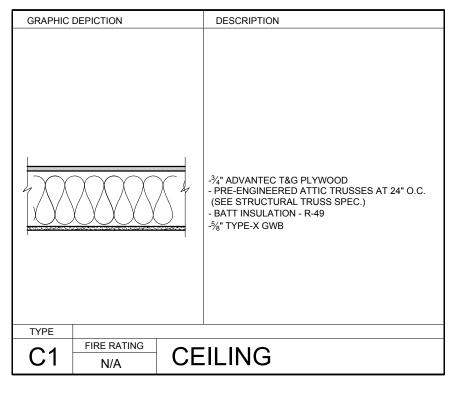
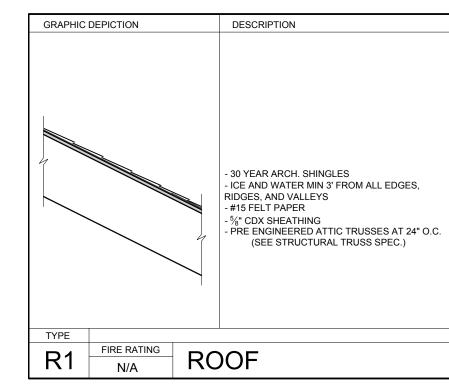
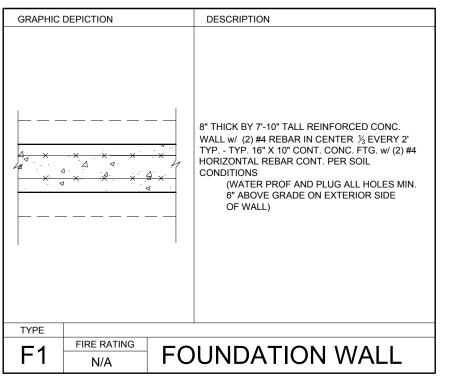


GRAPHIC DEPICTION	DESCRIPTION
	- 2X6 WOOD STUDS AT 16" O.C. (BOTTOM PT SILL PLATE MASONRY FASTENED TO SLAB) 1" GAP - 2X6 WOOD STUDS AT 16" O.C. (BOTTOM PT SILL PLATE MASONRY FASTENED TO SLAB).
TYPE 3A FIRE RATING INT	LERIOR WALL
SA N/A III	IENION WALL





4" REIN. 3500psi CONC. FLOATING SLAB, TO BE ATOP 15-MIL(MIN.) POLY MOISTURE BARRIER, 2" RIGID FOAM INSULATION, AND OVER 12"(MIN.) OF CLEAN & ORGANIC FREE COMPACTED SAND/STONE & CONTROL JOINTS AS REQUIRED. CONTRACTOR TO PROVIDE APPROPRIATE FOOTERS OR CONT. PERIMETER FOOTER IF REQUIRED PER LOCAL CODES TYPE S1 FIRE RATING N/A SLAB	GRAPHIC DEPICTION	DESCRIPTION
S1 FIRE RATING SI AR		ATOP 15-MIL(MIN.) POLY MOISTURE BARRIER, 2" RIGID FOAM INSULATION, AND OVER 12"(MIN.) OF CLEAN & ORGANIC FREE COMPACTED SAND/STONE & CONTROL JOINTS AS REQUIRED. CONTRACTOR TO PROVIDE APPROPRIATE FOOTERS OR CONT. PERIMETER FOOTER IF
		AB



GRAPHIC DEPICTION	DESCRIPTION
	10" THICK BY 7'-10" TALL REINFORCED CONC. WALL W/ (2) #6 REBAR IN CENTER ½ EVERY 2' - TYP. 18" X 10" CONT. CONC. FTG. W/ (2) #4 HORIZONTAL REBAR CONT. PER SOIL CONDITIONS (WATER PROF AND PLUG ALL HOLES MI 6" ABOVE GRADE ON EXTERIOR SIDE OF WALL)
TYPE FIRE RATING	
$F2 \mid \frac{1}{N/A} \mid FO$	UNDATION WALL

GRAPHIC DEPICTION	DESCRIPTION
	- 8" CONC. FROST WALL MIN. 4' BELOW GRADE TYP. W/ (2) #4 REBAR IN CENTER ½ EVERY 4' - TYP. CONT. CONC. FTG W/ (2) #4 HORIZONTAL REBAR CONT. PER SOIL CONTIONIONS (WATER PROOF AND PLUG ALL HOLES ON EXTERIOR OF WALL)
TYPE	
F3 FIRE RATING FO	UNDATION WALL

CIDDED SDANG ^a ANI	Table R502.5(2) Header Spans for Interior Bearin	IC WALL	ıc				
(Maximum spans for Douglas fir-larch, hem-f				numbe	er of	jack st	uds)
HEADERS AND GIRDERS			Bui	lding Wi	idth°(1	feet)	
SUPPORTING		2	20	28	3	3	36
	SIZE	Span	NJª	Span	NJd	Span	NJª
	2-2x4	3–1	1	2-8	1	2-5	1
	2-2x6	4-6	1	3-11	1	3-6	1
	2-2x8	5-9	1	5-0	2	4–5	2
	2-2x10	7-0	2	6-1	2	5-5	2
	2-2x12	8-1	2	7–0	2	6-3	2
One floor only	3–2x8	7-2	1	6-3	1	5–7	2
	3-2x10	8-9	1	7–7	2	6–9	2
	3-2x12	10-2	2	8-10	2	7–10	2
	4-2x8	5-10	1	5-1	2	4-6	2
	4-2x10	10-1	1	8–9	1	7–10	2
	4-2x12	11-9	1	10-2	2	9-1	2
	2-2x4	2-2	1	1-10	1	1–7	1
	2-2x6	3-2	2	2-9	2	2-5	2
	2-2x8	4-1	2	3-6	2	3-2	2
	2-2x10	4-11	2	4-3	2	3-10	3
 .	2-2x12	5-9	2	5-0	3	4-5	3
TWO floor only	3–2x8	5–1	2	4-5	2	3-11	2
	3-2x10	6-2	2	5-4	2	4-10	2
	3-2x12	7-2	2	6-3	2	5-7	3
	4-2x8	4-2	2	3–7	2	3-2	2
	4-2x10	7-2	2	6-2	2	5-6	2
	4-2x12	8-4	2	7–2	2	6–5	2

	Table R602.3(1) Fastener Schedule for Structura	L MEMBERS		
		SPACING OF	FASTENERS	
DESCRIPTION OF BUILDING MATERIALS	DESCRIPTION OF FASTENER b, c, d, e	Edges (inches) ⁱ	Intermediate support (inches)	
wood structural panels, subfloor, roof a	ind wall sheathing to framing, and particaleboard wa	II sheathing to framing		
5/16" - 1/2"	6d common nail (subfloor, wall) 8d common nail (roof) ^f	6	12 ^g	
19/32" - 1"	8d common nail	6	12 ^g	
1-1/8" - 1-1/4"	10d common nail or 8d deformed nail	6	12	
Other wall sheathing ^H				
1/2" regular cellulosic fiberboard sheathing	1-1/2" galvanized roofing nail 6d common nail staple 16ga., 1-1/2" long	3	6	
1/2" regular cellulosic fiberboard sheathing	1-3/4" galvanized roofing nail 8d common nail staple 16ga., 1-3/4" long	3	6	
25/32" structural cellulosic fiberboard sheathing	1-1/2" galvanized roofing nail: 6d common nail; staple galvanized, 1-1/2" long 1-1/4" screws, type W or S	3	6	
1/2" gypsum sheathing	1-1/2" galvanized roofing nail 6d common nail staple 16ga., 1-1/2" long	4	8	
5/8" gypsum sheathing	1-1/2" galvanized roofing nail 6d common nail staple 16ga., 1-1/2" long	4	8	
wood structural panels, combination sub	ofloor underlayment to framing			
3/4" and less	6d deformed nail or 8d common nail	6	12	
7/8" - 1"	8d common nail or 8d deformed nail	6	12	
1-1/8" - 1-1/4"	10d common nail or 8d deformed nail	6	12	

For SI: 1inch = 25.4mm, 1foot = 304.8mm, 1mile per hour = 1.609km/h.

- a. All nails are smooth—common, box or deformed shanks except where otherwise stated. Nails used for framing and sheathing connections shall have minimum average bending yield strengths as shown: 80ksi (551 MPa) for shank diameter of .192inch (20d common nail), 90ksi (620 MPa) for shank diameters larger than 0.142inch but not larger than 1.177inch, and 100ksi (689 MPa) for shank diameters of 0.142inch less.
- b. Staples are 16 gage wire and have a minimum 7/16—inch on diameter crown width.
- c. Nails shall be spaced at not more than 6inches on center at all supports where spans are 48inches or greater.
- d. Four-foot- by-8-foot or 4-foot-by-9-foot panels shall be applied vertically.
- e. Spacing of fasteners not included in this table shall be based on table R6023(1).
- f. For regions having basic wind speed of 110mph or greater, 8d deformed nails shall be used for attaching plywood and wood structural panel roof framing within minimum 48—inch distance from gable end walls, if mean roof height is more than 25feet, up to 35feet maximum.
- g. For regions having basic wind speed of 100mph or less, nails for attaching wood structural panel roof sheathing to gable end wall framing shall be spaced 6inches on center. When basic wind speed is greater than 100mph, nails for attaching panel roof sheathing to intermediate supports shall be spaced 6inches on center for minimum 48-inch distance from ridges, eves and gable end walls; and 4inches on center to gable end wall framing.
- h. Gypsum sheathing shall conform to ASTM C79 and shall be installed in accordance with GA 253. Fiberboard sheathing shall conform to either AHA 194.1 or
- i. Spacing of fasteners on floor sheathing panel edges applies to panel edges supported by framing members and at all floor perimeters only. Spacing of fasteners on roof sheathing panel edges applies to panel edges supported by framing members and at all roof plane perimeters. Blocking of roof or floor sheathing panel edges perpendicular to the framing members shall not be required except at intersection of adjacent roof planes. Floor and roof perimeter shall be supported by framing members or solid blocking.

GIRDER SPANS [®] AND	TABLE R50 HEADER SPANS	2.5(1) FOR FX1	ERIOR	BEARIN	NG WA	LLS	
(Maximum spans fo							
` spruce-pine-	-fir ^b and require	d numbe	r of jo	ick stu	ds)		
	l .	SIZE	GRO	UND®S	NOW L	OAD (p	sf)
				50			,
			Build	ling Wi	dth° (fe	eet)	
GIRDERS AND HEADERS		2		28		36	3
Supporting	SIZE	Span	NJ ^d	Span	NJ ^d	Span	١
	2-2x4	3-2	1	2-9	1	2-6	
	2-2x6	4-8	1	4-1	1	3-8	
	2-2x8	5-11	2	5-2	2	4-7	
	2-2x10 2-2x12	7-3 8-5	2	6-3 7-3	2	5-7 6-6	
Roof and ceiling	3-2x8	7-5	1	6-5	2	5-9	
noor and coming	3-2x10	9-1	2	7-10	2	7-0	
	3-2x12	10-7	2	9-2	2	8-2	
	4-2x8	8–4	1	7–5	1	6–8	
	4-2x10	10-6	1	9-1	2	8-2	
	4-2x12	12-2	2	10-7	2	9-5	
	2-2x4 2-2x6	2-9 4-1	<u>1</u> 1	2-5 3-7	<u>1</u>	2-2 3-3	
	2-2x8	5-2	2	3-7 4-6	2	4-1	
	2-2x10	6-4	2	5-6	2	5-0	
Doof calling and over	2-2x12	7-4	2	6-5	2	5-9	
Roof, ceiling and over center-bearing floor	3-2x8	6-5	2	5-8	2	5-1	
	3-2x10	7–11	2	6-11	2	6–3	
	3-2x12	9-2	2	8-0	2	7–3	
	4-2x8	7-5	1	6-6	_1_	5-11	
	4-2x10	9-7	2	8-0	2	7-2	
	4-2x12 2-2x4	10-7 2-7	2	9-3 2-3	2	8-4 2-0	
	2-2x4 2-2x6	3-10	<u>1</u>	3-4	<u>1</u>	3-0	_
	2-2x8	4-10	2	4-2	2	3-9	
	2-2x10	5-11	2	5–1	2	4-7	
	2-2x12	6-10	2	5–11	3	5-4	
Roof, ceiling and one	3-2x8	6-1	2	5–3	2	4-8	
clear span floor	3-2x10	7–5	2	6–5	2	5–9	
	3-2x12	8-7	2	7–5	2	6-8	
	4-2x8	7-0	1	6-1	2	5-5	
	4-2x10	8–7 9–11	2	7-5	2	6-7	
	4-2x12 2-2x4	2-6	<u>2</u> 1	8-7 2-2	<u>2</u>	7–8 1–11	_
	2-2x6	3-8	2	3-2	2	2-10	
	2-2x8	4-7	2	4-0	2	3-8	
	2-2x10	5–8	2	4-11	2	4-5	
Roof, ceiling and two	2-2x12	6-6	2	5–9	3	5–2	
center-bearing floor	3-2x8	5-9	2	5–1	2	4-7	
2	3-2x10	7-1	2	6-2	2	5-7	
	3-2x12 4-2x8	8-2 6-8	2	7-2 5-10	2	6-5 5-3	
	4-2x8 4-2x10	8-2	2	7-2	2	ე−ა 6–5	_
	4-2x10 4-2x12	9-5	2	8-3	2	7-5	
	2-2x4	2-0	1	1-8	1	1-5	
	2-2x6	3-0	2	2-7	2	2-3	
	2-2x8	3-10	2	3-4	2	2-11	
	2-2x10	4-8	2	4-0	3	3–7	
Roof, ceiling and two	2-2x12	5-5	3	4–8	3	4-2	
clear span floor	3-2x8	4-9	2	4-1	2	3-8	
	3-2x10	5-10	2	5-0	2	4-6	
	3-2x12	6-9 5-6	2	5-10	3 2	5-3	
	4-2x8 4-2x10	6-9	2	4-9 5-10	2	4-3 5-2	
	4-2x10 4-2x12	7-9	2	6-9	2	6-0	

For SI: 1	inch=25.4mm,	1	pound	per	square	foot=0.0479kN/m²

- Spans are given in feet and inches.
- b. Tabulated values assume #2 grade lumber.
- c. Building width is measured perpendicular to the ridge. For widths between those shown, spans are permitted to be interpolated.
- NJ-Number of jack studs required to support each end. Where the number
 of required jack studs equals one, the header is permitted to be supported by an approved framing anchor attached to the full-height wall stud and tó the header.
- e. Use 30psf ground snow load for cases in which ground snow load is less than 30psf and the roof live load is equal to or less. than 20psf

FASTENER SPACING FOR SOUTHERN PINE OR HIM-FIR DECK LEDGER	
AND 2-INCH NOMINAL SOLID-SAWN SPRUCE-PINE-FIR BAND JOIST	
(DECK LIVE LOAD=40PSF, DECKDEAD LOAD=10PSF)	

JOIST SPAN	6'-0" AND LESS	6'-1" AND 8'-0"	8'-1" AND 10'-0"	10'-1" AND 12'-0"	12'-1" AND 14'-0"	14'-1" AND 16'-0"	16'-1" AND 18'-0"
CONNECTION DETAILS			ON-CENTER	SPACING OF	FASTENERS		
½" DIAMETER LAG SCREW WITH ¹⁵ ¾2" MAXIMUM SHEATHING	30	23	18	15	13	11	10
½" DIAMETER LAG SCREW WITH ¹⁵ ⁄ ₃₂ " MAXIMUM SHEATHING	36	36	34	29	24	21	19
½" DIAMETER LAG SCREW WITH ¹⁵ % ₃₂ " MAXIMUM SHEATHING & ½" STACKED WASHERS	36	36	29	24	21	18	16

[REF. TABLE R507.2]

CONTACT: REID TOZIER DRAFTING

(207) 838-0927 reidtozier@gmail.com

HOME RD ARTON 83 \Box

REVISIONS:

MAY 5, 201 PROJECT No. DRAWN BY:

CHECKED BY: AS NOTED SCALE:

SHEET TITLE: **GENERAL ASSEMBLIES**