

CASCADE LIBRARY ADDITION 105 N. FRONT ST., CASCADE, IDAHO

STRUCTURAL NOTES:

14. LAP REINFORCING BARS ACCORDING TO THE FOLLOWING, UNLESS INDICATED OTHERWISE:

- 15. SPLICE TOP BARS IN GRADE BEAMS NEAR MIDSPAN, BOTTOM BARS NEAR SUPPORTS. 16. WELDING OF REINFORCING BARS IS NOT PERMITTED UNLESS SPECIFICALLY DETAILED. 17. REINFORCE OPENING HEADS, JAMBS & SILLS WITH (2) #5 BAR. EXTEND EACH END OF EACH BAR
- 19. REINFORCE CONCRETE SLABS ON DECK WITH 13x13-D5xDF. PLACE WWF 1 1/2" BELOW TOP OF SLAB USING METAL POSITIONER DEVICES. LAP WWF ONE FULL MESH AT SPLICES.
- 20. TIE DOWELS IN PLACE BEFORE PLACING CONCRETE. DO NOT STAB OR WET-SET DOWELS. ASTM C1116, FIBRILLATED POLYPROPYLENE
 - HILTI "QUICK BOLT II" OR EQUIVALENT
 - SIMPSON "SET" OR EQUIVALENT
- 1. DIMENSION LUMBER (GRADED BY WESTERN WOOD PRODUCTS ASSOCIATION (WWPA) OR WEST
- 2. ALL NAILS SPECIFIED ARE TO BE COMMON WIRE NAILS, UNLESS NOTED OTHERWISE
- PROVIDE HEADERS FOR OPENINGS IN WALLS ACCORDING TO THE FRAMING PLAN 5. FRAMING CONNECTORS, ANCHORS, AND HANGERS SHOWN ON THE DRAWINGS ARE THE PRODUCTS OF SIMPSON STRONG-TIE COMPANY (OR EQUIVALENT), SAN LEANDRO, CALIFORNIA AND ARE DESIGNATED BY MANUFACTURER'S STANDARD PRODUCT NUMBERS. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND USE.
- WALL SHEATHING: 7/16" APA RATED SHEATHING, PANEL RATING 24/16, ATTACH WITH 16 GAUGE x 1 1/2" STAPLES AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE FRAMING, U.N.O. ALL
- ROOF SHEATHING: 19/32" APA RATED SHEATHING, PANEL RATING 40/20, ATTACH WITH 10d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE FRAMING, OR USE 1-1/2"x16 GAUGE 8. FLOOR SHEATHING: 7/8" APA RATED SHEATHING, PANEL RATING 48/24, ATTACH WITH 10d NAILS
- AT 6" O.C. AT PANEL EDGES AND 12" O.C. AT INTERMEDIATE FRAMING, U.N.O.
- LAMINATED VENEER LUMBER, AND PARALLEL-STRAND LUMBER) SHOWN ON THE DRAWINGS ARE THE PRODUCTS OF WEYERHAUSER (OR EQUIVALENT) AND ARE DESIGNATED BY THE MANUFACTURER'S STANDARD PRODUCT NUMBERS. THE INTENT OF THE DESIGN IS FOR THESE ITEMS TO BE ATTACHED TO EACH OTHER AND TO THE SURROUNDING STRUCTURE TO BEHAVE
- STIFFENERS, STRAPS, ETC.), DESIGNED BY THE MANUFACTURER, FOR A COMPLETE SYSTEM. FOLLOW ALL MANUFACTURER'S RECOMMENDATIONS FOR INSTALLATION AND USE.

- 11.3 PARALLEL STRAND LUMBER: ASTM D2559 Fb: 2900 PSI
- Fv: 290 PSI
- Fc: 2900 PSI
- E: 2.0E6 PSI 12. PREFABRICATED WOOD TRUSSES SHALL CONFORM TO THE TRUSS PLATE INSTITUTE DESIGN SPECIFICATION FOR METAL-PLATE-CONNECTED WOOD TRUSSES.
- 12.1. TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER TO SUPPORT ALL INDICATED LOADS. TRUSS LOADING:
 - TOP CHORD DL: 7 PSF
 - TOP CHORD LL: (SEE LIVE / SNOW LOADS IN SECTION A) BOTTOM CHORD DL: 10 PSF
 - BOTTOM CHORD LL: 10 PSF (DOES NOT ACT CONCURENT WITH TOP CHORD LL)
- 12.2. MEMBER PROPERTIES: CHORDS SHALL BE #2 DOUG FIR LARCH OR BETTER; WEBS SHALL HAVE MINIMUM MODULUS OF ELASTICITY OF 1,500,000 PSI 12.3. ALL TRUSS BLOCKING SHALL BE PROVIDED BY TRUSS MANUFACTURER AND CONSTRUCTED
- WITH APPROVED PLATES. 12.4. TRUSS PROFILES SHOWN ARE REPRESENTATIONS OF POSSIBLE CONFIGURATIONS OF WEB LOCATIONS AND MEMBER SIZES. TRUSS MANUFACTURE SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL. ALL TRUSSES SHALL BE STAMPED AND SEALED BY A
- PROFESSIONAL ENGINEER REGISTERED IN THE STATE THE PROJECT RESIDES IN. 12.5. TRUSS MANUFACTURER SHALL PROVIDE PROOF OF THIRD PARTY INSPECTION AS
- REQUIRED BY IBC SECTION 2303.4.
- 12.6. IN ADDITION TO LOADS SPECIFIED ELSEWHERE, DESIGN PREFABRICATED WOOD TRUSS BOTTOM CHORDS FOR 10 PSF DEAD LOAD 12.7. DRILL LAG BOLT LEAD HOLES TO MATCH THE LAG BOLT SHANK DIAMETER AND HALF THE
- SHANK DIAMETER FOR THE THREADED PORTION.

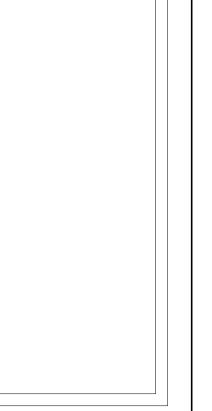
E. MISCELLANEOUS

- ELEVATIONS REFERENCE MAIN FLOOR ELEVATION, SET AT 0'-0".
- 2. COORDINATE OPENINGS AND EMBEDDED ITEMS NOTED ON ALL CONSTRUCTION DOCUMENTS WITH APPROPRIATE TRADES. 3. BEFORE FABRICATION. HAVE SHOP DRAWINGS REVIEWED BY ARCHITECT AND/OR ENGINEER.
- 4. TEMPORARILY BRACE THE STRUCTURE TO RESIST ALL LOADS OR COMBINATIONS OF LOADS UNTIL ALL PERMANENT ELEMENTS ARE IN PLACE AND ALL CONNECTIONS ARE COMPLETE.

F SPECIAL INSPECTIONS

- 1. SPECIAL INSPECTIONS AS REQUIRED IN IBC CHAPTER 17, SECTION 1705, IS REQUIRED AS NOTED FOR THE FOLLOWING ITEMS IF PRESENT IN PROJECT. THE CONTRACTOR SHALL PROVIDE MINIMUM OF 48 HOURS NOTICE TO THE SPECIAL INSPECTOR PRIOR TO INSPECTION.
- 2. CONCRETE: 2.1 NOT REQUIRED, SEE IBC SECTION 1705.3, ITEM 2.3. CONCRETE DESIGN BASED ON 2500 PSI COMPRESSIVE STRENGTH.
- 3. BOLTS INSTALLED IN CONCRETE:
- 3.1 PROVIDE SPECIAL INSPECTION FOR EPOXY ANCHORS 4. STRUCTURAL STEEL:
- 4.1 PROVIDE SPECIAL INSPECTION PER IBC SECTION 1705.12.1.1 AND AISC 360 OR AISC 341 (FOR SEISMIC CONTROLLED DESIGN) 5. STRUCTURAL WOOD:
- 5.1 PROVIDE SPECIAL INSPECTION PER IBC SECTION 1705.5.2 FOR METAL PLATED WOOD TRUSSES SPANNING 60 FEET OR GREATER IF PRESENT.

ES:	SHEET INDEX:	
AT JOBSITE () TO I. BEGINNING NSIONS SHALL HICKNESS OF S ARE EITHER ENTERLINE OF	S0.0GENERAL STRUCTURAL NOTESS0.1STRUCTURAL SCHEDULESS1.0FOUNDATION PLANS2.0SHEAR WALL / HEADER PLANS5.0ROOF FRAMING PLANSD1.0FOUNDATION DETAILSSD2.0FRAMING DETAILS	A/C AIR CONDITIONER EW BLDG BUILDING EXI BLKG BLOCKING EXF BM BEAM FDN BOT BOTTOM FIN BRG BEARING FLF BTWN BETWEEN FTC CL CENTERLINE FUF CANT CANTILEVER FX CLR CLEAR GLE
DRAWINGS 18 IRC. ALL ANS ARE TO		CMUCONCRETE MASONRY UNITHDICOCASED OPENINGHOICOLCOLUMNLONCONCCONCRETELSLCONNCONNECTION/CONNECTORLVL
TATE AND		CONTCONTINUE/CONTINUOUSMINCONTR JTCONTRACTION JOINTOCCOV'DCOVEREDOSIDFDOUGLAS FIRPAF
FEES, PERMITS ING AGENCY.		DBLDOUBLEPEEAEACHPEIELEVELEVATIONPEI
NED NEATLY		NOTE: THIS IS A STANDARD LIST. SOME OF TH



G MASONRY

- 1. MASONRY CONSTRUCTION SHALL CONFORM TO IBC. ALLOWABLE STRESSES USED IN MASONRY ARE BASED ON IBC REQUIREMENTS FOR SPECIAL INSPECTIONS AND PRISM TESTING.
- MASONRY UNITS: ASTM C90, N, TYPE I MORTAR ASTM C270, TYPES
- MASONRY ASSEMBLIES:

fm OF MASONRY ASSEMBLY	COMPRESSIVE STRENGTH OF CMU	GROUT STRENGTH ASTM C476
1500 PSI	1900 PSI	2000 PSI
2500 PSI	3750 PSI	3750 PSI

- PROVIDE VERTICAL REINFORCING #5 @ 32" O.C. (U.N.O.) GROUT CELLS W/ REINF
- PROVIDE BOND BEAMS @ 48" O.C. (STARTING @ FLOOR GOING UP) & REINFORCE W/ (2) #5 BARS UNLESS INDICATED OTHERWISE. GROUT BOND BEAM FOR ENTIRE LENGTH OF WALL.
- REINFORCE ALL JAMB CELLS & END CELLS TO MATCH TYPICAL WALL REINFORCING REINFORCE ALL CORNER & TEE CELLS PER CMU DETAIL.
- SECURE REINFORCEMENT AGAINST DISPLACEMENT USING BAR POSITIONER DEVICES AT 48" O.C.
- PROVIDE MASONRY LINTELS AS SCHEDULED AT OPENINGS EXCEEDING 24" IN WIDTH. PROVIDE MATCHING DOWL BARS FROM FOUNDATION FOR ALL VERTICAL WALL REINFORCEMENT, U.N.O. SPLICE REINFORCING BARS BY LAPPING 40 BAR DIAMETERS MINIMUM. PROVIDE CORNER BARS AT WALL
- TRANSITIONS & INTERSECTION.

ABBREVIATIONS:

ST ST N R R R R R R R R R R R R R C R P	EACH WAY EXISTING EXPANSION FOUNDATION FINISHED FLOOR FOOTING FURNACE FIXED GLULAM BEAM HEADER HORIZONTAL LONGITUDINAL LAMINATED STRAND LUMBER LAMINATED VENEER LUMBER MINIMUM ON CENTER ORIENTED STRAND BOARD PARALLEL PRE-ENGINEERED PEDESTAL PERPENDICULAR	PSL PT REINF REF REQD RI SL SH STD STIFF T&G TO TRANS TYP VERT W/ W/H WS W/O	REFRIGERATOR REQUIRED ROUGH IN SLIDING SINGLE HUNG STANDARD

IE LISTED ABBREVIATIONS MAY NOT APPEAR IN THE DRAWINGS FOR THIS PROJECT.

REV DATE DATE DESCRIPTION BY CASCADE LIBRARY ADDITION 1 8/16/23 ISSUED FOR APPROVAL/ VAL 105 N. FRONT ST. 105 N. FRONT ST. 1 8/16/23 ISSUED FOR APPROVAL/ VAL 105 N. FRONT ST. 105 N. FRONT ST. 1 1 1 1 1 CASCADE IDAHO IDAHO IDAHO IDAHO IDAHO IDAHO		InteFra 15 11th A NAMPA, PH. (20	ve. S, S	Suite 1 8365	00
CASCADE LIBRARY ADDITION REV DATE 105 N. FRONT ST. 105 N. FRONT ST. 1 8/16/23 ISSUEDFOF 105 N. FRONT ST. 105 N. FRONT ST. 1 <th>ΒY</th> <th>VAL</th> <th></th> <th></th> <th></th>	ΒY	VAL			
CASCADE LIBRARY ADDITION 105 N. FRONT ST. ENERAL STRUCTURAL NOTES		1 8/16/23 ISSUED FUK APPKUVAL/ CONSTRUCTION			
			105 N. FRONT ST.		

© COPYRIGHT 2023

THIS PLAN FOR BASIS OF IDEAS IS

All Connections shall conform to this table, unless noted otherwise in the structural notes, drawings, or details contained in this plan set. Refer to IBC Table 2304.10.2

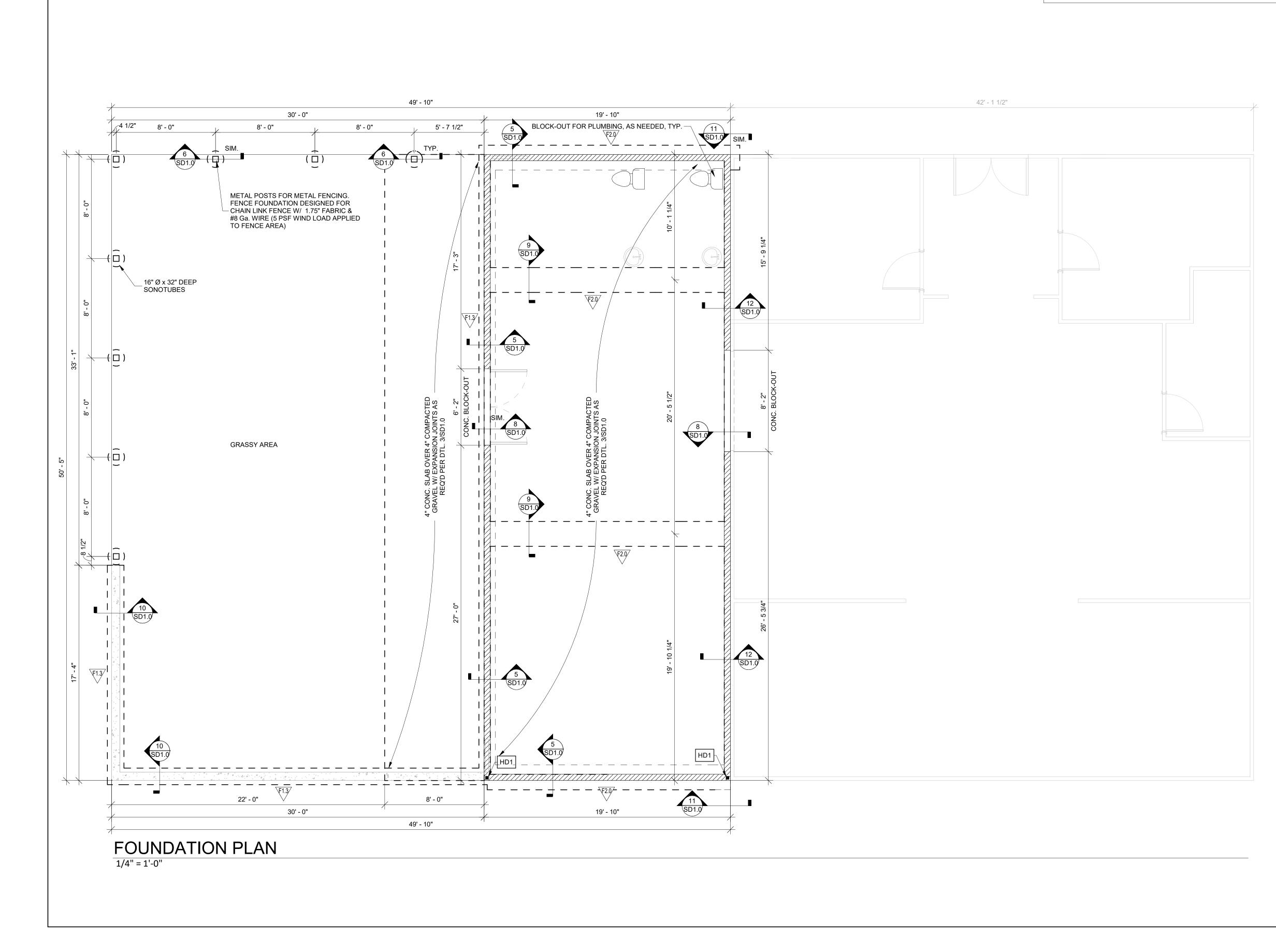
No.	Description of Building Element	No. and Type of Fastener	Spacing and Location	No.	Description of Building Element	No. and Type of Fastener	Spacing and Location
	Blocking between ceiling joists, rafters or trusses to top plate or other framing below	 (4) 8d box (0.113"x2 1/2") (3) 8d common (0.131"x2 1/2") (3) 10d box (0.128"x3") (3) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown (2) 8d common (0.131"x2 1/2") 	Ea. End; Toenail	20.	1" × 8" and wider sheathing to each bearing	(3) 8d common (0.131"x2 1/2") (3) 8d box (0.113"x2 1/2") (3) 10d box (0.128"x3") (3) 1 3/4"x16 ga. Staples, 1" crown <u>Wider than 1"x8"</u> (3) 8d common (0.131"x2 1/2")	Face Nail
1.	Blocking between rafters or truss not at the wall top plate, to rafter or truss	(2) 0.131"x3" nails (2) 3"x14 ga. staples (2) 16d common (0.162"x3 1/2") (3) 0.131"x3" nails	Ea. End; Toenail End Nail			(4) 8d box (0.113"x2 1/2") (3) 10d box (0.128"x3") (4) 1 3/4"x16 ga. Staples, 1" crown (4) 8d box (0.113"x2 1/2")	
	Flat blocking to truss and web filler	(2) 3"x14 ga. staples 16d com. (0.162"x3 1/2") @ 6" o.c. 0.131"x3" nails @ 6" o.c. 3"x14 ga. Staples @ 6" o.c.	Face Nail	21.	Joist to sill, top plate, or girder	(3) 8d common (0.131"x2 1/2") (3) 10d box (0.128"x3") (3) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown	Toenail
2.	Ceiling Joists to Top Plate	 (4) 8d box (0.113"x2 1/2") (3) 8d common (0.131"x2 1/2") (3) 10d box (0.128"x3") (3) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown 	Each Joist, Toenail	22.	Rim joist, band joist, or blocking to top plate, sill or other framing below	8d box (0.113"x2 1/2") 8d common (0.131"x2 1/2") 10d box (0.128"x3") 0.131"x3" nails 3"x14 ga. Staples, 7/16" crown	4" o.c. toenail 6" o.c. toenail
3.	Ceiling joist not attached to parallel rafter, laps over partitions (no thrust) (see IBC Section 2308.7.3.1, IBC Table 2308.7.3.1)	(3) 16d common (0.162"x3 1/2")	Face Nail	23.	1" × 6" subfloor or less to each joist	(3) 8d box (0.113"x2 1/2") (2) 8d common (0.131"x2 1/2") (3) 10d box (0.128"x3") (2) 1 3/4"x16 ga. Staples, 1" crown	Face Nail
4.	Ceiling joist attached to parallel rafter (heel joint) (see Section 2308.7.3.1, Table 2308.7.3.1)	See IBC Table 2308.7.3.1	Face Nail	24.	2" subfloor to joist or girder 2" planks (plank & beam -	(3) 16d box (0.135"x3 1/2") (2) 16d common (0.162"x3 1/2") (3) 16d box (0.135"x3 1/2")	Blind and face nail
5.	Collar Tie to Rafter	(3) 10d common (0.148"x3") (4) 10d box (0.128"x3") (4) 0 121"x2" pails	Face Nail	25.	floor & roof)	(2) 16d common (0.162"x3 1/2") 20d common (0.192"x4")	Each bearing, face nail 32" o.c., face nail top and bot. staggered on opp side
		(4) 0.131"x3" nails (4) 3"x14 ga. staples 7/16" Crown (3) 10d common (0.148"x3")				10d box (0.128"x3") 0.131"x3" nails	24" o.c. face nail top and bot. staggered on opp.
6.	Rafter or roof truss to top plate (See Section 2308.7.5, Table 2308.7.5)	(3) 16d box (0.135"x3 1/2") (4) 10d box (0.128"x3") (4) 0.131"x3" nails (4) 3"x14 ga. staples 7/16" Crown	(2) toenails on one side and(1) toenail on opposite side or rafter or truss	26.	Built-up girders and beams, 2" lumber layers	3"x14 ga. Staples, 7/16" crown <u>AND:</u> (2) 20d common (0.192"x4") (3) 10d box (0.128"x3")	Sides Ends and at each splice,
7.	Roof rafters to ridge valley or hip rafters; or roof rafter	(2) 16d common (0.162"x3 1/2") (3) 16d box (0.135"x3 1/2") (3) 10d box (0.128"x3") (3) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown	End Nail	27.	Ledger Strip Supporting Joists or Rafters	(3) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown (3) 16d common (0.162"x3 1/2") (4) 16d box (0.135"x3 1/2") (4) 10d box (0.128"x3")	face nail Each Joist or Rafter, Face Nail
	to 2-inch ridge beam	 (3) 10d common (0.148"x3") (4) 16d box (0.135"x3 1/2") (4) 10d box (0.128"x3") (3) 0.131"x3" nails (4) 3"x14 ga. staples 7/16" Crown 	Toenail	28.	Joist to band joist or rim	(4) 0.131"x3" nails (4) 3"x14 ga. staples 7/16" Crown (3) 16d common (0.162"x3 1/2") (4) 10d box (0.128"x3") (3) 0.131"x3" nails	End Nail
8.	Stud to stud (not at braced wall panels)	16d common (0.162"x3 1/2") 10d box (0.128"x3") 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown	24" o.c. face nail 16" o.c. face nail	29.	joist Bridging or blocking to joist, rafter or truss	(4) 3"x14 ga. staples 7/16" Crown (2) 8d common (0.131"x2 1/2") (2) 10d box (0.128"x3") (2) 0.131"x3" nails	Each end, toenail
9.	Stud to stud and abutting studs at intersecting wall corners (at braced wall panels)	16d common (0.162"x3 1/2") 16d box (0.135"x3 1/2") 0.131"x3" nails	16" o.c. face nail 12" o.c. face nail			(2) 3"x14 ga. Staples, 7/16" crown	
10.	Built-up header (2" to 2" header)	(3) 3"x14 ga. staples 7/16" Crown 16d common (0.162"x3 1/2") 16d box (0.135"x3 1/2")	16" o.c. each face, face nail 12" o.c. each face, face nail				
11.	Continuous header to stud	(4) 8d common (0.131"x2 1/2") (4) 10d box (0.128"x3") (5) 8d box (0.113"x2 1/2")	Toenail				
12.	Top plate to top plate	16d common (0.162"x3 1/2") 10d box (0.128"x3") 0.131"x3" nails 3"x14 ga. staples 7/16" Crown	16" o.c. face nail 12" o.c. face nail				
13.	Top plate to top plate, at end joints	 (8) 16d common (0.162"x3 1/2") (12) 16d box (0.135"x3 1/2") (12) 10d box (0.128"x3") (12) 0.131"x3" nails (12) 3"x14 ga.staples 7/16" Crown 	Each side of end joint, face nail (minimum 24" lap splice length each side of end joint)				
14.	Bottom plate to joist, rim joist, band joist or block-ing (not at braced wall panels)	16d common (0.162"x3 1/2") 16d box (0.135"x3 1/2") 0.131"x3" nails 3"x14 ga. staples 7/16" Crown	16" o.c. face nail 12" o.c. face nail				
15.	Bottom plate to joist, rim joist, band joist or block-ing at braced wall panels	(2) 16d common (0.162"x3 1/2") (3) 16d box (0.135"x3 1/2") (4) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown	16" o.c. face nail				
16.	Stud to top or bottom	 (3) 16d box (0.135"x3 1/2") (4) 8d common (0.131"x2 1/2") (4) 10d box (0.128"x3") (4) 0.131"x3" nails (4) 8d box (0.113"x2 1/2") (4) 3"x14 ga. staples 7/16" Crown 	Toenail				
5.	plate	(2) 16d common (0.162"x3 1/2") (3) 16d box (0.135"x3 1/2") (3) 10d box (0.128"x3") (3) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown	End Nail				
17.	Top plates, laps at corners and intersections	(2) 16d common (0.162"x3 1/2") (3) 10d box (0.128"x3") (3) 0.131"x3" nails (3) 3"x14 ga. staples 7/16" Crown	Face Nail				
18.	1" brace to each stud and plate	(3) 8d box (0.113"x2 1/2") (2) 8d common (0.131"x2 1/2") (2) 10d box (0.128"x3") (2) 0.131"x3" nails (2) 3"x14 ga. Staples, 7/16" crown	Face Nail				
19.	1" × 6" sheathing to each bearing	 (3) 8d box (0.113"x2 1/2") (2) 8d common (0.131"x2 1/2") (2) 10d box (0.128"x3") (2) 1 3/4"x16 ga. Staples, 1" crown 	Face Nail				

MATERIAL PROPERTIES

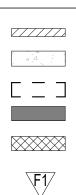
ALL BUILDING MATERIALS MUST MEET THE FOLLOWING MINIMUM PROPERTIES UNLESS NOTED OTHERWISE ON PLAN OR STRUCTURAL NOTES: DOUGLAS FIR-LARCH ("DF" OR "DF-L" ON PLAN) 2"-4" WIDE, PSI (SEE 2018 NDS SUPPLIMENT)

DOOGLAGTIN				N) Z -4 V	VIDE, I O				N ()	
		GRADE:	Fb	Ft	Fv	Fc Perp	Fc	E min	E	
		DF-L SS	1500	1000	180	625	1700	690,000	1,900,000	
		DF-L #1&BTR	1200	800	180	625	1550	660,000	1,800,000	
		DF-L #1	1000	675	180	625	1500	620,000	1,700,000	
		DF-L #2	900	575	180	625	1350	580,000	1,600,000	
DOUGLAS FIR-	-LARCH	I ("DF" OR "DF-L"	ON PLA	N) 5"+Wll	DE, PSI (SEE 2018	NDS SU	JPPLIMEN ⁻	Г)	
	S	GRADE:	Fb	Ft	Fv	Fc Perp	Fc	E min	E	
	BEAMS & STRINGERS	DF-L SS	1600	950	170	625	1100	580,000	1,600,000	
	MAN NO	DF-L #1 DENSE	1550	775	170	730	1100	620,000	1,700,000	ALL SAWN LUMBER IS
	BE	DF-L #1	1300	675	170	625	925	580,000	1,600,000	ASSUMED TO BE DF #2
		DF-L #2	875	425	170	625	600	470,000	1,300,000	UNLESS NOTED OTHERWISE ON PLAN
		GRADE:	Fb	Ft	Fv	Fc Perp	Fc	E min	E	
	POSTS & TIMBERS	DF-L SS	1500	1000	170	625	1150	580,000	1,600,000	
	ABE	DF-L #1 DENSE	1400	950	170	730	1200	620,000	1,700,000	
		DF-L #1	1200	825	170	625	1000	580,000	1,600,000	
		DF-L #2	750	475	170	625	700	470,000	1,300,000	
	ENEER	LUMBER ("LVL" (ON PLAN	I), PSI						
		GRADE:	Fb	Ft	Fv	Fc Perp	Fc	E min	E	
		2.0E-2800	2800	1950	285	750	3000	1,016,535	2,000,000	
		2.0E-3100	3100	1950	285	750	3000	1,016,535	2,000,000	ALL LVL USED FOR
		2.0E-2600	2600	1895	285	750	2510	1,016,535	2,000,000	BEAMS SHALL BE MIN. 2.0E-2600 U.N.O.
		1.7E-2650	2650	1500	285	750	3000	900,000	1,700,000	ON PLAN
		1.7E-2400	2400	1500	285	750	3000	900,000	1,700,000	
		1.4E-1800	1800	1100	285	525	2500	700,000	1,400,000	
PARALLEL STR	RAND L	UMBER ("PSL" O	N PLAN)	, PSI						
		GRADE:	Fb	Ft	Fv	Fc Perp	Fc	E min	Е	
		1.8E	2400	1995	190	545	2500	914,880	1,800,000	
		2.0E	2900	2300	290	625	2900	1,016,535	2,000,000	
LAMINATED ST	FRAND	LUMBER ("LSL" (ON PLAN	I), PSI						
		GRADE:	Fb	Ft	Fv	Fc Perp	Fc	E min	E	
		1.3E	1700	1300	425	710	1835	660,750	1,300,000	LSL USED FOR STUDS SHALL BE
		1.3E (PLANK)	1900	1300	150	670	1835	660,750	1,300,000	1.55E GRADE MIN.
1.55E 2325 1290 265 900 2170 787,815 1,550,000										
GLUE LAMINA	TED TIN	IBER (GLB OR G	ilulam),	PSI (SEE	E 2018 N	DS SUPPI	LIMENT)	,		
		GRADE:	Fb	Ft	Fv	Fc Perp	Fc	E min	E	
		24F-V4-1.8E	2400	1100	265	650	1650	950,000	1,800,000	
			-1850 F0	OR NEGA	TIVE BE	NDING				

THIS PLAN FOR BASIS OF IDEAS IS THE PROPERTY OF PERFORMANCE ENGINEERS. ANY FORM OF DUPLICATING OR USE OF ALL OR ANY PLANS, DRAWINGS AND DESIGNS IS PROHIBITED. © COPYRIGHT 2023
PERFORMANCE R G I N E E R S
An InteFrame Company 315 11th Ave. S, Suite 100 NAMPA, IDAHO 83651 PH. (208) 475-0040
Image: marked black in the imarked black in the image: marked black in the image: mar
Image: Sign review The sign review Image: Sign review The sign review <td< th=""></td<>



	HOLDOWN SCHEDULE										
MARK	STRAP TYPE	STRAP FASTENERS	# OF STUDS		ANCHOR BOLT	# OF STUDS	FASTENERS				
HD1	LSTHD8 OR LSTHD8RJ w/ RIM	(20) 16d SINKERS	2	OR	DTT2Z w/ 1/2"Øx10"	2	(8) 1/4" x 1-1/2" SDS				
HD2	STHD10 OR STHD10RJ w/ RIM	(24) 16d SINKERS	2	OR	HDU2-SD2.5 w/ SB5/8x24 (PAB5 @ INT. PONY WALLS)	2	(6) 1/4" x 2-1/2" SDS				
HD3	STHD14 OR STHD14RJ w/ RIM	(30) 16d SINKERS	2	OR	HDU5-SD2.5 w/ SB5/8x24 (PAB5 @ INT. PONY WALLS)	2	(14) 1/4" x 2-1/2" SDS				
HD4	-	-	-		HDU8-SD2.5 w/ SB7/8x24 (PAB7 @ INT. PONY WALLS)	3	(20) 1/4" x 2-1/2" SDS				
HD5	-	-	-		HDU11-SD2.5 w/ SB1x30 (PAB8 @ INT. PONY WALLS)	4	(30) 1/4" x 2-1/2" SDS				
HD6	-	-	-		HDU14-SD2.5 w/ SB1x30 (PAB8H @ INT. PONY WALLS)	4	(36) 1/4" x 2-1/2" SDS				
HD7	-	-	-		HD19-SDS2.5 w/ PAB10	4	(5) 1" BOLTS				
<u>NOTE:</u>	<u>NOTE:</u> 1. THIS IS A STANDARD LIST. SOME OF THE LISTED ABBREVIATIONS MAY NOT APPEAR IN THE DRAWINGS FOR THIS PROJECT. 2. POSTS TO BE NO. 1 AND BETTER										



FOUNDATION LEGEND

- INDICATES 6" CONC. STEMWALL - INDICATES 8" CONC. STEMWALL - INDICATES FOOTING - INDICATES 2x STUD PONY WALL - INDICATES 2x BEARING WALL - INDICATES FOOTING CALLOUTS - INDICATES FOOTING CALLOUTS <u>∕</u>P1∖

> - INDICATES LOCATION OF HOLD DOWN, SEE DETAIL 7/SD1.0

FOUNDATION NOTES:

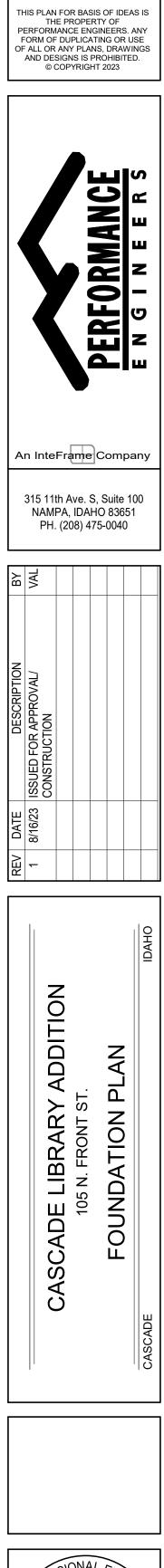
STEMWALL TO BE FIXED TO FOOTING w/ REBAR AS SPECIFIED AS PER THE 2018 IBC IN COORDINATION WITH CITY AND/OR COUNTY SPECIFICATIONS.

TOP OF SURFACE OF FOOTINGS TO BE LEVEL. BOTTOM SURFACE OF FOOTING SHALL NOT HAVE A SLOPE EXCEEDING 10%. PROVIDE DRAINAGE AROUND FOUNDATION TO PREVENT WATER ACCUMULATION AS REQUIRED ON SITE.

ALL FOOTINGS AND FOUNDATION COMPONENTS HAVE BEEN DESIGNED FOR A SOIL BEARING PRESSURE OF 1,500 PSF. DIMENSIONS ARE TO CENTERLINE OF PONY WALLS & PAD FOOTINGS BUT EDGES OF STEM WALLS U.N.O.

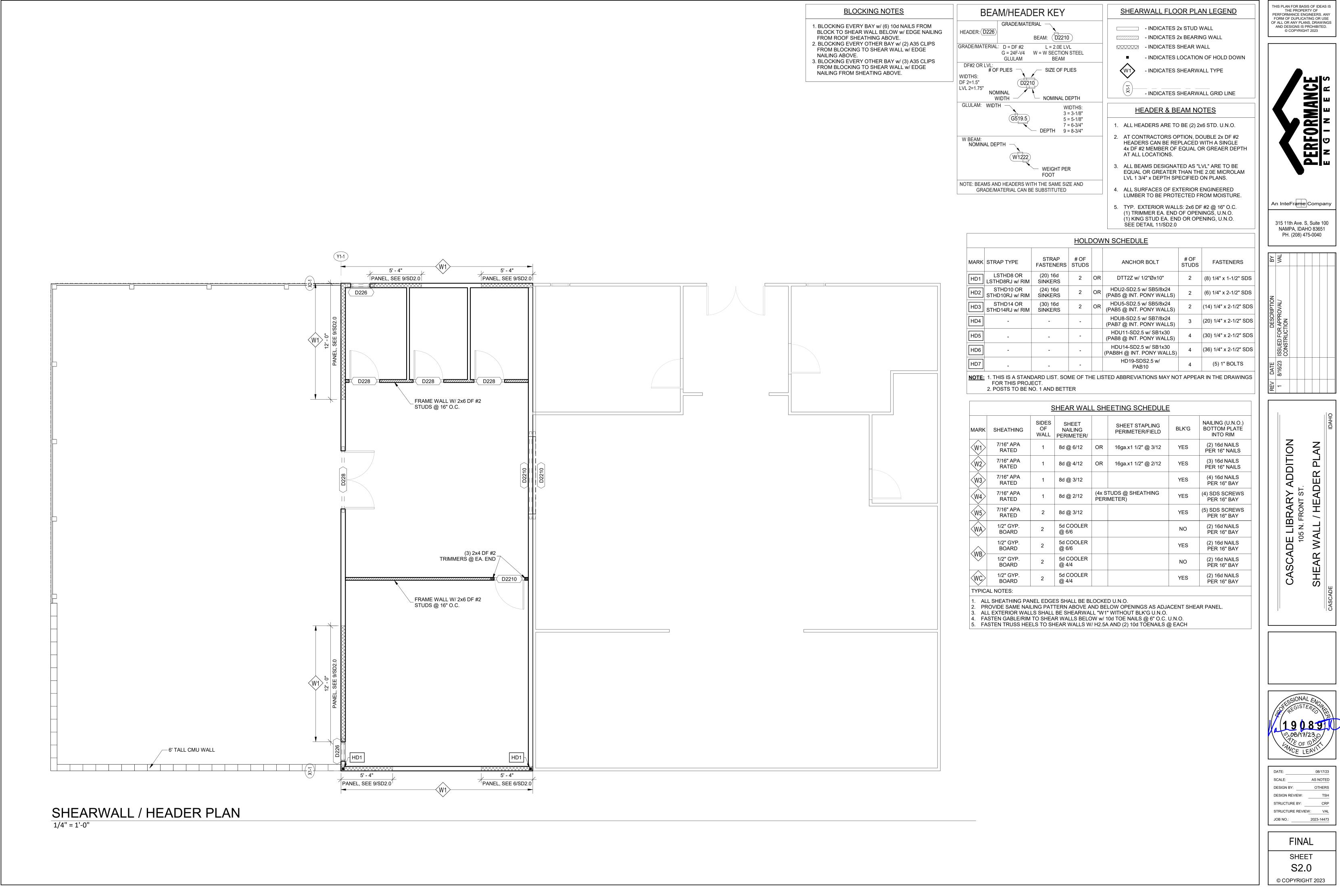
TYPE MARK	SIZE WxLxD	REINFORCING	COMMENTS
F1.3	16" x 8" x Cont.	(2) #4 CONT.	
F2.0	24" x 8" x Cont.	(2) #4 CONT.	
	PAD	FOOTING SCHEDULE	

	ANCHOR BOLT KEY NOTES:
MARK	DESCRIPTION
(A1)	1/2"Ø ANCHOR BOLTS @ 12" O.C.
(A2)	1/2"Ø ANCHOR BOLTS @ 24" O.C.
(A3)	1/2"Ø ANCHOR BOLTS @ 36" O.C.
(A4)	1/2"Ø ANCHOR BOLTS @ 48" O.C.
(A5)	1/2"Ø ANCHOR BOLTS @ 60" O.C.



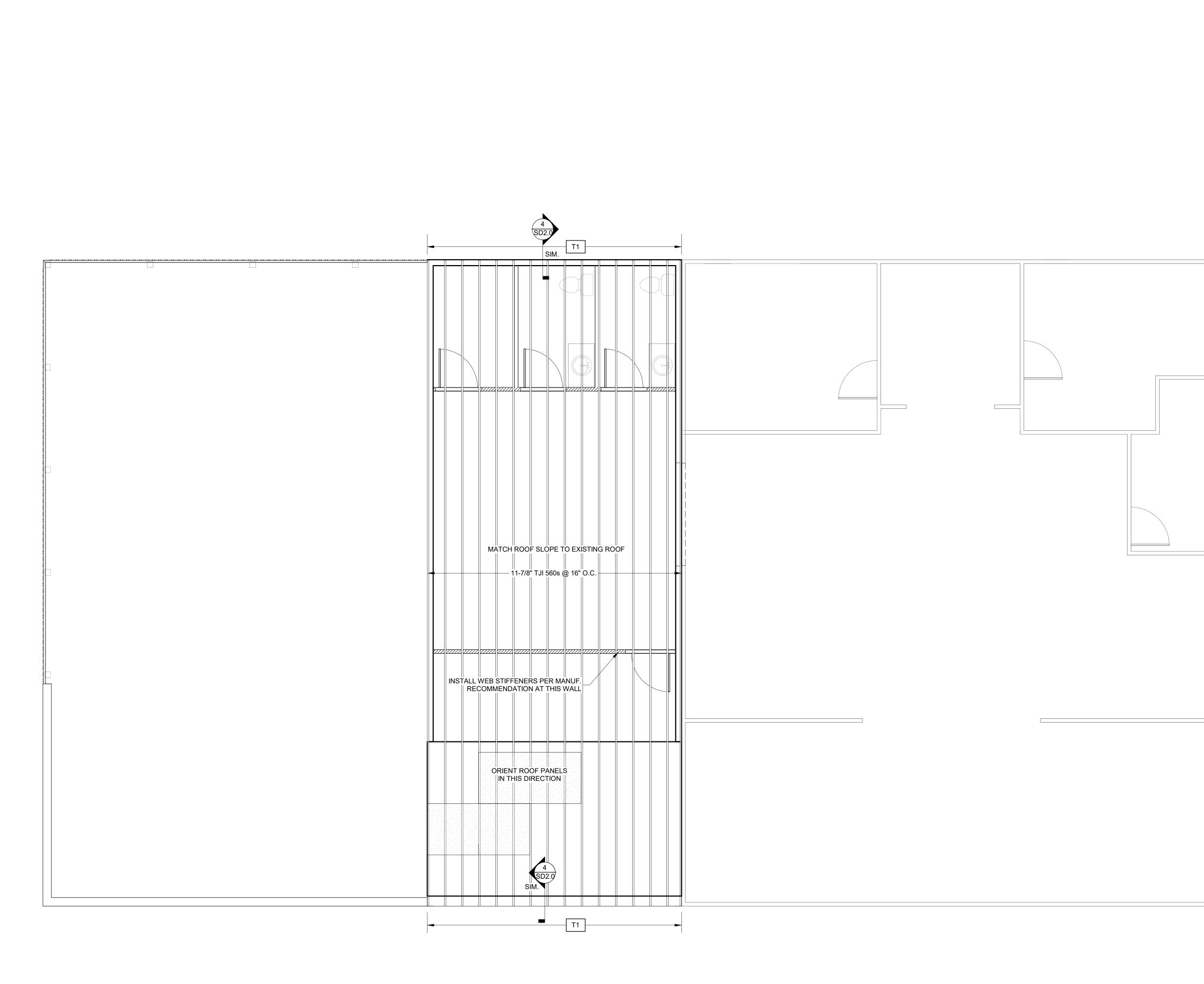


SHEET	•
S1.0	
© COPYRIGHT 2023	



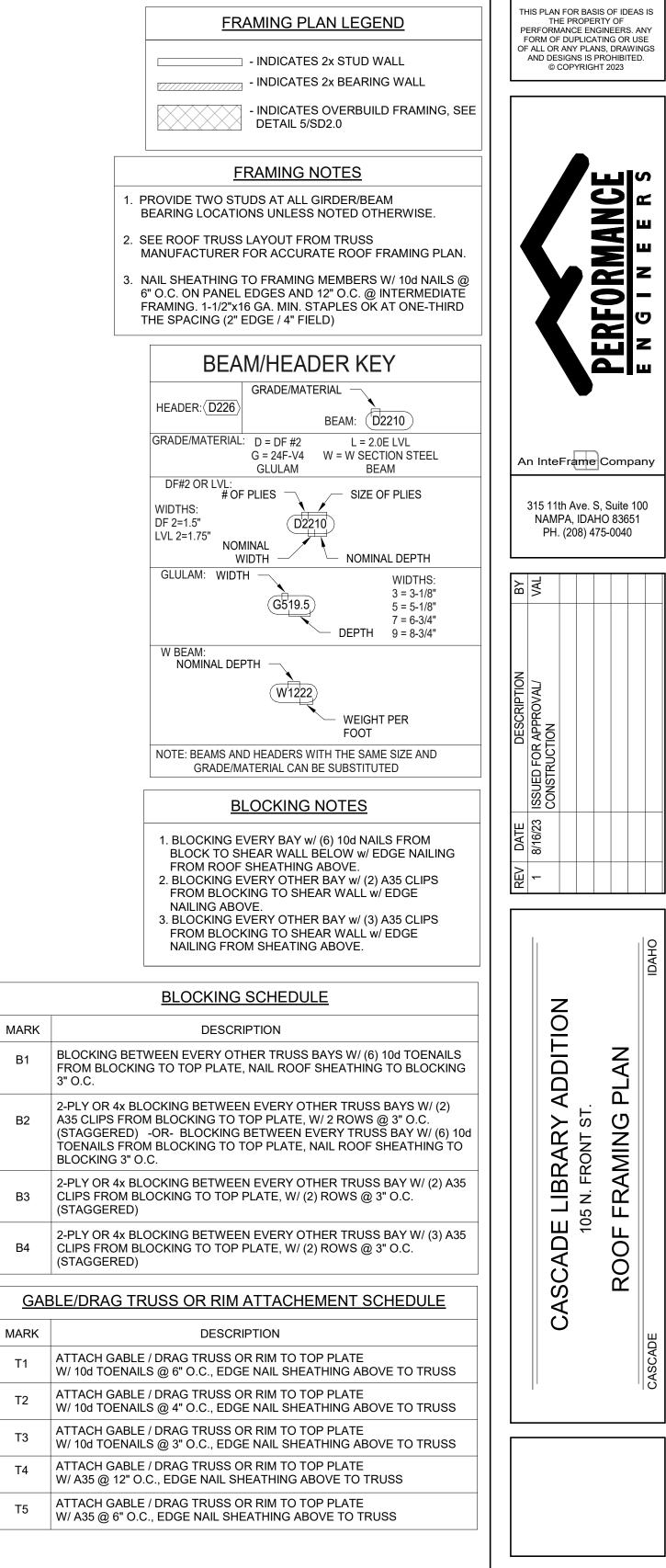
			HOLD	<u>/N SCHEDULE</u>			
MARK	STRAP TYPE	STRAP FASTENERS	# OF STUDS		ANCHOR BOLT	# OF STUDS	FASTENERS
HD1	LSTHD8 OR LSTHD8RJ w/ RIM	(20) 16d SINKERS	2	OR	DTT2Z w/ 1/2"Øx10"	2	(8) 1/4" x 1-1/2" SDS
HD2	STHD10 OR STHD10RJ w/ RIM	(24) 16d SINKERS	2	OR	HDU2-SD2.5 w/ SB5/8x24 (PAB5 @ INT. PONY WALLS)	2	(6) 1/4" x 2-1/2" SDS
HD3	STHD14 OR STHD14RJ w/ RIM	(30) 16d SINKERS	2	OR	HDU5-SD2.5 w/ SB5/8x24 (PAB5 @ INT. PONY WALLS)	2	(14) 1/4" x 2-1/2" SDS
HD4	-	-	-		HDU8-SD2.5 w/ SB7/8x24 (PAB7 @ INT. PONY WALLS)	3	(20) 1/4" x 2-1/2" SDS
HD5	-	-	-		HDU11-SD2.5 w/ SB1x30 (PAB8 @ INT. PONY WALLS)	4	(30) 1/4" x 2-1/2" SDS
HD6	-	-	-		HDU14-SD2.5 w/ SB1x30 (PAB8H @ INT. PONY WALLS)	4	(36) 1/4" x 2-1/2" SDS
HD7	-	-	-		HD19-SDS2.5 w/ PAB10	4	(5) 1" BOLTS

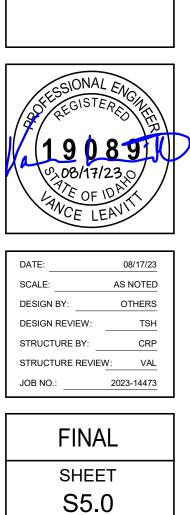
MARK	SHEATHING	SIDES OF WALL	SHEET NAILING PERIMETER/		SHEET STAPLING PERIMETER/FIELD	BLK'G	NAILING (U.N.O.) BOTTOM PLATE INTO RIM
W1	7/16" APA RATED	1	8d @ 6/12	OR	16ga.x1 1/2" @ 3/12	YES	(2) 16d NAILS PER 16" NAILS
W2>	7/16" APA RATED	1	8d @ 4/12	OR	16ga.x1 1/2" @ 2/12	YES	(3) 16d NAILS PER 16" NAILS
W3	7/16" APA RATED	1	8d @ 3/12			YES	(4) 16d NAILS PER 16" BAY
W4>	7/16" APA RATED	1	8d @ 2/12	(4x STUDS @ SHEATHING PERIMETER)		YES	(4) SDS SCREWS PER 16" BAY
W5>	7/16" APA RATED	2	8d @ 3/12			YES	(5) SDS SCREWS PER 16" BAY
WA	1/2" GYP. BOARD	2	5d COOLER @ 6/6			NO	(2) 16d NAILS PER 16" BAY
WB	1/2" GYP. BOARD	2	5d COOLER @ 6/6			YES	(2) 16d NAILS PER 16" BAY
	1/2" GYP. BOARD	2	5d COOLER @ 4/4			NO	(2) 16d NAILS PER 16" BAY
(WC)	1/2" GYP. BOARD	2	5d COOLER @ 4/4			YES	(2) 16d NAILS PER 16" BAY



ROOF FRAMING PLAN

1/4" = 1'-0"





© COPYRIGHT 2023

