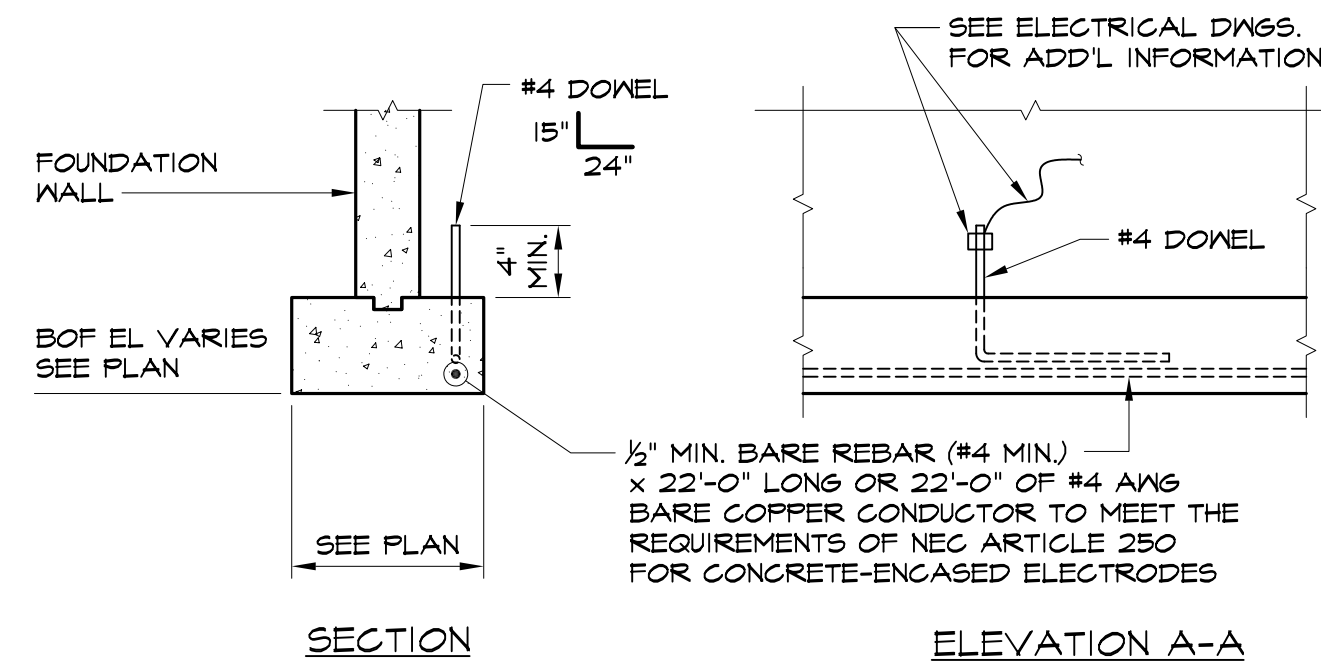


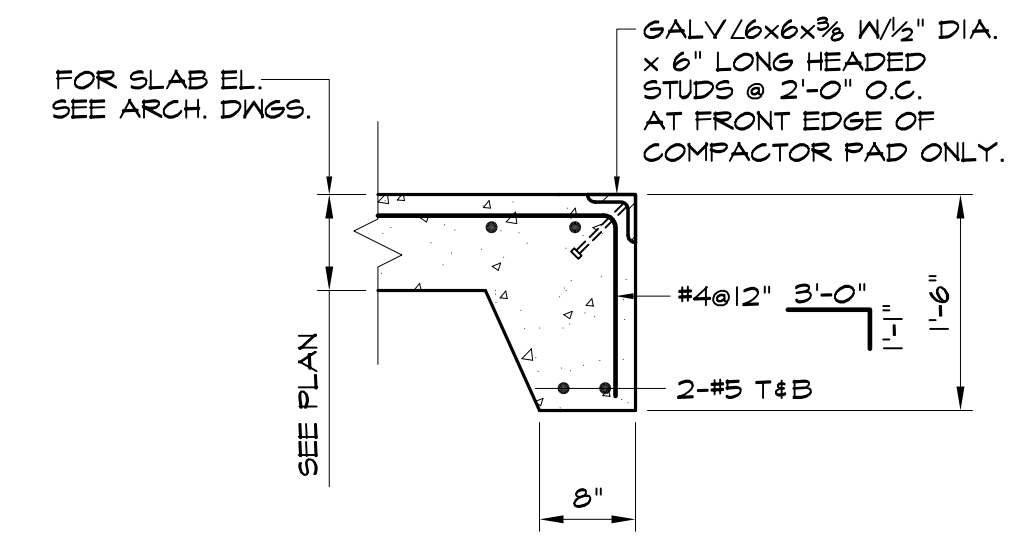
ALTERNATE FOOTING DETAILS AT PIPES

BAR SIZE	CONCRETE REINFORCING SPLICE SCHEDULE					
	'LAP SPLICES'	'TENSION LAP SPLICES'				'COMPRESSION' 'LAP SPLICES'
		ALL CONCRETE	f _c '=3000		f _c '=4000	
		TOP BARS	OTHER BARS	TOP BARS	OTHER BARS	ALL CONCRETE
3	14"	28"	21"	24"	19"	12"
4	18"	31"	24"	32"	25"	15"
5	23"	46"	36"	40"	31"	19"
6	27"	56"	49"	48"	37"	23"
7	32"	81"	69"	70"	53"	27"

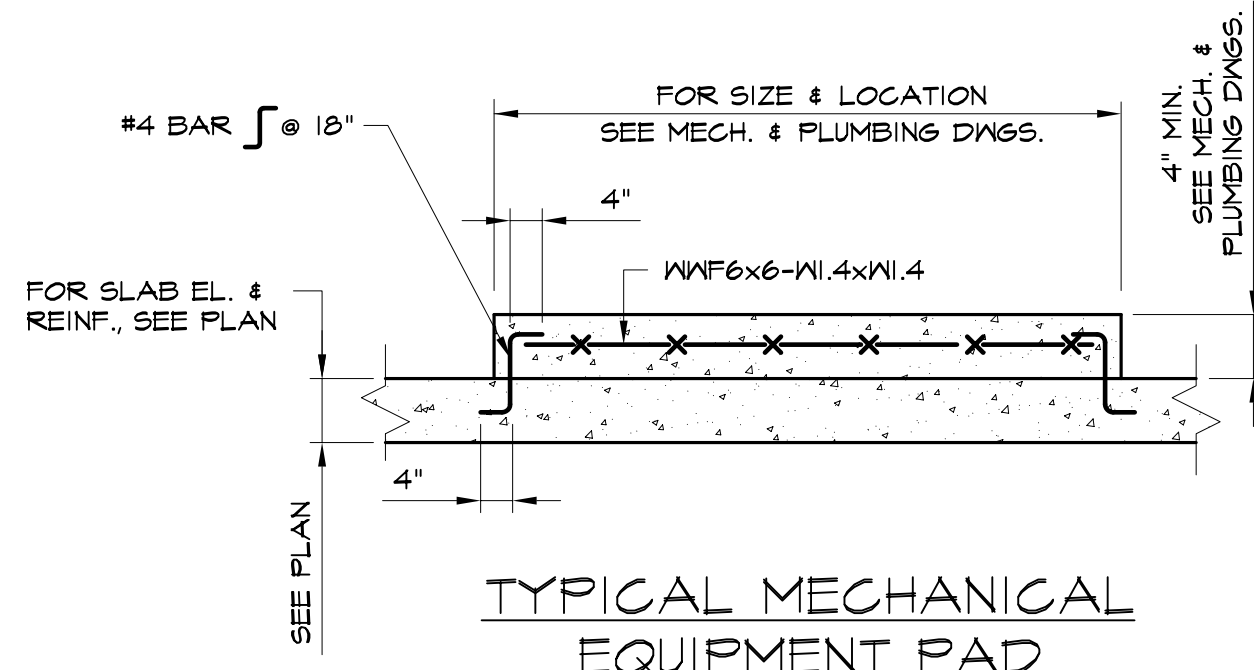
- NOTES:
- ALL SPLICES TO BE "LAP SPLICES" UNLESS NOTED OTHERWISE IN SECTIONS.
 - TENSION AND COMPRESSION LAP SPLICE WILL BE INDICATED ON PLANS AND SECTIONS.
 - A TOP BAR IS A HORIZONTAL WITH AT LEAST 12" OF FRESH CONCRETE BELOW.
 - EPOXY-COATED REINFORCING SPLICES SHALL BE INCREASED ACCORDING TO AC308.



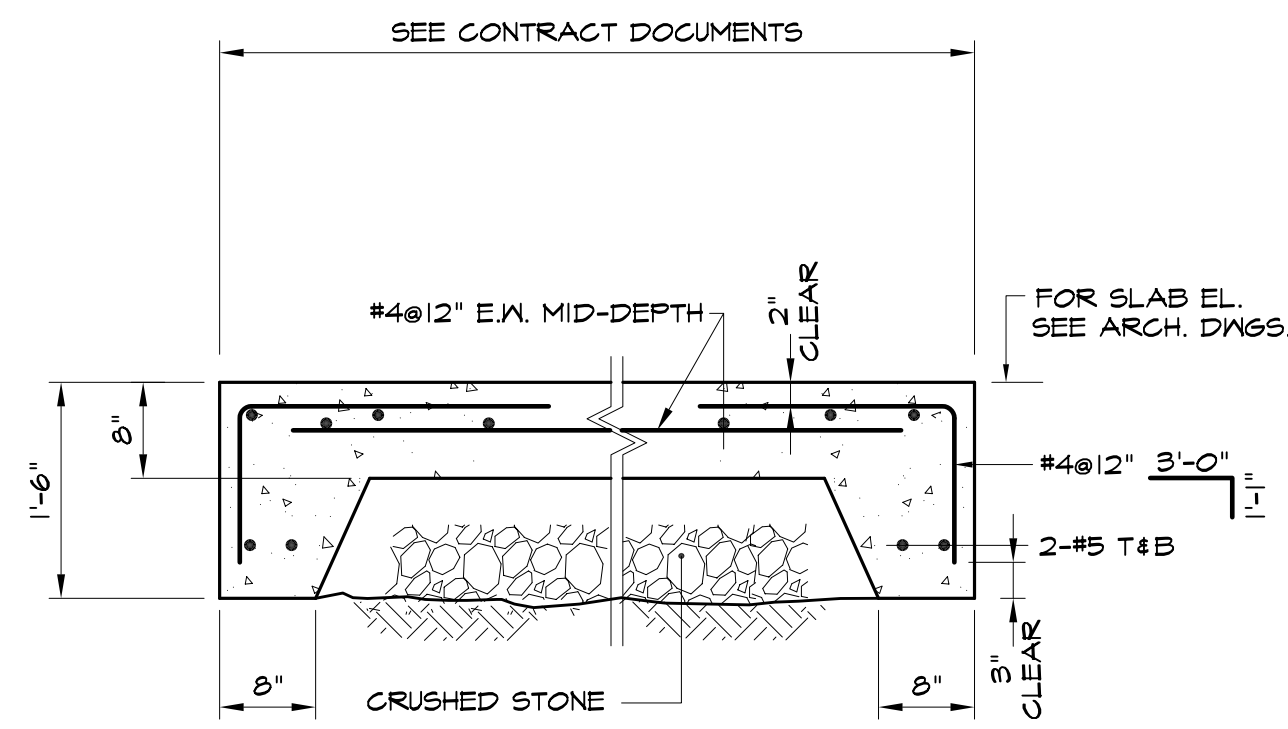
CONCRETE ENCASED ELECTRODE



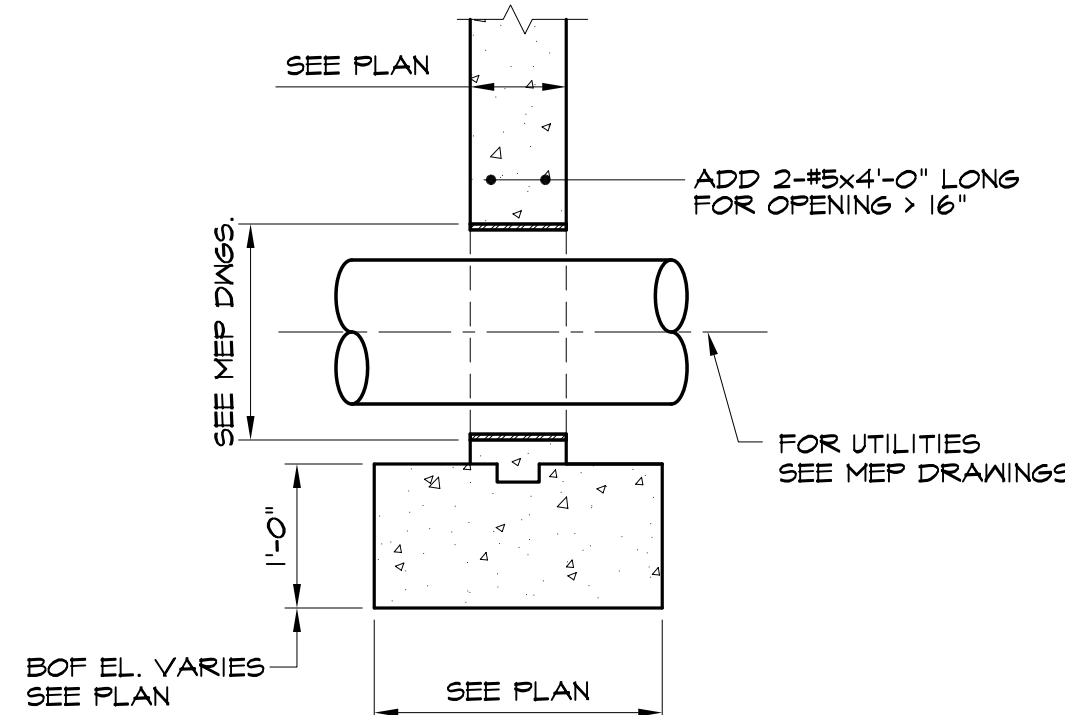
TYPICAL EXTERIOR PAD EDGE DETAIL



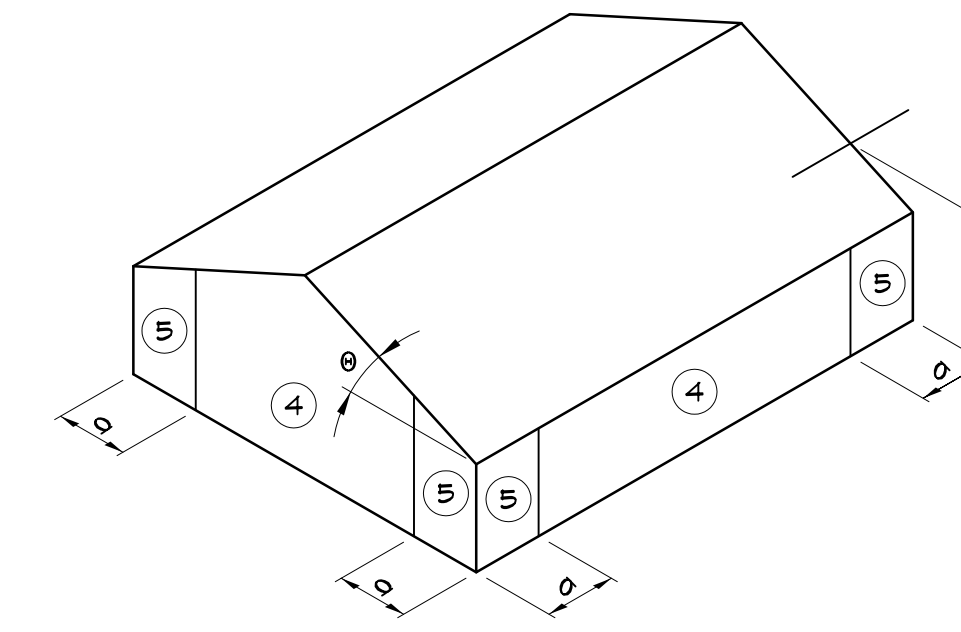
TYPICAL MECHANICAL EQUIPMENT PAD



TYPICAL EXTERIOR COMPACTOR PAD DETAIL



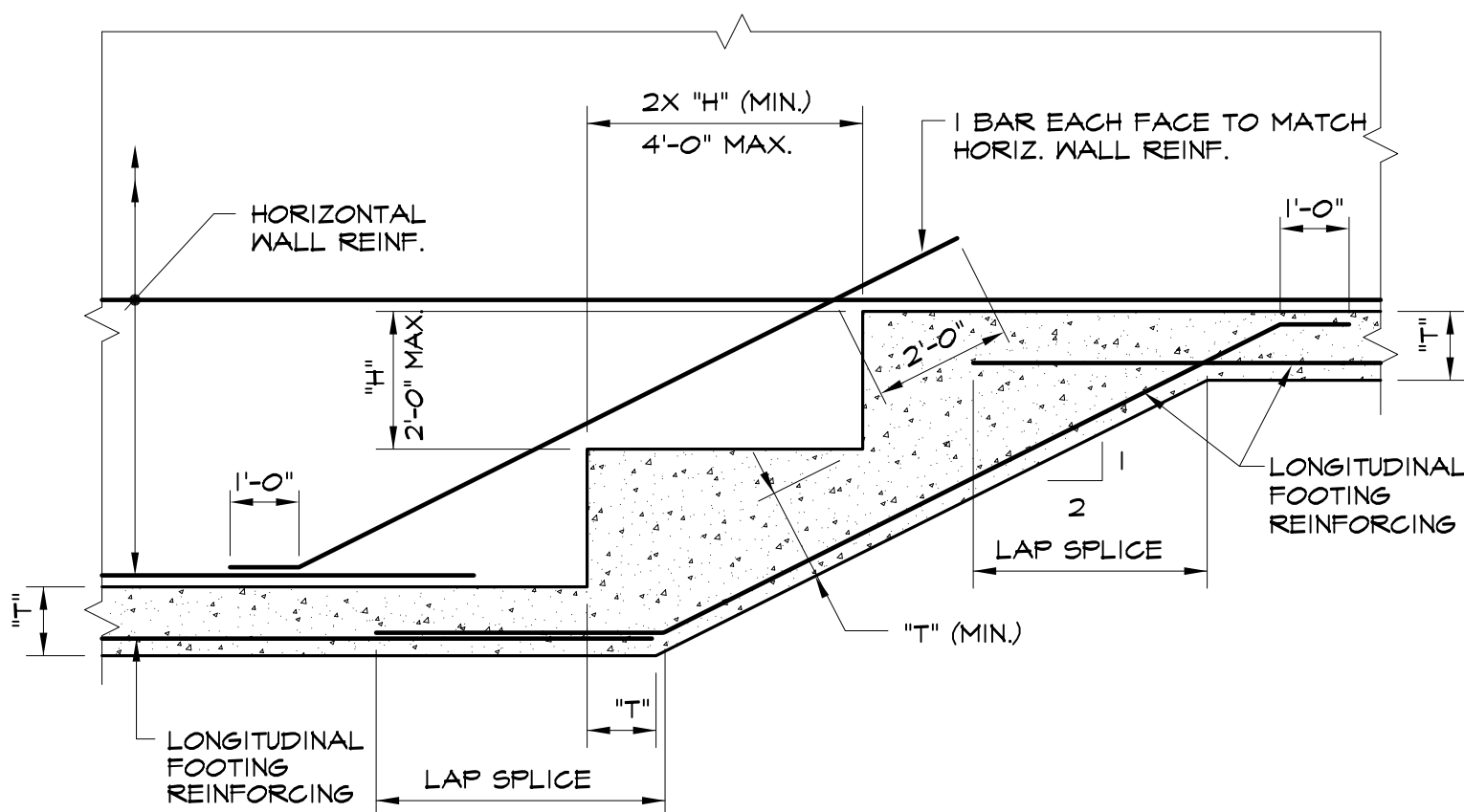
TYPICAL UTILITY SLEEVE



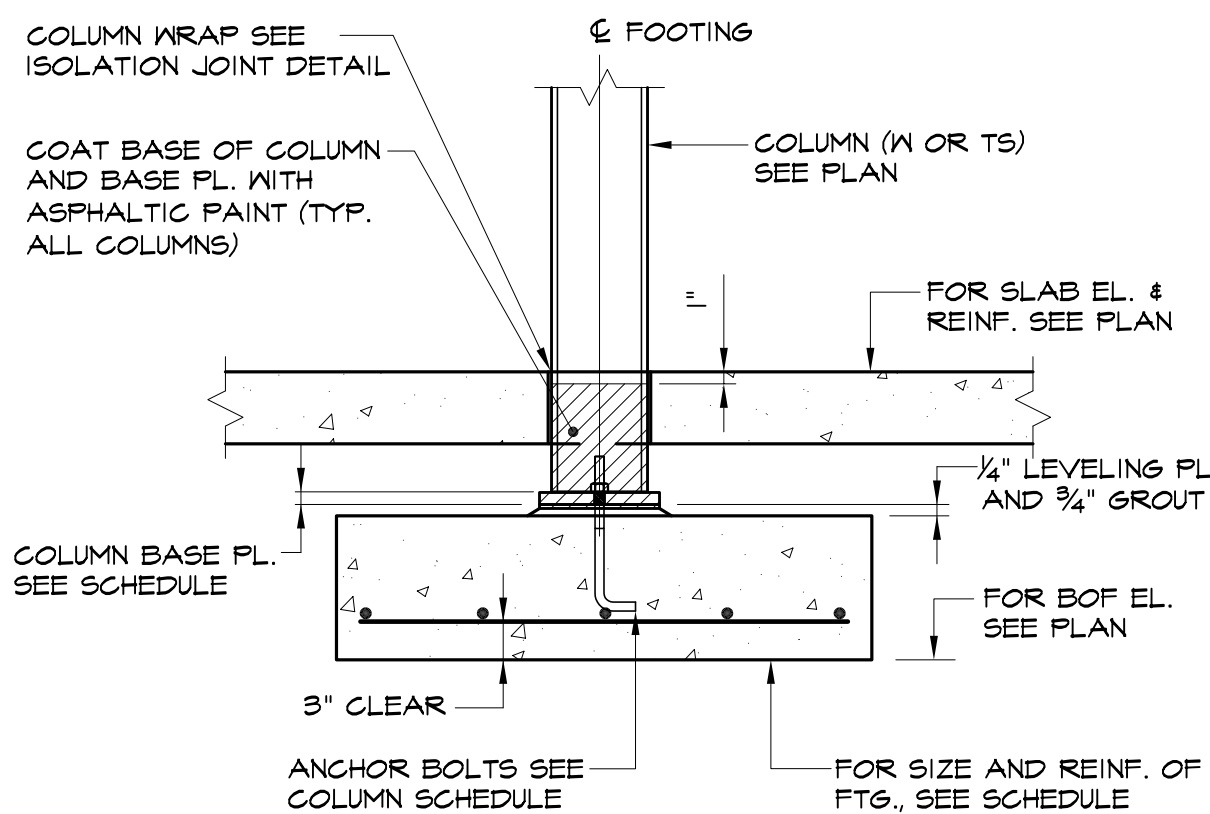
WIND SPEED = 100 mph			
ZONE PER FIGURE	EFFECTIVE WIND AREA (ft ²)	PRESSURE (PSF)	
4	10	18.0	-19.5
4	20	17.2	-18.7
4	50	16.1	-17.6
4	100	15.3	-16.8
5	10	18.0	-24.1
5	20	17.2	-22.5
5	50	16.1	-20.3
5	100	15.3	-18.7

66 COMPONENT & CLADDING LOADS AT WALL
6202 NOTES:

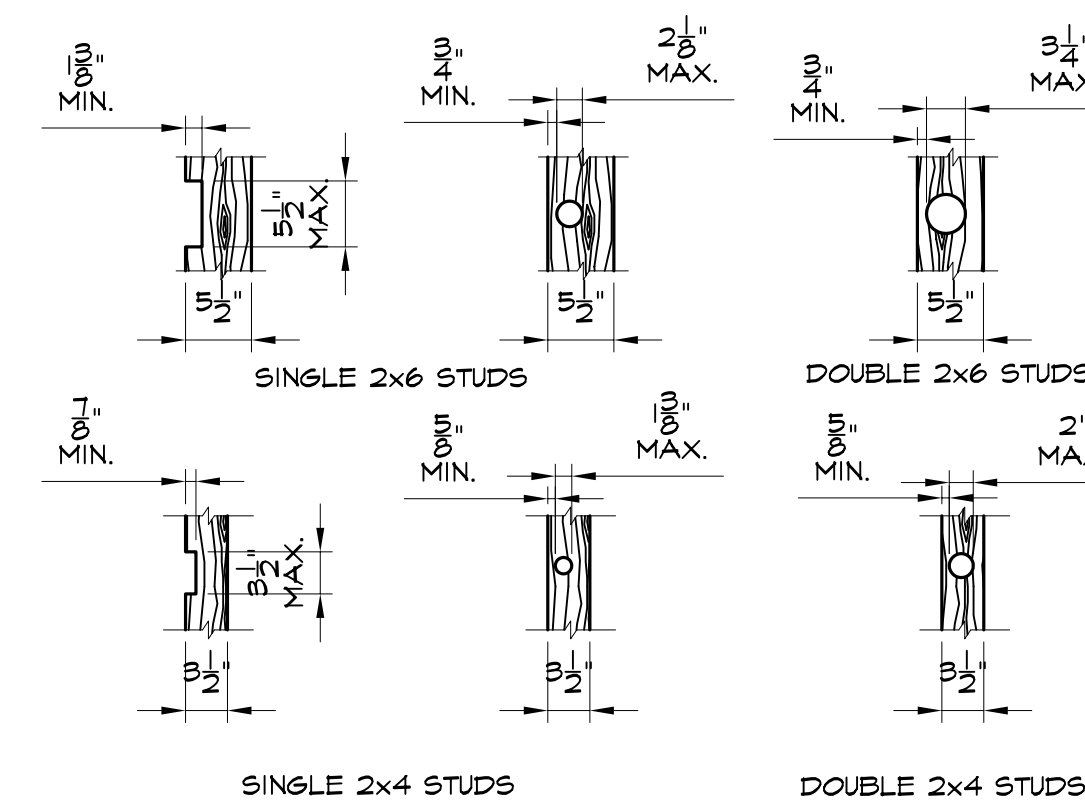
- 10 PERCENT OF LEAST HORIZONTAL DIMENSION OR 0.4h, WHICHEVER IS SMALLER, BUT NOT LESS THAN EITHER 4% OF LEAST HORIZONTAL DIMENSION OR 3 FT (0.9m).
- MEAN ROOF HEIGHT, IN FEET (METERS), EXCEPT THAT EAVE HEIGHT SHALL BE USED FOR ROOF ANGLES < 10°.
- ANGLE OF PLANE OF ROOF FROM HORIZONTAL, IN DEGREES.



CONTINUOUS STEPPED WALL FOOTING



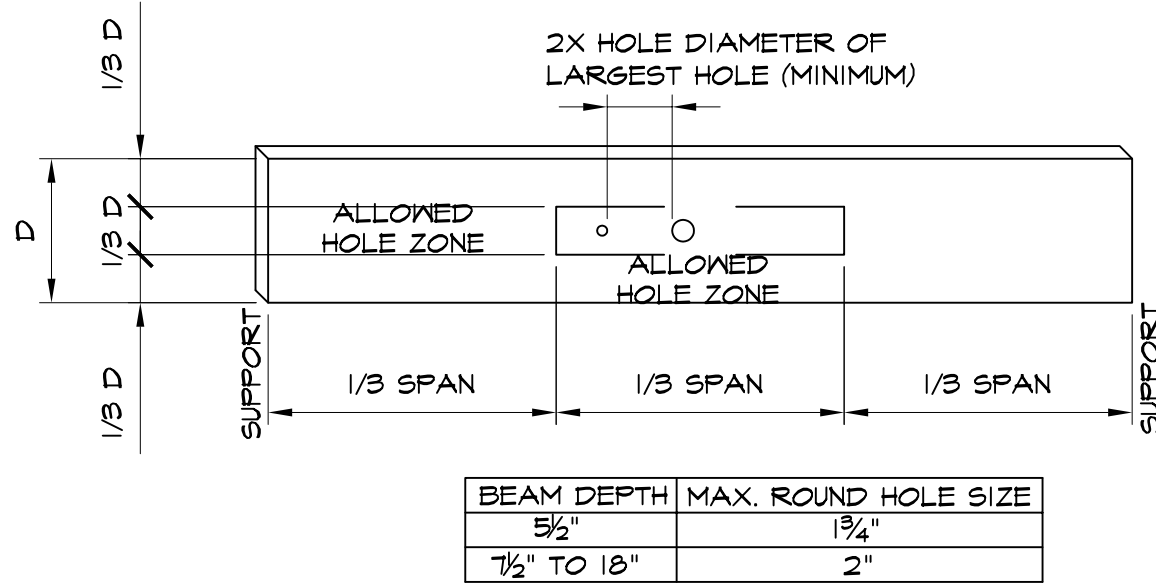
INTERIOR COLUMN FOOTING DETAIL



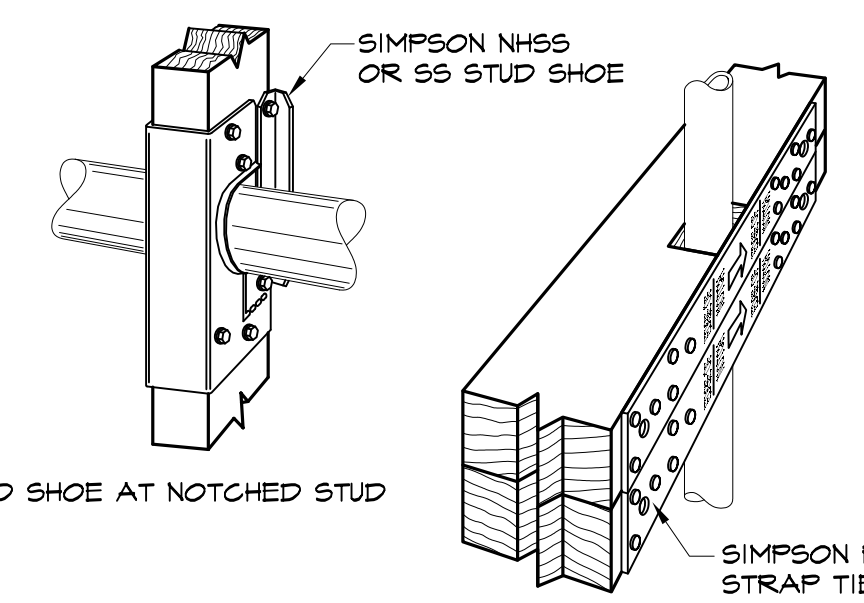
2009 INTERNATIONAL BUILDING CODE
SECTION 2308.9.10 CUTTING AND NOTCHING
IN EXTERIOR WALLS AND BEARING PARTITIONS, ANY WOOD STUD IS PERMITTED TO BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. CUTTING OR NOTCHING STUDS TO A DEPTH NOT GREATER THAN 40 PERCENT OF THE WIDTH OF THE STUD IS PERMITTED IN NON-BEARING PARTITIONS SUPPORTING NO LOADS OTHER THAN THE WEIGHT OF THE PARTITION.

*SECTION 2308.9.11 BORED HOLES
A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH IS PERMITTED TO BE BORED IN ANY WOOD STUD. BORED HOLES NOT GREATER THAN 60 PERCENT OF THE WIDTH OF THE STUD ARE PERMITTED IN NON-BEARING PARTITIONS OR IN ANY WALL WHERE EACH BORED STUD IS DOUBLED, PROVIDED NOT MORE THAN TWO SUCH SUCCESSIVE DOUBLED STUDS ARE SO BORED.
-IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 3/8 INCH TO THE EDGE OF THE STUD.
-BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH

ALLOWABLE HOLES IN WOOD STUDS



ALLOWABLE HOLES IN WOOD BEAMS



TYP. REINFORCING DETAILS NOTCHES & BORINGS BEYOND ALLOWABLE

LOOSE LINTEL SCHEDULE			
OPENING	LINTEL	BEARING EACH END	REMARKS
3'-6" OR LESS	□ 3 1/2 x 3 1/2 x 1/4	4"	---
OVER 3'-6" THRU 5'-6"	□ 4 x 3 1/2 x 1/4	6"	LLV
OVER 5'-6" THRU 7'-6"	□ 6 x 3 1/2 x 1/4	6"	LLV
OVER 7'-6" THRU 9'-6"	□ 6 x 3 1/2 x 3/8	6"	LLV

- NOTES:
- WHERE ANGLE LINTELS ARE REQUIRED, PROVIDE ONE ANGLE FOR EACH 4" OR LESS THICKNESS OF MASONRY.
 - FOR OPENINGS OVER 6'-0", PROVIDE SOLID MASONRY JAMB UNDER LINTEL AT EACH SIDE OF OPENING.
 - LINTELS INDICATED ON PLAN SUPERSEDE THE REQUIREMENTS OF THIS SCHEDULE.
 - ALL EXTERIOR LINTELS SHALL BE HOT DIPPED GALVANIZED.
 - ALL OTHER LINTELS SHALL BE PRIME PAINTED.

STATE OF MAINE
MANTAS VEITAS
PROFESSIONAL ENGINEER

Prepared For:
118 on Munjoy Hill, LLC
118 CONGRESS STREET
PORTLAND, ME 04101

Consultant:
VEITAS VEITAS engineers
68 Granite Street, Suite 10184
Portland, ME 04101
TEL: (207) 772-2405 FAX: (207) 772-2406

Architect:
ARCHETYPE architects
48 Union Wharf Portland, Maine 04101
(207) 772-6022 Fax (207) 772-4056

Project:
118 ON MUNJOY HILL
118 CONGRESS STREET
PORTLAND, MAINE

Revisions:
100% CONSTRUCTION DOCUMENTS

Scale: As indicated

Date: 5 MAR 2014

TYPICAL DETAILS

S2.02