

GENERAL NOTES

NOTES ON THESE DRAWINGS ARE NOT INTENDED TO REPLACE SPECIFICATIONS. SEE SPECIFICATIONS FOR REQUIREMENTS IN ADDITION TO DRAWING NOTES.

STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH PROJECT SPECIFICATIONS AND THE ARCHITECTURAL, MECHANICAL, ELECTRICAL, PLUMBING, FIRE PROTECTION, EQUIPMENT, SITE AND SHOP DRAWINGS. CONSULT THESE DRAWINGS FOR LOCATIONS AND DIMENSIONS OF CHASES, INSERTS, SLEEVES, DEPRESSIONS AND OTHER DETAILS NOT SHOWN ON THE STRUCTURAL DRAWINGS.

ALL DIMENSIONS, ELEVATIONS AND CONDITIONS MUST BE VERIFIED IN THE FIELD BY THE GENERAL CONTRACTOR. ANY DISCREPANCY SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH THE AFFECTED PART OF THE WORK. THE CONTRACTOR SHALL DETERMINE ALL NECESSARY DIMENSIONS, ELEVATIONS AND CONDITIONS REQUIRED FOR THE FABRICATION AND ERECTION OF THE BUILDING'S COMPONENTS PRIOR TO THE SUBMISSION OF SHOP DRAWINGS. ALL SHOP DRAWINGS SHALL ACCURATELY REFLECT THE GENERAL CONTRACTOR'S VERIFICATION OF FIELD CONDITIONS.

SHOP DRAWINGS SHALL BE ORIGINAL DRAWINGS PREPARED BY THE GENERAL CONTRACTOR OR A SUBCONTRACTOR. REPRODUCTION OF ANY STRUCTURAL DRAWING FOR USE AS A SHOP DRAWING IS NOT ACCEPTABLE.

THE STRUCTURE IS DESIGNED TO BE SELF-SUPPORTING AND STABLE AFTER THE BUILDING IS COMPLETE. IT IS SOLELY THE GENERAL CONTRACTOR'S RESPONSIBILITY TO DETERMINE ERECTION PROCEDURES AND SEQUENCING TO ENSURE THE SAFETY OF THE BUILDING AND ITS COMPONENTS DURING ERECTION. THIS INCLUDES THE ADDITION OF NECESSARY SHORING, SHEETING, TEMPORARY BRACING, GUYS AND/OR TIEDOWNS. SUCH MATERIAL SHALL REMAIN THE PROPERTY OF THE GENERAL CONTRACTOR AFTER COMPLETION OF THE BUILDING.

SECTIONS AND DETAILS SHOWN ON THE STRUCTURAL DRAWINGS SHALL BE CONSIDERED TYPICAL AND USED IN SIMILAR CONDITIONS.

THE GENERAL CONTRACTOR AND ALL SUBCONTRACTORS SHALL FOLLOW ALL APPLICABLE FEDERAL, STATE AND MUNICIPAL REGULATIONS INCLUDING THE FEDERAL DEPARTMENT OF LABOR OCCUPATIONAL SAFETY AND HEALTH ACT.

DESIGN CRITERIA

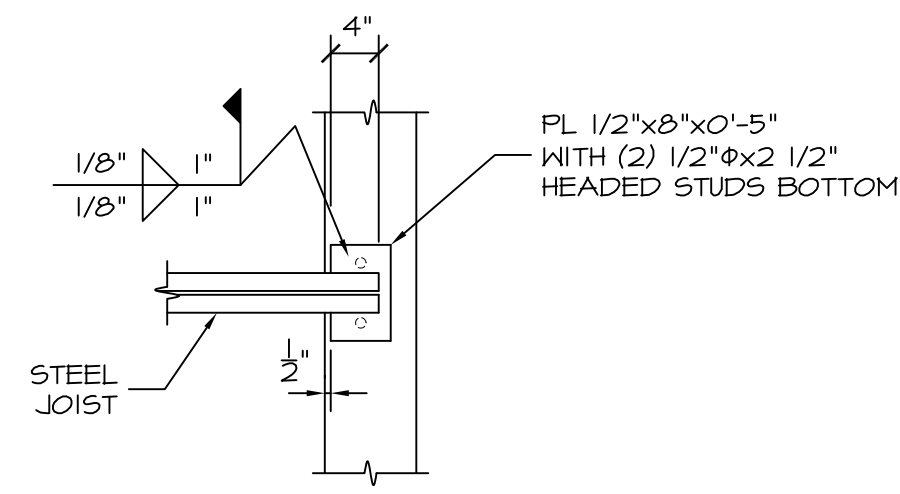
BUILDING CODE: 2009 INTERNATIONAL BUILDING CODE

DESIGN LOADS:

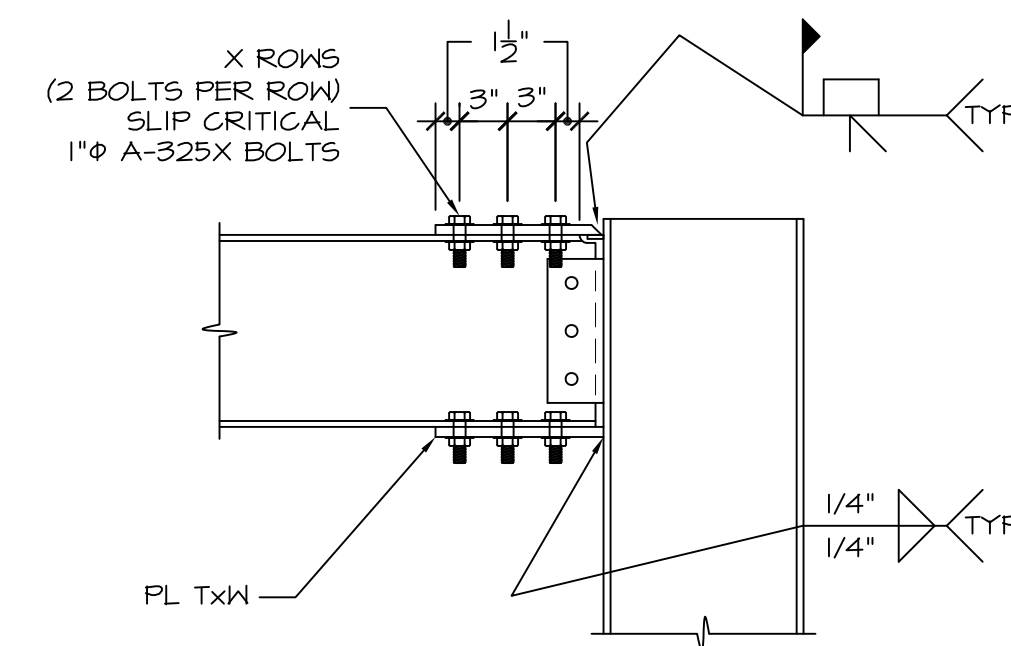
LIVE LOADS	
RETAIL UNITS	100 PSF
SNOW LOAD	
GROUND SNOW LOAD, P_g	60 PSF
SNOW EXPOSURE FACTOR, C_e	1.0
SNOW LOAD IMPORTANCE FACTOR, I_s	1.0
THERMAL FACTOR, C_t	1.0
FLAT ROOF SNOW LOAD, P_f	42 PSF
WIND LOAD	
BASIC WIND SPEED (3 SEC GUST), V_{3s}	100 MPH
WIND IMPORTANCE FACTOR, I_w	1.0
BUILDING CATEGORY	I
EXPOSURE CATEGORY	B

EARTHQUAKE DESIGN DATA	
SEISMIC IMPORTANCE FACTOR, I_e	1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS	
0.2 SEC PERIOD, $S_{0.2}$	0.315
1 SEC PERIOD, S_1	0.077

SITE CLASS	D
SPECTRAL RESPONSE COEFFICIENTS	
0.2 PERIOD 5% DAMPED, $S_{0.2}$	0.325
1 SEC PERIOD 5% DAMPED, $S_{0.1}$	0.123
SEISMIC DESIGN CATEGORY	C
BASIC SEISMIC-FORCE-RESISTING SYSTEM	ORDINARY MOMENT FRAMES
DESIGN BASE SHEAR	
BUILDING A	17.7 KIPS
BUILDING B	26.1 KIPS
WAREHOUSE	19.1 KIPS
SEISMIC RESPONSE COEFFICIENT, C_s	0.093
DEFLECTION AMPLIFICATION FACTOR, C_d	3.0
RESPONSE MODIFICATION COEFFICIENT, R	3.5
SYSTEM OVERSTRENGTH FACTOR, Ω	3.0
ANALYSIS PROCEDURE	EQUIVALENT LATERAL FORCE



STEEL JOIST BEARING PLATE DETAIL
3/4"=1'-0"



TYPICAL MOMENT CONNECTION
NTS

BEAM SIZE	COLUMN SIZE	T	W	X
W6x26	W10x30	1/2"	5 1/2"	3
W10x35	W12x40	5/8"	6"	4

FOOTING SCHEDULE		
MARK	SIZE	REINFORCING
F1	3'-4" x 3'-4" x 1'-0"	(4) #5 E.W. BOT.
F2	4'-6" x 4'-6" x 1'-0"	(5) #5 E.W. BOT.
F3	5'-0" x 5'-0" x 1'-6"	(6) #6 E.W. BOT.
F4	5'-6" x 5'-6" x 1'-6"	(7) #6 E.W. BOT.
F5	4'-0" x 5'-6" x 1'-6"	(7) #6 S.W. BOT. (5) #6 L.W. BOT.

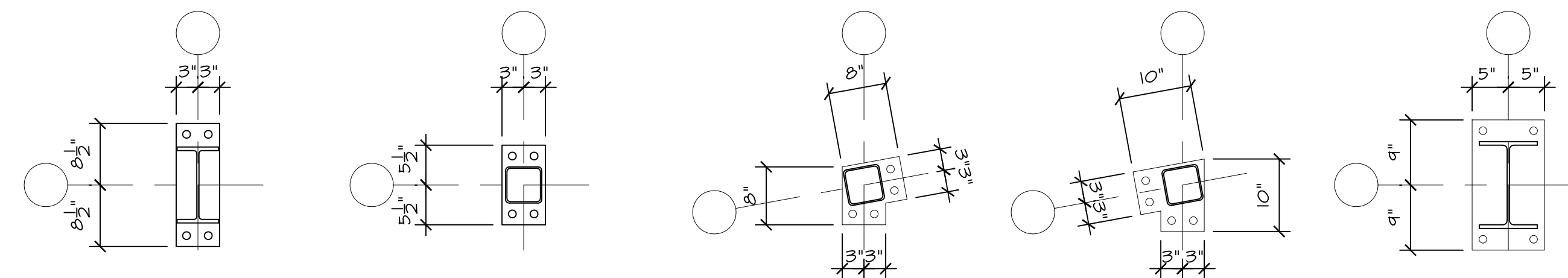
LOOSE LINTEL SCHEDULE	
ROUGH OPENING	LINTEL SIZE
UP TO 3'-0"	L 3 1/2x3 1/2x5/16
>3'-0" TO 4'-6"	L 4x3 1/2x5/16 LLV
>4'-6" TO 6'-0"	L 5x3 1/2x5/16 LLV

INSTALL ONE STEEL ANGLE LINTEL FOR EACH 4" OF WALL THICKNESS.

ALL EXTERIOR LINTELS ARE GALVANIZED.

PROVIDE 6" BEARING AT EACH END.

COLUMN SCHEDULE					
BUILDING	COLUMN MARK	SIZE	BOT. OF BASE PL ELEV.	BASE PL TYPE	TOP OF COLUMN ELEV.
A	A-2 B-2 C-2 D-2	W10x30	13'-5"	A	24'-10 1/2"
B	A-3-1 B-1 C-1 A-1-5 B-5 C-5	H955x5x0.1075	13'-1"	B	26'-8"
B	D-1-2 D-1-B D-2 D-3 D-4	W10x30	13'-1"	A	26'-4"
B	D-1	H955x5x0.1075	13'-1"	C	26'-8"
B	D-5	H955x5x0.1075	13'-1"	D	26'-8"
B	A-2 A-3 A-4	W12x40	11'-5"	E	26'-8"
B	B-2 B-3 B-4 C-2 C-3 C-4	W12x40	11'-5"	E	25'-10"



TYPE A
THICKNESS = 1"

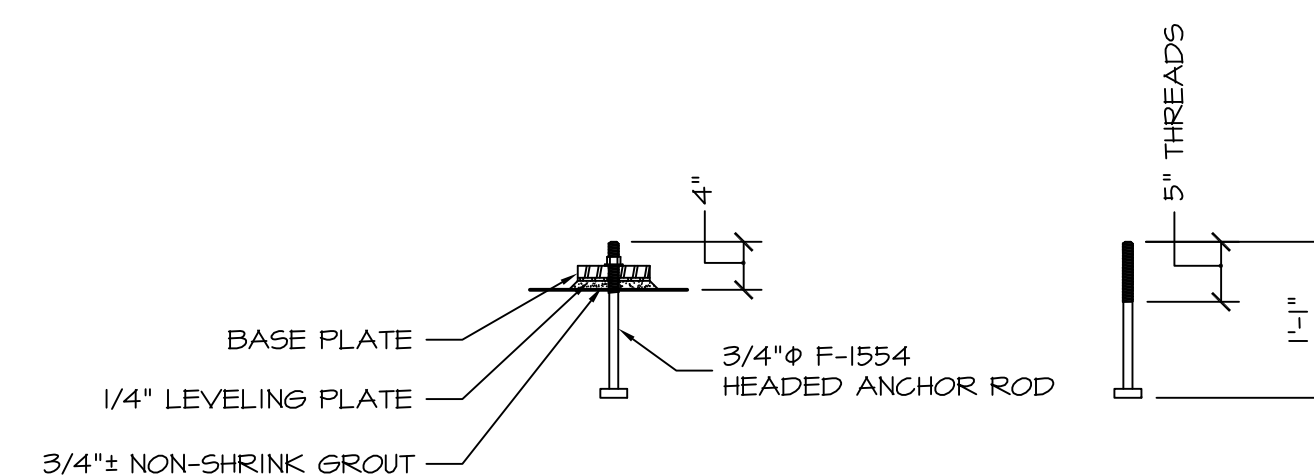
TYPE B
THICKNESS = 5/8"

TYPE C
THICKNESS = 5/8"
SEE PLAN DIMENSIONS TO DETERMINE ANGLE BETWEEN GRIDS

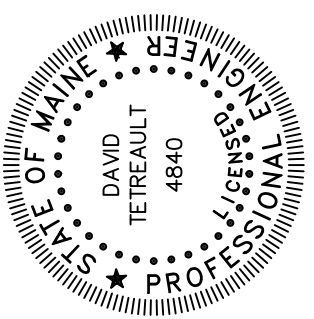
TYPE D
THICKNESS = 5/8"
SEE PLAN DIMENSIONS TO DETERMINE ANGLE BETWEEN GRIDS

TYPE E
THICKNESS = 1"

BASE PLATE DETAILS
3/4"=1'-0"
HOLE DIA = 1 1/16"
HOLE EDGE DIST = 1 1/2" UN.O.

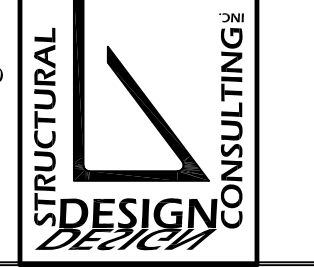


TYPICAL ANCHOR ROD DETAILS
3/4"=1'-0"



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Scale: As Noted
GENERAL NOTES AND SCHEDULES

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