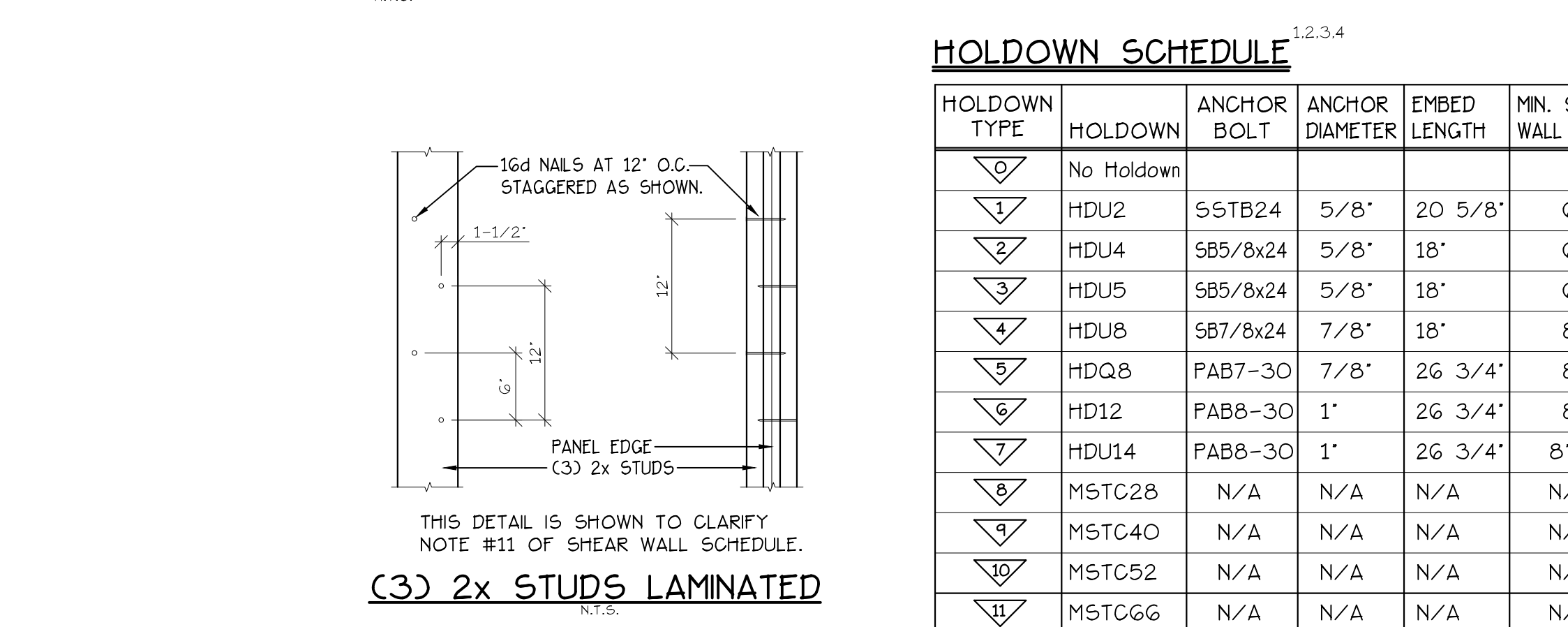
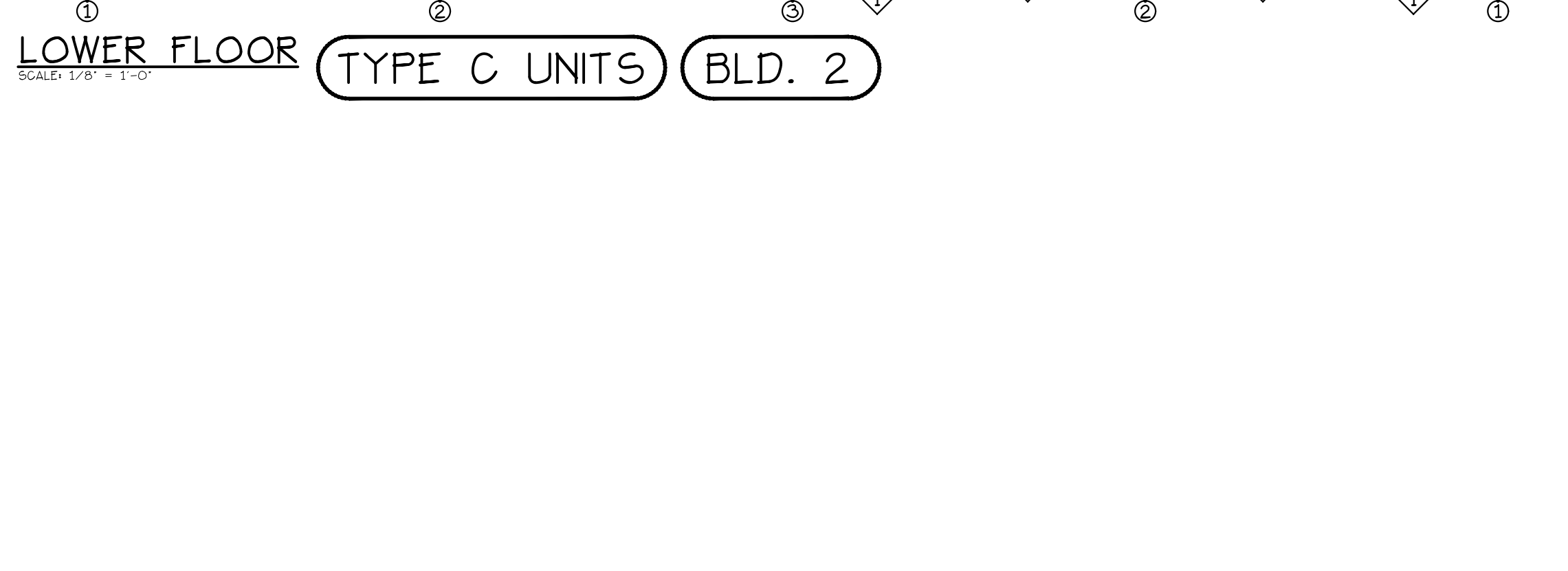
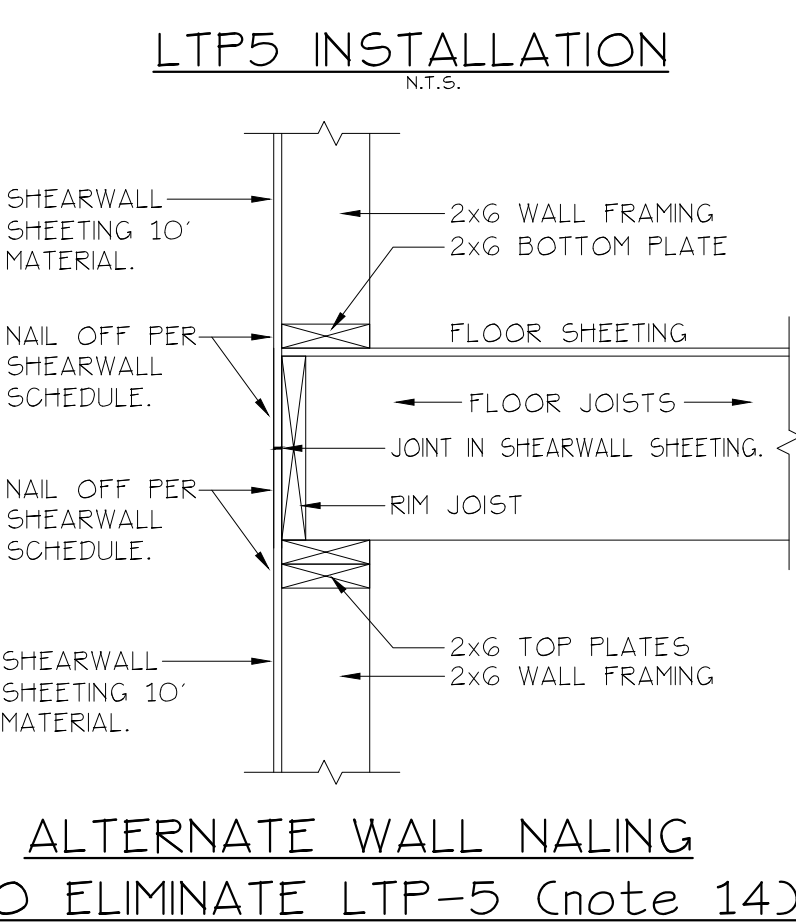




HOLDOWN SCHEDULE ^{1,2,3,4}									
HOLDOWN TYPE	HOLDOWN	ANCHOR BOLT	ANCHOR DIAMETER	EMBED LENGTH	MIN. STEM-WALL WIDTH	WOOD MEMBER	CONNECTION TO WOOD MEMBER	REMARKS	ALLOWABLE LOAD
	No Holdown								
	HDU2	55T24	5/8"	20 5/8"	6"	(2) 2x6 ^G	(6) 1/4"x2-1/2" ⁷	_____	3.075#
	HDU4	55S/8x24	5/8"	18"	6"	(2) 2x6 ^G	(10) 1/4"x2-1/2" ⁷	_____	4.565#
	HDU5	55S/8x24	5/8"	18"	6"	(2) 2x6 ^G	(14) 1/4"x2-1/2" ⁷	_____	5.645#
	HDU8	55T/8x24	7/8"	18"	8"	4x6	(20) 1/4"x2-1/2" ⁷	_____	7.870#
	HDQ8	PAB7-30	7/8"	26 3/4"	8"	4x6	(20) 1/4" x 3" ⁷	_____	9.230#
	HD12	PAB8-30	1"	26 3/4"	8"	6x6	(4) 1" DIA. M.B.	_____	14.220#
	HDU14	PAB8-30	1"	26 3/4"	8"	(1) 6x6	(36) 1/4"x2-1/2" ⁷	_____	14.445#
	MSTC28	N/A	N/A	N/A	N/A	(2) 2x6 ^G	(16) - 16d Sinker	_____	1.540#
	MSTC40	N/A	N/A	N/A	N/A	(2) 2x6 ^G	(32) - 16d Sinker	_____	3.080#
	MSTC52	N/A	N/A	N/A	N/A	(2) 2x6 ^G	(48) - 16d Sinker	_____	4.620#
	MSTCG6	N/A	N/A	N/A	N/A	(2) 2x6 ^G	(64) - 16d Sinker	_____	5.860#

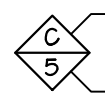


WALL TYPE	STRUCTURAL PANEL SHEATHING	PANEL EDGE NAILING	FIELD NAILING	A 35 CLIP DOUBLE TOP PLATE CONN. ⁵	SILL PLATE CONNECTION (A.B.) ¹⁶		SOLE PLATE ⁵ CONNECTION	SHEAR VALUE (LPF) DOUGLAS FIR	
					1/2" DIA. x 10' LONG	5/8" DIA. x 10' LONG		WIND	SEISMIC
 A	7/16" OSB or 15/32" Plywood	0.131" Dia. x 2.5" Nails at 6' o.c.	0.131" Dia. x 2.5" Nails at 12' o.c.	20" O.C.	3'-8" O.C. ¹⁰	4'-0" O.C. ¹⁰	16d Nails at 6' o.c.	365	260
 B	7/16" OSB or 15/32" Plywood	0.131" Dia. x 2.5" Nails at 4' o.c.	0.131" Dia. x 2.5" Nails at 12' o.c.	15" O.C.	2'-9" O.C. ¹⁰	4'-0" O.C. ¹⁰	16d Nails at 4'-1/2" o.c.	530	380
 C	7/16" OSB or 15/32" Plywood	0.131" Dia. x 2.5" Nails at 3' o.c.	0.131" Dia. x 2.5" Nails at 12' o.c.	11" O.C.	N/A	2'-9" O.C. ¹⁰	16d Nails at 3'-1/2" o.c.	685	490
 D	15/32" Plywood ¹¹	0.148" Dia. x 3" Nails at 3' o.c.	0.148" Dia. x 3" Nails at 12' o.c.	9" O.C.	N/A	2'-4" O.C. ¹⁰	(2) Rows 16d Nails at 6' o.c.	840	600
 E	15/32" Plywood ¹¹	0.148" Dia. x 3" Nails at 2' o.c.	0.148" Dia. x 3" Nails at 12' o.c.	7" O.C.	N/A	1'-9" O.C. ¹²	N/A	1,075	770
 F	1/2" GWB MIN.	5d cooler nails at 4' o.c.	5d cooler nails at 12' o.c.	24" O.C.	4'-0" O.C.	4'-0" O.C.	16d Nails at 6' o.c.	125	125
 G	1/2" GWB MIN.	#6x1-1/4" screws 4' o.c. (blocked)	#6x1-1/4" screws 12' o.c.	24" O.C.	4'-0" O.C.	4'-0" O.C.	16d Nails at 6' o.c.	160	160

Notes:

- Block all edges of sheathing.
- Do not break sheathing skin by over driving nails.
- Pre-drill as required to avoid splitting sills, etc.
- Nails should be located 3/8" clear of panel edges.
- Use Simpson A35 clips to attach blocking to top plate at floor line. At roof line use Simpson H-1 clips at each truss (C.O.N.).
- Values of other standard construction fasteners will require spacing adjustments and must be approved by the engineer-of-record.
- Use hot dipped galvanized nails at all exterior applications.
- C-D, C-C sheathing, plywood panels siding, and other grades covered in APA Plywood Design Specification.

- Sheathing face grain can be applied perpendicular or parallel to wall studs, provided studs are spaced a maximum of 16" o.c.
- 3"x3"x1/4" washer required on A.B. with 2x 3x sill plates.
- Framing at adjoining panel edges shall be (C) 2x studs laminated (see detail this sheet).
- Min. 3" nominal sill plate w/ 3"x3"x1/4" washers.
- Sheath entire wall (above + below) windows and doors) according to shearwall schedule. Use of 3"x3"x1/4" washers are required on all anchor bolts for these walls.
- Install LTP5 when required at 32" o.c. per detail.
- All wood members must be "Douglas Fir".
- All walls not designated as shearwalls to have 1/2"x10" anchor bolts at 4'-0" o.c. maximum.
- Interior shearwall to extend to roof sheathing via truss or blocking panels.



Shearwall Type C

Hold-down Type E

GENERAL STRUCTURAL NOTES

CODE:

A. All materials and workmanship shall conform to the requirements of the State of Oregon 2019 Structural Specialty Code.

DESIGN LOADS:

A. Roof Dead Load	=	17 psf
R. Roof live load	=	20 psf
B. Floor Dead Load	=	20 psf
Floor live load	=	40 psf
C. Flat roof snow Load	=	12.6 p.s.f.
D. Exposure factor	=	$C_e = 0.9$
E. Thermal factor	=	$C_t = 1.0$
F. Importance Factor	=	$I_s = 1.0$

GENERAL:

A. Contractor shall be responsible for all construction methods, techniques, sequencing and safety required to complete construction.

B. Contractor shall verify all dimensions and details prior to proceeding with construction. All discrepancies shall be approved by the Architect of Engineer of record.

C. Contractor shall verify all required openings on Architectural, Mechanical and Electrical plans.

FOUNDATION:

A. Footings have been designed for a maximum allowable soil bearing pressure of 2000 psf. (Geotech Report).

B. All Footings shall be poured against undisturbed soil unless otherwise noted. (See Geotech report for soil condition and requirements).

CONCRETE:

A. All structural concrete shall develop a unit compressive stress of 2500 psi minimum at 28 days per C.S.S.C. section 1904.1.

REINFORCING STEEL:

A. All reinforcing steel shall be ASTM A615, Grade 60 rail steel deformed bars conforming to ASTM A706, Grade 60 bars where welding is required.

B. Details of reinforcing steel shall conform to ASTM Manual of Standard Practice, Code of Standard Practice for Detailing Reinforcing Materials, by CRSI and WCRSI (latest Edition).

C. All concrete slab reinforcing steel shall be supported at the required heights by approved bolsters prior to pouring slab concrete.

REINFORCING PROTECTION:

A. Concrete deposited against earth = 3 inches

B. Concrete formed surfaces exposed to ground or weather:
#5 rebar and smaller = 1-1/2 inches

C. Slabs = 3/4 inches.

STRUCTURAL WOOD:

A. All structural wood members shall conform to the National Design Specifications for Stress Grade lumber and its fastenings.

Post and Beam 1st floor framing = Douglas Fir No. 2 or better.

Floor Joists and Headers = Douglas Fir No. 2 Unless noted otherwise.

Stud walls = Douglas Fir stud U.N.O.

(Use of Hem-Fir of Mix shall be acceptable only with approval from the engineer)

B. The Contractor shall furnish and install all bolts, and plates as required to complete the job.

C. Washers shall be used under all bolt heads and nuts bearing on wood.

D. All wood members in contact with concrete or masonry shall be pressure treated.