

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:

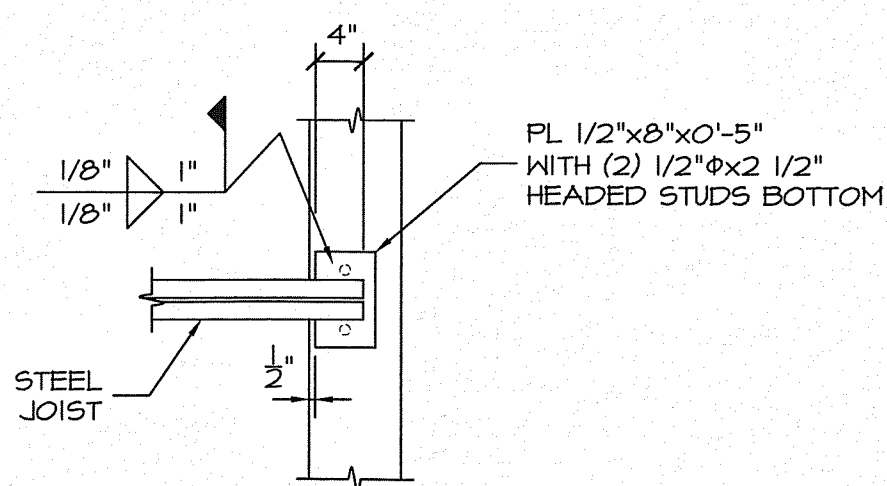
LIVE LOADS
RETAIL UNITS 100 PSF

SNOW LOAD
GROUND SNOW LOAD, Pg 60 PSF
SNOW EXPOSURE FACTOR, Ce 1.0
SNOW LOAD IMPORTANCE FACTOR, Is 1.0
THERMAL FACTOR, Ct 1.0
FLAT ROOF SNOW LOAD, Pf 42 PSF

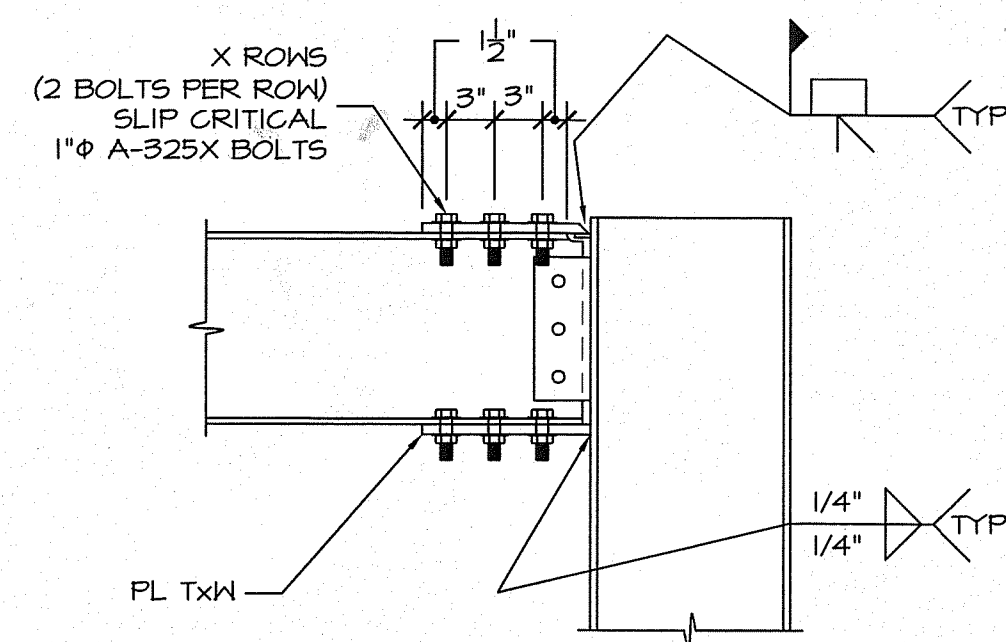
WIND LOAD
BASIC WIND SPEED (3 SEC GUST), V3s 100 MPH
WIND IMPORTANCE FACTOR, Iw 1.0
BUILDING CATEGORY I
EXPOSURE CATEGORY B

EARTHQUAKE DESIGN DATA
SEISMIC IMPORTANCE FACTOR, Ie 1.0
MAPPED SPECTRAL RESPONSE ACCELERATIONS
0.2 SEC PERIOD, Ss 0.315
1 SEC PERIOD, S1 0.071

SITE CLASS D
SPECTRAL RESPONSE COEFFICIENTS
0.2 PERIOD 5% DAMPED, Sds 0.325
1 SEC PERIOD 5% DAMPED, Sd1 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, Cs 0.043
DEFLECTION AMPLIFICATION FACTOR, Cd 3.0
RESPONSE MODIFICATION COEFFICIENT, R 3.5
SYSTEM OVERSTRENGTH FACTOR, Ω0 3.0
ANALYSIS PROCEDURE EQUIVALENT LATERAL FORCE



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



TYPICAL MOMENT CONNECTION
NTS

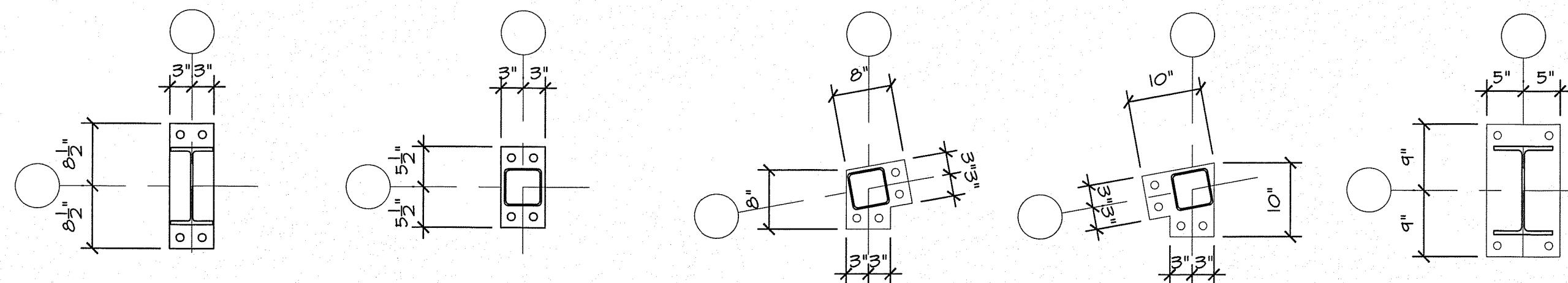
| BEAM SIZE | COLUMN SIZE | T | W | X |
|----------------|-------------|------|--------|---|
| W6x26 | W10x30 | 1/2" | 5 1/2" | 3 |
| W8x35 W8x40 | W12x40 | 5/8" | 6" | 4 |

| FOOTING SCHEDULE | | |
|------------------|-----------------------|--------------------------------------|
| MARK | SIZE | REINFORCING |
| F1 | 3'-9" x 3'-9" 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 AND STEEL HEADER 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 |
| >6'-0" TO 10'-0" | W8x10 WITH 3/8" BOTTOM PLATE PLATE WIDTH = WALL THICKNESS - 3/4" |
| >10'-0" TO 18'-0" | W12x22 WITH 3/8" BOTTOM PLATE PLATE WIDTH = WALL THICKNESS - 3/4" |

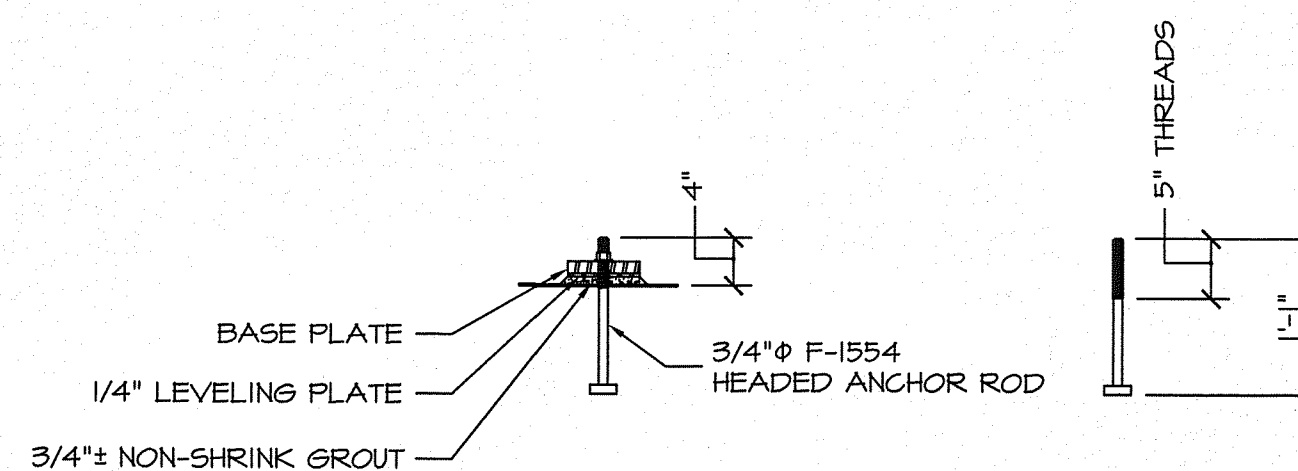
INSTALL ONE STEEL ANGLE LINTEL FOR EACH 4" OF WALL THICKNESS.
ALL EXTERIOR ANGLE LINTELS AND WIDE FLANGE LINTEL BOTTOM PLATES ARE GALVANIZED.
PROVIDE 6" BEARING AT EACH END.

| 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 | H565x5x0.1075 | 13'-1" | B | 26'-8" |
| B | D-1-2 D-1-3 D-4 | W10x30 | 13'-1" | A | 26'-9" |
| B | D-1 | H565x5x0.1075 | 13'-1" | C | 26'-8" |
| B | D-5 | H565x5x0.1075 | 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" |

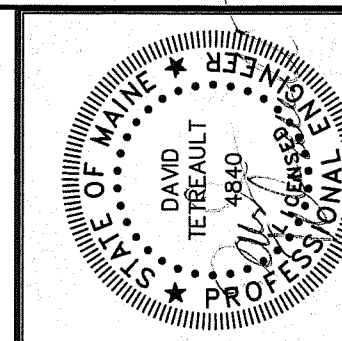


TYPE A THICKNESS = 1"
TYPE B THICKNESS = 5/8"
TYPE C THICKNESS = 5/8" SEE PLAN DIMENSIONS TO DETERMINE ANGLE BETWEEN GRIDS
TYPE D THICKNESS = 5/8" SEE PLAN DIMENSIONS TO DETERMINE ANGLE BETWEEN GRIDS
TYPE E THICKNESS = 1"

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



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



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Revisions:
Issued for Construction 05/08/15

Date: 16 Mar 15
Scale: As Noted
GENERAL NOTES AND SCHEDULES

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