# WEBER COUNTY

#### **OGDEN VALLEY PLANNING COMMISSION**

#### **Ogden Valley Virtual Planning Commission**

#### December 22, 2020

5:00 p.m.

https://us02web.zoom.us/j/87034442502

- Roll Call
- Pledge of Allegiance

#### **Consent Items**

**CUP 2020-20:** Consideration and action on a Bed and Breakfast Dwelling in the basement of an existing SFD located at 4427 Powder Mountain Rd. in Eden. **Applicant: Dennis & Kathy Longfellow; Staff Presenter: Scott Perkes** 

Adjourn

The regular meeting will be held in the Weber County Commission Chambers, in the Weber Center,1st Floor, 2380 Washington Blvd., Ogden, Utah.& Via Zoom Video Conferencing at the link listed here <a href="https://us02web.zoom.us/j/87034442502">https://us02web.zoom.us/j/87034442502</a>

A Pre-Meeting will be held at 4:30 p.m. The agenda for the pre-meeting consists of discussion of the same items listed above, on the agenda for the meeting.

No decisions are made in the pre-meeting, but it is an open, public meeting.



#### Staff Report to the Ogden Valley Planning Commission

Weber County Planning Division

#### **Synopsis**

**Application Information** 

Application Request: Consideration and/or action on a conditional use permit for Longfellow Bed & Breakfast

Dwelling.

Agenda Date: Tuesday, December 22, 2020
Applicant: Dennis & Kathy Longfellow, Owners

File Number: CUP 2020-20

**Property Information** 

**Approximate Address:** 4427 Powder Mountain Road, Eden, UT, 84310

Project Area: 1 acres

**Zoning:** Forest Valley - 3 Zone (FV-3)

**Existing Land Use:** Residential

Proposed Land Use: Bed and breakfast dwelling

Parcel ID: 22-117-0010

Township, Range, Section: T7N, R1E, Section 15 SW

**Adjacent Land Use** 

North:ResidentialSouth:ResidentialEast:ResidentialWest:Residential

**Staff Information** 

Report Presenter: Scott Perkes

sperkes@co.weber.ut.us

801-399-8772

Report Reviewer: SB

#### **Applicable Ordinances**

- Weber County Land Use Code Title 101 Chapter 1 General Provisions, Section 7 Definitions
- Weber County Land Use Code Title 104 Chapter 14 (FV-3 Zone)
- Weber County Land Use Code Title 108 Chapter 4 (Conditional Uses)

#### **Summary and Background**

The applicant is requesting approval of a conditional use permit for the Longfellow Bed and Breakfast Dwelling located in the FV-3 zone at 4427 Powder Mountain Road in Eden (see **Exhibit A**). The FV-3 Zone allows a "bed and breakfast dwelling" as a conditional use. The bed and breakfast dwelling is proposed to occupy the basement of an existing single family dwelling. Access to the proposed B&B dwelling will be provided through an entrance located at the rear of the structure.

#### **Analysis**

<u>General Plan:</u> As a conditional use, this operation is allowed in the FV-3 Zone. With the establishment of appropriate conditions as determined by the Planning Commission, this operation will not negatively impact any of the goals and policies of the General Plan.

**Zoning:** The subject property is located within the Forest Valley (FV-3) Zone. The purpose of the FV-3 Zone can be further described in LUC §104-14-1 as follows:

The purpose of the FV-3 zone is to provide area for residential development in a forest setting at a low density, as well as to protect as much as possible the naturalistic environment of the development.

A Bed and Breakfast Dwelling is listed as a conditional use in the FV-3 zone.

A bed and breakfast dwelling is defined by LUC §101-2-3 as follows:

The term "bed and breakfast dwelling" means an owner-occupied dwelling in which not more than two rooms are rented out by the day, offering overnight lodgings to travelers, and where one or more meals are provided by the host family, the price of which may be included in the room rate.

The FV-3 Zone has specific standards identified in LUC §104-14-3 (b), that shall be met as part of the development process. The seven applicable standards for a bed and breakfast dwelling are listed below. Staff analysis of the proposed bed and breakfast dwelling per these standards is provided as Italicized text following each standard:

#### 1) Two parking spaces shall be provided for the host family plus one space for each guest room;

In addition to the garage and driveway parking already established for the primary single-family dwelling (at least 4 parking spaces), the applicant is providing **two dedicated parking spaces** for the bed and breakfast dwelling within the side yard setback off of Snowflake Dr. Both of these dedicated spaces are located outside of the adjacent ROW. A sidewalk is proposed to connect these dedicated parking spaces with the bed and breakfast dwelling entrance to the rear of the structure (see **Exhibit B**). Per the proposed floor plan and approved building plans (see **Exhibit C & D**), the bed and breakfast dwelling will include two sleeping rooms, thus requiring a minimum of two dedicated parking spots.

#### 2) Proprietor or owner shall occupy the property;

The owner intends to occupy the primary dwelling unit as their primary residence.

#### 3) Meals shall only be served to overnight guests;

The owner intends to utilize the included kitchen within the bed and breakfast dwelling to stock continental breakfast items for guests.

#### 4) Signs are limited to a nameplate identification sign not exceeding two square feet in area per dwelling;

The owner is not proposing to include signage as part of their application.

#### 5) Not more than two guests sleeping rooms per dwelling;

Per the proposed floor plan, only two sleeping rooms will be provided as part of the bed and breakfast dwelling.

#### 6) Allowed only in existing dwellings with no exterior additions nor change in residential character;

The proposed bed and breakfast dwelling will occupy the basement of the existing single-family dwelling. No exterior additions or alterations in residential character are proposed.

#### 7) Business license shall be obtained.

The applicant will be required to obtain a business license as a condition of conditional use permit approval.

<u>Conditional Use Review:</u> A review process has been outlined in LUC §108-4-3 to ensure compliance with the applicable ordinances and to mitigate anticipated detrimental effects. Thus far, the applicant has received conditional approval from the Weber Fire District, for the proposal.

The following is an analysis of the proposal reviewed against the conditional use standards:

#### (1) Standards relating to safety for persons and property.

The proposal is not anticipated or expected to negatively impact this property, surrounding properties, or persons. The Weber Fire District has conditioned their approval on the following:

- a) The basement dwelling shall have functioning egress windows in the bedrooms.
- b) Smoke and CO detectors must be properly installed and working.
- c) Total occupancy load shall be kept at 10 or less including homeowners.

#### (2) Standards relating to infrastructure, amenities, and services.

The proposal is not anticipated or expected to negatively impact any existing infrastructure, amenities, or services in the area.

#### (3) Standards relating to the environment.

The proposal is not anticipated or expected to negatively impact the environment.

## (4) Standards relating to the current qualities and characteristics of the surrounding area and compliance with the intent of the general plan.

The proposal is not anticipated to substantially impact the surrounding area. As a conditional use, this operation is allowed in the FV-3 Zone. With the establishment of appropriate conditions as determined by the Planning Commission, this operation is not anticipated to negatively impact the surrounding areas or be at odds with any of the goals and policies of the General Plan.

<u>Design Review:</u> Design review is required for Bed and Breakfast <u>Inns</u> and <u>Hotels</u>. Bed and Breakfast <u>Dwellings</u>, due to their limited scale, are not required to be reviewed per the design review standards listed in LUC §108-7 (Design Review) or LUC §108-2 (Architectural, Landscape, & Screening Design Standards).

#### Staff Recommendation

Staff recommends approval of this conditional use permit application subject to applicant meeting the following condition of approval in addition to any conditions of the various reviewing agencies or the Ogden Valley Planning Commission.

Planning conditions of approval:

1) The owner shall obtain a valid Weber County Business License.

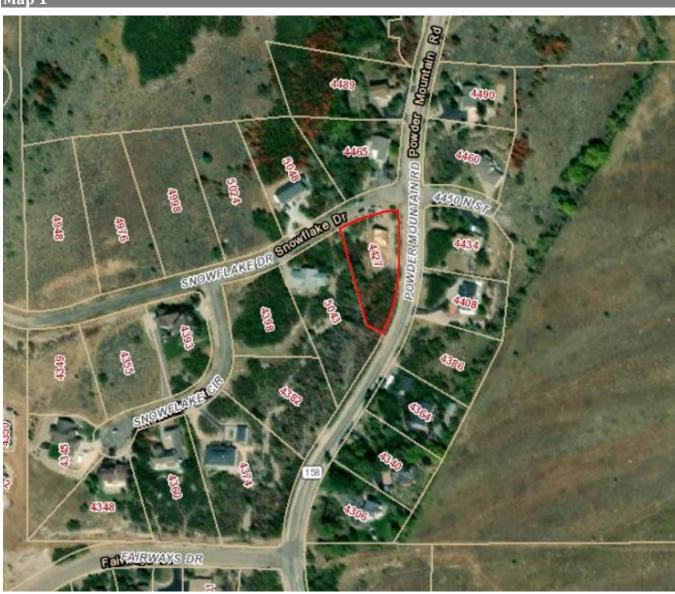
This recommendation is based on the following findings:

- 1) The proposed use is allowed in the FV-3 Zone and meets the appropriate site development standards.
- 2) The criteria for issuance of a conditional use permit have been met because mitigation of potential detrimental effects can be accomplished.

#### **Exhibits**

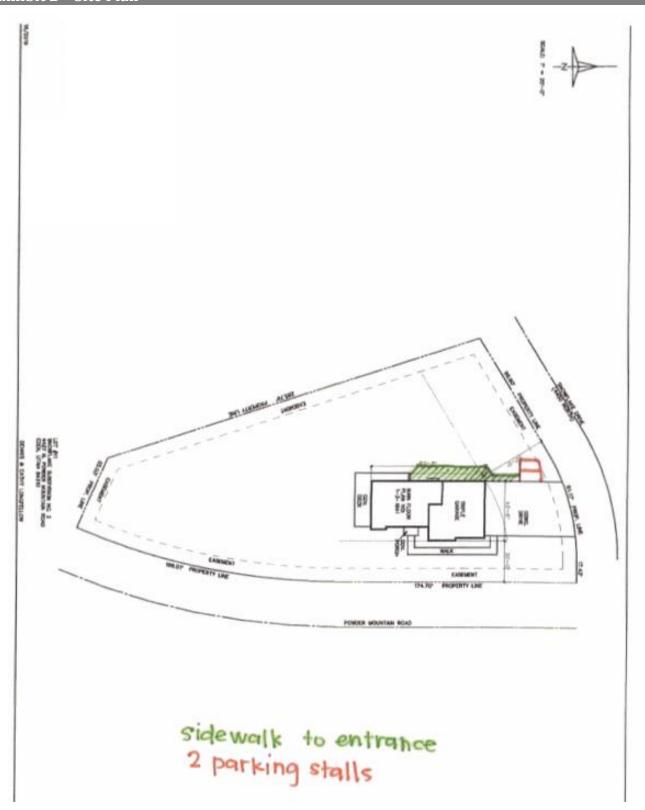
- A. Application
- B. Site Plan
- C. Floor Plan
- D. Approved Building Plans

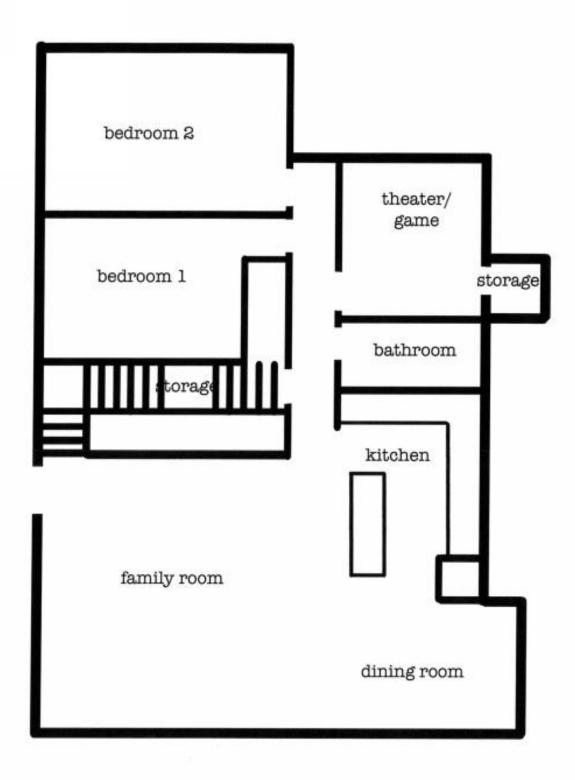
#### Map 1



Application submittal	s will be accepted by appointment only. (8	01) 399-8791. 2380 Washington	Blvd. Suite 240, Ogden, UT 84401
Date Submitted / Completed	Fees (Office Use)	Receipt Number (Office Use)	File Number (Office Use)
Property Owner Contact I	nformation		
Sol 628 1235	THY LONGFELLOW	Mailing Address of Property Own 4427 POWDEL EDEN UT . 8	2 MOUNTAIN ROAD
mail Address (required) NUC4561 @ Yo	ahoo, com	Preferred Method of Written Con	respondence fall
Authorized Representativ			
ame of Person Authorized to Repr DENNIS LONGE hone 801 628 1235 mall Address	Fax	FDEN UT 8	2 MOUNTAIN ROAD 34310
NUC 4561 @ y	jahoo.com	Email Fax M	lail
oject Name		Total Acreage	
BED & BIZEAK oproximate Address	MOUNTAIN ROAD	LACKE	Current Zonleig
oject Narrative  A BED 7 BPE7	CATHY LONGFELLOW	LOCATED IN	BASETHENT OF

Property Owner Attidavit	
Town of May	depose and say that I (we) am (are) the owner(s) of the property identified in this application, the information provided in the attached plans and other exhibits are in all respects true and correct to the best of the information provided in the attached plans and other exhibits are in all respects true and correct to the best of the property Owner.
	(Notary
Authorized Representative Affic	lavit
(We),	the owner(s) of the real property described in the attached application, do authorized as my to represent me (us) regarding the attached application and to appear on e or legislative body in the County considering this application and to act in all respects as our agent in matters
Property Owner)	(Property Owner)
Dated thisday of digner(s) of the Representative Authorizat	, 20 personally appeared before me the ion Affidavit who duly acknowledged to me that they executed the same.
	(Notary)





Longfellow Bed and Breakfast

COV. DECK

KITCH

OFFICE

OFFICE

UPPER FLOOR AREA = 940 SQ. FT.

MAIN FLOOR AREA = 1641 SQ. FT.

COV. PORCH

COV. DECK



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**EXCAVATION PERMIT FROM WEBER** COUNTY ENGINEERING DEPT.CALL

801-399-8374 WITH ANY QUESTIONS

TRIPLE GARAGE

ALL EXCAVATION WORK IN THE

RIGHT OF WAY REQUIRES AN

METAL HOLDOWN NOTES: I. ALL HOLDOWNS SHALL BE INSTALLED PER THE MANUFACTURER'S RECOMMENDATIONS. SEE DETAILS 5 AND 9/S4.2 2. USE RIM JOIST MODEL OF STRAP IF STRAP IS LOCATED AT A RIM JOIST, OTHERWISE, A NON—RIM JOIST MODEL MAY BE USED.

(14)—SDS1/4x2.1/2 SCREWS WITH 5/8" DIA. A307 ALL—THREAD ROD EPOXIED 11" MIN. INTO TOP OF FDTN.

(20)—SDS1/4x3 SCREWS WITH 7/8" DIA. A307 ALL—THREAD ROD EPOXIED 11" MIN. INTO TOP OF FDTN. SEE DETAIL 5/S4.2 FOR EPOXY ATTACHMENT

METAL HOLDOWN SCHEDULE

**ATTACHMENT** 

(20)-16d SINKER NAILS

(28)-16d SINKER NAILS

SIMPSON HOLDOWN

LSTHD8 OR LSTHD8RJ (RIM JOIS

STHD 10 OR <sup>2</sup> STHD 10RJ (RIM JOIST)

STHD14 OR <sup>2</sup> STHD14RJ (RIM JOIST)

HDU4-SDS2.5

HDU5-SDS2.5

HDQ8-SDS3

LSTHD8 OR LSTHD8RJ

STHD14 OR<sup>2</sup> STHD14RJ

HDU4

HDU5

HDQ8

COMMENTS

STHD10, STHD14, HTT4, OR HDU4 MAY BE USED IN LIEU OF LSTHD8

STHD14, HTT4, OR HDU4 MAY BE USED IN LIEU OF STHD10

HTT4 OR HDU5 MAY BE USED IN LIEU OF STHD14

SEE DETAIL 5/S4.2 FOR EPOXY ATTACHMENT

COMMENTS

CONCRETE FOUNDATION WALL SCHEDULE									
			WALL R	EINFORCING					
MARK	WIDTH <sup>8</sup>	MAX. HEIGHT <sup>2,4,5</sup>	VERTICAL <sup>6</sup>	HORIZONTAL <sup>1,3</sup>	COMMENTS				
CFW2.0NR	8" MIN.	MEET MIN. FROST DEPTH	#4 AT 18" O.C.	#4 AT 12" O.C.	SEE DETAIL 7 OR 11/S4.1				
CFW3.0	8" MIN.	MEET MIN. FROST DEPTH	#4 AT 24" O.C.	#4 AT 12" O.C.	SEE DETAIL 7 OR 11/S4.1				
CFW4.0	8" MIN.	4'-0"	#4 AT 24" O.C.	#4 AT 15" O.C.	SEE DETAIL 6/S4.1				
CFW6.0	8" MIN.	6'-0"	#4 AT 24" O.C.	#4 AT 18" O.C.	SEE DETAIL 5/S4.1				
CFW8.0	8" MIN.	8'-0"	#4 AT 24" O.C.	#4 AT 19" O.C.	SEE DETAIL 5/S4.1				
CFW9.0	8" MIN.	9'-0"	#4 AT 16" O.C.	#4 AT 18" O.C.	SEE DETAIL 5/S4.1				
CFW10.0	8" MIN.	10'-0"	#4 AT 9" O.C.	#4 AT 12" O.C.	SEE DETAIL 5/S4.1				

CONCRETE FOUNDATION WALL NOTES:

1. LOCATE A HORIZONTAL BAR WITHIN 4" OF TOP AND BOTTOM OF WALL.

2. WALL HEIGHT MAY BE INCREASED AS NEEDED WHERE FOOTINGS NEED TO BE DROPPED FOR FROST PROTECTION OR SOIL CONDITIONS AS LONG AS UNBALANCED WALL HEIGHT (HEIGHT BETWEEN LOW AND HIGH GRADE) DOES NOT EXCEED THAT SHOWN. ADD ADDITIONAL HORIZONTAL REBAR AS NEEDED TO NOT EXCEED SPACING SHOWN.

3. UNLESS NOTED OTHERWISE, PLACE HORIZONTAL REINFORCING IN THE CENTER OF THE WALL THICKNESS. PLACE VERTICAL REINFORCING ON INTERIOR SIDE OF HORIZONTAL REINFORCING.

4. PROVIDE NOTCHES AND DROPS IN TOPS OF FOUNDATION AS NOTED ON PLANS AND WHERE REQUIRED FOR DOOR OPENINGS AND WHERE CONCRETE SLABS POUR OVER THE TOP OF FOUNDATION WALLS.

5. SEE DRAWINGS FOR ACTUAL HEIGHT.

6. PROVIDE VERTICAL REBAR DOWELS TO MATCH VERTICAL WALL REBAR SIZE AND SPACING TO TIE FTG. TO FDTN. WALL.

7. SOIL BACKFILL SHALL BE SOIL CLASSIFICATION TYPES GW, GP, SW, OR SP PER IBC TABLE 1610.1. SOIL SHALL NOT BE SUBMERGED OR SATURATED IN GROUND WATER.

8. SEE PLAN FOR ACTUAL WALL WIDTH.

MARK <sup>1</sup>	SIZE <sup>2,3</sup>	COMMENT	MARK <sup>1</sup>	SIZE <sup>2,3</sup>
		USE FOR BEAM/HEADER SPANS UP TO 5'-2" THAT ARE NOT NOTED	WB2-5.5LVL	(2)-1.3/4"x5.1/2" LV
WP2 /3_ 8DE <sup>4</sup>	(2)-2x8 FOR 2x4 WALLS (3)-2x8 FOR 2x6 WALLS	OTHERWISE IN BASEMENTS WITH CEILING HEIGHTS LESS THAN 7'-10" (FOR CEILING HEIGHTS GREATER THAN 7'-10" USE WB2/3-10DF) -SEE NOTE 4 BELOW	WB2-7.25LVL	(2)-1.3/4"x7.1/4" LV
WB2/J-60F	(3)-2x8 FOR 2x6 WALLS	I-HEADERS MAY BE RECESSED INTO WALL	WB2-9.5LVL	(2)-1.3/4"x9.1/2" LV
		DOUBLE TOP PLATE AS REQUIRED FOR WINDOW HEIGHTS — SEE DETAIL 10/S6.1	WB2-5.5LVL WB2-7.25LVL	(2)-1.3/4"x11.7/8" LV
MR2 /3_10DE <sup>4</sup>	(2)-2x10 FOR 2x4 WALLS (3)-2x10 FOR 2x6 WALLS	USE FOR BEAM/HEADER SPANS UP	WB2 14LVL	(2)-1.3/4"x14" LVL
MB2/3— 10DF	(3)-2×10 FOR 2×6 WALLS	TO 5'-2" THAT ARE NOT NOTED OTHERWISE -SEE NOTE 4 BELOW	WB2-16LVL	(2)-1.3/4"x16" LVL
WB2-6DF	(2)-2x6 DF#2	WB2-5.5LVL MAY BE USED AS ALTERNATE	WB2 18LVL	(2)-1.3/4"x18" LVL
WB2-8DF	(2)-2x8 DF#2	WB2-7.25LVL MAY BE USED AS ALTERNATE	WB3-5.5LVL	(3)-1.3/4"x5.1/2" LV
WB2-10DF	(2)-2x10 DF#2	WB2-7.25LVL MAY BE USED AS ALTERNATE	WB3-7.25LVL	(3)-1.3/4"x7.1/4" LVI
WB2-12DF	(2)-2x12 DF#2	WB2-9.5LVL MAY BE USED AS ALTERNATE	WB3-9.5LVL	(3)-1.3/4"x9.1/2" LVI
WB3-6DF	(3)-2x6 DF#2	WB3-5.5LVL MAY BE USED AS ALTERNATE	WB3-11.88LVL	(3)–1.3/4"x11.7/8" LV
WB3-8DF	(3)-2x8 DF#2	WB3-7.25LVL MAY BE USED AS ALTERNATE	WB3 14LVL	(3)-1.3/4"x14" LVL
WB3-10DF	(3)-2x10 DF#2	WB3-7.25LVL MAY BE USED AS ALTERNATE	WB3-16LVL	(3)-1.3/4"x16" LVL
WB3 12DF	(3)-2×12 DF#2	WB3-9.5LVL MAY BE USED AS ALTERNATE	WB3 18LVL	(3)-1.3/4"x18" LVL

1. BEAM MARKS WITH "DF" DESIGNATES THE USE OF DOUGLAS FIR-LARCH NO. 2 OR BETTER STANDARD LUMBER. BEAM MARKS WITH "LVL" DESIGNATES THE USE OF ENGINEERED LUMBER WITH THE FOLLOWING MINIMUM PROPERTIES: F<sub>b</sub> = 2600 psi, F<sub>c</sub> = 285 psi, F<sub>c1</sub> = 750 psi, E = 1.9x10<sup>6</sup> psi.

2. "DF" BEAM SIZES SHOWN ARE NOMINAL AND HAVE SMALLER ACTUAL BEAM DIMENSIONS AS BASED ON STANDARD LUMBER. PROVIDE 1/2" PLYWOOD OR OSB BETWEEN INDIVIDUAL BEAM—PLYS TO CREATE A BEAM THICKNESS TO MATCH THE WALL THICKNESS.

3. MULTIPLE MEMBER BEAMS/HEADERS SHALL BE NAILED TOGETHER WITH A MINIMUM OF 2 ROWS OF 16d NAILS AT 12" O.C. FOR BEAM DEPTHS 12 IN. OR LESS USE 3 ROWS OF 16d NAILS AT 12" O.C. FOR BEAM DEPTHS GREATER THAN 12 IN.

4. CONTACT THE ENGINEER FOR BEAM/HEADER SIZES WITH SPANS GREATER THAN 5'-2" THAT ARE NOT NOTED ON THE DRAWINGS.

5. "FLUSH", WHEN NOTED ON PLANS, INDICATES TO PLACE THE BEAM SO THAT THE TOP AND/OR BOTTOM OF THE BEAM IS FLUSH WITH THE SUPPORTED FRAMING. 6. DO NOT USE LVL BEAMS WHERE THEY MAY BE EXPOSED TO WEATHER (E.G. DECK FRAMING).

SHEAR WALL SCHEDULE												
SHEAR WALL CONSTRUCTION			PANEL ATTACHMENT			WALL ANCHOR	COMMENTS					
PANEL <sup>5,6</sup> MATERIAL	SIDES	PANEL <sup>2</sup> EDGES	PANEL FASTENER 3,9	EDGE NAILING	FIELD NAILING	ANCHOR BOLT/1,7 FASTENER	SPACING					
1/2" GYPSUM WALLBOARD 4	BOTH SIDES	BLOCKED	NO. 6x1.1/4" SCREWS	4" O.C.	16" O.C.	16d NAILS	4" O.C.	USE SW4 AS ALTERNATE				
7/16" OSB SHEATHING	ONE SIDE	BLOCKED	8d NAILS	4" O.C.	12" O.C.	5/8" x12" A.B.	32" O.C.	SEE NOTE 8 BELOW				
7/16" OSB SHEATHING 11	BOTH SIDES	BLOCKED	8d NAILS		12" O.C.	NON-RESIDENTIAL	16" O.C.	SEE NOTE 8 & 11 BELOW				
3/8" OR 7/16" OSB SHEATHING	ONE SIDE	BLOCKED	8d NAILS	6" O.C.	12" O.C.	RESIDENTIAL	32" O.C.	SEE NOTE 8 BELOW				
7/16" OSB SHEATHING	BOTH SIDES	BLOCKED	SEE DETAIL 5/S5.2			SEE DETAIL 5/S5.2	SEE NOTE 8 BELOW					
	PANEL 5,6 MATERIAL  1/2" GYPSUM WALLBOARD 4  7/16" OSB SHEATHING  7/16" OSB SHEATHING 11  3/8" OR 7/16" OSB SHEATHING	PANEL 5,6 MATERIAL  1/2" GYPSUM WALLBOARD 4 BOTH SIDES  7/16" OSB SHEATHING ONE SIDE  7/16" OSB SHEATHING 11 BOTH SIDES  3/8" OR 7/16" OSB SHEATHING ONE SIDE	SHEAR WALL CONSTRUCTION  PANEL 5,6 MATERIAL  1/2" GYPSUM WALLBOARD 4  7/16" OSB SHEATHING  7/16" OSB SHEATHING 11  BOTH SIDES BLOCKED  BLOCKED  BOTH SIDES BLOCKED  ONE SIDE BLOCKED  ONE SIDE BLOCKED  ONE SIDE BLOCKED  ONE SIDE BLOCKED	SHEAR WALL CONSTRUCTION  PANEL 5,6 MATERIAL  SIDES  PANEL 2 EDGES  PANEL FASTENER 3,9  1/2" GYPSUM WALLBOARD 4  BOTH SIDES  BLOCKED  NO. 6x1.1/4" SCREWS  7/16" OSB SHEATHING  ONE SIDE  BLOCKED  8d NAILS  7/16" OSB SHEATHING 11  BOTH SIDES  BLOCKED  8d NAILS  3/8" OR 7/16" OSB SHEATHING  ONE SIDE  BLOCKED  8d NAILS	SHEAR WALL CONSTRUCTION  PANEL 5,6 MATERIAL  SIDES  PANEL FASTENER 3,9 EDGE NAILING  1/2" GYPSUM WALLBOARD 4  BOTH SIDES  BLOCKED  NO. 6x1.1/4" SCREWS  4" O.C.  7/16" OSB SHEATHING  ONE SIDE  BLOCKED  8d NAILS  4" O.C.  3/8" OR 7/16" OSB SHEATHING  ONE SIDE  BLOCKED  8d NAILS  6" O.C.	SHEAR WALL CONSTRUCTION  PANEL 5,6 MATERIAL  SIDES  PANEL 2 EDGES  PANEL FASTENER 3,9 NAILING NAILING  1/2" GYPSUM WALLBOARD 4 BOTH SIDES BLOCKED NO. 6x1.1/4" SCREWS 4" O.C. 16" O.C. 7/16" OSB SHEATHING ONE SIDE BLOCKED 8d NAILS 4" O.C. 12" O.C. 7/16" OSB SHEATHING 11 BOTH SIDES BLOCKED 8d NAILS 4" O.C. 12" O.C. 3/8" OR 7/16" OSB SHEATHING ONE SIDE BLOCKED 8d NAILS 6" O.C. 12" O.C.	SHEAR WALL CONSTRUCTION  PANEL 5.6 MATERIAL  SIDES  PANEL 2 EDGES  PANEL FASTENER 3.9 MATERIAL  1/2" GYPSUM WALLBOARD 4  BOTH SIDES BLOCKED NO. 6x1.1/4" SCREWS 4" O.C. 16" O.C. 16d NAILS  7/16" OSB SHEATHING  ONE SIDE BLOCKED 8d NAILS  4" O.C. 12" O.C. 5/8" x12" A.B. NON-RESIDENTIAL 3/8" OR 7/16" OSB SHEATHING  ONE SIDE BLOCKED 8d NAILS  6" O.C. 12" O.C. 12" X10" A.B. RESIDENTIAL RESIDENTIAL	SHEAR WALL CONSTRUCTION         PANEL ATTACHMENT         WALL ANCHORAGE           PANEL 5.6 MATERIAL         SIDES         PANEL 2 EDGES         PANEL FASTENER 3.9 NAILING         EDGE NAILING         FIELD NAILING         ANCHOR BOLT / 1.7 FASTENER         SPACING           1/2" GYPSUM WALLBOARD 4         BOTH SIDES BLOCKED NO. 6x1.1/4" SCREWS         4" O.C. 16" O.C. 16" O.C. 16d NAILS         4" O.C. 12" O.C. 15/8" x12" A.B. NON-RESIDE NON-RESIDENTIAL 16" O.C. 12" O.C.				

SHEAR WALL NOTES:

1. ANCHOR BOLTS SHALL HAVE 7" MIN. EMBEDMENT (ALL—THREAD EPOXY BOLTS W/ 7" MIN. EMBEDMENT MAY BE USED IN LIEU OF A.B. —SEE 3/S4.2)

2. PROVIDE SOLID BLOCKING AT ALL PANEL EDGES FOR WALLS INDICATED TO BE 'BLOCKED'

3. SCREWS FOR WALLBOARD SHALL BE TYPE 'W' OR 'S' DRYWALL SCREWS (5d COOLER OR WALLB'D NAILS MAY BE USED IN LIEU OF SCREWS)

4. USE 5/8" FIRE—RATED WALLBOARD WHERE REQUIRED FOR FIRE SEPARATION.

5. 3/8" FOR 7/16" OSB SHEATHING ON ONE SIDE OF WALL MAY BE USED IN LIEU OF GYPSUM WALLBOARD FOR ALL SHEAR/BRACED WALLS USING GYPSUM WALLBOARD NOTED ABOVE. ATTACH W/ 8d NAILS AT 6" O.C. AT PANEL EDGES AND 12" O.C. IN—FIELD. SOLID BLOCK.

6. OSB SHEATHING SHALL BE APA RATED (INT. GRADE WITH EXT. GLUE) WITH A MINIMUM 24/O SPAN RATING.

7. USE 16d NAILS AT 4" O.C. WALL ANCHORAGE WHEN WALL RESTS ON WOOD FLOOR FRAMING AND NOT DIRECTLY ON FOUNDATION WALL OR FOOTING. PROVIDE SOLID BLOCKING BELOW FLOOR SHEATHING.

8. TO HELP RESIST SEISMIC/WIND FORCES, ALL SHEAR WALLS SHALL BE ATTACHED TO THE TOP AND BOTTOM BY ONE OF THE METHODS SHOWN IN THE DETAILS ON SHEET S4.1 THRU 56.3, U.N.O.

9. 16 GAGE STAPLES WITH 7/16" MIN. CROWN WIDTH AND 1" MIN. PENETRATION INTO SUPPORTING FRAMING MEMBERS MAY BE USED IN LIEU OF NAILS AT A SPACING OF ONE—HALF THAT DESIGNATED FOR NAILS.

10.PROVIDE SHEATHING ON SIDE OF WALL WHERE MARK/LABEL IS LOCATED.

11. WHEN PANELS ARE APPLIED ON BOTH FACES OF A WALL PANEL, JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS, OR FRAMING SHALL BE 3" NOMINAL OR THICKER AT ADJOINING PANEL EDGES AND NAILS ON EACH SIDE SHALL BE STAGGERED.

	WALL MARK	
	SW1	1/2
	SW2	7/
	SW3	7/
	SW4	3/
	SW5	7/
	SHEAR 1. ANC 2. PRO 3. USE 4. 3 WASB 6. UPRO 1. PRO 1. PRO	U OF LBO SH

CONCRETE FOOTING SCHEDULE LENGTHWISE REINFORCING NO. SIZE LENGTH SPACE NO. SIZE LENGTH THICK. CONTINUOUS FOOTINGS CONT. | 10" | N/A | N/A | N/A | 2 | #4 | CONT. | BRICK VENEER STEEL ANGLE LINTEL SCHEDULE FC1.7 | 1'-8" | CONT. | 10" | N/A | N/A | N/A | 2 | #4 | CONT. | FC2.0 2'-0" CONT. 12" N/A N/A N/A N/A 3 #4 CONT. ANGLE SIZE **COMMENTS** #4 2'-0" 18" 4 #4 CONT. 8 FC2.5 | 2'-6" | CONT. | 12" #4 2'-6" 18" 5 #4 CONT. 7. FC3.0 3'-0" CONT. 12" 0'-0" TO 6'-11" L3.1/2"x3.1/2"x1/4" 7'-0" TO 8'-11" L4"x3.1/2"x1/4" 9'-0" TO 9'-11" L5"x3.1/2"x1/4" CONNECT STEEL ANGLE TO LVL BEAM WITH 1/2" DIA. x 3" LAG SCREWS AT 24" O.C. 10'-0" TO 18'-0" L5"x3.1/2"x1/4"

SQUAR	E FOOTING	SS									
FS2.0	2'-0"	2'-0"	12"	3	#4	1'-6"	9"	3	#4	1'-6"	9"
FS2.5	2'-6"	2'-6"	12"	4	#4	2'-0"	8"	4	#4	2'-0"	8"
FS3.0	3'-0"	3'-0"	12"	5	#4	2'-6"	7.5"	5	#4	2'-6"	7.5"
FS3.5	3'-6"	3'-6"	12"	5	#4	3'-0"	9"	5	#4	3'-0"	9"
FS4.0	4'-0"	4'-0"	12"	6	#4	3'-6"	8.4"	6	#4	3'-6"	8.4"
FS4.5	4'-6"	4'-6"	12"	6	#4	4'-0"	9.6"	6	#4	4'-0"	9.6"
FS5.0	5'-0"	5'-0"	14"	7	#4	4'-6"	9"	7	#4	4'-6"	9"
CONCR	TE FOOTIN	NG NOTES:									
		NG REINFORC	ING IN BOT	TOM OF F	OOTING W	ITH 3" CLE	AR CONCE	RETE COVE	R IINI FSS	NOTED O	THERWISE
Ž. ALS	PROVIDE	SCHEDULE	D REINFO	DRCING A	AT TOP	OF FOOTI	NG WHEN	NOTED	ON PLA	NS	IIILIKWIOL.
	- CONTINU	JOUS FOOT	ING; FS -	- SQUAF	RE FOOTI	NG					
•											

105	MARK	SIMPSON CONNECTOR	ATTACHMENT	COMMENTS
ACE	A34	A34 ANCHOR	(8)-8d NAILS	
2"	A35	A35 ANCHOR	(12)-8d NAILS	
4"	CS14x40	CS14x40" LONG STRAP	FILL HOLES WITH 10d NAILS	SEE DETAIL 1/S6.2
)"	CS14x48	CS14x48" LONG STRAP	FILL HOLES WITH 10d NAILS	SEE DETAIL 2/S6.2
3"	CS16x40	CS16x40" LONG STRAP	FILL HOLES WITH 8d NAILS	SEE DETAIL 1/S6.2
5"	CS16x48	CS16x48" LONG STRAP	FILL HOLES WITH 8d NAILS	SEE DETAIL 2/S6.2
	DSC5R <sup>2</sup>	DSC5R/L-SDS3 TWIST STRAP	(24)-SDS 1/4"x3"	SIM. TO DETAIL 9/S6.1
	H1	H1 ANCHOR	(10)-8d NAILS	
)''	HTS30C <sup>2</sup>	HTS30C TWIST STRAP	(20)-10d NAILS	SEE DETAIL 9/S6.1
3"	LTP4	LTP4 ANCHOR	(12)-8d NAILS	
5"	MST37	MST37 STRAP	(42) 16d NAILS	SEE DETAIL 10&11&12/S6.1
)"	MST48	MST48 STRAP	(34)–16d NAILS	SEE DETAIL 6/S5.2
4''	MSTA21	MSTA21 STRAP	(16) 10d NAILS	SEE DETAIL 6/S5.2
6''	MSTC48B3	MSTC48B3 STRAP	(54) 10d NAILS	SEE SIMPSON CATALOG
)"	MTS24C <sup>2</sup>	MT24C TWIST STRAP	(14) 10d NAILS	SEE DETAIL 11/S5.1 & 9/S6.2
	MTS30C <sup>2</sup>	MTS30C TWIST STRAP	(14) 10d NAILS	SEE DETAIL 9/S6.1
		NECTOR NOTES:		
RWISE.	I I FNGTH N	NAII S	ALLED IN 1.1/2" WOOD THICKNESS. ED PRIOR TO INSTALLATION OF WAL IG TRUSSES. COORDINATE AS NECE	

METAL CONNECTOR SCHEDULE

**GENERAL STRUCTURAL NOTES** 

CONCRETE, FOOTINGS, AND FOUNDATIONS

ALL FOOTINGS SHALL BE ESTABLISHED ON UNDISTURBED SOIL OR COMPACTED STRUCTURAL FILL. ALL EXTERIOR FOOTINGS SHALL HAVE A MINIMUM DEPTH OF 30", OR THE LOCAL FROST DEPTH, WHICHEVER IS GREATER, BELOW FINISHED GRADE.

THE NATURAL UNDISTURBED SOIL BELOW ALL FOOTINGS SHALL BE VERIFIED FOR BEARING SUITABILITY. REMOVE ALL SOFT SPOTS AND REPLACE WITH COMPACTED STRUCTURAL FILL

D. COMPACTED STRUCTURAL FILL: ALL FILL MATERIAL SHALL BE A WELL—GRADED GRANULAR MATERIAL WITH A MAXIMUM SIZE LESS THAN 4 INCHES AND WITH NOT MORE THAN 10 PERCENT PASSING A NO. 200 SIEVE. IT SHALL BE COMPACTED TO 95 PERCENT OF THE MAXIMUM LABORATORY DENSITY AS DETERMINED BY ASTM D 1557. ALL FILLS SHALL BE TESTED. COMPACTED STRUCTURAL FILL SHALL BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN UNCOMPACTED THICKNESS.

THE MINIMUM 28 DAY COMPRESSIVE STRENGTH OF CONCRETE FOR FOOTINGS AND FOUNDATIONS SHALL BE 2500 psi FOR COMMERCIAL OR NON-RESIDENTIAL STRUCTURES AND 3000 psi FOR RESIDENTIAL STRUCTURES. USE 4000 psi FOR SUSPENDED SLABS AND ALL OTHER CONCRETE

H. REINFORCEMENT STEEL SHALL BE GRADE 60 (Fy = 60 KSI).

J. AT CONTRACTOR'S AND/OR OWNER'S OPTION USE EPOXY COATED REBAR IN SUSPENDED SLABS FOR EXTENDED SLAB LIFE.

K. EPOXY BOLTS SHALL BE ALL—THREAD GRADE A307 MIN. SMOOTH SHANK OR EXPANSION BOLTS (WEDGE ANCHORS) SHALL NOT BE USED.

L. REINFORCEMENT STEEL SHALL MEET THE FOLLOWING CONCRETE COVER REQUIREMENTS:

. CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH ---- 3"
2. FORMED CONCRETE EXPOSED TO EARTH OR WEATHER ---- 1.1/2"
3. FORMED CONCRETE NOT EXPOSED TO EARTH OR WEATHER --- 3/4"

M. REINFORCEMENT STEEL SHALL HAVE THE FOLLOWING MINIMUM LAP SPLICE LENGTHS, UNLESS NOTED OTHERWISE ON DRAWINGS 1. 30 BAR DIA. FOR #3 AND #4 BARS 2. 40 BAR DIA. FOR #5 THRU #8 BARS

FOR ALL OPENINGS LESS THAN 6'-6" IN CONCRETE FOUNDATION WALLS, PROVIDE A 10" DEEP CONCRETE HEADER WITH (2)-#4 BARS MINIMUM, UNLESS NOTED OTHERWISE. EXTEND BARS 24" MINIMUM BEYOND EDGE OF THE OPENINGS AND PLACE BARS 2" ABOVE TOP OF OPENING. CONTACT THE ENGINEER FOR REINFORCING OF OPENINGS GREATER THAN 6'-6" IF NOT NOTED ON PLANS.

D. FOUNDATION ANCHOR BOLTS SHALL BE 5/8" DIA. x12" MIN. FOR COMMERCIAL OF NON-RESIDENTIAL STRUCTURES AND 1/2" DIA. x10" MIN. FOR RESIDENTIAL STRUCTURES UNLESS NOTED OTHERWISE. SPACING OF ANCHOR BOLTS SHALL BE 32" O.C. MAX. WITH ONE LOCATED AT LEAST WITHIN 4" TO 12" OF EACH END OF SILL PLATE. SEE SHEAR WALL SCHEDULE FOR MORE STRINGENT ANCHOR BOLT REQUIREMENTS AT SPECIFIC SHEAR WALLS.

1. PROVIDE 7" MIN. EMBEDMENT INTO CONCRETE. 2. USE 0.229"x3"x3" PLATE WASHERS AT BOLTS FOR PLATE ANCHORAGE. 3. EPOXY BOLTS MAY BE USED IN LIEU OF ANCHOR BOLTS (SEE DETAIL 3/S4.2).

ALL WOOD IN CONTACT WITH CONCRETE, MASONRY, OR SOIL SHALL CONSIST OF TREATED WOOD OR HAVE A MOISTURE BARRIER PLACED BETWEEN WHICH MEETS THE CODE REQUIREMENTS. FASTENERS INTO TREATED WOOD SHALL BE OF HOT-DIPPED GALVANIZED STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER.

II. WOOD FRAMING: A. MATERIALS:

SYMBOL / ABBREVIATION

A.B. ABV.

BLW.

BRG.

C.J.

CONC.

CONT.

DET.

FDTN.

FTG.

G.L.B.

MAX.

o.c.

OPP.

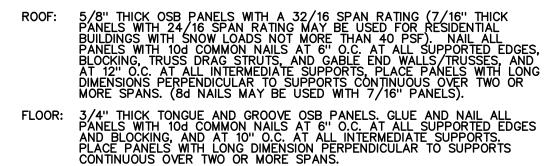
SIM.

TYP.

U.N.O.

EA.

GLU-LAM TIMBER: 24F-V4 DF/DF
 FRAMING LUMBER: DOUGLAS FIR-LARCH NO. 2 OR BETTER
 SHEATHING: APA RATED (INT. GRADE WITH EXT. GLUE) AS FOLLOWS
WITH THE FOLLOWING MINIMUM NAILING REQUIREMENTS, U.N.O. PLACE ROOF AND
FLOOR SHEATHING IN STAGGERED LAYOUT.



7/16" THICK OSB PANELS. UNLESS NOTED OTHERWISE IN THE SHEAR WALL SCHEDULE, NAIL ALL PANELS WITH 8d COMMON NAILS AT 4" O.C. AT ALL EDGES AND AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS.

16 GAGE STAPLES WITH 7/16" MIN. CROWN WIDTH AND 1" MIN. PENETRATION INTO SUPPORTING FRAMING MEMBERS MAY BE USED IN LIEU OF NAILS AT A SPACING OF ONE—HALF THAT DESIGNATED FOR NAILS.

. PROVIDE SUPPORT STUDS AT THE ENDS OF ALL BEAMS, HEADERS, AND GIRDER TRUSSES AS FOLLOWS, UNLESS NOTED OTHERWISE:

SPANS LESS THAN 5'-0": 1 SUPPORT STUD MINIMUM. SPANS 5'-0" TO 10'-0": 2 SUPPORT STUDS MINIMUM. SPANS 10'-0" TO 14'-0": 3 SUPPORT STUDS MINIMUM. SPANS GREATER THAN 14'-0": 4 SUPPORT STUDS MINIMUM.

ADDITIONALLY, SUPPORT STUDS SHALL AT LEAST MATCH THE WIDTH OF THE BEAM, HEADER, AND GIRDER TRUSS AND THE WIDTH OF THE SUPPORTING WALL. FOR SPANS OF 6'-0" AND GREATER, AT EXTERIOR WALLS, PROVIDE A MINIMUM OF 2 FULL HEIGHT KING STUDS (TOP PLATE TO BOTTOM PLATE) AT THE ENDS OF ALL BEAMS, UNLESS NOTED OTHERWISE. FOR SPANS LESS THAN 6'-0", PROVIDE A MINIMUM OF 1 FULL HEIGHT KING STUD.

D. USE APPROPRIATE SIMPSON POST CAPS / TIES TO CONNECT BEAMS TO POSTS / STUDS FOR SPANS OF 6'-0" AND GREATER.

WALL LEGEND AND ABBREVIATIONS

DESCRIPTION

"CONTROL/CONSTRUCTION JOINT"

ANCHOR BOLT"

AS PER OWNER"

'ABOVE"

"BELOW"

"BEARING"

CONTINUOUS

"FOUNDATION"

"GLU-LAM BEAM"

"FOOTING"

MAXIMUM"

MINIMUM"

"ON CENTER"

'OPPOSITE'

"SIMILAR"

TYPICAL"

"UNLESS NOTED OTHERWISE"

"DETAIL"

"EACH"

ALL WOOD POSTS SHALL HAVE APPROPRIATE SIMPSON POST CAPS AND BASE CONNECTORS INSTALLED GOOD FOR AT LEAST 900 POUNDS UPLIFT. WOOD POSTS INSTALLED ON CONCRETE SHALL HAVE AT LEAST A 1" STANDOFF BASE. WHERE POSTS ARE INSTALLED ON CONC. PIERS OR FOOTINGS SEE DETAILS 9/S4.1, 10/S4.1 AND 8/S4.2 FOR ADDITIONAL INFORMATION.

USE APPROPRIATE SIMPSON HANGERS WHERE JOISTS AND BEAMS NEED TO HANG FROM SUPPORTING BEAMS. USE TOP FLANGE HANGERS, UNLESS NOTED OTHERWISE ON THE DRAWNGS, AS PER DETAIL 10/S5.2.

SYMBOL / ABBREVIATION

DESCRIPTION

BRICK/NATURAL STONE

CONC. FDTN. WALL

STEPPED FOOTING

2x6 BEARING WALL

2x6 NON-BEARING WALL

2x4 NON-BEARING WALL

HEADER/BEAM

6x6 POST

2x6 NON-BEARING SHEAR WALL

x4 NON-BEARING SHEAR WALL

NOTCH IN TOP OF FDTN. WALL

ALL METAL CONNECTORS, STRAPS, HOLDOWNS, HANGERS, ETC. CALLED OUT ON THE DRAWINGS SHALL BE INSTALLED WITH APPROPRIATE NAILS, SCREWS, BOLTS, ATTACHMENTS, ETC. AS PER THE MANUFACTURER'S RECOMMENDATIONS.

I. 2-PLY AND 3-PLY MEMBER BEAMS AND HEADERS SHALL BE NAILED TOGETHER WITH A MINIMUM OF 2 ROWS OF 16d NAILS AT 12" O.C. FOR BEAM DEPTHS 12 INCHES OR LESS. USE 3 ROWS OF 16d NAILS AT 12" O.C. FOR BEAM DEPTHS GREATER THAN 12 INCHES. 4-PLY MEMBER BEAMS SHALL HAVE 2 ROWS OF 1/2" DIA. THRU-BOLTS WITH WASHERS AT 12" O.C. IN ADDITION TO THE NAILING SPECIFIED ABOVE.

BEARING AND EXTERIOR WALLS SHALL BE CAPPED WITH DOUBLE TOP PLATES. END JOINTS OF SPLICES IN DOUBLE TOP PLATES SHALL BE OFFSET AT LEAST 48" O.C. AND NAILED WITH 16d NAILS AT 4" O.C. WITHIN THE OVERLAPPED LENGTH. OVERLAP THE PLATES AT CORNERS AND AT INTERSECTIONS.

EXTERIOR WALLS SHALL HAVE SHEATHING PROVIDED AND NAILED AS PER THE SHEAR WALL SCHEDULE AND GENERAL NOTES TO FUNCTION AS SHEAR OR BRACED WALLS.

L. ATTACH ALL ROOF TRUSSES AND RAFTERS TO ALL BEARING WALLS AND BEAMS WITH SIMPSON H1 ANCHORS, UNLESS NOTED OTHERWISE. PROVIDE SOLID BLOCKING BETWEEN TRUSSES.

M. UNLESS NOTED OTHERWISE ON DRAWINGS, NAILING OF ALL STRUCTURAL MEMBERS SHALL COMPLY WITH TABLES R602.3(1) TO R602.3(5).

III. PRE-FABRICATED WOOD TRUSSES:

A. THE TRUSS MANUFACTURER IS RESPONSIBLE FOR THE DESIGN AND FABRICATION OF THE TRUSSES. THE TRUSSES SHALL BE DESIGNED TO MEET THE MINIMUM LOAD AND CODE REQUIREMENTS FOR THE GIVEN LOCALITY OF CONSTRUCTION AND SHALL BE APPROVED BY A LICENSED ENGINEER.

I. IF TRUSSES ARE UNABLE TO BE DESIGNED TO WORK WITH THE LAYOUT AS SHOWN IN THE DRAWINGS (INCLUDING ATTIC BONUS ROOMS, VAULTED CEILINGS, RAISED CEILINGS, ETC.), NOTIFY THE DESIGNER AND CONTRACTOR FOR RESOLUTION BEFORE PROCEEDING WITH FABRICATION OF TRUSSES.

THE DESIGN AND BEARING OF TRUSSES SHALL BE COORDINATED WITH THE DRAWINGS. SEE WALL LEGEND ON SHEET S1.1 AND OTHER NOTES ON DRAWINGS FOR LOCATIONS OF BEARING WALLS. DO NOT DESIGN TRUSSES TO BEAR ON NON-BEARING WALLS.

TRUSSES THAT EXTEND OUT OVER EXTERIOR BEARING WALLS TO COVER A PORCH, PATIO, OR DECK SHALL BE DESIGNED TO BEAR ON THE EXTERIOR BEARING WALLS TO TRANSFER LOAD AWAY FROM THE PORCH, PATIO, OR DECK BEAMS, UNLESS NOTED OTHERWISE.

E. AT ROOF OVERBUILD AREAS PROVIDE OVERBUILD TRUSSES AS PER TRUSS MANUFACTURER OR STICK FRAME AS PER DETAIL 6/S6.2

SHOP DRAWING SUBMITTAL: CONTRACTOR SHALL SUBMIT COMPLETE CALCULATIONS AND SHOP DRAWINGS SHOWING PROPOSED TRUSS LAYOUT AND DESIGN TO BE REVIEWED BY THE ENGINEER BEFORE FABRICATION. THE REVIEW PERFORMED BY THE ENGINEER SHALL BE FOR GENERAL CONFORMANCE TO THE DESIGN CONCEPT ONLY. CORRECTIONS OR COMMENTS MADE ON THE SHOP DRAWINGS DURING THIS REVIEW DO NOT RELIEVE THE CONTRACTOR FROM COMPLIANCE WITH THE REQUIREMENTS OF THE PLANS OR OF THE TRUSS SPECIFICATIONS. ALSO, THE CONTRACTOR SHALL NOTIFY THE ENGINEER IN WRITING OF ANY PROPOSED DEVIATIONS FROM THE DESIGN CONCEPT SHOWN IN THESE PLANS.

IV. STRUCTURAL STEEL:

A. MATERIALS: 1. WIDE FLANGE SECTIONS: ASTM A572 (50 ksi)
2. TUBES: ASTM A500 (46 ksi)
3. PIPE COLUMNS: ASTM A53, TYPES E OR S, GRADE B
4. OTHER SHAPES AND PLATES: ASTM A36
5. DEFORMED BAR ANCHORS (DBA): ASTM A496
6. HEADED STUD ANCHORS (HSA): ASTM A108
7. BOLTED CONNECTIONS: ASTM A325
8. ANCHOR BOLTS: ASTM A307

B. FABRICATION AND CONSTRUCTION SHALL COMPLY WITH THE LATEST IBC AND AISC CODES.

V. BRICK VENEER:

BRICK VENEER SHALL BE ATTACHED TO THE SUPPORTING WALL WITH CORROSION—RESISTANT METAL TIES. WHERE VENEER IS ANCHORED THROUGH THE USE OF CORRUGATED SHEET METAL TIES, THE TIES SHALL BE NO. 22 U.S. GAGE BY 7/8" MINIMUM AND THE DISTANCE SEPARATING THE VENEER FROM THE FACE OF THE SUPPORTING WALL SHALL BE A MAXIMUM OF 1 INCH. WHERE THE VENEER IS ANCHORED THROUGH THE USE OF METAL STRAND WIRE TIES, THE TIES SHALL BE NO. 9 U.S. GAGE WIRE MINIMUM AND THE DISTANCE SEPARATING THE VENEER FROM THE FACE OF THE SUPPORTING WALL SHALL BE A MAXIMUM OF 4.5 INCHES. TIES SHALL BE SPACED SO THEY INDIVIDUALLY SUPPORT NOT MORE THAN 2 SQUARE FEET OF VENEER AREA AND SHALL NOT BE SPACED MORE THAN 24 INCHES ON CENTER HORIZONTALLY AND VERTICALLY.

B. SEE THE BRICK VENEER STEEL ANGLE LINTEL SCHEDULE FOR BRICK SUPPORT OVER WALL OPENINGS.

PROVIDE FOR BRICK OR STONE VENEER INSTALLATIONS AT THE FOUNDATION CORROSION RESISTANT FLASHING EXTENDING UP A MINIMUM OF 3 COURSES WITH 3/16" WEEP HOLES EVERY 33" O.C. AND SUCH FLASHING MUST EXTEND 1/2" BEYOND THE FOUNDATION. THIS FLASHING IS REQUIRED WHERE STUCCO WEEP SCREEDS DO NOT EXTEND PAST FOUNDATIONS. FLASHING WHICH DO NOT EXTEND BEYOND OR BELOW THE FOUNDATION WILL NOT BE ACCEPTABLE. (ICE & WATER SHIELD OR SIMILAR MATERIALS).

VI. SPECIAL NOTES:

A. ALL WORK IS TO BE CONSISTENT WITH BEST BUILDING PRACTICES AND CONFORM TO LOCAL BUILDING CODE REQUIREMENTS. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS BEFORE STARTING CONSTRUCTION.

B. THE OWNER AND ALL CONTRACTORS INVOLVED WITH THE PROJECT SHALL THOROUGHLY REVIEW AND BECOME FAMILIAR WITH THESE DRAWINGS BEFORE PROCEEDING WITH CONSTRUCTION.

ALL OMISSIONS OR CONFLICTS, INCLUDING DIMENSIONS, BETWEEN THE VARIOUS ELEMENTS OF THE DRAWINGS, DETAILS, AND/OR NOTES SHALL BE BROUGHT TO THE ATTENTION OF THE DESIGNER BEFORE PROCEEDING WITH ANY WORK INVOLVED. IN CASE OF CONFLICT, FOLLOW THE MOST STRINGENT REQUIREMENT SHOWN.

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VII. ADDITIONS AND REMODELS:

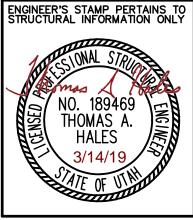
A. CONTRACTOR SHALL FIELD VERIFY ALL DIMENSIONS AND EXISTING CONDITIONS BEFORE STARTING CONSTRUCTION. DIMENSIONS SHOWN ON THE DRAWINGS ARE APPROXIMATE AND MAY NEED TO BE ADJUSTED WITHIN REASON, TO WORK WITH EXISTING CONDITIONS. ANY OMISSION OR CONFLICT OF INFORMATION BETWEEN THE DRAWINGS AND EXISTING CONDITIONS, OR ANY DETRIMENTAL CONDITIONS DISCOVERED DURING THE COURSE OF CONSTRUCTION, SHALL BE BROUGHT TO THE ATTENTION OF THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.

B. ONLY THE NEW AREAS OF CONSTRUCTION HAVE BEEN CHECKED TO MEET LOCAL STRUCTURAL CODES. THERE HAS BEEN NO ATTEMPT TO CHECK THE EXISTING STRUCTURE FOR INADEQUACIES OR WHETHER THEY MEET LOCAL STRUCTURAL CODES. THE OWNER ASSUMES ALL LIABILITIES OR RISKS ASSOCIATED WITH THE EXISTING STRUCTURE AND ITS INTEGRATION WITH NEW AREAS OF CONSTRUCTION.

C. TIE ALL NEW FOOTING AND FOUNDATION WALLS TO EXISTING FOOTING AND FOUNDATION WALLS WITH EPOXY DOWELED REBAR. —SEE DETAIL 4/S4.2

D. CONTRACTOR SHALL FIELD VERIFY THAT EXISTING ROOF FRAMING IS IN GOOD CONDITION BEFORE STARTING CONSTRUCTION. NOTIFY THE ENGINEER IF STRUCTURAL CONCERNS EXIST.

	SHEET INDEX	
SHEET	DESCRIPTION	]
S1.1	INDEX, GENERAL STRUCTURAL NOTES, SCHEDULES	
S2.1 S2.2	ELEVATIONS BASEMENT AND FOUNDATION PLAN (FLOOR FRAMING)	
S2.3	MAIN FLOOR PLAN (ROOF AND UPPER FLOOR FRAMING)	-1
S2.4	UPPER FLOOR PLAN (ROOF FRAMING)	
S3.1	ROOF LAYOUT, STAIR DETAIL, AND ELECTRICAL PLAN	EN ST
S4.1	FOOTING AND FOUNDATION DETAILS	┨┃
S4.2	FOOTING AND FOUNDATION DETAILS	
S5.1	FLOOR FRAMING DETAILS	11.
S5.2	FLOOR FRAMING DETAILS	-   I 7⁄
S6.1	ROOF FRAMING DETAILS	$\exists I \; I \vdash$
S6.2	ROOF FRAMING DETAILS	<b>∥</b>
S6.3	NOT USED	<b>IJ</b> Ι'
S7.1	SUSPENDED SLAB FRAMING DETAILS	



CONTRACTOR & OWNER SHALL VERIFY ALL DIMENSIONS, AREAS, AND CONDITIONS, READ ALL NOTES AND BECOME THOROUGHLY FAMILIAR WITH THE DRAWINGS PRIOR TO CONSTRUCTION.

S

Longfellow, Dennis & Cathy (original drawing)

BRICK VENEER STEEL ANGLE LINTEL NOTES:

. ALL STEEL LINTELS SHALL HAVE A MINIMUM BEARING LENGTH OF 1" PER FOOT OF OPENING OR 4" MINIMUM TYPICAL. MAXIMUM BEARING LENGTH NEED NOT EXCEED 12". LINTELS ARE DESIGNED TO SUPPORT UNIFORM LOADS CONSISTING ONLY OF WEIGHT OF WALL WITHIN A 60 DEGREE ISOCELES TRIANGLE AREA ABOVE OPENING. ALL STEEL LINTELS ARE TO HAVE LONG LEG VERTICAL. ALL ANGLE LINTELS SHALL BE CORROSIVE RESISTANT.

OPENING SIZE

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NOTICE:

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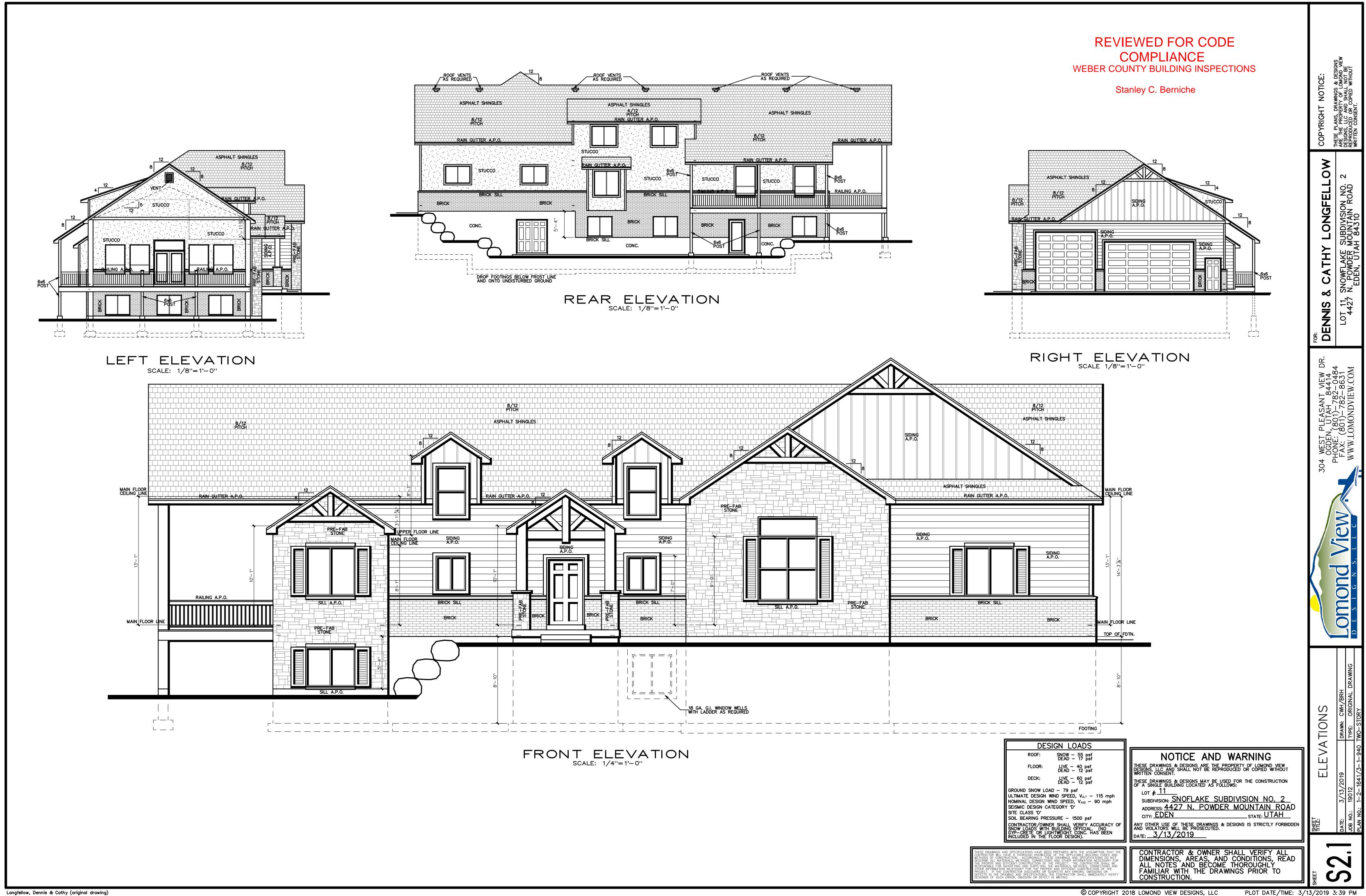
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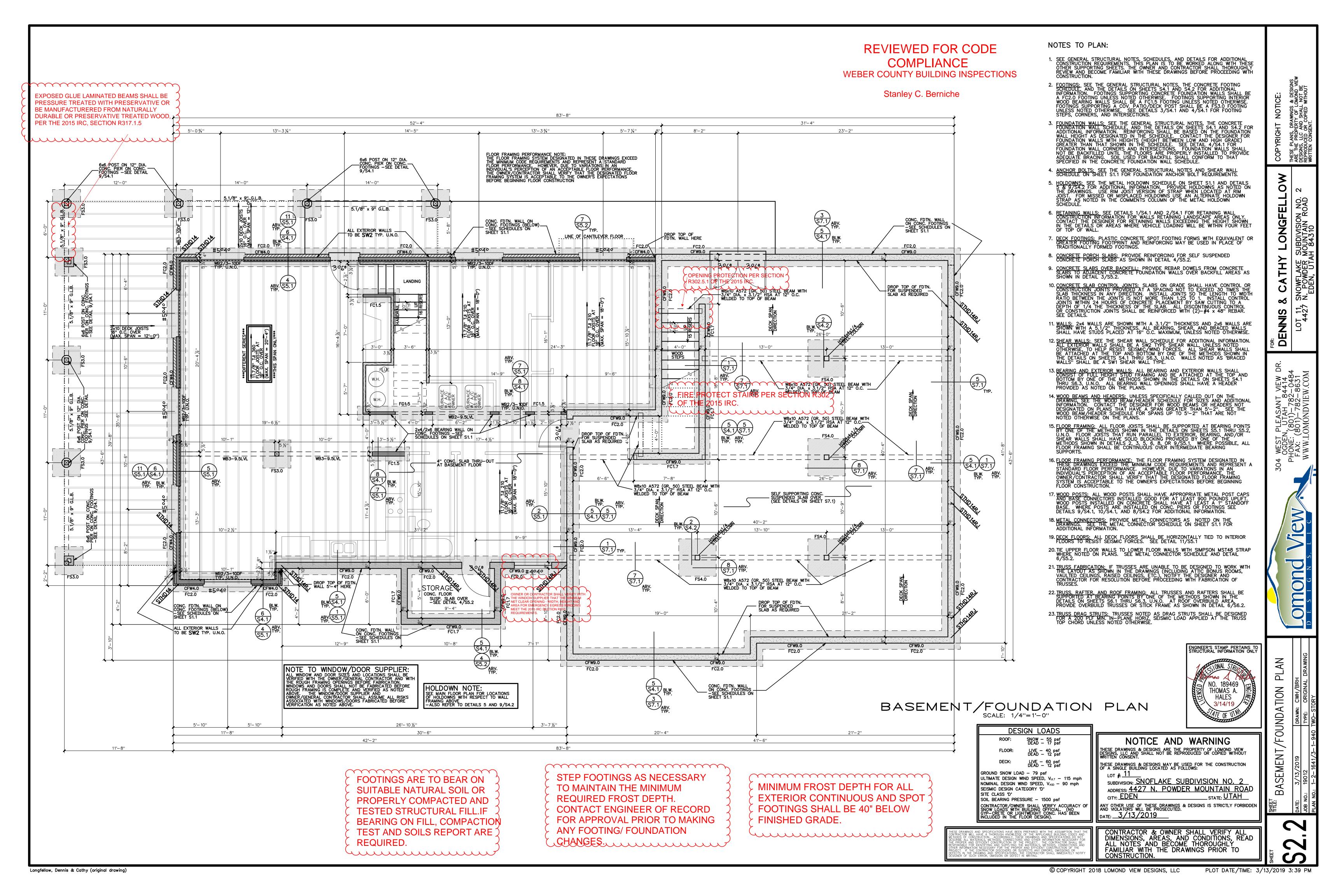
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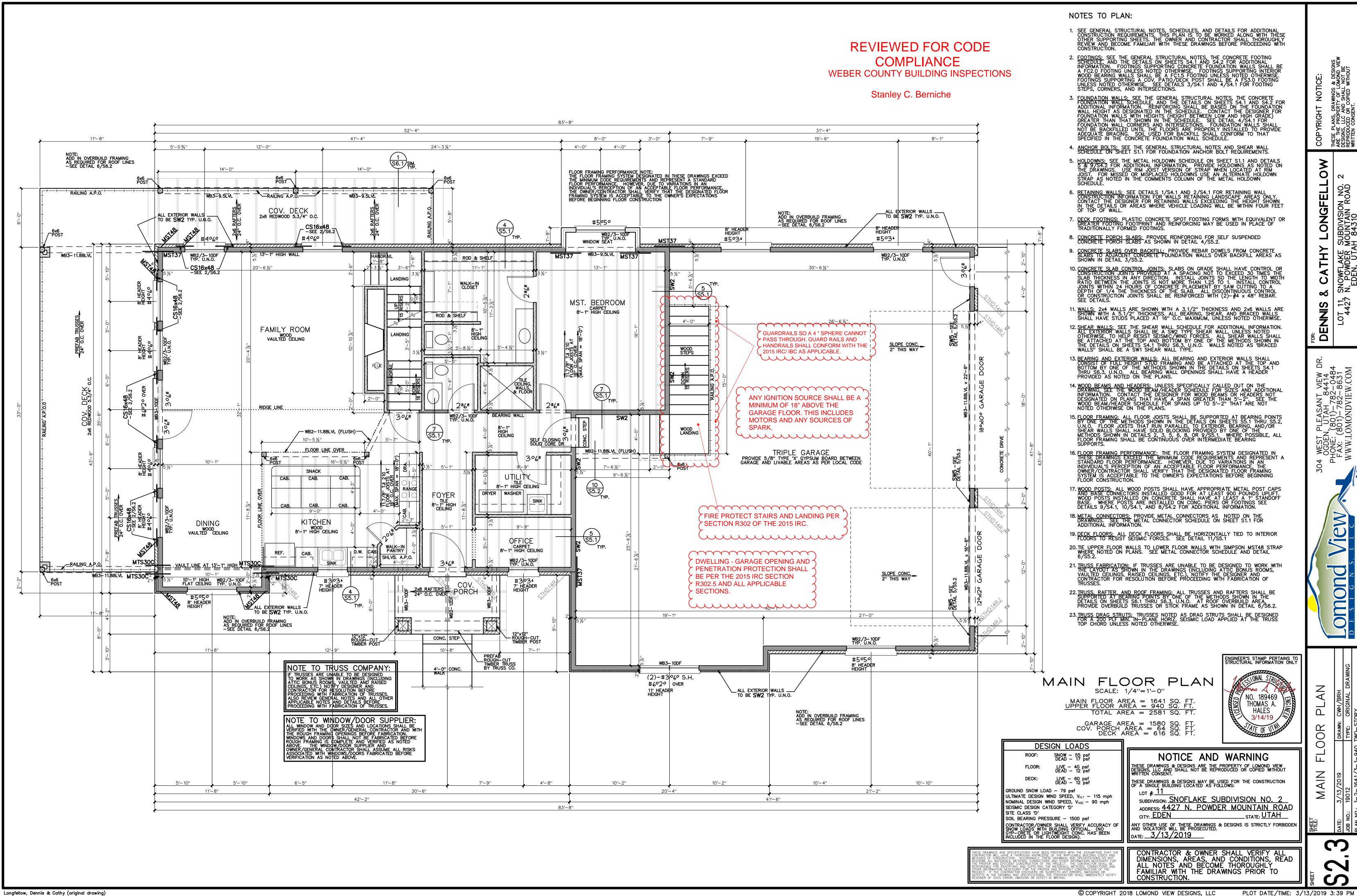
SCHEDNLES NOTES,

CTURAL

GENERAL







LONGFELLOW

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3

NOTES TO PLAN:

REVIEWED FOR CODE

COMPLIANCE

WEBER COUNTY BUILDING INSPECTIONS

Stanley C. Berniche

. HOLDOWNS: SEE THE METAL HOLDOWN SCHEDULE ON SHEET S1.1 AND DETAILS 5 & 9/S4.2 FOR ADDITIONAL INFORMATION. PROVIDE HOLDOWNS AS NOTED ON THE DRAWINGS. USE RIM JOIST VERSION OF STRAP WHEN LOCATED AT RIM JOIST. FOR MISSED OR MISPLACED HOLDOWNS USE AN ALTERNATE HOLDOWN STRAP AS NOTED IN THE COMMENTS COLUMN OF THE METAL HOLDOWN

RETAINING WALLS: SEE DETAILS 1/S4.1 AND 2/S4.1 FOR RETAINING WALL CONSTRUCTION INFORMATION FOR WALLS RETAINING LANDSCAPE AREAS ONLY. CONTACT THE DESIGNER FOR RETAINING WALLS EXCEEDING THE HEIGHT SHOWN IN THE DETAILS OR AREAS WHERE VEHICLE LOADING WILL BE WITHIN FOUR FEET OF TOP OF WALL.

. <u>DECK FOOTINGS</u>: PLASTIC CONCRETE SPOT FOOTING FORMS WITH EQUIVALENT OR GREATER FOOTING FOOTPRINT AND REINFORCING MAY BE USED IN PLACE OF TRADITIONALLY FORMED FOOTINGS.

8. CONCRETE PORCH SLABS: PROVIDE REINFORCING FOR SELF SUSPENDED CONCRETE PORCH SLABS AS SHOWN IN DETAIL 4/S5.2.

9. CONCRETE SLABS OVER BACKFILL: PROVIDE REBAR DOWELS FROM CONCRETE SLABS TO ADJACENT CONCRETE FOUNDATION WALLS OVER BACKFILL AREAS AS SHOWN IN DETAIL 3/S5.2. 10. CONCRETE SLAB CONTROL JOINTS: SLABS ON GRADE SHALL HAVE CONTROL OR CONSTRUCTION JOINTS PROVIDED AT A SPACING NOT TO EXCEED 30 TIMES THE SLAB THICKNESS IN ANY DIRECTION. INSTALL JOINTS SO THE LENGTH TO WIDTH RATIO BETWEEN THE JOINTS IS NOT MORE THAN 1.25 TO 1. INSTALL CONTROL JOINTS WITHIN 24 HOURS OF CONCRETE PLACEMENT BY SAW CUTTING TO A DEPTH OF 1/4 THE THICKNESS OF THE SLAB. ALL DISCONTINUOUS CONTROL OR CONSTRUCTION JOINTS SHALL BE REINFORCED WITH (2)—#4 x 48" REBAR.

I. <u>WALLS:</u> 2x4 WALLS ARE SHOWN WITH A 3.1/2" THICKNESS AND 2x6 WALLS ARE SHOWN WITH A 5.1/2" THICKNESS. ALL BEARING, SHEAR, AND BRACED WALLS SHALL HAVE STUDS PLACED AT 16" O.C. MAXIMUM, UNLESS NOTED OTHERWISE. SHEAR WALLS: SEE THE SHEAR WALL SCHEDULE FOR ADDITIONAL INFORMATION. ALL EXTERIOR WALLS SHALL BE A SW2 TYPE SHEAR WALL, UNLESS NOTED OTHERWISE, TO HELP RESIST SEISMIC/WIND FORCES. ALL SHEAR WALLS SHALL BE ATTACHED AT THE TOP AND BOTTOM BY ONE OF THE METHODS SHOWN IN THE DETAILS ON SHEETS S4.1 THRU S6.3, U.N.O. WALLS NOTED AS 'BRACED WALLS" SHALL BE A SW1 SHEAR WALL TYPE.

13. BEARING AND EXTERIOR WALLS: ALL BEARING AND EXTERIOR WALLS SHALL CONSIST OF FULL HEIGHT STUD FRAMING AND BE ATTACHED AT THE TOP AND BOTTOM BY ONE OF THE METHODS SHOWN IN THE DETAILS ON SHEETS S4.1 THRU S6.3, U.N.O. ALL BEARING WALL OPENINGS SHALL HAVE A HEADER PROVIDED AS NOTED ON THE PLANS.

WOOD BEAMS AND HEADERS: UNLESS SPECIFICALLY CALLED OUT ON THE DRAWING, SEE THE WOOD BEAM/HEADER SCHEDULE FOR SIZES AND ADDITIONAL INFORMATION. CONTACT THE DESIGNER FOR WOOD BEAMS OR HEADERS NOT DESIGNATED ON PLANS THAT HAVE A SPAN GREATER THAN 5'-2". SEE THE WOOD BEAM/HEADER SCHEDULE FOR SPANS UP TO 5'-2" THAT ARE NOT NOTED OTHERWISE ON THE PLANS.

15. FLOOR FRAMING: ALL FLOOR JOISTS SHALL BE SUPPORTED AT BEARING POINTS BY ONE OF THE METHODS SHOWN IN THE DETAILS ON SHEETS S5.1 THRU S5.2, U.N.O. FLOOR JOISTS THAT RUN PARALLEL TO EXTERIOR, BEARING, AND/OR SHEAR WALLS SHALL HAVE SOLID BLOCKING PROVIDED BY ONE OF THE METHODS SHOWN IN DETAILS 2, 3, 5, 6, 8, OR 9/S5.1. WHERE POSSIBLE, ALL FLOOR FRAMING SHALL BE CONTINUOUS OVER INTERMEDIATE BEARING SUPPORTS

16. FLOOR FRAMING PERFORMANCE: THE FLOOR FRAMING SYSTEM DESIGNATED IN THESE DRAWINGS EXCEED THE MINIMUM CODE REQUIREMENTS AND REPRESENT A STANDARD FLOOR PERFORMANCE. HOWEVER, DUE TO VARIATIONS IN AN INDIVIDUAL'S PERCEPTION OF AN ACCEPTABLE FLOOR PERFORMANCE, THE OWNER/CONTRACTOR SHALL VERIFY THAT THE DESIGNATED FLOOR FRAMING SYSTEM IS ACCEPTABLE TO THE OWNER'S EXPECTATIONS BEFORE BEGINNING FLOOR CONSTRUCTION. . WOOD POSTS: ALL WOOD POSTS SHALL HAVE APPROPRIATE METAL POST CAPS AND BASE CONNECTORS INSTALLED GOOD FOR AT LEAST 900 POUNDS UPLIFT. WOOD POSTS INSTALLED ON CONCRETE SHALL HAVE AT LEAST A 1" STANDOFF BASE. WHERE POSTS ARE INSTALLED ON CONC. PIERS OR FOOTINGS SEE DETAILS 9/S4.1, 10/S4.1, AND 8/S4.2 FOR ADDITIONAL INFORMATION.

18. METAL CONNECTORS: PROVIDE METAL CONNECTORS AS NOTED ON THE DRAWINGS. SEE THE METAL CONNECTOR SCHEDULE ON SHEET S1.1 FOR ADDITIONAL INFORMATION.

19. <u>DECK FLOORS:</u> ALL DECK FLOORS SHALL BE HORIZONTALLY TIED TO INTERIOR FLOORS TO RESIST SEISMIC FORCES. SEE DETAIL 11/S5.1

20. TIE UPPER FLOOR WALLS TO LOWER FLOOR WALLS WITH SIMPSON MST48 STRAP WHERE NOTED ON PLANS. SEE METAL CONNECTOR SCHEDULE AND DETAIL 6/S5.2.

21. TRUSS FABRICATION: IF TRUSSES ARE UNABLE TO BE DESIGNED TO WORK WITH THE LAYOUT AS SHOWN IN THE DRAWINGS (INCLUDING ATTIC BONUS ROOMS, VAULTED CEILINGS, RAISED CEILINGS, ETC.), NOTIFY THE DESIGNER AND CONTRACTOR FOR RESOLUTION BEFORE PROCEEDING WITH FABRICATION OF

22. TRUSS. RAFTER, AND ROOF FRAMING: ALL TRUSSES AND RAFTERS SHALL BE SUPPORTED AT BEARING POINTS BY ONE OF THE METHODS SHOWN IN THE DETAILS ON SHEETS S6.1 THRU S6.3, U.N.O. AT ROOF OVERBUILD AREA, PROVIDE OVERBUILD TRUSSES OR STICK FRAME AS SHOWN IN DETAIL 6/S6.2. 23.TRUSS DRAG STRUTS: TRUSSES NOTED AS DRAG STRUTS SHALL BE DESIGNED FOR A 200 PLF MIN. IN—PLANE HORIZ. SEISMIC LOAD APPLIED AT THE TRUSS TOP CHORD UNLESS NOTED OTHERWISE.

> ENGINEER'S STAMP PERTAINS TO STRUCTURAL INFORMATION ONLY NO. 189469 THOMAS A. HALES

UPPER FLOOR PLAN SCALE: 1/4''=1'-0''UPPER FLOOR AREA = 940 SQ. FT.

> DESIGN LOADS FLOOR: GROUND SNOW LOAD - 79 psf

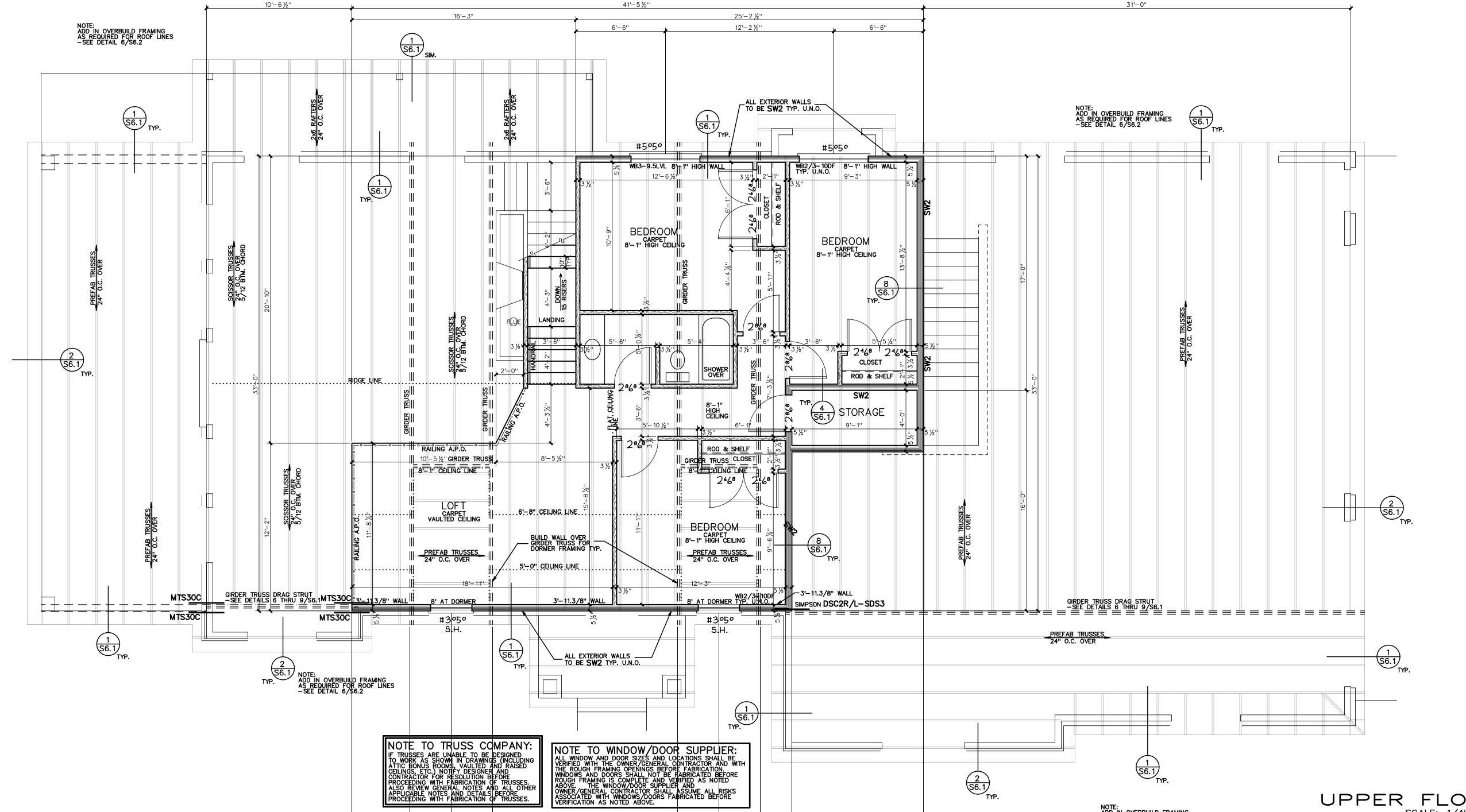
ULTIMATE DESIGN WIND SPEED, VULT - 115 mph NOMINAL DESIGN WIND SPEED, VASD - 90 mph SEISMIC DESIGN CATEGORY 'D' SITE CLASS 'D' SOIL BEARING PRESSURE - 1500 psf CONTRACTOR/OWNER SHALL VERIFY ACCURACY SNOW LOADS WITH BUILDING OFFICIAL. (NO GYP-CRETE OR LIGHTWEIGHT CONC. HAS BEEN INCLUDED IN THE FLOOR DESIGN).

THESE DRAWINGS & DESIGNS MAY BE USED FOR THE CONSTRUCTION OF A SINGLE BUILDING LOCATED AS FOLLOWS: SUBDIVISION: SNOFLAKE SUBDIVISION NO. 2 ADDRESS: 4427 N. POWDER MOUNTAIN ROAD any other use of these drawings & designs is strictly forbidden and violators will be prosecuted. Date: 3/13/2019

CONTRACTOR & OWNER SHALL VERIFY ALL DIMENSIONS, AREAS, AND CONDITIONS, READ ALL NOTES AND BECOME THOROUGHLY FAMILIAR WITH THE DRAWINGS PRIOR TO CONSTRUCTION.

NOTICE AND WARNING

THESE DRAWINGS & DESIGNS ARE THE PROPERTY OF LOMOND VIEW DESIGNS, LLC AND SHALL NOT BE REPRODUCED OR COPIED WITHOUT WRITTEN CONSENT.



6'-0"

9'-6½"

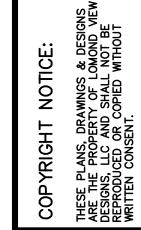
31'-11"

41'-5½''

4'-21/2'

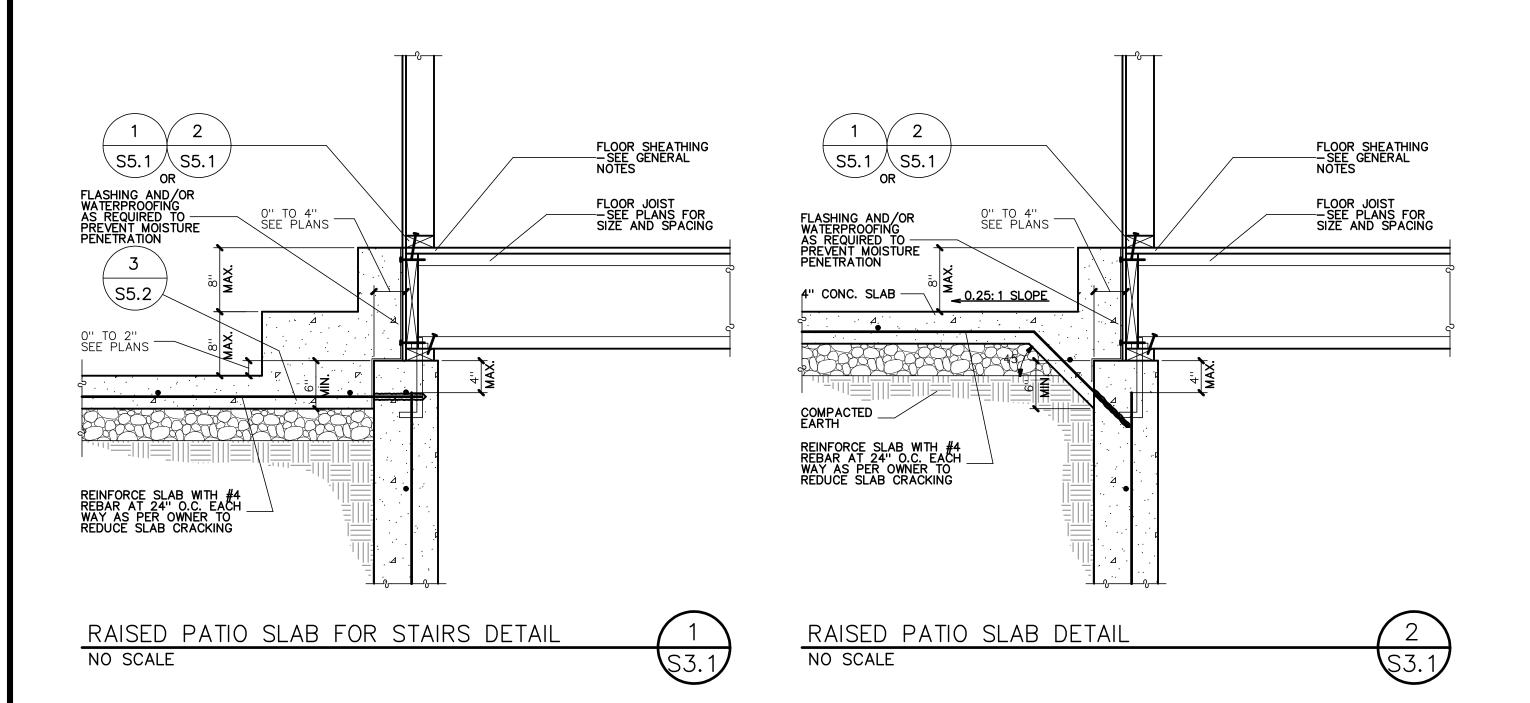
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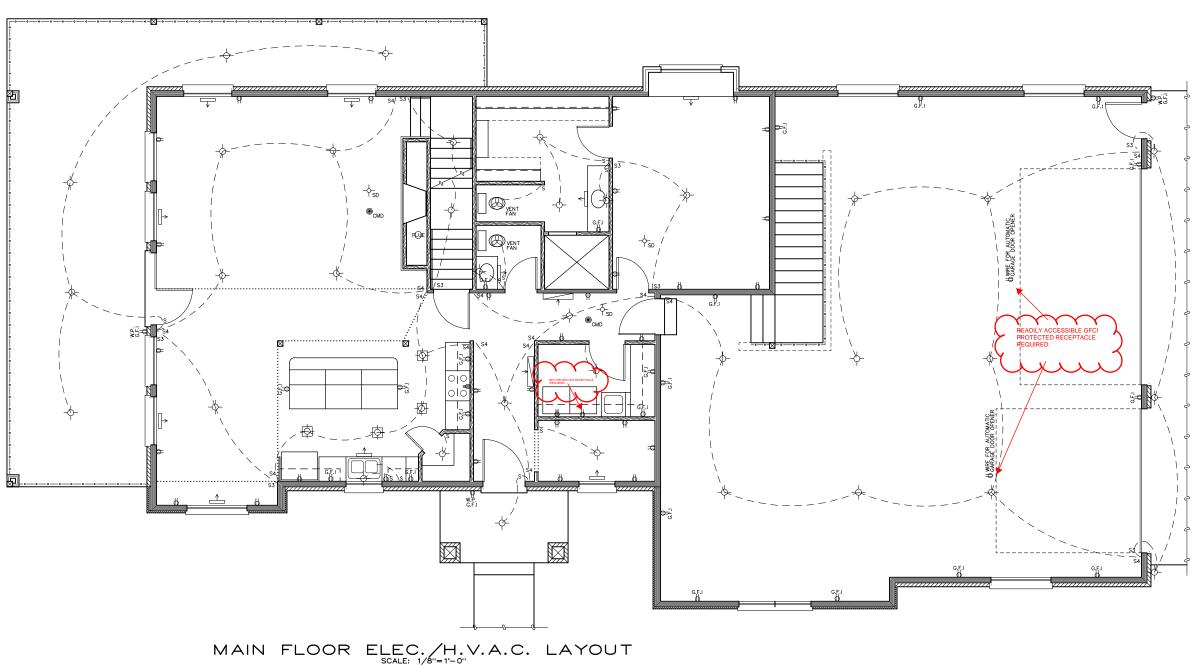
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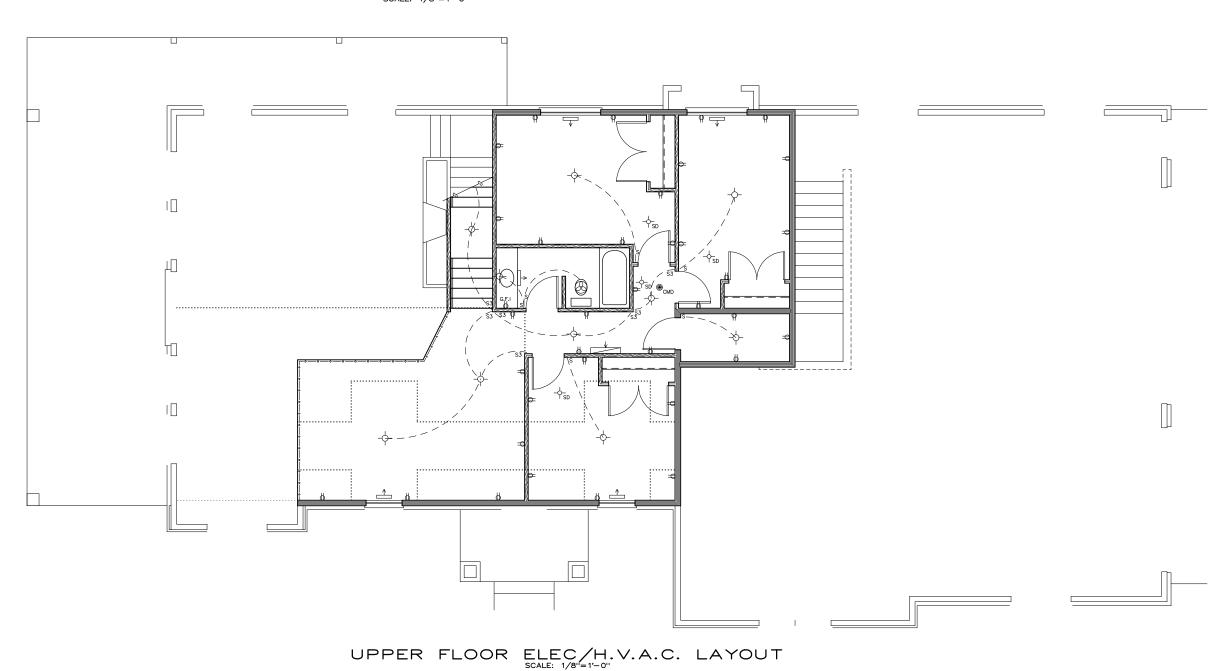


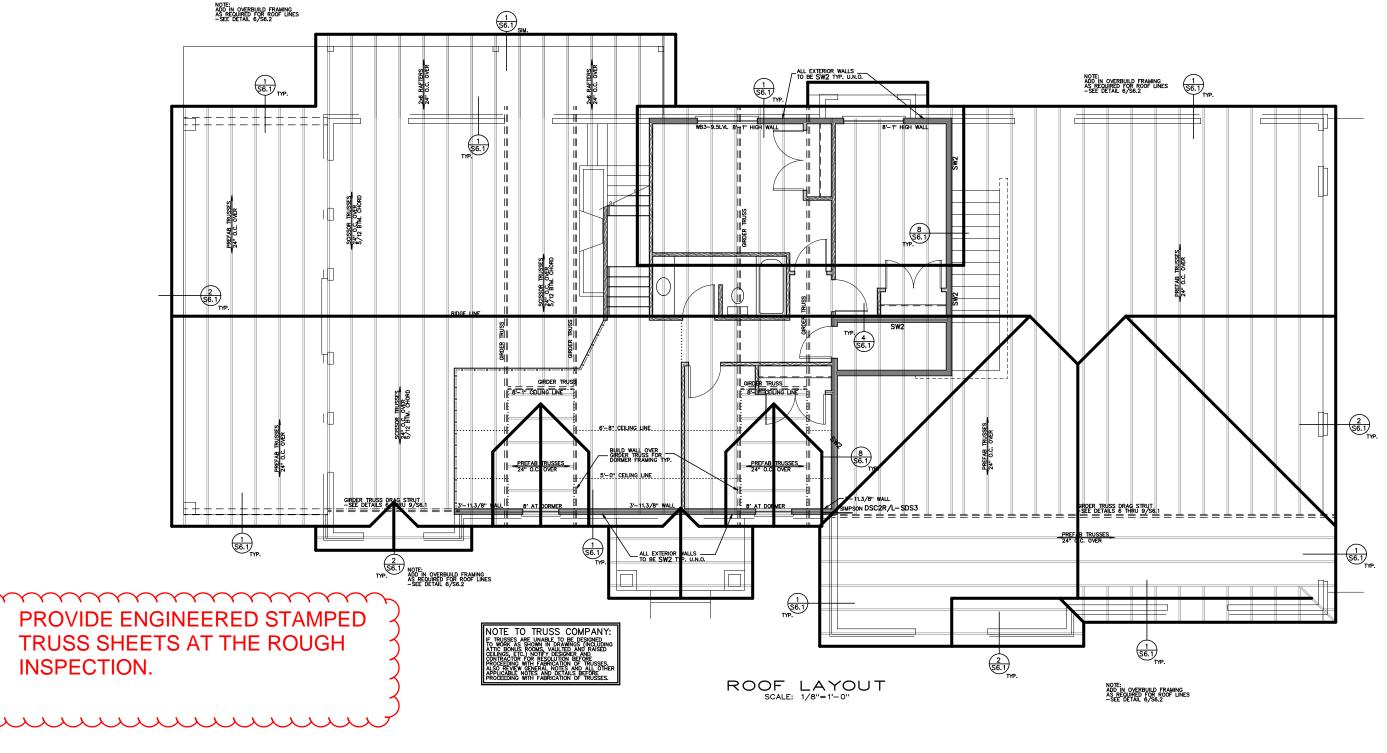
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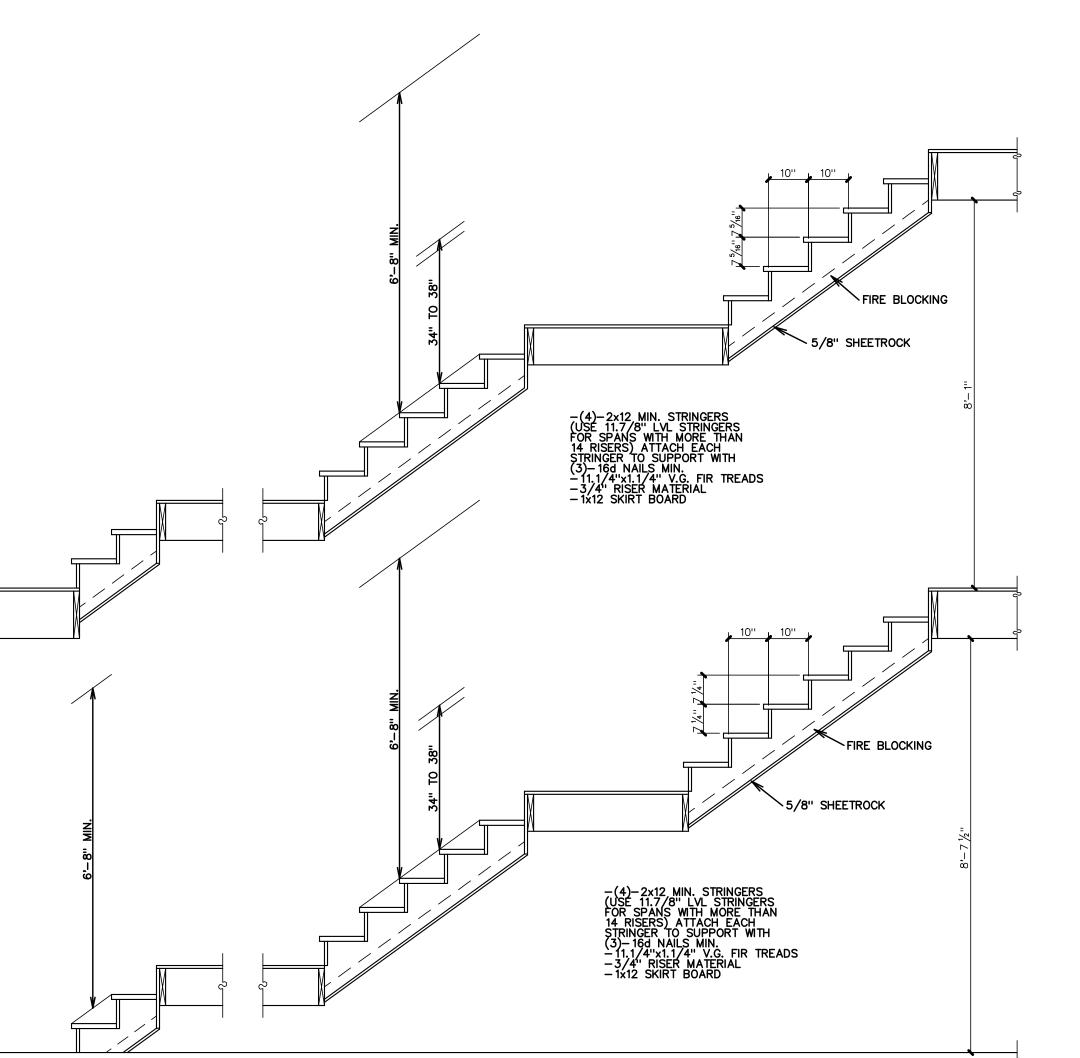
3 S











STAIR DETAIL
SCALE 1/2" = 1'-0"

## REVIEWED FOR CODE **COMPLIANCE**

WEBER COUNTY BUILDING INSPECTIONS

Stanley C. Berniche

### **GENERAL NOTES**

### I. ROOF NOTES

2. PROVIDE INSULATION DEPTH MARKERS EVERY 300 SQ. FT. OF ATTIC SPACE 3. PROVIDE ATTIC VENTILATION AND ATTIC ACCESS AS PER LOCAL CODE

4. ATTIC VENTILATION: TOTAL SQ. FT./300x144 = TOTAL SQ. IN. —PROVIDE 50% ATTIC VENTS AND 50% SOFFIT VENTS —BAFFLE TRUSS CAVITIES AT EXTERIOR WALLS

## II. ELECTRICAL NOTES

THE ELECTRICAL PLAN SHOWN ONLY REPRESENTS A BASIC ELECTRICAL LAYOUT. ALL ELECTRICAL SHALL BE COORDINATED WITH THE OWNER AND SHALL MEET THE APPLICABLE ELECTRICAL CODES.

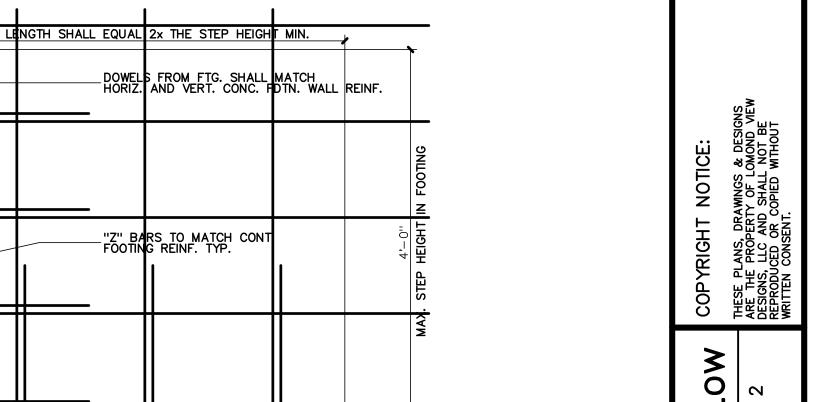
4. ARC-FAULT CIRCUIT INTERRUPTERS SHALL BE INSTALLED IN ALL BEDROOMS AS PER LOCAL ELECTRICAL CODES.

## III. MISCELLANEOUS NOTES

## ADDITIONS: CONTRACTOR SHALL COORDINATE AND ADJUST FOUNDATION AND OTHER WALL HEIGHTS AS NEEDED TO ALLOW FLOOR LEVELS TO BE FLUSH BETWEEN NEW AND EXISTING FLOORS. ALSO, TIE HVAC SYSTEM INTO EXISTING HVAC SYSTEM, OR PROVIDE NEW AS PER LOCAL CODES.

- 2. POISON SOIL FOR TERMITE CONTROL AS PER LOCAL CODE REQUIREMENTS
- 3. PROVIDE 5/8" TYPE 'X' FIRE RATED GYPSUM BOARD AT AREAS AS REQUIRED BY LOCAL FIRE CODE.
- . WINDOW FRAMING: ALL OPENABLE WINDOWS THAT HAVE A WINDOW SILL LOCATED MORE THAN 72" ABOVE THE EXTERIOR FINISHED GRADE OR SURFACE BELOW SHALL BE PLACED SO THAT THE WINDOW SILL IS AT LEAST 24" ABOVE THE INTERIOR FINISHED FLOOR OR SHALL HAVE A WINDOW GUARD PROVIDED AS PER CODE. ALL WINDOWS USED FOR EGRESS SHALL HAVE A MAXIMUM SILL HEIGHT OF 44" ABOVE FINISHED FLOOR.
- 5. PROVIDE R-13 INSULATION MINIMUM IN 2x4 EXTERIOR WALLS, AND R-19 INSULATION MINIMUM IN 2x6 EXTERIOR WALLS. PROVIDE R-38 INSULATION MINIMUM AT ALL INTERIOR TRUSS ATTIC SPACES AND RAFTER FRAMING.

CONTRACTOR & OWNER SHALL VERIFY ALL DIMENSIONS, AREAS, AND CONDITIONS, READ ALL NOTES AND BECOME THOROUGHLY FAMILIAR WITH THE DRAWINGS PRIOR TO CONSTRUCTION.



STEPPED FOOTING DETAIL NO SCALE

O" TO 4" SEE PLANS

FOUNDATION WALL ON FOOTING

WOOD SHEATHING

WOOD SHEAR/BEARING WALL-SEE PLANS, SCHEDULES, — AND GENERAL NOTES

2x TREATED WOOD PLATE (FASTENERS INTO TREATED WOOD SHALL BE HOT-DIPPED GALVANIZED-STEEL, STAINLESS STEEL, SILICON BRONZE, OR COPPER)

PROVIDE FDTN. LEDGE AS REQUIRED FOR BRICK OR STONE

EXT. GRADE OR SLAB

ANCHOR BOLTS WITH 7"
MIN. EMBEDMENT IN
CONC. — SEE GENERAL —
NOTES FOR SIZE AND

VERTICAL REBAR
-SEE PLANS, \_
SCHEDULE, AND
GENERAL NOTES

2 COATS ASPHALT EMULSION

NO SCALE

CONTINUOUS REBAR
-SEE PLANS, SCHEDULES,
AND GENERAL NOTES

CONC. FDTN. WALL -SEE PLANS, SCHEDULES, AND GENERAL NOTES

WOOD SHEAR/BEARING WALL -SEE PLANS, SCHEDULES, AND GENERAL NOTES

2x TREATED WOOD
PLATE (FASTENERS
INTO TREATED WOOD
SHALL BE OF HOT—
DIPPED GALVANIZED
STEEL, STAINLESS
STEEL, SILICON
BRONZE, OR COPPER)

ANCHOR BOLTS WITH
7" MIN. EMBEDMENT IN
-CONC. —SEE GENERAL
NOTES FOR SIZE AND
SPACING

HORIZONTAL REBAR - SEE PLANS, SCHEDULE, AND GENERAL NOTES

VERTICAL REBAR - SEE PLANS, SCHEDULE, AND GENERAL NOTES

4" CONC. SLAB ON 4" GRANULAR BASE

**S**4.1

**S**4.1

NOTCH TOP OF FDTN - AND POUR SLAB OVER AT DOOR OPENINGS

4" CONC. SLAB ON 4" GRANULAR BASE

1" STYROFOAM INSULATION BOARD

CONC. FOOTING -SEE PLANS, SCHEDULES, AND GENERAL NOTES

**S**4.1

44×48" LONG REBAR AT 24" O.C. TYP. AT FDTN. WALLS

AT DOOR OPENING

04 WEST PLEASANT VIEW DR. OGDEN, UTAH 84414
PHONE: (801)—782—0484
FAX: (801)—782—8631
WWW.LOMONDVIEW.COM

LONGFELL

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3DIVISION NO. JNTAIN ROAD 34310

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DETAILS -OUNDATION

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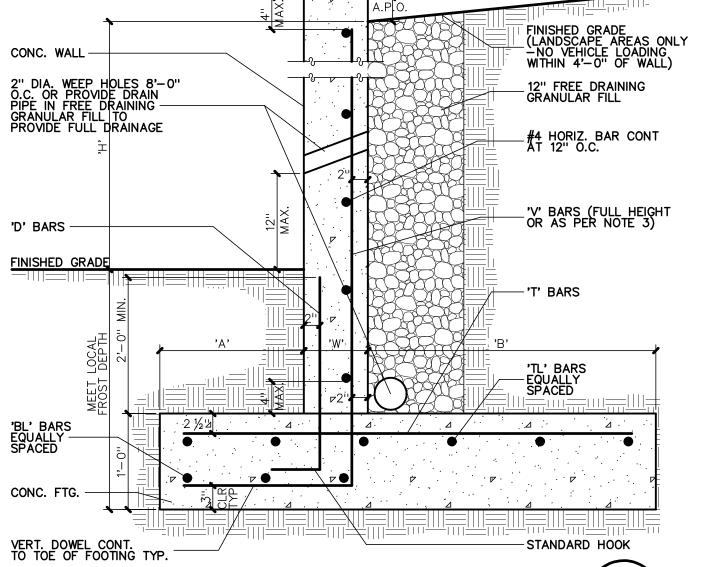


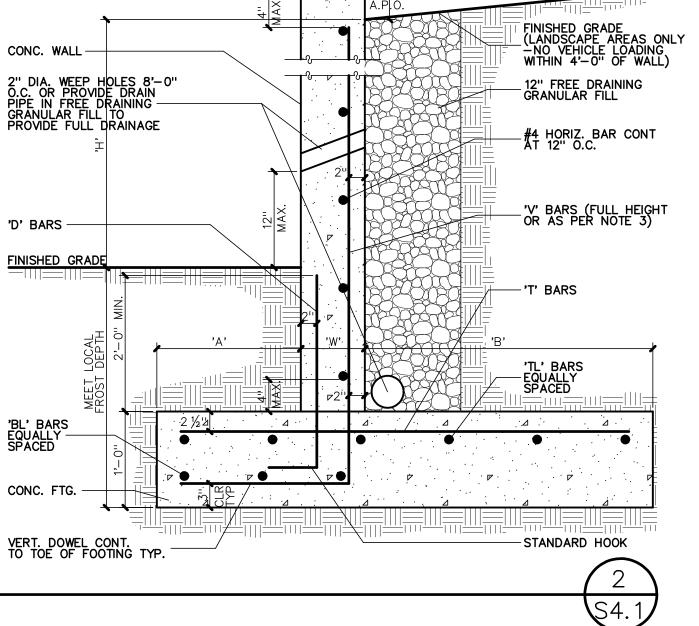
Stanley C. Berniche

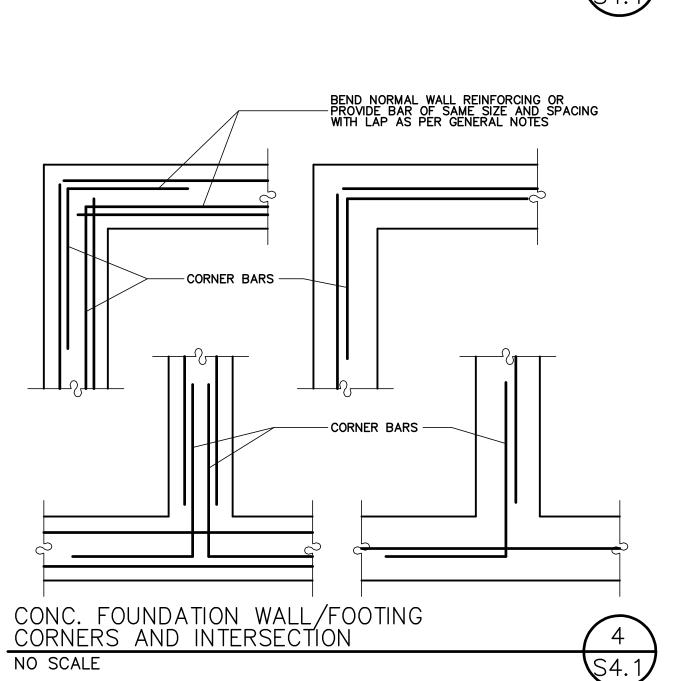
					'V' E	BARS <sup>3</sup>	'D' E	BARS	'T' E	BARS	'TL' E	BARS	'BL' I	BARS
MARK	'W'	'H' <sup>2</sup>	,Α,	<b>'</b> B'	SIZE	SPACE	SIZE	SPACE	SIZE	SPACE	SIZE	NO.	SIZE	NO.
CRW2.0	8" MIN.	TO 2'-0"	8"	8''	#4	18''	N/A	N/A	#4	18"	#4	3	#4	2
CRW4.0	8" MIN.	TO 4'-0"	1'-0"	1'-8"	#4	12"	N/A	N/A	#4	12"	#4	4	#4	2
CRW6.5	8" MIN.	TO 6'-6"	1'-0"	3'-0''	<b>#</b> 5	12"	N/A	N/A	#4	12"	#4	5	#4	2
CRW8.0	8" MIN.	TO 8'-0"	1'-3"	3'–6''	<b>#</b> 5	10''	#4	24"	#4	10"	#4	6	#4	3
CRW9.5	8" MIN.	TO 9'-6"	1'-6"	4'-6"	#6	10"	#4	24"	#4	8"	#4	7	#4	3
1. LOO 2. WA PR AN TO 3. 'V' 4. TH	CONC. RETAINING WALL NOTES:  1. LOCATE A HORIZONTAL BAR WITHIN 4" OF TOP AND BOTTOM OF WALL.  2. WALL HEIGHT MAY BE INCREASED AS NEEDED WHERE FOOTINGS NEED TO BE DROPPED FOR FROST PROTECTION OR SOIL CONDITIONS AS LONG AS THE UNBALANCED FILL HEIGHT ('H'—HEIGHT BETWEEN LOW AND HIGH GRADE) DOES NOT EXCEED THAT SHOWN. ADD ADDITIONAL HORIZONTAL REBAR AS NEEDED TO NOT EXCEED THAT SHOWN													

CONCRETE RETAINING WALL

NO SCALE







ROCK RETAINING WALL UP TO 10'-0" HEIGHT

1 (H) TO 1 (V) OR FLATTER —

4 (H) TO 1 (V) OR FLATTER -

NO SCALE

\_3 (H) TO 1 (V) OR FLATTER

-FILTER FABRIC

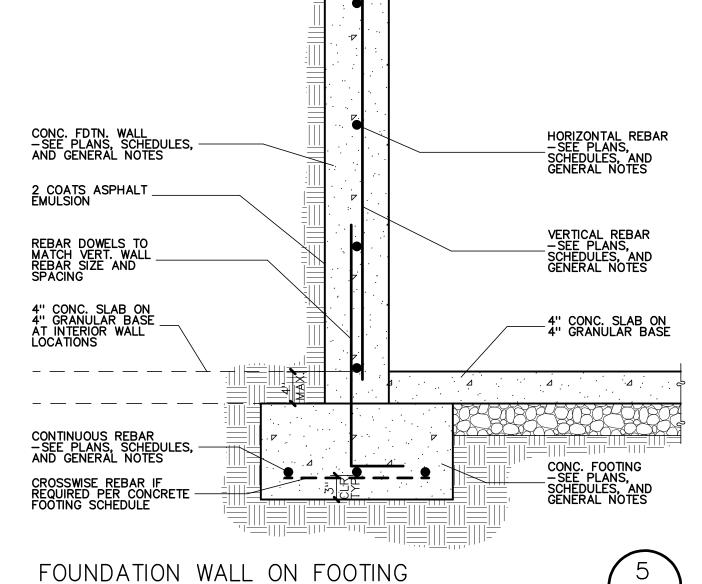
NOTES:

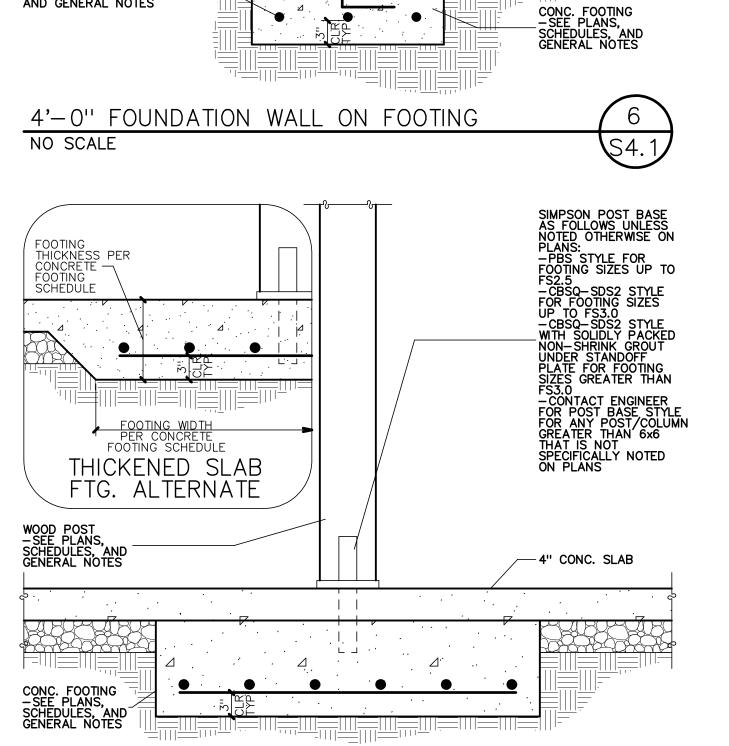
1. NORMAL ROCK SIZE SHALL BE AT LEAST ONE THIRD (1/3) THE HEIGHT OF THE EXCAVATION.

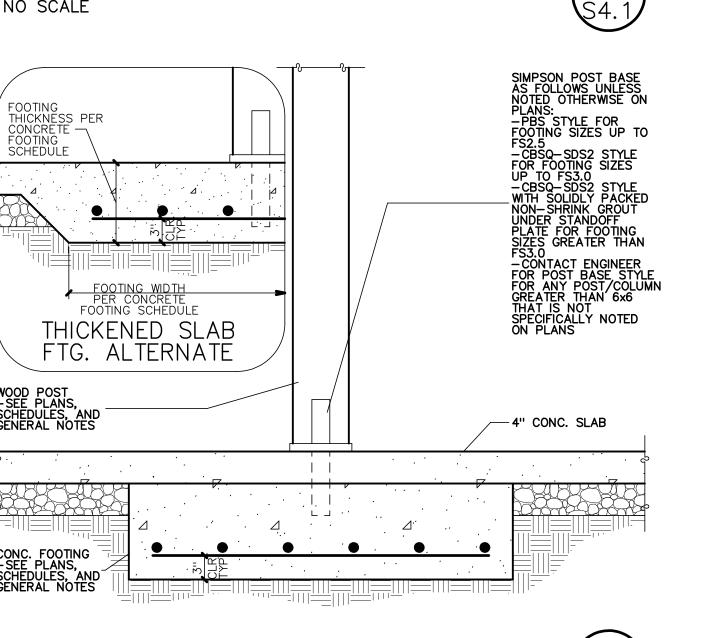
2. IN SANDY OR SILTY SOILS A FILTER FABRIC SHALL BE PLACED BEHIND THE ROCK FACED SLOPE.

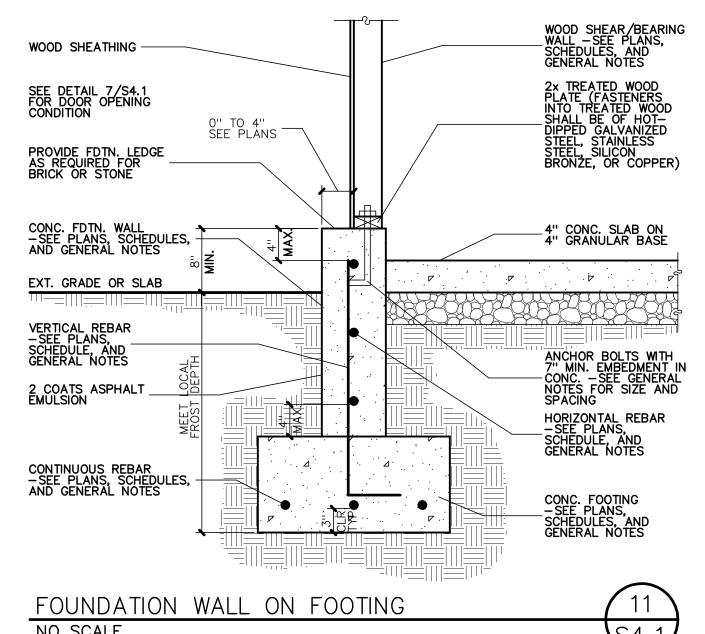
3. SLOPE MAY BE INCREASED TO 1/2 (H) TO 1 (V) IF HEIGHT OF EMBANKMENT IS LESS THAN FIVE (5) FEET.

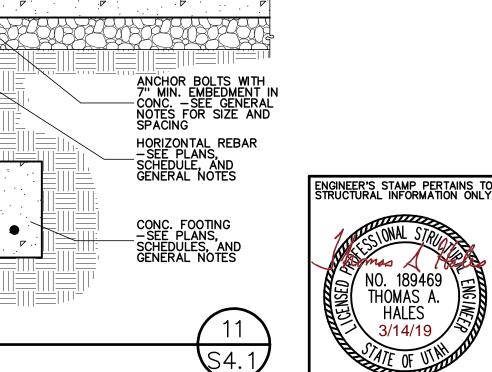
4. ROCK MUST BE ANGULAR AND FITTED TOGETHER TO INTERACT WITH ADJACENT ROCKS.



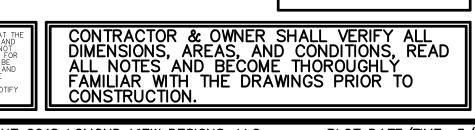


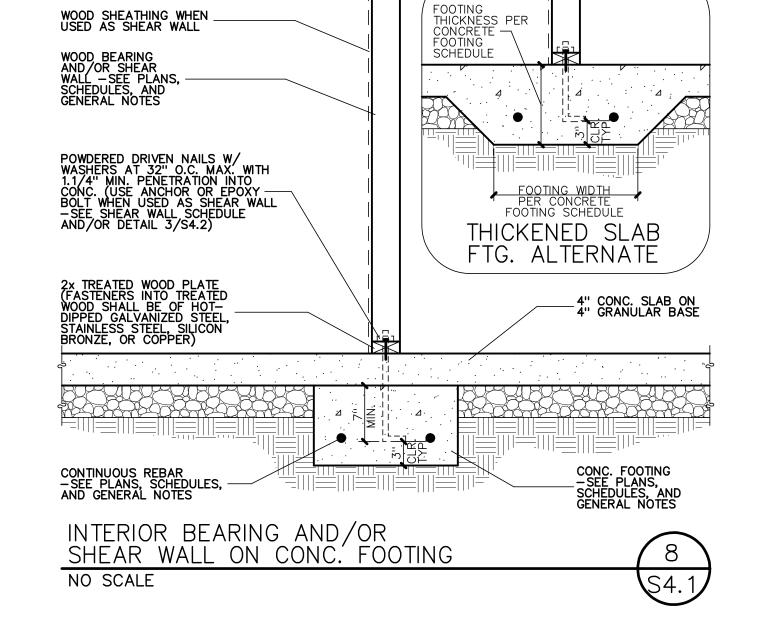


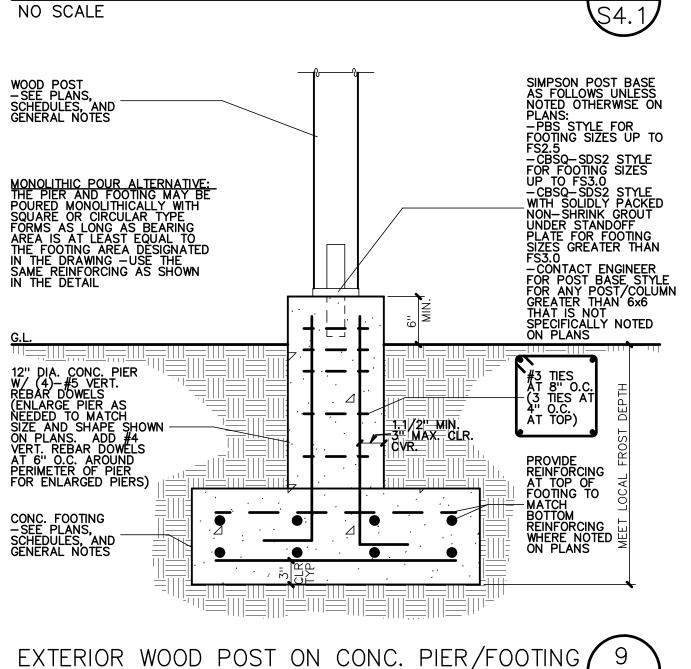




FOUN	DATION	WALL	ON	FC
NO SCA	<b>ALE</b>			
ſ	THESE DRAWINGS AND	SPECIFICATIONS H	AVE BEEN P	REPARE
	THESE DRAWINGS AND CONTRACTOR WILL HA METHODS OF CONSTRI DESCRIBE ALL MATERI	VE A THOROUGH K JCTION. ACCORDIN ALS. METHODS. CO	NOWLEDGE C GLY, THESE NNECTIONS A	F THE A
	THE PROPER AND EFF RESPONSIBLE FOR IDE OTHER INFORMATION I	NTIFYING AND SUPI	ON OF THE	MATERIA
	PROJECT. IF THE CO DEFECTS IN THE DRAY DESIGNER OF SUCH E	NTRACTOR DISCOVE	RS OR SUSP	FCTS A







WOOD SHEATHING

PROVIDE FDTN. LEDGE AS REQUIRED FOR BRICK OR STONE

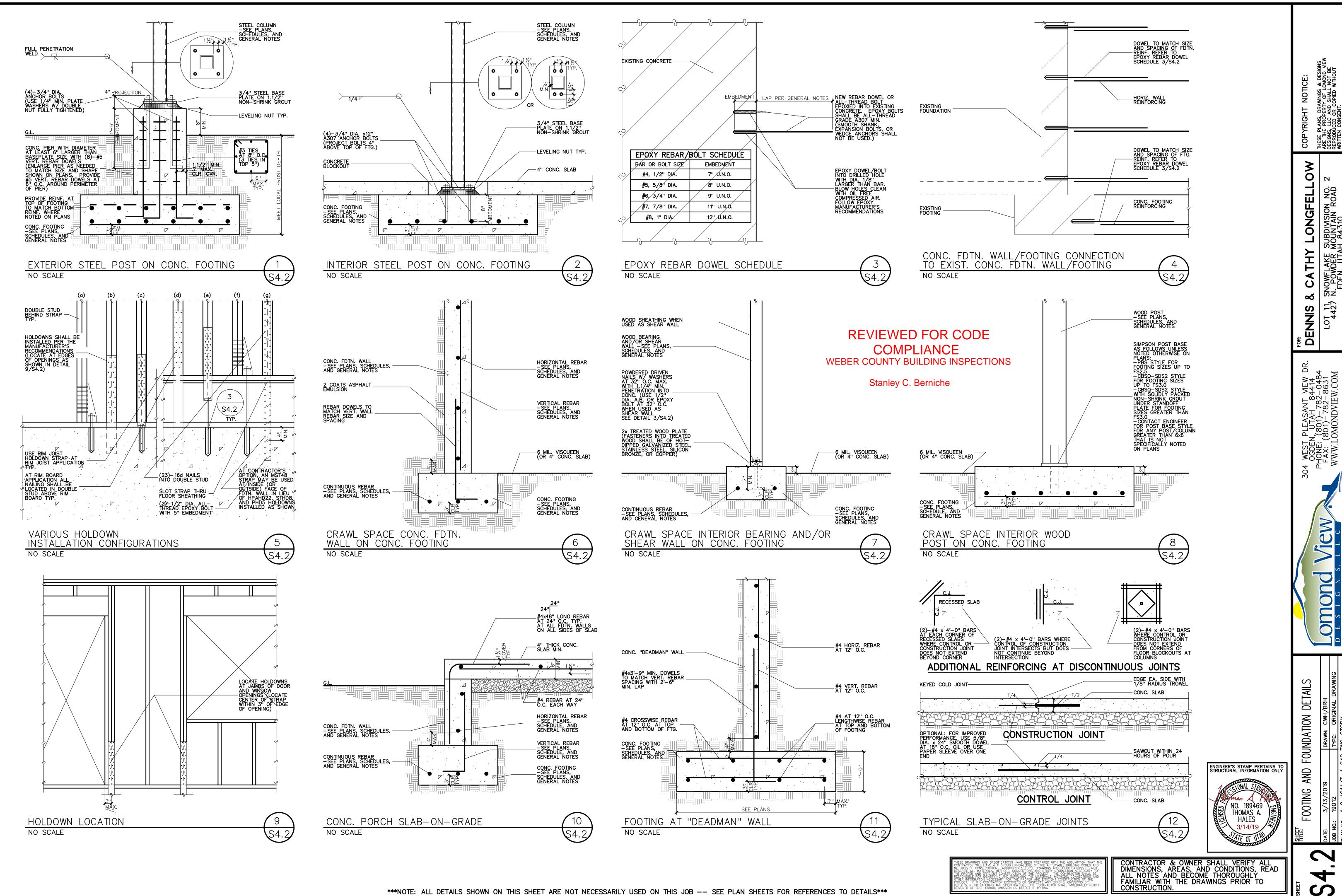
EXT. GRADE OR SLAB

2 COATS ASPHALT EMULSION

DOWELS TO MATCH VERT. WALL REBAR SIZE AND SPACING

CONTINUOUS REBAR
-SEE PLANS, SCHEDULES, AND GENERAL NOTES

CONC. FDTN. WALL
-SEE PLANS, SCHEDULES,
AND GENERAL NOTES



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