Rectangular Concrete Tanks

Revised Fifth Edition

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1 Introduction

Conventionally reinforced (non-prestressed) concrete tanks have been used extensively in municipal and industrial facilities for several decades. The design of these structures requires that attention be given not only to strength requirements, but to serviceability requirements as well. A properly designed tank must be able to withstand the applied loads without cracks that could cause leakage. The goal of designing and constructing a structurally sound tank that will not leak is achieved by providing the proper amount and distribution of reinforcement, the proper spacing and detailing of construction joints, and the use of quality concrete, placed using proper construction practices.

A thorough review of the latest report by ACI Committee 350 entitled *Environmental Engineering Concrete Structures* [1]* is essential in understanding the design of tanks. The document recommends that, unless noted otherwise, the structural design should conform to *Building Code Requirements for Structural Concrete (ACI 318)* [2]. Therefore, a working knowledge of ACI 318 is also necessary.

This publication consists of five chapters and an appendix. The contents of these are as follows:

Chapter 1 - Introduction

Except for the notations and the definitions, the topics discussed in this chapter are, for the most part, items presented in ACI 350 that are not addressed in ACI 318:

- · Notations and Definitions
- Design Methods
- Durability
- · Minimum Reinforcement
- · Loading Conditions
- Crack Control
- Formwork Considerations
- Base Fixity
- · Buoyancy Forces
- · Earthquake Forces
- · Codes, Specifications and Standards
- References
- · Suggested Literature

Chapter 2 - Plate Analysis Results

This chapter gives the design coefficients for deflection (C_d) , shear (C_s) and moments (M_x, M_y, M_{xy}) for plates with different end conditions. Results are provided from finite element analyses of two-dimensional plates subject to out-of-plane loads using SAP90 [19]. Convergence analysis was made to ensure the quality of the results.

The slab was assumed to act as a thin plate, for which equations and/or the design coefficients are available in some of the references listed [6-10]. However, since only a limited number of cases are available in such literature, this text was prepared to cover a wider range of loading configurations, end-restraint conditions, and width/height ratios.

^{*}See the end of this chapter for cited references.

Coefficients for individual panels with fixed side edges apply without modification to continuous walls, provided there is no rotation about vertical edges. In a square tank, therefore, moment coefficients can be taken directly from the tables in Chapter 2. For a rectangular tank, adjustments must be made to account for redistribution of bending moments to adjacent walls. The design coefficients for rectangular tanks are given in Chapter 3.

Chapter 3 - Tank Analysis Results

This chapter gives the design coefficients for deflection (C_d) and moments (M_x, M_y, M_{xy}) and M_{yz} for tanks with different end conditions. The design coefficients are based on finite element analysis of tanks. The design coefficients (M_x, M_y, M_{xy}) presented in Chapter 2 for design of plates can also be used for tanks that have square plan dimensions. For rectangular tanks, the plate analysis results are not applicable since they do not account for moment distribution that will occur between the walls of different stiffnesses. An adjustment must be made similar to the modification of fixed-end moments in a frame analyzed by moment distribution. The shear coefficient (C_s) given in Chapter 2 for plates may be used for design of rectangular tanks.

If the moment distribution method is used, the common side-edge of adjacent panels is first considered artificially restrained, so that no rotation can take place about the edge. Fixed-edge moments taken from the results presented in Chapter 2 are usually dissimilar in adjacent panels, and the differences, which correspond to unbalanced moments, tend to rotate the edge. When the artificial restraint is removed, the unbalanced moments will induce additional moments in the panels. Adding the induced and fixed-end moments at the edge gives final moments, which must be identical on both sides of the common edge. Note, however, that moment distribution cannot be applied as easily to continuous tank walls as it can to framed structures, because bending moments must be distributed simultaneously along the entire length of the side edge so that moments become equal at both sides at any point of the edge. Moreover, tanks will develop in-plane axial compression or tension. Effects of the tension force, if significant, should be recognized. If significant compression forces are developed, the reduction in the effective stiffness of the member may also need to be considered.

Chapter 4 - Multicell Tanks

This chapter provides information on how to modify single-cell coefficients for use in multicell tank design. An appropriate method based on relative wall stiffnesses is given to compute the design moments in intersecting walls of multi-cell tanks.

Chapter 5 - Examples

A complete design for a wall and the roof slab of a rectangular tank is presented. Two examples that explain the determination of the bending moments for multicell tanks are also provided.

Appendix

A design aid that can be used for determining the required reinforcment for a rectangular concrete section subject to a given bending moment is located in the appendix.

Notations and Definitions

- a = height of plate or wall.
- $w = \text{unit weight of soil or water (for example, 1b/ft}^3).$
- q = k wa, pressure at bottom of plate/wall for triangular load distribution (for example, lb/ft²).
 - = k w for uniform pressure along height of plate/wall (for example, $1b/ft^2$).
- k = coefficient of active or passive pressure, whichever is applicable [3]. For water, active pressure coefficient $k_a = 1$, while for soil $k_a = (1 \sin\phi)/(1 + \sin\phi)$, where $\phi = \text{angle}$ of internal friction of soil [3].
- C_s = shear coefficient given in tables of Chapter 2 for computation of shear: Shear per unit width = $C_s q a$.

 C_d = deflection coefficient given in tables of Chapters 2 and 3 for computation of deflections. Deflection = $C_d q a^4/1000 D$, where $D = E_c t^3 / 12(1-\mu^2)$.

 E_c = modulus of elasticity of concrete ($E_c = w_c^{1.5} 33 \sqrt{f_c'}$ from ACI 318-95, where w_c is the unit weight of concrete and f_c' is the specified compressive strength of concrete, psi).

t = thickness of plate or wall.

 μ = Poisson's ratio, taken as 0.2 for concrete.

 (M_x, M_y, M_z, M_{xy}) and M_{yz} Coef. = moment coefficients given in tables of Chapters 2 and 3 for computation of moments M_x , M_y , M_z , M_{xy} and M_{yz} , respectively. Note that M_{xy} and M_{yz} coefficients are given in absolute values.

 M_x = moment per unit width about the x-axis stretching the fibers in the y-direction when the plate or wall is in the x-y plane (see Fig. 1-1). The moment is used to determine steel in the y (vertical) direction of the plate or wall (Fig. 1-1) and is given by:

$$M_x = M_x \operatorname{Coef.} \times q a^2/1000$$

 $M_y = moment$ per unit width about the y-axis stretching the fibers in the x-direction when the plate or wall is in the x-y plane, or in the z-direction when the plate is in the y-z plane (see Fig. 1-1). The moment is used to determine steel in the x or z (horizontal) direction of the plate or wall (Fig. 1-1) and is given by:

$$M_v = M_v \text{ Coef.} \times q a^2/1000$$

 M_z = moment per unit width about the z-axis stretching the fibers in the y-direction when the plate or wall is in the y-z plane (see Fig. 1-1). The moment is used to determine steel in the y (vertical) direction of the plate or wall (Fig. 1-1) and is given by:

$$M_z = M_z \text{ Coef.} \times q a^2/1000$$

 M_{xy} , M_{yz} = torsion or twisting moments for plate or wall in the x-y and y-z planes, respectively, given by:

$$M_{xy} = M_{xy} \operatorname{Coef.} \times q \, a^2/1000$$

$$M_{yz} = M_{yz} \operatorname{Coef.} \times q a^2/1000$$

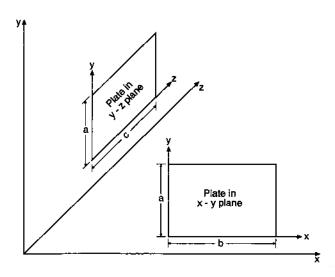


Figure 1-1 Coordinate System for Plates

The twisting moment such as M_{xy} may be used to add to the effects of orthogonal moments M_x and M_y for the purpose of determining the steel reinforcement when the plate is in the x-y plane. M_{yz} can be similarly used for the plate in the y-z plane. These moments should be considered for safe design wherever their effect is deemed to adversely affect the steel requirement. The Principle of Minimum Resistance [4] may be used for determining the equivalent orthogonal moments in this case.

The equivalent orthogonal moments M_{tx} and M_{ty} for a plate in x-y plane are computed as follows:

Where positive moments produce tension:

$$M_{tx} = M_x + \left| M_{xy} \right|$$

$$M_{xy} = M_y + \left| M_{xy} \right|$$

However, if either M_{tx} or M_{ty} is found to be negative, the negative value of the moment is changed to zero (no steel required) and the other moment is given as follows:

if
$$M_{tx} < 0$$
, then $M_{tx} = 0$ and $M_{ty} = M_y + \left| \frac{M_{xy}^2}{M_x} \right| > 0$

if
$$M_{ty} < 0$$
, then $M_{ty} = 0$ and $M_{tx} = M_x + \left| \frac{M_{xy}^2}{M_y} \right| > 0$

Where negative moments produce tension:

$$M_{xx} = M_{x} - \left| M_{xy} \right|$$

$$M_{ty} = M_{y} - |M_{xy}|$$

However, if either M_{tx} or M_{ty} is found to be positive, the positive value of the moment is changed to zero and the other moment is given as follows:

if
$$M_{tx} > 0$$
, then $M_{tx} = 0$ and $M_{ty} = M_y - \left| \frac{M_{xy}^2}{M_x} \right| < 0$

if
$$M_{ty} > 0$$
, then $M_{ty} = 0$ and $M_{tx} = M_x - \left| \frac{M_{xy}^2}{M_y} \right| < 0$

Design Methods

Two approaches currently exist for the design of reinforced concrete members: (1) Strength Design, and (2) Allowable Stress Design (referred to in *Building Code Requirements for Structural Concrete (ACI 318-95)* Appendix A, as the Alternate Design method).

The Strength Design method became the commonly adopted procedure for conventional buildings following the issuance of the 1963 edition of the ACI Building Code, and constitutes the basic procedure of design in the present ACI Building Code (ACI 318-95) with the Alternate Design method in an appendix (Appendix A). Until recently, the use of strength design for municipal and other facilities was considered inappropriate due to the lack of reliable assessment of crack widths at service loads. The advances in this area of knowledge in the last two decades has led to the acceptance of strength design for municipal liquid retaining structures. The latest ACI Committee 350 report recommends procedures for the use of both Allowable Stress Design and Strength Design for liquid retaining structures.

Service state analysis of reinforced concrete structures should include computations of crack widths and their long term effects on the structure in terms of its stability and functional performance. Current methods of reinforced concrete design lead to computations which are, at best, a modified form of elastic analysis of the composite reinforced steel/concrete system. Due to the well-known effects of creep, shrinkage, volume changes, and temperature, all analyses of this type, in terms of computed stresses, are indices of performance of the structure and should not be construed to have any more significance than that.

The following discussion describes the alterations in the design methods of ACI 318 provided by ACI 350.

Strength Design—The load combinations to determine the required strength, U, are given in Section 9.2 of ACI 318-95. ACI 350 requires the following two modifications to that section.

Modification 1—The load factor to be used for lateral liquid pressure, F, is 1.7 rather than 1.4. This value of 1.7 may be overconservative for some tanks, since they are filled to the top only during leak testing or because of accidental overflow. Since leak testing usually occurs only once and since most tanks are equipped with overflow pipes, some designers have considered using the load factor of 1.4 in an attempt to reduce the amount of required steel, which would result in less shrinkage restraint. However, this publication suggests that tank designs meet ACI 350 and, therefore, recommends the use of a load factor of 1.7 with F.

Modification 2—The members must be designed to meet the required strength, U, under ACI 318-95. ACI 350 requires that the value of U be increased by using a multiplier called the sanitary coefficient. The sanitary coefficient will increase the design loads to provide a more conservative design with less cracking. The increased required strength is given by:

Required strength = Sanitary coefficient $\times U$

where the sanitary coefficient equals:

- 1.3 for flexure
- 1.65 for direct tension
- 1.3 for shear beyond that of the capacity provided by the concrete

These sanitary exposure coefficients, together with an increase in the conventional load factor for fluids from 1.4 to 1.7, increase all load factors from ACI 318 a total of 30% for flexural reinforcement, 65% for direct tension reinforcement (such as ring tension), and 30% for stirrup or diagonal tension requirements. The strength equations are given as follows:

1. Flexural Reinforcement

Req'd strength
$$\ge 1.3 \ U$$

 $\phi M_n \ge 1.3 \ (1.4 M_D + 1.7 M_L + 1.7 M_F)$

2. Direct Tension Reinforcement

Req'd Strength
$$\geq 1.65 U$$

 $\geq 1.65 (1.4 T_D + 1.7 T_L + 1.7 T_F)$

3. Stirrup Reinforcement

$$\phi V_s \ge 1.3(V_\mu - \phi V_c)$$

4. Concrete Shear and Compression

Req'd Strength
$$> 1.0 U$$

No increase is required in load factors for concrete shear, bond, or compression strength, so that proportioning member depths or thickness will be unchanged. For flexure, the proposed increase in load factors results in a maximum load factor of 1.3 times 1.7 = 2.21 for normal live and water and earth load and a minimum load factor of 1.3 times 1.4 = 1.82 for all dead load. In conjunction with ϕ -factors prescribed in ACI 318, these new load factors result in flexural service load stresses in the reinforcement between 24 and 29 ksi, consistent with allowable stresses for working stress design in the current report by ACI Committee 350. The same limits on bar spacing apply equally well with use of strength design (see ACI 350).

Durability

Durability, which is a concern for practically every type of structure, is of vital importance where environmental structures are concerned. Leakage from a tank can cause a multitude of problems. Loss of a valuable material from leakage will result in direct economic loss. Also, if the stored material is a waste product, in particular hazardous waste, costly cleanup may be required.

ACI 350 lists the effects that need to be adequately resisted to satisfy durability requirements. The concrete must be able to withstand the following:

- · Alternate wetting and drying
- Freezing and thawing cycles
- · Chemical action
- · Exposure to the elements

Durability requirements can be satisfied by providing a properly placed, dense concrete that meets limits on water-cementitious materials ratios placed by the applicable codes and specifications.

The designer needs to consider more than just the concrete walls and must appropriately address the details of the entire structure. The joints between adjacent pours must have properly functioning water stops to prevent leakage. These water stops must also be immune to chemical attack from the stored liquid. Any architectural finishes must be taken into account, so as not to jeopardize the durability of the tank. For instance, tanks that have brick veneer must allow for moisture between the brick and the concrete tank wall to escape, as trapped moisture could lead to premature deterioration of the tank wall. Therefore, before any such finishes are used, the possible detrimental effects must be carefully considered and proper precautions taken.

Conditions may arise where the tank walls or water stops are unable to withstand the chemical attack of the liquid being contained. When such conditions exist, the designer needs to make use of a liner to protect the tank walls. In addition to protecting the tank walls, liners can also sometimes make it possible to relax crack control requirements, since leakage through cracks may cease to be an issue.

Minimum Reinforcement

The amount, size, and spacing of reinforcing bars has a great effect on the extent of cracking. The reinforcement provided must be sufficient for strength and serviceability, including consideration of temperature and shrinkage effects. The amount of temperature and shrinkage reinforcement is dependent on the length between construction joints and the yield stress of the reinforcement, as shown in Fig. 1-2. Figure 1-2 is based on the assumption that the wall segment is allowed complete shrinkage movement without being restrained at the ends by adjacent

sections. The designer should provide proper details to ensure that the joints which are likely to crack are properly leak-proofed. According to ACI 350, concrete sections that are 24 in. or thicker can have the minimum temperature and shrinkage reinforcement at each face, based on a 12 in. thickness. The reinforcement should be spaced not greater than 12 in. on center, divided equally between the two surfaces of concrete sections. The reinforcement near the bottom of base slabs in contact with soil may be reduced to 50 percent of the value given in Fig. 1-2.

The size of reinforcing bars should be chosen with the realization that cracking can be better controlled by using a larger number of small diameter bars rather than fewer larger diameter bars. The size of reinforcing bars, according to ACI 350, should not, preferably, exceed No. 11. Spacing of reinforcing bars should be limited to a maximum of 12 in., and the minimum concrete cover for reinforcement in the tank wall should be at least 2 in.

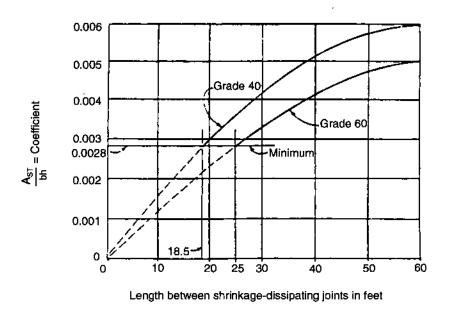


Figure 1-2 Ratio of Shrinkage and Temperature Reinforcement for Concrete Made with ASTM C150 and C595 Concrete (ACI 350 R-89)

Loading Conditions

A tank must be designed to withstand the loads that it will be subjected to during many years of use. But it is equally important to consider loads during construction. An example of some of the loading conditions that must be considered for a partially buried tank is shown in Fig. 1-3. The tank must be designed and detailed to withstand the forces from each of these loading conditions. The tank may also be subjected to uplift forces from hydrostatic pressure on the bottom of the slab when the tank is empty, as discussed in the "Buoyancy Forces" section of this chapter. Therefore, it is important for the design engineer to determine all possible loading conditions on the structure. According to ACI 350, the proper design of a tank will include the full effects of the soil loads and water pressure without taking into account loads acting in directions that minimize the effects of each other.

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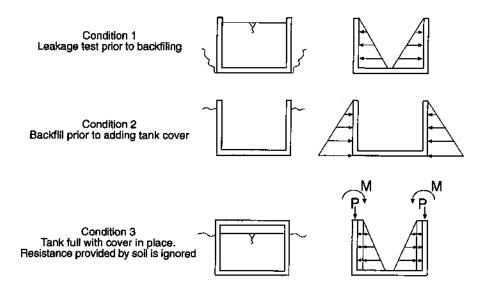


Figure 1-3 Possible Loading Conditions for a Tank

Crack Control

Crack widths must be minimized in tank walls to prevent leakage and corrosion of reinforcement. A criterion for flexural crack width is provided in ACI 318-95 (Section 10.6.4). This limitation is as follows:

$$z = f_s \sqrt[3]{d_c A}$$

where

z =quantity limiting distribution of flexural reinforcement.

 f_s = calculated stress in reinforcement at service loads, ksi.

 d_c = thickness of concrete cover measured from extreme tension fiber to center of bar located closest thereto, in.

A = effective tension area of concrete surrounding the flexural tension reinforcement having the same centroid as that reinforcement, divided by the number of bars, sq in.

The determination of d_c and A are shown in Fig. 1-4 for a single layer of reinforcement $(A = 2d_c b_w)$. In ACI 350, the cover is taken equal to 2.0 in. for any cover greater than 2.0 in. Rearranging the above equation, and solving for the maximum bar spacing (b_w) for a given value of z, with f_s being the stress in the bars, gives

max. spacing
$$(b_w) = \frac{z^3}{2 \times d_c^2 \times f_s^3}$$

ACI 318-95 does not allow z to exceed 175 kips/in. for interior exposure and 145 kips/in. for exterior exposure. These values of z correspond to crack widths of 0.016 in. and 0.013 in., respectively. ACI 350 has stricter requirements than ACI 318, since cracking is typically of greater consequence in liquid-retaining structures. The limiting value of z specified in ACI 350 is 115 kips/in. (crack width of 0.010 in.). For severe environmental exposures, the quantity z should not exceed 95 kips/in. (crack width of 0.008 in.).

Joints in the tank walls will allow dissipation of temperature and shrinkage stresses, thereby reducing cracking. As discussed previously, the amount of temperature and shrinkage reinforcement is a function of the distance between shrinkage-dissipating joints. Therefore, it is prudent to limit the size of concrete placement. Maximum length of wall placed at one time should usually not exceed 60 ft, with 30 ft to 50 ft being more common.

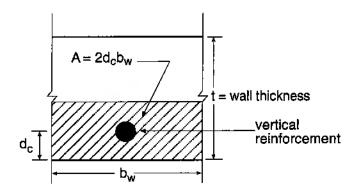


Figure 1-4 Effective Tension Area of Concrete for Calculation of z

Formwork Considerations

Formwork for tank structures is subject to the same considerations as that for other structures, such as proper bracing to maintain position and shape, time of removal, etc. However, there are additional considerations for formwork for tanks.

A tank must be a watertight structure. Proper design and detailing may not be enough to reach this goal. Construction procedures are equally important. One consideration, for example, is that form ties shall have no metal or other material within 1 1/2 inches from the formed surface. After the forms are removed, the void left from the form ties shall be cone shaped, at least 1 inch in diameter and 1 1/2 inches deep, to allow proper patching. Another consideration is that the individual sections of a tank wall shall be placed continuously to produce a monolithic unit, with a waiting period of 48 hours before casting the adjacent wall. There shall be integral water stops at each joint.

Base Fixity

The restraint condition of the wall at the base is needed to determine the deflection, shears and bending moments for a given loading condition. Base restraint conditions considered in this publication include both hinged and fixed edges. However, in reality, neither of these two extremes may actually exist. It is important that the designer have an understanding of the degree of restraint provided by the reinforcing that extends into the footing from the tank wall. If the designer is unsure of the fixity conditions, both extremes should be investigated.

Buoyancy Forces

Water pressure on the underside of the tank can possibly cause the tank to literally float. This situation may result in cracking of the tank walls and the base slab. It may also cause damage to piping attached to the structure.

The lifting force of the water pressure is resisted by the weight of the tank and the weight of soil on top of the base slab overhang. As the force of the water pressure tries to lift the tank, it will engage some of the soil adjacent to the tank. The angle of the soil engaged (see Fig. 1-5) is a function of the type of soil.

If the buoyancy force times an appropriate safety factor is in excess of the resisting force, pressure relief valves should be utilized to prevent the buildup of pressures. Even if uplift forces are small, it still may be prudent to place the pressure relief valves in the base slab.

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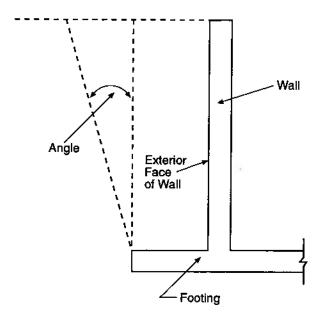


Figure 1-5 Angle of Soil Engagement Due to Uplift

Earthquake Forces

Earthquakes can induce large horizontal and overturning forces in tanks. The tanks should be properly designed and detailed for such forces. Concrete tanks, being typically rigid, are primarily designed to resist the forces due to the hydrodynamic mass of the contained fluid. The deformability of the wall and the interaction of the wall and the fluid are not, typically, considered in design. However, wall deformability may be considered where it is likely to effect the tank design. Reference [14] may be used for this purpose.

Hydrodynamic pressures include both impulsive and convective components. Impulsive pressures are developed by accelerations of the tank walls against the mass of the contained liquid. The fluid acts as a mass rigidly attached to the container walls. Convective pressures are produced by oscillations or sloshing of the upper portion of the liquid within the tank. The sloshing fluid acts as if it were an oscillating mass flexibly connected to the walls.

ACI Committee 350/350R is currently in the process of developing comprehensive seismic design and detailing standards for liquid-containing structures. The recommendations of the committee are expected to be out by the year 2000. Several references [12-18] are currently available which can be utilized for the seismic design of tanks. The most widely used method for computation of seismic forces on tanks is the one developed by Housner [13,15]. The engineer may use this method along with relevant seismic design and detailing provisions of the applicable codes in the region for the seismic design of tanks.

Earthquakes are also likely to produce external earth pressure on the walls of partially or fully buried tanks which should be taken into consideration. However, in case of buried vaults it has been found [17] that seismic pressures do not control design unless the peak ground acceleration exceeds a value of about 0.3g, where g is the acceleration due to gravity. This would indicate that forces due to seismically induced earth pressure on buried tanks should not be of major concern in low to moderate seismic zones.

Both the reinforcement detailing and the detailing of the joints are critical for ensuring seismic safety and serviceability of tanks. Serviceability consideration is of particular importance in liquid retaining structures in the aftermath of an earthquake [16]. The detailing of joints at the base of the tank requires special attention when movement is allowed in the joint. In case of monolithic joint between the wall and the base slab and between wall and the roof, adequate and proper reinforcement details are necessary to prevent excessive distress at these

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locations due to the anticipated stress concentration. Special detailing for joints in case of prestressed concrete circular tanks is given in [11]. Similar detailing would be necessary for nonprestressed rectangular tanks.

Codes, Specifications and Standards

Sizable construction projects are performed using comprehensive sets of detailed drawings in conjunction with specifications. The parts of the specifications regarding construction are compiled by experienced specifiers. However, the specifications alone do not list every requirement. Instead, the project specifications refer to codes, standards and guide specifications of the American Concrete Institute and the American Society of Testing Materials, to name a few. These requirements are strictly adhered to during construction, and it is worthwhile for the reader to review them. The most commonly referenced codes, specifications and standards can be divided into five groups, presented here in Tables 1-1 through 1-5.

Table 1-1 General Requirements		
ACI 301	Specifications for Structural Concrete for Buildings	
ACI 302	Guide for Concrete Floor and Slab Construction	
ACI 318	Building Code Requirements for Reinforced Concrete	
ACI 350	Environmental Engineering Structures	

Table 1-2 Field Testing Guides and Standards			
ACI 214	Recommended Practice for Evaluation of Strength Test Results of Concrete		
ASTM C31	Standard Practice for Making and Curing Test Specimens in the Field		
ASTM C39	Standard Test Method for Compressive Strength of Cylindrical Concrete Specimens		
ASTM C143	Standard Test Method for Slump of Portland Cement Concrete		
ASTM C173	Standard Test Method for Air Content of Freshly Mixed Concrete by the Volumetric Method		
ASTM C231	Standard Test Method for Air Content of Freshly Mixed Concrete by the Pressure Method		

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	Table 1-3 Concrete, Cement and Related Material Guides and Standards
ACI 201	Guide to Durable Concrete
ACI 211	Standard Practice for Selecting Proportions for Normal, Heavyweight and Mass Concrete
ACI 212	Guide for Use of Admixtures in Concrete
ACI 221	Guide for Use of Normal Weight Aggregate in Concrete
ACI 304	Guide for Measuring, Mixing, Transporting and Placing Concrete
ASTM C33	Standard Specifications for Concrete Aggregates
ASTM C94	Standard Specifications for Ready-Mixed Concrete
ASTM C150	Standard Specifications for Portland Cement
ASTM C260	Standard Specifications for Air-Entraining Admixtures for Concrete
ASTM C309	Standard Specifications for Liquid Membrane-Forming Compounds for Curing Concrete
ASTM C494	Standard Specifications for Chemical Admixtures for Concrete
ASTM C618	Standard Specification for Fly Ash and Raw or Calcined Natural Pozzolan for Use as a Mineral Admixture in Portland Cement Concrete

	Table 1-4 Reinforcing Steel Standards
ASTM A615	Standard Specification for Deformed and Plain Billet-Steel Bars for Concrete Reinforcement
ASTM A616	Standard Specification for Rail-Steel Deformed and Plain Bars for Concrete Reinforcement
ASTM A617	Standard Specification for Axle-Steel Deformed and Plain Bars for Concrete Reinforcement
ASTM A706	Standard Specification for Low-Alloy Steel Deformed Bar for Concrete Reinforcement
ASTM A767	Standard Specification for Galvanized Steel Bars for Concrete Reinforcement
ASTM A775	Standard Specification for Epoxy-Coated Reinforcing Steel Bars

	Table 1-5 Concrete Placement Guides	
ACI 305	Hot Weather Concreting	
ACI 306	Cold Weather Concreting	
ACI 308	Standard Practice for Curing Concrete	
ACI 309	Guide for Consolidtion of Concrete	

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1

Introduction

Conventionally reinforced (non-prestressed) concrete tanks have been used extensively in municipal and industrial facilities for several decades. The design of these structures requires that attention be given not only to strength requirements, but to serviceability requirements as well. A properly designed tank must be able to withstand the applied loads without cracks that could cause leakage. The goal of designing and constructing a structurally sound tank that will not leak is achieved by providing the proper amount and distribution of reinforcement, the proper spacing and detailing of construction joints, and the use of quality concrete, placed using proper construction practices.

A thorough review of the latest report by ACI Committee 350 entitled *Environmental Engineering Concrete Structures* [1]* is essential in understanding the design of tanks. The document recommends that, unless noted otherwise, the structural design should conform to *Building Code Requirements for Structural Concrete (ACI 318)* [2]. Therefore, a working knowledge of ACI 318 is also necessary.

This publication consists of five chapters and an appendix. The contents of these are as follows:

Chapter 1 - Introduction

Except for the notations and the definitions, the topics discussed in this chapter are, for the most part, items presented in ACI 350 that are not addressed in ACI 318:

- Notations and Definitions
- Design Methods
- Durability
- Minimum Reinforcement
- · Loading Conditions
- · Crack Control
- Formwork Considerations
- Base Fixity
- Buoyancy Forces
- · Earthquake Forces
- Codes, Specifications and Standards
- References
- · Suggested Literature

Chapter 2 - Plate Analysis Results

This chapter gives the design coefficients for deflection (C_d) , shear (C_s) and moments (M_x, M_y, M_{xy}) for plates with different end conditions. Results are provided from finite element analyses of two-dimensional plates subject to out-of-plane loads using SAP90 [19]. Convergence analysis was made to ensure the quality of the results.

The slab was assumed to act as a thin plate, for which equations and/or the design coefficients are available in some of the references listed [6-10]. However, since only a limited number of cases are available in such literature, this text was prepared to cover a wider range of loading configurations, end-restraint conditions, and width/height ratios.

^{*}See the end of this chapter for cited references.

Coefficients for individual panels with fixed side edges apply without modification to continuous walls, provided there is no rotation about vertical edges. In a square tank, therefore, moment coefficients can be taken directly from the tables in Chapter 2. For a rectangular tank, adjustments must be made to account for redistribution of bending moments to adjacent walls. The design coefficients for rectangular tanks are given in Chapter 3.

Chapter 3 - Tank Analysis Results

This chapter gives the design coefficients for deflection (C_d) and moments (M_x, M_y, M_{xy}) and M_{yz} for tanks with different end conditions. The design coefficients are based on finite element analysis of tanks. The design coefficients (M_x, M_y, M_{xy}) presented in Chapter 2 for design of plates can also be used for tanks that have square plan dimensions. For rectangular tanks, the plate analysis results are not applicable since they do not account for moment distribution that will occur between the walls of different stiffnesses. An adjustment must be made similar to the modification of fixed-end moments in a frame analyzed by moment distribution. The shear coefficient (C_s) given in Chapter 2 for plates may be used for design of rectangular tanks.

If the moment distribution method is used, the common side-edge of adjacent panels is first considered artificially restrained, so that no rotation can take place about the edge. Fixed-edge moments taken from the results presented in Chapter 2 are usually dissimilar in adjacent panels, and the differences, which correspond to unbalanced moments, tend to rotate the edge. When the artificial restraint is removed, the unbalanced moments will induce additional moments in the panels. Adding the induced and fixed-end moments at the edge gives final moments, which must be identical on both sides of the common edge. Note, however, that moment distribution cannot be applied as easily to continuous tank walls as it can to framed structures, because bending moments must be distributed simultaneously along the entire length of the side edge so that moments become equal at both sides at any point of the edge. Moreover, tanks will develop in-plane axial compression or tension. Effects of the tension force, if significant, should be recognized. If significant compression forces are developed, the reduction in the effective stiffness of the member may also need to be considered.

Chapter 4 - Multicell Tanks

This chapter provides information on how to modify single-cell coefficients for use in multicell tank design. An appropriate method based on relative wall stiffnesses is given to compute the design moments in intersecting walls of multi-cell tanks.

Chapter 5 - Examples

A complete design for a wall and the roof slab of a rectangular tank is presented. Two examples that explain the determination of the bending moments for multicell tanks are also provided.

Appendix

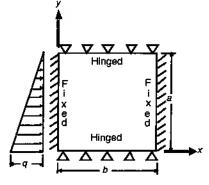
A design aid that can be used for determining the required reinforcment for a rectangular concrete section subject to a given bending moment is located in the appendix.

Notations and Definitions

- a = height of plate or wall.
- $w = \text{unit weight of soil or water (for example, lb/ft}^3).$
- q = k wa, pressure at bottom of plate/wall for triangular load distribution (for example, $1b/ft^2$).
 - = k w for uniform pressure along height of plate/wall (for example, $1b/ft^2$).
- k = coefficient of active or passive pressure, whichever is applicable [3]. For water, active pressure coefficient $k_a = 1$, while for soil $k_a = (1 \sin\phi)/(1 + \sin\phi)$, where $\phi = \text{angle}$ of internal friction of soil [3].
- C_s = shear coefficient given in tables of Chapter 2 for computation of shear: Shear per unit width = $C_s q a$.

2 Plate Analysis Results

CASE 1

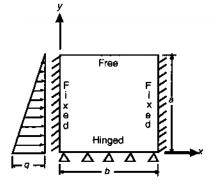


Shears & Deflections on page 2-5

Moments

D/a	page
4.0	2-6
3.0	2-6
2.5	2-7
2.0	2-7
1.75	2-8
1.50	2-8
1.25	2-9
1.0	2-9
0.75	2-10
0.5	2-10

CASE 2

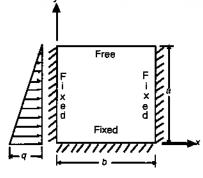


Shears & Deflections on page 2-11

Moments

b/a	page
4.0	2-12
3.0	2-12
2.5	2-13
2.0	2-13
1.75	2-14
1.50	2-14
1.25	2-15
1.0	2-15
0.75	2-16
0.5	2-16

CASE 3

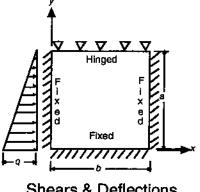


Shears & Deflections on page 2-17

Moments

b/a	page
4.0	
3.0	2-18
2.5	2-19
2.0	2-19
1.75	2-20
1.50	2-20
1.25	2-21
1.0	2-21
0.75	2-22
0.5	2-22



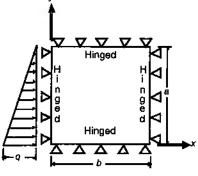


Shears & Deflections
on page 2-23

Moments

b/a	page
4.0	
0.5	2-28

CASE 5

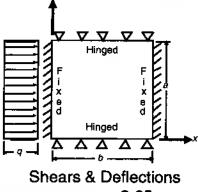


Shears & Deflections on page 2-29

Moments

D/a	page
4.0	2-30
3.0	2-30
2.5	2-31
2.0	2-31
1.75	2-32
1.50	2-32
1.25	2-33
1.0	2-33
0.75	2-34
0.5	2-34

CASE 6



•-	-	7
Shears	& De	flections
on	page	2-35

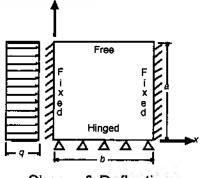
Moments

page

b/a

4.0	2-36
3.0	2-36
2.5	2-37
2.0	2-37
1.75	2-38
1.50	2-38
1.25	2-39
1.0	2-39
0.75	2-40
0.5	2-40

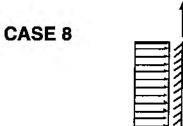
CASE 7

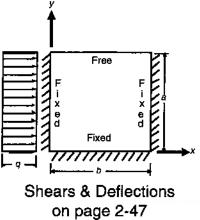


Shears & Deflections on page 2-41

Moments

_b/a	page
4.0	2-42
3.0	
2.5	2-43
2.0	2-43
1.75	2-44
1.50	2-44
1.25	
1.0	
0.75	2-46
0.5	2-46

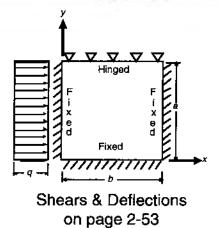




b/a	page
4.0	2-48 2-49 2-49 2-50 2-50 2-51 2-51 2-52 2-52
v.ə	

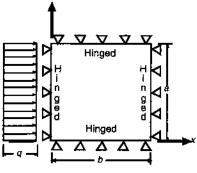
Moments

CASE 9



Moments		
b/a	page	
4.0	2-54	
3.0		
2.5	2-55	
2.0	2-55	
1.75	2-56	
1.50	= 00	
1.25	= 07	
1.0	=	
0.75		
0.5	2-58	

CASE 10



Shears & Deflections
on page 2-59

Moments

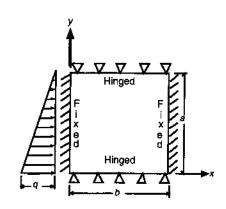
b/a	page
4.0	2-60
3.0	2-60
2.5	2-61
2.0	2-61
1.75	2-62
1.50	2-62
1.25	2-63
1.0	2-63
0.75	2-64
0.5	2-64

to.			

CASE 1

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{1000 D}$



Shear Coefficients, C_s

LOCATION b/s	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.33	0.33	0.32	0.30	0.28	0.26	0.23	0.20	0.16	0.11
Side edge — maximum	0.41	0.41	0.41	0.40	0.39	0.38	0.35	0.32	0.26	0.20
Side edge — midpoint	0.37	0.37	0.37	0.36	0.35	0.33	0.30	0.26	0.20	0.13
Top edge — midpoint	0.17	0.16	0.15	0.13	0.12	0.10	0.07	0.05	0.03	0.01

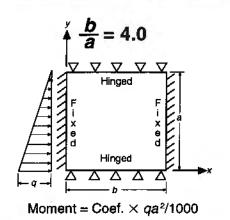
Deflection Coefficients, C_{σ}

Along Midheight (y = a/2)

X END		X END 0.1b 0.2b		0.3b	0.4b	0.5b	
b/a	0.9b	0.8b	0.7b	0.6b			
4.0	0	2.60	6.20	8.70	10.10	10.50	
3.0	0	1.60	4.20	6.40	7.70	8.10	
2.5	0	1.10	3.10	4.80	6.00	6.30	
2.0	0	0.70	2.00	3.20	4.00	4.30	
1.75	0	0.50	1.50	2.40	3.00	3.20	
1.5	0	0.40	1.00	1.70	2.10	2.30	
1.25	0	0.20	0.60	1.10	1.40	1.50	
1.0	0	0.10	0.30	0.60	0.70	0.80	
0.75	0	0.00	0.10	0.20	0.30	0.30	
0.5	0	0.00	0.00	0.00	0.00	0.00	

Along Midspan (x = b/2)

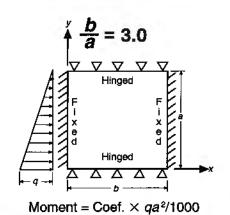
b/a	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	0	2.10	4.00	5.30	6.10	6.30	5.90	5.00	3.60	1.90	(
3.0	0	2.00	3.70	4.90	5.70	5.80	5.40	4.60	3.30	1.70	0
2.5	0	1.80	3.30	4.50	5.10	5.20	4.90	4.10	2.90	1.50	C
2.0	0	1.50	2.70	3.60	4.10	4.20	3.90	3.30	2.30	1.20	C
1.75	0	1.20	2.30	3.00	3.40	3.50	3.20	2.70	1.90	1.00	C
1.5	0	1.00	1.80	2.40	2.60	2.70	2.40	2.00	1.40	0.70	
1.25	0	0.70	1.20	1.60	1.80	1.80	1.60	1.30	0.90	0.50	
1.0	0	0.40	0.70	0.90	1.00	1.00	0.80	0.70	0.50	0.20	0
0.75	0	0.20	0.30	0.40	0.40	0.40	0.30	0.20	0.20	0.10	0
0.5	0	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	C



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b	
,		0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0	
0.9a	-16	2	5	4	4	4	
0.8a	-32	4	9	8	7	7	
0.7a	-45	6	12	11	10	10	
0.6a	-56	7	15	14	12	12	
0.5a	-62	9	17	15	14	13	
0.4a	-64	10	17	15	14	14	
0.3a	-59	10	15	14	13	13	
0.2a	-48	8	12	11	10	10	
0.1a	-28	5	7	7	6	6	
BOT.	0	0	0	0	0	0	

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-3	5	11	15	16	16
0.8a	-6	10	22	28	31	31
0.7a	-9	15	32	40	44	44
0.6a	-11	19	40	50	54	55
0.5a	-12	22	46	56	60	61
0.4a	-13	24	48	58	62	63
0.3a	-12	25	46	54	58	58
0.2a	-10	22	38	44	47	47
0.1a	-6	15	23	27	28	28
BOT.	0	0	0	0	0	0

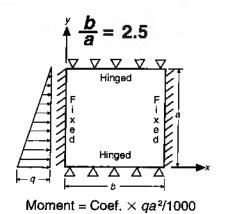
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
xy		0.9b	0.8b	0.7b	0.6b	
TOP	0	17	10	4	2	0
0.9a	0	17	10	4	1	0
0.8a	0	15	9.	4	1	0
0.7a	0	11	6	3	1	0
0.6a	0	7	4	1	0	0
0.5a	0	2	Ö	0	0	0
0.4a	0	4	3	- 1	0	0
0.3a	0	10	6	3	1	0
0.2a	0	15	9	4	1	0
0.1a	0	19	10	4	1	0
BOT.	0	20	11	4	2	0



My	END	0.1b	0.2b	0.3b	0.4b	0.5b
у		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-16	0	4	5	4	4
0.8a	-32	0	8	9	8	8
0.7a	-45	0	11	13	12	11
0.6a	-56	0	14	15	14	14
0.5a	-62	1	16	17	16	15
0.4a	-64	2	16	17	16	16
0.3a	-59	3	15	16	15	14
0.2a	-48	4	12	12	12	11
0.1a	-28	3	7	7	7	7
вот.	0	0	0	0	0	0

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
•		0.9b	0.8b	0.7b	0.6b	100
TOP	0	0	0	0	0	0
0.9a	-3	3	9	12	14	15
0.8a	-6	6	17	24	28	29
0.7a	-9	9	25	35	39	41
0.6a	-11	11	31	43	49	51
0.5a	-12	14	36	49	55	57
0.4a	-13	16	38	51	57	59
0.3a	-12	17	37	48	53	55
0.2a	-10	15	32	40	44	45
0.1a	-6	11	20	24	26	27
BOT.	0	0	0	0	0	0

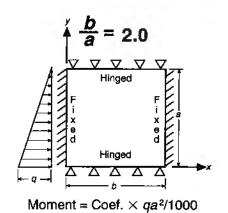
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b	
		0.9b	0.8b	0.7b	0.6b		
TOP	0	17	14	8	3	0	
0.9a	0	17	14	8	3	0	
0.8a	0	15	12	7	3	0	
0.7a	0	12	9	5	2	0	
0.6a	0	7	5	3	1	0	
0.5a	0	2	1	0	0	0	
0.4a	0	4	4	2	1	Ō	
0.3a	0	10	8	5	2	0	
0.2a	0	15	12	7	3	0	
0.1a	0	20	14	8	3	0	
BOT.	0	21	15	8	4	0	



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
	- 0	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-16	-2	3	- 5	5	5
0.8a	-32	-3	7	9	9	9
0.7a	-45	-4	10	13	13	13
0.6a	-55	-4	12	16	16	16
0.5a	-62	-4	14	18	18	17
0.4a	-63	-3	14	18	18	17
0.3a	-59	-1	13	16	16	16
0.2a	-48	0	11	13	13	13
0.1a	-28	1	6	7	7	7
BOT.	0	0	0	0	0	0

M _x	END.	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-3	2	7	10!	12!	13
0.8a	-6	4	13	20	24	26
0.7a	-9	6	20	29	35	37
0.6a	-11	7	25	37	441	46
0.5a	-12	9	29	42	49	52
0.4a	-13	11	31	45	51	54
0.3a	-12	12	31	43	491	51
0.2a	-10	12	27	36	40	42
0.1a	-6	9	17	22	24	25.
ВОТ.	0,	0	0	0	0	0

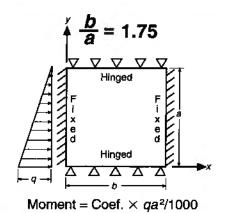
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	16	15	10	5	0
0.9a	0	16	15	10	5	
0.8a	Ö	14	13	8	4.	0
0.7a	0	11	10	6	3	<u>0</u>
0. 6 a	0	7	6	4	2	ō
0.5a	0	2	1	0	0	0
0.4a	0	3	4	3	11	0
0.3a	0	9	9	6	3	. 0
0.2a	0	15	13	8	4	- 0
0.1a	0	19	16	10	5	0
BOT.	0	21	17	11	5	0



M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
,		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	Ö	0	0
0.9a	-16	-3	2	5	5	5
0.8a	-30	-6	5	9	10	11
0.7a	-43	-9	7	13	14	15
0.6a	-53	-10	9	16	18	18
0.5a	-60	-10	10	17	19	20
0.4a	-61	-9	11	18	19	20
0.3a	-57	-7	11	16	18	18
0.2a	-46	-4	9	13	14	14
0.1a	-28	-1	. 5	7	8	8
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-3	1	5	8	10	10
0.8a	-6	2	9	15	19	20
0.7a	-9	2	14	22	28	29
0.6a	-11	3	18	28	35	37
0.5a	-12	5	21	33	40	42.
0.4a	-12	6	23	35	42	45
0.3a	-11	7	24	35	41	43
0.2a	-9	8	21	30	34	36
0.1a	-6	6	14	19	21	22
BOT.	0	0	0	0	0	0

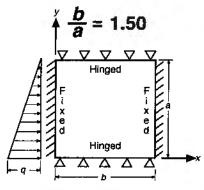
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
···xy		0.9b	0.8b	0.7b	0.6b	
TOP	0	14	15	11	6	0
0.9a	0	14	15	11	6	0
0.8a	0	12	13	9	5	0
0.7a	0	10	10	7	4	0
0.6a	0	7	6	4	2	- 0
0.5a	0	2	1	1	0	0
0.4a	0	3	4	3	2	0
0.3a	0	8	9	7	3	0
0.2a	0	13	14	10	5	0
0.1a	0	17	17	12	6	0
BOT.	0	19	18	12	6	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
···y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-15	-4	2	4	5	6
0.8a	-29	-8	3	8	10	-11
0.7a	-41	-10	5	12	15	15
0.6a	-51	-12	7	15	18	19
0.5a	-57	-13	8	17	20	20
0.4a	-59	-12	9	17	20	21
0.3a	-55	-9	9	16	18	19
0.2a	-45	-6	8	12	14	15
0.1a	-27	-2	5	7	8	8
BOT.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-3	0	3	6	8	8
0.8a	-6	0	7	12	15	17
0.7a	-8	1	10	18	23	24
0.6a	-10	2	13	23	29	31
0.5a	-11	2	16	27	33	36
0.4a	-12	4	18	30	36	38
0.3a	-11	5	19	30	35	37
0.2a	-9	6	18	26	30	32
0.1a	-5	5	12	17	19	20
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
•••ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	13	14	11	6	0
0.9a	0	12	14	11	6	0
0.8a	0	11	12	9	5	0
0.7a	0	9	10	7	4	0
0.6a	0	6	6	4	2	0
0.5a	0	2	2	1	0	0
0.4a	0	2	3	3	2	0
0.3a	0	7	8	7	3	0
0.2a	0.	12	13	10	5	0
0.1a	0	16	16	12	6	0
BOT.	0	18	18	13	6	0

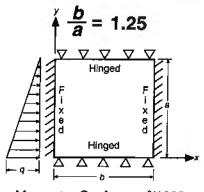


Mamont	Coof		ma 21	4000
Moment =	Coer.	х	OH-7	IUUU

M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-13	-4	1	4	5	6
0.8a	-26	-8	2	8	10	11
0.7a	-37	-12	3	11	14	15
0.6a	-46	-14	4	13	17	19
0.5a	-52	-15	5	15	19	21
0.4a	-54	-14	6	16	20	21
0.3a	-51	-11	7	15	18	19
0.2a	-42	-8	6	12	14	15
0.1a	-25	-3	4	7	8	8
ВОТ.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-3	0	2	4	6	6
0.8a	-5	0	5	9	- 11	12
0.7a	-7	0	7	13	17	18
0.6a	-9	0	9	17	22	23
0.5a	-10	1	12	20	26	28
0.4a	-11	1	13	23	29	30
0.3a	-10	3	15	24	29	31
0.2a	-8	4	14	21	25	27
0.1a	-5	4	10	14	17	17
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ду		0.9b	0.8b	0.7b	0.6b	
TOP	0	10	12	10	5	0
0.9a	0	10	12	10	5	0
0.8a	0	9	11	9	5	0
0.7a	Ö	7	9	7	4	0
0.6a	0	5	6	4	2	0
0.5a	0	2	2	1	0	0
0.4a	0	1	2	2	1	0
0.3a	0	5	7	6	3	0
0.2a	0	10	12	9	5	0
0.1a	0	14	15	11	6	0
вот.	0	16	16	12	6	0

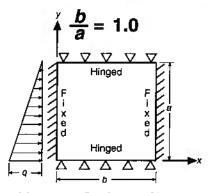


Moment = Coef.	×	qa2/1000
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	M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	
ı	TOP	0	0	0	0	0	0
	0.9a	-11	-4	0	3	5	5
	0.8a	-22	-8	1	6	9	10
Į	0.7a	-32	-11	1	9	13	14
1	0.6a	-40	-14	2	11	16	17
	0.5a	-45	-15	3	13	18	19
ı	0.4a	-47	-15	4	14	18	19
ı	0.3a	-45 ¦	-13	4	13	17	18
	0.2a	-38	-9	4	11	13	14
	0.1a	-23	-4	3	6	8	8
	BOT.	0	0	0	0	0	0
-							

	_					
Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	-1	1	3	3	4
0.8a	-4	-1	2	5	7	8
0.7a	-6	-1	4	8	11	12
0.6a	-8	-1	- 5	11	14	15
0.5a	-9	-1]	7	13	18	19
0.4a	-9	0	9	16	20	22
0.3a	-9	1	10	17	21	23
0.2a	-8	2	10	16	20	21
0.1a	-5	2	8	11	14	14
BOT.	0	0	0	0	0	0

M_{xy}	END	0.1b	0.2b	0.3Ь	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	8	9	8	4	0
0.9a	0	7	9	8	4	0
0.8a	0	7	8	7	4	Ō
0.7a	0	6	7	6	3	0
0.6a		4	5	4	2	0
0.5a	0	2	2	1	1	0
0.4a	0	1	1	2	1	0
0.3a	0	4	5	5	3	0
0.2a	0	7	9	8	4	0
0.1a	0	11	12	10	5	0
BOT.	0	13	14	11	6	0

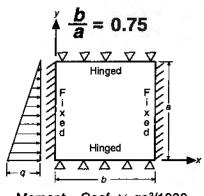


Moment = Coef. $\times qa^2/1000$

	M_{ν}	END.	0.1b	0.2b	0.3b	0.4b	0.5b
	iviy	f I	0.9b	0.8b	0.7b	0.6b	
ı	TOP	0	0	0	0	0	0
ı	0.9a	-8	-3	0	2	3	-4
ı	0.8a	-16	-7	ō	4	7	8
ı	0.7a	-24	-10	0	6	10	11
I	0.6a	-30 ;	-12	0	8	13	14
1	0.5a	-35	-13	1	10	14	16
ı	0.4a	-38	-14	2	10	15	17
ı	0.3a	-37	-12	2	10	14	16
I	0.2a	-31	-9	3	9	12	13
I	0.1a	-20	-4	2	5	7	7
ı	ВОТ.	0	0	0	0	0	0

M_{x}	END	0.1Ь	0.2b	0.3b	0.4b	0.5b	
	L	0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0	
0.9a	-2	-1	0	1	2	2	
0.8a	-3	-1	í	2	3	4	
0.7a	-5	-2	1	4	5	- 6	
0.6a	-6	-2	2	5	7	8	
0.5a	-7	-2	3	7	10	11	
0.4a	-8	-1	4	9	12	13	
0.3a	-7	-1	6	11	14	15	
0.2a	-6	0	7	11	14	15	
0.1a	-4	1	6	9	10	11	
BOT.	0	0	0	0	0		

0.5b	0.4b	0.3b	0.2b	0.1b	END	M _{xy}
	0.6b	0.7b	0.8b	0.9b		IVIXY
0	3	5	6	5	0	TOP
0	3	5	6	4	0	0.9a
0	3	5	5	4	0	0.8a
0	2	4	5	4	0	0.7a
0	2	3	4	3	0	0.6a
0	1	1	2	2	0	0.5a
0	0	0	0	0	0	0.4a
0	2	3	3	2	0	0.3a
0	3	5	6	5	0	0.2a
0	4	7	9	8	0	0.1a
0	4	8	10	9	0	BOT.

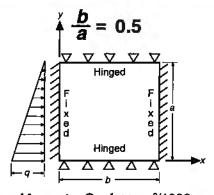


Moment =	Coef.	X	qa²/1000
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M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b	
y	7.11	0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0	
0.9a	-5	-2	0	1	2	2	
0.8a	-10	-4	0	3	4	5	
0.7a	-14	-6	0	4	6	7	
0.6a	-19	-8	0	5	8	9	
0.5a	-22	-10	0	6	10	- 11	
0.4a	-25	-10	0	7	11	12	
0.3a	-26	-10	1	7	11	12	
0.2a	-23	-8	1	6	9	10	
0.1a	-15	-4	1	4	6	6	
BOT.	0	0	0	0	0	0	

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b	
	10.50	0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0	
0.9a	-1	0	0	0	1	1	
0.8a	-2	-1	0	1	1	1	
0.7a	-3	-1	0	1	2	2	
0.6a	-4	-1	0	2	3	3	
0.5a	-4	-2	1	3	4	5	
0.4a	-5	-2	2	4	6	6	
0.3a	-5	-1	2	5	7	8	
0.2a	-5	0	3	6	8	9	
0.1a	-3	0	4	6	7	7	
BOT.	0	0	0	0	0	0	

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ду		0.9b	0.8b	0.7b	0.6b	
TOP	0	2	3	2	1	0
0.9a	0	2	3	2	1	0
0.8a	0	2	3	2	1	0
0.7a	0	2	3	2	1	0
0.6a	0	2	2	2	1	0
0.5a	0	1	2	1	1	0
0.4a	0	1	1	0	0	Ō
0.3a	0	1	1	1	1	0
0.2a	0	2	3	3	2	0
0.1a	0	4	6	5	3	0
BOT.	0	6	7	5	3	0



Moment = Coef. $\times qa^2/1000$

M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b	
	100	0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0	
0.9a	-2	-1	0	1	1	1	
0.8a	-4	-2	0	1	2	2	
0.7a	-6	-3	0	2	3	3	
0.6a	-8	-4	0	2	4	4	
0.5a	-11	-5	0	3	5	5	
0.4a	-12	-6	0	3	5	6	
0.3a	-14	-6	0	4	6	7	
0.2a	-14	-5	0	4	6	6	
0.1a	-10	-3	1	3	4	4	
вот.	0	0	0	0	0	0	

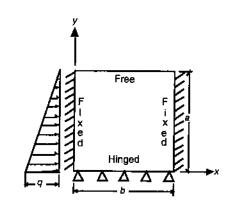
M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b	
х		0.9b	0.8b	0.7b	0.6b	1	
TOP	0	0	0	0	0	0	
0.9a	0	0	0	0	0	0	
0.8a	-1	0	0	0	0	0	
0.7a	-1	-1	0	0	1	1	
0.6a	-2	-1	0	0	1	- 1	
0.5a	-2	-1	0	1	1	1	
0.4a	-2	-1	0	1	2	2	
0.3a	-3	-1	0	2	2	3	
0.2a	-3	-1	1	3	3	4	
0.1a	-2	0	2	3	4	4	
BOT.	0	0	0	0	0	0	

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	-1	1	0	0
0.9a	0	1	1	1	0	0
0.8a	0.	1	1	1	0,	0
0.7a	0	1	. 1	1	0	0
0.6a	0	1	1	- 1	0	0
0.5a	0	1	1	1	0	0
0.4a	0	0	1	0	0	0
0.3a	0	0	0	0	0	0
0.2a	0	1	1	1	0	0
0.1a	0	2	2	2	1	0
BOT.	0	3	3	3	2	0

CASE 2

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{12(1-u^2)}$



Shear Coefficients, $\emph{\textbf{\textit{C}}}_{s}$

LOCATION 6/8	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.39	0.36	0.33	0.31	0.28	0.26	0.23	0.19	0.15	0.11
Side edge — maximum	1.14	0.76	0.58	0.41	0.39	0.37	0.35	0.31	0.26	0.20
Side edge — midpoint	0.51	0.45	0.43	0.39	0.37	0.34	0.30	0.25	0.19	0.13

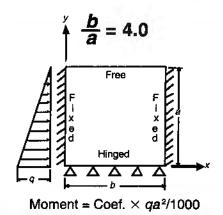
Deflection Coefficients, C_d

Along Midheight (y = a/2)

X	END	0.1b	0.2b	0.3b	0.4b	0.5b	
b/a		0.9b	0.8b	0.7b	0.6b		
4.0	0	10.50	29.40	46.30	57.40	61.30	
3.0	0	4.50	13.00	21.00	26.40	28.30	
2.5	0	2.60	7.70	12.50	15.80	16.90	
2.0	0	1.30	3.90	6.50	8.20	8.80	
1.75	0	0.90	2.60	4.30	5.50	5.90	
1.5	0	0.50	1.60	2.70	3.50	3.70	
1.25	0	0.30	0.90	1.50	2.00	2.10	
1.0	0	0.10	0.40	0.70	1.00	1.00	
0.75	0	0.10	0.20	0.30	0.30	0.40	
0.5	0	0.00	0.00	0.10	0.10	0.10	

Along Midspan (x = b/2)

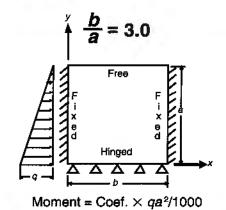
	-			-					Along I	muspan (A - 0/2)
b/a	ВОТ.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	0	13.00	25.70	38.00	49.90	61.30	72.20	82.70	92.90	103.10	113.20
3.0	0	6.30	12.40	18.10	23.40	28.30	32,80	37.00	40.90	44.80	48.70
2.5	0	4.00	7.70	11.20	14.30	16.90	19.30	21.40	23.30	25.10	26.90
2.0	0	2.30	4.40	6.20	7.70	8.80	9.80	10.50	11.10	11.60	12.20
1.75	0	1.60	3.10	4.30	5,30	5.90	6.40	6.70	6.90	7.10	7.30
1.5	0	1.10	2.10	2.90	3.40	3.70	3.90	3.90	3.90	3.80	3.80
1.25	0	0.70	1.30	1.80	2.00	2.10	2.10	2.00	1.90	1.80	1.70
1.0	0	0.40	0.70	0.90	1.00	1.00	1.00	0.90	0.80	0.70	0.60
0.75	0	0.20	0.30	0.40	0.40	0.40	0.30	0.30	0.20	0.20	0.10
0.5	0	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b	
iriy		0.9b	0.8b	0.7b	0.6b		
TOP	-267	-83	21	66	84	89	
0.9a	-317	-77	20	62	79	83	
0.8a	-277	-70	20	58	73	77	
0.7a	-244	-62	21	55	68	71	
0.6a	-217	-52	21	50	62	65	
0.5a	-190	-43	20	45	55	57	
0.4a	-162	-32	19	39	47	49	
0.3a	-131	-22	16	32	38	39	
0.2a	-95	-13	13	23	27	28	
0.1a	-52	-6	7	12	14	15	
BOT.	0	0	0	0	0	0	

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
IAIX		0.9b	0.8b	0.7b	0.6b	
TOP	-53	0	0	0	0	0
0.9a	-63	-9	4	10	13	14
0.8a	-55	-12	10	21	26	27
0.7a	-49	-10	17	31	38	40
0.6a	-43	-5	24	40	47	49
0.5a	-38	1	30	46	54	56
0.4a	-32	7	34	49	56	58
0.3a	-26	11	35	47	53	54
0.2a	-19	13	30	39	43	44
0.1a	-10	10	19	24	26	27
вот.	0	0	0	0	0	0

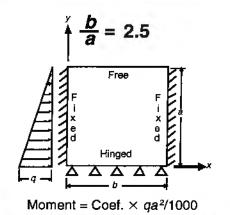
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	57	64	51	28	0
0.9a	0	53	63	50	27	0
0.8a	0	53	63	51	28	0
0.7a	0	54	64	51	28	0
0.6a	0	56	66	53	29	0
0.5a	0	60	69	54	29	0
0.4a	0	63	72	56	30	0
0.3a	0	67	75	58	31	0
0.2a	0	71	77	59	31	0
0.1a	0	74	79	60	31	0
BOT.	0	75	79	60	32	0



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	and the
TOP	-154	-72	7	48	68	74
0.9a	-205	-67	7	46	64	70
0.8a	-185	-61	8	44	61	66
0.7a	-169	-54	10	42	57	61
0.6a	-155	-47	11	39	52	56
0.5a	-140	-38	12	36	47	50
0.4a	-123	-29	12	32	41	43
0.3a	-102	-20	12	26	33	35
0.2a	-76	-12	10	19	24	25
0.1a	-42	-5	6	11	13	13
вот.	0	0	0	0	0	0

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
X		0.9b	0.8b	0.7b	0.6b	
TOP	-31	0	. 0	0	0	0
0.9a	-41	-8	2	7	10	11
0.8a	-37	-11	6	16	21	22
0.7a	-34	-9	11	24	31	33
0.6a	-31	-5	17	32	39	42
0.5a	-28	0	23	38	46	48
0.4a	-25	5	27	41	48	51
0.3a	-20	8	29	40	46	48
0.2a	-15	10	26	34	39	40
0.1a	-8	8	17	21	24	24
BOT.	0	0	0	0	0	0

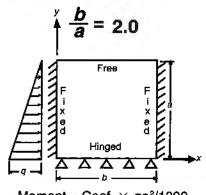
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	0	27	34	28	16	0
0.9a	0	24	32	28	16	0
0.8a	0	24	32	28	16	0
0.7a	0	25	33	29	16	0
0.6a	0	27	36	30	17	0
0.5a	0	30	39	32	18	0
0.4a	0	34	42	35	19	0
0.3a	0	38	46	37	20	0
0.2a	0	43	49	38	21	0
0.1a	0	46	51	39	21	0
вот.	0	47	51	40	21	0



M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIA		0.9b	0.8b	0.7b	0.6b	
TOP	-130	-60	1	37	56	62
0.9a	-150	-56	2	36	53	59
0.8a	-140	-52	3	35	51	56
0.7a	-131	-47	5	34	48	53
0.6a	-124	-41	7	33	45	49
0.5a	-115	-34	9	31	41	44
0.4a	-104	-27	10	28	36	39
0.3a	-88	-19	10	23	30	32
0.2a	-66	-11	8	17	22	23
0.1a	-37	-5	5	10	12	12
вот.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIX		0.9Ь	0.8b	0.7b	0.6b	
TOP	-26	0	0	0	0	0
0.9a	-30	-7	1	5	8	9
0.8a	-28	-9	4	12	17	18
0.7a	-26	-8	8	19	25	27
0.6a	-25	-4	14	26	33	36
0.5a	-23	-1	19	32	39	42
0.4a	-21	3	23	36	43	45
0.3a	-18	6	24	36	42	43
0.2a	-13	8	22	31	35	36
0.1a	-7	7	15	19	22	22
вот.	0	0	0	0	0	0

M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b	
IVIXY		0.9b	0.8b	0.7b	0.6b		
TOP	0	15	20	18	10	C	
0.9a	0	12	18	17	10	0	
0.8a	0	12	18	17	10	0	
0.7a	0	13	19	18	10	0	
0.6a	0	15	22	20	11	0	
0.5a	0	18	25	22	12	0	
0.4a	0	22	29	24	13	0	
0.3a	0	26	32	26	15	0	
0.2a	0	31	36	28	15	0	
0.1a	0	34	38	30	16	0	
BOT.	0	36	39	30	16	0	

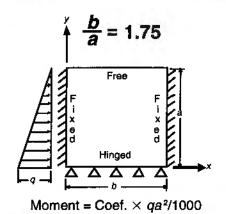


Moment = C	coet. imes c	7a²/1000
END LOTE	1 0 0	I 0.0b

M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-83	-45	-3	25	41	46
0.9a	-98	-42	-2	25	40	44
0.8a	-96	-40	0	25	39	43
0.7a	-94	-37	2	25	38	42
0.6a	-93	-33	4	25	36	40
0.5a	-90	-29	6	24	34	37
0.4a	-83	-23	7	23	30	33
0.3a	-73	-17	8	20	26	27
0.2a	-56	-11	7	15	19	20
0.1a	-32	-5	4	8	10	- 11
BOT.	0	0	0	0	0	0,

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
181X	0.9b	0.8b	0.7b	0.6b		
TOP	-17	0	0	0	0	0
0.9a	-20	-6	0	3	5	6
0.8a	-19	-7	2	8	12	13
0.7a	-19	-6	5	14	19	20
0.6a	-19	-4	10	19	25	27
0.5a	-18	-1	14	25	31	33
0.4a	-17	1	17	28	35	37
0.3a	-15	4	19	29	35	37
0.2a	-11	5	18	26	30	32
0.1a	-6	5	13	17	19	20
BOT.	0	0	0	0	0	0

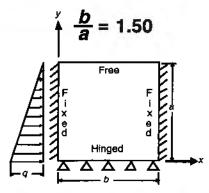
$\mathbf{M}_{\mathbf{x}\mathbf{y}}$	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	5	9	8	5	0
0.9a	0	3	7	7	4	0
0.8a	0	3	7	7	4	0
0.7a	0	4	8	8	5	0
0.6a	0	6	10	10	6	0
0.5a	Ö	8	13	12	7	0
0.4a	0	12	17	15	8	0
0.3a	0	16	21	17	10	0
0.2a	0	20	24	19	11	0
0.1a	0	24	27	21	11	0
BOT.	0	26	28	22	12	0



M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-58	-36	-4	19	33	37
0.9a	-75	-34	-3	19	32	36
0.8a	-75	-33	-1	20	32	36
0.7a	-77	-31	0	20	32	35
0.6a	-77	-29	2	21	31	34
0.5a	-77	-26	4	21	30	32
0.4a	-73	-21	6	20	27	29
0.3a	-65	-16	6	18	23	25
0.2a	-51	-10	6	14	17	18
0.1a	-30	-5	4	8	10	10
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIX		0.9b	0.8b	0.7b	0.6b	
TOP	-12	0	0	0	0	0
0.9a	-15	-5	0	2	4	4
0.8a	-15	-6	1	6	9	10
0.7a	-15	-5	4	11	15	16
0.6a	-15	-4	7	16	21	22
0.5a	-15	-2	11	20	26	28
0.4a	-15	0	14	24	30	32
0.3a	-13	2	16	25	30	32
0.2a	-10	4	16	23	27	28
0.1a	-6	4	11	15	17	18
ВОТ.	0	0	0	0	0	0

M _{xy}	END	0.16	0.2b	0.3b	0.4b	0.5b
шху		0.9b	0.8b	0.7b	0.6b	
TOP	0	2	4	5	3	0
0.9a	0	0	3	3	2	0
0.8a	0	0	2	3	2	0
0.7a	0	1	3	4	3	0
0.6a	0	2	5	5	3	0
0.5a	0	4	8	8	5	0
0.4a	0	8	11	10	6	0
0.3a	0	12	15	13	7	0
0.2a	0	16	19	15	8	Ō
0.1a	0	20	22	17	9	0
BOT.	0	21	23	18	10	0

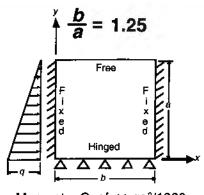


Moment = Coef.	×	qa²/1000
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M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
1444		0.9b	0.8b	0.7b	0.6b	
TOP	-37	-27	-4	13	24	27
0.9a	-53	-25	-3	14	24	27
0.8a	-56	-25	-2	15	24	28
0.7a	-59	-25	0	16	25	28
0.6a	-62	-24	1	17	26	28
0.5a	-63	-22	3	17	25	28
0.4a	-62	-19	4	17	24	26
0.3a	-56	-15	5	16	21	22
0.2a	-45	-10	5	12	16	17
0.1a	-27	-5	3	7	9	9
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIX		0.9b	0.8b	0.7b	0.6b	
TOP	-8	0	0	0	0	0
0.9a	-11	-4	-1	1	2	3
0.8a	-11	-5	0	4	6	7
0.7a	-12	-4	2	7	11	12
0.6a	-12	-3	5	12	16	17
0.5a	-13	-2	8	16	20	22
0.4a	-12	0	11	19	24	26
0.3a	-11	1	13	21	25	27
0.2a	-9	3	13	19	23	24
0.1a	-5	3	9	13	15	16
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	1	2	1	Ö
0.9a	0	2	0	1	1	0
0.8a	0	2	1	0	0	0
0.7a	0	1	0	1.	1	0
0.6a	0	0	1	2	1	0
0.5a	0	2	4	4	2	0
0.4a	0	4	7	6	4	0
0.3a	0	8	11	9	5	0
0.2a	0	12	14	12	7	0
0.1a	0	15	17	14	7	0
BOT.	0	17	19	14	8	0

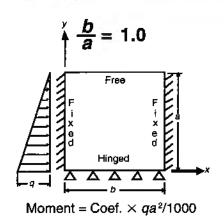


Moment :	= Coef. :	\times qa 2 /1	1000
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	M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
		ļ	0.9b	0.8b	0.7b	0.6b	
	TOP	-20	-18	-3	8	16	18
	0.9a	-34	-17	-3	- 9	16	18
1	0.8a	-38	-18	-2	10	17	20
1	0.7a	-43	-19	-1	11	19	21
ı	0.6a	-47	-19	0	13	20	22
ı	0.5a	-50	-19	2	14	20	22
ı	0.4a	-50	-17	3	14	20	22
ı	0.3a	-47	-14	4	13	18	19
ı	0.2a	-39	-10	4	11	14	15
	0.1a	-23	-5	3	6	8	9
ı	BOT.	0	0	0	0	0	0

4.4	END	0.1b	0.2b	0.3b	0.4b	0.5b
M_{x}	LIVE					0.30
		0.9b	0.8b	0.7b	0.6b	
TOP	-4	0	0	0	0	0
0.9a	-7	-3	-1	0	1	1
0.8a	-8	-4	0	2	3	4
0.7a	-9	-3	1	4	7	7
0.6a	-9	-3	3	8	10	11
0.5a	-10	-2	5	11	14	16
0.4a	-10	-1	7	14	18	19
0.3a	-9	0	9	16	20	21
0.2a	-8	1	10	15	19	20
0.1a	-5	2	8	11	13!	14
BOT.	0	0	0	0	0	0

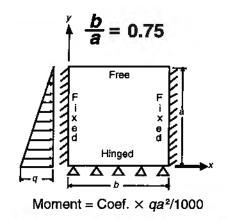
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	0	2	1	0	0	0
0.9a	0	3	2	1	0	0
0.8a	0	3	3	2	1	0
0.7a	0	2	2	1	1	0
0.6a	0	2	1	0	0	0
0.5a	0	0	1	1	1	0
0.4a	0	2	3	3	2	0
0.3a	0	5	7	6	3	0
0.2a	0	8	10	9	5	0
0.1a	0	11	13	11	6	0
ВОТ.	0	13	14	11	6	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
-		0.9b	0.8b	0.7b	0.6b	
TOP	-9 ₁	-10	-2	4	8	10
0.9a	-19	-10	-2	5	9	11
0.8a	-23	-11	-1	6	11	12
0.7a	-28	-13	-1	7	12	14
0.6a	-32	-14		9	14	16
0.5a	-36	-15	0	10	15	17
0.4a	-38	-14	1	11	16	17
0.3a	-37	-12	2	10	15	16
0.2a	-32	-9	3	9	12	13
0.1a	-20	-4	2	5	7	7
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
x		0.9b	0.8b	0.7b	0.6b	
TQP	-2	0	0	0	0	0
0.9a	-4	-2	-1	0	0	0
0.8a	-5	-2	-1	11	1	1
0.7a	-6	-2	0	2	3	4
0.6a	-6	-2	- 1	4	6	6
0.5a	-7	-2	2	6	9	9
0.4a	-8	-2	4	8	11	12
0.3a	-7	-1	5	10	13	14
0.2a	-6	0.	6	11	14	14
0.1a	-4	1	6	8	10	11
вот.	0	0	0	0	0	0

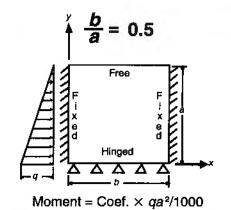
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
•••ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	. 2	1	1	0	0
0.9a	0	2	2	2	1	0
0.8a	0	2	3	2	1	0
0.7a	0	2	3	2	1	0
0.6a	0	2	2	2	1	0
0.5a	0	1	1	1	0	0
0.4a	0	0	1	1	1	0
0.3a	0	2	3	3	2	0
0.2a	0	5	- 6	6	3	0
0.1a	0	8	9	8	4	0
ВОТ.	0	_ 9	11	8	5	0



M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
iviy	100	0.9b	0.8b	0.7b	0.6b	
TOP	-4	-4	-1	2	3	4
0.9a	-8	-4	-1	2	4	5
0.8a	-12	-6	-1	3	5	6
0.7a	-15	-7	-1	4	7	8
0.6a	-19	-9	-1	5	8	9
0.5a	-23	-10	0	6	10	- 11
0.4a	-25	-10	0	7	11	12
0.3a	-26	-10	1	7	11	12
0.2a	-23	-8	1	6	9	10
0.1a	-15	-4	1	4	6	6
вот.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
X	10000	0.9b	0.8b	0.7b	0.6b	
TOP	-1	0	0	0	0	0
0.9a	-2	-1	0	0	0	0
0.8a	-2	-1	0	0	0	0
0.7a	-3	-1	0	1	- 1	- 1
0.6a	-4	-2	0	2	2	3
0.5a	-5	-2	1	3	4	4
0.4a	-5	-2	1	4	5	6
0.3a	-5	-1	2	5	7	8
0.2a	-5	0	3	6	8	9
0.1a	-3	0	4	6	7	7
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
xy		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	1	1	0	0
0.9a	0	1	- 1	- 1	1	0
0.8a	0	1	2	1	1,	0
0.7a	0	2	2	2	1	0
0.6a	0	1	2	2	- 1	0
0.5a	0	1	1	1	1	0
0.4a	0	1	0	0	0	0
0.3a	0	1	1	1	1	0
0.2a	0	2	3	3	2	0
0.1a	0	4	6	5	3	0
BOT.	0	6	7	5	3	0



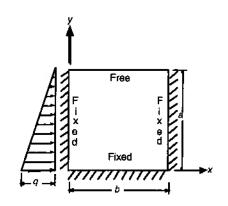
Μ _ν	END	0.1b	0.2b	0.3b	0.4b	0.5b
illy		0.9b	0.8b	0.7b	0.6b	
TOP	-1	-1	0	0	1	1
0.9a	-3	-1	0	1	1	2
0.8a	-4	-2	0	1	2	2
0.7a	-6	-3	0	2	3	3
0.6a	-8	-4	0,	2	4	4
0.5a	-11	-5	0	3	5	5
0.4a	-12	-6	0	3	5	6
0.3a	-14	-6	0	4	6	7
0.2a	-14	-5	0	4	6	6
0.1a	-10	-3	1	3	4	4
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
ж.х		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-1	0	0	0	0	0
0.8a	-1	0	0	0	0	0
0.7a	-1	-1	0	0	0	1
0.6a	-2	-1	0	0	1	1
0.5a	-2	-1	0	1	- 1	1
0.4a	-2	-1	0	1	2	2
0.3a	-3	-1	0	2	2	3
0.2a	-3	-1	1	3	3	4
0.1a	-2	0	2	3	4	4
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	0	0	0	0	0
0.8a	0	0	1	1	0	Ö
0.7a	0	1	- 1	1	0	0
0.6a	0	1	1	1	0	0
0.5a	0	1	1	1	0	0
0.4a	0	0	1	0	0	0
0.3a	0	0	0	0	0	0
0.2a	0	1	1	1	0	0
0.1a	0	2	2	2	1	0
вот.	0	3	3	3	2	Ō

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{12(1-u^2)}$



Shear Coefficients, C_s

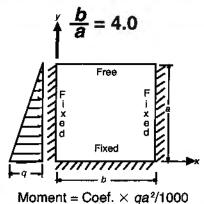
LOCATION b/a	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.50	0.50	0.48	0.45	0.43	0.40	0.36	0.32	0.26	0.19
Side edge — maximum	0.38	0.37	0.33	0.27	0.26	0.26	0.25	0.24	0.22	0.17
Side edge — midpoint	0.23	0.24	0.25	0.26	0.26	0.26	0.25	0.23	0.19	0.13

Deflection Coefficients, C_d

Along Midheight (y = a/2)

				0 0 (/			
X	END	0.1b	0.2b	0.3b	0.4b	0.5b	
b/a		0.9b	0.8b	0.7b	0.6b	-1,00	
4.0	0	2.60	6.20	8.70	10.10	10.50	
3.0	0	1.60	4.20	6.40	7.70	8.10	
2.5	0	1.10	3.10	4.80	6.00	6.30	
2.0	0	0.70	2.00	3.20	4.00	4.30	
1.75	0	0.50	1.50	2.40	3.00	3.20	
1.5	0	0.40	1.00	1.70	2.10	2.30	
1.25	0	0.20	0.60	1.10	1.40	1.50	
1.0	0	0.10	0.30	0.60	0.70	0.80	
0.75	0	0.00	0.10	0.20	0.30	0.30	
0.5	0	0.00	0.00	0.10	0.10	0.10	

	· · · · · · · · · · · · · · · · · · ·									[X - 27 E/	
b/a	BOT.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0. 9 a	TOP
4.0	ο,	0.70	2.40	4.70	7.50	10.50	13.60	16.70	19.70	22.70	_25,80
3.0	0	0.60	1.90	3.80	5.90	8.10	10.30	12.40	14.40	16.40	18.40
2.5	0	0.50	1.60	3.10	4.70	6.30	7.90	9.30	10.70	12.00	13.20
2.0	o	0.40	1.20	2.20	3.30	4.30	5.10	5.90	6.50	7.10	7.70
1.75	0	0.30	1.00	1.80	2.60	3.20	3.80	4.20	4.60	4.90	5.20
1.5	0	0.20	0.80	1.30	1.90	2.30	2.60	2.80	2.90	3.00	3.10
1.25	0	0.20	0.60	0.90	1.30	1.50	1.60	1.60	1.60	1.50	1.50
1.0	0	0.10	0.40	0.60	0.70	0.80	0.80	0.70	0.70	0.60	0.60
0.75	0	0.10	0.20	0.30	0.30	0.30	0.30	0.30	0.20	0.20	0.10
0.5	0	0.00	0.10	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00

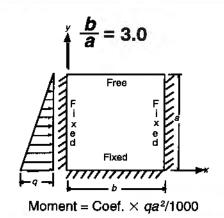


Moment =	Coef.	×	qa²/1000	ļ
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M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
TT-y		0.9b	0.8b	0.7b	0.6b	
TOP	-99	-14	13	17	16	15
0.9a	-98	-12	13	16	14	13
0.8a	-85	-10	12	15	13	12
0.7a	-75	-7	11	13	11	10
0.6a	-65	-5	10	10	8	7
0.5a	-56	-3	8	7	5	4
0.4a	-45	-1	5	3	0	-1
0.3a	-32	-1	1	-3	-5	-6
0.2a	-18	-2	-5	-9	-12	-12
0.1a	-5	-5	-12	-17	-20	-20
BOT.	0	-10	-20	-26	-29	-30

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b	
IVIX		0.9b	0.8b	0.7b	0.6b		
TOP	-20	0	0	0	0	0	
0.9a	-20	-2	2	3	3	3	
0.8a	-17	-1	5	6	5	5	
0.7a	-15	0	6	7	5	5	
0.6a	-13	2	6	5	2	1	
0.5a	-11	2	4	-1	-5	-6	
0.4a	-9	1	-3	-12	-18	-20	
0.3a	-6	-3	-16	-29	-37	-39	
0.2a	-4	-12	-35	-53	-64	-67	
0.1a	-1	-27	-63	-87	-99	-103	
вот.	0	-50	-101	-130	-145	-149	

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	19	19	14	7	0
0.9a	0	18	19	14	7	- 0
0.8a	0	18	19	14	7	0
0.7a	0	18	19	14	7	0
0.6a	0	19	20	13	6	0
0.5a	0	20	19	13	6	0
0.4a	0	20	18	11	5	0
0.3a	0	19	16	10	4	0
0.2a	0	16	12	7	3	0
0.1a	0	10	7	4	2	-0
BOT.	0	0	0	0	0	0



END 0.1b

M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY		0.9b	0.8b	0.7b	0.6b	
TOP	-87	-24	8	20	24	24
0.9a	-91	-22	8	19	22	22
0.8a	-80	-19	8	17	20	20
0.7a	-71	-16	8	16	17	17
0.6a	-63	-12	8	14	14	14
0.5a	-55	-8	7	11	11	10
0.4a	-44	-5	5	7	6	5
0.3a	-32	-3	2	1	0	-1
0.2a	-18	-2	-2	-5	-7	-8
0.1a	-5	-4	-8	-12	-15	-16
вот.	0	-7	-15	-21	-24	-25

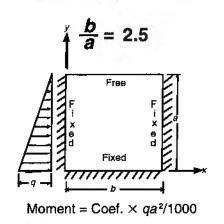
0.2b

0.3b

0.4b

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
х		0.9b	0.8b	0.7b	0.6b	
TOP	-17	0	0	0	0	0
0.9a	-18	-3	2	4	5	5
0.8a	-16	-3	4	7	8	9
0.7a	-14	-2	6	10	11	11
0.6a	-13	0	7	10	10	10
0.5a	-11	1	7	7	5	5
0.4a	-9	1	3	-1,	-4	-6
0.3a	-6	-1	-6	-14	-21	-23
0.2a	-4	-7	-21	-35	-45	-48
0.1a	-1	-17	-44	-65	-78	-82
ВОТ.	0	-35	-77	-106	-122	-127

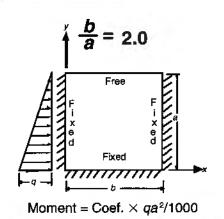
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	15	17	14	7	0
0.9a	0	13	16	13	7	0
0.8a	0	13	17	14	7	0
0.7a	0	14	17	14	8	0
0.6a	0	15	18	14	8	0
0.5a	0	16	19	14	7	0
0.4a	0	17	18	13	7	Ō
0.3a	0	17	17	12	6	Ő
0.2a	0	15	14	9	5	0
0.1a	0	10	8	5	3	0
BOT.	0	0	0	0	0	0



	M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
	IVI		0.9b	0.8b	0.7b	0.6b	
Γ	TOP	-77	-28	4	20	26	28
ľ	0.9a	-82	-25	4	18	24	26
ľ	0.8a	-74	-22	5	17	22	24
Γ	0.7a	-67	-19	6	16	20	21
ľ	0.6a	-61	-15	6	14	17	18
F	0.5a	-53	-11	6	12	14	14
Γ	0.4a	-44	-7	5	8	9	9
Γ	0.3a	-32	-4	3	4	3	3
ľ	0.2a	-18	-3	-1	-2	-4	-4
ľ	0.1a	-6	-3	-6	-9	-12	-12
L	ВОТ.	0	-5	-13	-18	-21	-22

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7Ъ	0.6b	
TOP	-15	0	0	Ö	0	0
0.9a	-16	-4	1	4	5	5
0.8a	-15	-4	3	7	9.	10
0.7a	-13	-3	6	10	13	13
0.6a	-12	-1	7	12	13	14
0.5a	-11	1	8	10	11	11
0.4a	-9	1	5	5	3	3
0.3a	-6	0	-1	-6	-10	-12
0.2a	-4	-4	-13	-24	-31	-34
0.1a	-1	-12	-33	-51	-62	-66
BOT.	0	-27	-63	-89	-104	-109

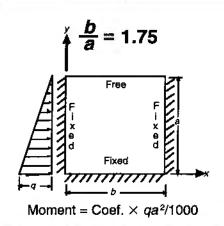
					_	
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	11	14	11	6	0
0.9a	0	9	13	11	6	Ō
0.8a	0	9	13	11	6	0
0.7a	0	10	14	12	7	0
0.6a	0	11	15	13	7	0
0.5a	0	13	16	13	7	0
0.4a	0	14	16	13	7	0
0.3a	0	14	16	12	- 6	0
0.2a	0	13	13	10	5	-0
0.1a	0	9	9	6	3	0
BOT.	0	0	0	0	0	0



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-61	-27	0	17	25	28
0.9a	-66	-25	1	16	24	26
0.8a	-62	-23	2	16	22	24
0.7a	-59	-20	3	15	21	22
0.6a	-55	-16	4	14	19	20
0.5a	-50	-13	5	12	16	16
0.4a	-42	-9	5	10	12	12
0.3a	-32	-5	3	6	6	6
0.2a	-19	-3	1	0	0	-1
0.1a	-6	-2	-4	-6	-8	-8
BOT.	0	-4	-10	-14	-16	-17

M_{x}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-12	0	0	0	0	Ō
0.9a	-13	-4	0	3:	4	5
0.8a	-12	-4	2	6	9	10
0.7a	-12	-3	5	10	13	14
0.6a	-11	-1	7	12	15	16
0.5a	-10	0	8	13	15	15
0.4a	-8	1	7	10	10	10
0.3a	-6	1	3	2	0	0
0.2a	-4	-2	-6	-12	-17	-19
0.1a	1	-8	-22	-35	-44	-47
BOT.	0	-20	-48	-69	-82	-86

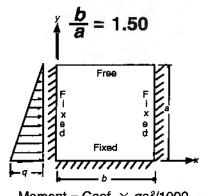
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	6	8	7	4	0
0.9a	0	5	7	7	4	0
0.8a	0	5	8	7	4	0
0.7a	0	5	8	8	5	Ó
0.6a	0	7	10	9	5	0
0.5a	0	8	12	10	6	0
0.4a	0	10	13	11	6	0
0.3a	0	11	13	11	6	0
0.2a	0	11	12	9	5	0
0.1a	0	8	8	6	3	0
BOT.	0	0	0	0	0	0



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
,		0.9b	0.8b	0.7b	0.6b	
TOP	-48	-25	-1	14	23	25
0.9a	-55	-23	0	14	22	24
0.8a	-54	-21	- 11	14	21	23
0.7a	-52	-19	2	14	20	22
0.6a	-50	-16	3	13	18	20
0.5a	-47	-13	4	12	16	17
0.4a	-40	-10	4	10	12	13
0.3a	-31	-6	3	7	8	8
0.2a	-19	-3	1	2	1	
0.1a	-6	-2	-3	-4	-6	-6
BOT.	0	-3	-8	-12	-14	-15

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-10	0	0	0	0	0
0.9a	-11	-3	0	2	4	4
0.8a	-11	-4	2	5	8	8
0.7a	-10	-3	4	9	12	13
0.6a	-10	-1	6	12	15	16
0.5a	-9	0	8	13	15	16
0.4a	-8	1	7	11	13	13
0.3a	-6	1	4	5	5	4
0.2a	-4	-1	-3	-7	-10	-11
0.1a	-1	-6	-17	-27	-34	-36
BOT.	0	-16	-40	-59	-70	-73

M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	3	5	5	3	0
0.9a	0	2	4	4	3	0
0.8a	0	2	4	5	3	Ö
0.7a	0	3	5	5	3	0
0.6a	0	4	7	6	4	0
0.5a	0	6	9	8	4	0
0.4a	0	8	10	9	5	0
0.3a	0	10	12	9	5	0
0.2a	0	10	11	8	4	0
0.1a	0	8	8	6	3	0
BOT.	0	0	0	0	0	0

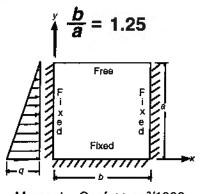


Moment	= Coef.	X	qa²/1000

M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
у		0.9b	0.8b	0.7b	0.6b	
TOP	-34	-21	-2	11	19	21
0.9a	-43	-19	-1	11	18	21
0.8a	-44	-18	0	11	18	20
0.7a	-44	-17	1	12	18	20
0.6a	-44	-15	2	12	17	19
0.5a	-43	-13	3	11	15	17
0.4a	-38	-10	4	10	13	13
0.3a	-30	-7	3	7	8	9
0.2a	-19	-4	1	3	3	3
0.1a	-6	-2	-2	-3	-4	-4
BOT.	0	-3	-6	-10	-11	-12

M _x	END	0.1b	0.2b	0.3b	0.4Ь	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-7	0	0	0	0	0
0.9a	-9	-3	0	2	3	3
0.8a	-9	-3	1	4	6	7
0.7a	-9	-3	3	7	10	11
0.6a	-9	-2	5	10	13	14
0.5a	-9	0	7	12	14	15
0.4a	-8	0	7	11	13	14
0.3a	-6	1	5	7	8	8
0.2a	-4	-1	-1	-2	-4	-5
0.1a	-1	-4	-12	-20	-25	-27
вот.	0	-13	-32	-48	-57	-61

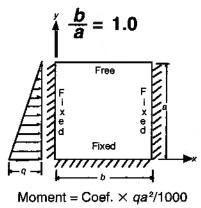
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	3	3	2	0
0.9a	0	0	2	2	1	0
0.8a	0	0	1	2	1	0
0.7a	0	1	2	3	2	0
0.6a	0	2	4	4	2	0
0.5a	0	4	6	5	3	0
0.4a	0	6	8	7	4	0
0.3a	0	8	9	8	4	- 0
0.2a	0	8	10	7	4	0
0.1a	0	7	7	5	3	0
вот.	0	0	0	0	0	0



	M _v	END	0.1Ь	0.2b	0.3b	0.4b	0.5b
			0.9Ь	0.8b	0.7b	0.6b	
	TOP	-20	-15	-2	8	14	16
	0.9a	-30	-15	-2	8	14	16
	0.8a	-33	-15	-1	9	14	16
	0.7a	-35	-14	0	9	15	16
	0.6a	-37	-14	1	10	15	16
1	0.5a	-37	-12	2	10	14	15
ı	0.4a	-34	-10	3	9	12	13
ı	0.3a	-28	-7	3	7	9	9
ı	0.2a	-18	-4	2	4	4	4
	0.1a	-6	-2	1	-1	-2	-2
	BOT.	0	-2	-5	-7	-9¦	-10

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
	L	0.9b	d8.0	0.7b	0.6b	
TOP	-4	0	0	0	0	0
0.9a	-6	-2	0	1	1	2
0.8a	-7	-3	0	3	4	4
0.7a	-7	-2	2	5	7	8
0.6a	-7	-2	4	8	10	11
0.5a	-7	-1	5	9	12	13
0.4a	-7	0	6	10	12	13
0.3a	-6	0	5	8	9	10
0.2a	-4	0	1	1	0	0
0.1a	-1]	-3	-8	-13	-16	-18
BOT.	0	-9	-25	-37	-45	-48

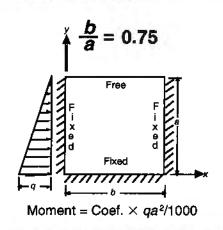
M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	0	1	0	0
0.9a	0	1	1	0	0	0
0.8a	0	1	1	0	0	Ö
0.7a	0	1	0	0	0	0
0.6a	0	0	1	1	1	0
0.5a	Ó	2	3	3	2	0
0.4a	0	4	5	5	3	0
0.3a	0	6	7	6	3	0
0.2a	0	7	8	6	3.	0
0.1a	0	6	6	5	3	0
BOT.	0	0	0	0	0	0



Μ _ν	END	0.1b	0.2b	0.3b	0.4b	0.5b
,		0.9b	0.8b	0.7b	0.6b	
TOP	-10	-9	-2	4	8	9
0.9a	-18	-9	-1	5	9	10
0.8a	-21	-10	-1	6	10	11
0.7a	-25	-11	0	7	11	12
0.6a	-28	-11	0	- 8	12	13
0.5a	-30	-11	1	8	12	13
0.4a	-29	-10	2	8	11	12
0.3a	-25	· 7	2	7	9	10
0.2a	-17	-4	1	4	5	5
0.1a	-6	-2	0	0	0	0
BOT.	0	-1	-4	-5	-7	-7

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-2	0	0	0	0	0
0.9a	-4	-2	Ó	0	Ō	1
0.8a	-4	-2	0	1!	2	2
0.7a	-5	-2	1	3	4	4
0.6a	-6	-2	2	5	6	7
0.5a	-6	-1	3	6	9	9
0.4a	-6	-1	4	8	10	10
0.3a	-5	0	4	7	9	9
0.2a	-3	0	2	3	3	3
0.1a	-1	-2	-4	-7	-9	-10
BOT.	0	-6	-18	-27	-33	-35

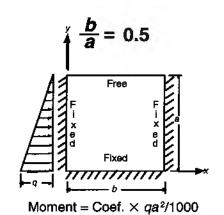
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	1	0	0	0
0.9a	0	2	2	1	1	0
0.8a	0	2	2	1	1	0
0.7a	0	2	2	1	1	0
0.6a	0	1	1	0	0	0
0.5a	0	0	1	1	1	0
0.4a	0	2	3	2	1	0
0.3a	0	3	5	4	2	0
0.2a	0	5	6	5	3	0
0.1a	0	5	5	4	2	0
BOT.	0	0	0	0	0	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
y		0.9b	0.8b	0.7b	0.6b	
TOP	-4	-4	-1	2	4	4
0.9a	-8	-4	-1	2	4	5
0.8a	-11	-6	-1	3	5	6
0.7a	-15	-7	-1	4	7	7
0.6a	-18	-8	0	5	8	9
0.5a	-21	-8	0	6	9	10
0.4a	-22	-8	0	6	9	10
0.3a	-20	-7	1	5	8	9
0.2a	-15	-5	1	4	5	6
0.1a	-6	-2	0	1	1	- 1
вот.	0	-1	-2	-3	-4	-5

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-1	0	0	0	0	0
0.9a	-2	-1	0	Ö	0	0
0.8a	-2	-1	0	0	1	1
0.7a	-3	-1	0	1	2	2
0.6a	-4	-1	0	2	3	3
0.5a	-4	-1	1	3	4	5
0.4a	-4	-1	2	4	6	6
0.3a	-4	-1	2	5	6	7
0.2a	-3	0	2	3	4	5
0.1a	-1	-1	-1	-2	-3	-3
BOT.	0	-4	-11	-17	-21	-23

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	1	1	0	Ö
0.9a	0	1	1	1	- 1	0
0.8a	0	1	2	1	1	0
0.7a	0	1,	2	1	1	0
0.6a	0	1	1	- 1	1	0
0.5a	0	1	1	0	0	0
0.4a	0	0	1	- 1	0	0
0.3a	0	2	2	2	1	0
0.2a	0	3	4	3	2	0
0.1a	0	3	4	3	2	0
BOT.	0	0	0	0	0	0



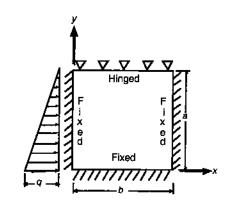
My	END	0.1b	0.2b	0.3b	0.4b	0.5b
ivy		0.9b 0.	0.8b	0.7b	0.6b	
TOP	-1	-1	0	0	1	1
0.9a	-3	-1	0	1	1	2
0.8a	-4	-2	0	1	2	2
0.7a	-6	-3	0	2	3	3
0.6a	-8	-4	0	2	4	4
0.5a	-10	-5	0	3	5	- 5
0.4a	-12	-5	0	3	5	6
0.3a	-12	-5	0	3	5	6
0.2a	-11	-4	0	3	4	5
0.1a	-5	-2	0	1	2	2
BOT.	0	0	-1	-2	-2	-2

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-1	0	0	0	0	0
0.8a	-1	0	0	0	0	0
0.7a	-1	-1	0	0	0	1
0.6a	-2	-1	0	0	1	1
0.5a	-2	-1	0	1	1	- 1
0.4a	-2	-1	0	1	2	2
0.3a	-2	-1	1	2	3	3
0.2a	-2	0	1	2	3	3
0.1a	-1	0	0	0	0	0
вот.	0	-2	-5	-9	-11	-11

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	0	0	0	0	0
0.8a	0	0	1	1	0	0
0.7a	0	1	1	1	0	0
0.6a	0	1	1	1	0	0
0.5a	0	0	1	1	0	0
0.4a	0	0	0	0	0	0
0.3a	0	0	0	0	0	0
0.2a	0	1	- 1	1	1	0
0.1a	0	2	2	2	1	0
BOT.	0	0	0	0	0	0

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{1000 D}$



Shear Coefficients, C_s

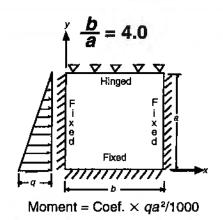
LOCATION b/a	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.40	0.40	0.40	0.40	0.39	0.38	0.36	0.32	0.26	0.20
Side edge — maximum	0.26	0.26	0.26	0.27	0.26	0.26	0.25	0.24	0.22	0.17
Side edge — midpoint	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.23	0.19	0.13
Top edge — midpoint	0.10	0.11	0.11	0.11	0.11	0.11	0.09	0.07	0.05	0.03

Deflection Coefficients, C_a

Along Midheight (v = a/2)

400				Along I	nunsigin	$\operatorname{signt}(y = a/2)$	
X	END	0.1b	0.2b	0.3b	0.4b	0.5b	
b/a		0.9b	0.8b	0.7b	0.6b		
4.0	0	1.20	2.00	2.30	2.30	2.30	
3.0	0	0.80	1.70	2.10	2.30	2.30	
2.5	0	0.60	1.40	1.90	2.20	2.20	
2.0	0	0.50	1.10	1.70	1.90	2.00	
1.75	0	0.40	1.00	1.50	1,70	1.80	
1,5	0	0.30	0.80	1.20	1.50	1.60	
1.25	0	0.20	0.50	0.90	1.10	1.20	
1.0	0	0.10	0.30	0.50	0.70	0.70	
0.75	0	0.00	0.10	0.20	0.30	0.30	
0.5	0	0.00	0.00	0.10	0.10	0.10	

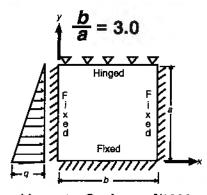
				400					7110113		(1-10/2)
b/a y	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
3.0	0	0.30	0.90	1.50	2.00	2.30	2.30	2.00	1.50	0.80	0
2.5	0	0.30	0.80	1.50	2.00	2.20	2.20	2.00	1.50	0.80	0
2.0	0	0.20	0.80	1.40	1.80	2.00	2.00	1.80	1.30	0.70	0
1.75	0	0.20	0.70	1.20	1.60	1.80	1.80	1.60	1.20	0.60	0
1.5	0	0.20	0.60	1.10	1.40	1.60	1.50	1.30	1.00	0.50	0
1.25	0	0.20	0.50	0.80	1.10	1.20	1.10	1.00	0.70	0.40	0
1.0	0	0.10	0.40	0.60	0.70	0.70	0.70	0.60	0.40	0.20	0
0.75	0	0.10	0.20	0.30	0.30	0.30	0.30	0.20	0.20	0.10	0
0.5	0	0.00	0.10	0.10	0.10	0.10	0.10	0.00	0.00	0.00	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-11	2	3	2	2	2
0.8a	-21	4	5	4	4	4
0.7a	-29	6	7	6	5	5
0.6a	-35	7	9	7	6	6
0.5a	-37	8	9	7	6	6
0.4a	-35	7	7	6	5	5
0.3a	-29	6	5	3	3	3
0.2a	-18	2	1	-1	-1	-1
0.1a	-6	-2	-5	-6	-6	-6
BOT.	0	-8	-12	-13	-13	-13

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	Ö	0
0.9a	-2	4	8	9	10	10
0.8a	-4	8	15	18	19	19
0.7a	-6	11	21	25	25	25
0.6a	-7	14	25	29	29	29
0.5a	-7	15	26	29	29	29
0.4a	-7	14	22	24	24	24
0.3a	-6	10	13	13	13	13
0.2a	-4	1	-3	-5	-5	-5
0.1a	-1	-15	-27	-31	-31	-31
BOT.	0	-41	-61	-66	-67	-67

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b	
III XY		0.9b	0.8b	0.7b	0.6b		
TOP	0	9	4	1	0	0	
0.9a	0	9	4	1	0	0	
0.8a	0	7	3	1	0	0	
0.7a	0	5	2	0	0	0	
0.6a	0	2	0	0	Ö	0	
0.5a	0	1	1	0	0	0	
0.4a	0	5	2	1	0	0	
0.3a	0	7	3	1	0	0	
0.2a	0	7	3	1	0	0	
0.1a	0	5	2	0	0	0	
BOT.	0	0	0	0	0	0	

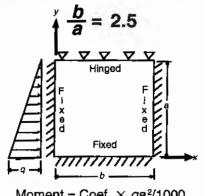


Moment = Coef. $\times qa^2/1000$

My	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVI		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-11	1	3	3	2	2
0.8a	-21	2	6	5	4	4
0.7a	-29	3	8	7	6	6
0.6a	-35	3	9	8:	7	7
0.5a	-37	4	9	8	7	7
0.4a	-35	4	8	7	6	5
0.3a	-29	4	6	4	3	3
0.2a	-18	2	2	0	-1	-1
0.1a	-6	-1	-4	-5	-6	-6
ВОТ.	0	-6	-11	-13	-13	-13

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
ITTEX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	3	7	9	9	10
0.8a	-4	5	13	16	18	18
0.7a	-6	7	18	23	25	25
0.6a	-7	9	21	26	28	29
0.5a	-7	10	22	27	29	29
0.4a	-7	10	19	23	24	24
0.3a	-6	7	12	13	13	13
0.2a	-4	1 31	-1	-4	-5	-5
0.1a	-1	-11	-23	-28	-31	-31
BOT.	0	-31	-54	-63	-66	-66

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · xy		0.9b	0.8b	0.7b	0.6b	
TOP	Ō	10	6	3	1	0
0.9a	0	9	6	3	1	0
0.8a	0	8	5	2	1	0
0.7a	0	5	3		0	0
0.6a	0	2	1	0	0	0
0.5a	0	1	1	1	0	0
0.4a	0	5	3	2	1	0
0.3a	0	7	5	2	1	0
0.2a	0	8	5	2	1	0
0.1a	0	6	3	1	0	0
BOT.	0	0	0	0	0	0

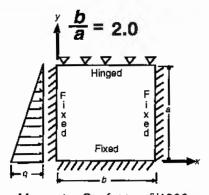


Moment	= C	pef. ×	(qa²/	1000
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My	END	0.1b	0.2b	0.3b	0.4b	0.5b
iviy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-11	0	3	3	3	3
0.8a	-21	0	5	6	5	5
0.7a	-29	0	7	8	7	7
0.6a	-35	0	9	9	8.	8
0.5a	-37	1	9	9	8	8
0.4a	-35	2	8	8	7	6
0.3a	-29	2	6	5	4	4
0.2a	-18	1	2	1	0	0
0.1a	-6	-1	-3	-5	-6	-6
BOT.	0	-5	-10	-12	-13	-13

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
11.7.39		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	Ō
0.9a	-2	2	5	8	9	9
0.8a	-4	4	11	15	17	18
0.7a	-6	5	15	21	23	24
0.6a	-7	7	18	24	27	28
0.5a	-7	7	19	25	28	28
0.4a	-7	7	17	22	23	24
0.3a	-6	6	11	13	13	13
0.2a	-4	1	0	-2	-4	-4
0.1a	-1	-8	-19	-26	-29	-30
BOT.	0	-25	-49	-60	-64	-65

				-		
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9Ь	d8.0	0. 7 b	0.6b	
TOP	_ 0	10	8	4	2	0
0.9a	0	9	7	4	2	Ö
0.8a	0	8	6	3	1	0
0.7a	0	5	4	2	1	0
0.6a	0	2	1	0	0	0
0.5a	0	1	2	1.	0	0
0.4a	0	4	4	2	1	0
0.3a	0	7	6	3	1	0
0.2a	0	8	6	3	1	0
0.1a	Ō	7	4	2	1	0.
BOT.	0	0	0	0	0	0

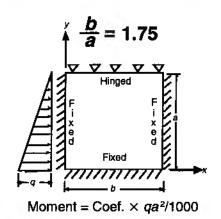


Moment = Coef. $\times qa^2/1000$

M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY	1000	0.9b	0.8b	0.7b	0.6b	
TOP	0.	0	0	0	0	0
0.9a	-11	-1	2	3,	3	3
0.8a	-21	-3	4	6	6	6
0.7a	-29	-3	6	8	8	8
0.6a	-34	-3	7	10	10	9
0.5a	-37	-3	8	10	10	9
0.4a	-35	-2	7	9	8	8
0.3a	-29	-1	6	6	5	5
0.2a	-18	0	3	2	1	1
0.1a	-6	-1	-2	-4	-5	-5
BOT.	0	-4	-8	-11	-12	-12

			_			
M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
x		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	1	4	6	8	- 8
0.8a	-4	2	8	12	15	16
0.7a	-6	3	11	17	21	22
0.6a	-7	4	14	21	24	25
0.5a	-7	5	15	22	25	26
0.4a	-7	5	14	19	22	22
0.3a	-6	4	10	12	13	13
0.2a	-4	1	1	-1	-2	-3
0.1a	-1	-6	-15	-22	-26	-27
BOT.	0	-19	-41	-54	-60	-62

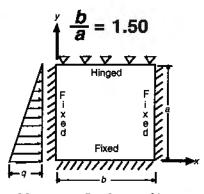
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	9	9	6	3	0
0.9a	0	9	8	6	3	Ö
0.8a	0	7	7	4	2	0
0.7a	0	5	5	3	1	0
0.6a	0	2	2	1	Ö	0
0.5a	0	1	1	1	1	0
0.4a	0	4	4	3	2	0
0.3a	0	7	7	4	2	0
0.2a	0	8	7	4	2	0
0.1a	0	7	5	3	1	0
вот.	0	0	0	0	0	0



My	END	0.1b	0.2b	0.3b	0.4b	0.5b
illy		0.9b	0.8b	0.7b	0.6b	
TOP	Ő	0	0	0	0	0
0.9a	-11	-2	2	3	4	4
0.8a	-21	-4	3	6	7	7
0.7a	-29	-5	5	8	9	9
0.6a	-34	-6	6	10	11	11
0.5a	-36	-5	7	10	11	11
0.4a	-35	-4	6	9	9	9
0.3a	-28	-3	5	7	6	6
0.2a	-18	-1	3	3	2	2
0.1a	-6	-1	-2	-3	-4	-4
BOT.	0	-3	-7	-10	-11	-12

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
х		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	1	3	5	7	7
0.8a	-4	1	6	10	13	14
0.7a	-6	2	9	15	18	19
0.6a	-7	2	11	18	22	23
0.5a	-7	3	12	19	23	24
0.4a	-7	3	12	17	20	21
0.3a	-6	3	9	12	13	13
0.2a	-4	1	1	0	-1	-1
0.1a	-1	-5	-13	-19	-24	-25
BOT.	0	-16	-36	-50	-57	-59

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · xy	600.00	0.9b	0.8b	0.7b	0.6b	
TOP	0	8	9	6	3	0
0.9a	0	8	8	6	3	Ō
0.8a	0	7	7	5	2	0
0.7a	0	5	5	3	2	0
0.6a	0	2	2	1	0	0
0.5a	0	1	1	1	1	0
0.4a	0	4	4	3	2	0
0.3a	0	6	7	5	2	0
0.2a	0	8	8	5	2	0
0.1a	0	7	6	4	2	0
BOT.	0	. 0	0	0	0	0

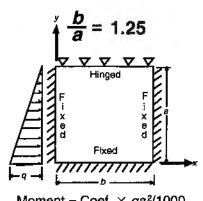


Moment :	= Coef. >	< <i>qa²/</i> 1000
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My	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-10	-3	1	3	4	4
0.8a	-20	-5	2	6	7	7
0.7a	-28	-7	4	8	10	10
0.6a	-33	-8	4	10	11	12
0.5a	-36	-8	5	10	12	12
0.4a	-34	-6	5	9	10	11
0.3a	-28	-4	4	7	8	8
0.2a	-18	-2	2	3	3	3
0.1a	-6	-1		-2	-3	-3
BOT.	0	-3	-6	-9	-10	-11

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
X		0.9b	0.8b	0.7b	0.6b	1
TOP	0	0	0	0	0	0
0.9a	-2	0	2	4	5	6
0.8a	-4	0	5	8	10	11
0.7a	-6	1	7	12	15	16
0.6a	-7	1	9	15	18	19
0.5a	-7	2	10	16	20	21
0.4a	-7	2	10	15	18	19
0.3a	-6	2	7	11	12	13
0.2a	-4	0	2	1	1	0
0.1a	-1	-4	-10	-16	-20	-21
BOT.	0	-13	-31	-44	-51	-53

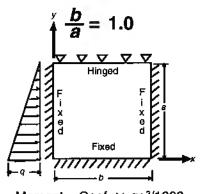
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	0	7	9	7	3	0
0.9a	0	7	8	6	3	0
0.8a	0	6	7	5	3	0
0.7a	0	5	5	4	2	0
0.6a	0	2	2	1	- 1	0
0.5a	0	0	1	1	1	0
0.4a	0	3	4	3	2	0
0.3a	0	6	7	5	3	0
0.2a	0	7	8	6	3	0
0.1a	0	6	6	4	2	0
вот.	0	0	0	0	0	0



	M_{v}	END	0.1b	0.2b	0.3b	0.4b	0.5b
	iiiy		0.9b	0.8b	0.7b	0.6b	
á	TOP	0	0	0	0	0	0
ı	0.9a	-9	-3	1	3	4	. 4
ı	0.8a	-18	-6	1	5	7	8
ı	0.7a	-25	-8	2	7	10	10
ı	0.6a	-31	-9	3	9	12	12
۱	0.5a	-33	-9	3	9	12	13
ı	0.4a	-32	-8	4	9	11	12
ı	0.3a	-27	-6	3	7	8	9
ı	0.2a	-18	-3	2	4	4	4
ı	0.1a	-6	-2	-1	-1	-2	-2
	BOT.	0	-2	-5	-7	-9	-9

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
νιχ	0.96	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	0	1	3	4	4
0.8a	-4	0	3	6	7	8
0.7a	-5	0	4	8	11	11
0.6a	-6	0	6	10	13	14
0.5a	-7	0	7	12	15	16
0.4a	-6	1	7	12	15	16
0.3a	-5	- 1	6	9	11	12
0.2a	-4	0	2	2	2	2
0.1a	-1	-3	-7	-11	-15	-16
вот.	0	-9	-25	-36	-43	-45

M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	i
TOP	0	6	7	6	3	0
0.9a	0	6	7	6	3	0
0.8a	0	5	6	5	3	0
0.7a	0	4	5	4	2	0
0.6a	0	2	2	2	1	0
0.5a	0	0		1	0	0
0.4a	0	2	3	3	2	0
0.3a	0	5	6	5	3	Ö
0.2a	0	6	7	6	3	0
0.1a	0	6.	6	4	2	0
BOT.	O	0	0	0	0	0

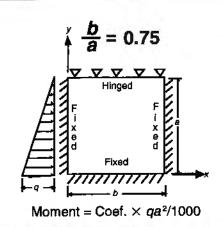


Moment =	Coef.	X	ga ² /1	000
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My	END	0.1b	0.2b	0.3b	0.4b	0.5b
IAIA		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-8	-3	0	2	3	3
0.8a	-15	-6	0	4	6	7
0.7a	-21	-8	1	6	9	9
0.6a	-26	-9	1	7	10	11
0.5a	-29	-10	1	8	11	12:
0.4a	-28	-9	2	8	11	12
0.3a	-25	-7	2	7	9	9
0.2a	-17	-4	2	4	5	5
0.1a	-6	-2	0	0	0	0
BOT.	0	-1	-4	5	-7	-7

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	0	1	1	2	2
0.8a	-3	-1	1	3	4	4
0.7a	-4	-1	2	4	6	7
0.6a	-5	-1	3	6	8	9
0.5a	-6	-1	4	7	10,	11
0.4a	-6	0	4.	8	11	11
0.3a	-5	0	4	7	9	10
0.2a	-3	0	2	3	4	4
0.1a	-1	2	-4	<i>-</i> 7	-9	-9
BOT.	0	-6	-18	-27	-33	-35

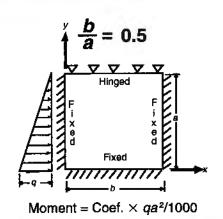
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6ь	
TOP	0	4	- 5	4	3	0
0.9a	0	4	5	4	2	0
0.8a	0	4	5	4	2	0
0.7a	0	3	4	3	2	0
0.6a	0	2	2	2	1	0
0.5a	0	1	0	Ō	0	0
0.4a	0	1	2	2	1	0
0.3a	0	3	4	4	2	0
0.2a	0	5	6	5	3	0
0.1a	0	5	- 5	4	2	0
BOT.	0	0	0	0	0	0



	M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
	IVIy	150	0.9b	0.8b	0.7b	0.6b	
I	TOP	0	0	0	0	0	0
ı	0.9a	-5	-2	0	1	2	2
1	0.8a	-9	-4	0	3	4	5
	0.7a	-14	-6	0	4	6	7
	0.6a	-18	-7	0	5	8	8
1	0.5a	-20	-8	0	6	9	10
	0.4a	-22	-8	1	6	9	10
ı	0.3a	-20	-7	1	6	8	9
ľ	0.2a	-15	-5	- 1	4	5	6
ľ	0.1a	-6	-2	0	1	1	-1
ı	POT	0	-11	-2	-3	-4	-5

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
IALX		0.9b	0.9b 0.8b (0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-1	0	0	0	1	1
0.8a	-2	-1	0	1	1	2
0.7a	-3	-1	0	2	2	3
0.6a	-4	-1	1	2	3	4
0.5a	-4	-1	1	3	5	5
0.4a	-4	-1	2	4	6	6
0.3a	-4	-1	2	5	6	7
0.2a	-3	0	2	3	4	5
0.1a	-1	-1	-1	-2	-3	-3
BOT.	0	-4	-11	-17	-21	-23

B.A	END	0.1b	0.2b	0.3b	0.4b	0.5b
M _{xy}		0.9b	0.8b	0.7b	0.6b	
TOP	0	2	3	2	1	C
0.9a	0	2	3	2	1	0
0.8a	0	2	3	2	1	Ċ
0.7a	0	2	2	2	1	- 0
0.6a	0	1	2	1	1	- (
0.5a	0	1	1	1	0	(
0.4a	0	0	0	1	0	
0.3a	0	2	2	2	1	-
0.2a	0	3	4	3	2	C
0.1a	0	3	4	3	2	(
вот.	0	0	0	0	0	0



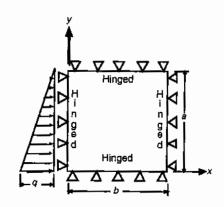
٠,	My	END	0.1b	0.2b	0.3b	0.4b	0.5b
١. '		(C-1)	0.9b	0.8b	0.7b	0.6b	
7	TOP	0	0	0	0	0	0
0).9a	-2	-1	0	1	1	- 1
0).8a	-4	-2	0	1	2	2
0).7a	-6	-3	0	2	3	3
0).6a	-8	-4	0	2	4	4
0).5a	-10	-5	0	3	5	5
0).4a	-12	-5	0	3	5	6
0).3a	-12	-5	0	3	5	6
0).2a	-11	-4	0	3	4	5
0).1a	-5	-2	0	1	2	2
В	OT.	0	0	-1	-2	-2	-2

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVEX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	0	0	0	0	0
0.8a	-1	0	0	0	0	0
0.7a	-1	-1	0	0	1	1
0.6a	-2	-1	0	1	1	1
0.5a	-2	-1	0	1	1	1
0.4a	-2	-1	0	1	2	2
0.3a	-2	-1	1	2	3	3
0.2a	-2	0	1	2	3	3
0.1a	-1	0	0	0	0	0
BOT.	0	-2	-5	-9	-11	-11

	END	0.1b	0.2b	0.3b	0.4b	0.5b
M _{xy}		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	1	1	0	Ó
0.9a	0	- 1	1	1	0	0
0.8a	0	1	1	1	0	0
0.7a	0	- 1	1	1	0	0
0.6a	0	- 1	1	1	0	0
0.5a	0	1	1	1	0	0
0.4a	0	0	0	0	0	0
0.3a	0	0	0	0	0	0
0.2a	0	1	1	1	1	0
0.1a	0	2	2	2	1	0
BOT.	0	0	0	0	0	0

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{12(1-\mu^2)}$



Shear Coefficients, C_s

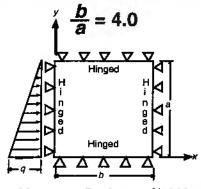
LOCATION b/a	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.33	0.33	0.32	0.32	0.31	0.29	0.27	0.25	0.21	0.15
Side edge — maximum	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.19	0.18	0.14
Side edge — midpoint	0.19	0.19	0.19	0.18	0.18	0.18	0.18	0.17	0.15	0.12
Top edge midpoint	0.17	0.16	0.16	0.15	0.14	0.13	0.11	0.09	0.06	0.03

Deflection Coefficients, C_d

Along Midheight (y = a/2)

X	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a		0.9b	0.8b	0.7b	0.6b	
4.0	0	3.50	5.30	6.10	6.30	6.40
3.0	0	2.80	4.60	5.50	6.00	6.10
2.5	0	2.30	4.00	5.10	5.60	5.70
2.0	0	1.90	3.30	4.30	4.90	5.10
1.75	0	1.60	2.90	3.80	4.40	4.50
1.5	0	1.30	2.40	3.20	3.70	3.90
1.25	0	1.00	1.90	2.50	2.90	3.00
1.0	0	0.70	1.20	1.70	1.90	2.00
0.75	0	0.30	0.60	0.90	1.00	1.00
0.5	0	0.10	0.20	0.30	0.30	0.30

b/a	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	0	2.10	4.00	5.40	6.20	6.40	6.00	5.00	3.60	1.90	0
3.0	0	2.00	3.80	5.20	5.90	6.10	5.70	4.80	3.40	1.80	0
2.5	0	1.90	3.60	4.90	5.60	5.70	5.40	4.50	3.20	1.70	0
2.0	0	1.70	3.20	4.30	4.90	5.10	4.70	3.90	2.80	1.50	0
1.75	0	1.60	2.90	3.90	4.40	4.50	4.20	3.50	2.50	1.30	0
1.5	0	1.30	2.50	3.30	3.80	3.90	3.60	3.00	2.10	1.10	0
1.25	0	1.10	2.00	2.60	3.00	3.00	2.80	2.30	1.60	0.80	0
1.0	0	0.80	1.40	1.80	2.00	2.00	1.90	1.50	1.10	0.60	0
0.75	0.	0.40	0.80	1.00	1.10	1.00	0.90	0.80	0.50	0.30	0
0.5	0	0.20	0.30	0.30	0.30	0.30	0.30	0.20	0.10	0.10	0

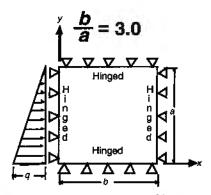


Moment = Co	of. \times $qa^2/$	1000
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M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy	1000	0.9b	0.8b	0.7b	0.6b	1.00
TOP	0	0	0	0	0	0
0.9a	0	5	5	4	4	3
0.8a	0	9	9	8	7	7
0.7a	0	13	12	11	10	10
0.6a	0	16	15	13	12	12
0.5a	0	18	17	14	13	13
0.4a	0	18	17	15	14	13
0.3a	0	17	15	14	13	12
0.2a	0	13	12	11	10	10
0.1a	0	8	7	6	6	6
вот.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
KAIX	20.00	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	9	13	15	16	16
0.8a	0	17	26	30	31	32
0.7a	0	24	37	42	44	45
0.6a	0	31	46	52	55	55
0.5a	0	35	52	59	61	62
0.4a	0	37	54	60	63	63
0.3a	0	36	51	56	58	59
0.2a	0	30	42	46	47	48
0.1a	0	19	25	27	28	28
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
141XA		0.9b	0.8b	0.7b	0.6b	
TOP	23	16	7	3	1	0
0.9a	22	15	7	3	1	0
0.8a	20	13	6	2	1	0
0.7a	16	10	4	2	1	0
0.6a	10	6	2	1	0	0
0.5a	3	1	0	0	0	0
0.4a	5	4	2	1	0	0
0.3a	13	9	4	2	1	0
0.2a	21	14	6	2	1	0
0.1a	27	17	7	3	1	0
BOT.	31	18	8	3	. 1	0

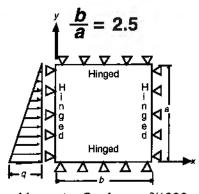


 $Moment = Coef. \times qa^2/1000$

M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
tary		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	4	- 5	4	4	4
0.8a	0	8	9	9	8	8
0.7a	0	12	13	12	11	11
0.6a	0	15	16	15	13	13
0.5a	0	17	18	16	15	14
0.4a	0	17	18	16	15	15
0.3a	0	16	17	15	14	13
0.2a	0	13	13	12	11	11
0.1a	0	8	8	7	6	6
BOT.	0	0	0	0	0	Ö

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
х		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	Ō	7	11	14	15	15
0.8a	0	13	22	27	29	30
0.7a	0	19	32	39	42	43
0.6a	0	24	40	48	52	53
0.5a	0	28	45	54	58	59
0.4a	0	30	47	56	60	61
0.3a	0	29	45	53	56	57
0.2a	0	25	37	43	45	46
0.1a	0	16	23	26	27	27
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
тиху		0.9b	0.8b	0.7b	0.6b	
TOP	23	18	11	6	2	0
0.9a	22	18	10	5	2	0
0.8a	20	15	9	5	2	0
0.7a	16	12	7	3	1	0
0.6a	10	7	4	2	1	0
0.5a	3	2	0	0	0	0
0.4a	5	5	3	2	1	0
0.3a	13	11	6	3	1	0
0.2a	21	16	9	5	2	0
0.1a	27	20	11	5	2	0
BOT.	31	21	12	6	2	0

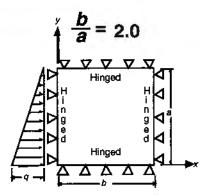


Moment = Co	ef. $ imes$ $qa^2/1000$)
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My	END	0.1b	0.2b	0.3b	0.4b	0.5b
- 1		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	4	5	5	4	4
0.8a	0	8	10	9	9	8
0.7a	0	11	14	13	12	12
0.6a	0	14	17	16	15	14
0.5a	0	16	18	18	16	16
0.4a	0	16	19	18	17	16
0.3a	0	15	17	16	15	15
0.2a	0	13	14	13	12	12
0.1a	0	7	8	7	7	7
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IA1X		0.9b	0.8b	0.7b	0.6b	
TOP	0	0.	0	0	0	0
0.9a	0	6	10	13	14	14
0.8a	0	11	20	25	27	28
0.7a	0	17	28	35	39	40
0.6a	0	21	35	44	48	50
0.5a	0	24	40	50	55	56
0.4a	0	26	42	52	56	58
0.3a	0	25	41	49	53	54
0.2a	0	22	34	40	43	44
0.1a	O O	14	21	24	26	26
BOT.	0	0	0	0	0	0

M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
илху		0.9b	0.8b	0.7b	0.6b	
TOP	23	19	13	7	3	Ō
0.9a	22	19	12	7	3,	0
0.8a	20	16	11	6	3	0
0.7a	16	13	8	5	2	0
0.6a	10	8	5	3	1	0
0.5a	3	2	1	0	0	0
0.4a	5	5	4	2	1	Ō
0.3a	13	11	8	4	2	0
0.2a	21	17	11	6	3	0
0.1a	27	21	13	7	3	0
BOT.	31	23	14	8	3	0

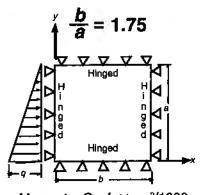


Moment = Coef. $\times qa^2/1000$

	Μ _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
	IVIy		0.9Ь	0.8b	0.7b	0.6b	
ſ	TOP	0	0	0	0	0	0
I	0.9a	0	4	5	5	5	5
ľ	0.8a	0	7	10	10	10	10
ľ	0.7a	0	10	14	14	14	14
	0.6a	Ō	13	17	17	17	17
	0.5a	0	14	19	19	19	18
I	0.4a	0	15	19	19	19	18
ľ	0.3a	0	14	17	17	17	17
ľ	0.2a	0	12	14	14	13	13
ľ	0.1a	0	7	8	8	8	8
	BOT.	0	0	0	0	0	. 0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b		
INIX		0.9b	0.8b	0.7b	0.6b			
TOP	0	0	0	0	0	0		
0.9a	0	5	8	11	12	13		
0.8a	0	9	16	21	24	25		
0.7a	0	13	23	30	34	35		
0.6a	0	17	30	38	43	44		
0.5a	0	20	34	43	48	50		
0.4a	0	21	36	45	50	52		
0.3a	0	21	35	43	48	49		
0.2a	0	18	30	36	40	41		
0.1a	0	12	19	22	24	25		
BOT.	0	0	0	0	0	0		

B.A	END	0.1b	0.2b	0.3b	0.4b	0.5b
M _{xy}		0.9b	0.8b	0.7b	0.6b	
TOP	23	20	15	9	4	0
0.9a	22	19	14	9	4	0
0.8a	19	17	12	8	4	0
0.7a	15	13	9	6	3	0
0.6a	10	8	6	3	2	0
0.5a	3	2	1	0	0	0
0.4a	4	4	4	3	1	0
0.3a	12	11	9	5	3	0
0.2a	20	18	13	8	4	0
0.1a	27	22	16	9	4	0
ВОТ.	30	24	17	10	5	0

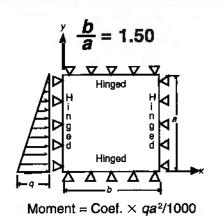


Moment =	Coef.	×	7a2/1	000
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My	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY	1	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	3	5	5	5	5
0.8a	0	7	10	10	11	11
0.7a	0	10	14	15	15	15
0.6a	0	12	17	18	18	18
0.5a	0	14	19	20	20	20
0.4a	0	14	19	20	20	20
0.3a	0	13	17	18	18	18
0.2a	0	11	14	14	14	14
0.1a	0	7	8	8	8	8
BOT.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
νχ		0.9b	0.8b	0.7b	0.6b	
TOP	0	Ö	0	0	0	0
0.9a	0	4	7	10	11	11
0.8a	0	8	14	19	21	22
0.7a	0	11	21	27	31	32
0.6a	0	15	26	34	38	40
0.5a	0	17	30	39	44	45
0.4a	0	18	32	41	46	48
0.3a	0	18	31	40	44	45
0.2a	0	16	27	33	37	38
0.1a	0	11	17	21	22	23
BOT.	Ö	0	0	0	0	0

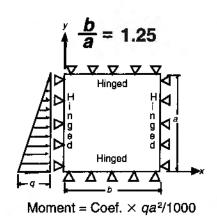
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху	0.9b	0.9b	0.8b	0.7b	0.6b	
TOP	22	20	15	10	5	0
0.9a	21	19	15	10	5	0
0.8a	19	17	13	8	4	0
0.7a	15	13	10	6	3	0
0.6a	10	8	6	4	2	0
0.5a	3	2	- 1	1	0	0
0.4a	4	4	4	3	1	0
0.3a	12	11	9	6	3	0
0.2a	20	18	13	8	4	0
0.1a	26	23	16	10	5	0
BOT.	30	25	17	11	5	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	3	5	6	6	6
0.8a	0	6	9	11	11	11
0.7a	. 0	9	13	15	16	16
0.6a	0	11	16	19	19	19
0.5a	0	13	18	20	21	21
0.4a	0	13	19	21	21	21
0.3a	0	13	17	19	19	19
0.2a	0	11	14	15	15	15
0.1a	0	6	8	9	9	9
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IAIX		0.9b	0.8b	0.7b	0.6b	, The
TOP	0	0	0	0	0	0
0.9a	0	3	6	8	9	10
0.8a	0	6	12	16	18	19
0.7a	0	9	17	23	26	27
0.6a	0	12	22	29	33	34
0.5a	0	14	25	33	38	39
0.4a	0	15	27	35	40	42
0.3a	0	16	27	35	39	40
0.2a	0	14	24	30	33	34
0.1a	0	10	15	19	20	21
BOT.	0	0	0	0	0	0

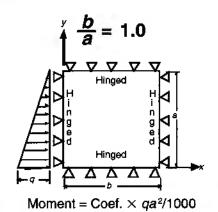
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · xy	476	0.9b	0.8b	0.7b	0.6b	
TOP	21	19	15	10	5	0
0.9a	20	18	14	10	5	0
0.8a	18	16	13	9	4	0
0.7a	14	13	10	7	3	0
0.6a	9	8	6	4	2	0
0.5a	3	3	2	1	0	0
0.4a	4	4	4	3	1	0
0.3a	11	11	9	6	3	0
0.2a	19	17	13	9	4	0
0.1a	25	22	17	11	5	0
BOT.	28	24	18	12	6	0



My	END	0.1b	0.2b	0.3b	0.4b	0.5b
IIIy	1 2 4	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	3	5	6	6	6
0.8a	0	6	9	11	12	12
0.7a	0	8	13	15	16	17
0.6a	0	10	16	19	20	20
0.5a	0	11	18	21	22	22
0.4a	0	12	18	21	22	22
0.3a	0	12	17	19	20	20
0.2a	0	10	14	15	16	16
0.1a	0	6	8	9	9	9
вот.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	2	5	6	7	7
0.8a	0	5.	9	12	14	14
0.7a	0	7	13	17	20	21
0.6a	0	9	17	22	26	27
0.5a	0	11	20	26	30	31
0.4a	0	12	22	29	33	34
0.3a	0	12	22	28	32	34
0.2a	0	11	20	25	28	29
0.1a	. 0	8	13	16	18	18
BOT.	0	0	0	0	0	0

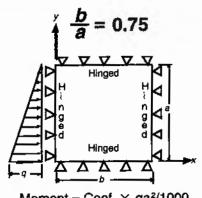
	M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
	тиху		0.9b	0.8b	0.7b	0.6b	
ſ	TOP	18	17	14	10	5	0
Ī	0.9a	18	17	13	9	5	0
ľ	0.8a	16	15	12	8	4	0
I	0.7a	13	12	9	6	3	0
I	0.6a	8	8	6	4	2	0
I	0.5a	3	3	2	1	0	0
I	0.4a	3	3	3	2	1,	0
I	0.3a	10	10	8	6	3	0
ſ	0.2a	17	16	13	9	4	0
ľ	0.1a	23	21	16	11	5	0
[BOT.	26	23	17	12	6	0
_				'			



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0,	0	0	0	0
0.9a	0	2	4	5	6	6
0.8a	0	5	8	10	11	11
0.7a	0	7	11	14	16	16
0.6a	0	9	14	18	19	20
0.5a	0	10	16	20	22	22
0.4a	0	10	17	20	22	22
0.3a	0	10	16	19	20	20
0.2a	0	9	13	15	16	16
0.1a	0	5	8	9	9	9
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	Ö
0.9a	0	2	3	4	5	5
0.8a	0	3	6	8	9	10
0.7a	0	5	9	12	14	14
0.6a	0	6	11	15	18	18
0.5a	0	8	14	18	21	22
0.4a	0	9	15	21	24	25
0.3a	0	9	16	21	24	25
0.2a	0	8	15	19	22	23
0.1a	0	6	10	13	14	15
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	15	14	11	8	4	0
0.9a	14	13	11	8	4	0
0.8a	13	12	10	7	4	0
0.7a	11	10	8	6	3	0
0.6a	7	7	5	. 4	2	0
0.5a	3	3	2	1	1	0
0.4a	2	2	2	2	1	0
0.3a	8	8	6	5	2	0
0.2a	14	13	11	. 8	4	0
0.1a	19	18	14	10	5	0
BOT.	22	20	16	11	5	Ō

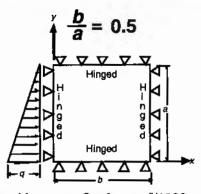


Moment = Coef.	×	qa2/1	000
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M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
iriy	0.00	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	2	3	4	5	5
0.8a	0	4	6	8	9	10
0.7a	0	5	9	12	13	14
0.6a	0	7	11	15	16	17
0.5a	0	8	13	17	19	19
0.4a	0	8	14	17	19	20
0.3a	0	8	13	16	18	19
0.2a	0	7	11	13	15	15
0.1a	0	4	7	8	8	9
BOT.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
IN1X		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	1	1	2	2	2
0.8a	0	2	3	4	5	5
0.7a	0	2	5	6	7	7
0.6a	0	3	6	8	9	10
0.5a	0	4	8	10	12	12
0.4a	0	5	9	12	14	15
0.3a	0	6	10	13	15	16
0.2a	0	5	10	13	15	15
0.1a	0	4	7	9	11	11
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
Xy		0.9b	0.8b	0.7b	0.6b	
TOP	9	9	7	5	3	0
0.9a	9	9	7	5	3	0
0.8a	9	8	7	5	2	- 0
0.7a	7	7	6	4	2	C
0.6a	5	5	4	3	1	
0.5a	3	2	2	1	1	0
0.4a	1	1	1	- 1	0	0
0.3a	5	5	4	3	2	0
0.2a	9	9	7	5	3	0
0.1a	14	13	11	7	4	C
BOT.	17	15	12	8	4	0



Moment = Coef. $\times qa^2/1000$

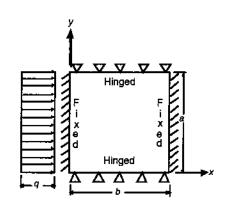
M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	1	2	2	3	3
0.8a	0	2	4	5	5	6
0.7a	0	3	5	7	8	8
0.6a	0	4	7	9	10	11
0.5a	0	5	8	11	12	12
0.4a	0	5	9	12	13	14
0.3a	0	5	9	11	13	13
0.2a	0	5	8	10	11	11
0.1a	0	3	5	6	7	7
вот.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
, and		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	0	0	1	1	1
0.8a	0	1	1	1	2	2
0.7a	0	1	2	2	2	3
0.6a	0	1	2	3	3	3
0.5a	0	2	3	4	4	5
0.4a	0	2	4	5	6	6
0.3a	0	2	4	6	7	7
0.2a	0	3	5	6	7	8
0.1a	0	2	4	5	6	6
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b	
IVIXY		0.9b	0.8b	0.7b	0.6b	100	
TÖP	4	4	3	2	1	0	
0.9a	4	4	3	2	1	0	
0.8a	4	3	3	2	1	0	
0.7a	3	3	3	2	1	0	
0.6a	3	3	2	2	1	0	
0.5a	2	2	1	1	1,	0	
0.4a	1	0	0	0	0	0	
0.3a	1	1	1	1	0	0	
0.2a	4	4	3	2	1	0	
0.1a	7	7	6	4	2	0	
BOT.	9	9	7	5	2	0	

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$



Shear Coefficients, C_s

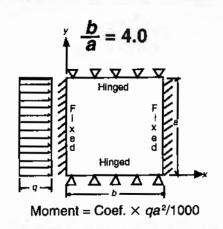
LOCATION b/a	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.50	0.48	0.47	0.43	0.40	0.36	0.31	0.24	0.18	0.12
Side edge — maximum	0.74	0.74	0.74	0.72	0.70	0.67	0.60	0.52	0.40	0.26
Side edge — midpoint	0.74	0.74	0.74	0.72	0.70	0.67	0.60	0.52	0.40	0.26
Top edge — midpoint	0.50	0.48	0.47	0.43	0.40	0.36	0.31	0.24	0.18	0.12

Deflection Coefficients, C_{σ}

Along Midheight (v = a/2)

	Along whethergite						
	х	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a			0.9b	d8.0	0.7b	0.6b	
4.0		0	4.60	9.30	11.60	12.40	12.70
3.0		. 0	3.10	7.20	9.90	11.30	11.70
2.5		0	2.40	5.90	8.50	10.00	10.50
2.0		0	1.60	4.30	6.60	8.00	8.40
1.75		0	1.20	3.40	5.30	6.60	7.00
1.5		0	0.90	2.50	4.00	5.00	5.30
1.25	"	0	0.50	1.60	2.60	3.30	3.50
1.0		0	0.30	0.80	1.40	1.80	1.90
0.75		0	0.10	0.30	0.50	0.70	0.70
0.5		0	0.00	0.10	0.10	0.20	0.20

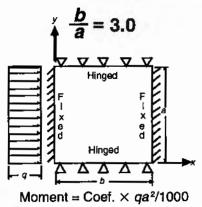
											1
b/a y	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
3.0	Ð	3.70	6.90	9.50	11.10	11.70	11.10	9.50	6.90	3.70	0
2.5	0	3.30	6.30	8.50	10.00	10.50	10.00	8.50	6.30	3.30	
2.0	0	2.70	5.00	6.90	8.00	8.40	8.00	6.90	5.00	2.70	0
1.75	0	2.20	4.20	5.70	6.70	7.00	6.70	5.70	4.20	2.20	0
1.5	0	1.70	3.20	4.40	5.10	5.30	5.10	4.40	3.20	1.70	0
1.25	0	1.20	2.20	2.90	3.40	3.50	3.40	2.90	2.20	1.20	0
1.0	0	0.70	1.20	1.60	1.80	1.90	1.80	1.60	1.20	0.70	0
0.75	0	0.30	0.50	0.60	0.70	0.70	0.70	0.60	0.50	0.30	0
0.5	0	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.10	0.10	C



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
resy		0.9b	0.8b	0.7b	0.6b	
TOP	0	Ö	0	0	0	0
0.9a	-45	7	12	11	10	10
0.8a	-80	12	21	19	18	17
0.7a	-105	15	28	25	23	22
0.6a	-120	17	32	29	27	26
0.5a	-125	18	34	31	28	27
0.4a	-120	17	32	29	27	26
0.3a	-105	15	28	25	23	22
0.2a	-80	12	21	19	18	17
0.1a	-45	7	12	11	10	10
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
х		Q.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-9	20	35	41	43	44
0.8a	-16	32	60	73	77	78
0.7a	-21	39	78	95	101	103
0.6a	-24	43	88	108	115	117
0.5a	-25	44	91	112	120	122
0.4a	-24	43	88	108	115	117
0.3a	-21	39	78	95	101	103
0.2a	-16	32	60	73	77	78
0.1a	-9	20	35	41	43	44
BOT.	0	0	0	0	0	0

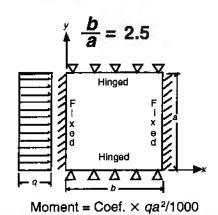
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
тетху		0.9b	0.8b	0.7b	0.6b	
TOP	0	37	21	9	3	0
0.9a	0	36	20	9	3	0
0.8a	0	30	17	7	2	0
0.7a	0	22	13	5	2	0
0.6a	0	12	7	3	1	0
0.5a	0	0	0	0	0	0
0.4a	0	12	7	3	1	0
0.3a	0	22	13	5	2	0
0.2a	0	30	17	7	2	0
0.1a	0	36	20	9	3	0
BOT.	0	37	21	9	3	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
···y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-45	2	11	12	11	- 11
0.8a	-80	3	20	21	20	19
0.7a	-105	3	26	28	27	26
0.6a	-120	3	30	32	31	30
0.5a	-125	3	31	34	32	31
0.4a	-120	3	30	32	31	30
0.3a	-105	3	26	28	27	26
0.2a	-80	3	20	21	20	19
0.1a	-45	2	11	12	11	11
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-9	14	28	36	40	41
0.8a	-16	21	48	64	71	73
0.7a	-21	25	62	83	93	96
0.6a	-24	27	69	94	106	109
0.5a	-25	28	72	97	110	114
0.4a	-24	27	69	94	106	109
0.3a	-21	25	62	83	93	96
0.2a	-16	21	48	64	71	73
0.1a	-9	14	28	36	40	41
BOT.	0	0	0	0	0	0

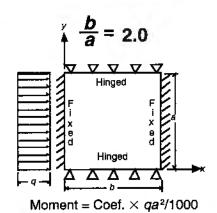
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	38	29	16	7	0
0.9a	0	36	28	16	7	0
0.8a	0	30	24	13	6	0
0.7a	0	22	17	10	4	0
0.6a	0	12	9	5	2	0
0.5a	0	0	0	0	0	0
0.4a	0	12	9	5	2	0
0.3a	0	22	17	10	4	0
0.2a	0	30	24	13	6	0
0.1a	0	36	28	16	7	0
BOT.	0	38	29	16	7	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
···y		0.9ხ	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-44	-1	10	12	12	12
0.8a	-79	-3	18	22	22	22
0.7a	-104	-5	23	29	29	29
0.6a	-118	-7	26	34	34	33
0.5a	-123	-8	27	35	35	35
0.4a	-118	-7	26	34	34	33
0.3a	-104	-5	23	29	29	29
0.2a	-79	-3	18	22	22	22
0.1a	-44	-1	10	12	12	12
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
x		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	O	0	0
0.9a	-9	10	24	32	37	38
0.8a	-16	15	40	56	65	67
0.7a	-21	18	51	72	84	87
0.6a	-24	18	56	82	95	99
0.5a	-25	19	58	85	99	103
0.4a	-24	18	56	82	95	99
0.3a	-21	18	51	72	84	87
0.2a	-16	15	40	56	65	67
0.1a	-9	10	24	32	37	38
BOT.	0	0	0	0	0	0

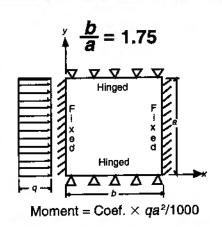
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	0	37	33	21	10	0
0.9a	0	35	31	20	9	0
0.8a	0	29	26	17	8	0
0.7a	0	21	19	12	6	0
0.6a	0	11	10	7	3	0
0.5a	0	0	0	0	0	0
0.4a	0	11	10	7	3	0
0.3a	0	21	19	12	6	0
0.2a	0	29	26	17	8	0
0.1a	0	35	31	20	9	0
BOT.	0	37	33	21	10	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
itty		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-43	-5	8	12	13	13
0.8a	-77	-10	14	22	24	24
0.7a	-100	-15	18	29	32	33
0.6a	-114	-19	20	33	37	38
0.5a	-119	-20	21	35	39	39
0.4a	-114	-19	20	33	37	38
0.3a	-100	-15	18	29	32	33
0.2a	-77	-10	14	22	24	24
0.1a	-43	-5	8	12	13	13
BOT.	0	0	0	0	0	0

M _x	END	0.15	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7ხ	0.6b	
TOP	0	0	0	0	0	0
0.9a	-9	7	19	27	31	32
0.8a	-15	9	30	45	53	56
0.7a	-20	10	37	57	69	72
0.6a	-23	9	41	64	77	82
0.5a	-24	9	42	66	80	85
0.4a	-23	9	41	64	77	82
0.3a	-20	10	37	57	69	72
0.2a	-15	9	30	45	53	56
0.1a	-9	7	19	27	31	32
BOT.	0	0	0	0	0	0

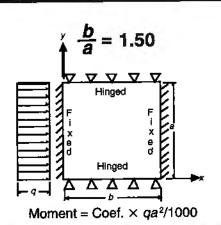
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	33	33	24	12	0
0.9a	0	31	32	23	11	0
0.8a	0	26	27	19	10	0
0.7a	0	18	19	14	7	0
0.6a	0	9	10	8	4	0
0.5a	0	0.	0	0	0	0
0.4a	0	9	10	8	4	0
0.3a	0	18	19	14	7	Ó
0.2a	0	26	27	19	10	0
0.1a	0	31	32	23	11	0
BOT.	0	33	33	24	12	0



8.4	END	0.1b	0.2b	0.3b	0.4b	0.5b
M _y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	01	0	0	0
0.9a	-42	-6	6	12	14	14
0.8a	-73	-13	11	21	25	25
0.7a	-96	-20	14	28	33	34
0.6a	-109	-24	15	32	38	39
0.5a	-114	-25	16	33	39	41
0.4a	-109	-24	15	32	38	39
0.3a	-96	-20	14	28	33	34
0.2a	-73	-13	11	21	25	25
0.1a	-42	-6	6	12	14	14
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-8	5	16	23	27	28
0.8a	-15	6	25	38	46	48
0.7a	-19	6	30	47	58	61
0.6a	-22	5	32	52	65	69
0.5a	-23	5	33	54	67	71
0.4a	-22	5	32	52	65	69
0.3a	-19	6	30	47	58	61
0.2a	-15	6	25	38	46	48
0.1a	-8	5	16	23	27	28
BOT.	0	0	0	0	0	0

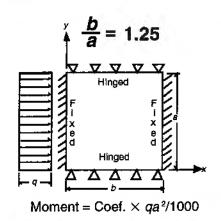
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · xy		0.9b	0.8b	0.7b	0.6b	
TOP	0	30	32	24	12	0
0.9a	0	28	30	23	12	0
0.8a	0	23	26	19	10	0
0.7a	0	16	18	14	7	0
0.6a	0	8	10	7	4	0
0.5a	0	0	0	0	0	0
0.4a	0	8	10	7	4	0
0.3a	0	16	18	14	7	0
0.2a	0	23	26	19	10	0
0.1a	O	28	30	23	12	0
BOT.	0	30	32	24	12	0



Μ _ν	END	0.1b	0.2b	0.3b	0.4b	0.5b
iriy	7	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	Ő
0.9a	-39	-8	5	11	13	14
0.8a	-68	-16	8	19	24	25
0.7a	-89	-23	10	25	32	34
0.6a	-101	-28	11	29	37	39
0.5a	-105	-29	11	30	39	41
0.4a	-101	-28	11	29	37	39
0.3a	-89	-23	10	25	32	34
0.2a	-68	-16	8	19	24	25
0.1a	-39	-8	5	11	13	14
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
x	x 0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0
0.9a	-8	3	12	19	22	23
0.8a	-14	3	19	30	37	39
0.7a	-18	2	22	36	46	49
0.6a	-20	1	23	40	50	54
0.5a	-21	1	23	41	52	55
0.4a	-20	1	23	40	50	54
0.3a	-18	2	22	36	46	49
0.2a	-14	3	19	30	37	39
0.1a	-8	3	12	19	22	23
BOT.	0	0	0	0	0	0

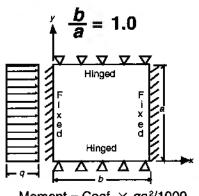
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	. 0	26	29	22	12	0
0.9a	0	24	27	21	11	0
0.8a	0	19	23	18	10	0
0.7a	0	13	16	13	7	0
0.6a	0	7	8	7	4	0
0.5a	0	0	0	0	0	0
0.4a	0	7	8	7	4	0
0.3a	0	13	16	13	7	0
0.2a	0	19	23	18	10	0
0.1a	0	24	27	21	11	0
BOT.	0	26	29	22	12	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · · y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	Ö	0	0
0.9a	-34	-8	3	9	12	13
0.8a	-60	-17	5	17	22	24
0.7a	-77	-24	6	22	30	32
0.6a	-87	-29	6	25	34	37
0.5a	-90	-30	6	26	35	38
0.4a	-87	-29	6	25	34	37
0.3a	-77	-24	6	22	30	32
0.2a	-60	-17	5	17	22	24
0.1a	-34	-8	3	9	12	13
BOT.	0	0	0	0	0	0

M _x	END	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
TOP	0	0	0	0	0	0
0.9a	-7	2	9	14	17	18
0.8a	-12	1	13	21	27	29
0.7a	-15	-1	14	25	32	34
0.6a	-17	-2	14	27	34	37
0.5a	-18	-2	14	27	35	38
0.4a	-17	-2	14	27	34	37
0.3a	-15	-1	14	25	32	34
0.2a	-12	1	13	21	27	29
0.1a	-7	2	9	14	17	18
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
міху		0.9b	0.8b	0.7b	0.6b	
TOP	0	20	23	19	10	0
0.9a	0	19	22	18	10	0
0.8a	0	15	18	15	8	0
0.7a	0	10	13	10	6	0
0.6a	0	5	6	5	3	0
0.5a	0	0	0	0	0	0
0.4a	0	5	6	5	3	0
0.3a	0	10	13	10	6	0
0.2a	0	15	18	15	8	0
0.1a	0	19	22	18	10	0
BOT.	0	20	23	19	10	Ő

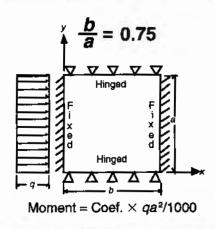


Moment =	Coef. ×	∶ <i>qa²/</i> 1000
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M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
···y	11127	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-28	-8	2	8	10	11
0.8a	-48	-16	3	13	19	20
0.7a	-60	-22	2	17	24	27
0.6a	-68	-25	2	19	28	30
0.5a	-70	-27	2	19	29	32
0.4a	-68	-25	2	19	28	30
0.3a	-60	-22	2	17	24	27
0.2a	-48	-16	3	13	19	20
0.1a	-28	-8	2	8	10	11
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
···X		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-6	1	6	10	12	13
0.8a	-10	-1	7	14	17	19
0.7a	-12	-2	7	15	19	21
0.6a	-14	-3	7	15	20	21
0.5a	-14	-3	6	15	20	22
0.4a	-14	-3	7	15	20	21
0.3a	-12	-2	7	15	19	21
0.2a	-10	-1	7	14	17	19
0.1a	-6	1	6	10	12	13
вот.	0	0	0	0	0	0

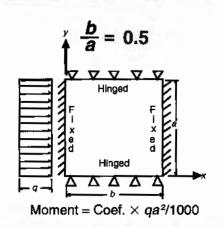
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ITIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	14	16	13	7	0
0.9a	0	12	15	13	7	C
0.8a	0	9	12	10	6	0
0.7a	0	6	8	7	4	. 0
0.6a	0	3	4	4	2	0
0.5a	0	0	0	0	0	0
0.4a	0	3	4	4	2	0
0.3a	0	6	8	7	4	0
0.2a	0	9	12	10	6	0
0.1a	0	12	15	13	7	0
BOT.	0	14	16	13	7	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
itiy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	Ö
0.9a	-20	-6	1	5	8	8
0.8a	-33	-12	1	9	13	15
0.7a	-40	-16	0	11	17	19
0.6a	-44	-18	0	12	19	21
0.5a	-45	-19	0	12	19	22
0.4a	-44	-18	0	12	19	21
0.3a	-40	-16	0	11	17	19
0.2a	-33	-12	1	9	13	15
0.1a	-20	-6	1	5	8	8
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-4	0	4	6	7	8
0.8a	-7	-1	3	7	9	10
0.7a	-8	-2	3	7	9	10
0.6a	-9	-3	2	6	8	9
0.5a	-9	-3	2	6	8	9
0.4a	-9	-3	2	6	8	9
0.3a	-8	-2	3	7	9	10
0.2a	-7	-1	3	7	9	10
0.1a	-4	0	4	6	7	8
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
жжу		0.9b	0.8b	0.7b	0.6b	
TOP	0	8	10	8	4	0
0.9a	0	7	8	7	4	0
0.8a	0	4	6	5	3	0
0.7a	0	3	4	3	2	0
0.6a	0	1	2	2	1	0
0.5a	0	0	0	0	0	0
0.4a	0	1	2	2	1	0
0.3a	0	3	4	3	2	0
0.2a	0	4	6	5	3	0
0.1a	0	7	8	7	4	0
BOT.	0	8	10	8	4	0



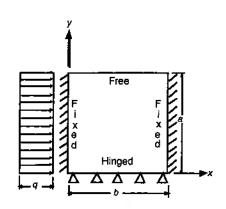
M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
***y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-12	-4	1	3	5	5
0.8a	-18	-7	0	5	7	8
0.7a	-20	-9	0	5	9	10
0.6a	-21	-9	-1	5	9	10
0.5a	-21	-10	-1	6	9	10
0.4a	-21	-9	-1	5	9	10
0.3a	-20	-9	0	5	9	10
0.2a	-18	-7	0	5	7	8
0.1a	-12	-4	1	3	5	5
BOT.	0	0	0	0'	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
	1.0	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	0	2	3	4	4
0.8a	-4	-1	1	3	4	4
0.7a	-4	-2	0	2	3	3
0.6a	-4	-2	0	2	2	3
0.5a	-4	-2	0	1	2	3
0.4a	-4	-2	0	2	2	3
0.3a	-4	-2	0	2	3	3
0.2a	-4	-1	1	3	4	4
0.1a	-2	0	2	3	4	4
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · xy		0.9b	0.8b	0.7b	0.6b	
TOP	0	4	4	3	2	0
0.9a	0	2	3	3	2	0
0.8a	0	1	2	2	1	0
0.7a	0	0	1	1	0	0
0.6a	0	0	0	0	0	0
0.5a	0	0	0	0	0	0
0.4a	0	0	0	0	0	0
0.3a	0	0	1	1	0	0
0.2a	0	1	2	2	1	0
0.1a	0	2	3	3	2	0
BOT.	0	4	4	3	2	0

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{12(1-\mu^2)}$



Shear Coefficients, C_s

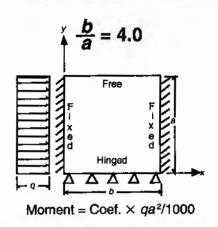
LOCATION b/s	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.68	0.61	0.52	0.45	0.40	0.35	0.30	0.24	0.18	0.12
Side edge — maximum	3.74	2.61	2.10	1.45	1.30	1.00	0.78	0.58	0.40	0.26
Side edge — midpoint	1.17	1.02	0.94	0.83	0.76	0.69	0.60	0.50	0.38	0.25

Deflection Coefficients, C_d

Along Midheight (y = a/2)

						.,
x	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a		0.9b	0.8b	0.7b	0.6b	•
4.0	0	29.90	84.90	134.90	167.90	179.30
3.0	0	12.40	36.50	59.60	75.40	80.90
2.5	0	7.00	20.80	34.50	43.90	47.20
2.0	0	3.40	10.20	17.10	21.90	23.60
1.75	0	2.20	6.60	11.00	14.20	15.30
1.5	0	1.30	3.90	6.60	8.50	9.20
1.25	0	0.70	2.10	3.50	4.60	4.90
1.0	0	0.30	0.90	1.60	2.10	2.30
0.75	0	0.10	0.30	0.60	0.70	0.80
0.5	0	0.00	0.10	0.10	0.10	0.20

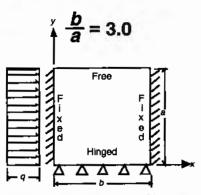
b/a	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	ТОР
4.0	0	36.90	73.50	109.50	144.80	179.30	213.00	246.10	278.70	311.00	343.40
3.0	0	17.10	33.80	50.20	65.80	80.90	95.40	109.30	122.80	136.30	149.80
2.5	0	10.20	20.20	29.70	38.70	47.20	55.20	62.80	70.10	77.20	84.50
2.0	0	5.30	10.40	15.20	19.60	23.60	27.20	30.50	33.60	36.70	39.80
1.75	0	3.60	7.00	10.10	12.90	15.30	17.50	19.40	21.20	22.90	24.70
1.5	0	2.30	4.40	6.20	7.80	9.20	10.30	11.30	12.20	13.00	13.90
1.25	0	1.30	2.50	3.50	4.30	4.90	5.40	5.80	6.20	6.50	6.90
1.0	0	0.70	1.20	1.70	2.00	2.30	2.40	2.50	2.60	2.70	2.80
0.75	0	0.30	0.50	0.60	0.70	0.80	0.80	0.80	0.80	0.80	0.90
0.5	0	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20



M _v	END	0.1b	0.2b	0.3b	0.46	0.5b
IVLy		0.9b	0.8b	0.7b	0.6b	
TOP	-885	-240	69	199	252	266
0.9a	-995	-225	64	186	235	248
0.8a	-845	-206	60	172	217	229
0.7a	-722	-186	56	157	197	207
0.6a	-616	-163	52	141	175	184
0.5a	-518	-137	46	122	151	159
0.4a	-422	-110	40	102	125	131
0.3a	-324	-82	32	79	97	102
0.2a	-223	-53	23	55	67	70
0.1a	-116	-26	12	28	34	36
BOT.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
IAIX		0.9b	0.8b	0.7b	0.6b	
TOP	-177	0	0	0	0	0
0.9a	-199	-26	11	28	36	38
0.8a	-169	-39	21	50	64	67
0.7a	-144	-40	29	66	83	88
0.6a	-123	-33	37	77	96	101
0.5a	-104	-22	42	81	101	106
0.4a	-84	-12	45	80	97	103
0.3a	-65	-2	43	72	86	90
0.2a	-45	4	36	56	67	70
0.1a	-23	6	22	33	38	40
BOT.	0	0	0	0	0	0

B.A	END	0.1b	0.2b	0.3b	0.4b	0.5b
M _{xy}		0.9b	0.8b	0.7b 0.6t	0.6b	
TOP	0	189	202	156	84	0
0.9a	0	178	197	155	83	0
0.8a	0	176	197	155	84	0
0.7a	0	179	200	157	85	0
0.6a	0	183	204	160	86	0
0.5a	0	187	210	164	88	0
0.4a	0	192	216	167	90	0
0.3a	0	196	221	171	91	0
0.2a	0	200	226	174	92	0
0.1a	0	203	228	175	93	- 0
BOT.	0	204	229	176	93	0

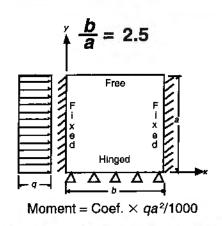


$Moment = Coef. \times qa^2/1000$

My	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVI		0.9b	0.8b	0.7b	0.6b	
TOP	-544	-209	28	149	206	223
0.9a	-660	-195	26	139	193	208
0.8a	-569	-179	25	130	179	193
0.7a	-496	-162	24	119	163	176
0.6a	-430	-142	24	107	146	157
0.5a	-368	-119	22	94	127	137
0.4a	-305	-95	20	79	106	114
0.3a	-239	-70	18	62	83	88
0.2a	-167	-46	13	43	57	61
0.1a	-88	-22	8	23	30	32
BOT.	0	0	0	0	0	0

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
***X		0.9b	0.8b	0.7b	0.6b	
TOP	-109	0	0	0	0	0
0.9a	-132	-24	6	21	28	31
0.8a	-114	-34	12	37	50	54
0.7a	-99	-33	18	49	66	71
0.6a	-86	-26	25	58	77	82
0.5a	-74	-17	30	63	81	87
0.4a	-61	-9	34	63	80	85
0.3a	-48	-1	34	58	71	76
0.2a	-33	4	30	47	56	59
0.1a	-18	5	19	28	33	34
BOT.	0	0	0	0	0	0

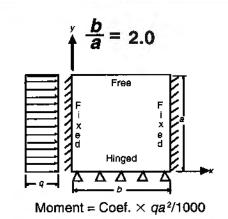
0.5b	0.4b	0.3b	0.2b	0.1b	END	M _{xy}
	0.6b	0.7b	0.8b	0.9b		IVIXY
0	51	92	116	101	0	TOP
0	50	90	110	92	0	0.9a
0	50	89	109	91	0	0.8a
0	51	92	112	94	0	0.7a
0	52	95	116	97	0	0.6a
0	54	99	122	101	0	0.5a
0	57	103	127	105	0	0.4a
0	59	107	133	110	0	0.3a
0	60	110	137	115	0	0.2a
0	61	112	140	118	0	0.1a
0	61	113	141	120	0	BOT.



B.A	END	0.1b	0.2b	0.3b	0.4b	0.5b
My		0.9b	0.8b	0.7b	0.6b	
TOP	-464	-178	12	118	172	188
0.9a	-496	-166	11	111	161	177
0.8a	-434	-153	11	104	150	164
0.7a	-384	-138	12	96	138	151
0.6a	-338	-122	13	87	124	136
0.5a	-293	-103	13	77	109	118
0.4a	-247	-82	13	65	91	99
0.3a	-195	-61	12	52	72	77
0.2a	-138	-40	10	37	50	54
0.1a	-73	-19	6	19	26	28
BOT.	0	0	0	0	0	Ö

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IAIX		0.9b	0.8b	0.7b	0.6b	
TOP	-93	0	0	0	0	0
0.9a	-99	-22	3	16	23	25
0.8a	-87	-29	7	29	41	44
0.7a	-77	-27	13	39	54	59
0,6a	-68	-21	19	47	63	68
0.5a	-59	-14	24	51	67	72
0.4a	-49	-8	28	52	67	72
0.3a	-39	-2	28	49	61	65
0.2a	-28	3	25	40	49	51
0.1a	-15	4	17	24	29	30
BOT.	0;	0	0	0	0	0

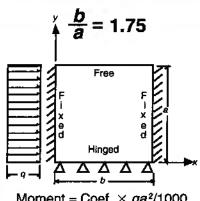
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	64	77	62	35	0
0.9a	0	56	71	59	33	C
0.8a	0	56	70	59	33	C
0.7a	0	58	72	61	34	C
0.6a	0	61	77	64	36	0
0.5a	0	65	82	68	38	0
0.4a	0	69	87	72	40	0
0.3a	0	74	92	76	42	0
0.2a	0	79	97	79	44	C
0.1a	0	83	100	81	45	0
вот.	0	85	101	82	45	0



1.6	END	0.1b	0.2b	0.3b	0.4b	0.5b
M_y		0.9b	0.8b	0.7b	0.6b	
TOP	-326	-137	0	84	130	144
0.9a	-340	-127	1	80	123	136
0.8a	-304	-118	2	75	115	128
0.7a	-274	-108	3	71	107	118
0.6a	-247	-96	5	65	97	107
0.5a	-219	-82	6	58	86	95
0.4a	-187	-66	7	50	73	80
0.3a	-151	-50	8	41	58	63
0.2a	-109	-32	7	29	41	44
0.1a	-59	-16	4	16	21	23
BOT.	0	0	0	0	0	0

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
HIX		0.9b	0.8b	0.7b	0.6b	
TOP	-65	0	0	0	0	0
0.9a	-68	-18	1	11	17	18
0.8a	-61	-23	4	20	29	32
0.7a	-55	-21	8	28	39	43
0.6a	-49	-16	12	34	46	51
0.5a	44	-11	17	38	51	55
0.4a	-37	-7	20	40	51	55
0.3a	-30	-2	22	38	48	51
0.2a	-22	2	20	32	39	42
0.1a	-12	3	14	20	24	25
BOT.	0	0	0	0	0	0

RA.	END	0.1b	0.2b	0.3b	0.4b	0.5b
M _{xy}		0.9b	0.8b	0.7b	0.6b	
TOP	0	34	43	36	20	0
0.9a	0	28	38	33	19	0
0.8a	0	29	37	32	18	0
0.7a	0	30	39	34	19	0
0.6a	0	32	42	37	21	0
0.5a	0	35	47	40	23	0
0.4a	0	39	52	44	25	0
0.3a	0	44	57	48	27	0
0.2a	0	49	61	51	28	0
0.1a	0	53	64	53	30	0
BOT.	0	55	66	54	30	0

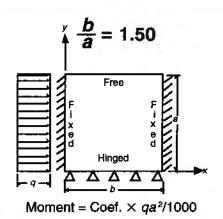


Moment = Coef. $\times qa^2/1000$

M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-221	-114	-3	67	107	119
0.9a	-267	-105	-2	64	101	113
0.8a	-242	-99	-1	61	95	106
0.7a	-221	-91	0	58	89	99
0.6a	-202	-81	2	54	82	91
0.5a	-182	-70	4	49	73	81
0.4a	-158	-57	5	43	63	69
0.3a	-129	-43	6	35	50	55
0.2a	-94	-29	6	25	36	39
0.1a	-51	-14	4	14	19	20
BOT.	0	0	0	0	0	0

M _x	END	0.15	0.2b	0.3b	0.4b	0.5b
IVIX		0.9b	0.8b	0.7b	0.6b	
TOP	-44	0	0	0	0	0
0.9a	-53	-16	0	9	13	15
0.8a	-48	-19	2	16	23	26
0.7a	-44	-17	5	21	31	34
0.6a	-40	-14	9	27	37	41
0.5a	-36	-10	13	31	41	45
0.4a	-32	-6	16	33	43	46
0.3a	-26	-2	18	32	41	43
0.2a	-19	1	17	28	34	36
0.1a	-10	3	12	18	21	22
вот.	0	0	0	0	0	0

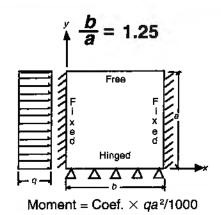
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	0	22	30	25	14	0
0.9a	0	17	25	22	13	0
0.8a	0	18	24	21	12	0
0.7a	0	19	25	22	13	0
0.6a	0	21	28	25	14	0
0.5a	0	24	32	28	16	0
0.4a	0	27	37	32	18	0
0.3a	0	32	42	36	20	0
0.2a	0	37	46	39	22	0
0.1a	0	41	49	41	23	Ő
BOT.	0	42	51	42	23	0



M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVI	To	0.9b	0.8b	0.7b	0.6b	
TOP	-182	-89	-5	51	83	93
0.9a	-200	-83	-4	49	79	89
0.8a	-184	-78	-3	47	75	84
0.7a	-171	-73	-2	45	71	79
0.6a	-159	-66	0	42	66	74
0.5a	-145	-58	2	39	60	66
0.4a	-128	-48	3	35	52	57
0.3a	-106	-37	4	29	42	46
0.2a	-79	-25	4	21	30	33
0.1a	-44	-12	3	12	16	18
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIX		0.9b	0.8b	0.7b	0.6b	
TOP	-37	0	0	0	0	0
0.9a	-40	-13	0	6	10	- 11
0.8a	-37	-16	1	11	17	19
0.7a	-34	-14	3	15	23	26
0.6a	-32	-11	6	20	28	31
0.5a	-29	-9	9	23	31	34
0.4a	-26	-6	12	25	33	36
0.3a	-21	-3	14	26	33	35
0.2a	-16	Ó	13	23	28	30
0.1a	-9	2	10	15	18	19,
вот.	0	0	0	0	0	0

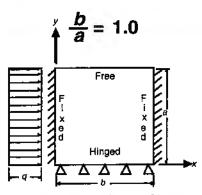
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
***Xy	5-14	0.9b	0.8b	0.7b	0.6b	
TOP	0	13	19	16	9	0
0.9a	0	9	14	13	8	0
0.8a	0	10	14	12	7	0
0.7a	0	11	15	13	8	0
0.6a	0	12	17	15	9	0
0.5a	0	14	20	18	10	0
0.4a	0	18	24	21	12	0
0.3a	0	21	29	25	14	0
0.2a	0	26	33	28	16	Ö
0.1a	0	30	36	30	17	0
вот.	0	31	37	31	17	0



M_{v}	END	0.16	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-124	-64	-5	36	60	68
0.9a	-139	-60	-4	34	57	65
0.8a	-131	-57	-3	34	55	62
0.7a	-124	-54	-2	33	53	59
0.6a	-118	-50	-1	31	50	56
0.5a	-110	-45	0	29	46	51
0.4a	-99	-39	2	27	41	45
0.3a	-84	-30	3	23	34	37
0.2a	-63	-21	3	17	25	27
0.1a	-36	-10	3	10	13	15
вот.	0	0	0	0	0	0

Mx	END	0.16	0.2b	0.3b	0.4b	0.5b
мх		0.9b	0.8b	0. 7 b	0.6b	l
TOP	-25	0	0	0;	0	0
0.9a	-28	-10	-1	4	7	7
0.8a	-26	-12	0	7	11	13
0.7a	-25	-11	1	10	15	17
0.6a	-24	-9	3	13	19	21
0.5a	-22	-7	6	16	22	24
0.4a	-20	-5	8	18	24	26
0.3a	-17	-3	9	19	24.	26
0.2a	-13	-1	10	17	22	23
0.1a	-7	1	8	12	15	15
BOT.	0	0	0	. 0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	7	11	9	5	0
0.9a	0	4	7	7	4	0
0.8a	0	5	6	6	3	0
0.7a	0	5	7	6	4	0
0.6a	0	6	8	8	5	Õ
0.5a	0	7	11	10	6	0
0.4a	0	10	14	13	7	0
0.3a	0	13	18	16	9	0
0.2a	0	17	22	18	10	0
0.1a	0	20	25	21	11	0
BÖT.	0	22	26	21	12	0
	<u> </u>				<u>'</u>	

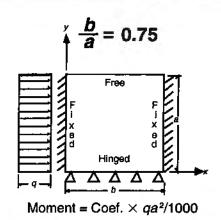


Moment = Coef. $\times qa^2/1000$

M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-77	-42	-4	23	39	44
0.9a	-88	-39	-3	22	37	42
0.8a	-84	-38	-3	22	36	41
0.7a	-82	-37	-2	21	35	40
0.6a	-80	-35	-2	21	34	39
0.5a	-76	-32	-1	20	32	36
0.4a	-70	-29	0	19	30	33
0.3a	-61	-23	1	17	25	28
0.2a	-48	-17	2	13	19	21
0.1a	-28	-8	2	8	11	12
BOT.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
X		0.9b	0.8b	0.7b	0.6b	
TOP	-16	0	0	0	0	0
0.9a	-18	-7	-1	2	4	5
0.8a	-17	-8	-1	4	7	8
0.7a	-16	-7	0	6	9	10
0.6a	-16	-7	1	7	11	12
0.5a	-15	-6	3	9	13	14
0.4a	-14	-4	4	11	15	16
0.3a	-12	-3	6	12	16	17
0.2a	-10	-1	6	12	15	16
0.1a	-6	1	6	9	11	12
BOT.	0	0	0	0	0	0

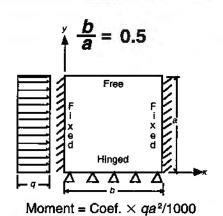
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	3	6	5	3	0
0.9a	0	2	3	3	2	0
0.8a	0	2	2	2	1	0
0.7a	0	2	2	2	1	0
0.6a	0	2	3	3	2	0
0.5a	0	3	5	4	3	0
0.4a	0	5	7	6	. 4	0
0.3a	_ 0	7	9	8	5	Ō
0.2a	0	10	13	11	6	. 0
0.1a	0	12	15	13	7	0
вот.	0	14	17	14	8	0



М.	M _v END	0.1b	0.2b	0.3b	0.4b	0.5b
у	, and 1	0.9b	0.8b	0.7b	0.6b	
TOP	-43	-23	-2	13	22	25
0.9a	-49	-22	-2	12	21	24
0.8a	-47	-22	-2	12	21	23
0.7a	-47	-21	-2	12	20	23
0.6a	-46	-21	-2	12	20	23
0.5a	-46	-20	-1	12	20	22
0.4a	-44	-19	-1	12	19	21
0.3a	-40	-16	0	11	17	19
0.2a	-33	-12	1	9	13	15
0.1a	-20	-6	1	5	8	8
BOT.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
, wax		0.9b	0.8b	0.7b	0.6b	
TOP	-9	0	0	0	0	0
0.9a	-10	-4	-1	1	2	3
0.8a	-9	-4	-1	2	3	4
0.7a	-9	-4	0	3	4	5
0.6a	-9	-4	0	3	5	6
0.5a	-9	-4	1	4	6	7
0.4a	-9	-3	1	5	7	8
0.3a	-8	-8 -2 2	6	9	9	
0.2a	-7	-1	3	7	9	10
0.1a	-4	0	3	6	7	8
BOT.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ту		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	3	2	1	0
0.9a	0	1	1	1	1	0
0.8a	0	0	0	0	0	0
0.7a	0	. 0	0	0.	0	0
0.6a	0	Ō	1	1	0	0
0.5a	0	1	1	1	1	0
0.4a	0	1	2	2	1	0
0.3a	0	3	4	3	2	0
0.2a	0	4	6	5	3	0
0.1a	0	6	8	7	4	0
BOT.	0	8	9	8	4	0



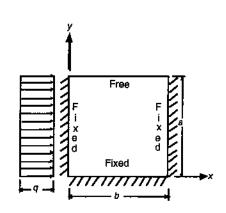
M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
ıvıy		0.9b	0.8b	0.7b	0.6b	
TOP	-19	-10		6	10	- 11
0.9a	-21	-10	-1	5	9	10
0.8a	-21	-10	-1	5	9	10
0.7a	-21	-10	-1	5	9	10
0.6a	-21	-10	-1	5	9	10
0.5a	-21	-10	-1	5	9	10
0.4a	-21	-9	-1	5	9	10
0.3a	-20	-9	0	5	9	10
0.2a	-18	-7	0	5	7	8
0.1a	-12	-4	1	3	5	5
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
X		0.9b	0.8b	0.7b	0.6b	
TOP	-4	0	0	0	0	0
0.9a	-4	-2	0	1	1	1
0.8a	-4	-2	0	1	2	2
0.7a	-4	-2	0	1	2	2
0.6a	-4	-2	0	1	2	2
0.5a	-4	-2	0	1	2	2
0.4a	-4	-2	0	1	2	3
0.3a	-4	-2	0	2	3	3
0.2a	-4	-1	1.	3	4	4
0.1a	-2	0	2	3	4	4
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	1	1	1	1	0
0.9a	0	0	0	0	0	0
0.8a	0	0	0	0	0	0
0.7a	0	0	0	0	0	0
0.6a	0	0	0	0	0	Ó
0.5a	0	0	0	0	0	0
0.4a	0	0	0	0	0	0
0.3a	0	0	1	1	0	0
0.2a	0	1.	2	2	1	0
0.1a	0	2	3	3	2	0
BOT.	0	4	4	3	2	0

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{12(1-\mu^2)}$



Shear Coefficients, C_s

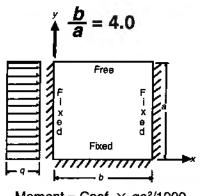
LOCATION 6/8	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	1.03	1.01	0.95	0.85	0.75	0.66	0.56	0.45	0.33	0.22
Side edge — maximum	1.68	1.59	1.47	1.26	1.12	0.95	0.77	0.58	0.40	0.25
Side edge — midpoint	0.45	0.47	0.50	0.53	0.54	0.54	0.51	0.46	0.37	0.25

Deflection Coefficients, C_d

Along Midheight (y = a/2)

X	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a	1000	0.9b	0.8b	0.7b	0.6b	200
4.0	0	8.00	20.20	29.30	34.30	35.80
3.0	0	4.80	13.30	20.80	25.40	27.00
2.5	0	3.30	9.50	15.30	19.10	20.40
2.0	0	2.00	5.80	9.60	12.20	13.10
1.75	0	1.40	4.20	6.90	8.90	9.50
1.5	0	0.90	2.80	4.60	5.90	6.40
1.25	0	0.50	1.60	2.70	3.50	3.80
1.0	0	0.30	0.80	1.40	1.80	1.90
0.75	0	0.10	0.30	0.50	0.70	0.70
0.5	0	0.00	0.10	0.10	0.10	0.20

b/a	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	0,	2.00	7.40	15.20	24.90	35.80	47.50	59.60	71.80	84.20	96.50
3.0	0	1.60	5.80	11.80	19.00	27.00	35.30	43.70	52.20	60.60	69.00
2.5	0	1,30	4.60	9.20	14.60	20.40	26.40	32.40	38.30	44.10	50.00
2.0	0	0.90	3.10	6.20	9.60	13.10	16.60	20.00	23.20	26.40	29.60
1.75	0	0.70	2.40	4.60	7.10	9.50	11.90	14.10	16.20	18.20	20.30
1.5	0	0.50	1.70	3.20	4.80	6.40	7.80	9.00	10.20	11.30	12.40
1.25	0	0.40	1.10	2.10	3.00	3.80	4.50	5.10	5.60	6.00	6.60
1.0	0	0.20	0.70	1.10	1.60	1.90	2.10	2.30	2.50	2.60	2.80
0.75	0	0.10	0.30	0.50	0.60	0.70	0.80	0.80	0.80	0.80	0.90
0.5	0	0.00	0.10	0.10	0.20	0.20	0.20	0.20	0.20	0.20	0.20

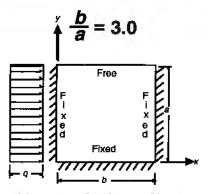


Moment = Coef.	×	qa²/1000
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M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
iviy		0.9b	0.8b	0.7b	0.6b	
TOP	-404	-45	50	64	58	54
0.9a	-386	-41	46	58	52	48
0.8a	-312	-36	41	50	44	40
0.7a	-253	-32	34	40	33	30
0.5a	-201	-26	26	29	21	18
0.5a	-152	-22	17	15	7	4
0.4a	-106	-18	5	0	-8	-11
0.3a	-63	-15	-7	-17	-25	-28
0.2a	-28	-14	-22	-35	-44	-47
0.1a	-4	-16	-37	-54	-63	-66
BOT.	0	-21	-53	-73	-83	-87

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIX		0.9b	0.8Ъ	0.7b	0.6b	
TOP	-81	0	Ö	0	0	0
0.9a	-77	-6	7	9	8	7
0.8a	-62	-10	7	8	5	4
0.7a	-51	-12	1	-2	-8	-10
0.6a	-40	-13	-10	-21	-31	-35
0.5a	-30	-17	-29	-49	-65	-71
0.4a	-21	-25	-55	-88	-111	-119
0.3a	-13	-37	-90	-138	-168	-178
0.2a	-6	-54	-135	-200	-238	-250
0.1a	-1	-76	-192	-276	-321	-335
BOT.	0	-105	-263	-366	-417	-433

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	0	82	76	52	25	0
0.9a	0	78	75	52	25	0
0.8a	0	78	75	52	25	0
0.7a	0	78	74	51	25	0
0.6a	0	78	73	49	24	0
0.5a	0	75	70	46	22	0
0.4a	0	70	65	42	19.	0
0.3a	0	61	56	35	16	0
0.2a	0	48	43	26	12	0
0.1a	0	29	25	14	6	0
BOT.	0	0	0	0	0	0

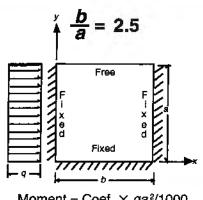


Moment = Coef. $\times qa^2/1000$

M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-379	-83	33	75	87	89
0.9a	-360	-76	30	68	79	80
0.8a	-294	-68	27	60	69	70
0.7a	-241	-59	23	51	57	58
0.6a	-193	-49	18	40	43	43
0.5a	-148	-38	12	27	28	27
0.4a	-105	-28	5	12	11	10
0.3a	-64	-20	-3	-3	-7	-9
0.2a	-28	-14	-13	-20	-27	-29
0.1a	-5	-12	-24	-38	-47	-50
вот.	0	-13	-37	-56	-67	-70

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
ranx	(12.1)	0.9b	0.8b	0.7b	0.6b	
TOP	-76	0	0	0	0	0
0.9a	-72	-11	5	11	13	14
0.8a	-59	-15	6	15	18	18
0.7a	-48	-15	4	11	13	12
0.6a	-39	-13	-2	0	-2	-3
0.5a	-30	-13	-12	-19	-26	-29
0.4a	-21	-16	-29	-47	-62	-67
0.3a	-13	-23	-53	-86	-109	-117
0.2a	-6	-33	-86	-136	-169	-180
0.1a	-1	-47	-128	-199	-243	-258
BOT.	0	-64	-183	-278	-333	-351

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · xy		0.9Ъ	0.8b	0.7b	0.6b	
TOP	0	68	70	53	28	0
0.9a	0	63	68	52	28	0
0.8a	0	63	68	53	28	0
0.7a	0	64	69	53	28	0
0.6a	0	63	69	53	28	0
0.5a	0	62	68	51	27	Ö
0.4a	0	58	64	48	25	Ö
0.3a	0.	52	57	41	21	0
0.2a	0	41	44	32	16	0
0.1a	0	25	26	18	9	0
ВОТ.	0	0	0	0	0	0

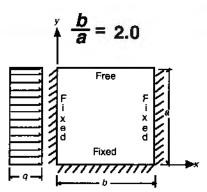


Moment = Coef.	×	qa²/1000
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M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-334	-96	20	74	96	102
0.9a	-325	-88	19	68	88	93
0.8a	-269	-79	17	61	78	82
0.7a	-224	-68	15	52	66	70
0.6a	-182	-56	12	42	53	56
0.5a	-142	-44	9	31	38	39
0.4a	-102	-32	4	18	21	22
0.3a	-64	-22	-2	4	3	3
0.2a	-29	-14	-9	-12	-16	-17
0.1a	-5	-9	-18	-28	-35	-37
BOT.	0	-9	-28	-44	-54	-57

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
х		0.9b	0.8ხ	0.7b	0.6b	
TOP	-67	0	0	0	0	O
0.9a	-65	-13	4	12	15	16
0.8a	-54	-17	6	17	22	24
0.7a	-45	-15	6	17	22	23
0.6ä	-36	-12	3	10	13	13
0.5a	-28	-11	-4	-3	-5	-6
0.4a	-20	-12	-15	-24	-32	-35
0.3a	-13	-15	-33	-54	-70	-76
0.2a	-6	-23	-59	-95	-121	-130
0.1a	-1	-34	-93	-149	-186	-199
BOT.	0	-46	-139	-219	-269	-286

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IAIXA		0.9b	0.8b	0.7b	0.6b	
TOP	0	54	60	47	25	0
0.9a	0.	49	57	45	25	0
0.8a	0	49	57	46	25	0
0.7a	0	50	58	47	25	0
0.6a	0	51	59	47	26	0
0.5a	0	50	59	47	25	0
0.4a	0	48	57	45	24	0
0.3a	0	44	51	40	21	0
0.2a	0	36	41	32	17	0
0.1a	0	22	25	19	10	0
BOT.	0	0	0	0	0	0

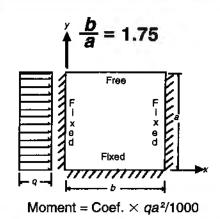


Moment = Coef. $\times qa^2/1000$

M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
INIA		0.9b	0.8b	0.7b	0.6b	
TOP	-275	-97	8	65	93	102
0.9a	-266	-88	7	60	86	94
0.8a	-226	-79	7	55	78	85
0.7a	-192	-69	7	48	68	74
0.6a	-161	-57	6	41	57	61
0.5a	-129	-45	5	32	44	47
0.4a	-96	-33	3	21	29	31
0.3a	-62	-22	0	10	13	13
0.2a	-30	-13	-5	-3	-4	-5
0.1a	-6	-7	-11	-17	-22	-23
BOT.	0	-6	-19	-31	-39	-41

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
x	0.9b 0.	0.8b	0.7b	0.6b		
TOP	-55	0	0	0	0	0
0.9a	-53	-14	2	10	14	16
0.8a	-45	-16	4	16	23	25
0.7a	-38	-14	6	19	26	28
0.6a	-32	-10	6	17	23	24
0.5a	-26	-8	4	10	13	14
0.4a	-19	-7	-3	-3	-4	-5
0.3a	-12	-9	-14	-24	-31	-34
0.2a	-6	-13	-33	-54	-70	-75
0.1a	-1	-21	-59	-97	-122	-131
вот.	0	-30	-96	-155	-193	-206

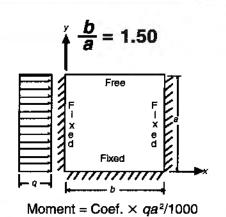
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ху		0.9b	0.8b	0.7b	0.6b	
TOP	0	36	42	34	19	0
0.9a	0	31	39	32	18	0
0.8a	0	32	39	32	18	0
0.7a	0	33	41	34	19	0
0.6a	0	34	43	35	20	0
0.5a	0	35	44	36	20	0
0.4a	0	35	44	36	20	0
0.3a	0	33	41	33	18	0
0.2a	0	28	34	27	15	0
0.1a	0	181	22	17	9	0
BOT.	0	0	Ö	0	0	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY		0.9b	0.8b	0.7b	0.6b	
TOP	-228	-90	3	57	85	94
0.9a	-226	-82	3	53	79	87
0.8a	-195	-74	3	49	72	79
0.7a	-170	-65	4	44	64	70
0.6a	-145	-54	4	37	55	60
0.5a	-119	-43	4	30	43	47
0.4a	-90	-32	3	22	30	33
0.3a	-60	-21	1	11	16	17
0.2a	-30	-12	-3	0	1	0
0.1a	-7	-6	-8	-12	-15	-17
BOT.	0	-5	-15	-24	-31	-33

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IAIX		0.9b	0.8b	0.7b	0.6b	
TOP	-46	0	0	0	0	0
0.9a	-45	-13	1	9	13	14
0.8a	-39	-15	3	15	21	23
0.7a	-34	-12	5	18	25	27
0.6a	-29	-9	7	18	24	26
0.5a	-24	-7	6	14	18	20
0.4a	-18	-5	2	5	6	6
0.3a	-12	-6	-7	-11	-15	-16
0.2a	-6	-9	-21	-35	-46	-50
0.1a	-1	-16	-43	-71	-91	-98
вот.	0	-23	-75	-122	-153	-164

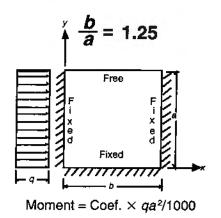
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
тчтху		0.9b	0.8b	0.7b	0.6b	
TOP	0	26	32	26	15	0
0.9a	0	22	28	24	14	0
0.8a	0	23	28	24	14	0
0.7a	0	24	30	26	14	Ō
0.6a	0	25	32	27	15	0
0.5a	0	27	34	29	16	0
0.4a	0	28	35	29	16	0
0.3a	0	27	34	28	16	0
0.2a	0	24	29	24	13	0
0.1a	0	16	19	15	8	0
BOT.	0	0	0	0	0	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	-176	-77	. 1	46	73	81
0.9a	-181	-70	-1	43	68	75
0.8a	-160	-65	0	41	63	70
0.7a	-142	-57	1	37	57	63
0.6a	-124	-49	2	33	49	54
0.5a	-105	-39	2	27	40	44
0.4a	-82	-29	2	21	30	33
0.3a	-56	-20	1	13	18	19
0.2a	-30	-11	-1	3	4	- 5
0.1a	-7	-5	-5	-8	-10	-10
BOT.	0	-3	-11	-18	-23	-25

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
awi X		0.9b	0.8b	0.7b	0.6b	
TOP	-35	0	0	0	0	0
0.9a	-36	-12	1	7	10	12
0.8a	-32	-13	2	12	17	19
0.7a	-28	-11	4	15	21	24
0.6a	-25	-8	6	16	23	25
0.5a	-21	-6	6	15	20	22
0.4a	-16	-4	4	10	12	13
0.3a	-11	-4	-1	-1	-2	-2
0.2a	-6	-6	-12	-20	-26	-28
0.1a	1	-11	-29	-49	-62	-67
BOT.	0	-17	-56	-92	-116	-124

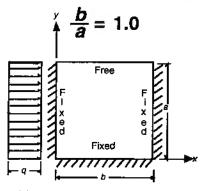
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	0	17	22	18	10	0
0.9a	0	13	18	16	9	0
0.8a	0	14	18	16	9	0
0.7a	0	15	20	17	10	0
0.6a	0	16	22	19	11	0
0.5a	0	18	24	21	12	0
0.4a	0	20	26	22	13	0
0.3a	0	21	26	22	12	0
0.2a	0	19	23	19	11	0
0.1a	0	13	16	13	7	0
вот.	0	0	0	0	0	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
y		0.9b	0.8b	0.7b	0.6b	
TOP	-124	-60	-3	35	56	63
0.9a	-133	-55	-3	33	53	59
0.8a	-121	-51	-2	31	50	56
0.7a	-111	-47	-1	29	46	51
0.6a	100 "	-41	0	27	41	46
0.5a	-87	-34	11	23	35	39
0.4a	-71	-26	2	18	27	30
0.3a	-51 ¦	-18	1	12	18	20
0.2a	-28	-10	0	5	7	8
0.1a	-8	-5	-3	-4	-5	-5
BÖT.	0	-2	-8	-13	-16	-17

M_{x}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-25	0	0	0	0	0
_ 0.9a	-27	-10	0	5!	81	8
0.8a	-24	-10	1	8	13	14
0.7a	-22	-9	3	11;	16	18
0.6a	-20	-7	4	13	18	20
0.5a	17	-5	6	13	18	20
0.4a	-14	-3	5	11	14	16
0.3a	-10	-3	2	5	6	6
0.2a	-6	-3	-5	-8	-10	-11
0.1a	-2	7	-18	-29	-38	-41
BOT.	0	-12	-40	-65	-82	-87

	END	0.45	0.05	0.01	2.41	
M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
-		0.9b	0.8b	0.7b	0.6b	
TOP	0	9	13	11	6	- 0
0.9a	0	7	9	9	5	Ō
0.8a	0	7	9	8	- 5	0
0.7a	0	8	11	9		. 0
0.6a	0	9	12	11	6	0
0.5a	0	11	15	13	8	0
0.4a	0	13	17	15	8	0
0.3a	0	14	18	16	9	Ö
0.2a	0	14	18	15	8	O
0.1a	_ 0	10	13	10	6	0
BOT.	0	0	0	0	0	0

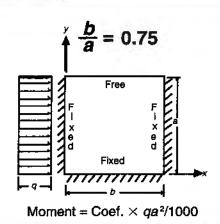


Moment =	Coef	×	na2/-	ממחז
	OUEI.	\sim	uar/	IUUU

M	.	END	0.1b	0.2b	0.3b	0.4b	0.5b
	У		0.9b	0.8b	0.7b	0.6b	
TC)P	-78	-41	-3	23	38	43
0.9	9a	-87	-38	-3	22	36	41
0.8	Ba	-82	-36	-2	21	35	39
0.7		-78	-34	-2	20	33	37
0.6		-73	-31	-1.	19	31	35
0.5	5a	-66	-27	0	18	27	31
0.2	4a	-56	-22	1	15	23	25
0.3	3a	-43	-16	1	11	16	18
0.2	2a	-26	-9	1	6	8	9
0.1		-8	4	-1	-1	-1	-1
BC	T.	0	-2	-5	-8	-11	-11

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	-16	0	0	0	0	0
0.9a	-17	-7		3	5	5
0.8a	-16	-7	0	5	8	9
0.7a	-16	-6	1	7	10	11
0.6a	-15	-5	2	8	12	13
0.5a	-13	-4	3	9	13	14
0.4a	-11	-3	4	9	12	13
0.3a	-9	-2	3	7	9	9
0.2a	-5	-2	0	0	-1	-1
0.1a	-2	-4	-9	-15	-19	-21
вот.	0	-8	-26	-42	-53	-56

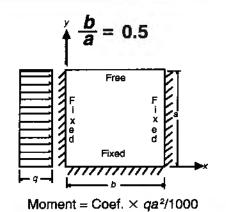
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	_ 0	4	6	6	3	0
0.9a	0	2	4	4	2	0
0.8a	0	2	3	3	2	0
0.7a	0	3	4	4	2	- 0
0.6a	0	4	5	5	3	0
0.5a	0	5	7.	6	4	0
0.4a	0	7	9	8	5	
0.3a	0	9	11	10	6	0
0.2a	0	9	12	10	6	0
0.1a	0	8	9	8	4	- 0
вот.	0	0	0	0	0	0



M_{ν}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY		0.9b	0.8Ъ	0.7b	0.6b	
TOP	-43	-23	-2	13	22	25
0.9a	-49	-22	-2	12	21	24
0.8a	-47	-22	-2	12	20	23
0.7a	-46	-21	-2	12	20	23
0.6a	-45	-20	-1	12	20	22
0.5a	-43	-18	-1	11	18	21
0.4a	-39	-16	0	10	16	18
0.3a	-32	-12	1	9	13	14
0.2a	-21	-8	1	5	8	9
0.1a	-8	-3	0	1	1	
BOT.	0	-1	-3	-5	-6	-6

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
awa X		0.9b	0.8b	0.7b	0.6b	
TOP	-9	0	0	0	0	0
0.9a	-10	-4	-1	1	2	3
0.8a	-9	-4	-1	2	4	4
0.7a	-9	-4	0	3	5	5
0.6a	-9	-4	1	4	6	7
0.5a	-9	-3	1	5	7	8
0.4a	-8	-3	2	5	8	8
0.3a	-6	-2	2	5	7	8
0.2a	-4	-1	1	3	4	4
0.1a	-2	-2	-3	-5	-7	-7
ВОТ.	0	-4	-14	-24	-30	-32

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
III XY		0.9Ъ	0.8b	0.7b	0.6b	
TOP	0	1	3	2	1	0
0.9a	0	1	1	1	1	0
0.8a	0	0	1	1	0	0
0.7a	0	0	1	1	0	0
0.6a	0	1	1.	1	1	0
0.5a	Ö	1	2	2	1	0
0.4a	0	2	4	3	2	0
0.3a	0	4	5	5	3	0
0.2a	0	5	7	6	3	0
0.1a	0	5	6	5	3	0
BOT.	0	0	0	0	0	0



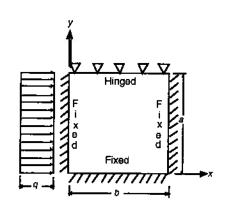
M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IViy		0.9b	0.8b	0.7b	0.6b	
TOP	-19	-10	-1	6	10	11
0.9a	-21	-10	-1	5	9	10
0.8a	-21	-10	-1	5	9	10
0.7a	-21	-10	-1	5	9	10
0.6a	-21	-10	301	5	9	10
0.5a	-21	-9	-1	5	9	10
0.4a	-20	-9	0	5	9	10
0.3a	-18	-8	0	5	8	9
0.2a	-14	-5	0	4	6	6
0.1a	-6	-2	0	- 1	2	2
BOT.	0	0	-1	-2	-3	-3

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
MIX		0.9b	0.8b	0.7b	0.6b	
TOP	-4	0	0	0	0	0
0.9a	-4	-2	0	1	1	1
0.8a	-4	-2	0	1	2	2
0.7a	-4	-2	0	1	2	2
0.6a	-4	-2	0	- 1	2	2
0.5a	-4	-2	0	1	2	3
0.4a	-4	-2	0	2	3	3
0.3a	-4	-1	1	2	3	4
0.2a	-3	-1	1	2	3	3
0.1a	-1	0	0	0	0	0.
BOT.	0	-2	-6	-11	-13	-14

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	d8.0	0.7b	0.6b	
TOP	0	1	1	1	1	0
0.9a	0	0	0	0	0	0
0.8a	0	0	0	0	0	0
0.7a	0	0	0	0	0	0
0.6a	0	0	0	0	0	0
0.5a	0	0	0	0	0	0
0.4a	0	0	1	1	0	0
0.3a	0	1	1	1	1	0
0.2a	0	2	2	2	1	0
0.1a	0	2	3	3	- 1	0
BOT.	0	0	0	0	0	0

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{12(1 - u^2)}$



Shear Coefficients, C_s

LOCATION b/a	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge — midpoint	0.62	0.62	0.63	0.62	0.61	0.58	0.53	0.45	0.34	0.22
Side edge — maximum	0.55	0.56	0.56	0.56	0.56	0.56	0.53	0.48	0.39	0.26
Side edge — midpoint	0.53	0.54	0.54	0.54	0.54	0.54	0.52	0.47	0.38	0.26
Top edge — midpoint	0.39	0.39	0.39	0.40	0.40	0.39	0.35	0.32	0.25	0.18

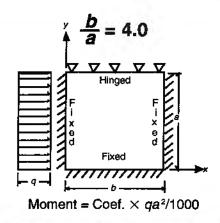
Deflection Coefficients, C_d

Along Midheight (y = a/2)

					•		
X	END	0.1b	0.2b	0.3b	0.4b	0.5b	
b/a		0.9b	0.8b	0.7b	0.6b		
4.0	0	2.50	4.40	5.10	5.20	5.20	
3.0	0	1.80	3.70	4.70	5.00	5.10	
2.5	0	1.40	3.20	4.30	4.80	5.00	
2.0	0	1.00	2.50	3.60	4.30	4.50	
1.75	0	08.0	2.10	3.20	3.80	4.10	
1.5	0	0.60	1.70	2.60	3.20	3.40	
1.25	0	0.40	1.20	1.90	2.40	2.60	
1.0	0	0.20	0.70	1.10	1.50	1.60	
0.75	0	0.10	0.30	0.50	0.60	0.70	
0.5	٥	0.00	0.10	0.10	0.10	0.20	

Along Midspan (x = b/2)

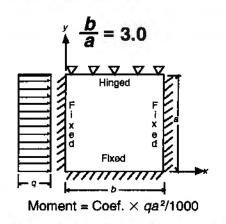
All the second							the format of the same	- 23			
b/a	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	9
3.0	0	0.50	1.70	3.10	4.30	5.10	5.30	4.80	3.70	2.00	
2.5	0	0.50	1.70	3.00	4.20	5.00	5,10	4.60	3.50	1.90	
2.0	0	0.50	1.50	2.80	3.80	4.50	4.60	4.20	3.20	1.70	(
1.75	0	0.40	1.40	2.50	3.50	4.10	4.20	3.80	2.90	1.60	
1.5	0	0.40	1.20	2,20	2.90	3.40	3.50	3.20	2.40	1.30	(
1.25	0	0.30	1.00	1.60	2.20	2.60	2.60	2.40	1.80	1.00	
1.0	0	0.20	0.60	1.10	1.40	1.60	1.60	1.40	1.10	0.60	(
0.75	0	0.10	0.30	0.50	0.60	0.70	0.70	0.60	0.50	0.30	(
0.5	0	0.00	0.10	0.10	0.20	0.20	0.20	0.20	0.10	0.10	(



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
itiy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-35	7	9	7	7	7
0.8a	-60	12	15	13	11	11
0.7a	-75	16	19	16	14	14
0.6a	-81	17	20	16	15	14
0.5a	-79	16	19	15	13	13
0.4a	-68	13	15	11	9	9
0.3a	-50	9	8	5	4	4
0.2a	-29	3	0	-3	-4	-4
0.1a	-8	-5	-11	-13	-13	-13
BOT.	0	-14	-22	-25	-25	-25

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
ITTX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-7	18	28	32	32	32
0.8a	-12	28	47	53	55	55
0.7a	-15	33	58	65	67	67
0.6a	-16	34	60	68	70	70
0.5a	-16	31	54	61	62	63
0.4a	-14	24	41	44	45	45
0.3a	-10	12	18	18	18	18
0.2a	-6	-6	-14	-19	-20	-20
0.1a	-2	-32	-57	-65	-67	-67
BOT.	0	-70	-112	-123	-125	-125

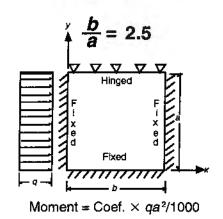
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVI XY	15.53	0.9b	0.8b	0.7b	0.6b	
TOP	0	22	9	2	0	0
0.9a	0	21	8	2	0	0
0.8a	0	16	6	2	0	0
0.7a	0	10	4	1,	0	0
0.6a	0	2	1	0	0	0
0.5a	0	5	2	1	0	0
0.4a	0	11	5	1	0	0
0.3a	0	15	6	2	0	0
0.2a	0	15	6	1	Ō	0
0.1a	0	11	4	1	0	0
BOT.	0	0	0	0	0	0



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
zwey.		0.9b	0.8b 0.7	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-35	4	9	8	7	7
0.8a	-60	7	16	14	13	12
0.7a	-75	8	20	18	16	15
0.6a	-81	8	21	19	17	16
0.5a	-79	8	20	18	15	14
0.4a	-68	7	17	14	11	10
0.3a	-50	5	10	7	5	5
0.2a	-29	1	2	-1	-3	-3
0.1a	-8	-4	-8	-12	-13	-13
BOT.	0	-10	-19	-23	-25	-25

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
•••Х		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-7	13	24	30	32	32
0.8a	-12	20	40	50	53	54
0.7a	-15	23	49	61	65	67
0.6a	-16	23	50	63	68	69
0.5a	-16	21	46	57	61	62
0.4a	-14	16	35	42	44	45
0.3a	-10	9	16	18	18	18
0.2a	-6	-4	-10	-16	-18	-19
0.1a	-2	-22	-48	-61	-65	-67
BOT.	0	-51	-97	-117	-123	-124

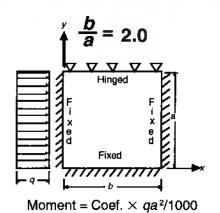
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
***XY		0.9b	0.8b	0.7b	0.6b	
TOP	0	25	15	7	2	0
0.9a	0	23	14	6	2	0
0.8a	0	18	11	5	2	0
0.7a	0	11	7	3	1	0
0.6a	0	2	1	0	0	0
0.5a	0	5	4	2	1	0
0.4a	0	12	8	4	1	0
0.3a	0	16	10	4	1	0
0.2a	0	17	10	4	1	0
0.1a	0	12	7	3	1	0
вот.	0	0	0	Ö	0	Ó



	M_{ν}	END	0.1b	0.2b	0.3Ь	0.4b	0.5b
	у		0.9b	0.8b	0.7b	0.6b	
1	TOP	0	0	0	Ö	0	0
۱	0.9a	-35	2	9	9	8	8
1	0.8a	-60	3	15	16	14	14
ı	0.7a	-75	2	19	20	18	17
ı	0.6a	-81	2	20	21	19	18
ı	0.5a	-79	1	19	20	17	16
ı	0.4a	-68	1	16	16	13	12
ı	0.3a	-50	1	10	9	7	6
ı	0.2a	-29	0	3	0	-2	-2
ı	0.1a	-8	-3	-7	-10	-12	-13
I	BOT.	0	-8	-17	-22	-24	-24

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
x		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-7	10	22	27	30	31
0.8a	-12	15	35	46	51	52
0.7a	-15	17	42	56	62	64
0.6a	-16	17	43	58	65	67
0.5a	-16	15	39	53	59	60
0.4a	-14	12	30	39	43	44
0.3a	-10	6	15	18	18	18
0.2a	-6	-3	-8	-13	-17	-18
0.1a	-2	-17	-40	-55	-62	-64
BOT.	0	-40	-86	-110	-119	-122

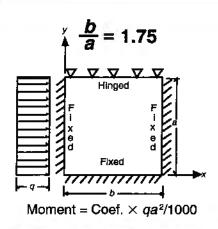
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
•		0.9b	0.8b	0.7b	0.6b	
TOP	0	25	19	10	4	0
0.9a	0	23	17	9	4	Ö
0.8a	0	18	14	7	3	0
0.7a	0	10	8	4.	2	0
0.6a	0	2	2	1	0	0
0.5a	0	5	4	3	1	0
0.4a	0	12	10	5	2	0
0.3a	0	16	13	7	3	0
0.2a	0	17	13	7	3	0
0.1a	0	13	9	4	2	0
BOT.	0	0	0	0	0	0



Μ _ν	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-35	-1	7	9	9	9
0.8a	-60	-3	13	16	17	16
0.7a	-75	-6	16	21	21	21
0.6a	-81	-7		23	23	22
0.5a	-78	-7	16	21	21	21
0.4a	-68	-6	14	18	17	16
0.3a	-50 i	-4	9	11	10	9
0.2a	-29	-3	3	2	1	0
0.1a	-8	-3	-5	-8	-10	-11
ВОТ.	0	-6	-14	-19	-22	-23

M_{\star}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	Ö	Ō	0
0.9a	-7	7	18	24	27	28
0.8a	-12	10	28	40	46	48
0.7a	-15	10	33	48	56	58
0.6a	-16	10	34	50	58	61
0.5a	-16	9	31	45	53	55
0.4a	-14	7	24	35	40	42
0.3a	-10	4	12	17	18	19
0.2a	-6	-2	-5	-10	-13	-14
0.1a	-2	-13	-32	-47	-55	-58
BOT.	0	-29	-70	-97	-111	-115

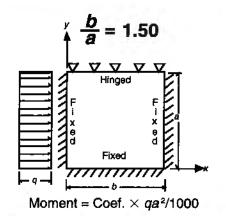
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
···xy		0.9b	0.8b	0.7b	0.6b	
TOP	0	24	22	14	7	0
0.9a	0	22	20	13	6	0
0.8a	0	17	16	10	5	0
0.7a	0	10	10	6	3	0
0.6a	0	2	2	1	1	0
0.5a	0	5	5	3	2	0
0.4a	0	11	11	7	4	0
0.3a	0	15	15	10	5	0
0.2a	0	16	15	10	4	0
0.1a	0	12	11	7	3	0
BOT.	0	0	0	0	0	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
iwiy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-34	-3	7	9	10	10
0.8a	-59	-7	11	17	18	18
0.7a	-74	-10	14	21	23	23
0.6a	-80	-12	14	23	25	25
0.5a	-78	-12	14	22	23	23
0.4a	-67	-10	12	18	19	19
0.3a	-50	-8	8	12	12	12
0.2a	-29	-5	3	3	3	2
0.1a	-8	-3	-4	-7	-9	-9
BOT.	0	-5	-12	-17	-20	-21

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-7	6	15	22	25	26
0.8a	-12	7	24	35	41	43
0.7a	-15	7	28	42	50	53
0.6a	-16	7	28	44	52	55
0.5a	-16	6	26	40	48	51
0.4a	-13	5	20	31	37	39
0.3a	-10	2	11	16	18	19
0.2a	-6	-2	-4	-7	-10	-11
0.1a	-2	-10	-27	-41	-49	-52
BOT.	0	-23	-60	-87	-102	-107

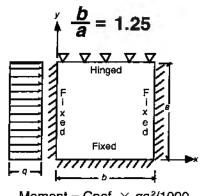
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
тиху		0.9b	0.8b	0.7b	0.6b	
TOP	0	23	22	15	8	0
0.9a	0	21	21	14	7	0
0.8a	0	16	16	11	6	0
0.7a	0	9	10	7	3	0
0.6a	0	2	2	2	1	0
0.5a	0	5	5	4	2	0
0.4a	0	11	11	8	4	0
0.3a	0	15	15	11	5	0
0.2a	0	16	16	11	5	0
0.1a	0	12	11	8	4	0
вот.	0	0	0	0	0	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIY		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-33	-5	5	9	11	11
0.8a	-57	-11	9	16	19	20
0.7a	-72	-15	10	21	24	25
0.6a	-78	-17	11	22	26	27
0.5a	-76	-17	10	22	25	26
0.4a	-66	-14	9	18	21	22
0.3a	-49	-11	6	12	14	14
0.2a	-28	-6	2	5	5	4
0.1a	-8	-4	-3	-5	-6	-7
BOT.	0	-4	-10	-15	-18	-19

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
· ···X		0.9b	0.8b	0.7b	0.6b	
TOP	Ō	0	0	0	0	0
0.9a	-7	4	13	18	22	23
0.8a	-11	4	19	29	35	37
0.7a	-14	4	21	35	42	45
0.6a	-16	3	22	36	44	47
0.5a	-15	3	20	33	41	43
0.4a	-13	2	16	26	32	34
0.3a	-10	1	9	14	17	18
0.2a	-6	-2	-2	-5	-7	-7
0.1a	-2	-8	-21	-33	-41	-44
BOT.	0	-18	-50	-75	-90	-95

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
III XY		0.9b	0.8b	0.7b	0.6b	
TOP	0	21	22	16	8	0
0.9a	0	19	20	15	8	0
0.8a	0	14	16	12	6	0
0.7a	0	8	10	7	4	0
0.6a	0	2	2	2	1	0
0.5a	0	4	5	4	2	0
0.4a	0	9	11	8	4	0
0.3a	0	13	15	11	6	0
0.2a	0	14	16	12	6	0
0.1a	0	11	12	8	4	0
BOT.	0	0	0	0	0	0

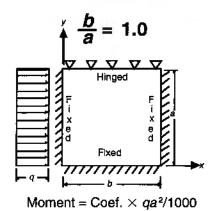


Moment = Coef.	\times	qa2/1000
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	M_{v}	END	0.1b	0.2b	0.3b	0.4b	0.5b	
	у		0.9b	0.8b	0.7b	0.6b		
ı	TOP	0	0	0	0	0	0	
ı	0.9a	-31	-7	4	9	11	11	
ı	0.8a	-53	-13	6	15	19	20	
	0.7a	-67	-18	7	19	25	26	
۱	0.6a	-72	-21	7	21	27	29	
ı	0.5a	-71	-21	7	20	26	28	
1	0.4a	-62	-18	6	17	22	24	
i	0.3a	-47	-13	4	12	16	16	
	0.2a	-28	-8	2	6	7	7	
	0.1a	-8	-4	-2	-3	-4)	-4	
۱	BOT.	0	-3	-8	-12	-15	-15	

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0,	0
0.9a	-6	2	10	14	17	18
0.8a	-11	2	13	22	27	29
0.7a	-13	1	15	25	32	34
0.6a	-14	0	15	26	33	36
0.5a	-14	0	14	24	31	33
0.4a	-12	0	11	20	26	27
0.3a	-9	0	7	12	15	16
0.2a	-6	-2	-1	-1	-2	-3
0.1a	-2	-6	-15	-24	-30	-32
BOT.	0	-13	-38	-59	-73	-77

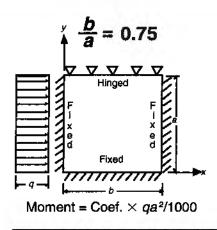
M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
-		0.9b	0.8b	0.7b	0.6b	
TOP	0	18	20	15	8	Ō
0.9a	0	16	18	14	- 8	0
0.8a	0	12	14	11	6	. 0
0.7a	0	7	9	7	4	0
0.6a	0	2	2	_ 2	1	0
0.5a	0	3	4	3	2	Ō
0.4a	0	8	9	7	4	Ō
0.3a	0	11	13	10	6	0
0.2a	0	12	14	11	- 6	0
0.fa	0	10	11	8	4	0
BOT.	0	0	0	0	0	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
···y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-27	-7	2	7	10	11
0.8a	-45	-14	3	13	17	19
0.7a	-56	-19	3	16	22	24
0.6a	-61	-22	3	17	24	27
0.5a	-60	-21	3	17	24	26
0.4a	-54	-19	3	15	21	23
0.3a	-42	-14	2	11	16	17
0.2a	-26	-8	1	6	8	9
0.1a	-8	-3	-1	-1	-1	-1
BOT.	0	-2	-5	-8	-10	-11

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	. 0	0	0	0	O	0
0.9a	-5	1	6	10	12	13
0.8a	-9	0	8	14	18	19
0.7a	-11	-1	8	16	20	22
0.6a	-12	-2	8	16	21	22
0.5a	-12	-2	7	15	20	21
0.4a	-11	-2	7	13	17	19
0.3a	-8	-1	5	9	12	13
0.2a	-5	-1	1	1	2	2
0.1a	-2	-4	-8	-14	-18	-19
BOT.	0	-8	-26	-41	-52	-55

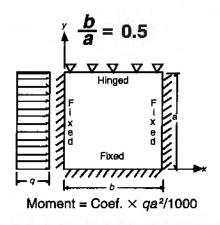
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	13	15	12	7	0
0.9a	0	12	14	11	6	0
0.8a	0	8	11	9	5	0
0.7a	0	5	6	5	3	0
0.6a	0	1	2	2	1	0:
0.5a	0	2	2	2	1	0
0.4a	0	5	6	5	3	0
0.3a	0	8	10	8	5	0
0.2a	0	9	11	9	5	0
0.1a	. 0	8	9	7	4	0
вот.	0	0	0	0	O]	0



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVI		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-20	-6	1.	5	8.	8
0.8a	-33	-12	1	9	13	14
0.7a	-39	-16	1	11	16	18
0.6a	-42	-17	0	12	18	20
0.5a	-42	-17	0	11	18	20
0.4a	-39	-16	0	11	16	18
0.3a	-32	-12	1	9	13	14
0.2a	-21	-8	1	5	8	9
0.1a	-8	-3	0	1	1	1
вот.	0	-1	-3	-5	-6	-6

M_{x}	END	0.1b	0.2b	0.3b	0.4b	0.5b	
INIX		0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	Ó	
0.9a	-4	0	4	6	8	8	
0.8a	-7	-1	4	7	10	11	
0.7a	-8	-2	3	7	10	11	
0.6a	-8	-3	2	7	9	10	
0.5a	-8	-3	2	6	9	10	
0.4a	-8	-2	3	6	9	10.	
0.3a	-6	-2	3	6	8	8	
0.2a	-4	-1	1	3	4	4	
0.1a	-2	-2	-3	-5	-7	-7	
BOT.	0	-4	-15	-24	-30	-32	

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
тчеху		0.9b	0.8b	0.7b	0.6b	
TOP	0	8	9	8	4	0
0.9a	0	7	8	7	4	0
0.8a	0	4	6	5	3	0
0.7a	Ō	2	3	3	2	0
0.6a	Ō	1	1	1	1	0
0.5a	0	1	1	1	1	0
0.4a	0	2	3	3	2	0
0.3a	0	4	5	4	3	0
0.2a	0	5	7	6	3	0
0.1a	0	5	6	5	3.	0
BOT.	0	0	0	0	0	0



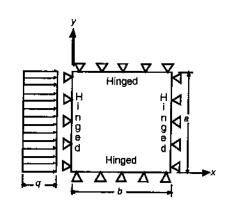
My	END	0.1b	0.2b	0.3b	0.4b	0.5b	
IVIY		0.9b	0.8b	0.7b	0.6b	100	
TOP	0	0	0	0	0	0	
0.9a	-12	-4	1	3	5	5	
0.8a	-18	-7	0	5	7	8	
0.7a	-20	-9	0	5	9	10	
0.6a	-21	-9	-1	- 5	9	10	
0.5a	-21	-9	-1	5	9	10	
0.4a	-20	-9	0	5	9	10	
0.3a	-18	-8	0	5	8	9	
0.2a	-14	-6	0	4	6	6	
0.1a	-6	-2	0	1	2	2	
BOT.	0	0	-1	-2	-3	-3	

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	-2	0	2	3	4	4.
0.8a	-4	-1	1	3	4	4
0.7a	-4	-2	0	2	3	3
0.6a	-4	-2	0	2	3	3
0.5a	-4	-2	0	2	2	3
0.4a	-4	-2	0	2	3	3
0.3a	-4	-1	1	2	3	4
0.2a	-3	-1	1	2	3	3
0.1a	-1	0	0	0	0	0
BOT.	0	-2	-6	-11	-13	-14

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	4	4	3	2	0
0.9a	0	2	3	3	2	0
0.8a	0	1	2	2	1	0
0.7a	0	0	1	1	0	0
0.6a	0	0	0	0	0	0
0.5a	0	0	0	0	0	0
0.4a	0	0	1	1	0	0
0.3a	0	1	1	1	1	0
0.2a	0	2	2	2	1	0
0.1a	0	2	3	3	1	Ō
BOT.	0	0	0	0	0	0

Shear =
$$C_s \times q \times a$$

Deflection = $\frac{C_d q a^4}{1000 D}$
 $D = \frac{Et^3}{12(1-\mu^2)}$



Shear Coefficients, C_s

LOCATION b/a	4.0	3.0	2.5	2.0	1.75	1.5	1.25	1.0	0.75	0.5
Bottom edge midpoint	0.50	0.49	0.48	0.46	0.45	0.42	0.39	0.34	0.27	0.18
Side edge — maximum	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.34	0.30	0.23
Side edge — midpoint	0.37	0.37	0.37	0.37	0.37	0.36	0.36	0.34	0.30	0.23
Top edge — midpoint	0.50	0.49	0.48	0.46	0.45	0.42	0.39	0.34	0.27	0.18

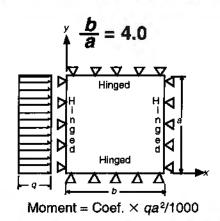
Deflection Coefficients, C_a

Along Midheight (v = a/2)

	Along Midnergitt							
X	END	0.1b	0.2b	0.3b	0.4b	0.5b		
b/a		0.9b	0.8b	0.7b	0.6b			
4.0	0	7.00	10.60	12.10	12.70	12.80		
3.0	0	5.50	9.10	11.10	12.00	12.20		
2.5	0,	4.70	8.10	10.10	11.20	11.50		
2.0	0	3.80	6.70	8.70	9.80	10.10		
1.75	0	3.20	5.80	7.70	8.70	9.10		
1.5	0	2.60	4.90	6.50	7.40	7.70		
1.25	0	2.00	3.70	5.00	5.80	6.00		
1.0	0	1.30	2.50	3.30	3.90	4.10		
0.75	0	0.70	1.30	1.70	2.00	2.10		
0.5	0	0.20	0.40	0.50	0.60	0.60		

Along Midspan (x = b/2)

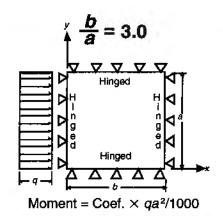
b/a y	вот.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0. 9 a	TOP
4.0	0	4.00	7.60	10.40	12.20	12.80	12.20	10.40	7.60	4.00	0
3.0	0	3.80	7.30	9.90	11.60	12.20	11.60	9.90	7.30	3.80	0
2.5	0	3.60	6.80	9.40	10.90	11.50	10.90	9.40	6.80	3.60	0
2.0	G	3.20	6.00	8.20	9.60	10.10	9.60	8.20	6.00	3.20	0
1.75	0	2.90	5.40	7.40	8.70	9.10	8.70	7.40	5.40	2.90	0
1.5	0	2.50	4.60	6.30	7.40	7.70	7.40	6.30	4.60	2.50	
1.25	0	1.90	3.60	4.90	5.70	6.00	5.70	4.90	3.60	1.90	
1.0	0	1.30	2.50	3.30	3.90	4.10	3.90	3.30	2.50	1.30	0
0.75	0	0.70	1.30	1.70	2.00	2.10	2.00	1.70	1.30	0.70	0
0.5	0	0.20	0.40	0.50	0.60	0.60	0.60	0.50	0.40	0.20	



M,	END	0.1b	0.2b	0.3b	0.4b	0.5b
iviy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	Ó
0.9a	0	13	12	10	10	9
0.8a	0	23	21	18	17	17
0.7a	Ó	30	28	24	22	22
0.6a	0	34	32	28	26	25
0.5a	0	36	33	29	27	26
0.4a	0	34	32	28	26	25
0.3a	0	30	28	24	22	22
0.2a	0	23	21	18	17	17
0.1a	0	13	12	10	10	9
вот.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
aniX		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	Ö	0
0.9a	0	28	39	43	44	44
0.8a	0	47	68	76	78	79
0.7a	0	60	88	99	103	104
0.6a	0	68	100	113	117	118
0.5a	0	70	104	117	122	123
0.4a	0	68	100	113	117	118
0.3a	0	60	88	99	103	104
0.2a	0	47	68	76	78	79
0.1a	0	28	39	43	44	44
BOT.	0	0	0	0	0	0

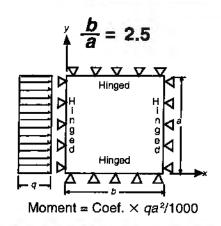
M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIXY		0.9b	0.8b	0.7b	0.6b	
TOP	54	34	15	6	2	0
0.9a	50	32	14	5	2	0
0.8a	41	27	12	5	1	0
0.7a	29	20	9	3	- 1	0
0.6a	15	11	5	2	1	0
0.5a	0	0	0	0	0	0
0.4a	15	11	5	2	1	0
0.3a	29	20	9	3	1	0
0.2a	41	27	12	5	1	0
0.1a	50	32	14	5	2	0
BOJ.	54	34	15	6	2	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
IVIy		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	12	12	11	10	10
0.8a	0	22	23	20	19	18
0.7a	0	28	30	27	25	24
0.6a	0	32	34	31	29	28
0.5a	0	34	36	33	30	29
0.4a	0	32	34	31	29	28
0.3a	0	28	30	27	25	24
0.2a	0	22	23	20	19	18
0.1a	0	12	12	11	10	10
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b		
		0.9	0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0		
0.9a	0	23	34	40	42	43		
0.8a	Ō	39	60	70	75	76		
0.7a	0	49	77	91	98	100		
0.6a	0	54	87	104	112	114		
0.5a	0	56	90	108	116	118		
0.4a	0	54	87	104	112	114		
0.3a	0	49	77	91	98	100		
0.2a	0	39	60	70	75	76		
0.1a	0	23	34	40	42	43		
BOT.	0	0	0	0	0	0		

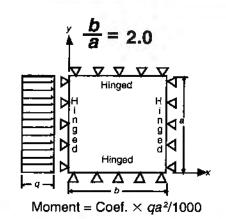
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ITTXY		0.9b	0.8b	0.7b	0.6b	
TOP	54	40	23	11	5	0
0.9a	50	38	22	. 11	4	0
0.8a	41	32	18	9	4	0
0.7a	29	23	13	7	3	0
0.6a	15	12	7	4	1	0
0.5a	0	0	0	0	0	0
0.4a	15	12	7	4	1	ō
0.3a	29	23	13	7	3	Ō
0.2a	41	32	18	9	4	Ö
0.1a	50	38	22	- 11	4	0
BOT.	54	40	23	11	5	0



M_{v}	END	0.1b	0.2b	0.3b	0.4b	0.5b
···y	12.00	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	11	13	12	11	11
0.8a	0	20	23	22	21	20
0.7a	0	27	31	29	27	27
0.6a	0	30	35	34	31	31
0.5a	0	32	37	35	33	32
0.4a	0	30	35	34	31	31
0.3a	0	27	31	29	27	27
0.2a	0	20	23	22	21	20
0.1a	0	11	13	12	11	- 11
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	20	31	37	40	41
0.8a	0	34	54	65	71	72
0.7a	0	42	69	84	92	94
0.6a	0	47	78	96	105	108
0.5a	0	48	81	100	109	112
0.4a	0	47	78	96	105	108
0.3a	0	42	69	84	92	94
0.2a	0	34	54	65	71	72
0.1a	0	20	31	37	40	41
BOT.	0	0	0	0	0	0

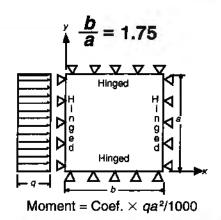
M_{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
тетху		0.9b	0.8b	0.7b	0.6b	
TOP	54	42	27	15	7	0
0.9a	50	40	26	14	6	0
0.8a	41	34	22	12	5	0
0.7a	29	24	16	9	4	0
0.6a	15	13	9	5	2	0
0.5a	0	0	0	0	0	0
0.4a	15	13	9	5	2	0
0.3a	29	24	16	9	4	0
0.2a	41	34	22	12	5.	0
0.1a	50	40	26	14	6	0
вот.	54	42	27	15	7	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
y		0.9Ь	d8.0	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	11	13	13	13	13
0.8a	0	19	23	24	23	23
0.7a	0	24	31	32	31	30
0.6a	0	28	36	37	36	35
0.5a	0	29	37	38	37	37
0.4a	0	28	36	37	36	35
0.3a	0	24	31	32	31	30
0.2a	0	19	23	24	23	23
0.1a	0	11	13	13	13	13
ВОТ.	0	0	0	0	0	0

M_{x}	END	0.1b	0.2b	0.3b	0.4b	0.5b
اجريا		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	17	27	33	36	37
0.8a	0	28	46	57	63	65
0.7a	0	34	58	74	82	85
0.6a	0	38	66	83	93	96
0.5a	0	39	68	86	97	100
0.4a	0	38	66	83	93	96
0.3a	0	34	58	74	82	85
0.2a	0	28	46	57	63	65
0.1a	_ 0	17	27	33	36	37
BOT.	0	0	0	0	0	0

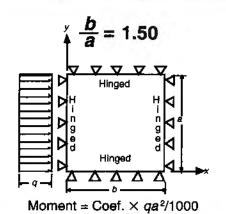
M _{xv}	END	0.1b	0.2b	0.3b	0.45	0.5b
····xy		0.9b	0.8b	0.7b	0.6b	
TOP	53	44	31	19	9	0
0.9a	49	42	30	18	9	0
0.8a	40	35	25	16	7	0
0.7a	28	25	18	11	5	0
0.6a	15	13	10	6	3	0
0.5a	0	0	0	0	0	0
0.4a	15	13	10	6	3	0
0.3a	28	25	18	11	5	0
0.2a	40	35	25	16	7	0
0.1a	49	42	30	18	9	- 0
BOT.	53	44	31	19	9.	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
у		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	10	13	14	14	14
0.8a	0	18	23	25	25	25
0.7a	0	23	31	33	33	33
0.6a	0	26	36	38	38	38
0.5a	0	27	37	40	40	40
0.4a	0	26	36	38	38	38
0.3a	0	23	31	33	33	33
0.2a	0	18	23	25	25	25
0.1a	0	10	13	14	14	14
BOT.	0	0	0	0	0	0

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	15	24	30	33	34
0.8a	0	24	41	52	58.	60
0.7a	0	30	52	66	75	77
0.6a	Ö	33	58	75	84	87
0.5a	0	34	60	77	87	91
0.4a	0	33	58	75	84	87
0.3a	0	30	52	66.	75	77
0.2a	0	24	41	52	58,	60
0.1a	0	15	24	30	33	34
BOT.	0	0	0	0	0	0

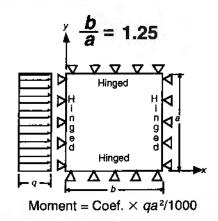
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
TOP	51	44	33	21	10	0
0.9a	48	42	31	20	10	0
0.8a	39	35	26	17	8	0
0.7a	27	25	19	12	6	0
0.6a	14	13	10	7	3	0
0.5a	0	0	0	0	0	Ö
0.4a	14	13	10	7	3	Ō
0.3a	27	25	19	12	6	Ō
0.2a	39	35	26	17	8	0
0.1a	48	42	31	20	10	0
BOT.	51	44	33	21	10	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
iviy	100	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	10	13	14	14	14
0.8a	0	17	23	26	26	26
0.7a	0	21	31	34	35	35
0.6a	0	24	35	39	40	41
0.5a	0	25	37	41	42	43
0.4a	0	24	35	39	40	41
0.3a	0	21	31	34	35	35
0.2a	0	17	23	26	26	26
0.1a	0	10	13	14	14	14
вот.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
	0.9b	0.8b	0.7b	0.6b		
TOP	0	0	0	0	0	0
0.9a	0	13	21	27	30	31
0.8a	0	20	35	45	51	53
0.7a	0	25	44	57	65	67
0.6a	0	27	49	64	73	76
0.5a	0	28	50	66	75	78
0.4a	0	27	49	64	73	76
0.3a	0	25	44	57	65	67
0.2a	0	20	35	45	51	53
0.1a	0	13	21	27	30	31
BOT.	0	0	0	0	0	0

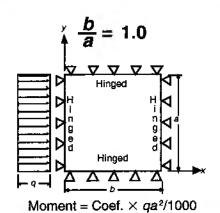
M _{xv}	END	0.1b	0.2b	0.3b	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	49	43	33	22	11	0
0.9a	45	41	31	21	10	0
0.8a	37	34	26	18	9	0
0.7a	26	24	19	13	6	0
0.6a	14	13	10	7	3	0
0.5a	0	0	0	0	0	0
0.4a	14	13	10	7	3	0
0.3a	26	24	19	13	6	0
0.2a	37	34	26	18	9	0
0.1a	45	41	31	21	10	0
BOT.	49	43	33	22	11	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
у		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	9	13	14	15	15
0.8a	0	15	22	26	27	28
0.7a	0	20	30	34	36	37
0.6a	0	22	34	40	42	43
0.5a	0	23	35	41	44	45
0.4a	0	22	34	40	42	43
0.3a	0	20	30	34	36	37
0.2a	0	15	22	26	27	28
0.1a	0	9	13	14	15	15
BOT.	0	0	0	0	0	0

M _x	END	0.1b	0.2b	0.3b	0.4b	0.5b
х		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	10	18	22	25	26
0.8a	0	16	28	37	42	43
0.7a	0	20	35	46	52	55
0.6a	0	21	39	51	58	61
0.5a	0	22	40	52	60	63
0.4a	0	21	39	51	58	61
0.3a	0	20	35	46	52	55
0.2a	0	16	28	37	42	43
0.1a	0	10	18	22	25	26
BOT.	0	0	0	0	0	0

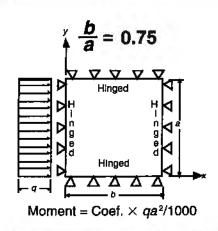
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
· · · xy	0.00	0.9b	0.8b	0.7b	0.6b	
TOP	45	40	31	21	11	0
0.9a	41	38	30	20	10	0
0.8a	33	31	25	17	9	0
0.7a	23	22	18	12	6	0
0.6a	12	11	9	7	3	0
0.5a	0	0	0	0	0	0
0.4a	12	11	9	7	3	0
0.3a	23	22	18	12	6	Ö
0.2a	33	31	25	17	9.	0
0.1a	41	38	30	20	10	0
BOT.	45	40	31	21	11	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
···y		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	8	12	14	15	15
0.8a	0	13	21	25	27	28
0.7a	0	17	27	33	36	37
0.6a	0	19	31	38	41	42 44
0.5a	0	20	32	39	43	44
0.4a	0	19	31	38	41	42
0.3a	0	17	27	33	36	37
0.2a	0	13	21	25	27	28
0.1a	0	8	12	14	15	15
BOT.	0	0	0	0	0	0

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
х		0.9b	0.8b	0.7b	0.6b	4.77
TOP	0	0	0	0	0	0
0.9a	0	8	13	17	19	20
0.8a	0	12	21	27	31	32
0.7a	0	14	25	33	38	39
0.6a	0	15	27	36	41	43
0.5a	0	15	28	37	42	44
0.4a	0	15	27	36	41	43
0.3a	0	14	25	33	38	39
0.2a	0	12	21	27	31	32
0.1a	0	8	13	17	19	20
BOT.	0	0	0	0	0	0

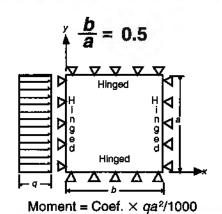
M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b
тиху	124.0	0.9b	0.8b	0.7b	0.6b	
TOP	37	34	27	19	10	0
0.9a	34	31	25	18	9	0
0.8a	27	25	21	15	8	0
0.7a	19	18	15	10	5	0
0.6a	10	9	8	5	3	0
0.5a	0	0	0	0	Ō	0
0.4a	10	9	8	5	3	0
0.3a	19	18	15	10	5	0
0.2a	27	25	21	15	8	0
0.1a	34	31	25	18	9	0
BOT.	37	34	27	19	10	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
iviy	1	0.9b	0.8b	0.7b	0.6b	
TOP	Ö	0	0	0	0	C
0.9a	0	6	10	12	13	14
0.8a	0	11	17	21	24	24
0.7a	0	13	22	28	31	32
0.6a	0	15	25	32	36	37
0.5a	0	15	26	33	37	38
0.4a	0	15	25	32	36	37
0.3a	0	13	22	28	31	32
0.2a	0	11	17	21	24	24
0.1a	0	6	10	12	13	14
вот.	0	0	0	0	0	

M _×	END	0.1b	0.2b	0.3b	0.4b	0.5b
7X		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	5	9	11	13	13
0.8a	0	7	13	17	19	20
0.7a	0	8	15	19	22	23
0.6a	0	8	15	20	23	25
0.5a	0	8	15	21	24	25
0.4a	0	8	15	20	23	25
0.3a	0	8	15	19	22	23
0.2a	0	7	13	17	19	20
0.1a	0	5	9	11	13	13
BOT.	0	0	0	0	0	0

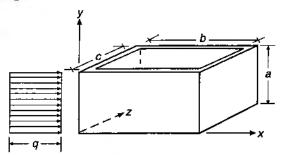
M _{xy}	END	0.1b	0.2b	0.35	0.4b	0.5b
ттху		0.9b	0.8b	0.7b	0.6b	
TOP	26	24	19	14	7	C
0.9a	23	22	18	13	7	Ċ
0.8a	18	17	14	10	5	C
0.7a	12	12	10	7	4	
0.6a	6	6	5	4	2	
0.5a	0	0	0	0	0	C
0.4a	6	6	5	4	2	
0.3a	12	12	10	7	4	C
0.2a	18	17	14	10	5	0
0.1a	23	22	18	13	7	
BOT.	26	24	19	14	7	0



M _v	END	0.1b	0.2b	0.3b	0.4b	0.5b
1414		0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	4	7	9	9	10
0.8a	0	7	11	15	16	17
0.7a	0	8	14	18	21	22
0.6a	0	9	16	21	23	24
0.5a	0	9	16	21	24	25
0.4a	0	9	16	21	23	24
0.3a	0	8.	14	18	21	22
0.2a	0	7.	11	15	16	17
0.1a	0	4	7	9	9	10
вот.	0	0	0	0	0	0

Mx	END	0.1b	0.2b	0.3b	0.4b	0.5b
	2.10	0.9b	0.8b	0.7b	0.6b	
TOP	0	0	0	0	0	0
0.9a	0	3	5	6	7	7
0.8a	0	3	6	8	9	9
0.7a	0	3	6	8	9	10
0.6a	0	3	6	8	9	9
0.5a	0	3	6	8	9	9
0.4a	0	3	6	8	9	9
0.3a	0	3	6	8	9	10
0.2a	0	3	6	8	9	9
0.1a	0	3	5	6	7	7
вот.	0	0	0	0	0	0

M _{xy}	END	0.1b	0.2b	0.3b	0.4b	0.5b	
···xy		0.9b	0.8b	0.7b	0.6b		
TOP	13	12	10	7	4	0	
0.9a	11	11	9	6	3	0	
0.8a	8	7	6	5	2	0	
0.7a	5	5	4	3	2	0	
0.6a	2	2	2	1	1	0	
0.5a	0	0	0	0	0	0	
0.4a	2	2	2	1	1	0	
0.3a	5	5	4	3	2	0	
0.2a	8	7	6	5	2	0	
0.1a	11	11	9	6	3	0	
BOT.	13	12	10	7	4	0	



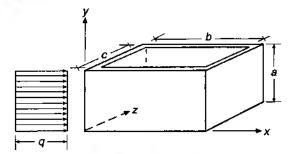
Hinged Top Hinged Base

Deflections on pages 3-45 & 3-46

Moments

	111011101110	
b/a	c/a	page
	3.0	3-47
	2.0	3-47
4.0	1.5	3-48
	1.0	3-48
	0.5	3-49
	2.0	3-49
3.0	1.5	3-50
3.0	1.0	3-50
	0.5	3-51
	1.5	3-51
2.0	1.0	3-52
	0.5	3-52
1.5	1.0	3-53
1.5	0.5	3-53
1.0	0.5	3-54

CASE 6

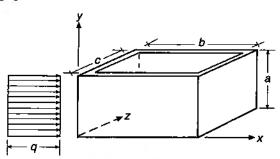


Free Top Hinged Base

Deflections on pages 3-55 & 3-56

Moments

b/a	c/a	page
	3.0	3-57
	2.0	3-57
4.0	1.5	3-58
	1.0	3-58
	0.5	3-59
	2.0	3-59
3.0	1.5	3-60
3.0	1.0	3-60
	0.5	3-61
	1.5	3-61
2.0	1.0	3-62
	0.5	3-62
1.5	1.0	3-63
1.5	0.5	3-63
1.0	0.5	3-64



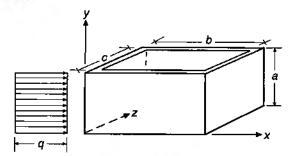
Free Top Fixed Base

Deflections on pages 3-65 & 3-66

Moments

b/a	c/a	page
	3.0	3-67
	2.0	3-67
4.0	1.5	3-68
	1.0	3-68
	0.5	3-69
	2.0	3-69
3.0	1.5	3-70
5.0	1.0	3-70
	0.5	3-71
	1.5	3-71
2.0	1.0	3-72
	0.5	3-72
1.5	1.0	3-73
	0.5	3-73
1.0	0.5	3-74

CASE 8



Hinged Top Fixed Base

Deflections on pages 3-75 & 3-76

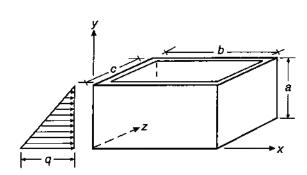
Moments

b/a	c/a	page
	3.0	3-77
	2.0	3-77
4.0	1.5	3-78
	1.0	3-78
	0.5	3-79
	2.0	3-79
3.0	1.5	3-80
0.0	1.0	3-80
	0.5	3-81
	1.5	3-81
2.0	1.0	3-82
	0.5	3-82
1.5	1.0	3-83
1.5	0.5	3-83
1.0	0.5	3-84

Hinged Top Hinged Base

Deflection =
$$\frac{C_d q a^4}{1000 D}$$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_a

Long Side - Along Midheight (y = a/2)

	X	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a c/a		0.9b	0.8b	0.7b	0.6b		
4.0	3.0	0	2.30	4.70	5.80	6.20	6.30
4.0	2.0	0	2.30	4.70	5.80	6.20	6.30
4.0	1.5	0	2.40	4.70	5.80	6.20	6.30
4.0	1.0	0	2.60	4.80	5.80	6.30	6.30
4.0	0.5	0	2.80	4.90	5.90	6.30	6.40
3.0	2.0	0	1.60	3.60	5.00	5.60	5.80
3.0	1.5	0	1.70	3.70	5.00	5.70	5.90
3.0	1.0	0	1.80	3.80	5.10	5.70	5.90
3.0	0.5	0	2.10	4.00	5.20	5.80	6.00
2.0	1.5	0	0.90	2.20	3.30	4.00	4.30
2.0	1.0	0	1.00	2.40	3.50	4.20	4.40
2.0	0.5	0	1.20	2.60	3.70	4.40	4.60
1.5	1.0	0	0.60	1.40	2.20	2.70	2.90
1.5	0.5	0	0.80	1.70	2.50	3.00	3.10
1.0	0.5	0	0.30	0.70	1.00	1.20	1.30

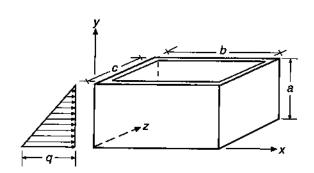
Short Side - Along Midheight (y = a/2)

	Z	END	0.1c	0.2c	0.3c	0.4c	0.5c
b/a	c/a		0.9c	0.8c	0.7c	0.6c	
4.0	3.0	0	1.60	3.60	5.00	5.60	5.80
4.0	2.0	0	0.80	2.10	3.30	4.00	4.20
4.0	1.5	0	0.30	1.10	1.90	2.40	2.60
4.0	1.0	0	0.00	0.10	0.40	0.50	0.60
4.0	0.5	0	-0.20	-0.30	-0.40	-0.40	-0.40
3.0	2.0	0	0.80	2.10	3.30	4.00	4.20
3.0	1.5	Đ	0.30	1.10	1.90	2.40	2.60
3.0	1.0	0	0.00	0.10	0.40	0.50	0.60
3.0	0.5	0	-0.20	-0.30	-0.40	-0.40	-0.40
2.0	1.5	0	0.40	1.20	1.90	2.40	2.60
2.0	1.0	0	0.00	0.20	0.40	0.60	0.60
2.0	0.5	0	-0.20	-0.30	-0.30	-0.40	-0.40
1.5	1.0	O	0.00	0.20	0.50	0.70	0.70
1.5	0.5	0	-0.10	-0.20	-0.30	-0.30	-0.30
1.0	0.5	0	-0.10	-0.10	-0.20	-0.20	-0.20

Hinged Top Hinged Base

Deflection =
$$\frac{C_d q a^4}{1000 D}$$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

Long Side - Along Midspan (x = b/2)

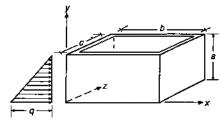
b/a	c/a	вот.	0.1a	0 <u>.</u> 2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	TOP
4.0	3.0	0	2.10	4.00	5.30	6.10	6.30	5.90	5.00	3.60	1.90	C
4.0	2.0	0	2.10	4.00	5.30	6.10	6.30	5.90	5.00	3.60	1.90	0
4.0	1.5	0	2.10	4.00	5.30	6.10	6.30	5.90	5.00	3.60	1.90	0
4.0	1.0	0	2.10	4.00	5.40	6.20	6.30	5.90	5.00	3.60	1.90	0
4.0	0.5	0	2.10	4.00	5.40	6.20	6.40	5.90	5.00	3.60	1.90	
3.0	2.0	0	2.00	3.70	4.90	5.70	5.80	5.50	4.60	3.30	1.70	
3.0	1.5	0	2.00	3.70	5.00	5.70	5.90	5.50	4.60	3.30	1.70	
3.0	1.0	0	2.00	3.70	5.00	5.70	5.90	5.50	4.60	3.30	1.70	0
3.0	0.5	0	2.00	3.70	5.00	5.80	6.00	5.60	4.70	3.30	1.70	0
2.0	1.5	0	1.50	2.70	3.70	4.20	4.30	4.00	3.30	2.40	1.20	
2.0	1.0	0	1.50	2.80	3.80	4.30	4.40	4.10	3.40	2.40	1.30	
2.0	0.5	0	1.60	2.90	3.90	4.50	4.60	4.20	3.50	2.50	1.30	
1.5	1.0	0	1.00	1.90	2.50	2.80	2.90	2.60	2.20	1.50	0.80	
1.5	0.5	0	1.10	2.10	2.70	3.10	3.10	2.90	2.40	1.70	0.90	
1.0	0.5	0	0.50	0.90	1.20	1.30	1.30	1.20	1.00	0.70	0.30	

Short Side - Along Midspan (z = c/2)

b/a	c/a	BOT.	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	_0.7a	0.8a	0.9a	TOP
4.0	3.0	0	2.00	3.70	4.90	5.70	5.80	5.50	4.60	3.30	1.70	0
4.0	2.0	0	1.50	2.70	3.60	4.10	4.20	3.90	3.20	2.30	1.20	0
4.0	1.5	.0	0.90	1.70	2.30	2.50	2.60	2.30	1.90	1.40	0.70	0
4.0	1.0	0	0.30	0.50	0.60	0.60	0.60	0.50	0.40	0.30	0.10	0
4.0	0.5	0	-0.10	-0.20	-0.30	-0.40	-0.40	-0.40	-0.30	-0.20	-0.10	0
3.0	2.0	0	1.50	2.70	3.60	4.10	4.20	3.90	3.20	2.30	1.20	0
3.0	1.5	0	0.90	1.70	2.30	2.50	2.60	2,30	1.90	1.40	0.70	0
3.0	1.0	0	0.30	0.50	0.60	0.60	0.60	0.50	0,40	0.30	0.10	0
3.0	0.5	0	-0.10	-0.20	-0.30	-0.40	-0.40	-0.40	-0.30	-0.20	-0.10	0
2.0	1.5	0	0.90	1.70	2.30	2.60	2.60	2.40	1.90	1.40	0.70	0
2.0	1.0	0	0.30	0.50	0.70	0.70	0.60	0.50	0.40	0.30	0.10	0
2.0	0.5	0	-0.10	-0.20	-0.30	-0.40	-0.40	-0.40	-0.30	-0.20	-0.10	o
1.5	1.0	0	0.30	0.60	0.70	0.80	0.70	0.60	0.50	0.30	0.20	0
1.5	0.5	0	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.30	-0.20	-0.10	
1.0	0.5	0	0.00	-0.10	-0.10	-0.10	-0.20	-0.20	-0.10	-0.10	-0.10	0

Hinged Top Hinged Base

Moment = Coef. $\times qa^2/1000$

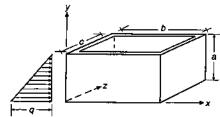


						IVIC	J111011		001.	^ yu	, 100	,,,	É			. ** Z			x
6													-	q—∣					
$\frac{b}{a} = 4.0, \frac{c}{a}$	= 3.0		M	х Сов	fficier	ıt			М	y Coe	fficier	nt			M	_{ry} Coe	fficie	nt	
		CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
	TOP	- 0	0.50	0.00	0.75	0.00	0	0	0.00	0.00	0.75	0.00	0	1	17	10	4	1	0
	0.9a	-3	5	11	15	16	16	-16	2	5	4	4	4	1	17	10	4	1	- 0
	0.8a	-6	10	22	28	31	31	-32	4	9	8	7	7.	1		8	4	1	
	0.7a	-9	15	32	40	44	44	-45	6	12	11	10	10	1	11	6	3	1	Ó
Long Side	0.6a	-11	19	40	50	54	55	-56	8	15	14	12	12	1	7	3	1	0	0
	0.5a	-12	22	46	56	60	61	-62	9	17	15	14	13	0	1	0	0	0	0
	0.4a	-13	24	48	58	62	63	-64	10	17	15	14	14	0	4	3	1	0	
	0.3a	-12	25	46	54	58	58	-59	10	15	14	13	13	1	10	6	2	1	
	0.2a	-10	22	38	44	47.	47	-48	8	12:	11	10	10	1	15	8	3	1	
	0.1a	-6	15	23	27	28	28	-28	5	7	7	6	6	2	18	10	4	1	0
	BOT.	0	0	0	0	0	0	0	Ö	0	0	0	0	2	20	10	4	1	0
		-	М,	Coef	ticien	t			M	, Coe	fficier	it			М,	, Coe	fficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c	0.00		0.9c	0.8c	0.7c	0.6c	0.00		0.9c	0.8c	0.70	0.6c	0.00
	TOP	0	0.00	0.00	00	0.00	0	Ö	0.00	0.00	00	0	0	1	17	14	8	4	0
	0.9a	-3	3	9	12	14	15	-16	0	4	5	4	4	1	17	14	8	3	0
	0.8a	- <u>-</u>	6	17	24	28	29	-32	- 8	8	9	8	8	1	15	12:	7	3	ō.
	0.7a	-9	9	25	35	39	41	-45	0	11	13	12	11	1	12	9	5	2	0
Short Side	0.6a	-11	11	31	43	49	51	-56	0	14	15	14	14	1	7	5	3	1	0
Cilcit Gido	0.5a	-12	14	36	49	55	57	-62	1	16	17	16	15	0	2	1	0		0
	0.4a	-13	16	38	51	57	59	-64	2	16	17	16	16	0	4	4	2		
	0.3a	-12	17	37	48	53	55	-59	3	15	16	15	14	1	10	8	5	2	0
	0.2a	-10	15	32	40	44	45	-48	4	12	12	12	11	1	15	12	7	3	0
	0.1a	-6	11	20	24	26	27	-28	3	7	7	7	7	2	20	14	8	3	0
	SOT.	0	0	0	0	0	0	0	0	0	0	0	0	2	21	15	8	4	0
												· .							
$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		M,	Coe	fficien	t			M,	, Coe	fficien	ıt			M,	, Coe	fficier	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	Ö	0	2	17	10	4	1	0
	0.9a	-3	5	12	15	16	16	-16	2	5	4	4	4	2	16	10	4	1	0
	0.8a	-6	10	22	28	31	31	-31	4	9	8	7	7	2	14	8	3	1	0
	0.7a	-9	15	32	40	44	44	-44	6	12	11	10	10	1	11	6	3	1	0
Long Side	0.6a	-11	19	40	50	54	55	-54	8	15	14	12	12	1	7	3	1	0	0
7	0.5a	-12	23	46	56	60	61	-61	9	17	15	14	13	0	1	0	0	0	0
	0.4a	-12	25	48	58	62	63	-62	10	17	15	14	14	0	4	3	1	0	Ō
	0.3a	-12	25	46	54	58	58	-58	10	15	14	13	13	1	10	6	2	1	0
	0.25	la l	22	28	44	47	47	.47	8	10	11	10	10	2	15	я	2	. 1	

			0.9b_	0.86	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	. 0	O	Ö	0	2	17	10	4	1	0
	0.9a	-3	5	12	15	16	16	-16	2	5	4	4	4	2	16	10	4	1	0
	0.8a	-6	10	22	28	31	31	-31	4	9	8	7	7	2	14	8	3	1	0
	0.7a	-9	15	32	40	44	44	-44	6	12	11	10	10	1	11	6	3	1	0
Long Side	0.6a	-11	19	40	50	54	55	-54	8	15	14	12	12	1	7	3	1	0	0
	0.5a	-12	23	46	56	60	61	-61	9	17	15	14	13	0	1	0	0	0	0
	0.4a	-12	25	48	58	62	63	-62	10	17	15	14	14	0	4	3	1	0	Ō
	0.3a	-12	25	46	54	58	58	-58	10	15	14	13	13	1	10	6	2	1	0
	0.2a	-9	22	38	44	47	47	-47	8	12	11	10	10	2	15	8	3	1	0
	0.1a	-6	15	23	27	28	28	-28	5	7	7	6	6	2	18	10	4	1	0
	BOT		0		Λ	٥				- 0	0	0	O	3	20	10	4	1	ń

			M,	Coef	ficien	t			M,	Coe	fficler	it			M ₃	, Coe	fficier	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.20	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5¢
			0.9c	0.8c	0.7c	0.6¢			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	.0	0	0	0	O	0	0	0	0	0	0	0	2	14	15	11	6	0
	0.9a	-3	1	5	8	10	10	-16	-3	2	5	5	5	2	14	15	11	6	0
	0.8a	-6	1	9	15	19	20	-31	-7	5	9	10	11	2	12	13	10	5	0
	0.7a	-9	2	13	22	27	29	-44	-9	7	13	14	15	1	10	10	7	4	0
Short Side	0.6a	-11	3	17	28	35	37	-54	-10	9	16	18	18	1	6	6	4	2	0
	0.5a	-12	4	21	33	40	42	-61	-10	10	17	19	20	0	2	1	1	0	0
	0.4a	-12	6	23	35	42	44	-62	.9	11	18	19	20	0	3	4	3	2	0
	0.3a	-12	7	23	35	41	43	-58	-7	11	16	18	18	1	8	9	7	3	0
	0.2a	-9	7	21	30	34	36	-47	-4	9	13	14	14	2	13	14	10	5	0
	0.1a	-6	6	14	19	21	22	-28	-1	5	7	8	8	2	17:	17	12	6	0
	BOT.	0	0	0	0	0	0	0:	0	0	0	0	0	3	19	18	13	6	0

Moment = Coef. $\times qa^2/1000$

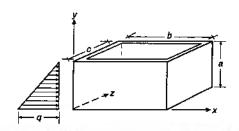


														q —				<u> </u>	→ x
$\frac{b}{a} = 4.0, \frac{c}{a}$	= 1.5		M	x Cos	fficie	nt			M	, Coe	fficie	nt			М	y Coe	officie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	****	0.2b	0.3b	0.4b	0.5b	CORNER	0.fb	0.2b	0.3b	0.4b	0.5b
	TOP	 	0.9b	0.8b	0.7b	0.6b		 _	0.9b	0.8b	0.7b	0.6b	_		0.9b	0.8ь	0.7b	0.6b	<u> </u>
		0	0	0	0	0	0		0	. 0	0	0	0	3	17	10	4	1	0
	0.9a 0.8a	-3 -6	5 11	12 23	15 28	16 31	16 31	-15 -29	2	5	4	1	4	3	16	9	4	1	Ō
	0.6a	-8	15	33	41	44	44	-29	6	9	8	7	10	3	14		3	1	
Long Cide	0.6a	-10	20	41	50	54	55	-51	8	15	11	f0 12	10	2	11	6	3		
Long Side	0.5a	-11	23	46	56	60	61	-57	10	17	15	14	12	1	. 7	3	1	0	
	0.3a	-12	25	46	58	62	63	-57 -59	10	17	15	14	13 14	0	4	9	0	0	0
	0.3a	-11	26	46	55	58	58	-55	10	15	14	13	13	2	10	6	2	0	_
	0.2a	9	23	38	44	47	47	-45	9	12	11	10	10	3	15	8	3	1	0
	0.1a	-5	15	23	27	28	28	-27	5	7	7	6	6	4	18	10			0
	BOT.	ŏ	0	0	0	-0	- 20	0	0	0	0	0	0	4	20	10	4	f 1	
			M,	Coef	ficien	t			M	Coe	fficien	nt .			M,	, Coe	fficie	nt	
		CORNER	0.10	0.2c	0.3c	0.40	0.5¢	CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.50
	-		0.9c	0.8c	0.7c	0.60			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	0	Ö	0	0	0	0	0	0	0	0	0	0	3	9	12	10	6	Ō
	0.9a	-3	-1	2	4	5	6	-15	-5	1	4	5	6	3	9	12	10	5	0
	0.8a	-6	-1	4	8	11	12	-29	-10	1	7	10	11	3	8	11	9	5	0
	0.7a	-8	-1	6	12	16	17	-41	-13	2	10	14	15	2	7	9	7	4	0
Short Side	0.6a	-10	-1	8	16	21	22	-51	-16	3	13	17	19	1	5	6	4	2	0
	0.5a	-11	-1	10	19	25	27	-57	-17	4	15	19	20	0	2	2	1	1	0
	0.48	-12	0	12	22	28	29	-59	-16	_ 5	15	19	21	1	1	2	2	1	0
	0.3a	-11	2	14	23	28	30	-55	-13	6	14	18	19	2	5	7	6	3	0
	0.2a	-9	3	13	21	25	26	-45	-9	5	12	14	15	3	9	11	9	5	0
	0.1a	-5	3	10	14	16	17	-27	-4	4	7	8	8	4	13	15	f1	6	0
	BOT.	0	0	0	0	0	0	0	0	0	0	01	0	4	15	16	12	6	0

$\frac{b}{a} = 4.0, \frac{c}{a} =$	1.0		м	, Coe	fficier	nt			M	, Coe	fficler	nt			Μ,	, Cos	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3ხ	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.6b	0.7b	0.6b	
	TOP	0	0	0	Ô	0	0	0	0	0	0	O	0	7	17	9	4	1	0
	0.9a	-2	6	12	15	16		-12		5	4	4	4	6	16	9	4	1	0
	0.8a	-5	12	23	29	31	31	-23	5	9	8	7	7	6	14	8	3	1	0
	0.7a	-7	17	33	41	44	44	-34	7	12	11	10	10	4	11	- 6	2	1	0
Long Side	0.6a	-8	22	42	51	54	55	-42	9	15	14	12	12	2	7	3	1	0	0
T 1717	0.52	-10		47	57	60	61	-48	† 1	17	15	14	13	0	1	0	0	0	0
	0.4a	-10		49	59	62	63	-50	12	17	15	14	14	2	4	3	1	0	0
	0.3a	-9	27	47	55	58	58	-47	11	15	14	13	13	4	10	5	2	1	0
	0.2a	-8	24	39	45	47	47	-39	9	12	11	fO	10	6	15	8	3	1	0
	0.1a	-5	15	24	27	28	28	-24	6	7	7	6	6	7	18	9	4	f	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	8	19	10	4	1	

			M,	Coef	ficien	t		_	М	Coe	fficier	it			M	_{yz} Coe	fficle	nt	
		CORNER	0.1¢	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.30	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c		L	0.9c	0.8c	0.7c	0.60			0.9¢	0.8c	0.7c	0.6c	1
	TOP	0	_ 0	Ö	0	0	0	0	Ó	0	0	0	0	7:	1	4	4	3	Ö
	0.9a	-2	-2	-1	0	0	1	-12	-6	-2	1	3	3	6	1	4	4	3	0
	0.8a	-5	-3	-1	0	1	1	-23	-11	-3	2	5	6	6	f	4	4	2	0
	0.7a	-7	-4	-2	1	2	3	-34	-16	-4	4	8	9	4	2	4	3	2	Ö.
Short Side	0.6a	-8	5	-1	2	4	4	-42	-20	-5	5	10	12	2	2	3	3	2	0
	0.5a	-10		0	3	6	7	-48	-22	-4	6	12	14	O	2	2	1	f	0
	0.4a	-10	-5	1	6	9	10	-50	-21	-3	7	13	14	2	1	0	0	0	0
	0.3a	-9	-3	3	8	1f	12	-47	-19	-2	8	12	14	4	0	2	2	1	0
	0.2a	-8	-2	4	9	12	13	-39	-14	0	7	10	f1	6	2	5	5	3	0
	0.1a	-5	0	4	7	9	10	-24	-7	1	4	6	7	7	4	7	7	4	0
	BOT.	0	0	0	0	0	0	0	0	Ô	0	0	0	8	6	9	7	4	0

Moment = Coef. $\times qa^2/1000$



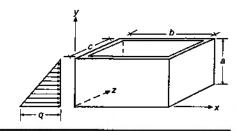
$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.5		M	, Coe	fficier	nt			М	, Coe	fficier	nt			M,	_{ry} Coe	fficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	COĤNÉR	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9ь	0.8b	0.7b	0.6b			0.9b	0.8ъ	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	3	17	14	8	3	0
	0.9a	-3	3	9	12	14		-15		4	5	4	4	3	17	13	7	3	0
	0.8a	-6	7	17	24	28	29	-29	0	. 8	. 9	8	8	2	15	11	6	3	0
100	0.7a	-8	10	25	35	40	41	-41	_ 1_	12	13	12	11	2	12	9	5	2	0
Long Side	0.6a	-10	12	32	43	49	51	-51	2	14	15	14	14	1	7	5	3	1	0
	0.5a	-11	15	37	49	55	57	-57	3	16	17	16	15	0	2	1	0	0	0
	0.4a	-12	17	39	51	57	59	-59,	4	16	17	16	16	' l	4	4,	2	1	0
	0.3a	-11	17	38	49	54	55	-55	4	15	16	15	14		10	8	4	2	0
	0.2a	-9	16	32	40	44	45	-45	4	12	12	12	11	2	15	11	6	3	0
	0.1a	-5	11	20	24	26	27	-27	3	7	7	7	7	3	20	14	8	3	0
	BOT.	0	0	0	0	0	0	Ö	0	0	0	0	0	4	21	15	8	3	Ō

M_z Coefficient M., Coefficient Myz Coefficient 0.1¢ 0.2c 0.3c 0.4c 0.50 0.1c 0.2c 0.3c 0.4c 0.5c 0.1c 0.2c 0.3c 0.50 0.4c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7¢ 0.60 0.9c 0.8c 0.7c 0.6¢ TOP Ö ō 0 0 0 3 12 10 0.9a -3 2 6 -15 3 9 5 6 12 10 0.8a -6 -1 4 8 11 12 -29 -10 10 11 2 8 11 -8 12 17 -41 10 2 0.7a -1 6 16 -13 2 14 15 9 7 4 0.6a -10 -1 8 16 21 22 -51 -16 3 13 17 19 1 5 2 O 6 4 **Short Side** 0 0.5a -11 -1 10 19 25 27 -57 -17 4 15 19 20 0 2 2 1 1 0 22 28 30 5 21 2 0.4a -12 12 -59 -16 15 19 0.3a -11 2 14 23 28 30 -55 -13 6 14 18 19 2 5 6 3 0 0.2a -9 3 13 21 25 26 -45 -9 5 12 14 15 2 9 11 0 9 5 -5 0.1a 3 10 14 16 17 -27 4 7 8 8 3 13 15 11 6 0 0 0 0 0 0 0 0 BOT. 0 0 0 4 0 15 16 12 6

$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.0		М	, Coe	fficier	nt			M,	, Coe	fficier	nt			Μ,	, Coe	fficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	7	_ 17	13	7	3	0
	0.9a	-2	4	9	13		15			4	5	4	4	6	17	13	7	3	0.
	0.8a	-5	8	18		28	29	-23		Ð	9	8	8	5	15	11	6	3	0
. tan 1	0.7a	-7	11	26	36	40	41	-34	3	12	12		11	4	12	8	4	2	0
Long Side	0.6a	-8	15	33	44	50	51	-42	4	15	15	14	14	2	7	5	2	1	0
	0.5a	-10		38	50	56	57	-48		16	17	16		0	2	1	O	0	0
- A-07	0.4a	-10	19	40	52	57	59	-50	- 6	17	17	16	15	2	4	4	2	1	0
	0.3a	-9	19	39	49	54	55	-47	6	15	15	15	14	4	10	8	4	2	0
	0.2a	-8	17	33	40	44	45	-39	6	12	12	12	11	5	16	11	6	2	0
	0.1a	-5	12	20	25	26	27	-24	4	7	7	7	7	7	20	13	7	. 3	0
	BOT.	0	0	0	_ 0	0	0	0	0	0	0	0	0	7	21	14	8	3	0

M_z Coefficient M. Coefficient Myz Coefficient 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5¢ CORNER 0.1c 0.2c 0.3c 0.4c 0.5c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c TOP 0 0 0 0 0 0.9a -2 -1 -2 -12 -6 -2 1 6 3 0 -5 0.8a -3 0 -23 -11 2 5 6 5 4 2 0 -2 -4 0.7a -4 -34 -16 4 8 4 4 2 0 0.6a -8 -5 -1 2 -5 5 10 12 2 2 2 -42 -20 3 **Short Side** 0.5a -5 ō ō -10 3 6 -48 -21 -4 6 12 14 0 2 2 1 -10 2 0 0.4a -5 1 6 9 10 -50 -21 ç 13 15 0 0 0 8 0.3a -9 -3 3 8 11 12 -47 -19 -2 12 14 4 0 0 2 2 8 -2 4 9 12 13 -39 0 0.2a -14: 7 10 11 5 3 ō 2 5 5 0.1a **.**5 0 4 7 9 10 -24 -7 4 6 7 7 4 7 1 4 0 7 BOT. 0 0 0 9

Moment = Coef. $\times qa^2/1000$



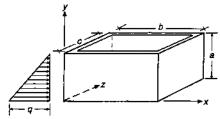
$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.5		М	, Coe	fficier	nt			М	, Coe	fficier	nt			M	_{xy} Coe	fficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		li	0.9b	0.8b	0.7b	0.6b]		0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	Q	0	0	0	0	0	0	0	0	D	3	17	14	8	3	0
	0.9a	-3	3	9	12	14	15	-15	0	4	5	4	4	3	17	13	7	3	0
	0.8a	-6	7	17	24	28	29	-29	0	8	9	8	8	2	15	11	6	3	0
	0.7a	-8	10	25	35	40	41	-41	1	12	13		11	2	12	9	5	2	0
Long Side	0.6a	-10	12	32	43	49	51	-51	2	14	15	14	14	1	7	5	3	1	0
	0.5a	-11	15	37	49	55	57	-57	3	16	17	16	15	0	2	1;	0	Q	0
	0.4a	-12	17	39	51	57	59	-59	4	16	17	16	16	1	4	4	2	1	0
	0.3a	-11	17	38	49	54	55	-55	4	15	16	15	14	2	10	8	4	2	0
	0.2a	-9	16	32:	40	44	45	-45	4	12	12	12	11	_ 2	15	11	6	3	0
	0.1a	-5	11	20	24	26	27	-27	3	7	7	7	7	3	20	14	8	3	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	4	21	15	8	3	0

M, Coefficient Myz Coefficient M_z Coefficient 0.4c 0.10 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.5c CORNER 0.1c 0.20 0.30 0.4c 0.5c 0.9c 0.8c 0.7c Q.6c 0.9c 0.8c 0.7c 0.6c 0.9c Q.8c 0.7c 0.6c TOP 3 0.9a 2 4 -15 3 9 12 0.8a -6 4 8 11 12 -10 7 10 11 2 0 -1 -29 8 11 5 0.7a -8 -1 12 16 17 **-4**1 -13 2 10 15 2 9 7 4 0 6 14 7 0.6a -10 -1 16 21 22 -51 -16 3 13 17 19 5 6 4 2 **Short Side** -1 27 -17 0 2 2 1 Q 0.5a -11 10 19 25 -57 4 15 20 19 0.4a -12 ō 12 22 28 30 -59 -16 5 15 19 21 1 1 2 23 28 30 2 3 0.3a -11 2 14 -55 -13 6 14. 18 19 5 0 3 26 5 2 0 13 21 25 -45 12 14 15 11 0.2a -9 -9 9 9 5 Q 0.1a -5 3 10 14 16 17 -27 -4 4 8 8 3 13 15 11 6 0 0 Q 0. O 4

 $\frac{b}{a} = 3.0, \frac{c}{a} = 1.0$ M_x Coefficient M, Coefficient M_{xv} Coefficient 0.1b 0.2b 0.3b 0.4b 0.5b CORNER 0.1b 0.2b 0.3b 0.4b 0.5b 0.1b 0.2b 0.3b 0.4b 0.5b 0.9b 0.8b 0.7b 0.9b 0.8b 0.7b 0.9b 0.8b 0.7b 0.6b TOP 17 13 0.9a -2 9 14 15 -12 5 6 17 0 13 3 0.8a -5 8 18 25 28 29 -23 2 9 8 8 5 15 11 Ö 6 0.7a 11 26 36 40 41 -34 3 12 12 12 11 4 12 8 4 2 33 0 0.6a -8 15 44 50 51 -42 4 15 15 14 14 2 5 2 Long Side 5 0 -10 17 38 50 56 57 -48 16 16 15 0 2 1 0 o 0.5a 17 0.4a -10 19 40 52 57 59 -50 6 17 17 16 15 2 4 4 19 49 54 55 -47 6 14 4 2 0.3a 39 15 10 8 Q 15 15 0.2a -8 17 33 40 44 45 6 12 12 11 5 2 0 -39 12 16 11 6 12 20 26 27 4 7 0.1a -24 20 13 7 0 Q BOT. 0 0 Q 0 0 0 0 0 0 0 0 7 21 14 8

M_z Coefficient M, Coefficient Myz Coefficient 0.2c 0.3c 0.4c 0.5c 0.2c 0.3c 0.4c 0.5c CORNER 0.2c 0.3c 0.4c CORNER 0.10 CORNER 0.10 0.1c 0.5c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c TOP Ö 0 ō 0 0 0 0 0 0 0 0 7 1 -1 -1 0 0.9a -2 -2 0 0 -12 -6 -2 3 3 6 4 3 1 -3 Ō Ő 0.8a -23 -11 -3 2 5 5 -2 1 2 4 8 4 -34 -4 2 0 0.7a -16 2 0.6a Ġ -5 2 -42 -20 -5 5 10 12 2 2 2 0 **Short Side** 0.5a -10 -5 Ō 3 -48 -21 4 6 12 14 0 2 2 ō 0.4a -10 -5 6 g 10 -50 -21 -3 13 15 2 0 0 ō n 0.3a -9 -3 3 11 12 -47 -19 -2 8 14 4 Q 2 O 8 12 1 4 0.2a ŝ -2 9 12 13 -39 -14. 0 7 10 11 5 2 3 0 7 7 Ġ 0 4 9 10 -24 -7 4 4 7 ō 0.1a 1 6 7 4 o BOT. 0 0 0 О 0 Q

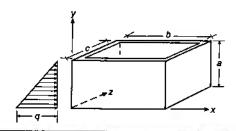
Moment = Coef. $\times qa^2/1000$



													-	- q	<u> </u>				- ^
$\frac{b}{a} = 3.0, \frac{c}{a} =$	0.5		М	, Coe	fficier	nt			M	, Coe	fficier	nt			M,	_{ry} Coe	efficie	nt	· ·
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
	TOP	0	0.9b	0.8b 0	0.7b	0.6b	0	0	de.0	රයිර 0	0.7b 0	0.6b	0	11	0.9b 18	0.8b 12	0.7b	0.6b 3	0
	0.9a	-2	5	10	13	_	15	-9	2	4	5	4	4	10	17	12	7	3	- 0
	0.8a	-3	9	19	25		29	-17	3	9	9	8	8	9	15	10	6	2	0
0: -	0.7a 0.6a	-5 -6	13	28 35	36 45	40 50	42 52	-25 -31	5 7	12 15	12 15	12 14	11	7	12 7	8 5	4	2	0
Long Side	0.6a	-7	20	40	51	56	58	-35	8	17	17	16	15	1	2	1	0	0	
	0.4a	-7	22	42	53	58	60	-37	9	17	17	16	15	3	4	3	2	1	0
	0.3a	-7	22	40	50	54	56	-35	9	16	15	14	14	6	10	7	4	2	0
	0.2a 0.1a	-6 •4	19 13	34 21	41 25	44 27	45 27	-30 -19	8 5	12 7	12 7	11 7	11 6	9 12	16 20	11	6 7	2	. 0
	BOT.	- 0	0	0	20	0		-19	0	ó	,	_		13	21	13	7	3	- 0
											1, 1, 1								
				2000	ficien						fficier						fficie		
		CORNER	0.1c	0.2c 0.8c	0.3c	0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c	0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c	0.5c
	TOP	0	0	0.00	0.10	0	0	0	0	0	0.70	0.00	0	11	7	5	3	1	Ō
	0.9a	-2	-2	-2	-2	-2	-2	-9	-7	-5	-4	-4	-3 -6	10	7	4	3	1	0
	0.8a 0.7a	-3 -5	-4 -5	-4 -5	-4 -5	-4 -5	-4 -5	-17 -25	-13 -19	-10 -14	-8 -11	-7 -9	-6 -9	9	6	3	2	1	0
Short Side	0.6a	-6	-6	-6	-6		-6	-31	-23	-17	-13	-11	-10	4	2	1	1	Ö	
Offort Orde	0.5a	-7	-7	-7	-6	-6	-6	-35	-26	-19	-14	-11	-10	1	0	0	0	0	ő
	0.4a	-7 -7	-7	-6		_	-6	-37 -35	-26 -24	-18 -16	-12 -10	-9 -7	-8 -6	3 6	5	3	1	1	0
	0.3a 0.2a	-6	-6 -5	-5 -3	-3 -2	-4: -1.	-4: -1	-30	-19	-16 -11	-10	-4	<u>-6</u> -3	9	6.	4	2	1 1	0
	0.1a	-4	-2	-1		1	1.	-19	-10	-5	-3	-1	-1	12	6	3	2	1	<u></u>
	DOT															-	- 4		
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0:	13	6	3	1	0	0
b c		0	0	0	0	0	0	0	0	0	0	0;	0:	13					0
$\frac{b}{a} = 2.0, \frac{c}{a} =$			M,	, Coe	fficien	nt			Μ,	, Coe	fficier	nt			Μ,	, Coe	fficie	nt	
$\frac{b}{a} = 2.0, \frac{c}{a} =$		O	M ,	, Coe	fficien	nt 0.4b	0 0.5b	CORNER	- 1	, Coe 0.2b			0: 0.5b	13		, Coe	fficie: 0.3b	1 t 0.4b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$			M,	0.2b 0.8b	fficien	nt			M ,	, Coe	fficien	nt 0.4b			M ,	, Coe	fficie	nt	
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.5 TOP 0.9a	CORNER 0 -3	0.1b 0.9b 0	0.2b 0.8b 0 5	0.3b 0.7b 0.8	0.4b 0.6b 0	0.5b 0	CORNER 0 -14	M, 0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b 0	0.4b 0.6b 0	0.5b 0	CORNER 2	0.1b 0.9b 15	0.2b 0.8b 15	0.3b 0.7b 11	0.4b 0.6b 6	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	TOP 0.9a 0.8a	0 -3	0.1b 0.9b 0	0.2b 0.θb 0 5	0.3b 0.7b 0 8	0.4b 0.6b 0 10	0.5b 0 10 21	0 -14 -28	0.1b 0.9b 0 -3 -5	0.2b 0.8b 0 3	0.3b 0.7b 0 5	0.4b 0.6b 0 5	0.5b 0 5:	COANEA 2 2	0.1b 0.9b 15 14 13	0.2b 0.8b 15 15	0.3b 0.7b 11 11 9	0.4b 0.6b 6 5	0.5b
-	1.5 TOP 0.9a	CORNER 0 -3	0.1b 0.9b 0	0.2b 0.8b 0 5	0.3b 0.7b 0.8	0.4b 0.6b 0	0.5b 0	CORNER 0 -14	M, 0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b 0	0.4b 0.6b 0	0.5b 0	CORNER 2	0.1b 0.9b 15	0.2b 0.8b 15	0.3b 0.7b 11	0.4b 0.6b 6	0.5b 0 0 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -3 -6 -8 -10	0.1b 0.9b 0 1 2 3 4	0.2b 0.8b 0 5 10 14 18 22	0.3b 0.7b 0 8 16 23 29	0.4b 0.6b 0 10 19 28 35	0.5b 0 10 21 30 37 43	0 -14 -28 -40 -50	0.1b 0.9b 0 -3 -5 -7 -8	0.2b 0.8b 0 3 5 7 9	0.3b 0.7b 0 5 9 13 16	0.4b 0.6b 0 5 10 14 18	0.5b 0' 5: 10 15 18 20	2 2 2 1 1	0.1b 0.9b 15 14 13 10 7	0.2b 0.8b 15 15 13 10 6	0.3b 0.7b 11 11 9 7 4	0.4b 0.6b 6 5 5 3	0.5b 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -3 -6 -8 -10 -11	0.1b 0.9b 0 1 2 3 4 6	0.2b 0.8b 0.8b 0 5 10 14 18 22 24	0.3b 0.7b 0 8 16 23 29 34 36	0.4b 0.6b 0 10 19 28 35 40	0.5b 0 10 21 30 37 43 45	0 -14 -28 -40 -50 -56	0.1b 0.9b 0 -3 -5 -7 -8 -8	0.2b 0.8b 0 3 5 7 9 11	0.3b 0.7b 0 5 9 13 16 17	0.4b 0.6b 0 5 10 14 18 19	0.5b 0' 5: 10 15 18 20 20	2 2 2 1 1 0 0 0	M, 0.1b 0.9b 15 14 13 10 7	0.2b 0.8b 15 15 13 10 6	0.3b 0.7b 11 11 9 7 4	0.4b 0.6b 6 5 3 2	0.5b 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	0 -3 -6 -8 -10 -11 -12 -11	0.1b 0.9b 0 1 2 3 4 6 7	0.2b 0.8b 0.8b 10 14 18 22 24 24	0.3b 0.7b 0 8 16 23 29 34 36 35	0.4b 0.6b 0 10 19 28 35 40 43	0.5b 0 10 21 30 37 43 45 43	0 -14 -28 -40 -50 -56 -58	0.1b 0.9b 0 -3 -5 -7 -8 -8 -7 -5	0.2b 0.8b 0 3 5 7 9 11	0.3b 0.7b 0 5 9 13 16 17 18	0.4b 0.6b 0 5 10 14 18 19	0.5b 0 5: 10 15 18 20 20 18	2 2 1 1 1 0 0 1 1	0.1b 0.9b 15 14 13 10 7 2 3	0.2b 0.8b 15 15 13 10 6 1	0.3b 0.7b 11 11 9 7 4 1	0.4b 0.6b 6 5 3 2 0 2	0.5b 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -3 -6 -8 -10 -11	0.1b 0.9b 0 1 2 3 4 6	0.2b 0.8b 0.8b 0 5 10 14 18 22 24	0.3b 0.7b 0 8 16 23 29 34 36 35	0.4b 0.6b 0 10 19 28 35 40 43 41 35	0.5b 0 10 21 30 37 43 45	0 -14 -28 -40 -50 -56	0.1b 0.9b 0 -3 -5 -7 -8 -8	0.2b 0.8b 0 3 5 7 9 11	0.3b 0.7b 0 5 9 13 16 17	0.4b 0.6b 0 5 10 14 18 19	0.5b 0' 5: 10 15 18 20 20	2 2 2 1 1 0 0 0	M, 0.1b 0.9b 15 14 13 10 7	0.2b 0.8b 15 15 13 10 6	0.3b 0.7b 11 11 9 7 4	0.4b 0.6b 6 5 3 2	0.5b 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -3 -6 -8 -10 -11 -12 -11	0.1b 0.9b 0 1 2 3 4 6 7 8	0.2b 0.8b 0.8b 0 5 10 14 18 22 24 24 22	0.3b 0.7b 0 8 16 23 29 34 36 35 30	0.4b 0.6b 0 10 19 28 35 40 43 41 35	0.5b 0 10 21 30 37 43 45 43 36	0 -14 -28 -40 -50 -56 -58 -54	M, 0.1b 0.9b 0 -3 -5 -7 -8 -8 -7 -5 -3	, Coe 0.2b 0.8b 0 3 5 7 9 11 11 11	0.3b 0.7b 0 5 9 13 16 17 18 16	0.4b 0.6b 0 5 10 14 18 19 19 18 14	0.5b 0 5. 10 15 18 20 20 18 14	2 2 2 1 1 0 0 0 1 2	M _x 0.1b 0.9b 15 14 13 10 7 2 3 8 14	0.2b 0.8b 15 15 13 10 6 1 4	0.3b 0.7b 11 11 9 7 4 1 3 6	0.4b 0.6b 6 5 3 2 0 2	0.5b 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -3 -6 -8 -10 -11 -12 -11 -9	0.1b 0.9b 0 1 2 3 4 6 7 8 8	0.2b 0.8b 0.8b 10 14 18 22 24 24 22 14	0.3b 0.7b 0 8 16 23 29 34 36 35 30	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22	0.5b 0 10 21 30 37 43 45 43 36 22	0 -14 -28 -40 -50 -56 -58 -54 -44 -26	M, 0.1b 0.9b 0 -3 -5 -7 -8 -8 -8 -7 -5 -3 -5	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6	0.3b 0.7b 0 5 9 13 16 17 18 16 13	0.4b 0.6b 0 5 10 14 18 19 19 18 14	0.5b 0 5. 10 15 18 20 20 18 14	2 2 1 1 0 0 0 1 2 2 2	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20	0.2b 0.8b 15 15 13 10 6 1 4 9 13 17	0.3b 0.7b 11 11 9 7 4 1 3 6 9	0.4b 0.6b 6 5 3 2 0 2 3 5 6	0.5b 0 0 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -3 -6 -8 -10 -11 -12 -11 -9	0.1b 0.9b 0 1 2 3 4 6 7 8 8	0.2b 0.8b 0.8b 0 5 10 14 18 22 24 24 22 14	0.3b 0.7b 0.7b 0 8 16 23 29 34 36 35 30 19	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22	0.5b 0 10 21 30 37 43 45 43 36 22	0 -14 -28 -40 -50 -56 -58 -54 -44 -26	M, 0.1b 0.9b 0 -3 -5 -7 -8 -8 -8 -7 -5 -3 -5	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6	0.3b 0.7b 0.7b 0 5 9 13 16 17 18 16	0.4b 0.6b 0 5 10 14 18 19 19 18 14	0.5b 0 5. 10 15 18 20 20 18 14 8	2 2 1 1 0 0 0 1 2 2 2	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20	0.2b 0.8b 15 15 13 10 6 1 4 9 13 17	0.3b 0.7b 11 11 9 7 4 1 3 6 9	0.4b 0.6b 6 5 3 2 0 2 3 5 6	0.5b 0 0 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	CORNER 0 -3 -6 -8 -10 -11 -12 -11 -9 -5 0	0.1b 0.9b 0 1 2 3 4 6 7 8 8 7 0	0.2b 0.8b 0.8b 10 14 18 22 24 22 14 0 Coef	0.3b 0.7b 0 8 16 23 29 34 36 35 30 19 0	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22 0	0.5b 0 10 21 30 37 43 45 43 36 22 0	0 -14 -28 -40 -56 -58 -54 -44 -26 0	M, 0.1b 0.9b 0 -3 -5 -7 -8 -8 -7 -5 -3 -1 0 M, 0.1c 0.9c	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6 0 0.2c 0.8c	0.3b 0.7b 0 5 9 13 16 17 18 16 13 7 0 fficien 0.3c 0.7c	0.4b 0.6b 0 5 10 14 18 19 19 18 14 8 0	0.5b 0' 5: 10 15: 18 20 20 18 14 8 0	2 2 1 1 0 0 0 1 2 2 3 3 CORNER	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20 My 0.1c 0.9c	0.2b 0.8b 15 15 13 10 6 1 4 9 13 17 18 0.2c 0.8c	0.3b 0.7b 11 11 9 7 4 1 3 6 9 11 12 fficier 0.3c 0.7c	0.4b 0.6b 6 5 3 2 0 2 3 5 6 6 0.4c 0.6c	0.5b 0 0 0 0 0 0 0 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	O -3 -6 -8 -10 -11 -12 -11 -9 -5 0	0.1b 0.9b 0 1 2 3 4 6 7 8 8 7 0 M ,	0.2b 0.8b 0 0.8b 10 14 18 22 24 24 22 14 0 0 Coef	0.3b 0.7b 0 8 16 23 29 34 36 35 30 19 0 ficien 0.3c 0.7c	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22 0 0.4c 0.6c	0.5b 0 10 21 30 37 43 45 43 36 22 0	0 -14 -28 -40 -56 -58 -54 -44 -26 0	M, 0.1b 0.9b 0.9 -3 -5 -7 -8 -8 -8 -7 -5 -3 -1 0 M, 0.1c 0.9c	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6 0 0.2c 0.8c	0.3b 0.7b 0 5 9 13 16 17 18 16 13 7 0 fficien 0.3c 0.7c	0.4b 0.6b 0 5 10 14 18 19 19 18 14 8 0 0 11 0.4c 0.6c	0.5b 0 5 10 15 18 20 20 18 14 8 0	2 2 1 1 0 0 0 1 2 2 3 3 CORNER 2	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20 M _y 0.1c 0.9c	0.2b 0.8b 15 15 13 10 6 1 4 9 13 17 18 0.2c 0.8c 12	0.3b 0.7b 11 11 9 7 4 1 3 6 9 11 12 fficier 0.3c 0.7c	0.4b 0.6b 6 5 3 2 0 2 3 5 6 6 0.4c 0.6c 6	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	CORNER 0 -3 -6 -8 -10 -11 -12 -11 -9 -5 0	0.1b 0.9b 0 1 2 3 4 6 7 8 8 7 0	0.2b 0.8b 0.8b 10 14 18 22 24 22 14 0 Coef	0.3b 0.7b 0 8 16 23 29 34 36 35 30 19 0	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22 0	0.5b 0 10 21 30 37 43 45 43 36 22 0	0 -14 -28 -40 -56 -58 -54 -44 -26 0	M, 0.1b 0.9b 0 -3 -5 -7 -8 -8 -7 -5 -3 -1 0 M, 0.1c 0.9c	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6 0 0.2c 0.8c	0.3b 0.7b 0 5 9 13 16 17 18 16 13 7 0 fficier 0.3c 0.7c	0.4b 0.6b 0 5 10 14 18 19 19 18 14 8 0	0.5b 0' 5: 10 15: 18 20 20 18 14 8 0	2 2 1 1 0 0 0 1 2 2 3 3 CORNER	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20 My 0.1c 0.9c	0.2b 0.8b 15 13 10 6 1 4 9 13 17 18 Coe 0.2c 0.8c 12	0.3b 0.7b 11 11 9 7 4 1 3 6 9 11 12 fficier 0.3c 0.7c	0.4b 0.6b 6 5 3 2 0 2 3 5 6 6 0.4c 0.6c	0.5b 0 0 0 0 0 0 0 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	CORNER 0 -3 -6 -8 -10 -11 -12 -11 -9 -5 0 CORNER 0 -3 -6 -8	0.1b 0.9b 0 1 2 3 4 6 7 8 8 7 0 M ,	0.2b 0.8b 0.8b 10 14 18 22 24 24 22 14 0 Coef 0.2c 0.8c	0.3b 0.7b 0 8 16 23 29 34 36 35 30 19 0 ficien 0.3c 0.7c 4	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22 0 0.4c 0.6c 0 5 11 16	0.5b 0 10 21 30 37 43 45 43 36 22 0 0.5c 0 6 12	CORNER 0 -14 -28 -40 -50 -56 -58 -54 -44 -26 0 CORNER 0 -14 -28 -40	M, 0.1b 0.9b 0 -3 -5 -7 -8 -8 -8 -7 -5 -3 -1 0 M, 0.1c 0.9c 0 -5 -9 -13	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6 0 Coe 0.2c 0.8c 0 1 2 3	0.3b 0.7b 0.7b 0 5 9 13 16 17 18 16 13 7 0 fficier 0.3c 0.7c 0 4 7	0.4b 0.6b 0.6b 10 14 18 19 19 18 14 8 0 0 11 0.4c 0.6c 0 5 10 14	0.5b 0 5 10 15 18 20 20 18 14 8 0 0.5c	2 2 1 1 0 0 0 1 2 2 3 3 CORNER 2 2 2 2 1 1	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20 M, 0.1c 0.9c 10 9	0.2b 0.8b 15 13 10 6 1 4 9 13 17 18 Coe 0.2c 0.8c 12 11	0.3b 0.7b 11 11 9 7 4 1 3 6 9 11 12 fficier 0.3c 0.7c 10 10 9	0.4b 0.6b 6 5 3 2 0 2 3 5 6 6 0.4c 0.6c 6 5 4	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
-	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	CORNER 0 -3 -6 -8 -10 -11 -12 -11 -9 -5 0 CORNER 0 -3 -6 -8 -10	0.1b 0.9b 0 1 2 3 4 6 7 8 8 8 7 0 0.1c 0.9c	0.2b 0.8b 0.8b 10 14 18 22 24 24 22 14 0 Coef 0.2c 0.8c 0.2c 0.8c 0.6 8	0.3b 0.7b 0.7b 0 8 16 23 29 34 36 35 30 19 0 ficien 0.3c 0.7c 4 8 12 16	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22 0 0.4c 0.6c 0 5 11 16 21	0.5b 0 10 21 30 37 43 45 43 36 22 0 0.5c 0 6 12 17 23	CORNER 0 -14 -28 -40 -50 -56 -58 -54 -44 -26 0 CORNER 0 -14 -28 -40 -50	0.1b 0.9b 0 -3 -5 -7 -8 -8 -7 -5 -3 -1 0 0.1c 0.9c 0 -5 -9 -13 -15	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6 0 0.2c 0.8c 0 0.8c 1 2 3 4	0.3b 0.7b 0.7b 0 5 9 13 16 17 18 16 13 7 0 fficier 0.3c 0.7c 0.7c 4 7 11 13	0.4b 0.6b 0.6b 10 14 18 19 19 18 14 8 0 0 11 0.4c 0.6c 0 5 10 14 17	0.5b 0 5 10 15 18 20 20 18 14 8 0 0.5c 0 6 11 15 19	2 2 1 1 0 0 0 1 2 2 3 3 CORNER 2 2 2 1 1 1 1	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20 My 0.1c 0.9c 10 9 7 5	0.2b 0.8b 15 13 10 6 1 4 9 13 17 18 Coe 0.2c 0.8c 12 11 9 6	0.3b 0.7b 11 11 9 7 4 1 3 6 9 11 12 fficier 0.3c 0.7c 10 10 9	0.4b 0.6b 6 5 3 2 0 2 3 5 6 6 0.4c 0.6c 6 5 4	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	CORNER 0 -3 -6 -8 -10 -11 -12 -11 -9 -5 0 CORNER 0 -3 -6 -8 -10	0.1b 0.9b 0 1 2 3 4 6 7 8 8 8 7 0 0.1c 0.9c 0 -1 -1 -1 0	0.2b 0.8b 0.8b 10 14 18 22 24 24 22 14 0 Coef 0.2c 0.8c 0.2c 0.8c 0.6 8	0.3b 0.7b 0.7b 0 8 16 23 29 34 36 35 30 19 0 ficien 0.3c 0.7c 4 8 12 16	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22 0 0.4c 0.6c 0 5 11 16 21	0.5b 0 10 21 30 37 43 45 43 36 22 0 0.5c 0 6 12 17 23	CORNER 0 -14 -28 -40 -50 -56 -58 -54 -44 -26 0 CORNER 0 -14 -28 -40 -50	0.1b 0.9b 0 -3 -5 -7 -8 -8 -7 -5 -3 -1 0 0.1c 0.9c 0 -5 -9 -13 -15	0.2b 0.8b 0 3 5 7 9 11 11 11 9 6 0 0.2c 0.8c 0 0.8c 1 2 3 4	0.3b 0.7b 0.7b 0 5 9 13 16 17 18 16 13 7 0 fficier 0.3c 0.7c 0.7c 4 7 11 13	0.4b 0.6b 0.6b 10 14 18 19 19 18 14 8 0 0 11 0.4c 0.6c 0 5 10 14 17	0.5b 0 5 10 15 18 20 20 18 14 8 0 0.5c 0 6 11 15 19	2 2 1 1 0 0 0 1 2 2 3 3 CORNER 2 2 2 1 1 1 1	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20 My 0.1c 0.9c 10 9 7 5	0.2b 0.8b 15 13 10 6 1 4 9 13 17 18 Coe 0.2c 0.8c 12 11 9 6	0.3b 0.7b 11 11 9 7 4 1 3 6 9 11 12 fficier 0.3c 0.7c 10 10 9	0.4b 0.6b 6 5 3 2 0 2 3 5 6 6 0.4c 0.6c 6 5 4	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.6a 0.7a	CORNER 0 -3 -6 -8 -10 -11 -12 -11 -9 -5 0 CORNER 0 -3 -6 -8 -10 -11 -12 -11	0.1b 0.9b 0 0 1 2 3 4 6 7 8 8 8 7 0 0.1c 0.9c 0.9c	0.2b 0.8b 0.8b 10 14 18 22 24 22 14 0 Coef 0.2c 0.8c 0.8c 0 4 6 8 11 13 14	0.3b 0.7b 0.7b 0.8 16 23 29 34 36 35 30 19 0 ficien 0.3c 0.7c 0 4 8 12 16 20 22 23 21 14	0.4b 0.6b 0 10 19 28 35 40 43 41 35 22 0 t 0.4c 0.6c 5 11 16 21 25 28 28	0.5b 0 10 21 30 37 43 45 43 36 22 0 0.5c 0 6 12 17 23 27 30 30	CORNER 0 -14 -28 -40 -50 -56 -58 -54 -44 -26 0 CORNER 0 -14 -28 -40 -50 -56 -58 -54	0.1b 0.9b 0.9b -3 -5 -7 -8 -8 -8 -7 -5 -3 -1 0 0.1c 0.9c 0.9c -13 -15 -16 -15 -13	0.2b 0.8b 0 3 5 7 9 11 11 11 11 11 9 6 0 0.2c 0.8c 0 0.8c 0 1 1 2 3 4 4 5 6 6 6	0.3b 0.7b 0.7b 13 16 17 18 16 19 7 0.3c 0.7c 0.3c 0.7c 11 13 15 15 14	0.4b 0.6b 0 5 10 14 18 19 19 18 14 8 0 0.4c 0.6c 0.5 10 14 17 19 18	0.5b 0 5 10 15 18 20 20 18 14 8 0 0.5c 0 6 11 15 19 20 21 19	CORNER 2 2 1 1 1 0 0 1 2 2 3 3 0 0 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.1b 0.9b 15 14 13 10 7 2 3 8 14 18 20 0.1c 0.9c 10 9 9 7 5	0.2b 0.8b 15 15 13 10 6 1 4 9 13 17 18 0.2c 0.8c 12 11 9 6 12 17 18	0.3b 0.7b 11 11 9 7 4 1 3 6 9 11 12 fficier 0.3c 0.7c 10 10 9 7 4 1	0.4b 0.6b 6 5 3 2 0 2 3 5 6 6 0.4c 0.6c 5 4 2 1 1 3	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Tank Analysis Results

Moment = Coef. $\times qa^2/1000$



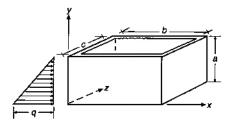
$\frac{b}{a} = 2.0, \frac{c}{a}$	= 1.0		М	x Coe	fficier	nt			М	, Coe	fficler	nt			М	v Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
	100		0.9b	0.8b	0.7ь	0.6b	1		0.95	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	6	16	15	11	5	0
	0.9a	-2	2	6	8	10	11	-12	-2	3	5	5	5	5	15	14	10	5	0
	0.8a	-5	3	11	17	20	21	-23	-3	6	9	10	10	5	13	13	9	4	0
	0.7a	-7	5	16	24	29	31	-33	-4	8	13	14	15	4	11	10	7	3	0
Long Side	0.6a	-8	7	20	30	36	38	-41	-5	11	16	17	18	2	7	6	4	2	0
	0.5a	-9	8	24	35	42	44	-46	-5	12	181	19	19	0	2	1	1:	0	0
	0.4a	-10	9	26	38	44	46	-49	-4	13	18	19	19	2	3	4	3	1	0
	0.3a	-9	10	26	37	42	44	-46	-2	12	16	17	18	3	9	9	6	3	0
	0.2a	-8	10	23	31	36	37	-38	-1	10	13	14	14	5	14	13	9	4	0
	0.1a	-5	7	15	20	22	23	-23	0	6	8	8	8	6	19	16	11	5	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	6:	20	18	12	6	0

M, Coefficient M_v Coefficient M_{vz} Coefficient CORNER 0.1c 0.2c | 0.3c | 0.4c | 0.5c | ∞RNER | 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.3c 0.4c 0.5c 0.9c 0.8¢ 0.7c 0.6c 0.7c 0.6c 0.9c 0.8c 0.9c 0.8c 0.7c 0.6c TOP ō 0 0 Ó 6 0 0.9a -2 -1 -1 -12 5 3 0.8a -5 -3 히 2 -1 1 -23 -11 -3 5 2 4 2 3 0.7a 2 -33 -16 -4 4 8 1 10 4 2 4 3 2 0 **Short Side** 0.6a -8 -5 -† 2 4 5 7 -41 -19 5 10 12 2 2 3 3 2 0 0.5a -9 -5 0 4 6 -46 -21 12 14 0 2 2 1 ō 1 0.4a -10 -41 6 9 10 -49 -21 -3 8 13 15 2 o ā 0 0.3a -3 8 11 -g 3 12 -46 -18 -2 8. 13 14 3 0 2 2 0 0.2a -8 -1 5 9 13 12 -38 -13 0 7 10 11 5 2 5 5 3 0 0.1a -5 0 5 9 10 -23 -7 1 4 6 6 5 8 7 BOT. 0 0 0 o o 0 6 6 9

 $\frac{b}{a} = 2.0, \frac{c}{a} = 0.5$ M_x Coefficient M., Coefficient M_{xy} Coefficient 0.1b 0.2b 0.3b 0.4b 0.5b 0.1b | 0.2b | 0.3b | 0.4b 0.5b 0.15 0.2b 0.3b 0.4b 0.9b 0.8b 0.7b 0.6b 0.9b 0.85 0.7b 0.6b 0.9b 0.8b 0.7b 0.6b TOP 0 0 0 10 17 15 10 0 5 0.9a -2 2 6 9 11 11 5 5 10 16 14 0 10 5 0.8a ů 5 12 18 21 22 -17 9 0 10 10 14 13 9 0 0.7a -5 18 26 30 32 -24 10 13 14 7 14 11 10 6 3 0 -6 9 0.6a 23 32 38 40 -30 0 12 16 17 17 Long Side 7 6 2 0.5a -7 11 26 37 43 45 -34 0 14 18 19 19 1 2 1 1 0 0.4a 12 28 40 46 48 -36 14 18 19 19 2 3 4 ŏ 3 0.3a 13 28 38 44 2 46 14 -35 17 17 17 6 9 9 6 3 0 0.2a -6 12 25 32 37 2 38 -29 11 13 14 14 9 15 13 9 4 ō 0.1a 20 8 16 22 23 -18 2 7 8 8 8 11 20 16 11 5 0 0 BOT. 0 0 ō 0 0 0 0 Õ 0 0 12 21 17 11 0

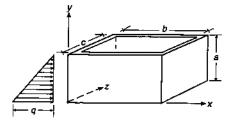
M., Coefficient M. Coefficient Myz Coefficient CORNER 0.1c 0.2¢ 0.3c 0.5c 0.4c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c 0.8c 0.9c 0.7¢ 0.60 0.9c 0.7c 0.8c 0.7¢ 0.6c 0.9c 0.8c 0.6c TOP 0 0 0 0 0 0 0 0 10 0 0.9a -2 -3 -2 -2 -2 -2 -2 -5 -7 -4 -3 -3 10 7 4 ¢ -3 0.8a -3 -3 -3 -3 -17 -13 -10 -8 -6 -6 6 2 1 0 0.7a -5 -5 -5 -5 -5 -9 -24 -18 -14 -11 -8 4 3 7 0 0.6a -6 -6 -6 -6 -6 -6 -30 -22 -17 -12 4 -10 -9 **Short Side** 2 1 0 0 0.5a -7 -7 -6 -6 -6 -34 -25 -18 -13 -10 -9 1 0 0 0 ō Ö 0.4a -6 -6 -5 -5 -36 -25 -17 -12 -8 -9 2 2 2 0 0.3a -7 -6 -5 -4 -4 -35 -23 -15 -9 -6 -5 6 4 3 2 1 0.2a -6 -5 -3 -2 -1 -29 -18 -11 -6 -3 -2 9 2 6 4 1 0 -4 -2 0.1a -1 0 -18 -10 -5 -2 -1 0 11 6 3 1 1 0 BOT. 0 0 0 0 0 12

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 1.5, \frac{c}{a} =$	1.0		М	, Coe	fficier	nt			М	, Coe	fficier	nt			M,	, Соє	fficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
	TOP	0	0.9b 0	0.8b	0.7b	0.6b 0	0	-0	0.9b 0	0.8b 0	0.7b 0	0.6b	0	4	0.9b 12	0.8b 13	0.7b 10	0.6b 5	0
	0.9a	-2		•			7	-11	-3	2	4	5	- 6	4	12	12	10	5	- 0
	0.8a	-4					13	-21	-6	3	8	10	11	3	10	11	8	4	0
	0.7a	-6		9	15	18	20	-30	-8	5	12	15	15	3	8	9	7	3	0
Long Side	0.6a	-8			19		25	-38	-9	6	14	18	19	1	6	6	4	2	0
	0.5a 0.4a	-9 -9	3		22 25	28 30	30 32	-43 -46	-10 -9	8 8	16 16	20 20	21 21	0	2	3	1 2	0	0
	0.3a	-9	4	17	25	31	32	-44	-8	8	15	18	19	2	6	7	6	3	
	0.2a	-7	5	15	23	27	28	-36	-5	7	12	14	15	3	11	12	9	5	0
	0.1a	-4	4			17	18	-22	-2	5	7	8	8	4	15	15	11	6	D
	ВОТ.	0	0	0	0	0	0	0	0	0	0	0	D	5	17	16	12	6	0
	1			Coef							fficier						fficier	_	
		CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	CORNER	0.1c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c
	TOP	D	0.90	0.00	0.70	0.60	0	0	0.50	0.60	0.70	0.00	0	4	2	5	5	3	0
	0.9a	-2	-1	0	0	1	1	-11	-5	-1	2	3	3	4	2	5	4	3	0
	0.8a	-4		-1	1	2	2	-21	-10	-2	3	6	7	3	2	4	4	2	0
	0.7a	-6 -8	-3 -4	-1 0	3	3 5	6	-30 -38	-14 -17	-3 -3	5	9	10	3	2	3	3	2	0
Short Side	0.6a 0.5a	-9	-4	1	5	7	8	-36 -43	-17	-3 -3	7	13	14	<u>'</u>	2	2	- 1	1	0
	0.4a	-9	-4	2	7		11	-46	-19	-2	8	14	15	1	1	0	- 6		0
	0.3a	-9	-2	4	9	12	13	-44	-17	-1	8	13	14	2	1	2	3	2	0
	0.2a	-7	-1	5	10	12	13	-36	-12	1	7	11	12	3	3	5	5	3	0
	0.1a	-4	1	5		9	10	-22	-61	1	_5	6	7	4	6	8	7	4	0
	BOT.	0	0	0	0	0	0	0,	O,	0	0	0	0	5	7	9	8	4	0
$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5		M,	Coe	ficien	nt			М,	Coe	fficien	nt			M _×	, Coe	fficier	nt	_
$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5 TOP			0.2b 0.8b			0.5b	CORNER					0.5b	CORNER 9				0.4b 0.6b	
$\frac{b}{a} = 1.5, \frac{c}{a} =$		0 -2	0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b	0.4b 0.6b	0 7	0 -8	0.1b 0.9b 0	0.2b 0.8b	0.3b 0.7b 0	0.4b 0.6b 0	0	9	0.1b 0.9b 14 13	0.2b 0.8b	0.3b 0.7b	0.4b	0
$\frac{b}{a} = 1.5, \frac{c}{a} =$	TOP 0.9a 0.8a	0 -2 -3	0.1b 0.9b 0 1	0.2b 0.8b 0 4	0.3b 0.7b 0 6 11	0.4b 0.6b 0 7 14	0 7 15	0 -8 -15	0.1b 0.9b 0 -1	0.2b 0.8b 0 3	0.3b 0.7b 0 5	0.4b 0.6b 0 5	0 6 11	9 8 7	0.1b 0.9b 14 13 12	0.2b 0.8b 13 13	0.3b 0.7b 10 10 8	0.4b 0.6b 5 5	0 0
	TOP 0.9a 0.8a 0.7a	0 -2 -3 -4	0.1b 0.9b 0 1 3	0.2b 0.8b 0 4 8	0.3b 0.7b 0 6 11	0.4b 0.6b 0 7 14 20	0 7 15 22	-8 -15 -22	0.1b 0.9b 0 -1 -2 -3	0.2b 0.8b 0 3 5	0.3b 0.7b 0 5 9	0.4b 0.6b 0 5 11	0 6 11 16	9 8 7 6	0.1b 0.9b 14 13 12 10	0.2b 0.8b 13 13 11 9	0.3b 0.7b 10 10 8 7	0.4b 0.6b 5 5 4 3	0 0 0
$\frac{b}{a}$ = 1.5, $\frac{c}{a}$ = Long Side	TOP 0.9a 0.8a 0.7a 0.6a	0 -2 -3 -4 -5	0.1b 0.9b 0 1 3 4	0.2b 0.8b 0 4 8 11	0.3b 0.7b 0 6 11 17 22	0.4b 0.6b 0 7 14 20 26	0 7 15 22 28	0 -8 -15 -22 -27	0.1b 0.9b 0 -1 -2 -3	0.2b 0.8b 0 3 5 7	0.3b 0.7b 0 5 9 13	0.4b 0.6b 0 5 11 15	0 6 11 16	9 8 7 6 4	0.1b 0.9b 14 13 12 10	0.2b 0.8b 13 13 11 9	0.3b 0.7b 10 10 8 7	0.4b 0.6b 5 5 4 3	0 0 0 0
	TOP 0.9a 0.8a 0.7a	0 -2 -3 -4	0.1b 0.9b 0 1 3	0.2b 0.8b 0 4 8	0.3b 0.7b 0 6 11	0.4b 0.6b 0 7 14 20	0 7 15 22	-8 -15 -22	0.1b 0.9b 0 -1 -2 -3	0.2b 0.8b 0 3 5	0.3b 0.7b 0 5 9	0.4b 0.6b 0 5 11	0 6 11 16	9 8 7 6	0.1b 0.9b 14 13 12 10	0.2b 0.8b 13 13 11 9	0.3b 0.7b 10 10 8 7	0.4b 0.6b 5 5 4 3	0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -2 -3 -4 -5 -6 -7 -6	0.1b 0.9b 0 1 3 4 5 6 7	0.2b 0.8b 0 4 8 11 14 17 19	0.3b 0.7b 0 6 11 17 22 25 28 28	0.4b 0.6b 0 7 14 20 26 31 33 33	0 7 15 22 28 32 35 34	0 -8 -15 -22 -27 -31 -33 -32	0.1b 0.9b 0 -1 -2 -3 -4	0.2b 0.8b 0 3 5 7 9 10 11	0.3b 0.7b 0 5 9 13 15 17 18	0.4b 0.6b 0 5 11 15 18 20 20	0 6 11 16 19 21 21	9 8 7 6 4 1 2	0.1b 0.9b 14 13 12 10 6 2 2 8	0.2b 0.8b 13 13 11 9 6 2 3 8	0.3b 0.7b 10 10 8 7 4 1 2	0.4b 0.6b 5 5 4 3 2	0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -2 -3 -4 -5 -6 -7 -6 -5	0.1b 0.9b 0 1 3 4 5 6 7	0.2b 0.8b 0 4 8 11 14 17 19 19	0.3b 0.7b 0 6 11 17 22 25 28 28 24	0.4b 0.6b 0 7 14 20 26 31 33 33 28	0 7 15 22 28 32 35 34 30	0 -8 -15 -22 -27 -31 -33 -32 -27	0.1b 0.9b 0 -1 -2 -3 -4 -4 -2 -3	0.2b 0.8b 0 3 5 7 9 10 11 11	0.3b 0.7b 0 5 13 15 17 18 16 13	0.4b 0.6b 0 5 11 15 18 20 20 18 14	0 6 11 16 19 21 21 19	9 8 7 6 4 1 2 5 8	0.1b 0.9b 14 13 12 10 6 2 2 8 13	0.2b 0.8b 13 13 11 9 6 2 3 8 12	0.3b 0.7b 10 10 8 7 4 1 2 6	0.4b 0.6b 5 4 3 2 0 1 3 4	0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -2 -3 -4 -5 -6 -7 -7 -8 -5 -3	0.1b 0.9b 0 1 3 4 5 6 7 7	0.2b 0.8b 0 4 8 11 14 17 19 19	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16	0.4b 0.6b 0 7 14 20 26 31 33 33 28	0 7 15 22 28 32 35 34 30	0 -8 -15 -22 -27 -31 -33 -32 -27 -17	0.1b 0.9b 0 -1 -2 -3 -4 -4 -4 -2 -3 -2 -1	0.2b 0.8b 0 3 5 7 9 10 11 11 9	0.3b 0.7b 0 5 9 13 15 17 18 16 13	0.4b 0.6b 0 5 11 15 18 20 20 18 14	0 6 11 16 19 21 21 19 15	9 8 7 6 4 1 2 5 8	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17	0.2b 0.8b 13 13 11 9 6 2 3 8 12	0.3b 0.7b 10 10 8 7 4 1 2 6 9	0.4b 0.6b 5 5 4 3 2 0 1 3 4	0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -2 -3 -4 -5 -6 -7 -6 -5	0.1b 0.9b 0 1 3 4 5 6 7 7 7 6	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18	0 7 15 22 28 32 35 34 30	0 -8 -15 -22 -27 -31 -33 -32 -27	0.1b 0.9b 0 -1 -2 -3 -4 -4 -3 -2 -1 0	0.2b 0.8b 0 3 5 7 9 10 11 11 9 6 0	0.3b 0.7b 0 5 9 13 15 17 18 16 13 8	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8	0 6 11 16 19 21 21 19	9 8 7 6 4 1 2 5 8	0.1b 0.9b 14 13 12 10 6 2 2 8 13	0.2b 0.8b 13 13 11 9 6 2 3 8 12	0.3b 0.7b 10 10 8 7 4 1 2 6	0.4b 0.6b 5 4 3 2 0 1 3 4	0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -2 -3 -4 -5 -6 -7 -6 -5 -3 0	0.1b 0.9b 0 1 3 4 5 6 7 7 7 6 0	0.2b 0.8b 0 4 8 11 14 17 19 18 12 0	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0	0 7 15 22 28 32 35 34 30 19	0 -8 -15 -22 -27 -31 -33 -32 -27 -17	0.1b 0.9b 0 -1 -2 -3 -4 -4 -3 -2 -1 0 0	0.2b 0.8b 0 3 5 7 9 10 11 11 9 6 0	0.3b 0.7b 0 5 9 13 15 17 18 16 13 8 0	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0	0 6 11 16 19 21 21 19 15 8 0	9 8 7 6 4 1 2 5 8 10	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12	0.4b 0.6b 5 5 4 3 2 0 11 3 4 6 6	0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -2 -3 -4 -5 -6 -7 -7 -8 -5 -3	0.1b 0.9b 0 1 3 4 5 6 7 7 7 6 0 0.1c	0.2b 0.8b 0 4 8 11 14 17 19 18 12 0 Coef	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0	0 7 15 22 28 32 35 34 30	0 -8 -15 -22 -27 -31 -33 -32 -27 -17	0.1b 0.9b 0 -1 -2 -3 -4 -4 -3 -2 -1 0 0 0 M,	0.2b 0.8b 0 3 5 7 10 11 11 11 0 6 0 0.2c	0.3b 0.7b 0 5 9 13 15 17 18 16 13 8 0	0.4b 0.6b 0 5 11 15 18 20 18 14 8 0	0 6 11 16 19 21 21 19 15	9 8 7 6 4 1 2 5 8	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c	0.4b 0.6b 5 4 3 2 0 1 3 4 6 6	0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -2 -3 -4 -5 -6 -7 -6 -5 -3 0	0.1b 0.9b 0 1 3 4 5 6 7 7 7 6 0	0.2b 0.8b 0 4 8 11 14 17 19 18 12 0	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0	0 7 15 22 28 32 35 34 30 19	0 -8 -15 -22 -27 -31 -33 -32 -27 -17	0.1b 0.9b 0 -1 -2 -3 -4 -4 -3 -2 -1 0 0	0.2b 0.8b 0 3 5 7 9 10 11 11 9 6 0	0.3b 0.7b 0 5 9 13 15 17 18 16 13 8 0	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0	0 6 11 16 19 21 21 19 15 8 0	9 8 7 6 4 1 2 5 8 10	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12	0.4b 0.6b 5 5 4 3 2 0 11 3 4 6 6	0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT.	0 -2 -3 -4 -5 -6 -7 -6 -5 -3 0 0 CORNER	0.1b 0.9b 0 1 3 4 5 6 7 7 6 0 0.1c 0.9c 0	0.2b 0.8b 0 4 8 11 14 17 19 18 12 0 Coef 0.2c 0.8c 0 -2	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0 ficien 0.3c 0.7c 0 -2	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0 -2	0 7 15 22 28 32 35 34 30 19 0	0 -8 -15 -22 -27 -31 -333 -32 -27 -17 0	0.1b 0.9b 0.1 -2 -3 -4 -4 -3 -2 -1 0 0.1c 0.9c 0 -6	0.2b 0.8b 0 3 5 7 9 10 11 11 0 6 0 0 Coe 0.2c 0.8c	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 (Control of the control of the co	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0 0 1t 0.4c 0.6c 0 -3	0 6 11 16 19 21 21 15 8 0	9 8 7 6 4 1 2 5 8 10 11 CORNER 9 8	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19 My 0.1c 0.9c 6	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.2c 0.8c 4	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1	0 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a	0 -2 -3 -4 -5 -6 -7 -6 -5 -3 0 0 -2 -3	0.1b 0.9b 0 1 3 4 5 6 7 7 6 0 0.1c 0.9c 0 -2 -3	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12 0 0.2c 0.8c 0 -2 -3	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0 ficien 0.3c 0.7c 0 -2	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0 -2 -3	0 7 15 22 28 32 35 34 30 19 0	0 -8 -15 -22 -27 -31 -33 -32 -27 -17 0 0 CORNER -0 -8 -15	0.1b 0.9b 0 -1 -2 -3 -4 -4 -3 -2 -1 0 0 0 M, 0.1c 0.9c 0 -6 -11	0.2b 0.8b 0 3 5 7 9 10 11 11 9 6 0 Coe 0.2c 0.8c 0 -4	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 0.3c 0.7c 0 -3 -7	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0 0 1t 0.4c 0.6c 0 -3	0 6 11 16 19 21 21 19 15 8 0	9 8 7 6 4 1 2 5 8 10 11 CORNER 9 8 7	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19 My 0.1c 0.9c 6 6 5	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.2c 0.8c 4 4 3	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2 2	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1	0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	0 -2 -3 -4 -5 -6 -7 -6 -5 -3 0 0 CORNER	0.1b 0.9b 0 1 3 4 5 6 7 7 6 0 0.1c 0.9c 0 -2 -3 -4	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12 0 0.2c 0.8c 0 -2 -3 -4	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0 ficien 0.3c 0.7c 0 -2 -3 -4	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0 -2 -3 -4	0 7 15 22 28 32 35 34 30 19 0	0 -8 -15 -22 -27 -17 0 0 -8 -15 -22 -27 -27 -27 -27 -27 -27 -27 -27 -27	0.1b 0.9b 0.9b -1 -2 -3 -4 -4 -3 -2 -1 0 0 M, 0.1c 0.9c 0 -6 -11 -16	0.2b 0.8b 0 3 5 7 9 10 11 11 9 6 0 0 0.2c 0.8c 0 -4 -9 -12	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 0.3c 0.7c 0 -3 -7	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0 0 1t 0.4c 0.6c 0 -3 -5 -7	0 6 11 16 19 21 21 19 15 8 0	9 8 7 6 4 1 2 5 8 10 11 CORNER 9 8 7 6 6	0.1b 0.9b 14 13 12 10 6 2 8 13 17 19 My 0.1c 0.9c 6 6 5	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.2c 0.8c 4 4 3 2	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2 2 1	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1 1	0 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	0 -2 -3 -4 -5 -6 -5 -3 0 0 -2 -3 -4 -5	0.1b 0.9b 0 1 3 4 5 6 7 7 6 0 0.1c 0.9c 0 -2 -3 -4 -5	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12 0 0.2c 0.8c 0 -2 -3 -4	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0 0.3c 0.7c 0.7c -2 -3 -4 -5	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0 -2 -3 -4	0 7 15 22 28 32 35 34 30 19 0	0 -8 -15 -22 -27 -17 0 0 CORNER 0 -8 -15 -22 -27 -27 -27 -27 -27	0.1b 0.9b 0 -1 -2 -3 -4 -4 -4 -3 -2 -1 0 0 MM, 0.1c 0.9c 0 -6 -11 -16 -20	0.2b 0.8b 0 3 5 7 9 10 11 11 9 6 0 0 0 0 0 0 0 0 0 0 0 0 0	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 0.3c 0.7c 0.7c 0.3c 0.7c	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0 0 1t 0.4c 0.6c 0 -3 -5 -7 -8	0 6 11 16 19 21 21 19 15 8 0 0.5c	9 8 7 6 8 10 11 CORNER 9 8 7 6 4 4	0.1b 0.9b 14 13 12 10 6 2 8 13 17 19 My 0.1c 0.9c 6 6 6 5 4	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.8c 4 4 3 2 1	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2 2 1 0	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1 1	0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	0 -2 -3 -4 -5 -6 -7 -6 -5 -3 0 0 CORNER	0.1b 0.9b 0 1 3 4 5 6 7 7 6 0 0.1c 0.9c 0 -2 -3 -4	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12 0 0.2c 0.8c 0 -2 -3 -4	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0 ficien 0.3c 0.7c 0 -2 -3 -4	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0.6c -2 -3 -4 -5 -5 -5	0 7 15 22 28 32 35 34 30 19 0	0 -8 -15 -22 -27 -17 0 0 -8 -15 -22 -27 -27 -27 -27 -27 -27 -27 -27 -27	0.1b 0.9b 0.9b -1 -2 -3 -4 -4 -3 -2 -1 0 0 M, 0.1c 0.9c 0 -6 -11 -16	0.2b 0.8b 0 3 5 7 9 10 11 11 9 6 0 0 0.2c 0.8c 0 -4 -9 -12	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 0.3c 0.7c 0 -3 -7	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0 0.4c 0.6c 0.3 -5 -7 -8 -8 -8	0 6 11 16 19 21 21 19 15 8 0	9 8 7 6 4 1 2 5 8 10 11 CORNER 9 8 7 6 6	0.1b 0.9b 14 13 12 10 6 2 8 13 17 19 My 0.1c 0.9c 6 6 5	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.2c 0.8c 4 4 3 2	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2 2 1	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1 1	0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -2 -3 -4 -5 -6 -6 -7 -6	0.1b 0.9b 0 1 3 4 5 6 7 7 7 6 0 0.1c 0.9c 0.9c 0.2 -3 -4 -5 -6 -6 -6 -6 -6 -6 -6 -6 -7	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12 0 0.2c 0.8c 0 -2 -3 -4 -5 -5 -5	0.3b 0.7b 0 6 6 11 17 22 25 28 24 16 0 0.3c 0.7c 0.7c -2 -3 -4 -5 -5 -5	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0.6c -2 -3 -4 -5 -5 -5 -5 -3	0 7 7 15 22 28 32 35 34 30 19 0 0 .5c 0 -2 -3 -4 -4 -5 -5 -4 -4 -3	0 -8 -15 -22 -27 -17 0 0 -8 -15 -22 -27 -31 -33 -32 -27 -31 -33 -32 -32	0.1b 0.9b 0.9b -1 -2 -3 -4 -4 -4 -3 -2 -1 0 0.1c 0.9c -6 -11 -16 -20 -22 -23 -21	0.2b 0.8b 0 3 5 7 9 10 11 11 11 9 6 0.2c 0.8c 0.4 -9 -12 -14 -16 -15 -13	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 0.3c 0.7c 0.3c 0.7c 0.3c 11 -11 -10 -8	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0 0.4c 0.6c 0 -3 -5 -7 -8 -8 -8 -7 -5	0 6 11 16 19 21 21 19 15 8 0 0.5c	9 8 7 6 8 10 11 CORNER 9 8 7 6 4 1 1 2 2 5	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19 My 0.1c 0.9c 6 6 6 6 5 4 2 4	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.8c 4 4 3 2 1 0 2 3	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2 2 1 0 0 1 1 2	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1 1 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.5a	0 -2 -3 -4 -5 -6 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5 -5	0.1b 0.9b 0 1 3 4 5 6 7 7 7 6 0.1c 0.9c 0.9c 0 -2 -3 -4 -5 -6 -6 -6 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12 0 0.2c 0.8c 0 -2 -3 -4 -5 -5 -5 -5	0.3b 0.7b 0 6 611 17 22 25 28 24 16 0 0.3c 0.7c 0.7c -2 -3 -4 -5 -5 -5 -5 -5	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0.6c -2 -3 -4 -5 -5 -5 -5 -1	0 7 7 15 22 28 32 35 34 30 19 0 0 -2 -3 -4 -5 -5 -4 -4 -3 -1	0 -8 -15 -22 -27 -17 0 0 -8 -15 -22 -27 -31 -33 -32 -27 -31 -33 -32 -27	0.1b 0.9b 0.9b -1 -2 -3 -4 -4 -4 -3 -2 -1 0 0 0.1c 0.9c -6 -11 -16 -20 -22 -23 -21 -17	0.2b 0.8b 0 3 5 7 9 10 11 11 11 9 6 0.2c 0.8c 0.4 -9 -12 -14 -16 -15 -13	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 0.3c 0.7c 0.3c 0.7c 0.3c 11 -11 -10 -8 -5	0.4b 0.6b 0.6b 11 15 18 20 20 18 14 8 0 0.4c 0.6c 0.3 -5 -7 -8 -8 -8 -7 -5 -2	0 6 11 16 19 21 15 8 0 0.5c 0 3 -5 -7 -7 -7 -7 -6 -4 -4 -1	9 8 7 6 4 1 1 2 5 8 7 6 4 4 1 2 2 5 8	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19 My 0.1c 0.9c 6 6 6 5 4 2 2 4 5	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.8c 4 4 3 2 1 0 2 3 3 3	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2 2 1 0 0 1 2 2	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1 1 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -2 -3 -4 -5 -6 -6 -7 -6	0.1b 0.9b 0 1 3 4 5 6 7 7 7 6 0 0.1c 0.9c 0.9c 0.2 -3 -4 -5 -6 -6 -6 -6 -6 -6 -6 -6 -7	0.2b 0.8b 0 4 8 11 14 17 19 19 18 12 0 0.2c 0.8c 0 -2 -3 -4 -5 -5 -5	0.3b 0.7b 0 6 11 17 22 25 28 28 24 16 0 0.3c 0.7c 0.7c -2 -3 -4 -5 -5 -5 -5 -1	0.4b 0.6b 0 7 14 20 26 31 33 33 28 18 0 0.4c 0.6c 0.6c -2 -3 -4 -5 -5 -5 -1 1	0 7 7 15 22 28 32 35 34 30 19 0 0 .5c 0 -2 -3 -4 -4 -5 -5 -4 -4 -3	0 -8 -15 -22 -27 -17 0 0 -8 -15 -22 -27 -31 -33 -32 -27 -31 -33 -32 -32	0.1b 0.9b 0.9b -1 -2 -3 -4 -4 -4 -3 -2 -1 0 0.1c 0.9c -6 -11 -16 -20 -22 -23 -21	0.2b 0.8b 0 3 5 7 9 10 11 11 11 9 6 0.2c 0.8c 0.4 -9 -12 -14 -16 -15 -13	0.3b 0.7b 0.7b 13 15 17 18 16 13 8 0 0.3c 0.7c 0.3c 0.7c 0.3c 11 -11 -10 -8	0.4b 0.6b 0 5 11 15 18 20 20 18 14 8 0 0.4c 0.6c 0 -3 -5 -7 -8 -8 -8 -7 -5	0 6 11 16 19 21 21 19 15 8 0 0.5c	9 8 7 6 8 10 11 CORNER 9 8 7 6 4 1 1 2 2 5	0.1b 0.9b 14 13 12 10 6 2 2 8 13 17 19 My 0.1c 0.9c 6 6 6 6 5 4 2 4	0.2b 0.8b 13 13 11 9 6 2 3 8 12 16 17 Coe 0.8c 4 4 3 2 1 0 2 3	0.3b 0.7b 10 10 8 7 4 1 2 6 9 11 12 fficier 0.3c 0.7c 2 2 1 0 0 1 1 2	0.4b 0.6b 5 5 4 3 2 0 1 3 4 6 6 0.4c 0.6c 1 1 1 0 0 1 1	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 1.0, \frac{c}{a} =$	0.5		М	_х Сов	fficie	nt		•	М	, Coe	fficier	nt			М	_{xy} Cod	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2ь	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7ь	0.6b	L		0.9Ь	0.8b	0.7b	0.6b		L	0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	_ 0	5	8	8	6	3	0
	0.9a	-1	0	1	2	3	3	5		1	3	4	5	5	7	8	6	3	0
	0.8a	-2	0	3	_ 4	5	6	-10	-3	3	6	8	9	4	7	7	5	3	0
30.00	0.7a	-3	1	4	6	8	9	-15	-4	. 4	9	12	13	4	6	6	4	2	- 0
Long Side	0.6a	-4	1	5	9	11	_ 12	-20	•5	5	. 11	15	16	2	4,	4	3	2	0
	0.5a	-5	1	7	11	14			-6	6	13	17	18	1	2	2	1	1	0
	0.4a	-5	2	8	13	16	17	-25	-6	6	14	17	18	1	1	1	1	D	0
	0.3a	-5	2	9	14	17	18	-25	-5	7	13	16	17	3	4	4.	3	2	0
	0.2a	-5	3	9	14	16	17	-23	-4	6	11	13	14	5	8	8	6	3	0
	0.1a	-3	3	7	10	12	12	-15	-2	4	6	8	8.	6	11	11	8	4	
	BOT.	0	0	0	0	0	0	0	0	0	0	D	ō	7	13	12	9	5	

M_z Coefficient My Coefficient CORNER 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c

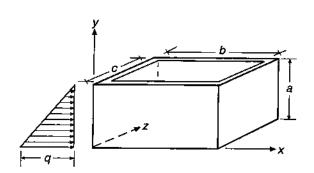
Short Side

			_						•			2.00			0.20	0.00	V.7V	0.00
		0.9c	0.8c	0.7c	0.60		=	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	0	0	0	0	0	0	0	5	3	2	1	0	Ö
0.9a	•1	-1	1	-1	-1	-1	-5	4	-3	-2	-1	-1	5	3	2	11	o	-
0.8a	-2	-2	-2	-2	-2	-1	-10	-7	-5	-3	-2	-2	4	3	2	1	0	
0.7a	-3	-3	-2	-2	2	-2	-15	-11	-7	-5	-3	-3	4	2	1	. 0	0	
0.6a	-4	-3	-3	-3	-3	-3	-20	-14	9	-6	-4	-3	2	1	0	0	O	0
0.5a	-5	-4	-3	-3	-3	-3	-23	-15	-10	-6	-3	-2	1	0		1	0	0
0.4a	-5	-4	3	-3	-2	-2	-25	-16	-10	-5	-2	-1	1	1	1	1	1	ō
0.3a	-5	-4	-3	-2	-1	-1	-25	-16	-8	-3	-1	0	3	2	2	1	1	0
0.2a	-5	-3	-1	0	1	1	-23	-13	-6	-2	1	2	5	3	2	1	ō	
0.1a	-3	-1	0	1	2	2	15	-7	-3	0		2	6	3	1	0		0
BOT.	0	0	0	0	0	0	0	Ö	0	D	0	0	7	2	0	1	1	0

Free Top Hinged Base

Deflection =
$$\frac{C_d q a^4}{1000 D}$$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

Long Side - Along Midheight (y = a/2)

	×	END	0.1b	0.2b	0.3b	0.4ь	0.5b
b/a	c/a		0.9b	0.8b	0.7b	0.6b	
4.0	3.0	0	14.10	34.30	51.80	63.20	67.00
4.0	2.0	0	17.40	39.10	57.10	68.60	72.50
4.0	1.5	0	18.80	41.00	59.20	70.80	74.70
4.0	1.0	0	19.40	41.80	60.10	71.70	75.70
4.0	0.5	0	17.90	39.60	57.60	69.10	73.00
3.0	2.0	0	7.30	17.30	26.00	31.70	33.70
3.0	1.5	0	8.60	19.10	28.10	33.90	35.90
3.0	1.0	0	9.30	20.20	29.30	35.20	37.20
3.0	0.5	0	8.70	19.20	28.10	33.90	36.00
2.0	1.5	0	2.30	5.50	8.30	10.30	10.90
2.0	1.0	0	3.00	6.60	9.70	11.70	12.40
2.0	0.5	0	3.00	6.60	9.70	11.70	12.40
1.5	1.0	0	1.10	2.60	3.90	4.80	5.10
1.5	0.5	0	1.40	2.90	4.30	5.30	5.60
1.0	0.5	0	0.40	0.80	1.30	1.50	1.60

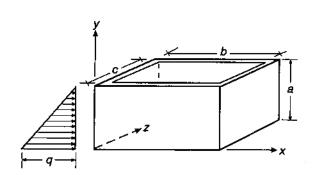
Short Side - Along Midheight (y = a/2)

	Z	END	0.1c	0.7-	0.00	0.4-	A.5
	1\ '	[END		0.2c	0.3c	0.4c	0.5c
b/a	c/a		0.9c	0.8c	0.7c	0.6c	
4.0	3.0	0	1.60	8.60	15.90	21.00	22.80
4.0	2.0	0	-2.80	-2.90	-1.90	-1.00	-0.60
4.0	1.5	0	-3.40	-5.00	-5.70	-6.00	-6.00
4.0	1.0	0	-2.80	-4.70	-5.90	-6.50	-6.80
4.0	0.5	0	-1.20	-2.20	-2.80	-3.20	-3.40
3.0	2.0	0	-0.70	0.60	2.30	3.70	4.20
3.0	1.5	0	-1.80	-2.30	-2.30	-2.10	-2.00
3.0	1.0	_ 0	-1.80	-2.90	-3.60	-3.90	-4.00
3.0	0.5	0	-0.90	-1.50	-1.90	-2.20	-2.30
2.0	1.5	0	-0.20	0.40	1.10	1.70	1.90
2.0	1.0	0	-0.80	-1.10	-1.30	-1.30	-1.30
2.0	0.5	0	-0.50	-0.80	-1.10	-1.20	-1.20
1.5	1.0	0	-0.30	-0.30	-0.20	-0.10	0.00
1.5	0.5	0	-0.30	-0.50	-0.60	-0.70	-0.70
1.0	0.5	0	-0.10	-0.20	-0.20	-0.30	-0.30

Free Top Hinged Base

Deflection =
$$\frac{C_d q a^4}{1000 D}$$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

Long Side - Along Midspan (x = b/2)

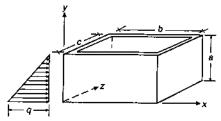
b/a	c/a	0	0.1a	0.2a	0.3a	0.4a	0 <u>.</u> 5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	14.10	28.00	41.50	54.50	67.00	79.10	90.80	102.20	113.40	124.70
4.0	2.0	0	15,20	30.20	44.80	58.90	72.50	85.70	98.40	110.90	123.20	135.60
4.0	1.5	0	15.70	31.10	46.20	60.70	74.70	88.30	101.50	114.40	127.20	140.00
4.0	1.0	0	15.90	31.50	46.70	61.40	75.70	89.40	102.80	115.80	128.80	141.80
4.0	0.5	0	15.30	30.40	45.10	59.30	73.00	86.20	99.10	111.70	124.10	136.60
3.0	2.0	0	7.40	14.60	21.40	27.70	33.70	39.20	44.40	49.30	54.20	59.10
3.0	1.5	0	7.90	15.50	22.70	29.60	35.90	41.90	47.50	52.90	58.20	63.50
3.0	1.0	0	8.10	16.00	23.50	30.60	37.20	43.40	49.30	54.90	60.50	66.00
3.0	0.5	0	7.90	15.50	22.80	29.60	36.00	41.90	47.50	52.90	58.20	63.50
2.0	1.5	0	2.70	5.20	7.50	9.40	10.90	12.20	13.30	14.30	15.20	16.10
2.0	1.0	0	3.00	5.80	8.40	10.60	12.40	14.00	15.40	16.60	17.70	18.90
2.0	0.5	0	3.00	5.90	8.40	10.60	12.40	14.00	15.30	16.50	17.60	18.80
1.5	1.0	0	1.40	2.70	3.80	4.60	5.10	5.50	5.80	6.00	6.10	6.30
1.5	0.5	0	1.50	2.90	4.10	4.90	5.60	6.00	6.30	6.50	6.70	7.00
1.0	0.5	0	0.60	1.00	1.40	1.50	1.60	1.60	1.60	1.50	1.40	1.40

Short Side - Along Midspan (z = c/2)

b/a	c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	5.20	10.20	14.80	19.00	22.80	26.20	29.30	32.20	35.00	37.80
4.0	2.0	o	0.30	0.50	0.40	0.00	-0.60	-1.50	-2.50	-3.60	-4.80	-5.90
4.0	1.5	0	-0.90	-1.90	-3.10	-4.50	-6.00	-7.60	-9.30	-11.00	-12.60	-14.30
4.0	1.0	o	-1.20	-2.50	-3.90	-5.30	-6.80	-8.20	-9.60	-10.90	-12.20	-13.60
4.0	0.5	0	-0.70	-1.40	-2.00	-2.70	-3.40	-4.00	-4.50	-5.00	-5.50	-6.20
3.0	2.0	0	1.30	2.40	3.30	3.90	4.20	4.20	4.10	3.80	3.50	3.30
3.0	1.5	0	-0.10	-0.30	-0.70	-1.20	-2.00	-2.90	-3.80	-4.80	-5.80	-6.80
3.0	1.0	Ö	-0.70	-1.40	-2.20	-3.10	-4.00	-4.90	-5.80	-6.70	-7.60	-8.50
3.0	0.5	0	-0.50	-0.90	-1.40	-1.90	-2.30	-2.70	-3.00	-3.40	-3.70	-4.10
2.0	1.5	0	0.70	1.40	1.80	1.90	1.90	1.80	1.50	1.20	0.80	0.50
2.0	1.0	0	-0.10	-0.30	-0.50	-0.90	-1.30	-1.80	-2.20	-2.60	-3.10	-3.50
2.0	0.5	0	-0.20	-0.50	-0.80	-1.00	-1.20	-1.40	-1.60	-1.70	-1.90	-2.00
1.5	1.0	0	0.20	0.30	0.30	0.10	0.00	-0.30	-0.50	-0.80	-1.00	-1.20
1.5	0.5	0	-0.10	-0.30	-0.50	-0.60	-0.70	-0.80	-0.90	-1.00	-1.00	-1.10
1.0	0.5	0:	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.30	-0.40	-0.40

Free Top Hinged Base

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 4.0, \frac{c}{a} =$	3.0		M	, Coe	fficie	nt			M	l, Coe	fficie	nt			М	_{ху} Со	efficie	nt	
		CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b	CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9Ь	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	39	0	0	0	0	ō	-196	-61	30	70	86	90	11	65		52		0
	0.9a	-52	-6	5	11	14	14	-261	-57	29	66	80.	84	22	62	66	51	27	0
	0.8a	-46		12	22	27,	28	-231	-51	28	62	75	79	23	62	66	51	27	
	0.7a	-41	-5	19	32	38	40	-207	-45	28	58	69	72	22	63	68	52	28	ō
Long Side	0.6a	_	-1	27	41	48	50	-186	-37	27	53	63	66	22	66	70:	54	28	0
	0.5a	-33	5	33	48	54	56	-165	-30	26	48	56	58	22	69	73	55	29	
	0.4a	29	10	36	50	57	58	-143	-22	23	41	48	49	23	73	75	57	29	0
	0.3a	-23	14	37	48	53	55	-117	-14	20	33	38	39	23	77	78	58	30	0
	0.2a	-17	15	32	40	44	45	-85	-8	15	24	27	28	23	81	80	59	30	- 0
	0.1a	-9	11	20	24	26	27	-47	-3	8	13	14	15	24	83	82	60	31	<u> </u>
	вот.	0	0	0	o	0	0	0	0.	0.	0	0	0	25	84	82	60	31	<u> </u>

M_z Coefficient My Coefficient Myz Coefficient CORNER 0.1C 0.2C 0.3C 0.4C 0.5C 0.3c | 0.4c | 0.5c | CORNER | 0.1c | 0.2c | 0.3c | 0.4c | 0.5c CORNER 0.1c 0.2c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.60 0.9c 0.8c 0.7c 0.6c TOP -39 0 -196 40 63 7Ö 11 17 29 26 0 0.9a -52 -12 0 6 10 -261 -7 -92 38 60 66 22 14 27 25 14 0.8a -46 -16 3 14 19 21 -231 -84 -4 37 56 62 23 26 25 15 ō 0.7a -41 -14 8 22 29 31 -207 -75 36 53 58 22 26 15 28 15 0 0.6a -37 -10 14 29 37 40 -186 -65 **Short Side** 1 34 49 22 17 30 28 16 0.5a -33 20 35 44 44 46 -165 -54 4 48 32 22 19 33 30 17 0.4a -29 24 39 47 49 -143 -42 5 28 39 41 23 23 ō 37 32 18 0.3a 6 -23 26 39 45 47 -117 -30 6 24 31 34 23 27 40 0 34 19 0.2a -17 24 33 38 39 -85 -19 6 17 23 23 24 31 43 36 20 0 0.1a -9 7 16 21 23 24 -47 -8 4 13 10 12 24 34 45 37 0 20 BOT. 0 이 0 0. 0 0 0 25 36 46 37 21 0

$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		M	, Coe	fficie	nt			M	, Coe	fficie	nt			M	_{xy} Coe	officie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2ь	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3Ь	0.4b	0.5b
			0,9b	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-30	0	0	. 0	0	0	150	-41	39	74	88	91	33	72	71	53	28	0
	0.9a	-42	-4	6	11	14	15	-209	-37	37	70	82	86	40	70	70,	53	28	0
	0.8a	-38	4	14	23	27	28	-188	-33	36	65	77	80	41	69.	70	53	28	0
- 40.00	0.7a	34	-1	22	34	39	41	-170	-28	35	61	71	73	41	71	71	54	28	0
Long Side	0.6a	-31	4	29	43	49	51	-155	-23	33	_ 56	64	66	41	73	73	55	29	0
- 70.70	0.5a	-28	9	35		55	57	-140	-17	31	50	57	59	41	77	76	56	29	ō
	0.4a	-25	14	39	52	57	59	-123	-12	28	43	48	50	42	81	79	58	30	0
	0.3a	-20	17	38	49	54	55	-102	7	23	35	39	40	43	85	81	59	30	0
	0.2a	-15	17	33	41	44	45	-75	-3	17	25	28	28	43	89	83	60	31	0
	0.1a	-8	12	21	_ 25	26	27	-42	0	10	_ 13	15	15	44	92	85	61	31	0
	BOT.	. 0	0(0	<u>ol</u>	D)	0	0	_ 0	0	0	0	0	45	93	85	61	31	0

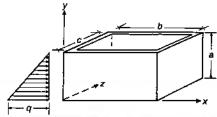
M, Coefficient

Myz Coefficient CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5C 0.9¢ 0.8c 0.7c 0.6¢ 0.9c 0.Bc 0.7c 0.6¢ 0.9c 0.8c 0.7c 0.6c TOP -30 0 -150 -116 -49 -8 15 22 33 0.9a -42 -15 -6 2 -209 -107 -45 -6 15 22 40. 20 0.8a -38 -20 -7 6 -188 -99 -40 -4 16 23 41 20 0.7a -19 -5 5 23 11 13 -170 -90 -34 41 -1: 18 19 7 0.6a -31 -15 -1 11 17 20 -155 -79 -28 24 2 18 41 19 2 5 0.5a -28 -11 5 23 16 26 -140 -67 -22 5 19 23 17 3 3 0.4a -25 -6 21 28 30 -123 -54 -15 7 18 22 42 14 5 0.3a -20 -2 13 23 29 31 -102 -40 -9 8 16 19 43 5 11 4 8 0.2a -15 1, 14 28 22 26 -75 -26 -4 7 13 14 43 7 10 6 0.1a 3 11 15 17 18 -42 -12 -1 4 7 8 4 10 44 11 7 вот. 0 0 ol 0 45 11 12

My Coefficient

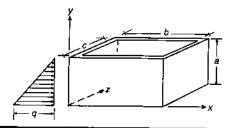
Short Side

Moment = Coef. $\times qa^2/1000$



b - 40 c	- 15			1.00	- 112						357		-	- q —					
$\frac{b}{a} = 4.0, \frac{c}{a}$	= 1.5		M	I _x Coe	efficie	nt			N	l, Coe	efficie	nt			N	xy Co	efficie	nt	
		CORNER	0.1b 0.9b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b	0.4b	0.5b	CORNER	0.1b 0.9b	0.2b	0.3b	0.4b	0.5b
	TOP	-27	0.90	0.00	-	0.6b	0	-135	-32	43	0.7b 75	0.6b 88	92	41	75	0.8b 72	0.7b 54	0.6b 28	0
	0.9a	-38	-3	7		14	15	-191	-30	41	71	83	86	47	73	71	54	28	0
	0.8a	-34 -31	-2	15		27	29	-171	-26	39	67	77	80		72	71	54	28	0
Long Side	0.7a	-28	1	30		40 49	41 51	-155 -141	-22 -17	38 36	62 57	71 65	74 67	47	74 76	73 75	55 56	28 29	0
Long olde	0.5a	-26	11	36	50	56	57	-128	-12	33	51	57	59	49	80	77	57	29	0
	0.4a	-23	16	40		58	59	-113	-8	29	43	49	50	50	84	80	58	30	0
	0.3a 0.2a	-19 -14	18	39	50 41	54 44	56 45	-94 -70	-4 -1	24 18	35 25	39 28	28	51 52	92	83 85	60	31	0
	0.2a	-8	12	21	25	27	27	-39	1	10	13	15	15		95	86	61 61	31	0
	вот.	0	0	0		0	0	0	0	0	0	0	0	54	96	86	62	31	0
			М	_ Coe	fficien	ıt			M	l. Coe	fficie	nt				vz Coe	Hiolo	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER		0.2c	0.3c	0.4c	0.5c	CORNER		0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	-27	0	0	0	D	0	-135	-128	-79	-47	-28	-22	41	31	17	10	4	0
	0.9a 0.8a	-38 -34	-18 -23	-10 -14	-6 -8	-4 -5	<u>-3</u> -4	-191 -171	-119 -110	-73 -66	-43 -37	-25 -21	-19 -15	47 47	32 31	20 20	11 12	5	0
	0.7a	-31	-22	-13	-7	-3	<u>-1</u>	-155	-100	-59	-31	-16	-11	47	31	20	12	- 5	
Short Side	0.6a	-28	-19	-10	3	2	3	-141	-89	-50	-25	-11	-6	48	32	19	11	5	0
	0.5a 0.4a	-26 -23	-15 -11	-5 0	2 8	7 13	9 14	-128 -113	-76 -62	-41 -31	-18	-6	-2	49 50	31	18	9	4	0
	0.4a	-19	-7	4	12	16	18	-113	-47	-22	-12 -7	-2 1	2	51	30 27	16 13	7 5	2	0
	0.2a	-14	-3	7	13	17	18	-70	-32	-13	-3	3	4	52	24	10	3	1	0
	0.1a	-8	1	7	10	12	13	-39	-15	-6	0	2	3	53	21	7	2	0	0
	_							- 1											
	вот.	D	D	0	ol	0	0	0	0	0	0	ol	0	54	20	6	1	0:	Ō
$\frac{b}{a} = 4.0, \frac{c}{a}$	вот.		D				0	0				ol	0	54					0
$\frac{b}{a} = 4.0, \frac{c}{a}$	вот.		D	x Coe	officier	nt	0 0.5b	CORNER	M		o fficier	ol	0.5b			6 xy Coc			0.5b
$\frac{b}{a} = 4.0, \frac{c}{a}$	BOT.	CORNER	0.1b 0.9b	x Coe 0.2b 0.8b	fficier 0.3b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	, Coe 0.2b 0.8b	fficier 0.3b 0.7b	0.4b 0.6b			М,	_{ry} Co∈	efficie	nt	
$\frac{b}{a} = 4.0, \frac{c}{a}$	BOT. = 1.0	CORNER -27	0.1b 0.9b	v. Coe	0.3b	0.4b 0.6b	0.5b 0	CORNER -133	0.1b 0.9b	y Coe 0.2b 0.8b	0.3b 0.7b 76	0.4b 0.6b	0.5b 92	CORNER 43	0.16 0.9b	0.2b 0.8b 73	0.3b 0.7b 54	0.4b 0.6b 28	0.5b 0
$\frac{b}{a} = 4.0, \frac{c}{a}$	BOT. = 1.0 TOP 0.9a	ORNER -27 -37	0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b 0 12	0.4b 0.6b 0	0.5b 0 15	-133 -187	0.1b 0.9b -29 -26	y Coe 0.2b 0.8b 44 42	0.3b 0.7b 78 72	0.4b 0.6b 89 83	0.5b 92 86	43 47	0.16 0.9b 77 74	0.2b 0.8b 73 72	0.3b 0.7b 54 54	0.4b 0.6b 28 28	0.5b 0
	BOT. = 1.0	CORNER -27 -37 -33 -29	0.1b 0.9b 0 -3 -2 2	0.2b 0.8b 0.7 15 23	0.3b 0.7b 0 12 24 35	0.4b 0.6b 0 14 28 40	0.5b 0 15 29 41	-133 -187 -165	0.1b 0.9b	y Coe 0.2b 0.8b	0.3b 0.7b 76	0.4b 0.6b	0.5b 92	CORNER 43	0.16 0.9b	0.2b 0.8b 73	0.3b 0.7b 54	0.4b 0.6b 28	0.5b
$\frac{b}{a} = 4.0, \frac{c}{a}$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a	CORNER -27 -37 -33 -29 -27	0.1b 0.9b 0 -3 -2 2	0.2b 0.8b 0.8b 0 7 15 23	0.3b 0.7b 0 12 24 35	0.4b 0.6b 0 14 28 40	0.5b 0 15 29 41 51	-133 -187 -165 -147 -133	0.1b 0.9b -29 -26 -23 -19 -15	0.2b 0.8b 44 42 41 39 37	0.3b 0.7b 76 72 67 62 57	0.4b 0.6b 89 83 78 72 65	0.5b 92 86 80 74 67	43 47 47 48 49	0.16 0.9b 77 74 74 75 78	0.2b 0.8b 73 72 72 73 75	0.3b 0.7b 54 54 54 55 56	0.4b 0.6b 28 28 28 29	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	CORNER -27 -37 -33 -29 -27 -24	0.1b 0.9b 0 -3 -2 2 7	0.2b 0.8b 0.8b 0 7; 15 23 31 37	0.3b 0.7b 0 12 24 35 44 50	0.4b 0.6b 0.6b 14 28 40 49 56	0.5b 0 15 29 41 51 58	-133 -187 -165 -147 -133 -119	0.1b 0.9b -29 -26 -23 -19 -15 -10	0.2b 0.8b 44 42 41 39 37 34	0.3b 0.7b 76 72 67 62 57	0.4b 0.6b 89 83 78 72 65 57	0.5b 92 86 80 74 67 59	43 47 47 48 49 51	0.1b 0.9b 77 74 74 75 78	0.2b 0.8b 73 72 72 73 75 78	0.3b 0.7b 54 54 54 55 56	0.4b 0.6b 28 28 28 29 29	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a	CORNER -27 -37 -33 -29 -27	0.1b 0.9b 0 -3 -2 2	0.2b 0.8b 0.8b 0 7 15 23	0.3b 0.7b 0 12 24 35 44 50 52	0.4b 0.6b 0 14 28 40 49 56 58	0.5b 0 15 29 41 51 58 59	-133 -187 -165 -147 -133	0.1b 0.9b -29 -26 -23 -19 -15	0.2b 0.8b 44 42 41 39 37 34	0.3b 0.7b 76 72 67 62 57 51	0.4b 0.6b 89 83 78 72 65 57	0.5b 92 86 80 74 67	43 47 47 48 49 51	0.1b 0.9b 77 74 74 75 78 81 85	0.2b 0.8b 73 72 72 73 75 78 81	0.3b 0.7b 54 54 54 55 56	0.4b 0.6b 28 28 28 29 29	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	CORNER -27 -37 -33 -29 -27 -24 -21 -17 -13	0.1b 0.9b 0.9c -3 -2 2 7 13 17 19	x Coe 0.2b 0.8b 0 7; 15 23 31 37 41 40 34	0.3b 0.7b 0 12 24 35 44 50 52 50 41	0.4b 0.6b 0 14 28 40 49 56 58 54 44	0.5b 0 15 29 41 51 58 59 56	-133 -187 -165 -147 -133 -119 -105 -87	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2	0.2b 0.8b 44 42 41 39 37 34 30 25	0.3b 0.7b 76 72 67 62 57 51 44 35	0.4b 0.6b 89 83 78 72 65 57 49 39	0.5b 92 86 80 74 67 59 50 40 28	43 47 47 48 49 51 53 55	0.16 0.9b 77 74 74 75 78 81 85 90	73 72 72 73 75 78 81 83 85	0.3b 0.7b 54 54 54 55 56 57 59 60	0.4b 0.6b 28 28 28 29 29	0.5b 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-27 -37 -33 -29 -27 -24 -21 -17 -13	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19	x Coe 0.2b 0.8b 0 7; 15 23 31 37 41 40 34 21	0.3b 0.7b 0 12 24 35 44 60 52 50 41 25	0.4b 0.6b 0 14 28 40 49 56 58 54 44	0.5b 0 15 29 41 51 58 59 56 45 27	-133 -187 -165 -147 -133 -119 -105 -87 -65	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2	y Coe 0.2b 0.8b 44 42 41 39 37 34 30 25 18	0.3b 0.7b 76 72 67 62 57 51 44 35 25	0.4b 0.6b 89 83 78 72 65 57 49 39 28	0.5b 92 86 80 74 67 59 50 40	43 47 47 48 49 51 53 55 56	0.16 0.9b 77 74 74 75 78 81 85 90 93 96	0.2b 0.8b 73 72 72 73 75 78 81 83 85 86	0.3b 0.7b 54 54 55 56 57 59 60 61 62	0.4b 0.6b 28 28 28 29 29 30 30 31 31	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	CORNER -27 -37 -33 -29 -27 -24 -21 -17 -13	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21	0.3b 0.7b 0.7b 0 12 24 35 44 50 52 50 41 25	0.4b 0.6b 0.6b 14 28 40 49 56 58 54 44 27	0.5b 0 15 29 41 51 58 59 56	-133 -187 -165 -147 -133 -119 -105 -87	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0	0.2b 0.8b 44 42 41 39 37 34 30 25 18	0.3b 0.7b 76 72 67 62 57 51 44 35 25 14	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0	0.5b 92 86 80 74 67 59 50 40 28	43 47 47 48 49 51 53 55	0.1b 0.9b 77 74 74 75 78 81 85 90 93 96 97	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62	0.4b 0.6b 28 28 29 29 30 30 31 31 31	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	CORNER -27 -37 -33 -29 -27 -24 -21 -17 -13 -7 0	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19	0.2b 0.8b 0 7 15 23 31 37 41 40 34 21 0	0.3b 0.7b 0 12 24 35 44 50 52 50 41 25 0	0.4b 0.6b 0 14 28 40 49 56 58 54 44 27 0	0.5b 0 15 29 41 51 58 59 56 45 27	-133 -187 -165 -147 -133 -119 -105 -87 -65 -36	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1	y Coe 0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0	0.3b 0.7b 78 72 67 62 57 51 44 35 25 14 0	0.4b 0.6b 89 83 78 65 57 49 28 15 0	0.5b 92 86 80 74 67 59 50 40 28 15	43 47 47 48 49 51 53 55 56 68 59	0.16 0.9b 77 74 74 75 78 81 85 90 93 96 97	0.2b 0.8b 73 72 72 73 75 78 81 83 85 86 87	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62	0.4b 0.6b 28 28 28 29 30 30 31 31 31	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	CORNER -27 -37 -33 -29 -27 -24 -21 -17 -13 -7 0	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0	0.2b 0.8b 0 7 15 23 31 37 41 40 34 21 0	0.3b 0.7b 0 12 24 35 44 50 52 50 41 25 0	0.4b 0.6b 0 14 28 40 49 56 58 54 44 27 0	0.5b 0 15 29 41 51 58 59 56 45 27	-133 -187 -165 -147 -133 -119 -105 -87 -65	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0	y Coe 0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0	0.3b 0.7b 78 72 67 62 57 51 44 35 25 14 0	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0	0.5b 92 86 80 74 67 59 50 40 28	43 47 47 48 49 51 53 55 56 68 59	0.16 0.9b 77 74 74 75 78 81 85 90 93 96 97	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 Cos	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62 62	0.4b 0.6b 28 28 28 29 30 30 31 31 31 31	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5e 0.4a 0.3a 0.1a BOT.	CORNER -27 -37 -33 -29 -27 -24 -21 -17 -13 -7 0	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 M _z 0.1c 0.9c	0.2b 0.8b 0 7 15 23 31 37 41 40 34 21 0 Coef	0.3b 0.7b 0 12 24 35 44 50 52 50 41 25 0	0.4b 0.6b 0 14 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c	0.5b 0 15 29 41 51 58 59 56 45 27 0	-133 -187 -165 -147 -133 -119 -105 -87 -65 -36	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1	y Coe 0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0	0.3b 0.7b 78 72 67 62 57 51 44 35 25 14 0	0.4b 0.6b 89 83 78 65 57 49 28 15 0	0.5b 92 86 80 74 67 59 50 40 28 15	43 47 47 48 49 51 53 55 56 68 59	0.16 0.9b 77 74 74 75 78 81 85 90 93 96 97	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 Cos	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62	0.4b 0.6b 28 28 28 29 30 30 31 31 31	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT.	CORNER -27 -37 -24 -21 -17 -13 -7 0	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 Mz 0.1c 0.9c 0 -24	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21 0 Coef	0.3b 0.7b 0 12 24 35 44 50 52 50 41 25 0 ficien 0.3c 0.7c 0 -13	0.4b 0.6b 0.6b 14 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c 0 -11	0.5b 0 15 29 41 61 58 59 56 45 27 0	-133 -187 -165 -147 -133 -119 -105 -87 -65 -36 -0 CORNER -133 -187	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0 0.1c 0.9c -154 -142	0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0 Coe 0.2c 0.8c -124 -114	0.3b 0.7b 76 72 67 62 57 51 44 35 25 14 0 fficier 0.3c 0.7c -103 -96	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0 nt 0.4c 0.6c -91 -84	0.5b 92 86 80 74 67 59 50 40 28 15 0	43 47 47 48 49 51 53 55 56 58 59	0.1b 0.9b 77 74 74 75 78 81 85 90 93 96 97 M, 0.1c 0.9c	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 Cos 0.2c 0.8c 24 25	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62 62 0.3c 0.7c 15	0.4b 0.6b 28 28 29 29 30 31 31 31 31 31 0.4c 0.6c 7	0.5b 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT.	CORNER -27 -37 -13 -7 0 CORNER -27 -37 -33	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 Mz 0.1c 0.9c 0 -24 -28	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21 0 Coef 0.2c 0.8c 0 -17 -23	0.3b 0.7b 0.7b 0 12 24 35 44 60 52 50 41 25 0 (iiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiiii	0.4b 0.6b 0.6b 0 14 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c 0 -11 -17	0.5b 0 15 29 41 61 58 59 56 45 27 0 0.5c 0 -11 -17	-133 -187 -165 -147 -133 -119 -105 -87 -65 -36 -0 CORNER -133 -187 -165	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0 0.1c 0.9c -154 -142 -131	0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0 Coe 0.2c 0.8c -124 -114 -105	67 62 67 62 67 51 44 35 25 14 0 67 60 70 70 70 70 70 70 70 70 70 70 70 70 70	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0 11 0.4c 0.6c -91 -84 -76	0.5b 92 86 80 74 67 59 50 40 28 15 0 0.5c -87 -81 -72	43 47 47 48 49 51 53 55 66 58 69 CORNER	0.1b 0.9b 77 74 74 75 78 81 85 90 93 96 97 M, 0.1c 0.9c 38 36 34	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 Cos 0.2c 0.8c 24 25 25	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62 62 0.3c 0.7c 15 16	0.4b 0.6b 28 28 29 29 30 31 31 31 31 31 0.4c 0.6c 7 8	0.5b 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT.	CORNER -27 -37 -24 -21 -17 -13 -7 0	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 Mz 0.1c 0.9c 0 -24	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21 0 Coef	0.3b 0.7b 0 12 24 35 44 50 52 50 41 25 0 ficien 0.3c 0.7c 0 -13	0.4b 0.6b 0.6b 14 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c 0 -11	0.5b 0 15 29 41 61 58 59 56 45 27 0	-133 -187 -165 -147 -133 -119 -105 -87 -65 -36 -0 CORNER -133 -187	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0 0.1c 0.9c -154 -142	0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0 Coe 0.2c 0.8c -124 -114	0.3b 0.7b 76 72 67 62 57 51 44 35 25 14 0 fficier 0.3c 0.7c -103 -96	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0 nt 0.4c 0.6c -91 -84	0.5b 92 86 80 74 67 59 50 40 28 15 0	43 47 47 48 49 51 53 55 56 58 59	0.1b 0.9b 77 74 75 78 81 85 90 93 96 97 M, 0.1c 0.9c 38 36 34	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 Cos 0.2c 0.8c 24 25	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62 62 0.3c 0.7c 15	0.4b 0.6b 28 28 29 29 30 31 31 31 31 31 0.4c 0.6c 7 8 8	0.5b 0 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.1a BOT.	CORNER -27 -33 -29 -27 -33 -29 -27 -33 -29 -27 -34 -21 -37 -33 -29 -27 -24	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 M _z 0.1c 0.9c 0 -24 -28 -26 -23 -20	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21 0 Coef 0.2c 0.8c 0 -17 -23 -23 -20 -16	0.3b 0.7b 0.7b 0 12 24 35 44 60 52 50 41 25 0 0.7c 0 -13 -19 -20 -17 -13	0.4b 0.6b 0.6b 14 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c 0 -f1 -17 -18 -16 -11	0.5b 0 15 29 41 61 58 59 56 45 27 0 0.5c 0 -11 -17 -18 -15 -10	-133 -165 -147 -165 -147 -106 -87 -65 -36 0 CORNER -133 -107 -165 -147 -133 -119	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0 0.1c 0.9c -154 -142 -131 -119 -105 -91	0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0 0.2c 0.8c -124 -114 -105 -94 -82 -69	0.3b 0.7b 78 72 67 62 57 51 44 35 25 14 0 fficier 0.3c 0.7c -103 -96 -87 -77 -66 -54	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0 0.4c 0.6c -91 -84 -76 -66 -56 -45	0.5b 92 86 80 74 67 59 50 40 28 15 0 0.5c -87 -81 -72 -63 -53 -42	CORNER 43 47 48 49 51 56 58 59 CORNER 43 47 48 49 51	0.1b 0.9b 77 74 75 78 81 85 90 93 96 97 M, 0.1c 0.9c 38 36 34 36 37	0.2b 0.8b 73 72 73 75 78 81 83 86 87 Cos 0.2c 0.8c 24 25 26 27 27	0.3b 0.7b 54 54 54 55 66 57 59 60 61 62 62 0.7c 15 16 16 17 17	0.4b 0.6b 28 28 29 30 30 31 31 31 31 31 60.4c 7 8 8 8 8	0.5b 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.1a BOT.	CORNER -27 -37 -33 -29 -27 -37 -33 -29 -27 -37 -33 -29 -27 -24 -21	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 M ₂ 0.1c 0.9c 0 -24 -28 -26 -23 -20 -16	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21 0 Coef 0.2c 0.8c 0 -17 -23 -23 -20 -16 -11	0.3b 0.7b 0.7b 0.12 24 35 44 60 52 50 41 25 0.7c 0.3c 0.7c 0.13 -19 -20 -17 -13 -8	0.4b 0.6b 0.6b 0 14 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c 0 -11 -17 -18 -16 -11 -5	0.5b 0 15 29 41 51 58 59 56 45 27 0 0.5c 0 -11 -17 -18 -15 -10 -4	-133 -187 -165 -147 -133 -119 -106 -87 -65 -36 0 CORNER -133 -185 -147 -133 -119 -105	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0 0.1c 0.9c -154 -142 -131 -119 -105 -91	0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0 0.2c 0.8c -124 -114 -105 -94 -82 -69 -55	0.3b 0.7b 76 72 67 62 57 51 44 35 25 14 0 fficier 0.3c 0.7c -103 -96 -87 -77 -66 -54 -41	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0 0.6c -91 -84 -76 -66 -56 -45 -34	0.5b 92 86 80 74 67 59 50 40 28 15 0 0.5c -87 -81 -72 -63 -53 -42 -31	CORNER 43 47 48 49 51 58 47 47 48 49 51 53	0.1b 0.9b 77 74 74 75 78 81 85 90 93 96 97 M, 0.1c 0.9c 38 36 37 39 39	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 0.2c 0.8c 24 25 26 27 27	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62 0.7c 15 16 16 17 17	0.4b 0.6b 28 28 29 30 30 31 31 31 31 0.4c 0.6c 7 8 8 8 8	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.1a BOT.	CORNER -27 -33 -29 -27 -33 -29 -27 -33 -29 -27 -34 -21 -37 -33 -29 -27 -24	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 M2 0.1c 0.9c 0 -24 -28 -26 -23 -20 -16 -12	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21 0 Coef 0.2c 0.8c 0 -17 -23 -23 -20 -16	0.3b 0.7b 0 12 24 35 44 50 52 50 41 25 0 76 0.3c 0.7c 0.13 -19 -20 -17 -13 -8 -2	0.4b 0.6b 0.6b 14 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c 0 -f1 -17 -18 -16 -11	0.5b 0 15 29 41 61 58 59 56 45 27 0 0.5c 0 -11 -17 -18 -15 -10	-133 -165 -147 -165 -147 -106 -87 -65 -36 0 CORNER -133 -107 -165 -147 -133 -119	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0 0.1c 0.9c -154 -142 -131 -119 -105 -91	0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0 0.2c 0.8c -124 -114 -105 -94 -82 -69 -55 -40	0.3b 0.7b 76 72 67 62 57 51 44 35 25 14 0 66 0.7c -103 -96 -54 -41 -29	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0 1t 0.4c 0.6c -91 -84 -76 -66 -56 -45 -34 -23	0.5b 92 86 80 74 67 59 50 40 28 15 0 0.5c -87 -81 -72 -63 -53 -42 -31 -21	CORNER 43 47 48 49 51 58 59 CORNER 43 47 48 49 51 53 55	0.1b 0.9b 77 74 74 75 78 81 86 90 93 96 97 M, 0.1c 0.9c 38 36 37 39 39	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 0.2c 0.8c 0.2c 0.8c 24 25 26 27 27 27	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62 0.3c 0.7c 15 16 17 17 17	0.4b 0.6b 28 28 29 30 30 31 31 31 31 0.4c 0.6c 7 8 8 8 8 8	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.1a BOT.	CORNER -27 -37 -33 -29 -27 -37 -33 -29 -27 -37 -31 -29 -27 -24 -21 -17	0.1b 0.9b 0 -3 -2 2 7 13 17 19 19 13 0 M ₂ 0.1c 0.9c 0 -24 -28 -26 -23 -20 -16	0.2b 0.8b 0.8b 0 7 15 23 31 37 41 40 34 21 0 0.2c 0.8c 0 -17 -23 -23 -20 -16 -11 -6	0.3b 0.7b 0.7b 0.12 24 35 44 60 52 50 41 25 0.7c 0.3c 0.7c 0.13 -19 -20 -17 -13 -8	0.4b 0.6b 0.6b 0.4 28 40 49 56 58 54 44 27 0 t 0.4c 0.6c 0 -f1 -17 -18 -16 -11 -5 1	0.5b 0 15 29 41 51 58 59 56 45 27 0 0.5c 0 -11 -17 -18 -15 -10 -4 1	-133 -165 -147 -165 -147 -133 -119 -106 -87 -65 -36 0 0 CORNER -133 -185 -147 -133 -119 -105 -87	0.1b 0.9b -29 -26 -23 -19 -15 -10 -6 -2 0 1 0 0.1c 0.9c -154 -142 -131 -119 -105 -91 -75	0.2b 0.8b 44 42 41 39 37 34 30 25 18 10 0 0.2c 0.8c -124 -114 -105 -94 -82 -69 -55	0.3b 0.7b 76 72 67 62 57 51 44 35 25 14 0 fficier 0.3c 0.7c -103 -96 -87 -77 -66 -54 -41	0.4b 0.6b 89 83 78 72 65 57 49 39 28 15 0 0.6c -91 -84 -76 -66 -56 -45 -34	0.5b 92 86 80 74 67 59 50 40 28 15 0 0.5c -87 -81 -72 -63 -53 -42 -31	CORNER 43 47 48 49 51 58 47 47 48 49 51 53	0.1b 0.9b 77 74 74 75 78 81 85 90 93 96 97 M, 0.1c 0.9c 38 36 37 39 39	0.2b 0.8b 73 72 73 75 78 81 83 85 86 87 0.2c 0.8c 24 25 26 27 27	0.3b 0.7b 54 54 55 56 57 59 60 61 62 62 0.7c 15 16 16 17 17	0.4b 0.6b 28 28 29 30 30 31 31 31 31 0.4c 0.6c 7 8 8 8 8	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 4.0, \frac{c}{a} =$	0.5		M	, Coe	fficie	nt			M	, Coe	fficie	nt			М	_{xy} Coe	- efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.45	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5Ь
•			0.9ь	0.8b	0.7b	0.6b	[0.9Ь	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-31	0	0	0	_ 0	0	-153	-39	40	_ 74	88	91	33	73	72	54	28	0
	0.9a	-43	-4	7	12	14	15	<i>-</i> 216	-36	38	70	82	86	37	71	71	53	28	0
	0.8a	-38	3	14	23	27	29	-188	31	37	66	77	80	37	70	71	53	28.	0
	0.7a	-33	0	22	34	39	41	-165	-27	35	61	71	. 73	37	72	72	54	28	0
Long Side	0.6a	-29	6	30	43	49	51	-145	-21	34	56	64	67	39	75	74	55	29	0
	0.5a	-25	_ 11	36	49	56	57	-127	-16	31	50	57	59	41	78	76	57	29	0
	0.4a	-22	16		52	58	59	109	-10	28	43	48	50	43	82	79	58	30	0
	0.3a	-18		39	49	54	55	-89	-5	23	35	39	40	46	86	81	59	30	0
	0.2a	-13	18	34	41	_ 44	45	-65	-2	17	25	28	28	48	89	83	60	31	0
	0.1a	-7	13	21	25	26	27	-36	0	10	13	15	15	50	92	85	61	31	0
	BOT.	ol	ol	0	0	oi	0	<u>ol</u>	0	0	o!	Ol	0	51	93	85	61	31	0

M_z Coefficient

Short Side

	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1¢	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	-31	0	0	0	0	0	-153	-211	-198	-189	-184	-182	33	41	26	16		0
0.9a	-43	-37	-31	-26	-24	-23	-216	-195	-182	<i>-</i> 175	-171	-169	37	27	21	14	7	0
0.8a	-38	-36	-35	-34	-33	-33	-188	-177	-168	-161	-157	-156	37	26	19	12	6	0
0.7a	-33	33	-33	-33	-33	-33	-165	-157	-151	-145	-142	-141	37	28	20	13	7	ň
0.6a	-29	-29	-29	-29	-29	-29	-145	-138	-132	-128	-125	-124	39	30	22	15	7	0
0.5a	-25	-25	-25	-25	-25	-25	-127	-119	-113	-108	-105	-104	41	32	24	16	- 8	<u>_</u>
0.4a	-22	-21	21	-20	-201	-20	-109	-100	-92	-87	-84	-83	43	34	26	17	ģ	<u>-</u>
0.3a	-18	-17	-16	-15	-14	-14	-89	-78	-71	-66	-63	-62	46	35	26	18	9	
0.2a	-13	-12	-10	-9	-8	-8	-65	-55	-48	-43,	-41	-40	48	36	27	17	9	<u>_</u>
0.1a	-7	-6	-4	-3	-2	-2	-36	-28	-24	-21	-19	-19	50	36	26	17	8	
BOT.		0	0	0	0	0	0	o	0	0	0	o	51	35	25	16	a	

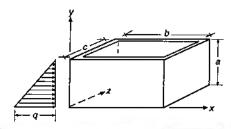
My Coefficient

$\frac{b}{a}$ = 3.0, $\frac{b}{a}$ =	2.0		M	x Coe	fficie	nt			М	y Coe	fficie	nt			М	_{xy} Co	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9Ь	0.8b	0.7b	0.6b		L	0.9b	0.8b	0.7b	0.6b	
	TOP	-19	0	0	0	0	0	-97	-45	20	56	73	78	12	37	39	31	16	0
	0.9a	-30	-5	3	8	11	12	-152	-42	20	53	69	73	19	34	37	30	16	0
	0.8a	-28	-6		17	22	24	-141	-38	20	51	65	69	20	34	37	30	16	0
	0.7a	-26	-3	15	26	32	34	-132	-34	20	48	60	64	20	35	39	31	17	0
Long Side	0.6a		0	21	34	41	43	-124	-29	21	_ 45	56	59	20	37	41	33	18	0
<u> </u>	0.5a	-23	4	27	40	47	50	-115	-23	20	41	50	52	20	41	44	35	18	0
	0.4a	-21	8	30	43	50	52	-103	-17	19	36	43	45	21	45	47	37	19	
	0.3a	-17	11	31	42	48	50	-87	-11	17	29	35	36	21	49	51	39	20	0
	0.2a	-13	12		36	40	41	-66	-6]	13	21	25	26	22	54	54	40	21	0
	0.1a	-7	9	18	22	24	25	-37	-2	7	12	13	14	22	57	56	41	21	0
i	BOT.	0	0	이	0	0	0	0	O	ol	o	0	0	23	59	56	42	21	0

			M	Coe	fficien	it			M	, Coe	fficie	nt			M	yz Coe	officie	nt	
		CORNER	0.1c	0.20	0.30	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.50	CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c
			Q.9c	0.8c	0.7c	0.6¢			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	1
ı	TOP	-19	0	0	0	0	0	-97	-80	-26	9	28	34	12	6	2	4	3	0
	0.9a	-30	-10	3	1	4	4	-152	-74	-23	10	28	33.	19	8	Ö,	3	2	<u></u>
	0.8a	-28	-13	-3	5	9	10	-141	-69	-20	11	28	33	20	8	1	3	2	ō
	0.7a	-26	-12	0	9	15	17	-132	-63	-16	12	28	33	20	7	0	4	3	0
L	0.6a	-25	-10	4	15	21	24	-124	-56	-12	14	27	32	20	6	2	- 5	4	ō
L	0.5a	-23	-6	9	20	27	29	-115	-48	8	15	26	30	20	4	5	8	5	ō
	0.4a	-21	-3	13	25.	31	33	-103	-39	-4	15	24	27	21	1.	9	10	6	o
	0.3a	-17	1	16	26	32	34	-87	-29	-1	14	21	23	21	3	12	13	8	
- [0.2a	-13	3	16	24	28	30	-66	-18	1	11	16	17	22	7	16	15	9	o
	0.1a	-7	4	12	16	18	19	-37	-8	2	6	9	10	22	10	18	16	9	ō
Ĺ	BOT.	0	o	ol	0	0	0	0	0	. 0	0	0	. 0	23	12	19	17	10	

Short Side

Moment = Coef. $\times qa^2/1000$



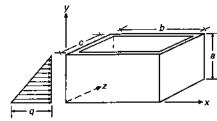
$\frac{b}{a} = 3.0, \frac{c}{a}$	= 1.5		N	I _x Coe	fficie	nt			N	l, Coe	fficie	nt			M	l _{xy} Co	efficle	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
	L. L.		0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b		1	0.9b	0.85	0.7b	0.6b	
	TOP	-16	0	0	0	0	0	-82	-34	26	59	75	80	20	40	41	32	17	(
	0.9a	-26	-4	4	9	11	12	-132	-32	25	56	71	75	26	38	40	31	17	(
	0.8a	-25	-4	10	18	23	24		-29	25	53	67	70	26	38	40	31	17	(
	0.7a		-1	16		33	35	-116	-25	25	50		65	27	39	41	32	17	(
Long Side	0.6a	-22	3	23	35	42	44	-109	-21	25	47	57	60	27	41	43	34	18	(
	0.5a	-20	7	28	41	48	50	-102	-16	24	43	51	53	28	45	46	36	19	
	0.4a	-19	10	32	44	51	53	-93	-11	22	37	44	46	29	49	50	38	20	- 0
	0.3a	-16	13	32	43	49	50	-79	-7	19	30	35	37	30	54	53	40	21	0
	0.2a	-12	13	28	36	40	41	-60	-3	15	22	25	26	31	58	56	41	21	(
	0.1a	-7	10	18	22	24	25	-34	-1	8	12	14	14	32	62	58	42	22	0
	BOT.	0	D	0	0	0	0	0	0	0	0.	0	0	32	63	58	42	22	0
		CORNER		0.2c	0.3c	0.4c 0.6c	0.5c	CORNER		0.2c	0.3c	0.4c 0.6c	0.5c	COANER		0.2c	0.3c 0.7c	0.4c	0.50
	TOP	-16	0.50	0.00	0.70	0.00	0	-82	-86	-48	-22	-7	-2	20	18	10:80	5	2	
	0.9a	-26	-12	-6	-3	-2	-1		-80	-44	-19	-5		26	19	12	6		
	0.8a	-25	-15	-8	-3	0	Ö		-75	-40	-16	-2		26	19	12	7	3	ì
	0.7a	-23	-15	-7	-1	3	4	-116	-69	-35	-12	1.	5	27	19	12	7	3	
Short Side	0.6a	-22	-13	-4	3	7	9	-109	-62	-29	-8	4	8	27	19	11	5	2	
	0.5a	-20	-10	0	8	12	14	-102	-54	-23	-3	7	10	28	18	9	4	1	0
	0.4a	-19	-7	4	12	17	19		-45	-17.	0	9	12	29	16	6	2	- 0	0
	0.3a	-16	-4	7	15	20	21	-79	-35	-11	2	9	11	30	13	3	1	1	
	0.2a	-12	-1.	9	16	19	20	-60	-23	-6	4	8	9	31	10	o o	3	2	

$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.0		М	l _x Coe	fficie	nt			M	, Coe	fficle	nt			M,	_{xy} Co	efficle	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9Ь	0.8b	0.7b	0.6b	
	TOP	-16	0	0	0	0	0	-78	-29	30	61	76	81	24	43	42	33	17	Ó
	0.9a	-25	-3	5	9	12	12	-124	-26	29	58	72	. 76	28	40	41	32	17	Ö
	0.8a	-23	-2	11	19	23	24	-113	-23	28	55	68	71	28	40	41	32	17	0
	0.7a	-21	1	17	28	34	35	-105	-20	28	52	63	66	29	41	42	33	18	0
Long Side	0.6a	-20	5	24	36	43	45	-99	-16	27	48	58	60	30	44	45	35	18	0
	0.5a	-18	9	30	42	49	51	-92	-12	26	44	52	54	32	47	48	36	19	o
	0.4a	-17	12	33	45	51	53	-83	-8	_ 24	38	44	46	34	52	51	38	20	0
	0.3a	-14	14	33	44	49	51	72	-4	20	31	36	37	35	56	54	40	21	0
	0.2a	-11	14	29	37	40	42	-55	-1	15	22	26	26	37	61	57	42	21	0
	0.1a	-6	10	18	23	25	25	-31	0	9	12	14	14	38	64	59	43	22	0
	BOT.	0	ol	ol	0	0	0	0	0	0	0	0	0	39	66	59	43	22	0

		M	, Coe	fficier	ıt			M	, Coe	fficie	nt			M	yz Coe	efficie	nt	
İ	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4¢	0.5¢	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			Q.9c	0.8c	0.7c	0.6c	1
TOP	-16	0	0	0	0	0	-78	-101	-80	-65	-56	-53	24	25	16	10	5	0
0.9a	-25	-16	-11	-8	-7	-7	-124	-93	-74	-60	-51	-48	28	23	17	11	5	0
0.8a	-23	-19	-15	-12	-11	-10	-113	-88	-68	-54	-45	-42	28	22	17	11	6	0
0.7a	-21	-18	-15	-12	-11,	-10	-105	-81	-61	-47	-38	-36	29	23	17	11	6	0
0.6a	-20	-16	-13	-10	-9	-8	-99	-73	-53	-39	-31	-28	30	24	18	12	6	o
0.5a	-18	-14	-10	-7	-5	-4	-92	-65	-45	-31	-24	-21	32	25	18	11	6	0
0.4a	-17	-12	-7	-3	0	1	-83	-55	-36	-23	-16	-14	34	25	17	10	5	0
0.3a	-14	-8	-3	2	4	5	-72	-43	-26	-15	-10	-8	35	24	15	9	4	O
0.2a	-11	-5	1	5	7	8	-55	-30	-16	-9	-5	-3	37	22	13	7	3	0
0.1a	-6	-1	_ 3	5	7	7	-31	-15	-7	-3	1	-1	38	20	11	5	2	0
BOT.	0	0	0	0	0	0	0	0	0	0	0	0	39	19	10	5	2	0

Short Side

Moment = Coef. $\times qa^2/1000$



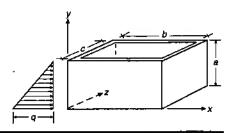
						Mo	omen	nt = C	oet.	× qa	²/ 100)0	F			, # ²		_	
													F	$q \longrightarrow$	<u> </u>			<u> </u>	→ x
$\frac{b}{a}$ = 4.0, $\frac{c}{a}$ =	= 0.5		N	I _x Coe	fficie	nt	_		M	, Coe	efficien	nt			М	_{xy} Cor	efficie	nt	
		CORNER		0.2ხ	0.3b	0.4b	0.5b	CORNER		0.2ь		0.4b	0.5b	CORNER		0.2b	0.3Ь	0.4b	0.5b
			0.9b	0.8ხ	0.7b	0.6Ъ	ليسا	ليسأ	0.95	0.8b		0.6b	ليب	ليب	0.9b	0.8b	0.7Ь	0.6b	لپب
	TOP	-31							-39	40		88		33		-	54 53	28 28	0
	0.9a	-43		+			15 29		-36 -31	38 37	70 66	82 77	86 80			1		28	
	0.Ba	-38	-3		23 34			-	-31 -27	35		71	73	37				28	
	0.7a	-33 -29	6			49		-145	-27	34			67	39				-	
Long Side	0.6a 0.5a	-29 -25	11	_	-				-16		50	1	59					29	
	0.5a	-22	16						-10	28			50		·			30	0
	0.3a	-18											40	\longrightarrow	4	81	59		0
	0.3a	-13				44			-2	17		28	28	48	89	83	60		0
	0.1a	_			25			-36				·						31	0
	вот.	0	+				_	0	0	0	ol	0	0	51	93	85	61	31	٥
												-							
			М	l, Coef	fficien	ıt					efficien					7-	efficier		
	,	CORNER		0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER		0.20	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c	لِــــا	ليبا	0.9c	0.8c	0.7c	0.6c	ليب	ليب	0.9c	0.8c	0.7c	0.6c	ليسا
	TOP	-31	0						-211				-182	33				8	
	0.9a	-43	-37	-31	-26					-182			-169	37 37				7	
	0.8a	-38	-36		-34					-168		-157 -142	-156 -141	37				7	
State of the state of	0.7a	-33	-33			-33 -29				-151 -132			-141	37				7	<u>`</u>
Short Side	0.6a	-29 -25	-29 -25	-29 -25	-29 -25	-29 -25			-119	-132	1 		-104					_	
	0.5a 0.4a	-25 -22	-25 -21						-100	-92		-84	-83	43					
	0.4a	-18							-78	-71		-63	-62	46			4		0
	0.3a								-55			-41	-40	48	36	27	17	9	0
	0.1a	-		-				1				-19	-19	50	36	26	17	8	
	вот.	0		0			! 		0	0	0	0	0	51	35	25	16	8	0
									_										
$\frac{b}{a} = 3.0, \frac{c}{a} =$	= 2.0		N	I, Coe	fficie	nt			M	l, Co€	efficier	nt			М	xy Cor	efficle	nt	
		CORNER	0.1b	0.2๖	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b		0.45	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
	'	1 '	0.9b	0.85	0.7b	0.65	'		0.9b	0.8ხ	0.7b	0.6b	<u>'</u>	ليسا	0.9ხ	0.8b	0.7b	0.6b	
	TOP			1 					-45		-							16	
	0.9a			\longrightarrow					-42					\longrightarrow				+	
	0.8a								-38										
-14	0.7a					-	_								1			+	
Long Side	0.6a											-					1 1		
	0.5a	_		_					+		1								
	0.4a 0.3a	_								_									
	U.Sa	. *177	(11	1 31	76.	1 70	1	٠,٠,٠	٠	·	 ,			1					

$\overline{a} = 3.0$, $a =$	2.0		M	, Coe	πiciei	11			M	, coe	mcier	11.			IVI:	xy CDE	HIICIE	ш	
		CORNER	0.1b	0.2๖	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.55	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.85	0.7b	0.6b			0.9b	ი.8ხ	0.7b	0.65			0.9ხ	0.8b	0.7b	0.6b	
	TOP	-19	0	0	0	Ö	0	-97	-45	20	56	73	78	12	37		31	16	0
	0.9a	-30	-5	3	8	11	12	-152	-42	20	53	69	73		34		30	16	0
	0.8a	-28	-6	9	17	22	24	-141	-38	20	51	65	69	20	34	37	30	16	0
	0.7a	-26	-3	15	26	32	34	-132	-34	20	48	60	64	20	35	39	31	17	0:
Long Side	0.6a	-25	- 0	21	34	41	43	-124	-29	21	45	56	59	20	37	41	33	18	0
Long oldo	0.5a		4	27	40	47	50	-115	-23	20	41	50	52	20	41	44	35	18	0
	0.4a	-21	8	30	43	50	52	-103	-17	19	36	43	45	21	45	47	37	19	0
	0.3a	-17	11	31	42	48	50	-87	-11	17	29	35	36	21	49	51	39	20	0
	0.2a	-13	12	27	36	40	41	-66	-6	13	21	25	26	22	54	54	40		0
	0.1a	-7	9	18	22	24	25	-37	-2	7_	12	13	14	22	57	56	41	21	0
	вот.	0	0	٥	0	0	0	0	0	0	0	0	0	23	59	56	42	21	0

			М	, Coef	fficien	t			M	, Coe	fficier	nt			M,	Z COE	efficie	nt	
		CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c		. 1	0.90	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	-19	0	0	0	0	0	-97	-80	-26	9	28	34	12	6	2	4	3	0
	0.9a	-30	-10	-3	1	4	4	-152	-74	-23	10	28	. 33	19	8	0	3	2	. 0
	0.8a	-28	-13	-3	5	9	10	-141	-69	-20	11	28	33	20	8	1	3	2	0
	0.7a			0	9	15	17	-132	-63	-16	_12	28	33	20	7	0	4	3	0
ort Side	0.6a	_		4	15	21	24	-124	-56	-12	14	27	32	20	6	2	5	4	0
ort Oldo	0.5a	-23	-6	9	20	27	29	-115	-48	-8	15	26	30	20	4	5	8	5	0
	0.4a	-21	-3	13	25	31	33	-103	-39	-4	15	24	27	21	1	9	10	6	(
	0.3a	-17	1	16	26	32	34	-87	-29	-1	14	21	23	21	3	12	13	8	
	0.2a	-13	3	16	24	28	30	-66	-18	1	11	16	17	22	7	16	15	9	
	0.1a		4	12	16	18	19	-37	-8	2	6	9	10	22	10	18	16	9	C
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	23	12	19	17	10	<u> </u>

Sho

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.5		M	, Coe	fficle	nt			M	, Coe	fficle	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5ь	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-16	0	0	0	0	0	-82	-34	26	59	75	80		40	41	32		0
	0.9a	-26	-4	4	9	11	12	-132	-32	25	56	71_	75	_	38		-	_ 17	0
	0.8a	-25	-4	10	18	23	24	-123	-29	25	53	67	70		38	40			0
	0.7a	-23	-1	16	27	33	35	-116	-25	25	50	_62	65		39	41	32		0
Long Side	0.6a	-22	3	23	35	42	44	-109	-21	25	47	57	60		41	43	34	18	
(2).55	0.5a	-20	7	28	41	48	50	-102	-16	24	43	51	53		45	46			
	0.4a	-19	10	32	44	51	53	-93	-11	22	37	44	46	29	49	50	38		
	0.3a	-16	13	32	43	49	50	-79	-7	19	30	35	37	30	54	53			0
	0.2a	-12	13	28	36	40	41	-60	-3	15	22	25	26	31	58	56			0
	0.1a	-7	10	18	22	24	25	-34	-1	8	12	14	14	32	62	58	42	22	0
	вот.	0	0	0	0	0	0	0	0	0	0	0	0	32	63	58	42	22	0

M_z Coefficient

Short Side

	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.40	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c		0	0.9c	0.8c	0.7c	0.60	TIXI.		0.9c	0.8c	0.7c	0.6c	
TOP	-16	0	0	0	0	0	-82	-86	-48	-22	-7	-2	20	18	10	5	2	0
0.9a	-26	-12	-6	-3	-2	-1	-132	-80	-44	-19	-5	0	26	19	12	6	3	0
0.8a	-25	-15	-8	-3	0	0	-123	-75	-40	-16	-2	2	26	19	12	7	3	0
0.7a	-23	-15	-7	1	3	4	-116	-69	-35	-12	1	5	27	19	12	7	3	0
0.6a	-22	-13	-4	3	7	9	-109	-62	-29	-8	4	8	27	19	11	5	2	0
0.5a	-20	-10	0	8	12	14	-102	-54	-23	-3	7	10	28	18	9	4	1	0
0.4a	-19	-7	4	12	17	19	-93	-45	-17	0	9	12	29	16	6	2	0	0
0.3a	-16	-4	7	15	20	21	-79	-35	-11	2	9	11	30	13	3	1	1	0
0.2a	-12	-1	9	16	19	20	-60	-23	-6	4	8	9	31	10	. 0	3	2	0
0.1a	-7	2	8	11	13	14	-34	-11	-2	3	5	6	32	6	3	5	3	0
BOT.	0	0	0	0	0	0	0	0	0	0	0	0	32	5	4	6	4	0

My Coefficient

$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.0		M	, Coe	fficie	nt			М	, Coe	fficle	nt			M	_{ry} Coe	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5Ь	CORNER	0.1b	0.2b	0.3ь	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	l		0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-16	0	Ö	. 0	. 0	0	-78	-29	30	61	76	81	24	43	42	33	17	0
	0.9a	-25	-3	5	9	12	12	-124	-26	29	58	72	76	28	40	41	32	17	0
	0.8a	-23	-2	11	19	23	24	-113	-23	28	55	68	71	28	40	41	32	17	0
	0.7a	-21	1	17	28	34	35	-105	-20	28	52	63	66	29	41	42	33	18	0
Long Side	0.6a	-20	5	24	36	43	45	-99	-16	27	48	58	60	30	44	45	35	18	- 0
	0.5a	-18	9	30	42	49	51	-92	-12	26	44	52	54	32	47	48	36	19	0
	0.4a	-17	12	33	45	51	53	-83	-8	24	38	44	46	34	52	51	38	20	0
	0.3a	-14	14	33	44	49	51	-72	-4	20	31	36	37	35	56	54	40	21	0
	0.2a	-11	14	29	37	40	42	-55	-1	15	22	26	26	37	61	57	42	21	0
	0.1a	-6	10	18	23	25	25	-31	0	9	12	14	14	38	64	59	43	22	0
	DOT		Δ.	_	0	0	l	t n	٥	n	П	n	n	39	66	59	43	22	l n

		M	, Coe	fficien	it			М	, Coe	fficier	nt			M.	, Coe	efficle	nt	
	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	COANER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c
	12.9	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	-16	0	0	0	0	0	-78	-101	-80	-65	-56	-53	24	25	16	10	5	0
0.9a	-25	-16	-11	-8	-7	-7	-124	-93	-74	-60	-51	-48	28	23	17	11	5	0
0.8a	-23	-19	-15	-12	-11	-10	-113	-88	-68	-54	-45	-42	28	22	17	11	6	0
0.7a	-21	-18	-15	-12	-11	-10	-105	-81	-61	-47	-38	-36	29	23	17	11.	6	0
0.6a	-20	-16	-13	-10	-9	-8	-99	-73	-53	-39	-31	-28	30	24	18	12	6	0
0.5a	-18	-14	-10	-7	-5	-4	-92	-65	-45	-31	-24	-21	32	25	18	11	6	0
0.4a	-17	-12	-7	-3	0	1	-83	-55	-36	-23	-16	-14	34	25	17	10	5	0
0.3a	-14	-8	-3	2	4	5	-72	-43	-26	-15	-10	-8	35	24	15	9	4	0
0.29	-11	-5	- 1	5	7	8	-55	-30	-16	-9	-5	-3	37	22	13	7	3	0

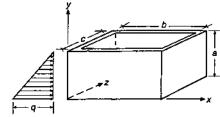
Short Side

0.1a

38

20

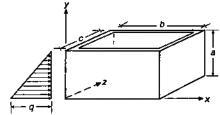
Moment = Coef. $\times qa^2/1000$



b C														4-1					
$\frac{b}{a} = 3.0, \frac{c}{a} =$	= 0.5		M	l, Coe	efficie	nt				•	fficie					*	efficie		
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
	TOP	-18	0.9b 0	0.8b 0	0.7b 0	0.6b	0	-90	0.9b -35	0.8b 27	0.7b 60	0.6b 75	80	18	0.9b 41	0.8b 41	0.7b 32	0.6b 17	0
	0.9a	-28	-4	4	_	11	12	-142	-32	26	56	_	75	22	38	40	31	17	Ö
	0.8a	-25	-4	10	18	23	24	-126	-29	25	53		70	22	38	40	32	17	0
	0.7a	-23	Ö	17	28	33	35	-114	-25	25	50		65	22	39	41	33	17	_ 0
Long Side	0.6a	-21	. 4	24	36	42	44	-103	-20	25	47		60	24	42	44	34	18	00
	0.5a	-19 -16	9	29	42	49 51	51 53	-93 -82	-15 -10	24	43 37	51 44	53 46	26 28	45 49	47 50	36 38	19 20	0
	0.4a 0.3a	-16 -14	12 15	33 33	45 44	49	50	-62 -69	-10 -5	19	30		37	31	54	53	39	21	0
	0.2a	-10	15	29	37	40	41	-52	-2	15	22	25	26	34	58	55	41	21	<u>_</u>
	0.1a	-6	11	19	23	25	25	-30	0	8	12	14	14	36	62	57	42	22	0
	BOT.	ol	0	0	. 0	0	0:	0	Q	0	0	0	0	37	63	58	42	22	0
			М	, Coei	fficien	it			М	, Coe	fficier	nt			M	_{yz} Coe	efficie	nt	
	1	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
	لے		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	-18	. 0	0	. 0	0	0	-90	-137	-130	-125	-122	·121	18	26	17	10	.5	0
	0.9a 0.8a	-28 -25	-24 -24	-20 -23	-17 -22	-16 -22	<u>-∙15</u> •22	-142 -126	-129 -119	-121 -112	-116 -107	-113 -105	-112 -104	22	17 16	13 12	9 8	5 4	0
	0.7a	-23	-22	-22	-22	-22	-22	-114	-108	·102	-98	-95	-94	22	17	13	9	4	ŏ
Short Side	0.6a	-21	-20	-20	-20	-20	-20	-103	-97	-91	-86	-84	-83	24	19	14	10	51	0
	0.5a	-19	-18	-18	∙18	-18	-18	-93	-85	-79	-74	-71	-70	26	21	16	11	5	0
	0.4a	-16	-16	-15	·15	-14	-14	-82	-72	-65	-60	-57	-56	28	23	17	12	61	0
	0.3a 0.2a	-14 -10	-13 -9	-12 -7	-11 -6	-10 -5,	-10 -5	-69 -52	-58 -41	-50, -34	-45 -30	-42 -27	-41 -26	31 34	24 25	18 18	12 12	6	0
	0.2a	-6	-4	3	-2	-1		-30	-22	-17	-30 -14	-13	-12	36	25	17	11	5,	- 0
	вот.	0	o	0	0	0,	0	0	0	0	0	0	0	37	24		11	5	0
		- 1	رب										_	•					
b c																			
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.5		М	, Coe	fficier	nt				•	fficie		O.F.		M		officie		0.55
$\frac{b}{a} = 2.0, \frac{c}{a} =$	= 1.5	CORNER	M	. Coe	fficier	1 t	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	M	0.2b	0.3b	0.4b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.5 TOP	CORNER	М	, Coe	fficier	nt		CORNER		•		0.4b	0.5b 51		M	0.2b			0
$\frac{b}{a} = 2.0, \frac{c}{a} =$		-7 -15	0.1b 0.9b	0.2b 0.8b 0	0.3b 0.7b 0	0.4b 0.6b 0	0.5b 0 7	-36 -76	0.1b 0.9b -30 -28	0.2b 0.8b 7 7	0.3b 0.7b 33 32	0.4b 0.6b 47 45	51 49	CORNER 3 7	0.1b 0.9b 10 8	0.2b 0.8b 12 10	0.3b 0.7b 10 9	0.4b 0.6b 6	0
$\frac{b}{a}$ = 2.0, $\frac{c}{a}$ =	TOP 0.9a 0.8a	-7 -15 -15	0.1b 0.9b 0	0.2b 0.8b 0 1	0.3b 0.7b 0.4	0.4b 0.6b 0 6	0.5b 0 7 14	-36 -76 -77	0.1b 0.9b -30 -28 -27	0.2b 0.8b 7 7 8	0.3b 0.7b 33 32 31	0.4b 0.6b 47 45 44	51 49 48	CORNER 3 7	0.1b 0.9b 10 8	0.2b 0.8b 12 10	0.3b 0.7b 10 9	0.4b 0.6b 6 5	0
1500	TOP 0.9a 0.8a 0.7a	-7 -15 -15 -15	0.1b 0.9b 0 -4 -4 -3	0.2b 0.8b 0 1 4	0.3b 0.7b 0 4 10	0.4b 0.6b 0 6 13	0.5b 0 7 14 22	+36 -76 -77 -77	0.1b 0.9b -30 -28 -27 -25	0.2b 0.8b 7 7 8 10	0.3b 0.7b 33 32 31	0.4b 0.6b 47 45 44 42	51 49 48 46	3 7 7 8	0.1b 0.9b 10 8 8	0.2b 0.8b 12 10 10	0.3b 0.7b 10 9	0.4b 0.6b 6 5	0 0 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a	-7 -15 -15 -15	0.1b 0.9b 0 -4 -4 -3 -1	0.2b 0.8b 0 1 4 8 12	0.3b 0.7b 00 4 10 16 22	0.4b 0.6b 0 6 13 20	0.5b 0 7 14 22 29	-36 -76 -77 -77 -78	0.1b 0.9b -30 -28 -27 -25 -23	0.2b 0.8b 7 7 8 10	0.3b 0.7b 33 32 31 31 30	0.4b 0.6b 47 45 44 42 40	51 49 48	CORNER 3 7	0.1b 0.9b 10 8 8 9	0.2b 0.8b 12 10 10 11 13	0.3b 0.7b 10 9 9	0.4b 0.6b 6 5 5 6 6	0 0 0
1500	TOP 0.9a 0.8a 0.7a	-7 -15 -15 -15	0.1b 0.9b 0 -4 -4 -3	0.2b 0.8b 0 1 4	0.3b 0.7b 0 4 10	0.4b 0.6b 0 6 13	0.5b 0 7 14 22	+36 -76 -77 -77	0.1b 0.9b -30 -28 -27 -25	0.2b 0.8b 7 7 8 10	0.3b 0.7b 33 32 31	0.4b 0.6b 47 45 44 42 40 37	51 49 48 46 43	3 7 7 8 8	0.1b 0.9b 10 8 8	0.2b 0.8b 12 10 10	0.3b 0.7b 10 9	0.4b 0.6b 6 5	0 0 0 0
1500	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-7 -15 -15 -15 -16 -15	0.1b 0.9b 0 -4 -4 -3 -1 1	0.2b 0.8b 0 1 4 8 12	0.3b 0.7b 0 4 10 16 22 27	0.4b 0.6b 0 6 13 20 27 33 36 36	0.5b 0 7 14 22 29 35 38 38	•36 -76 -77 -77 •78 •77	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11	0.2b 0.8b 7 7 8 10 11 12 12	0.3b 0.7b 33 32 31 31 30 29 26	0.4b 0.6b 47 45 44 42 40 37 33 28	51 49 48 46 43 40 35 29	3 7 7 8 8 9 9	0.1b 0.9b 10 8 8 9 11 14 18	0.2b 0.8b 12 10 10 11 13 16 20 24	0.3b 0.7b 10 9 10 11 14 16	0.4b 0.6b 6 5 6 6 6	0 0 0
1500	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-7 -15 -15 -16 -16 -15 -15 -13	0.1b 0.9b 0 -4 -4 -3 -1 1 3 5	0.2b 0.8b 0 1 4 8 12 16i 19 21	0.3b 0.7b 0 4 10 16 22 27 30 31	0.4b 0.6b 0 6 13 20 27 33 36 36 36	0.5b 0 7 14 22 29 35 38 38	-36 -76 -77 -77 -78 -77 -73 -64 -51	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11	0.2b 0.8b 7 7 8 10 11 12 12 11 9	0.3b 0.7b 33 32 31 31 30 29 26 22 17	0.4b 0.6b 47 45 44 42 40 37 33 28	51 49 46 46 43 40 35 29 21	33 7 7 8 8 9 9 10 10	0.1b 0.9b 10 8 8 9 11 14 18 22	0.2b 0.8b 12 10 10 11 13 16 20 24	0.3b 0.7b 10 9 10 11 14 16 19 21	0.4b 0.6b 6, 5, 6 6 8 9	0 0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-7 -15 -15 -15 -16 -15 -15 -13 -10 -6	0.1b 0.9b 0 -4 -4 -3 -1 1 3 5 7	0.2b 0.8b 0 1 4 8 12 16 19 21 19	0.3b 0.7b 0 4 10 16 22 27 30 31 27	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20	0.5b 0 7 14 22 29 35 38 38 32 20	-36 -76 -77 -77 -78 -77 -73 -64 -51	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6	0.3b 0.7b 33 32 31 30 29 26 22 17	0.4b 0.6b 47 45 44 42 40 37 33 28 20	51 49 48 46 43 40 35 29 21	33 7 7 8 8 9 9 10 10 11	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30	0.3b 0.7b 10 9 10 11 14 16 19 21 23	0.4b 0.6b 6 5 6 6 8 9 10 11	0 0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-7 -15 -15 -16 -16 -15 -15 -13	0.1b 0.9b 0.9b -4 -4 -3 -1 1 3 5 7 6	0.2b 0.8b 0.8b 1 4 8 12 16 19 21 19	0.3b 0.7b 0.7b 0 4 10 16 22 27 30 31 27 17	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0	0.5b 0 7 14 22 29 35 38 38 32 20	-36 -76 -77 -77 -78 -77 -73 -64 -51	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6	0.3b 0.7b 33 32 31 30 29 26 22 17 9	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11	51 49 46 46 43 40 35 29 21	33 7 7 8 8 9 9 10 10	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23	0.4b 0.6b 6 5 6 6 8 9 10 11 12	0 0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-7 -15 -15 -15 -16 -15 -15 -13 -10 -6	0.1b 0.9b 0 -4 -4 -3 -1 1 3 5 7 6	0.2b 0.8b 0 1 4 8 12 16i 19 21 13 0	0.3b 0.7b 0 4 10 16 22 27 30 31 27 17 0	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0	0.5b 0 7 14 22 29 35 38 38 32 20	-36 -76 -77 -77 -78 -77 -73 -64 -51 -30	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11	51 49 48 46 43 40 35 29 21 12	3 7 7 8 8 9 10 10	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23	0.4b 0.6b 6 5 6 8 9 10 11 12 12	0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-7 -15 -15 -15 -16 -15 -15 -13 -10 -6	0.1b 0.9b 0 -4 -4 -3 -1 1 3 5 7 6 0	0.2b 0.8b 0 1 4 8 12 16i 19 13 0 0.2c	0.3b 0.7b 0 4 10 16 22 27 30 31 27 17 0	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0 tt	0.5b 0 7 14 22 29 35 38 38 32 20	-36 -76 -77 -77 -78 -77 -73 -64 -51 -30	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0	51 49 48 46 43 40 35 29 21 12	33 7 7 8 8 9 9 10 10 11	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 23	0.4b 0.6b 6 5 6 8 9 10 11 12 12	0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.3a 0.2a 0.1a BOT.	-7 -15 -15 -15 -16 -15 -15 -13 -10 -6 0	0.1b 0.9b 0 -4 -4 -3 -1 1 3 5 7 6	0.2b 0.8b 0 1 4 8 12 16 19 21 19 22 0.2c 0.8c	0.3b 0.7b 0 4 10 16 22 27 30 31 27 17 0	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0 tt	0.5b 0 7 14 22 29 35 38 32 20 0	-36 -76 -77 -77 -78 -77 -73 -64 -51 -30 0	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 0.2c 0.8c	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0 fficier 0.3c 0.7c	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0	51 49 48 46 43 40 35 29 21 12	3 7 7 8 8 9 10 10	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 23 25	0.4b 0.6b 6 5 6 8 9 10 11 12 12 nt 0.4c 0.6c	0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-7 -15 -15 -15 -16 -15 -15 -13 -10 -6	0.1b 0.9b 0 -4 -4 -3 -1 1 3 5 7 6 0	0.2b 0.8b 0 1 4 8 12 16i 19 13 0 0.2c	0.3b 0.7b 0 4 10 16 22 27 30 31 27 17 0	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0 tt	0.5b 0 7 14 22 29 35 38 38 32 20	-36 -76 -77 -77 -78 -77 -73 -64 -51 -30	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 Coe 0.2c 0.8c -18 -16	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0 fficier 0.3c 0.7c 2	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0 11 0.4c 0.6c 14 15	51 49 48 46 43 40 35 29 21 12 0	3 7 7 8 8 9 9 10 11 11 11 CORNER 3 7 7	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 2 4	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 23 efficie 0.3c 0.7c 0	0.4b 0.6b 6 5 6 6 8 9 10 11 12 12 nt 0.4c 0.6c 0	0 0 0 0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.1a BOT.	-7 -15 -15 -15 -16 -15 -15 -13 -10 -6 0	0.1b 0.9b 0.9b -4 -4 -3 -1 1 3 5 7 6 0 0.1c 0.9c	0.2b 0.8b 0 1 4 8 12 16 19 21 19 13 0 20 0.2c 0.8c 0 0.2c	0.3b 0.7b 0.7b 0 4 10 16 222 27 30 31 27 17 0 fficien 0.3c 0.7c 0 2	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0 tt 0.4c 0.6c 0 1	0.5b 0 7 14 22 29 36 38 32 20 0	-36 -76 -77 -77 -78 -77 -64 -51 -30 0	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0 0.1c 0.9c -45 -42 -41	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 Coe 0.2c 0.8c -18 -16 -14	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0.3c 0.7c 2 3	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0 0 11 0.4c 0.6c 14 15	51 49 48 46 43 40 35 29 21 12 0	3 7 7 8 8 9 9 10 11 11 11 CORNER 3 7 7	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M 0.1c 0.9c	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 2 4	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 23 officie 0.3c 0.7c 0 2	0.4b 0.6b 6 5 6 8 9 10 11 12 12 nt 0.4c 0.6c 0 1	0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.1a BOT. TOP 0.9a 0.8a 0.7a	-7 -15 -15 -16 -15 -15 -17 -19 -10 -6 0 -7 -7 -15 -15 -15 -15 -15	0.1b 0.9b 0.9b -4 -3 -1 1 3 5 7 6 0 0.1c 0.9c -8 -8	0.2b 0.8b 0.8b 0 1 4 8 12 16 19 21 19 13 0 20 0.2c 0.8c 0 -2 -2 -1	0.3b 0.7b 0.7b 0.4 10 16 22 27 30 31 27 17 0 fficien 0.3c 0.7c 0 2 5	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0 at 0.4c 0.6c 0 1 4 8	0.5b 0 7 14 22 29 35 38 32 20 0 0 0 5 9	-36 -76 -77 -77 -78 -77 -64 -51 -30 0	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0 0.1c 0.9c -45 -42 -41 -39	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 0.2c 0.8c -18 -16 -14 -11	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0.3c 0.7c 2 3 5 7	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0 0 11 0.4c 0.6c 14 15 16 18	51 49 48 46 43 40 35 29 21 12 0	3 7 7 8 8 9 9 10 11 11 11 CORNER 3 7 7 8	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M 0.1c 0.9c 6 7 7	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 2 4 4 4	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 23 efficie 0.3c 0.7c 0 2 2	0.4b 0.6b 6 5 6 8 9 10 11 12 12 nt 0.4c 0.6c 0 1 1	0 0 0 0 0 0 0 0 0
1000	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.1a BOT. TOP 0.9a 0.8a 0.7a	-7 -15 -15 -16 -15 -15 -17 -18 -10 -6 0 CORNER -7 -15 -15 -15 -15 -15 -16	0.1b 0.9b 0.9b -4 -4 -3 -1 1 3 5 7 6 0 0.1c 0.9c -6 -8 -8	0.2b 0.8b 0.8b 11 4 8 12 16 19 21 19 13 0 20 0.2c 0.8c 0 -2 -2 -1 2	0.3b 0.7b 0.7b 0 4 10 16 22 27 30 31 27 17 0 fficien 0.3c 0.7c 0 2 5 9	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0 tt 0.4c 0.6c 0 1 4 8 13	0.5b 0 7 14 222 29 35 38 38 32 20 0 0.5c 0 1 5 9 14	-36 -76 -77 -78 -77 -73 -64 -51 -30 0 corner -36 -76 -77 -77	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0 0.1c 0.9c -45 -41 -39 -36	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 0.2c 0.8c -18 -14 -11 -8	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0.3c 0.7c 2 3 5 7	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0 0.4c 0.6c 14 15 16 18	51 49 48 46 43 40 35 29 21 12 0 0.5c	33 7 7 8 8 8 7 7 7 8 8 8 8 8	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M 0.1c 0.9c 6 7 7	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 2 4 4 4 3	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 0.7c 0.7c 0 2 2 2 0	0.4b 0.6b 6 6 8 9 10 11 12 12 nt 0.4c 0.6c 0 1 1	0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a	-7 -15 -15 -16 -15 -15 -17 -18 -10 -6 0 GORNER -7 -15 -15 -15 -15 -15 -15 -15	0.1b 0.9b 0.9b -4 -3 -1 1 3 5 7 6 0 0.1c 0.9c -6 -8 -8 -6	0.2b 0.8b 0.8b 0 1 4 8 12 16 19 21 19 13 0 20 0.2c 0.8c 0 -2 -2 -1	0.3b 0.7b 0.7b 0.4 10 16 22 27 30 31 27 17 0 fficien 0.3c 0.7c 0 2 5	0.4b 0.6b 0 6 13 20 27 33 36 36 31 20 0 tt 0.4c 0.6c 0 1 4 8 13 18	0.5b 0 7 14 22 29 35 38 32 20 0 0 0 5 9	-36 -76 -77 -77 -78 -77 -64 -51 -30 0	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0 0.1c 0.9c -45 -41 -39 -36 -33	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 0.2c 0.8c -18 -14 -11 -8 -5	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0.3c 0.7c 2 3 5 7	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0 0 11 0.4c 0.6c 14 15 16 18	51 49 48 46 43 40 35 29 21 12 0	3 7 7 8 8 9 9 10 11 11 11 CORNER 3 7 7 8	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M 0.1c 0.9c 6 7 7	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 2 4 4 4 3	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 23 efficie 0.3c 0.7c 0 2 2	0.4b 0.6b 6 5 6 8 9 10 11 12 12 nt 0.4c 0.6c 0 1 1	0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.1a BOT. TOP 0.9a 0.8a 0.7a	-7 -15 -15 -16 -15 -15 -17 -18 -10 -6 0 CORNER -7 -15 -15 -15 -15 -15 -16	0.1b 0.9b 0.9b -4 -3 -1 1 3 5 7 6 0 0.1c 0.9c 0.9c -6 -8 -8 -8 -6 -5 -3 -1	0.2b 0.8b 0.8b 0 1 4 8 12 16 19 13 0 21 0.2c 0.8c 0.2c -2 -1 2 5 8 11	0.3b 0.7b 0.7b 4 10 16 22 27 30 31 27 17 0 ficien 0.3c 0.7c 0 2 5 9 13 17 19	0.46 0.6b 0.6b 13 20 27 33 36 36 31 20 0.4c 0.6c 0.6c 1 4 8 13 18 22 24	0.5b 0 7 14 22 29 35 38 32 20 0 0.5c 0 1 5 9 14 19 23 25	-36 -76 -77 -77 -78 -77 -64 -51 -30 0 CORNER -36 -76 -77 -77 -78 -77 -78 -77	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0 0.1c 0.9c -45 -41 -39 -36 -33 -28 -22	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 0.2c 0.8c -18 -16 -14 -11 -8 -5 -2 0	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0.3c 0.7c 23 5 7 9 11 12 11	0.4b 0.6b 47 45 44 42 40 37 33 28 20 11 0 0.4c 0.6c 14 15 16 18 19 20 17	51 49 48 46 43 40 35 29 21 12 0 0.5c	CORNER 3 7 7 8 8 9 9 10 11 11 11 CORNER 3 7 7 8 8 9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M 0.1c 0.9c 0.9c 7 7 7	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 2 4 4 3 0 3 6	0.3b 0.7b 10 9 9 10 11 14 16 19 21 23 23 23 efficle 0.3c 0.7c 0 2 2 2 0 2 4 7	0.4b 0.6b 6 5 6 8 9 10 11 12 12 0.4c 0.6c 0 1 1 0 0 1 1 1 4	0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-7 -15 -15 -16 -15 -15 -17 -18 -10 -6 0 CORNER -7 -15 -15 -15 -15 -15 -16 -15 -15 -16 -15 -15 -16 -15 -15 -16 -17	0.1b 0.9b 0.9b 0.4 -4 -3 -1 1 3 5 7 6 0 0.1c 0.9c 0.9c -6 -6 -8 -8 -6 -5 -3 -1 1	0.2b 0.8b 0.8b 0 1 4 8 12 16 19 13 0 21 19 21 20 0.8c 0.2c 0.8c 0 -2 -1 2 5 8 11 11	0.3b 0.7b 0.7b 0.16 22 27 30 31 27 17 0 ficien 0.3c 0.7c 0.7c 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.4b 0.6b 0.6 13 20 27 33 36 36 31 20 0 tt 0.4c 0.6c 0.6c 0 1 1 4 8 13 18 22 24 22	0.5b 0 7 14 22 29 35 38 32 20 0 0.5c 0 1 5 9 14 19 23 25 23	-36 -76 -77 -77 -73 -64 -51 -30 0 CORNER -36 -76 -77 -77 -78 -77 -78 -77 -73 -64 -51	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0 0.1c 0.9c -45 -41 -39 -36 -33 -28 -22 -14	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 0.2c 0.8c -18 -16 -14 -11 -8 -5 -2 0 2	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0.3c 0.7c 23 35 7 9 11 12 11	0.4b 0.6b 47 45 440 37 33 28 20 11 0 0.4c 0.6c 14 15 16 18 19 20 17 13	51 49 48 46 43 40 35 29 21 12 0 0.5c	CORNER 33 7 7 8 8 9 10 11 11 11 CORNER 3 7 7 8 8 9 9 10 10 11 11 11	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M 0.1c 0.9c 7 7 7 6 6	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 2 4 4 3 0 10 10	0.3b 0.7b 10 9 10 11 14 16 19 21 23 23 23 efficle 0.3c 0.7c 0 2 2 0 4 7	0.4b 0.6b 6 6 8 9 10 11 12 12 nt 0.4c 0.6c 0 1 1 0 0 1 3 4 5	0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.6a	-7 -15 -15 -16 -15 -15 -17 -19 -10 -6 0 CORNER -7 -15 -15 -15 -15 -15 -15 -15 -16 -15 -15 -15 -15 -15 -15	0.1b 0.9b 0.9b -4 -3 -1 1 3 5 7 6 0 0.1c 0.9c 0.9c -6 -8 -8 -8 -6 -5 -3 -1	0.2b 0.8b 0.8b 0 1 4 8 12 16 19 13 0 21 19 13 0 0.2c 0.8c 0 -2 -1 2 5 8 11 11 9	0.3b 0.7b 0.7b 4 10 16 22 27 30 31 27 17 0 ficien 0.3c 0.7c 0 2 5 9 13 17 19	0.46 0.6b 0.6b 13 20 27 33 36 36 31 20 0.4c 0.6c 0.6c 0 1 4 8 13 18 22 24 22 15	0.5b 0 7 14 22 29 35 38 32 20 0 0.5c 0 1 5 9 14 19 23 25 23 15	-36 -76 -77 -77 -78 -77 -64 -51 -30 0 CORNER -36 -76 -77 -77 -78 -77 -78 -77	0.1b 0.9b -30 -28 -27 -25 -23 -20 -16 -11 -7 -3 0 0.1c 0.9c -45 -41 -39 -36 -33 -28 -22	0.2b 0.8b 7 7 8 10 11 12 12 11 9 6 0 0.2c 0.8c -18 -16 -14 -11 -8 -5 -2 2	0.3b 0.7b 33 32 31 31 30 29 26 22 17 9 0.3c 0.7c 23 35 7 9 11 12 11 10 6	0.4b 0.6b 47 45 440 37 33 28 20 11 0 0.4c 0.6c 14 15 18 19 20 17 13 8	51 49 48 46 43 40 35 29 21 12 0 0.5c	CORNER 3 7 7 8 8 9 9 10 11 11 11 CORNER 3 7 7 8 8 9 9 9 10 10 10 10 10 10 10 10 10 10 10 10 10	0.1b 0.9b 10 8 8 9 11 14 18 22 27 30 32 M 0.1c 0.9c 6 7 7 7 6 6 4 2 1 1	0.2b 0.8b 12 10 10 11 13 16 20 24 28 30 31 0.2c 0.8c 0.8c 4 4 3 0 10 13	0.3b 0.7b 10 9 9 10 11 14 16 19 21 23 23 23 efficle 0.3c 0.7c 0 2 2 2 0 2 4 7	0.4b 0.6b 6 8 9 10 11 12 12 nt 0.4c 0.6c 0 1 1 0 0 1 1 3 4 5 6	0 0 0 0 0 0 0 0 0

Tank Analysis Results

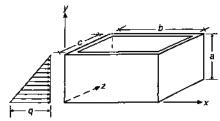
Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.0		м	. Cos	fficie	nt			М	, Coe	fficie	nt			М	_{xy} Co	efficie	nt	
		CORNER		0.2b	0.3b		0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		COMMEN	0.9b	0.8b	0.7b	0.6b	0,00	COMMEN	0.9b	0.8b		0.6b	0.00	Connient	0.9b	0.8b	0.7b	0.6b	0.55
	TOP	-6	0.30	0.00	0.10	0,00	0	-29	-21	14	38	51	55	8	13	14	11	6	0
	0.9a	-13	-2	2	5	7	 7	-64	-19	14	36	49	53	11	12	13	10	6	ŏ
	0.8a	-13	-2	5	11	14	15	-64	-18	15	36	47	51	11	12	12	10	6	0
	0.7a	-13	-1	10	17	22	23	-64	-17	15	35	45	49	12	13	13	11	6	0
Long Side	0.6a	-13	2	14	23	29	31	-65	-15	16	34	43	46	13	15	16	13	7	0
	0.5a	-13	4	18	29	35	37	-64	-13	16	32	40	42	14	18	19	15	8	0
	0.4a	-12	6	21	32	38	40	-62	-10	16	29	35	37	15	22	22	18	10	0
	0.3a	-11	7	22	32	37	39	-56	-7	14	24	29	30	17	26	26	20	11	0
	0.2a	-9	8	21	28	32	33	-44	-3	11	18	21	22	18	31	30	23	12	0
	0.1a	-5	6	14	18	20	21	-26	-1	7	10	12	12	19	35	33	24	12	0
	BOT.	0	01	0	0	0	0	0	0	0	0	0	0	19	37	34	25	13	0
					fficier						fficie					yz Coe		~ ~	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER		0.2c	0.3c	0.4c	0.5c	CORNER		0.2c	0.3c	0.4c	0.5¢
	ليير	<u> </u>	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c		0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	-6	0	. 0	0	0	0	-29	-49	-37	-27	-21	-19	- 8	12	8	5	2	0
	0.9a	-13	-8	•5 ~	-4	-3	-3	-64	-47	-34	-24	-18	-16	11	11	9	6	3	0
	0.8a	-13	-10	-7	-5	-4	-4 -3	-64	-46	-31	-21	-15	-13	11 12	11	9	6 6	3	0
01-404-	0.7a	-13 -13	-10 -9	-7 -6	-5 -3	- <u>4</u> -1	-3 -1	-64 -65	-44 -42	-29 -25	-18 -14	-11 -7	<u>-9</u> -5	13	11	9	6	3	
Short Side	0.6a	-13	-8	-4	-3	2	3	-64	-39	-23 -21	-14	-7	-5 -1	14	12	9	5	3	0
	0.5a	-13 -12	-7	-4	3	5	- 6	-62	-34	-16	• 5	1	3	15	11	7	4	2	- 0
	0.4a	-11	-5	1	6	9	10	-56	-28	-12	-2	3	5	17	10	5	2	1	0
	0.3a	-9	-3	3	8	10	11	-44	-20	-7	0	 4	5	18	8	3	ō	Ö	ő
	0.1a	-5	- 0	4	7	8	9	-26	-10	-3	1	3	4	19	6	ō	2	1	- ŏ
																		-	
	BOT.	ō	ō	0	0		0	0	0	0	0	0	0	19	4	1	2	2	0
$\frac{b}{a} = 2.0, \frac{c}{a} =$	вот.	0	o M	, Co e	officie	o nt	0	Ö	М	, Coe	fficie	nt	0	19	М	_{xy} Coe	efficie	nt	
$\frac{b}{a} = 2.0, \frac{c}{a} =$	вот.		0 M 0.1b	, Cos	0.3b	0 nt 0.4b			M	, Coe	fficie: 0.3b	n t 0.4b	_		M 0.1b	_{xy} Co e	officie	nt 0.4b	0 0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	BOT.	CORNER	0 M 0.1b 0.9b	. Cos 0.2b 0.8b	0.3b 0.7b	0 nt 0.4b 0.6b	0 0.5b	CORNER	0.1b 0.9b	, Coe 0.2b 0.8b	fficie: 0.3b 0.7b	nt 0.4b 0.6b	0 0.5b	19	M 0.1b 0.9b	_{xy} Cos 0.2b 0.8b	0.3b 0.7b	nt 0.4b 0.6b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	ВОТ. 0.5	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b	0 nt 0.4b	0	Ö	M	, Coe	fficie: 0.3b	nt 0.4b	0	19	M 0.1b	_{xy} Co e	officie	nt 0.4b	0.5b 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$	0.5 TOP 0.9a	0 CORNER -7 -14	0.1b 0.9b 0	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b -23	y Coe 0.2b 0.8b	0.3b 0.7b 38	0.4b 0.6b 51	0 0.5b 55	19 CORNER	0.1b 0.9b	xy Co 6 0.2b 0.8b	0.3b 0.7b	nt 0.4b 0.6b 6	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	ВОТ. 0.5	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b 0.5 11	0.4b 0.6b 0	0.5b	оянея -35 -71	0.1b 0.9b -23 -21	0.2b 0.8b 14	0.3b 0.7b 38 36	0.4b 0.6b 51 49	0.5b 55 53	CORNER 6	0.1b 0.9b 13	0.2b 0.8b 14	0.3b 0.7b 12	0.4b 0.6b 6	0.5b 0 0 0
	TOP 0.9a 0.8a	O CORNER -7 -14 -13	0.1b 0.9b 0 -3	0.2b 0.8b 0.2	0.3b 0.7b 0.5 11	0.4b 0.6b 0	0.5b 0 7 15	0 соянея -35 -71 -67	0.1b 0.9b -23 -21	0.2b 0.8b 14 14	0.3b 0.7b 38 36 36	0.4b 0.6b 51 49 47	0.5b 55 53 51	19 CORNER 6 8	0.1b 0.9b 13 11	0.2b 0.8b 14 13	0.3b 0.7b 12 11	0.4b 0.6b 6 6	0.5b 0 0 0 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a	-7 -14 -13	0.1b 0.9b 0 -3 -3 0 2	0.2b 0.8b 0.2 0.8b	0.3b 0.7b 0.7b 11 18 24	0.4b 0.6b 0 7 14 22 29	0.5b 0 7 15 24 31	-35 -71 -67 -64 -62	0.1b 0.9b -23 -21 -19 -17 -14 -11	0.2b 0.8b 14 14 14 15 16	0.3b 0.7b 38 36 36 35 34	0.4b 0.6b 51 49 47 45 43	0.5b 55 53 51 48 46 42	19 CORNER 6 8 8 8 10 12	0.1b 0.9b 13 11 11 12 14	0.2b 0.8b 14 13 13 14 16	0.3b 0.7b 12 11 11 12 13	0.4b 0.6b 6 6 6 6	0.5b 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 CORNER -7 -14 -13 -13 -12 -12	0.1b 0.9b 0 -3 -3 0 2 5	0.2b 0.8b 0.8b 0 2 5 10 15 19	0.3b 0.7b 0.7b 5 11 18 24 29	0.4b 0.6b 0 7 14 22 29 35	0.5b 0 7 15 24 31 37	-35 -71 -67 -64 -62 -59	0.1b 0.9b -23 -21 -19 -17 -14 -11	0.2b 0.8b 14 14 15 16 16	0.3b 0.7b 38 36 36 35 34 32	0.4b 0.6b 51 49 47 45 43 39	0.5b 55 53 51 48 46 42 37	19 CORNER 6 8 8 10 12 14	0.1b 0.9b 13 11 11 12 14 17 21	0.2b 0.8b 14 13 13 14 16 19	0.3b 0.7b 12 11 11 12 13 15	0.4b 0.6b 6 6 6 7 8	0.5b 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-7 -14 -13 -13 -12 -12 -11	0.1b 0.9b 0 -3 -3 0 2 5 7	0.2b 0.8b 0.8b 0 2 5 10 15 19 23	0.3b 0.7b 0.5 11 18 24 29 33	0.4b 0.6b 0 7 14 22 29 35 38	0.5b 0 7 15 24 31 37 40	-35 -71 -67 -64 -62 -59 -55	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8	0.2b 0.8b 14 14 15 16 16 16	0.3b 0.7b 38 36 36 35 34 32 29	0.4b 0.6b 51 49 47 45 43 39 35	0.5b 55 53 51 48 46 42 37	19 CORNER 6 8 8 10 12 14 17	0.1b 0.9b 13 11 11 12 14 17 21 26	0.2b 0.8b 14 13 13 14 16 19 22	0.3b 0.7b 12 11 11 12 13 15 18	0.4b 0.6b 6 6 6 7 8 10	0.5b 0 0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-7 -14 -13 -12 -12 -11 -10 -8	0.1b 0.9b 0 -3 -3 0 2 5 7	0.2b 0.8b 0.5 10 15 19 23 24 21	0.3b 0.7b 0.7b 5 11 18 24 29 33 33 29	0.4b 0.6b 0.7 14 22 29 35 38 38 32	0.5b 0 7 15 24 31 37 40 40	0 CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5	0.2b 0.8b 14 14 15 16 16 15	0.3b 0.7b 38 36 36 35 34 32 29 24 18	0.4b 0.6b 51 49 47 45 43 39 35 29	0.5b 55 53 51 48 46 42 37 30 22	19 CORNER 6 8 8 10 12 14 17 19	0.1b 0.9b 13 11 11 12 14 17 21 26 31	0.2b 0.8b 14 13 13 14 16 19 22 26 30	0.3b 0.7b 12 11 11 12 13 15 18 20	0.4b 0.6b 6 6 6 7 8 10 11 12	0.5b 0 0 0 0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT.	-7 -14 -13 -12 -11 -10 -8 -5 0	0.1b 0.9b 0 -3 -3 0 2 5 7 9 9 7 0	0.2b 0.8b 0.8b 0.2 5 10 15 19 23 24 21 14 0 0.2c 0.8c 0	0.3b 0.7b 0.7b 11 18 24 29 33 39 18 0 0	0.4b 0.6b 0 7 14 22 29 35 38 38 32 20 0	0.5b 0 7 15 24 31 37 40 40 21 0	CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38 -23 0	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5 -2 0 0	0.2b 0.8b 14 14 15 16 16 15 12 7 0 Coe 0.2c 0.8c -65 -61 -58	0.3b 0.7b 38 36 36 35 34 32 29 24 18 10 0 fficien 0.3c 0.7c -63	0.4b 0.6b 51 49 47 45 43 39 35 29 21 12 0 nt 0.4c 0.6c -61 -57	0.5b 55 53 51 48 46 42 37 30 22 12 0	19 CORNER 6 8 8 10 12 14 17 19 21 22 CORNER	0.1b 0.9b 13 11 11 12 14 17 21 26 31 35 37 M	0.2b 0.8b 14 13 14 16 19 22 26 30 32 33 0.2c 0.8c 8	0.3b 0.7b 12 11 11 12 13 15 18 20 22 24 24 24 0.3c 0.7c	0.4b 0.6b 66 66 7 8 10 11 12 12 13 nt 0.4c 0.6c 2 2	0.5b 0 0 0 0 0 0 0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a 0.1a BOT. TOP 0.9a 0.8a 0.7a	O CORNER CORNER -7 -14 -13 -15 -7 -14 -13 -13 -12 -12 -11 -10 -8 -5 -7 -14 -13 -13 -12	0.1b 0.9b 0.3 -3 0 2 5 7 9 9 7 0 0.1c 0.9c 0.12 -13 -12	0.2b 0.8b 0.8b 0 2 5 10 15 19 23 24 21 14 0 0.2c 0.8c 0 -10 -12 -12	0.3b 0.7b 0.7b 11 18 24 29 33 39 18 0 0.7c 0.7c 0.7c -11 -12 -12	0.4b 0.6b 0.7 14 22 29 35 38 38 32 20 0 tt 0.4c 0.6c 0.6c -8 -11 -12 -11	0.5b 0 7 15 24 31 37 40 40 34 21 0 0.5c 0 -7 -11 -12 -11	CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38 -23 0 CORNER -35 -71 -67 -64 -62	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5 -2 0 0 0.1c 0.9c -67 -64 -62 -59 -55	0.2b 0.8b 14 14 15 16 16 15 12 7 0 Coe 0.2c 0.8c -65 -61 -58 -54 -50	0.3b 0.7b 38 36 36 35 34 32 29 24 18 10 0.3c 0.7c -63 -59 -55 -51 -46	0.4b 0.6b 51 49 47 45 43 39 35 29 21 12 0 nt 0.4c 0.6c -61 -57 -53 -49	0.5b 555 53 51 48 46 42 37 30 22 12 0 0.5c -61 -57 -53 -48 -43	19 CORNER 6 8 8 10 12 14 17 19 21 22 CORNER 6 8 8 10	0.1b 0.9b 13 11 11 12 14 17 21 26 31 35 37	0.2b 0.8b 14 13 13 14 16 19 22 26 30 32 33 vz Coc 0.8c 6 6 7	0.3b 0.7b 12 11 11 12 13 15 18 20 22 24 24 24 24 0.3c 0.7c 5 4 4 4 5	0.4b 0.6b 6 6 6 7 8 10 11 12 12 13 nt 0.4c 0.6c 2 2 2 2	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.1a BOT.	CORNER -7 -14 -13 -12 -11 -10 -8 -5 0 CORNER -7 -14 -13 -13 -12 -12 -12	0.1b 0.9b 0.3 -3 0 2 5 7 9 9 7 0 0.1c 0.9c 0.12 -13 -12 -12	0.2b 0.8b 0.8b 0 2 5 10 15 19 23 24 21 14 0 0.2c 0.8c 0.10 -12 -12 -11	0.3b 0.7b 0.7b 11 18 24 29 33 39 18 0 0.7c 0.7c 0.7c -11 -12 -11	0.4b 0.6b 0 7 14 22 29 35 38 38 32 20 0 it 0.4c 0.6c -8 -11 -12 -11	0.5b 0 7 15 24 31 37 40 40 34 21 0 0.5c 0 7 -11 -12 -11 -10	CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38 -23 0 CORNER -36 -71 -67 -64 -62 -59	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5 -2 0 0 0.1c 0.9c -67 -64 -62 -59 -55	0.2b 0.8b 14 14 15 16 16 15 12 7 0 0.2c 0.8c -65 -61 -58 -54 -50 -45	0.3b 0.7b 38 36 36 35 34 32 29 24 18 10 0 fficier 0.3c 0.7c -63 -59 -55 -51 -46 -40	0.4b 0.6b 51 49 47 45 43 39 35 29 21 12 0 nt 0.4c 0.6c -61 -57 -53 -49 -44	0.5b 55 53 51 48 46 42 37 30 22 12 0 0.5c -61 -57 -53 -48 -43 -36	19 CORNER 6 8 8 10 12 14 17 19 21 22 CORNER 6 8 8 10 12 12 14 17 19 19 10 11 11	0.1b 0.9b 13 11 11 12 14 17 21 26 31 35 37 M 0.1c 0.9c 12 7 6 7 9 10	0.2b 0.8b 14 13 13 14 16 19 22 26 30 32 33 0.2c 0.8c 6 5 6 7	0.3b 0.7b 12 11 11 12 13 15 18 20 22 24 24 24 24 0.3c 0.7c 5 4 4 4 5 6	0.4b 0.6b 6 6 6 7 8 10 11 12 12 13 nt 0.4c 0.6c 2 2 2 2 3	0.5b 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.1a 0.1a	CORNER -7 -14 -13 -12 -11 -10 -8 -5 0 CORNER -7 -14 -13 -13 -12 -12 -11	0.1b 0.9b 0.3 -3 0 2 5 7 9 9 7 0 0.1c 0.9c 0.12 -13 -12 -11	0.2b 0.8b 0.8b 0.5 10 15 19 23 24 21 14 0 0.2c 0.8c 0.10 -12 -12 -11 -10	0.3b 0.7b 0.7b 11 18 24 29 33 33 29 18 0 0.7c 0.7c 0.7c -11 -12 -11 -9	0.4b 0.6b 0.6b 7 14 22 29 35 38 38 32 20 0 tt 0.4c 0.6c -8 -11 -12 -11 -10 -9	0.5b 0.5b 7 15 24 31 37 40 40 21 0 0.5c 0,7 -11 -12 -11 -10 -9	CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38 -23 0 CORNER -36 -71 -67 -64 -62 -59 -55	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5 -2 0 0 0 .1c 0.9c -67 -64 -62 -59 -55 -51	0.2b 0.8b 14 14 15 16 16 15 12 7 0 0.2c 0.8c -65 -61 -58 -54 -50 -45 -38	0.3b 0.7b 38 36 36 35 34 32 29 24 18 10 0.3c 0.7c -63 -59 -55 -51 -46 -40 -33	0.4b 0.6b 51 49 47 45 43 39 35 29 21 12 0 nt 0.4c 0.6c -61 -57 -53 -49 -44 -37	0.5b 555 53 51 48 46 42 37 30 22 12 0 0.5c -61 -57 -53 -48 -43 -36 -29	CORNER 6 8 8 8 10 12 14 17 19 21 22 CORNER 6 8 8 10 12 14 17 19 19 10 11 10 11 10 11 10 11 10 11 11 11 11	0.1b 0.9b 13 11 11 12 14 17 21 26 31 35 37 M 0.1c 0.9c 12 7 6 7 9 10 12	0.2b 0.8b 14 13 13 14 16 19 22 26 30 32 33 0.2c 0.8c 0.8c 6 7	0.3b 0.7b 12 11 11 12 13 15 18 20 22 24 24 24 0.3c 0.7c 5 4 4 4 5 6	0.4b 0.6b 6 6 6 7 8 10 11 12 12 13 nt 0.4c 0.6c 2 2 2 2 3 3	0.5b 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a	CORNER -7 -14 -13 -12 -11 -10 -8 -5 0 CORNER -7 -14 -13 -13 -12 -11 -10 -10	0.1b 0.9b 0.3 -3 0 2 5 7 9 9 7 0.1c 0.9c 0.1c 0.9c -12 -13 -12 -11 -10 -9	0.2b 0.8b 0.8b 0.5 10 15 19 23 24 21 14 0 0.2c 0.8c 0.8c 0.10 -12 -12 -11 -10 -8	0.3b 0.7b 0.7b 11 18 24 29 33 33 29 18 0 0.7c 0.7c 0.7c -11 -12 -11 -9	0.4b 0.6b 7 14 22 29 35 38 38 32 20 0 it 0.4c 0.6c 0.6c -11 -12 -11 -10 -9	0.5b 0.5b 7 15 24 31 37 40 40 34 21 0 0.5c 0,7 -11 -10 -9 -6	CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38 -23 0 CORNER -35 -71 -67 -64 -62 -59 -55 -48	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5 -2 0 0 0.1c 0.9c -67 -64 -62 -59 -55 -51 -45 -38	0.2b 0.8b 14 14 15 16 16 15 12 7 0 0.2c 0.8c -65 -61 -58 -54 -50 -45 -38	0.3b 0.7b 38 36 36 35 34 32 29 24 18 10 0.3c 0.7c -63 -59 -51 -46 -40 -33	0.4b 0.6b 51 49 47 45 43 39 35 29 21 12 0 nt 0.4c 0.6c -61 -57 -53 -49 -44 -37 -30 -22	0.5b 555 533 51 48 46 42 37 30 22 12 0 0.5c -61 -57 -53 -48 -43 -36 -29 -21	CORNER 6 8 8 8 10 12 14 17 19 21 22 CORNER 6 8 8 10 12 14 17	0.1b 0.9b 13 11 11 12 14 17 21 26 31 35 37 M 0.1c 0.9c 12 7 6 7 9	0.2b 0.8b 14 13 13 14 16 19 22 26 30 32 33 0.2c 0.8c 0.8c 6 7 8	0.3b 0.7b 12 11 12 13 15 18 20 22 24 24 24 24 0.3c 0.7c 5 4 4 4 5 6 7	0.4b 0.6b 6 6 6 7 8 10 11 12 12 13 nt 0.4c 0.6c 2 2 2 2 3 3 3 3	0.5b 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.2a	CORNER -7 -14 -13 -12 -11 -10 -8 -5 0 CORNER -7 -14 -13 -13 -12 -11 -10 -8	0.1b 0.9b 0.3 -3 0 2 5 7 9 9 7 0.1c 0.9c 0.1c 0.9c -12 -13 -12 -11 -10 -9 -6	0.2b 0.8b 0.8b 0.5 10 15 19 23 24 21 14 0 0.2c 0.8c 0.8c 0.10 -12 -12 -11 -10 -8 -5	0.3b 0.7b 0.7b 11 18 24 29 33 33 29 18 0 0.7c 0.7c 0.7c -11 -12 -11 -9 -7	0.4b 0.6b 7 14 22 29 35 38 38 32 20 0 tt 0.4c 0.6c 0.6c -11 -10 -9 -6 -3	0.5b 0.5b 7 15 24 31 37 40 40 34 21 0 0.5c 0,7 -11 -10 -9 -6 -6 -2	CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38 -23 0 CORNER -36 -71 -67 -64 -62 -59 -55 -48 -38	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5 -2 0 0 0.1c 0.9c -67 -64 -62 -59 -55 -51 -45 -38 -28	0.2b 0.8b 14 14 15 16 16 15 12 7 0 0.2c 0.8c -65 -61 -58 -54 -50 -45 -38 -30 -21	0.3b 0.7b 38 36 36 35 34 32 29 24 18 10 0.3c 0.7c -63 -59 -55 -51 -46 -40 -33 -25 -16	0.4b 0.6b 51 49 47 45 43 39 35 29 21 12 0 nt 0.4c 0.6c -61 -57 -53 -49 -44 -37 -30 -22 -14	0.5b 555 533 51 48 46 42 37 30 22 12 0 0.5c -61 -57 -53 -48 -43 -36 -29 -21 -13	CORNER 6 8 8 8 10 12 14 17 19 21 22 CORNER 6 8 8 10 12 14 17 19 19	0.1b 0.9b 13 11 11 12 14 17 21 26 31 35 37 M 0.1c 0.9c 12 7 6 7 9 10 12 13	0.2b 0.8b 14 13 13 14 16 19 22 26 30 32 33 0.2c 0.8c 8 6 7 8 9 10 10	0.3b 0.7b 12 11 11 12 13 15 18 20 22 24 24 24 24 0.3c 0.7c 5 4 4 4 5 6 7 6	0.4b 0.6b 6 6 6 7 8 10 11 12 12 13 nt 0.4c 0.6c 2 2 2 2 3 3 3 3 3	0.5b 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a	CORNER -7 -14 -13 -12 -11 -10 -8 -5 0 CORNER -7 -14 -13 -13 -12 -11 -10 -10	0.1b 0.9b 0.3 -3 0 2 5 7 9 9 7 0.1c 0.9c 0.1c 0.9c -12 -13 -12 -11 -10 -9	0.2b 0.8b 0.8b 0.5 10 15 19 23 24 21 14 0 0.2c 0.8c 0.8c 0.10 -12 -12 -11 -10 -8	0.3b 0.7b 0.7b 11 18 24 29 33 33 29 18 0 0.7c 0.7c 0.7c -11 -12 -11 -9 -7	0.4b 0.6b 7 14 22 29 35 38 38 32 20 0 it 0.4c 0.6c 0.6c -11 -12 -11 -10 -9	0.5b 0.5b 7 15 24 31 37 40 40 34 21 0 0.5c 0,7 -11 -10 -9 -6	CORNER -35 -71 -67 -64 -62 -59 -55 -48 -38 -23 0 CORNER -35 -71 -67 -64 -62 -59 -55 -48	0.1b 0.9b -23 -21 -19 -17 -14 -11 -8 -5 -2 0 0 0.1c 0.9c -67 -64 -62 -59 -55 -51 -45 -38	0.2b 0.8b 14 14 15 16 16 15 12 7 0 0.2c 0.8c -65 -61 -58 -54 -50 -45 -38	0.3b 0.7b 38 36 36 35 34 32 29 24 18 10 0.3c 0.7c -63 -59 -51 -46 -40 -33	0.4b 0.6b 51 49 47 45 43 39 35 29 21 12 0 nt 0.4c 0.6c -61 -57 -53 -49 -44 -37 -30 -22 -14 -6	0.5b 555 533 51 48 46 42 37 30 22 12 0 0.5c -61 -57 -53 -48 -43 -36 -29 -21	CORNER 6 8 8 8 10 12 14 17 19 21 22 CORNER 6 8 8 10 12 14 17	0.1b 0.9b 13 11 11 12 14 17 21 26 31 35 37 M 0.1c 0.9c 12 7 6 7 9	0.2b 0.8b 14 13 14 16 19 22 26 30 32 33 0.2c 0.8c 86 65 67 7 8 9 10 10	0.3b 0.7b 12 11 12 13 15 18 20 22 24 24 24 24 0.3c 0.7c 5 4 4 4 5 6 7	0.4b 0.6b 6 6 6 7 8 10 11 12 12 13 nt 0.4c 0.6c 2 2 2 2 3 3 3 3 3 3 3	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0

3-22

Moment = Coef. \times $qa^2/1000$

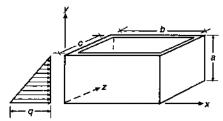


													Ė	q					→ x
$\frac{b}{a} = 1.5, \frac{c}{a} =$	= 1.0		М	x Coe	fficie	nt	•		М	, Coe	fficier	nt			М	ху Сон	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.15	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9Ъ	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6ხ	
	TOP	-2	0	Ö	0	0	. 0	-12	-14	6	22	31	35	2	3	4	3	2	0
	0.9a	-7	-2	1	2	3	4	-37	-14	7	22	31	34	4	. 2	2	2	1	ō
	0.8a	-8	-2	2	6	8	8	-41	-14	7	22	31	34	4	2	2	2	1	0
	0.7a	-9	-1	5	10	13	14	-45	-14	8	23	31	34	4	2	3	3	2	0
Long Side	0.6a	-10	0	8	14	18	19	-48	-14	9	23	31	33	5	4:	4	4	2	0
B	0.5a	-10	1	11	18	23	24	-50	-13	10	23	30	32	6	6	7	6	3	0
	0.4a	-10	2	13	21	26	28	-50	-12	10	21	27	29	7	9	10	8	5	0
	0.3a	-9	3	15	23	27	29	-47	-9	10	19	23	25	8	13	14	11	6	0
	0.2a	-8	4	14	21	25	26	-38	-6	8	15	18	19	9	17	18	14	7	0
	0.1a	-5	4	10	14	16	17	-23	-2	5	8	10	10	9	21	21	16	8	0
	вот.	0	0	0	0	٥	0	0	0	0	0	0	0	10	23	22	16	8	0
	2011			v															
			M	, Coe	fficien	t			М	, Coe	fficie	nt			М	yz Coe	efficie	nt	•
		CORNER	0.1c	0.2c	0.3c	0.4c	0.50	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.Bc	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	-2	_ 0	0	0	0	0	-12	-26	-17	-10	-5.	-3	2	6	4	3	1	0
	0.9a	-7	-4	-3	-2	-1		-37	-26	-16	-8	-3	-1	4	6	5	3	2	0
	0.8a	-8	-6	-4	-2	-1	-1	-41	-26	-15	-6	-1	1	4	6	5	4	2	0
	0.7a	-9	-6	-3	-1	0	0	-45	-27	-13	-4	2	4	4	6	5	4	2	0
Short Side	0.6a	-10	-6	-2	0	2	3	-48	-27	-12	-1	4	. 6	5	6	5	4	2	0
	0.5a	-10	-5	-1	3	5	6	-50	-26	-10	1	7	9	6	6	. 4	3	1	0
	0.4a	-10	-4	1	5	- 8	9	-50	-24	-7	3	9	10	7	5	3	1 1	0	0
	0.3a	-9	-3	3	8	11	12	-47	-20	-4	_5	9	11	8	3	1	1	1	0
	0.2a	-8	-1	5	9	12	13	-38	-15	-2	5	8	9	9	1	2	3	2	0
	0.1a	-5	0	5	8	9	10	-23	7	0	3	5	6	9	1	5	5	3	0
	BOT.	0	0	0	0	0	0	0	0	ol	<u>0</u>	<u>oi</u>	0	10	3	6	6	3	0
$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5		М	, Coe	fficier	nt			М	, Coe	fficler	nt			M	_{xy} Coe	officie	nt	
		CORNER	0.1b	0.2ხ	0.3ხ	0.4b	0.5ხ	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		I I	0.9b	0.85	0.7๖	0.6b			0.9b	0.8b	0.7๖	0.6ხ			0.9ь	d8.0	0.7b	0.6b	
	TOP	-3	0	0	0	0	0	-15	-13	8	24	34	37	1	3	4	4	2	0
	0.9a	-8	-2	1	2	4	4	-39	-12	9	24	33	36	3	2	3	3	2	0
	0.8a	-8	-2	3	6	8	9	-39	-12	10	24	33	36	2	2	3	3	2	
	0.7a	-8	0	6	11	14	15	-40	-11	10	25	33	35	3	3	3	3	2	0
Long Side	0.6a	-8	1	9	16	20	21	-42	-10	11	25	32	35	4	4	5	5	3	0
40.19 Oldo	0.5a	-8	3	13	20	24	26	-42	-9	12	24	31	33	6	7	8	6	4	0
	0.4a	-8	4	15	23	28	29	-41	-7	12	23	28	30	8	10	11	9	5	0
	0.3a	-8	6	17	24	29	30	-38	-5	12	20	24	25	10	15	15	12	6	0
	0.2a	-6	6	16	22	26	27	-31	-3	10	15	18	19	12	19	19	14	7	0

			0.9b	0.85	0.7๖	0.6b			0.9b	0.8b	0.7๖	[0.6๖			0.9Ь	0.8b	0.7b	0.6b j	
	TOP	-3	0	0	0	0	0	-15	-13	8	24	34	37	1	3	4	4	2	0
	0.9a	-8	-2	1	2	4	4	-39	-12	9	24	33	36	3	2	3	3	2	0
	0.8a	-8	-2	3	6	В	9	-39	-12	10	24	33	36	2	2	. 3	3	2	0
	0.7a	-6	0	6	11	14	15	-40	-11	10	25	33	35	3	3	3	3	2	0
Long Side	0.6a	-8	1	9	16	20	21	-42	-10	11	25	32	35	4	4	5	5	3	0
	0.5a	-8	3	13	20	24	26	-42	-9	12	24	31	33	6	7	8	6	4	0
	0.4a	-8	4	15	23	28	29	-41	-7	12	23	28	30	81	10	11	9	5	0
	0.3a	-8	6	_ 17	24	29	30	-38	-5	12	20	24	25	10	15	15	12	6	0
	0.2a	-6	6	16	22	26	27	-31	-3	10	15	18	19	12	19	19	14	7	0.
	0.1a	-4	5	11	<u>15</u>	17	17	-19	-1	6	9	10	10	14	23	22	16	8	0
	вот.	0	0	0	0	0	0	0	0	0	0	0	0	15	25	23	17	9	0

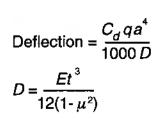
			M,	Coef	fficien	it			M	y Coe	fficier	nt			M	yz Coe	fficie	nt	
		CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3¢	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	Lİ
	TOP	-3	0	0	0	. 0	0	-15	-36	-35	-34	-34	-33	1	6	4	2	1	0
	0.9a	-8	-6	-5	-4	-4	-4	-39	-35	-34	-32	-32	-31	3	3	3	2	1	0
	0.8a	-8	-7	-7	-6	- 6	-6	-39	-36	-33	-31	-30	-29	2	3	2	2	1	0
	0.7a	-8	-8	-7	-7	-7	-7	-40	-36	-32	-29	-28	-27	3	3	3	2	1	O
Short Side	0.6a	-8	-8	-7	-7	-7	-7	-42	-35	-30	-27	-25	-24	4	4	4	3	1	0
	0.5a	-8	-8	-7	-7	-7	-7	-42	-34	-28	-24	-21	-20	6	5	4	3	2	0
	0.4a	-8	-7	-7	-6	-6	-6	-41	-32	-25	-20	-17	-16	8	7	5	4	2	0
	0.3a	-8	-6	 -5	-4	-4	-4	-38	-27	-20	-15	-12	-11	10	8	6	4	2	0
	0.2a	-6	-5	-3	-2	-1	-1	-31	-21	-14	-9	-7	-6		9	6	4	2	0
	0.1a	-4	2		1	1	1	-19	-11	-7	-4	-3	-2	14	9	5	3	1	. 0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	15	8	4	2	1	0

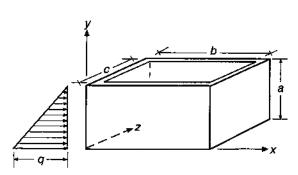
Moment = Coef. $\times qa^2/1000$



					_									_					
$\frac{b}{a} = 1.0, \frac{c}{a} =$	= 0.5		M	l _x Coe	fficie	nt			М	y Coe	fficie	nt			M	_{xy} Cod	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		l .	0.9b	0.8b	0.7b	0.6b	1	l	0.9ь	0.8b	0.7b	0.6b	L		0.9b	0.8b	0.7b	0.6b	
	TOP	-1	0	0	0	0	0	-3	-4	4	10	15	16	1	1	0	0	0	0
	0.9a	-3	-1	0	0	1	1	-14	-4	4	11	15	17	0	2	1	1	0	0
	0.8a	-3	-1	1.	2	3	3	-17	-5	5	12	16		1	2	2	1	1	Ō
	0.7a	-4	-1	2	4	5	6	-20	-6	5	13	18	19	0	2	2	1	1	Ö
Long Side	0.6a	-5	0;	4	7	8	9	-23	-6	6	14	19		0	1	1	1	0	0
-	0.5a	-5	1	5	9	11	12	-25	-6	7	15	20	21	1	0	0	0	0	0
	0.4a	-5	1	7	11	14	15		-6	7	15	19	21	3	3	3	2	1	Ö
	0.3a	-5	ž	8	13	16	17	-26	-5	7	14	17	19		5	6	4	2	0
	0.2a	-5	2	9	13	16	16		-4	6	11	14	15		9	9		4	0
	0.1a	-3	2	. 7	10	11	12	-15	-2	4	7	8	8	7	12	12	9	5	0
	BOT.		ام ا					_				_	0	_ ~	44	40	10	1	
	DU1.	0	0	0	0	0	0	. 0	0	0	0	0	U	8	14	13	10	5	0
	<u> </u>	1 0	U	0		0	<u> </u>	0		<u>DI</u>	0	U	U	8	141	13	10	51	0
	1001.	<u> </u>		, Coei			<u> </u>	0		, Coe			U		М,	yz Co e	26.8		0
	1801.	CORNER	М	- 2			0.5c	CORNER	М				0.5c	CORNER	М,		fficle		0.5c
	BO1.		М	, Coei	fficien	t			М	, Coe	fficle	nt			М,	yz Coe	fficle	nt	
	TOP		0.1c 0.9c	0.2c 0.8c	fficien	t 0.4c		CORNER	M 0.1c	, Coe	fficler	0.4c 0.6c -11	0.5c	CORNER	M,	yz Co e	officie	nt 0.4c	
		CORNER -1 -3	0.1c 0.9c 0	0.2c 0.8c 0 0	0.3c 0.7c 0 -1	0.4c 0.6c 0	0.5c	-3 -14	0.1c 0.9c -12 -13	0.2c	0.3c 0.7c -12 -11	0.4c 0.6c -11 -11	0.5c -11 -10	CORNER	0.1c 0.9c	yz Co e	officie	0.4c 0.6c	0.5c
	ТОР	CORNER	0.1c 0.9c 0 -2 -3	0.2c 0.8c 0 -2 -2	0.3c 0.7c 0 -1	0.4c 0.6c 0 -1	0.5c	CORNER	0.1c 0.9c -12	0.2c 0.8c	0.3c 0.7c -12	0.4c 0.6c -11	0.5c -11 -10 -10	CORNER 1 0 1	0.1c 0.9c 2	yz Co e	officie	0.4c 0.6c	0.5c
	TOP 0.9a 0.8a 0.7a	-1 -3 -3 -4	0.1c 0.9c 0	0.2c 0.8c 0 -2 -2 -3	0.3c 0.7c 0 -1 -2 -3	0.4c 0.6c 0 -1 -2 -2	0.5c	-3 -14 -17 -20	0.1c 0.9c -12 -13 -14 -16	0.2c 0.8c -12 -12 -12 -13	0.3c 0.7c -12 -11 -11 -10	0.4c 0.6c -11 -11 -10	-11 -10 -10	1 0 1 0 0	0.1c 0.9c 2	yz Co e	officie	0.4c 0.6c 0	0.5c 0
Short Side	TOP 0.9a 0.8a	-1 -3 -3 -4 -5	0.1c 0.9c 0 -2 -3 -3	0.2c 0.8c 0 -2 -2 -3 -3	0.3c 0.7c 0 -1 -2 -3 -3	0.4c 0.6c 0 -1 -2 -2 -3	0.5c	-3 -14 -17 -20 -23	0.1c 0.9c -12 -13 -14 -16 -17	0.2c 0.8c -12 -12 -12 -13 -13	0.3c 0.7c -12 -11 -11 -10	0.4c 0.6c -11 -11 -10 -9 -8	0.5c -11 -10 -10 -9	1 0 1 0 0 0	0.1c 0.9c 2 1 0	0.2c 0.8c 1 1 1 1	officie	0.4c 0.6c 0 0	0.5c 0 0
Short Side	TOP 0.9a 0.8a 0.7e 0.6a 0.5a	-1 -3 -3 -4 -5 -5	0.1c 0.9c 0 -2 -3 -3 -4 -4	0.2c 0.8c 0 -2 -2 -3 -3 -4	0.3c 0.7c 0 -1 -2 -3 -3	0.4c 0.6c 0 -1 -2 -2 -3 -3	0.5c	-3 -14 -17 -20 -23 -25	0.1c 0.9c -12 -13 -14 -16 -17	0.2c 0.8c -12 -12 -12 -13 -13	0.3c 0.7c -12 -11 -11 -10 -9	0.4c 0.6c -11 -11 -10 -9 -8 -6	0.5c -11 -10 -10 -9 -7 -6	1 0 1 0 0 0 1 1	0.1c 0.9c 2 1 0 1	0.2c 0.8c 1 1 1 1 1 2	0.3c 0.7c 1 1 1 1 1	0.4c 0.6c 0 0	0.5c 0 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-1 -3 -3 -4 -5 -5	0.1c 0.9c 0 -2 -3 -3 -4 -4	0.2c 0.8c 0 -2 -2 -3 -3 -4	0.3c 0.7c 0 -1 -2 -3 -3 -3	0.4c 0.6c 0 -1 -2 -2 -3 -3	0.5c	-3 -14 -17 -20 -23 -25 -27	0.1c 0.9c -12 -13 -14 -16 -17 -18	0.2c 0.8c -12 -12 -13 -13 -13 -12	0.3c 0.7c -12 -11 -11 -10 -10 -9	0.4c 0.6c -11 -10 -9 -8 -6	0.5c -11 -10 -10 -9 -7 -6 -4	1 0 1 0 0 0 1 3	0.1c 0.9c 2 1 0 1 1 2	0.2c 0.8c 1 1 1 1 1 2 2 2	0.3c 0.7c 1 1 1 1 1 1 2	0.4c 0.6c 0 0	0.5c 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-1 -3 -3 -4 -5 -5 -5	0.1c 0.9c 0 -2: -3: -3: -4: -4: -4:	0.2c 0.8c 0 -2 -2 -3 -3 -4 -3	0.3c 0.7c 0 -1 -2 -3 -3 -3 -3 -2	0.4c 0.6c 0 -1 -2 -2 -3 -3 -3 -2	0.5c	-3 -14 -17 -20 -23 -25 -27 -26	0.1c 0.9c -12 -13 -14 -16 -17 -18 -18	0.2c 0.8c -12 -12 -12 -13 -13 -13 -12 -10	0.3c 0.7c -12 -11 -11 -10 -10 -9 -7 -5	0.4c 0.6c -11 -11 -10 -9 -8 -6 -4	0.5c -11 -10 -10 -9 -7 -8 -4 -1	1 0 1 0 0 0 1 1 3 4	0.1c 0.9c 2 1 0 1 1 2 3	0.2c 0.8c 1 1 1 1 1 2 2 3	0.3c 0.7c 1 1 1 1 1	0.4c 0.6c 0 0	0.5c 0 0 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-1 -3 -3 -4 -4 -5 -5 -5 -5	0.1c 0.9c 0 -2: -3: -4: -4: -4: -4: -4:	0.2c 0.8c 0.8c 0.2c -2 -3 -4 -3 -3 -1	0.3c 0.7c 0.7c 0 -1 -2 -3 -3 -3 -3 -2 0	0.4c 0.6c 0 -1 -2 -2 -3 -3 -2 -1	0.5c	-3 -14 -17 -20 -23 -25 -27 -26 -23	0.1c 0.9c -12 -13 -14 -16 -17 -18 -18 -17 -13	0.2c 0.8c -12 -12 -12 -13 -13 -13 -12 -10	0.3c 0.7c -12 -11 -11 -10 -10 -9 -7 -5 -3	0.4c 0.6c -11 -11 -10 -9 -8 -6 -4 -2	-11 -10 -10 -9 -7 -6 -4 -1	1 0 1 0 0 0 1 3 4 6 6	0.1c 0.9c 2 1 0 1 1, 2 3 3	0.2c 0.8c 1 1 1 1 1 2 2 3 2 2	0.3c 0.7c 1 1 1 1 1 2 2	0.4c 0.6c 0 0 0 0 0 1 1 1 1	0.5c
Short Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-1 -3 -3 -4 -5 -5 -5	0.1c 0.9c 0 -2: -3: -3: -4: -4: -4:	0.2c 0.8c 0 -2 -2 -3 -3 -4 -3	0.3c 0.7c 0 -1 -2 -3 -3 -3 -3 -2	0.4c 0.6c 0 -1 -2 -2 -3 -3 -3 -2	0.5c	-3 -14 -17 -20 -23 -25 -27 -26	0.1c 0.9c -12 -13 -14 -16 -17 -18 -18	0.2c 0.8c -12 -12 -12 -13 -13 -13 -12 -10	0.3c 0.7c -12 -11 -11 -10 -10 -9 -7 -5	0.4c 0.6c -11 -11 -10 -9 -8 -6 -4	0.5c -11 -10 -10 -9 -7 -8 -4 -1	1 0 1 0 0 0 1 1 3 4	0.1c 0.9c 2 1 0 1 1 2 3	0.2c 0.8c 1 1 1 1 1 2 2 3	0.3c 0.7c 1 1 1 1 1 1 2 2	0.4c 0.6c 0 0 0 0 1	0.5c 0 0 0 0 0

CASE 3





Deflection Coefficients, C_d

Long Side - Along Midheight (y = a/2)

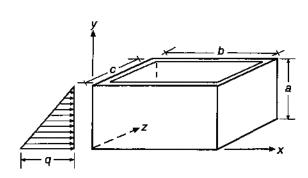
	x	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a	c/a		0.9b	0.8b	0.7b	0.6b	
4.0	3.0	0	2.60	6.30	8.80	10.10	10.50
4.0	2.0	Ð	2.90	6.50	8.90	10.30	10.70
4.0	1.5	0	3.20	6.80	9.10	10.40	10.80
4.0	1.0	0	3.50	7.10	9.30	10.50	10.90
4.0	0.5	0	3.60	7.10	9.40	10.60	10.90
3.0	2.0	0	1.80	4.50	6.60	7.90	8.30
3.0	1.5	0	2.10	4.80	6.90	8.10	8.60
3.0	1.0	0	2.40	5.20	7.20	8.40	8.80
3.0	0.5	0	2.50	5.30	7.30	8.50	8.90
2.0	1.5	a	0.90	2.30	3.60	4.40	4.60
2.0	1.0	0	1.20	2.70	4.00	4.80	5.10
2.0	0.5	o _i	1.30	2.90	4.20	5.00	5.20
1.5	1.0	0	0.60	1.40	2.10	2.60	2.80
1.5	0.5	0	0.80	1.60	2.40	2.90	3.10
1.0	0.5	0	0.30	0.60	0.90	1.10	1.20

Short Side - Along Midheight (y = a/2)

	Z	END	0.1c	0.2c	0.3c	0.4c	0.5c
b/a	c/a		0.9c	0.8c	0.7c	0.6¢	
4.0	3.0	0	1.50	4.10	6.30	7.60	8.10
4.0	2.0	0	0.50	1.60	2.80	3.60	3.90
4.0	1.5	0	0.00	0.40	1.00	1.30	1.50
4.0	1.0	0	-0.30	-0.40	-0.40	-0.30	-0.30
4.0	0.5	0	-0.20	-0.40	-0.50	-0.60	-0.60
3.0	2.0	0	0.50	1.70	2.90	3.70	3.90
3.0	1.5	0	0.00	0.50	1.00	1.40	1.60
3.0	1.0	0	-0.30	-0.30	-0.30	-0.20	-0.20
3.0	0.5	0	-0.20	-0.40	-0.50	-0.60	-0.60
2.0	1.5	0	0.20	0.70	1.30	1.80	1.90
2.0	1.0	0	-0.20	-0.20	-0.10	0.00	0.00
2.0	0.5	0	-0.20	-0.30	-0.40	-0.50	-0.50
1.5	1.0	0	-0.10	0.00	0.20	0.30	0.40
1.5	0.5	0	-0.10	-0.20	-0.30	-0.30	-0.40
1.0	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.20

CASE 3

Deflection = $\frac{C_d q a^4}{1000 D}$ $D = \frac{Et^3}{12(1-\mu^2)}$



Deflection Coefficients, C_d

Long Side - Along Midspan (x = b/2)

b/a	C/B Y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	0.70	2.40	4.80	7.50	10.50	13.60	16.70	19.80	22.80	25.90
4.0	2.0	0	0.70	2.40	4.80	7.60	10.70	13.80	16.90	20.00	23.10	26.20
4.0	1.5	0	0.70	2.40	4.80	7.70	10.80	13 <u>.90</u>	17.10	20.30	23.40	26.60
4.0	1.0	0	0.70	2.40	4.90	7.80	10.90	14.10	17.30	20.60	23.80	27.00
4.0	0.5	0	0.70	2.40	4.90	7.80	10.90	14.10	17.40	20.60	23.80	27.00
3.0	2.0	0	0.60	2.00	3.90	6.10	8.30	10.60	12.80	14.90	17.00	19.00
3.0	1.5	0	0.60	2.00	4.00	6.20	8.60	10.90	13.20	15.40	17.50	19.70
3.0	1.0	0	0.60	2.10	4.10	6.40	8.80	11.20	13.60	15.90	18.20	20.40
3.0	0.5	o.	0.60	2.10	4.10	6.40	8.90	11.30	13.70	16.00	18.30	20.60
2.0	1.5	0	0.40	1.30	2.40	3.50	4.60	5.60	6.50	7.20	8.00	8.70
2.0	1.0	o	0.40	1.40	2.60	3.80	5.10	6.20	7.20	8.10	9.00	9.90
2.0	0.5	o	0.40	1.40	2.60	4.00	5.20	6.40	7.50	8.40	9.40	10.30
1.5	1.0	0	0.30	0.90	1.60	2.20	2.80	3.20	3.60	3.80	4.00	4.30
1.5	0.5	0	0.30	0. <u>90</u>	1.70	2.40	3.10	3.60	4.00	4.30	4.60	4.90
1.0	0.5	o	0.20	0.50	0.80	1.00	1.20	1.20	1.20	1.20	1.20	1.20

Short Side - Along Midspan (z = c/2)

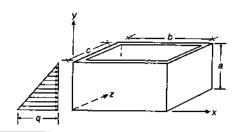
b/a	C/S	0	0.1 <u>a</u>	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	0.60	1.90	3.80	5.90	8.10	10.20	12.30	14.30	16.30	18.20
4.0	2.0	0	0.30	1.10	2.10	3.00	3.90	4.60	5.20	5.70	6.10	6.60
4.0	1,5	0	0.20	0.60	1.00	1.30	1.50	1.50	1.40	1.30	1.10	0.90
4.0	1.0	0	0.10	0.10	0.10	-0.10	-0.30	-0.60	-1.00	-1.30	-1.70	-2.10
4.0	0.5	0	0.00	-0.10	-0.30	-0.40	-0.60	-0.80	-1.00	-1.20	-1.30	-1.50
3.0	2.0	0	0.30	1.10	2.10	3.10	3.90	4.70	5.30	5.80	6.30	6.80
3.0	1.5	0	0.20	0.60	1.00	1.40	1.60	1.60	1.60	1.40	1.30	1.20
3.0	1.0	0	0.10	0.10	0.10	0.00	0.20	-0.50	-0.90	-1.20	-1.50	-1.90
3.0	0.5	0	0.00	-0.10	-0.20	-0.40	-0.60	-0.80	-1.00	-1.10	-1.30	-1.40
2.0	1.5	0	0.20	0.70	1.20	1.60	1.90	2.10	2.10	2.10	2.10	2.10
2.0	1.0	0	0.10	0.20	0.20	0.20	0.00	-0.20	-0.40	-0.70	-0.90	-1.20
2.0	0.5	0	0.00	-0.10	-0.20	-0.30	-0.50	-0.60	-0.80	-0.90	-1.00	-1.10
1.5	1.0	0	0.10	0.30	0.40	0.40	0.40	0.20	0.10	-0.10	-0.30	-0.40
1.5	0.5	0	0.00	-0.10	-0.10	-0.20	-0.40	-0.50	-0.50	-0.60	-0.70	-0.70
1.0	0.5	0	0.00	0.00	0.00	-0.10	-0.20	-0.20	-0.20	-0.30	-0.30	-0.30

CASE 3

Free Top Fixed Base

M_z Coefficient

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 4.0, \frac{c}{a} =$	3.0		M	, Coe	fficie	nt			M	, Coe	fficier	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7ь	0.6b			0.9b	0.8b	0.7b	0.6b	1 1
	TOP	-15	0	0	Ö	0	0	-76	-13	13	17	16	_ 14	2	19	19	13	6	0
	0.9a	-19	-2	2	3	3	3	-95	11	13	16	14	13	2	18	19	13	6	0
	0.8a	-17	-1	5	6	5	5	83	-9,	12	15	13	12	. 2	18	19	13	6	0
	0.7a	-15	. 0	6	. 7	5	5	-73	-7	11	13	11	10	2	19	19	13	6	0
Long Side	0.6a	-13	2	6	5	2	1	-64	-4	10	10	8	7	2	20	19	13	6	Ö
-	0.5a	-11	2	. 3	-1	-5	7	-55	-2	8	7	5	4.	2	20	19	12	6	ō.
	0.4a	-9	1	-3	-12	-18	-20	-44	-1	5	3	0	-1	2	20	18	11	5	0
	0.3a	-6	-3	-16	-29	-37	-40	-32	1	1	-3	-5	-6	2	19	16	9	4	0
	0.2a	-4	-12	-35	-53	-64	-67	-18	-2	-5	-9	-12	-13	1	16	12	7	3	-
	0.1a	-1	-27	-63	-87	-99	-103	-5	-5	-12	-17	-20	-20	1	10	7	4	2	0
	BOT.	0	-51	-102	-131	-145	-149	0	-10	-20	-26	-29	-30	0	0	0	0	0	0

Short Side

	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.50
		0.9c	0.0-	0.75					_	-		0.00						0.50
		U.SC	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	-15	0	. 0	0	0	0	-76	-26	7	20	24	24	2	14	17	14	7.	0
0.9a	-19	3	1	4	5	. 5	-95	-23	7	19	22	22	2	13	16	14	7	0
0.8a	-17	-4,	4	7	8	9	-83	-20	8	17	20	20	2	13	17	14	8	0
0.7a	-15	-2	6	10	11	11	-73	-16	8	16	17	18	2	14	17	14	8	0
0.6a	-13	0	7	10	10	10	-64	-13	8	14	14	14	2	15	18	14	8.	
0.5a	-11	1	7	7	6	5	-55	-9	7.	11	11	10	2	16	19	14	7	
0.4a	-9	2	3	-1	-4!	-5	-44	-5	5	71	6	5	2	16	18	14	7	
0.3a	-6	-1	-6	14	-20	-22	-32	-3	2	2	D	-1:	2	16	17	12	6	<u></u>
0.2a	-4	-6	-20	-35	-44	-47	-18	-2	-2	-5	-7,	-8	1	14	14	9	5	
0.1a	-1	-17	-43	-65	-77	-82	-5	-3	-8	-12	-15	-16	1	10	8	5	3	<u></u>
BOT.	0	-34	-76	-105	-121	-126	0	-7	-15	-21	-24	-25	0	0	0	0	0,	

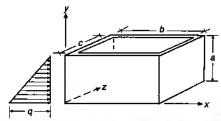
M_y Coefficient

$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		М	_x Coe	fficie	nt			М	, Coe	fficie	nt		·	M	_{xy} Co	efficie	nt	· · ·
		CORNER	0.16	0.2b	0.3Ь	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5Ь
,			0.9b	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7b	0.6Ь			0.9b	0.8b	0.7Ь	0.6b	1 1
	TOP	-12	0	0	0	0	0	-61		14	17	15	14	3	20	19	13	6	0
A	0.9a	-16	_	2	3	3	3	-81	-8	13	16	14	13	6	19	19	13	6	Ö
	0.8a	-15	-1	5	6	5	5	73	-6	13	14	12	11	6	19	19	13,	6	0
4 6 4 4 4 4	0.7a	-13	1	6	6	5	4	-66	-4	_ 12	12	10	9	6	19	19	13	6	ő
Long Side	0.6a	-12	2	6	4	. 2	1	-60	-2	10	10	8	7	5	20	19	13	- 6	0
	0.5a	-10	2	3	-2	-6	7	-52	1	8	7	4	3	5	21	19	12	5	0
	0.4a	-9	0	-4	-13	-19	<u>-21</u>	-43	0	5	2	0	-1	5	21	18	11	- 5	0
	0.3a	6	-5	-17	-30	-38	-40	-32	0	0	-3	-5	6	4	19	15	9	4	0
	0.2a	-4	-14	-37	-55	-65	-68	-18	-2	-5	-9	-12	-13	3	16	12,	7	3	0
	0.1a	-1	-30	-65	-89	-100	-104	-6	6	-13	-17	-20	-21	2	10	7	4	2	0
	BOT.	<u> </u>	-54	-104	-133	-146	-150	0	-11	-21	-27	-29	-30	0	0	0		0	0

0.3a -10 2 3 -2 -5 -7 -52 -1 8 7 4 3 5 21 19 12 0.4a -9 0 -4 -13 -19 -21 -43 0 5 2 0 -1 5 21 18 11 0.3a -6 -5 -17 -30 -38 -40 -32 0 0 -3 -5 -6 4 19 15 9 0.2a -4 -14 -37 -55 -65 -68 -18 -2 -5 -9 -12 -13 3 16 12 7 0.1a -1 -30 -65 -89 -100 -104 -6 -6 -13 -17 -20 -21 2 10 7 4					00	100	404			40	4-1								
0.4a -9 0 -4 -13 -19 -21 -43 0 5 2 0 -1 5 21 18 11 0.3a -6 -5 -17 -30 -38 -40 -32 0 0 -3 -5 -6 4 19 15 9								- 10			-01	-12;	-10	01	101	12,	(31	U
0.4a -9 0 -4 -13 -19 -21 -43 0 5 2 0 -1 5 21 18 11									-2								9	4	0
			0						0			0	-1	_			11	5	Ō
0.6a -12 2 6 4 2 1 -60 -2 10 10 8 7 5 20 19 13).5a	-10	2	3	-2	-6	-7	-52		8	7	4	3	5	21	19			

		COMMEN	0.10	0.20	0.30	0.40	0.50	COHNER	U.10	0.20	0.30	U.4C	0.50	CORNER	0.1C	0.20	0.3c	0.4c	0.5c
_			0.9¢	0.8c	0.7c	0.6c		i	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	1
L	TOP	-12	0	0	0	0	0	-61	-35	-4	15	24	27	3	4	8	7	4	0
	0.9a	-16	-5	0	3	4	5	-81	-32	-3	14	23	26	6	2	6	6	4	o
	0.8a	-15	-5	2	6	9	10	-73	-29	-1	14	22	24	6	3	6	7	4	0
	0.7a	-13	-4	4	10	13	14	-66	-25	0	14	20	22	6	3	7	7	4	<u></u>
	0.6a	-12	-2	7]	12	16	16	-60	-20	2	13	18	20	5	4	9	9	- 5	0
	0.5a	-10	0	9	13	16	16	-52	-15	3	12	16	17	5	6	11	10		0
	0.4a	-9	2	8	11	12	12	-43	-11	4	9	12	12	5	- 8	12	10	6	0
- [0.3a	-6	2	4	4	3,	2	-32	-6	3	6	7	7	4	10	13			0
Ε	0.2a	-4	0	-4	-10	-14	-16	-18	-3	1	1	0	0	3	10	11	9		0
	0.1a	-1	-6	-19	-31	-40	-43	-6	-2	-3	-5	-7	-8	2	7	8	6		- -
	вот.	0	-17	-43	-64	-77	-81	0	-3	-9	-13	-15	-16	0	0.	0.	0	0	
_																			

Moment = Coef. $\times qa^2/1000$

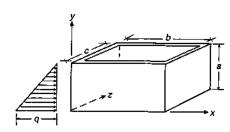


$\frac{b}{a} = 4.0, \frac{c}{a}$	≃ 1.5		N	L Coe	efficie	nt			N	ly Coe	officie	nt			M	l _{xy} Co	efficie	nt	
		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2ь	0.3b		0.5b
			0.9b	0.86		0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b		
	TOP	-10	0		0	0	0		-6	15	17	15	13	7	20	18	13	6	(
	0.9a	-14	1	3	3	3	3	-69	-5	14	15	13	12	10	19	18	13		
	0.8a	-13	0	5	6	5	5	-63	-3		14	12	11	10	19	18	13		- (
522.6	0.7a	-12	- 1	6	6	5	4	-58	-2	12	12	10	9	9	20	19	13	6	(
Long Side	0.6a	-11	2	6	4	1	0	-54	0	11	10	7	6	9	20	19	12	6	
	0.5a	-10	2	3	-2		-8	-48	1	8	6	4	3	8	21	18	12	5	- 0
	0.4a	8-	0	-5	-13	-19	-21	-41	1	5,	2	0	-1	8	21	17	10	5	0
	0.3a	-6	-6	-18	-31	-39	-41	-31	1	. 0	-3	-6	-6	7	20	15.	9	4	0
	0.2a	-4	-16	-39	-56	-66	-69	-18	-2	-6	-10	-12	-13	5	17	12	6	3	
	0.1a	-1	-32	-68	-90	-102	-105	-6	-6	-13	-18	-20	-21	3	10	7	4	1	0
	BOT.	0	-58	-107	-134	-147	-151	0	-12	-21	-27	-29	-30	0	0	0	0	0	0
	TOP	-10	0.9c	0.8c	0.7c	0.6c		-40	0.9c	0.8c	0.7c	0.6c	17	7	0.9c	0.80	0.7c	0.6c	
	TOP	-10	0.00	0.00	D.70	0.00	Ō	-49	-37	-12	4	14	17	7	4	0.60	1	1	0
	0.9a	-14	-6	-2	1	2	2	-69	-34	-11	5	14	17	10	5	1	0	1	0
	0.8a	-13	-6	-1	3	5	6	-63	-31	-9	6	14	17	10	5	1	0	1	0
	0.7a	-12	-5	1	6	9	10	-58	-27	-6	7	15	17	9	4	1	1	1	0
Short Side	D.6a	-11	-3	4	10	13	14	-54	-23	3	8	14	16	9	3	1	2	2	0
111211111111	0.5a	-10	-1	7	12	15	16	-48	-19	-1	9	14	15	8	1	3	4	2	0
	0.4a	-8	1	8	13	15	16	-41	-13	1	8	_ 12	13	8	1	5	5	3	0
	0.3a	-6	2	7	10	11	12	-31	-9	2	6	8	9	7	4	7	6	4	0
	0.2a	-4	2	3	2	1	1	-18	-4	. 1	3	4	4	5	5	8	6	4	0
	0.1a	-1	-1	-7	-13	-17	-19	-6	-2	-1	-2	-2	-3	3	5	6	5	3	
			-1	1		-47	-50	0	-2	-5	-8	-9	-10	0	0	0	ol	0	0
	BOT.	0	-8	-25	-39	-4/	-50	0							-		VI	U I	
$\frac{b}{c} = 4.0, \frac{c}{c}$		0					-30	0,			449 . 1								
$\frac{b}{a} = 4.0, \frac{c}{a} = 4.0$			М	_x Coe	fficier	nt			М	, Coe					M	_{vy} Coe	fficie	nt	
$\frac{b}{a} = 4.0, \frac{c}{a} = 4.0$			M	x Coe		1 t 0.4b	0.5b	CORNER	M		0.3b	0.4b	0.5b		M ₂		efficie	nt 0.4b	0.5b

$\frac{b}{a} = 4.0, \frac{c}{a} =$	1.0		М	x Coe	fficie	nt			М	, Coe	fficie	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3ь	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9ь	0.8b	0.7b	0.6b	
	TOP	-8	0,	0	0	0	0	-39	-1	16	17	14	13	11	21	18		6	O
	0.9a	-11	0	3	3	3	3	-56	-1	15	15	13	12	13	20	18	12	6	0
	0.8a	-10	1	5	5	5	4	-51	0	14	14	11	10	13	20	18	12	6	0
	0.7a	-10	2	7	6	4	4	48	2	13	12	9	8	13	20	18	12	6	0
Long Side	0.6a	-9	3	6	4	1	0	-45	3	11	9	7	6	13	21	18	12	5	0
	0.5a	-8	3	2	-3	-7	-8	-41	3	8	6	3	3	12	22	18	11	5	0
	D.4a	-7	0	-6	-14	-20	-22	-36	3	5	2	-1	-2	12	21	17	10	4	0
	0.3a	-6	-7	-20	-32	-40	-42	-28	1	0	-4	-6	-7	10	20	15	8	4	0
	0.2a	-3	-18	-41	-58	67	-70	-17	-2	-6	-10	-12	-13	8	17	11	6	3	Ö
	0.1a	-1	-36	71	-92	-103	-106	-6	-6	-14	-18	-20	-21	5	10	6	3	1	0
	BOT.	0	-63	-111	-137	-149	-152	0	-13	-22	-27	-30	-30	0	0	0	0	0	0

			М	, Coe	fficier	rt .			M	l, Coe	fficie	nt			M	yz Co	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.50
			0.9c	0.8c	0.7c	0.6c		L. :	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
[TOP	-8	0	0	0	Ö	0	-39	-40	-26	-15	-9	-7	11	10	6	3	2	0
	0.9a	-11	-7	-4	-3	-2	-2	-56	-37	-23	-13	-7	-5	13	10	7	4	2	0
	0.8a	-10	-7	-5	-3	-2	-1	-51	-34	-20	-10	-5	-3	13	10	7	5	2	0.
[0.7a	-10	-6	-3	-1	1	1	-48	-30	-17	-7	-2	0	13	10	7	4	2	o
Γ	0.6a	-9	-5	-1	2	4	4	-45	-26	-13	-4	1	3	13	9	6.	4	2	0
[0.5a	-8	-3	2	5	7	8	-41	-22	-9	-1	4	5	12	8	5	3	1	0
[0.4a	-7	-1	4	8	10	11	-36	-17	-5	2	6	7	12	6	3	1	0	0
[0.3a	-6	1	6	10	12	12	-28	-11	-2	3	6	7	10	4	1	1	1	0
- [0.2a	-3	2	6	8	10	10	-17	-6	0	3	4	5	8	1.	2	2	1	ō
[0.1a	-1	2	3	2	1	1	-6	-2	0	1	1	1	5	1	3	2	1	0
	BOT.	0	ol	-7	-13	-17	-19	0	0	-1	-3	-3	-4	0	0	0	0	0	0

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 4.0, \frac{c}{a} =$	0.5		M	_x Coe	fficie	nt			М	, Coe	fficie	nt			М	_{xy} Cod	efficie	nt	**
		CORNER	0.1b	0.26	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7Ь	0.6b			0.9Ь	0.8b	0.7b	0.6b			0.9ь	0.8b	0.7b	0.6b	1
	TOP	-9	. 0	0	0	0	0	43	0	16	16	14	13	10	21	18,	12	6	0
	0.9a	-11	0	3	3	3	3	-57	0	15	15	13	11	11j	20	18	12	6	0
	0.8a	-10	1	5	. 5	5	4	-49	_ 1	14	14	11	10	11	20	18	12	6	Ō:
	0.7a	-9	3	7	6	4	4	-44	3	13	12	9	8	11	21	18	12	6	0
Long Side	0.6a	-8	4	6	3	1	0	-39	3	11	9	7	6	12	21	18	12	5	0
	0.5a	-7	3	2	-3	-7	-9	-34	. 4	В	6	3	2	12	22	18	11	5	0
	0.4a	-6,	0	-6	-15	-20	-22	-29	3	5	2	-1	-2	13	22	17	10	- 4	0
	0.3a	-4	-6	-20	-33	-40	-42	-22	2	0	-4	-6	-7	12	20	14	8	4	ō
	0.2a	-3	-18	-41	-58	-67	-70	-14	-2	-6	-10	-13	-13	10	17	11	6	3:	0
	0.1a	-1	-37	-71	-93	-103	-106	-5	-7	-14	-18	-20	-21	7	10	6	3	1	0
	BOT.	0	-66	-112	-137	-149	-152	0	-13	-22	-27	-30	-30	0	0	0	0	0	0

M_z Coefficient

My Coefficient

Myz Coefficient

	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	-9	0	0	0	. 0	0	-43	-55	-50	-46	-44	-43	10	11	7	4	2	Ö
0.9a	-11	-10	-8	7	-6	-6	-57	50	-45	-42	-40	-40	11:	8	6	4	2	ō
0.8a	-10	-9	-9	-8	-8	-8	-49	-45	-41	-37	-36	-35	11	8	6	4	2	0
0.7a	-9	-8,	-8	-8	-7	-7	-44	-39	-35	-32	-30	-30	11	9	7	5	2	0
0.6a	-8	-7	-6	-6	-6	-6	-39	-34	-29	-26	-24	-24	12	10	7	5	3	
0.5a	-7	-6	-5	-4	-4	-4	-34	-28	-23	-20	-18	<i>-</i> 17	12	10	8	5	31	ō
0.4a	-6	-4	-3	-2	-1	-1	-29	-22	-17	-14	-12	-11	13	10	7	5	- 2	0
0.3a	-4	-2	O	1	2	2	-22	-15	-11	-8	-6	-5	12	91	6	4	2	0
0.2a	-3	O	2	4	5	- 5	-14	-8	-5	-3	-1	-1	10	7	4	3.	1	ō
0.1a	-1	2	4	6	6	7	-5	-2	-1	Ō.	1	1	7	3	2	1	0	0
BOT.	0	3	4	4	3	3	0		1	1	. 1.	1	o	0	- 0	0	0	- 0

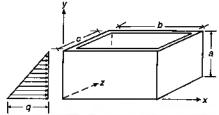
Short Side

$\frac{b}{a} = 3.0, \frac{c}{a} =$	2.0		M	_x Coe	fficie	nt			M	, Coe	fficie	nt			M	_{xy} Coe	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4ь	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-11	0	0	0	0	0	-55	-20	9	20	23	24	_ 1	16	17	13	7.	0
	0.9a	-16	-2	2,	4	4	5	-78	-18	9	19	21	22	5	14	17.	13	7	0
	0.8a	-14	-3	4	7	8	8	-71	-15	9	18	19	19	5	14	17	13	7	0
	0.7a		-1	6	9	10	10	-65	-12	9	16	17	17	4	15	17	14	7	0
Long Side	0.6a	-12	0	7	9	9	9	-59	-9	9	14	14	14	4	16	18	14	7	0
-	0.5a	-10	1	6	6	5	4	-52	-6	8	10	10	10	4	17	18	14	7	0
	0.4a	-9	1	2	-2	-5	-7	-43	4	6	6	5	5	4	18	18	13	6	0
	0.3a	-6	-2	7	-16	-22	-24	-32	-2	2	1 [0	-1	3	18	17	11	6	ō
	0.2a	-4.	-8	-23	-37	-46	-49	-18	-2	-2	-5	-7	-8	2	15	14	9	4	0
	0.1a	-1	-19	-46	-67	-80	-84	-6	-4	-9	-13	-15	-16	1	10	8	5	2	0
	BOT.	l ol	-38	-80	-109	-124	-129	o l	-8	-16	-22	-25	-26	0	0	0.		0	

M, Coefficient	M, Coefficient	M _{yz} Coefficient
		-

	CORNER	0.10	0.20	0.30	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.50
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	1
TOP	-11	0	O.	0	0	0	-55	-34	-3	15	24	27	1	4	8	7	4	0
0.9a	-16	-5	D	3	4	5	-78	-31	-2	15	23	26	5	3	7	7	4	Ö
0.8a	-14	-5	2	6	9	10	-71	-28	-1	15	22	24	- 5	3	7	7	4	0
0.7a	-13	-4	4	10	13	14	-65	-24	1	14	20	22	4	4	8	. 8	5	0
0.6a	-12	-1	7	12	15	16	-59	-20	2	13	18	20	4	5	9	9	5	0
0.5a	-10	0	8	13	15	16	-52	-15	3	12	16	17	4	7	11	10	- 6	0
0.4a	-9	2	8	11	12	12	-43	-10	4	9	12	12	4	8	12	10	6	0
0.3a	-6	1	4	3	2	2	-32	-6	3	6	7	7	3	10	13	10	- 6	o
0.2a	-4		-4	-10	-15	-16	-18	-3	1	1	0	0	2	10	12	9	5	- 0
0.1a	-1		-20	-32	-41	-43	-6	-2	-3	-6	-7	-8	1	8	8	6	3	õ
BOT.	0	-17	-44	-65	-78	-82	0	-3	-9	-13	-16	-16	o	0	0	ol	0	<u> </u>

Moment = Coef. $\times qa^2/1000$

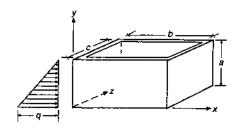


													ŀ	q →					
$\frac{b}{a} = 3.0, \frac{c}{a}$	= 1.5		IV	I _x Cod	efficie	nt			N	l, Coe	efficie	nt			M	_{xy} Co	efficie	nt	
		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
			0.9Ь	0.8b	0.76	0.6b			0.9b	0.8b	0.7b	0.6b	3.07	L = 2	0.9b	0.8Ь	0.7b	0.6b	
	TOP	-9 -13				0	0			11		23	23	6	17	17	13	7	
	0.9a	-12	-2 -2	2	7	8	5 8	_	-13 -11	11	19	_	19	8	15 15	17 17	13	7	
	0.5a	-11	0	6		10	10		-9	10	16	17	16	8	16	17	13	7	- 0
Long Side	0.6a	-11	1	7		9	8		-6	10			13	8	17	18	14	7	
Long bloc	0.5a	-10	1	6	_	4	3	-48	-4	8	10		9	7	18	18	13	7	
	0.4a	-8	0	1	-3	-7	-8	-41	-2	6	6		4	7	19	18	13	6	
	0.3a	-6	-3	-9	-17	-23	-26	-31	-1	2	1	-1	1	6	18	17	11	5	
	0.2a	-4	-9	-25	-39	-48	-51	-18	-2	-3	-6	-8	-8	4	16	13	9	4	
	0.1a	-1	-21	-49	-70	-82	-86	-6		-9	-13	-16	-17	3	11	8	5	2	
	BOT.	0	-41	-84	-112	-126	-131	0	-8	-17	-22	-25	-26	0	0	0	0	0	0
			М	, Coe	fficien	it			M	y Coe	fficie	nt			М	vz Coe	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5¢	CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		أبيا	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7¢	0.6c	
	TOP	-9	0	0	. 0	0	0		-35	-11	5	14	17	6	3	0	1		0
	0.9a	-13 -12	-5	-1 -1	1	2	2	-66	-32	-10	6	14	17	8	4	1	1	1	0
	0.8a 0.7a	-12 -11	-6 -4	-1 2	3 6	5 9	6 10	61 -57	-30 -26	-8 -5	7 8	15 15	17 17	8	4	. 1	1	<u>1</u>	0
Short Side	0.7a	-11	-3	4	10	13	14	-53	-22	- 3	9	15	17	- 8	2	1	2	2	- 0
Short Side	0.5a	-10	-1	7	12	15	16	-48	-18	- <u>-</u> -3	9	14	15	7	1	3	4	<u>-</u>	0
	0.4a	-8	1	8	13	15	16	-41	-13	1	- 8	12	13	7	2	5		3	0
	0.3a	-6	2	7	10	11	11	-31	-8	2	6	8	9	6	4	7	7	4	ō
	0.2a	-4	1	3	2	1	0	-18	-4	1	3	4	4	4	6	8	7	4	0
	0.1a	-1	-2	-7	-14	-18	-20	-6	-2	1	-2	-3	-3	3	5	6	_ 5	3	0
	BOT.	0	-8	-25	-39	-48	-51	0	-2	-5	-8	-10	-10	0	0	0	0	0	0
b c							-												
$\frac{b}{a} = 3.0, \frac{c}{a} =$	= 1.0	_	М	, Coe	fficier	nt			М	, Coe	fficie	nt			M,	y Coe	efficie		
		CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER		0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
	TOP	-7	0.50	0.80	0.70	0.00	0	-34	-9	13	21	22	22	9	18	17	13	7	0
	0.9a	-11	-11	2	4	4	<u>~</u> 4	-53	-8	13	19	20	20	11	17	17	13	7	
	0.8a	-10	Ö	5	7	8.	8	-49	-6	12	18	18	18	11	17	17	13	7	
	0.7a	-9	1	7	9	9	9	-46	-4	12	16	16	16	12	17	18	13	7	- 0
Long Side	0.6a	-9	2	7	9	8	8	-44	-3	11	13	13	13	12	18	18	13	7	0
	0.5a	-8	2	5	5	3	2	-41	-1	9	10	9	9	11	19	19	13	7	0
	0.4a	-7	0	0	-4	-8	-9	-36	0	6	6	4	4	11	20	18	12	6	0
	0.3a	-6	-4	-10	-19	-25	-27	-28	0	2	0	-1	<u>.2</u>	10	19	16	11	5	0
	0.2a	-3	-11	-27	-41	-50	-53	-17	-1	-3	-6	8	-9	8	17	13	8	. 4	. 0
	0.1a BOT.	-1 0	-25 -46	-53 -89	-73 -115	-84 -129	-88 -133	-6 0	-4 -9	-10 -18	-14 -23	-16 -26	-17 -27	4	11	8	5	0	0
	1001.1		-70	-05	-1.10	-120	-100	0	-01	-10	-201	-201	-211	VI	01	O l	01		U
					ficien						fficier					, Coe			
		CORNER	0.1c 0.9c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER		0.2c	0.3c	_	0.5c
	ŤOP	-7	0.90	0.8c	0.7c	0.6¢ 0	- 0	-34	0.9c -38	0.8c	0.7c	0.6c			0.9c	0.8c		0.6c	
	0.9a	-11	-6	-4	-2	-2	-2	-53	-35	-24 -22	-14 -12	-8 -6	-6 -4	11.	9	5 6	3	2	0
	0.8a	-10	-7	-4	-2	-1	-1	-49	-32	-19	-12	-4	-2	11	9	7	4	2	0
	0.7a	-9	-6	-3	-1	1	1	-46	-29	-16	-6	-1	1	12	9	- 	4	2	<u>o</u>
Short Side	0.6a	-9	-5	-1	2	4	5	-44	-25	-12	-3	2	4	12	9	6	4	2	<u>0</u>
	0.5a	-8	-3	2	5	7	8	-41	-21	-8	0	5	6	11	8	_ 5	3	1	0
	0.4a	-7	-1	4	8	10	11	-36	-17	-5	2	6	7	11	6	3	1	0	0
	0.3a	-6	1	6	9	_11	12	-28	-11	-2	3	6	7	10	3	0	1	1	0
	0.2a	-3	2	6	8	9	9	-17	-6	0	3	4	5	8	1	2	2	1	0
	0.1a BOT.	-1 0	-1	-7	-14	-18	-20	-6 0	-2 0	0 -1	-3	-4:		4 0	0	3	3 0	1 0	0

-3 -1 0

<u>-2</u>

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 3.0, \frac{c}{a} =$	0.5		М	, Coe	fficie	nt			M	, Coe	fficie	nt		·. <u>-</u>	M	_{xy} Cod	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5ხ	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		Ì	0.9b	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7b	0.6b			0.9Ь	0.8b	0.7b	0.6b	1 1
	TOP	-7	0	0	0	0	0	-37	-7	14	21	22	22	9	18	18		7	Ō
	0.9a	-11	-1	2	4	4	4	-54	-6	13	19	20	20	10	17	17	13	7	0
	0.8a 0.7a na Side 0.6a		0	5	7	8	88	-47	-5	13	18	18	18	10	17	17	13	7	0
24.00			2	7	9	9	9	-42	-3	12	16	16	16	10	18	18	13	7	ō
Long Side	0.6a	-8	3	. 8	9	8	8	-38	-1	11	13	13	12	11	19	18	13	7	0
	0.5a	-7	3	6	5.	3	2	-34	0	9	10	9	9	12	20	19	13	6	0
	0.4a		1,	0	4	-8	-10	-29	1	6	6	4	4	12	20	18	12	6	0
	0.3a	-4	-3	-11	-19	-26	-28	-22	1	2	0	-1	-2	12	19	16	11	5	0
	0.2a	-3	-12	-28	-42	-51	-54	-14	-1	-3	-6	-8	-9	10	17	13	8	4	0
	0.1a	-1	-26	-54	-74	-85	-89	-5	-5	-10	-14	-17	-17	6	11	8	5,	2	0
	BOT.	ol	-49	-90	-116	-130	-134	0	-10	-18	-23	-26	-27	0	0	0	0	0	0
			M,	Coef	ficien	t			M,	Coe	fficier	nt			M,	, Coe	fficie	nt	

Short Side

	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6¢			0.9c	0.8¢	0.7¢	0.6c			D.9c	0.8c	0.7c	0.6c	
TOP	-7	0	0	0	0	0	-37	-51	-47	-44	-42	-41	9	10	7	4	2	0
0.9a	-11	-9	-8,	-7	-6	-6	-54	-47	-43	-40	-38	-37	10	8	6	4	2	
0.8a	-9	-9	-8	8	-8	-8	-47	-42	-39	-36	-34	-33	10	8	6	4	2	0
0.7a	-8	-8	-8	-7	-7	-7	-42	-38	-34	-31	-29	-28	10	8	6	4	2	0
0.6a	-8	-7	-6	-6	-6	-6	-38	-33	-28	-25	-23	-23	11	9	7	5	2	
0.5a	-7	-6	-5	-4	-4	-3	-34	-27	-23	-19	-17	-16	12	9	7	5	2	0
0.4a	-6	-4	-3	-2	-11	-1	-29	-22	-16	-13	-11	-10	12	9	7	5	2	0
0.3a	-4	-2	. 0	1,	2	2	-22	-15	-10	-7	-5	-5	12	8	6	4	2	
0.2a	3	0	2	4	5	5	-14	-8	-5	-2	-1	-1	10	6	4	3	1	0
0.1a	-1	2	4	5	6	. 6	-5	-2	-1	0	1	1	6	3	2	1	0	0
BOT.	0	3	4	3	3	3	0	1	1	1	1	1	0	0	o	0	0	0

$\frac{b}{a}$ = 2.0, $\frac{c}{a}$ =	1.5		М	, Coe	fficie	nt			М	, Coe	fficie	nt			M,	_{ry} Coe	officie	nt	
		CORNER	0.15	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5Ь	CORNER	0.1b	0.2b	0.3ь	0.4b	0.5b
			0.9b	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7b	0.6b			0.9Ь	0.8b	0.7b	0.6ь	1 1
	TOP	-6	_ 0	0	Ö	0	0	-30	-21	4	18	26.	28	1	8	9	8	4	0
	0.9a	-11	-3	1	3	4	5	-54	-19	4	18	24	26	4	7	8	7	4	0
	0.8a	-11	-3	3	7	9	10	-53	-17	5	17	23	25	4.	7	8	7	4	0
	0.7a	-10	-2	5	10	13	13	-51	-15	5	16	21	23	4	7	9,	8	5	0
Long Side	0.6a	-10	٥	7	12	15	16	-49	-13	6	15	19	20	_ 4	9	11	9	5	0
	0.5a	-9	1	8	12	14	15	-46	-10	6	13	16	16	4	10	12	10	6	0
	0.4a	-8	1	6	9	9	9	-40	-7	6	10	11	12	4	12	14	11	6	0
	0.3a	-6	0	2	0	-1	-2	-31	-4	4	6	6	- 6	3	13	14	11	5	0
	0.2a	-4	-3	-8	-15	-20	-21	-19	-3	0	0	-1	-1	3	13	12	9	5	0
	0.1a	-1	-10	-25	-38	-47	-50	-6	-2	-4	-7	-8	-9	2	9	8	6	3	0
	BOT.	Oİ	-22	-52	-73	-86	-90	٥	-4	-10	-15	-17	-18	0	0	0	0	0	0

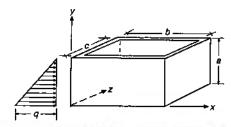
M_z Coefficient

		N	, Coe	fficier	rt			M	y Coe	fficie	nt			M	yz Co	officie	nt	
	CORNE	0.10	0.2c	0.30	0.4c	0.5c	CORNER	0.1¢	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.60			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	1
TO	P -6	0	0	O	0	0	-30	-28	-7	8	16	19	1	1	1	2	1	0
0.9	a	-4	-1	1	2	3	-54	-26	-6	8	16	19	4	2	0	1	1	0
0.8	a -11	-5	Ó	4	9	6	-53	-24	-4	9:	16	19	4	2	0	1	1	0
0.7	a -10	-4	2	7	9	10	-51	-22	-2	10	16	18	4	1	1	2	1	0
0,6	a -10	-2	5	10	13	14	-49	-19	-1	10	16	18	4	D	2	3	2	Ó
0.5	a -9	-1	7	12	15	16	-46	-16	1	10	15	16	4	1	4	5	3	0
0.4	a -8	1	7	12	14	15	-40	-12	2	9	12	13	4	4	7	- 6	4	0
0.3	a -6	1	6	8	9	10	-31	-8	2	7	8	9	3	6	8	7	4	- 0
0.2	a -4	1	1	0	-2	-2	-19	-4	1	3	3	3	3	7	9	7	4	0
0.1	a -1	-3	-9	-16	-21	-23	-6	-2	-1	-2	-3	-3	2	6	7	5	3	0
BO	. 0	-10	-29	-43	-53	56	0	-2	-6	-9	-11	-11	0	0	0	O	_ 0	0

M_z Coefficient

M_z Coefficient

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 2.0, \frac{c}{a}$	≃ 1.0		M	x Coe	fficie	nt			M	, Coe	fficie	nt			M	_{xy} Co	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		1	0.9b	0.8b	0.7b	0.6b		1.00	0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-4	0	0	_ D	0	0	-22	-13	8	20	27	29	5	10	10	8	4	0
	0.9a	-8	-2	1	3	5	5	-42	-12	8	19	25	27	7	9	10	8	4	0
	0.8a	-8	1	4	7	9,	10	-41	-11	8	19	24	25	7	9	10	8	5	0
	0.7a	-8	0	6	10	13	13	-41	-10	8	18	22	23	8	10	11	9	5	0
Long Side	0.6a	-8	1	8	12	14	15	-41	-8	8	16	19	20	8	11,	12	10	5	0
- 4.00	0.5a	-8	1.	8	12	13	14	-39	-6	8	14	16	16	8	12	13	11	6	0
	0.4a	-7	1	6	8	8	8	-35	-4	7	10	11	11	8	14	14	11	6	0
	0.3a	-6	-1	0	-2	-4	-5	-28	-3	4	6	5	5	7	15	15	11	5	0
	0.2a	-4	-5	-11	-18	-23	-24	-18	-2	0	0	-1	-2	6	14	13	9	5	0
	0.1a	-1	-13	-29	-43	-51	-54	-6	-3	-5	-8	-9	-10	3	10	8	6	3	0
	BOT.	0	-27	-57	-79	-91	-95	0	-5	-11	-16	-18	-19	0	0	0	0	0	0

Short Side

		CORNER	0.1c	0.2c	0.3c	0.4¢	0.5¢	CORNER	0.1c	0.2c	0.3c	0.4c	0.5¢	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
_			0.9c	0.8c	0.7c	0.6c			D.9¢	0.8c	0.7c	0.6c		L i	0.9¢	0.8c	0.7c	0.6¢	1
	TOP	-4	0	0	0	0	0	-22	-29	-18	-9	-4	-2	5	7	4	2	1	0
).9a	-8	-5	-3	-2	-1	-1	-42	-27	-16	-7	-2	0	7	7	- 5	3	2	0
- [3).8a	-8	-6	-3	-2	-1	0	-41	-26	-14	-5	0	2	7.	7	5	4	2	ō
).7a	-8	-5	-2	0	1	2	-41	-24	-11	-3	2	4	8	7	5.	3	2	0
_ [7).6a	-8	-4	0	9	4	5	-41	-22	-9	0	5	6	8	7	5	3	1	0
).5a	-8	-3;	2	5	7	8	-39	-19	-6	2	7	8	8	6	3	2	1	ŏ
).4a	-7	-1	4	8	10	_ 11	-35	-15	-3	4	7	9	8	4	1	0	0	0
).3a	6	0	5	9	_ 11	11	-28	-11	-1	4	7	8	7	2	1	2	1	0
).2a	-4	1	5	7	8	8	-18	-6	0	3	5	5	6	1	3	3	2	0
).1a	-1	1	1	-1	-2	-2	-6	-2	0	ï	1	1	3	2	4	3	2	0
E	OT.	Ö	-2	-10	-17	-22	-23	0	0	-2	3	-4	-5	0	o	0.	0	ő	

My Coefficient

$\frac{b}{a} = 2.0, \frac{c}{a} =$	0.5		M	l _x Coe	efficie	nt			M	y Coe	fficie	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7b	0.6b	1 1
	TOP	-5	0	0	0	0	0,	-24	-11	. 9	21	27	29	5	10	11	9	5	0
	0.9a	-8	-1	2	4	5	5	-41	-10	9	20	26	27	6	9	10	8	5	0
	0.8a	-8	-1	4	7	9	10	-38	-9	9	19	24	25	7	10	10	9	5	0
	0.7a	-7	1	7	11	13	14	-36	-7	10	18	22	23	7	10	11	9	5	0
Long Side	0.6a	-7	2	9	13	15	15	-34	-5	10	16	19	20	8	12	12	10	5	0
-	0.5a	-6	3	9	12	13	14	-31	-3	9	14	16	16	9	13	14	11	- 6	0
	0.4a	-5	2	6	7	7	7	-27	-2	7	10	11	11	10	15	15	11	- 6	0
	0.3a	-4	0	0	-2	-4	-5	-22	-1	5	5	5	5	10	16	15	11	5	0
	0.2a	-3	-5	-12	-19	-24	-26	-14	-1	0	-1	-2	-2	9	15	13	9	4	0
	0.1a	-1	-14	-31	-44	-53	-56	-5	-3	-5	-8	-10	-10	6	10	8	6	3	ō
	BOT.	0	-31	-61	-81	-93	-97	0	-6	-12	16	-19	-19	0	0	0	0	D	0

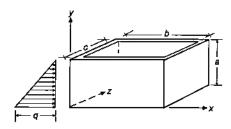
Short Side

	CORNER	0.1¢	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5¢	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7¢	0.6c			0.9¢	0.8¢	0.7c	0.6c	1 1
TOP	-5	0	0	0	0,	0	-24	-39	-36	-34	-32	-32	5	В	5	3	2	0
0.9a	-8	-7	-6	-5	-5	-4	-41	-36	-33	-31	-29	-29	6	5	4	3	2	0
0.8a	-8	-7	-7	-6	-6	-6	-38	-34	-30	-28	-26	-26	7.	5	4	3	2	0
0.7a	-7	-7	-6	6	-6	-6	-36	-31	-27	-24	-23	-22	7	6	5	3	2	0
0.6a	-7	-6	Ģ	-5	-5	-5	-34	-28	-23	-20	-18	-18	8	7	5	4	2	0
0.5a	-6	-5	-4	-4	-3	-3	-31	-24	-19	-16	-13	-13	9	7	6	4	2	0
0.4a	-5	-4	-3	-2	-1	<u>-1</u>	-27	-20	-14	-11	-8	-8	10	8	6	4	2	0
0.3a	-4	-2	-1	1	1	2	-22	-14	-9	-6	-4	-3	10	7	5	3	2	0
0.2a	3	0	2	3	4	5	-14	8	-4	-2	0	0	9	5	3	2	1	0
0.1a	1	2	4	5	5	6	-5	-2	-1	1	1	1	6	3	1	0	Ö	0
BOT.	0	3	3	2	1	1	0	1	1	0	0	0	0	0	0	0	0	0

My Coefficient

M_{yz} Coefficient

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 1.5, \frac{c}{a} =$	1.0		M	, Coe	fficie	nt			M	, Coe	fficie	nt			М,	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3Ь	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6ხ			0.9ь	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-2	0	0	0	0	0	-12	-12	4	15	22	24	2	4	4	4	2	Ō
	0.9a	-6	-2	1	_ 2	3	3,	-31	-11	4	15	21	23	3	3	3	3	2	0
	0.8a	-7	-2	2	5	7	7	-33	-11	5	15	20	22	4.	3	3	3	2	0
	0.7a	-7	-1	4	8	10	11	-35	-11	5	15	20	21	4	3	4	4	2	0
Long Side	0.6a	-7	0	6	11	13	14	-36	-10	6	14	19	20	4	5	5	5	3	0
- 1217	0.5a	-7	0	7	12	14	15	-36	-9	6	13	16	17	5	7	7	6	3	0
	0.4a	-7	1	7	10	12	13	-33	-7	6	11	13	14	5	8	9	8	4	0
	0.3a	-5	0	4	5.	6	6	-27	-5	4	7	8.	9	4	10	11;	8	4	0
	0.2a	-4	-2	-3	-5	-7	-8	-18	-3	2	3	2	2	4	11	11	8	4	O
	0.1a	-1	-7	-16	-24	-30	-32	-6	2	-2	-4	-5	-5	2	8	8	5	3	0
	BOT.	ol	-16	-38	-54	-64	-67	0	-3	-8	-11	-13	-13	0	0	0	0	0	Ö

| CORNER | 0.1c | 0.2c | 0.3c | 0.9c | 0.9c | 0.7c | 0.7c | 0.7c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c | 0.9c

My Coefficient

Myz Coefficient

	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	-2	0	0	0	0	0	-12	-20	-11	-3	1	3	2	4	3	2	1	0
0.9a	-6	-3	-2	1	-1	0	-31	-19	-10	-2	2	4	3	4	4	2	1	0
0.8a	-7	-4	-2	0	0.	1	-33	-19	-8	-1	4	6	4	4	4	3	ī	0
0.7a	-7	-4	-1	1	2	3	-35	-19	٠7	1	6	8	4	4	4	2	1	0.
0.6a	7	-3	0	3	5	6	-36	-18	-5	3	8	9	4	4	3	2	1	0
0.5a	-7	-2	2	В	8	8	-36	-16	-3	5	9	10	5	3	2	1	0	0
0.4a	-7	-1	4	7	10	10	-33	-13	-1	5	9	10	5	2	O	11	ī	0
0.3a	-5	0	5	8	10	10	-27	-10	0	5	8	8	4	0	3	3	2.	0
0.2a	-4	1	4	5	6	. 6	-18	-5	1	4	5	5	4,	2	4	4,	2,	0
0.1a	-1	0	-1	-3	-5	-5	-6	-2	0	0	0	0	2	3	4	4	2	0
BOT.	0	-4	-13	-21	-26	-28	0	-1	-3	-4.	-5	-6	0	0.	0	O	0	0

 $\frac{b}{a} = 1.5, \frac{c}{a} = 0.5$

Short Side

M_x Coefficient

My Coefficient

M_{xy} Coefficient

	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7ხ	0.6b	L		0.9ხ	0.8b	0.7b	0.6b	
TOP	-3:	0	0	0	0	0	-13	-9	6	17	23	25	2	4	5	4	2	0
0.9a	-6	-1	1	3	3	4	-28	-8	7	17	22	24	3	4	4	4	2	0
0.8a	-6	-1	3	6	7	8	-28	-8	7	17	22	23	3	4	4	4	2	0
0.7a	-6	0	5	9	11	12	-28	-7	8	16	21	22	4	5	- 5	4	2	0
0.6a	-6	1	7	12	14	15	-28	-6	8	16	19	20	5	6	6	5	3	0
0.5a	-5	2	8	13	15	16	-27	-4	8	14	17	18	6	8	8	7	4	0
0.4a	-5	2	8	11	12	13	-25	-3	7	11	13	14	7	10	10	В	4	0
0.3a	-4	1	4	5	5	5	-21	-2	5	8	8	. 8	8	12	11	9	4	0
0.2a	-3	-2	-4	-7	-9	-10	-14	-1	2	2	2	2	7	12	11	В	4	0
0.1a	-1	-8	-18	-27	-32	-34	-5	-2	-3	-4	-5	-6	5	9.	8	5	3	0
вот.	0	-21	-43	-59	-68	-71	٥	-4	-9	-12	-14	-14	0	0	0	0	0	0.

Long Side

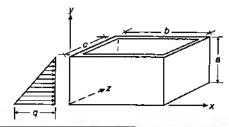
M, Coefficient

M_y Coefficient

Myz Coefficient

		CORNER	0.1c	0.2c	_0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.40	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	i		0.9c	0.8c	0.7c	0.6c	
- 1	TOP	-3	Ó	0	0	0	0	-13	-26	-24	-23	-22	-22	2	5	3	2	1	0
- 1	0.9a	-6	-5	-4	-3	ત્ર	-3	-28	-25	-23	-21	-20	-20	3	3	3	2	1	0
Į	0.8a	-6	-5	-5	4	-4	4	-28	-25	-22	-19	-18	-18	3	3	3	2	1	0
- 1	0.7a	-6	-5	. •5	-5	-4	-4	-28	-24	-20	-17	-16	-15	4	4	3	2	1	0
	0.6a	-6	•5	-4	-4	-4	-4	-28	-22	-18	-15	-13	-12	5	4	4	3	1	0
- [0.5a	-5	-5	-4	-3	-3	-3	-27	-20	-15	-11	-9	-8	6	5	4	3	1	0
. [0.4a	-5	-4	-3	-2	-1	-1	-25	-17	-12	-8	-5	-5	7	6	4	3	1	0
- 1	0.3a	-4	-2	-1	1	11	2	-21	-13	-8	-4	-2	-1	8	5	4	2	1	0
	0.2a	-3	-1	1	3	4	4	-14	-8	-4	-1	1	1	7	4	2	1	1	0
F	0.1a	-1	1	3	4	4	5	-5	-2	-1	1	1,	1	5	2	1	0	0	0
ı	BOT.	0	2	1	0	-1	-1	0	0	Ŋ.	0	0	0	n	0	n	0	a	0

Moment = Coef. $\times qa^2/1000$



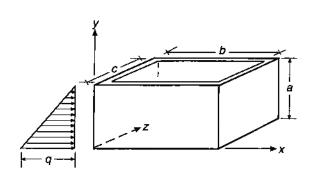
$\frac{b}{a} = 1.0, \frac{c}{a}$	= 0.5		M	, Coe	efficie	nt			M	, Coe	efficie	nt			М	xy Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		1272	0.9b	0.8b	0.7b	0.6b	16.53		0.9b	0.8ь	0.7b	0.6b		200	0.9b	0.8b	0.7b	0.6b	
	TOP	-1	0	0	0;	0	0	-3	-4	3	9	13	14	0	0	0	0	0	0
	0.9a	-3	-1	0	1	_ 1	1	-13	-4	4	9	13	14	0	1	0	0	0	0
	0.8a	-3	-1	1	2	3	3	-15	-4	4	10	14	15	0	1	1	0	0	0
	0.7a	-3	0	2	4	6	6	-17	-5	4	11	14	16	1	0	0	0	0	0
Long Side	0.6a	-4	0	. 4	7	8	9	-19	-5	5	11	15	16	1	1	1	1	0	0
• // // // /	0.5a	-4	1	5	8	10	11	-21	-5	5	11	14	15	2	2	2	2	1	0
	0.4a	-4	1	5	9	11	11	-21	-4	- 5	10	13	14	3	4	4	3	2	0
	0.3a	-4	1	5	7	9	9	-19	-4.	4	8	10	10	_	6.	6	5	3	0
	0.2a	-3	0	1	2	2	2	-14	-2	3	4	5	5	4	7	7	6	3	ō
		- 4	-3	-7	-10	-13	-14	-6	-1	0	-1	-1	-1	3	6	6	4	2	0
	0.ta	-1	-3																
	BOT.	-1 0	-10	-23	-33	-39	-41	0	-2	-5	-7	-8	-8	. 0	0	0	0	0	0
	-		-10	-23		-39	-41 0.5c	COANER	М	775	-7		-8 0.5c	CORNER			fficie	nt	
	-	0	-10 M	-23 z Coe	-33 fficien	-39 It			М	, Coe	fficier	nt 0.4č			M .	,z Co e	fficie	nt 0.4c	0 0.5c
	-	0	-10 M 0.1c	-23 z Coe 0.20	-33 fficien	-39 it 0.4c			M 0.1c	, Coe	fficier	nt			M,	, Coe	fficie	nt	
	вот.	CORNER	-10 M 0.1c 0.9c	-23 z Coe 0.2c 0.8c	-33 fficien 0.3c 0.7c	-39 t 0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c	0.3c	0.4č 0.6c	0.5c	CORNER	0.1c 0.9c	,z Co e	fficle	0.4c 0.6c	
	BOT.	CORNER -1	-10 M 0.1c 0.9c	-23 z Coe 0.2c 0.8c 0 -2 -2	-33 fficien 0.3c 0.7c	-39 0.4c 0.6c 0	0.5c	-3	0.1c 0.9c -11	0.2c 0.8c	0.3c 0.7c -10	0.4c 0.6c -9	0.5c -9	CORNER	0.1c 0.9c 2	,z Co e	fficle	0.4c 0.6c	0.5c
	TOP	0 CORNER -1 -3	-10 M 0.1c 0.9c 0 -2 -3 -3	-23 z Coe 0.2c 0.8c 0 -2 -2 -2	-33 fficien 0.3c 0.7c 0 -1 -2 -2,	-39 0.4c 0.6c 0	0.5c 0 -1 -2	-3 -13 -15	0.1c 0.9c -11 -11	0.2c 0.8c -10 -10	0.3c 0.7c -10 -9	0.4c 0.6c -9 -8	0.5c	CORNER	0.1c 0.9c 2	,z Co e	fficle	0.4c 0.6c	0.5c 0 0
Short Side	TOP 0.9a 0.8a	0 CORNER -1 -3 -3	-10 M 0.1c 0.9c 0 -2; -3	-23 z Coe 0.2c 0.8c 0 -2 -2 -2 -2 -3	-33 fficien 0.3c 0.7c 0 -1 -2	-39 nt 0.4c 0.6c	0.5c 0	-3 -13 -15 -17	0.1c 0.9c -11 -11 -12	0.2c 0.8c -10 -10	0.3c 0.7c -10 -9 -8	0.4c 0.6c -9 -8 -7 -6	0.5c -9 -8 -7	CORNER O O O	0.1c 0.9c 2 1	0.2c 0.8c 1 1 1	0.3c 0.7c 1 1	0.4c 0.6c	0.5c 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a	0 CORNER -1 -3 -3 -3	-10 M 0.1c 0.9c 0 -2 -3 -3	-23 z Coe 0.2c 0.8c 0 -2 -2 -2	-33 fficien 0.3c 0.7c 0 -1 -2 -2,	-39 0.4c 0.6c 0 -1 -2 -2	0.5c 0 -1 -2 -2	-3 -13 -15	0.1c 0.9c -11 -11 -12 -13	0.2c 0.8c -10 -10 -10 -10	0.3c 0.7c -10 -9 -8 -7	0.4c 0.6c -9 -8 -7 -6	0.5c -9 -8 -7 -6	0 0 0	0.1c 0.9c 2 1 1	0.2c 0.8c 1 1 1 1 2	0.3c 0.7c 1 1 1 1	0.4c 0.6c	0.5c 0 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a	0 CORNER -1 -3 -3 -3 -4	-10 M 0.1c 0.9c 0 -2 -3 -3 -3 -3	-23 z Coe 0.2c 0.8c 0 -2 -2 -2 -2 -3	-33 fficien 0.3c 0.7c 0 -1 -2 -2;	-39 0.4c 0.6c 0 -1 -2 -2	0.5c 0 -1 -2 -2	-3 -13 -15 -17 -19 -21	0.1c 0.9c -11 -11 -12 -13 -14	0.2c 0.8c -10 -10 -10 -10 -9	0.3c 0.7c -10 -9 -8 -7 -6	0.4c 0.6c -9 -8 -7 -6	0.5c -9 -8 -7 -6 -4	0 0 0 1	0.1c 0.9c 2 1 1 1 2	0.2c 0.8c 1 1 1	0.3c 0.7c 1 1 1 1 1 1	0.4c 0.6c	0.5c 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 CORNER -1 -3 -3 -3 -4 -4	-10 M 0.1c 0.9c 0 -2 -3 -3 -3	-23 z Coe 0.8c 0.8c -2 -2 -2 -2 -3 -2	-33 fficien 0.3c 0.7c 0 -1 -2 -2 -2 -2	-39 0.4c 0.6c 0 -1 -2 -2 -2	0.5c 0 -1 -2 -2 -2	-3 -13 -15 -17 -19	0.1c 0.9c -11 -11 -12 -13 -14 -14	0.2c 0.8c -10 -10 -10 -10 -9 -8	0.3c 0.7c -10 -9 -8 -7 -6 -5	0.4c 0.6c -9 -8 -7 -6 -5	0.5c -9 -8 -7 -6 -4 -2	0 0 0 1 1,	0.1c 0.9c 2 1 1 1 2 2	0.2c 0.8c 1 1 1 1 2 2	0.3c 0.7c 1 1 1 1 1 1 1 1 1	0.4c 0.6c 0 0 1 1 1 1 1 1	0.5c 0 0 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 CORNER -1 -3 -3 -3 -4 -4 -4 -4	-10 M 0.1c 0.9c 0 -2 -3 -3 -3 -3	-23 z Coe 0.8c 0.8c -2 -2 -2 -3 -2 -2	-33 fficien 0.3c 0.7c 0 -1 -2 -2 -2 -1 1	-39 0.4c 0.6c 0 -1 -2 -2 -1 0	0.5c 0 -1 -2 -2 -2 -1 0	-3 -13 -15 -17 -19 -21	0.1c 0.9c -11 -11 -12 -13 -14 -14 -13 -10 -7	0.2c 0.8c -10 -10 -10 -10 -9 -8 -7	0.3c 0.7c -10 -9 -8 -7 -6 -5 -3	0.4c 0.6c -9 -8 -7 -6 -5 -3	0.5c -9 -8 -7 -6 -4 -2 0	0 0 0 0 1 1 2	0.1c 0.9c 2 1 1 1 2 2	0.2c 0.8c 1 1 1 1 1 2 2 2 2 2	0.3c 0.7c 1 1 1 1 1 1 1 1 1	0.4c 0.6c 0 0 1 1 1 1 1 1 1 1	0.5c 0 0 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-1 -3 -3 -3 -4 -4 -4	-10 M 0.1c 0.9c 0 -2 -3 -3 -3 -3 -3	-23 z Coe 0.8c 0.8c -2 -2 -2 -3 -2 -2 -2 -1	-33 fficien 0.3c 0.7c 0 -1 -2 -2 -2 -2 -1 1	-39 0.4c 0.6c 0 -1 -2 -2 -2 -1 0	0.5c	-3 -13 -15 -17 -19 -21 -21	0.1c 0.9c -11 -11 -12 -13 -14 -14 -13 -10	0.2c 0.8c -10 -10 -10 -9 -8 -7 -5	0.3c 0.7c -10 -9 -8 -7 -6 -5 -3 -1	0.4c 0.6c -9 -8 -7 -6 -5 -3 -1	0.5c -9 -8 -7 -6 -4 -2 0	0 0 0 1 1, 2, 3	0.1c 0.9c 2 1 1 1 2 2 3 3	0.2c 0.8c 1 1 1 1 1 2 2 2 2 2	0.3c 0.7c 1 1 1 1 1 1 1 1 1	0.4c 0.6c 0 0 1 1 1 1 1 1 0 0	0.5c

3 - 34

CASE 4

Deflection = $\frac{C_d q a^4}{1000 D}$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

Long Side - Along Midheight (y = a/2)

	×	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a	c/a		0.9b	0.8b	0.7b	0.6b	
4.0	3.0	0	1.20	2.00	2.30	2.30	2.30
4.0	2.0	0	1.20	2.00	2.30	2.30	2.30
4.0	1.5	0	1.20	2.00	2.30	2.30	2.30
4.0	1.0	0	1.20	2.00	2.30	2.30	2.30
4.0	0.5	0	1.30	2.10	2.30	2.30	2.30
3.0	2.0	0	0.80	1.70	2.10	2.30	2.30
3.0	1.5	0	0.80	1.70	2.10	2.30	2.30
3.0	1.0	0	0.90	1.70	2.10	2.30	2.30
3.0	0.5	0	1.00	1.80	2.20	2.30	2.30
2.0	1.5	0	0.50	1.20	1.70	1.90	2.00
2.0	1.0	0	0.50	1.20	1.70	2.00	2.10
2.0	0.5	0	0.60,	1.30	1.80	2.00	2.10
1.5	1.0	0	0.30	0.80	1.20	1.50	1.60
1.5	0.5	0	0.40	1.00	1.40	1.60	1.70
1,0	0.5	0	0.20	0.50	0.70	0.90	0.90

Short Side - Along Midheight (y = a/2)

	z	END	0.1c	0.2c	0.3c	0.4c	0.5c
b/a	c/a		0.9c	0.8c	0.7c	0.6c	
4.0	3.0	Ð	0.80	1.70	2.10	2.30	2.30
4.0	2.0	0	0.50	1.10	1.70	1.90	2.00
4.0	1.5	Đ	0.30	0.80	1.20	1.50	1.60
4.0	1.0	0	0.10	0.30	0.50	0.60	0.70
4.0	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.10
3.0	2.0	0	0.50	1.10	1.70	1.90	2.00
3.0	1.5	Ð	0.30	0.80	1.20	1.50	1.60
3.0	1.0	0	0.10	0.30	0.50	0.60	0.70
3.0	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.10
2.0	1.5	Ð	0.30	0.80	1.20	1.50	1.60
2.0	1.0	Ð	0.10	0.30	0.50	0.60	0.70
2.0	0.5	Ð	-0.10	-0.10	-0.10	-0.10	-0.10
1.5	1.0	Ð	0.10	0.30	0.50	0.60	0.70
1.5	0.5	0	-0.10	-0.10	-0.10	-0.10	-0.10
1.0	0.5	0	0.00	-0.10	-0.10	-0.10	-0.10

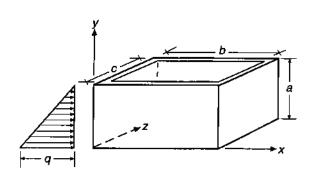
2

CASE 4

Fixed Base

Deflection = $\frac{C_d q a^4}{1000 D}$ $D = \frac{Et^3}{12(1-\mu^2)}$

Hinged Top



Deflection Coefficients, C_d

Long Side - Along Midspan (x = b/2)

b/a	c/a	0	0.1a	0.2a	0.3a	0.4a	0,5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	o	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
4.0	2.0	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	o
4.0	1.5	0	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	
4.0	1.0	0,	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	
4.0	0.5	اه	0.30	0.90	1.50	2.00	2.30	2.40	2.10	1.50	0.80	0
3.0	2.0	0	0.30	0.90	1.50	2.00	2.30	2.30	2.00	1.50	0.80	0
3.0	1.5	0	0.30	0.90	1.50	2.00	2.30	2.30	2.00	1.50	0.80	0
3.0	1.0	0	0.30	0.90	1.50	2.00	2.30	2.30	2.00	1.50	0.80	0
3.0	0.5	o	0.30	0.90	1.50	2.00	2.30	2.30	2.00	1.50	0.80	0
2.0	1.5	0	0.20	0.80	1.40	1.80	2.00	2.00	1.80	1.30	0.70	0
2.0	1.0	0	0.30	0.80	1.40	1.80	2.10	2.00	1.80	1.30	0.70	0
2.0	0.5	0	0.30	0.80	1.40	1.90	2.10	2.10	1.80	1.30	0.70	0
1.5	1.0	0	0.20	0.60	1.10	1.40	1.60	1.60	1.40	1.00	0.50	
1.5	0.5	0	0.20	0.70	1.20	1.50	1.70	1.70	1.40	1.10	0.60	
1.0	0.5	o	0.10	0.40	0.70	0.80	0.90	0.90	0.70	0.50	0.30	0

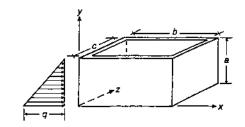
Short Side - Along Midspan (z = c/2)

b/a	C/B	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	o	0.30	0.90	1.50	2.00	2.30	2.30	2.00	1.50	0.80	0
4.0	2.0	0	0.20	0.80	1.40	1.80	2.00	2.00	1.80	1.30	0.70	
4.0	1.5	o	0.20	0.60	1.10	1.40	1.60	1.50	1.30	1.00	0.50	0
4.0	1.0	o	0.10	0.30	0.50	0.60	0.70	0.60	0.50	0.40	0.20	
4.0	0.5	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	
3.0	2.0	0	0.20	0.80	1.40	1.80	2.00	2.00	1.80	1,30	0.70	
3.0	1.5	o	0.20	0.60	1.10	1.40	1.60	1.50	1.30	1.00	0.50	0
3.0	1.0	٥	0.10	0.30	0.50	0.60	0.70	0.60	0.50	0.40	0.20	
3.0	0.5	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	
2.0	1.5	0	0.20	0.60	1.10	1.40	1.60	1.50	1.30	1.00	0.50	
2.0	1.0	0	0.10	0.30	0.50	0.60	0.70	0.60	0.50	0.40	0.20	
2.0	0.5	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	0
1.5	1.0	0	0.10	0.30	0.50	0.60	0.70	0.60	0.50	0.40	0.20	
1.5	0.5	0	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	-0.10	-0.10	<u>~</u>
1.0	0.5	_ 0	0.00	0.00	0.00	0.00	-0.10	-0.10	-0.10	-0.10	0.00	

CASE 4

Hinged Top Fixed Base

Moment = Coef. $\times qa^2/1000$



Myz Coefficient CORNER 0.1c 0.2c 0.3c 0.4c 0.5c

$\frac{b}{a} = 4.0, \frac{c}{a} =$	3.0		M	I _x Coe	fficie	nŧ			M	, Coe	fficier	nt			М	_{xy} Cos	efficie	nt	
		CORNER	0.1b	0.2b	d8.0	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			d9.0	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	1	9	4.	1	0	0
	0.9a	-2	4	8	9	10	10	-11	2	3	2	2	2	1	8	3	1	0	Ö
	0.8a	-4	8	15	18	19	19	-21	4	5	4	4	4	1	7	3	1	0	0
	0.7a	-6	11	21	25,	25	25	-29	. 6	7	6	5	5	1	5	2	0	0	0
Long Side	0.6a	-7	14	25	29	29	29	-35	7	9	7	6	6	0	2;	0	0	0	0
	0.5a	-7	15	26	29	29	29	-37	8	9	7	6	6	٥	2	1	0	0	0
	0.4a	-7	14	22	24	24	24	-35	7	7	6	5	5.	0	4	2	1	0	0
	0.3a	-6	10	13	13	13	13	-28	6	5	3	3	3	1	7	3	1	ō	0
	0.2a	-4	1	-3	-5	-5	-5	-18	2	1	-1		-1	1	7	2	1	0	0
	0.1a	-1	-15	-27	-31	-31	-31	-6	-2	-5	-6	-6	-6	1	5	2	0	0	Ö
	BOT.	0	-41	-61	-66	-67	-67	0	-8	-12	-13	-13	-13	0	0	0	0	0	0
										A .						100.00			

0.2c | 0.3c | 0.4c | 0.5c | CORNER | 0.1c | 0.2c | 0.3c | 0.4c | 0.5c

TOP -11 0.9a -2 -4 -21 0.8a 0.7a -6 -29 0.6a -7 -35 **Short Side** -7 -37 0.5a 0.4a -7' -35

0.1c

M₂ Coefficient

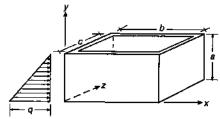
0.8c 0.7c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c 0.90 0.6c ō 0.3a -6 -28 -1 -5 ō -4 -18 -1 0.2a -4 -5 -31 -5 -6 O 0.1a -1 -11 -23 -28 -31 -6 -1 BOT. οł -31 -6

My Coefficient

$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		М	, Coe	fficier	nt			М	, Coe	fficier	nt			M,	_{ry} Coe	officie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0,6b			0.9b	0.8b	0.7b	0.6b	
	TÓP	0	Ō	0	0	0	0	0	0	0	0	Ö	0	1	9	4	1	0	0
	0.9a	-2	4	8	9	10	10	-11	2	3	2	2	2	1	8	3	1	0	0.
	0.8a	-4	8	15	18	19	19	-21	4	5	4	4	4	1	7	3	1	0	0
	0.7a	-6	11	21	25	25	25	-29	6	7	6	. 5	5	1	5	2	0	0	0
Long Side	0.6a	-7	14	25	29	29	29	-34	7	9	7	6	6	0	2	0	0	0	0
	0.5a	-7	15	26	29	29	29	-37	8	9	7	6	6	0	2	1	0	0	0
	0.4a	-7	14	22	24	24	24	-35	7	7	6	5	5	0	4	2	1	0	0
	0.3a	-6	10	13	13	13	13	-28	6	5	3	3	3	1	7	. 3	1	0	0
	0.2a	-4	1	-3	-5	-5	-5	-18	2	1	-1	1	-1	1	7	2	1	0	0
	0.1a	-1	-15	-27	-31	-31	- <u>31</u>	-6	-2	-5	6	-6	-6	1	5	2	0	0	0
	BOT.	0	-41	-61	-66	-67	-67	0	-8	-12	-13	-13	-13	0	0	0	0	0	0

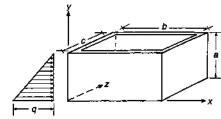
M, Coefficient M_v Coefficient Myz Coefficient CORNER 0.1C 0.2C 0.3C 0.4C 0.5C 0.2c | 0.3c | 0.4c | 0.5c | corner | 0.1c | 0.2c | 0.3c | 0.4c | 0.5c CORNER 0.1C 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c TQP 0.9a -2 -11 0.8a -4 -21 -3 -29 -3 -6 0.7a 0.6a -7 -34 -3 **Short Side** 0.5a -7 -37 -3 -7 -35 -2 В 0.4a -28 0.3a -6 -1 0.2a -4 -2 -18 ō -27 -2 -4 -5 -5 -6 -15 -22 -26 -6 -1 0.1a -12 вот. -19 -41 -54 -60 ol

Moment = Coef. $\times qa^2/1000$



-														- q →					_
$\frac{b}{a} = 4.0, \frac{c}{a}$	= 1.5		N	I _x Coe	efficie	nt			N	l, Coe	fficie	nt			N	I _{xy} Co	efficie	ent	
		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER	41.10	0.2b	0.3b	0.45	0.5b	CORNER		0.26	0.3b	0.4b	0,5b
	TOP	0	0.9b 0	0.8b 0	0.7b	0.6b	0	0	0.9b 0	0.8b 0	0.7b 0	0.6b 0	0	1	0.9b 9	0.8b	0.7b	0.6b	0
	0.9a	-2	4	8	9	10	10		2	3	2	2	2	1			1		_
	0.8a	-4	8	15	18	19	19	-20	4	5	4	4	4	1	7	3	1	D	
Lana Cida	0.7a	- 6	12	21	25	25	25	-28	6	7	6	5	5	1	5	2	0		
Long Side	0.6a 0.5a	-7 -7	14 15	25 26	29 29	29	29 29	-34 -36	7 8	9	7	6 6	6	0		0,	0	0	
	0.4a	-7	14	22	24	24	24	-34	7	7	6	5	5	Ö	4		1	0	
	0.3a	-6	10	13	13	13	13	-28	6	5	3	3	3	1	7	3	_ 1	0	
	0.2a 0.1a	-4 -1	1	-3 -27	-5	-5	-5	-18	-2	1	-1	-1	-1	1		2	1	0	
	BOT.	-1 D	-15 -41	-27 -61	-31 -66	-31 -67	-31 -67	-6	-2 -8	-5 -12	-6 -13	-6 -13	6 -13	0	5 0	-	0		
	001.		711	-01	-00	-07	-07	<u> </u>		-12	-10	1 13	-10			Ų	U	U	0
				, Coe						, Coe	171, 271, 27	nt			M	yz Coe	efficie	nt	
		CORNER		0.2c	0.30	0.4c	0.5c	CORNER	0	0.20	0.30	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
	TOP	0	0.9c	0.8c	0.7c	0.6c 0	0	0	0.9c	0.8c	0.7c 0	0.6c	D	1	0.9c	0.8c 9	0.7c	0.6c 4	0
	0.9a	-2	ō	2	4	5	6	-11	-3	1	3	4	4	1	7	8	6	3	0
	0.8a	-4	O	5	8	10	11	-20	-5	2	6	7	7	1	6	7	5	3	Ö
Chart Cide	0.7a 0.6a	-6 -7	1	7	12	15 18	16 19	-28 -34	-7 -8	3	8 10	10 11	10	1 0	5	_ 5	4	2	0
Short Side	0.5a	-7	1	10	16	19	21	-36	-8	5	10	12	12	0	2	2 1	1 1	1	0
	0.4a	-7	2.	10	15	18	19	-34	-6	5	9	10		0	3:	4	3	2	0
	0.3a	-6	2	7	11	12	13	-28	-4	4	7	8	8	<u>i</u>	6	7	5	3	0
	0.2a 0.1a	-4 -1	0 -4	-10	-16	1 -20	-21	-18 -6	-2 -1	-1	-2	-3	-3 -3	1	7 6	8 6	6 4	3	
	BOT.	Ò	-12	-31	-44	-51	-53	ō	-2	-6	-9	-10	-11	0	0	0	- 7	0	0
b c																			
$\frac{b}{a} = 4.0, \frac{c}{a} =$	= 1.0			, Coe			0.51			y Coe			0.51			, Coe			
$\frac{b}{a} = 4.0, \frac{c}{a} =$	= 1.0	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
$\frac{b}{a} = 4.0, \frac{c}{a} =$	= 1.0 TOP	CORNER					0.5b	CORNER		<u> </u>			0.5b	CORNER 3				0.4b 0.6b	0.5b
$\frac{b}{a} = 4.0, \frac{c}{a} =$	TOP 0.9a	0	0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b 0 9	0,4b 0.6b 0	0 10	0	0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b 0 2	0.4b 0.6b 0	0	3	0.1b 0.9b 9	0.2b 0.8b 3	0.3b 0.7b	0.4b	0.5b 0
$\frac{b}{a} = 4.0, \frac{c}{a} =$	TOP 0.9a 0.8a	0 -2 -4	0.1b 0.9b 0 4 9	0.2b 0.8b 0 8 16	0.3b 0.7b 0 9 18	0,4b 0.6b 0 10	0 10	0 -9 -18	0.1b 0.9b 0 2 4	0.2b 0.8b 0 3	0.3b 0.7b 0 2 4	0.4b 0.6b 0 2 4	0 2 4	3 2 2	0.1b 0.9b 9 8 7	0.2b 0.8b 3 3	0.3b 0.7b 1 1	0.4b 0.6b 0 0	0.5b 0 0
	TOP 0.9a 0.8a 0.7a	0 -2 -4 -5	0.1b 0.9b 0 4 9	0.2b 0.8b 0 8 16 22	0.3b 0.7b 0 9 18 25	0,4b 0,6b 0 10 19 25	0 10 19 26	0 -9 -18	0.1b 0.9b 0 2 4 6	0.2b 0.8b 0 3 5	0.3b 0.7b 0 2 4 6	0.4b 0.6b 0 2 4 5	0 2: 4 5	3 2 2 2	0.1b 0.9b 9 8 7	0.2b 0.8b 3 3 3 2	0.3b 0.7b 1 1 1 0	0.4b 0.6b 0 0 0	0.5b 0 0
$\frac{b}{a} = 4.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a	-2 -4 -5 -6	0.1b 0.9b 0 4 9	0.2b 0.8b 0 8 16 22 25 26	0.3b 0.7b 0 9 18	0,4b 0.6b 0 10	0 10 19 26 29	0 -9 -18	0.1b 0.9b 0 2 4	0.2b 0.8b 0 3 5 7 9	0.3b 0.7b 0 2 4	0.4b 0.6b 0 2 4	0 2 4	3 2 2	0.1b 0.9b 9 8 7	0.2b 0.8b 3 3	0.3b 0.7b 1 1	0.4b 0.6b 0 0	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -2 -4 -5 -6 -6	0.1b 0.9b 0 4 9 12 15 16	0.2b 0.8b 0 8 16 22 25 26 22	0.3b 0.7b 0 9 18 25 29 29	0.4b 0.6b 0 10 19 25 29 29	0 10 19 26 29 29	0 -9 -18 -25 -30 -32 -31	0.1b 0.9b 0 2 4 6 7 8	0.2b 0.8b 0 3 5 7 9 9	0.3b 0.7b 0 2 4 6 7	0.4b 0.6b 0 2 4 5 6 6	0 2 4 5 6	3 2 2 1 0 1	0.1b 0.9b 9 8 7 4 2 1	0.2b 0.8b 3 3 2 0 1	0.3b 0.7b 1 1 0 0 0 1	0.4b 0.6b 0 0 0 0 0	0.5b 0 0
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	O -22 -4 -1 O CORNER O -2 -4 -5 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6	0.1b 0.9b 0 4 9 12 15 16 14 10 1 -16 -42 M, 0.1c 0.9c 0 -1 -2 -2 -2 -1 0	0.2b 0.8b 0 8 16 22 25 26 22 13 -3 -27 -62 0.8c 0 0 1 2 3 4 4 4	0.3b 0.7b 0 9 18 25 29 24 13 -5 -31 -66 ficien 0.3c 0.7c 0 1 2 3 5 7	0.4b 0.6b 0 10 19 25 29 24 13 -5 -31 -67 0.4c 0.6c 0 2 3 5 7	0 10 19 26 29 29 24 13 -5 -31 -67	O -99 -18 -26 O CORNER -18 -25 -30 -32 -31 -25 -30 -32 -31 -26 -32 -31 -26	0.1b 0.9b 0 2 4 6 7 8 8 6 3 -2 -8 M 0.1c 0.9c 0 -4 -7 -10 -12	0.2b 0.8b 0 3 5 7 9 9 7 5 1 -5 -12 Coe 0.8c 0 -1 -1 0 0 1	0.3b 0.7b 0 2 4 6 7 7 6 3 -1 -6 -13 fficier 0.3c 0.7c 0 2 4 5 6 7 7 6 -13	0.4b 0.6b 0 2 4 5 6 6 5 3 -11 -6 -13 11 0.4c 0.6c 0 3 6 8 10 11 10 9	0 2: 4 5 6 6 5 3 -1 -6; -13 0.5c	3 2 2 1 0 0 CORNER 3 2 2 1 0 0	0.1b 0.9b 9 8 7 4 2 1 4 6 7 5 0 M, 0.1c 0.9c 3 3 3 3	0.2b 0.8b 3 3 2 0 1 2 2 2 0 0.8c 5 4 3 2	0.3b 0.7b 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 4 4 4 4 3 2	0.4b 0.6b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.7a 0.6a 0.5a	O -22 -4 -1 O CORNER -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6	0.1b 0.9b 0 4 9 12 15 16 14 10 1 -16 -42 M, 0.1c 0.9c 0 -1 -2 -2 -2 -1 0 0	0.2b 0.8b 0 8 16 22 25 26 22 13 -3 -27 -62 0.2c 0.8c 0 0 1 2 3 4 4 2	0.3b 0.7b 0 9 18 25 29 24 13 -5 -31 -66 ficten 0.3c 0.7c 0 1 2 3 5 7 8 7	0.4b 0.6b 0 10 19 25 29 24 13 -5 -31 -67 t 0.4c 0.6c 0 2 3 5 7 9 10 9 4	0 10 19 26 29 24 13 -5 -31 -67 0.5c 0 2 4 6 8 10 11	O -99 -18 -26 -0 -18 -25 -30 -32 -31 -26 -30 -32 -31 -26 -18 -30 -32 -31 -26 -18	0.1b 0.9b 0 2 4 6 7 8 8 6 3 -2 -8 0.1c 0.9c 0 -4 -7 -10 -12 -12 -11 -8 -5	0.2b 0.8b 0 3 5 7 9 9 7 5 1 -5 -12 Coe 0.2c 0.8c 0 -1 -1 -1 0 0 1 1	0.3b 0.7b 0 2 4 6 7 7 6 3 -1 -6 -13 fficier 0.3c 0.7c 0 2 4 5 6 7 7 6 -13	0.4b 0.6b 0 2 4 5 6 6 5 3 -11 -6 -13 11 0.4c 0.6c 0 3 6 8 10 11 10 9 5	0 2: 4 5 6 6 6 5 3 3 -1 -6 -13 0.5c 0 3 6 6 9 11 12 11 9 5	3 2 2 1 0 0 CORNER 3 2 2 1 1 0 0 1 1 1 2 2 2 2 1 1 0 0 1 1 1 2 2 2 1 1 0 0 1 1 1 2 2 2 2	0.1b 0.9b 9 8 7 4 2 1 4 6 7 5 0 0.1c 0.9c 3 3 3 3 2 1 1 1	0.2b 0.8b 3 3 3 2 0 1 2 2 2 2 0 0.2c 0.8c 5 5 4 3 2 0 2 4 6	0.3b 0.7b 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4b 0.6b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	O -22 -4 -1 O CORNER O -2 -4 -5 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6 -6	0.1b 0.9b 0 4 9 12 15 16 14 10 1 -16 -42 M, 0.1c 0.9c 0 -1 -2 -2 -2 -1 0	0.2b 0.8b 0 8 16 22 25 26 22 13 -3 -27 -62 0.8c 0 0 1 2 3 4 4 4	0.3b 0.7b 0 9 18 25 29 24 13 -5 -31 -66 ficien 0.3c 0.7c 0 1 2 3 5 7	0.4b 0.6b 0.6b 10 19 25 29 24 13 -5 -31 -67 0.4c 0.6c 0 2 3 5 7 9 10 9	0 10 19 26 29 24 13 -5 -31 -67 0.5c 0 2 4 6 8 10 11	O -99 -18 -26 O CORNER -18 -25 -30 -32 -31 -25 -30 -32 -31 -26 -32 -31 -26	0.1b 0.9b 0 2 4 6 7 8 8 6 3 -2 -8 0.1c 0.9c 0 -4 -7 -10 -12 -11 -8	0.2b 0.8b 0 3 5 7 9 9 7 5 1 -5 -12 Coe 0.8c 0 -1 -1 0 0 1	0.3b 0.7b 0 2 4 6 7 7 6 3 -1 -6 -13 fficier 0.3c 0.7c 0 2 4 5 6 7 7 6 -13	0.4b 0.6b 0 2 4 5 6 6 5 3 -11 -6 -13 11 0.4c 0.6c 0 3 6 8 10 11 10 9	0 2: 4 5 6 6 5 3 -1 -6; -13 0.5c	3 2 2 1 0 0 CORNER 3 2 2 1 1 0 0 1 1 1 2 2	0.1b 0.9b 9 8 7 4 2 1 4 6 7 5 0 0.1c 0.9c 3 3 3 3 2 1 1 1	0.2b 0.8b 3 3 3 2 0 1 2 2 2 2 0 0.2c 0.8c 5 5 4 3 2 0 2 4	0.3b 0.7b 1 1 0 0 0 1 1 1 0 0 0 1 1 1 0 0 0 0 1 1 1 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4b 0.6b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



						IVI	ome	n = 0	,0 0 1.	∧ ya	7 100	<i>.</i> 00	£			, * Z			<u></u> x
<i>b</i> 0														- q →					
$\frac{b}{a} = 4.0, \frac{c}{a} =$	0.5		M	l _x Coe	fficie	nt			M	l, Coe	efficie	nt			M	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	<u> </u>		0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	<u> </u>
	TOP	0	0			0	0		0	0		0	0		8	3	1	0	
	0.9a	-1	5	8	10	10	10		3	3	2	2	2	6	8	3	1	0	
	0.8a	-2	10	16	18	19	19	-12	5	5	4	4	4	5	6	2	1	0	
1. 1.	0.7a	-3	14	22	25	25	26	-17	7	7	6	5	5	3	4	1	0	Ŏ	
Long Side	0.6a	-4	16	26	29	29	29	-20	8	8	7	6	6		2	0		0	
	0.5a	-4	17	26	29	29	29	-22	9	8 7	7	6	6 5	1 3	1 4	1 2	0	0	0
	0.4a	-4	16	22	24	24 13	24 13	-22 -20	8 6	5	3	5	3	4	6	2	1	0	ő
	0.3a	-4	10	13	13 -5	-5		-20 -14	3	- 0	-1	1	<u></u>	<u>4</u> .	7	2		0	
	0.2a	-3	-17	-3	-31	-5 -31	-5 -31	-6	-3	-5	-6	-6		4	5	1		0	0
	0.1a	-1 0		-28 -62	-66	-67	-67	1 - 0	-9		-13	-13	-13		0	0		ő	
	BOT.	U	-45	1 -62	-00	-6/	-0/	V	-9	-12	-13	-13	-13	U	. 0	0		- 0	
			М	, Coe	fficien	t			M	, Coe	efficie	nt			М	yz Coe	efficie	nt	
	!	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	0	0.00	0.00		0	0	0	0	Ö	0	0	0	6	3	2	1	0	0
	0.9a	-1	-1	-1		-1	-1	-6	-4	-3	-2;	-1	-1	6	3	2	1	0	. 0
	0.8a	-2	-2	-2	-2	-2	-2	-12	-8	-5	-4	-2	-2	5	2	1	1	0	0
	0.7a	-3	-3	-3	-3	-3	-3	-17	-11	-7	-5	-3	-2	3	1	1	0	0	ļo
Short Side	0.6a	-4	-4	-3	-3	-3	-3	-20	-14	-8	-5	-3	-2	1	0	0	0	0	0
SHOIL SIDE	0.5a	-4	-4	-3	-3	-2	-2	-22	-14	-8	-4	-2	-1	1	1	1	1	0	0
	0.4a	-4	-3	-2	-2	-1	-1	-22	-14	-7	-3	0	0	3	2	2	1	1	l o
	0.3a	-4	-2	-1	0	1	1	-20	-11	-5	-1	1	2	4	3	2	1	0	
	0.2a	-3	-1	1	2	3	3	-14	-7	-2	0	2	3	5	2	1	0	0	
	0.1a	-1	1	2	2.	3	3		-2	0	1	1	2	4	1	1	1	1	
	BOT.	0	1	-1	-3	-4	-5	0	0	0	-1	-1	-1	0	. 0	0	0	0	0
$\frac{b}{a} = 3.0, \frac{c}{a} =$	20															_	1		
a = 3.0, $a = 3.0$	2.0		0.1b	0.2b	officier 0.3b	1 t 0.4b	0.5b	CORNER		0.2b	officie:	1t 0.4b	0.5b	CORNER		0.2b	officie 0.3b	nt 0.4b	0.5b
		CORNER	0.1b	0.20 0.8b	0.7b	0.6b	0.50	CONNER	0.16 0.9b	0.8b	0.7b	0.4b	0.00	Some	0.1b	0.8b	0.7b	0.6b	0.30
	TOP	0	0.90	0.60	0.70	0.00	0	0	0.50	0.00	0.75	0.02	0	1		6	3	1	0
	0.9a	-2	3		9	9	10	-11	1	3	3	2		1	9	6	3	1	
	0.8a	-4	- 5		16	18	18	-21	2		5	4	—— -	1	8	5	2	1	0
	0.7a	-6	 7	18	23	25	25	-29	3	8	7	6	6	Ö	5	3	1	0	
Long Side	0.6a	-7	9		26	28	29	-35	3	9	8	7	—- 7	Ó	2	1	0	0	0
Long Side	0.5a	-7	10	22	27	29	29	-37	4	9	8	7	7	0	1	1		0	0
	0.4a	-7	10	19	23	24	24	-35	4	8		6	5	0	5	3	2	1	0
	0.3a	-6	7		13	13	13	-29	4			3	3	0	7	4	2	1	0
	0.2a	-4	1	-1	-4		-5		2			y -1	-1	1	8	5	2	1	0
	0.1a	-1	-11	-23	-28	-31	-31	-6	-	-4		-6	-6	1	6	3	1	0	
	BOT.	0	-31	-54	-63	-66	-66	0		-11		-13	-13	0	0	0		0	
							. J <u>-</u>				Male								

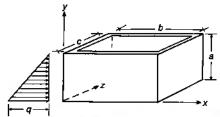
		M	, Coe	fficien	it			M	y Coe	fficie	nt			М	yz Coe	efficie	nt	
	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.30	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	L
TOP	0	0	0	0	0	0	O,	0	0	Q	0	0	1	9	9	6	3	0
0.9a	-2	1	4	6	8	8	-11	-1	2	3	3	3	1	9	- 8	6	3	0
0.8a	-4	2	8	12	15	16	-21	-3	4	6	6	6	1	7	7	5	2	0

Short Side

			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
ſ	TOP	0	0	0	0	0	0	O,	0	0	0	0	0	1	9	9	6	3	0
ı	0.9a	-2	1	4	6	8	8	-11	-1	2	3	3	3	1	9	8	6	3	0
ı	0.8a	-4	2	8	12	15	16	-21	-3	4	6	6	6	1	7	7	5	2	0
ı	0.7a	-6	3	11	17	21	22	2 9	-3	6	8	8	8	0	. 5	5	3	1	0
ı	0.6a	-7	4	14	21	24	25	-35	ခု	7	10	10	9	0	2	2	1	0	0
ı	0.5a	-7	5	15	22	25	26	-37	-3	8	10	10	9	0	1	1	1	1	0
Ī	0.4a	-7	5	14	19	22	22	-35	-2	7	9	8	8	0	4	4	3	2	0
ſ	0.3a	-6	4	10	12	13	13	-29	-1	6	6	5	5	0	7	7	4	2	0
ſ	0.2a	-4	1	1	-1	-2	-3	-18	0	3	2	1	1	1	8	7	4	2	D
Ī	0.1a	-1	-6	-15	-22	-26	-27	-6	-1	-2	-4	-5	-5	1	7	5	3	1	0
[BOT.	0	-19	-41	-54	-60	-62	0	-4	-8	-11	-12	-12	0	0	0	0	0	0

Myz Coefficient

Moment = Coef. $\times qa^2/1000$

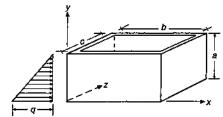


$\frac{b}{a} = 3.0, \frac{c}{a}$	= 1.5		N	L Coe	efficie	nt			M	l, Coe	fficie.	nt			M	xy Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		P. 14	0.96	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b		1000	0.9b	0.8b	0.7b	0.6b	1
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	1	10	6	3	1	
	0.9a	-2	3	7	9	9	10	-11	. 1	3	3	2	2	1	9	6	3	1	- (
	0.8a	-4	5	13	16	18	18	-20	2	6	5	4	4	1	8	5	2	_ 1	- 0
	0.7a	-6	8	18	23	25	25	-28	3	8	7	6	6	0	5	3	1	0	
Long Side	0.6a	-7	9	21	26	28	29	-34	3	9	8	7	7	0	2	1	0	0	(
-	0.5a	-7	10	22	27	29	29	-36	4	9	8	7	7	0	1	1	- 1	0	0
	0.4a	-7	10	19	23	24	24	-34	4	8	7	6	5	0	5	3	- 1	1	0
	0.3a	-6	7	12	13	13	13	-28	4	6	4	3	3	1	7	4	2	1	0
	0.2a	-4	1	-1	-4	-5	-5	-18	2	2	0	-1	-1	1	8	4	2	1	0
	0.1a	-1	-11	-23	-28	-31	-31	-6	-1	-4	-5	-6	-6	1	6	3	1	0	0
	BOT.	0	-31	-54	-63	-66	-66	0	-6	-11	-13	-13	-13	0	0	o	0	0	C
		CORNER	M 0.1c	2 Coe	fficien	nt 0.4c	0.5c	CORNER	M	y Coe	fficie:	nt 0.4c	0.5c	CORNER		_{yz} Coe			0.50
								1			100	nt			M	yz Coe	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	Ö.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
	TOP		0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c			0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c			0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	
	TOP	. 0	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0	0	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c 0	0.4c 0.6c	0	1	0.1c 0.9c	0.2c 0.8c 9	0.3c 0.7c 7	0.4c 0.6c	0
	0.9a	. 0 -2	0.1c 0.9c 0	0.2c 0.8c 0	0.3c 0.7c 0	0.4c 0.6c 0	0	0 -11	0.1c 0.9c 0	0.2c 0.8c 0	0.3c 0.7c 0	0.4c 0.6c 0	0 4	1	0.1c 0.9c 7 7	0.2c 0.8c 9	0.3c 0.7c 7 6	0.4c 0.6c 4 3	0
	0.9a 0.8a	0 -2 -4	0.1c 0.9c 0 0	0.2c 0.8c 0 2	0.3c 0.7c 0 4 8	0.4c 0.6c 0 5	0 6 11	0 -11 -20	0.1c 0.9c 0 -3 -5	0.2c 0.8c 0 1	0.3c 0.7c 0 3 6	0.4c 0.6c 0 4	0 4 7	1 1 1	0.1c 0.9c 7 7 6	0.2c 0.8c 9 8 7	0.3c 0.7c 7 6 5	0.4c 0.6c 4 3	0
Short Side	0.9a	0 -2 -4 -6	0.1c 0.9c 0	0.2c 0.8c 0 2 5	0.3c 0.7c 0 4 8	0.4c 0.6c 0 5 10	0 6 11 16	0 -11 -20 -28	0.1c 0.9c 0 -3 -5	0.2c 0.8c 0 1 2	0.3c 0.7c 0 3 6	0.4c 0.6c 0 4 7	0 4 7	1 1 1 0	0.1c 0.9c 7 7 6 5	0.2c 0.8c 9 8 7	0.3c 0.7c 7 6 5	0.4c 0.6c 4 3 3	0 0 0
Short Side	0.9a 0.8a 0.7a	0 -2 -4 -6 -7	0.1c 0.9c 0 0 0	0.2c 0.8c 0 2	0.3c 0.7c 0 4 8	0.4c 0.6c 0 5	0 6 11 16	0 -11 -20 -28 -34	0.1c 0.9c 0 -3 -5 -7	0.2c 0.8c 0 1 2 3	0.3c 0.7c 0 3 6 8	0.4c 0.6c 0 4 7 10	0 4 7 10 12	1 1 1 0	0.1c 0.9c 7 7 6 5	0.2c 0.8c 9 8 7 5	0.3c 0.7c 7 6 5 4	0.4c 0.6c 4 3 3 2	0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a	0 -2 -4 -6	0.1c 0.9c 0 0 0 1	0.2c 0.8c 0 2 5 7	0.3c 0.7c 0 4 8 12	0.4c 0.6c 0 5 10 15 18	0 6 11 16 19 21	0 -11 -20 -28 -34 -36	0.1c 0.9c 0 -3 -5	0.2c 0.8c 0 1 2 3 4	0.3c 0.7c 0 3 6	0.4c 0.6c 0 4 7	0 4 7	1 1 1 0 0	0.1c 0.9c 7 7 6 5 2	0.2c 0.8c 9 8 7 5 2	0.3c 0.7c 7 6 5 4 1	0.4c 0.6c 4 3 3 2	0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a	0 -2 -4 -6 -7	0.1c 0.9c 0 0 0 1	0.2c 0.8c 0 2 5 7 9	0.3c 0.7c 0 4 8 12 14 16	0.4c 0.6c 0 5 10 15 18 19	0 6 11 16 19 21 19	0 -11 -20 -28 -34 -36 -34	0.1c 0.9c 0 -3 -5 -7 -8	0.2c 0.8c 0 1 2 3 4 5	0.3c 0.7c 0 3 6 8 10 10	0.4c 0.6c 0 4 7 10 11 12 10	0 4 7 10 12 12	1 1 1 0	0.1c 0.9c 7 7 6 5 2 0	0.2c 0.8c 9 8 7 5 2 1	0.3c 0.7c 7 6 5 4 1 1	0.4c 0.6c 4 3, 3 2 1 1	0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -2 -4 -6 -7 -7	0.1c 0.9c 0 0 0 1 1 1	0.2c 0.8c 0 2 5 7 9	0.3c 0.7c 0 4 8 12 14	0.4c 0.6c 0 5 10 15 18	0 6 11 16 19 21	0 -11 -20 -28 -34 -36	0.1c 0.9c 0 -3 -5 -7 -8 -8 -6	0.2c 0.8c 0 1 2 3 4	0.3c 0.7c 0 3 6 8 10	0.4c 0.6c 0 4 7 10 11 12 10 8	0 4 7 10 12 12 11 8	1 1 1 0 0	0.1c 0.9c 7 7 6 5 2 0	0.2c 0.8c 9 8 7 5 2 1 4	0.3c 0.7c 7 6 5 4 1 1 3	0.4c 0.6c 4 3 3 2 1 1 2	0 0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	0 -2 -4 -6 -7 -7 -7	0.1c 0.9c 0 0 0 1 1 1 2	0.2c 0.8c 0 2 5 7 9 10 10	0.3c 0.7c 0 4 8 12 14 16 15 11	0.4c 0.6c 0 5 10 15 18 19 18	0 6 11 16 19 21 19	0 -11 -20 -28 -34 -36 -34 -28	0.1c 0.9c 0 -3 -5 -7 -8 -8	0.2c 0.8c 0 1; 2 3 4 5 5,	0.3c 0.7c 0 3 6 8 10 10 9	0.4c 0.6c 0 4 7 10 11 12 10 8 3	0 4 7 10: 12 12 11 8	1 1 1 0 0 0	0.1c 0.9c 7 7 6 5 2 0 3 6 7	0.2c 0.8c 9 8 7 5 2 1 4	0.3c 0.7c 7 6 5 4 1 1 3 5	0.4c 0.6c 4 3 3 2 1 1 2 3	0 0 0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -2 -4 -6 -7 -7 -7 -6 -4	0.1c 0.9c 0 0 0 1 1 1 2 2	0.2c 0.8c 0 2 5 7 9 10 10 7 2 -10	0.3c 0.7c 0 4 8 12 14 16 15 11 1	0.4c 0.6c 0 5 10 15 18 19 18 12	0 6 11 16 19 21 19 13 0 -21	0 -11 -20 -28 -34 -36 -34 -28 -18	0.1c 0.9c 0 -3 -5 -7 -8 -8 -6 -4 -2 -1	0.2c 0.8c 0 1 2 3 4 5 5 4	0.3c 0.7c 0.3 6 8 10 10 9 7 3 -2	0.4c 0.6c 0 4 7 10 11 12 10 8 3 -3	0 4 7 10 12 12 11 8 3	1 1 1 0 0 0 0 0	0.1c 0.9c 7 7 6 5 2 0 3 6 7 6	0.2c 0.8c 9 8 7 5 2 1 4 7 8 6	0.3c 0.7c 7 6 5 4 1 1 3 5 6	0.4c 0.6c 4 3 3 2 1 1 2 3 3	0 0 0 0 0 0
	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	0 -2 -4 -6 -7 -7 -7 -7 -6 -4 -1	0.1c 0.9c 0 0 0 1 1 1 2 2 0 -4	0.2c 0.8c 0 2 5 7 9 10 10 7	0.3c 0.7c 0 4 8 12 14 16 15 11	0.4c 0.6c 0 5 10 15 18 19 18 12 1	0 6 11 16 19 21 19 13	0 -11 -20 -28 -34 -36 -34 -28 -18	0.1c 0.9c 0 -3 -5 -7 -8 -8 -6 -4 -2	0.2c 0.8c 0 1 2 3 4 5 5 4 2 -1	0.3c 0.7c 0 3 6 8 10 10 9	0.4c 0.6c 0 4 7 10 11 12 10 8 3	0 4 7 10: 12 12 11 8	1 1 1 0 0 0 0	0.1c 0.9c 7 7 6 5 2 0 3 6 7	0.2c 0.8c 9 8 7 5 2 1 4	0.3c 0.7c 7 6 5 4 1 1 3 5	0.4c 0.6c 4 3 3 2 1 1 2 3	000000000000000000000000000000000000000
	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	0 -2 -4 -6 -7 -7 -7 -7 -6 -4 -1	0.1c 0.9c 0 0 1 1 1 2 2 0 -4 -12	0.2c 0.8c 0 2 5 7 9 10 10 7 2 -10	0.3c 0.7c 0 4 8 12 14 16 15 11 1	0.4c 0.6c 0 5 10 15 18 19 18 12 1 -20 -51	0 6 11 16 19 21 19 13 0 -21	0 -11 -20 -28 -34 -36 -34 -28 -18	0.1c 0.9c 0 -3 -5 -7 -8 -8 -6 -4 -2 -1 -2	0.2c 0.8c 0 1 2 3 4 5 5 4 2 -1	0.3c 0.7c 0 3 6 8 10 10 9 7 3 -2	0.4c 0.6c 0 4 7 10 11 12 10 8 3 -3 -10	0 4 7 10 12 12 11 8 3	1 1 1 0 0 0 0 0	0.1c 0.9c 7 7 6 5 2 0 3 6 7 6	0.2c 0.8c 9 8 7 5 2 1 4 7 8 6	0.3c 0.7c 7 6 5 4 1 1 3 5 6 4 0	0.4c 0.6c 4 3 3 2 1 1 2 3 3 3 2 0	0 0 0 0 0 0 0
Short Side $\frac{b}{a} = 3.0, \frac{c}{a} = 3.0$	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	0 -2 -4 -6 -7 -7 -7 -6 -4 -1	0.1c 0.9c 0 0 1 1 1 2 2 0 -4 -12	0.2c 0.8c 0 2 5 7 9 10 10 7 2 -10	0.3c 0.7c 0 4 8 12 14 16 15 11 1 -16 -44	0.4c 0.6c 0 5 10 15 18 19 18 12 1 -20 -51	0 6 11 16 19 21 19 13 0 -21	0 -11 -20 -28 -34 -36 -34 -28 -18	0.1c 0.9c 0 -3 -5 -7 -8 -8 -6 -4 -2 -1 -2	0.2c 0.8c 0 1 2 3 4 5 5 4 2 -1 -6	0.3c 0.7c 0 3 6 8 10 10 9 7 3 -2	0.4c 0.6c 0.6c 1 10 11 12 10 8 3 -3 -10	0 4 7 10 12 12 11 8 3	1 1 1 0 0 0 0 0 1 1 1 1	0.1c 0.9c 7 7 6 5 2 0 3 6 7 6	0.2c 0.8c 9 8 7 5 2 1, 4 7 8 6 0	0.3c 0.7c 7 6 5 4 1 1 3 5 6 4 0	0.4c 0.6c 4 3 2 1 1 2 3 3 2 0	0 0 0 0 0 0

$\frac{b}{a}$ = 3.0, $\frac{b}{a}$ =	1.0		M	l _x Coe	fficie	nt			M	l _y Coe	fficie	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.56	CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.26	0.3b	0.4b	0.5b
			0.9b	d8.0	0.7b	0.6b		l	0.9b	0.8b	0.7ь	0.6b			0.9b	0.8b	0.7b	0.6b	1 1
	TOP	0	Ö	0	0	_ 0	0	0	0	0	0	0	0	2	10	6	3	1	0
	0.9a	-2	3	7	9	9	10	-9	1	3	3	2	2	2	9	6	2	1	Ó
	0.8a	-4	6	13	17	18	18	18	2	6	5	4	4	2	8	5	2	1	ō
	0.7a	-5	8	18	23	25	25	-25	3	8	7	6	6	1,	5	3	1	0	0
Long Side	0.6a	-6	10	21	27	29	29	-30	4	9	8	7	7	0	2	1	- 0	0	0
A 50.000	0.5a	-6	11	22	27	29	29	-32	5	9	8	7	6	1	1	1	1	0	Ō.
	0.4a	-6	10	20	23	24	24	31	5	8	7	6	5	1	5	3	1	0	ō
	0.3a	-5	8	12,	13	13	13	-27	4	6	4	3	3,	2	7	4	2	1	0
	0.2a	4	1	-1]	-4	-5	-5	-18	2	2	0	-1	-1	2	8	4	2	1	0
	0.1a	1	-11	-23	-29	-31	-31	-6	-1	-4	-5	-6	-6	1	6	3	1	0	ō
	BOT.	0	-33	-55	-63	-66	-66	o	-7	-11	-13	-13	-13	o	0	0	0	. 0	ō

			M	, Coe	fficier	nt		<u> </u>		y Coe	efficie		-13	<u> </u>	M	yz Co	10. 6		0
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2¢	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c	L		0.9c	0.8c	0.7c	0.6c	1		0.9c	0.8c	0.7c	0.6c	
	TOP	0	0	0	0	0	0	0	0-	0	0	0	0	2	3	5	4	3	Ö
	0.9a	-2	-1	0	1	2	2	-9	-4	ō	2	3	3	2	3	5	4	- 2	0
	0.8a	-4	2	0	2	3	4	-18	-7	-1,	4	6	6	2	3	4	4	2	0
	0.7a	-5	-2	1	3	5	6	-25	-10	-1	5	8	9	1	3	3	3	2	0
Short Side	0.6a	-6	-2	2	5	7.	8	-30	-12	0	6	10	11	0	2	2	2	1	ō
	0.5a	-6		3	6	9	10	-32	-12	Ö	7	11	12	1	1	0	0	Ō	0
	0.4a	-6	-1	4	8	10	11	-31	-11	1	7	10	11	1	1	2	2	1	0
	0.3a	-5	0	4	7	9	10	-27	-8	1	6	9	9	2	3	4	- 4	2	0
	0.2a	-4	0	2	4	4	4	-18	5	1;	4	5	5	2	4	6	5	3	0
	0.1a	-1	-1	3	-6	-8	-9	-6	-2	O i	0	0	_ 0	1	4	5	4	2	0
	BOT.	. 0	-5	-16	-25	-31	33	0	-1	-3	-5	6	-7	0	0	0	0	0	0

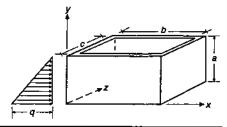
Moment = Coef. $\times qa^2/1000$



		Woment = Occi. × qa 7 1000														, ** Z			x
													<u></u> ⊢	- q →					
$\frac{b}{a} = 3.0, \frac{c}{a} =$	0.5		M	l _x Coe	fficie	nt			M	l, Coe	officie	nt			M	_{xy} Co	efficie	nt	
		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
	TOP	0	0.9b 0	0.8b 0	0.7b 0	0.6b 0	0	0	0.9b	0.85 0	0.7b 0	0.6b 0	Ö	6	0.9b 9	0.8b 5	0.7b 2	0.6b 1	0
	0.9a	-1	4	7	9	10	10	-6	2	3			2	5		5	2	1	0
	0.8a	-2	7	14	17	18	18	-12	3	6	5	4	4	5		4	2	1	0
Long Side	0.7a 0.6a	-3 -4	10 12	19 22	23 27	25 29	25 29	-17 -20	5	8	7 8	6 7	6	3 1	5 2	3 1	1	0	_ 0
Long Side	0.5a	-4	13	23	27	29	29	-22	7	9	8	7	6	1		1	1	0	0
	0.4a	-4	12	20	23	24	24	-22	6	8	7	6	5	3	5	3	1	0	0
	0.3a 0.2a	-4 -3	8	12 -2	13 -4	13 -5	13 -5	-20 -14	5 3	6	4	-1	3 -1	4 5	7 8	4	2 1	0	0
	0.1a	-1		-24	-29	-31	-31	-6	-2	-4	-6	-6	-6	4	- 6	3	1	Ŏ	0
	BOT.	0	-36	-57	-64	-66	-67	0	-7	-11	-13	-13	-13	0	0	0	0	0	0
			М	, Coe	fficien	ıt			M	, Coe	fficie	nt			М	yz Coe	efficie	nt	
	1	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	DORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c
	TOP	0		0.00	0.70	0.60	0	0	0.50	0.80	0.70	0.60	0	6	3	2	1	0.60	0
	0.9a	-1	-1	-1	-1	-1	-1	-6	-4	-3	-2	-1	-1	5	3	2	1	0	0
	0.8a 0.7a	-2 -3	-2 -3	-2 -3	-2 -3	-2 -3	-2 -3	-12 -17	-8 -11	-5 -7	-4 -5	-2 -3	-2 -2	5 3		1	0	0	0
Short Side	0.6a	-4	-4	-3	-3	-3	-3	-20	-14	-8	-5	-3	-2	1	Ö	Ò	ō	0	- 0
	0.5a	-4	-4	-3	-3	-2	-2	-22	-14	-8	-4	-2	-1	1	1	1	1	0	0
	0.4a 0.3a	-4 -4	-3 -2		-2 0	-1 1	-1 1	-22 -20	-14 -11	-7 +5	-3 -1	0	2	3			1	1,	0
	0.2a	-3	-1	1	2	3	3	-14	-7	-2	0	2	<u>-</u> 3	5	2	1	0	0	0
	0.1a	-1	1	2	2	3	3	-6	-2	0	1	1	2	4			1	1	0
	вот.	0	1	-1	-3	-4	-5	0	0	O	-1	-1	-1	0	0	0	D	0	0
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.5		М	, Coe	fficier	nt			М	, Coe	fficie	nt			М	_{xy} Coe	fficie	nt	
	-	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
	TOP	0	0.50	0.00	0.75	0.55	0	0	0.00	0.00	0.,0	0.00	0	1	9	9	6	3	0
	0.9a	-2	.1	4	6	8	8	-11	-1	2	3	3	3	1	9	8	5	3	0
	0.8a 0.7a	-4 -6	<u>2</u> 3	11	12 17	15 21	<u>16</u> 22	-20 -28	-2 -3	- 4 6	6 B	6 8	6 8	1 0	7 5	7 5	3	1	0
Long Side	0.6a	-7	4	14	21	24	25	-34	-3	7	10	10	9	0	Ž	2	1	٥	0
	0.5a	-7	5	15	22	25	26	-36	-3	8	10	10	9	0					
	0.4a 0.3a	-7 -6	5 4	14	19 12	13	23 13	-34 -28	-2 -1	7 6	9 6	8 5	8 	0	7	7	4	1 2	0
	0.2a	-4	1	1	-1	-2	-3	-18	0	3	2	1	1	1		7:	4	2	0
	0.1a BOT.	-1 0	-6 -19	-15 -41	-22 -54	-26 -60	-27 -62	- - -	-1 -4	-2 -8	-4 -11	-5 -12	-5 -12	0	_		3		0
	<u> </u>			10.7	3.37		-02	U		1.5	665		-12	·		1			
		CORNER		2 Coe	0.3c	0.4c	0.5c	CORNER		0.2c	fficier	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		CUANER	0.10 0.9c	0.80	0.7c	0.4c	0.50	CORNER	0.90	0.8c	0.7c	0.6c	0.50	COMMEN	0.90	0.8c	0.3c	0.6c	0.30
	TOP	0	0	O	O	0	Ö		0	0	0	0	0	1	7	9	. 7	4	0
	0.9a	-2 -4	0	2	4 8	5 10	6 11	-11 -20	-3 -5	1 2	3 6	7	- 4 7	1		8 7	6 5	3	D
	0.8a 0.7a	-6	1	_ 5 7	12	15	16	-28	-7	3	8	10	10	0		5	4	2	0
Short Side	0.6a	-7	1	9	14	18	19	-34	-8	. 4	10	11	12	0	2	2	1	1	0
	0.5a	-7 -7	1 2	10 10	16 15	19 18	21 19	-36 -34	-8 -6	5 5	10 9		12 11	0	3	1 4	1 3	1 2	
	0.4a	-6	2	7	11	12	13	-28	-4	4	7	8	. 8	0	6	7	5	3	0
	0.2a	-4	0	2	1	1	0	-18	-2	2	3		3	1	7		6	3	0
	0.1a BOT.	-1 0		-10 -31	-16 -44	-20 -51	-21 -53	-6 0	-	- <u>1</u> -6	-2 -9		-3 -11	0	-	6	4 0		
	5011			·		~ ~ .										<u>`</u>			

Tank Analysis Results

Moment = Coef. $\times qa^2/1000$



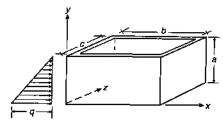
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.0		N	l _x Co∈	fficie	nt			M	y Coe	fficle	nt	•		M	l _{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5ზ
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	2	9	8	6	3	0
	0.9a	-2	1	4	7	8	8	-9	-1	2	3	3	3	2	9	8	5	2	0
	0.8a	-4	3	8	13	15	16	-18	-2	4	6	6	6	2	8	7	4	2	0
	0.7a	-5,	4	12	18	21	22	-25	-2	6	8	8	8	1	5	4	_ 3	1	0
Long Side	0.6a	-6	5	15	21	25	26	-30	-2	8	10	9	. 9	٥	2	2	1	0	0
•	0.5a	-6	5	16	22	25	26	-32	-1	8	10	10	9	1	1	1	1	1	0
	0.4a	-6	5	14	20	22	23	-31	-1	8	9	8	8	_ 1	4	4	3	1	0
	0.3a	-5	4	10	12	13	13	-27	0	6	6	5	5	2	7	6	4	2	0
	0.2a	-4	1	1	-1	-2	-3	-18	0	3	2	1	1	2	8	7	4	2	0
	0.1a	-1	-6	-16	-23	27	-28	-6	-1	-2	-4	-5	-5	1	7	5	3	1	0
	BOT.	0	-21	-42	-55	-61	-63	0	-4	-8	-11	-12	-13	0	0	0	Į ol	0	0
			M	- Coe	fficier	·+			M	Coe	fficier	nt			м	Cor	officie	nt	

M_{yz} Coefficient CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c TOP 0 Ö 0 0 0 0 ō 0 3 5 2 0.9a -1 ٥ 1 5 ō 6 2 3 -2 -18 -1 2 0.8a 0.7a -5 -2 1 3 5 -25 -10 -1 5 1 3 3 3 2 **Short Side** 0.6a -6 2 5 7 -30 -12 10 0 2 7 이 -2 3 9 10 -32 0 7 11 12 1 1 0 0.5a -6 -12 Ď, -1 4 8 10 11 10 11 2 2 0.4a -6 -31 -11 1 1 1 1 9 7 4 2 3 4 0.3a -5 0 4 10 -27 -8 6 9 9 4 4 2 0 1 5 0.2a 0 -18 -5 5 6 0 -3 -8 -9 -2 0 Ó 0 0 1 -1 -1 -6 -6 5 2 0 0.1a вот. -16 -25 -31 -3 -5 -6 0 ō

$\frac{b}{a} = 2.0, \frac{c}{a} =$	0.5		М	, Coe	fficie	nt			N	l, Coe	fficie	nt			M	l _{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	1
	TOP	0	0	0	0	0	0	0	0	0	0	Ö	0	6	10	8	5	2	Ó
	0.9a	-1	2	5	7.	8	8	-6	٥	3	3	3	3	5	9	8	5	2	Ö
	0.8a	-2	4	10	13	16	16	-12	1	5	6	6	6	4	8	6	4	Ź	0
	0.7a	-3	6	13	19	22	22	-17	1	7	8	8	8	3	- 6	4	2	1	0
Long Side	0.6a	-4	7	16	22	25	26	-20	1	8	10	9	9	1	2	2	1	0	0
	0.5a	-4	8	17	23	26	27	-22	2	9	10	9	9	1	1	1	1	1	0
	0.4a	-4	7	16	20	22	23	-22	2	8	9	8	8	3	4	4	3	1	0
	0.3a	-4	5	10	13	13	13	-20	2	6	6	5	5	4	7	6	4	2	0
	0.2a	-3	1	0	-1	-3	-3	-14	1	3	2	1	0	5	9	7	4	2	0
	0.1a	-1	-8	-17	-24	-27	-28	-6	-1	3	-4	5	-5	3	7	5	3	1	0
	BOT.	0	-25	-45	-57	-62	-63	0	-5	-9	-11	-12	-13	0	0	0	0	Ō	0

			М	, Coe	fficier	nt			M	, Coe	fficie	nt			М	yz Coe	efficle	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	. 6	3	2	1	0	0
	0.9a	-1	-1	-1	-1	-1	-1	-6	-4	-3	-2	1	-1	5	3	2	1	0	0
	0.8a	-2	-2	-2	-2	-2	-2	-12	-8	-5	-4	-2	-2	4	2	1	1	0	D
	0.7a	-3	-3	-3	-3	-3	-3	-17	-11	-7	-5	-3	-2	3	1.	1	0	0	0
Short Side	0.6a	-4	-4	-3	-3	၇	-3	-20	-14	-8	-5	-3	-2	1	0	. 0	0	0	
1405 200 200 200	0.5a	-4	-4	-3	-3	-2	-2		14	-8	-4	2	-1	1	1	1	1	0	0
	0.4a	-4	-3	-2	-2	-1	-1	-22	-14	-7	-3	0	0	3	2	2	1	. 1	0
	0.3a	-4	-2	-1	0	1	1	-20	-11	-5	-1	1	2	4	3	2	1	0	0
	0.2a	-3	-1	1	2	3	3	-14	-7	-2	0	2	3	5	2	1	0	0	Ö
	0.1a	-1	1	2	2	3	3	-6	-2	0	1	1	2	3	1	1	1	1	0
	BOT.	-0	1	-1	-3	-4	-5	0	0	0	-1	-1	-1	0	0	0	0	0	0

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 3.0, \frac{c}{a} =$	0.5		M	, Coe	efficie	nt			N	l, Coe	fficie	nt		_	М	_{xy} Co	officie	nt	
		CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b	CORNER	0.16	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.26	0.3ь	0.4Ь	0.5b
			0.9b	0.8b	0.7Ь	0.6b			0.9b	0.8ь	0.7b	0.6b		li	0.9ь	0.8b	0.7b	0.6b	1 ⁻ 1
	TOP	0	0	0	_ 0	0	0	٥	0	0	0	0	0	6	9	5	2	1	0
	0.9a	-1	4	7	9	10	10	-6	2	3	3	2	2	5.	9	5	2	1	0
	0.8a	-2	7	14	17	18	18	-12	3	6	5	4	4	5	7	4	2	1	0
	0.7a	-3	10	19	23	25	25	-17	5	8	7	6	6	3	5	3	1.	0	0
Long Side	0.6a	-4	12	22	27	29	29	-20	6	9	8	7	6	1	2	1	01	0	<u>_</u>
	0.5a	-4	13	23	27	29	29	-22	7	9	8	7	- 6	1	1	1	1	0	<u>~</u>
	0.4a	-4	12	20	23	24	24	-22	6	8	7	6	5	3	5	3	1	0	
	0.3a	-4	8	12	13	13	13	-20	5	6	4	3	3	4	7	4	2	<u> </u>	<u> </u>
	0.2a	-3	1	-2	-4	-5	-5	-14	3	1	0	-1	-1	5	- 8	4	1	0	<u>~</u> [
	0.1a	-1	-13	-24	-29	-31	-31	-6	-2	-4	-6	-6	-6	4	6	3	1	- 0	
	вот.	0	-36	-57	-64	-66	-6 7	. 0	-7	11	-13	-13	-13	0.	0	0	0	0	<u>_</u>

 M₂ Coefficient

 CORNER
 0.1c
 0.2c
 0.3c
 0

 0.9c
 0.8c
 0.7c
 0

My Coefficient

Myz Coefficient

		CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c	CORNER	0.1¢	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	٠.		0.9c	0.8c	_		0.00
[TOP	0	. 0	0	0	0	0	0	0	0	0	0.	0	6	3	2	1	0.00	jo
[0.9a	-1	-1	-1,	-1	-1	-1	-6	-4	-3	-2	-1	-1	5	3	2	1		
- [0.8a	-2	-2	-2	-2	-2	-2	-12	-8	-5	-4	-2	-2	5	2	1	- i	o	
[0.7a	-3	-3	-3	-3	-3	-3	-17	-11	-7	-5	-3	-2	3.	1	<u>i</u>	<u>, , , , , , , , , , , , , , , , , , , </u>	_ 0	
- [0.6a	-4	-4	-3	-3	-3	-3	-20	-14	-8	-5	-3	2	1	ó	<u>.</u>	0	ō	—,
- [0.5a	-4	-4	-3	-3	-2	-2	-22	-14		-4	.2	-1	1	- 1	- 1	- 1	- 0	
- [0.4a	-4	-3	-2	-2	-1	-1	-22	-14	-7	-3		 i	3	2	-	1	- 1	<u>_</u>
ı	0.3a	-4	-2	-1	ō	1:	1	-20	-11	-5	-1	1		4	3				
ı	0.2a	-3	-1	1	2	3	3	-14	-7	-2	 i	2	<u>-</u>	5	2		0	- 7	—-∺
ı	0.1a	-1	1	2	2	3	<u>-</u> 3	-6	-2	<u></u>	- -	1		4		- 1	_ 1	- 1	
ı	BOT.	0	1	-1	-3	-4	-5	ol	0	-	-1	- '		7	- '	- 1	- :	 	

Short Side

 $\frac{b}{a} = 2.0, \frac{c}{a} = 1.5$

M_x Coefficient

My Coefficient

M_{xy} Coefficient

	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b			0.9b	0.8ь	0.7b	0.6b	1		0.9b	0.8b	0.7b	0.6b	1
TOP	0	0	0	0	0	. 0	0	0	0	0	0	0	1	9	9	6	3	0
0.9a	-2	1	4	6	8	8	-11	-1	2	3	3	3	1	9	- 8	5	3	0
0.8a	4	2	8	12	15	16	-20	-2	4	6	6	6	1	7	7	4	2	<u></u>
0.7a	-6	3	11	17	21	22	-28	-3	6	8	8	8	Ö	5	5	3	1	- ň
0.6a	-7	4	14	21	24	25	-34	-3	7	10	10	9	Ö	2	2	1		- š
0.5a	-7	5	15	22	25	26	-36	-3	8	10	10	9	0	1	1	1	1	
0.4a	-7	5	14	19	22	23	-34	-2	7	9	8	8	ő	4	<u>.</u>			<u> </u>
0.3a	-6	4	10	12	13	13	-28	-1	6	6	5	5	0.	7				<u> </u>
0.2a	-4	1	1	-1	-2	-3	-18	0	3	2	1	1	1	8		-	- 2	
0.1a	-1	-6	-15	-22	-26	-27	-6	-1	-2	-4		-5	- :	- 7	5			;
вот.	0	-19	-41	-54	-60	-62	0	4	-8	-11	-12	_	- '	7	0	0		

Long Side

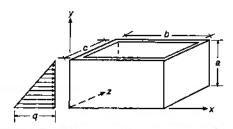
M, Coefficient

My Coefficient

Myz Coefficient

		CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4¢	0.5c	CORNER	0.1c	0.2c	0.3c	0.4¢	0.5c
			0.9c	0.8c	0.7c	0.6c		<u> </u>	0.9c	0.8c	0.7c	0.6c			0.9¢	0.8c	0.7c	0.6c	
	TOP	0	0	0	Ō	0	0	0	0	Ô	0	Ð	0	1	7	9	7	4	0
	0.9a	-2	0	_ 2	4	5	6	-11	-3	1	3	4	4	1	7	8	- 6	3	
- 1	0.8a	-4	0	. 5	8	10	11	-20	-5	2	6	7	7	1	6	7	5	3	
	0.7a	-6	. 1	7	12	15	16	-28	-7	3	8	10	10	0	5	5	4	2	<u>`</u>
	0.6a	-7	1	9	14	18	19	-34	-8	4	10	11	12	0	2	2	1		
[0.5a	-7	1	10	16	19	21	-36	-8	5	10	12	12	-01	ō	1	1		ŏ
	0.4a	-7	2	10	15	18	19	-34	-6	5	9	10	11	0	3	4	3		<u></u>
[0.3a	-6	2	7	11	12	13	-28	-4	4	7	8	8	ō	- 6	7	5	3	<u>_</u>
- [0.2a	-4	0	2	1	1	0	-18	-2	2	3	3	3	1	7	8	6	3	
- [0.1a	-1	-4	-10	-16	-20	-21	-6	-1	-1	-2	-3	-3	1	6	6	- 4	Ž	
	вот.	٥	-12	-31	-44	-51	-53	0	-2	-6	-9	-10	•11	Ó	0	-0	0	0	

Moment = Coef. $\times qa^2/1000$

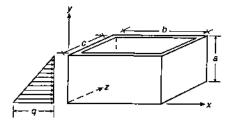


$\frac{b}{a}=2.0,\frac{c}{a}$	- 1.0		V	Ix Cos	efficie	nt			M	l, Cos	fficie	nt			M	l _{xy} Co	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.fb	0.2b	0.3b	0.4b	0.5b
	3-32		0.9b	0.8b	0.7b	0.6b		100	0.9b	0.8b	0.7ь	0.6b	375.03		0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	2	9	8	6	3	
	0.9a	-2	1	4	7	8	8	-9	1	2	3	3	3	2	. 9	8	5	2	2.77
	0.8a	-4	3	8	13	15	16	-18	-2	4	6	6	6	2	8	7	4	2	1
	0.7a	-5	4	12	18	21	22	-25	-2	6	8	8	8	1	5	4	3	1	1
ong Side	0.6a	-6	5	15	21	25	26	-30	-2	8	10	9	9	0	2	2	1	0	5
- 4, 1, 1	0.5a	-6	5	16	22	25	26	-32	-1	8	10	10	9	1	1	1	1	1	(2)
	0.4a	-6	5	14	20	22	23	-31	-1	8	9	8	8	1	4	4	3	1	
	0.3a	-5	4	10	12	13	13	-27	0	6	6	5	5	2	7	6	4	2	
	0.2a	-4	1	1	-1	-2	-3	-18	0	3	2	1	1	2	8	7	4	2	
	0.1a	-1	-6	-16	-23	-27	-28	-6	-1	-2	-4	-5	-5	1	7	5	3	1	
	BOT.	0	-21	-42	-55	-61	-63	0	-4	-8	-11	-12	-13	0	0	0	0	0	
			М	, Coe	fficien	ıt			М	y Coe	fficier	nt			М	yz Coe	efficie	nt	
		CORNER		-	2.7.4		0.50	CORNER			2211		0.50	COBNER					0.50
		CORNER	0.1c	0.2c	0.3c	0.4c	D.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.50
	TOP [*]	CORNER		-	2.7.4		D.5c	CORNER			2211		0.5c	CORNER 2	0.1c 0.9c	0.2c 0.8c		0.4c 0.6c	
	TOP 0.9a		0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c			0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c			0.1c	0.2c	0.3c 0.7c	0.4c 0.6c	
		0 -2 -4	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c 0	0.4c 0.6c	0	0	0.1c 0.9c 0	0.2c 0.8c	0.3c 0.7c 0	0.4c 0.6c	0	2	0.1c 0.9c 3	0.2c 0.8c 5 4	0.3c 0.7c	0.4c 0.6c	
	0.9a	0 -2	0.1c 0.9c 0 -1 -2 -2	0.2c 0.8c 0	0.3c 0.7c 0	0.4c 0.6c 0 2 3	0 2 4 6	0 -9	0.1c 0.9c 0	0.2c 0.8c 0	0.3c 0.7c 0 2	0.4c 0.6c 0	0	2	0.1c 0.9c 3	0.2c 0.8c 5 5 4	0.3c 0.7c	0.4c 0.6c 3	1
Short Side	0.9a 0.8a	0 -2 -4 -5 -6	0.1c 0.9c 0 -1 -2 -2 -2	0.2c 0.8c 0 0 0 1	0.3c 0.7c 0 1 2 3 5	0.4c 0.6c 0 2 3 5	0 2 4 6 8	0 -9 -18 -25	0.1c 0.9c 0 -4 -7	0.2c 0.8c 0 0	0.3c 0.7c 0 2 4 5	0.4c 0.6c 0 3 6 8	0 3 6 9	2 2 2	0.1c 0.9c 3 3	0.2c 0.8c 5 4	0.3c 0.7c 4 4 4	0.4c 0.6c 3 2	1
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a	0 -2 -4 -5 -6	0.1c 0.9c 0 -1 -2 -2 -2 -2	0.2c 0.8c 0 0 0 1 2	0.3c 0.7c 0 1 2 3 5	0.4c 0.6c 0 2 3 5 7	0 2 4 6 8	0 -9 -18 -25 -30 -32	0.1c 0.9c 0 -4 -7 -10 -12	0.2c 0.8c 0 0 -1 -1	0.3c 0.7c 0 2 4 5 6 7	0.4c 0.6c 0 3 6 8 10	0 3 6	2 2 2 2	0.1c 0.9c 3 3 3	0.2c 0.8c 5 5 4 3 2	0.3c 0.7c 4 4 4 3	0.4c 0.6c 3 2 2	
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -2 -4 -5 -6 -6	0.1c 0.9c 0 -1 -2 -2 -2 -2 -1	0.2c 0.8c 0 0 0 1 2 3	0.3c 0.7c 0 1 2 3 5 7	0.4c 0.6c 0 2 3 5 7 9	0 2 4 6 8 10	0 -9 -18 -25 -30 -32 -31	0.1c 0.9c 0 -4 -7 -10 -12 -12	0.2c 0.8c 0 0 -1 -1	0.3c 0.7c 0 2 4 5 6 7	0.4c 0.6c 0 3 6 8 10 11	0 3 6 9	2 2 2 1 0 1	0.1c 0.9c 3 3 3 2 1	0.2c 0.8c 5 4 3 2 0	0.3c 0.7c 4 4 4 3	0.4c 0.6c 3 2 2 2	
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	0 -2 -4 -5 -6 -6 -6	0.1c 0.9c 0 -1 -2 -2 -2 -2 -1 0	0.2c 0.8c 0 0 0 1 2 3 4	0.3c 0.7c 0 1 2 3 5 7	0.4c 0.6c 0 2 3 5 7 9 10	0 2 4 6 8 10 11	0 -9 -18 -25 -30 -32 -31 -27	0.1c 0.9c 0 -4 -7 -10 -12 -11 -8	0.2c 0.8c 0 0 -1 -1 0 0 1	0.3c 0.7c 0 2 4 5 6 7 7	0.4c 0.6c 0 3 6 8 10 11 10 9	0 3 6 9 11 12 11	2 2 2 1 0 1 1 2	0.1c 0.9c 3 3 3 2 1 1	0.2c 0.8c 5 5 4 3 2 0	0.3c 0.7c 4 4 4 3 2 0	0.4c 0.6c 3 2 2 2 1 0 1	
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -2 -4 -5 -6 -6 -6 -5 -4	0.1c 0.9c 0 -1 -2 -2 -2 -2 -1 0	0.2c 0.8c 0 0 0 1 2 3 4 4	0.3c 0.7c 0 1 2 3 5 7 8 7	0.4c 0.6c 0 2 3 5 7 9 10 9	0 2 4 6 8 10 11 10 4	0 -9 -18 -25 -30 -32 -31 -27 -18	0.1c 0.9c 0 -4 -7 -10 -12 -11 -8 -5	0.2c 0.8c 0 0 -1 -1 0 0 1 1	0.3c 0.7c 0 2 4 5 6 7 7 6 4	0.4c 0.6c 0 3 6 8 10 11 10 9	0 3 6 9 11 12 11 9	2 2 2 1 0 1	0.1c 0.9c 3 3 3 2 1 1 3	0.2c 0.8c 5 5 4 3 2 0 2 4 6	0.3c 0.7c 4 4 4 3 2 0 2 4 5	0.4c 0.6c 3 2 2 1 0 1 2	0.50
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	0 -2 -4 -5 -6 -6 -6	0.1c 0.9c 0 -1 -2 -2 -2 -2 -1 0	0.2c 0.8c 0 0 0 1 2 3 4	0.3c 0.7c 0 1 2 3 5 7	0.4c 0.6c 0 2 3 5 7 9 10	0 2 4 6 8 10 11	0 -9 -18 -25 -30 -32 -31 -27	0.1c 0.9c 0 -4 -7 -10 -12 -11 -8	0.2c 0.8c 0 0 -1 -1 0 0 1	0.3c 0.7c 0 2 4 5 6 7 7	0.4c 0.6c 0 3 6 8 10 11 10 9	0 3 6 9 11 12 11	2 2 2 1 0 1 1 2	0.1c 0.9c 3 3 3 2 1 1	0.2c 0.8c 5 5 4 3 2 0	0.3c 0.7c 4 4 4 3 2 0	0.4c 0.6c 3 2 2 2 1 0 1	1

$\frac{D}{a} = 2.0, \frac{c}{a} =$	0.5		M	, Coe	fficie	nt			M	l _y Coe	efficie	nt			M	l _{xy} Co	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	O.Ob	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	<u> </u>		0.9b	0.8b	0.7ь	0.6b]
	TOP	0	0	0	0	0	0	0	0	D	0	0	0	6	10	8	5	2	0
	0.9a	-1	2	5	7	8	8	-6	0	3	3	3	3	5	. 9	8	5	2	0
	0.8a	-2	4	10	13	16	16	-12	1	5	6	6	6	4	8	6	4	2	0
	0.7a	-3	6	13	19	22	22	-17	1	7	8	8	8	3	6	4	2	1	0
Long Side	0.6a	-4	7	16	22	25	26	-20	1	. 8	10	9	9	1	2	2	1	0	0
•	0.5a	-4	8,	17	23	26	27	-22	2	9	10	9	9	1	1	1	1	1	0
	0.4a	-4	7	16	20	22	23	-22	2	8	9	8	8	3	4	4	3	1	0
	0.3a	-4	5	10	13	13	13	-20	2	6	_ 6	5	5	4	7	6	4	2	0
	0.2a	-3	1	0	-1	-3	-3	-14	1	3	2	1	0	5	9	7	4	2	0
	0.1a	-1	-8	-17	-24	-27	-28	-6	-1	-3	-4	-5	-5	3	7	5	3	1	0
	вот.	0	-25	-45	-57	-62	-63	0	-5	-9	-11	-12	-13	0	0	.0	0	0	0

			M	, Coe	fficier	ıt			M	l _y Coe	fficie	nt			М	yz Co	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	0	0	0	0	0	0	0	0	Ō	0	0	. 0	6	3	2	1,	0	Ō
	0.9a	-1	-1	-1	-1	-1	-1	-6	-4	-3	-2	-1	-1	5	3	2	1	0	0
	0.8a	-2	-2	-2	-2	-2,	-2	-12	-8	-5	-4	-2	-2	4	2	1	1	0	0
	0.7a	-3	-3	-3	-3	-3	-3	-17	-11	-7	-5	-3	-2	3	1	1	0	0	0:
Short Side	0.6a	-4	-4	-3		-3	3	-20	-14	-8	-5	-3	-2	1	0	0	0	0	0
	0.5a	-4	-4	-3,	-3	-2	-2	-22	-14	-8,	-4	-2	-1	1	f	1	1	0	0
	0.48	-4	-3	-2	-2	-1	-1	-22	-14	-7	-3	. 0	0	3	2	2	1	1	0
	0.3a	-4	-2	-1	0	1	1	-20	-11	-5	-1	1	2	4	3	2	1	ō	0
	0.2a	-3	-1	1	2	3	3	-14	-7	-2	0	2	3	5	2	1	0	0	0
	0.1a	-1	1	2	2	3	3	-6	-2	D	1	1	2	3	1	1	1	1	0
	BOT.	0	1	1	3	-4	-5	0	0	D	-1	-1.	-1	0	0	ō	0	0	0

Moment = Coef. $\times qa^2/1000$



M_{y2} Coefficient

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$\frac{b}{a} = 1.5, \frac{c}{a} =$	1.0		M	_x Coe	fficie	nt			М	, Coe	fficie	nt			М	_{xy} Co	efficie	лt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4ь	0.5b
		l	0.9b	0.8b	0.7b	_0.6b			0.96	0.8ხ	0.7b	0.6b	l		0.9b	0.8ь	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	Ó	0	0	2	8	8	6	3.	0
	0.9a	-2	1	3	4	6	6	-9	-2	1,	3	4	4	2	8	8	6	3	0
	0.8a	-3	1	5	9	11	12	-17	-4	3	6	7	7	1	7	7	51	3	0
	0.7a	-5	2	8	12	15	16	-24	-5	4	8	10	10	1	5	5	3	2	0
Long Side	0.6a	-6	2	9	15	19	20	-29	-6	5	10,	11	12	0	2	2	1	11	<u>_</u>
	0.5a	-6	2	11	17	20	21	-32	-6	6	10	12	12	0	0	1	1	1	0
	0.4a	-6	3	_ 10	15	18	. 19	-31	-5	6	9	10	11	1	3	4	3	2	<u></u>
	0.3a	-5	2	8	11	12	13	-26	-3	5	7	7	7	1	6	7	5	2	ō
	0.2a	-4	0	2	1	0	0	-18	-2	3	3	3	3	1	8	8	5.	3	<u> </u>
	0.1a	-1	-4	-11	-16	-20	-22	-6	-1	-1	-2	-3	-3	1	7	6	4	2	0
	BOT.	0	-14	-32	-45	-52	-54	0	-3	-6	-9	-10	-11	0	0		0	0	0

My Coefficient

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-7 -10 -11

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CORNER 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c 0.9c 0.8c 0.7c 0.60 0.8c 0.7c 0.9c 0.8c 0.7c 0.6c 0.9c 0.6c TOP 0 0 ٥ 0 0 0 0.9a -2 -4 0 2 3 0.8a -3 -1 1 2 3 -17 -7 6 0.7a -5 'n 1 4 5 -24 -10 0 5 8 **Short Side** 0.6a -6 2 10 -29 <u>-11</u> 0 7 11 이 0.5a -6 -2 3 7 9 10 7 -32 -12 0 11 12 0 0.4a -6 -11 4 8 10 11 -31 -11 1 11 11 1 0.3a -5 0 9 10 2 -26 -8 6 1 9

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M_z Coefficient

0.2a

0.1a

BOT.

вот.

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0 -18 -36

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$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5		M	, Coe	fficie	nt			М	, Coe	fficie	nt			M	xy Coe	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	_	
	TOP	0	0	0	Ō	0	. 0	0	0	0	0	0	0	5	9	9	6	3	0
	0.9a	-1	. 1	3	5	6	6	-6	-1	2	3	4	4	5	9	8	6	3	0
	0.8a	-2	2	7	10	12	13	-11	•1	4	6	7	7	4	7	7	- 5	2	0
	0.7a	-3	3	9	_ 14	17	18	-16	•2	6	9	10	10	3	5.	5	3	2	<u>-</u>
Long Side	0.6a	-4	4	12	17	20	21	-20	-2	7	10	11	11	1	3	2	1	1	0
_	0.5a	-4	5	13	18	21	22	-22	-1,	7	11	11	12	1	1	1	1	1	<u></u>
	0.4a	-4	5	12	17	19	20	-22	-1	7	10	10	10	3	4	4	3		0
	0.3a	-4	3	9,	11	13	13	-20	0	6	7	7	7	4	7	7	- 5	2	<u>_</u>
	0.2a	-3	0	1	1	0	-1	-14	0	3	3	3	2	4	8	7	5	2	ŏ
	0.1a	-1	-6	12	-18	-22	-23	-6	-1	-1	-3	-4	-4	3	7	- 6	4	2	<u></u>

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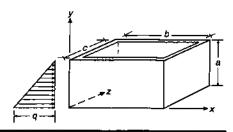
M. Coefficient My Coefficient Myz Coefficient CORNER 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c CORNER 0.1c 0.2c 0.3c 0.4c 0.5c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.9c 0.8c 0.7c

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-54

TOP	0	0	0	0	0	. 0	0	0	0	O O	0	0	5	3	2	1	01	Ö
0.9a	-1.	-1	-1	-1	-1	-1	-6	-4	-3	-2	-1	-1	5	3	2	1	0	_ <u>`</u>
0.8a	-2	-2	-2	-2	-2	-2	-11	-8	-5	-3	-2	-2	4	2	1	1	0	-6
0.7a	-3	-3	-3	-3	-3	-2	-16	-11	-7	-4	-3	-2	3	1	1	o	ō	
0.6a	-4	-4	-3	-3	-3	-3	-20	-13	-8	-5	-3	-2	1	O i	0	0	0	— <u>-</u>
0.5a	-4	-4	-3	-3	-2	-2	-22	-14	-8	-4	-2	-1	1	1	1	1	0	ō
0.4a	-4	-3	-2	-2	-1	-1	-22	-13	.7	-3	0	1	3	2	2	1	1	
0.3a	-4	-2	-1	0	1	1	-20	-11	-5	-1	1	2	4	3	2	1	0	<u></u>
0.2a	-3	-1	1	2	3	3	-14	-7	-2	0	2	3	4	2	1	0	0	<u></u>
0.1a	-1	1	2	2	3	3	-6	-2	0	1	1	2	3	1	1	1.	1	-
BOT.	0	1	-1	-3	-4	5	0	ol	o	-1.	-1	-1	oi	0	0	0	0	

Moment = Coef. $\times qa^2/1000$



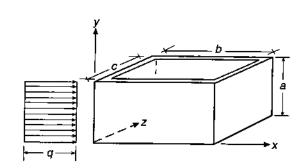
$\frac{b}{a} = 1.0, \frac{c}{a} =$	0.5		M	l _x Coe	fficie	nt			M	l, Coe	fficie	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	<u> </u>	<u> </u>	0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	_ 0	0	4	6	6	5	_ 3	0
	0.9a	-1	0	1	2	3	3	-5	-1	1	3	4	4	4	6	6	5	2	0
	0.8a	-2	1	3	4	6	6	-9	-2	2	5	7	7	3	5	5	4	2	0
	0.7a	-3	1	4	7	8	9	-13	-3	3	7	9	10	2	4	4	3	2	0
Long Side	0.6a	-3,	1	5	8	10	11	-17	-4	4	9	11	12	1	2	2	2	1	0
- 11107	0.5a	-4	1	6	10	12	13	-19	-4	5	10	12	13	0	0	0	0	0	0
	0.4a	-4	2	6	10	12	13	-20	-4	5	9	11	12	2	2	2	2	1	0
	0.3a	-4	1	5	8	10,	11	-18	-3	4	8	9	9	3	5	5	4	2	0
	0.2a	-3	0	2	3	3	3	-14	-2	3	4	. 5	5	3	6	6	5	3	0
	0.1a	-1	-3	-6	-9	-11	-12	-6	-1	. D	0	-1	-1	3	6	6	4	2	0
	BOT.	0	-10	-22	-31	-37	-39	0	-2	-4	-6	7	-8;	0	0	0	0	0	0

		M	, Coe	fficier	nt			M	l _y Coe	tficie	nt			М	yz Co	efficie	nt	
	CORNER	0.1c	0.2c	0.3c	0.40	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1¢	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	0	Ö	0	0	0	0	0	4	2	1	1	0	0
0.9a	-1	-1	-1	-1	-1	-1	-5	-3	-2	-1	-1	-1	4	2	1	0	0	0
0.8a	-2	-2	-1	-1	-1	-1	-9	-6	-4	-2	-1	-1	3	2	1	0	o	0
0.7a	-3	-2	-2	-2	-2	-2	-13	-9	-5	-3	-1	-1	2	1	0	0	0	. 0
0.6a	-3	-3	-2	-2	-2	-2	-17	-11	-6	-3	-1	0	1	0	0	0	0	Ö
0.5a	-4	-3	-2	-2	-1	-1	-19	-12	-6	-2	0	1	0	1	1	1	0	0
0.4a	-4	-3	-2.	-1	0	0	-20	-12	-5	-1	1	2	2	2	1	1	0	0
0.3a	-4	-2	1	0	1	1	-18	-10	-4	0	2	3	3	2	1	1	D	0
0.2a	-3	-1	1	2	3,	3	-14	-6	-2	1	3	3	3	t	0	0	0	0
0.1a	-1	0	1	2	2	2	-6	-2	0	1	1	2	3	0	1	1	1	0
вот.	0	0	-2	-4	-6	-6	0	0	0	-1	-1	-1	0	0	0	0	0	0

CASE 5

Deflection =
$$\frac{C_d q a^4}{1000 D}$$

 $D = \frac{Et^3}{1000 D}$



Deflection Coefficients, C_d

Long Side - Along Midheight (y = a/2)

	X	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a	C/8		0.9b	0.8b	0.7b	0.6b	
4.0	3.0	0	4.60	9.30	11.60	12.40	12.70
4.0	2.0	0	4.70	9.30	11.60	12.50	12.70
4.0	1.5	0	4.80	9.40	11.60	12.50	12.70
4.0	1.0	0	5.20	9.60	11.70	12.50	12.70
4.0	0.5	0	5.60	9.90	11.80	12.50	12,70
3.0	2.0	0	3.20	7.30	10.00	11.30	11.70
3.0	1.5	0	3.30	7.40	10.00	11.30	11.70
3.0	1.0	0	3.70	7.70	10.20	11.40	11.80
3.0	0.5	0	4.10	8.00	10.40	11.60	11.90
2.0	1.5	0	1.70	4.40	6.70	8.10	8.50
2.0	1.0	0	2.10	4.80	7.00	8.40	8.80
2.0	0.5	0	2.50	5.30	7.40	8.70,	9.10
1.5	1.0	0	1.20	2.90	4.40	5.40	5.70
1.5	0.5	0	1.60	3.40	5.00	5.90	6.30
1.0	0.5	0	0.60	1.40	2.00	2.50	2.60

Short Side - Along Midheight (y = a/2)

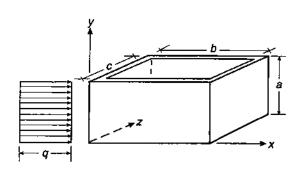
							_
	z	END	0.1¢	0.2c	0.3c	0.4¢	0.5c
b/a	c/a		0.9c	0.8c	0.7c	0.6c	
4.0	3.0	0	3.10	7.20	9.90	11.30	11.70
4.0	2.0	0	1.50	4.20	6.50	7.90	8.40
4.0	1.5	o	0.70	2.30	3.80	4.80	5.10
4.0	1.0	0	-0.10	0.30	0.70	1.10	1.20
4.0	0.5	0	-0.40	-0.60	-0.70	-0.80	-0.80
3.0	2.0	0	1.50	4.20	6.50	7.90	8.40
3.0	1.5	. 0	0.70	2.30	3.80	4.80	5.10
3.0	1.0	0	-0.10	0.30	0.70	1.10	1.20
3.0	0.5	0	-0.40	-0.60	-0.70	-0.80	-0.80
2.0	1.5	0	0.70	2.30	3.80	4.80	5.20
2.0	1.0	0	-0.10	0.30	0.80	1.10	1.20
2.0	0.5	0	-0.30	-0.60	-0.70	-0.70	-0.80
1.5	1.0	0	0.00	0.50	0.90	1.30	1.40
1.5	0.5		-0.30	-0.50	-0.60	-0.60	-0.70
1.0	0.5	0	-0.20	-0.30	-0.30	-0.30	-0.30

CASE 5

Hinged Top Hinged Base

Deflection =
$$\frac{C_d q a^4}{1000 D}$$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

Long Side - Along Midspan (x = b/2)

b/a	c/8	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	2.0	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	1.5	0	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	1.0	o	4.00	7.50	10.30	12.10	12.70	12.10	10.30	7.50	4.00	0
4.0	0.5	O	4.00	7.60	10.40	12.10	12.70	12.10	10.40	7.60	4.00	o
3.0	2.0	0	3.70	7.00	9.50	11.10	11.70	11.10	9.50	7.00	3.70	0
3.0	1.5	0	3.70	7.00	9.50	11.20	11.70	11.20	9.50	7.00	3.70	
3.0	1.0	0.	3.70	7.00	9.60	11.20	11.80	11.20	9.60	7.00	3.70	0
3.0	0.5	o	3.70	7.10	9.70	11.40	11.90	11.40	9.70	7.10	3.70	0
2.0	1.5	0	2.70	5.10	7.00	8.10	8.50	8.10	7.00	5.10	2.70	0
2.0	1.0	0	2.80	5.30	7.20	8.40	8.80	8.40	7.20	5.30	2.80	
2.0	0.5	0	2.90	5.50	7.50	8.70	9.10	8.70	7.50	5.50		0
1.5	1.0	0	1.80	3.40	4.70	5.50	5.70	5.50	4.70	3.40	1.80	
1.5	0.5	0	2.00	3.80	5.10	6.00	6.30	6.00	5.10	3.80	2.00	0
1.0	0.5	0	0.90	1.60	2.20	2.50	2.60	2.50	2.20	1.60	0.90	0

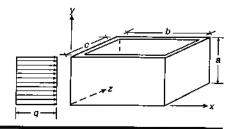
Short Side - Along Midspan (z = c/2)

b/a	c/8	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	3.70	6.90	9.50	11.10	11.70	11.10	9.50	6.90	3.70	0
4.0	2.0	0	2.70	5.00	6.90	8.00	8.40	8.00	6.90	5.00	2.70	0
4.0	1.5	0	1.60	3.10	4.20	4.90	5.10	4.90	4.20	3.10	1.60	0
4.0	1.0	0	0.40	0.80	1.00	1.10	1.20	1.10	1.00	0.80	0.40	0
4.0	0.5	0	-0.20	-0.40	-0.60	-0.80	-0.80	-0.80	-0.60	-0.40	-0.20	0
3.0	2.0	0	2.70	5.00	6.90	8.00	8.40	8.00	6.90	5.00	2.70	0
3.0	1.5	0	1.60	3.10	4.20	4.90	5.10	4.90	4.20	3.10	1.60	0
3.0	1.0	0	0.40	0.80	1.00	1.10	1.20	1.10	1.00	0.80	0.40	0
3.0	0.5	0	-0.20	-0.40	-0.60	-0.80	-0.80	-0.80	-0.60	-0.40	-0.20	0
2.0	1.5	o	1.70	3.10	4.20	4.90	5.20	4.90	4.20	3.10	1.70	0
2.0	1.0	0	0.40	0.80	1.10	1.20	1.20	1.20	1.10	0.80	0.40	0
2.0	0.5	0	-0.20	-0.40	-0.60	-0.70	-0.80	-0.70	-0.60	-0.40	-0.20	0
1.5	1.0	.0	0.50	0.90	1.20	1.40	1.40	1.40	1.20	0.90	0.50	0
1.5	0.5	0	-0.20	-0.40	-0.50	-0.60	-0.70	-0.60	-0.50	-0.40	-0.20	0
1.0	0.5	0	-0.10	-0.20	-0.30	-0.30	-0.30	-0.30	-0.30	-0.20	-0.10	0

CASE 5

Hinged Top Hinged Base

 $Moment = Coef. \times qa^2/1000$



$\frac{b}{a}$ = 4.0, $\frac{c}{a}$ =	3.0		M	, Coe	fficie	nt			M	l _y Coe	fficie	nt			М	_{xy} Co	efficle	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	/ I
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	4	37	21	9	3	0
	0.9a	-9	20	35	41	_ 43	44	-45	7	12	11	10	10	3	35	20	- 8	э	0
	0.8a	-16	32	60	73	77	78	-80	12	21	19	18	17	2	30	17	7	2	0
	0.7a	-21	39	78	95	101	103	-105	15	28	25	23	22	2	22	12	5	2	O
Long Side	0.6a	-24	43	88	108	115	117	-120	17	32	29	27	26	1	11	7	3	1	0
	0.5a	-25	45	91	112	120	122	-125	18	34	31	28	27	0:	0	0	0	0	0
	0.4a	-24	43	88	108	115	117	-120	17	32	29	27	26	1	11	7	3	1	ō
	0.3a	-21	39	78	95	101	103	-105	15	28	25	23	22:	2	22	12	5	2	0
	0.2a	-16	32	60	73	77 !	78	-80	12	21	19	18	17	2	30	17	7	2	Ö.
	0.1a	-9	20	35	41	43	44	-45	7	12	11	10	10	3	35	20	8	Э.	0
	вот.	0	0	D	0	0	0	0	D	0	0	0	0	4	37	21	9	3	0

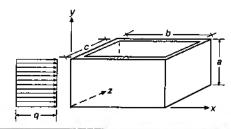
Short Side

		M	, Coe	fficier	it			M	l _y Coe	efficie	nt			М	yz Co	efficie	nt	
	CORNER	0.10	0.2¢	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9¢	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	0	Ő,	0	0	0	0	Ô	0	0	0	0	0	4	38	30	17	7	0
0.9a	-9	14	. 28	36	40	41	-45	2	11	12	11	11	3	36	28	16	7	0
0.8a	-16	21	48	64	71	73	-80	3	20	21	20	19	2	30	24	14	6	O
0.7a	-21	25	62	83	93	96	-105	3	26	28	27	26	2	22	17	10	4	ō
0.6a	-24	27	69	94	106	109	-120	3	30	32	31	30	1	12	9	5	2	0
0.5a	-25	28	72	98	110	114	-125	3	31	34	32	31	0	0	0	0	Ö	Ö
0.4a	-24	27	69	94	106	109	-120	3	30	32	31	30	1	12	9	5	2	0
0.3a	-21	25	62	83	93	96	-105	3	26	28	27	26	2	22	17	10	4	ō
0.2a	-16	21	48	64	71.	73	-80	3	20	21,	20	19	2	30	24	14	6	0
0.1a	-9	14	28	36	40	41	-45	2	11	12	11	11	3	36	28	16	7	0
BOT.	0	0	0	0	0	0	0	0	٥	0	0	0	4	38	30	17	7	0

$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		M	, Coe	fficie	nt			M	l, Coe	fficier	nt			М	_{xy} Coe	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7Ь	0.6b			0.9b	0.8b	0.7ь	0.6b			0.9b	0.8b	0.7b	0.6b	1 1
	TOP	0	0	0	0	0	Ö	0	0,	0	0	0	0	5	37	20	9	3	0
	0.9a	-9	20	35	41	44	44	-44	7	12	11	10	10	4	35	20	8	3	0
	0.8a	-16	32	60	73	77	78	-78	12	21	19	18	17	3	30	17	7	2	0
	0.7a	-20	40	78	95	101	103	-102	16	28	25	23	22	2	22	12	5	2	0
Long Side	0.6a	-23	44	88	108	115	117	-117	18	32	29	27	26	1	11	7	3	1	0
A. 1. 1. 1. 2. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	0.5a	-24	45	92	112	120	122	-122	18	34	30	28	27	0	0	Ö	0	0	0
	0.4a	-23	44	88	108	115	117	-117	18	32	29	27	26	1	11	7	3	1	0
	0.3a	-20	40	78	95	101	103	-102	16	28	25	23	22	2	22	12	5	2	0
	0.2a	-16	32	60	73	77	78	-78	12	21	19	18	17	3	30	17	7	2	ō
	0.1a	-9	20	35	41	44	44	-44	7	12	11	10	10	4	35	20	8	3	0
	BOT.	0	ol	ol	0	0	0	0	Oi	0	٥	0,	0	5	37	20	9	3	0

			М	, Coe	fficler	et			М	y Coe	fficie	nt			М	yz Coi	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3¢	0.4c	0.5c
_			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c		h	0.9c	0.8c	0.7c	0.6c	
[TOP	0	0	0	0	0	0	0	0	0	o	0	0	5	33.	34	24	12	0
	0.9a	-9	7	19	26	31	32	-44	-5	8	12	13	13	4	31	32	23	12	0
	0.8a	-16	. 9	30	45	53	56	-78	-11	13	22	24	24	3	26	27	19	10	Ö
	0.7a	-20	9	37	57	68	72	-102	-16	17	29	32	33	2	18	19	14	7	0
	0.6a	-23	9	40	63	77	81	-117	-20	19	33	37	38	1	9	10	8	4	0
	0.5a	-24	9	41	65	80	84	-122	-21	20	35	39	39	Ó	0	0	0	0	0
	0.4a	-23	9	40	63	77	81	-117	-20	19	33	37	38	1	9	10	8	4	0
	0.3a	-20	9	37	57	68	72	-102	-16	17	29	32	33	2	18	19	14	7	0
	0.2a	-16	9	30	45	53	56	-78	-11	13	22	24	24	3	26	27	19	10	0
	0.1a	-9	7	19	26	31	32	-44	-5	8	12	13	13	4	31	32	23	12	0
[BOT.	0.	0	0	. 0	0	0	0	0	0	0	0	0	5	33	34	24	12	ō

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 4.0, \frac{c}{a} :$	= 1.5		N	I _x Cos	fficie	nt			M	l, Coe	fficie	nt			M	l _{xy} Co	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
	(= = = 1	200	0.9b	0.8b	0.7b	0.6b	200		0.9b	0.8b	0.7b	0.6b		12 200	0.9b	0.8b	0.7b	0.6b	1
	TOP	0	0	0	0	0	0	0	0	. 0	0	0	0	8	37	20	8	3	0
	0.9a	-8	20	35	41	44	44	-42	7	12	11	10	10	7	35	19	8	3	0:
	0.8a	-15	33	61	73	77	78	-74	13	21	19	18	17	5	30	16	7	2	0
	0.7a	-19	41	79	95	101	103	-96	17	28	25	23	22	4	21	12	5	2	0
Long Side	0.6a	-22	45	89	108	116	117	-110	19	32	29	27	26	2	11	6	3	- 1	0
	0.5a	-23	47	92	113	120	122	-114	19	34	30	28	27	0	0	0	0	0	0
	0.4a	-22	45	89	108	116	117	-110	19	32	29	27	26	2	11	6	3	1	0
	0.3a	-19	41	79	95	101	103	-96	17	28	25	23	22	4	21	12	5	2	o
	0.2a	-15	33	61	73	77	78	-74	13	21	19	18	17	5	30	16	7	2	0
	0.1a	-8	20	35	41	44	44	-42	7	12	11	10	10	7	35	19	8	3	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	8	37	20	8	3	Ö

M_z Coefficient

Short Side

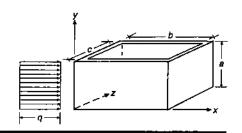
	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.30	0.4c	0.50
		0.9c	0.8c	0.7c	0.6c			0.90	0.8c	0.7c	0.6c	<u> </u>		0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	0	0	0	0	Ö	0	0	8	24	28	22	12	D
0.9a	-8	3	12	18	22	23	-42	-9	4	11	13	14	7	22	27	21	11	0
0.8a	-15	2	17	29	36	38	-74	-19	7	19	24	25	5	18	22	18	10	0
0.7a	-19	D	20	35	44	47	-96	-27	8	25	32	34	4	12	16	13	7	0
0.6a	-22	-1	20	38	48	52	-110	-32	8	28	37	39	2	6	8	7	4	0
0.5a	-23	-1	21	38	50	53	-114	-34	9	29	38	41	0	0	0	0	0	ō
0.4a	22	-1.	20	38	48	52	-110	-32	. 8	28	37	39	2	6	8	7	4	0
0.3a	-19	0	20	35	44	47	-96	-27	8	25	32	34	4	12	16	13	7	0
0.2a	-15	2	17	29	36	. 38	-74	-19	7	19	24	25	5	18	22	18	10	0
0.1a	-8	3	12	18	22	23	-42	-9	4	11	13	14	7	22	27	21	11	0
BOT.	0	0	0	0	0	0	0	0	0	0	0	D	8	24	28	22	12	

My Coefficient

$\frac{b}{a} = 4.0, \frac{c}{a} =$	1.0		M	l _x Coe	fficie	nt			M	l _y Coe	fficie	nt			М	_{xy} Co	efficle	nt	
		CORNER	0.1b	0.2b	0.3b	0.46	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	D	Ö	0	0	0	0	0	0	0	0	15	36	19	8	3	D
	0.9a	-7	21	36	41	44	44	-36	8	12	11	10	10	14	34	18	8	3	0
	0.8a	-12	35	62	73		. 78	-62	15	21	19	17	17	11	29	16	6	2	0
	0.7a	-16	44	80	96	101	103	-81	19	28	25	23	22	8	21	11	5	2	0
Long Side	0.6a	-18	49	91	109	116	117	-92	21	32	29	26	26	4	11	6	3	1	0
	0.5a	-19	50	94	114	121	122	-95	22	34	30	27	27	0	D	0	0	0	0
	0.4a	-18	49	91	109	116	117	-92	21	32	29	26	26	4	11	6	3	1,	0
	0.3a	-16	44	80	96	101	103	-81	19	28	_ 25	23	22	8	21	11	5	2	0
	0.2a	-12	35	62	73	77	78	-62	15	21	19	17	17	11	29	16	6	2	0
	0.1a	-7	21	36	41	44	44	-36	8	12	11	10	10	14	34	18	8.	3	0
	BOT.	ol	0	0	0	0	0:	0	0	0	Q	0	0	15	36	19	8	3	0

			М	, Coe	fficier	nt			M	, Coe	fficie	nt			M	yz Co	efficie	nt	
		CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNÉR	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.50
			0.9c	28.0	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	0	Ó	0	0.	0	0	. 0	. 0	0	0	0	0	15	7	13	12	7	0
[0.9a	-7	-1	4	. 7	9	10	-36	-13	-1	6	9	. 10	14	6	12	11	6	0
[0.8a	-12	-5	3	. 9	13	14	-62	-25	-3	9	16	18	11	4	9	9	5	0
[0.7a	-16	-8	1	8	13	14	-81	-35	-6	11	20	23	8	2	6	6	4	0
	0.6a	-18	-10	0	7	12	14	-92	-41	-8	12	23	26	4	1	3	3,	2	0
[0.5a	-19	-10	-1	7	12	14	-95	-43	-9	13	24	27	0	0	0.	0	0	0
[0.4a	-18	-10	0	7.	12	14	-92	-41	-8	12	23	26	4	1	3	3	ž	0
	0.3a	-16	-8	1	8	13	14	-81	-35	-6	11	20	23	8	2	6	6	4	0
	0.2a	-12	-5	_ 3	9	13	14	-62	-25	-3	9	16	18	11	4	9	9	5	0
[0.1a	-7	-1	4	7	9	10	-36	-13	-1	6	9	10	14	6	12	11	6	D
[BOT.	0	0	ol	0	0	. 0	0	0	ō	0	D	0	15	7	13	12	7	0

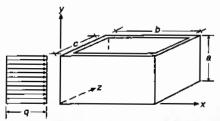
Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 4.0, \frac{c}{a} =$	= 0.5		М	, Coe	ificie	nt			M	, Coe	fficie	nt			M	xy Coe	efficie	nt	
		CORNER	*****	0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
	TOP	0	0.9b	0.8b	0.7b	0.6b	0	0	0.9b 0	0.8b 0	0.7b 0	0.6b	0	24	0.9b 35	0.8b	0.7b 7	0.6b 2	0
	0.9a	-6	23	36	42	44	44	-28	9	12	10	10	9	23	34	17	7	2	- 0
	0.8a	-9	38	63	74	78	79	-47	17	21	19	17	17	19	28	15	6	2	0
	0.7a	-12	48	82	97	102	103	-60	22	28	25	23	22	14	21	11	4	1	0
Long Side	0.6a	-14	54	93	110	116	118	-68	25	32	29	26	25	7.	11	6	2	1	0
	0.5a	-14 -14	. 55 54	97 93	115 110	121 116	123 118	-70 -68	26 25	33 32	30 29	27 26	27 25	7	0 11	0 6	0 2	0	0
	0.4a 0.3a	-14 -12	48	82	97	102	103	-60	22	28	25	23	22	14	21	11	4	1	0
	0.2a	•9	38	63	74	78	79	-47	17	21	19	17	17	19	28	15	6	2	<u>-</u>
	0.1a	-6	23	36	42	44	44	-28	9	12	. 10	10	9	23	34	17	7	2	0
	BOT.	0	<u></u> ol	0	0	0	0	0	0	0	0	0	0	24	35	18	7	2	0
			M.	Coef	ificien	ıt			М	, Coe	fficier	nt			M	, Coe	efficie	nt	
	1	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	24	13	7	4	2	0
	0.9a 0.8a	-6 -9l	-4 -8	-3 -7	-2 -6	-1 -5	- <u></u> -5	-28 -47	-17 -32	-11 -22	-7 -14	-5 -10	-4 -9	23 19	13	8 8	4	2	0
	0.8a 0.7a	-12	-11	-10	-10	-9	-9	-60	-43	-30	-21	-16	-14	14	9	6	4	2	0
Short Side	0.6a	-14	-13	-13	-12	-12	-12	-68	-49	-35	-26	-20	-18	7	5	3	2	1	0
Onor oldo	0.5a	-14	-14	-13	-13	-13	-13	-70	-52	-37	-27	-21	-19	0	0	0	0	0	0
	0.4a	-14	-13	-13	-12	-12	-12	-68 -60	-49 -43	-35 -30	-26 -21	-20 -16	-18 -14	7 14	5 9	3	4	1	0
	0.3a 0.2a	-12 -9	-11 -8	-10 -7	-10 -6	-9 -5	-9 -5	-60 -47	-32	-22	-21	-10	-14	19	12	8	4	2	0
	0.1a	-6	-4	-3	-2	-1	<u>-</u> ĭ	-28	-17		-7	-5	-4	23	13	8	4	2	<u>0</u>
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	24	13	7	. 4	2	0
b 6																			
$\frac{b}{a} = 3.0, \frac{c}{a} =$	2.0		M	, Coe	fficier	nt			М	, Coe	fficier	nt			M,	_{xy} Coe	efficie	nt	
$\frac{b}{a} = 3.0, \frac{c}{a} =$	2.0	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0. 4 b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
$\frac{b}{a} = 3.0, \frac{c}{a} =$			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	
$\frac{b}{a} = 3.0, \frac{c}{a} =$	TOP	0	0.1b 0.9b 0	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0	0	0.1b 0.9b	0.2b 0.8b 0	0.3b 0.7b 0	0.4b 0.6b	0	4	0.1b 0.9b 38	0.2b 0.8b 29	0.3b 0.7b 16	0.4b 0.6b 7	Ö
$\frac{b}{a} = 3.0, \frac{c}{a} =$			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0 0
	TOP 0.9a	0 -9 -16 -20	0.1b 0.9b 0 14 22 26	0.2b 0.8b 0 29 49 62	0.3b 0.7b 0 37 64 83	0.4b 0.6b 0 40 71 93	0 41 73 96	0 -44 -78 -102	0.1b 0.9b 0 3 4	0.2b 0.8b 0 11 20 26	0.3b 0.7b 0 12 21 28	0.4b 0.6b 0 11 20 27	0 11 19 26	4 3 3 2	0.1b 0.9b 38 36 31 22	0.2b 0.8b 29 27 23	0.3b 0.7b 16 15 13	0.4b 0.6b 7 6 5	0 0 0
$\frac{b}{a} = 3.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a	0 -9 -16 -20 -23	0.1b 0.9b 0 14 22 26 28	0.2b 0.8b 0 29 49 62 70	0.3b 0.7b 0 37 64 83 94	0.4b 0.6b 0 40 71 93 106	0 41 73 96 109	0 -44 -78 -102 -117	0.1b 0.9b 0 3 4 4 4	0.2b 0.8b 0 11 20 26 30	0.3b 0.7b 0 12 21 28 32	0.4b 0.6b 0 11 20 27 31	0 11 19 26 30	4 3 3 2 1	0.1b 0.9b 38 36 31 22 12	0.2b 0.8b 29 27 23 17	0.3b 0.7b 16 15 13 9	0.4b 0.6b 7 6 5 4	0 0 0
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	TOP 0.98 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	0 -9 -16 -20 -16 -9 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1b 0.9b 0.9b 14 22 26 28 28 28 26 22 14 0 M 0.1c 0.9c 0 7 9 9	0.2b 0.8b 0 29 49 62 70 72 70 62 49 29 0 Coe 0.2c 0.8c 0 19 30 37 40	0.3b 0.7b 0 37 64 83 94 98 94 83 64 37 0 0.3c 0.7c 0.7c 0.26 45 57 63	0.4b 0.6b 0 40 71 93 106 110 106 93 71 40 0 tt 0.4c 0.6c 0 31 53 68 77	0 41 73 96 109 114 109 96 73 41 0 0.5c 0 32 56 72 81	0 -44 -78 -102 -117 -102 -78 -44 0 CORNER 0 -44 -78 -102 -117 -102 -117 -102 -117	0.1b 0.9b 0.3 3 4 4 3 3 3 4 4 4 3 0 0.1c 0.9c 0.9c -5 -11 -16 -20	0.2b 0.8b 0 0 11 20 26 30 31 30 26 20 11 0 Coe 0.2c 0.8c 0 8 13 17 19	0.3b 0.7b 0 12 21 28 32 34 32 28 21 12 0 fficier 0.3c 0.7c 0 12 22 29 33	0.4b 0.6b 0 11 20 27 31 32 31 27 20 11 0 11 0 11 0 12 0.4c 0.6c 0 13 24 32 37	0 11 19 26 30 31 30 26 19 11 0	4 3 3 3 4 CORNER	0.1b 0.9b 38 36 31 22 12 0 12 22 31 36 38 M 0.1c 0.9c 33 31 26 18	0.2b 0.8b 29 27 23 17 9 0 9 17 23 27 29 0.2c 0.8c 0.8c 34 32 27 19 10	0.3b 0.7b 16 15 13 9 5 0 5 9 13 15 16 0.3c 0.7c 24 23 19 14	0.4b 0.6b 7 6 5 4 2 0 2 4 5 6 7 nt 0.4c 0.6c 12 12 10 7	0 0 0 0 0 0 0 0 0 0 0
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Long Side	TOP 0.98 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -9 -16 -20 -16 -9 0 0 -9 -16 -20 -23 -24 -23 -24 -23 -24 -23	0.1b 0.9b 0.9b 14 22 26 28 28 28 26 22 14 0 M 0.1c 0.9c 7 9 9 9 9	0.2b 0.8b 0 29 49 62 70 72 70 62 49 29 0 0.2c 0.8c 0.8c 0 19 30 37 40 41 40	0.3b 0.7b 0.7b 0 37 64 83 94 98 94 83 64 37 0 65 65 63	0.4b 0.6b 0 40 71 93 106 110 106 93 71 40 0 0 tt 0.4c 0.6c 0 31 53 68 77 80 77	0 41 73 96 109 114 109 96 73 41 0 0.5c 0 32 56 72 81 84	0 -44 -78 -102 -117 -102 -78 -44 -78 -102 -117 -102 -117 -122 -117 -122 -117 -122 -117	0.1b 0.9b 0 3 3 4 4 3 3 3 4 4 4 3 0 0.1c 0.9c 0.9c -5 -11 -16 -20 -21 -20	0.2b 0.8b 0.8b 0 11 20 26 30 31 30 26 20 11 0 0.2c 0.8c 0.8c 13 17 19 20 19	0.3b 0.7b 0.7b 12 21 28 32 34 32 28 21 12 0 fficier 0.3c 0.7c 0 12 22 29 33 35	0.4b 0.6b 0 11 20 27 31 32 31 27 20 11 0 11 0 11 0.4c 0.6c 0 13 24 32 37 39 37	0 11 19 26 30 31 30 26 19 11 0 0 0.5c	4 3 3 3 4 CORNER 4 3 3 3 2 1 1 0 0 1 1	0.1b 0.9b 38 36 31 22 12 0 12 22 31 36 38 0.1c 0.9c 33 31 26 18 9 0	0.2b 0.8b 29 27 23 17 9 0 9 17 23 27 29 0.2c 0.8c 34 32 27 19 10 0 10	0.3b 0.7b 16 15 13 9 5 0 5 9 13 15 16 0.3c 0.7c 24 23 19 14 8 0 8	0.4b 0.6b 7 6 5 4 2 0 2 4 5 6 7 nt 0.4c 0.6c 12 10 7 4 0 4	0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.98 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -9 -16 -20 -16 -9 0 0 -9 -16 -20 -23 -24 -23 -20 -23 -24 -23 -20 -20 -20	0.1b 0.9b 0.9b 14 22 26 28 28 28 26 22 14 0 0.1c 0.9c 0 7 9 9 9 9	0.2b 0.8b 0 29 49 62 70 72 70 62 49 0 0.2c 0.8c 0 19 30 37 40 41 40 37	0.3b 0.7b 0 37 64 83 94 98 94 83 64 37 0 0.3c 0.7c 0.7c 0.26 45 57 63 65	0.4b 0.6b 0 40 71 93 106 110 106 93 71 40 0 0 tt 0.4c 0.6c 0 31 53 68 77 80 77 68	0 41 73 96 109 114 109 96 73 41 0 0.5c 0 32 56 72 81	0 -44 -78 -44 0 CORNER 0 -44 -78 -102 -117 -122 -117 -122 -117 -122 -117 -122	0.1b 0.9b 0 3 3 4 4 3 3 3 4 4 4 3 0 0.1c 0.9c 0.9c -11 -16 -20 -21	0.2b 0.8b 0.8b 0 11 20 26 30 31 30 26 20 11 0 0.2c 0.8c 0.8c 0 13 17 19 20 19 17	0.3b 0.7b 0.7b 12 21 28 32 34 32 28 21 12 0 fficier 0.3c 0.7c 0 12 22 29 33 35	0.4b 0.6b 0 11 20 27 31 32 31 27 20 11 0 14 0.4c 0.6c 0 13 24 32 37 39	0 11 19 26 30 31 30 26 19 11 0 0 0.5c	4 3 3 3 3 4 4 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	0.1b 0.9b 38 36 31 22 12 0 12 22 31 36 38 0.1c 0.9c 33 31 26 18 9 0 9 18	0.2b 0.8b 29 27 23 17 9 0 9 17 23 27 29 0.2c 0.8c 0.8c 34 32 27 19 10 0	0.3b 0.7b 16 15 13 9 5 0 5 9 13 15 16 0.3c 0.7c 24 23 19 14 8	0.4b 0.6b 7 6 5 4 2 0 2 4 5 6 7 nt 0.4c 0.6c 12 10 7 4	0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.98 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -9 -16 -20 -16 -9 0 0 -9 -16 -20 -23 -24 -23 -24 -23 -24 -23	0.1b 0.9b 0.9b 14 22 26 28 28 28 26 22 14 0 M 0.1c 0.9c 7 9 9 9 9	0.2b 0.8b 0 29 49 62 70 72 70 62 49 29 0 0.2c 0.8c 0.8c 0 19 30 37 40 41 40	0.3b 0.7b 0.7b 0 37 64 83 94 98 94 83 64 37 0 65 65 63 57	0.4b 0.6b 0 40 71 93 106 110 106 93 71 40 0 0 tt 0.4c 0.6c 0 31 53 68 77 80 77	0 41 73 96 109 114 109 96 73 41 0 0.5c 0 32 56 72 81 84 81	0 -44 -78 -44 0 CORNER 0 -44 -78 -102 -117 -122 -117 -122 -117 -122 -117 -102	0.1b 0.9b 0.3 3 4 4 3 3 3 4 4 4 3 0 0.1c 0.9c 0.9c -5 -11 -16 -20 -21 -20 -16	0.2b 0.8b 0.8b 0 11 20 26 30 31 30 26 20 11 0 0.2c 0.8c 0.8c 13 17 19 20 19	0.3b 0.7b 0.7b 12 21 28 32 34 32 28 21 12 0 6 6 7 6 7 7 7 7 8 7 8 7 8 7 8 7 8 8 8 8	0.4b 0.6b 0 11 20 27 31 32 31 27 20 11 0 11 0 11 0.4c 0.6c 0 13 24 32 37 39 37	0 11 19 26 30 31 30 26 19 11 0 0 0.5c	4 3 3 3 4 CORNER 4 3 3 3 2 1 1 0 0 1 1	0.1b 0.9b 38 36 31 22 12 0 12 22 31 36 38 0.1c 0.9c 33 31 26 18 9 0 9 18 26 31	0.2b 0.8b 29 27 23 17 9 0 9 17 23 27 29 0.2c 0.8c 0.8c 34 32 19 10 0 10 19	0.3b 0.7b 16 15 13 9 5 0 5 9 13 15 16 0.3c 0.7c 24 23 19 14 8 0 8	0.4b 0.6b 7 6 5 4 2 0 2 4 5 6 7 nt 0.4c 0.6c 12 12 10 7 4 0 4	0 0 0 0 0 0 0 0 0 0

Tank Analysis Results

Moment = Coef. $\times qa^2/1000$

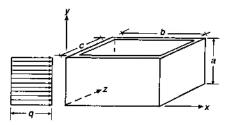


$\frac{b}{a} = 3.0, \frac{c}{a}$	= 1.5		M	I _x Coe	fficie	nt			M	, Coe	efficie	nt			M	xy Co	efficie	mt	-
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b		10.15	0.9b	d8.0	0.7b	0.6b			0.95	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	_ 0		0	7	38	28	16	7	0
	0.9a	-8	15	29	37	40	42	-42	3	11	12	11	11	6	36	27	15	6	0
	0.8a	-15	23	49	64	71	73	-74	5	20	21	20	19	5	31	23	13	5	0 0
	0.7a	-19	27	63	83	93	96	-96	5	26	28	26	_26	3	22	17	9	4	0
Long Side	0.6a	-22	29	71	95	106	109	-110	5	30	32	30	30	2	12	9	5	2	0
	0.5a	-23	30	73	98	110	114	-114	5	32	34	32	31	0	0	0	0	0	
	0.4a	-22	29	71	95	106	109	-110	5	30	32	30	30	2	12	9	5	2	0
	0.3a	-19	27	63	83	93	96	-96	5	26	28	26	26	3	22	17	9	4	0
	0.2a	-15	23	49	64	71	73	-74	5	20	21	20	19	5	31	23	13	5	0
	0.1a	-8	15	29	37	40	42	-42	3	11	12	11	11	6	36	27	15	6	0
	BOT.	0	0	0	0	0	0	0	_ 0	0	0	0	. 0	7	38	28	16	7	0
		CORNER	M 0.1c	0.20	fficien	0.4c	0.5c	CORNER	0.1c	, Coe	fficie	nt 0.4c	0.5c	CORNER		yz Co	0.3c	nt 0.4c	0.5c
			M	, Coe	fficien	nt			M	, Coe	fficie	nt			М	yz Coe	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c
			0.1c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c			0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	7		0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	
	TOP	0	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0	0	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0	7	0.1c 0.9c 24	0.2c 0.8c 28	0.3c 0.7c 22	0.4c 0.6c	0
	0.9a	0 -8	0.1c 0.9c 0	0.2c 0.8c 0 12	0.3c 0.7c 0 18	0.4c 0.6c 0	0 23	0 -42	0.1c 0.9c 0	0.2c 0.8c 0	0.3c 0.7c 0	0.4c 0.6c 0	0 14	7 6	0.1c 0.9c 24 22	0.2c 0.8c 28 27	0.3c 0.7c 22 21	0.4c 0.6c 12	0
	0.9a 0.8a	0 -8 -15	0.1c 0.9c 0 3	0.2c 0.8c 0 12 17	0.3c 0.7c 0 18 29	0.4c 0.6c 0 22 36	0 23 38	0 -42 -74	0.1c 0.9c 0 -9	0.2c 0.8c 0 4 7	0.3c 0.7c 0 11 19	0.4c 0.6c 0 13 24	0 14 25	7 6 5	0.1c 0.9c 24 22 18	0.2c 0.8c 28 27 22	0.3c 0.7c 22 21 18	0.4c 0.6c 12 11 10	0
	0.9a 0.8a 0.7a	0 -8 -15 -19	0.1c 0.9c 0 3 2	0.2c 0.8c 0 12 17 20	0.3c 0.7c 0 18 29 35	0.4c 0.6c 0 22 36 44	0 23 38 47	0 -42 -74 -96	0.1c 0.9c 0 -9 -19	0.2c 0.8c 0 4 7	0.3c 0.7c 0 11 19 25	0.4c 0.6c 0 13 24 32	0 14 25 34	7 6 5 3	0.1c 0.9c 24 22 18	0.2c 0.8c 28 27 22 16	0.3c 0.7c 22 21 18	0.4c 0.6c 12 11 10 7	0
Short Side	0.9a 0.8a 0.7a 0.6a	0 -8 -15 -19 -22	0.1c 0.9c 0 3 2 0	0.2c 0.8c 0 12 17 20	0.3c 0.7c 0 18 29 35 38	0.4c 0.6c 0 22 36 44 48	0 23 38 47 52	0 -42 -74 -96 -110	0.1c 0.9c 0 -9 -19 -27 -32	0.2c 0.8c 0 4 7 8	0.3c 0.7c 0 11 19 25 28	0.4c 0.6c 0 13 24 32 37	0 14 25 34 39	7 6 5 3	0.1c 0.9c 24 22 18 12 6	0.2c 0.8c 28 27 22 16 8	0.3c 0.7c 22 21 18 13	0.4c 0.6c 12 11 10 7	0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a	0 -8 -15 -19 -22 -23	0.1c 0.9c 0 3 2 0 -1 -1	0.2c 0.8c 0 12 17 20 20	0.3c 0.7c 0 18 29 35 38 38	0.4c 0.6c 0 22 36 44 48 50	0 23 38 47 52 53	0 -42 -74 -96 -110	0.1c 0.9c 0 -9 -19 -27 -32 -34	0.2c 0.8c 0 4 7 8 9	0.3c 0.7c 0 11 19 25 28 29	0.4c 0.6c 0 13 24 32 37 38	0 14 25 34 39 41	7 6 5 3 2	0.1c 0.9c 24 22 18 12 6	0.2c 0.8c 28 27 22 16 8	0.3c 0.7c 22 21 18 13 7	0.4c 0.6c 12 11 10 7 4	0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -8 -15 -19 -22 -23 -23	0.1c 0.9c 0 3 2 0 -1 -1	0.2c 0.8c 0 12 17 20 20 21	0.3c 0.7c 0 18 29 35 38 38	0.4c 0.6c 0 22 36 44 48 50 48	0 23 38 47 52 53 52	0 -42 -74 -96 -110 -114	0.1c 0.9c 0 -9 -19 -27 -32 -34 -32	0.2c 0.8c 0 4 7 8 9	0.3c 0.7c 0 11 19 25 28 29 28	0.4c 0.6c 0 13 24 32 37 38 37	0 14 25 34 39 41 39	7 6 5 3 2 0	0.1c 0.9c 24 22 18 12 6	0.2c 0.8c 28 27 22 16 8 0	0.3c 0.7c 22 21 18 13 7 0	0.4c 0.6c 12 11 10 7 4 0 4	0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	0 -8 -15 -19 -22 -23 -22 -19	0.1c 0.9c 0 3 2 0 -1 -1 -1	0.2c 0.8c 0 12 17 20 20 21 20 20 20	0.3c 0.7c 0 18 29 35 38 38 38 38	0.4c 0.6c 0 22 36 44 48 50 48	0 23 38 47 52 53 52 47	-42 -74 -96 -110 -114 -110	0.1c 0.9c 0 -9 -19 -27 -32 -34 -32 -27	0.2c 0.8c 0 4 7 8 9 9	0.3c 0.7c 0 11 19 25 28 29 28 25	0.4c 0.6c 0 13 24 32 37 38 37 32	0 14 25 34 39 41 39 34	7 6 5 3 2 0 2	0.1c 0.9c 24 22 18 12 6 0 6 12	0.2c 0.8c 28 27 22 16 8 0 8	0.3c 0.7c 22 21 18 13 7 0 7	0.4c 0.6c 12 11 10 7 4 0 4 7	0 0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -8 -15 -19 -22 -23 -22 -19 -15	0.1c 0.9c 0 3 2 0 -1 -1 -1 -1	0.2c 0.8c 0 12 17 20 20 21 20 20 17	0.3c 0.7c 0 18 29 35 38 38 38 35 29	0.4c 0.6c 0.6c 22 36 44 48 50 48 44 36	0 23 38 47 52 53 52 47 38	0 -42 -74 -96 -110 -114 -110 -98 -74	0.1c 0.9c 0 -9 -19 -27 -32 -34 -32 -27 -19	0.2c 0.8c 0 4 7 8 9 9	0.3c 0.7c 0 11 19 25 28 29 28 25 19	0.4c 0.6c 0 13 24 32 37 38 37 32 24	0 14 25 34 39 41 39 34 25	7 6 5 3 2 0 2 2 3	0.1c 0.9c 24 22 18 12 6 0 6 12 18	0.2c 0.8c 28 27 22 16 8 0 8 16 22	0.3c 0.7c 22 21 18 13 7 0 7 13 18	0.4c 0.6c 12 11 10 7 4 0 4 7 10	0 0 0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -8 -15 -19 -22 -23 -22 -19 -15 -8	0.1c 0.9c 0 3 2 0 -1 -1 -1 0 2	0.2c 0.8c 0 12 17 20 21 20 20 21 20 20 17 12	0.3c 0.7c 0 18 29 35 38 38 38 35 29 18	0.4c 0.6c 0 22 36 44 48 50 48 44 36 22	0 23 38 47 52 53 52 47 38 23	0 -42 -74 -96 -110 -114 -110 -96 -74	0.1c 0.9c 0 -9 -19 -27 -32 -34 -32 -27 -19 -9	0.2c 0.8c 0 4 7 8 9 9 9	0.3c 0.7c 0 11 19 25 28 29 28 25 19 11	0.4c 0.8c 0 13 24 32 37 38 37 32 24 13	0 14 25 34 39 41 39 34 25	7 6 5 3 2 0 2 3 5 6	0.1c 0.9c 24 22 18 12 6 0 6 12 18 22	0.2c 0.8c 28 27 22 16 8 0 8 16 22 27	0.3c 0.7c 22 21 18 13 7 0 7 13 18 21	0.4c 0.6c 12 11 10 7 4 0 4 7 10 11	0 0 0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -8 -15 -19 -22 -23 -22 -19 -15	0.1c 0.9c 0 3 2 0 -1 -1 -1 -1	0.2c 0.8c 0 12 17 20 21 20 20 21 20 20 17 12	0.3c 0.7c 0 18 29 35 38 38 38 35 29	0.4c 0.6c 0.6c 22 36 44 48 50 48 44 36	0 23 38 47 52 53 52 47 38	0 -42 -74 -96 -110 -114 -110 -98 -74	0.1c 0.9c 0 -9 -19 -27 -32 -34 -32 -27 -19	0.2c 0.8c 0 4 7 8 9 9	0.3c 0.7c 0 11 19 25 28 29 28 25 19	0.4c 0.6c 0 13 24 32 37 38 37 32 24	0 14 25 34 39 41 39 34 25	7 6 5 3 2 0 2 2 3	0.1c 0.9c 24 22 18 12 6 0 6 12 18	0.2c 0.8c 28 27 22 16 8 0 8 16 22	0.3c 0.7c 22 21 18 13 7 0 7 13 18	0.4c 0.6c 12 11 10 7 4 0 4 7 10	000000000000000000000000000000000000000
Short Side $\frac{b}{a} = 3.0, \frac{c}{a}$	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	0 -8 -15 -19 -22 -23 -22 -19 -15 -8	0.1c 0.9c 0 3 2 01 -1 -1 0 2 3 0	0.2c 0.8c 0 12 17 20 21 20 20 21 20 20 17 12	0.3c 0.7c 0 18 29 35 38 38 38 35 29 18 0	0.4c 0.6c 0.6c 22 36 44 48 48 50 48 44 36 22 0	0 23 38 47 52 53 52 47 38 23	0 -42 -74 -96 -110 -114 -110 -96 -74	0.1c 0.9c 0 -9 -19 -27 -32 -34 -32 -27 -19 -9 0	0.2c 0.8c 0 4 7 8 9 9 9 9 8: 7 4	0.3c 0.7c 0 11 19 25 28 29 28 25 19 11	0.4c 0.8c 0 13 24 32 37 38 37 32 24 13 0	0 14 25 34 39 41 39 34 25	7 6 5 3 2 0 2 3 5 6	0.1c 0.9c 24 22 18 12 6 0 6 12 18 22 24	0.2c 0.8c 28 27 22 16 8 0 8 16 22 27 28	0.3c 0.7c 22 21 18 13 7 0 7 13 18 21	0.4c 0.6c 12 11 10 7 4 0 4 7 10 11 12	0 0 0 0 0 0
	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	0 -8 -15 -19 -22 -23 -22 -19 -15 -8	0.1c 0.9c 0 3 2 0 -1 -1 -1 0 2 3 0	0.2c 0.8c 0 12 17 20 20 21 20 20 17 12 0	0.3c 0.7c 0 18 29 35 38 38 38 35 29 18 0	0.4c 0.6c 0.6c 22 36 44 48 48 50 48 44 36 22 0	0 23 38 47 52 53 52 47 38 23	0 -42 -74 -96 -110 -114 -110 -96 -74	0.1c 0.9c 0 9 -19 -27 -32 -34 -32 -27 -19 -9 0	0.2c 0.8c 0 4 7 8 9 9 9 9 8: 7 4	0.3c 0.7c 0 11 19 25 28 29 28 25 19 11	0.4c 0.8c 0 13 24 32 37 38 37 32 24 13 0	0 14 25 34 39 41 39 34 25	7 6 5 3 2 0 2 3 5 6	0.1c 0.9c 24 22 18 12 6 0 6 12 18 22 24	0.2c 0.8c 28 27 22 16 8 0 8 16 22 27 28	0.3c 0.7c 22 21 18 13 7 0 7 13 18 21 22	0.4c 0.6c 12 11 10 7 4 0 4 7 10 11 12	0 0 0 0 0 0

$\frac{3}{a} = 3.0, \frac{3}{a} = 3.0$	1.0		M	x Coe	fficle	nt			M	, Coe	fficie	nt			M	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	COANER	0.1b	0.2b	0.3b	0.4b	0.5b
		i i	0.9b	0.8b	0.7b	0.6b			0.95	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	_ 0	0	. 0	0	_ 0	0	0	0	0	0	0	14	39	27	15	. 6	0
	0.9a	-7	16	30	37	41	42	-36	5	11	12	11	11	13	37	26	14	6	0
	0.8a	-12	25	51	65	72	74	-62	7	20	21	20	19	11	31	22	12	5	0
	0.7a	-16	31	65	85	94	97	-81	9	27	28	26	25	8	22	16	9	4	0
Long Side	0.6a	-18	33	73	96	107	110	-92	10	31_	32	30	29	4	12	9	5	2	0
	0.5a	-19	34	76	100	111	115	-95	10	32	34	31	30	0	0	0	0	0	. 0
	0.4a	-18	33	73	96	107	110	-92	10	31	32	30	29	4	12	9	5	2	0
	0.3a	-16	31	65	85	94	97	-81	8	27	28	26	25	8	22	16	9	4	0
	0.2a	-12	25	51	65	72	74	-62	7	20	21	20	19	11	31	22	12	5	0
	0.1a	-7	16	30	37	41	42	-36	. 5	11	12	11	11	13	37	26	14	6	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	14	39	27	15	6	0

		M	, Coe	fficien	ıt			M	y Coe	fficie	nt			M	yz Coe	efficie	nt	
	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9¢	0.8c	0.7c	0.6c	
TOP	0	0	O	0	0	0	0	0	0	0	D	0	14	7	13	12	7	0
0.9a	-7	-1	4	7	9	10	-36	-13	1	6	9	10	13	6	12	11	6	0
0.8a	-12	-5	3	9	13	14	-62	-25	-3	9	16	18	11	4	9	9	5	0
0.7a	-16	-8	1	8	13	15	-81	-35	-6	11	20	23	8	2	6	6	4	0
0.6a	-18	-9	0	7	12	14	-92	-41	-8	12	23	26	4	1.	3	3	2	0
0.5a	-19	-10	-1	7	12	14	-95	-43	-9	13	24	27	0	0	0	0	0	0
0.4a	-18	-9	0	7	12	14	-92	-41	-8	12	23	26	4	_ 1	3	3	2	0
0.3a	-16	-8	1	8	13	15	-B1	-35	-6	- 11	20	23	8	2	6	6	4	0
0.2a	-12	-5	3	9	13	14	-62	-25	-3	9	16	18	11	4	9	9	5	0
0.1a	-7	-1	4	7	9	10	-36	-13	-1	6	9	10	13	6	12	11	6	0
BOT	. 0	0	0	0	0	0	0	0	.0	0	0	0	14	7	13	12	7	0

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 3.0, \frac{c}{a} =$	0.5		M	l _x Coe	fficie	nt			M	y Coe	fficle	nt			М	_{xy} Coe	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4ხ	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.16	0.2b	0.3b	0.45	0.5b
			0.9ხ	0.8b	0.7Ь	0.6b			ძ9.0	0.8ь	0.7b	0.6b		Ĺ. :	0.9b	d8.0	0.7b	0.6b	i I
	TOP	0	0	0	0	0	Ó	0	_ 0	0	0	0	0	24	39	26	14	6	0.
	0.9a	-6	18	31	38	41	42	-28	7	12	12	11	11	22	37	25	13	- 5	0
	0.8a	-9	29	53	66	73	74	-47	11	21	21	20	19	19	31	21	11.	5	0
	0.7a	-12	35		86	95	97	-60	14	28	28	26	25	13	22	15	8	3	ō
Long Side	0.6a	-14	39	77	98	108	111	-68	15	32	32	30	29	7	12	8	4	2	0
- 2/152 1	0.5a	-14	40	80	102	113	116	-70	16	33	33	31	30	0	0	0	0	0	0
	0.4a	-14	39	77	98	108	111	-68	15	32	32	30	29	7	12	8	4.	2	0
	0.3a	-12	35	68	86	95	97	-60	14	28	28	26	25	13	22	15	8	3	
	0.2a	-9	29	53	66	73	74	-47	11	21	21	20	19	19	31	21	11	5	0
	0.1a	-6	18	31	38	41	42	-28	. 7	12	12	11	11	22	37	25	13	5	ō
	BOT.	0	0	0	o	Öl	0	0	0	0	0	0	0	24	39	26	14	6	0

M_z Coefficient

M_v Coefficient

Myz Coefficient

CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5c 0.6c 0.9c 0.8c 0.7c 0.9c 0.8c 0.7c 0.60 0.8c 0.9c 0.7c TOP 24 0 0 13 0.9a -6 -4 -3 -2 -1 -28 -17 -11 22 8 13 0.8a -9 -8 -7 -6 -5 -5 -47 -32 -21 -14 -10 -9 19 12 8 0.7a -12 -11 -10 -10 -9 -60 -43 -30 -21 -16 -14 13 9 6 4 0.6a -14 -13 -13 -12 -12 -49 -35 -26 -20 -18 5 3 2 7 0.5a -14 -14 -13 -13 -13 -13 -70 -37 -27 -19 0 -21 0 0.4a -14 -13 -13 -12 -12 3 -12 -68 -49 -35 -26 -20 -18 5 0.3a -12 -11 -10 -10 -9 -60 -43 -30 -21 l -16 -14 13 9 6 4 0.2a -9 -7 -8 -6 -5 -5 -47 -21 -32 -14 19 12 0 0.1a -6 -3 -2 -17 -4 -28 -11 -5 22 13 8 4 0 BOT. 0 ol 0. 0 7 13

Short Side

$\frac{D}{a} = 2.0, \frac{C}{a} =$	1.5		М	_x Coe	fficie	nt			M	l _y Coe	efficie	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7Ь	0.6ხ			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	Ö	0	0	0	0	0	. 0	0	5	34	33	23	11	Ō
	0.9a	-8	. 8	19	27	31	33	41	-4	8	12	13	13	4	32	31	22	11	0
	0.8a	-14	10	31	46	54	57	-72	-8	14	22	24	24	3	27	27	19	9	0
	0.7a	-19	11	38	58	69	73	-94	-13	_ 18	29	32	33	2	19	19	14	7	0
Long Side	0.6a	-21	11	42	65	78	82	-107	16	21	33	37	38	1	10	10	7	4	0
	0.5a	-22	11	43	67	81	85	-112	-17	22	35	39	39	0	0	0	0	0	0:
	0.4a	-21	11	42	65	78	82	-107	-16	21	33	37	38	1	10	10	7	4	Ō
	0.3a	-19	11	38	58	69	73	-94	-13	18	29	32	33	2	19	19	14	7	0
	0.2a	-14	10	31	46	54	57	-72	-8	14	22	24	24	3	27	27	19	9	0
	0.1a	-8	8	19	27	31	33	-41	-4	8	12	13	13	4	32	31	22	11	0
	BOT.	0	0	0	<u>o</u>	0	0	0	0	. ol	0	0	0	5	34	33	23	11	0

Coefficient	M,

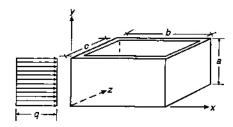
M,

M _{yz} Coefficien	t
----------------------------	---

	CORNER	U.1C	U.2C	0.30	U.4C	V.5C	CORNER	0.1c	0.20	[0.3c _]	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.90	0.8c	0.7c	0.6c	l i
TOP	0	0	0	0	0	0	0	0	0	0	0	0	5	25	28	22	12	0
0.9a	-8	3	12	18	22	23	-41	-9	4.	11	13	14	4	23	27	21	11	ō
0.8a	-14	2	18	29	36	38	-72	-18	7	19	24	25	3	18	22	18	10	0
0.7a	-19	1	20	35	44	47	-94	-26	9	25	32	34	2	13	16	13	7	0
0.6a	-21	0	21	38	49	52	-107	-31	9	28	37	39	1	- 6	8	7	4	0
0.5a	-22	-1	21	39	50	54	-112	-33	9	30	38	41	0	0	0	0	0	<u>_</u>
0.4a	-21	0	21	38	49	52	-107	-31	9	28	37	39	1	6	8	7	4	<u>_</u>
0.3a	-19	1	20	35	44	47	-94	-26	9	25	32	34	2	13	16	13	7	
0.2a	-14	2	18	29	36	38	-72	-18	7	19	24	25	3	18	22	18	10	
0.1a	-8	3	12	18	22	23	-41	-9	4	11	13	14	4	23	27	21	11	<u> </u>
BOT.	0	0	o	0	0	0	0	0	0	o	O.	0	5	25	28	22	12.	

Coefficient

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.0		M	, Coe	officie	nt			M	, Coe	fficie	nt			М	_{xy} Co	etficie	nt	
		CORNER	0.1b	0.25	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8₺	0.7b	0.65			0.9b	0.8b	0.7b	0.6b			0.9b	₫ <u>8</u> .0	0.7b	0.6b	
	TOP	0	0	0	0	0	0	٥	0	Ó	0	0	0	12	36	33	22	11	0
	0.9a	-7	9	21	28	32	34	-35	-1	9	12	13	13	11	34	31	21	10	0
	0.8a	-12	13	34	48	56	58	-61	4	16	22	24	24	10	28	26	18	9	0
	0.7a	-16	15	42	61	71	75	-79	-7	20	29	32	32	7	20	19	13	7	D
Long Side	0.6a	-18	16	46	68	81	85	-89	-9	23	34	37	37	4	10	10	7	3	0
	0.5a	-19	16	47	70	84	88	-93	-9	24	35	38	39	O	0	0	0	0	0
	0.4a	-18	16	46	68	81	85	-89	-9	23	34	37	37	4	10	10	7	3	0
	0.3a	-16	15	42	61	71	75	-79	-7	20	29	32	32	7	20	19	13	7	0
	0.2a	-12	13	34	48	56	58	61	-4	16	22	24	24	10	28	26	18	9	0
	0.1a	-7	9	21	28	32	. 34	-35	-1	9	12	13	13	11	34	31	21	10	0
	BOT.	0	0	0	0	0	0	0	0	o	0	0	0	12	36	33	22	11	0
											- 0 0								

M_z Coefficient

Short Side

	CORNER	0.1c	0.2c	0.3c	0.4¢	0.5c	CORNER	0.1c	0.2c	0.3c j	0.40	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.60			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	Ö	0	0	0	_ 0	0	0	0	0	12	8	13	12	7	0
0.9a	-7	-1	4	8	10	10	-35	-12	-1	6	9.	10	11	6	12	11	6	0
0.8a	-12	-4	3	9	19	14	-61	-24	-3	10	16	18	10	4	9	9	5	0
0.7a	-16	-7	. 2	9,	14	15	-79	-34	-5	12	21	24	7	2	6	6	4	0
0.6a	-18	-9	0	8	13	15	-89	-40	-7	13	23	27	4	1	3	3	2	
0.5a	-19	-10	0	8	13	14	-93	-41	-8	13	24	28	0	0	0	0	0	O O
0.4a	-18	-9	0	8	13	15	-89	-40	-7	13	23	27	4	1	3	3	2	0
0.3a	-16	-7	2	9	14	15	-79	-34	-5	12	21	24	7	2	6	6	4	0
0.2a	-12	-4	3	9	13	14	61	-24	-3	10	16	18	10	4	9	9	5	0
0.1a	-7	-1	4	8	10	10	-35	-12	-1	6	9	10	11	6	12	11	6	0
BOT.	0	ol	ol	0	0	0	0	0	0	0	0	0	12	8:	13	12	7	0

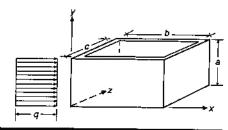
M_y Coefficient

$\frac{3}{a} = 2.0, \frac{3}{a} =$	0.5		M	i _x Coe	efficie	nt			M	l, Coe	fficle	nt			M	_{xy} Co	efficle	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1ნ	0.2b	0.3ხ	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9₺	0.8b	0.7b	0.6b		L	0.9b	0.8b	0.7b	0.6b	
	TOP	0	Ó	0	0	0	0	0	Ö	0	0	0	D	22	38	32	21	10	0
	0.9a	-5	11	22	29	33	34	-27	2	10	12	13	13	21	36	31	20	10	0
* .	0.8a	-9	17	37	_ 50	58	60	-46	2	18	23	24	24	18	30	26	17	8	0
2.0	0.7a	-12	20	46	64	74	77	-59	1	23	30	32	32	_ 13	21	19	13	6	0
Long Side	0.6a	-13	21	51	72	84	88	-66	1	26	35	36	_ 37	7	11	10	7	3	0
-	0.5a	-14	22	53	74	87	91	68	0	28	36	38	38	0	0	0	0	0	0
	0.4a	-13	21	51,	72	84	88	-66	ſ	26	35	36	37	7	11	10	7	3	0
	0.3a	-12	20	46	64	74	77	-59	1	23	30	32	32	13	21	19	13	6	0
	0.2a	-9	17	37	50	58	60	-46	2	18	23	24	24	18	30	26	17	8	0
	0.1a	-5	11	22	29	33	34	-27	2	10	12	13	13	21	36	31	20	10	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	O	22	38	32	21	10	0

Short Side

		М	, Coe	fficier	nt			M	y Coe	fficier	nt			M	yz Co	otficie	nt	
	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4¢	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
	1	0.9c	0.8c	0.7c	0.6c			0.9c	Q.8c	0.7c	0.6c		L i	0.9c	0.8c	0.7c	0.6c	
TOP	Ó	0	Ö	0	0	Ō	0	Ö	0	0	0	0	22	12	7	4	2	0
0.9a	-5	-4	-2	-1	-1	0	-27	-17	-10	-6	-4	-4	21	12	7	4	2	ō
0.8a	-9	-8	-7	5	-5	-4	-46	-31	21	-14	-10	-8	18	12	7	4	2	0
0.7a	-12	-11	-10	-9	-9	-8	-59	-41	-29	-20	-15	-13	13	9	6	3	2	
0.6a	-13	-13	-12	-12	-11	-11	-66	-48	-34	-24	-19	-17	7	5	3	2	1	0
0.5a	-14	-13	-13	-12	-12	-12	-68	-50	-36	-26	-20	-18	0	0	0	0	0	ō
0.4a	-13	-13	-12	-12;	-11	-11	-66	-48	-34	-24	-19	-17	7	5	3	2	_ 1	0
0.3a	-12	-11	-10	-9	-9	-8	-59	-41	-29	-20	-15	-13	13	9	6	3	- 2	0
0.2a	-9	-8	-7	-5	-5	-4	-46	-31	-21	-14	-10	-8	18	12	7	4.	2	0
0.1a	-5	-4	-2	-1	-1	0	-27	-17	-10	-6	-4	-4	21	12	7	4	2	Ö
BOT.	0	0	Ö	0	0	0	0	Õ	0	0	0	0	22	12	7	4	2	0

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 1.5, \frac{c}{a} =$	1.0		M	_х Соє	fficie	nt			M	y Coe	fficie	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.25	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3Ь	0.4Ь	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7ხ	0.6b			0.9b	0.8b	0.7ხ	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	_ 0	Ō	0	0	0	_ 0,	0	.0	9	29	29	22	11	0
	0.9a	7	5	14	20	23		-33	-5	6	11	13	14	8	27	28	21	11	0
	0.8a	-11	6	21	32	39	41	-57	-11	11	20	25	26	7	22	23	17	9	ō
2.22	0.7a	-15	6	25	40	49	52	74	-16	13	27	33	34	5	15	16	13	7	0
Long Side	0.6a	-17	6	27	44	54	57	-83	-19	15	31	38	40	3	8	9	7	4	0
	0.5a	-17	6	28	45	56	59	-87	-20	15	32	39	41	0	0	0	0		0
	0.4a	-17	6	27	44	54	57	-83	-19	15	31	38	40	3	8	9	7	4	ō
	0.3a	-15	6	25	40	49	52	-74	-16	13	27	33	34	5	15	16	13	7	Ö
	0.2a	-11	6	21	32	39	41	-57	11	11	20	25	26	7	22	23	17	9	0
	0.1a	-7	5	14	20	23	25	-33	-5	6	11	13	14	8	27	28	21	11	- 6
	BOT.	0	0	0	0	0	0	0	_ 0	0	0	0.	0	9	29	29	22	111	 -

TOP 0 0.9a -7 -1

0.1a

BOT.

٠7

-1

M_z Coefficient

5

M_z Coefficient

10

0

11

-33

0

-11

0

8

0

CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3c 0.4c 0.5¢ CORNER 0.1c 0.2c 0.3c 0.4c 0.5c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7¢ 0 0 0 14 12 8 10 11 -33 0 -11 6 10 8 7 5 13 11 0.8a -11 5 -3 11 14 16 -22 11 17 19 5 9 10 0.7a -15 -6 3 10 15 17 -30 ·3 -74 13 22 24 3 7 6 0.6a -7 -17 10 17 -83 15 -5 14 -36 25 28 3 3 3 0.5a -17 -8 15 16 -87 -37 15 26 29 0 -5, 0 0 이 0 0.4a -17 -7 2 17 10 15 -83 -36 -5 14 25 28 3 3 2 0 0.3a -15 9 3 10 17 15 -74 -30 -3 13 22 24 5 3 7 6 4 ō 0.2a -3 -11 5 11 16 -57 -22 -1 11. 17 7. 10 19 5 9 0

0

0

0

10

8

8

13

Myz Coefficient

11

12

ō

My Coefficient

Short Side

$\frac{1}{a} = 1.5, \frac{1}{a} = 1.5$	0.5		М	, Coe	fficie	nt			M	, Coe	fficie	nt			М	xy Coe	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	Ö	0:	٥	0	0	0	0,	0	19	33	30	22	11	0.
	0.9a	-5	7	16	22	25	26	-25	-1	8	12	14	14	18	31	29	21	10	
	0.8a	-9	10	25	36	42	44	-43	-3	14	22	25	26	15	25	24	17	9	0
	0.7a	-11	. 11	30	45	53	56	-54	-5	18	29	33	35	11	18	17	13	6	0
Long Side	0.6a	-12	12	33	49	_ 59	62	-60	-7	20	33	38	4D	6	9	9	7	3	0
	0.5a	-12	12	34	51	61	64	-62	-8	21	34	40	42	0	0	0	0	0	0
	0.4a	-12	12	33	49	59	62	-60	-7	20	33	38	40	6	9	9	7	3	0
	0.3a	-11	. 11	30	45	53	56	-54	-5	18	29	33 أ	35	11	18	17	13	6	0
	0.2a	-9	10	25	36	42	44	-43	-3	14	22	25	26	15	25	24	17	9	0
	_0.1a	-5	7	16	22	25	26	25	-1	8	12	14	14	18	31	29	21	10	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	D	19	33	30	22	11	0

															-			
	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.80	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	_ 0	0	0	0	0	0	0	0	0	19	10	5	3	1	
0.9a	-5	-3	-2	-1	D	0	-25	-15	-9	-5	-3	-2	18	11	6	3	1	0
0.8a	-9	-7	-6	-4	-4	-3	-43	-28	-18	-11	-8	-6	15	10	6	<u>3</u>	2	0
0.7a	-11	-10	-9	-8	-7	-7	-54	-37	-25	-17	-12	-10	11	8	5	3	1	0
0.6a	-12	-11	-11	-10	-10	-9	-60	-43	-30	-21	-15	-13	6	4	3	2	1	ñ
0.5a	-12	-12	-11	-11	-10	-10	-62	-45	-31	-22	-16	-14	0	0	_ 0	0	0	 0
.0.4a	-12	-11	-11	-10	-10	-9	-60	-43	-30	-21	-15	-13	6.	4	- 3	2	1	<u>_</u> 0
0.3a	-11	-10	-9	-8	-7	-7	-54	-37	-25	-17	-12	-10	111	8	5	3.	1	
0.2a	-9	-7	-6	-4	-4	-3	-43	-28	-18	-11	-8	-6	15	10	6	3	2	_ 0
0.1a	-5	-3	-2	-1	ni	0	-25	-15	_0	-6	-3		10	41		Ť	-	<u>~</u>

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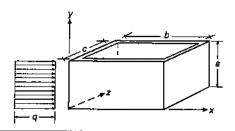
0

My Coefficient

Short Side

вот.

Moment = Coef. $\times qa^2/1000$



Myz Coefficient

$\frac{b}{a} = 1.0, \frac{c}{a} =$	0.5		M	, Coe	fficie	nt		•	M	, Coe	fficie	nt		•	М	_{xy} Co	efficie	nt	
		CORNER	0.15	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.25	0.3b	0.45	0.5ხ	CORNER	0.1b	0.25	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6ხ			0.9b	0.8b	0.7b	0.6b			_0.95	0.8b	0.7b	0.6b	l f
	TOP	0	0	0	. 0	0	0	Ö	0	0	0	0	0	12	21	20	15	8	0
	0.9a	-4	3	8		14	15	-20	-3	5	10	12	13	11	19	18	14	7	0
	0.8a	-7	3	12		22	23	-33	-6	9	17	21	23	9	15	15	11	6	0
	0.7a	8	3	13	21	25	27	-41	-9	10	22	28	30	7	10	10	8	4	0
Long Side	0.6a	-9	3	13	22	27	29	45	-11	11	25	32	34	4	5	5	4	2	0
	0.5a	-9	3	13	22	27	29	-46	-11	12	26	33	36	0	0	ō	0	0	0
	0.4a	-9	3	13	22	27	29	-45	-11	11	25	32	34	4	5	5	4	2	0
	0.3a	-8	3	13	21	25	27	-41	-9	10	22	28	30	7	10	10	8	4	ő
	0.2a	-7	3	12	18	22	23	-33	-6	9	17	21	23	9	15	15	11	6	0
	0.1a	-4	3	8	12	14	15	-20	-3	5	10	12	13	11	19	18	14	7	0
	вот.	0	0	0	0	ol	0	0	0	0	0	ō	0	12	21	20	15	8	0

M_z Coefficient

Short Side

									•						,-			
	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	. 0	0	ō	0	0	0	0	12	5	2	0	Ö	0
0.9a	-4	-2	-1	1	1	2	-20	-11	-5	-2	0	1	11	6	2	1,	0	Ö
0.8a	-7	-5	-3	-2	-1	-1	-33	-20	-11	-5	-2	-1	9	6	3	1	1	0
0.7a	-8	-7	-5	-4	-3	-3	-41	-26	-16	-8	-4	-3	7	4	3	2	1	0
0.6a	-9	-8	-6	-5	-5	-5	-45	-30	-18	-10	-6	-4	4	2	2	1	0	0
0.5a	-9	-8	7	-6	-5	-5	-46	-31	-19	-11	-6	-5	0	0	0	0	0	o
0.4a	-9	-8	-6	-5	-5	-5	-45	-30	-18	-10	-6	-4	4	2	2	1	0	0
0.3a	-8	-7	-5	-4	?	-3	-41	-26	-16	-8	-4	-3	7	4	3	2	1	0
0.2a	-7	-5	-3	-2	-1	-1	-33	-20	-11	-5	-2	-1	9	6	3	1	1	0
0.1a	-4	-2	-1	1	1	2	-20	-11	-5	-2	0	1	11	6	2	1	0	0
BOT.	0	0	o	0	0	0	0	0	0	0	0		12	5	2	0	0	ō

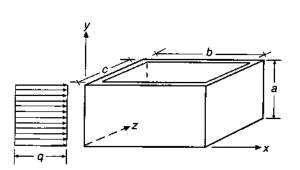
M_y Coefficient

Free Top Hinged Base

CASE 6

Deflection =
$$\frac{C_d q a^4}{1000 \, \tilde{D}}$$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

Long Side - Along Midheight (y = a/2)

	X	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a	c/a		0.9b	0.8b	0.7b	0.6b	
4.0	3.0	. 0	40.50	99.80	151.50	185.10	196.60
4.0	2.0	0	50.60	113.90	167.20	201.40	213.10
4.0	1.5	0	54.60	119.60	173.50	207.90	219.60
4.0	1.0	0	56.30	121.80	176.00	210.50	222.20
4.0	0.5	o	51.50	115.10	168.50	202.70	214.30
3.0	2.0	0	20.80	49.20	74.40	91.10	96.90
3.0	1.5	0	24.40	54.60	80.60	97.70	103.60
3.0	1.0	0	26.40	57.60	84.20	101.40	107.40
3.0	0.5	0	24.40	54.60	80.60	97.70	103.60
2.0	1.5	0	6.10	14.70	22.60	27.90	29.80
2.0	1.0	0	8.10	17.90	26.50	32.20	34.20
2.0	0.5	0,	8.10	17.80	26.40	32.10	34.10
1.5	1.0	0	3.00	6.80	10.20	12.50	13.30
1.5	0.5	0	3.50	7.60	11.20	13.60	14.50
1.0	0.5	0	0.90	2.00	3.00	3.60	3.80

Short Side - Along Midheight (y = a/2)

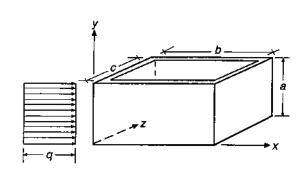
	z	END	0.1c	0.2c	0.3c	0.4c	0.5c
b/a	c/a		0.9c	0.8c	0.7c	0.6c	
4.0	3.0	0	3.70	23.30	44.30	59.00	64.30
4.0	2.0	0	-9.10	-10.20	-8.10	-5.80	-4.80
4.0	1.5	0	-10.50	-16.00	-18.60	-19.60	-19.90
4.0	1.0	0	-8.40	-14.20	-18.00	-20.10	-20.80
4.0	0.5	0	-3.60	-6.40	-8.30	-9.50	-9.80
3.0	2.0	0	-2.80	0.20	4.70	8.30	9.60
3.0	1.5	0	-5.60	-7.70	-8.20	-8.00	-7.80
3.0	1.0	o	-5.30	-8.80	-11.00	-12.20	-12.60
3.0	0.5	0	-2.40	-4.30	-5.60	-6.40	-6.60
2.0	1.5	0	-0.90	0.30	2.00	3.40	3.90
2.0	1.0	0	-2.30	-3.60	-4.20	-4.50	-4.60
2.0	0.5	0	-1.30	-2.30	-3.00	-3.40	-3.50
1.5	1.0	0	-0.90	-1.10	-1.00	-0.09	-0.80
1.5	0.5	0	-0.80	-1.30	-1.70	-1.90	-2.00
1.0	0.5	o	-0.30	-0.50	-0.60	-0.70	-0.70

CASE 6

Free Top Hinged Base

Deflection =
$$\frac{C_d q a^4}{1000 D}$$

$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

Long Side - Along Midspan (x = b/2)

b/a	c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	40.40	80.50	119.90	158.70	196.60	233.80	270.20	306.20	341.90	377.80
4.0	2.0	0	43.70	87.10	129.80	171.80	213.10	253.50	293.20	332.50	371.30	410.30
4.0	1.5	0	45.00	89.70	133.80	177.10	219.60	261.30	302.30	342.80	383.10	423.40
4.0	1.0	0	45.60	90.80	135.40	179.20	222.20	264.50	306.00	346.90	387.80	428.80
4.0	0.5	0	44.00	87.60	130.60	172.90	214.30	255.00	295.00	334.40	373.80	412.80
3.0	2.0	0	20.30	40.30	59.80	78.70	96.90	114.40	131.40	148.00	164.40	181.00
3.0	1.5	0	21.70	43.00	63.90	84.10	103.60	122.50	140.70	158.60	176.20	194.10
3.0	1.0	0	22.40	44.60	66.20	87.20	107.40	127.00	146.00	164.50	182.90	201.40
3.0	0.5	0	21.70	43.00	63.90	84.10	103.60	122.40	140.60	158.50	176.10	193.90
2.0	1.5	0	6.60	13.00	19.00	24.60	29.80	34.60	39.00	43.20	47.30	51.50
2.0	1.0	0	7.50	14.80	21.70	28.20	34.20	39.70	44.90	49.90	54.80	59.80
2.0	0.5	0	7.50	14.80	21.60	28.10	34.10	39.60	44.70	49.70	54.50	59.40
1.5	1.0	0	3.10	6.10	8.80	11.20	13.30	15.20	16.80	18.30	19.80	21.40
1.5	0.5	o	3.40	6.60	9.50	12.10	14.50	16.50	18.30	20.00	21.60	23.30
1.0	0.5	0	1.00	1.90	2.70	3.30	3.80	4.20	4.50	4.80	5.10	5.40

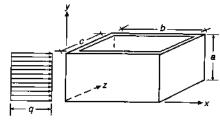
Short Side - Along Midspan (z = c/2)

	V		· · ·				_					
b/a	c/a	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	13.70	27.10	40.10	52.50	64,30	75.50	86.20	96.60	106.90	117.20
4.0	2.0	٥	-0.50	-1.20	-2.10	-3.40	-4.80	-6.50	-8.40	-10.40	-12.30	-14.30
4.0	1.5	0	-3.80	-7.60	-11.60	-15.70	-19.90	-24.00	-28.10	-32.20	-36.20	-40.30
4.0	1.0	0	-4.10	-8.30	-12.50	-16.70	-20.80	-24.80	-28.50	-32.20	-35.80	-39.50
4.0	0.5	0	-2.00	-4.00	-6.00	-7.90	-9.80	-11.70	-13.40	-15.00	-16.60	-18.60
3.0	2.0	0	2.40	4.70	6.70	8.30	9.60	10.60	11.40	12.00	12.60	13.20
3.0	1.5	0	-1.30	-2.70	-4.20	-6.00	-7.80	-9.80	-11.80	-13.80	-15.80	-17.80
3.0	1.0	ol	-2.40	-4.90	-7.50	-10.10	-12.60	-15.10	-17.40	-19.70	-21.90	-24.20
3.0	0.5	o	-1.30	-2.70	-4.10	-5.40	-6.60	-7.80	-9.00	-10.00	-11.00	-12.30
2.0	1.5	0	1.20	2.20	3.00	3.50	3.90	4.10.	4.10	4.10	4.10	4.10
2.0	1.0	o	-0.80	-1.60	-2.50	-3.50	-4.60	-5.60	-6.50	-7.50	-8.40	-9.30
2.0	0.5	O	-0.70	-1.40	-2.20	-2.80	-3.50	-4.10	-4.60	-5.10	-5.60	-6.20
1.5	1.0	0	0.00	-0.10	-0.20	-0.50	-0.80	-1.20	-1.60	-1.90	-2.30	-2.60
1.5	0.5	0	-0.40	-0.80	-1.30	-1.70	-2.00	-2.30	-2.60	-2.90	-3.10	-3.40
1.0	0.5	ol	-0.10	-0.30	-0.40	-0.60	-0.70	-0.80	-0.90	-1.00	-1.10	-1.20

CASE 6

Free Top Hinged Base

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 4.0, \frac{c}{a} =$	3.0		M	, Coe	fficie	nt .			. IV	l _y Cos	fficie	nt		_	М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.55	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.60	
	TOP	-134	0	. 0	0	_	0	668	-175	96	211	258	270	34	214	212	159	83	0
	0.9a	-165	-18	15	30	37	39	-827	-163	90	198	241	252	70	204	208	157	82	
	0.8a	-142	-27	27	53	65	69	-707	-150	84	183	222	232	70	203	207	158	83	
	0.7a	-122	-26	37	70	86	90	609	-135	78	167	201	210	69	205	210	159	83	0
Long Side	0.6a	-105	-19	45	81	98	103	-523	-118	71	149	179	187	68	210	214	162	85	0
- 1177	0.5a	-89	-10	50	86	103	108	-443	-99	63	_ 129	154	161	68	215	220	166	86	 0
	0.4a	-73	-2	52	84	100	105	-363	-79	53	107	128	133	68	220	226	169	88	<u></u>
	0.3a	-56	5	49	75	88	92	-282	-58	42	83	99	103	69	225	231	172	89	0
	0.2a	-39	9	40	59	68	71	-195	-37	30	58	68	71	69	230	235	175	90	- 6
	0.1a	-20	8	24	34	39	40	-102	-18	16	30	35	36	70	233	237	176	91	-
	BOT.	0	0	0	01	0	0	0]	- 0	0:	0	0	0	71	234	238	177	Q1	

M_z Coefficient

Short Side

		M	z Coei	fficler	ıt			M	l _y Coe	fficie	nt			M	yz Co	efficie	nt	
	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	1		0.9c	0.8c	0.7c	0.6c	
TOP	-134	0	. 0	0	0	0	-668	-291	-15	125	191	210	34	72	100	85	48	0
0.9a	-165	-34	1	18	26	29	-827	-271	-14	_ 117	179	197	70	61	94	81	46	0
0.8a	-142	-49	3	31	46	51	707	-249	-12	109	166	183	70	61	93	81	46	ō
0.7a	-122	-49	8	42	61	67	-609	-225	-9	101	152	167	69	63	95	83	47	0
0.6a	-105	-41	14	51	71	77	-523	-197	-6	91	136	149	68	66	100	87	49	0
0.5a	89	-30	20	55	75	82	-443	-166	-3	80	119	130	68	68	105	91	521	
0.4a	-73	-19	25	56	74	80	363	-133	-1	68 أ	99	108	68	72	111	96	54	ō
0.3a	-56	-9	27	53	67	72	-282	-99	_ 1	54	78	84	69	76	116	100	56	0
0.2a	-39	-2	25	43	53	56	-195	-65	3	38	54	58	69	80	120	103	58	0
0.1a	-20	2	16	26	31	33	-102	-32	2	20	28	30	70	83	123	105	59	0
BOT.	ol	0	이	이	0	. 0	0	0	01	0.	0	0	71	84	124	106	59	0

$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		M	, Coe	fficie	nt			M	l _y Coe	efficie	nt		M _{xy} Coefficient					
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8ხ	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	<u>. </u>		0.9b	0.8b	0.7b	0.6b	
	TOP	-105	0	0	0	0	0	-527	-113	123	223	263	274	101	235	222	164	85	0
	0.9a	-135	-11	18	32	38	40	-672	-105	115	208	246	256	124	227	218	162	84	0
	0.8a	-116	-15	33	56	67	70	-578	96	107	193	226	235	124	226	218	162	84	0
	0.7a	-100	-12	44	74	88	92	-500	-86	98	175	205	213	124	228	221	164	85	ō
Long Side	0.6a	-86	-6	53	86	101	105	-432	-75	89	156	182	189	124	233	225	167	86	0
-	0.5a	-74	2	58	90	106	110	-368	-62	78	135	157	163	125	238	230	170	88	0
	0.4a	-61	8	59	88	102	106	-304	49	66	112	130	135	126	244	235	173	89	0
	0.3a	48	13	54	79	90	94	-238	-35	52	87	101	104	127	249	240	176	90	
	0.2a	-33	15	44	61	69	72	-166	-22	37	60	69	72	128	254	244	178	91	0
	0.1a	-17	11	26	35	39	41	-87	-10	19	31	36	37	129	258	247	180	92	ő
	BOT.	0	이	0	0	0	0	<u> </u>	0	0	o	0	O	131	259	247	180	92	0

M_z Coefficient CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0 **Short Side**

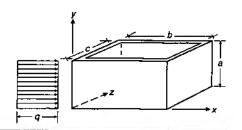
	COMMEN	5	0.20	0.50	0.40	0.50	CORNER	0.16	2.20	0.30	U.4C	0.50	CORNER	U.1C	0.2c	0.3¢	0.4c	0.5c
		0.90	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	L		0.9c	0.8c	0.7c	0.6c	
TOP	-105	0	0	0	0	0	-527	-349	-138	-14	52	73	101	34	3	12	9	Q
0.9a	-135	-47	-16	-1	6	9	-672	-322	-129	-12	50	69	124	42	5	8	7	0
0.8a	-116	-62	-23	-1	12	16	-578	-296	-117	-10	48	66	124	40	7	6	- 6	0
0.7a	-100	-59	-23	2	17	22	-500	-267	-105	-6	46	63	124	40	5	8	7	0
0.6a	-86	-50	-18	7	22	28	-432	-233	-91	-3	44.	59	124	41	2	10	9	- 0
0.5a	-74	-40	<u>-11</u>	13	27	32	-368	-196	-75	0	41	53	125	41	1	14	11	ŏ
0.4a	-61	-30	-3	18	31	35	-304	-158	-59	3	36	46	126	39	4	17	13	 0
0.3a	-48	-19	4	21	31	35	-238	-118	-42	4	30	38	127	37	7	20	14	<u> </u>
0.2a	33	-10	- 8	20	28	30	-166	-78	-27	5	22	27	128	33	11	22	16	 i
0.1a	-17	-3	7	14	18	19	-87	-38	-13	3	12	14	129	30	13	24	17	
BOT.	٥	0	0	0	0	0	0	_ 0	٥	0	0	0	131	29	14	25	17	

My Coefficient

Myz Coefficient

Free Top Hinged Base

Moment = Coef. $\times qa^2/1000$

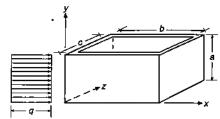


$\frac{b}{a} = 4.0, \frac{c}{a}$	= 1.5		M	k Coe	efficie	nt			M	l _y Coe	fficie	nt			N	I _{xy} Co	efficie	nt	
		CORNER		0.2b	0.3b	0.45	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
	_		0.9b	0.8b	0.7b	0.6b		7 - 1	0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	-
	TOP	-96	0	0		0	0		-88	134	228	266	276	126	244	226	165	85	0
	0.9a	-123	-8	20	32	38	40	-615	-82	125	213	248	257	144	236	223	164	85	0
	0.8a	-105	-10	35	58	68	71	-527	-75	116	197	228	237	144	235	222	164	85	0
200	0.7a	-91	-7	47	76	89	93	-455	-67	107	179	207	214	144	238	225	166	86	0
Long Side	0.6a	-79	0	56	87	102	106	-393	-58	96	159	184	190	145	242	229	169	87	Ö
	0.5a	-67	7	61	92	107	111	-335	-47	84	138	158	164	147	248	234	172	88	0
	0.4a	-55	13	62	90	103	107	-277	-36	71	114	131	135	149	254	239	175	90	0
	0.3a	-43	17	57	80	91	94	-216	-25	56	89	101	105	151	259	244	177	91	0
	0.2a	-30	17	46	62	70	72	-151	-15	39	61	70	72	153	264	248	180	92	0
	0.2a					44	4.4	001	-7	21	32	36	37	154	267	250	181	92	0
	0.1a	-16	12	27	36	40	41	-80	-/	21	52	~	37	1.55	201	200	101		
		-16 0:	0	0	0	0	0		0	01	0	ol	0	156	269	251	182	93	0
	0.1a	_	o M	_z Coe	o fficier	o it	O		O M	oi I , Coe	o fficie	o nt	a	156	269 M	251 _{yz} Coe	182 efficie	93 nt	
	0.1a	0	o M	0	0	0		0	0	01	0	ol			269	251	182 efficie 0.3c	93 nt 0.4c	0 0 0.5c
	0.1a	0	0 M 0.1c	0 2 Coe 0.2c	o fficier	0 1t 0.4c	O	0	0 M 0.1c	01 , Coe 0.2c	0 fficie 0.3c	0 nt 0.4c	a	156	269 M 0.1c	251 yz Co 6	182 efficie	93 nt	0.5c
	0.1a BOT.	O:	0 M 0.1c 0.9c	0,2c 0.2c 0.8c	0.3c . 0.7c	0.4c 0.6c	0.5c	O CORNER	0.1c 0.9c	01 y Coe 0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	156 CORNER	269 M 0.1c 0.9c	251 yz Co e 0.2c 0.8c	182 0.3c 0.7c	93 nt 0.4c	0.5c 0
	0.1a BOT.	O: CORNER -96	0.1c 0.9c	0 2 Coe 0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	O CORNER -478	0.1c 0.9c -394	0.2c 0.8c -230	0 fficie 0.3c 0.7c -129	0.4c 0.6c -73	0.5c	156 CORNER 126	269 M 0.1c 0.9c 77	251 yz Cos 0.2c 0.8c 36	182 0.3c 0.7c 17 22	93 nt 0.4c 0.6c 7	0.5c 0
	0.1a BOT. TOP 0.9a	0: corner -96 -123	0.1c 0.9c 0 -57	0 2 Coe 0.2c 0.8c 0 -28	0.3c . 0.7c . 0 -15	0.4c 0.6c 0	0.5c	O CORNER -478 -615	0.1c 0.9c -394 -362	0.2c 0.2c 0.8c -230 -214	0.3c 0.7c -129 -120	0.4c 0.6c -73 -67	0.5c -55 -50	156 CORNER 126 144	269 M 0.1c 0.9c 77 80	251 yz Coe 0.2c 0.8c 36 44	182 0.3c 0.7c	93 nt 0.4c 0.6c 7	0.5c 0 0
Short Side	0.1a BOT. TOP 0.9a 0.8a	0: corner -96 -123 -105	0.1c 0.9c 0 -57 -70	0.2c 0.8c 0 -28	0.3c 0.7c 0.7c 0 -15	0.4c 0.6c 0 -9	0.5c 0 -7 -12	O CORNER -478 -615 -527	0.1c 0.9c -394 -362 -332	0.2c 0.2c 0.8c -230 -214 -196	0.3c 0.7c -129 -120 -109	0.4c 0.6c -73 -67	0.5c -55 -50 -44	156 CORNER 126 144 144	269 0.1c 0.9c 77 80 77	251 yz Cos 0.2c 0.8c 36 44 45	182 0.3c 0.7c 17 22 24	93 nt 0.4c 0.6c 7 9	0.5c 0 0
Short Side	0.1a BOT. TOP 0.9a 0.8a 0.7a	0: corner -96 -123 -105 -91	0 0.1c 0.9c 0 -57 -70 -66	0.2c 0.8c 0.8c -28 -42,	0.3c 0.7c 0.7c 0 -15 -24 -26	0.4c 0.6c 0 -9 -15	0.5c 0 -7 -12 -12	-478 -615 -527 -455	0.1c 0.9c -394 -362 -332 -297	0.2c 0.8c -230 -214 -196 -176	0.3c 0.7c -129 -120 -96	0.4c 0.6c -73 -67 -60 -51	0.5c -55 -50 -44 -36	156 126 144 144 144	269 M 0.1c 0.9c 77 80 77 79	251 yz Coe 0.2c 0.8c 36 44 45 44	182 0.3c 0.7c 17 22 24 23	93 nt 0.4c 0.6c 7 9 10	0.5c 0 0 0
Short Side	TOP 0.9a 0.8a 0.7a 0.6a	O: CORNER -96 -123 -105 -91 -79	0 0.1c 0.9c 0 -57 -70 -66 -57	0 z Coe 0.2c 0.8c 0 -28 -42 -43 -38	0.3c 0.7c 0.7c 0 -15 -24 -26 -23	0.4c 0.6c 0 -9 -15 -16	0.5c 0 -7 -12 -12 -10 -4 2	-478 -615 -527 -455 -393	0 0.1c 0.9c -394 -362 -332 -297 -258	0 Coe 0.2c 0.8c -230 -214 -196 -176 -153	0.3c 0.7c -129 -120 -109 -96 -82	0.4c 0.6c -73 -67 -60 -51 -42	0.5c -55 -50 -44 -36 -29	156 CORNER 126 144 144 144 145	269 M 0.1c 0.9c 77 80 77 79 82	251 yz Cos 0.2c 0.8c 36 44 45 44 44	182 0.3c 0.7c 17 22 24 23 22	93 nt 0.4c 0.6c 7 9 10 10	0.5c 0 0 0
Short Side	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	O: CORNER -96 -123 -105 -91 -79 -67	0 0.1c 0.9c 0 -57 -70 -66 -57 -47	0 2 Coe 0.2c 0.8c 0 -28 -42 -43 -38 -30	0.3c 0.7c 0.7c 0 -15 -24 -26 -23 -16	0.4c 0.6c 0 -9 -15 -16 -13	0.5c 0 -7 -12 -10 -4	-478 -615 -527 -455 -393 -335	0 0.1c 0.9c -394 -362 -332 -297 -258 -218	0 0.2c 0.8c -230 -214 -196 -176 -153 -128	0.3c 0.7c -129 -120 -109 -96 -82 -67	0.4c 0.6c -73 -67 -60 -51 -42 -33	0.5c -55 -50 -44 -36 -29 -22	156 126 144 144 144 145 147	269 M 0.1c 0.9c 77 80 77 79 82 84	251 yz Cos 0.2c 0.8c 36 44 45 44 44	182 0.3c 0.7c 17 22 24 23 22 21	93 nt 0.4c 0.6c 7 9 10 10 9	0.5c 0 0 0
Short Side	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-96 -123 -105 -91 -79 -67 -55	0.1c 0.9c 0.57 -70 -66 -57 -47 -36	0.2c 0.8c 0.8c 0 -28 -42 -43 -38 -30 -20	0.3c 0.7c 0.7c 0 -15 -24 -26 -23 -16 -8	0.4c 0.6c 0.6c 0 -9 -15 -16 -13	0.5c 0 -7 -12 -12 -10 -4 2	-478 -615 -527 -455 -393 -335 -277	0.1c 0.9c -394 -362 -332 -297 -258 -218 -175	0.2c 0.8c -230 -214 -196 -176 -153 -128 -102	0.3c 0.7c -129 -120 -109 -96 -82 -67 -52	0.4c 0.6c -73 -67 -60 -51 -42 -33 -24	0.5c -55 -50 -44 -36 -29 -22 -15	156 126 144 144 144 145 147	0.1c 0.9c 77 80 77 79 82 84 85	251 yz Cos 0.2c 0.8c 36 44 45 44 44 44	182 0.3c 0.7c 17 22 24 23 22 21 20	93 nt 0.4c 0.6c 7 9 10 10 8 8	0.5c 0 0 0 0 0
Short Side	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	O: -96 -123 -105 -91 -79 -67 -55 -43	0.1c 0.9c 0.57 -70 -66 -57 -47 -36 -26	0.2c 0.8c 0.8c 0 -28 -42 -43 -38 -30 -20 -11	0.3c 0.7c 0.7c 0 -15 -24 -26 -23 -16 -8 -1	0.4c 0.6c 0.9 -15 -16 -13 -7 0	0.5c 0 -7 -12 -12 -10 -4 2	-478 -615 -527 -455 -393 -335 -277 -216	0.1c 0.9c -394 -362 -332 -297 -258 -218 -175 -132	0.2c 0.8c -230 -214 -196 -176 -153 -128 -102	0.3c 0.7c -129 -120 -109 -96 -82 -67 -52 -37	0.4c 0.6c -73 -67 -60 -51 -42 -33 -24 -16	0.5c -55 -50 -44 -36 -29 -22 -15	156 126 144 144 144 145 147 149 151	269 M 0.1c 0.9c 77 80 77 79 82 84 85 84	251 yz Cos 0.2c 0.8c 36 44 45 44 44 44 44	182 0.3c 0.7c 17 22 24 23 22 21 20 19	93 nt 0.4c 0.6c 7 9 10 10 8 7	0.5c 0 0 0 0 0

$\frac{b}{a} = 4.0, \frac{c}{a} =$	1.0		M	, Coe	fficie	nt	0	M _y Coefficient							M _{xy} Coefficient						
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b		
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8ь	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			
	TOP	- 9 2	0	0	0	0	0	-461	-78	138	230	267	276	135	248	228	166	86	0		
	0.9a	-120	-7	20	33	38	40	-598	-73	129	215	249	258	149	240	225	165	85	0		
	0.8a	-102	-8	36	58	68	71	-509	-66	120	198	229	237	149	239	224	165	86	0		
	0.7a	-87	-4	49	77	89	93	-436	-59	110	180	208	215	150	242	227	167	86	0		
Long Side	0.6a	-75	3:	58	88	103	107	-373	-50	99	161	184	191	152	247	231	169	87	0		
•	0.5a	-63	10	63	93	107	111	-315	-41	87	139	159	164	155	252	236	172	89	0		
	0.4a	-52	16	63	91	104	107	-260	-31	73	115	131	136	158	257	241	175	90	0		
	0.3a	-40	20	58	81	91	95	-202	-21	57	90	102	105	162	263	245	178	91	0		
	0.2a	-28	19	47	63	70	73	-141	-13	40	62	70	72	164	268	249	180	92	0		
	0.1a	-15	13	28	36	40	41	-75	-5	21	32	36	37	166	271	251	181	93	Ö		
	BOT.	0.	0	0	0	0	0	0	0	0	0	0	0	168	272	252	182	93	0		

		М	, Coe	fficien	t			M	, Coe	fficie	nt	Myz Coefficient						
	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	c 0.8c 0.7	0.7c	0.6c		Marie 1	0.9c	0.8c	0.7c	0.6c		1 1	0.9c	0.8c	0.70 0.60	0.6c	
TOP	-92	0	0	0	0	0	-461	-479	-368	-298	-259	-246	135	106	63	37	17	0
0.9a	-120	-76	-49	-36	-30	-29	-598	-437	-341	-278	-242	-230	149	100	67	41	20	- 0
0.8a	-102	-83	-67	-55	-48	-46	-509	-398	-312	-255	-222	-211	149	95	65	41	20	(
0.7a	-87	-76	-67	-59	-54	-53	-436	-352	-280	-229	-199	-189	150	99	67	42	20	0
0.6a	-75	-66	-60	-55	-51	-50	-373	-303	-244	-200	-174	-165	152	105	70	43	21	0
0.5a	-63	-56	-50	-46	-43	-42	-315	-255	-205	-168	-146	-139	155	109	74	46	22	0
0.4a	-52	-45	-39	-34	-32	-31	-260	-206	-164	-134	-117	-111	158	113	77	47	23	0
0.3a	-40	-33	-27	-22	-20	-19	-202	-156	-123	-100	-86	-82	162	114	78	48	23	0
0.2a	-28	-21	-15	-11	-9	-8	-141	-105	-81	-65	-56	-53	164	114	77	48	23	0
0.1a	-15	-10	-5	-3	-1	-1	-75	-52	-40	-32	-27	-26	166	113	76	47	23	0
BOT.	0	0	0	0	0	0;	0	0	0	0	0	0	168	112	75	46	22	0

 $Moment = Coef. \times qa^2/1000$



													E					<i>ك</i> د	— + x
													-	- q —-					•
$\frac{b}{a} = 4.0, \frac{c}{a} =$	0.5		N	I _x Coe	efficie	nt			N	l, Coe	efficie	nt			M	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	(1)		0.9b	0.8b	0.76	0.6b	1		0.9b	0.8b	0.7b	0.6b	1 1
	TOP	-101	0	0	0	0	0	-504	-108	125	224	264	274	112	237	223	164	85	0
	0.9a	-135	-10	19	32	38	40	-675	-101	117	209	246	256	123	229	219	163	84	0
	0.8a	-114	-14	34	57	67	70	-572	-92	109	193	227	236	122	228	219	163	85	0
	0.7a	-98	-11	45	75	88	92	-488	-82	100	176	206	213	123	231	222	165	85	0
Long Side	0.6a	-83	-3	54	86	101	106	-417	-71	90	157	183	189	125	235	226	167	87	0
	0.5a	-70	5	59	91	106	110	-351	-58	79	136	158	163	127	241	231	170	88	0
	0.4a	-57	11	60	89	103	107	-287	-45	67	113	130	135	130	246	236	173	89	0
	0.3a	-44	16	56	79	90	94	-222	-32	53	88	101	104	133	251	241	176	90	0
	0.2a	-31	17	45	61	70	72	-154	-20	37	60	69	72:	136	256	245	178	91	0
	0.1a	-16	12	27	35	40	41	-81	-9	19	31		37	138	259	247	180	92	0
	BOT.	0	0;	0	0	0	0	0	0	0	0	0	! 0	140	260	248	180	92	0
			м	, Coe	fficien	ıt			M	, Coe	fficie	nt			М	" Coe	efficie	nt	
	ı	CORNER		0.2c	0.3c	0.4c	0.5c	CORNER	0.1¢	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		STIME!	0.10	0.8c	0.3c	0.4c	0.50	OO MEA	0.1¢	0.8c	0.30	0.4c	5.00	SO: NIEN	0.9c	0.8¢	0.7c	0.4c	0.50
	TOP	-101	0.50	0.80	0.70	0.00	ō	-504	-656	-605	-570	-550	-543	112	126	79	48	23	0
	0.9a	-135	-115	-94	-80	-73	-70	-675	-600	-553	-525	-509	-504	123	87	66	43	22	0
	0.8a	-114	-109	-105	-101	-98	-97	-572	-536	-504	-481	-467	-463	122	84	59	38	19	0
	0.7a	-98	-96	-95	-95	-95	-95	-488	-467	-447	-431	-421	-418	123	89	63	41	20	0
Short Side	0.6a	-83	-82	-82	-83	-83	-83	-417	-401	-387	-375	-368	-366	125	94	68	45	22	
Short Side	0.5a	-70	-69	-69	-69	-69	-69	-351	-337	-325	-316	-310	-308	127	97	72	48	24	0
	0.4a	-57	-56	-55	-55	-54	-54	-287	-273	-262	-254	-249	-248	130	100	75	50	25	ō
	0.3a	-44	-43	-42	-41	-40	-40	-222	-209	-198	-191	-187	-185	133	102	76	51	26	0
	0.2a	-31	-29	-27	-26	-25	-25	-154	-141	-133	-127	-124	-122	136	104	77	51	26	0
	0.1a	-16	-14	-13	-11	-11	-10	-81	-72	-66	-63	-61	-60	138	104	76	50	25	O
	BOT.	0	0	0	ol	0	0	0	0	0	0	0	Ö	140	103	75	50	25	0
$\frac{b}{a} = 3.0, \frac{c}{a} =$	2.0		M	, Coe	fficie	nt			М	, Coe	fficie	nt			M	_{xy} Coe	efficie	nt	
	i	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	SOT	-74	0	0	01	0	٥	-369	-130	69	172	220	235	38	130	130	99	52	0
	0.9a	-100	-14	11	24	31	33	-502	-121	65	161	206	220	60	122	125	97	51	0
	0.8a	-88	-19	20	43	54	58	-438	-111	61	150	191	203	60	121	124	97	51	0
	0.7a	-77	-17	28	56	71	76	-386	-100	57	137	174	185	60	124	127	98	52	0
Long Side	0.6a	-68	-11	_35	66	82	87	-339	-88	52	123	156	165	61	127	131	102	54	0
-	0.5a	-59	-4	41	70	87	92	-294	-73	47	107	135	143	62	132	137	105	56	0
	0.4a	-49	2	43	70	85	89	-246	-58	41	90	112	119	62	137	143	109	58	0
	0.3a	-39	7	41	63	76	80	-195	-42	33	70	87	92	63	143	148	113	59	0
	0.2a	-28	9	35	50	59	62	-138	27	24	49	60	64	64	148	152	116	61	0
	0.1a	-15	8	21	30	34	36	-73	-13	13	26	31	33	65	152	155	118	62	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	D	66	154	156	118	62	0
			М	, Coei	fficien	it			M	, Coe	fficie	nt			M	, Coe	efficie	nt	
		CORNER		0.2c	0.3c	0.4c	0.5c	CORNER		0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
	T-55		0.9c	0.8c	0.7c	0.6c		200	0.9c	0.8c	0.7c	0.60	100	00	0.9c	0.8c	0.7c	0.6c	
	TOP	-74	.22	-7	0	12	0	-369 -502	-241	-68	36	92	109	38 60	1	24	25	15	_ 0
	0.9a	-100	-32		5	12	14 24	-502 -438	-223 -206	-63 -57	34 34	87 82	103 97	60 60	6 5	17	20	13	<u>-</u>
	0.8a 0.7a	-88 -77	-42 -40	10 -8	10 15	21 28	33	-386	-206 -186	-57 -50	33	77	91	60	5	16 17	20 21	13	0
Chart Cide	0.7a 0.6a	-68	-40 -33	-3	20	34	39	-339	-163	-42	32	71	83	61	4	20	24	15	0
Short Side	0.5a	-55 -59	-26	3	25	39	43	-294	-138	-34	30	64	74	62	2	24	27	17	0
	0.54	-49	-18	9	29	41	45	-246	-112	-25	27	55	63	62	1	28	31	19	

вот. oi Tank Analysis Results

-246

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-73

·112

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0.4a

0.3a 0.2a

0.1a

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-28

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3 - 59

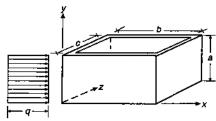
-25

-17

-10

-4

Moment = Coef. $\times qa^2/1000$



														- q					- x
													-	- q					
$\frac{b}{a} = 3.0, \frac{c}{a}$	= 1.5		N	l, Coe	efficie	nt			M	l, Coe	efficie	nt			N	l _{xy} Co	efficie	nt	
		CORNER	*****	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4Ь	0.5b	CORNER	0.1Ь	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			Q.9b	0.8b	0.7b	0.6b	
	TOP	-64	0	0	0	0	0		-97	87	182	227	240	65	141	136	102	54	0
	0.9a	-88	-10	13	25	31	33	-440	-90	81	170	212	224	82	133	132	100	53	0
	0.8a	-77	-13	24	45	56	59	-384	-83	76	158	196	207	82	133	131	100	53	0
	0.7a	-68	-10	33	60	73	78	-338	-75	71	144	179	189	82	135	134	102	54	0
Long Side	0.6a	-60	-4	40	69	85	89	-298	-6 5	64	130	160	168	84	139	138	105	55	0
•	0.5a	-52	2	45	74	89	94	-259	-54	57	113	138	146	85	144	143	109	57	o
	0.4a	-44	7	47	73	87	91	-218	-42	49	94	115	121	87	150	149	112	59	0
	0.3a	-35	11	45	66	78	81	-173	-30	39	74	90	94	89	156	154	116	61	
	0.2a	-25	12	37	52	60	63	-123	-19	28	51	62	65	90	162	158	119	62	0
	0.1a	-13	9	23	31	35	36	-66	-8	15	27	32	33	92	166	161	121	63	٥
	вот.	0	0	0	0	0	0	0	0	0	0	0	0	92	167	162	121	63	0
					fficier					, Coe						yz Co		nt	
		CORNER	0.1c	0.2¢	0.30	0.4c	0.50	CORNER	0.10	0.2c	0.3¢	0.4c	0.5c	CORNER		0.2c	0.3c	0.4¢	0.5c
		لـــــا	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7¢	0.6c		نــــا	0.9c	0.8c	0.7c	0.6c	
	TOP	-64	0	0	0	0	0	-319	-266	-136	-54	-8	7	65	39	13	3	0	0
	0.9a	-88	-39	-17	-6	-1	0	-440	-245	-127	-50	-7	7	82	43	20	8	2	0
	0.8a	-77	-48	-24	-10	-2	1	-384	-226	-116	-44	4	. 9	82	41	21	9	3	0
	0.7a	-68	-44	-24	-9	0	3	-338	-204	-104	-38	0	12	82	41	20	8	3	00
Short Side	0.6a	-60	-39	-20	-6	4	7	-298	-179	-90	-31	3	14	84	43	19	7	2	0
	0.5a	-52	-32	-14	0	8	11	-259	-152	-75	-23	6	15	85	43	18	5	1	0
	0.4a	-44	-24	ŝ	5	13	16	-218	-124	-59	-16	7	15	87	42	16	3	1	0
	0.3a	-35	-17	-2	10	17	19	-173	-94	-43	-10	8	14	89	40	13	1	2	0
	A 0-	~= 1	_	_					-		_								
	0.2a	-25	-9	3	12	17	19	-123	-62	-27	-5	7	11	90	38	10	2	3	0
	0.2a 0.1a	-25 -13	-9 -3	<u>3</u>	12 9	17 12	19 13	-123 -66	-62 -31	-27 -13	- <u>-5</u> -2		11 7	90 92	38 35	10 7	3	4	0
			_								-5 -2 0					7			0
	0.1a	-13	-3	5	9	12	13	-66	-31	-13	-2	5	7	92	35	7	3	4	0 0
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT.	-13	-3 0	5 0	9	12 0	13	-66	-31 0	-13 0	-2 0	5 0	7	92	35 33	7 6	3 4	4	0
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT.	-13 0	-3 0	5 0 1 _x Coe	9 0 efficie	12 0i	13 0	-66 0	-31 0	-13 0 , Coe	-2 0	5 0	7	92 92	35 33	7 6 xy Co e	3 4 officie	4 4 nt	0
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT.	-13	-3 0 M 0.1b	5 0 1 _x Coe	9 0 efficie 0.3b	12 0i nt	13	-66	-31 0 M 0.1b	-13 0 y Coe 0.2b	-2 0 fficie 0.3b	5 0 1t	7	92	35 33 M 0.1b	7 6 xy Co e	3 4 efficie 0.3b	4 4 nt 0.4b	0 0 0
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT.	-13 0	-3 0 M 0.1b 0.9b	5 0 1 _x Coe 0.2b 0.8b	9 0 efficie 0.3b 0.7b	12 0 nt 0.4b 0.6b	13 0 0.5b	-66 0 CORNER	-31 0 M 0.1b 0.9b	-13 0 , Coe 0.2b 0.8b	-2 0 efficie 0.3b 0.7b	5 0 1t 0.4b 0.6b	7 0 0.5b	92 92 CORNER	35 33 M 0.1b 0.9b	7 6 xy Coe 0.2b 0.8b	3 4 efficie 0.3b 0.7b	4 4 nt 0.4b 0.6b	0 0 0.5b
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT. 1.0	-13 0 CORNER	-3 0 M 0.1b 0.9b	0.2b 0.8b	9 0.3b 0.7b	12 0 nt 0.4b 0.6b	0.5b	-66 0 CORNER	-31 0 M 0.1b 0.9b -79	-13 0 y Coe 0.2b 0.8b 97	-2 0 fficie 0.3b 0.7b 187	5 0 1t 0.4b 0.6b 230	7 0 0.5b	92 92 connen	35 33 M 0.1b 0.9b 147	7 6 xy Coc 0.2b 0.8b 139	3 4 efficie 0.3b 0.7b 104	0.4b 0.6b	0.5b
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT. 1.0	-13 0 CORNER -59 -82	-3 0 0 0.1b 0.9b	5 0 x Coe 0.2b 0.8b 0	9 0.3b 0.7b 0	12 0 nt 0.4b 0.6b 0	0.5b 0 34	-66 0 CORNER -294 -410	-31 0 0.1b 0.9b -79 -74	-13 0, Coe 0.2b 0.8b 97 91	-2 0 efficie 0.3b 0.7b 187 175	5 0 1t 0.4b 0.6b 230 215	7 0 0.5b 243 227	92 92 connen 78 91	35 33 M 0.1b 0.9b 147 140	7 6 xy Coe 0.2b 0.8b 139 135	3 4 efficie 0.3b 0.7b 104 102	0.4b 0.6b 54	0 0 0.5b
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT. 1.0 TOP 0.9a 0.8a	-13 0 CORNER -59 -82 -71	-3 0 0.1b 0.9b 0 -8 -10	5 0 x Coe 0.2b 0.8b 0 14 26	9 0 efficie 0.3b 0.7b 0 26 46	12 0 0.4b 0.6b 0 32 57	0.5b 0 34 60	-66 0 CORNER -294 -410 -355	-31 0 0.1b 0.9b -79 -74 -67	-13 0 y Coe 0.2b 0.8b 97 91 85	-2 0 efficie 0.3b 0.7b 187 175 163	0.4b 0.6b 230 215	7 0 0.5b 243 227 210	92 92 CORNER 78 91 91	35 33 M 0.1b 0.9b 147 140 140	7 6 xy Coc 0.2b 0.8b 139 135 135	3 4 officie 0.3b 0.7b 104 102 102	0.4b 0.6b 54 54	0.5b 0
	0.1a BOT. TOP 0.9a 0.8a 0.7a	-13 0 CORNER -59 -82 -71 -62	-3 0 0.1b 0.9b 0.9b -8 -10 -5	5 0 x Cos 0.2b 0.8b 0 14 26 36	9 0.3b 0.7b 0 26 46 61	12 0 nt 0.4b 0.6b 0 32 57 75	0.5b 0 34 60 79	-66 0 CORNER -294 -410 -355 -310	-31 0 0.1b 0.9b -79 -74 -67 -60	-13 0 y Coe 0.2b 0.8b 97 91 85 78	-2 0 0.3b 0.7b 187 175 163 149	0.4b 0.6b 230 215 199	7 0 0.5b 243 227 210 191	92 92 corner 78 91 91 92	35 33 M 0.1b 0.9b 147 140 140 142	7 6 0.2b 0.8b 139 135 135	3 4 9fficie 0.3b 0.7b 104 102 102	0.4b 0.6b 54 54 54 55	0.5b 0 0
$\frac{b}{a} = 3.0, \frac{c}{a}$	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a	-13 0 CORNER -59 -82 -71 -62 -54	-3 0 0.1b 0.9b 0.9b -8 -10 -5	0.2b 0.8b 0.14 26 36 44	9 0 0.3b 0.7b 0 26 46 61 71	12 01 0.4b 0.6b 0 32 57 75 86	0.5b 0 34 60 79 91	-66 0 0 -294 -410 -355 -310 -271	-31 0 0.1b 0.9b -79 -74 -67 -60 -51	-13 01 y Coe 0.2b 0.8b 97 91 85 78 71	-2 0 0.3b 0.7b 187 175 163 149 133	0.4b 0.6b 230 215 199 181 162	7 0 0.5b 243 227 210 191 170	92 92 50 50 60 60 78 91 91 92 95	35 33 M 0.1b 0.9b 147 140 140 142 146	7 6 0.2b 0.8b 139 135 138 142	3 4 0.3b 0.7b 104 102 102 104 107	0.4b 0.6b 54 54 54 55 56	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-13 0 CORNER -59 -82 -71 -62 -54 -47	-3 0 0.1b 0.9b 0.9b -10 -5 1	0 0 0.2b 0.8b 0 14 26 36 44 49	9 0 0.3b 0.7b 0 26 48 61 71 76	0.4b 0.6b 0 32 57 75 86	0.5b 0 34 60 79 91 95	-66 0 0 -294 -410 -355 -310 -271 -234	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42	-13 0 y Coe 0.2b 0.8b 97 91 85 78 71 63	-2 0 0.3b 0.7b 187 175 163 149 133	0.4b 0.6b 230 215 199 181 162 140	7 0 0.5b 243 227 210 191 170 147	92 92 92 50 91 91 92 95 98	35 33 M 0.1b 0.9b 147 140 140 142 146 152	7 6 0.2b 0.8b 139 135 138 142 147	3 4 0.3b 0.7b 104 102 102 104 107	0.4b 0.6b 54 54 54 55 56 58	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39	-3 0 0.1b 0.9b 0 -8 -10 -5 1	5 0 0.2b 0.8b 0 14 26 36 44 49 50	9 0 0.3b 0.7b 0 26 46 61 71 76 75	12 0 0.4b 0.6b 0 32 57 75 86 91 88	0.5b 0 34 60 79 91 95 93	-66 0 0 -294 -410 -355 -310 -271 -234 -196	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32	-13 0 y Coe 0.2b 0.8b 97 91 85 78 71 63 54	-2 0 0.3b 0.7b 187 175 163 149 133 116 97	0.4b 0.6b 230 215 199 181 162 140 117	0.5b 243 227 210 191 170 147	92 92 92 50 78 91 91 92 95 98 101	35 33 0.1b 0.9b 147 140 140 142 146 152	7 6 0.2b 0.8b 139 135 135 138 142 147 153	3 4 0.3b 0.7b 104 102 102 104 107 111	0.4b 0.6b 54 54 54 55 56 58	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12	5 0 0.2b 0.8b 0 14 26 36 44 49 50	9 0.3b 0.7b 0 26 46 61 71 76 75 68	12 0 0 0.4b 0.6b 0 32 57 75 86 91 88 79	0.5b 0.34 60 79 91 95 93 82	-66 0 0 -294 -410 -355 -310 -271 -234 -196 -156	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -22	-13 0 y Coe 0.2b 0.8b 97 91 85 78 71 63 54	-2 0 0.3b 0.7b 187 175 163 149 133 116 97	0.4b 0.6b 230 215 199 181 162 140 117	0.5b 243 227 210 191 170 147 122 95	92 92 92 78 91 91 92 95 98 101 104	35 33 0.1b 0.9b 147 140 140 142 146 152 157 163	7 6 0.2b 0.8b 139 135 135 138 142 147 153	3 4 0.3b 0.7b 104 102 102 104 107 111 114	0.4b 0.6b 54 54 55 56 68 60	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31	-3 0 0.1b 0.9b 0.9b -10 -8 -10 -5 1 7 12 14 15	5 0 0.2b 0.8b 0 14 26 36 44 49 50 47	9 0.3b 0.7b 0.26 46 61 71 76 75 68 53	12 0 0.4b 0.6b 0 32 57 75 86 91 88 79 61	0.5b 0 34 60 79 91 95 93 82 64	-66 0 0 -294 -410 -355 -310 -271 -234 -196 -156 -111	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -22 -13	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31	-2 0.3b 0.7b 187 175 163 149 133 116 97 76	5 0 0.4b 0.6b 230 215 199 181 162 140 117 91 63	0.5b 243 227 210 191 170 147 122 95 65	92 92 92 78 91 91 92 95 98 101 104 106	35 33 0.1b 0.9b 147 140 140 142 146 152 157 163	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162	3 4 0.3b 0.7b 104 102 104 107 111 114 118	0.4b 0.6b 54 54 55 56 68 60 61	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31 -22 -12	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15	5 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39	9 0.3b 0.7b 0.26 46 61 71 76 75 68 53 31	12 0 0.4b 0.6b 0 32 57 75 86 91 88 79 61	0.5b 0 34 60 79 91 95 93 82 64 37	-666 0 0 -294 -410 -355 -310 -271 -234 -196 -156 -111	-31 0 0.1b 0.9b -79 -67 -60 -51 -42 -32 -22 -13 -6	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31	-2 0 0 0.3b 0.7b 187 175 163 149 133 116 97 76 53	5 0 0.4b 0.6b 215 199 181 162 140 117 91 63 32	0.5b 243 227 210 191 170 147 122 95 65 34	92 92 92 78 91 91 92 95 98 101 104 106 108	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165	3 4 0.3b 0.7b 104 102 104 107 111 114 118 120	0.4b 0.6b 54 54 55 56 58 60 61 62 63	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31	-3 0 0.1b 0.9b 0.9b -10 -8 -10 -5 1 7 12 14 15	5 0 0.2b 0.8b 0 14 26 36 44 49 50 47	9 0.3b 0.7b 0.26 46 61 71 76 75 68 53	12 0 0.4b 0.6b 0 32 57 75 86 91 88 79 61	0.5b 0 34 60 79 91 95 93 82 64	-66 0 0 -294 -410 -355 -310 -271 -234 -196 -156 -111	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -22 -13	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31	-2 0.3b 0.7b 187 175 163 149 133 116 97 76	5 0 0.4b 0.6b 230 215 199 181 162 140 117 91 63	0.5b 243 227 210 191 170 147 122 95 65	92 92 92 78 91 91 92 95 98 101 104 106	35 33 0.1b 0.9b 147 140 140 142 146 152 157 163	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162	3 4 0.3b 0.7b 104 102 104 107 111 114 118	0.4b 0.6b 54 54 55 56 68 60 61	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31 -22 -12	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15	5 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39 23	9 0.3b 0.7b 0.26 46 61 71 76 75 68 53 31	12 0 of t t t t t t t t t t t t t t t t t t	0.5b 0 34 60 79 91 95 93 82 64 37	-666 0 0 -294 -410 -355 -310 -271 -234 -196 -156 -111	-31 0 0.1b 0.9b -79 -67 -60 -51 -42 -32 -22 -13 -6	-13 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0	-2 0 0 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27	5 0 0.4b 0.6b 215 199 181 162 140 117 91 63 32 0	0.5b 243 227 210 191 170 147 122 95 65 34	92 92 92 78 91 91 92 95 98 101 104 106 108	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165	3 4 0.3b 0.7b 104 102 104 107 111 114 118 120	0.4b 0.6b 54 54 55 56 58 60 61 62 63	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31 -22 -12	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15	5 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39 23	9 0.3b 0.7b 0.26 46 61 71 76 75 68 53 31	12 0 of t t t t t t t t t t t t t t t t t t	0.5b 0 34 60 79 91 95 93 82 64 37	-666 0 0 -294 -410 -355 -310 -271 -234 -196 -156 -111	-31 0 0.1b 0.9b -79 -67 -60 -51 -42 -32 -22 -13 -6	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31	-2 0 0 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27	5 0 0.4b 0.6b 215 199 181 162 140 117 91 63 32 0	0.5b 243 227 210 191 170 147 122 95 65 34	92 92 92 78 91 91 92 95 98 101 104 106 108	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173 175	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165	3 4 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123	0.4b 0.6b 54 54 55 56 58 60 61 62 63 64	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31 -22 -12	-3 0 0.1b 0.9b 0.9b -10 -5 1 7 12 14 15 11	5 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39 23	9 0.3b 0.7b 0.7b 26 46 61 71 76 75 68 53 31 0	12 0.4b 0.6b 0 32 57 75 86 91 88 79 61 35 0	0.5b 0 34 60 679 91 95 93 82 64 37 0	-666 0 -294 -410 -355 -310 -271 -234 -156 -111 -60 0	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -22 -13 -6 0	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16	-2 0 0 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0	0.5b 243 227 210 191 170 147 122 95 65 34 0	92 92 92 92 78 91 91 92 95 98 101 104 106 108	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173 175	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166	3 4 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123	0.4b 0.6b 54 54 55 56 68 60 61 62 63	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31 -22 -12	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11	5 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39 23 0	9 0.3b 0.7b 0.7b 26 46 61 71 76 75 68 53 31 0	12 0.4b 0.6b 0.6b 322 57 75 86 91 88 79 61 35 0	0.5b 0 34 60 79 91 95 93 82 64 37	-666 0 0 -294 -410 -355 -310 -271 -234 -196 -156 -111	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -22 -13 -6 0	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0	-2 0 0 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0	0.5b 243 227 210 191 170 147 122 95 65 34	92 92 92 78 91 91 92 95 98 101 104 106 108	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173 175	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c	3 4 07ficie 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0.3c	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64	0.5b
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT.	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31 -22 -12 0	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11 0	5 0 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39 23 0 0 2 Coe 0.2c 0.8c	9 0.3b 0.7b 0.7b 26 46 61 71 76 75 68 53 31 0	12 0.4b 0.6b 0.6b 322 57 75 86 91 88 79 61 35 0	0.5b 0 34 60 79 91 95 93 82 64 37 0	-66 0 CORNER -294 -410 -355 -310 -271 -234 -196 -156 -111 -60 0	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -22 -13 -6 0	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0	-2 0 0 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0 1t 0.4c 0.6c	0.5b 243 227 210 191 170 147 122 95 65 34 0	92 92 92 92 78 91 91 92 95 98 101 104 106 108 109	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173 175	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c 0.8c	3 4 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0.3c 0.7c	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64	0.5b 0 0 0 0 0 0 0 0
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT.	-13 0 0 -59 -82 -71 -62 -54 -47 -39 -31 -22 -12 0	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11 0	5 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0 0 2 0	9 0 0.3b 0.7b 0 26 46 61 71 76 75 68 53 31 0	12 01 0.4b 0.6b 0 32 57 75 86 91 88 79 61 35 0	0.5b 0 34 60 79 91 95 93 82 64 37 0	-666 0 0 -294 -410 -355 -310 -271 -234 -196 -111 -60 0	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -13 -6 0	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0	-2 0 0 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0 11 0.4c 0.6c -152	0.5b 243 227 210 191 170 147 122 95 65 34 0	92 92 92 92 78 91 91 92 95 98 101 104 106 108 109	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173 175 M	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c 0.8c 38	3 4 0/fficie 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0.3c 0.7c 22	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64	0.5b 0 0 0 0 0 0 0 0
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	-13 0 CORNER -59 -82 -71 -62 -54 -47 -39 -31 -22 -12 0	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11 0	5 0 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39 23 0 0.2c 0.8c 0 -31	9 0.3b 0.7b 0 26 46 61 71 76 75 68 53 31 0 fficier 0.3c 0.7c	12 0 oint 0.4b 0.6b 0 32 57 75 86 91 88 79 61 35 0	0.5b 0 34 60 79 91 95 93 82 64 37 0	-666 0 0 -294 -410 -355 -310 -271 -234 -156 -111 -60 0	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -13 -6 0 0 0.1c 0.9c -319 -292	-13 0 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0 0.2c 0.2c 0.8c -236	-2 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0 11 0.4c 0.6c -152 -142	0.5b 243 227 210 191 170 147 122 95 65 34 0 0.5c	92 92 92 92 93 91 91 92 95 98 101 104 106 108 109	35 33 0.1b 0.9b 147 140 142 146 152 157 163 169 173 175 M 0.1c 0.9c 66	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c 0.8c 38 42	3 4 0/fficie 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0/fficie 0.3c 0.7c 22 25	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64	0.5b 0 0 0 0 0 0 0 0 0
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	-13 0 0 -59 -82 -71 -62 -54 -47 -39 -31 -22 -12 0 CORNER -59 -82 -71	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11 0 M 0.1c 0.9c	5 0 0 0.2b 0.8b 0 14 26 36 44 49 50 47 39 23 0 0.2c 0.8c 0 -31 -43	9 0 0.3b 0.7b 0 26 48 61 71 76 75 68 53 31 0	12 0 oint 0.4b 0.6b 0 32 57 75 86 91 88 79 61 35 0 0 4t 0.6c	0.5b 0 34 60 79 91 95 93 82 64 37 0	-666 0 0 -294 -410 -355 -310 -271 -234 -156 -111 -60 0 CORNER -294 -410 -355	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -13 -6 0 0.1c 0.9c -319 -292 -268	-13 0; 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0 0.2c 0.8c -236 -219 -201	-2 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0 fficier 0.3c 0.7c -182 -170 -155	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0 11 0.4c 0.6c -152 -142 -129	0.5b 243 227 210 191 170 147 122 95 65 34 0	92 92 92 92 78 91 91 92 95 98 101 104 106 108 109	35 33 0.1b 0.9b 147 140 142 146 152 157 163 173 175 M 0.1c 0.9c 66 62 59	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c 0.8c 38 42 41	3 4 0fficie 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0.3c 0.7c 22 25 25	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64 0.4c 0.6c 10 12	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a	-13 0 0 -59 -82 -71 -62 -54 -47 -39 -31 -22 -12 0 corner -59 -82 -71 -62	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11 0 0.1c 0.9c 0 -51 -56	5 0 0 0.2b 0.8b 0 144 49 50 47 39 23 0 0.2c 0.8c 0 31 43 43	9 0 0.3b 0.7b 0 26 48 61 71 76 75 68 53 31 0 0 fficier 0.3c 0.7c 0 -22 -34 -37	12 0 o o o o o o o o o o o o o o o o o o o	0.5b 0 34 60 79 91 95 93 82 64 37 0 0.5c 0 -17 -27 -31	-666 0 -294 -410 -355 -310 -271 -234 -196 -156 -111 -60 0 CORNER -294 -410 -355 -310	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -13 -6 0 0.1c 0.9c -319 -228 -239	-13 0; 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0 0.2c 0.2c 0.8c -236 -219 -201 -181	-2 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0 fficier 0.3c 0.7c -182 -170 -155 -139	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0 11 0.4c 0.6c -152 -142 -129 -115	0.5b 243 227 210 191 170 147 122 95 65 34 0 0.5c -142 -133 -121 -107	92 92 92 92 78 91 91 92 95 98 101 104 106 108 109	35 33 0.1b 0.9b 147 140 142 146 152 157 163 173 175 M 0.1c 0.9c 66 62 59 62	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c 0.8c 38 42 41 42	3 4 0/fficie 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0.3c 0.7c 22 25 25 26	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64 0.4c 0.6c 10 12 12 12	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	-13 0 0 -59 -82 -71 -62 -54 -47 -39 -31 -22 -12 0 corner -59 -82 -71 -62 -54	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11 0 0.1c 0.9c 0 -51 -56 -52 -48	5 0 0.2b 0.8b 0 144 266 366 444 499 500 477 399 23 0	9 0 0.3b 0.7b 0 26 48 61 71 76 75 68 53 31 0 0.7c 0.3c 0.7c 0 -22 -34 -37 -34	12 0 0 1 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	0.5b 0 34 60 79 91 95 93 82 64 37 0 0.5c 0 -17 -27 -31 -29	-666 0 -294 -410 -355 -310 -271 -234 -196 -156 -111 -60 0 CORNER -294 -410 -355 -310 -271	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -22 -13 -6 0 0.1c 0.9c -319 -292 -268 -239 -209	-13 0 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0 0.2c 0.8c -236 -219 -201 -181	-2 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0 fficier 0.3c 0.7c -182 -170 -155 -139 -121	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0 11 0.4c 0.6c -152 -142 -129 -115	0.5b 243 227 210 191 170 147 122 95 65 34 0 0.5c -142 -133 -121 -107 -92	92 92 92 92 78 91 91 92 95 98 101 104 106 108 109 CORNER 78 91 91 92	35 33 0.1b 0.9b 147 140 142 146 152 157 163 173 175 M 0.1c 0.9c 66 62 59 62 62	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c 0.8c 38 42 41 42 44	3 4 0fficie 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0.7c 0.7c 22 25 26 27	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64 0.4c 0.6c 10 12 12 13	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a	-13 0 0 -59 -82 -71 -62 -54 -47 -39 -31 -22 -12 0 corner -59 -82 -71 -62	-3 0 0.1b 0.9b 0 -8 -10 -5 1 7 12 14 15 11 0 0.1c 0.9c 0 -51 -56	5 0 0 0.2b 0.8b 0 144 49 50 47 39 23 0 0.2c 0.8c 0 31 43 43	9 0 0.3b 0.7b 0 26 48 61 71 76 75 68 53 31 0 0 fficier 0.3c 0.7c 0 -22 -34 -37	12 0 o o o o o o o o o o o o o o o o o o o	0.5b 0 34 60 79 91 95 93 82 64 37 0 0.5c 0 -17 -27 -31	-666 0 -294 -410 -355 -310 -271 -234 -196 -156 -111 -60 0 CORNER -294 -410 -355 -310	-31 0 0.1b 0.9b -79 -74 -67 -60 -51 -42 -32 -13 -6 0 0.1c 0.9c -319 -228 -239	-13 0; 0.2b 0.8b 97 91 85 78 71 63 54 43 31 16 0 0.2c 0.2c 0.8c -236 -219 -201 -181	-2 0.3b 0.7b 187 175 163 149 133 116 97 76 53 27 0 fficier 0.3c 0.7c -182 -170 -155 -139	0.4b 0.6b 230 215 199 181 162 140 117 91 63 32 0 11 0.4c 0.6c -152 -142 -129 -115	0.5b 243 227 210 191 170 147 122 95 65 34 0 0.5c -142 -133 -121 -107	92 92 92 92 78 91 91 92 95 98 101 104 106 108 109	35 33 0.1b 0.9b 147 140 142 146 152 157 163 173 175 M 0.1c 0.9c 66 62 59 62	7 6 0.2b 0.8b 139 135 138 142 147 153 158 162 165 166 0.2c 0.8c 38 42 41 42	3 4 0/fficie 0.3b 0.7b 104 102 104 107 111 114 118 120 122 123 0.3c 0.7c 22 25 25 26	0.4b 0.6b 54 54 55 56 68 60 61 62 63 64 0.4c 0.6c 10 12 12 12	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

-31

-22

-12

0.2a

0.1a

-23

-15

-6 0 -16

-8

-2:

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-4

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-1

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-156

-60

0 -111

-111

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-37

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-52 -25 -59

-38

-18

-47

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108

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71

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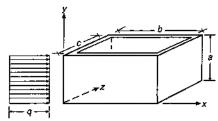
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Moment = Coef. $\times qa^2/1000$

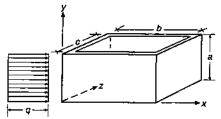


										7					1,	, #Z			
													j	- q					→ x
$\frac{b}{a} = 3.0, \frac{c}{a} =$	0.5		M	l. Cos	officie	nt			M	, Coe	officie	nt			ı M	Co	efficie	ent	
а а		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	T 0.4b	0.5b
		COHNER	0.1b	0.2b	0.7b	0.4b	0.50	COMMEN	0.1b	0.8b	0.7b	0.6b	0.50	CONNER	0.1b	0.8b	0.3b	0.45 0.6b	0.50
	TOP	-63	0.55	0.00		0.00	0	-314	-99	87	182	227	240	66	141	136	102	54	0
	0.9a	-91	-11	13	25	32	33		-91	61	170	212	224	77	133	132	100	53	0
	0.8a	-78	-13	24	45	56	59	-388	-83	76	158	196	207	76	133	131	100	53	0
	0.7a	-67	-9	34	60	74	78	-336	-74	71	144	179	189	77	136	134	102	54	0
Long Side	0.6a	-58	-2	41	70	85	90	-291	-64	64	129	160	168	80	140	138	105	55	0
	0.5a	-50	. 4	46	74	89	94	-249	-53	57	113		146	83	145	144	109	57	
	0.4a	-41	10	48	73	87	92	-207	-40	49	94	115	121	86	150	149	112	59	0
	0.3a	-33	13	46	66	78	81	-163	-29	39 28	74	89 62	94 65	90	156	154	116	60 62	0
	0.2a	-23 -12	14	38 23	53 31	61 35	63 36	-115 -61	-17 -8	15	51 27	32	33	95	161 165	158 161	118	63	0
	0.1a BOT.	-12 0	10 0	23	0	35 0			-0	0	0		0:	96	167	162	121	63	0
	BOI.	اب			U	V	V,	V			U	, 0	U.	30	107	102	121		
			М	, Coe	fficien	ıt			M	, Coe	fficie	nt			М	yz Co	efficie	nt	
		CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.30	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9¢	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	-63	0	Ö	0	0	0	-314	-435	-401	-377	-363	-358	66	82	51	31	15	0
	0.9a	-91	-76	-62	-53	-47	-46	-453	-401	-368	-348	-337	-333	77	56	42	28	14	0
	0.8a	-78	-74	-70	-67	-65	-64	-386	-361 040	-337	-320	-310	-306 -277	76 77	53 57	38	24 26	12 13	0
DI	0.7a	-67 -58	-66 -57	-65 -57	-64 -57	-64 -57	-64 -57	-336 -291	-318 -276	-301 -262	-288 -252	-280 -246	-211 -244	80	61	41 45	29	15	0,
Short Side	0.6a 0.5a	-50 -50	-57 -49	-48	-48	-37 -48	- -57	-249	-234	-202	-213	-208	-206	83	64	48	32	16	0
	0.5a	-30 -41	-40	-39	-39	-38	-38	-207	·192	-181	-172	-168	-166	86	67	50	33	17	٥
	0.3a	-33	-31	-30	-29	-28	-28	-163	-148	-137	-130	-125	-124	90	69	52	34	17	<u>ō</u>
	0.2a	-23	-21	-20	-18	-17	-17	-115	-101	-92	-86	-83	-82	93	71	52	34	17	0
	0.1a	-12	-10	-9	-8	-7	-7	-61	-52	-46	-43	-41	-40	95	71	51	34	17	Ö
	вот.	0	0	0	0	0	0	0	0	0	0	O	0	96	70	51	33	17	0
$\frac{b}{a}=2.0,\frac{c}{a}=$	1.5	-	М	, Coe	fficie	nt			M	, Coe	tficie	nt			М	ху Сон	efficie	nt	
		CORNER	0.1b	0.2b 0.8b	0.3b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
	TOP	-35	0.9b	0.80	0.7b 0	0.60	0	-177	-92	30	106	147	160	11	49	52	41	22	0
	0.9a	-54	-12	5	14	19	20	-272	-86	29	100	139	151	24	43	47	38	21	- 8
	0.8a	-49	-15	10	25	33	36	-245	-80	28	94	130	141	24	44	46	37	20	- 0
	0.7a	-45	-12	15	33	44	48	-224	-73	27	87	120	130	25	45	48	39	21	0
Long Side	0.6a	-41	-8	19	40	52	56	-204	-65	25	80	109	118	25	48	52	42	23	0
	0.5a	-36	-4	23	44	56	60	-182	-56	24	71	96	103	26	52	57	46	25	O.
	0.4a	-32	-1	26	45	56	60		-45	22	61	81	87	27	57	62	49	27	0
	0.3a	-26	3	26	43	52	55	-129	-34	19	49		69	28	62	67	53	29	0
	0.2a	-19	5	23	35	42	, 44	-94	-22	14			48	29	68	72	56		0
	0.1a	-10	. 5		22	25	26		-10	8			25	30	72	75			0
	BOT.	0	0	0	0	0	0	0	_ 0	0	0	0.	0	30	74	76	59	32	U
			М	, Coe	fficien	ıt			М	, Coe	fficie	nt			М	yz Coi	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.50	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c	l	L	0.9c	0.8c			L	L	0.9c			0.6c	
	TOP	-35	0	0	0		0	-177	-143	-45	18	55	66	11	3	9		6	0
	0.9a	-54	-21	-5	. 2	6	7		-132	-42	18		63	24			7	5	0
	0.8a	-49	-25	-7	5	11	13	-245	-124	-38	19	51	61	24	6	3	6	4	0

Short Side

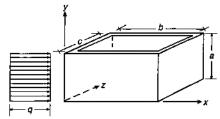
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TOP	-35	0	0	0	0	0	-177	-143	-45	18	55	66	11	3	9	10	6	0
0.9a	-54	-21	-5	. 2	6	7	-272	-132	-42	18	52	63	24	7	4	7	5	0
0.8a	-49	-25	-7	5	11	13	-245	-124	-38	19	51	61	24	6	3	6	4	0
0.7a	-45	-24	-6	8	16	18	-224	-114	-33	19	49	58	25	5	4	6	5	0
0.6a	-41	-20	-2	11	20	23	-204	-102	-28	20	46	55	25	5	6	8	6	0
0.5a	-36	-16	1	15	24	27	-182	-86	-22	20	43	50	26	3	8	11	7	0
0.4a	-32	-12	5	19	27	29	-158	-72	-16	19	38	44	27	1	12	14	9	0
0.3a	-26	-8	8	20	27	30	-129	-55	-11	17	31	36	28	2	16	17	10	0
0.2a	-19	-3	10	19	24	26	-94	-37	-5	13	23	26	29	6	20	20	12	0
0.1a	-10	0	8	13	16	17	-51	-18	-2	- 8	13	14	30	9	23	22	13	0
BOT.	0	0	0	0.	0	0	Ö	0	0	0	0	0	30	11	24	23	13	0

Moment = Coef. $\times qa^2/1000$



													1	• 1					
$\frac{b}{a} = 2.0, \frac{c}{a}$	= 1.0		N	I _x Coe	officie	nt			N	l, Coe	efficie	nt			IV	l _{xy} Co	efficle	ent	
		CORNER		0.2b	0.3b	0.45	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER	41110	0.2b	0.35	0.4b	0.5b
	TOP	-29	0.9b	0.8b	0.7b	0.65		147	0.9b	0.8b	0.7b	0.6b	1 7 7 7	- 00	0.9b	0.8b	0.7b	0.6b	
	0.9a	-46	0 -8	7	16	0 21	0 	-147 -229	-62 -58	51 48	121	159	171	28 38	59 54	58 54	45 42	24	0
	0.8a	-4 1	-9	14	28	36	39	-206	-53	46	107	140	150	38	54	53	42	22	- 6
	0.7a	-37	-6	20	38	48	51	-187	-49	43	99	129	138	39	56	55	43	23	ō
Long Side	0.6a	-34	-2	25	45	56	60	-170	-43	40	90	117	125	41	59	59	46	25	0
	0.5a	-30	2	29	49	60	64	-152	-36	37	80	103	110	43	63	64	50	27	0
	0.4a 0.3a	-27 -22	5 71	31, 30	49 46	60 55	64 58	-133 -109	-29 -21	32 27	68	86	92 73	45	68	69	54	29	0
	0.3a	-16	8	26	38	44	47	-109	-13	20	54 38	68 48	51	48 50	74 80	74 79	57 60	30 32	0
	0.1a	-9	6	17	23	26	28	44	-6	11	20	25	26	51	85	83	63	33	ŏ
	BOT.	0	0	0	0	0	0	0	0	ō	0	_	0	52	86	84	63	33	0
				100															
				, Coe			- X - E - T				fficie					yz Co		_	
		CORNER		0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER		0.2c	0.3c	0.4c	0.5c
	TOP	-29	0.9c	0.8c	0.7c	0.6c 0	0	-147	0.9c -164	0.8c -108	0.7c -70	0.6c	-40	28	0.9c 27	0.8c	0.7c	0.60	Ō
	0.9a	-46	-26	-14	-9	-6	-5	-229	-151	-100	-65	-44	-37	38	26	17	7 10	3	0.
	0.8a	-41	-30	-20	-13	-10	-8	-206	-141	-92	-59	-39	-32	38	25	17	10	5	Ŏ
	0.7a	-37	-28	-20	-14	-10	-9	-187	-129	-83	-52	-33	-27	39	26	17	10	5	0
Short Side	0.6a	-34	-25	-18	-12	-9	-7	-170	-115	-73	-44	-27	-21	41	28	18	10	5	0
	0.5a 0.4a	-30 -27	-22 -18	-15 -10	-9 -4	-5 -1	-4	-152	-101	-62 -50	-35 -27	-20	-15	43	29	18	10	5	Ō
	0.4a	-22	-13	-10	0	4	<u>'</u>	-133 -109	-84 -66	-37	-27 -18	-13 -8	 9	45 48	29 29	18 16	9 8	4	0
	0.2a	-16	-8	-1	4	7	- 8	-80	-45	-24	-11	-3	- 	50	28	14	6	2	
	0.1a	-9	-3	2	5	7	7	-44	-23	-11	-4	-1	0	51	26	12	5	1	ō
	вот.	0	0	ō	ő	o	o.	0	0	Ó	0	Ó	ő	52	24	11	4	1	
b C	вот.	-			$\overline{}$								$\overline{}$			_	4		
$\frac{b}{a} = 2.0, \frac{c}{a} =$	вот.	-	. 0		o	oÌ			ol	Ó		0	$\overline{}$		24	_		1	
$\frac{b}{a} = 2.0, \frac{c}{a} =$	вот.	-	0 M 0.1b	0 x Coe	o fficier	0 1 t 0.4b			0 M 0.1b	0 Coe	0 fficier	0 1t 0.4b	$\overline{}$		24 M 0.1b	11 xy Coc	officle	1 nt 0.4b	
$\frac{b}{a} = 2.0, \frac{c}{a} =$	BOT. = 0.5	CORNER	0 M 0.1b 0.9b	0 x Coe 0.2b 0.8b	0.35 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0 Coe	0 fficie i 0.3b 0.7b	0.4b 0.6b	0 0.5b	52 CORNER	24 M 0.1b 0.9b	11 xy Coe 0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0 0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	BOT. 0.5	CORNER -29	0.1b 0.9b	0 x Coe 0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b -65	0,2b 0.8b 60	0.3b 0.7b	0.4b 0.6b 159	0.5b	52 CORNER 27	0.1b 0.9b 58	11 xy Coe 0.2b 0.8b 58	0.3b 0.7b 45	0.4b 0.6b	0.5b
$\frac{\overline{b}}{a} = 2.0, \frac{c}{a} =$	BOT. = 0.5	CORNER	0 M 0.1b 0.9b	0 x Coe 0.2b 0.8b	0.35 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0 Coe	0 fficie i 0.3b 0.7b	0.4b 0.6b	0 0.5b	52 CORNER	0.1b 0.9b 58 53	0.2b 0.8b 58	0.3b 0.7b 45 42	0.4b 0.6b 24 23	0.5b
	TOP 0.9a	-29 -48 -42 -38	0.1b 0.9b 0 -9 -9	0.2b 0.8b 0 7 14	0.3b 0.7b 0 16 28	0.4b 0.6b 0	0.5b 0 22	0 CORNER -147 -238 -210 -188	0.1b 0.9b -65 -60	0,2b 0.8b 50 48	0.3b 0.7b 121 114	0.4b 0.6b 159	0.5b	52 CORNER 27 35	0.1b 0.9b 58	11 xy Coe 0.2b 0.8b 58	0.3b 0.7b 45	0.4b 0.6b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a	CORNER -29 -48 -42 -38 -33	0.1b 0.9b 0 -9 -9 -6 -1	0 x Coe 0.2b 0.8b 0 7 14 20 26	0.3b 0.7b 0 16 28 38 45	0.4b 0.6b 0 21 36 48 56	0.5b 0 22 29 52 60	0 CORNER -147 -238 -210 -188 -167	0.1b 0.9b -65 -60 -55 -49	0 y Coe 0.2b 0.8b 50 48 45 43	0.3b 0.7b 121 114 107 99	0.4b 0.6b 159 150 140 129	0.5b 171 161 150 138 125	27 35 34 35 38	0.1b 0.9b 58 53 53 55 58	0.2b 0.8b 58 54 53 55 59	0.3b 0.7b 45 42 42 43 46	0.4b 0.6b 24 23 22 23 25	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-29 -46 -42 -38 -33 -30	0.1b 0.9b 0.9b -9 -9 -6 -1	0 x Coe 0.2b 0.8b 0 7 14 20 26 30	0.35 0.75 0.16 28 38 45	0.4b 0.6b 0 21 36 48 56	0.5b 0.22 39 52 60 64	-147 -238 -210 -188 -167 -148	0.1b 0.9b -65 -60 -55 -49 -43	0 Coe 0.2b 0.8b 50 48 45 43 40 37	0.3b 0.7b 121 114 107 99 90 80	0.4b 0.6b 159 150 140 129 116 102	0.5b 171 161 150 138 125 109	27 35 34 35 38 41	0.1b 0.9b 58 53 53 55 58 63	11 xy Coe 0.2b 0.8b 58 54 53 55 59 64	0.3b 0.7b 45 42 42 43 46 50	0.4b 0.6b 24 23 22 23 25 27	0.5b 0.50 0.00
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-29 -48 -42 -38 -33 -30 -25	0.1b 0.9b 0 -9 -9 -6 -1	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32	0.35 0.75 0.6 28 38 45 49	0.4b 0.6b 0 21 36 48 56 61	0.5b 0.22 39 52 60 64 64	-147 -238 -210 -188 -167 -148 -126	0.1b 0.9b -65 -60 -55 -49 -43 -35	0 Coe 0.2b 0.8b 50 48 45 43 40 37	0.3b 0.7b 121 114 107 99 90 80 68	0.4b 0.6b 159 150 140 129 116 102 86	0.5b 171 161 150 138 125 109 92	52 CORNER 27 35 34 35 38 41 44	0.1b 0.9b 58 53 53 55 58 63 68	11 xy Coe 0.2b 0.8b 58 54 53 55 59 64 69	0.3b 0.7b 45 42 42 43 46 50	0.4b 0.6b 24 23 22 23 25 27 28	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	CORNER -29 -48 -42 -38 -33 -30 -25 -20	0.1b 0.9b 0 -9 -9 -6 -1 3 6	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31	0.35 0.75 0 16 28 38 45 49 50	0.4b 0.6b 0 21 36 48 56 61 61	0.5b 0 22 39 52 60 64 64 59	-147 -238 -210 -188 -167 -148 -126 -102	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28	0 y Coe 0.2b 0.8b 50 48 45 43 40 37 33 27	0.3b 0.7b 121 114 107 99 90 80 68: 54	0.4b 0.6b 159 150 140 129 116 102 86	0.5b 171 161 150 138 125 109 92 72	52 CORNER 27 35 34 35 38 41 44 48	0.1b 0.9b 58 53 53 55 58 63 68 74	11 xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74	0.3b 0.7b 45 42 42 43 46 50 53 57	0.4b 0.6b 24 23 22 23 25 27 28	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	CORNER -29 -48 -42 -38 -33 -30 -25 -20 -15	0.1b 0.9b 0.9b -9 -9 -6 -1	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32	03b 0.7b 0 16 28 38 45 49 50 47	0.4b 0.6b 0 21 36 48 56 61	0.5b 0.22 39 52 60 64 64 59	0 CORNER -147 -238 -210 -188 -167 -148 -126 -102 -74	0.1b 0.9b -65 -60 -55 -49 -43 -35	0 Coe 0.2b 0.8b 50 48 45 43 40 37	0.3b 0.7b 121 114 107 99 90 80 68	0.4b 0.6b 159 150 140 129 116 102 86 68 47	0.5b 171 161 150 138 125 109 92 72 50	27 35 34 35 38 41 44 48 51	0.1b 0.9b 58 53 53 55 58 63 68 74 80	11 xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74	0.3b 0.7b 45 42 42 43 46 50 53 57 60	0.4b 0.6b 24 23 22 23 25 27 28 30 32	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	CORNER -29 -48 -42 -38 -33 -30 -25 -20	0.1b 0.9b 0 -9 -9 -6 -1 3 6 8	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27	0.35 0.75 0 16 28 38 45 49 50	0.4b 0.6b 0 21 36 48 56 61 61 56 45	0.5b 0 22 39 52 60 64 64 59	-147 -238 -210 -188 -167 -148 -126 -102	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12	0 y Coe 0.2b 0.8b 50 48 45 43 40 37 33 27 20	0.3b 0.7b 121 114 107 99 90 80 68 54 38	0.4b 0.6b 159 150 140 129 116 102 86	0.5b 171 161 150 138 125 109 92 72	52 CORNER 27 35 34 35 38 41 44 48	0.1b 0.9b 58 53 53 55 58 63 68 74	11 xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74	0.3b 0.7b 45 42 42 43 46 50 53 57	0.4b 0.6b 24 23 22 23 25 27 28	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-29 -48 -42 -38 -33 -30 -25 -20 -15 -8	0.1b 0.9b 0 -9 -9 -6 -1 3 6 8 9	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4b 0.6b 0 21 36 48 56 61 61 56 45 27	0.5b 0.22 39 52 60 64 64 59	-147 -238 -210 -188 -167 -148 -126 -102 -74	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5	0.2b 0.8b 50 48 45 43 40 37 33 27 20	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0	0.5b 171 161 150 138 125 109 92 72 50	27 35 34 35 38 41 44 48 51	0.1b 0.9b 58 53 53 55 68 74 80 84 86	0.2b 0.8b 58 54 53 55 59 64 69 74 79 82 83	0.3b 0.7b 45 42 42 43 46 50 53 57 60 62 63	0.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33	0.5b
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-29 -48 -42 -38 -33 -30 -25 -20 -15 -8	0 0.1b 0.9b 0 -9 -9 -6 -1 3 6 8 9 7 0	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coef	0.3b 0.7b 0.7b 0 16 28 38 45 49 50 47 38 23 0	0.4b 0.6b 0 21 36 48 56 61 61 55 27 0	0.5b 0.22 39 52 60 64 64 59	-147 -238 -210 -188 -167 -148 -126 -102 -74	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0	0 Coe 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0	0.3b 0.7b 121 114 107 99 90 68 54 38 20 0	0.4b 0.6b 159 150 140 129 116 102 86 47 25 0	0.5b 171 161 150 138 125 109 92 72 50	27 35 34 35 38 41 44 48 51	24 0.1b 0.9b 58 53 53 55 68 63 68 74 80 84 86 M	111 xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74 79 82 83 0.2c 0.2c	0.3b 0.7b 45 42 42 43 46 50 53 57 60 62 63	0.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33	0.5b
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	CORNER -29 -48 -42 -38 -33 -30 -25 -20 -15 -8 0	0.1b 0.9b 0 -9 -9 -6 -1 3 6 8 9 7 0 M , 0.1c 0.9c 0	0 x Coe 0.2b 0.8b 0 7 144 20 26 30 32 31 27 17 0 Coef 0.2c 0.8c	0.3b 0.7b 0.7b 0.16 28 38 45 49 50 47 38 23 0	0.4b 0.6b 0 21 36 48 56 61 61 56 45 27 0	0.5b 0 22 39 52 60 64 59 47 28 0	0 CORNER -147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0	0 Coe 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0	0.3b 0.7b 121 114 107 99 90 68 54 38 20 0	0.4b 0.6b 159 150 140 129 116 102 86 47 25 0	0.5b 171 161 150 138 125 109 92 72 50 26 0	52 CORNER 27 35 34 35 41 44 48 51 53 54	0.1b 0.9b 58 53 55 58 63 68 74 80 84 86 M 0.1c 0.9c	110 xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74 79 82 83 yz Coe 0.2c 0.8c 25	0.3b 0.7b 45 42 42 43 46 50 53 57 60 62 63 efficie 0.3c 0.7c	0.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT.	-29 -48 -42 -38 -33 -30 -25 -20 -15 -8 0 CORNER	0.1b 0.9b 0 -9 -9 -6 -1 3 6 8 9 7 0 M , 0.1c 0.9c 0 -39	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coe 0.2c 0.8c 0 -31 -36	0.35 0.7b 0.16 28 38 45 49 50 47 38 23 0	0.4b 0.6b 0 21 36 48 56 61 61 56 45 27 0 t 0.4c 0.6c 0 -23 -33	0.5b 0 22 39 52 60 64 59 47 28 0 0.5c	-147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0 CORNER -147 -238 -210	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0 M 0.1c 0.9c -223 -208 -191	0 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0 0 0.2c 0.8c -204 -188 -176	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20 0 fficier 0.3c 0.7c -190 -176 -163	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0 1t 0.4c 0.6c -181 -169 -156	0.5b 171 161 150 138 125 109 92 72 50 26 0 0.5c -179 -167 -154	27 35 34 35 38 41 44 48 51 53 54 CORNER	0.1b 0.9b 58 53 53 55 68 74 80 84 86 0.1c 0.9c 40 26	111 2xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74 79 82 83 0.2c 0.2c 0.8c	0.3b 0.7b 45 42 42 43 46 50 53 57 60 62 63 efficies 0.3c 0.7c 15 14	nt 0.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33 nt 0.4c 0.6c 7 7 6	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.2a 0.1a BOT.	CORNER -29 -48 -42 -38 -33 -30 -25 -20 -15 -8 0 CORNER -29 -48 -42 -38	0.1b 0.9b 0.9b -9 -6 -1 3 6 8 9 7 0 .1c 0.9c 0 -39 -39	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coe 0.2c 0.8c 0 -31 -36 -35	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4b 0.6b 0 21 36 48 56 61 61 56 45 27 0 t 0.4c 0.6c 0 -23 -33 -33	0.5b 0 22 39 52 60 64 59 47 28 0 0.5c 0 -22 -32	-147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0 CORNER -147 -238 -210 -188	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0 M 0.1c 0.9c -223 -208 -191 -172	0 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0 0 0.2c 0.8c -204 -188 -175 -158	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20 0 fficier 0.3c 0.7c -190 -176 -163 -149	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0 1t 0.4c 0.6c -181 -169 -156 -142	0.5b 171 161 150 138 125 109 92 72 50 26 0 0.5c -179 -167 -154 -140	27 35 34 35 54 CORNER 27 35 34 35 35 34 35	0.1b 0.9b 58 53 53 55 68 74 80 84 86 0.1c 0.9c 40 26 25	111 2xy Coe 0.2b 0.8b 58 54 53 55 64 69 74 79 82 83 0.2c 0.8c 25 20 18 19	0.3b 0.7b 45 42 43 46 50 53 57 60 62 63 efficients 0.3c 0.7c 15 14 12 13	nt 0.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33 nt 0.4c 0.6c 7 7 6 6 6	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a 0.1a BOT. TOP 0.9a 0.8a 0.7a	CORNER -29 -48 -42 -38 -33 -30 -25 -20 -15 -8 0 CORNER -29 -46 -42 -38 -33	0.1b 0.9b 0 -9 -9 -6 -1 3 6 8 9 7 0 .1c 0.9c 0 -39 -39 -36 -32	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coe 0.2c 0.8c 0 31 -36 -35 -31	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.4b 0.6b 0 21 36 48 56 61 61 56 45 27 0	0.5b 0 22 39 62 60 64 64 59 47 28 0 0.5c 0 -22 -32 -33	-147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0 CORNER -147 -238 -210 -188 -167	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0 M 0.1c 0.9c -223 -208 -191 -172 -153	0 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0 0 0.2c 0.8c -204 -188 -175 -158 -140	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20 0 fficier 0.3c 0.7c -190 -176 -163 -149 -131	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0 1t 0.4c 0.6c -181 -169 -156 -142 -126	0.5b 171 161 150 138 125 109 92 72 50 26 0 0.5c -179 -167 -154 -140 -124	27 35 34 35 51 53 54 CORNER 27 35 34 35 38 38 38 38	0.1b 0.9b 58 53 53 55 68 74 80 84 86 0.1c 0.9c 40 26 25 27	110 xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74 79 82 83 0.2c 0.8c 25 20 18 19 22	0.3b 0.7b 45 42 43 46 50 53 57 60 62 63 efficients 0.3c 0.7c 15 14 12 13 14	nt 0.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33 nt 0.4c 0.6c 7 7 6 6 6 7	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.2a 0.1a BOT.	CORNER -49 -48 -42 -38 -33 -30 -25 -20 -15 -8 0 CORNER -48 -42 -38 -33 -30	0.1b 0.9b 0 -9 -9 -6 -1 3 6 8 9 7 0 .1c 0.9c 0 -39 -39 -36 -32 -28	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coe 0.2c 0.8c 0 -31 -36 -35 -31 -27	0 0.35 0.76 0 16 28 38 45 49 50 47 38 23 0 0.7c 0 -26 -34 -34 -31 -27	0.4b 0.6b 0 21 36 48 56 61 61 56 45 27 0	0.5b 0 22 39 62 60 64 64 59 47 28 0 0.5c 0 -22 -32 -33 -30 -26	-147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0 CORNER -147 -238 -210 -188 -167 -148	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0 M 0.1c 0.9c -223 -208 -191 -172 -153 -133	0 Coe 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0 Coe 0.2c 0.8c -204 -188 -176 -158 -140 -121	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20 0 fficier 0.3c 0.7c -190 -176 -163 -149 -131 -112	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0 1t 0.4c 0.6c -181 -169 -156 -142 -126 -107	0.5b 171 161 150 138 125 109 92 72 50 26 0 0.5c -179 -167 -154 -140 -124 -106	27 35 34 35 54 CORNER 27 35 34 35 38 41 35 34 35 34 35 38 41	0.1b 0.9b 58 53 53 55 68 74 80 84 86 0.1c 0.9c 40 26 25 27 29 32	111 2xy Coe 0.2b 0.8b 58 54 53 55 64 69 74 79 82 83 0.2c 0.8c 25 20 18 19 22 24	0.3b 0.7b 45 42 43 46 50 53 57 60 62 63 efficients 0.7c 15 14 12 13 14	10.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33 31 nt 0.4c 0.6c 7 7 6 6 6 7	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.1a BOT.	CORNER -29 -48 -42 -38 -33 -30 -25 -20 -15 -8 0 CORNER -29 -46 -42 -38 -33 -30 -25	0.1b 0.9b 0 -9 -9 -6 -1 3 6 8 9 7 0 .1c 0.9c 0 -39 -39 -36 -32	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coe 0.2c 0.8c 0 31 -36 -35 -31	0.3b 0.7b 0.7b 16 28 38 45 49 50 47 38 23 0.7c 0.7c 0.7c 0.7c 0.26 -34 -34 -31 -27 -22	0.4b 0.6b 0.6b 21 36 48 56 61 61 56 45 27 0 t 0.4c 0.6c 0.6c 0.33 -33 -30 -26 -22	0.5b 0.5b 0.22 39 52 60 64 64 59 47 28 0 0.5c 0 -22 -32 -33 -30 -26 -21	-147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0 CORNER -147 -238 -210 -188 -167 -148 -126	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0 M 0.1c 0.9c -223 -208 -191 -172 -153 -133 -111	0 Coe 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0 Coe 0.2c 0.8c -204 -188 -175 -158 -140 -121 -100	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20 0 fficier 0.3c 0.7c -190 -176 -163 -149 -131 -112 -92	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0 1t 0.4c 0.6c -181 -169 -156 -142 -126 -107 -87	0.5b 171 161 150 138 125 109 92 72 50 26 0 0.5c -179 -167 -154 -140 -124 -106	27 35 34 35 41 44 48 51 53 54 CORNER 27 35 34 35 38 41 44 44 45 31 35 34 35 38 41 44	0.1b 0.9b 58 53 53 55 58 63 68 74 80 84 86 0.1c 0.9c 40 26 25 27 29 32	111 2xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74 79 82 83 0.2c 0.8c 0.2s 18 19 22 24 26	0.3b 0.7b 45 42 43 46 50 53 57 60 62 63 efficience 0.7c 15 14 12 13 14 16 17	1 0.4b 0.6b 24 23 25 27 28 30 32 33 33 nt 0.4c 0.6c 7 7 6 6 6 7 8 9	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.2a 0.1a BOT.	CORNER -49 -48 -42 -38 -33 -30 -25 -20 -15 -8 0 CORNER -48 -42 -38 -33 -30	0.1b 0.9b 0.9 -9 -6 -1 3 6 8 9 7 0 .1c 0.9c 0 -39 -39 -36 -32 -28	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coe 0.2c 0.8c 0 -31 -36 -35 -31 -27 -23	0 0.35 0.76 0 16 28 38 45 49 50 47 38 23 0 0.7c 0 -26 -34 -34 -31 -27	0.4b 0.6b 0 21 36 48 56 61 61 56 45 27 0	0.5b 0 22 39 62 60 64 64 59 47 28 0 0.5c 0 -22 -32 -33 -30 -26	-147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0 CORNER -147 -238 -210 -188 -167 -148	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0 M 0.1c 0.9c -223 -208 -191 -172 -153 -133	0 Coe 0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0 Coe 0.2c 0.8c -204 -188 -176 -158 -140 -121	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20 0 fficier 0.3c 0.7c -190 -176 -163 -149 -131 -112	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0 1t 0.4c 0.6c -181 -169 -156 -142 -126 -107	0.5b 171 161 150 138 125 109 92 72 50 26 0 0.5c -179 -167 -154 -140 -124 -106	27 35 34 35 54 CORNER 27 35 34 35 38 41 35 34 35 34 35 38 41	0.1b 0.9b 58 53 53 55 68 74 80 84 86 0.1c 0.9c 40 26 25 27 29 32	111 2xy Coe 0.2b 0.8b 58 54 53 55 64 69 74 79 82 83 0.2c 0.8c 25 20 18 19 22 24	0.3b 0.7b 45 42 43 46 50 53 57 60 62 63 efficients 0.7c 15 14 12 13 14	10.4b 0.6b 24 23 22 23 25 27 28 30 32 33 33 31 nt 0.4c 0.6c 7 7 6 6 6 7	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.2a 0.1a BOT.	CORNER -49 -48 -42 -38 -33 -30 -25 -20 -15 -8 0 CORNER -48 -42 -38 -33 -30 -25 -20 -25 -20	0.1b 0.9b 0.9 -9 -6 -1 3 6 8 9 7 0 0.1c 0.9c 0 -39 -39 -36 -32 -28 -24 -19	0 x Coe 0.2b 0.8b 0 7 14 20 26 30 32 31 27 17 0 Coe 0.2c 0.8c 0 -31 -36 -35 -31 -27 -23 -18	0.3b 0.7b 0.7b 16 28 38 45 49 50 47 38 23 0.7c 0.7c 0.7c 0.7c -26 -34 -34 -31 -27 -22 -17	0 48 56 61 61 56 45 27 0 1	0.5b 0 22 39 52 60 64 59 47 28 0 0.5c 0 -22 -32 -33 -30 -26 -21 -16	-147 -238 -210 -188 -167 -148 -126 -102 -74 -41 0 CORNER -147 -238 -210 -188 -167 -148 -126 -102	0.1b 0.9b -65 -60 -55 -49 -43 -35 -28 -20 -12 -5 0.9c -223 -208 -191 -172 -153 -133 -111 -88	0.2b 0.8b 50 48 45 43 40 37 33 27 20 11 0 **Coe** 0.8c -176 -121 -100 -77	0.3b 0.7b 121 114 107 99 90 80 68 54 38 20 0 fficier 0.3c 0.7c -190 -176 -163 -149 -131 -112 -92 -69	0.4b 0.6b 159 150 140 129 116 102 86 68 47 25 0 11 0.4c 0.6c -181 -169 -156 -142 -126 -107 -87 -65	0.5b 171 161 150 138 125 109 92 72 50 26 0 0.5c -179 -167 -154 -140 -124 -106 -85 -63	27 35 34 41 44 48 51 35 34 35 34 35 34 35 34 35 34 35 34 35 34 41 44 48	0.1b 0.9b 58 53 53 55 58 63 68 74 80 84 86 0.1c 0.9c 40 26 25 27 29 32 35	111 2xy Coe 0.2b 0.8b 58 54 53 55 59 64 69 74 79 82 83 0.2c 0.8c 25 20 18 19 22 24 26 27	0.3b 0.7b 45 42 43 46 50 53 57 60 62 63 efficle 0.3c 0.7c 15 14 12 13 14 16 17	1 0.4b 0.6b 24 23 25 27 28 30 32 33 33 33 35 nt 0.4c 0.6c 7 7 6 6 6 7 8 9 9	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



																			→ x
													 - -	- q —					
$\frac{b}{a} = 1.5, \frac{c}{a} =$	= 1.0		N	l, Coe	efficie	nt			N	l _y Coe	efficie	nt			М	_{xy} Co	efficie	ent	_
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.35	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-18	0			. 0	0		-50	26	76	105	114	9	25	26	21	11	_ 0
	0.9a	-30	-8	3		12	13	-149	-46	25	_ 72	99	108	16	21	22	18	10	0
	0.8a	-28	-8	7	_	22	24	-138	-44	24	69	94	102	16	21	22	17	9	0
4.44	0.7a	-26	-6	10	22	29	31	-130	-41	23	65	88	96	16	23	23	18	10	0
Long Side	0.6a	-24	-4	13	26	34	37	-122	-37	22	60	81	88	17	25	25	20	11	0
	0.5a	-22	-2	16	30	38	41	-112	-33	20	54	73	79	19	28	29	23	13	0
	0.4a	-20	0	18	31	39	42	-101	-28	19	47	62	67 54	20	32	33	27	14	0
	0.3a	-17	3	18	30	37	33	-85	-21	16	38	50			37	38	30	16	<u>0</u>
	0.2a	-13 -7	4	17 12	26 17	20	21	-64 -36	-14 -6	13 7	28 15	36 19	38 20	23 24	41 46	43 46	33 36	18 19	0
	0.1a	-/		0	0	0		-30	-0		0	0	-20	25	47	47	36	19	
	вот.	U	U	0	, 0	- 0	U	U	U	U	U	U	U	23	4/	47	30	19	
			М	, Coe	fficlen	it			М	, Coe	fficie	nt			M	yz Coe	efficie	nt	
		CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.60			0.9c	0.8c	0.7c	0.6c	
	TOP	-18	0		0	0	0	-89	-95	-50	-18	0	. В	9	10	3	0	0	0
	0.9a	-30	-16	-7	-3	0	0	-149	-88	-46	-17	1	7	16	10	6	3	1	0
	0.8a	-28	-18	-9		-1	0	-138	-84	-43	-14	3	8	16	10	6	4	2	0
	0.7a	-26	-17	-9		0		-130	-78	-39 -34	-11	5 7	10 12	16 17	10 11	6 6	3	2	0
Short Side	0.6a 0.5a	-24 -22	-15 -14	-8	-2 0	4	3 6	-122 -112	-72 -64	-29	-8 -5	9	13	19	11	6	2	1	
	0.5a 0.4a	-20	-14	-3	3	7	- 9	-101	-55	-23	-2	10	14	20	11	4	1		0
	0.4a	-17	-8	0	6	10	11	-85	-44	-16	1	10	13	22	9	2	1	1	<u> </u>
	0.2a	-13	-5	3	8	11	12	-64	-30	-10	2	9,	11	23	7.	1	3	2	<u>0</u> 0
	0.1a	-7	-1	4		9	9	-36	-15	-4	2	5	7	24	5	3	5	3	<u>_</u>
	вот.	0	0	0		0	O	0	0	0	0	0	0	25	4	4	6	4	0
b c	Λ		M	, Coe	fficier	nt			М	Coe	fficier	nt			M,	, Cos	efficie	nt	
$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5									,						~,			
$\frac{3}{a} = 1.5, \frac{3}{a} =$	0.5	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2ь	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
$\frac{5}{a} = 1.5, \frac{5}{a} =$	0.5	CORNER		0.2b 0.8b			0.5b	CORNER	0.1b 0.9b	·	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b			0.4b 0.6b	0.5b
$\frac{\overline{a}}{a} = 1.5, \frac{\overline{a}}{a} =$	TOP	CORNER	0.1b 0.9b 0		0.3b	0.4b	.0	conner		0.2b	0.7b 83	0.6b 111	120	13		0.2b	0.3b		
$\frac{a}{a} = 1.5, \frac{a}{a} =$		-16 -28	0.1b 0.9b 0	0.8b 0 4	0.3b 0.7b 0	0.4b 0.6b 0 13	0	-82 -142	0.9b -41 -38	0.2b 0.8b 33 32	0.7b 83 79	0.6b 111 105	120 114	13 17	0.9b 28 24	0.2b 0.8b 28 24	0.3b 0.7b 22 19	0.6b 12 10	0
$\frac{a}{a} = 1.5, \frac{a}{a} =$	TOP	-16 -28	0.1b 0.9b 0 -7 -6	0.8b 0 4 8	0.3b 0.7b 0 10	0.4b 0.6b 0 13 23	0 14 25	-82 -142 -129	0.9b -41 -38 -35	0.2b 0.8b 33 32 31	0.7b 83 79 74	0.6b 111 105 99	120 114 107	13 17 17	0.9b 28 24 24	0.2b 0.8b 28 24 24	0.3b 0.7b 22 19	0.6b 12 10 10	0 0
	TOP 0.9a 0.8a 0.7a	-16 -28 -26 -24	0.1b 0.9b 0 -7 -6	0.8b 0 4 8 12	0.3b 0.7b 0 10 18 24	0.4b 0.6b 0 13 23 31	0 14 25 33	-82 -142 -129 -118	0.9b -41 -38 -35 -32	0.2b 0.8b 33 32 31 30	0.7b 83 79 74 70	0.6b 111 105 99 93	120 114 107 100	13 17 17 18	0.9b 28 24 24 25	0.2b 0.8b 28 24 24 25	0.3b 0.7b 22 19 19 20	0.6b 12 10 10	0 0
$\frac{b}{a} = 1.5, \frac{b}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a	-16 -28 -26 -24 -22	0.1b 0.9b 0 -7 -6 -4 -1	0.8b 0 4 8 12	0.3b 0.7b 0 10 18 24 29	0.4b 0.6b 0 13 23 31 37	0 14 25 33 40	-82 -142 -129 -118 -109	0.9b -41 -38 -35 -32 -29	0.2b 0.8b 33 32 31 30 28	0.7b 83 79 74 70 65	0.6b 111 105 99 93 85	120 114 107 100 92	13 17 17 18 20	0.9b 28 24 24 25 27	0.2b 0.8b 28 24 24 25 28	0.3b 0.7b 22 19 19 20 22	0.6b 12 10 10 11 12	0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-16 -28 -26 -24 -22	0.1b 0.9b 0 -7 -6 -4 -1 2	0.8b 0 4 8 12 16	0.3b 0.7b 0 10 18 24 29 32	0.4b 0.6b 0 13 23 31 37 41	0 14 25 33 40 43	-82 -142 -129 -118 -109 -98	0.9b -41 -38 -35 -32 -29 -24	0.2b 0.8b 33 32 31 30 28 26	0.7b 83 79 74 70 65 58	0.6b 111 105 99 93 85 76	120 114 107 100 92 82	13 17 17 18 20 22	0.9b 28 24 24 25 27 31	0.2b 0.8b 28 24 24 25 28 32	0.3b 0.7b 22 19 19 20 22 25	0.6b 12 10 10 11 12 13	0000
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-16 -28 -26 -24 -22 -20 -17	0.1b 0.9b 0 -7 -6 -4 -1 2	0.8b 0 4 8 12 16 19 21	0.3b 0.7b 0 10 18 24 29 32 34	0.4b 0.6b 0 13 23 31 37 41 42	0 14 25 33 40 43 44	-82 -142 -129 -118 -109 -98 -87	0.9b -41 -38 -35 -32 -29 -24 -20	0.2b 0.8b 33 32 31 30 28 26 24	0.7b 83 79 74 70 65 58	0.6b 111 105 99 93 85 76 65	120 114 107 100 92 82 70	13 17 17 18 20 22 25	0.9b 28 24 24 25 27 31 36	0.2b 0.8b 28 24 24 25 28 32 36	0.3b 0.7b 22 19 19 20 22 25 28	0.6b 12 10 10 11 12 13	0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-16 -28 -26 -24 -22 -20 -17 -14	0.1b 0.9b 0 -7 -6 -4 -1 2	0.8b 0 4 8 12 16 19 21	0.3b 0.7b 0 10 18 24 29 32 34 33	0.4b 0.6b 0 13 23 31 37 41 42 40	0 14 25 33 40 43 44 44	-82 -142 -129 -118 -109 -98 -87 -72	0.9b -41 -38 -35 -32 -29 -24 -20 -14	0.2b 0.8b 33 32 31 30 28 26 24 20	0.7b 83 79 74 70 65 58 51 41	0.6b 111 105 99 93 85 76 65 52	120 114 107 100 92 82 70 56	13 17 17 18 20 22 25 28	0.9b 28 24 24 25 27 31 36 41	0.2b 0.8b 28 24 24 25 28 32 36 41	0.3b 0.7b 22 19 19 20 22 25 28 32	0.6b 12 10 10 11 12 13 15	0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-16 -28 -26 -24 -22 -20 -17 -14 -11	0.1b 0.9b 0 -7 -6 -4 -1 2 4 5	0.8b 0 4 8 12 16 19 21 21	0.3b 0.7b 0 10 18 24 29 32 34 33 28	0.4b 0.6b 0 13 23 31 37 41 42 40 33	0 14 25 33 40 43 44 42 35	-82 -142 -129 -118 -109 -98 -87 -72 -54	0.9b -41 -38 -35 -32 -29 -24 -20 -14	0.2b 0.8b 33 32 31 30 28 26 24 20	0.7b 83 79 74 70 65 58 51 41	0.6b 111 105 99 93 85 76 66 52	120 114 107 100 92 82 70 56 39	13 17 17 18 20 22 25 28 31	0.9b 28 24 24 25 27 31 36 41 46	0.2b 0.8b 28 24 24 25 28 32 36 41 45	0.3b 0.7b 22 19 19 20 22 25 28 32 35	0.6b 12 10 10 11 12 13 15 17	0 0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-16 -28 -26 -24 -22 -20 -17 -14 -11	0.1b 0.9b 0 -7 -6 -4 -1 2 4 5 6	0.8b 0 4 8 12 16 19 21 21	0.3b 0.7b 0 10 18 24 29 32 34 33 28 18	0.4b 0.6b 0 13 23 31 37 41 42 40 33	0 14 25 33 40 43 44 42 35	-82 -142 -129 -118 -109 -98 -87 -72 -54	0.9b -41 -38 -35 -32 -29 -24 -20 -14	0.2b 0.8b 33 32 31 30 28 26 24 20	0.7b 83 79 74 70 65 58 51 41	0.6b 111 105 99 93 85 76 66 52	120 114 107 100 92 82 70 56 39	13 17 17 18 20 22 25 28 31	0.9b 28 24 24 25 27 31 36 41 46	0.2b 0.8b 28 24 24 25 28 32 36 41 45	0.3b 0.7b 22 19 19 20 22 25 28 32 35	0.6b 12 10 10 11 12 13 15 17	0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-16 -28 -26 -24 -22 -20 -17 -14 -11	0.1b 0.9b 0 -7 -6 -4 -1 2 4 5 6 5 0	0.8b 0 4 8 12 16 19 21 21 19 13 0	0.3b 0.7b 0 10 18 24 29 32 34 33 28 18 0	0.4b 0.6b 0 13 23 31 37 41 42 40 33 20 0	0 14 25 33 40 43 44 42 35 21	-82 -142 -129 -118 -109 -98 -87 -72 -54 -31	0.9b -41 -38 -35 -32 -29 -24 -20 -14 -9 -4 0	0.2b 0.8b 33 32 31 30 28 26 24 20 15 9 0	0.7b 83 79 74 70 65 58 51 41 30 16 0	0.6b 111 105 99 93 85 76 66 52 37 20 0	120 114 107 100 92 82 70 56 39 21	13 17 17 18 20 22 25 28 31 33	0.9b 28 24 24 25 27 31 36 41 46 50 52	0.2b 0.8b 28 24 24 25 28 32 36 41 45 49 50 0.2c	0.3b 0.7b 22 19 19 20 22 25 28 32 35 37 38	0.6b 12 10 10 11 12 13 15 17 18 19 20 nt	0 0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a 8OT.	-16 -28 -26 -24 -22 -20 -17 -14 -11 -6 0	0.1b 0.9b 0 -7 -6 -4 -1 2 4 5 6 5 0 0.1c 0.9c	0.8b 0 4 8 12 16 19 21 21 19 13 0 Coe 0.2c 0.8c	0.3b 0.7b 0 10 18 24 29 32 34 33 28 0 fficien 0.3c 0.7c 0 -14	0.4b 0.6b 0 13 23 31 37 41 42 40 33 20 0 tt 0.4c 0.6c 0 -12	0 14 25 33 40 43 44 42 35 21 0	-82 -142 -129 -118 -109 -98 -87 -72 -54 -31 0	0.9b -41 -38 -35 -32 -29 -24 -20 -14 -9 -4 0 0.1c 0.9c -129 -121	0.2b 0.8b 33 32 31 30 28 26 24 20 15 9 0 0.2c 0.8c -115 -107	0.7b 83 79 74 70 65 58 51 41 30 16 0 fficier 0.3c 0.7c -105 -98	0.6b 1111 105 99 93 85 76 65 52 37 20 0	120 114 107 100 92 82 70 56 39 21 0	13 17 17 18 20 22 25 28 31 33 34	0.9b 28 24 24 25 27 31 36 41 46 50 52 M 0.1c 0.9c 21 13	0.2b 0.8b 28 24 24 25 28 32 36 41 45 49 50 0.2c 0.8c 13	0.3b 0.7b 22 19 19 20 25 28 32 35 37 38 efficie 0.30 0.70 8 7	0.6b 12 10 10 11 12 13 15 17 18 19 20 nt 0.4c 0.6c 4	0 0 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a 8OT.	-16 -28 -26 -24 -22 -20 -17 -14 -11 -6 0	0.1b 0.9b 0 -7 -6 -4 -1 2 4 5 6 5 0 0.1c 0.9c	0.8b 0 4 8 12 16 19 21 21 19 13 0 Coe 0.2c 0.8c 0.8c -18 -21	0.3b 0.7b 0 10 18 24 29 32 34 33 28 18 0 fficien 0.3c 0.7c 0 -14 -19	0.4b 0.6b 0 13 23 31 37 41 42 40 33 20 0 0.4c 0.6c 0 -12 -18	0 14 25 33 40 43 44 42 35 21 0	-82 -142 -129 -118 -109 -98 -87 -72 -64 -31 0	0.9b -41 -38 -35 -32 -29 -24 -20 -14 -9 -4 0 0.1c 0.9c -129 -121 -113	0.2b 0.8b 33 32 31 30 28 26 24 20 15 9 0 0.2c 0.8c -115 -107 -100	0.7b 83 79 74 70 65 58 51 41 30 16 0 fficier 0.3c 0.7c -105 -98 -91	0.6b 1111 105 99 93 85 76 65 52 37 20 0	120 114 107 100 92 82 70 56 39 21 0	13 17 17 18 20 22 25 28 31 33 34 CORNER	0.9b 28 24 24 25 27 31 36 41 46 50 52 M 0.1c 0.9c 21 13	0.2b 0.8b 28 24 24 25 28 32 36 41 45 49 50 0.2c 0.8c 13 11	0.3b 0.7b 22 19 19 20 22 25 28 32 35 37 38 fficie 0.3c 0.7c 8 7	0.6b 12 10 10 11 12 13 15 17 18 19 20 nt 0.4c 0.6c 4 4 3	0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a 8OT. TOP 0.9a 0.8a 0.7a	-16 -28 -26 -24 -22 -20 -17 -14 -11 -6 0 CORNER -16 -28 -26 -24	0.1b 0.9b 0.7 -6 -4 -1 2 4 5 6 5 0 M 0.1c 0.9c 0.9c -23 -23 -22	0.8b 0 4 8 12 16 19 21 21 19 13 0 Coe 0.2c 0.8c 0.8c -18 -21 -20	0.3b 0.7b 0 10 18 24 29 32 34 33 28 18 0 fficient 0.3c 0.7c 0 -14 -19 -19	0.4b 0.6b 0 13 23 31 37 41 42 40 33 20 0 0 0 1 0.4c 0.6c 0 -12 -18 -19	0 14 25 33 40 43 44 42 35 21 0 0.5c	-82 -142 -129 -118 -109 -98 -87 -72 -54 -31 0 CORNER -82 -142 -129 -118	0.9b -41 -38 -35 -32 -29 -24 -20 -14 -9 -4 0 0.1c 0.9c -129 -121 -113 -104	0.2b 0.8b 33 32 31 30 28 26 24 20 15 9 0 0.2c 0.8c -115 -107 -100 -92	0.7b 83 79 74 70 65 58 51 41 30 16 0 fficier 0.3c 0.7c -105 -98 -91 -84	0.6b 111 105 99 93 85 76 65 52 37 20 0 0 1 1 0.4c 0.6c -99 -92 -86 -79	120 114 107 100 92 82 70 56 39 21 0	13 17 17 18 20 22 25 28 31 33 34 CORNER	0.9b 28 24 24 25 27 31 36 41 46 50 52 M 0.1c 0.9c 21 13 12 14	0.2b 0.8b 28 24 24 25 28 32 36 41 45 49 50 0.2c 0.8c 13 11	0.3b 0.7b 22 19 19 20 22 25 28 32 35 37 38 fficie 0.3c 0.7c 8 7	0.6b 12 10 10 11 12 13 15 17 18 19 20 nt 0.4c 0.6c 4 4 3 3	0 0 0 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a 8OT. TOP 0.9a 0.8a 0.7a 0.6a	-16 -28 -26 -24 -22 -20 -17 -14 -11 -6 0 CORNER -16 -28 -26 -24 -22	0.1b 0.9b 0.7 -6 -4 -1 2 4 5 6 5 0 0.1c 0.9c 0.9c -23 -23 -22 -20	0.8b 0 4 8 12 16 19 21 21 19 13 0 0.2c 0.8c 0.8c -18 -21 -20 -19	0.3b 0.7b 0 10 18 24 29 32 34 33 28 18 0 fficient 0.3c 0.7c 0 -14 -19 -19 -18	0.4b 0.6b 0 13 23 31 37 41 42 40 33 20 0 0.4c 0.6c 0 -12 -18 -19 -18	0 14 25 33 40 43 44 42 35 21 0 0.5c	-82 -142 -129 -118 -109 -98 -87 -72 -54 -31 0 corner -82 -142 -129 -118 -109	0.9b -41 -38 -35 -32 -29 -24 -20 -14 -9 -4 0 0.1c 0.9c -129 -121 -113 -104 -94	0.2b 0.8b 33 32 31 30 28 26 24 20 15 9 0 0.2c 0.8c -115 -107 -100 -92 -83	0.7b 83 79 74 70 65 58 51 41 30 16 0 fficier 0.3c 0.7c -105 -98 -91 -84 -75	0.6b 111 105 99 93 85 76 65 52 37 20 0 0 1t 0.4c 0.6c -99 -92 -86 -79 -70	120 114 107 100 92 82 70 56 39 21 0 0.5c	13 17 17 18 20 22 25 28 31 33 34 CORNER 13 17 17 18 20	0.9b 28 24 24 25 27 31 36 41 46 50 52 M 0.1c 0.9c 21 13 12 14 15	0.2b 0.8b 28 24 24 25 28 32 36 41 45 49 50 0.2c 0.8c 13 11 9 10 12	0.3b 0.7b 22 19 19 20 22 25 28 32 35 37 38 2fficie 0.3c 0.7c 8 7	0.6b 12 10 10 11 12 13 15 17 18 19 20 nt 0.4c 0.6c 4 4 3 3 4	0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.4a 0.2a 0.1a 8OT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-16 -28 -26 -24 -22 -20 -17 -14 -11 -6 0 CORNER -16 -28 -26 -24 -22 -20	0.1b 0.9b 0.7 -6 -4 -1 2 4 5 6 5 0 0.1c 0.9c 0.9c -23 -23 -22 -20 -18	0.8b 0 4 8 12 16 19 21 21 19 13 0 2.Coe 0.2c 0.8c 0.2c 0.8c -18 -21 -20 -19 -17	0.3b 0.7b 0 10 18 24 29 32 34 33 28 18 0 fficient 0.3c 0.7c 0 -14 -19 -19 -18 -16	0.4b 0.6b 0 13 23 31 37 41 42 40 33 20 0 0.4c 0.6c 0 -12 -18 -19 -18 -16	0 14 25 33 40 43 44 42 35 21 0 0.5c 0 -12 -18 -19 -16	-82 -142 -129 -118 -109 -98 -87 -72 -54 -31 0 corner -82 -142 -129 -118 -109 -98	0.9b -41 -38 -35 -32 -29 -24 -20 -14 -9 -4 0 0.1c 0.9c -129 -121 -113 -104 -94 -84	0.2b 0.8b 33 32 31 30 28 26 24 20 15 9 0 0.2c 0.8c -115 -107 -100 -92 -83 -73	0.7b 83 79 74 70 65 58 51 41 30 16 0 fficier 0.3c 0.7c -105 -98 -91 -84 -75 -65	0.6b 111 105 99 93 85 76 65 52 37 20 0 1t 0.4c 0.6c -99 -92 -86 -79 -70 -60	120 114 107 100 92 82 70 56 39 21 0 0.5c	13 17 17 18 20 22 25 28 31 33 34 CORNER 13 17 17 18 20 22	0.9b 28 24 24 25 27 31 36 41 46 50 52 M 0.1c 0.9c 21 13 12 14 15 18	0.2b 0.8b 28 24 25 28 32 36 41 45 49 50 0.2c 0.8c 13 11 9 10 12	0.3b 0.7b 22 19 19 20 22 25 28 32 35 37 38 2fficie 0.3c 0.7c 8 7 6 7	0.6b 12 10 10 11 12 13 15 17 18 19 20 nt 0.4c 0.6c 4 3 3 4 4	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a 8OT. TOP 0.9a 0.8a 0.7a 0.6a	-16 -28 -26 -24 -22 -20 -17 -14 -11 -6 0 CORNER -16 -28 -26 -24 -22	0.1b 0.9b 0.7 -6 -4 -1 2 4 5 6 5 0 0.1c 0.9c 0.9c -23 -23 -22 -20	0.8b 0 4 8 12 16 19 21 21 19 13 0 0.2c 0.8c 0.8c -18 -21 -20 -19	0.3b 0.7b 0 10 18 24 29 32 34 33 28 18 0 fficient 0.3c 0.7c 0 -14 -19 -19 -18	0.4b 0.6b 0 13 23 31 37 41 42 40 33 20 0 0.4c 0.6c 0 -12 -18 -19 -18	0 14 25 33 40 43 44 42 35 21 0 0.5c	-82 -142 -129 -118 -109 -98 -87 -72 -54 -31 0 corner -82 -142 -129 -118 -109	0.9b -41 -38 -35 -32 -29 -24 -20 -14 -9 -4 0 0.1c 0.9c -129 -121 -113 -104 -94	0.2b 0.8b 33 32 31 30 28 26 24 20 15 9 0 0.2c 0.8c -115 -107 -100 -92 -83	0.7b 83 79 74 70 65 58 51 41 30 16 0 fficier 0.3c 0.7c -105 -98 -91 -84 -75	0.6b 111 105 99 93 85 76 65 52 37 20 0 0 1t 0.4c 0.6c -99 -92 -86 -79 -70	120 114 107 100 92 82 70 56 39 21 0 0.5c	13 17 17 18 20 22 25 28 31 33 34 CORNER 13 17 17 18 20	0.9b 28 24 24 25 27 31 36 41 46 50 52 M 0.1c 0.9c 21 13 12 14 15	0.2b 0.8b 28 24 24 25 28 32 36 41 45 49 50 0.2c 0.8c 13 11 9 10 12	0.3b 0.7b 22 19 19 20 22 25 28 32 35 37 38 2fficie 0.3c 0.7c 8 7 6	0.6b 12 10 10 11 12 13 15 17 18 19 20 nt 0.4c 0.6c 4 4 3 3 4	0 0 0 0 0 0 0 0 0 0 0 0

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Tank Analysis Results

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BOT.

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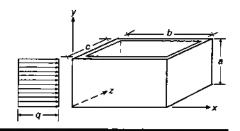
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-22

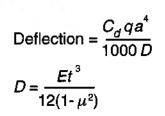
-10

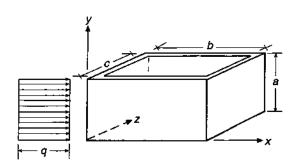
Moment = Coef. $\times qa^2/1000$



$\frac{D}{a} = 1.0, \frac{C}{a} =$	= 0.5		M	l _x Coe	fficie	nt			M	l, Coe	fficie	nt			М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0. 8 b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-7	0:	Õ	0	0		-36	-19	17	42	57	62	4	9	9	7	4	. 0
	0.9a	-13	-4	1	4	6	7	-64	-18	17	41	55	60	5	6	. 6	5	3	0
	0.8a	-12	-4	3	8	10		-61	-17	16	39	53	57	5	6	6	4	2	0
	0.7a	-12	-2	5	10	14	15		-16	16	38	51	55	5	6	6	5	3	0
Long Side	0.6a	-11	-1	7	13	16	18		-15	15	36	48	52	6	7	7	6	3	Ó
-	0.5a	-11	0	8	15	f9	20	-54	-14	14	_33	44	48	7	9	9	7	4	0
	0.4a	-10	0	9	16	20	22	-50	-13	13	30	40	43	9	12	12	9	5	0
	0.3a	-9	1	10	17	20	22	-44	-10	12	25	33	35	11	15	15	12	6	0
	0.2a	-7	2	10	15	19	20	-35	-7	9		24	26	13	19	19	15	8	. 0
	0.1a	-4	2	7	11	13	13	-21	-3	6	11	13	14	14	22	22	17	9:	0
	BOT.	0	0	0	0	0	0	0	0	0	0	0	0	15	24	23	17	. 9	0
			М	, Coe	fficier	ıt			M	l, Coe	efficie	nt			M	_{yz} Cos	efficie	nt	
		CORNER		Coe	fficier	0.4c	0.5c	CORNER		0.2c	officie 0.3c	nt 0.4c	0.5c	CORNER		yz Co 6	officie	nt 0.4c	0.5c
		CORNER					0.5c	CORNER					0.5c	CORNER					0.5c
	TOP	-7	0.1c	0.2c	0.3c	0.4c	0		0.1c 0.9c -53	0.2c	0.3c 0.7c -35	0.4c 0.6c -31	-29	4	0.1c	0.2c 0.8c 4	0.3c	0.4c	0.5c D
	TOP 0.9a	-7 -13	0.1c 0.9c 0	0.2c 0.8c 0	0.3c 0.7c 0 -5	0.4c 0.6c 0 -4	0	-36 -64	0.1c 0.9c -53 -50	0.2c 0.8c -43 -40	0.3c 0.7c -35 -33	0.4c 0.6c -31 -29	-29 -28	4	0.1c 0.9c	0.2c 0.8c 4 3	0.3c 0.7c	0.4c	
		-7	0.1c 0.9c	0.2c 0.8c 0 -6 -8	0.3c 0.7c 0 -5 -6	0.4c 0.6c 0 -4 -6	0 -3 -5	-36 -64 -61	0.1c 0.9c -53 -50 -48	0.2c 0.8c -43 -40 -38	0.3c 0.7c -35 -33 -31	0.4c 0.6c -31 -29 -27	-29 -28 -26	4 5 5	0.1c 0.9c 7	0.2c 0.8c 4 3	0.3c 0.7c 2 2 2	0.4c	D
	0.9a 0.8a 0.7a	-7 -13 -12 -12	0.1c 0.9c 0 -9 -10	0.2c 0.8c 0 -6 -8	0.3c 0.7c 0 -5 -6	0.4c 0.6c 0 -4 -6 -6,	0 -3 -5	-36 -64 -61 -58	0.1c 0.9c -53 -50 -48 -46	0.2c 0.8c -43 -40 -38 -36	0.3c 0.7c -35 -33 -31 -29	0.4c 0.6c -31 -29 -27 -25	-29 -28 -26 -23	4 5 5	0.1c 0.9c 7 4 4	0.2c 0.8c 4 3 3	0.3c 0.7c 2 2 2 2	0.4c	D
Short Side	0.9a 0.8a 0.7a 0.6a	-7 -13 -12 -12 -11	0.1c 0.9c 0 -9 -10 -10	0.2c 0.8c 0 -6 -8 -8	0.3c 0.7c 0 -5 -6 -7	0.4c 0.6c 0 -4 -6 -6	0 -3 -5 -6	-36 -64 -61 -58 -56	0.1c 0.9c -53 -50 -48 -46	0.2c 0.8c -43 -40 -38 -36 -34	0.3c 0.7c -35 -33 -31 -29 -26	0.4c 0.6c -31 -29 -27 -25 -22	-29 -28 -26 -23 -21	4 5 5 5	0.1c 0.9c 7 4 4 4 5	0.2c 0.8c 4 3 3 3	0.3c 0.7c 2 2 2 2	0.4c	D D
Short Side	0.9a 0.8a 0.7a	-7 -13 -12 -12	0.1c 0.9c 0 -9 -10 -10 -9	0.2c 0.8c 0 -6 -8 -8 -8	0.3c 0.7c 0 -5 -6. -7 -7	0.4c 0.6c 0 -4 -6 -6 -6	9 -5 -6 -6	-36 -64 -61 -58 -56 -54	0.1c 0.9c -53 -50 -48 -46 -44	0.2c 0.8c -43 -40 -38 -36 -34 -30	0.3c 0.7c -35 -33 -31 -29 -26 -23	0.4c 0.6c -31 -29 -27 -25 -22 -19	-29 -28 -26 -23 -21 -17	4 5 5 5 6 7	0.1c 0.9c 7 4 4 4 5	0.2c 0.8c 4 3 3	0.3c 0.7c 2 2 2 2	0.4c	0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-7 -13 -12 -12 -11 -11,	0.1c 0.9c 0 -9 -10 -10 -9 -9	0.2c 0.8c 0 -6 -8 -8 -8 -7 -7	0.3c 0.7c 0 -5 -6 -7	0.4c 0.6c 0 -4 -6 -6 -6 -6	0 -3 -5 -6 -6 -6 -4	-36 -64 -61 -58 -56 -54 -50	0.1c 0.9c -53 -50 -48 -46 -44 -40 -36	0.2c 0.8c -43 -40 -38 -36 -34 -30 -26	0.3c 0.7c -35 -33 -31 -29 -26 -23 -19	0.4c 0.6c -31 -29 -27 -25 -22 -19 -15	-29 -28 -26 -23 -21 -17 -13	4 5 5 5 6 7	0.1c 0.9c 7 4 4 4 5 6	0.2c 0.8c 4 3 3 3 4 5	0.3c 0.7c 2 2 2 2 3 3 3	0.4c 0.6c 1 1 1 1 1 2	0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-7 -13 -12 -12 -11 -11, -10	0.1c 0.9c 0 -9 -10 -10 -9 -9 -8 -7	0.2c 0.8c 0 -6 -8 -8 -8 -7 -7	0.3c 0.7c 0 -5 -6 -7 -7 -6 -5 -4	0.4c 0.6c 0 -4 -6 -6 -6 -6 -5 -3	9 -5 -6 -6	-36 -64 -61 -58 -56 -54 -50 -44	0.1c 0.9c -53 -50 -48 -46 -44 -40 -36	0.2c 0.8c -43 -40 -38 -36 -34 -30 -26 -21	0.3c 0.7c -35 -33 -31 -29 -26 -23 -19	0.4c 0.6c -31 -29 -27 -25 -22 -19 -15	-29 -28 -26 -23 -21 -17	4 5 5 5 6 7 9	0.1c 0.9c 7 4 4 4 5 6 7	0.2c 0.8c 4 3 3 3 4 5 5	0.3c 0.7c 2 2 2 2 3 3 4	0.4c 0.6c 1 1 1 1 2 2	0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-7 -13 -12 -12 -11 -11 -10 -9 -7	0.1c 0.9c 0 -9 -10 -10 -9 -9 -8 -7 -5	0.2c 0.8c 0 -6 -8 -8 -7 -7 -5 -3	0.3c 0.7c 0 -5 -6 -7 -7 -6 -5 -4 -2	0.4c 0.6c 0 -4 -6 -6 -6 -5 -3	0 -3 -5 -6 -6 -4 -3 0	-36 -64 -61 -58 -56 -54 -50 -44 -35	0.1c 0.9c -53 -50 -48 -46 -44 -40 -36 -30 -23	0.2c 0.8c -43 -40 -38 -36 -34 -30 -26 -21 -14	0.3c 0.7c -35 -33 -31 -29 -26 -23 -19 -14	0.4c 0.6c -31 -29 -27 -25 -22 -19 -15 -10	-29 -28 -26 -23 -21 -17 -13 -9 -4	4 5 5 5 6 7 9 11 13	0.1c 0.9c 7 4 4 4 5 6 7 8	0.2c 0.8c 4 3 3 3 4 5 6 6	0.3c 0.7c 2 2 2 3 3 4 3	0.4c 0.6c 1 1 1 1 1 2	0 0 0 0
Short Side	0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-7 -13 -12 -12 -11 -11, -10	0.1c 0.9c 0 -9 -10 -10 -9 -9 -8 -7	0.2c 0.8c 0 -6 -8 -8 -8 -7 -7	0.3c 0.7c 0 -5 -6 -7 -7 -6 -5 -4	0.4c 0.6c 0 -4 -6 -6 -6 -6 -5 -3	0 -3 -5 -6 -6 -6 -4 -3	-36 -64 -61 -58 -56 -54 -50 -44	0.1c 0.9c -53 -50 -48 -46 -44 -40 -36	0.2c 0.8c -43 -40 -38 -36 -34 -30 -26 -21	0.3c 0.7c -35 -33 -31 -29 -26 -23 -19	0.4c 0.6c -31 -29 -27 -25 -22 -19 -15	-29 -28 -26 -23 -21 -17 -13 -9	4 5 5 5 6 7 9	0.1c 0.9c 7 4 4 4 5 6 7	0.2c 0.8c 4 3 3 3 4 5 5	0.3c 0.7c 2 2 2 2 3 3 4	0.4c 0.6c 1 1 1 1 2 2	D 0 0 0 0

CASE 7





Deflection Coefficients, C_d

Long Side - Along Midheight (y = a/2)

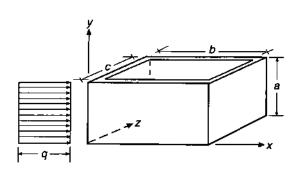
	X	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a	c/a		0.9b	0.8b	0.7b	0.6b	
4.0	3.0	0	8.20	20.50	29.50	34.40	35.90
4.0	2.0	0	9.20	21.40	30.10	34.80	36.30
4.0	1.5	0	10.20	22.30	30.80	35.30	36.70
4.0	1.0	0	11.30	23.40	31.50	35.80	37.20
4.0	0.5	0	11.60	23.60	31.60	35.90	37.30
3.0	2.0	0	5.60	14.40	21.70	26.20	27.70
3.0	1.5	0	6.60	15.50	22.70	27.10	28.50
3.0	1.0	0	7.70	16.70	23.80	28.00	29.40
3.0	0.5	0	8.00	17.00	24.00	28.20	29.60
2.0	1.5	0	2.70	7.00	10.90	13.50	14.40
2.0	1.0	٥ _i	3.70	8.30	12.40	15.00	15.90
2.0	0.5	0,	4.10	8.80	12.90	15.60	16.50
1.5	1.0	0	1.70	4.10	6.20	7.60	8.10
1.5	0.5	0	2.20	4.70	7.00	8.50	9.00
1.0	0.5	٥	0.70	1.60	2.30	2.80	3.00

Short Side - Along Midheight (y = a/2)

	Z	END	0.1c	0.2c	0.3c	0.4c	0.5c
b/a	c/a		0.9c	0.8c	0.7c	0.6c	
4.0	3.0	0	4.60	13.10	20.50	25.20	26.80
4.0	2.0	0	1.10	4.50	8.10	10.60	11.50
4.0	1.5	0	-0.40	0.60	1.90	3.00	3.30
4.0	1.0	0	-1.20	-1.80	-2.00	-2.00	-2.00
4.0	0.5	Ð	-0.80	-1.40	-1.90	-2.10	-2.20
3.0	2.0	0	1.30	4.80	8.40	11.00	11.90
3.0	1.5	Ð	-0.30	0.80	2.20	3.30	3.70
3.0	1.0	0	-1.10	-1.60	-1.80	-1.80	-1.80
3.0	0.5	0	-0.80	-1.40	-1.80	-2.00	-2.10
2.0	1.5	0	0.30	1.70	3.40	4.50	5.00
2.0	1.0	0	-0.80	-1.00	-0.90	-0.80	-0.80
2.0	0.5	0	-0.60	-1.10	-1.40	-1.60	-1.70
1.5	1.0	0	-0.30	-0.20	0.10	0.30	0.40
1,5	0.5	0	-0.50	-0.80	-1.00	-1.10	-1.20
1.0	0.5	0	-0.20	-0.40	-0.40	-0.50	-0.50

CASE 7

Deflection = $\frac{C_d q a^4}{1000 D}$ $D = \frac{Et^3}{1000 D}$



Deflection Coefficients, C_d

Long Side - Along Midspan (x = b/2)

b/a	C/8	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	2.00	7.40	15.30	25.00	35.90	47.70	59.80	72.10	84.50	96.80
4.0	2.0	o	2.00	7.40	15.40	25.20	36.30	48.20	60.50	73.00	85.50	98.10
4.0	1,5	o	2.00	7.50	15.60	25.50	36.70	48.70	61.20	73.90	86.60	99.40
4.0	1.0	0	2.10	7.60	15.70	25.80	37.20	49.40	62.00	74.90	87.80	100.80
4.0	0.5	0	2.10	7.60	15.80	25.80	37.30	49.50	62.20	75.10	88.00	101.00
3.0	2.0	0	1.60	5.90	12.10	19.50	27.70	36.30	45.10	53.90	62.60	71.40
3.0	1.5		1.70	6.10	12,40	20.10	28.50	37.40	46.50	55.60	64.70	73.80
3.0	1.0	0	1.70	6.20	12.80	20.70	29.40	38.70	48.10	57.50	67.00	76.40
3.0	0.5	0	1.70	6.30	12.80	20.80	29.60	38.90	48.40	57.90	67.40	77.00
2.0	1.5	٥	1.00	3.40	6.70	10.50	14.40	18.30	22.20	25.90	29.50	33.20
2.0	1.0	0	1.10	3.70	7.30	11.50	15.90	20.40	24.70	29.00	33.10	37.30
2.0	0.5	0	1.10	3.80	7.60	11.90	16.50	21.10	25.60	30.00	34.30	38.70
1.5	1.0	0	0.60	2.10	4.00	6.10	8.10	10.00	11.80	13.50	15.10	16.70
1.5	0.5	0	0.70	2.30	4.40	6.70	9.00	11.10	13.20	15.10	16.90	18.80
1.0	0.5	o	0.30	0.90	1.70	2.40	3.00	3.50	3.90	4.30	4.70	5.00

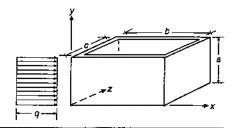
Short Side - Along Midspan (z = c/2)

b/a	da	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	1.60	5.70	11.70	18.90	26.80	35.00	43.40	51.80	60.10	68.50
4.0	2.0	o	0.80	2.80	5.50	8.50	11.50	14.50	17.30	20.00	22.60	25.30
4.0	1.5	_ 0	0.30	1.10	1.90	2.70	3.30	3.80	4.10	4.30	4.40	4.60
4.0	1.0	0	0.00	-0.20	-0.60	-1.30	-2.00	-2.90	-3.90	-4.80	-5.80	-6.70
4.0	0.5	0	-0.10	-0.50	-1.00	-1.50	-2.20	-2.90	-3.50	-4.20	-4.80	-5.50
3.0	2.0	0	0.80	2.90	5.60	8.70	11.90	14.90	17.90	20.70	23.40	26.20
3.0	1.5	0	0.40	1.20	2.10	2.90	3.70	4.20	4.60	4.90	5.20	5.50
3.0	1.0	0	0.00	-0.20	-0.50	-1.10	-1.80	-2.60	-3.50	-4.30	-5.20	-6.00
3.0	0.5	0	-0.10	-0.50	-0.90	-1.50	-2.10	-2.70	-3.30	-3.90	-4.50	-5.10
2.0	1.5	0	0.40	1.40	2.60	3.90	5.00	5.90	6.80	7.50	8.20	8.90
2.0	1.0	0	0.00	0.00	-0.10	-0.40	-0.80	-1.30	-1.80	-2.40	-2.90	-3.40
2.0	0.5	0	-0.10	-0.40	-0.70	-1.20	-1.70	-2.10	-2.60	-3.00	-3.40	-3.90
1.5	1.0	0	0.10	0.30	0.40	0.50	0.40	0.20	0.00	-0.20	-0.50	-0.70
1.5	0.5	0	-0.10	-0.30	-0.50	-0.80	-1.20	-1.50	-1.80	-2.10	-2.30	-2.60
1.0	0.5	0:	0.00	-0.10	-0.20	-0.40	-0.50	-0.60	-0.70	-0.80	-0.90	-1.00

CASE 7

Free Top Fixed Base

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 4.0, \frac{c}{a} =$	3.0		M	, Coe	fficie	nt			M	, Coe	fficle	nt			М	_{xy} Co:	efficie	nt	
		CORNER	0.15	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5ხ	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8ხ	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8ь	0.7b	0.6b	
	TOP	-68	0.	0	0	0	0	-338	-41	51	64	58	54	4	. 83	74	50	24	0
	0.9a	-75		7	9	8	7	-373	-38	47	58	51	48	10	79	74	50	24	0
	0.8a	-61	9	7	8	5	4	-303	-34	41	50	43	40	9	79	74	50	24	0
	0.7a	-49	-11	1	-2	-8	-11	-247	-29	35	40	33	30	8	79	73	50	24	0
Long Side	0.6a	-39	-13	-11	-21	-31	-36	-197	-24	27	28	21	18	8	79	72	48	23	0
	0.5a	-30	-18	-30	-50	-66	-72	-150	-20	17	15	7	4	7	76.	69	45	21	0
	0.4a	-21	-26	-56	-89	-112	-120	-105	-17	5	0	-9	-12	6	71	64	41	19	0
	0.3a	-13	-38	-91	-139	-169	-179	-64	-14	-7	-17	-26	-29	5	62]	55	34	15	0
	0.2a	-6	-55	-137	-202	-239	-251	-28	-14	-22	-35	-44	-47	4	49	42	25	11	0
	0.1a	-1	-78	-194	-277	-322	-3 <u>36</u>	-5	-16	-37	-54	-63	-66	2	29	24	. 14	6	0
	BOT.	0	-108	-265	-367	-418	-433	0	-22	-53	-73	-84	-87	0	0	0	0	0	. 0
			M	, Coef	ficien	t			М	, Coe	fficier	nt			M,	, Coe	efficie	nt	

Short Side

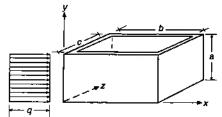
															-			
	CORNER	0.1c	0.2c	0.30	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	-68	0	0	0	Ő	0	-338	-88	31	74	87	89	4	67	71	54	28	0
0.9a	-75	-12	5	11	13	14	-373	-80	28	68	79	81	10	62	68	53.	28	0
0.8a	-61	-16	6	15	18	18	-303	-71	26	60	69	71.	9	62	68	53	29	0
0.7a	-49	-15	4	12	13	13	-247	-62	22	51	57	58	8	62	69	53	29	0
0.6a	-39	-14	-1	1	-1	-3	-197	-51	18	40	44	44	8	62	69	53	28	0
0.5a	-30	-13	-12	-18	-26	-29	-150	-40	12	27	28	28	7	61	68	52	27	0
0.4a	-21	-16	-28	-46	-60	-66	-105	-30	5	13	11	10	6	57	64	48	25	0
0.3a	-13	-22	-52	-84	-107	-115	-64	-21	-3	-3	-7	-9	5	51	57	42	22	0
0.2a	-6	-32	-84	-134	-167	-178	-28	-15	-13	-20	-26	-29	4	41	45	32	16	ō
0.1a	-1	-45	-126	-197	-241	-256	-5	-11	-24	-37	-46	-49	2	25	27	19	9	0
вот.	0	-61	-180	-275	-331	-349	0	-12	-36	-55	-66	-70	a	ō	0	0	0	0

$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		M	, Coe	fficie	nt			M	y Coe	fficier	nt			M	_{xy} Coe	efficie	nt	
		CORNER	0.1b	0.2b	0.3ь	0.4ь	0.5ь	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6ь			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-56	0	0	0	0	0	-281	-28	53	63	· 56	52	15	84	73	49	23	Ö.
	0.9a	-65	-4	7	8	7	7	-323	-26	49	57	501	46	25	81	_ 73	49	24	0
	0.8a	-53	-7	7	7	4	3	-267	-23	43	49	42	38	24	80	73	49	23	0
	0.7a	-44	ģ	1	į,	-9	-12	-221	-20	36	39	32	28	23	80	72	48	23	. 0
Long Side	0.6a	-36	-13	-12	-23	-33	-37	-180	-17	28	27	20	16	21	80	71	47	22	0
	0.5a	-28	-18	-31	-52	-68	-74	-140	-14	17	14	6	3	19	77	68	44	20	0
	0.4a	-20	-28	-59 -	-92	-114	-122	-100	-13	5	-1	-10	-13	17	72	63	39	18	0.
	0.3a	-13	-42	-96	-143	-172	-182	-63	-12	-8	-18	-27	-30	14	63	54	33	15	. 0
	0.2a	-6	-61	-143	-207	-243	-254	-29	-14	-23	-36	-45	-48	10	50	41	24	11	0
	0.1a	-1	-87	-202	-283	-326	-339		-18	-39	-55	-64	-67	5	30	23	13	6	0
	BOT.	0	-120	-276	-374	-422	-437	0	-24	-55	-75	-84	-87	0	0	0	0	0	0

			M	1 _z Coef	fficier	ıt			M	l, Coe	fficler	nt			M	l _{yz} Coe	efficie	nt	
		CORNÉR	0.10	0.20	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.40	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		1′	0.9c	0.8c	0.7c	0.6c	 ′	1'	0.9c	0.8c	0.7c	0.6c	L'	<u> </u>	0.9c	0.8c	0.7c	0.6c	1!
	TOP	-56	0	0	0'	0	0	-281	-126	-7	58	90	100	15	28	39	33	18	0
	0.9a	-65	-18	0	9	14	15	-323	-115	-6	54	83	92	25	23	35	31	18	0
	0.8a	-53	-21	2	15	23	25	-267	-102	-5	49	75	83	24	24	35	31	18	0
	0.7a	-44	-17	4'	18	26	29	-221	-68	-3	44	66	73	23	25	37	32	18	0
a	0.6a	-36	-12	6	18	24	26	-180	-72	-2	37	56	61	21	26	39	34	19	0
-	0.5a	-28	-7	5	13	17	18	-140	-55	-1	29	43	47	19	27	40	35	20	0
	0.4a	-20	-5	1'	2	1	1	-100	-40	-1	20	29	32	17	27	40	35	20	0
	0.3a	-13	-5	-8	-16	-23	-25	-63	-26	-2	10	14	15	14	27	38	32	18	_ 0
	0.2a	-6	-8	-24	-44	-58	-64	-29	-14	-5	-2	-2	-3	10	23	32	27	15	0
	0.1a	-1	-14	-47	-83	-108	-117	7 -5	-7	' -9	-15	-19	-21	5	15	20	17	9	0
	BOT.	. 6	-19	-79	-137	-175	-188	3 0	-4	-16	-27	-35	-38	0	1 0'	1 0	0	0	0

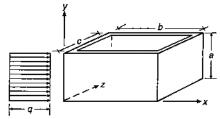
Short Side

Moment = Coef. $\times qa^2/1000$



													Γ	- q					
$\frac{b}{a}=4.0,\frac{c}{a}$	= 1.5		N	/I _x Coe	efficie	nt			N	l, Coe	efficle	nt			М	_{xy} Co	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	<u></u>		0.9b	0.8b	0.7b	0.6b	
	TOP	-47	0	- 0	8		0		-14	56	62	54	50		85	72	48	23	0
	0.9a	-55 -46	-2 -4	 	7	7	6 2	-276 -230	-13 -11	51 45	56 48	48 40	44 36	38 37	82 82	72 72	48	23	0
	0.8a 0.7a	-38	-7	1	-4		-13	-192	-10	38	38	30	26		82	72	48 47	23 22	0
Long Side	0.7a	-32	-11	-12	-24	-35	-39	-158	-10	29	26	18	15	34	82	70	45	21	
Hong Gras	0.5a	-25	-18	-33	-54	-70	-76	-125	-8	18	13	5	1	32	79	67	42	19	0
	0.48	-18	-30	-62	-95	-117	-125	-92	-8	5	-3	-11	-14	28	74	61	38	17	ŏ
	0.3a	-12	-46	-101	-147	-176	-185	-59	-10	-9	-19	-26	-31	23	65	52	31	14	ō
	0.2a	-6	-68	-150	-212	-247	-258	-28	-14	-24	-37	-46	-49	17	51	40	23	10	0
	0.1a	-1	-97	-211	-289	-330	-343	-6	-19	-41	-56	-65	-68	. 9	30	23	13	5.	0.
	BOT.	0	-134	-287	-381	-427	-440	0	-27	-57	-76	-85	-88	D	0	0	0	0	0
				100						79.3	1.1.7					1,79	10	-2	
		CODNEC		, Coe			۸۶۸	BODNED			fficie		0.50	l annier			efficie		- A F.
		CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c	0.4c	0.50	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c	0.40	0.5c
	TOP	-47	0.90	0.80	0.70	0.00	0	-235	-139	-39	22	54	65	31	0.9c	12	0.7c 13	0.6c 8	0
	0.9a	-55	-21	-5	4.	8	9	-276	-125	-35	21	51	61	38	5	8	10	6	
	0.8a	-46	-23	-5	7	14	16	-230	-111	-30	20	48	57	37	4	8	10	6	0
	0.7a	-38	-18	-1	11	19	21	-192	-95	-25	20	44	52	36	3	9	11	7	0
Short Side	0.6a	-32	-12	3	15	22	24	-158	-78	-19	19	40	46	34	2	11	13	8	Ö
	0.5a	-25	-6	7	17	23	25	-125	-60	-13	17	34	39	32	0	14	15	9	. 0
	0.4a	-18	-2	9	16	20	21	-92	-42	-8	14	26	30	26	3	16	17	. 10	0
	0.3a	-12	1	8	10	11	11	-59	-27	-4	10	17	19	23	6	17	17	10	0
	0.2a	-6	2	2	-2	-6	-7	-28	-14	-2	4	7	8	17	7	16	16	9	
	0.1a	-1 0	1	-9	-23	-34	-38	-6,	-4	-2	-3	-4	-5	9	6	12	11	6	0
	IBOT.																		
	50	0,	0	-27	-57	-78	-86	0.	0	-5	-11	-16	-17	0	0	D	0	0	0
b c		01	0	-21	-3/	•/8	-86	0,	0	-5	-11	-16	-17	01	O)	ַ וְט		U	
$\frac{b}{a} = 4.0, \frac{c}{a} =$			M	I _x Coe	fficie	nt		0.	М	, Coe	fficie			- 01			officie		<u>u</u>
$\frac{b}{a} = 4.0, \frac{c}{a}$		CORNER	M 0.1b	l _x Coe	fficie 0.3b	nt 0.4b	-86 0.5b	CORNER	M 0.1b	y Coe 0.2b	fficie:	n t 0.4b	-17 0.5b	CORNER	M ,	, Cos	officie	nt 0.4b	0.5b
$\frac{b}{a} = 4.0, \frac{c}{a}$	= 1.0	CORNER	0.1b 0.9b	0.2b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	y Coe 0.2b 0.8b	fficie i 0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	M ,	0.2b	0.3b 0.7b	0.4b 0.6b	0.5b
$\frac{b}{a} = 4.0, \frac{c}{a}$	= 1.0	COHNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b 0	-194	0.1b 0.9b	y Coe 0.2b 0.8b 59	0.3b 0.7b 61	0.4b 0.6b 52	0.5b 47	CORNER	0.1b 0.9b 87	0.25 0.85	0.3b 0.7b 46	0.45 0.65 22	0.5b 0
$\frac{b}{a} = 4.0, \frac{c}{a} =$	TOP 0.9a	-39 -45	0.1b 0.9b 0	0.2b 0.8b 0.8	0.3b 0.7b 0	0.4b 0.6b 0	0.5b	-194 -227	0.1b 0.9b 1	y Coe 0.2b 0.8b 59 54	0.3b 0.7b 61 55	0.4b 0.6b 52 46	0.5b 47 42	CORNER 45 50	0.1b 0.9b 67 85	0.25 0.85 71 71	0.3b 0.7b 46 46	0.4b 0.6b 22 22	0.5b 0 0
$\frac{b}{a} = 4.0, \frac{c}{a} =$	TOP 0.9a 0.8a	-45 -38	0.1b 0.9b 0	0.2b 0.8b 0 8	0.3b 0.7b 0 8	0.4b 0.6b 0 6	0.5b 0 6	-194 -227 -188	0.1b 0.9b 1 1	0.2b 0.8b 59 54 48	0.3b 0.7b 61 55 47	0.4b 0.6b 52 46 38	0.5b 47 42 34	45 50	0.1b 0.9b 87 85 84	0.26 0.86 71 71 71	0.3b 0.7b 46 46 46	0.4b 0.6b 22 22 22	0.5b 0 0
	TOP 0.9a	-39 -45 -38 -31	0.1b 0.9b 0	0.2b 0.8b 0.8	0.3b 0.7b 0 8 6	0.4b 0.6b 0	0.5b 0	-194 -227 -188 -157	0.1b 0.9b 1 1 1	0.2b 0.8b 59 54 48	0.3b 0.7b 61 55 47	0.4b 0.6b 52 46 38 28	0.5b 47 42 34 25	45 50 50 49	0.1b 0.9b 87 85 84 84	0.2b 0.8b 71 71 71 71	0.3b 0.7b 46 46 46 45	0.4b 0.6b 22 22 22 22	0.5b 0 0
$\frac{b}{a} = 4.0, \frac{c}{a}$	TOP 0.9a 0.8a 0.7a	-45 -38	0.1b 0.9b 0 0 -1	0.2b 0.8b 0 8 8	0.3b 0.7b 0 8	0.4b 0.6b 0 6 3	0.5b 0 6 1 -15	-194 -227 -188	0.1b 0.9b 1 1	0.2b 0.8b 59 54 48	0.3b 0.7b 61 55 47	0.4b 0.6b 52 46 38	0.5b 47 42 34	45 50 50 49	0.1b 0.9b 67 85 84 84	0.2b 0.8b 71 71 71 70 69	0.3b 0.7b 46 46 46 45	0.4b 0.6b 22 22 22 21 20	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a	-39 -45 -38 -31 -26	0.1b 0.9b 0 0 -1 -4 -9	0.2b 0.8b 0.8b 0 8 8 1	0.3b 0.7b 0 8 6 -5	0.4b 0.6b 0 6 3 -12 -37	0.5b 0 6 1 -15	-194 -227 -188 -157 -129	0.1b 0.9b 1 1 1 1	0.2b 0.8b 59 54 48 40 30	0.3b 0.7b 61 55 47 37 25	0.4b 0.6b 52 46 38 28	0.5b 47 42 34 25 13	45 50 50 49	0.1b 0.9b 87 85 84 84	0.2b 0.8b 71 71 71 71	0.3b 0.7b 46 46 46 45	0.4b 0.6b 22 22 22 22	0.5b 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-39 -45 -38 -31 -26 -21 -15	0.1b 0.9b 0 0 0 -1 -4 -9 -18 -31	0.2b 0.8b 0.8b 0 8 8 1 -13 -35 -65	0.3b 0.7b 0.7b 8 6 -5 -26 -57 -99	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179	0.5b 0 6 1 -15 -41 -76 -127 -188	-194 -227 -188 -157 -129 -103 -76 -50	0.1b 0.9b 1 1 1 1 0 -1	0.2b 0.8b 59 54 48 40 30	0.3b 0.7b 61 55 47 37 25 12 -4	0.4b 0.6b 52 46 38 28 17 3 -12	0.5b 47 42 34 25 13 0 -15	45 50 50 49 48 46 42 36	0.1b 0.9b 87 85 84 84 84 81 75	0.2b 0.8b 71 71 71 70 69 65	0.3b 0.7b 46 46 46 45 44 41 36 30	0.4b 0.6b 22 22 22 21 20 19	0.5b 0 0 0 0
	TOP 0.9a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-39 -45 -38 -31 -26 -21 -15 -10	0.1b 0.9b 0 0 -1 -4 -9 -18 -31 -49	0.2b 0.8b 0 8 8 1 -13 -35 -65 -106	0.3b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251	0.5b 0 6 1 -15: -41 -76: -127 -188 -261	-194 -227 -188 -157 -129 -103 -76 -50 -25	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13	0.2b 0.8b 59 54 48 40 30 18 5	0.3b 0.7b 61 55 47 37 25 12 -4 -21	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47	0.5b 47 42 34 25 13 0 -15 -32 -49	45 50 50 49 48 46 42	0.1b 0.9b 87 85 84 84 84 81 75	0.2b 0.8b 71 71 71 70 69 65	0.3b 0.7b 46 46 46 45 44 41 36	0.4b 0.6b 22 22 22 21 20 19	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-39 -45 -38 -31 -26 -21 -15 -10 -5	0.1b 0.9b 0 0 -1 -4 -9 -18 -31 -49 -75 -108	0.2b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221	0.3b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251 -335	0.5b 0 6 1 -15: -41 -78: -127 -188 -261 -346	-194 -227 -188 -157 -129 -103 -76 -50 -25 -6	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47 -66	0.5b 47 42 34 25 13 0 -15 -32 -49 -69	45 50 50 49 48 46 42 36 27	M, 0.1b 0.9b 87 85 84 84 84 81 75 66 51	0.2b 0.8b 71 71 71 70 69 65 60	0.3b 0.7b 46 46 46 45 44 41 36 30	0.4b 0.6b 22 22 21 20 19 16 13 9	0.5b 0 0 0 0
	TOP 0.9a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-39 -45 -38 -31 -26 -21 -15 -10	0.1b 0.9b 0 0 -1 -4 -9 -18 -31 -49	0.2b 0.8b 0 8 8 1 -13 -35 -65 -106	0.3b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251	0.5b 0 6 1 -15: -41 -76: -127 -188 -261	-194 -227 -188 -157 -129 -103 -76 -50 -25	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13	0.2b 0.8b 59 54 48 40 30 18 5	0.3b 0.7b 61 55 47 37 25 12 -4 -21	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47	0.5b 47 42 34 25 13 0 -15 -32 -49	45 50 50 49 48 46 42 36 27	M, 0.1b 0.9b 87 85 84 84 84 81 75 66	0.26 0.86 71 71 71 70 69 65 60 51	0.3b 0.7b 46 46 46 45 44 41 36 30 22	0.4b 0.6b 22 22 22 21 20 19 16 13	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-39 -45 -38 -31 -26 -21 -15 -10 -5	0.1b 0.9b 0 0 -1 -4 -9 -16 -31 -49 -75 -108 -151	0.2b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221	0.3b 0.7b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296 -388	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251 -335 -431	0.5b 0 6 1 -15: -41 -78: -127 -188 -261 -346	-194 -227 -188 -157 -129 -103 -76 -50 -25 -6	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13 -21	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58	0.4b 0.6b 52 46 38 17 3 -12 -29 -47 -66 -86	0.5b 47 42 34 25 13 0 -15 -32 -49 -69	45 50 50 49 48 46 42 36 27	M, 0.1b 0.9b 87 85 84 84 81 75 66 51 31	0.2b 0.8b 71 71 70 69 65 60 51 38 22 0	0.3b 0.7b 46 46 45 44 41 36 30 22 12	0.4b 0.6b 22 22 21 20 19 16 13 9 5	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-39 -45 -38 -31 -26 -21 -15 -10 -5	0.1b 0.9b 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151	0.2b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221 -300	0.3b 0.7b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296 -388	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251 -335 -431	0.5b 0 6 11 -15: -41 -78: -127 -188 -261 -346 -444	-194 -227 -188 -157 -129 -103 -76 -50 -25 -6	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13 -21	0.2b 0.8b 59 54 48 40 30 18 5 -26 -43 -60	0.3b 0.7b 61 55 47 25 12 -4 -21 -39 -58 -78	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47 -66 -86	0.5b 47 42 34 25 13 0 -15 -32 -49 -69	45 50 50 49 48 46 42 36 27 15	M, 0.1b 0.9b 67 85 84 84 84 81 75 66 51 31 0	0.2b 0.8b 71 71 71 70 69 65 60 51 38 22 0	0.3b 0.7b 46 46 46 45 44 41 36 30 22 12 0	0.4b 0.6b 22 22 21 20 19 16 13 9 5 0	0.5b 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-39 -45 -38 -31 -26 -21 -15 -10 -5 -1	0.1b 0.9b 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151	0.2b 0.8b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221 -300	0.3b 0.7b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296 -388	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251 -335 -431 tt 0.4c	0.5b 0 6 1 -15: -41 -78: -127 -188 -261 -346	-194 -227 -188 -157 -129 -103 -76 -50 -25 -6	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13 -21	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58	0.4b 0.6b 52 46 38 17 3 -12 -29 -47 -66 -86	0.5b 47 42 34 25 13 0 -15 -32 -49 -69	45 50 50 49 48 46 42 36 27	M, 0.1b 0.9b 87 85 84 84 81 75 66 51 31 0	0.2b 0.2b 71 71 71 70 69 65 60 51 38 22 0	0.3b 0.7b 46 46 45 44 41 36 30 22 12 0	0.4b 0.6b 22 22 21 20 19 16 13 9 5	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	-39 -45 -38 -31 -26 -21 -15 -10 -5 -1 0	0.1b 0.9b 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151 M 0.1c 0.9c 0	0.2b 0.8b 0.8b 1 -13 -35 -65 -106 -157 -221 -300 0.2c 0.8c 0	0.3b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296 -388 fficier 0.3c 0.7c 0	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251 -335 -431 tt 0.4c	0.5b 0 6 11 -15: -41 -78: -127 -188 -261 -346 -444	-194 -227 -188 -157 -129 -103 -76 -50 -25 -6	0.1b 0.9b 1 1 1 1 0 -1 -4 -4 -8 -13 -21 -30 M 0.1c 0.9c -156	y Coe 0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60 y Coe 0.2c 0.8c -90	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58 -78	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47 -66 -86	0.5b 47 42 34 25 13 0 -15 -32 -49 -69	45 50 50 49 48 46 42 36 27 15	M, 0.1b 0.9b 67 85 84 84 84 81 75 66 51 31 0	0.2b 0.8b 71 71 71 70 69 65 60 51 38 22 0	0.3b 0.7b 46 46 46 45 44 41 36 30 22 12 0	0.4b 0.6b 22 22 22 21 20 19 16 13 9 5 0	0.5b 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT.	-39 -45 -38 -31 -26 -21 -15 -10 -5 -1 0	0.1b 0.9b 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151 M 0.1c 0.9c 0 -26	0.2b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221 -300 0.2c 0.8c 0 -14	0.3b 0.7b 0.8 6 -5 -26 -57 -99 -152 -217 -296 -388 fficier 0.3c 0.7c 0	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251 -335 -431 tt 0.4c 0.6c 0 -4	0.5b 0 6 1 -15 -41 -78 -127 -188 -261 -346 -444 0.5c	-194 -227 -188 -157 -129 -103 -76 -50 -25 -6 0 0 CORNER -194 -227	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13 -21 -30	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60 0.2c 0.8c -90 -81	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58 -78 fficler 0.3c 0.7c -48 -43	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47 -66 -86 0.4c 0.6c -25 -22	0.5b 47 42 34 25 13 0 -15 -32 -49 -69 -89	45 50 50 49 48 46 42 36 27 15 0	M, 0.1b 0.9b 87 85 84 84 84 81 75 66 51 31 0 M, 0.1c 0.9e 27 27	0.2b 0.8b 71 71 70 69 65 60 51 38 22 0 0.2c 0.8c 12 16	0.3b 0.7b 46 46 45 44 41 36 30 22 12 0 0.3c 0.7c 6 8	0.4b 0.6b 22 22 21 20 19 16 13 9 5 0; nt 0.4c 0.6c	0.5b 0 0 0 0 0 0 0 0
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	CORNER -39 -45 -38 -31 -26 -21 -15 -10 -5 -1 0 CORNER -39 -45 -38 -31 -26 -21	0.1b 0.9b 0 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151 M 0.1c 0.9c 0 -26 -26 -21 -15 -9	0.2b 0.8b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221 -300 0.2c 0.8c 0 -14 -16 -12 -7 -1	0.3b 0.7b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296 -388 fficier 0.3c 0.7c -7 -9 -6 -1 -6 -1	0.4b 0.6b 0 6 3 -12 -37 -73 -120 -179 -251 -335 -431 tt 0.4c 0.6c 0 -4 -5 -2 3 10	0.5b 0 6 1 -15 -41 -78 -127 -188 -261 -346 -444 0.5c 0 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	-194 -227 -188 -157 -129 -103 -76 -50 -25 -6 0 CORNER -194 -227 -188 -157 -129 -103	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13 -21 -30 M 0.1c 0.9c -156 -139 -122 -103 -84 -64	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60 0.2c 0.8c -90 -81 -71 -60 -47 -35	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58 -78 0.3c 0.7c -48 -43 -37 -30 -22 -14	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47 -66 -86 1t 0.4c 0.6c -25 -22 -17 -12 -6 -1	0.5b 47 42 34 25 13 0 -15 -32 -49 -69 -89 -89 -17 -15 -11 -6 -1 3	CORNER 45 50 49 48 46 42 36 27 15 0 CORNER 45 50 49 48 46 48 46	M, 0.1b 0.9b 87 85 84 84 81 75 66 51 31 0 M, 0.1c 0.9c 27 27 28 28 26	0.2b 0.8b 71 71 70 69 66 60 51 38 22 0 0.2c 0.8c 12 16 16 16 16 15	0.3b 0.7b 46 46 45 44 41 36 30 22 12 0 0.7c 6 8 9 8 8	0.4b 0.6b 22 22 21 20 19 16 13 9 5 0: nt 0.4c 0.6c 2 4 4 4 3 2	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
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Long Side	TOP 0.9a 0.5a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.3a	CORNER -39 -45 -38 -31 -26 -21 -15 -10 -5 -1 0 CORNER -39 -45 -38 -31 -26 -21 -15 -10	0.1b 0.9b 0 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151 -151 -26 -26 -21 -15 -9 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	0.2b 0.8b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221 -300 0.2c 0.8c 0.2c 0.8c 0 -14 -16 -12 -7 -1 6 11	0.3b 0.7b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296 -388 fficier 0.3c 0.7c 0.7c -7 -9 -6 -1 -6 12 17	0.4b 0.6b 0.6 3 -12 -37 -73 -120 -179 -251 -335 -431 at 0.4c 0.6c 0 -4 -5 -2 3 10 16 20	0.5b 0 6 1 -15 -41 -78 -127 -188 -261 -346 -444 0.5c 0 5 11 17 21	CORNER -194 -227 -188 -157 -129 -103 -76 -50 -25 -6 0 CORNER -194 -227 -188 -157 -129 -103 -76 -50 -50	0.1b 0.9b 1 1 1 1 1 0 -1 -4 -8 -13 -21 -30 M 0.1c 0.9c -156 -139 -122 -103 -84 -64 -64 -46 -28	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60 0.2c 0.8c -90 -81 -71 -60 -47 -35 -23 -12	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58 -78 0.3c 0.7c -48 -43 -37 -30 -22 -14 -7	0.4b 0.6b 52 46 38 17 3 -12 -29 -47 -66 -86 1t 0.4c 0.6c -25 -22 -17 -12 -6 -1 3 5	0.5b 47 42 34 25 13 0 -15 -32 -49 -69 -89 -89 -81 -17 -15 -11 -6 -6 -8	CORNER 45 50 50 49 48 46 42 36 27 15 0 CORNER 45 50 49 48 46 42 36 49 48 46 42 36	0.1b 0.9b 87 85 84 84 81 75 66 51 31 0 M, 0.1c 0.9c 27 27 28 28 28 26 22 17	0.2b 0.8b 71 71 71 70 69 65 60 51 38 22 0 0.2c 0.8c 12 16 16 16 16 15 14	0.3b 0.7b 46 46 45 44 41 36 30 22 12 0 0.7c 6 8 9 8 8 6 5 2	0.4b 0.6b 22 22 21 20 19 16 13 9 5 0: 0.4c 0.6c 2 4 4 3 2 1 0	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.5a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.2a 0.1a 0.7a 0.7a 0.7a 0.8a 0.7a 0.6a 0.7a 0.6a 0.5a	CORNER -39 -45 -38 -31 -26 -21 -15 -10 -5 -1 -38 -31 -26 -21 -15 -10 -5 -10 -5 -15 -10 -5 -15 -10 -5 -15 -10 -5 -15 -10 -5 -15 -10	0.1b 0.9b 0 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151 M 0.1c 0.9c 0 -26 -26 -21 -15 -9 -3 -7 -7 -7 -7 -7 -7 -7 -7 -7 -7	0.2b 0.8b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221 -300 0.2c 0.8c 0 -14 -16 -12 -7 -1 -6 11 14	0.3b 0.7b 0 8 8 6 -5 -26 -57 -99 -152 -217 -296 -388 fficier 0.3c 0.7c 0 -7 -9 -6 -1 -6 12 17 19	0.4b 0.6b 0.6 3 -12 -37 -73 -120 -179 -251 -335 -431 at 0.4c 0.6c 0 -4 -5 -2 3 10 16 20 22	0.5b 0 6 1 -15 -41 -78 -127 -188 -261 -346 -444 0.5c 0 5 11 17 21 22	CORNER -194 -227 -188 -157 -129 -103 -76 -50 -25 -6 0 CORNER -194 -227 -129 -103 -76 -50 -25 -50 -25	0.1b 0.9b 1 1 1 1 0 -1 -4 -8 -13 -21 -30 M 0.1c 0.9c -156 -139 -122 -103 -84 -64 -46 -28 -14	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60 0.2c 0.8c -90 -81 -71 -60 -47 -35 -23 -12 -4	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58 -78 0.3c 0.7c 0.7c -48 -43 -37 -30 -22 -14 -7 -1	0.4b 0.6b 52 46 38 28 17 3 -12 -29 -47 -66 -86 1t 0.4c 0.6c -25 -22 -17 -12 -6 -1 3 5 6	0.5b 47 42 34 25 13 0 -15 -32 -49 -69 -89 -89 -81 -17 -15 -11 -6 -1 3 6 8	CORNER 45 50 50 49 48 46 42 36 27 15 0 CORNER 45 50 50 49 48 46 42 36 27	0.1b 0.9b 87 85 84 84 81 75 66 51 31 0 M, 0.1c 0.9c 27 27 28 28 26 22 17 11	0.2b 0.8b 71 71 70 69 65 60 51 38 22 0 0.2c 0.8c 16 16 16 16 16 17 17 17 17 17 17 17 17 17 17	0.3b 0.7b 46 46 45 44 41 36 30 22 12 0 0.7c 6 8 9 8 8 6 5	0.4b 0.6b 22 22 21 20 19 16 13 9 5 0: nt 0.4c 0.6c 2 4 4 3 2 1 0 1	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.5a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.3a	CORNER -39 -45 -38 -31 -26 -21 -15 -10 -5 -1 0 CORNER -39 -45 -38 -31 -26 -21 -15 -10	0.1b 0.9b 0 0 0 -1 -4 -9 -18 -31 -49 -75 -108 -151 -151 -26 -26 -21 -15 -9 -3 -3 -3 -3 -3 -3 -3 -3 -3 -3	0.2b 0.8b 0.8b 0 8 8 1 -13 -35 -65 -106 -157 -221 -300 0.2c 0.8c 0.2c 0.8c 0 -14 -16 -12 -7 -1 6 11	0.3b 0.7b 0.7b 0 8 6 -5 -26 -57 -99 -152 -217 -296 -388 fficier 0.3c 0.7c 0.7c -7 -9 -6 -1 -6 12 17	0.4b 0.6b 0.6 3 -12 -37 -73 -120 -179 -251 -335 -431 at 0.4c 0.6c 0 -4 -5 -2 3 10 16 20	0.5b 0 6 1 -15 -41 -78 -127 -188 -261 -346 -444 0.5c 0 5 11 17 21	CORNER -194 -227 -188 -157 -129 -103 -76 -50 -25 -6 0 CORNER -194 -227 -188 -157 -129 -103 -76 -50 -50	0.1b 0.9b 1 1 1 1 1 0 -1 -4 -8 -13 -21 -30 M 0.1c 0.9c -156 -139 -122 -103 -84 -64 -64 -46 -28	0.2b 0.8b 59 54 48 40 30 18 5 -9 -26 -43 -60 0.2c 0.8c -90 -81 -71 -60 -47 -35 -23 -12	0.3b 0.7b 61 55 47 37 25 12 -4 -21 -39 -58 -78 0.3c 0.7c -48 -43 -37 -30 -22 -14 -7	0.4b 0.6b 52 46 38 17 3 -12 -29 -47 -66 -86 1t 0.4c 0.6c -25 -22 -17 -12 -6 -1 3 5	0.5b 47 42 34 25 13 0 -15 -32 -49 -69 -89 -89 -81 -17 -15 -11 -6 -6 -8	CORNER 45 50 50 49 48 46 42 36 27 15 0 CORNER 45 50 49 48 46 42 36 49 48 46 42 36	0.1b 0.9b 87 85 84 84 81 75 66 51 31 0 M, 0.1c 0.9c 27 27 28 28 28 26 22 17	0.2b 0.8b 71 71 71 70 69 65 60 51 38 22 0 0.2c 0.8c 12 16 16 16 16 15 14	0.3b 0.7b 46 46 45 44 41 36 30 22 12 0 0.7c 6 8 9 8 8 6 5 2	0.4b 0.6b 22 22 21 20 19 16 13 9 5 0: 0.4c 0.6c 2 4 4 3 2 1 0	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



Top 38 0 0 0 0 0 0 0 0 0														F	- 0				<u> </u>	<u>→</u> x
Converse Oil	$\frac{b}{a} = 4.0, \frac{c}{a}$	= 0.5		IV	l, Coe	fficie	nt			IV	I, Coe	efficie	nt	,	· '	M	l _{xv} Co	efficie		
Top 38			CORNER		-			0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER					0.5b
Common Color Col								Ĺ									_			
Corner O. O. O. O. O. O. O. O																			1	
Long Side								6												
Company Comp										_	_									-
Short Side	t olda			_				_	_							_				1
Ada	Long Side				-								•						-	1
1.03a		V														_				1
D2a											_	-21			39					1
BOT. 0 -156 -302 -390 -432 -445 0 -31 -60 -78 -86 -89 0 0 0 0 0 0 0 0 0			_	-76						-13	-26		-47	-50	31	51	38	22	9	
M _x Coefficient M _y Coefficient Coefficient M _y Coefficient M _y Coefficient M _y Coefficient Coefficient M _y Coefficient M _y Coefficient Coefficient M _y Coefficient M _y Coefficient M _y Coefficient Coefficient Coefficient M _y Coefficient M _y Coefficient	0.1a	-1	-111	-223	-297	-335	-347	-4	-21	-43	-58	-66	-69	18	30	21	12	5	(
CORNER 0.1c 0.2c 0.3c 0.4c 0.5c 0.9c		BOT.	0	-156	-302	-390	-432	-445	0	-31	-60	-78	-86	-89	0	0	0	0	0	
Note Note				М	, Coe	fficien	ıt			M	, Coe	fficie	nt			М	_{vz} Coe	efficie	nt	
Note Note			CORNER	0.1c	0.20	0.3c	0.40	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
Short Side TOP -38			,		_						_					0.9c			-	
Short Side 0.9a		TOP	-38					0	-191		-186	-167	-156	-152	47	43				(
Short Side 0.8a				_				-22	-225	-191	-166	-151	-142	-139	49	33	23		1	
Short Side 0.8a		0.8a	-36	-33	-31	-29	-28		-182	-163	-146	-133	-126	-123	49	33	23	14	7	C
0.5a		0.7a	-30	-27	-26	-25	-25	-24	-149	-135	-123	-113	-108	-106	49	35	25	16	8	
0.5a	Short Side	0.6a	-24	-21	-20	-19	-18	-18												
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$ \frac{b}{a} = 3.0, \frac{c}{a} = 2.0 $		_																		0
$ \frac{b}{a} = 3.0, \frac{c}{a} = 2.0 $			_						_						_					
CORNER 0.1b 0.2b 0.3b 0.4b 0.5b CORNER 0.1b 0.2b 0.3b 0.4b 0.5b 0.9b 0.8b 0.7b 0.6b 0.9b 0.8b 0.7b 0.9b 0.8b 0.7b 0.8b 0.7		BOT.	0	12	21	26	29	30	U	2	4	5	Ь	Ь	UI	U	U	0	0	
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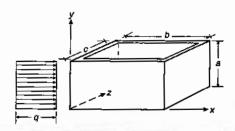
5.6	CORNER	0.1c	0.2¢	0.3c	0.4c	0.5c	CORNER	0.10	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.50
	1	0.9c	0.8c	0.7c	0.60			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	-52	0	0	0	0	0	-259	-120	-4	60	91	100	6	30	40	33	19	0
0.9a	-62	-17	1	10	14	15	-311	-109	-3	55	84	92	19	25	36	31	18	0
0.8a	-52	-20	2	16	23	25	-258	-98	-2	50	76	84	18	25	36	31	18	0
0.7a	-43	-16	4	18	26	28	-215	-84	-1	45	67	73	18	26	38	33	19	0
0.6a	-35	-12	6	18	24	26		-69	0	38	56	61	17	27	40	34	19	0
0.5a	-28	-8	5	12	16	17	-138	-53	0	30	43	47	15	29	41	35	20	0
0.4a	-20	-5	0	1	0	0	-100	-38	0	20	29	32	13	29	41	35	20	0
0.3a	-13	-6	-10	-18	-24	-27	-63	-25	-1	10	14	15		28	38	33	18	ō
0.2a	-6	-9	-26	-46	-61	-66	-29	-14	-5	-2	-3	-3		24	32	27	15	Ö
0.1a	-1	-15	-49	-85	-111	-120	$\overline{}$	-7	-10	-15	-19	-21	4	16	21	17	9	0
BOT.	0	-21	-82	-140	-179	-192	o	-4	-16	-28	-36	-38	0	0	0	0	0	0

M_y Coefficient

M_z Coefficient

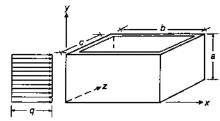
Myz Coefficient

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 3.0, \frac{c}{a} =$	= 1.5		M	l, Coe	efficie				N	l, Coe	efficie	nt			M	_{xy} Co	efficie	ent	
		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
	TOP	40	0.9b	0.86	0.7b	0.6b		014	0.9b	0.8b	0.7b	0.6b	05	00	0.9b	0.8b	0.7b	0.6b	_
	0.9a	-43 -53	-6	7	11	13	13	-214 -264	-46 -43	45	76 69	84 76	85 76	23	75 71	70 69	51 51	26	0
	0.8a	-44	-9	8	15	16	16	-222	-38	37	61	66	66	32	71	69	51	26	-
	0.7a	-37	-10	5	10	10	9	-187	-33	31	51	54	54	31	71	69	51	26	0
Long Side	0.6a	-31	-11	-2	-3	-6	-8	-156	-28	25	39	40	40	30	71	69	50	26	0
	0.5a	-25	-14	-16	-24	-32	-36	-124	-23	17	26	25	24	28	70	68	49	25	0
	0.4a	-18	-20	-35	-55	-70	-75	-92	-18	8	11	8	6	25	66	64	45	22	0
	0.3a	-12	-30	-63	-96	-119	-127	-59	-14	-3	-6	-10	-13	21	58	56	39	19	
	0.2a	-6	-44	-100	-150	-181	-192	-29	-13	-15	-23	-30	-32	15	47	44	30	14	(
	0.1a	-1	-63	-148	-217	-258	-272	-6	-14	-28	-41	-60	-53	. 8	28	26	17	8	
	вот.	0	-88	-210	-299	-350	-366	0	-18	-42	-60	-70	-73	0	0	0	0	0	1 0
					fficier	-				, Coe						yz Coe			
		CORNER	0.10	0.20	0.30	0.4c	0.5c	CORNER	****	0.2c	0.3c	0.40	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.50
	TÖP	-43	0.9c	0.8c	0.7c	0.6c	0	-214	0.9c -132	0.8c	0.7c 24	0.6c 56	66	23	0.9c	0.8c	0.7c	0.6c 8	0
	0.9a	-53	-20	-4	4	8	<u>_</u> 9	-264	-119	-30	23	53	62	33	3	9	11	— <u>°</u>	- 6
	0.8a	-44	-22	-4	8	14	16	-222	-106	-27	23	50	58	32	2	9	10	7	— <u>"</u>
	0.7a	-37	-17	-1	12	19	21	-187	-91	-22	22	46	53	31	1	10	12	7	0
Short Side	0.6a	-31	-12	4	15	22	24	-156	-75	-17	20	41	47	30	0	13	14	9	Ō
	0.5a	-25	-7	. 7	17	22	24	-124	-58	-11	18	34	40	28	2	15	16	10	0
	0.4a	-18	-2	_ 9	15	19	20	-92	-41	-7	15	27	30	25	5	17	17	10	0
	0.3a	-12	1	7	9	10	10	-59	-26	-4	10	17	20	21	8	18	18	11	0
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	0.1a BOT.	-1	0 -2	-11 -30	- <u>2</u> 0 -61	-82	-41 -90	<u>-6</u>	-4 0	-3 -6	-12	-16.	-18	8	7 0	12	11 	6	0
	DOI.	U	-21	•3U	-011	-02	-90		v	ol	-12	-101	-10	<u> </u>	V	∪	<u>U</u>		1 0
										7									
$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.0		М	, Coe	fficie	nt			M	, Coe	fficie	nt			м	_{xy} Coe	efficie	nt	
$\frac{b}{a} = 3.0, \frac{c}{a} =$	1.0	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
$\frac{b}{a} = 3.0, \frac{c}{a} =$			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b			0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	<u> </u>
$\frac{b}{a} = 3.0, \frac{c}{a} =$	TOP 0.9a	-35	0.1b	0.2b	0.3b	0.4b	0	-175	0.1b 0.9b -26	0.2b	0.3b	0.4b 0.6b 82	0.5b 82 74	39	0.1b 0.9b 79	0.2b	0.3b 0.7b 51	0.4b 0.6b 26	
$\frac{b}{a} = 3.0, \frac{c}{a} =$	TOP		0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b		-175	0.1b 0.9b	0.2b 0.8b 52	0.3b 0.7b 77	0.4b 0.6b	82		0.1b 0.9b	0.2b 0.8b 71	0.3b 0.7b	0.4b 0.6b	0
	TOP 0.9a 0.8a 0.7a	-35 -43 -36 -30	0.1b 0.9b 0 -3 -5 -6	0.2b 0.8b 0 8 10 7	0.3b 0.7b 0 11 14	0.4b 0.6b 0 12 15	0 13 15 8	-175 -216 -181 -152	0.1b 0.9b -26 -23 -21 -18	0.2b 0.8b 52 48 42 36	0.3b 0.7b 77 70 61 51	0.4b 0.6b 82 74 64 52	82 74 64 52	39 45 45 45	0.1b 0.9b 79 75 75 75	0.2b 0.8b 71 70 70 70	0.3b 0.7b 51 50 50	0.4b 0.6b 26 26 26 26	0
$\frac{b}{a} = 3.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a	-35 -43 -36 -30 -25	0.1b 0.9b 0 -3 -5 -6	0.2b 0.8b 0 8 10 7 -2	0.3b 0.7b 0 11 14 9	0.4b 0.6b 0 12 15 8 -9	0 13 15 8 -10	-175 -216 -181 -152 -127	0.1b 0.9b -26 -23 -21 -18 -15	0.2b 0.8b 52 48 42 36 29	0.3b 0.7b 77 70 61 51 39	0.4b 0.6b 82 74 64 52 39	82 74 64 52 38	39 45 45 45 44	0.1b 0.9b 79 75 75 75 75	0.2b 0.8b 71 70 70 70 70	0.3b 0.7b 51 50 50 50	0.4b 0.6b 26 26 26 26 25	0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-35 -43 -36 -30 -25 -20 -15	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69	0.3b 0.7b 0 11 14 9 -4 -27 -59 -102	0.4b 0.6b 0 12 15 8 -9 -36 -74	0 13 15 8 -10 -39 -80	-175 -216 -181 -152 -127 -102 -76 -50	0.1b 0.9b -26 -23 -21 -18 -15 -13 -11	0.2b 0.8b 52 48 42 36 29 20	0.3b 0.7b 77 70 61 51 39 25 10	0.4b 0.6b 82 74 64 52 39 23 6	82 74 64 52 38 22 4	39 45 45 45 44 42 39 33	0.1b 0.9b 79 75 75 75 75 76 74 69	0.2b 0.8b 71 70 70 70 70 68 63 55	0.3b 0.7b 51 50 50 50 50 48 44 38	0.4b 0.6b 26 26 26 26 25 24 22	0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	-35 -43 -36 -30 -25 -20 -15 -10	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20 -33 -50	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108	0.3b 0.7b 0 11 14 9 -4 -27 -59 -102	0.4b 0.6b 0 12 15 8 -9 -36 -74 -125 -189	0 13 15 8 -10 -39 -80	-175 -216 -181 -152 -127 -102 -76 -50 -26	0.1b 0.9b -26 -23 -21 -18 -15 -13 -11	0.2b 0.8b 52 48 42 36 29 20	0.3b 0.7b 77 70 61 51 39 25 10	0.4b 0.6b 82 74 64 52 39 23 6	82 74 64 52 38 22 4	39 45 45 45 44 42 39 33	0.1b 0.9b 79 75 75 75 75 76 74 69	0.2b 0.8b 71 70 70 70 70 68 63 55	0.3b 0.7b 51 50 50 50 50 48 44 38	0.4b 0.6b 26 26 26 25 24 22 18 14	000000000000000000000000000000000000000
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-35 -43 -36 -30 -25 -20 -15 -10 -5	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20 -33 -50 -74 -105	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108 -160 -226	0.3b 0.7b 0 11 14 9 -4 -27 -59 -102 -158 -227	0.4b 0.6b 0 12 15 8 -9 -36 -74 -125 -189 -267 -360	0 13 15 8 -10 -39 -80 -133 -199 -279	-175 -216 -181 -152 -127 -102 -76 -50 -26 -6	0.1b 0.9b -26 -23 -21 -18 -15 -13 -11 -10 -12 -15 -21	0.2b 0.8b 52 48 42 36 29 20 9 -3 -16 -30	0.3b 0.7b 77 70 61 51 39 25 10 -7 -25 -44 -62	0.4b 0.6b 82 74 64 52 39 23 6 -12 -32 -52 -72	82 74 64 52 38 22 4 -14 -34	39 45 45 45 44 42 39 33 25	0.1b 0.9b 79 75 75 75 76 74 69 62 49 30	0.2b 0.8b 71 70 70 70 70 68 63 55 43 25	0.3b 0.7b 51 50 50 50 48 44 38 29 16	0.4b 0.6b 26 26 26 25 24 22 18 14 8	000000000000000000000000000000000000000
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-35 -43 -36 -30 -25 -20 -15 -10 -5	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20 -33 -50 -74 -105	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108 -160 -226	0.3b 0.7b 0 11 14 -27 -59 -102 -158 -227 -311	0.4b 0.6b 0.12 15 8 -9 -36 -74 -125 -189 -267 -360 tt 0.4c	0 13 15 8 -10 -39 -80 -133 -199 -279	-175 -216 -181 -152 -127 -102 -76 -50 -26 -6	0.1b 0.9b -26 -23 -21 -18 -15 -13 -11 -10 -12 -15 -21	0.2b 0.8b 52 48 42 36 29 20 -3 -16 -30 -45 v Coe	0.3b 0.7b 77 70 61 51 39 25 10 -7 -25 -44 -62	0.4b 0.6b 82 74 64 52 39 23 6 -12 -32 -52 -72	82 74 64 52 38 22 4 -14 -34 -54	39 45 45 45 44 42 39 33 25	0.1b 0.9b 79 75 75 75 75 74 69 62 49 30 0	0.2b 0.8b 71 70 70 70 70 68 63 55 43 25 0	0.3b 0.7b 51 50 50 50 48 44 38 29 16 0	0.4b 0.6b 26 26 26 25 24 22 18 14 8	000000000000000000000000000000000000000
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	-35 -43 -36 -30 -25 -20 -15 -10 -5 -1 0 -25 -10 -35 -1 0	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20 -33 -50 -74 -105 M 0.1c 0.9c 0 -25 -25	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108 -160 -226 0.2c 0.8c 0 -13 -15 -12	0.3b 0.7b 0.7b 0 11 14 9 -4 -27 -59 -102 -158 -227 -311 fficien 0.3c 0.7c 0 -6 -8 -8 -5	0.4b 0.6b 0.12 15 8 -9 -36 -74 -125 -189 -267 -360 0.6c 0.6c	0 13 15 8 -10 -39 -80 -133 -199 -279 -375	-175 -216 -181 -152 -127 -102 -76 -50 -26 -6 0 cornner -175 -216 -181 -152	0.1b 0.9b -26 -23 -21 -18 -15 -13 -11 -10 -12 -15 -21 M 0.1c 0.9c -147 -132 -117 -99	0.2b 0.8b 52 48 42 36 29 20 9 -3 -16 -30 -45 0.2c 0.8c -84 -76 -67 -56	0.3b 0.7b 77 70 61 51 39 25 10 -7 -25 -44 -62 0.3c 0.7c -44 -39 -33	0.4b 0.6b 82 74 64 52 39 23 6 -12 -32 -52 -72 11 0.4c 0.6c -21 -18 -14 -9	82 74 64 52 38 22 4 -14 -34 -54 -75	39 45 45 44 42 39 33 25 14 0 CORNER 39 45 45	0.1b 0.9b 79 75 75 75 76 74 69 62 49 30 0 .1c 0.9c 25 25 26	0.2b 0.8b 71 70 70 70 70 68 63 55 43 25 0 0.2c 0.8c 11 14 14	0.3b 0.7b 51 50 50 50 50 48 44 38 29 16 0 0.3c 0.7c 5 7	0.4b 0.6b 26 26 26 26 25 24 22 18 14 8 0 nt 0.4c 0.6c 2 3 3 3	0.5c
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.78	-35 -43 -36 -30 -25 -20 -15 -10 -5 -1 0 -25 -43 -36 -30 -25	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20 -33 -50 -74 -105 M 0.1c 0.9c 0 -25 -25 -20 -15	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108 -160 -226 0.2c 0.8c 0 -13 -15 -12 -66 -1	0.3b 0.7b 0.7b 0 11 14 9 -4 -27 -59 -102 -158 -227 -311 fficien 0.3c 0.7c 0 -6 -8 -5 0	0.4b 0.6b 0.6b 0 12 15 8 -9 -36 -74 -125 -189 -267 -360 0.4c 0.6c 0 -3 -4 -1	0 13 15 8 -10 -39 -80 -133 -199 -279 -375 0.5c	-175 -216 -181 -152 -127 -102 -76 -50 -26 -6 0 CORNER -175 -216 -181 -152 -127 -102 -76	0.1b 0.9b -26 -23 -21 -18 -15 -13 -11 -10 -12 -15 -21 M 0.1c 0.9c -147 -132 -117 -99 -81	0.2b 0.8b 52 48 42 36 29 20 9 -3 -16 -30 -45 0.2c 0.8c -84 -76 -67 -56 -44	0.3b 0.7b 777 70 61 51 39 25 10 -7 -25 -44 -62 0.3c 0.7c -44 -39 -33 -26 -19 -12 -5	0.4b 0.6b 82 74 64 52 39 23 6 -12 -32 -52 -72 nt 0.4c 0.6c -21 -18 -14 -9 -4	82 74 64 52 38 22 4 -14 -34 -54 -75 0.5c -13 -11 -7 -3 1	39 45 45 44 42 39 33 25 14 0 corner 39 45 45 45	0.1b 0.9b 79 75 75 75 76 74 69 62 49 30 0 0 M 0.1c 0.9c 25 25 26 26	0.2b 0.8b 71 70 70 70 70 68 63 55 43 25 0 0.2c 0.8c 11 14 14 14	0.3b 0.7b 51 50 50 50 48 44 38 29 16 0.3c 0.7c 5 7 8 7	0.4b 0.6b 26 26 26 26 25 24 22 18 14 8 0 nt 0.4c 0.6c 2 3 3 3	0.5c
Long Side	TOP 0.9a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-35 -43 -36 -30 -25 -20 -15 -1 0 -35 -43 -36 -30 -25 -20 -15 -10	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20 -33 -50 -74 -105 M 0.1c 0.9c 0 -25 -25 -20 -15 -9 -4	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108 -160 -226 0.2c 0.8c 0.13 -15 -12 -6 -1 5 10	0.3b 0.7b 0.7b 11 14 99 -4 -27 -59 -102 -158 -227 -311 fficien 0.3c 0.7c 0.7c -6 -8 -5 0 6 12 16	0.4b 0.6b 0.6b 12 15 8 -9 -36 -74 -125 -189 -267 -360 0.4c 0.6c 0 -3 -4 -1 10 15	0 13 15 8 -10 -39 -80 -133 -199 -279 -375 0.5c 0 -2 -3 0 5 11 17 20	-175 -216 -181 -152 -127 -102 -76 -50 -26 -6 0 CORNER -175 -216 -181 -152 -127 -102 -76 -50	0.1b 0.9b -26 -23 -11 -15 -13 -11 -10 -12 -15 -21 0.1c 0.9c -147 -132 -117 -99 -81 -62 -45 -28	0.2b 0.8b 52 48 42 36 29 20 9 -3 -16 -30 -45 Coe 0.2c 0.8c -84 -76 -67 -56 -44 -33 -21 -12	0.3b 0.7b 777 70 61 51 39 25 10 -7 -25 -44 -62 **Tricler** 0.3c 0.7c -44 -39 -33 -26 -19 -12 -5 0	0.4b 0.6b 82 74 64 52 39 23 6 -12 -32 -52 -72 11 0.4c 0.6c -21 -18 -14 -9 -4 1 4 6	82 74 64 52 38 22 4 -14 -34 -54 -75 0.5c -13 -11 -7 -3 1 5 7 8	39 45 45 44 42 39 33 25 14 0 CORNER 45 45 45 44 42 39 33	0.1b 0.9b 79 75 75 75 76 74 69 62 49 30 0.1c 0.9c 25 25 26 25 26 25 24 20 16	0.2b 0.8b 71 70 70 70 70 68 63 55 43 25 0 0.2c 0.2c 0.8c 11 14 14 14 14 12 10 6	0.3b 0.7b 51 50 50 50 50 48 44 38 29 16 0.3c 0.7c 5 7 8 7 7 6 4 4	0.4b 0.6b 26 26 26 25 24 22 18 14 8 0 0.6c 0.6c 2 3 3 3 3 2 1 0	0.5c 0.5c
Long Side	TOP 0.9a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-35 -43 -36 -30 -25 -20 -15 -10 -5 -1 0, CORNER -35 -43 -36 -30 -25 -20 -15 -10 -5	0.1b 0.9b 0.9b -3 -5 -6 -8 -12 -20 -33 -50 -74 -105 M 0.1c 0.9c 0 -25 -25 -20 -15 -9 -4 2 6	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108 -160 -226 0.2c 0.8c 0 -13 -15 -12 -6 -1 5 10 13	0.3b 0.7b 0.7b 11 14 99 -4 -27 -59 -102 -158 -227 -311 fficien 0.3c 0.7c 0.6 -8 -5 0 6 12 16 18	0.4b 0.6b 0.6b 12 15 8 -9 -36 -74 -125 -189 -267 -360 0.4c 0.6c 0.3 -4 10 15 19 20	0 13 15 8 -10 -39 -80 -133 -199 -279 -375 0 5 11 17 20 21	-175 -216 -181 -152 -127 -102 -76 -50 -26 -6 0 CORNER -175 -216 -181 -152 -127 -102 -76 -50 -26	0.1b 0.9b -26 -23 -11 -15 -13 -11 -10 -12 -15 -21 M 0.1c 0.9c -147 -132 -117 -99 -81 -62 -45 -28 -14	0.2b 0.8b 52 48 42 36 29 20 9 -3 -16 -30 -45 y Coe -84 -76 -67 -56 -44 -33 -21 -12 -4	0.3b 0.7b 777 70 61 51 39 25 10 -7 -25 -44 -62 0.3c 0.7c -44 -39 -33 -26 -19 -12 -5 0 3	0.4b 0.6b 82 74 64 52 39 23 6 -12 -32 -52 -72 nt 0.4c 0.6c -21 -18 -14 -9 -4 1 4 6 6	82 74 64 52 38 22 4 -14 -34 -54 -75 0.5c -13 -11 -7 -3 1 5 7	39 45 45 44 42 39 33 25 14 0 CORNER 45 45 45 44 42 39 33 25	0.1b 0.9b 79 75 75 75 76 74 69 62 49 30 0.1c 0.9c 25 25 25 26 25 24 20 16 10	0.2b 0.8b 71 70 70 70 70 68 63 55 43 25 0.2c 0.8c 0.2c 0.8c 11 14 14 14 14 12 10 6	0.3b 0.7b 51 50 50 50 60 48 44 38 29 16 0.3c 0.7c 5 7 8 7 7 6 4 2 1	0.4b 0.6b 26 26 26 25 24 22 18 14 8 0 0.6c 2 3 3 3 3 2 1 0 1	0.5c 0.5c
Long Side	TOP 0.9a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-35 -43 -36 -30 -25 -20 -15 -1 0 -35 -43 -36 -30 -25 -20 -15 -10	0.1b 0.9b 0 -3 -5 -6 -8 -12 -20 -33 -50 -74 -105 M 0.1c 0.9c 0 -25 -25 -20 -15 -9 -4	0.2b 0.8b 0 8 10 7 -2 -17 -39 -69 -108 -160 -226 0.2c 0.8c 0.13 -15 -12 -6 -1 5 10	0.3b 0.7b 0.7b 11 14 99 -4 -27 -59 -102 -158 -227 -311 fficien 0.3c 0.7c 0.7c -6 -8 -5 0 6 12 16	0.4b 0.6b 0.6b 12 15 8 -9 -36 -74 -125 -189 -267 -360 0.4c 0.6c 0 -3 -4 -1 10 15	0 13 15 8 -10 -39 -80 -133 -199 -279 -375 0.5c 0 -2 -3 0 5 11 17 20	-175 -216 -181 -152 -127 -102 -76 -50 -26 -6 0 CORNER -175 -216 -181 -152 -127 -102 -76 -50	0.1b 0.9b -26 -23 -11 -15 -13 -11 -10 -12 -15 -21 0.1c 0.9c -147 -132 -117 -99 -81 -62 -45 -28	0.2b 0.8b 52 48 42 36 29 20 9 -3 -16 -30 -45 Coe 0.2c 0.8c -84 -76 -67 -56 -44 -33 -21 -12	0.3b 0.7b 777 70 61 51 39 25 10 -7 -25 -44 -62 **Tricler** 0.3c 0.7c -44 -39 -33 -26 -19 -12 -5 0	0.4b 0.6b 82 74 64 52 39 23 6 -12 -32 -52 -72 11 0.4c 0.6c -21 -18 -14 -9 -4 1 4 6	82 74 64 52 38 22 4 -14 -34 -54 -75 0.5c -13 -11 -7 -3 1 5 7 8	39 45 45 44 42 39 33 25 14 0 CORNER 45 45 45 44 42 39 33	0.1b 0.9b 79 75 75 75 76 74 69 62 49 30 0.1c 0.9c 25 25 26 25 26 25 24 20 16	0.2b 0.8b 71 70 70 70 70 68 63 55 43 25 0 0.2c 0.2c 0.8c 11 14 14 14 14 12 10 6	0.3b 0.7b 51 50 50 50 50 48 44 38 29 16 0.3c 0.7c 5 7 8 7 7 6 4 4	0.4b 0.6b 26 26 26 25 24 22 18 14 8 0 0.6c 0.6c 2 3 3 3 3 2 1 0	0.5c 0.5c

Moment = Coef. $\times qa^2/1000$



													F	- q	<u> </u>				
b c																			
$\frac{b}{a} = 3.0, \frac{c}{a} =$	= 0.5		М	, Coe	fficie	nt			M	, Coe	efficie	nt			М	" Coe	efficie	nt	
		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
			0.9ь	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	-34	0				0		-22	54	77	81	81	41	79	71	51	26	0
	0.9a	-43	-3	8	11	12	13	-213	-20	49	70	74	73	45	76	70	50	26	D
	0.8a	-35	-4 -4	10 7	15 9	15	15	-174 -143	-17 -14	44 37	61 51	64 52	63 51	44 45	76 77	70 71	50 50	26 25	0
Long Side	0.7a 0.6a	-29 -23	-6	-1	-4	-9	<u>-11</u>	-116	-12	29	39	38	37	45	76	70	50	25	0,
Long Side	0.5a	• <u>18</u>	-11	-16	-27	-37	-40	-90	-10	20	25	23	21	44	74	68	48	24	
	0.4a	-13	-19	-39	-60	-75	-81	-65	-8	9	10	6	4	42	70	63	44	21	0
	0.3a	-8	-32	-69	-104	-126	-134	-42	-9	-3	-7	-13	-15	37	62	_ 55	37	18	0
	0.2a	-4	-51	-110	-159	-190	-201	-20	-11	-16	-25	-32	34	29	49	43	28	14	0
	0.1a	1	-77	-163 -230	-229 -314	-268 -362	-281 -377	-5 0	-15 -22	-31 -46	-44 -63	-52 -72	-55 -75	18	30 0	25 0	16 0	8	
	BOT.	<u>Q</u> j	<u>•111</u>	-230	-3141	-3021	-3//		-22	-40	~03	-12	-73	U	V	U	. 0	V	U
			M	Coe	fficien	it			M	, Coe	fficie	nt			M	yz Coe	efficie	nt	
		CORNER		0.20	0.3c	0.4c	0.5c	CORNER		0.2c 0.8c	0.3c 0.7c	0.4c	0.50	CORNER	0.1c	0.2c	0.3c	0.4c 0.6c	0.5c
	TOP	-34	0.9c	0.8c 0	0.7c 0	0.6c	0	-171	0.9c -202	-175	•157	0.6c -147	-143	41	40	0.8c 24	0.7c	7	0
	0.9a	-43	-35	-28	-24	-21	-20	-213	-180	-157	-142	-134	-131	45	30	22	14	7	ō
	0.8a	-35	-32	-30	-28	-27	-26	-174	-155	-138	-126	-119	-116	44	31	21	13	7	<u>0</u> 0
	0.7a	-29	-26	-25	-24	-23	-23	-143	-129	-117	-107	-102	-100	45	32	23	15	7	0
Short Side	0.6a	-23	-21	-19	-18	-17	-17	-116	-104	-94	-87	-83	-81	45	33 33	24	16	8	0
	0.5a 0.4a	-18 -13	-15 -10	<u>-13</u> -7	-12 -5	-11 -4	<u>-10</u> -3	-90 -65	-80 -57	-72 -51	-66 -46	-63 -43	-62 -43	44 42	31	24	16 15	8 7	0
	0.4a	-13	-10	- <i>-,</i>	2	3	4	-42	-36	-31	-28	-26	-25	37	27	20	13	6	<u>0</u>
	0.2a	-4	1	6	9	10,	11	-20	-17	-14	-12	-11	-10	29	22	15	10	5	0
	0.1a	-1	6	12	16	18	19	-5	-4	-2	-1	0	0	18	13	9	6	3	0
	1		12	20	25	na '	29	٥	2	41	5	6	6	0	0	0	0	0	0
	BOT.	0	12	_20	23	28	28	U				-		U	0,	•	-	-	·
b c			12		23	201	20					-		0,	0,1				-
$\frac{b}{a} = 2.0, \frac{c}{a} =$					fficie	nt	23		M	, Coe	fficie				M	_{ky} Coe	efficle		
$\frac{b}{a} = 2.0, \frac{c}{a} =$		CORNER	M	, Coe	fficier 0.3b	n t 0.4b	0.5b	CORNER	M 0.1b	, Сое	fficie:	nt 0.4b	0.5b	CORNER	M	_{ky} Coe	officle	nt 0.4b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.5	CORNER	0.1b 0.9b	x Coe	fficie 1 0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	y Coe 0.2b 0.8b	fficie i 0.3b 0.7b	0.4b	0.5b	CORNER	M 0.1b 0.9b	vy Coe 0.2b 0.8b	0.3b 0.7b	0.4b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.5	CORNER -33	0.1b 0.9b	v. Coe	0.3b 0.7b	0.4b 0.6b	0.5b 0	CORNER	0.1b 0.9b -73	y Coe 0.2b 0.8b 20	0.3b 0.7b 71	nt 0.4b			M	_{ky} Coe	0.3b 0.7b 35	nt 0.4b	0.5b 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$	1.5	CORNER	0.1b 0.9b	x Coe	fficie 1 0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	y Coe 0.2b 0.8b	fficie i 0.3b 0.7b	0.4b 0.6b 96	0.5b	CORNER 5	0.1b 0.9b 43	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b 0 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$	TOP 0.9a	-33 -45 -38 -33	0.1b 0.9b 0 -10 -12 -10	0.2b 0.8b 0 4 6	0.3b 0.7b 0 11 17 19	0.4b 0.6b 0 15 23 25	0.5b 0 16 25 27	-164 -223 -192 -166	0.1b 0.9b -73 -66 -60 -53	y Coe 0.2b 0.8b 20 19 17	0.3b 0.7b 71 65 59 52	0.4b 0.6b 96 88 80 69	0.5b 103 95 86 74	5 16 16	0.1b 0.9b 43 38 39 40	0.2b 0.8b 45 42 42 44	0.3b 0.7b 35 33 34 35	0.4b 0.6b 19 18 18	0.5b 0 0 0
$\frac{b}{a}$ = 2.0, $\frac{c}{a}$ =	TOP 0.9a 0.8a 0.7a 0.6a	-33 -45 -38 -33 -28	0.1b 0.9b 0 -10 -12 -10 -8	0.2b 0.8b 0 4 6 8	0.3b 0.7b 0.7b 11 17 19	0.4b 0.6b 0 15 23 25 21	0.5b 0 16 25 27 23	-164 -223 -192 -166 -142	0.1b 0.9b -73 -66 -60 -53	0.2b 0.8b 20 19 17 16 13	0.3b 0.7b 71 65 59 52 44	0,4b 0.6b 96 88 80 69 57	0.5b 103 95 86 74 61	5 16 16 15	0.1b 0.9b 43 38 39 40 41	0.2b 0.8b 0.8b 45 42 42 44 45	0.3b 0.7b 35 33 34 35 36	0.4b 0.6b 19 18 18 19 20	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-33 -45 -38 -33 -28 -23	0.1b 0.9b 0 -10 -12 -10 -8	0.2b 0.8b 0 4 6 8 7	0.3b 0.7b 0.7b 0 11 17 19 16	0.4b 0.6b 0 15 23 25 21	0.5b 0 16 25 27 23 11	-164 -223 -192 -166 -142 -116	0.1b 0.9b -73 -66 -60 -53 -44 -35	0.2b 0.8b 20 19 17 16 13	0.3b 0.7b 71 65 59 52 44 34	0.4b 0.6b 96 88 80 69 57	0.5b 103 95 86 74 61 46	5 16 16 15 15	0.1b 0.9b 43 38 39 40 41 42	0.2b 0.8b 45 42 42 44 45 47	0.3b 0.7b 35 33 34 35 36 37	0.4b 0.6b 19 18 18 19 20	0.5b 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-33 -45 -38 -33 -28 -23 -18	0.1b 0.9b 0 -10 -12 -10 -8 -7 -8	0.2b 0.8b 0.4 6 8 7	0.3b 0.7b 0.7b 11 17 19 16 8	0.4b 0.6b 0.6b 15 23 25 21 10 -9	0.5b 0 16 25 27 23 11 -10	-164 -223 -192 -166 -142 -116 -88	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26	0.2b 0.8b 20 19 17 16 13	0.3b 0.7b 71 65 59 52 44 34 22	0.4b 0.6b 96 88 80 69 57 44	0.5b 103 95 86 74 61 46 30	5 16 16 15 15 14	0.1b 0.9b 43 38 39 40 41 42 42	0.2b 0.8b 45 42 42 44 45 47	0.3b 0.7b 35 33 34 35 36 37	0.4b 0.6b 19 18 18 19 20 20	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-33 -45 -38 -33 -28 -23	0.1b 0.9b 0 -10 -12 -10 -8	0.2b 0.8b 0 4 6 8 7	0.3b 0.7b 0.7b 0 11 17 19 16	0.4b 0.6b 0 15 23 25 21	0.5b 0 16 25 27 23 11	-164 -223 -192 -166 -142 -116	0.1b 0.9b -73 -66 -60 -53 -44 -35	0.2b 0.8b 20 19 17 16 13	0.3b 0.7b 71 65 59 52 44 34	0.4b 0.6b 96 88 80 69 57	0.5b 103 95 86 74 61 46	5 16 16 15 15	0.1b 0.9b 43 38 39 40 41 42	0.2b 0.8b 45 42 42 44 45 47	0.3b 0.7b 35 33 34 35 36 37	0.4b 0.6b 19 18 18 19 20	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-33 -45 -38 -33 -28 -23 -18 -12 -6 -1	0.1b 0.9b 0 -10 -12 -10 -8 -7 -8 -11 -18	0.2b 0.8b 0 4 6 8 7 3 -5 -19 -40	0.3b 0.7b 0 11 17 19 16 8 -7 -30 -63 -108	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135	0.5b 0 16 25 27 23 11 -10 -41 -85 -144	-164 -223 -192 -166 -142 -116 -88 -59 -30	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12	0.2b 0.8b 20 19 17 16 13 10 7 2 -5	0.3b 0.7b 71 65 59 52 44 34 22 9 -5	0.4b 0.6b 96 88 80 69 57 44 28 12 -6	0.5b 103 95 86 74 61 46 30 12 -7 -26	5 16 15 15 14 13 11 9 5	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21	0.2b 0.8b 45 42 44 45 47 46 43 36 22	0.3b 0.7b 35 33 34 35 36 37 36 34 27	0.4b 0.6b 19 18 18 19 20 20 19 18 14	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-33 -45 -38 -33 -28 -23 -18 -12 -6	0.1b 0.9b 0 -10 -12 -10 -8 -7 -8 -11 -18	0.2b 0.8b 0 4 6 8 7 3 -5 -19	0.3b 0.7b 0 11 17 19 16 8 -7 -30 -63 -108	0.4b 0.6b 0 15 23 25 21 10 -9 -38	0.5b 0 16 25 27 23 11 -10 -41 -85	-164 -223 -192 -166 -142 -116 -88 -59	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12	0.2b 0.8b 20 19 17 16 13 10 7	0.3b 0.7b 71 65 59 52 44 34 22 9	0.4b 0.6b 96 88 80 69 57 44 28 12	0.5b 103 95 86 74 61 46 30 12 -7	5 16 16 15 14 13 11 9	0.1b 0.9b 43 38 39 40 41 42 42 39 33	0.2b 0.8b 45 42 44 45 47 46 43 36 22	0.3b 0.7b 35 33 34 35 36 37 36 34 27	0.4b 0.6b 19 18 18 19 20 20 19 18 14	0.5b 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-33 -45 -38 -33 -28 -23 -18 -12 -6 -1	0.1b 0.9b 0 -10 -12 -10 -8 -7 -8 -11 -18 -28 -41	x Coe 0.2b 0.8b 0 4 6 8 7 3 -5 -19 -40 -70 -110	0.3b 0.7b 0 11 17 19 16 8 -7 -30 -63 -108	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135 -208	0.5b 0 16 25 27 23 11 -10 -41 -85 -144	-164 -223 -192 -166 -142 -116 -88 -59 -30	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8	0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13	0.3b 0.7b 71 65 59 52 44 34 22 9 -5	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24	0.5b 103 95 86 74 61 46 30 12 -7 -26	5 16 15 15 14 13 11 9 5	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0	0.3b 0.7b 35 33 34 35 36 37 36 34 27	0.4b 0.6b 19 18 18 19 20 20 19 18 14	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-33 -45 -38 -33 -28 -23 -18 -12 -6 -1	0.1b 0.9b 0.9b -10 -12 -10 -8 -7 -8 -11 -18 -28 -41	x Coe 0.2b 0.8b 0 4 6 8 7 7 3 -5 -19 -40 -110 Coe 0.2c	0.3b 0.7b 0 11 17 19 16 8 -7 -30 -63 -108 -170 fficien	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135 -208	0.5b 0 16 25 27 23 11 -10 -41 -85 -144	-164 -223 -192 -166 -142 -116 -88 -59 -30	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -8	y Coe 0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 0.2c	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42	0.5b 103 95 86 74 61 46 30 12 -7 -26	5 16 15 15 14 13 11 9 5	0.1b 0.9b 43 38 39 40 41 42 42 33 33 21 0	0.2b 0.8b 45 42 42 44 45 47 46 43 36 22 0	0.3b 0.7b 35 33 34 35 36 37 36 37 17 0 o officie	0.4b 0.6b 19 18 18 19 20 20 19 18 14 9 0	0.5b
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	-33 -45 -38 -33 -28 -23 -18 -12 -6 -1 0	0.1b 0.9b 0.9b -10 -12 -10 -8 -7 -8 -11 -18 -28 -41 M 0.1c 0.9c 0 -16	0.2b 0.8b 0 4 6 8 7 3 -5 -19 -40 -70 -110 Coe 0.2c 0.8c	0.3b 0.7b 0.11 17 19 16 8 -7 -30 -63 -108 -170 fficier 0.3c 0.7c 5	0.4b 0.6b 0 15 23 25 21 10 -9 -135 -208 1t 0.4c 0.6c 0 9	0.5b 0 16 25 27 23 11 -10 -41 -85 -144 -221 0.5c	-164 -223 -192 -166 -142 -116 -88 -59 -30 -7 0	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -9 -8	0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 0.2c 0.8c	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42 11	0.5b 103 95 86 74 61 46 30 12 -7 -26 -44	55 16 16 15 15 14 13 11 9 5 0	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21 0	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0	0.3b 0.7b 35 33 34 35 36 37 36 34 27 17 0 efficie 0.3c 0.7c 16 13	0.4b 0.6b 19 18 18 19 20 20 19 18 14 9 0 0.4c 0.6c	0.5b 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	-33 -45 -38 -33 -28 -18 -12 -6 -1 0	0.1b 0.9b 0.9c -10 -12 -10 -8 -7 -8 -11 -18 -28 -41 M 0.1c 0.9c	0.2b 0.8b 0 4 6 8 7 3 -5 -19 -40 -70 -110 Coe 0.2c 0.8c	0.3b 0.7b 0.11 17 19 16 8 -7 -30 -63 -108 -170 fficier 0.3c 0.7c 5	0.4b 0.6b 0 15 23 25 21 10 -9 -135 -208 1t 0.4c 0.6c 0	0.5b 0 16 25 27 23 11 -10 -41 -85 -144 -221	-164 -223 -192 -166 -142 -116 -88 -59 -30 -7 0	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -8 -9 -0.1c 0.9c	0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 y Coe 0.2c 0.8c -18 -16	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34 officie 0.3c 0.7c 35 33	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42 11 0.4c 0.6c 64 60	0.5b 103 95 86 74 61 46 30 12 -7 -26 -44	5 16 15 15 14 13 11 9 5 0 CORNER 5 16	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21 0 M 0.1c 0.9c	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0 0.2c 0.8c 17	0.3b 0.7b 35 33 34 35 36 37 36 34 27 17 0 efficie 0.3c 0.7c 16	0.4b 0.6b 19 18 18 19 20 20 19 18 14 9 0 nt 0.4c 0.6c 9 8	0.5b 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	CORNER -33 -45 -38 -33 -18 -12 -6 -1 0 CORNER -33 -45 -38 -38 -38 -38 -28	0.1b 0.9b 0.9b -10 -12 -10 -8 -7 -8 -11 -18 -28 -41 0.1c 0.9c 0 -16 -18 -14 -10	0.2b 0.8b 0.8b 0 4 6 8 7 3 -5 -19 -40 -70 -110 0.2c 0.8c 0.9c -1 1	0.3b 0.7b 0 11 17 19 16 8 -7 -30 -63 -108 -170 fficier 0.3c 0.7c 0.7c 5 10 13	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135 -208 0.4c 0.6c 0 9 16 20 22	0.5b 0 16 25 27 23 11 -10 -41 -85 -144 -221 0.5c 0 10 18 22 24	-164 -223 -192 -166 -142 -116 -88 -59 -30 -7 0 CORNER -164 -223 -192 -166 -142	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -8 -95 -95 -63	0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 0.2c 0.8c -18 -14 -11 -8	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34 officie 0.3c 0.7c 35 33 31 29 26	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42 11 0.4c 0.6c 64 60 56 51	0.5b 103 95 86 74 61 46 30 12 -7 -26 -44 0.5c 73 69 64 58	5 16 15 11 9 5 0 0 CORNER 5 16 15 15 15 15	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21 0 0.1c 0.9c 9 5	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0 0.2c 0.8c 17 13 13 15	0.3b 0.7b 35 33 34 35 36 37 36 37 17 0 officie 0.3c 0.7c 16 13 13 14 16	0.4b 0.6b 19 18 18 19 20 20 19 18 14 9 0 nt 0.4c 0.6c 9 8 8 9 10	0.5b 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	CORNER -33 -45 -38 -23 -18 -12 -6 -1 0 CORNER -33 -45 -38 -38 -38 -28 -23	0.1b 0.9b 0 -10 -12 -10 -8 -7 -8 -11 -18 -28 -41 0.1c 0.9c 0 -16 -18 -14 -10 -7	0.2b 0.8b 0.4 6 8 7 3 -5 -19 -40 -70 -110 0.2c 0.8c 0.2c 0.8c -1 1 4 6	0.3b 0.7b 0 11 17 19 16 8 -7 -30 -63 -108 -170 fficien 0.3c 0.7c 0.7c 5 10 13 15	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135 -208 0.4c 0.6c 0 9 16 20 22 21	0.5b 0 16 25 27 23 11 -10 -41 -85 -144 -221 0.5c 0 10 18 22 24 23	-164 -223 -192 -166 -142 -116 -88 -59 -30 -7 0 CORNER -164 -223 -192 -166 -142 -116	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -8 -95 -95 -95 -63 -49	0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 0.2c 0.8c -18 -14 -11 -8 -5	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34 officie 0.3c 0.7c 35 33 31 29 26 23	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42 11 0.4c 0.6c 64 60 56 51 45	0.5b 103 95 86 74 61 46 30 12 -7 -26 -44 0.5c 73 69 64 58	CORNER 5 16 16 15 14 13 11 9 55 0 CORNER 5 16 16 15 15 14	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21 0 0.1c 0.9c 9 5 6 7	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0 0.2c 0.8c 17 13 13 15 17	0.3b 0.7b 35 33 34 35 36 37 36 37 17 0i efficie 0.3c 0.7c 16 13 13 14 16 18	0.4b 0.6b 19 18 18 19 20 19 18 14 9 0.4c 0.6c 9 8 8 9 10 11	0.5b 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a	CORNER -33 -45 -38 -23 -18 -12 -6 -1 0 CORNER -33 -45 -38 -38 -38 -28 -23 -18	0.1b 0.9b 0.9b -10 -12 -10 -8 -7 -8 -11 -18 -28 -41 0.1c 0.9c 0 -16 -18 -14 -10 -7 -4	. Coe 0.2b 0.8b 0 4 6 8 7 3 -5 -19 -40 -70 -110 0.2c 0.8c 0.2c 0.8c 0 -2 -1 1 4 6 6	0.3b 0.7b 0 11 17 19 16 8 -7 -30 -63 -108 -170 fficien 0.3c 0.7c 0.3c 0.7c 10 13 15 16 16 12	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135 -208 0.4c 0.6c 0 9 16 20 22 21 16	0.5b 0 16 25 27 23 11 -10 -41 -85 -144 -221 0.5c 0 10 18 22 24 23 17	-164 -223 -192 -166 -142 -116 -88 -59 -30 -7 0 CORNER -164 -223 -192 -166 -142 -116 -88	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -8 -95 -95 -95 -95 -63 -49 -36	0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 0.2c 0.8c -18 -14 -11 -8 -5 -3	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34 officier 0.3c 0.7c 35 33 31 29 26 23 18	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42 11 0.4c 0.6c 64 60 56 51 45	0.5b 103 95 86 74 61 46 30 12 -7 -26 -44 0.5c 73 69 64 58 51 42 32	CORNER 5 16 16 15 14 13 11 9 55 0 CORNER 5 16 16 15 14 13	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21 0 0.1c 0.9c 5 6 7 8	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0 0.2c 0.8c 17 13 13 15 17 19 21	0.3b 0.7b 35 33 34 35 36 37 36 37 17 0 fficie 0.3c 0.7c 16 13 13 14 16 18 20	0.4b 0.6b 19 18 18 19 20 20 19 18 14 9 0 nt 0.4c 0.6c 9 8 8 9 10 11 12	0.5b
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.1a	CORNER -33 -45 -38 -33 -28 -12 -6 -11 -0 CORNER -33 -45 -38 -33 -28 -28 -18 -12	0.1b 0.9b 0 -10 -12 -10 -8 -7 -8 -11 -18 -28 -41 0.1c 0.9c 0 -16 -18 -14 -10 -7 -7 -4	. Coe 0.2b 0.8b 0 4 6 8 7 3 -5 -19 -40 -70 -110 Coe 0.2c 0.8c 0 -2 -1 1 4 6 6 6 3	0.3b 0.7b 0.11 17 19 16 8 -7 -30 -63 -108 -170 fficien 0.3c 0.7c 0.3c 11 13 15 16 12 4	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135 -208 tt 0.4c 0.6c 0 9 16 20 22 21 16 4	0.5b 0 16 25 27 23 11 -10 -41 -85 -144 -221 0.5c 0 10 18 22 24 23 17 4	-164 -223 -192 -166 -142 -116 -88 -59 -30 -7 0 CORNER -164 -223 -192 -166 -142 -116 -88 -59	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -8 -95 -95 -95 -95 -63 -49 -36	y Coe 0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 9 Coe 0.8c -18 -14 -11 -8 -5 -3 -1	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34 o .3c 0.7c 35 33 31 29 26 23 18 11	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42 11 0.4c 0.6c 64 60 56 51 45	0.5b 103 95 86 74 61 46 30 12 -7 -26 -44 0.5c 73 69 64 58 51 42 32 19	CORNER 5 16 16 15 14 13 11 9 55 0 CORNER 5 16 16 15 15 14	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21 0 0.1c 0.9c 9 5 6 7	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0 0.2c 0.8c 17 13 13 15 17	0.3b 0.7b 35 33 34 35 36 37 36 37 17 0i efficie 0.3c 0.7c 16 13 13 14 16 18	0.4b 0.6b 19 18 18 19 20 19 18 14 9 0.4c 0.6c 9 8 8 9 10 11	0.5b
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a	CORNER -33 -45 -38 -33 -28 -12 -6 -1 0 CORNER -33 -45 -38 -38 -38 -28 -23 -18	0.1b 0.9b 0.9b 10 -10 -8 -7 -8 -11 -18 -28 -41 -18 -28 -41 -10 -16 -18 -14 -10 -7 -7 -4 -12 -10 -10 -10 -10 -10 -10 -10 -10	. Coe 0.2b 0.8b 0 4 6 8 7 3 -5 -19 -40 -70 -110 0.2c 0.8c 0.2c 0.8c 0 -2 -1 1 4 6 6	0.3b 0.7b 0.11 17 19 16 8 -7 -30 -63 -108 -170 fficien 0.3c 0.7c 0.3c 11 13 15 16 12 4	0.4b 0.6b 0 15 23 25 21 10 -9 -38 -79 -135 -208 0.4c 0.6c 0 9 16 20 22 21 16	0.5b 0 16 25 27 23 11 -10 -41 -85 -144 -221 0.5c 0 10 18 22 24 23 17	-164 -223 -192 -166 -142 -116 -88 -59 -30 -7 0 CORNER -164 -223 -192 -166 -142 -116 -88	0.1b 0.9b -73 -66 -60 -53 -44 -35 -26 -18 -12 -8 -10 -95 -95 -95 -63 -49 -36 -24 -13	0.2b 0.8b 20 19 17 16 13 10 7 2 -5 -13 -22 0.2c 0.8c -18 -14 -11 -8 -5 -3	0.3b 0.7b 71 65 59 52 44 34 22 9 -5 -19 -34 officier 0.3c 0.7c 35 33 31 29 26 23 18	0.4b 0.6b 96 88 80 69 57 44 28 12 -6 -24 -42 11 0.4c 0.6c 64 60 56 51 45 37 28 18	0.5b 103 95 86 74 61 46 30 12 -7 -26 -44 0.5c 73 69 64 58 51 42 32	CORNER 5 16 16 15 14 13 11 9 5 0 CORNER 5 16 16 15 14 13 11	0.1b 0.9b 43 38 39 40 41 42 42 39 33 21 0 0.1c 0.9c 5 6 7 8 10 12	0.2b 0.8b 45 42 44 45 47 46 43 36 22 0 0.2c 0.8c 0.7 13 13 15 17 19 21 22	0.3b 0.7b 35 33 34 35 36 37 36 37 17 0 0.3c 0.7c 16 13 14 16 18 20 20	0.4b 0.6b 19 18 18 19 20 19 18 14 9 0 nt 0.4c 0.6c 9 8 8 9 10 11 12 12	0.5b

-2

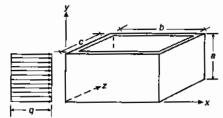
9 5 0

Tank Analysis Results

0.2a 0.1a BOT.

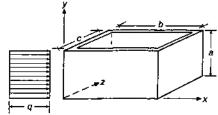
0

Moment = Coef. $\times qa^2/1000$



								_					<u> </u>	q—					
$\frac{b}{a} = 2.0, \frac{c}{a} =$	= 1.0		N	l _x Coe	efficie	nt			N	l, Coe	fficie	nt			M	l _{xy} Co	efficie	nt	
		CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
	TOP	-26	0.90	0.80	_	0.60	0	-128	-45	35	78	99	106	22	50	49	37	19	0
	0.9a	-35	6	6	12	15	16	-176	-42	32	72	91	97	29	46	46	35	19	
	0.8a	-30	-7	9	19	24	25	-152	-38	29	65	82	87	29	46	46	36	19	0
	0.7a	-27	-5	10	20	26	27	-133	-33	26	57	71	75	30	48	48	37	20	0
Long Side	0.6a	-23	-5	9	16	20	22	-114	-28	22	47	58	61	30	49	49	38	20	0
0.000	0.5a	-19	-5	3	7	8	8	-95	-22	17	36	44	46	29	50	50	38	20	Ö
	0.4a	-15	-8	-8	-11	-14	-15	-74	-17	11	23	28	29	28	49	49	38	20	0
	0.3a	-10	-14	-24	-36	-46	-49	-51	13	4	9	10	10	24	45	45	34	18	0
	0.2a	-5	-23	-49	-73	-90	-96	-27	-10	-5	-6	-8	-9	19	38	37	28	14	0
	0.1a	-1	37	-83	-123	-149	-158	-7	-9	-15	-22	-27	29		24	23	17	9	0
	BOT.	0	-55	129	-189	-226	-238	0	-11	-26	-38	-45	-48	0	0	0	0	0	0
			M	, Coe	fficier	nt			N	l _y Coe	efficie	nt			M	yz Coe	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	***	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
	TOP	-26	0.9c	0.8c	0.7c	0.6c	0	-128	0.9c	0.8c -60	0.7c -24	0.6c	3	22	0.9c 16	0.8c	0.7c 2	0.6c	
	0.9a	-35	-19	-9	-4	-1	0	-128	-103	-5∪ -54	- <u>24</u> -21	-4	<u>3</u>	29	17	9	4	2	- 0
	0.9a	-30	-20	-11	-5	-1	- 0	-152	-103	-48	-17	0	6	29	16	9	5	2	- 6
	0.7a	-27	-17	-9	-2	2	3	-133	-81	-41	-13	3	9	30	17	9	4	2	
Short Side	0.6a	-23	-13	-5	1	- 5	7	-114	-68	-33	-8	6	11	30	17	81	3	1	0
Onort orde	0.5a	-19	-9	Ö	6	10	11	-95	-54	-24	-4	8	12	29	15	7	2	ō	
	0.4a	-15	-4	4	10	14	15	-74	-40	-16	0	9	12	28	13	4	0	1	0
	0.3a	-10	0	8	13	16	17	-51	-26	-9	3	9	11	24	9	1	2	2	ō
	0.2a	-5	4	9	13	14	15	-27	-13	-3	3	7	8	19	5	1	3	2	0,
	0.1a	1	6	8	7	6	5	-7	-3,	0	2	3	3,	11	_ 1	3	4	2	0
	BOT.	0	7	1	-7	44	47	-		_			-			_	0	_	
	DQ1.	U			-/	-14	-17	Ð	1	0	-1	3	-3	0	0	0		0	0
h G		U		'	-7	•14]	1/	- 0	1	0	-1	3	-3	0	0	U I		01	0
$\frac{b}{a} = 2.0, \frac{c}{a} =$					efficie		1/	-		, Coe			-3	0		_{xy} Coe			0
$\frac{b}{a} = 2.0, \frac{c}{a} =$		CORNER	M	l _x Coe	o.36	nt 0.4ზ	0.5b	CORNER	M 0.1b	, Coe	fficle	n t	-3 0.5b		M	_{xy} Coe	efficie	nt 0.4b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	0.5	CORNER	0.1b 0.9b	0.2b	0.3b 0.7b	0.45 0.6b	0.5b	CORNER	0.1b	, Coe	0.3b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	xy Co e 0.25 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	TOP	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.45 0.6b	0.5b	CORNER	0.1b 0.9b -38	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER 26	0.1b 0.9b 52	0.25 0.8b	0.3b 0.7b	0.4b 0.6b 20	0.5b
$\frac{b}{a} = 2.0, \frac{c}{a} =$	TOP 0.9a	-24 -33	0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b 0	0.45 0.6b 0	0.5b 0 17	-120 -167	0.1b 0.9b -38	0.2b 0.8b 40 37	0.3b 0.7b 81 74	0.4b 0.6b 100 92	0.5b 106 97	26 31	0.1b 0.9b 52 48	0.2b 0.8b 50 48	0.3b 0.7b 38 36	0.4b 0.6b 20	0.5b 0 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$	TOP 0.9a 0.8a	-24 -33	0.1b 0.9b 0 -5	0.2b 0.8b 0 7	0.3b 0.7b 0 13 20	0.45 0.65 0 16 24	0.5b 0 17 26	-120 -167 -140	0.1b 0.9b -38 -34 -30	0.2b 0.8b 40 37 33	0.3b 0.7b 81 74 67	0.4b 0.6b 100 92 83	0.5b 106 97 87	26 31 31	0.1b 0.9b 52 48 49	0.2b 0.8b 50 48 48	0.3b 0.7b 38 36 37	0.4b 0.6b 20 19	0.5b 0 0
	TOP 0.9a	-24 -33	0.1b 0.9b 0	0.2b 0.8b 0	0.3b 0.7b 0	0.4b 0.6b 0 16 24 26	0.5b 0 17	-120 -167	0.1b 0.9b -38	0.2b 0.8b 40 37	0.3b 0.7b 81 74	0.4b 0.6b 100 92	0.5b 106 97	26 31	0.1b 0.9b 52 48	0.2b 0.8b 50 48	0.3b 0.7b 38 36	0.4b 0.6b 20	0.5b 0 0 0
$\frac{b}{a} = 2.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a	-24 -33 -28 -24	0.1b 0.9b 0 -5 -5	0.2b 0.8b 0 7 10	0.3b 0.7b 0 13 20	0.45 0.65 0 16 24	0.5b 0 17 26 27	-120 -167 -140 -119	0.1b 0.9b -38 -34 -30 -26	0.2b 0.8b 40 37 33	0.3b 0.7b 81 74 67 58	0.4b 0.6b 100 92 83 71	0.5b 106 97 87 75	26 31 31 32	0.1b 0.9b 52 48 49 50	0.2b 0.8b 50 48 48 49	0.3b 0.7b 38 36 37 38	0.4b 0.6b 20 19 19	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a	-24 -33 -28 -24 -20	0.1b 0.9b 0 -5 -5 -3	0.2b 0.8b 0 7 10 12	0.3b 0.7b 0 13 20 21	0.45 0.6b 0 16 24 26 20	0.5b 0 17 26 27 21	-120 -167 -140 -119	0.1b 0.9b -38 -34 -30 -26 -21	0.2b 0.8b 40 37 33 30 25	0.3b 0.7b 81 74 67 58 48	0.4b 0.6b 100 92 83 71 58	0.5b 106 97 87 75 61	26 31 31 32 33	0.1b 0.9b 52 48 49 50 51	0.2b 0.8b 50 48 48 49 51	0.3b 0.7b 38 36 37 38 39	0.4b 0.6b 20 19 19 20 20	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	-24 -33 -28 -24 -20 -16 -12	0.1b 0.9b 0 -5 -5 -3 -2	0.2b 0.8b 0 7 10 12	0.3b 0.7b 0 13 20 21 17 7 -11	0.4b 0.6b 0 16 24 26 20 7	0.5b 0 17 26 27 21 7	-120 -167 -140 -119 -99 -80	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9	0.2b 0.8b 40 37 33 30 25	0.3b 0.7b 81 74 67 58 48 36 23	0.4b 0.6b 100 92 83 71 58 44 27	0.5b 106 97 87 75 61 45	26 31 31 32 33 33 33	0.1b 0.9b 52 48 49 50 51 52	0.2b 0.8b 50 48 48 49 51	0.3b 0.7b 38 36 37 38 39	0.4b 0.6b 20 19 19 20 20 20	0.5b 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	-24 -33 -28 -24 -20 -16 -12 -8	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13	0.2b 0.8b 0 7 10 12 10 4 -7 -25	0.3b 0.7b 0 13 20 21 17 7 -11 -39	0.4b 0.6b 0 16 24 26 20 7 -15 -48	0.5b 0 17 26 27 21 7 -17 -52 -100	-120 -167 -140 -119 -99 -80 -61	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8	0.2b 0.8b 40 37 33 30 25 19 12 4	0.3b 0.7b 81 74 67 58 48 36 23 9	0.4b 0.6b 100 92 83 71 58 44 27 9	0.5b 106 97 87 75 61 45 28 9	26 31 31 32 33 33 33 30 25	0.1b 0.9b 52 48 49 50 51 52 51 48 39	0.2b 0.8b 50 48 48 49 51 51 51 50 46	0.3b 0.7b 38 36 37 38 39 39 39 39	0.4b 0.6b 20 19 20 20 20 21 20	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-24 -33 -28 -24 -20 -16 -12	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13	0.2b 0.8b 0 7 10 12 10 4 -7 -25 -51 -88	0.3b 0.7b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128	0.4b 0.6b 0 16 24 26 20 7 -15 -48 -94	0.5b 0 17 26 27 21 7 -17 -52 -100 -163	-120 -167 -140 -119 -99 -80 -61 -40 -21	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8	0.2b 0.8b 40 37 33 30 25 19 12	0.3b 0.7b 81 74 67 58 48 36 23 9 -7	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28	0.5b 106. 97 87 75 61 45 28 9 -10	26 31 31 32 33 33 33 30 25 15	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25	0.2b 0.8b 50 48 48 49 51 51 51 50 46 37	0.3b 0.7b 38 36 37 38 39 39 39 38 34 28	0.4b 0.6b 20 19 20 20 21 20 21 20 18 14	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	-24 -33 -28 -24 -20 -16 -12 -8	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13	0.2b 0.8b 0 7 10 12 10 4 -7 -25	0.3b 0.7b 0 13 20 21 17 7 -11 -39	0.4b 0.6b 0 16 24 26 20 7 -15 -48	0.5b 0 17 26 27 21 7 -17 -52 -100	-120 -167 -140 -119 -99 -80 -61 -40	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8	0.2b 0.8b 40 37 33 30 25 19 12 4	0.3b 0.7b 81 74 67 58 48 36 23 9	0.4b 0.6b 100 92 83 71 58 44 27 9	0.5b 106 97 87 75 61 45 28 9	26 31 31 32 33 33 33 30 25	0.1b 0.9b 52 48 49 50 51 52 51 48 39	0.2b 0.8b 50 48 48 49 51 51 51 50 46 37	0.3b 0.7b 38 36 37 38 39 39 39 39	0.4b 0.6b 20 19 20 20 21 20 21 20 18	0.5b 0 0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	-24 -33 -28 -24 -20 -16 -12 -8 -4	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13 -24 -41 -64	0.2b 0.8b 0 7 10 12 10 4 -7 -25 -51 -88 -137 -2c	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196	0.4b 0.6b 0 6 16 24 26 20 7 -15 -48 -94 -154 -232	0.5b 0 17 26 27 21 7 -17 -52 -100 -163	-120 -167 -140 -119 -99 -80 -61 -40 -21	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13	0.2b 0.8b 40 37 33 30 25 19 12 4 -56 -16 -27	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28 -46	0.5b 106. 97 87 75 61 45 28 9 -10	26 31 31 32 33 33 33 30 25 15	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0	0.2b 0.8b 50 48 48 49 51 51 50 46 37 23 0	0.3b 0.7b 38 36 37 38 39 39 39 38 34 28 17 0	0.4b 0.6b 20 19 20 20 21 20 18 14 8 0	0.5b 0 0 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	-24 -33 -28 -24 -20 -16 -12 -8 -4 -1 0	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13 -24 -41 -64 M 0.1c 0.9c	0.2b 0.8b 0.8b 0 10 12 10 4 -7 -25 -51 -88 -137 Coe 0.8c 0	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196 fficier 0.3c 0.7c	0.40 0.60 0 16 24 26 20 7 -15 -48 -94 -154 -232	0.5b 0 17 26 27 21 7 -17 -52 -100 -163 -245	-120 -167 -140 -119 -99 -80 -61 -40 -21 -5 0	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13	0.2b 0.8b 40 37 33 30 25 19 12 4 -5 -16 -27 Coe 0.2c 0.8c -134	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39	0.4b 0.6b 100 92 83 71 58 44 27 9 -28 -46	0.5b 106 97 87 75 61 45 28 9 -10 -30 -49	26 31 31 32 33 33 30 25 15 0	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0	0.2b 0.8b 50 48 48 49 51 51 50 46 37 23 0 0.2c 0.8c 18	0.3b 0.7b 38 36 37 38 39 39 38 34 28 17 0	0.4b 0.6b 20 19 20 21 20 21 20 18 14 8 0 0 nt 0.4c 0.6c	0.5b 0 0 0 0 0 0 0 0
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT, TOP 0.9a 0.8a	-24 -33 -28 -24 -20 -16 -12 -8 -4 -1 0 -12 -3 -3 -24 -24 -24 -33 -28 -24	0.1b 0.9b 0 -5 -5 -3 -2 -13 -24 -41 -64 M 0.1c 0.9c 0 -27 -25	0.2b 0.8b 0.8b 0 10 12 10 4 -7 -25 -51 -88 -137 Coe 0.2c 0.8c 0 -22 -23 -20	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196 66 0.3c 0.7c 0 -18 -22 -19	0.4b 0.6b 0.6b 16 24 26 20 7 -15 -48 -94 -154 -232 0.4c 0.6c 0 -16 -20 -19	0.5b 0 17 26 27 21 7 -17 -52 -100 -163 -245 0.5c 0 -15 -20 -19	-120 -167 -140 -119 -99 -80 -61 -40 -21 -5 0	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13 M 0.1c 0.9c -155 -140 -123 -104	0.2b 0.8b 40 37 33 30 25 19 12 4 -5 -16 -27 (Coe 0.2c 0.8c -134 -121 -108 -93	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39 0.3c 0.7c -119 -109 -97	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28 -46 0.4c 0.6c -111 -102 -91 -78	0.5b 106. 97 87 75 61 45 28 9 -10 -30 -49 0.5c -108 -99 -89 -77	26 31 32 33 33 30 25 15 0 CORNER 26 31 31 32	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0 0.1c 0.9c 22 22 24	0.2b 0.8b 0.8b 48 48 49 51 51 50 46 37 23 0 0.2c 0.8c 18 16 15	0.3b 0.7b 38, 36, 37, 38, 39, 39, 38, 34, 28, 17, 0, 0,3c, 0,7c, 11, 10, 10, 11,	0.4b 0.6b 20 19 20 21 20 18 14 8 0 0.4c 0.6c 5 5 5	0.5b 0 0 0 0 0 0 0 0 0 0
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a	-24 -33 -28 -24 -20 -16 -12 -8 -4 -1 0 CORNER -24 -33 -28 -24 -20 -16	0.1b 0.9b 0 -5 -5 -3 -2 -13 -24 -41 -64 M 0.1c 0.9c 0 -27 -25 -22 -18 -14	0.2b 0.8b 0.8b 0 10 12 10 4 -7 -25 -51 -88 -137 2 Coe 0.2c 0.8c 0.2c 0.8c -22 -23 -20 -16 -12	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196 0.3c 0.7c 0.3c 0.7c 0 -18 -22 -19 -15 -10	0.4b 0.6b 0.6b 24 26 20 7 -15 -48 -94 -154 -232 0.4c 0.6c 0 -16 -20 -19 -15 -10	0.5b 0 17 26 27 21 7 -17 -52 -100 -163 -245 0.5c 0 -15 -20 -19 -14 -9	-120 -167 -140 -119 -99 -80 -61 -40 -21 -5 0 corner -120 -167 -140 -119 -99 -80	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13 M 0.1c 0.9c -155 -140 -123 -104 -87 -69	0.2b 0.8b 40 37 33 30 25 19 12 4 -5 -16 -27 Cos 0.2c 0.8c -134 -121 -108 -93 -76 -59	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39 **********************************	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28 -46 0.4c 0.6c -111 -102 -91 -78 -64 -49	0.5b 106. 97 87 75 61 45 28 9 -10 -30 -49 0.5c -108 -99 -89 -77 -63 -48	26 31 32 33 33 30 25 15 0 CORNER 26 31 31 32 33 33 33	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0 0.1c 0.9c 29 22 24 25 25	0.2b 0.8b 0.8b 48 48 49 51 51 50 46 37 23 0 0.2c 0.8c 18 16 15 17	0.3b 0.7b 38, 36, 37, 38, 39, 39, 38, 17, 0, 0.7c, 11, 10, 10, 11, 12, 12,	0.4b 0.6b 20 19 20 21 20 18 14 80 0 nt 0.4c 0.6c 5 5 5 6 6	0.5b 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a	-24 -33 -28 -24 -20 -16 -12 -8 -4 -1 0 CORNER -24 -33 -28 -24 -20 -16 -12	0.1b 0.9b 0 -5 -5 -3 -2 -13 -24 -41 -64 M 0.1c 0.9c 0 -27 -25 -22 -18 -14 -9	0.2b 0.8b 0.8b 0 7 10 12 10 4 -7 -25 -51 -88 -137 Coe 0.2c 0.8c 0 -22 -23 -20 -16 -12 -7	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196 0.3c 0.7c 0.3c 0.7c 0 -18 -22 -19 -15 -10 -5	0.4b 0.6b 0.6b 16 24 26 20 7 -15 -48 -94 -154 -232 1t 0.4c 0.6c 0 -16 -20 -19 -15 -10 -4	0.5b 0 17 26 27 21 7 -17 -52 -100 -163 -245 0.5c 0 -15 -20 -19 -14 -9 -4	-120 -167 -140 -119 -99 -80 -61 -21 -5 0 -120 -167 -140 -119 -99 -80 -61	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13 M 0.1c 0.9c -155 -140 -123 -104 -87 -69 -50	0.2b 0.8b 40 37 33 30 25 19 12 4 -5 -16 -27 Cos 0.2c 0.8c -134 -121 -108 -93 -76 -59 -43	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39 **********************************	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28 -46 0.6c -111 -102 -91 -78 -64 -49 -34	0.5b 106 97 87 75 61 45 28 9 -10 -30 -49 0.5c -108 -99 -89 -77 -63 -48 -33	26 31 32 33 33 30 CORNER 26 31 31 32 33 33 33 33 33 33	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0 0.1c 0.9c 22 22 24 25 25 25	0.2b 0.8b 50 48 48 49 51 51 50 46 37 23 0 0.2c 0.8c 18 16 15 17 18 18	0.3b 0.7b 38, 36, 37, 38, 39, 39, 38, 34, 28, 17, 0, 0.7c, 11, 10, 10, 11, 12, 12, 12, 12,	0.4b 0.6b 20 19 20 21 20 18 14 80 0.4c 0.6c 5 5 5 6 6 6	0.5b 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.9a	CORNER -24 -33 -28 -24 -20 -16 -12 -8 -4 -1 0 CORNER -24 -33 -28 -24 -20 -16 -12 -8	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13 -24 -41 -64 M 0.1c 0.9c 0 -27 -25 -22 -18 -14 -9 -4	0.2b 0.8b 0.8b 0 10 12 10 4 -7 -25 -51 -88 -137 2 Coe 0.8c 0.2c 0.8c 0.2c 0.8c -12 -16 -12	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196 0.3c 0.7c 0.3c 0.7c 18 -22 -19 -15 -10 -5	0.4b 0.6b 0.6b 24 26 20 7 -15 -48 -94 -154 -232 1 0.4c 0.6c 0.16 -20 -19 -15 -10 -4 2	0.5b 0 17 26 27 -17 -52 -100 -163 -245 0.5c 0 -15 -20 -19 -14 -9 -4 -3	-120 -167 -140 -119 -99 -80 -61 -21 -5 0 -120 -167 -140 -119 -99 -80 -61	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13 M 0.1c 0.9c -155 -140 -123 -104 -87 -69 -50 -33	0.2b 0.8b 40 37 33 30 25 19 12 4 -5 -16 -27 Cos 0.2c 0.8c -134 -121 -108 -93 -76 -59 -43 -27	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39 **********************************	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28 -46 0.6c -111 -102 -91 -78 -64 -49 -34	0.5b 106. 97 87 75 61 45 28 9 -10 -30 -49 0.5c -108 -99 -89 -77 -63 -48 -33 -19	26 31 32 33 33 30 CORNER 26 31 31 32 33 33 33 33 33 33 33 33 33 33 33 33	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0 0.1c 0.9c 22 22 24 25 25 25 25	0.2b 0.8b 50 48 48 49 51 51 50 46 37 23 0 0.2c 0.8c 18 16 15 17 18 18 18	0.3b 0.7b 38, 36 37 38 39 39 38 34 28 17 0 0.3c 0.7c 11 10 10 11 12 12 12	0.4b 0.6b 20 19 20 21 20 18 14 80 0.4c 0.6c 5 5 5 6 6 6	0.5b 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.1a 0.7a 0.1a	CORNER -24 -33 -28 -24 -20 -16 -12 -8 -4 -1 0 CORNER -24 -23 -28 -24 -20 -16 -12 -8 -4 -4	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13 -24 -41 -64 M 0.1c 0.9c 0 -27 -25 -22 -18 -14 -9 -4	0.2b 0.8b 0.8b 0 7 10 12 10 4 -7 -25 -51 -88 -137 2 Coe 0.8c 0 -22 -23 -20 -16 -12 -7 -1 4	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196 0.7c 0.7c 0 -18 -22 -19 -15 -10 -5 1	0.4b 0.6b 0.6b 24 26 20 7 -15 -48 -94 -154 -232 1 0.4c 0.6c 0 -16 -20 -19 -15 -19 -15 -19 -19 -19 -19	0.5b 0 17 26 27 -17 -52 -100 -163 -245 0.5c 0 -15 -20 -19 -14 -9 -4 -3 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9 -9	-120 -167 -140 -119 -99 -80 -61 -21 -5 0 CORNER -120 -167 -140 -119 -99 -80 -61 -40 -21	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13 M 0.1c 0.9c -155 -140 -123 -104 -87 -69 -50 -33 -16	0.2b 0.8b 40 37 33 30 25 19 12 4 -5 -16 -27 Cos 0.2c 0.8c -134 -121 -108 -93 -76 -59 -43 -27 -13	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39 **********************************	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28 -46 0.6c -111 -102 -91 -78 -64 -49 -34 -20 -8	0.5b 106 97 87 75 61 45 28 9 -10 -30 -49 0.5c -108 -99 -89 -77 -63 -48 -33 -19 -8	26 31 33 33 30 25 15 31 32 33 33 33 33 33 33 33 33 33 33 33 33	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0 0.1c 0.9c 22 22 24 25 25 25 25 25	0.2b 0.8b 50 48 48 49 51 51 50 46 37 23 0 0.2c 0.8c 18 16 15 17 18 18 18 16 12	0.3b 0.7b 38 36 37 38 39 39 38 34 28 17 0 0.3c 0.7c 11 10 10 11 12 12 12 10 8	0.4b 0.6b 20 19 20 21 20 18 14 8) 0 0.4c 0.6c 5 5 5 6 6 6 6 6	0.5b 0 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.9a	CORNER -24 -33 -28 -24 -20 -16 -12 -8 -4 -1 0 CORNER -24 -33 -28 -24 -20 -16 -12 -8	0.1b 0.9b 0 -5 -5 -3 -2 -3 -6 -13 -24 -41 -64 M 0.1c 0.9c 0 -27 -25 -22 -18 -14 -9 -4	0.2b 0.8b 0.8b 0 10 12 10 4 -7 -25 -51 -88 -137 2 Coe 0.8c 0.2c 0.8c 0.2c 0.8c -12 -16 -12	0.3b 0.7b 0 13 20 21 17 7 -11 -39 -77 -128 -196 0.3c 0.7c 0.3c 0.7c 18 -22 -19 -15 -10 -5	0.4b 0.6b 0.6b 24 26 20 7 -15 -48 -94 -154 -232 1 0.4c 0.6c 0.16 -20 -19 -15 -10 -4 2	0.5b 0 17 26 27 -17 -52 -100 -163 -245 0.5c 0 -15 -20 -19 -14 -9 -4 -3	-120 -167 -140 -119 -99 -80 -61 -21 -5 0 -120 -167 -140 -119 -99 -80 -61	0.1b 0.9b -38 -34 -30 -26 -21 -16 -12 -9 -8 -9 -13 M 0.1c 0.9c -155 -140 -123 -104 -87 -69 -50 -33	0.2b 0.8b 40 37 33 30 25 19 12 4 -5 -16 -27 Cos 0.2c 0.8c -134 -121 -108 -93 -76 -59 -43 -27	0.3b 0.7b 81 74 67 58 48 36 23 9 -7 -23 -39 **********************************	0.4b 0.6b 100 92 83 71 58 44 27 9 -9 -28 -46 0.6c -111 -102 -91 -78 -64 -49 -34	0.5b 106. 97 87 75 61 45 28 9 -10 -30 -49 0.5c -108 -99 -89 -77 -63 -48 -33 -19	26 31 32 33 33 30 CORNER 26 31 31 32 33 33 33 33 33 33 33 33 33 33 33 33	0.1b 0.9b 52 48 49 50 51 52 51 48 39 25 0 0.1c 0.9c 22 22 24 25 25 25 25	0.2b 0.8b 50 48 48 49 51 51 50 46 37 23 0 0.2c 0.8c 18 16 15 17 18 18 18	0.3b 0.7b 38, 36 37 38 39 39 38 34 28 17 0 0.3c 0.7c 11 10 10 11 12 12 12	0.4b 0.6b 20 19 20 21 20 18 14 80 0.4c 0.6c 5 5 5 6 6 6	0.5b 0 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



													-	- q 			_	_	
$\frac{b}{a} = 1.5, \frac{c}{a} =$	1.0	· · ·	М	l _x Coe	efficie	nt	··· -		M	, Cos	fficie	nt			М	_{xy} Cod	efficle	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3ხ	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8ხ	0.7ь	0.6b			0.9b	0.8b	0.7ხ	0.6b			0.9b	0.8b	0.7b	0. 6 b	
	TOP	-18	0	0	0	0	0		45	20	61	83	90	9	26	27	21	11	0
	0.9a	-27	-7	3	9	12	13	-135	-42	18	56	77	84	15	23	24	19	10	0
	0.8a	-24	-7	6	15	20	21	-121	-39	17	52	71		15	23	24	19	10	0
	0.7a	-22		- 8	18	24	26	-110	-35	16	47	63	69	16	25	26	20	11	0
Long Side	0.6a	-20	-4	9	18	24	25	-98	-30	14	41	55	59	16,	26	28	22	12	0.
- 70.76	0.5a	-17	-3	8	15	19	21	-85	-25	12	33	44	47	16	28	30	24	13	0
	0.4a	-14	-4	3	7	9	9	-68	-19	9	24	32	34	16	30	31	25	13	
	0.3a	-10	-6	5	-7	9	-10	-49	-14	5	14	18	19	14	29	31	24	_ 13	0
	0.2a	-5	-10	-20	-30	-37	-40	-27	-9	-1	2	3	3	11	26	27	21	11	0
	0.1a	-1	-18	-42	-64	-78	-84	-7	-6,	-7	-10	-13	-14	7	17	18	14	7	0
	BOT.	0	-30	-75	-113	-138	-146	0	-6	-15	-23	-28	-29	0	0	0	0	0.	0
				1.4						0	9								
			M	Coe	fficien	it				, Coe	fficier	nt			M	yz Coe	efficie	nt	
		CORNER		0.2c	0.3c	0.4c	0.5c	CORNER		0.20	0.30	0.4c	0.5c	CORNER		0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9¢	0.8¢	0.7c	0.6c	
	TOP	-18	0	0	0	0	0	-89	-81	-35	-3	15	21	9	7	0	2	_ 1	0
	0.9a	-27	-14	-5	-1	1	2	-135	-74	-31	-2	15	20	15	8	3	1	0	0
	0.8a	-24	-14	-6	-1	3	4	-121	-68	-28	0	15	21	15	8	4	1	0	0
	0.7a	-22	-13	-5	1	5	6	-110	-61	-24	2	16	21	16	8	3	1	0	0
Short Side	0.6a	-20	-10	-2	4	8	9	-98	-53	-19	4	17	21	16	7	2	0	. 1	0
	0.5a	-17	-7	1	7	11	12	-85	-43	-14	6	17	20	16	6	1	2	1	0
	0.4a	-14	-4	4	9	13	14	-68	-33	-9	7	15	18	16	4	2	3	2	0
	0.3a	-10	-1	5	10	12	13	-49	-22	-5	6	12	14	14	2	4	5	3	0
	0.2a	-5	1	5	7	8	8	-27	-12	-2	4	7	8	11	1	6	6	4	0
	0.1a	-1	2	1	-2	-5	-6	-7	-4	-1	1	1	1	7	2	6	5	3	0
	BOT.	이	1	-10	-22	-30	-33	이	<u> </u>	-2	-4	-6	-7	0.	ol	0	0	0	0
										_									
$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5		М	x Coe	fficler	nt			М	, Coe	fficier	nt			M,	ку Соє	fficle	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.26	0.3b	0.4b	0.5b	CORNER	0.15	0.2b	0.35	0.4b	0.5b
			0.95	0.85	0.7b	0.6b			0.9b	0.85	0.7b	0.6b			0.9b	0.86	0.75	0.6b	3,22
	TOP	-16	0	0	0	0	0	<i>-</i> 78	-33	29	68	88	95	15	30	30	23	12	0

ı	ona	Side	

	CORNER	0.1b	0.2b	0.3ხ	0.4b	0.5b	CORNER	0.1b	0.26	0.3b	0.4b	0.5b	CORNER	0.15	0.2b	0.35	0.4b	0.5b
		0.95	0.85	0.7ხ	0.6b			0.9b	0.8ხ	0.7b	0.6b			0.9b	0.86	0.7b	0.6b	
TOP	-16	0	0	0	0	0	-78	-33	29	68	88	95	15	30	30	23	12	0
0.9a	-24	-5	5	10	13	14	-119	-29	27	63	82	88	19	27	27	21	11	0
0.8a	-21	-4	8	17	21	23	-104	-26	26	58	75	80	19	27	27	21	11	0
0.7a	-18	-2	11	20	25	27	-92	-23	23	52	67	72	20	29	29	22	12	0
0.6a	-16	0	12	20	25	27	-80	-19	21	45	57	61	21	31	31	24	13	0
0.5a	-13	0	10	16	20	21	-67	-15	17	36	46	49	23	33	33	26	14	0
0.4a	-11	-2	4	7	8	8	-53	-11	13	26	32	34	23	34	34	26	14	0
0.3a	-8	-5	-6	-9	-12	-13	-38	-8	7	15	18	19	22	34	33	25	13	0-
0.2a	-4	-12	-23	-34	-43	-45	-21	-6	0	2	2	2	19	30	29	22	11	Ō
0.1a	-1	-23	-49	-72	-87	-92	-6	-6	-8	-12	-14	-15	12	20	19	14	7	0
BOT.	0	-40	-87	-125	-150	-158	0	-8	-17	-25	-30	-32	0	0	0	0	0	0

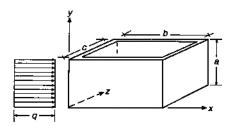
M _z Coefficient

M_y Coefficient

Myz Coefficient

										-						•			
		CORNER	0.10	0.20	0.30	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c
			0.90	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.90	0.8¢	0.7c	0.6c	
	TOP	-16	0	0	0	0	0	-78	-108	-92	-80	-74	-72	15	19	11	7	3	0
	0.9a	-24	-19	-15	-12	-10	-10	-119	-98	-83	-74	-68	-66	19	14	10	7	3	Ö
	0.8a	-21	-18	-16	-15	-14	-14	-104	-88	-76	-66	-61	-59	19	14	10	6	3	0
	0.7a	-18	-16	-15	-14	-13	-13	-92	-78	-66	-58	-53	-51	20	15	11	7	3	0
Short Side	0.6a	-16	-14	-13	-12	-11	-11	-80	-66	-56	-48	-44	-42	21	16	12	8	4	ő
	0.5a	-13	-11	-10	-8	-8	-7	-67	-54	-45	-38	-34	-32	23	17	13	- 8	4	0
	0.4a	-11	-8	-6	-4	-3	-3	-53	-42	-33	-27	-23	-22	23	17	12	8	4	. 0
	0.3a	-8	-4	-2	. 0	1	2	-38	-28	-21	-16	-13	-12	22	16	11	7	3	0
	0.2a	-4	0	3	5	7	7	-21	15	-10	-7	-5	-4	19	13	. 9	5	3	0
	0.1a	-1	4	7	10	11	12	-6	-4	-2	0	1	1	12	8	5	3	1	0
	BOT.	0	8	12	13	14	14	0	2	2	3	3	3	0	0	0	0	0	0

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 1.0, \frac{c}{a} =$	= 0.5		N	l _x Coe	efficie	nt			N	l, Coe	efficie	nt			N	l _{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.35	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.15	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	<u> </u>		0.95	0.85	0.7b	0.6b	
	TOP	-7	0	0	0	0	0	-37	-19	16	40	54	58	5	10	10	8	4	0
	0.9a	-12	-4		5		7	-62	-17	15	38	51			8	8	6	3	0
	0.8a	-11	-3	_		11	12		-16	15	36	48		6	8	8	6	3	Ó
	0.7a	-11	-2			14	16	-54	-15	14	33	45	48	7	9	8	7	4	0
Long Side	0.6a	-10	-1	7	13	18		-50	-14	13	31	41	44	8		10	. 8	4	0
-	0.5a	-9	0	7	13	16	17	-46	-12	11	27	35	38		12	12	10	5	0
	0.4a	-8	0	6	11	14	15	-39	-10	10	21	28	30		14	14	11	6	0
	0.3a	-6	-1	3	6	7	8	-31	-7	7	15	19	20	_	16	16	13	7	0
	0.2a	-4	-3		-5		-7	-20	-5	3	7	9			16	16	12	7	0
	0.1a	-1	-8		-25	-30	-32	-7	-3		-2	-3				12	9	. 5	0
	BOT.	0	-17	-40	-59	-71	-75	0	-3	-8	-12	-14	-15	0	0	0	0	0	. 0
			M	, Coe	fflcier	nt			N	, Çoe	fficle	nt			М	yz Cot	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1¢	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	D.8c	0.7c	0.6c	
	TOP	-7	0	0	0	0	0	-37	-51	-40	-32	-27	-25	5	7	4	2	1	0
	0.9a	-12	-9.	-6	-4	-4	-3	-62	-47	-37	-29	-25	-23	6	5	4	2	1	0
	0.8a	-11	-9	-7	-6	-5	-5	-57	-44	-34	-27	-22	-21	6	5	3	2	1,	0
	0.7a	-11	-9	-7	-6	-5	-5	-54	-41	-31	-24	-19	-18	7	5	4	3	1	0
Short Side	0.6a	-10	-8	-7	-6	-5	-5	-50	-37	-27	-20	-16	-14	8	6	5	3	2	0
	0.5a	-9	-7	-6	-4	-4	-3	-46	-33	-23	-16	-12	-10	9	7	5	3	2	0
	0.4a	-8	-6	-4	-2	-1	-1	-39	-27	-17	-11	-7	-6	11	8	5	3	2	0
	0.3a	-6	-4	-1	0	1	2	-31	-20	-12	-6	-3	-2	11	8	5	3	1]	0
		-4	-11	11	3	4	5	-20	-11	-6	-2	- 0	- 1	10	6	3[2	11	0
	0.2a		_			_							_	$\overline{}$		_			
	0.2a 0.1a	-1 -1	2	4	5	6	6	-7	-4	-1	1	1	2	7	3	1	0	D	0

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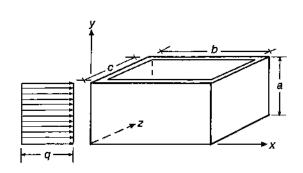
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CASE 8

Deflection =
$$\frac{C_d q a^4}{1000 D}$$
$$D = \frac{Et^3}{12(1-\mu^2)}$$



Deflection Coefficients, C_d

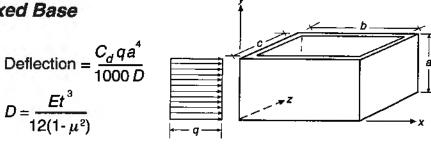
Long Side - Along Midheight (y = a/2)

	X	END	0.1b	0.2b	0.3b	0.4b	0.5b
b/a	c/a		0.9b	0.8b	0.7b	0.6b	
4.0	3.0	0	2.50	4.40	5.10	5.20	5.20
4.0	2.0	0	2.50	4.40	5.10	5.20	5.20
4.0	1.5	0	2.50	4.40	5.10	5.20	5.20
4.0	1.0	0	2.60	4.50	5.10	5.20	5.20
4.0	0.5	0	2.90	4.60	5.10	5.20	5.20
3.0	2.0	0	1.80	3.70	4.70	5.00	5.10
3.0	1.5	0	1.80	3.70	4.70	5.00	5.10
3.0	1.0	0	1.90	3.80	4.70	5.10	5.10
3.0	0.5	0	2.20	4.00	4.80	5.10	5.20
2.0	1.5	0	1.00	2.50	3.70	4.30	4.50
2.0	1.0	0	1.10	2.60	3.70	4.30	4.50
2.0	0.5	0	1.40	2.90	3.90	4.50	4.60
1.5	1.0	0	0.70	1.80	2.70	3.30	3.50
1.5	0.5	0	1.00	2.10	3.00	3.50	3.70
1.0	0.5	0	0.50	1.00	1.50	1.80	2.00

Short Side - Along Midheight (y = a/2)

	Z	END	0.1c	0.2c	0.3c	0.4c	0.5c
<i>bf</i> a	c/8		0.9c	0.8c	0.7c	0.6c	
4.0	3.0	0	1.80	3.70	4.70	5.00	5.10
4.0	2.0	0	1.00	2.50	3.60	4.30	4.50
4.0	1.5	0	0.60	1.60	2.60	3.20	3.40
4.0	1.0	0	0.10	0.50	1.00	1.30	1.40
4.0	0.5	0	-0.20	-0.20	-0.30	-0.30	-0.30
3.0	2.0	0	1.00	2.50	3.60	4.30	4.50
3.0	1.5	0	0.60	1.60	2.60	3.20	3.40
3.0	1.0	0	0.10	0.50	1.00	1.30	1.40
3.0	0.5	0	-0.20	-0.20	-0.30	-0.30	-0.30
2.0	1.5	0	0.60	1.60	2.60	3.20	3.40
2.0	1.0	0	0.10	0.50	1.00	1.30	1.40
2.0	0.5	O	-0.20	-0.20	-0.30	-0.30	-0.30
1.5	1.0	0	0.10	0.60	1.00	1.30	1.40
1.5	0.5	0	-0.20	-0.20	-0.30	-0.30	-0.30
1.0	0.5	0	-0.10	-0.20	-0.20	-0.20	-0.20

CASE 8



Deflection Coefficients, C_a

Long Side - Along Midspan (x = b/2)

b/a	C/B Y	0	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3,70	2.00	0
4.0	2.0	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
4.0	1.5	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	<u>~</u> 0
4.0	1.0	0	0.50	1.70	3.20	4.40	5.20	5.40	4.90	3.70	2.00	0
4.0	0.5	0	0.50	1.70	3.20	4.40	5,20	5.40	4.90	3.70	2.00	0
3.0	2.0	0	0.50	1.70	3.10	4.30	5.10	5.30	4.80	3.70	2.00	
3.0	1.5	0	0.50	1.70	3.10	4.30	5.10	5.30	4.80	3.70	2.00	0
3.0	1.0	0	0.50	1.70	3.10	4.40	5.10	5.30	4.80	3.70	2.00	
3.0	0.5	_ 0	0.50	1.70	3.10	4.40	5.20	5.30	4.80	3.70	2,00	
2.0	1.5	0	0.50	1.50	2.80	3.80	4.50	4.60	4.20	3.20	1.70	<u>o</u>
2.0	1.0	0	0.50	1.60	2.80	3.90	4.50	4.70	4.20	3.20	1.70	0
2.0	0.5	0	0.50	1.60	2.80	3.90	4,60	4.80	4.30	3.30	1.80	
1.5	1.0	0	0.40	1.20	2.20	3.00	3.50	3.60	3.20	2.50	1.30	0.
1.5	0.5	0	0.40	1.30	2.30	3.20	3.70	3.80	3.50	2.60	1.40	
1.0	0.5	0	0.20	0.80	1.30	1.70	2.00	2.00	1.80	1.40	0.70	<u> </u>

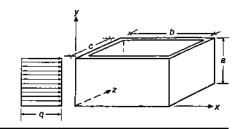
Short Side - Along Midspan (z = c/2)

56	الإيزا		0.1-	0.00	0.0-	0.4-						
b/a	c/a	<u> </u>	0.1a	0.2a	0.3a	0.4a	0.5a	0.6a	0.7a	0.8a	0.9a	1.0a
4.0	3.0	0	0.50	1.70	3.10	4.30	5.10	5.30	4.80	3. <u>7</u> 0	2.00	C
4.0	2.0	0	0.50	1.50	2.80	3.80	4.50	4.60	4.20	3.20	1.70	
4.0	1.5	0	0.40	1.20	2.10	2.90	3.40	3.50	3.10	2.40	1.30	
4.0	1.0	0	0.20	0.60	1.00	1.20	1.40	1.40	1.30	1.00	0.50	
4.0	0.5	0	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	
3.0	2.0	0	0.50	1.50	2.80	3.80	4.50	4.60	4.20	3.20	1.70	0
3.0	1.5	0	0.40	1.20	2.10	2.90	3.40	3.50	3.10	2.40	1.30	
3.0	1.0	0	0.20	0.60	1.00	1.20	1.40	1.40	1.30	1.00	0.50	
3.0	0.5	0	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	
2.0	1.5	0	0.40	1.20	2.10	2.90	3.40	3.50	3.10	2.40	1,30	
2.0	1.0	0	0.20	0.60	1.00	1.20	1.40	1.40	1.30	1.00	0.50	
2.0	0.5	0	0.00	-0.10	-0.20	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	C
1.5	1.0	. 0	0.20	0.60	1.00	1.30	1.40	1,40	1.30	1.00	0.50	0
1.5	0.5	0	0.00	-0.10	-0.10	-0.20	-0.30	-0.30	-0.30	-0.20	-0.10	
1.0	0.5	0	0.00	0.00	-0.10	-0.10	-0.20	-0.20	-0.20	-0.10	0.00	0

CASE 8

Hinged Top Fixed Base

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 4.0, \frac{c}{a} =$	= 3.0		M	l _x Coe	fficie	nt			M	, Coe	fficie	nt			M	_{xy} Coe	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	1		0.9b	d8.0	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	Ô	0	0	0	3	22	8	2	0	. 0
	0.9a	-7	18	28	32	32	32	-35	7	9	7	7	7	2	20	8	2	0	0
	0.8a	-12	28	47	53	55	55	-60	13	15	13	11	11	1	16	6	2	0	٥
	0.7a	-15	33	58	66	67	67	-75	16	19	16	14	14	1	10	4	1	0	0
Long Side	0.6a	-16	34	60	68	70	70	-81	17	20	16	15	14	0	2	1	0	0	0,
	0.5a	-16	31	55	61	62	63	-78	16	19	15	13	13	0	5	2	1	0	0
	0.4a	-14	24	41	44	45	45	-68	13	15	11	9	9	1	11	5	1	0	. 0
	0.3a	-10	12	18	. 18	18	18	-50	9	8	5	4	4	1	15	6	1	0	0
	0.2a	-6	-6	-14	-19	-20	-20	-29	3	0	-3	-4	-4	2	15	6	1	0	0
	0.1a	-2	-32	-57	-65	-67	-67	-8	-5	-11	-13	-13	-13	1	11	4	1	0	0
	вот.	0	-70	-112	-123	-125	-125	0	-14	-22	-25	-25	-25	0	ol	0	0	ol	0
			M	, Coei	ficien	ıt			М	, Coe	fficier	nt			M,	yz Coe	efficie	nt	

Short Side

	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.40	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.80	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	0	. 0	0	0	0	Ō	Ö	3	25	15	7	2	0
0.9a	-7	13	24	30	32	32	-35	4	9	8	7	7	2	23	14	6	2	0
0.8a	-12	20	40	50	53	54	-60	7	16	14	13	12	1	18	11	5	2	0
0.7a	-15	23	49	61	65	67	-75	8	20	18	16	15	1	11	7	3	1	0
0.6a	-16	23	50	63	68	69	-81	8	21	19	17	16	0	2	1,	0	0	0
0.5a	-16	21	46	57	61	62	-78	8	20	18	15	14	0	5	4	2	1	0
0.4a	-14	16	35	42	44	45	-68	7	17	14	11	10	1	12	8	4	1	0
0.3a	-10	9	16	18	18	18	-50	5	10	7	5	5	1	16	10	4	1	0
0.2a	-6	-4	-10	-16	-18	-19	-29	1	2	-1	-3	-3	2	17	10	4	1	0
0.1a	-2	-22	-48	-61	-65	-67	-8	-4	-8	-12	-13	-13	1	13	7	3	1	0
вот.	0	-51	-98	-117	-123	-124	0	-10	-20	-23	-25	-25	0	0	0	0	0	0

$\frac{b}{a} = 4.0, \frac{c}{a} =$	2.0		М	, Coe	fficier	nt			M	, Coe	fficie	nt			M	_{ry} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3ь	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7ь	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	O]	0	0	0	Ö	0	0	0	. 0	0	0	3	_22	8	2	D	0
	0.9a	-7	18	28	32	32	32	¨ -35	7	9	7	7	7	2	20	8	2	0	0
	0.8a	-12	28	47	53	55	55	-59	13	15	13	11	11	2	16	6	2	0	Ö
	0.7a	-15	33	58	66	67	67	-75	16	19	16	14	14	1	10	4	1	0	0
Long Side	0.6a	-16	34	60	68	70	70	-81	17	20	16	15	14	٥	2	1	0	0	O
	0.5a	-16	31	55	61	62	63	-78	16	19	15	13	13	1	5	2	1	0	0
	0.4a	-14	24.	41	44	45	45	-68	13	15	11	9	9	1	11	5	1	0	0
	0.3a	-10	12	18	18	18	18	-50	9	8	5	4	4	1	15	6	1	0	0
	0.2a	-6	-6	-14	-19	-20	-20	-29	ω	0	-3	-4	-4	2	15	6	1	0	0
	0.1a	-2	-32	-57	-65	-67	-67	-8	-5	-11	-13	-13	-13	1	11	4	1	0	0
	вот.	0	-70	-112	-123	-125	-125	0	-14	-22	-25	-25	-25	0	0	0	0	0	0

M_z Coefficient

Short Side

	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.60			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	0	0	0	0	0	0	0	_ 3	24	22	14	7	0
0.9a	-7	7	18	24	27	28	-35	-1	7	9	9	9	2	22	20	13	6	Po
0.8a	-12	10	28	40	46	48	-59	-3	13	16	17	16	2	17	16	10	5	0
0.7a	-15	10	33	48	56	58	-75	-6	16	21	21	21	1	10	10	9	3	0
0.6a	-16	10	34	50	58	61	-81	-7	17	23	23	22	0	2	2	1	1	0
0.5a	-16	9	31	45	53	55	-78	-7	16	21	21	21	1	5	5	3	2	0
0.4a	-14	7	24	35	40	42	-68	-6	14	18	17	16	1	11	11	7	4	0
0.3a	-10	4	12	17	18	19	-50	-4	9	11	10	9	1	15	15	10	5	0
0.2a	-6	-2	-5	-10	-13	-14	-29	-3	3	2	1	٥	2	16	15	10	4	. 0
0.1a	-2	-13	-32	-47	-55	-58	-8	-3	5	-8	-10	-11	1	12	11	7	3	0
BOT.	0	-29	-70	-97	-1 <u>1</u> 1	-115	0	-6	-14	-19	-22	-23	0	0	0	0	0	0

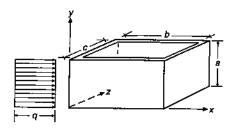
M_y Coefficient

Myz Coefficient

M, Coefficient

M, Coefficient

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a} = 4.0, \frac{c}{a} =$	1.5		₩	l _x Coe	efficie	nt			M	l _y Coe	fficie	nt			М	_{xy} Co	efficie	ent	
		CORNER	0.1b	0.2b	0.3b	0.46	0.5b	CORNER	0.1b	0.2b	0.35	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7ь	0.6ხ			0.9b	0.8b	0.7b	0.6b			0.9ზ	0.8b	0.7ь	0.6b	1 1
	TOP	0	0	0	0	0.	0	0	0	0	0	O	0	4	22	8.	2	0	0
	0.9a	-7	18	28	32	32	32	-34	7	9	7	7	7	3	20	8	2	0	0
	0.8a	-12	28	48		55	55	-58	13	15	13	11	11	2	16	6	2	0	0
3.55	0.7a	-15	34	58	66	67	67	-73	16	19	16	14	14	1	10	4	1	0	
Long Side	0.6a	-16	34	60	68	70	70	-79	17	20	16	15	14	0	2	1	ō	0	ō
	0.5a	15	31	55	61	62	63	-77	16	19	15	13	13	1	5	2	1	0	0
	0.4a	-13	24	41	44	45	45	-67	14	15	11	9	9	1	11	- 5	1.	0	0
	0.3a	-10	12	18	18	18	18	-50	9	8	5	4	4	2	15	6	1	0	0
	0.2a	-6	-6	-14	-19	-20	-20	29	Э	Ō	3	-4	-4	2	15	- 5	1	0	
	0.1a	-2	-32	-58	-66	-67	67	-8	-5,	-11	-13	-13	-13	1	11	4.	1	0.	
	BOT.	0	-70	-113	-123	-125	-125	0	-14	-23	-25	-25	-25	0	0	0	0	ol	0

Short Side

		M	, Coe	fficier	nt			M	ly Coe	fficie	nt			M	lyz Co	efficie	nţ	
	CORNER	0.1¢	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.40	0.5c
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	ן ו		0.9c	0.8c	0.7c	0.6c	1
TOP	0	0	D	0	0	Ó	0	0	Ô	0	0	0	4	21	22	16	9	0
0.9a	7	4	12	18	22	23	-34	-5	5	9	11	11	3	19	20	15		0.
0.8a	-12	4	19	29	35	37	58	-11	Ø	16	19	20	2	14	16	12	6	0
0.7a	-15	4	21	34	42	45	-73	-15	10	21	24	25	1	8	10	7	4	<u>ō</u>
0.6a	-16	3	21	35	44	47	-79	-18	11	22	26	27	0	2	2	2		0
0.5a	15	2	20	33	41	43	-77	-17	10	22	25	26	1	4	5	4	2	
0.4a	-13	2	16	26	32	34	-67	-15	9	18	21	22	1	9	11	8	4	0
0.3a	-10	1	9	14	17	18	-50	-11	- 6	12	14	14	2	13.	15	11	6	- <u>-</u>
0.2a	-6	-2	-2	-4	-6,	-7	-29	-7	2	5	5	4.	2	14	16	12	6	0
0.1a	2	-8	-21	33	-41	-44	-8	-4	-3	-5	-6	-7	1	11	12	8	4	<u>_</u>
BOT.	0	-17	-49	-75	-90	-94	0	-3	-10	-15	-18	-19	0	0	O	0	0	

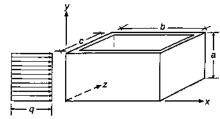
$\frac{b}{a} = 4.0, \frac{c}{a} =$	1.0		M	, Coe	fficie	nt			M	, Coe	tficie	nt			M	_{ry} Cod	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1ზ	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6ь			0.9b	0.8b	0.7b	0.6b	L.		0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	. 0	0	0	0	0	7	21	8	2	0	0
	0.9a	-6	19	29	32	32	32	-30	8	9.	7	7	7	6	20	8	2	0	
	0.8a	-10	30	48	53	55	55	-52	13	15	12	11	11	4	15	6	1	0	<u>_</u>
	0.7a	-13	35	58	66	67	67	-65	16	19	15	14	14	2	9	3	1	0	
Long Side	0.6a	-14	36	61	68	70	70	-70	18	20	16	15	14	0	2	1	0	0	
	0.5a	-14	33	55	61	62	63	-69	17	19	15	13	13	2	- 5	2	1	0	0
	0.4a	-12	25	41	45	45	45	-60	14	15	11	9	9	3	11	4	1	0	<u>ŏ</u>
	0.3a	-9	13	18	18	18	18	-46	10	8.	5	4	4	4	14	6	1	0	- 0
	0.2a	-5	6	-15	-19	-20	-20	-27	3	0	-3	-4	-4	4	15	5.	1.	- ō	
	0.1a	-2	-33	-58	-66	-67	-67	-8	-5	-11	-13	-13	-13	3	10	3	1	0	— <u> </u>
	BOT.	O	-73	-113	-123	-125	-125	0	-15	-23	-25	-25	-25	0	0	0	0	0	ŏ

	_	M	, Coe	fficier	nt			N	ly Cos	efficie	nt			М	yz Co	etticie	nt	
	CORNER	D.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.40	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
		0.9c	0.8c	0.7c	0.6ç			0.9c	0.8c	0.7c	0.6c	1		0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	0	0	0	0	0	0	0	7	11	14	12	7	
0.9a	-6	0	5	9	11	12	-30	-9	1	7	10	10	6	10	13	11	- 6	<u>~</u>
0.8a	-10	-2	6	13	16	18	-52	-18	1	12	17	18	4	7	10	9	5	
0.7a	-13	-4	6:	13	18	20	-65	-24	- 0	14	21	23	- 2	4				— <u>-</u>

Short Side

_		0.50	U,DC	0.70	0.00			0.90	U.BC	0.70	0.50			U.9C	0.8c	0.7c	0.6c	i F
TOP	0	0	0	0	0	0	0	0	0	0	0	0	7	11	14	12	7	
0.9a	-6	0	5	9	11	12	-30	-9	1	7	10	10	6	10	13	11	6	<u>-</u>
0.8a	-10	-2	6	13	16	18	-52	-18	1	12	17	18	4	7	10	9	5	
0.7a	-13	-4	6	13	18	20	-65	-24	0	14	21	23	2	4	6	5	3	—*
0.6a	-14	-4	- 5	13	18	20	-70	-27	0	15	23	26	Ö.	1	2		1	
0.5a	-14	-4	5	13	18	19	-69	-26	0	15	23	25	2		2	- 3	- i	 i
0.4a	-12	-3	5	12	16	17	-60	-23	0	14	20	22	3	4	- 6	5	3	Ť
0.3a	9	-2	4	9	11	12	-46	-17	1	10	15	17:	4	6	9	8	41	
0.2a	- 5	-1	1	2	2	2	-27	-10	0	6	8	9	4	7	10	9	5	<u>—-</u> [
0.1a	ļ	-2	7	-12	-15	-17	-8	-4	-1	-1	-1	-1	Э	- 6	9	- 	4	
BOT.	0	6	-22	-37	-48	-51	0	-1	-4	-7	-10	-10	o	ō		ò		
		<u> </u>	<i>LL</i>	-0,1	01	-51	U	-11	•4	/	-101	-10	U	U	- 01	01	0	0

Moment = Coef. $\times qa^2/1000$

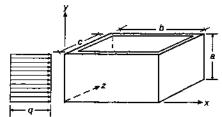


													E						→ x
													 -	- <i>q</i> 					
$\frac{b}{a} = 4.0, \frac{c}{a} =$	= 0.5		N	I _x Coe	efficie	nt			N	l, Coe	fficie	nt	•		М	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7Ь	0.6b	1	l	0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0	15	20	7	2	0	0
	0.9a	-4	20	29	32	32	32	-22	8	8	7	7	7	14	19	7	2	Ö	Ö
	0.8a	-7	32	49	54	55	55	-37	14	15	12	11	11	11	15	5	1	0	0
	0.7a	-9	38	60	66	67	68	-45	18	18	15	14	14	6	9	3	1	0	0
Long Side	0.6a	-10	39	62	69	70	70	-48	20	20	16	14	14	1	2	0	0	0	0
	0.5a	-9	36	56	61	62	63	-47	19	18	14	13	13	3	5	2	1	0	_ 0
	0.4a	-8	28	42	45	45	45	-42	16	14	11	9	9	7	10	4	1	0	0
	0.3a	-7	14	18	18	18	18	-33	10	8	5	4	4	10	14	5	1	0	0
	0.2a	-4	-7	-15	-19	-20	-20	-20	3	-1	-3	-4	-4	10	14	5	1	0	0
	0.1a	-1	-37	-59	-66	-67	-68	-7	-6	-11	-13	-13	-13	7	10	3	1	0	0
	BOT.	0	-79	-115	-124	-125	-125	0	-16	-23	-25	-25	-25	0	٥	٥	0	0	. 0
					-,							. 10 0							
			М	Coe	fficier	ıt			M	Coe	fficie	nt			M.	Cor	efficie	nt	
				-			- A C-					1. 1	0.50	ODENED		•			0.6-1
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.60		<u> </u>	0.9c	0.8c	0.7c	0.6c		45	0.9c	0.8c	0.7c	0.6c	
	TOP	0	. 0	0	_	0	0	0	0	0	0	0	0	15	6	2	1	0	
	0.9a	-4	-3	-1	0	1	1	-22	-12	-6	-3	0	. 0	14	6	3	1	0	0
	0.8a	-7	-6	-4	-3	-2	-2	-37	-23	-13 -17	-6	-2	-1	11	6	3	1	1	0
	0.7a	9	-8	-7 -8	-6 -7	-5 -6	-5 -6	-45	-29 -32	-17	-9	-4 -5	-3 -4	6	1	2			. <u>0</u>
Short Side	0.6a	-10	9	-8 -7				-48 -47	-32 -31	-19	-11 -10		-4	3	2	1	1		
	0.5a 0.4a	-9 -8	-8 -7	- <i></i> -5	-6 -4	-6 -4	-5 -3	-47	-31 -27	-18	-10			7			1		
	0.4a 0.3a	o 7	-4	, ; ;3	1	0	0		-20	-11	-6 -5			10	6		2		
	0.3a 0.2a	-4	- 4 -1	7	2	3	3		-12	-6	-1	1		10	5	2	ن <u>ہ</u> ۔۔۔۔ 1	0	- 0
	0.2a	-1	1	3		5	5	- <u>-20</u> -7	-4	-1	1		2	7	3!		o		0
	BOT.	-,	3	3		0	0		1	1	Ö			0	0	0		ő	<u>ŏ</u> l
	BOT.	<u> </u>		3		U	U				- 0		- 0						
h c									_										
$\frac{b}{a} = 3.0, \frac{c}{a} =$	2.0		M	Coe	fficie	nt			М	Coe	fficie	nt			M.	Cos	efficie	nt	
ਰ <u>,</u> ਰ		,																	:
		CORNER	0.1Ь	0.2b	0.3b	0.46	0.5ხ	CORNER		0.2b	0.3b	0.4b	0.5b	CORNER	-	0.2b	0.3b	0.4b	0.5b
	F		0.9b	0.8b	0.7b	0.6ხ		<u> </u>	0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0		0	0	0		0	2	24	15	6	2	0
	0.9a	-7	13	24	30	32	32	-35	4	9	8	7	7	2	23	14	6	2	9
	0.8a	-12	20	40	50	53	54 67	-60	7	16 20	14 18	13 16	12 15	1	18 11	11	5	1	
	0.7a	-15	23	49	61	65		-75	<u>8</u>		19	17	16	0		6	3		0
Long Side	0.6a	-16	23 21	50 46	63 57	68 61	69 62	-81 -78	8	21 20	18	15	14	0	2 5	4	2	0	
	0.5a 0.4a	-16 -14	16	35	42	44	45	- /8	7	17	14		10	1		8	31		
								-50	5	10	7	_	5	1	16	10			~
	0.3a	-10	9	16 -10	18	18 -18	18 -19	-29	1	2	-1	-3	-3	1	17	10	4		0
	0.2a	-6 -2	-4 -22	-10 -48		-10 -65	-67	- <u>23</u>	-4	-8	-12	-13	-13	1		7	3		- 6
	0.1a							0		-20	-23	-25	-25	0	0		0	0	
	BOT.	0	-51	-98	-117	-123	-124	U	-10	*20	~23	-20	-20	U	U	U	U	<u> </u>	· ·
			М	, Coe	fficier	ıt			M	, Coe	fficie	nt			M,	yz Coe	efficie	nt	
	ı	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.20	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
				0.8c		0.6c		1	0.9c		0.7c				0.9c	0.8c	0.7c		
	TOP	0	0				0	0	0	0	0	0	0	2	24	22	14	7.	Ö
	1 2 2	-	_	1 45		~=			-							- ^^	40		

Short Side

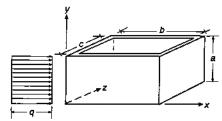
		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.60			0.9c	0.8c	0.7c	0.6c	
TOP	0	0	0	0	0	0	0	0	0	0	0	0	2	24	22	14	7	Ö
0.9a	-7	7	18	24	27	28	-35	-1	7	9	. 9	9	2	22	20	13	6	0
0.8a	-12	10	28	40	46	48	-60	-3	13	16	17	16	1	17	16	10	5	0
0.7a	-15	10	33	48	56	58	-75	÷	16	21	21	21	1	10	10	6	3	0
0.6a	-16	10	34	50	58	61.	-81	-7	17	23	23	22	0	2	2	1	1	0
0.5a	-16	9	31	45	53	55	-78	-7	16	21	21	21	0	. 5	5	3	2	O
0.4a	-14	7	24	_35	40	42	-68	-6	14	18	17	16	1	11	11	7	4	0
0.3a	-10	4	12	17	18	19	-50	-4	9	11	10	9	1	15	15	10	5	0
0.2a	-6	-2	-5	-10	-13	-14	-29	ဒု	3	2	1	0	1	16	15	10	4	0
0.1a	-2	-13	-32	-47	-55	-58	-8	ဒု	-5	-8	-10	-11	1	12	11	. 7	3	O
BOT.	0	-29	-70	-97	-111	-115	0	-6	-14	-19	-22	-23	0	0	0	0	Ö	0

Moment = Coef. $\times qa^2/1000$



													'	-q— 					
$\frac{b}{a} = 3.0, \frac{c}{a} =$	= 1.5			_	efficie						fficie					<u> </u>	efficie		
		CORNER		0.2b	0.3b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b	CORNER	0.1b 0.9b	0.2b	0.3b	0.4b	0.5b
	TOP	0	0.9b 0	0.8b	0.7b 0	0.60	O	0	0.90	0.60		0.60	0	3	24	0.8b 15	0.7b 6	0.6b 2	0
	0.9a	-7	13	25	30	32	32	-34	5	9	8	7	7	2	23	14	6	2	0,
	0.8a	-12	. 20	40	50	53	54	-58	7	16	14	13	12	2	18	.11	5	1	0
1.200	0.7a	-15	23	49	61	65	67	-73	8	20	18		15	1	11	6	3	1	
Long Side	0.6a	-16	23	51	63	68	69	-80	9	21	19	17	16	0	2	1	0	0	0
	0.5a 0.4a	-15 -13	21 17	46 35	57 42	61 44	62 45	-77 -67	8 7	20 17	18 14	15, 11	14	1	5 12	4 8	3	1	0
	0.3a	-10	9	16	18	18	18	-50	5	10	7	5	4	2	16	10	4	- 1	0
	0.2a	-6	-4	-10	-16	-18	-19	-29	1	2	-1	-3	-3	2	17	10	4	1	0
	0.1a	-2	-23	-48	-61	-65	-67	-8	-4	-8	-12	-13	-13	1	12	7	3	1	_ 0
	BOT.	0	-51	-98	-117	-123	-124	0	-10	-20	-23	-25	-25	0	0	0	0	0	0
			М	, Coe	fficier	ıt			M	, Coe	efficie	nt			М	_{yz} Coe	efficie	nt	
		CORNER	0.1c	0.2c	0.3c	0.4c	0.50	CORNER	0.1c	0.2c	0.3c	0.4¢	0.50	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	إإ		0.9c	0.8c	0.7c	0.60	
	TOP 0.9a	0 -7	0 4	0 12	18	22	23	-34	-5	0 5	9	0 11	0 11	3 2	21 19	22	16 15	9	0
	0.9a 0.8a	-12	4	19	29	35	37	-58	-11	9	16	19	20	2	14	16	12	6	-
	0.7a	-15	4	21	34	42	45	-73	-15	10	21	24	25	1	8	10	7	4	ŏ
Short Side	0.6a	-16	3	21	35	44	47	-80	-18	11	22	26	27	0	2	2	2	1	0
	0.5a	-15	2	20	33	41	43	-77	-18	10	22	25	26	1	4	5	4	2	0
	0.4a	-13	2	16	26	32	34	-67 -50	-15 -11	9	18	21	22 14	1	9	11	8	4	0
	0.3a 0.2a	-10 -6	-2	9 -2	14 -4	17 -6	18 -7	-29	-!! -7	2	12 5	14	4	2	13	15 16	11	6 6	0
	0.1a	-2	-8	-21	-33	-41	-44	-8	-4	-3	-5	-6	-7	1	11	12	8	4	- 0
	вот.		47	-49	-75	-90	-94	ō	-3	-10	-15	-18		0	0	0	0	D	0
	BOT.	ol	-17	-49	-/3	-90)	-94	V	ان-	-10	-15	-101	-19	VI	VI	U-l	- 01	-	<u> </u>
$\frac{b}{a} = 3.0, \frac{c}{a} =$		U			-/5)		-94	<u> </u>			-151		-19	UI			efficie		
$\frac{b}{a} = 3.0, \frac{c}{a} =$		CORNER	M				-94 0.5b	CORNER					-19 0.5b	CORNER					0.5b
$\frac{b}{a} = 3.0, \frac{c}{a} =$		CORNER	0.1b 0.9b	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b 0	CORNER	0.1b 0.9b	y Coe 0.2b 0.8b	0.3b 0.7b	0.4b 0.6b		CORNER 6	0.1b 0.9b 24	0.2b 0.8b	0.3b 0.7b	0.4b 0.6b	0.5b 0
$\frac{b}{a} = 3.0, \frac{c}{a} =$	TOP 0.9a	CORNER	0.1b 0.9b 0	0.2b 0.8b 0.25	0.3b 0.7b 0 0	0.4b 0.6b 0 32	0.5b 0 32	соямея 0 -31	0.1b 0.9b 0	, Coe 0.2b 0.8b 0	0.3b 0.7b 0	0.4b 0.6b 0	0.5b 0 7	corner 6 5	0.1b 0.9b 24 22	0.2b 0.8b 14	0.3b 0.7b 6	0.4b 0.6b 2	0.5b 0
$\frac{b}{a} = 3.0, \frac{c}{a} =$	TOP 0.9a 0.8a	0 -6	0.1b 0.9b 0 14 21	0.2b 0.8b 0 25 41	0.3b 0.7b 0 30 50	0.4b 0.6b 0 32 53	0.5b 0 32 54	0 -31 -52	0.1b 0.9b 0 5	0.2b 0.8b 0 9	0.3b 0.7b 0 8	0.4b 0.6b 0 7	0.5b 0 7 12	CORNER 6 5 4	0.1b 0.9b 24 22 17	0.2b 0.8b 14 13	0.3b 0.7b 6 6 4	0.4b 0.6b 2 2 2	0.5b 0 0
	TOP 0.9a 0.8a 0.7a	0 -6 -10	0.1b 0.9b 0 14 21 25	0.2b 0.8b 0 25 41 50	0.3b 0.7b 0 30 50 61	0.4b 0.6b 0 32 53 66	0.5b 0 32 54 67	оянея 0 -31 -52 -65	0.1b 0.9b 0 5 8	0.2b 0.8b 0 9 16	0.3b 0.7b 0 8 14 18	0.4b 0.6b 0 7 13	0.5b 0 7 12 15	6 5 4 2	0.1b 0.9b 24 22 17	0.2b 0.8b 14 13 10 6	0.3b 0.7b 6 6 4	0.4b 0.6b 2 2 1	0.5b 0 0 0
$\frac{b}{a} = 3.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a	0 -6	0.1b 0.9b 0 14 21	0.2b 0.8b 0 25 41	0.3b 0.7b 0 30 50	0.4b 0.6b 0 32 53	0.5b 0 32 54	0 -31 -52	0.1b 0.9b 0 5	0.2b 0.8b 0 9	0.3b 0.7b 0 8	0.4b 0.6b 0 7	0.5b 0 7 12	CORNER 6 5 4	0.1b 0.9b 24 22 17	0.2b 0.8b 14 13	0.3b 0.7b 6 6 4 2 0	0.4b 0.6b 2 2 2	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -6 -10 -13 -14 -14	0.1b 0.9b 0 14 21 25 25 23 18	0.2b 0.8b 0 25 41 50 52 47 35	0.3b 0.7b 0 30 50 61 64 58	0.4b 0.6b 0 32 53 66 68 61 45	0.5b 0 32 54 67 69 62 45	0 -31 -52 -65 -71 -69 -60	0.1b 0.9b 0 5 8 10 10 8	0.2b 0.8b 0 9 16 20 21 20	0.3b 0.7b 0.7b 0 8 14 18 19 18	0.4b 0.6b 0 7 13 16 16 15	0.5b 0 7 12 15 16 14	6 5 4 2 0 2 3	0.1b 0.9b 24 22 17 10 2 5	0.2b 0.8b 14 13 10 6 1 4	0.3b 0.7b 6 6 4 2 0 2	0.4b 0.6b 2 2 1 1 0 1	0.5b
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a	0 -6 -10 -13 -14 -14 -12 -9	0.1b 0.9b 0 14 21 25 25 23 18	0.2b 0.8b 0.8b 0 25 41 50 52 47 35	0.3b 0.7b 0 30 50 61 64 58 42	0.4b 0.6b 0 32 53 66 68 61 45	0.5b 0 32 54 67 69 62 45	0 -31 -52 -65 -71 -69 -46	0.1b 0.9b 0 5 8 10 10 10 8	0.2b 0.8b 0 9 16 20 21 20 17	0.3b 0.7b 0.7b 0 8 14 18 19 18	0.4b 0.6b 0 7 13 16 16 15	0.5b 0 7 12 15 16 14 10	6 5 4 2 0 2 3 4	0.1b 0.9b 24 22 17 10 2 5 12	0.2b 0.8b 14 13 10 6 1 4 7	0.3b 0.7b 6 6 4 2 0 2 3 4	0.4b 0.6b 2 2 1 1 1 0 1 1 1	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -6 -10 -13 -14 -14 -12 -9 -5	0.1b 0.9b 0 14 21 25 25 23 18 9	0.2b 0.8b 0 25 41 50 52 47 35 17	0.3b 0.7b 0 30 50 61 64 58 42 18	0.4b 0.6b 0 32 53 66 68 61 45 18	0.5b 0 32 54 67 69 62 45 18 -19	0 -31 -52 -65 -71 -69 -60 -46 -27	0.1b 0.9b 0 5 8 10 10 10 8 6	0.2b 0.8b 0 9 16 20 21 20 17 10 2	0.3b 0.7b 0 8 14 18 19 18 14 7	0.4b 0.6b 0 7 13 16 16 15 11	0.5b 0 7 12 15 16 14 10 4	6 5 4 2 0 2 3 4 4 4	0.1b 0.9b 24 22 17 10 2 5 12 16	0.2b 0.8b 14 13 10 6 1 4 7	0.3b 0.7b 6 6 4 2 0 2 3 4 4	0.4b 0.6b 2 2 1 1 0 1 1 1	0.5b 0 0 0 0 0
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Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a	CORNER 0 -6 -10 -13 -14 -12 -9 -5 -2 0 0 -6 -10 -13 -14 -14 -12 -9 -10 -13 -14 -14 -12 -9	0.1b 0.9b 0 14 21 25 23 18 9 -4 -24 -54 M 0.1c 0.9c 0 0 0 -2 -4 -4 -4 -4 -4 -4 -4 -4 -4 -4	0.2b 0.8b 0 25 41 50 52 47 35 17 -11 49 99 0.2c 0.8c 0 5 6 6 5 5	0.3b 0.7b 0 30 50 61 64 58 42 18 -16 -61 -117 fficien 0.3c 0.7c 0.7c 0.7c 0.7c 0.3c 13 13 13 12 9	0.4b 0.6b 0 32 53 66 68 61 45 18 -19 -66 -123 t 0.4c 0.6c 0' 11 16 18 18 18 18 16 11	0.5b 0 32 54 67 69 62 45 18 -19 -67 -125 0.5c 0 12 18 20 19 17 12	CORNER 0 -31 -52 -65 -71 -89 -60 -46 -27 -8 0 CORNER 0 -31 -52 -65 -71 -69 -60 -46	0.1b 0.9b 0.9b 10 10 10 8 6 2 -4 -11 M 0.1c 0.9c 0 9 -18 -24 -27 -26 -23 -17	0.2b 0.8b 0 9 16 20 21 20 17 10 2 -9 -20 0.8c 0.1 1 0 0 0 1	0.3b 0.7b 0.8 14 18 19 18 14 -12 -23 **Tflcien** 0.3c 0.7c 0.7c 11 14 15 15 14 10	0.4b 0.6b 0 7 13 16 16 15 11 5 -3 -13 -25 1t 0.4c 0.6c 0 10 17 21 23 23 20 15	0.5b 0 7 12 15 16 14 10 4 -3 -13 -25 0.5c 0 10 18 23 26 25 22 17 9	CORNER 6 5 4 2 0 2 3 4 4 3 0 CORNER 6 5 4 2 0 2 3 4 4 4 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4	0.1b 0.9b 24 22 17 10 2 5 12 16 17 12 0 M 0.1c 0.9c 11 10 7 4 1 1 1	0.2b 0.8b 14 13 10 6 1 4 7 10 9 6 0.2c 0.8c 14 13 10 6 0 2c 0.8c 14 15 16 16 16 16 17 10 10 10 10 10 10 10 10 10 10	0.3b 0.7b 6 6 4 2 0 2 3 4 4 2 0 0.7c 12 11 9 5 2 2 5 8	0.4b 0.6b 2 1 1 1 0 1 1 1 1 0 0 1 1 1 1 1 1 1 1 1	0.5b 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



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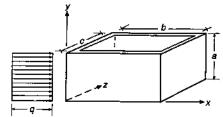
OT.	0	-29	-70	-97	-111	-115	0	-6	-14	-19	-22	-23	0	0	0	0	0	0
		M,	, Coe	fficien	t			M	, Coe	fficie	nt			М	yz Coe	efficie	nt	
00	ORNER	0.1c	0,2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c	CORNER	0.10	0.2c	0.3c	0.4c	0.5c
	ſ	0.9c	0.8c	0.7c	0.6c		l	0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	

Short Side	Short	Side
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		0.9c	0.8c	0.7c	0.6c			0.9¢	0.8c	0.7c	0.6c	L		0.9c	0.80	0.7c	0.6c	
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0.9a	-7	4	12	18	22	23	-34	-5	5	9	11	11	2	19	20	15	8	0
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0.7a	-15	4	21	34	42	45	-73	-15	10	21	24	_ 25	1	8	10	7	4	0
0.6a	-16	3	21	35	44	47	-79	-18	11	22	26	27	O	2	2	2	1	0
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0.1a	-2	-8	-21	-33	-41	-44	-8	-4	-3	-5	-6	-7	1 :	11	12	8	4	0
BOT.	0	-17	-49	-75	-90	-94	0	-3	-10	-15	-18	-19	0	0	0	0	0	0

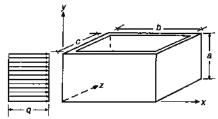
Tank Analysis Results

Moment = Coef. $\times qa^2/1000$



													 -	- q					
$\frac{b}{a} = 2.0, \frac{c}{a}$	= 1.0		N	f _x Coe	efficie	nt			M	l, Coe	efficie	nt			M	l _{xy} Co	efficie	nt	
		CORNER		0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER		0.2b	0.3b	0.4b	0.5b
	TOP	0	0.9b 0	0.8b	0.7b	0.6b 0	- 0	0	0.9b 0	0.8b 0	0.7b 0	0.6b 0	0	6	0.9b 25	0.8b 21	0.7b 13	0.6b 6	0
	0.9a	-6	8	18	25	28	29	-31	0	8	9	9	9	5	23	19	12	6	Ö
	0.8a	-10	12		40	46	48	-52	-1	13	16	16	16	4	17	15	10	4	0
Long Side	0.7a 0.6a	-13 -14	13 12	35 36	49 51	57 59	59 62	-65 -70	-3 -4	17 18	21 23	21	20 22	0	10 2	9	6	3	0
Long Side	0.5a	-14	11	32	46	54	56	-69	-4	17	21	21	20	1	5	5	3	2	0
	0.4a	-12	9,	25	35	40	42	-60	3	15	17	17	16	3	12	11;	7	3	0
	0.3a 0.2a	-9 -5	-3	13 -6	-10	18 -13	19 -14	-46 -27	-2	10	11	10	9	4	16	14	9	4	0
	0.2a	-3 -2	-14	-33	-10 -48	-56	-59	-8	-2 -3	<u>3</u>	- 2 -8	-10	0 -11	3 2	17 13	15 10	9	3	0
	BOT.	0	-32	-73	-99	-112	-115	0	-6	-15	-20	-22	-23	- 0	_ 0	0	ō	ō	<u>ŏ</u>
					-2.2.5											Ŋ.	558		
				, Coe			0.5-				fficie		A =			yz Coe			
		CORNER	0.1c 0.9c	0.2c	0.3c 0.7c	0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c	CORNER	0.1c 0.9c	0.2c 0.8c	0.3c 0.7c	0.4c 0.6c	0.5c
	TOP	0	0.00	0.00	0.70	0.00	Ö	0	0.00	0.00	0.70	0.00	0	6	11	14	12	7	ó
	0.9a	-6	0	5	9	11	12	-31	-9	1	. 7	10	10	5	10	13	11	6	0
	0.8a 0.7a	-10 -13	-2 -4	6 6	13 13	16 18	18 20	-52 -65	-18 -24	1 0	12	17 21	18 23	4.	7	10 6	9 5	5	0
Short Side	0.6a	-14	-4	5	13	18	20	-70	-27	0	15	23	26	0	1	2	2	1	0
	0.5a	-14	-4	5	13	18	19	-69	-26	0	15	23	25	1	1	2	2	1	Ō
	0.4a 0.3a	-12 -9	-3 -2	5 4	12 9	16 11	17 12	-60 -46	-23 -17	0	14	20 15	22 17	3	4	6	5	3	0
	0.3a	-5	·1	1	2	- ''	2	-40	-10	- 6	6	8	9	3	6 7	9 10	8	<u>4</u> 5	0
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						$\overline{}$		_											-
	BOT.	0	-6	-22	-37	-48	-51	0	-1	-4	-7	-10	-10	0,	0	0	0	0	0
$\frac{b}{c} = 2.0 \frac{c}{c}$		0		-							, <u>- , - , - , - , - , - , - , - , - </u>		-10						
$\frac{b}{a} = 2.0, \frac{c}{a} =$			М	, Coe	fficier	nt	-51	0	М	, Coe	fficier	nt		0,	М,	, Coe	efficie	nt	0
$\frac{b}{a} = 2.0, \frac{c}{a} =$		OORNER	М	-					M 0.1b		fficier	nt 0.4b	-10 0.5b		M ,	, Co e	o.ab	nt 0.4b	
$\frac{b}{a} = 2.0, \frac{c}{a} =$		CORNER	M 0.1b	0.2b 0.8b	0.3b 0.7b	nt 0.4b	-51	0	0.1b 0.9b	, Coe	fficier	nt		0,	М,	, Coe	efficie	nt	0
$\frac{b}{a} = 2.0, \frac{c}{a} =$	TOP 0.9a	CORNER 0	0.1b 0.9b 0	v. Coe 0.2b 0.8b 0	0.3b 0.7b 0 0	0.4b 0.6b 0	-51 0.5b 0 29	0 CORNER 0 -22	0.1b 0.9b 0	0.2b 0.8b	0.3b 0.7b 0.7b	0.4b 0.6b 0	0.5b 0 9	0 CORNER 14 13	0.1b 0.9b 26 24	0.2b 0.8b 20 18	0.3b 0.7b 12 11	0.4b 0.6b 5	0.5b 0
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$\frac{b}{a} = 2.0, \frac{c}{a} =$ Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a	0 -4 -7 -9 -10	0.1b 0.9b 0 10 15 17 17	0.2b 0.8b 0.8b 0 20 32 38 39 36	0.3b 0.7b 0 25 42 51 53 49	0.4b 0.6b 0 28 48 58 61 55	-51 0.5b 0 29 49 60 63 57	0 -22 -37 -45 -48 -47	0.1b 0.9b 0 3 4 4 4	0.2b 0.8b 0 9 15 19 20	0.3b 0.7b 0 0 9 16 21 23 21	0.4b 0.6b 0 9 16 20 22 20	0.5b 0 9 16 20 21	0 CORNER 14 13 10 6 1 3	0.1b 0.9b 26 24 18 11 2	0.2b 0.8b 20 18 15 9 2	0.3b 0.7b 12 11 9 5 1	0.4b 0.6b 5 5 4 2	0.5b 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a	0 -4 -7 -9 -10 -9 -8	0.1b 0.9b 0 10 15 17	0.2b 0.8b 0 20 32 38 39 36 28	0.3b 0.7b 0 25 42 51 53 49 37	0.4b 0.6b 0 28 48 58 61 55 41	-51 0.5b 0 29 49 60 63 57 42	0 -22 -37 -45 -48 -47 -42	0.1b 0.9b 0 3 4 4	0.2b 0.8b 0 9 15 19 20	0.3b 0.7b 0 9 16 21 23 21	0.4b 0.6b 0 9 16 20 22 20	0.5b 0 9 16 20 21 19	0 CORNER 14 13 10 6 1 3 7	0.1b 0.9b 26 24 18 11 2 5	0.2b 0.8b 20 18 15 9 2 5	0.3b 0.7b 12 1f 9 5 1	0.4b 0.6b 5 5 4 2 0 1 3	0.5b 0 0 0
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	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -4 -7 -9 -10 -9 -8 -7 -4 -1	0.1b 0.9b 0 10 15 17 17 16 12 6 -3 -17	x Coe 0.2b 0.8b 0 20 32 38 39 36 28 14 -7	0.3b 0.7b 0 25 42 51 53 49 37 17 -11	0.4b 0.6b 0 28 48 58 61 55 41 18 -14	-51 0.5b 0 29 49 60 63 57 42 19 -15 -60	0 -22 -37 -45 -48 -47 -42 -33 -20 -7	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0	0.2b 0.8b 0 9 15 19 20 19 16 11 3	0.3b 0.7b 0 9 16 21 23 21 17 11 2	0.4b 0.6b 0 9 16 20 22 20 16 9 0	0.5b 0 9 16 20 21 19 15 8 -1	0 CORNER 14 13 10 6 1 3 7 10 10 7	0.1b 0.9b 26 24 18 11 2 5 12 17 18	0.2b 0.8b 20 18 15 9 2 5 10 14 14	0.3b 0.7b 12 1f 9 5 1 3 6 8 8 5 5	0.4b 0.6b 5 5 4 2 0 1 3 4 4 4 2	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a	0 -4 -7 -9 -10 -9 -8 -7 -4	0.1b 0.9b 0 10 15 17 17 16 12 6	x Coe 0.2b 0.8b 0 20 32 38 39 36 28 14	0.3b 0.7b 0 25 42 51 53 49 37 17 -11	0.4b 0.6b 0 28 48 58 61 55 41 18	-51 0.5b 0 29 49 60 63 57 42 19 -15	0 -22 -37 -45 -48 -47 -42 -33 -20	0.1b 0.9b 0 3 4 4 4 4 4 3 2	0.2b 0.8b 0 9 15 19 20 19 16 11	0.3b 0.7b 0 9 16 21 23 21 17 11	0.4b 0.6b 0 9 16 20 22 20 16 9	0.5b 0 9 16 20 21 19 15 8	0 CORNER 14 13 10 6 1 3 7 10 10 10	0.1b 0.9b 26 24 18 11 2 5 12 17	0.2b 0.8b 20 18 15 9 2 5 10 14	0.3b 0.7b 12 1f 9 5 1 3 6 8 8	0.4b 0.6b 5 5 4 2 0 1 3 4 4	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -4 -7 -9 -10 -9 -8 -7 -4 -1	0.1b 0.9b 0 10 15 17 17 16 12 6 -3 -17 -40	x Coe 0.2b 0.8b 0 20 32 38 39 36 28 14 -7	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58	-51 0.5b 0 29 49 60 63 57 42 19 -15 -60	0 -22 -37 -45 -48 -47 -42 -33 -20 -7	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0 -3 -8	0.2b 0.8b 0.8b 0 9 15 19 20 19 16 11 3 -6	0.3b 0.7b 0 9 16 21 23 21 17 11 2	0.4b 0.6b 0 9 16, 20 22 20 16 9 0 -11	0.5b 0 9 16 20 21 19 15 8 -1	0 CORNER 14 13 10 6 1 3 7 10 10 7	M, 0.1b 0.9b 26 24 18 11 2 5 12 17 18 13	0.2b 0.8b 20 18 15 9 2 5 10 14 14	0.3b 0.7b 12 1f 9 5 1 3 6 8 8	0.4b 0.6b 5 5 4 2 0 1 1 3 4 4 2 0 0	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a	0 -4 -7 -9 -10 -9 -8 -7 -4 -1	0.1b 0.9b 0 10 15 17 16 12 6 -3 -17 -40 M,	x Coe 0.2b 0.8b 0 20 32 38 39 36 28 14 -7 -37 -79 Coef	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114	-51 0.5b 0 29 49 60 63 57 42 19 -15 -60	0 -22 -37 -45 -48 -47 -42 -33 -20 -7	0.1b 0.9b 0 3 4 4 4 4 3 2 0 -3 -8	0.2b 0.8b 0 9 15 19 20 16 11 3 -6 -16	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 fficier 0.3c	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23	0.5b 0 9 16 20 21 19 15 8 -1	0 CORNER 14 13 10 6 1 3 7 10 10 7 0	M, 0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c	0.2b 0.8b 20 18 15 9 2 5 10 14 14 10 0 0 xz Coe	0.3b 0.7b 12 11 9 5 1 3 6 8 8 5 0	0.4b 0.6b 5 5 4 2 0 1 3 4 4 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.5b 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	0 -4 -7 -9 -10 -9 -8 -7 -4 -1 0	0.1b 0.9b 0 10 15 17 16 12 6 -3 -17 -40 M, 0.1c 0.9c	x Coe 0.2b 0.8b 0 20 32 38 39 36 28 14 -7 -37 -79 Coef	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -60 -102	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t	-51 0.5b 0 29 49 60 63 57 42 19 -15 -60 -117	OORNER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0	0.1b 0.9b 0 3 4 4 4 4 3 2 0 -3 -8 M 0.1c	0.2b 0.8b 0 9 15 19 20 16 11 3 -6 -16 -16 -16	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 fficier 0.3c 0.7c	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23	0 CORNER 14 13 10 6 1 3 7 10 10 7 0 CORNER	0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M , 0.1c 0.9c	0.2b 0.8b 20 18 15 9 2 5 10 14 14 10 0 0 0.2c 0.8c	0.3b 0.7b 12 11 9 5 1 3 6 8 8 5 0 0.3c 0.7c	0.4b 0.6b 5 5 4 2 0 1 3 4 4 4 2 0 0 0 0.4c 0.6c	0.5b 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	OORNER 0 -4 -7 -9 -10 -9 -8 -7 -4 -1 0 0	0.1b 0.9b 0 10 15 17 16 12 6 -3 -17 -40 M,	x Coe 0.2b 0.8b 0 20 32 38 39 36 28 14 -7 -37 -79 Coef	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102 ficien 0.3c 0.7c 0	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t 0.4c 0.6c 0 1	-51 0.5b 0 29 49 60 63 57 42 19 -15 -60 -117	OOFINER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0	0.1b 0.9b 0 3 4 4 4 4 3 2 0 -3 -8 M 0.1c 0.9c 0	0.2b 0.8b 0 9 15 19 20 16 11 3 -6 -16	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 fficier 0.3c	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23	0 CORNER 14 13 10 6 1 3 7 10 10 7 0	M, 0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c	0.2b 0.8b 20 18 15 9 2 5 10 14 14 10 0 0 xz Coe	0.3b 0.7b 12 11 9 5 1 3 6 8 8 5 0	0.4b 0.6b 5 5 4 2 0 1 3 4 4 4 2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.5b 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	OOANER OOOANER COOANER OOOANER	0.15 0.9b 0 10 15 17 17 16 12 6 -3 -17 -40 M , 0.1c 0.9c 0 -3 -6	0.2b 0.8b 0 20 32 38 39 36 28 14 -7 -79 Coef 0.2c 0.8c 0 -1 -4	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102 ficien 0.3c 0.7c 0 0 -3	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t 0.4c 0.6c 0 1 -2	-51 0.5b 0 29 49 60 63 57 42 19 -15 -60 -117 0.5c 0 1	OORINER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0 0 CORNER	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0 -3 -8 M 0.1c 0.9c 0 -12 -23	0.2b 0.8b 0 9 15 19 20 19 16 11 3 -6 -16 0.2c 0.8c 0 -6 -13	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 fficier 0.3c 0 -3 -6	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23 at 0.4c 0.6c 0 0	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23 0.5c 0 0	CORNER 14 13 10 6 1 1 0 7 0 0 CORNER 14 13 10 10	M, 0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c 0.9c 6 6	0.2b 0.8b 20 18 15 9 2 5 10 14 14 10 0 0 0.2c 0.8c 2 3 3 3	0.3b 0.7b 12 11 9 5 1 3 6 8 6 0 0 fficien 0.3c 0.7c 1 1 1	0.4b 0.6b 5 5 4 2 0 1 3 4 4 2 0 1 1 1 1 1 1 1 1 1	0.5b 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT.	OOANER OOANER COOANER OO -4 -7 -9 -10 -9 -8 -7 -4 -1 OI	0.15 0.9b 0 10 15 17 17 16 12 6 -3 -17 -40 M , 0.1c 0.9c 0 -3 -6 -8	x Coe 0.2b 0.8b 0 20 32 38 39 36 28 14 -7 -79 Coef 0.2c 0.8c 0 -11 -4 -7	10.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102 11 11 11 11 11 11 11 11 11 11 11 11 11	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t 0.4c 0.6c 0 1 -2 -5	0.5b 0 29 49 60 63 57 42 19 -15 -60 -117 0.5c	OORINER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0 -3 -8 M 0.1c 0.9c 0 -12 -23 -29	0.2b 0.8b 0 9 15 19 20 19 16 11 3 -6 -16 0.2c 0.8c 0 -6 -13 -17	### Company of the co	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23 at 0.4c 0.6c 0 0 0	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23 0.5c 0 0 1 -1 -3	CORNER 14 13 10 6 1 3 7 10 10 7 0 CORNER 14 13 10 6	M, 0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c 0.9c 6 6 6 4	0.2b 0.8b 20 18 15 9 2 5 10 14 14 10 0 0 0.2c 0.8c 2 3 3 2 2	0.3b 0.7b 12 11 9 5 1 3 6 8 8 6 0 0.3c 0.7c 1 1 1 1	0.4b 0.6b 5 5 4 2 0 1 3 4 4 2 0 0 1 1 0 0 6c 0 0 1 1 1 0 1 1 0 1 1	0.5b 0 0 0 0 0 0 0 0
	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.8a 0.7a	COANER COANER	0.1b 0.9b 0 10 15 17 17 16 12 6 -3 -17 -40 M, 0.1c 0.9c 0 -3 -6 -8 -9 -8	0.2b 0.8b 0 0.20 32 38 39 36 28 14 -7 -79 0.2c 0.8c 0 -1 -4 -7 -8 -7	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102 ficien 0.3c 0.7c 0 0 -3 -6 -7	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t 0.4c 0.6c 0 1 -2 -5 -6 -6	0.5b 0 29 49 60 63 57 42 19 -15 -60 -117 0.5c 0 1 -2 -5 -6	CORNER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0 CORNER 0 -22 -37 -45 -48 -47	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0 -3 -8 M 0.1c 0.9c 0 -12 -23 -29 -32 -31	0.2b 0.8b 0 9 15 19 20 19 16 11 3 -6 -16 0.2c 0.8c 0 -6 -13	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 fficier 0.3c 0 -3 -6	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23 *** 0.4c 0.6c 0 0 -2 -4 -5 -5	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23 0.5c 0 0 -1 -3 -4 -4	CORNER 14 13 10 6 1 1 0 7 0 0 CORNER 14 13 10 10	M, 0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c 0.9c 6 6	0.2b 0.8b 20 18 15 9 2 5 10 14 14 10 0 0 0.2c 0.8c 2 3 3 3	0.3b 0.7b 12 11 9 5 1 3 6 8 6 0 0 fficien 0.3c 0.7c 1 1 1	0.4b 0.6b 5 5 4 2 0 1 3 4 4 2 0 1 1 1 1 1 1 1 1 1	0.5b 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.8a 0.7a	COANER COANER	0.15 0.9b 0 10 15 17 17 16 12 6 -3 -17 -40 M , 0.1c 0.9c 0 -3 -6 -8 -9 -8	0.2b 0.8b 0 0.32 38 39 36 28 14 -7 -79 0.2c 0.8c 0 -1 -4 -7 -8 -7	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102 ficien 0.3c 0.7c 0 0 -7 -6 -7	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t 0.4c 0.6c 0 1 -2 -5 -6 -6 -4	0.5b 0 29 49 60 63 57 42 19 -15 -60 -117 0.5c 0 1 -2 -5 -6 -5 -3	CORNER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0 CORNER 0 -22 -37 -45 -48 -47 -42	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0 -3 -8 M 0.1c 0.9c 0 -12 -23 -29 -32 -31 -27	0.2b 0.8b 0 9 15 19 20 19 16 11 3 -6 -16 0.2c 0.8c 0 0 -6 -13 -17 -19 -19	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 6 6 0.3c 0.7c 0 -3 -6 -9 -11 -10 -8	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23 at 0.4c 0.6c 0 0 -2 -4 -5 -4	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23 0.5c 0 0 -1 -3 -4 -4	CORNER 14 13 10 6 1 3 7 10 10 7 0 CORNER 14 13 10 6 1 3 7 10 7 0	0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c 0.9c 6 6 6 4 1 2 4	0.2b 0.8b 20 18 15 9 2 6 10 14 14 10 0 0.2c 0.8c 2 3 3 2 1 1 3 3	60.3b 0.7b 12 1f 9 5 1 3 6 8 8 5 0 0 6 6 7c 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.4b 0.6b 5 5 4 2 0 1 3 4 4 2 0 0 0.6c 0 0 0 1 1 0 0 0 1 1	0.5b 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.6a 0.7a 0.6a 0.5a 0.4a 0.3a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.6a 0.7a 0.6a 0.3a	COANER COANER	0.1b 0.9b 0 10 15 17 17 16 12 6 -3 -17 -40 M, 0.1c 0.9c 0 -3 -6 -8 -9 -8 -7 -4	0.2b 0.8b 0 0.20 32 38 39 36 28 14 -7 -79 0.2c 0.8c 0 -1 -4 -7 -8 -7 -8	0.3b 0.7b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102 ficien 0.3c 0.7c 0 0 -3 -6 -7 -6 -4 -1	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t 0.4c 0.6c 0 1 -2 -5 -6 -6 -4	0.5b 0 29 49 60 63 57 42 19 -15 -60 -117 0.5c 0 1 -2 -5 -6 -5 -3 0	CORNER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0 CORNER 0 -22 -37 -45 -48 -47 -42 -33	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0 -3 -8 M 0.1c 0.9c 0 -12 -23 -29 -32 -31 -27 -20	y Coe 0.2b 0.8b 0 9 15 19 20 19 16 11 3 -6 -16 -16 0.2c 0.8c 0 -6 -13 -17 -19 -19 -16 -11	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 6 6 -9 -11 -10 -8 -5	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23 at 0.4c 0.6c 0 0 -2 -4 -5 -4 -1	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23 0.5c 0 0 -1 -3 -4 -4 -2 0	CORNER 14 13 10 6 1 3 7 10 10 7 0 CORNER 14 13 10 6 1 3 7 10 10 10 10 10 10 10 10 10 10 10 10 10	0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c 0.9c 6 6 6 4 1 2 4 6	0.2b 0.8b 20 18 15 9 2 6 10 14 14 10 0 0.2c 0.8c 2 3 3 2 1 1 3 3 3	60.3b 0.7b 12 1f 9 5 1 3 6 8 8 5 0 0 0.3c 0.7c 1 1 1 1 1 1 1 2	0.4b 0.6b 5 5 4 2 0 1 3 4 4 2 0 0 0.6c 0 0 0 1 1 0 0 0 1 1 1 1 0 0 0 1 1 1 1	0.5b 0 0 0 0 0 0 0 0 0
Long Side	TOP 0.9a 0.8a 0.7a 0.6a 0.5a 0.4a 0.3a 0.2a 0.1a BOT. TOP 0.9a 0.8a 0.7a 0.8a 0.7a	COANER COANER	0.15 0.9b 0 10 15 17 17 16 12 6 -3 -17 -40 M , 0.1c 0.9c 0 -3 -6 -8 -9 -8	0.2b 0.8b 0 0.32 38 39 36 28 14 -7 -79 0.2c 0.8c 0 -1 -4 -7 -8 -7	0.3b 0.7b 0 25 42 51 53 49 37 17 -11 -50 -102 ficien 0.3c 0.7c 0 0 -7 -6 -7	0.4b 0.6b 0 28 48 58 61 55 41 18 -14 -58 -114 t 0.4c 0.6c 0 1 -2 -5 -6 -6 -4	0.5b 0 29 49 60 63 57 42 19 -15 -60 -117 0.5c 0 1 -2 -5 -6 -5 -3	CORNER 0 -22 -37 -45 -48 -47 -42 -33 -20 -7 0 CORNER 0 -22 -37 -45 -48 -47 -42	0.1b 0.9b 0 3 4 4 4 4 4 3 2 0 -3 -8 M 0.1c 0.9c 0 -12 -23 -29 -32 -31 -27	0.2b 0.8b 0 9 15 19 20 19 16 11 3 -6 -16 0.2c 0.8c 0 0 -6 -13 -17 -19 -19	0.3b 0.7b 0 9 16 21 23 21 17 11 2 -9 -20 6 6 0.3c 0.7c 0 -3 -6 -9 -11 -10 -8	0.4b 0.6b 0 9 16 20 22 20 16 9 0 -11 -23 at 0.4c 0.6c 0 0 -2 -4 -5 -4	0.5b 0 9 16 20 21 19 15 8 -1 -11 -23 0.5c 0 0 -1 -3 -4 -4	CORNER 14 13 10 6 1 3 7 10 10 7 0 CORNER 14 13 10 6 1 3 7 10 7 0	0.1b 0.9b 26 24 18 11 2 5 12 17 18 13 0 M, 0.1c 0.9c 6 6 6 4 1 2 4	0.2b 0.8b 20 18 15 9 2 6 10 14 14 10 0 0.2c 0.8c 2 3 3 2 1 1 3 3	60.3b 0.7b 12 1f 9 5 1 3 6 8 8 5 0 0 6 6 7c 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	0.4b 0.6b 5 5 4 2 0 1 3 4 4 2 0 0 0.6c 0 0 0 1 1 0 0 0 1 1	0.5b 0 0 0 0 0 0 0 0 0

Moment = Coef. $\times qa^2/1000$



													 - -	- q ∤					
$\frac{b}{a} = 1.5, \frac{c}{a} =$: 1.0		N	I _x Coe	fficie	nt			M	l _y Coe	fficie	nt			M	_{xy} Co	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b	<u> </u>		0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	Ö	0		0	0	0	0	0	0	5	22	22	16	8	0
	0.9a	-6	5	13	19	22	23	-30	-4	6	9	11	11	4	20	20	15	7	0
	0.8a	-10	6	20	30	36	38	-51	-8	10	17	19	19	3	15	16	12	6	
	0.7a	-13	6	23	36	44	46	-64	-11	12	21	24	25	2	9	10	7	4	
Long Side	0.6a	-14	5	24	37	45	48	-69	-13	12	23	26	27	0	2	2	2	1	
	0.5a	-14	5	22	34	42	44	-68	-13	12	22	25	26	1	4	5	3	_ 2	0:
	0.4a	-12	4	17	27	33	35	-59	-11	10	18	21	21	2	10	11	8	4	
	0.3a	-9	2	10	15	17	18	-45	-8	7	13	14	_ 14	3	14	15	11	6	0
	0.2a	-5	-2	-3		-7	-8	-27	-5	3	5	4	4	3	15	15	11	6	0
	0.1a	-2	-9	-22	-34	-42	-45	-8	-3	-3	-5	-7	-7	2	12	11	8	4	
	BOT.	0	-20	-53	-77	-92	-96	0	-4	-11	-15	-18	-19	٥	0	0	0	0	0
		CORNER	M 0.1c	. Coe	fficien	0.4c	0.5c	CORNER	0.1c	, Coe	fficie	0.4c	0.5c	CORNER	M 0.1c	yz Co e	officie 0.3c	nt 0.4c	0.5c
			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c	
	TOP	0	0	0	0	0	0	0	0	O	0	0	0	5	11	15	12	7	0
	0.9a	-6	0	6	9	12	12	-30	-9	1	7	10	10	4	10	13 ;	11	6	0
	0.8a	-10	-2	6	13	17	18	-51	-17	1	12	17	18	3	7	10	9	5	0
	0.7a	-13	-3	6	14	18	20	-64	-23	1	14	21	24	2	4	6	5	3	0
Short Side	0.6a	-14	-4	6	13	19	20	-69	-26	0	16	24	26	0	1	2	2	1 ;	0.
	0.5a	-14	-4	5	13	18	20	-68	-26	0	15	23	26	1	1	2	2	1	0
	0.4a	-12	-3	5	12	16	17	-59	-22	_ 1	14	20	22	2	4	6	5	3	0
	0.3a	-9	-2	4	9	12	12	-45	-16	1	10	15	17	3	6	9	8	4	0
	0.2a	-5	-1	1	2	2	2	-27	-10	0	6	8	9	3	8	10	9	. 5	0
	0.1a	-2	-3	-7	-12	-1 <u>6</u>	-17	-8	-4	-1	-1	-1	<u>-1</u>	2	7	9	7	4	0
	BOT.	0	-6	-22	-38	-48	-52	0	-1	-4	-8	-10	-10	0	0	0	0	0	0
$\frac{b}{a} = 1.5, \frac{c}{a} =$	0.5		M	, Coe	fficier	nt			M	, Coe	fficle	nt			M,	_{xy} Cos	efficie	nt	
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	0	0	0	0	0	0	0	0	0	0	0		24	22	15	7	0
	0.00		7	15	20	22	24	22	- 0	-7	10	- 11	11	10	22	20	1.5	7	

ī	ond	Side	

		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.26	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
┌┰	OP	0	0	0	0	0	0	0	0	0	0	0	0	13	24	22	15	7	0
To	.9a	-4	7	15	20	23	24	-22	0	7	10	11	11	12	22	20	14	7	0
To	.8a	-7	10	23	33	39	40	-36	-1	12	17	19	19	10	17	16	11	5	0
To	.7a	-9	11	27	40	47	49	-44	-3	15	22	24	24	6	10	9	7	3	0
0	.6a	-9	11	28	41	49	51	-47	-3	16	24	26	26	1	2	2	2	_ 1	0:
0	.5a	-9	10	26	38	45	47	-46	-4	16	23	25	_25	3	5	5	3	2	0
0	.4a	-8	8	21	30	35	36	-41	-3	13	19	20	21	7	11,	11	8	4	Ō
0	.За	-6	4	11	16	18	18	-32	-2	9	13	13	13	9	16	15	10	5	0
o	.2a	-4	-2	-4	-6	-8	-9	-20	-2	4	4	4	3	9	17	15	11	5	0
0	.1a	-1	-12	-26	-38	-46	-48	-7	3	-4	-6	-7	-8	7	13	11	7	4	0
Гв	OT.	0	-28	-61	-84	-97	-101	0	-6	-12	-17	-19	-20	0	0	0	0	0	0.

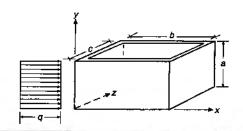
M ₂	Coef	tic	ent
----------------	------	-----	-----

My Coefficient

Myz Coefficient

								• 0.225 0.25 0.25 0.25 0.25 0.25 0.25 0.2												
		CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	CORNER	0.1c	0.2c	0.3c	0.4c	0.5c	
			0.9c	0.8c	0.7c	0.60	,		0.9c	0.8c	0.7c	0.6c			0.9c	0.8c	0.7c	0.6c		
	TOP	Ö	0	Ö	0	0	0	0	0	0	0	Ō	0	13	6	2	0	0	0	
	0.9a	-4	-3	-1	0	1	1	-22	-12	-6	-2	0	0	12	6	3	1	0	0	
	0.8a	-7	-6	-4	-3	-2	-2	-36	-22	-12	-6	-2	-1	10	6	3	1	0	0	
	0.7a	-9	-8	-6	-5	-5	-4	-44	-28	-17	-9	-4	-2	6	4	2	1	0	-0	
Short Side	0.6a	-9	-8	-7	-6	-6	-6	-47	-31	-19	-10	-5	-3	1	1	1	0	0	0	
	0.5a	-9	-8	-7	-6	-5	-5	-46	-30	-18	-10	-5	-3	3	2	1	1	0	0	
	0.4a	-8	-7	-5	-4	-3	-3	-41	-26	-15	-8	-3	-2	7	4	3	1	1	0	
	0.3a	-6	-4	-3	-1	0	0	-32	-20	-11	-4	-1	Ö	9	5	3	1	1	0	
	0.2a	-4	-13	_ 1	2	3	3	-20	-12	-5	-1	1	2	9	5	2	1	0	0	
	0.1a	-1	1	3	4	5	5	-7	-4	-1	1	2	2	7	3	1	0	0	0	
	BOT.	0	3	3	1	0	0	0	1	1	0	0	0	0	0	0	0	0	0	

Moment = Coef. $\times qa^2/1000$



$\frac{b}{a}$ = 1.0, $\frac{c}{a}$	= 0.5		N	I _x Coe	fficie	nt			М	l, Coe	fficie	nt	M _{xy} Coefficient						
		CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b	CORNER	0.1b	0.2b	0.3b	0.4b	0.5b
			0.9b	0.8b	0.7b	0.6b		11 20	0.9b	0.8b	0.7b	0.6b			0.9b	0.8b	0.7b	0.6b	
	TOP	0	Ó	0	0	0	0	0	0	0	0	0	0	10	18	17	13	7	0
	0.9a	-4	3	8	12	14	15	-19	-3	5	9	_ 11	11	9	16	16	12	6	0
	0.8a	-6	3	12	18	22	23	-31	-6	8	15	19	20	7	12	12	9	5	0
	0.7a	-8	3	13	21	25	27	-38	-8	9	19	24	26	4	7	7	6	3	0
Long Side	0.6a	-8	3	13	21	26	28	-40	-9	10	21	26	28	1	2	2	2	1	0
	0.5a	-8	3	13	20	25	26	-40	-9	10	20	26	28	2	3	3:	2	1	0
	0.4a	-7	2	11	17	21	22	~36	-8	9	18	23	24	5	7	8	6	3	0
	0.3a	-6	1	7	11	14	14	-29	-6	6	13	16	17	7	- 11	11	9	5	0
	0.2a	-4	-1	0	0	0	0	-19	-4	3	7	8	8	7	12	12	9	5	0
	0.1a	-1	-6	-12	-19	-23	-24	-7	-3	-1	-1	-2	-2	5	10	10	7	4	0
	BOT.	0	-15	-35	-51	-61	-64	0	-3	-7	-10	-12	-13	0	0	0	0	0	0

M_z Coefficient My Coefficient Myz Coefficient CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5C CORNER 0.1C 0.2C 0.3C 0.4C 0.5C 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.7c 0.6c 0.9c 0.8c 0.6c 0.7¢ TOP 0 0 10 2 0.9a -4 0 2 -19 -10 -2 0 -31 -9 -3 0.**8**a -6 -4 -3 -1 -18 0 0000 7 4 2 0 0.7a -8 -6 -4 -3 -3 -38 -23 -12 -5 -1 3 1 0 0.6a -8 -5 -40 -25 -14 -6 -1 0 0 0 -6 ō 0.5a -8 -6 -5 -3 -40 -25 -14 -1 2 0 0.4a -7 -6 -4 -2 -36 -22 -12 -4 0 5 3 0 0 2 1 0 0 0.3a Ġ -2 0 -29 -17 -8 -2 7 4 0.2a 0 -4 -1 2 3 -19 2 1 -10 -4 7 3 0 0 7 0.1a -1 1 2 3 4 -7 -1 ž 0 Q -3 1 5 1 1 0 BOT. o 0 0

Short Side

Multicell Tanks

For functional purposes, rectangular tanks very often have interior walls that divide the tank cells. These multicell tanks do not readily lend themselves to an accurate mathematical analysis. The first edition of this publication, completed in the 1940s, presented an approximate method for analysis of multicell tanks which was considered as a guide to engineering judgment. This same method is presented in this chapter.

Because a rotation of one corner has comparatively little effect on moments at adjacent corners in a tank with wall panels supported on three or four sides, moments in the walls of a multicell tank are essentially the same as in single-cell tanks—except at corners where more than two walls intersect. Moment coefficients presented in Chapter 3, designated as L coefficients, apply to outer or L-shaped corners of multicell tanks (see Fig. 4-1(a)) as well as to interior sections in all walls. Moment coefficients for sections at corners where more than two panels intersect depend on the loading condition producing maximum moment and on the number of intersecting walls.

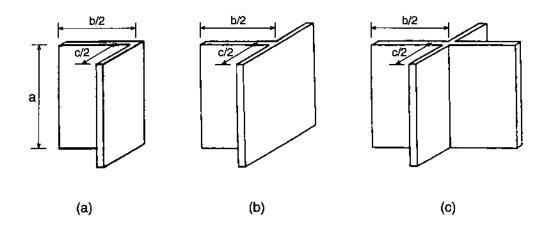


Figure 4-1 Wall Intersections in Multicell Tanks

Analysis of T-shaped Walls

In Fig. 4-1(b), three walls form a T-shaped unit. If the continuous wall, or top of the T, is part of the long sides of two adjacent rectangular cells, the moment in the continuous wall at the intersection is maximum when both cells are filled. The intersection is then fixed and moment coefficients, designated as F coefficients, can be taken from Chapter 2, depending on edge conditions at top and bottom. If the continuous wall is part of the short sides of two adjacent rectangular cells, moment at one side of the intersection is maximum, when the cell on that side is filled while the other cell is empty. Likewise, the end moment in the center wall is maximum when only one cell is filled. For this loading condition the magnitude of moment will be somewhere between the L coefficients and the F coefficients. If the unloaded third wall is assumed to have infinite stiffness, the corner is fixed and the F coefficients apply. The intermediate value representing more nearly the true condition can be obtained by the formula:

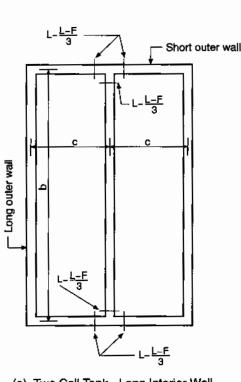
End moments =
$$L - \frac{n}{n+2}(L-F)$$

in which n denotes number of adjacent unloaded walls. This formula checks for n equal to zero and infinity. In an L-shaped unit n equals 0 and the end moments equal L - O(L - F) = L. Inserting n equal to infinity will give n/(n+2) = 1 and the end moments equal L - 1(L - F) = F, which also checks.

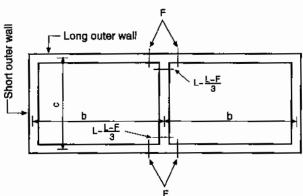
Analysis of Cross-shaped Walls

In Figure 4-1(c), two continuous walls form a cross. If intersecting walls are the walls of square cells, moments at the intersection are maximum when any two cells are full, and the F coefficients from Chapter 2 apply because there is no rotation of the joint. If the cells are rectangular, moments in the longer of the intersecting walls will be maximum when two cells on the same side of the wall under consideration are filled, and again the F coefficients apply. Maximum moments in the shorter wall adjacent to the intersection occur when diagonally opposite cells are filled, and for this condition the L coefficients apply.

Figure 4-2 shows moment coefficients at wall intersections in two- and four-cell tanks. Where coefficients are not shown, L coefficients of Chapter 3 apply.



(a) Two Cell Tank - Long Interior Wall



(b) Two Cell Tank - Short Interior Wall

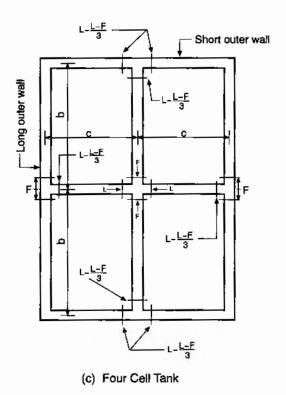
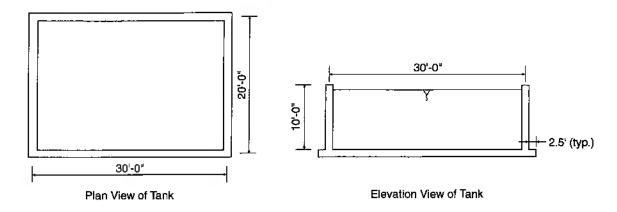


Figure 4-2 Summary of Moment Coefficients for Multicell Tanks

5 Examples

Example 1 — Rectangular Tank Design



Design Information:

Weight of water = 70 lb/ft^3

Weight of moist soil = 100 lb/ft^{3*}

Active pressure coefficient of soil $k_a = 0.3$

 $f_c' = 4000 \text{ psi}$

 $f_{\rm v} = 60,000 \, \rm psi$

Height of soil against wall = 5 ft (Note that the full tank height of 10 ft is conservatively used)

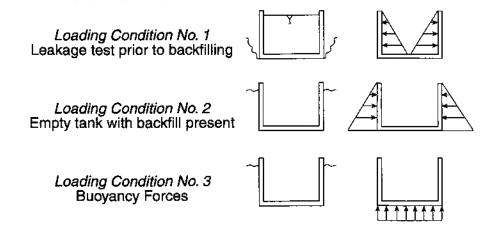
Slab has 2.5 ft projection beyond wall

Tank will be considered fixed at the base and free at the top for this example

Wall thickness = 18 in.

*External soil pressures can vary significantly depending on the type of soil and the presence of water. If the designer is unsure of the appropriate value to use, a geotechnical engineer should be consulted.

I. Determine Loading Conditions



II. Design of Walls for Loading Condition No. 1

This loading condition represents the situation where the tank is full and the external resistance of the soil is ignored. As discussed in Chapter 1, according to ACI-350, resistance provided by the soil is not to be taken into account. This loading condition also occurs when the tank is leak-tested prior to backfilling.

Water pressure $q = k_a wa = 1 \times 70 \times 10 = 700 \text{ lb/ft}^2$ (triangular distribution)

Ratio of length/height = b/a = 30/10 = 3.0 for long side Ratio of width/height = c/a = 20/10 = 2.0 for short side

(a) Design for shear forces

Shear forces must be considered at various locations along the edges of the tank walls. The following are the shear coefficients (C_s) for Case 3 for b/a = 3 and c/a = 2 (page 2-17):

For b/a = 3 (long wall),

Bottom edge - midpoint = 0.50 Side edge - maximum = 0.37 Side edge - midpoint = 0.24

For b/a = 2 (short wall),

Bottom edge - midpoint = 0.45 Side edge - maximum = 0.27 Side edge - midpoint = 0.26

(1) Check shear at bottom of the wall

Based on the above, the long wall should be designed for a maximum shear coefficient (C_s) of 0.50 while the short wall should be designed for a maximum shear coefficient (C_s) of 0.45. Since the same thickness will be used for the long and short walls, the shear force will be determined based on the maximum shear coefficient of 0.50 as follows:

$$V = C_s \times q \times a$$

= 0.50 \times 700 \times 10
= 3500 lbs

Shear could be checked at distance d rather than at the base, but shear is not critical for this calculation. (Note that sanitary coefficient of 1.3 does not apply, see Chapter 1).

$$V_u = 1.7 \times V$$

= 1.7 × 3500 = 5950 lbs

Since the tensile force from the adjacent wall is small the allowable shear is given by:

$$V_c = 2\sqrt{f_c'}bd$$
where d = thickness - cover - $d_b/2$
= 18 - 2 - 5/16 = 15.7 in.

$$V_c = 2\sqrt{4000} \times 12 \times 15.7 = 23,831 \text{ lbs}$$

 $\phi V_c = 0.85 \times 23,831 = 20,256 \text{ lbs} > 5950 \text{ lbs}$ O.K.

(2) Check shear at side edge of long wall

$$V = C_s \times q \times a$$

= 0.37 × 700 × 10 = 2590 lbs
 $V_u = 1.7 \times V$
= 1.7 × 2590 = 4403 lbs

Since the long wall is subject to a simultaneous tensile force due to shear in the short side wall, the allowable shear is given by 11.3.2.3 of ACI 318-95:

$$V_c = 2(1 + N_u/500 A_g) \sqrt{f_c'} bd$$
 Eq. (11-8)

where N_u = tension in long wall due to shear in the short wall.

Shear in short side wall:

$$V = C_s \times q \times a$$

$$= 0.27 \times 700 \times 10 = 1890 \text{ lbs}$$

$$N_u = -1.7 \times 1890 = -3213 \text{ lbs}$$

$$A_g = 18 \times 12 = 216 \text{ in.}^2$$

$$V_c = 2\left(1 + \frac{-3213}{500 \times 216}\right) \sqrt{f_c''} bd$$

$$= 1.94 \sqrt{4000} \times 12 \times 15.7 = 23,116 \text{ lbs}$$

$$\phi V_c = 0.85 \times 23,116 = 19,649 \text{ lbs} > 4403 \text{ lbs}$$
O.K.

(b) Design for vertical bending moments (determine vertical steel).

The vertical bending moment is determined as follows:

$$M_x = M_x$$
 Coef. $\times qa^2/1000$
= M_x Coef. $\times 700 \times (10)^2/1000$
= M_x Coef. $\times 70$ ft-lbs
= M_x Coef. $\times 0.84$ in.-kips

For sanitary structures:

$$M_u$$
 = sanitary coefficient × 1.7 × M
 M_{ux} = 1.3 × 1.7 × 0.84 × M_x Coef.
= 1.86 × M_x Coef.

The values for the ultimate moments are shown in Table 5-1. The coefficients are taken from Case 3 of "Tank Analysis Results" on page 3-29.

Table 5-1 Design for Vertical Bending Moments Mux (in.-kips)

	0.1b &	0.9b	0.3b 8	& 0.7b	0.5b			
	Coef.	Mux	Coef.	Mux	Coef.	Mux		
Тор	0	0	0	0	0	0		
0.9 <i>a</i>	-2	-3.7	4	7.4	5	9.3		
0.8 <i>a</i>	-3	-5.6	7	13.0	8	14.9		
0.7 <i>a</i>	-1	-1.9	9	16.7	10	18.6*		
0.6a	0	0	9	16.7	9	16.7		
0.5 <i>a</i>	1	1.9	6	11.2	4	7.4		
0.4a	1	1.9	-2	-3.7	-7	-13.0		
0.3 <i>a</i>	-2	-3.7	-16	-29.8	-24	-44.6		
0.2a	-8	-14.9	-37	-68.8	-49	-91.1		
0.1 <i>a</i>	-19	-35.3	-67	-124.6	-84	-156.2		
Bottom	-38	-70.7	-109	-202.7	-129	-239.9*		

*Moments controlling design

The required reinforcing for the interior face of the wall with $M_{\mu x} = -239.9$ in.-kips is determined as follows:

Assuming No. 5 bars with 2 in. cover:

$$d = \text{thickness - cover - } d_b/2$$

$$= 18 - 2 - 5/16$$

$$= 15.7 \text{ in.}$$

$$\frac{M_u}{\phi f_c' b d^2} = \frac{239.9}{0.9 \times 4 \times 12 \times 15.7^2} = 0.0225$$

From Appendix A:

$$\omega = 0.023$$
 $A_s = \omega bd \ f'_c/f_y$
 $= 0.023 \times 12 \times 15.7 \times \frac{4}{60} = 0.29 \text{ in.}^2$

Check minimum steel (10.5 of ACI 318-95):

$$A_{s,min} = \frac{3\sqrt{f_c'}}{f_y} b_w d = \frac{3\sqrt{4000}}{60,000} \times 12 \times 15.7 = 0.595 \text{ in.}^2$$
$$= \frac{200b_w d}{f_y} = \frac{200 \times 12 \times 15.7}{60,000} = 0.628 \text{ in.}^2 \text{ (governs)}$$

Use 4/3 of A_s required by analysis = 4/3 × 0.29 = 0.39 in.² (10.5.3 of ACI 318-95) Provide No. 5 @ 9 in. on inside face ($A_s = 0.41$ in.²)

The maximum positive bending moment in the vertical direction that causes tension on the outside face (18.6 in.-kips) is small and the amount of reinforcement required will be controlled by a different load case.

(c) Design for horizontal bending moment (determine horizontal steel).

$$M_y = M_y \text{ Coef.} \times qa^2/1000$$

= $M_y \text{ Coef.} \times 0.84 \text{ in.-kips}$

For sanitary structures:

$$M_u$$
 = sanitary coefficient × 1.7 × M
 M_{uy} = 1.3 × 1.7 × 0.84 × M_y Coef.
= 1.86 × M_y Coef.

The values for the design moments are shown in Table 5-2.

Table 5-2 Design for Horizontal Bending Moments Muy (in.-kips)

		Corner	0.1b	0.2b	0.3b	0.4b	
			0.9b	0.8b	0.7b	0.6b	0.5b
0.9a	Coef.	-78.0	-18.0	9.0	19.0	21.0	22.0
	M _{uv}	-145.1*	-33.5	16.7	35.3	39.1	40.9*
0.5a	Coef.	-52.0	-6.0	8.0	10.0	10.0	10.0
	M _{UV}	-96.7	-11.2	14.9	18.6	18.6	18.6
Bottom	Coef.	0	-8.0	-16.0	-22.0	-25.0	-26.0
	Muv	0	-14.9	-29.8	-40.9	-46.5	-48.4

*Moments controlling design

The maximum design bending moment is -145.1 in.-kips. The required reinforcement is determined in the following manner:

$$\frac{M_u}{df/dd^2} = \frac{145.1}{0.9 \times 4 \times 12 \times 15.7^2} = 0.0136$$

From Appendix A:

$$\omega = 0.014$$
 $A_s = \omega bd \ f'_c/f_y$

$$= 0.014 \times 12 \times 15.7 \times \frac{4}{60} = 0.18 \text{ in.}^2$$

Steel required for direct tension in long wall:

Factored tension $N_u = 1.65 \times 3213 = 5301$ lbs per ft width

Steel required
$$A_s = \frac{N_u}{0.9 f_v} = \frac{5301}{0.9 \times 60,000} = 0.1 \text{ in.}^2$$

This direct tension reinforcement is equally distributed on inside and outside faces of the wall.

Total steel required on inside face = $0.18 + \frac{0.1}{2} = 0.23$ in. ²

$$A_{s,min} = \frac{200b_w d}{f_v} = 0.625 \text{ in.}^2 \text{ (governs)}$$

4/3 of A_s required by analysis = 4/3 \times 0.23 = 0.31 in.² Provide No. 5 @ 12 in. (A_s = 0.31 in.²) horizontal steel on inside face of the long walls.

The positive moment of 40.9 in.-kips will produce tension near the center of outside face of the wall. The moment is however, very small and other load conditions may govern.

The horizontal and vertical steel for the short walls can be determined in a similar manner.

(d) Check maximum spacing of bars for crack control

The maximum bar spacing must be limited to control flexural cracking (see 10.6 of ACI 318-95). The maximum unfactored bending moment is:

$$M = 239.9/(1.7 \times 1.3) = 108.6$$
 in.-kips

The stress in the reinforcement is calculated using the working stress method as follows:

$$f_s = \frac{M}{A_s j d}$$

where:

$$A_s = 0.41 \text{ in.}^2/\text{ft}$$

 $d = 15.7 \text{ in.}$
 $n = 29,000/57\sqrt{4000} = 8$
 $\rho = 0.41/(12 \times 15.7) = 0.00218$
 $k = \sqrt{2\rho n + (\rho n)^2} - \rho n$
 $= 0.17$
 $i = 1 - k/3 = 0.94$

Therefore:

$$f_s = \frac{108.6}{0.41 \times 0.94 \times 15.7} = 17.95 \text{ ksi}$$

The maximum spacing to control cracking is:

$$s_{max} = z^3 / (2 \times d_c^2 \times f_s^3)$$

where:

$$d_c$$
 = cover + bar radius
= 2 + 0.313 = 2.313 in.
z = 115 kips/in.
 f_s = 17.95 ksi
 $s_{max} = \frac{115^3}{2 \times 2.313^2 \times 17.95^3} = 24.6 \text{ in.} > 9 \text{ in.}$ O.K.

(e) Shrinkage and temperature reinforcement

Assuming that the walls will be in one pour of 30 ft long, the minimum temperature and shrinkage reinforcement $\frac{A_{gf}}{hh} = 0.0033$ (see Fig. 1-2):

Reinforcment at each face:

$$A_{st} = 1/2 \times 0.0033 \times 12 \times 18$$

= 0.356 in.² (No. 5 @ 10") < 0.41 in.² (No. 5 @ 9 in.) provided O.K.

(f) Determine splice length

The basic development length, ℓ_d , for a No. 5 bar is calculated using 12.2 of ACI 318-95.

$$\frac{\ell_d}{d_b} = \frac{3}{40} \frac{f_y}{\sqrt{f_c'}} \frac{\alpha \beta \gamma \lambda}{\left[\frac{c + K_{tr}}{d_b}\right]}$$

where

 $\alpha = 1.0$ (no top bar effect)

 $\beta = 1.0$ (uncoated reinforcement)

 $\gamma = 0.8$ (No. 6 bars and smaller)

 $\lambda = 1.0$ (normal weight concrete)

c = 2.31 in.

 $K_{tr} = 0$ (assumed)

$$\frac{c + K_{tr}}{d_b} = \frac{2.31}{0.31} = 7.45 \text{ use } 2.5$$

$$\frac{\ell_d}{d_h} = \frac{3}{40} \frac{60,000}{\sqrt{4000}} \quad \frac{1 \times 1 \times 0.8 \times 1}{2.5} = 22.8$$

$$\ell_d = 22.8 \times 0.625 = 14.2$$
 in.

Length of Class B splice = $1.3 \times 14.2 = 18.5$ in. (say 20 in.)

II. Design of Walls for Loading Condition No. 2

This loading condition represents the situation where the tank is empty and the external pressure of the soil is present. During construction, backfilling and compaction may exert forces on the structure in considerable excess of the service loading. The designer should consider any unusual loading conditions that may result during construction. The height of the soil will conservatively be considered at the top of the tank.

Soil pressure $q = k_a wa = 0.3 \times 100 \times 10 = 300 \text{ lb/ft}^2$ (triangular distribution)

Ratio of length/height = b/a = 30/10 = 3.0 for long side Ratio of width/height = c/a = 20/10 = 2.0 for short side

(a) Design for shear forces

Same shear coefficients (Case 3, page 2-17) as shown earlier for loading condition No. 1 apply here.

(1) Check shear at bottom of tank

Note only shear in the long wall needs to be checked since shear is maximum in this wall.

$$V = C_s \times q \times a$$

= 0.50 × 300 × 10 = 1500 lbs
 $V_u = 1.7 \times V$
= 1.7 × 1500 = 2550 lbs

Shear capacity of 18 in. thick wall is the same as computed earlier:

$$\phi V_c = \phi 2 \sqrt{f_c'} b d = 20,256 \text{ lbs} > 2550 \text{ lbs}$$
 O.K.

(2) Check shear at side edge of tank

$$V = C_s \times q \times a$$

= 0.37 × 300 × 10 = 1110 lbs
 $V_u = 1.7 \times V$
= 1.7 × 1110 = 1887 lbs

Since the long wall is subject to a simultaneous tensile force due to shear in the short wall, the allowable shear is given by 11.3.2.3 of ACI 318-95:

$$V_c = 2(1 + N_u/500 A_g) \sqrt{f_c'} bd$$

 N_u = tension in long wall due to shear in short wall

Shear in short wall:

$$V = C_s \times q \times a$$

$$= 0.27 \times 300 \times 10 = 810 \text{ lbs}$$

$$N_u = -1.7 \times 810 = -1377 \text{ lbs}$$

$$A_s = 18 \times 12 = 216 \text{ in.}^2$$

$$V_c = 2\left(1 + \frac{-1377}{500 \times 216}\right) \sqrt{f_c'} bd$$

$$= 1.97 \sqrt{4000} \times 12 \times 15.7 = 23,473 \text{ lbs}$$

$$\phi V_c = 0.85 \times 23,473 = 19,952 \text{ lbs} > 1887 \text{ lbs} \quad \text{O.K.}$$

(b) Design for vertical and horizontal bending moments

The vertical bending moment is determined as follows:

$$M_x = M_x \operatorname{Coef.} \times qa^2/1000$$

$$= M_x \operatorname{Coef.} \times -300 \times (10)^2/1000$$

$$= M_x \operatorname{Coef.} \times -30 \text{ ft-lbs}$$

$$= M_x \operatorname{Coef.} \times -0.36 \text{ in.-kips}$$

For sanitary structures:

```
M_{ux} = sanitary coefficient × 1.7 × M

M_{ux} = 1.3 × 1.7 × -0.36 × M_x Coef.

= -0.80 × M_x Coef.
```

 M_{uy} can be determined in a similar manner. The same coefficients as shown earlier under loading condition 1 (Case 3 of "Tank Analysis Results" on page 3-29) apply. Comparison of the bending moments M_{ux} and M_{uy} with those of loading condition No. 1 indicate that moments in loading condition No. 2 are smaller (0.80 × Coef. compared to 1.86 × Coef.) and that minimum shrinkage and temperature reinforcement criteria will govern. Provide No. 5 @ 10 in. vertical steel and No. 5 @ 12 in. horizontal steel on outside faces of long walls. Note that ACI 350 limits the maximum spacing of bars to 12 in.

(c) Check maximum spacing of bars for crack control

Since the moments in this loading condition are smaller than those of loading condition No. 1, smaller service load stresses would result. This will further relax the spacing requirement for crack control and the spacing provided above should be adequate.

Summary of reinforcement for long walls (see Fig. 5-1):

Inside face - vertical	No. 5 @ 9 in.	
Outside face - vertical	No. 5 @ 10 in.	use No. 5 @ 9 in. for consistency
Inside face - horizontal	No. 5 @ 12 in.	
Outside face - horizontal	No. 5 @ 12 in.	

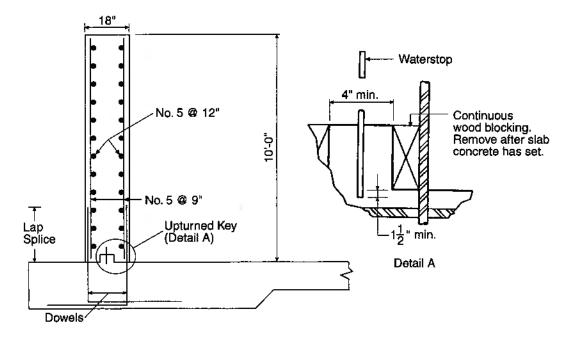


Figure 5-1 Reinforcement Details for Long Walls

III. Design for Uplift under Loading Condition No. 3

Depending on the height of the water table, forces may develop underneath the tank that may be large enough to lift the structure when it is empty. The weight of the slab and walls, as well as the weight of the soil resting on the footing projection, must be capable of resisting the upward force of the water.

Conservatively use soil weight of 70 pcf and concrete weight of 145 pcf. The thicknesses of the top and bottom slabs are assumed to be 12 in. and 24 in., respectively.

Determine weight of tank:

Walls = height × length × thickness × 145 lbs/ft³
=
$$10 \times (31.5 + 31.5 + 18.5 + 18.5) \times 1.5 \times 145$$

= 217,500 lbs

Bottom slab = length
$$\times$$
 width \times thickness \times 145 lbs/ft³
= $(31.5 + 5) \times (21.5 + 5) \times 2.0 \times 145 = 280,503$ lbs

Top slab =
$$31.5 \times 21.5 \times 1 \times 145 = 98,201$$
 lbs

Weight of
$$tank = 217,500 + 280,503 + 98,201 = 596,204$$
 lbs

Determine weight of soil (ignore weight of soil wedge):

Soil on footing overhang = soil area
$$\times$$
 height of soil \times 70 pcf = $[(36.5 \times 26.5) - (31.5 \times 21.5)] \times 5.0 \times 70$ = 101,500 lbs

Total resisting load = 596,204 + 101,500 = 697,704 lbs

Buoyancy force:

Area of bottom slab = length × width
=
$$(31.5 + 5) \times (21.5 + 5) = 967.25 \text{ ft}^2$$

Water pressure = water head
$$\times$$
 70
= (soil height + slab thickness) \times 70
= (5 + 2) \times 70 = 490 lbs/ft²

Buoyant force = area
$$\times$$
 pressure
= 967.25 \times 490
= 473,953 lbs

Safety factor =
$$\frac{\text{total resisting load}}{\text{buoyant force}}$$

= $\frac{697.70}{473.95} \approx 1.5$ O.K.

IV. Design of Roof Slab

It is assumed that the tank will have a simply supported roof slab. The thickness of slab is assumed to be 12 in. based on limiting deflection criteria (see Table 9-5(c) of ACI 318-95). The slab will be designed for a live load of 100 psf.

The slab is designed using plate analysis results of Case 10 given in Chapter 2. The design coefficients are based on b/a = 30/20 = 1.5.

(a) Design for bending moment

The moment coefficients M_x , M_y and M_{xy} for b/a = 1.5 are given on page 2-62. Note that significant twisting is likely at the corners of this slab. As such, twisting moment coefficient M_{xy} need to be included for determining the required reinforcement. The total design moment coefficients M_{tx} and M_{ty} are shown in Tables 5-3 to 5-6. These moment coefficients are derived using the procedure outlined in Chapter 1 (see pages 1-3 and 1-4), in the following manner:

• Where positive moments produce tension (bottom of slab):

$$M_{tx} = M_x + |M_{xy}| > 0$$
 (see Table 5-3)

$$M_{ty} = M_y + |M_{xy}| > 0$$
 (see Table 5-4)

Note that M_{xy} coefficients given in Chapter 2 are in absolute values.

• Where negative moments produce tension (near corners):

$$M_{tx} = M_x - |M_{xy}| < 0 \text{ (see Table 5-5)}$$

$$M_{ty} = M_y - |M_{xy}| < 0$$
 (see Table 5-6)

Table 5-3 Coef. M_{tx} = Coef. M_x + Coef. M_{xy} for positive moments along short span

M _{tx}	End	0.1b	0.2b	0.3b	0.4b	0.5b
<u> </u>		0.9b	0.8b	0.7b	0.6b	
Top	49	43	33	22	11	0
0.9a	45	54	52	48	40	31
0.8a	37	54	61	63	60	53
0.7a	26	49	63	70	71	67
0.6a	14	40	59	71	76	76
0.5a	0	28	50	66	75	78
0.4a	14	40	59	71	76	76
0.3a	26	49	63	70	71	67
0.2a	37	54	61	63	60	53
0.1a	45	54	52	48	40	31
Bottom	49	43	33	22	11	0

*Moment coefficients governing design.

Table 5-4 Coef. M_{ty} = Coef. M_y + Coef. $\left| M_{xy} \right|$ for positive moments along long span

Mty	End	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
Тор	49	43	33	22	11	0
0.9a	45	51*	44	35	24	14
0.8a	37	51*	49	44	35	26
0.7a	26	45	50	47	41	35
0.6a	14	37	45	46	43	41
0.5a	0	25	37	41	42	43
0.4a	14	37	45	46	43	41
0.3a	26	45	50	47	41	35
0.2a	37	51*	49	44	35	26
0.1a	45	51*	44	35	24	14
Bottom	49	43	33	22	11	0

*Moment coefficients governing design.

Table 5-5 Coef. M_{tx} = Coef. M_x - Coef. $\left| M_{xy} \right|$ for negative moments along short span (If $M_{tx} > 0$, $M_{tx} = 0$)

M _{tx}	End	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
Тор	-49*	-43	-33	-22	-11	0
0.9a .	-45	-28	-10	0	0	0
0.8a	-37	-14	0	0	0	0
0.7a	-26	0	0	0	0	0
0.6a	-14	0	0	0	0	0
0.5a	0	0	0	0	0	0
0.4a	-14	0	0	0	0	0
0.3a	-26	0	0	0	0	0
0.2a	-37	-14	0	0	0	0
0.1a	-45	-28	-10	0	0	0
Bottom	-49*	-43	-33	-22	-11	0

*Moment coefficients governing design

Table 5-6 Coef. M_{ty} = Coef. M_y - Coef. $\left| M_{xy} \right|$ for negative moments along long span (if $M_{ty} > 0$, $M_{ty} = 0$)

M _{tv}	End	0.1b	0.2b	0.3b	0.4b	0.5b
		0.9b	0.8b	0.7b	0.6b	
Тор	-49*	-43	-33	-22	-11	0
0.9a	-45	-31	-18	-7	0	0
0.8a	-37	-17	-3	0	0	0
0.7a	-26	-3	0	0	0	0
0.6a	-14	0	0	0	0	0
0.5a	0	0	0	0	0	0
0.4a	-14	. 0	0	0	0	0
0.3a	-26	-3	0	0	0	0
0.2a	-37	-17	-3	0	0	0
0.1a	-45	-31	-18	-7	0	0
Bottom	-49*	-43	-33	-22	-11	0

*Moment coefficients governing design.

(i) Steel in short direction (along a)

Positive moment at center:

$$M_{tx} = \frac{M_{tx} \operatorname{Coef.} \times q_{u} \times a^{2}}{1000}$$

Maximum design M_{tx} Coef. = 78 (see Table 5-3)

$$q_u = 1.3 (1.4D + 1.7L)$$

= 1.3 (1.4×150 + 1.7×100) = 494 psf

$$M_{tx} = \frac{78 \times 494 \times 20^2}{1000 \times 1000} = 15.4 \text{ ft-kips}$$

For No. 5 bars, assuming 2 in. cover

$$d = 12 - 2 - \frac{0.625}{2} = 9.70$$
 in.

$$\frac{M_u}{\phi f_c' b d^2} = \frac{15.4 \times 12}{0.9 \times 4 \times 12 \times 9.7^2} = 0.045$$

From Appendix A:

$$\omega = 0.046$$

$$\rho = \frac{\omega f_c'}{f_v} = \frac{0.046 \times 4}{60} = 0.0031$$

(ii) Steel in long direction (along b)

$$d = 12 - 2 - 0.625 - \frac{0.625}{2} = 9.06$$
 in.

Positive moment (see Table 5-4):

$$M_{ty} = \frac{51 \times 494 \times 20^2}{1000 \times 1000} = 10.0 \text{ ft-kips}$$

$$\rho = 0.0023$$

(iii) Moment near corners (along a and b)

Maximum M_{tx} and M_{ty} Coef. = 49 (see Tables 5-5 and 5-6)

$$M_{tx}$$
, $M_{ty} = \frac{49 \times 494 \times 20^2}{1000 \times 1000} = 9.7$ ft-kips

$$\rho = 0.0022$$

(iv) Check minimum steel (10.5 of ACI 318-95)

$$\rho_{min} = \frac{3\sqrt{f_c'}}{f_y} = \frac{3\sqrt{4000}}{60,000} = 0.00316$$

$$= \frac{200}{f_y} = \frac{200}{60,000} = 0.00333 \quad \text{(governs)}$$

$$A_{s,min} = 0.0033 \times 12 \times 9.7 = 0.38 \text{ in.}^2$$

(v) Shrinkage and temperature reinforcement

For 30 ft span, the minimum shrinkage and temperature reinforcement per ACI 350:

$$\frac{A_{st}}{bh}$$
 = 0.0033 (see Fig. 1-2)

Reinforcement at each face of slab:

$$A_{st} = \frac{1}{2} \times 0.0033 \times 12 \times 12 = 0.24 \text{ in.}^2$$

Minimum steel per 13.3 and 7.12 of ACI 318-95:

$$A_{s,min} = 0.0018bh = 0.0018 \times 12 \times 12 = 0.259 \text{ in.}^2 \text{ (governs)}$$

Check maximum spacing (13.3.2 of ACI 318-95):

$$2h = 2 \times 12 = 24$$
 in.

Check maximum spacing (7.12.2.2 of ACI 318-95):

5 times thickness of slab = 60 in.

18 in. (governs)

Provide No. 5 @ 12 in. in both directions at the top of the slab. Note that ACI 350 limits the spacing of shrinkage and temperature reinforcement to 12 in.

The summary of reinforcement is given in Table 5-7.

Table 5-7 Summary of Reinforcement

Span	Location	Prequired	Pmin	(4/3)ρ _{req'd}	A _{s (in.2)}	Spacing of No. 5 bars
1	Positive moment (bottom of slab)		0.0033 0.0033	0.0033* 0.0029	0.38 0.34	9
Long	Moment near corner Positive moment (bottom of slab)		0.0033	0.0029	0.33	10 10
span	Moment near corner	0.0023	0.0033	0.0029	0.34	10

^{*(4/3)} $\rho_{red'd}$ exceeds $\rho_{min} = 0.0033$

The reinforcement details for the slab are shown in Fig. 5-2. The reinforcement at the corners is placed over a distance of $\frac{\ell}{5} = \frac{30}{5} = 6$ ft in both the long and short directions (see 13.3.6.3 of ACI 318-95).

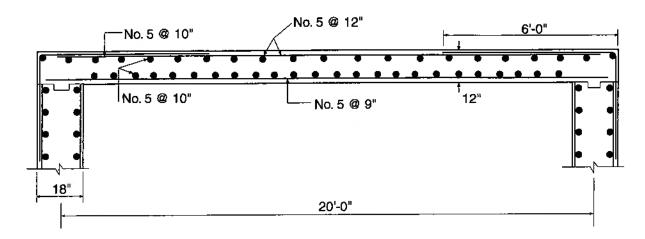


Figure 5-2 Reinforcement Details for Slab

(b) Check for shear

From page 2-59, maximum shear coefficient for b/a = 1.5 is 0.42 at the center of the long span edge.

Design shear
$$V_u = C_s \times q_u \times a$$

$$q_u = 1.4D + 1.7L$$

$$= 1.4 \times 150 + 1.7 \times 100 = 380 \text{ psf}$$

$$V_u = 0.42 \times 380 \times 20 = 3192 \text{ lbs}$$

Shear capacity
$$\phi V_c = \phi 2 \sqrt{f_c'} b_w d$$

= $0.85 \times 2 \sqrt{4000} \times 12 \times 9.7$
= $12,515$ lbs > 3192 lbs O.K.

(c) Check deflection

From page 2-59, the maximum deflection coefficient (C_d) for b/a = 1.5 is 7.7 at the center of the plate.

· Service load deflection

Service load
$$q = D + L$$

= 150 + 100 = 250 psf

For uncracked section:

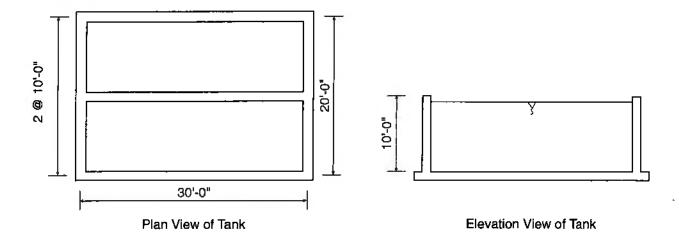
Deflection =
$$\frac{C_d \ q \ a^4}{1000D}$$

where
$$D = \frac{E_c t^3}{12(1-\mu^2)}$$

 $E_c = 3834 \text{ ksi for 4 ksi concrete}$
 $t = 12 \text{ in.}$
 $\mu = 0.2$
 $D = \frac{3834 \times 12^3}{12(1-0.2^2)} = 575,100 \text{ in.-kips } (47,925 \text{ ft-kips})$
Deflection $= \frac{7.7 \times 250 \times 20^4}{1000 \times 47,925 \times 1000} \times 12 = 0.08 \text{ in.}$

If the section is cracked and it is assumed that the cracked moment of inertia is approximately equal to one-half the gross moment of inertia of the plate, the corresponding deflection will approximately double (0.16 in.). The deflection seems to be well within the allowable deflection limits (for example, $\frac{\ell}{180} = 2$ in. for immediate deflection due to live load only; see Table 9-5(b) of ACI 318-95).

Example 2 — Two-Cell Tank (Long Center Wall)



The two-cell tank shown consists of four L-shaped walls and two T-shaped walls. The tank is subjected to a triangular load. As discussed in Chapter 4, the bending moments in the walls of multicell tanks are approximately the same as in the same size single tank, except at locations where more than two walls intersect. Therefore, the values of bending moment coefficients in single-cell tanks presented in Chapter 3 can be directly used for this design example, except at the T-shaped wall intersections.

Solution outline:

 $L - \frac{L - F}{3}$ coefficients are applicable for three intersecting walls of the two T-intersections (see Chapter 4). The coefficients are determined in the following step-wise manner:

- I. Determine the bending moment coefficients in the two-cell tank as if it were two independent tanks
- II. Determine L and F factors to be used in adjustment of bending moment coefficients at T-shaped wall locations
- III. Adjust bending moment coefficients at T-shaped wall locations

I. Determine the bending moment coefficients in the two-cell tank as if it were two independent tanks

The bending moment coefficients are determined using the tables on page 3-30 of Chapter 3. The appropriate coefficients for b/a = 3 and c/a = 1 are given in Table 5-8 through 5-13.

Table 5-8 Bending Moment Coefficients, (M_x) for Single-Cell Tank—Long Outer Wall

	Corner	0.2b 0.8b	0.5b
0.9a	-11	2	4
0.8a	-10	5	8
0.5a	-8	5_	2
0.2a	-3	-27	-53
Bottom	0	-89	-133

Table 5-9 Bending Moment Coefficients, (My) for Single-Cell Tank-Long Outer Wall

	Corner	0.2b 0.8b	0.5b
0.9a	-53	13	20
0.8a	-49	12	18
0.5a	-41	9	9
0.2a	-17	-3	-9
Bottom	0	-18	-27

Table 5-10 Bending Moment Coefficients, (Mz) for Single-Cell Tank-Short Outer Wall

	Corner w/ outer wall	0.2c 0.8c	0.5c	Corner w/ center wall
0.9a	-11	-4	-2	*
0.8a	-10	-4	-1_	*
0.5a	-8	2	8	*
0.2a	-3	6	9	*
Bottom	0	-7	-20	*

*See Table 5-16(Col. 1)

Table 5-11 Bending Moment Coefficients, (My) for Single-Cell Tank-Short Outer Wall

	Corner w/ outer wall	0.2c 0.8c	0.5c	Corner w/ center wall
0.9a	-53	-22	-4	*
0.8a	-49	-19	-2	*
0.5a	-41	-8	6	*
0.2a	-17	0	5	*
Bottom	Ö	-1	-4	*

*See Table 5-16(Col. 2)

Table 5-12 Bending Moment Coefficients, (M_x) for Single-Cell Tank—Center Wall

	Corner w/ short wali	0.2b 0.8b	0.5b	Corner w/ short wall
0.9a	*	2	4	*
0.8a	* .	5	8	*
0.5a	*	5	2	*
0.2a	*	-27	-53	*
Bottom	*	-89	-133	*

*See Table 5-16(Col. 3)

Table 5-13 Bending Moment Coefficients, (M_V) for Single-Cell Tank—Center Wall

	Corner w/ short wall	0.2b 0.8b	0.5b	Corner w/ short wall
0.9a	*	13	20	*
0.8a	*	12	18	*
0.5a	*	9	9	*
0.2a	*	-3	-9	*
Bottom	*	-18	-27	*

*See Table 5-16(Col. 4)

Determine L and F factors to be used in adjustment of bending moment coefficients at Tshaped wall locations

The L and F factors are required to determine the bending moment coefficients, taking into account that the tank is multicell. The L factors of short wall for b/a = 3 and c/a = 1 are taken from page 3-30 of Chapter 3. The F factors for b/a = 1 are taken from page 2-21 of Chapter 2. The L factors of long center wall for b/a = 3 and c/a = 1 are taken from page 3-30 of Chapter 3. The F factors for b/a = 3 are taken from page 2-18. Note that coefficients are not needed for the long outer wall since it does not have an intersection with more than two walls. The L and F factors are given in Table 5-14 and 5-15.

Table 5-14 L and F Coefficients for Short Outer Wall

	$L(M_z)$	$L(M_{\nu})$	$F(M_z)$	$F(M_{\gamma})$
0.9a	-11	-53	-4	-18
0.8a	-10	-49	-4	-21
0.5a	-8	-41	-6	-30
0.2a	-3	-17	-3	-17
Bottom	0	0	0	0

Table 5-15 L and F Coefficients for Center Wall

	$L(M_X)$	$L(M_{V})$	$F(M_X)$	$F(M_y)$
0.9a	-11	-53	-18	-91
0.8a	-10	-49	-16	-80
0.5a	-8	-41	-11	-55
0.2a	-3	-17	-4	-18
Bottom	-1	0	0	0

III. Adjust bending moment coefficients at T-shaped wall locations

The coefficients for the T-shaped intersection are determined using the L and F factors given in Table 5-14 and 5-15 in the following equation:

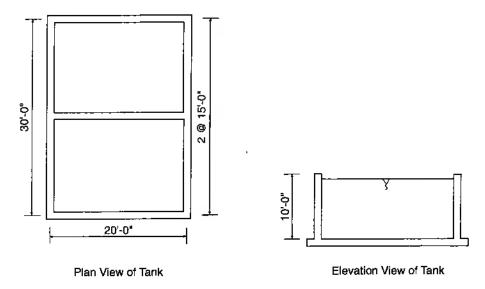
Coefficient = L - (L-F)/3

The bending moment coefficients for the T-shaped intersection are presented in Table 5-16.

Table 5-16 Bending Moment Coefficients at T-Shaped Wall $\left(M = L - \frac{(L - F)}{3}\right)$

	Col. 1	Col. 2	Col. 3	Col. 4
	Short Side	Short Side	Center Wall	
	M_z	M_V	M _X	M_{γ}
0.9a	-9	-41	-13	-66
0.8a	-8	-40	-12	-59
0.5a	-7	-37	-9	-46
0.2a	-3	-17	-3	-17
Bottom	0	0	-1	0

Example 3 — Two-Cell Tank (Short Center Wall)



The two-cell tank shown consists of four L-shaped walls and two T-shaped walls. The tank is subjected to a triangular load. As discussed in Chapter 4, the bending moments in the walls of multicell tanks are approximately the same as in the same size single tank, except at locations where more than two walls intersect. Therefore, the values of bending moment coefficients in single-cell tanks presented in Chapter 3 can be directly used for this design example, except at the T-shaped wall intersections.

Solution outline:

The F coefficients apply at the T-intersection of the 15 ft long walls and $L - \frac{L-F}{3}$ coefficients apply to the center wall (see Chapter 4). The coefficients are determined in the following step-wise manner.

- I. Determine the bending moment coefficients in the two-cell tank as if it were two independent tanks
- II. Determine L and F factors to be used in adjustment of bending moment coefficients at T-shaped wall locations
- III. Adjust bending moment coefficients at T-shaped wall locations

I. Determine the bending moment coefficients in the two-cell tank as if it were two independent tanks

The bending moment coefficients for b/a = 2 and c/a = 1.5 are determined using the tables on page 3-31 of Chapter 3. The appropriate coefficients are given in Table 5-17 through 5-22.

Table 5-17 Bending Moment Coefficients, (M_x) for Single-Cell Tank—20' Long Wall

	Corner	0.2b 0.8b	0.5b
0.9a	-11	1	5
0.8a	-11	3	10
0.5a	-9	8	15
0.2a	-4	-8	-21
Bottom	. 0	-52	-90

Table 5-18 Bending Moment Coefficients, (M_y) for Single-Cell Tank—20' Long Wall

	Corner	0.2b 0.8b	0.5b
0.9a	-54	4	26
0.8a	-53	5	25
0.5a	-46	6	16
0.2a	-19	0	-1
Bottom	0	-10	-18

Table 5-19 Bending Moment Coefficients, (Mz) for Single-Cell Tank-15' Long Wall

	Corner w/ outer wall	0.2b 0.8b	0.5b	Corner w/ center wall
0.9a	-11	-1	3	*
0.8a	-11	0	6	*
0.5a	-9	7_	16	*
0.2a	-4	1	-2	*
Bottom	0	-29	-56	*

*See Table 5-25(Col. 1)

Table 5-20 Bending Moment Coefficients, (My) for Single-Cell Tank-15' Long Wall

	Corner w/ outer wall	0.2b 0.8b	0.5b	Corner w/ center wall
0.9 a	-54	-6_	19	*
0.8a	-53	-4	19	*
0.5 <i>a</i>	-46	1	16	*
0.2 <i>a</i>	-19	1	3	*
Bottom	0	-6	-11	*

*See Table 5-25(Col. 2)

Table 5-21 Bending Moment Coefficients, (M_x) for Single-Cell Tank—Center Wall

	Corner w/ short wall	0.2b 0.8b	0.5b	Corner w/ short wall
0.9a	*	1	5	*
0.8a	*	3	10	*
0.5a	*	8	15	*
0.2a	*	-8	-21	*
Bottom	*	-52	-90	*

*See Table 5-25(Col. 3)

Table 5-22 Bending Moment Coefficients, (My) for Single-Cell Tank-Center Wall

	Corner w/ short wall	0.2b 0.8b	0.5b	Corner w/ short wall
0.9a	* _]	4	26	*
0.8a	*	5	25	*
0.5a	*	6	16	*
0.2a	*	0	-1	*
Bottom	*	-10	-18	*

*See Table 5-25 Col. 4)

The L and F factors are required to determine the bending moment coefficients taking into account that the tank is multicell. The L factors are taken from page 3-31 of Chapter 3. The F factors for b/a = 2 and b/a = 1.5 are taken from pages 2-19 and 2-20 of Chapter 2, respectively. The L and F factors are given in Table 5-23 and 5-24.

III. Adjust bending moment coefficients at T-shaped wall locations

The coefficients for the T-shaped intersection are determined using the L and F factors given in Table 5-23 and 5-24 in the following equation:

Coefficient = F for Col. 1 and Col. 2

Coefficient = L - (L-F)/3 for Col. 3 and Col. 4

The bending moment coefficients for the T-shaped intersection are presented in Table 5-25.

Table 5-23 L and F Coefficients for 15' Long Wall (b /a = 1.5)

	$L(M_z)$	$L(M_{y})$	$F(M_z)$	$F(M_{\gamma})$
0.9a	-11	-54	-9	-43
0.8a	-11	-53	-9	-44
0.5a	-9	-46	-9	-43
0.2a	-4	-19	-4	-19
Bottom	0	0	0	0

Table 5-24 L and F Coefficients for Center Wall (b /a = 2.0)

	$L(M_{\chi})$	$L(M_{\nu})$	$F(M_X)$	$F(M_{\nu})$
0.9a	-11	-54	-13	-66
0.8a	-11	-53	-12	-62
0.5a	-9	-46	-10	-50
0.2a	-4	-19	-4	-19
Bottom	0	0	0	0

Table 5-25 Bending Moment Coefficients at T-Shaped Wall

	Col. 1	Col. 2	Col. 3	Col. 4
	15' Wali	15' Wall	Center Wall	Center Wall
	M_Z	M_{V}	M_{χ}	$M_{_{Y}}$
0.9a	-9	-43	-12	-58
0.8a	-9	-44	-11	-56
0.5a	-9	-43	-9	-47
0.2a	-4	-19	-4	-19
Bottom	0	0	0	0

		<u></u>	
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Design Aid for Bending Moment Reinforcing

Table A-1 Flexural Strength $M_u/\phi f_c'$ bd 2 or M_n/f_c' bd 2 of Rectangular Sections with Tension Reinforcement only

ω	.000	.001	.002	.003	.004	.005	.006	.007	.008	.009
0.0	0	.0010	.0020	.0030	.0040	.0050	.0060	.0070	.0800.	.0090
0.01	.0099	.0109	.0119	.0129	.0139	.0149	.0159	.0168	.0178	.0188
0.02	.0197	.0207	.0217	.0226	.0236	.0246	.0256	.0266	.0275	.0285
0.03	.0295	.0304	.0314	.0324	.03331	.0343	.0352	.0362	.0372	.0381
0.04	.0391	.0400	.0410	.0420	.0429	.0438	.0448	.0457	.0467	.0476
0.05	.0485	.0495	.0504	.0513	.0523	.0532	.0541	.0551	.0560	.0569
0.06	.0579	.0588	.0597	.0607	.0616	.0625	.0634	.0643	.0653	.0662
0.07	.0671	.0680	.0689	.0699	.0708	.0717	.0726	.0735	.0744	.0753
0.08	.0762	.0771	.0780	.0789	.0798	.0807	.0816	.0825	.0834	.0843
0.09	.0852	.0861	.0870	.0879	.0888	.0897	.0906	.0915	.0923	.0932
0.10	.0941	.0950	.0959	.0967	.0976	.0985	.0994	.1002	.1011	.1020
0.11	.1029	.1037	.1046	.1055	.1063	.1072	.1081	.1089	.1098	.1106
0.12	.1115	.1124	.1133	.1141	.1149	.1158	.1166	.1175	1183	.1192
0.13	.1200	.1209	.1217	.1226	.1234	.1243	.1251	.1259	.1268	.1276
0.14	.1284	.1293	.1301	.1309	.1318	.1326	.1334	.1342	.1351	.1359
0.15	.1367	.1375	.1384	.1392	.1400	.1408	.1416	.1425	.1433	.1441
0.16	1449	.1457	.1465	.1473	.1481	.1489	.1497	.1506	.1514	.1522
0.17	.1529	.1537	.1545	.1553	.1561	.1569	.1577	.1585	.1593	.1601
0.18	.1609	.1617	.1624	.1632	.1640	.1648	.1656	.1664	.1671	.1679
0.19	.1687	.1695	.1703	.1710	.1718	.1726	.1733	.1741	.1749	.1756
0.20	.1764	.1772	.1779	.1787	.1794	.1802	.1810	.1817	.1825	.1832
0.21	.1840	.1847	.1855	.1862	.1870	.1877	.1885	.1892	.1900	.1907
0.22	.1914	.1922	.1929	.1937	.1944	.1951	.1959	.1966	.1973	.1981
0.23	.1988	.1985	.2002	.2010	.2017	.2024	.2031	.2039	.2046	.2053
0.24	.2060	.2067	.2075	.2082	.2089	.2096	.2103	.2110	.2117	.2124
0.25	.2131	.2138	.2145	.2152	.2159	.2166	.2173	.2180	.2187	.2194
0.26	.2201	.2208	.2215	.2222	.2229	.2236	.2243	.2249	.2256	.2263
0.27	.2270	.2277	.2284	.2290	.2297	.2304	.2311	.2317	.2324	.2331
0.28	.2337	.2344	.2351	.2357	.2364	.2371	.2377	.2384	.2391	.2397
0.29	.2404	.2410	.2417	.2423	.2430	.2437	.2443	.2450	.2456	.2463
0.30	.2469	.2475	.2482	.2488	.2495	.2501	.2508	.2514	.2520	.2527
0.31	.2533	.2539	.2546	.2552	.2558	.2565	.2571	.2577	.2583	.2590
0.32	.2596	.2602	.2608	.2614	.2621	.2627	.2633	.2639	.2645	.2651
0.33	.2657	.2664	.2670	.2676	.2682	.2688	.2694	.2670	.2706	.2712
0.34	.2718	.2724	.2730	.2736	.2742	.2748	.2754	.2760	.2766	.2771
0.35	.2777	.2783	.2789	.2795	.2801	.2807	.2812	.2818	.2824	.2830
0.36	.2835	.2841	.2847	.2853	.2858	.2864	.2870	.2875	.2881	.2887
0.37	.2892	.2898	.2904	.2909	.2915	.2920	.2926	.2931	.2937	.2943
0.38	.2948	.2954	.2959	.2965	.2970	.2975	.2981	.2986	.2992	.2997
0.39	.3003	.3003	.3013	.3019	.3024	.3029	.3035	.3040	.3045	.3051

 $M_n/f_c' bd^2 = \omega$ (1-0.59 ω), where $\omega = \rho f_y/f_c'$

Design: Using factored moment M_u , enter table with $M_u/\phi f_c' b d^2$; find ω and compute steel percentage ρ from $\rho = \omega f_c'/f_y$.

Investigation: Enter table with ω from $\omega=\rho f_y/f_c'$; find value of M_n/f_c' bd² and solve for nominal strength M_n .