## GENERAL STRUCTURAL NOTES

STRUCTURAL GENERAL NOTES ARE PORTION OF THE CONTRACT DOCUMENTS SUBMITTALS: AND ARE INTENDED TO BE USED WITH ARCHITECTURAL, MECHANICAL, AND SHOP DRAWINGS SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO THE ELECTRICAL DRAWINGS. THE CONTRACTOR IS RESPONSIBLE FOR FABRICATION AND CONSTRUCTION REGARDING ALL STRUCTURAL ITEMS, COORDINATING THE REQUIREMENT FROM THESE DRAWINGS INTO THEIR INCLUDING THE FOLLOWING: SHOP DRAWINGS AND WORK.

### CODE REQUIREMENT:

CONFORM THE 2012 INTERNATIONAL BUILDING CODE (IBC)

### TEMPORARY CONDITIONS:

THE STRUCTURE IS DESIGNED TO FUNCTION AS A UNIT UPON COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR FURNISHING ALL

CHANGES TO THE STRUCTURAL DRAWINGS SHALL BE SUBMITTED TO THE TEMPORARY BRACING AND/OR SUPPORT THAT MAY BE REQUIRED AS ARCHITECT AND ARE SUBJECT TO REVIEW AND ACCEPTANCE OF THE THE RESULT OF THE CONTRACTOR'S CONSTRUCTION METHODS AND/OR STRUCTURAL ENGINEER. SEQUENCES.

CONTRACTOR'S CONSTRUCTION AND/OR ERECTION SEQUENCES SHALL RECOGNIZE AND CONSIDER THE EFFECTS OF THERMAL MOVEMENTS OF STRUCTURAL ELEMENTS DURING THE CONSTRUCTION PERIOD.

ALL EXISTING CONDITIONS, DIMENSIONS AND ELEVATIONS SHALL BE FIELD VERIFIED. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY SIGNIFICANT DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

DESIGN WAS BASED ON THE STRENGTH AND DEFLECTION CRITERIA OF THE OSSC. IN ADDITION TO THE DEAD LOADS, THE FOLLOWING LOADS AND ALLOWABLES WERE USED FOR DESIGN, WITH LIVE LOADS REDUCED PER OSSC:

FLOOR CORRIDOR 100 PSF 25 PSF L.L. (SNOW) ROOF

115 MPH (3 SECOND GUST) - EXPOSURE B WIND

### SEISMIC CRITERIA:

BASIC SEISMIC LOAD RESISTING SYSTEM WOOD SHEAR WALLS OCCUPANCY CATEGORY II

### IMPORTANCE FACTOR: 1.0

SDS = 0.73; SDI = 0.396; SS = 0.99; SI = 0.349

### STRUCTURAL OBSERVATION:

THE STRUCTURAL ENGINEER OF RECORD (SER) WILL PERFORM STRUCTURAL OBSERVATION BASED ON THE REQUIREMENTS OF THE OSSC AT THE STAGES OF CONSTRUCTION LISTED BELOW.

CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SER TO PERFORM THESE OBSERVATIONS.

## STRUCTURAL OBSERVATION PROGRAM

ITEM	OBSERVED BY (2)		COMMENTS
	AOR	SER	
AS REQUIRED TO ADDRESS STRUCTURAL ISSUES		Х	REF. NOTES 1,3,4

I. CONTRACTOR IS RESPONSIBLE FOR NOTIFYING THE SER ADVANCE.

2. SER - STRUCTURAL ENGINEER OF RECORD AOR - ARCHITECT OF RECORD

3. A FIELD REPORT WILL BE SUBMITTED TO THE BUILDING DEPARTMENT FOLLOWING EACH SITE VISIT.

4. STRUCTURAL OBSERVATION IS FOR THE GENERAL CONFORMANCE OF THE STRUCTURAL DRAWING, SPECIAL INSPECTION IS STILL

5. AFTER REINFORCING STEEL HAS BEEN INSTALLED.

## SPECIAL INSPECTION:

SPECIAL INSPECTION WILL BE PROVIDED BY THE OWNER BASED ON THE REQUIREMENTS OF THE IBC 2009 AS SUMMARIZED IN THE TABLE. CONTRACTOR SHALL PROVIDE SUFFICIENT NOTICE AND ACCESS FOR THE SPECIAL INSPECTOR TO PERFORM THESE INSPECTIONS.

## SPECIAL INSPECTION PROGRAM

	CONCRETE			
	ITEM	CONTINUOUS	PERIODIC	COMMENTS
ESTABLISHED PER SECTION 1704 IBC			2009	

## PROGRAM FOOTNOTES:

EPOXY ANCHOR PLACEMENT

EXPANSION ANCHOR PLACEMENT

. THE ITEMS CHECKED WITH AN "X" SHALL BE INSPECTED IN ACCORDANCE WITH OSSC CHAPTER 17 BY A CERTIFIED SPECIAL INSPECTOR FROM AN ESTABLISHED TESTING AGENCY. FOR MATERIAL SAMPLING AND TESTING REQUIREMENTS, REFER TO THE PROJECT SPECIFICATIONS AND THE SPECIFIC GENERAL NOTES SECTIONS. THE TESTING AGENCY SHALL SEND COPIES OF ALL STRUCTURAL TESTING AND INSPECTION REPORTS DIRECTLY TO THE ARCHITECT, STRUCTURAL ENGINEER, CONTRACTOR AND BUILDING OFFICIAL. ANY MATERIALS WHICH FAIL TO MEET THE PROJECT SPECIFICATIONS SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF THE ARCHITECT. SPECIAL INSPECTION TESTING REQUIREMENTS APPLY EQUALLY TO ALL BIDDER DESIGNED COMPONENTS.

2. SPECIAL INSPECTION IS NOT REQUIRED FOR WORK PERFORMED BY AN APPROVED FABRICATOR PER IBC 2009 SECTION 1704.2.1

3. CONTINUOUS SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT ALL TIMES OBSERVING THE WORK REQUIRING SPECIAL INSPECTION (IBC SECTION 1702). PERIODIC SPECIAL INSPECTION MEANS THAT THE SPECIAL INSPECTOR IS ON SITE AT TIME INTERVALS NECESSARY TO CONFIRM THAT ALL WOK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE.

4. ALL ELEMENTS OF THE WOOD FRAME LATERAL LOAD RESISTING SYSTEM LISTED SHALL BE VISUALLY INSPECTED.

## - CONCRETE ANCHORAGES

- MEP CONCRETE ANCHORAGE & BRACING

IF THE SHOP DRAWINGS DIFFER FROM OR ADD TO THE DESIGN OF THE STRUCTURAL DRAWINGS, THEY SHALL BEAR THE SEAL AND SIGNATURE OF A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF OREGON. ANY

SAWN LUMBER SHALL CONFORM TO WEST COAST LUMBER INSPECTION BUREAU OR WESTERN WOOD PRODUCTS ASSOCIATION GRADING RULES. LUMBER SHALL BE KILN DRIED AND BE THE SPECIES AND GRADE MOTED

USE	SPECIES/GRADE	Fb (PSI) (BASE VALUI
DIM. LUMBER 2" TO 4" THICK	DOUGLAS FIR-LARCH NO. 2	900
BEAMS 5" X 5" AND GREATER	DOUGLAS FIR-LARCH NO. 1	1350
POSTS	DOUGLAS FIR-LARCH NO. 1	1200
T & G DECKING	DOUGLAS FIR-LARCH COMMERCIAL DEX	1450

(Note to Engineer: Modify stud grade at exterior walls, as required for wind load. Use select DEX for tongue-and-groove decking where exposed to view, kiln dried lumber should be used for all buildings over 2 stories.)

ALL LUMBER IN CONTACT WITH CONCRETE OR CMU SHALL BE PRESSURE TREATED, UNLESS AN APPROVED MOISTURE BARRIER IS PROVIDED. FRAMING ACCESSORIES AND STRUCTURAL FASTENERS SHALL BE MANUFACTURED BY SIMPSON STRONG TIE (OR APPROVED EQUAL) AND OF THE SIZE AND TYPE SHOWN ON THE DRAWINGS. ALL NAIL HOLES SHALL BE FILLED WITH STRUCTURAL FASTENERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS AND FASTENERS SHALL BE INSTALLED FOLLOWING ALL MANUFACTURER'S REQUIREMENTS. IF A SUBSTITUTION IS MADE, A DOCUMENT SHALL BE SUBMITTED TO THE ARCHITECT FOR APPROVAL OUTLINING THE FRAMING ACCESSORIES BEING REPLACED AND THE SUBSTITUTED FRAMING ACCESSORIES. ALLOWABLE LOADS FOR THE SIMPSON ACCESSORIES SHALL BE TABULATED ALONG WITH ALLOWABLE LOADS FOR THE SUBSTITUTED ACCESSORIES, WHICH CLEARLY INDICATE THE SUBSTITUTED ACCESSORIES HAVING AN EQUAL OR GREATER CAPACITY. HANGERS NOT SHOWN SHALL BE SIMPSON U-TYPE OR B-TYPE OF SIZE RECOMMENDED FOR THE MEMBER.

ALL FRAMING NAILS SHALL BE OF THE SIZE AND NUMBER INDICATED ON THE DRAWINGS AND CONFORM TO ASTM F 1667. "STANDARD SPECIFICATION OF DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES AND NER-272 "POWER-DRIVEN STAPLES AND NAILS FOR USE IN ALL TYPES OF BUILDING CONSTRUCTION". NAILS SHALL BE IDENTIFIED BY LABELS (ATTACHED TO THEIR CONTAINERS) THAT SHOW THE MANUFACTURER'S NAME AND NES REPORT NUMBER, NAIL SHANK DIAMETER, AND LENGTH AND SHALL BE SUBMITTED TO THE ARCHITECT PRIOR TO FRAMING, NAILING NOT SHOWN SHALL BE AS INDICATED ON IBC 2009 TABLE 2304.9.1 OR NER-272. THE FOLLOWING NAIL SIZES SHALL BE USED:

NAIL TYPE	SHANK DIAMETER (IN.)	Fb (PSI) (BASE VALUE)
6d	0.113	1.25
8d	0.131	1.5
10d	0.148	1.625
12d	0.148	1.625
16d	0.148	1.625

BOLTS AND LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1-1981. ALL BOLTS AND LAG SCREWS SHALL BE INSTALLED WITH STANDARD CUT WASHERS. ALL A307 BOLTS SHALL HAVE CUT THREADS.

CUTTING AND NOTCHING OF JOISTS AND STUDS SHALL CONFORM TO IBC 2009 SECTIONS 2308.8.2, 2308.9.10 AND 2308.10.4.2

SALVAGED LUMBER SHALL BE GRADED BY AN APPROVED GRADING AGENCY PRIOR TO USE AND SHALL MEET THE MINIMUM BENDING STRESSES SHOWN ABOVE.

## WOOD STRUCTURAL PANELS:

WOOD STRUCTURAL PANELS SHALL CONFORM TO THE REQUIREMENTS OF " U.S. PRODUCT STANDARD PS | FOR CONSTRUCTION AND INDUSTRIAL PLYWOOD", "U.S. PRODUCT STANDARD PS 2 PERFORMANCE STANDARD FOR WOOD-BASED STRUCTURAL-USE PANELS", OR "APA PRP-108 PERFORMANCE STANDARDS". UNLESS NOTED, PANELS SHALL BE APA RATED SHEATHING, EXPOSURE 1, OF THE THICKNESS AND SPAN RATING SHOWN ON THE DRAWINGS.

WOOD STRUCTURAL PANEL INSTALLATION SHALL BE IN CONFORMANCE WITH APA RECOMMENDATIONS. ALLOW 1/8" SPACING AT PANEL ENDS AND EDGES, UNLESS OTHERWISE RECOMMENDED BY THE PANEL MANUFACTURER.

ALL ROOF SHEATHING AND SUB-FLOORING SHALL BE INSTALLED WITH FACE GRAIN PERPENDICULAR TO SUPPORTS, EXCEPT AS INDICATED ON THE DRAWINGS. ROOF SHEATHING SHALL EITHER BE BLOCKED, TONGUE-AND-GROOVE, OR HAVE EDGES SUPPORTED BY PLYCLIPS. WHEN ROOF SHEATHING IS NAILED DIRECTLY TO BLOCKING. THE BLOCKING SHALL BE NAILED TO SUPPORT MEMBERS WITH MINIMUM OF 16d NAILS AT 4" O.C. SUB-FLOORING SHEATHING SHALL BE UNBLOCKED, EXCEPT AS INDICATED ON DRAWINGS. SUB-FLOOR PANELS SHALL BE FIELD GLUED TO THE FRAMING USING ADHESIVES MEETING APA SPECIFICATION AFG-01 OR ASTM D3498. TONGUE AND GROOVE PANELS SHALL ALSO BE GLUED AT THE T&G JOINT. SHEAR WALL SHEATHING SHALL BE INSTALLED EITHER HORIZONTALLY OR VERTICALLY AND BE BLOCKED WITH 2X FRAMING AT ALL PANEL EDGES. NAILING NOT SHOWN SHALL BE AS INDICATED ON OSSC TABLE 2304.9.1. ALL NAILS SHALL BE COMMON NAILS EXCEPT USE RING SHANK FOR ROOF SHEATHING.

## **DRAWINGS INDEX**

S	0.0	GENERAL NOTES
S	0.1	FLOOR PLANS
S	0.2	ROOF PLAN
S	6.1	FRAMING DETAIL
S	6.2	FRAMING DETAIL
S	6.3	FRAMING DETAIL
S	6.4	FRAMING DETAIL

Portland State PSU Capital Projects & Construction **EAST HALL Mech. Ventilation &** Interior Refinishing 1st - 3rd Floor INTERIOR REMODEL 632 SW Hall Ave.





EXPIRES: 06/30/14 DATE: NO:

KEY PLAN:

SSUANCE:

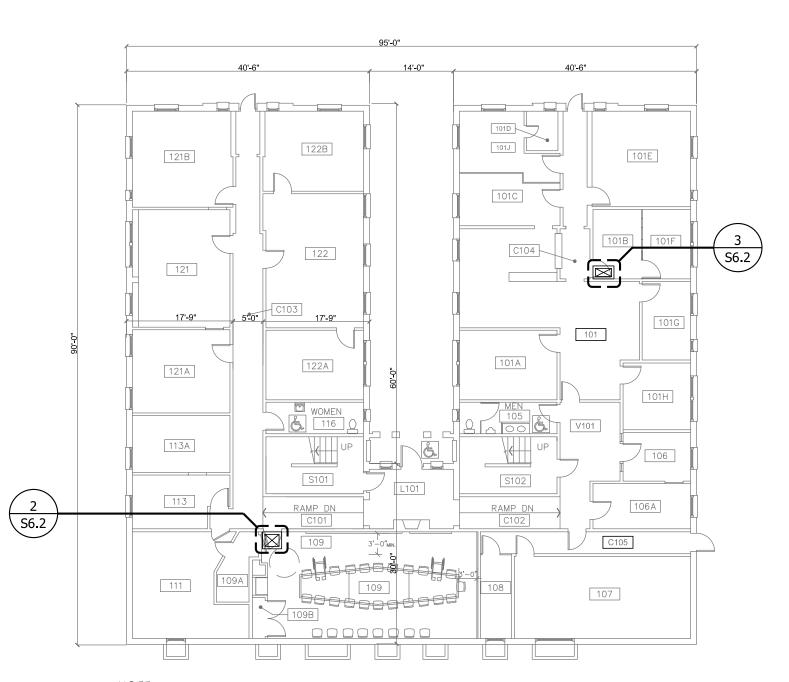
PROJECT NO:

04.25.2014

SCALE:

DRAWING TITLE: STRUCTURAL **GENERAL NOTES** 

SHEET NO:



NOTE:

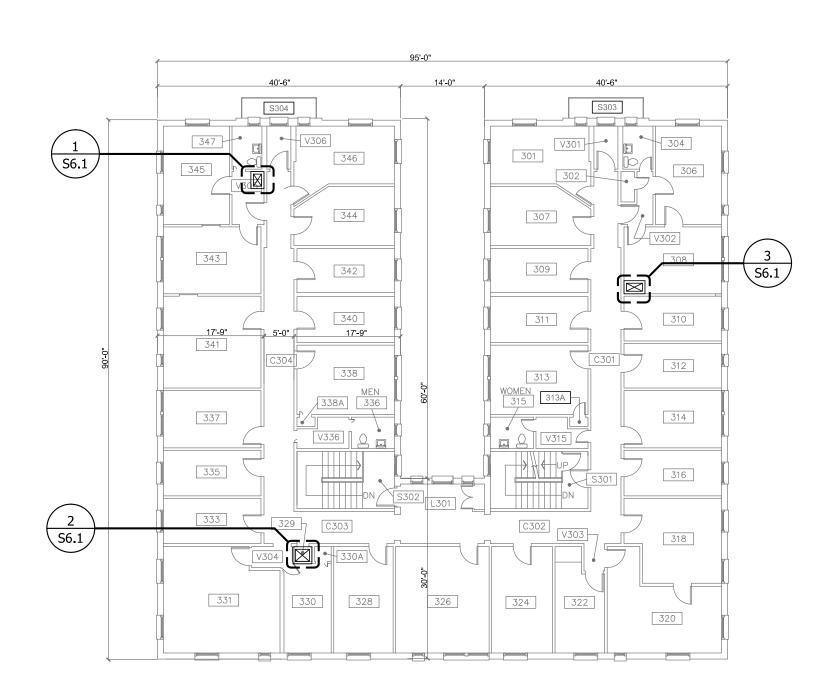
I. CONTRACTOR TO VERIFY SLAB ON GRADE THICKNESS

2. CONTRACTOR TO COORDINATE SHAFT SIZES \$

LOCATION WITH MECHANICAL \$ ARCHITECTURAL

DRAWINGS

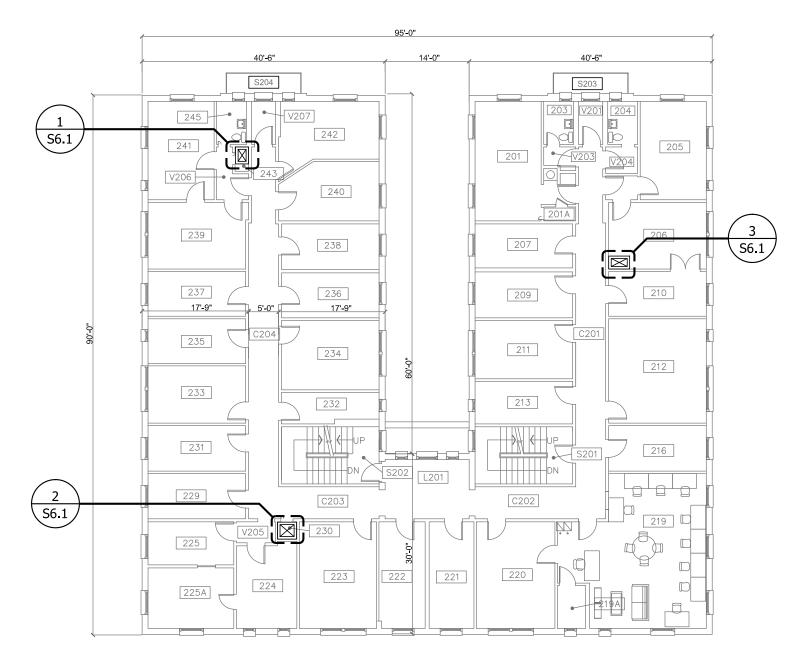
# 1 1ST FLOOR SHAFTS FRAMING Scale: 1/16" = 1'-0"



NOTE:
I. CONTRACTOR TO VERIFY (E) JOISTS SIZE & SPACING
2. CONTRACTOR TO COORDINATE SHAFT SIZES & LOCATION WITH
MECHANICAL & ARCHITECTURAL DRAWINGS

3 3RD FLOOR SHAFTS FRAMING

Scale: 1/16" = 1'-0"



NOTE:
I. CONTRACTOR TO VERIFY (E) JOISTS SIZE & SPACING
2. CONTRACTOR TO COORDINATE SHAFT SIZES & LOCATION WITH
MECHANICAL & ARCHITECTURAL DRAWINGS



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21617 SW Susan Lane Beaverton, OR 97006 Ph: 971.222.4378



NO: DAT

KEY PLAN:

ISSUANCE:

PROJECT NO:

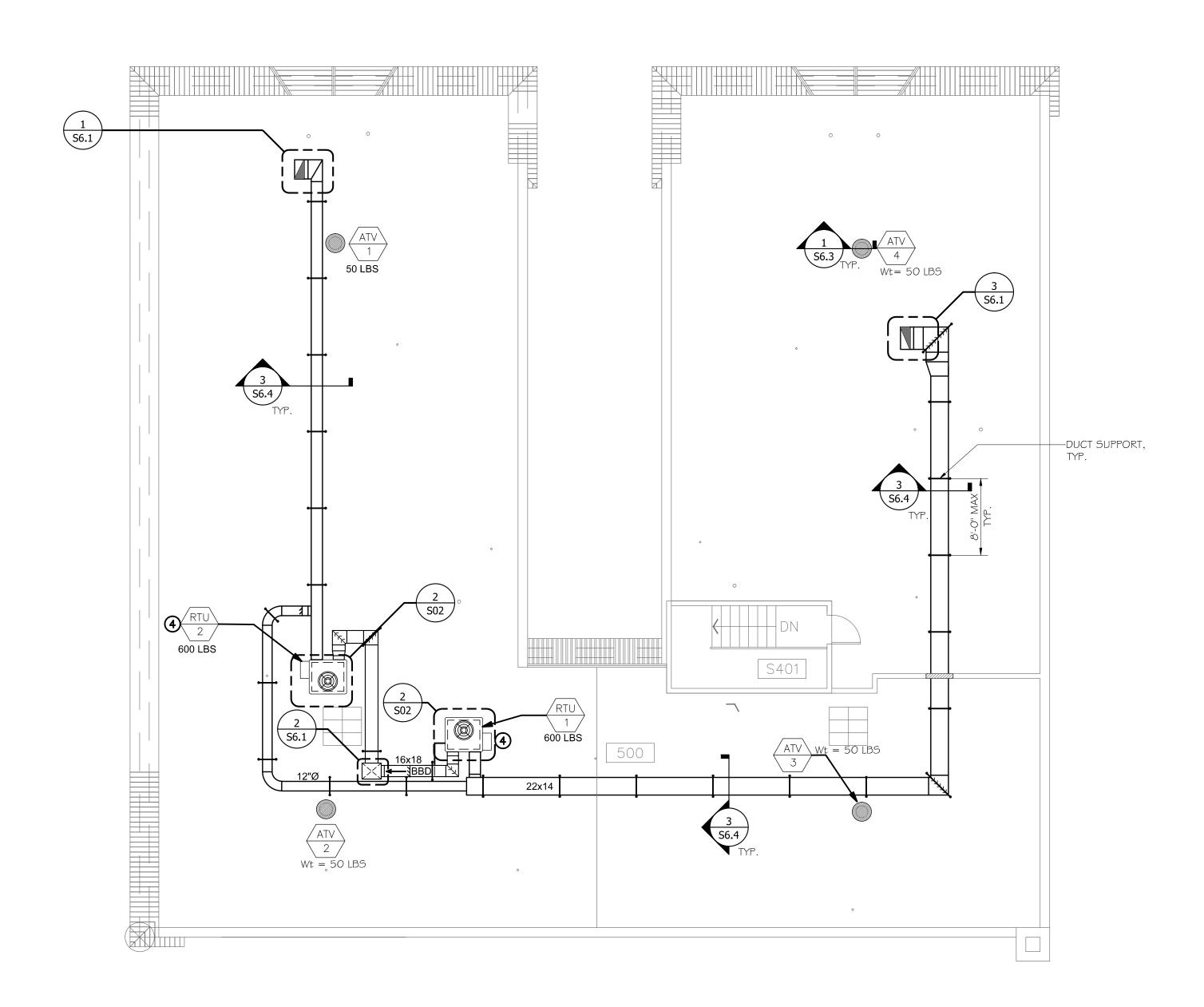
DATE: 04.25.2014

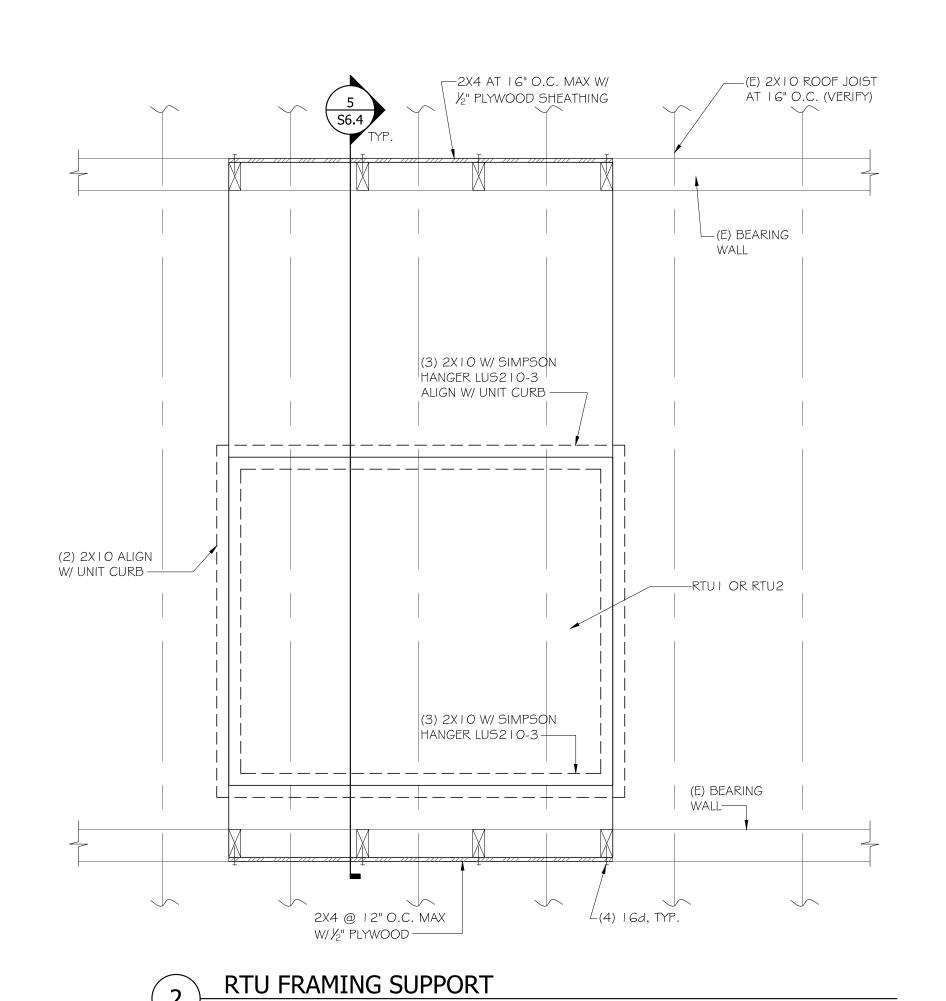
SCALE:

DRAWING TITLE:
FLOOR PLANS

SHEET NO:

**S**0.1





ROOF PLAN

Scale: 1/8" = 1'-0"

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NO: DATE:

KEY PLAN:

ISSUANCE:

PROJECT NO:

Scale: 1" = 1'-0"

04.25.2014

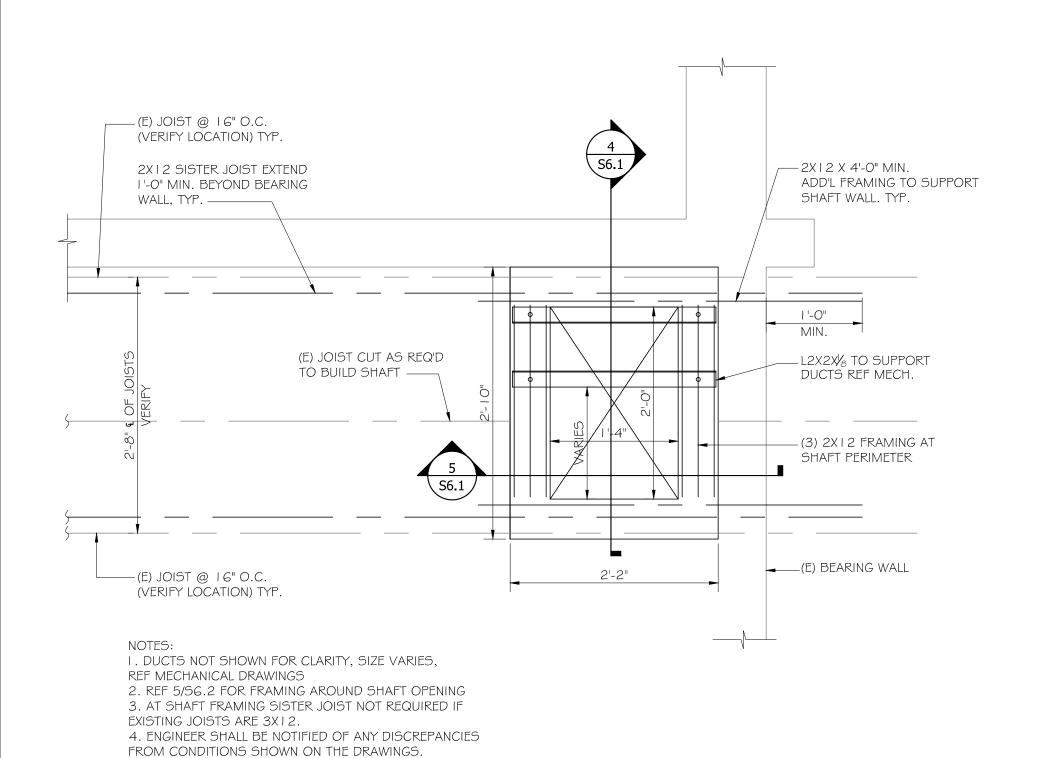
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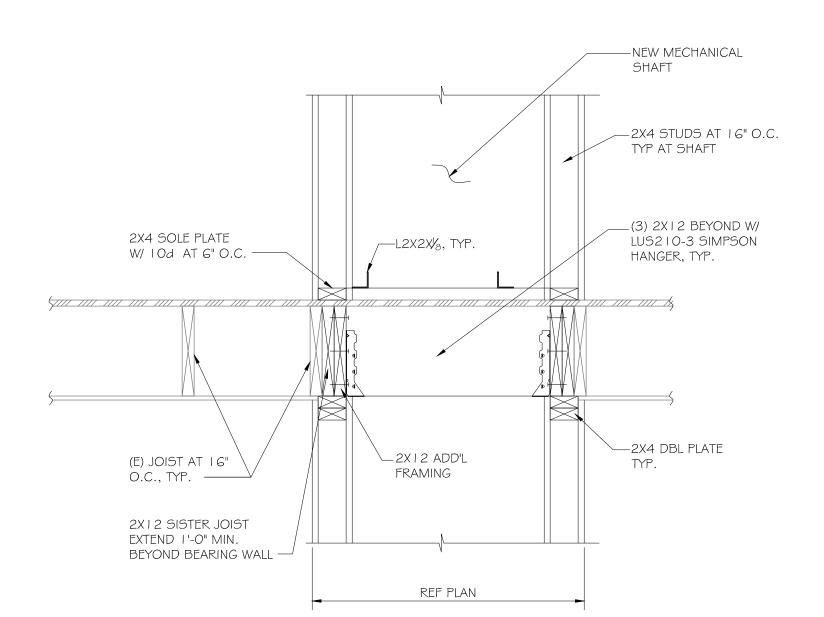
ROOF PLAN

SHEET NO:

S0.2



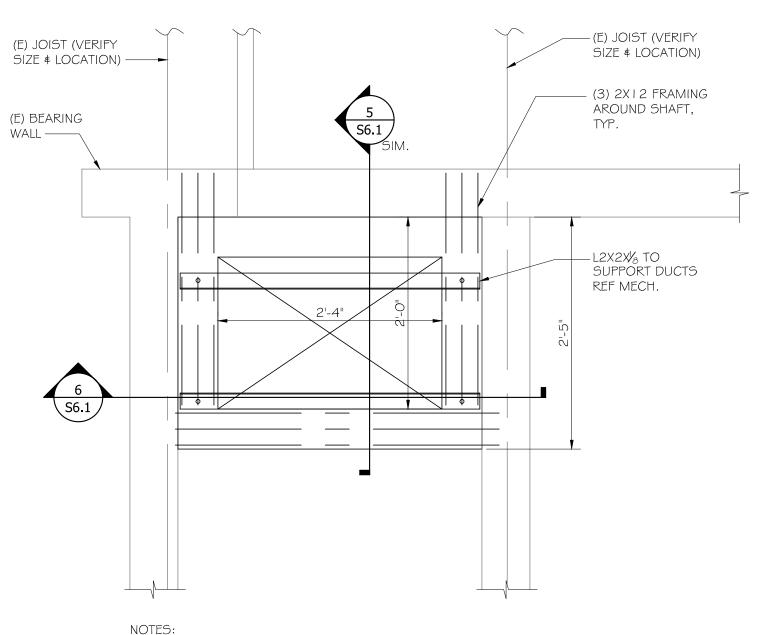
TYPICAL SHAFT "A" FRAMING Scale: 1" = 1'-0"



I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES, REF MECHANICAL DRAWINGS 2. USE HUC 212-3 SIMPSON HANGER AS NEEDED TO FIT FRAMING 3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING JOISTS ARE 3X I 2. 4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

SHAFT "A" SECTION DETAIL

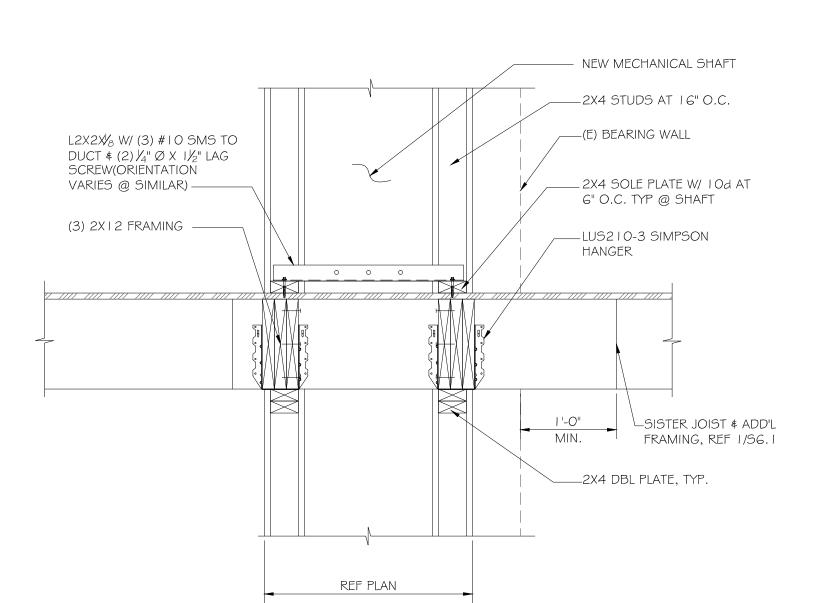
Scale: 1" = 1'-0"



I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES, REF MECHANICAL DRAWINGS 2. REF 5/S6.2 FOR FRAMING AROUND SHAFT OPENING 3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING JOISTS ARE 3X I 2. 4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

TYPICAL SHAFT "B" FRAMING

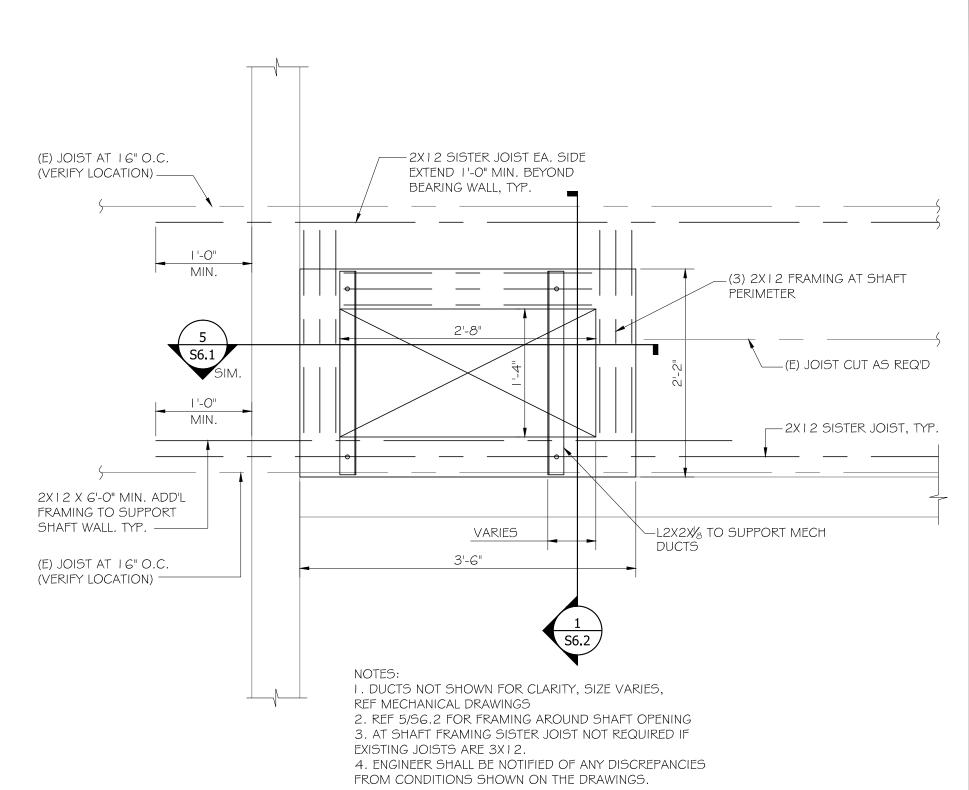
Scale: 1" = 1'-0"



I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES, REF MECHANICAL DRAWINGS 2. USE HUC 212-3 SIMPSON HANGER AS NEEDED TO FIT FRAMING 3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING JOISTS 4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

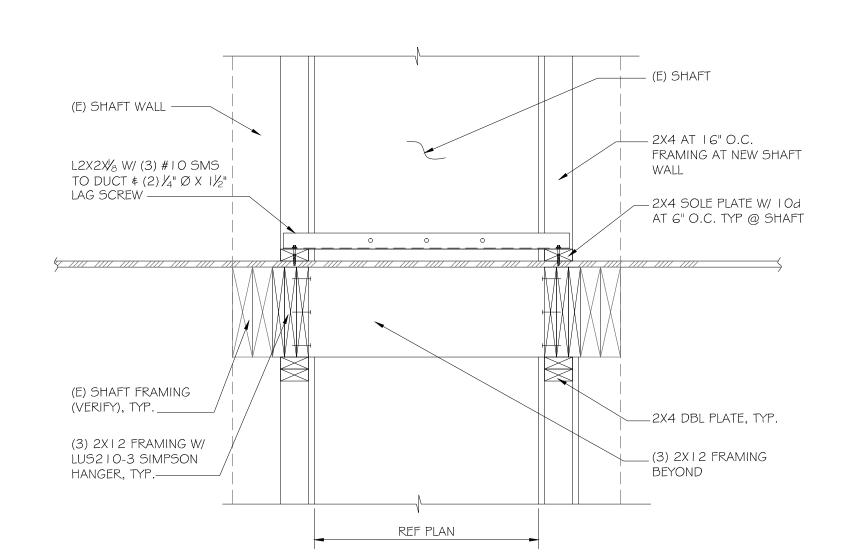
SHAFT "A" SECTION DETAIL

Scale: 1" = 1'-0"



TYPICAL SHAFT "C" FRAMING

Scale: 1" = 1'-0"



I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES, REF MECHANICAL DRAWINGS

2. USE HUC 212-3 SIMPSON HANGER AS NEEDED TO FIT FRAMING 3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING JOISTS ARE 3X I 2. 4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS

SHOWN ON THE DRAWINGS.

SHAFT "B" SECTION DETAIL

Scale: 1" = 1'-0"

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KEY PLAN:

SSUANCE:

DATE: 04.25.2014

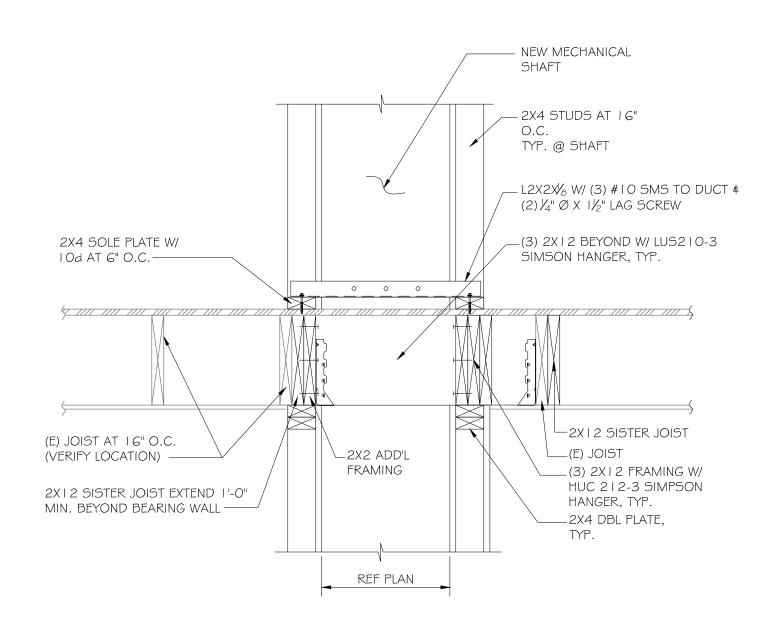
PROJECT NO:

SCALE:

DRAWING TITLE:

FRAMING DETAILS

SHEET NO:



4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

REF MECHANICAL DRAWINGS

JOISTS ARE 3X12.

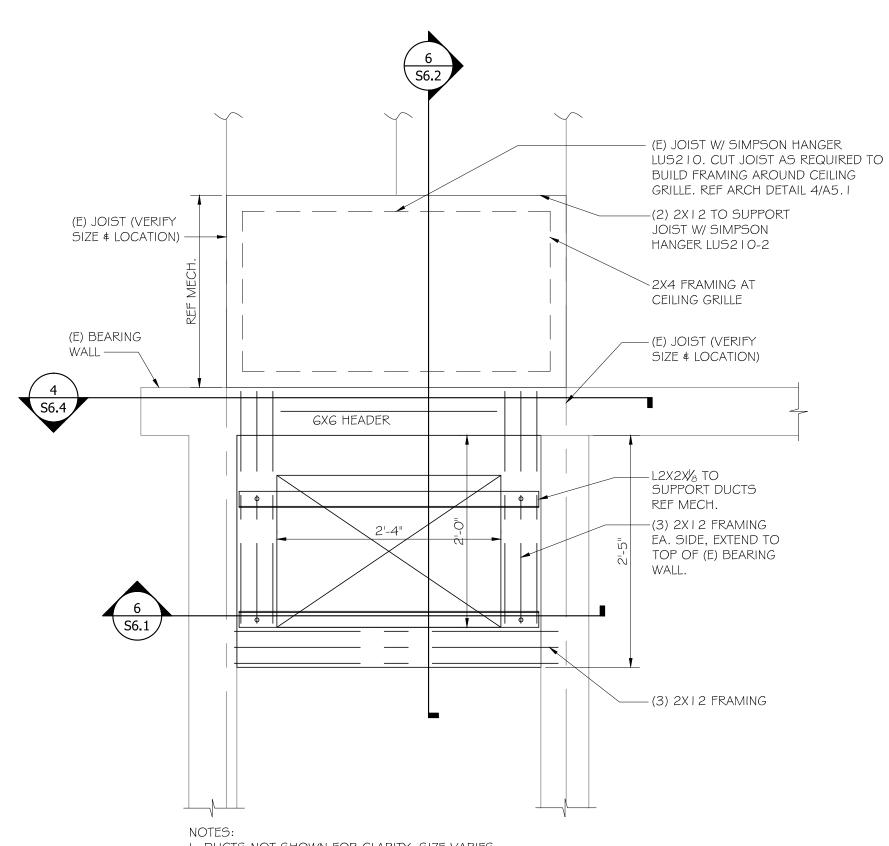
I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES,

2. USE HUC 2 | 2-3 SIMPSON HANGER AS NEEDED TO FIT FRAMING

3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING

SHAFT "C" SECTION DETAIL

Scale: 1" = 1'-0"



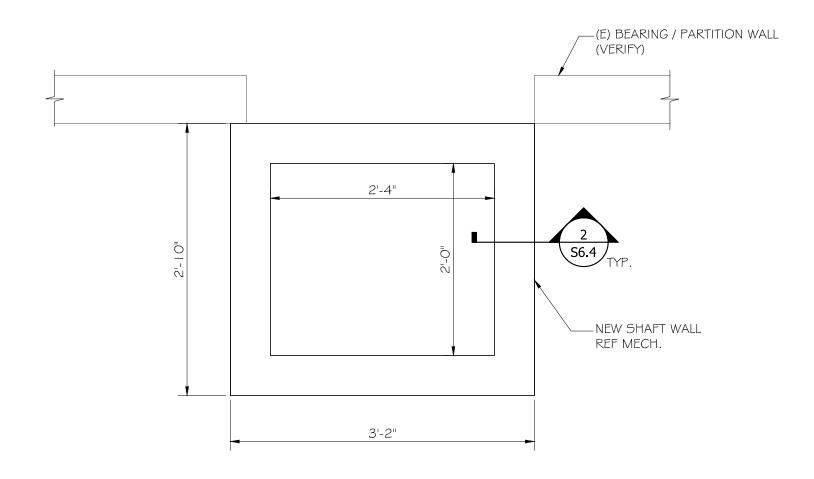
NOTES:

I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES,
REF MECHANICAL DRAWINGS

2. REF 5/S6.2 FOR FRAMING AROUND SHAFT OPENING
3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING JOISTS ARE 3X I 2.
4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

SHAFT "B" FRAMING AT 1ST FLOOR CEILING

Scale: 1" = 1'-0"



NOTES:

1. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES,
REF MECHANICAL DRAWINGS

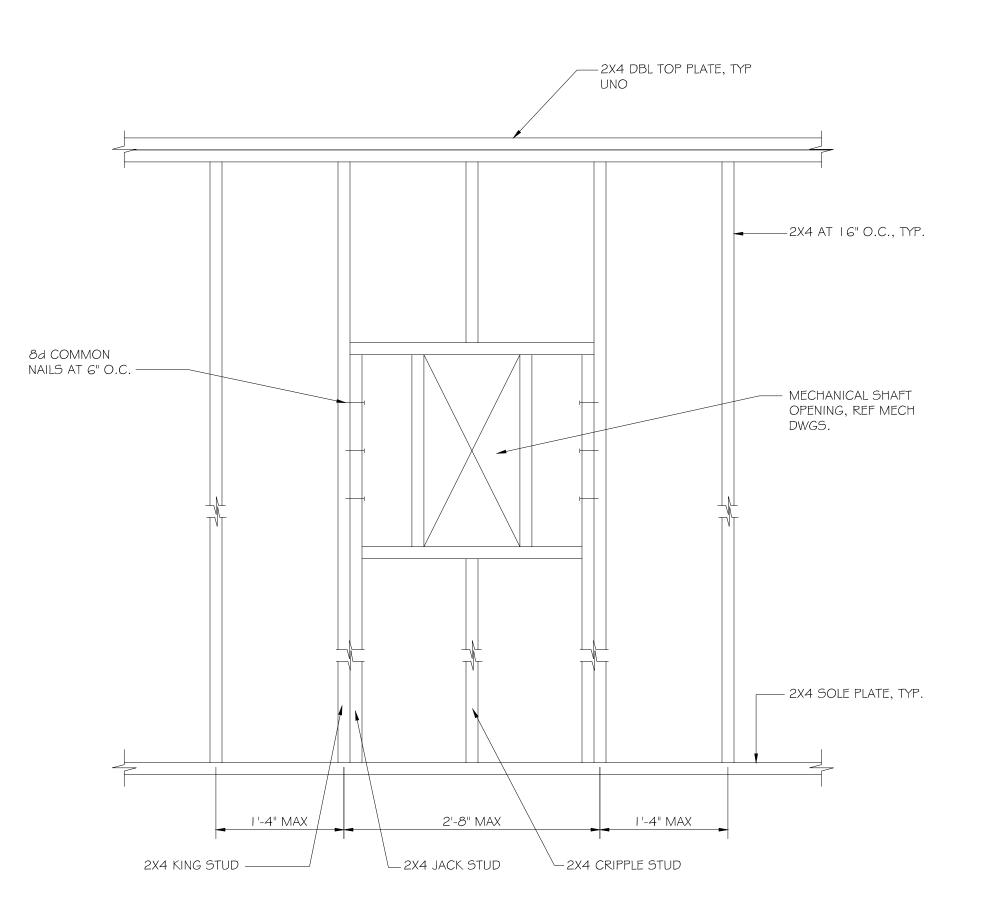
2. REF 5/SG.2 FOR FRAMING AROUND SHAFT OPENING

3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING
JOISTS ARE 3X I 2.

4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS SHOWN ON THE DRAWINGS.

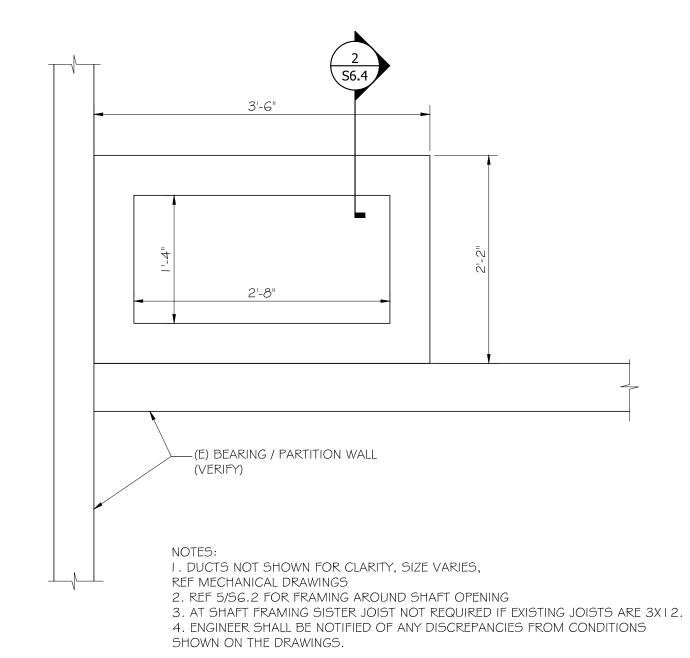
2 TYPICAL SHAFT "B" FRAMING AT 1ST FLOOR

Scale: 1" = 1'-0"



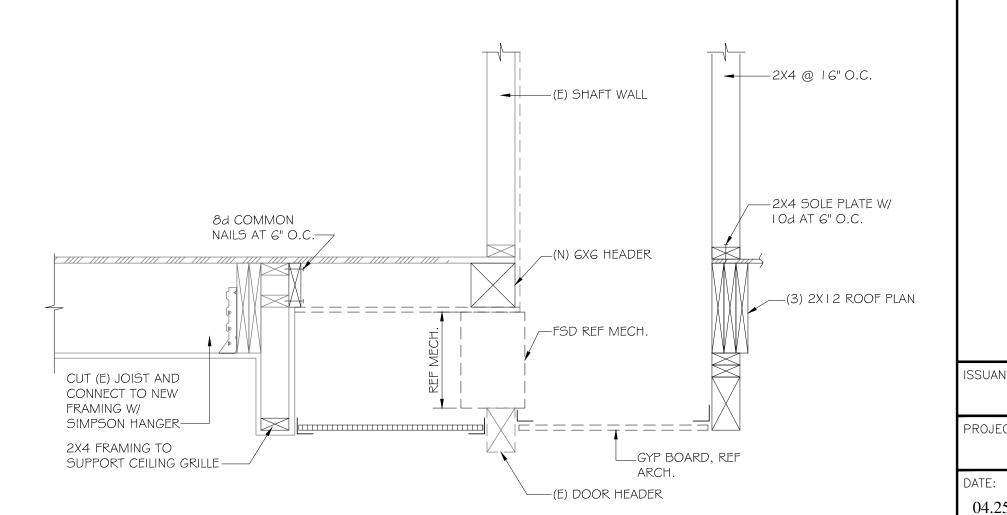
TYPICAL FRAMING AROUND MECHANICAL SHAFT OPENING

Scale: 1" = 1'-0"



SHAFT "C" AT 1ST FLOOR

Scale: 1" = 1'-0"



NOTES:
I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES,

REF MECHANICAL DRAWINGS

2. USE HUC 2 | 2-3 SIMPSON HANGER AS NEEDED TO FIT FRAMING

3. AT SHAFT FRAMING SISTER JOIST NOT REQUIRED IF EXISTING JOISTS ARE 3X | 2.

4. ENGINEER SHALL BE NOTIFIED OF ANY DISCREPANCIES FROM CONDITIONS

SHOWN ON THE DRAWINGS.

6 SECTION AT 1ST FLOOR CEILING SHAFT "B"

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> 21617 SW Susan Lane Beaverton, OR 97006 Ph: 971.222.4378



NO: DATE:

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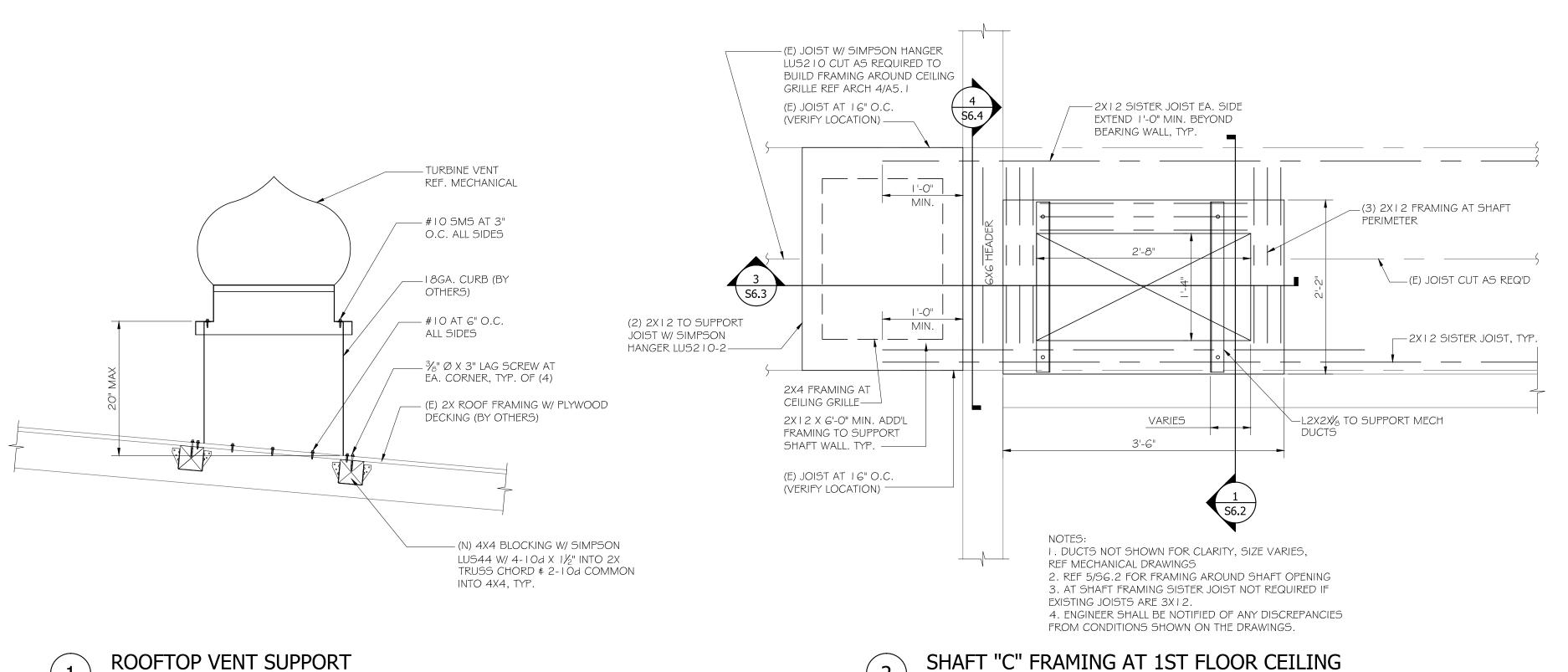
04.25.2014 SCALE:

DRAWING TITLE:

FRAMING DETAILS

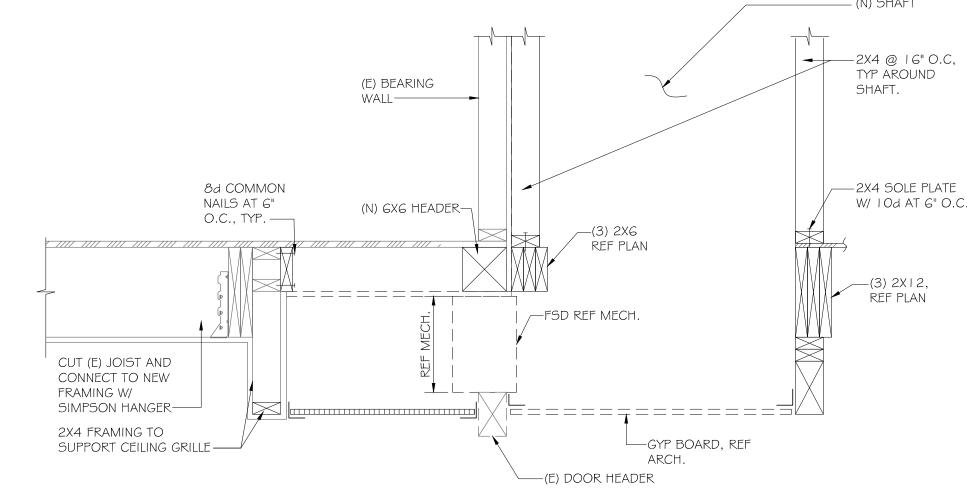
SHEET NO:

S6.2



ROOFTOP VENT SUPPORT

Scale: 1" = 1'-0"



SECTION AT 1ST FLOOR CEILING SHAFT "C" Scale: 1" = 1'-0"

Scale: 1" = 1'-0"

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ENGINEER 65743PE

EXPIRES: 06/30/14

NO:

KEY PLAN:

DATE:

ISSUANCE:

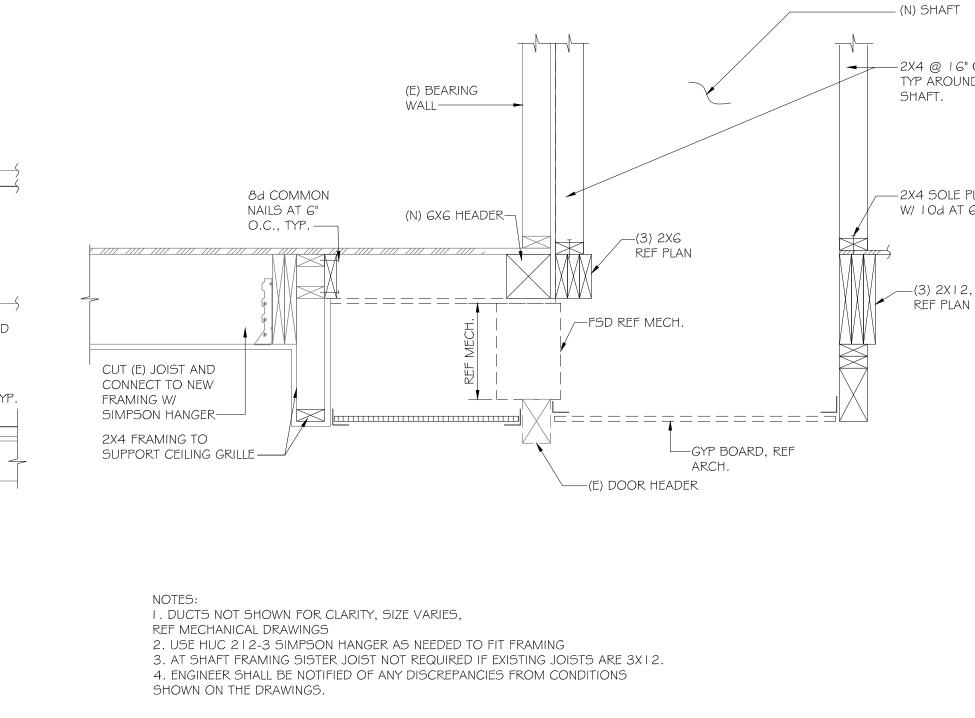
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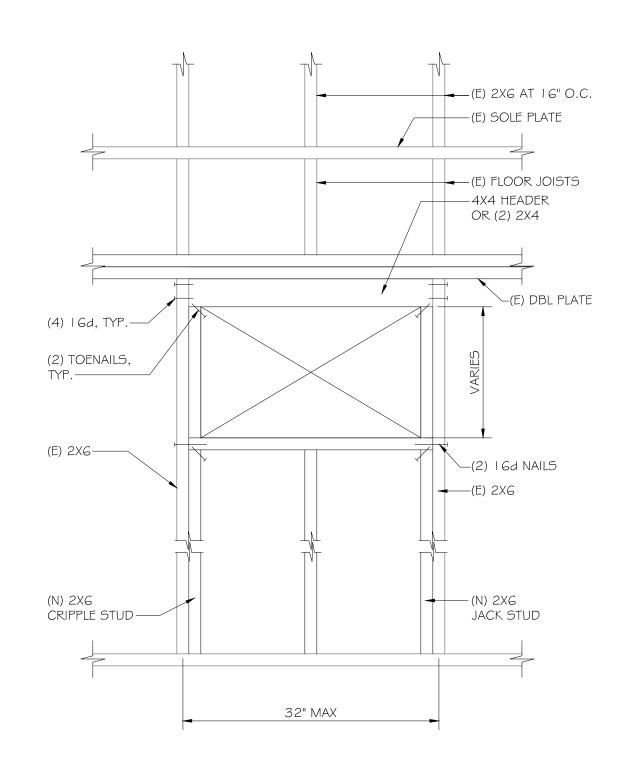
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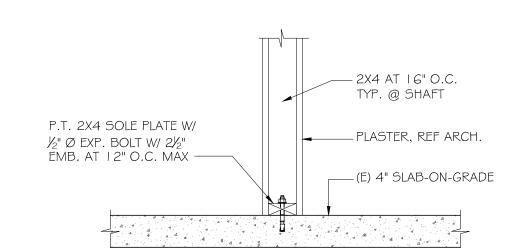
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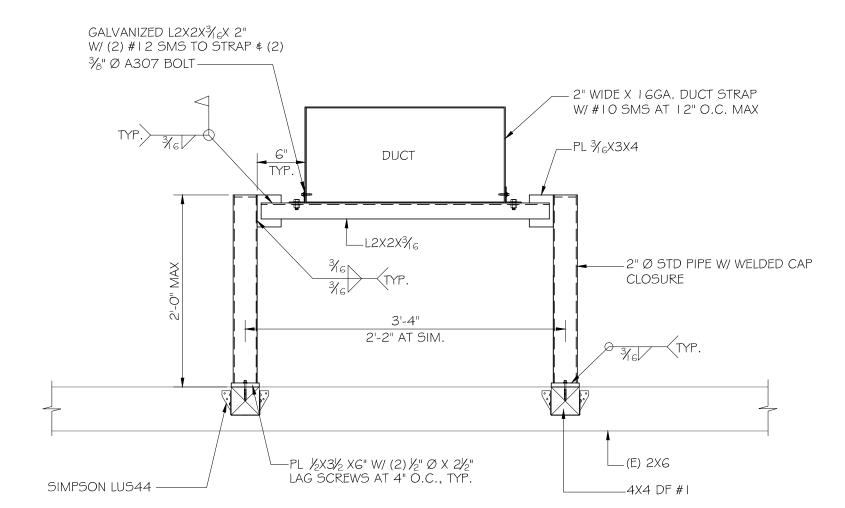
SHEET NO:

DRAWING TITLE: FRAMING DETAILS









FRAMING AT BEARING WALL FSD OPENING

Scale: 1" = 1'-0"

SHAFT / S.O.G. CONNECTION DETAIL Scale: 1" = 1'-0" DUCT SUPPORT DETAIL

——(N) 6X6 HEADER W/ HU66 SIMPSON HANGERS FIRE SMOKE DUMPER. REF FRAMING AROUND SHAFT MECH (FSD) REF PLAN. FIRST FLOOR (E) 2X4 TOP PLATE CUT AS REQUIRED TO FIT FSD. — — (E) DOOR HEADER TO REMAIN (2) 2X4 EA. SIDE OF FSD TO SUPPORT TOP PLATES — (E) DOOR TO REMAIN

> I. DUCTS NOT SHOWN FOR CLARITY, SIZE VARIES, REF MECHANICAL DRAWINGS 2. USE HUC 2 | 2-3 SIMPSON HANGER AS NEEDED TO FIT FRAMING

> > SECTION AT 1ST FLOOR CEILING SHAFT "B" Scale: 1" = 1'-0"

- (E) OVERFRAMING NOT SHOWN FOR CLARITY.

- COORDINATE W/ ARCHITECTURE FOR ROOFING AND FLASHING DETAILS.

RTU FRAMING SUPPORT Scale: 1" = 1'-0"

LAG SCREW 1/4" Ø 21/2" AT 16" O.C. MAX AROUND UNIT PERIMETER, TYP. \_\_\_(2) 2X6 TOP \$ BOT OF CURB ROOF LINE \_\_\_(2) 2X6 TOP -2X6 SUPPORT AT PLATES LAG SCREW  $\frac{1}{4}$ " Ø x  $\frac{2}{2}$ " AT I 6" O.C. MAX AROUND 16" O.C. w/ 10d TOE NAILS UNIT PERIMETER, TYP. <del>-</del>½" PLYWOOD SHEATHING W/ 8d NAILS AT 6" O.C., TYP. -LUS SIMPSON —(2) 2XIO W/ Ĭ ┌ (E) PLYWOOD (6) 16d NAILS HANGERS - SHEATHING ─4X10 BLOCKING W/ —(E) 2XIO ROOF 10d TOE NAILS TO JOISTS AT 16" O.C. (E) BEARING (VERIFY) (E) JOISTS WALL, TYP.

RTU UNIT

Scale: 1" = 1'-0"

ISSUANCE: PROJECT NO:

Portland State PSU Capital Projects & Construction

**EAST HALL** Mech. Ventilation & Interior Refinishing 1st - 3rd Floor INTERIOR REMODEL

(Block 192) 632 SW Hall Ave. Portland, Oregon 97201

CONSULTING ENGINEERS

21617 SW Susan Lane Beaverton, OR 97006 Ph: 971.222.4378

65743PE

EXPIRES: 06/30/14

KEY PLAN:

DATE:

04.25.2014 SCALE:

DRAWING TITLE:

FRAMING DETAILS

SHEET NO: