

STRUCTURAL FOUNDATION SCHEDULE				
MARK	WIDTH	LENGTH	DEPTH	REINFORCEMENT
F-1	24"	CONT.	12"	(3) #4 BAR CONT.
F-2	36"	CONT.	14"	(4) #5 BAR CONT.
F-3	20"	CONT.	10"	(2) #4 BAR CONT.

FOUNDATION WALL SCHEDULE			
HEIGHT	THICKNESS	VERT. REINFORCEMENT	HORIZ. REINFORCEMENT
≤4'	8"	#4 @ 32" O.C.	4 - #4 BARS
≤6'	8"	#4 @ 24" O.C.	5 - #4 BARS
≤8'	8"	#4 @ 24" O.C.	6 - #4 BARS
≤9'	8"	#4 @ 16" O.C.	7 - #4 BARS
≤12'	10"	#5 @ 16" O.C.	9 - #5 BARS

PIER SCHEDULE			
MARK	WIDTH	LENGTH	REINFORCEMENT
P-1	12"	12"	W/ (8) #4 VERT. BARS & #3 RINGS @ 10" O.C. W/ (3) IN TOP 5"

HOLD DOWN AND STRAP SCHEDULE			
MARK	HOLD DOWN	TYPE	Allow. LOAD
A	Simpson STHD10	Embedded Hold down	2940 lbs
B	Simpson MSTC28	Strap Tie	1155 lbs

LEGEND	
MARK	COMMENTS
WS	WALL STEP
FS	FOOTING STEP

KEY NOTES	
MARK	COMMENTS
1	PLACE 6 MIL VAPOR BARRIER BELOW SLAB
2	PLACE 6 MIL VAPOR BARRIER OVER SOIL. LAP ALL EDGES 6"
3	REFER TO ARCHITECTURALS FOR LOCATION
4	6" SLAB W/ #4 @ 12" O.C. E.W.
5	10" THICK POOL FLOOR - SEE SECTION.
6	POOL WALL, SEE SECTION.
7	WALL TO BE PLACED BELOW POOL SLAB - SEE SECTION
8	18" THICK WALL - SEE SECTION. WALL WIDTH REDUCES TO 10" AT CANTILEVERED PORTION
9	FRENCH DRAIN @ PERIMETER. REFER TO ARCHITECTURAL DRAWINGS
10	CRAWL SPACE VENT PER ARCHITECTURAL SHEETS

NOTE: FOOTINGS ARE REQUIRED TO BEAR DIRECTLY ON BEDROCK. CONTRACTOR SHALL STEP FOOTINGS AS FIELD CONDITIONS AND DEPTH OF BEDROCK REQUIRES.

REFER TO GEO TECH REPORT

5/8" ANCHOR BOLTS @ 24" O.C. W/ 7" MINIMUM EMBEDMENT DEPTH AND 3" X 3" X 0.229" PLATE WASHERS ON ALL ANCHOR BOLTS.

(2) ANCHOR BOLTS MIN. PER SHEAR WALL.

REFER TO ARCHITECTURAL PLANS FOR ALL DIMENSIONS

**CONSTRUCTION NOTES**

**FOUNDATION NOTES:**

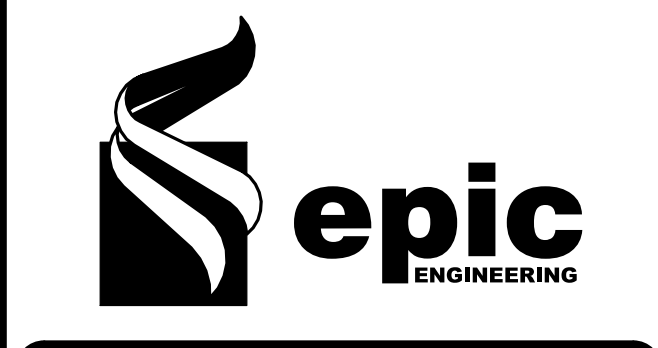
1. ALL CRAWL SPACE SOIL PRESSURE USED IN DESIGN = 5000 PSF.
2. DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BRACING FLOOR IS IN PLACE OR ADEQUATE SHORING IS INSTALLED.
3. ALL FOUNDATION WALLS ARE 8" THICK UNLESS NOTED OTHERWISE ON PLAN. REFER TO CONCRETE NOTES AND PLANS FOR WALL REINFORCEMENT, TYPE AND SIZE OF ATTACH ANCHORS REQUIRED.

**CONCRETE NOTES:**

1. PERFORM ALL CONCRETE WORK IN ACCORDANCE WITH ACI 301-05.
2. ALL CONCRETE SHALL BE STONE AGGREGATE AND HAVE A MIN. COMPRESSIVE STRENGTH OF 3000 PSI TYPICAL. 4000 PSI AT SLABS ON GRADE. WITHIN 28 DAYS AFTER 2,800 PSI COMPRESSIVE STRENGTH (FCI) WAS ASSURED IN THE CALCULATIONS. PLACING.
3. ALL METAL REINFORCEMENT SHALL CONFORM TO A.S.T.M. A618 AND SUPPLEMENT (S1), GRADE 60, WITH A MIN. YIELD STRENGTH OF 60 KSI.
4. ALL REINFORCING BARS SHALL BE DETAILED, BOLSTERED AND SUPPORTED IN ACCORDANCE WITH ACI 315, 316, AND PUBLICATION SP-16.
5. ALL REINFORCEMENT BARS SHALL BE SECURELY ANCHORED TO THE FORMS AND SPACED FROM THEM AS FOLLOWS: (A) FOR CONCRETE NOT EXPOSED DIRECTLY TO THE GROUND OR WEATHER, 3/4" IN SLABS, JOISTS AND WALLS; 1-1/2" IN PIERS, COLUMNS, BEAMS, AND GIRDERS; (B) FOR CONCRETE EXPOSED TO THE GROUND OR WEATHER, 2" IN WALLS, PIERS AND COLUMNS; 3" ABOVE BOTTOM OF FOOTINGS.
6. ALL SPLICES IN CONT. REINFORCING BARS SHALL LAP 36 BAR DIAM. ALL SUCH SPLICES SHALL BE MADE IN A REGION OF COMPRESSION UNLESS SHOWN OTHERWISE.
7. PROVIDE 1/4" MIN. AMPITUDE ROUGHENED JOINT IN TOP OF ALL FOOTINGS.
8. LARGE AREAS OF SLAB ON GRADE SHALL BE PLACED IN CHECKERBOARD FASHION IN LENGTHS NOT TO EXCEED 24'-0" IN ANY DIRECTION.
9. PLACE CONTROL JOINTS IN SLABS AT 12'-0" O.C. IN EACH DIRECTION BY SAW CUTTING OR PRECASTED STRIP. MATCH THE SLAB THICKNESS.
10. REINFORCE ALL CONCRETE WALLS AS SHOWN ON THE PLANS.
11. USE (2) #4 AT TOPS, BOTTOM AND SIDES OF ALL OPENINGS.
12. ALL CORNERS SHALL HAVE AT LEAST 30 BAR DIA. EMBEDMENT ANCHORS STANDARD HOOKS AT ENDS.
13. PROVIDE STD. CONCRETE WALL AND FOOTING INTERSECTING CORNERS OF WALLS AND FOOTINGS. USE SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT.
14. CONTRACTOR IS RESPONSIBLE FOR ALL FORMING AND BRACING REQUIREMENTS TO INSURE THAT THE FORMS ARE STABLE AND PLUMB DURING CONCRETE PLACEMENT.
15. PROVIDE CONCRETE MIX WITH A MIN. COMPRESSIVE STRENGTH OF 3000 PSI.
16. TOP OF FOUNDATION WALL TO BE A MIN OF 8" ABOVE ADJACENT FINISH GRADE.

**DATE**

JUNE 2015



REVISIONS		
MARK	DATE	DESCRIPTION
1	05/20/15	Revision 1

DRAWN: JKC  
 DESIGNER: PW  
 REVIEWED: AJH

PROJECT #  
 14SM2068

**SCALES**

As indicated

**PROJECT NAME:**  
 FALCONE RESIDENCE

**PROJECT LOCATION:**  
 7947 EAST HEARTWOOD DRIVE  
 WEBER COUNTY, UT

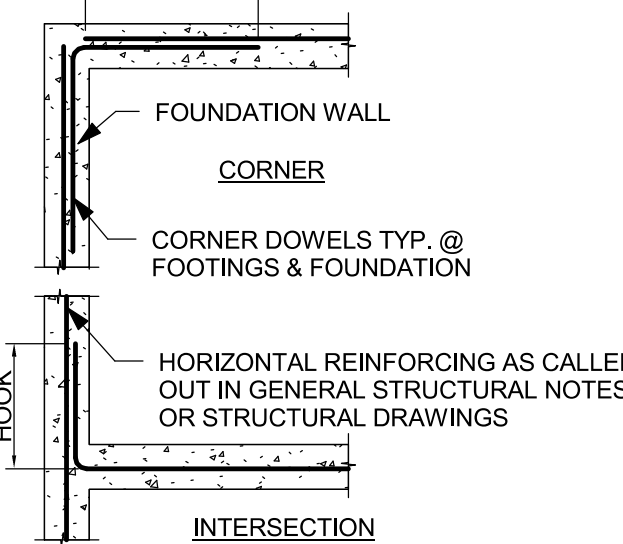
**SHEET TITLE:**  
 FOUNDATION PLAN

**PLAN SET:** PERMIT **SHEET** S1.1

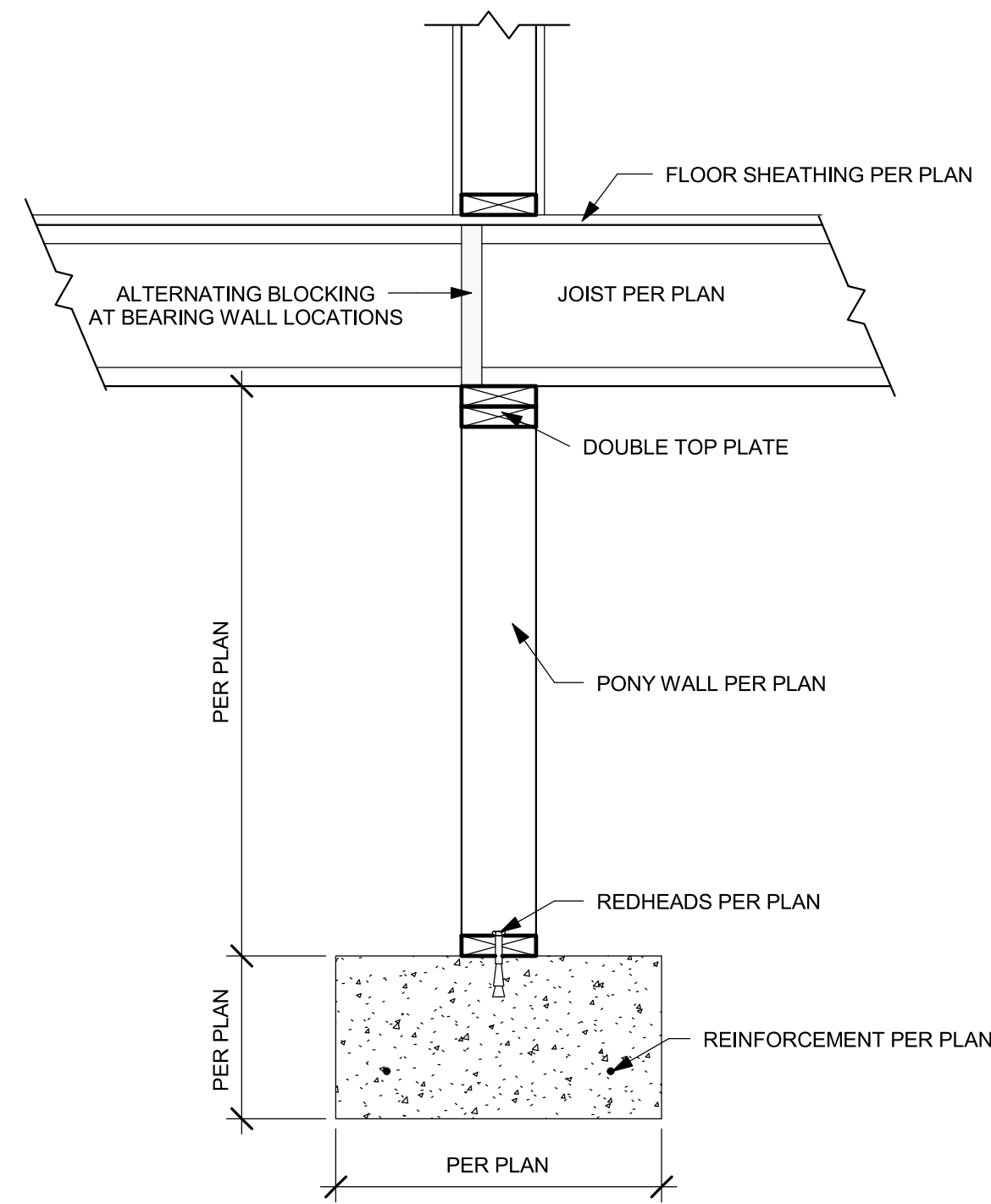
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REINFORCING LAP LENGTH SPLICE SCHEDULE								
BAR SIZE	fc=3000 PSI				fc=4000 PSI			
	REGULAR CLASS		TOP CLASS		REGULAR CLASS		TOP CLASS	
#3	17"	22"	22"	28"	15"	19"	19"	24"
#4	22"	29"	29"	38"	18"	25"	26"	33"
#5	28"	36"	37"	48"	24"	31"	32"	42"
#6	33"	43"	45"	58"	29"	37"	39"	50"
#7	48"	63"	63"	82"	42"	55"	55"	71"
#8	55"	72"	72"	93"	48"	63"	63"	81"
#9	62"	81"	81"	105"	54"	71"	71"	92"
#10	70"	91"	91"	118"	61"	79"	79"	103"

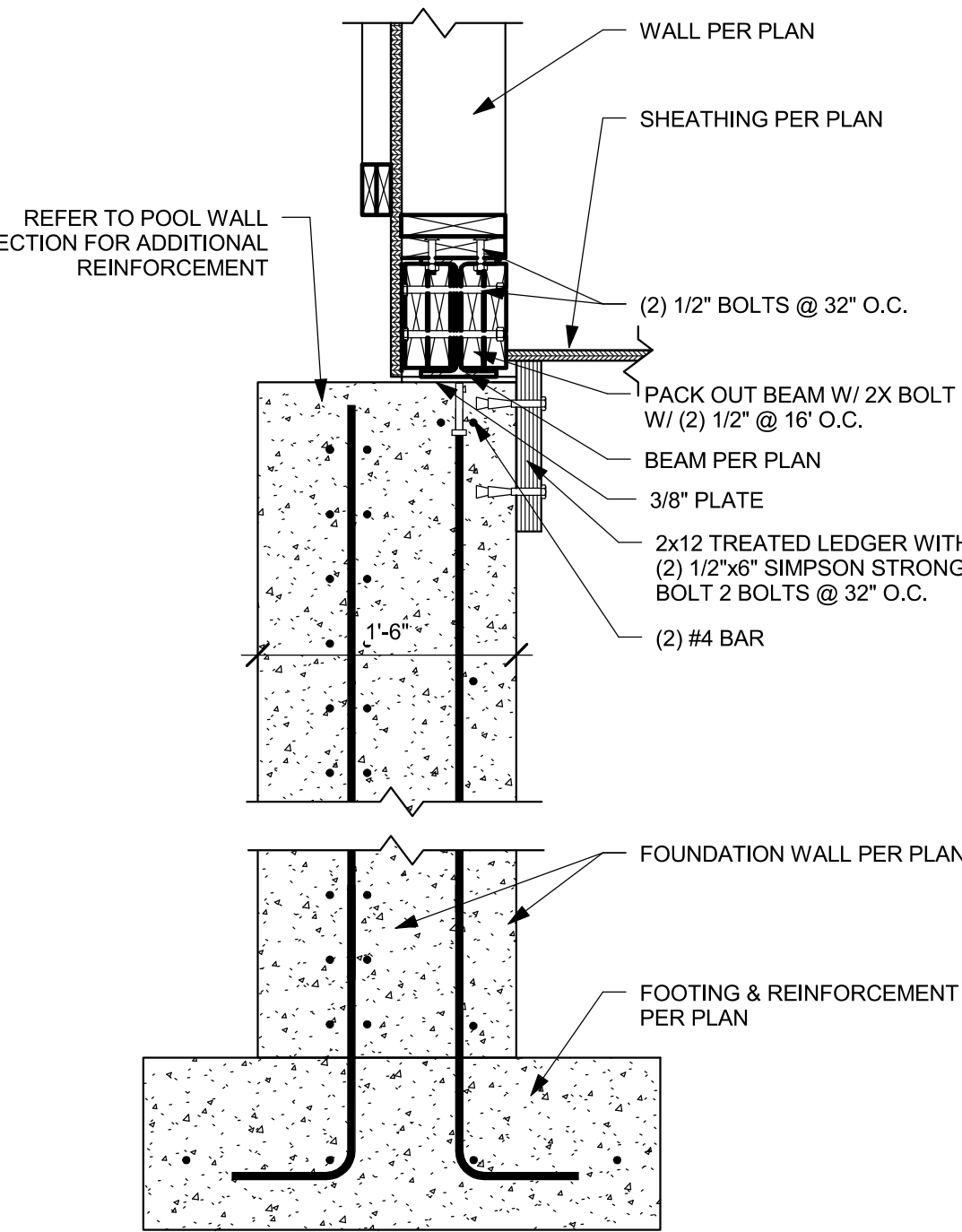
- NOTES:
- THE SCHEDULE SHOWN APPLIES TO REG WT CONCRETE WITH 60KSI GRADE REINFORCING BARS.
  - TOP BARS ARE HORIZONTAL BARS WITH 12" (OR MORE) OF FRESH CONCRETE CAST BELOW THE BARS.
  - CLASS "A" SPLICES SHALL BE USED WHEN 50% (OR LESS) OF BARS SPLICED WITHIN LAP.
  - CLASS "B" SPLICES SHALL BE USED FOR ALL ELSE, TYPICALLY WITH SHEAR WALL, COLUMNS, BEAM & SLABS.
  - FOR BUNDLED BARS, INCREASE LAP LENGTHS AS FOLLOWS:  
BUNDLED BARS, THREE OR LESS: LdX1.33  
BUNDLED BARS, FOUR OR MORE: LdX1.33
  - INDIVIDUAL BAR SPLICES WITHIN A BUNDLE SHALL NOT OVERLAP.
  - LAP SPLICES ARE NOT ALLOWED FOR TIES AND STIRRUPS.



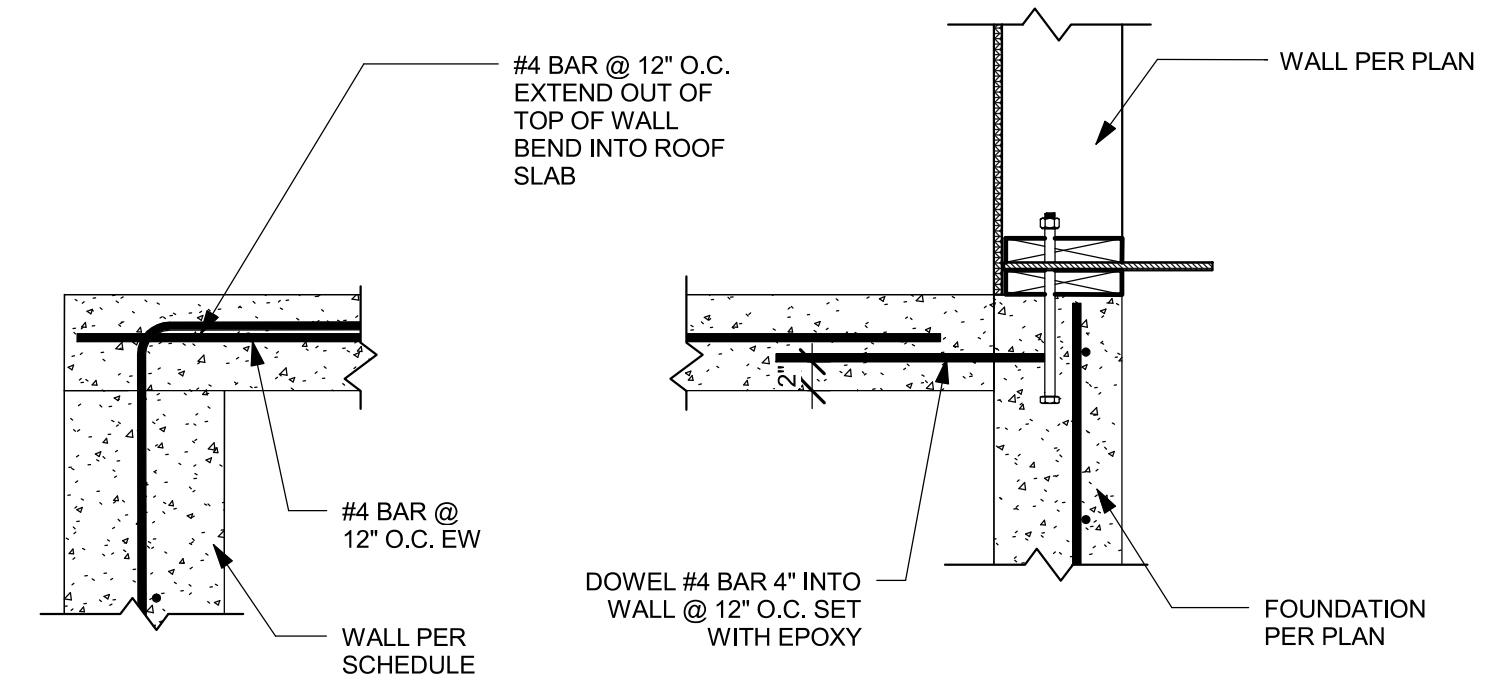
REQUIRED LAP LENGTH		
TYPE	CONCRETE	MASONRY MIN.
SPLICE	40 BAR DIA, 48 BAR DIA, 24"	
HOOK	12 BAR DIA, 20 BAR DIA, 12"	



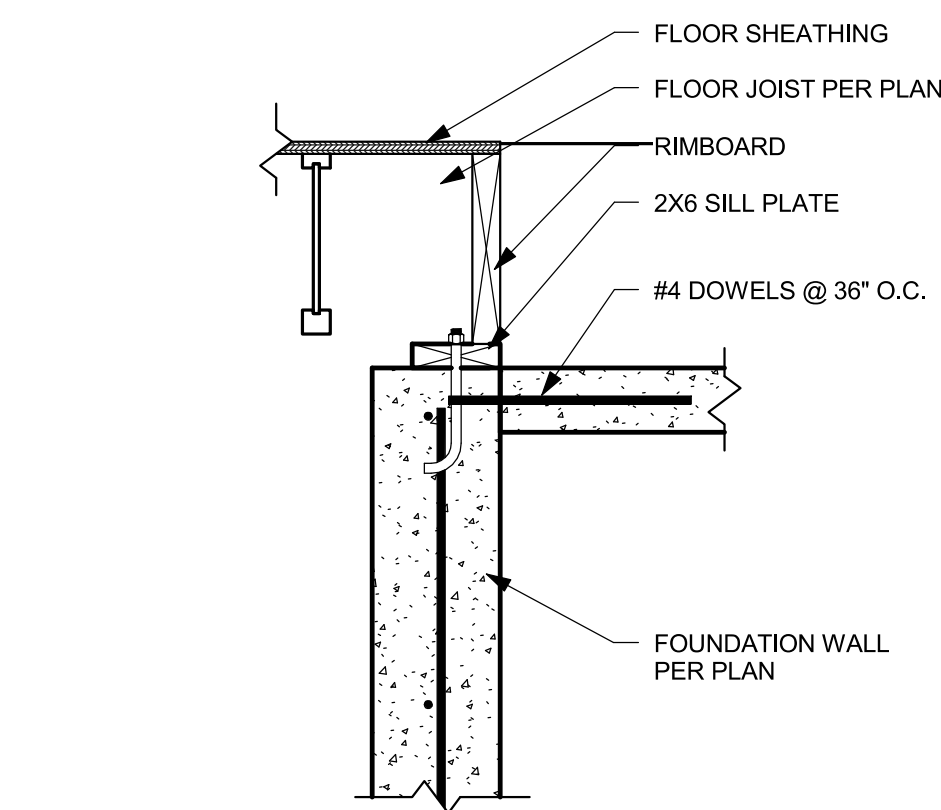
② (TYP) PONY WALL  
1" = 1'-0"



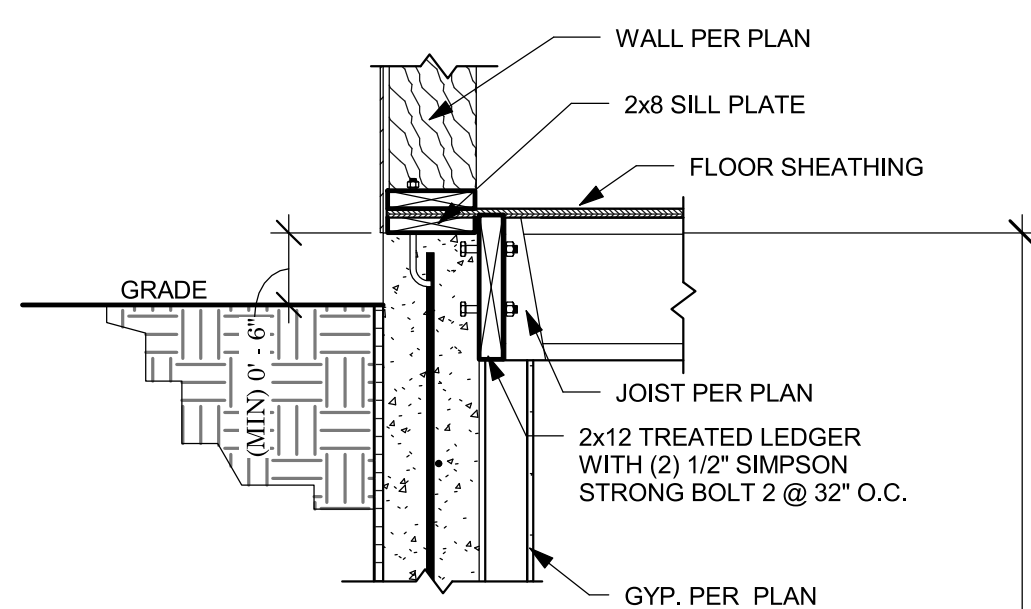
③ S. HOT TUB SIDE WALL  
1" = 1'-0"



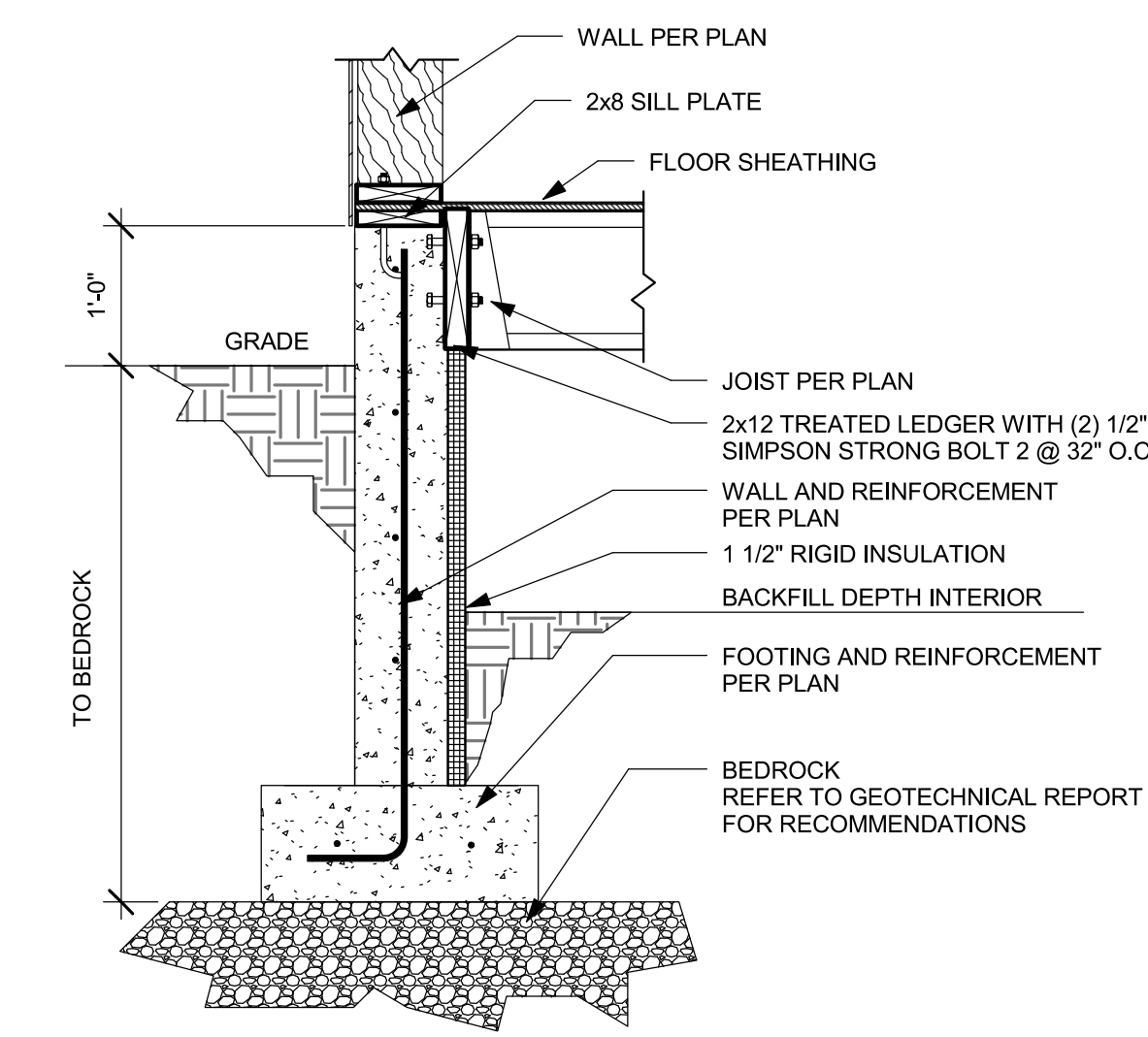
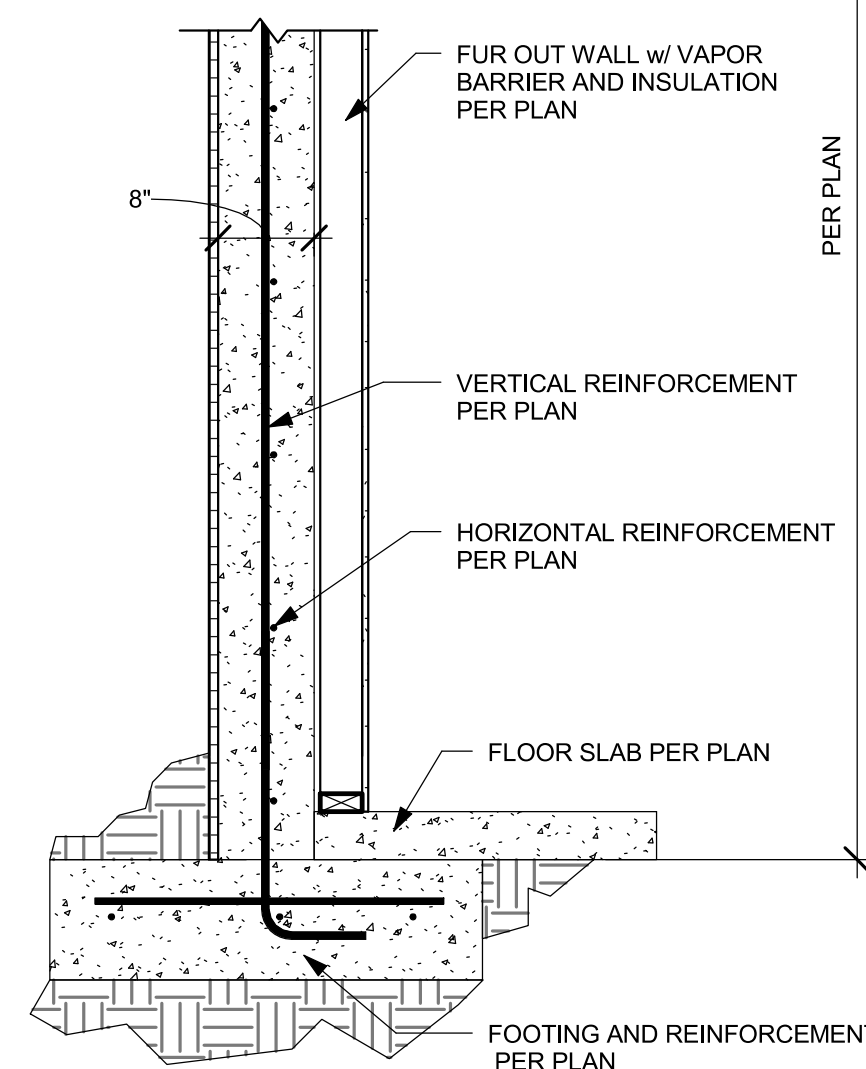
④ LOWER ROOF SLAB @ HOUSE WALL  
1" = 1'-0"



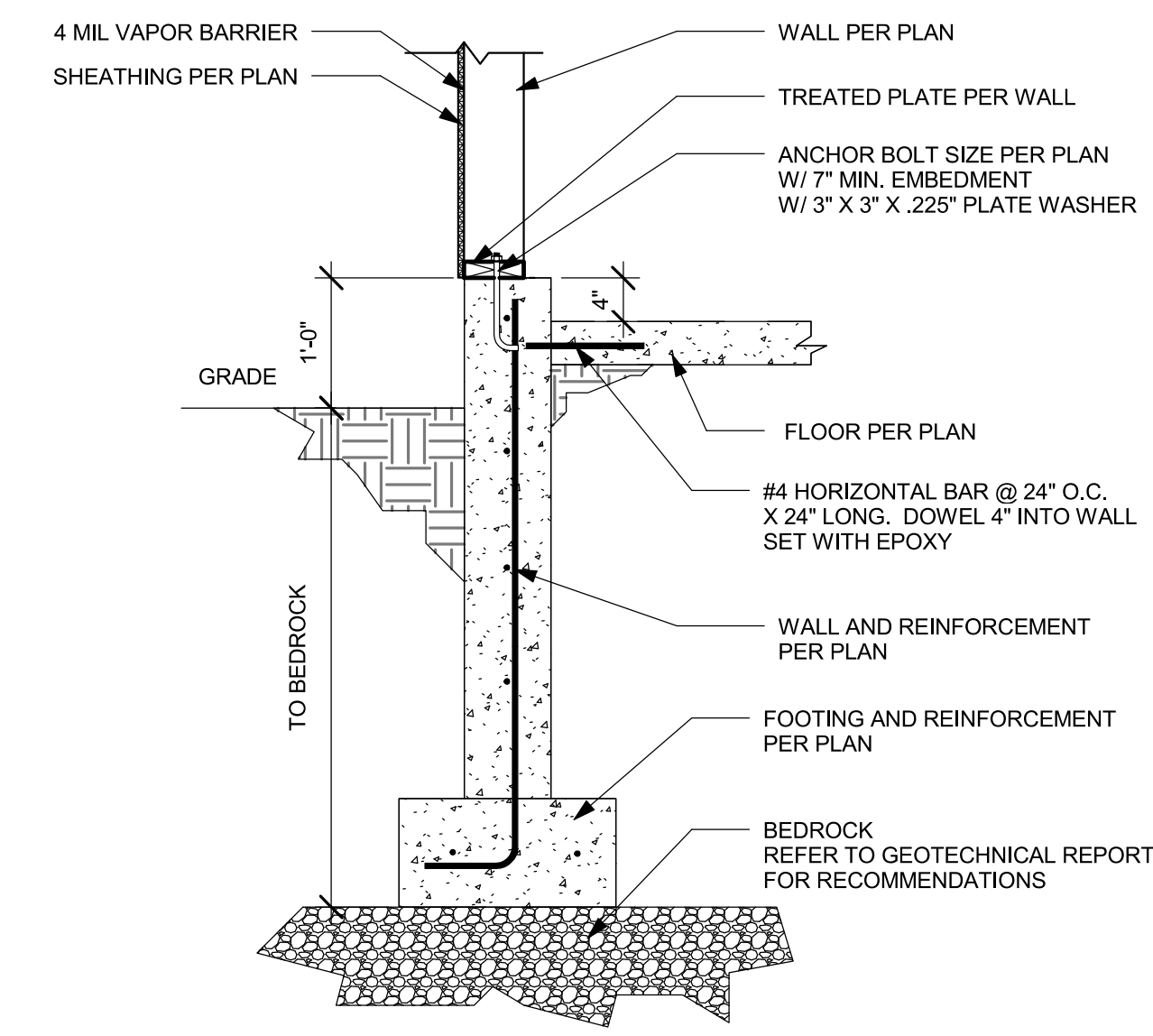
① FLOOR STEP  
1" = 1'-0"



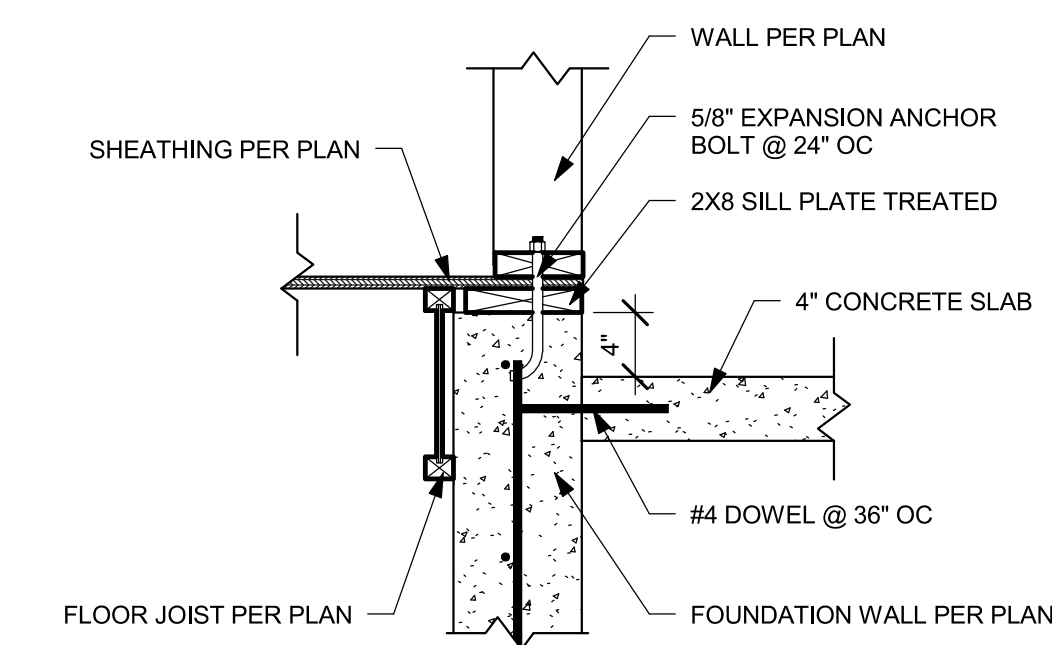
⑥ (TYP) FULL HEIGHT FND WALL  
3/4" = 1'-0"



⑧ (TYP) PERIMETER FOUNDATION WALL  
3/4" = 1'-0"



⑨ (TYP) GARAGE STEM WALL  
3/4" = 1'-0"



⑤ S. GARAGE STEM 2  
1" = 1'-0"

- CONSTRUCTION NOTES**
- FOUNDATION NOTES:
- ALLOWABLE SOIL PRESSURE USED IN DESIGN = 6000 PSF
  - DO NOT PLACE BACKFILL AGAINST FOUNDATION WALLS UNTIL BRACING FLOOR IS IN PLACE OR ADEQUATE SHORING IS INSTALLED.
  - ALL FOUNDATION WALLS ARE 8" THICK UNLESS NOTED OTHERWISE ON PLAN. REFER TO CONCRETE NOTES AND PLANS FOR WALL REINFORCEMENT TYPE AND SIZE OF ATTACH ANCHORS REQUIRED.
- CONCRETE NOTES:
- PERFORM ALL CONCRETE WORK IN ACCORDANCE WITH ACI 301-04.
  - ALL CONCRETE SHALL BE STONE AGGREGATE AND HAVE A MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI TYPICAL, 4000 PSI AT SLABS ON GRADE, WITHIN 28 DAYS AFTER 2,500 PSI COMPRESSIVE STRENGTH (FC) WAS ASSUMED IN THE CALCULATIONS. PLACING:
  - ALL METAL REINFORCEMENT BARS SHALL CONFORM TO A.S.T.M. A615 AND SUPPLEMENT (S1), GRADE 60, WITH A MINIMUM YIELD STRENGTH OF 60 KSI.
  - ALL REINFORCEMENT BARS SHALL BE SECURELY ANCHORED TO THE FORMS AND SPACED FROM THEM AS FOLLOWS: (A) FOR CONCRETE NOT EXPOSED DIRECTLY TO THE GROUND OR WEATHER, 3/4" IN SLABS, CHAIRS AND WALLS, 1-1/2" IN PIERS, COLUMNS, BEAMS, AND GIRDERS; (B) FOR CONCRETE EXPOSED TO THE GROUND OR WEATHER, 2" IN WALLS, PIERS AND COLUMNS, 3" ABOVE BOTTOM OF FOOTINGS.
  - ALL SPLICES IN CONTINUOUS REINFORCING BARS SHALL LAP 30 BAR DIAMETERS. ALL SUCH SPLICES SHALL BE MADE IN A REGION OF COMPRESSION UNLESS SHOWN OTHERWISE.
  - PROVIDE 1/4" MINIMUM AMPLITUDE ROUGHENED JOINT IN TOP OF ALL FOOTINGS.
  - LARGE AREAS OF SLAB ON GRADE SHALL BE PLACED IN CHECKERBOARD PATTERN IN LENGTHS NOT TO EXCEED 24'-0" IN ANY DIRECTION.
  - PLACE CONTROL JOINTS IN SLABS AT 12'-0" O.C. IN EACH DIRECTION BY SAW CUTTING OR PREMOULDED STRIP, 1/4" THICK THE SLAB THICKNESS.
  - REINFORCE ALL CONCRETE WALLS AS SHOWN ON PLANS.
  - USE (2) #4 AT TOPS, BOTTOMS, AND SIDES OF ALL OPENINGS.
  - ALL DOWELS SHALL HAVE AT LEAST 8X BAR DIAMETER EMBEDMENT AND/OR STANDARD HOOK AT ENDS.
  - PROVIDE STD. CORNER BARS AT ALL INTERSECTING CORNERS OF WALLS AND FOOTINGS. USE SAME SIZE AND SPACING AS HORIZONTAL REINFORCEMENT.
  - CONTRACTOR IS RESPONSIBLE FOR ALL FORMING AND BRACING REQUIREMENTS TO ENSURE THAT THE FORMS ARE STABLE AND PLUMB DURING CONCRETE PLACEMENT.
  - ALL FOOTINGS TO BE A MINIMUM OF 36" BELOW FINISHED GRADE. IRC RA3.1.4
  - PROVIDE CONCRETE MIX WITH A MINIMUM COMPRESSIVE STRENGTH OF 3,000 PSI. IRC RA3.2
  - PROVIDE FOUNDATION WALL TO BE A MINIMUM OF 6 INCHES ABOVE ADJACENT FINISH GRADE. IRC RA3.1.6
  - CONCRETE FLOOR SLABS EXCEPT THOSE IN UNHEATED ACCESSORY STRUCTURES, SHALL HAVE A VAPOR RETARDER CONSISTING OF A 6 MIL (0.06 INCHES) VETIVAPOR BARRIER OR APPROVED VAPOR RETARDER WITH JOINTS LAPPED NOT LESS THAN 8 INCHES PLACED BETWEEN THE CONCRETE FLOOR SLAB AND THE BASE COURSE MATERIAL.
  - SLAB ON GRADE FLOORS AT EXTERIOR PERIMETER FOUNDATION WALLS THAT ARE ABOVE GRADE, ARE REQUIRED TO BE INSULATED, ALSO BETWEEN THE WALL AND THE END OF THE SLAB A THERMO BREAK IS REQUIRED. IECC 102.4.1, 802.2.7

DATE  
JUNE 2015



REVISIONS

MARK	DATE	DESCRIPTION

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH  
PROJECT #  
14SM2068

SCALES  
As indicated

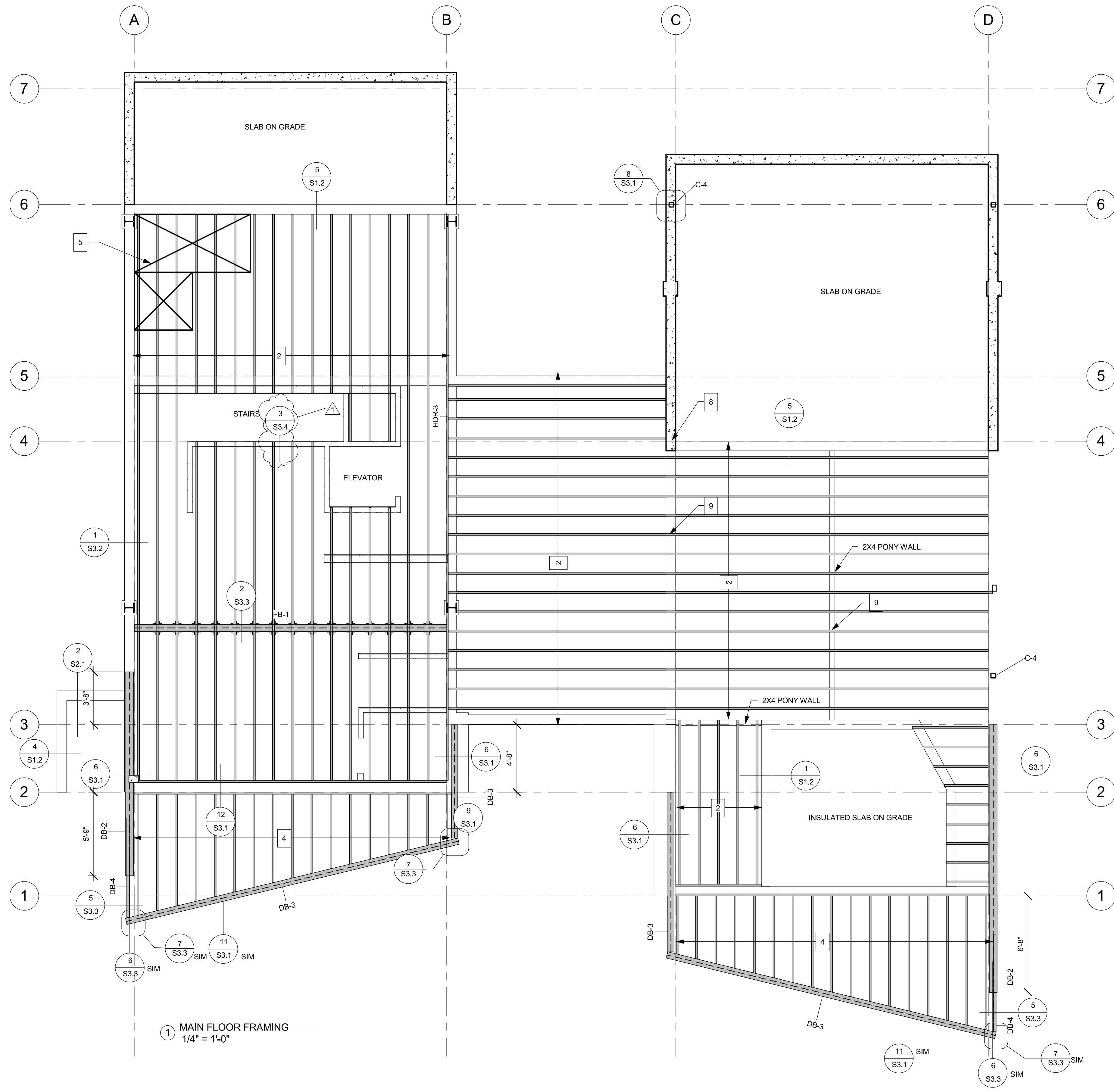
PROJECT NAME:  
FALCONE RESIDENCE

PROJECT LOCATION:  
7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT

SHEET TITLE:  
FOUNDATION SCHEDULES

PLAN SET: PERMIT SHEET  
S1.2

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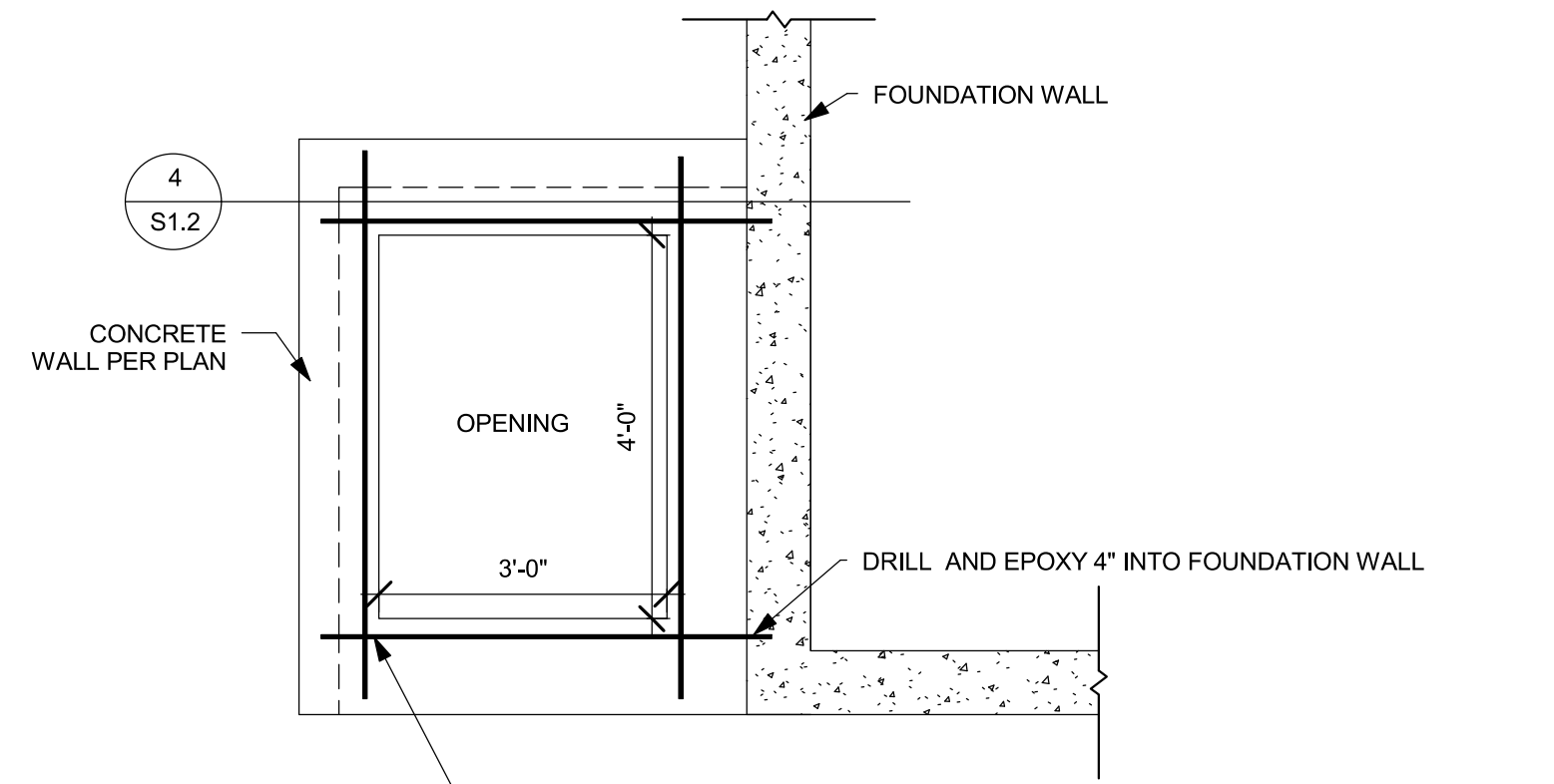
**1 MAIN FLOOR FRAMING**  
1/4" = 1'-0"

STRUCTURAL HEADER SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
HDR-1	(2) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-2	(2) 1-3/4" x 9-1/2"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-3	(2) 2x10	#2 DF	#2 DF	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-4	(3) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-5	(2) 1-3/4" x 16"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	

STRUCTURAL FLOOR & DECK BEAM SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
FB-1	W 10X30	STEEL	50 KSI		
FB-2	1-3/4" X 11-7/8"	LVL	1.9E		
DB-1	W 10X12	STEEL	50 KSI		
DB-2	W 12X35	STEEL	50 KSI		
DB-3	W 8X21	STEEL	50 KSI		
DB-4	C 8X11.5	STEEL	36 KSI		

STRUCTURAL COLUMN SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
C-1	W12X22	STEEL	50 KSI		
C-2	W18X35	STEEL	50 KSI		
C-3	(3) 2x8	#2 DF	#2 DF		
C-4	HSS 4X4X1/4	STEEL	46 KSI		
C-5	W14X22	STEEL	50 KSI		

KEY NOTES	
MARK	COMMENTS
1	(2) 16" TJI 560 @ 19.2" O.C. USE HB 7.12/16 HANGERS AS NEEDED
2	11-7/8" TJI 210 @ 16" O.C. USE ITS 2.06/11.88 HANGERS AS NEEDED
3	16" TJI 360 @ 16" O.C. USE IUS 2.37/16 HANGERS
4	2X8 #2DF @ 16" O.C. USE LUS28 HANGERS AS NEEDED
5	WARMBOARD 'S'
6	DOUBLE JOIST
7	5/8" OSB SHEATHING W/ 8d NAILS @ 4" O.C. EDGE, 12" O.C. FIELD
8	2X12 TREATED LEDGER W/ (2) 1/2" X6" EXPANSION BOLTS @ 16" O.C.
9	BLOCKING (TYP)
10	LVL RIMBOARD
11	ATTACH RB-1 TO C-2 AS PER DETAIL 3/S3.1
12	2x8 #2DF @ 24" O.C. W/ LUS26 HANGERS
13	FLOOR HATCH TO BE A MINIMUM OF 18"X24" OPENING. VERIFY W/ ARCHITECT ON LOCATION
14	BEARING ON LOWER ROOF BEAM. SEE SHEET S2.4



**2 ROOF SLAB OPENING REINFORCEMENT**  
1/2" = 1'-0"

- COLUMN NOTES:**
- ALL COLUMNS (POSTS) SHALL STOP AT FLOOR LEVEL AND BE SOLID BLOCKED THROUGH THE FLOOR JOIST SPACE UNLESS NOTED OTHER WISE.
  - ALL TRIMMERS SHALL BE NAILED TO A SINGLE KING STUD (FULL HT.) OR TO A DOUBLE KING STUD IF A SHEAR WALL HOLDOWN OR STRAP IS SPECIFIED. PROVIDE FULL BEARING COLUMN w/ TRIMMERS ON EACH SIDE OF BEAMS INTERSECTING PARALLEL TO ADJOINING FRAMING. (U.N.O.)
  - ALL MULTI-STUD COLUMNS SHALL BE CONSTRUCTED WITH STUDS ORIENTED THE SAME DIRECTION AS THE WALL STUDS. INSTALL SOLID PLYWD. FILLER AS REQ'D TO FLUSH THE COLUMN SIDE WITH BEAM. ADD KING STUD EACH SIDE.
  - NAIL DOUBLE-STUD COLUMNS TOGETHER w/ 10d @ 12" O.C. NAIL ALL OTHER MULTI-STUD COLUMNS TOGETHER w/ 16d @ 12" O.C. EACH MEMBER.
  - KING STUD TO BEAM: 16d@TOP, BTM, & 3" O.C. (STAGGERED)

**FRAMING COLUMN NOTES**  
1" = 1'-0"

**CONSTRUCTION NOTES**

**FRAMING NOTES:**

- PROVIDE A MINIMUM 18 INCH CLEARANCE FOR WOOD JOISTS AND 12 INCHES CLEARANCE FOR WOOD GIRDERS IN THE CRAWLSPACE UNLESS PROPER REDWOOD OR PRESSURE TREATED WOOD IS SPECIFIED. IRC R511.1
- ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY INCLUDING LEDGERS AND FURRING WALLS MUST BE PRESERVATIVE TREATED OR FOUNDATION GRADE REDWOOD - IRC R319
- PROVIDE 1/2" AIRSPACE AT TOP, SIDES AND ENDS OF GIRDERS ENTERING EXTERIOR CONCRETE OR MASONRY WALLS UNLESS WOODS RESISTANT TO DECAY ARE USED. IRC R319.1
- NO WOOD SHALL BE NEARER THAN 4 INCHES TO EARTH UNLESS SEPARATED BY CONCRETE AT LEAST 3 INCHES IN THICKNESS WITH AN IMPERVIOUS MEMBRANE INSTALLED BETWEEN THE EARTH AND THE CONCRETE. THIS INCLUDES DECKES AND SINGING - IRC R319
- ACCESSIBLE BELOW-LOOR AREAS SHALL BE PROVIDED WITH A MINIMUM 18" X 24" ACCESS OPENING. IRC R303.3
- FOR ACCESS TO MECHANICAL EQUIPMENT IN THESE AREAS. SEE IRC M305.1.4
- PROVIDE A MINIMUM 22" X 30" ATTIC ACCESS IN A HALLWAY OR OTHER READILY ACCESSIBLE LOCATION. IRC R507
- SEE M305.1.3 FOR ACCESS TO FURNACES AND OTHER MECHANICAL EQUIPMENT IN ATTIC.
- PROVIDE A MINIMUM OF 2 INCH THICK REDWOOD PLANKS FOR DECK IF DECK JOIST SPACING IS 16" ON CENTER OR GREATER. NOMINAL 1" THICK PLANKING SHALL NOT BE USED WHERE DECK JOISTS ARE SPACES GREATER THAN 12" ON CENTER. IRC R501.2
- FREE BLOCK STUD SPACES AT SOFFITS, FLOOR AND CEILING JOIST LINES. AT 10 FT. VERTICALLY AND HORIZONTALLY AND AT OPENINGS BETWEEN ATTIC SPACES AND CHIMNEY SPACES FOR FACTORY BUILT CHIMNEYS, AND AT ANY OTHER LOCATIONS NOT SPECIFICALLY MENTIONED WHICH COULD AFFORD PASSAGE FOR FLAMES. IRC R602.8
- ALL HEADERS TYPICAL FOR ALL 2X4 WALLS ARE (2) 2 X 10 #2DF U.N.O.
- ALL HEADERS TYPICAL FOR ALL 2X6 WALLS ARE (3) 2 X 10 #2DF U.N.O.

**DATE**  
JUNE 2015

**REVISIONS**

MARK	DATE	DESCRIPTION
1	6/2/2015	Revision 1

**DRAWN:** JKC  
**DESIGNER:** PW  
**REVIEWED:** AJH

**PROJECT #**  
14SM2068

**SCALES**

As indicated

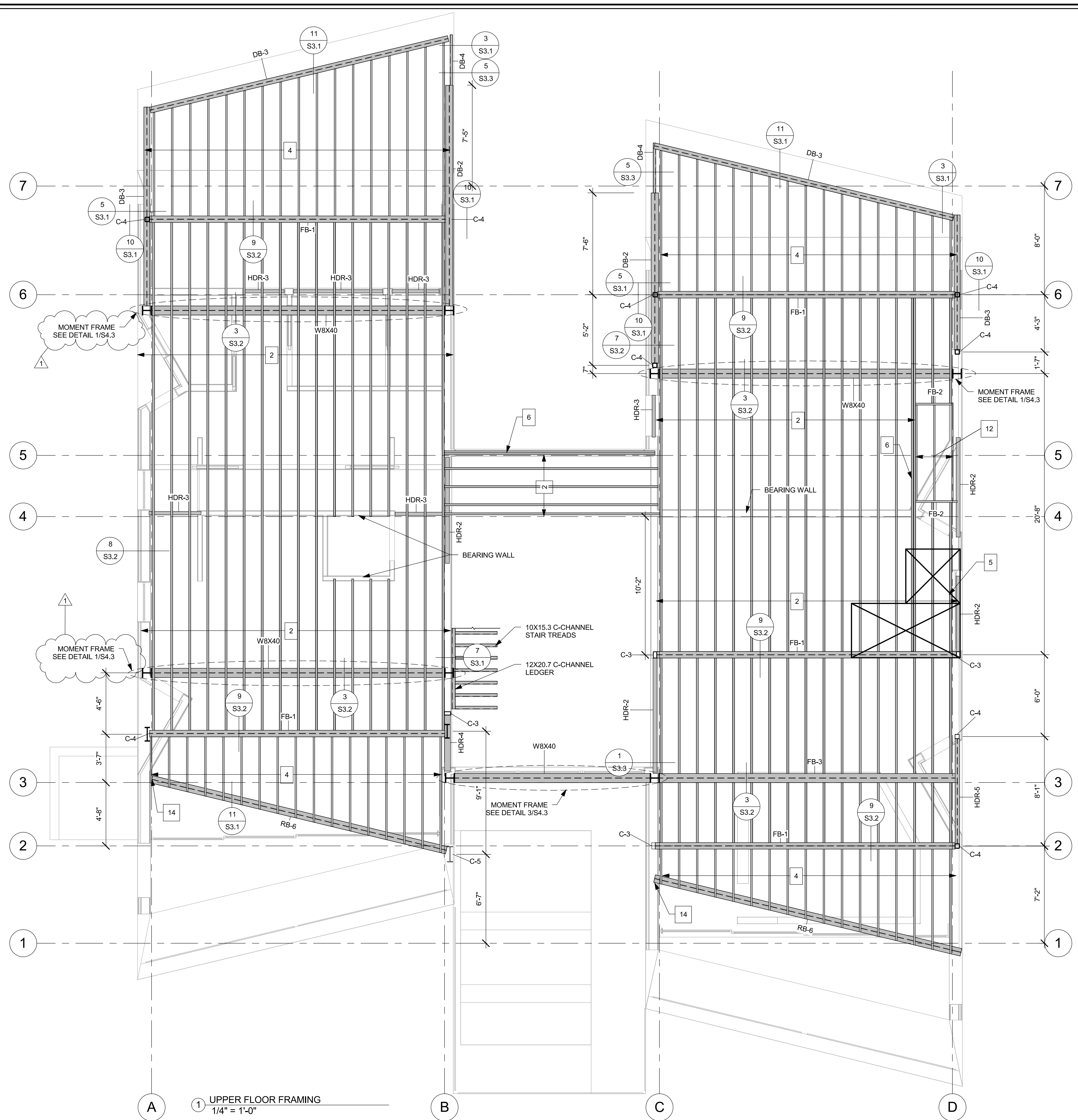
**PROJECT NAME:**  
**FALCONE RESIDENCE**

**PROJECT LOCATION:**  
**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

**SHEET TITLE:**  
**MAIN FLOOR FRAMING PLAN**

**PLAN SET:** PERMIT      **SHEET** S2.1

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1 UPPER FLOOR FRAMING  
1/4" = 1'-0"

**STRUCTURAL HEADER SCHEDULE**

MARK	SIZE	TYPE	GRADE	COMMENTS
HDR-1	(2) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-2	(2) 1-3/4" x 9-1/2"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-3	(2) 2x10	#2 DF	#2 DF	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-4	(3) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-5	(2) 1-3/4" x 16"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)

**STRUCTURAL FLOOR & DECK BEAM SCHEDULE**

MARK	SIZE	TYPE	GRADE	COMMENTS
FB-1	W 10X30	STEEL	50 KSI	
FB-2	1-3/4" X 11-7/8"	LVL	1.9E	
FB-3	W 8X40	STEEL	50 KSI	
DB-1	W 10X12	STEEL	50 KSI	
DB-2	W 12X35	STEEL	50 KSI	
DB-3	W 8X21	STEEL	50 KSI	
DB-4	C 8X11.5	STEEL	50 KSI	

**STRUCTURAL COLUMN SCHEDULE**

MARK	SIZE	TYPE	GRADE	COMMENTS
C-1	W12X22	STEEL	50 KSI	
C-2	W18X35	STEEL	50 KSI	
C-3	(3) 2x8	#2 DF	#2 DF	
C-4	HSS 4X4X1/4	STEEL	46 KSI	
C-5	W14X22	STEEL	50 KSI	

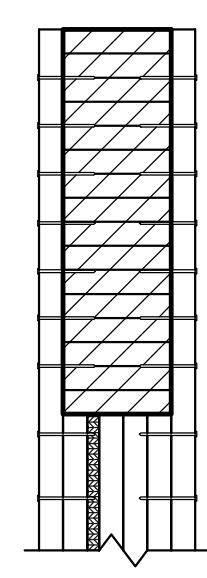
**KEY NOTES**

MARK	COMMENTS
1	(2) 16" TJI 560 @ 19.2" O.C. USE HB 7.12/16 HANGERS AS NEEDED
2	11-7/8" TJI 210 @ 16" O.C. USE ITS 2.06/11.88 HANGERS AS NEEDED
3	16" TJI 360 @ 16" O.C. USE IUS 2.37/16 HANGERS
4	2X8 #2DF @ 16" O.C. USE LUS28 HANGERS AS NEEDED
5	WARMBOARD 'S'
6	DOUBLE JOIST
7	5/8" OSB SHEATHING W/ 8d NAILS @ 4" O.C. EDGE, 12" O.C. FIELD
8	2X12 TREATED LEDGER W/ (2) 1/2"X6" EXPANSION BOLTS @ 16" O.C.
9	BLOCKING (TYP)
10	LVL RIMBOARD
11	ATTACH RB-1 TO C-2 AS PER DETAIL 3/S3.1
12	2x8 #2DF @ 24" O.C. W/ LUS26 HANGERS
13	FLOOR HATCH TO BE A MINIMUM OF 18"X24" OPENING. VERIFY W/ ARCHITECT ON LOCATION
14	BEARING ON LOWER ROOF BEAM. SEE SHEET S2.4

**COLUMN NOTES:**

- ALL COLUMNS (POSTS) SHALL STOP AT FLOOR LEVEL AND BE SOLID BLOCKED THROUGH THE FLOOR JOIST SPACE UNLESS NOTED OTHER WISE.
- ALL TRIMMERS SHALL BE NAILED TO A SINGLE KING STUD(FULL HT.), OR TO A DOUBLE KING STUD IF A SHEAR WALL HOLDOWN OR STRAP IS SPECIFIED. PROVIDE FULL BEARING COLUMN W/ TRIMMERS ON EACH SIDE OF BEAMS INTERSECTING PARALLEL TO ADJOINING FRAMING. (U.N.O.)
- ALL MULTI-STUD COLUMNS SHALL BE CONSTRUCTED WITH STUDS ORIENTED THE SAME DIRECTION AS THE WALL STUDS. INSTALL SOLID PLYWD, FILLER AS REQ'D TO FLUSH THE COLUMN SIDE WITH BEAM. ADD KING STUD EACH SIDE.
- NAIL DOUBLE-STUD COLUMNS TOGETHER W/ 10d @ 12" O.C. NAIL ALL OTHER MULTI-STUD COLUMNS TOGETHER W/ 16d @ 12" O.C. EACH MEMBER. KING STUD TO BEAM: 16d@TOP, BTM, & 3" O.C. (STAGGERED)

FRAMING COLUMN NOTES  
1" = 1'-0"



**CONSTRUCTION NOTES**

DATE  
JUNE 2015

REVISIONS

MARK	DATE	DESCRIPTION
1	6/9/2015	Revision 1

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH

PROJECT #  
14SM2068

PROJECT NAME:  
**FALCONE RESIDENCE**

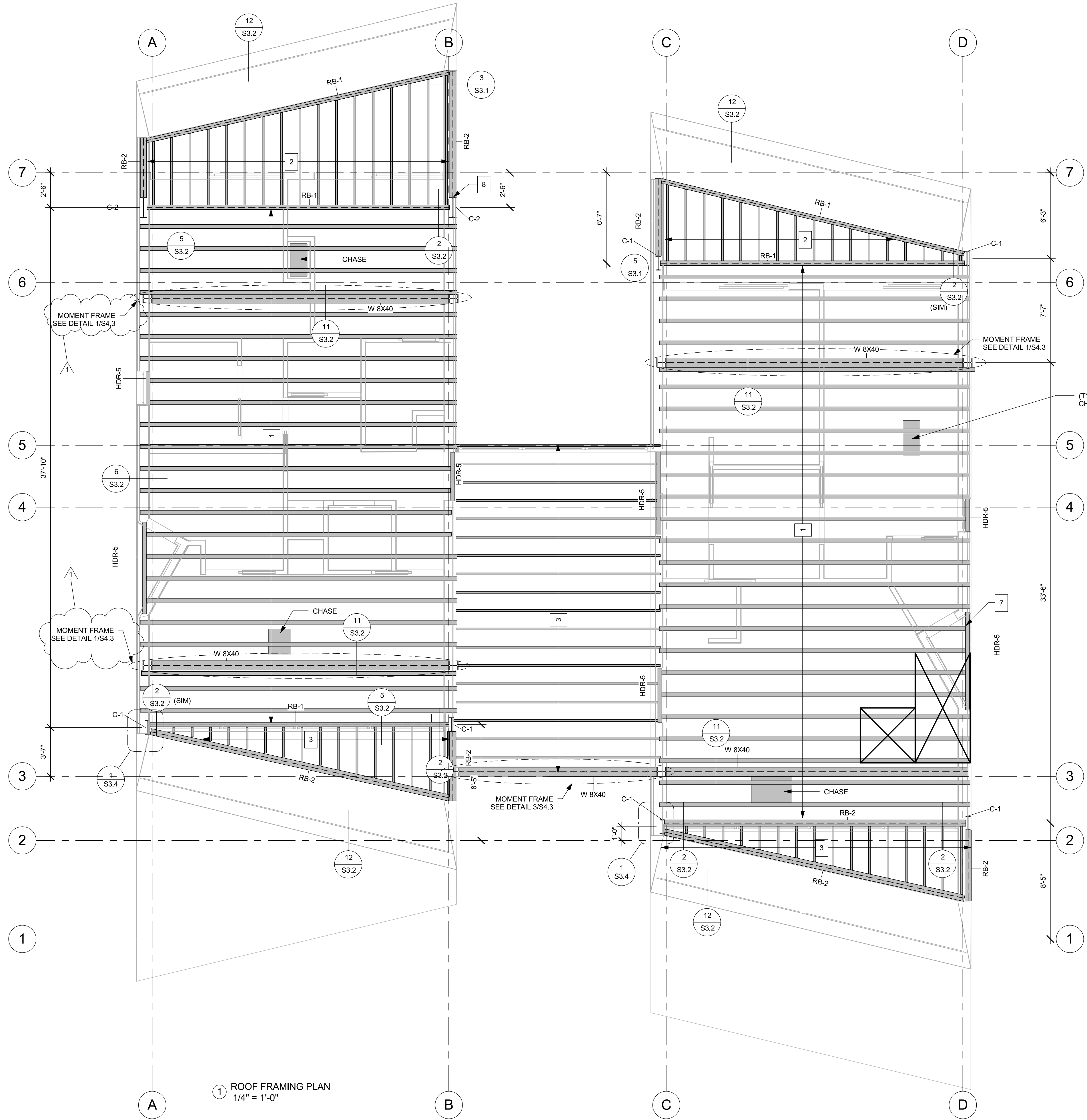
PROJECT LOCATION:  
**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

SHEET TITLE:  
**UPPER FLOOR FRAMING PLAN**

PLAN SET: PERMIT SHEET  
**S2.2**

SCALES  
As indicated

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**1 ROOF FRAMING PLAN**  
1/4" = 1'-0"

STRUCTURAL HEADER SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
HDR-1	(2) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-2	(2) 1-3/4" x 9-1/2"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-3	(2) 2x10	#2 DF	#2 DF	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-4	(3) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-5	(2) 1-3/4" x 16"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	

\* ALL HEADERS @ ROOF FRAMING LEVEL ARE FLUSH WITH THE FRAMING SEE DETAIL 4/S3.1

STRUCTURAL ROOF BEAM SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
RB-1	W 12X22	STEEL	50 KSI		
RB-2	W 16X26	STEEL	50 KSI		
RB-3	W 14X38	STEEL	50 KSI		
RB-4	W 12X26	STEEL	50 KSI		
RB-5	(2) 1-3/4" x 11-7/8"	LVL	1.9E		

STRUCTURAL COLUMN SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
C-1	W12X22	STEEL	50 KSI		
C-2	W18X35	STEEL	50 KSI		
C-3	(3) 2x8	#2 DF	#2 DF		
C-4	HSS 4X4X1/4	STEEL	46 KSI		
C-5	W14X22	STEEL	50 KSI		

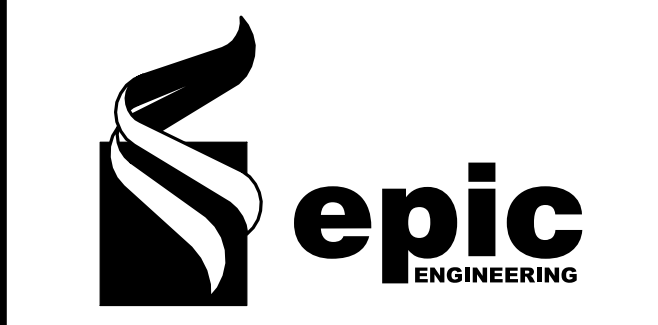
KEY NOTES	
MARK	COMMENTS
1	(2) 16" TJI 560 @ 19.2" O.C. USE HB 7.12/16 HANGERS AS NEEDED
2	11-7/8" TJI 210 @ 16" O.C. USE ITS 2.06/11.88 HANGERS AS NEEDED
3	16" TJI 360 @ 16" O.C. USE IUS 2.37/16 HANGERS
4	2X8 #2DF @ 16" O.C. USE LUS28 HANGERS AS NEEDED
5	WARMBOARD 'S'
6	DOUBLE JOIST
7	5/8" OSB SHEATHING W/ 8d NAILS @ 4" O.C. EDGE, 12" O.C. FIELD
8	2X12 TREATED LEDGER W/ (2) 1/2"X6" EXPANSION BOLTS @ 16" O.C.
9	BLOCKING (TYP)
10	LVL RIMBOARD
11	ATTACH RB-1 TO C-2 AS PER DETAIL 3/S3.1
12	2x8 #2DF @ 24" O.C. W/ LUS26 HANGERS
13	FLOOR HATCH TO BE A MINIMUM OF 18"X24" OPENING. VERIFY W/ ARCHITECT ON LOCATION
14	BEARING ON LOWER ROOF BEAM. SEE SHEET S2.4

**CONSTRUCTION NOTES**

**FRAMING NOTES:**

1. PROVIDE A MINIMUM 18 INCH CLEARANCE FOR WOOD JOISTS AND 12 INCHES CLEARANCE FOR WOOD GIRDERS IN THE CRAWLSPACE UNLESS PROPER REDWOOD OR PRESSURE TREATED WOOD IS SPECIFIED - IRC R319.1
2. ALL LUMBER IN CONTACT WITH CONCRETE OR MASONRY INCLUDING LEDGERS AND FURRING WALLS MUST BE PRESERVATIVE TREATED OR FOUNDATION GRADE REDWOOD - IRC 319
3. PROVIDE 1/2" AIRSPACE AT TOPS, SIDES AND ENDS OF GIRDERS ENTERING EXTERIOR CONCRETE OR MASONRY WALLS UNLESS WOODS RESISTANT TO DECAY ARE USED IRC R319
4. NO WOOD SHALL BE NEARER THAN 8 INCHES TO EARTH UNLESS SEPARATED BY CONCRETE AT LEAST 3 INCHES IN THICKNESS WITH AN IMPERVIOUS MEMBRANE INSTALLED BETWEEN THE EARTH AND THE CONCRETE. THIS INCLUDES DECKS AND SIDING - IRC R319
5. ACCESSIBLE BELOW-FLOOR AREAS SHALL BE PROVIDED WITH A MINIMUM 18" X 24" ACCESS OPENING. IRC R408.3. FOR ACCESS TO MECHANICAL EQUIPMENT IN THESE AREAS. SEE IRC M1305.1.4
6. PROVIDE A MINIMUM 22" X 30" ATTIC ACCESS IN A HALLWAY OR OTHER READILY ACCESSIBLE LOCATION - IRC R707. SEE M1305.1.3 FOR ACCESS TO FURNACES AND OTHER MECHANICAL EQUIPMENT IN ATTICS.
7. PROVIDE A MINIMUM OF 2 INCH THICK REDWOOD PLANKS FOR DECK IF DECK JOIST SPACING IS 16" ON CENTER OR GREATER. NOMINAL 1" THICK PLANKING SHALL NOT BE USED WHERE DECK JOISTS ARE SPACED GREATER THAN 12" ON CENTER. - IRC R501.2
8. FIRE BLOCK STUD SPACES AT SOFFITS, FLOOR AND CEILING JOIST LINES, AT 10 FT. VERTICALLY AND HORIZONTALLY, AND AT OPENINGS BETWEEN ATTIC SPACES AND CHIMNEY SPACES FOR FACTORY BUILT CHIMNEYS, AND AT ANY OTHER LOCATIONS NOT SPECIFICALLY MENTIONED WHICH COULD AFFORD PASSAGE FOR FLAMES - IRC R602.8
9. ALL HEADERS TYPICAL FOR ALL 2X4 WALLS ARE (2) 2 X 10 #2DF U.N.O.
10. ALL HEADERS TYPICAL FOR ALL 2X6 WALLS ARE (3) 2 X 10 #2DF U.N.O.

**DATE**  
JUNE 2015



REVISIONS		
MARK	DATE	DESCRIPTION
1	6/9/2015	Revision 1

DRAWN: JKC	
DESIGNER: PW	
REVIEWED: AJH	
PROJECT #	14SM2068

**SCALES**  
1/4" = 1'-0"

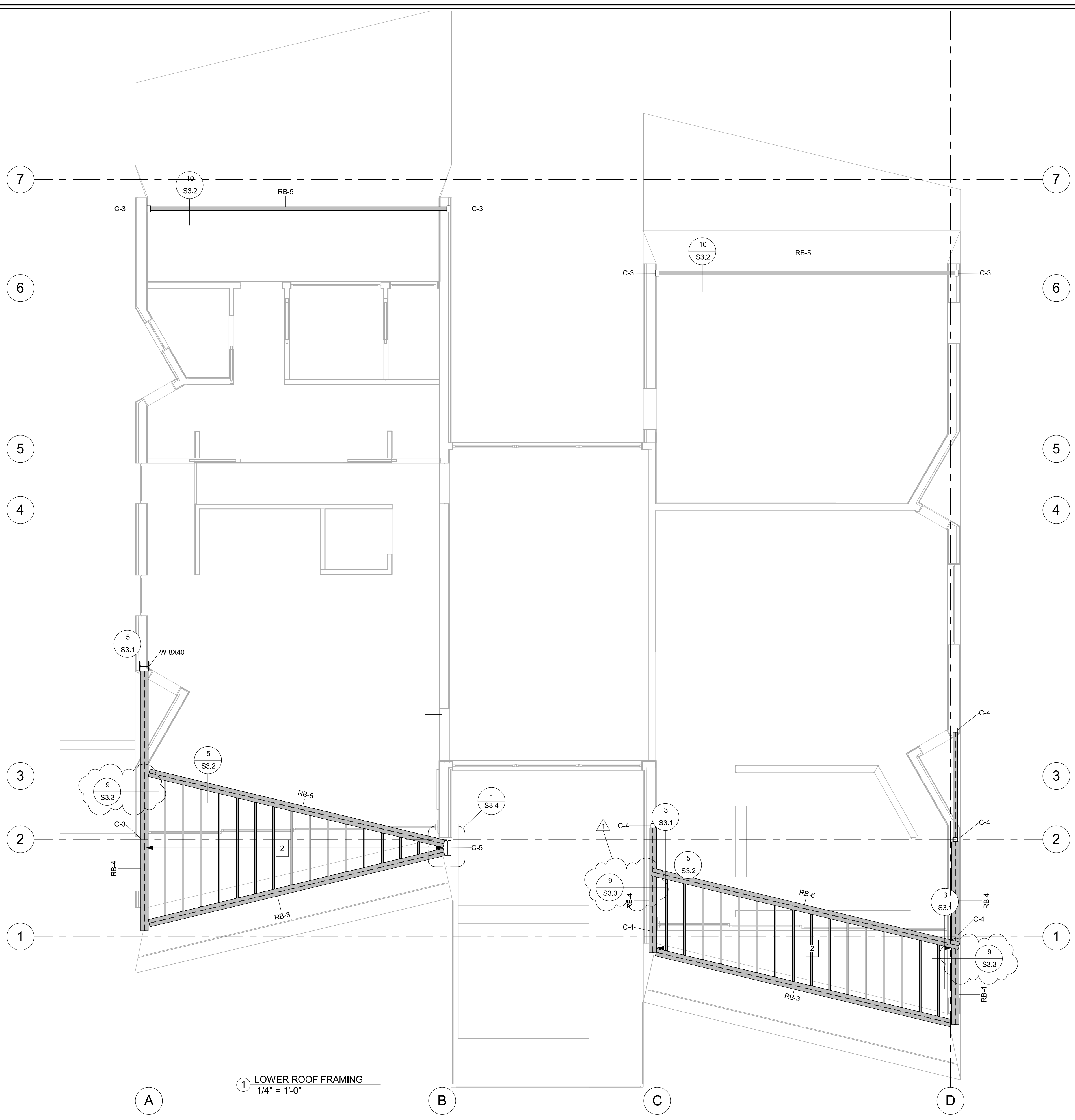
**PROJECT NAME:**  
FALCONE RESIDENCE

**PROJECT LOCATION:**  
7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT

**SHEET TITLE:**  
ROOF FRAMING PLAN

**PLAN SET:** PERMIT **SHEET S2.3**

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**STRUCTURAL HEADER SCHEDULE**

MARK	SIZE	TYPE	GRADE	COMMENTS
HDR-1	(2) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-2	(2) 1-3/4" x 9-1/2"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-3	(2) 2x10	#2 DF	#2 DF	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-4	(3) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)
HDR-5	(2) 1-3/4" x 16"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)

**STRUCTURAL ROOF BEAM SCHEDULE**

MARK	SIZE	TYPE	GRADE	COMMENTS
RB-1	W 12X22	50 KSI	A192	
RB-2	W 16X26	50 KSI	A192	
RB-3	W 12X30	50 KSI	A192	
RB-4	W 14X22	50 KSI	A192	
RB-5	(2) 1-3/4" x 11-7/8"	LVL	1.9E	
RB-6	W 14X38	50 KSI	A192	

**STRUCTURAL COLUMN SCHEDULE**

MARK	SIZE	TYPE	GRADE	COMMENTS
C-1	W12X22	STEEL	50 KSI	
C-2	W18X35	STEEL	50 KSI	
C-3	(3) 2x8	#2 DF	#2 DF	
C-4	HSS 4X4X1/4	STEEL	46 KSI	
C-5	W14X22	STEEL	50 KSI	


**KEY NOTES**

MARK	COMMENTS
1	(2) 16" TJI 560 @ 19.2" O.C. USE HB 7.12/16 HANGERS AS NEEDED
2	11-7/8" TJI 210 @ 16" O.C. USE ITS 2.06/11.88 HANGERS AS NEEDED
3	16" TJI 360 @ 16" O.C. USE IUS 2.37/16 HANGERS
4	2X8 #2DF @ 16" O.C. USE LUS28 HANGERS AS NEEDED
5	WARMBOARD 'S'
6	DOUBLE JOIST
7	5/8" OSB SHEATHING W/ 8d NAILS @ 4" O.C. EDGE, 12" O.C. FIELD
8	2X12 TREATED LEDGER W/ (2) 1/2"X6" EXPANSION BOLTS @ 16" O.C.
9	BLOCKING (TYP)
10	LVL RIMBOARD
11	ATTACH RB-1 TO C-2 AS PER DETAIL 3/S3.1
12	2x8 #2DF @ 24" O.C. W/ LUS26 HANGERS
13	FLOOR HATCH TO BE A MINIMUM OF 18"X24" OPENING. VERIFY W/ ARCHITECT ON LOCATION
14	BEARING ON LOWER ROOF BEAM. SEE SHEET S2.4

NOTE: IF GREEN ROOF SYSTEM IS USED ON LOWER ROOF FRAMING. FOUR JOISTS WILL NEED TO BE CHANGED TO 11 7/8" TJI 360 @ 16" O.C.

**CONSTRUCTION NOTES**

DATE  
JUNE 2015

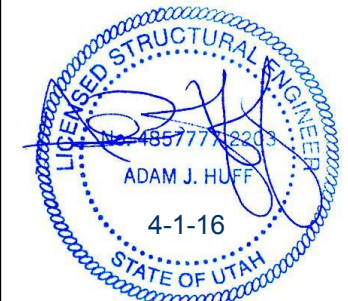


REVISIONS

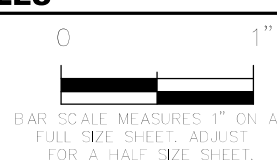
MARK	DATE	DESCRIPTION
1	6/9/2015	Revision 1

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH

PROJECT #  
14SM2068



SCALES  
1/4" = 1'-0"



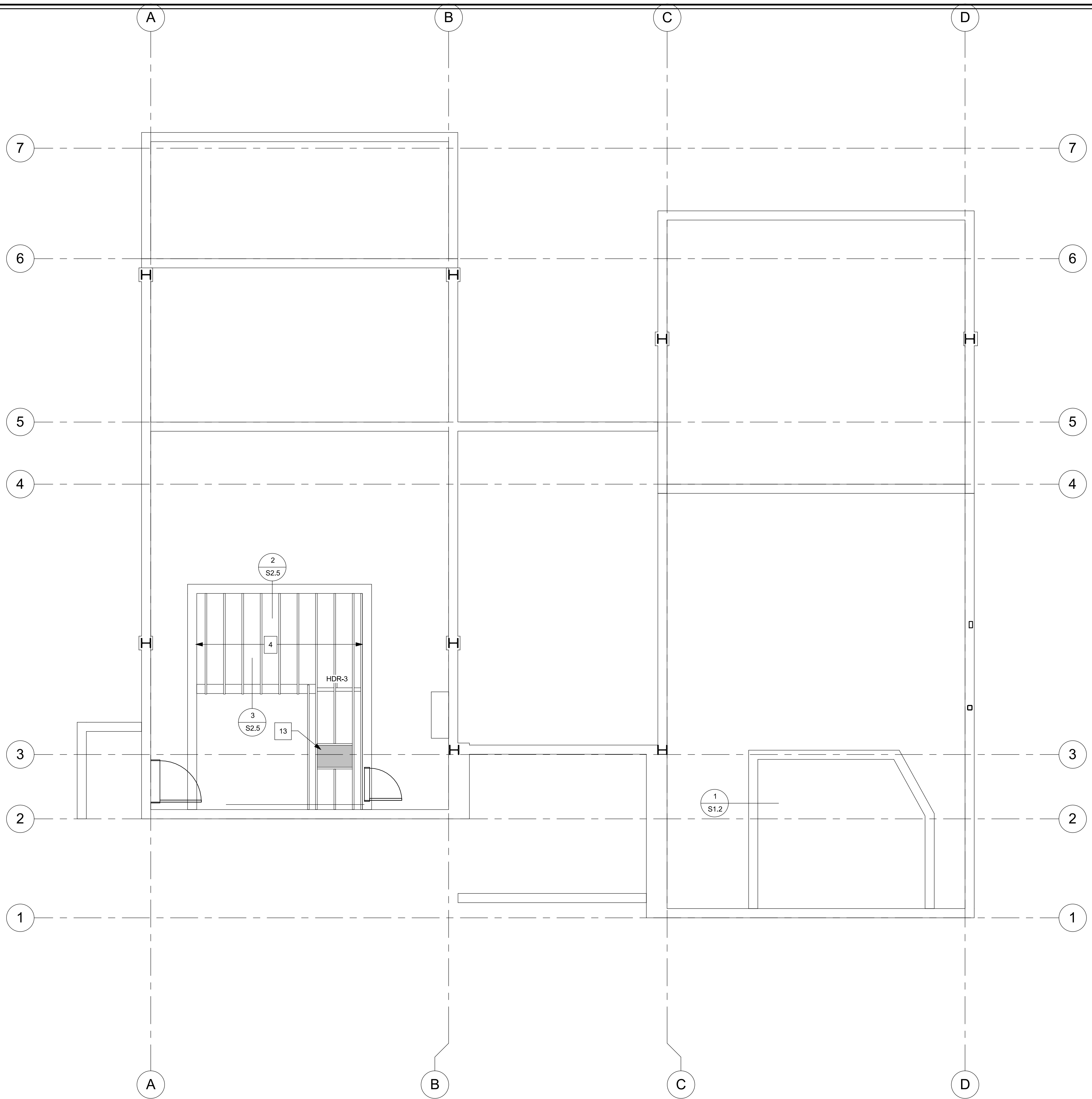
PROJECT NAME:  
**FALCONE RESIDENCE**

PROJECT LOCATION:  
**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

SHEET TITLE:  
**LOWER ROOF FRAMING PLAN**

PLAN SET: PERMIT SHEET  
**S2.4**

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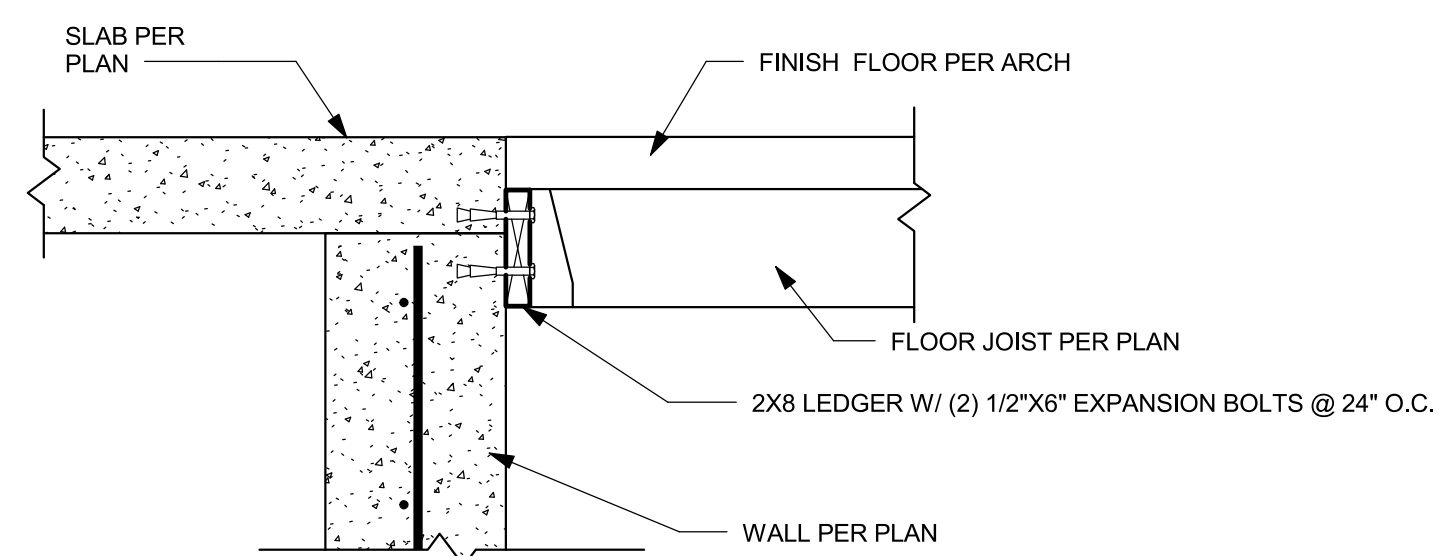


STRUCTURAL HEADER SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
HDR-1	(2) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-2	(2) 1-3/4" x 9-1/2"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-3	(2) 2x10	#2 DF	#2 DF	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-4	(3) 1-3/4" x 11-7/8"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	
HDR-5	(2) 1-3/4" x 16"	LVL	1.9E	(2) 2X6 #2DF TRIMMERS (TYP)	

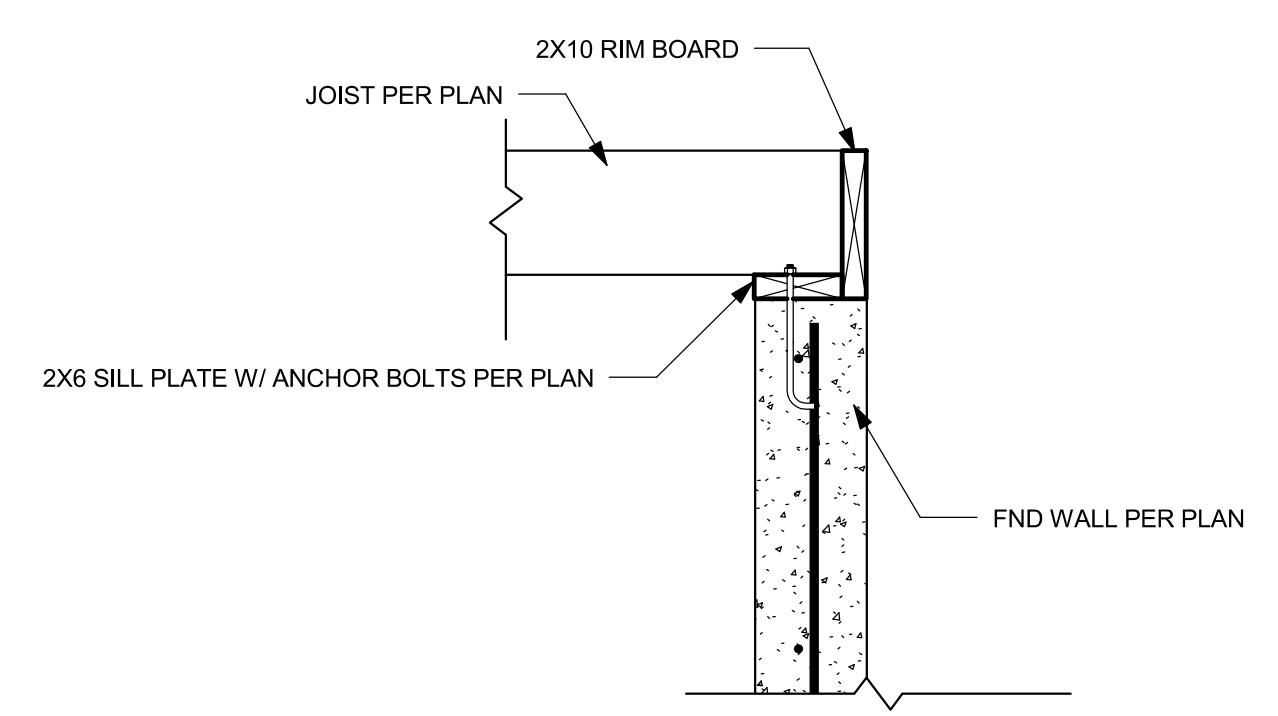
STRUCTURAL FLOOR & DECK BEAM SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
FB-1	W 10X30	50 KSI	A992		
FB-2	1-3/4" X 11-7/8"	LVL	1.9E		
DB-1	W 10X12	50 KSI	A992		
DB-2	W 12X35	50 KSI	A992		
DB-3	W 8X21	50 KSI	A992		
DB-4	C 8X11.5	50 KSI	A992		

STRUCTURAL COLUMN SCHEDULE					
MARK	SIZE	TYPE	GRADE	COMMENTS	
C-1	W12X22	STEEL	50 KSI		
C-2	W18X35	STEEL	50 KSI		
C-3	(3) 2x8	#2 DF	#2 DF		
C-4	HSS 4X4X1/4	STEEL	46 KSI		
C-5	W14X22	STEEL	50 KSI		

KEY NOTES	
MARK	COMMENTS
1	(2) 16" TJI 560 @ 19.2" O.C. USE HB 7.12/16 HANGERS AS NEEDED
2	11-7/8" TJI 210 @ 16" O.C. USE ITS 2.06/11.88 HANGERS AS NEEDED
3	16" TJI 360 @ 16" O.C. USE IUS 2.37/16 HANGERS
4	2X8 #2DF @ 16" O.C. USE LUS28 HANGERS AS NEEDED
5	WARMBOARD 'S'
6	DOUBLE JOIST
7	5/8" OSB SHEATHING W/ 8d NAILS @ 4" O.C. EDGE, 12" O.C. FIELD
8	2X12 TREATED LEDGER W/ (2) 1/2"X6" EXPANSION BOLTS @ 16" O.C.
9	BLOCKING (TYP)
10	LVL RIMBOARD
11	ATTACH RB-1 TO C-2 AS PER DETAIL 3/S3.1
12	2x8 #2DF @ 24" O.C. W/ LUS26 HANGERS
13	FLOOR HATCH TO BE A MINIMUM OF 18"X24" OPENING. VERIFY W/ ARCHITECT ON LOCATION
14	BEARING ON LOWER ROOF BEAM. SEE SHEET S2.4



2 BASEMENT FLOOR TO WALL  
1" = 1'-0"

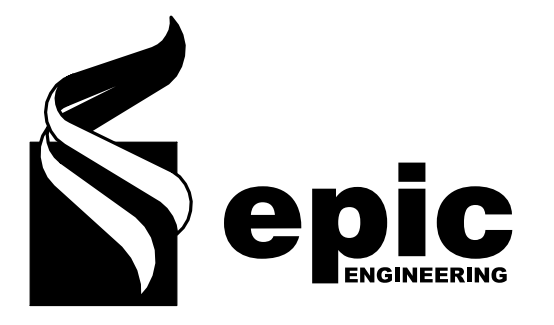


3 BASEMENT FLOOR TO WALL 2  
1" = 1'-0"

1 BASEMENT FRAMING  
1/4" = 1'-0"

**CONSTRUCTION NOTES**

DATE
JUNE 2015



REVISIONS		
MARK	DATE	DESCRIPTION

DRAWN: JKC	
DESIGNER: PW	
REVIEWED: AJH	
PROJECT #	14SM2068

SCALES	
As Indicated	

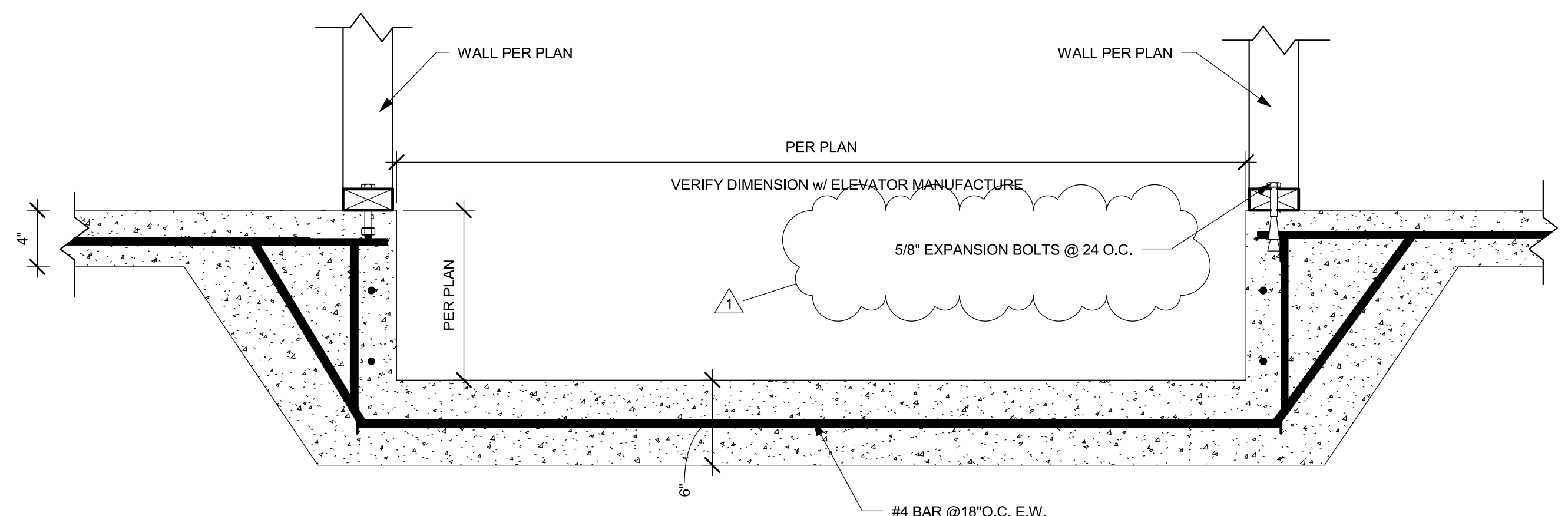
**PROJECT NAME:**  
FALCONE RESIDENCE

**PROJECT LOCATION:**  
7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT

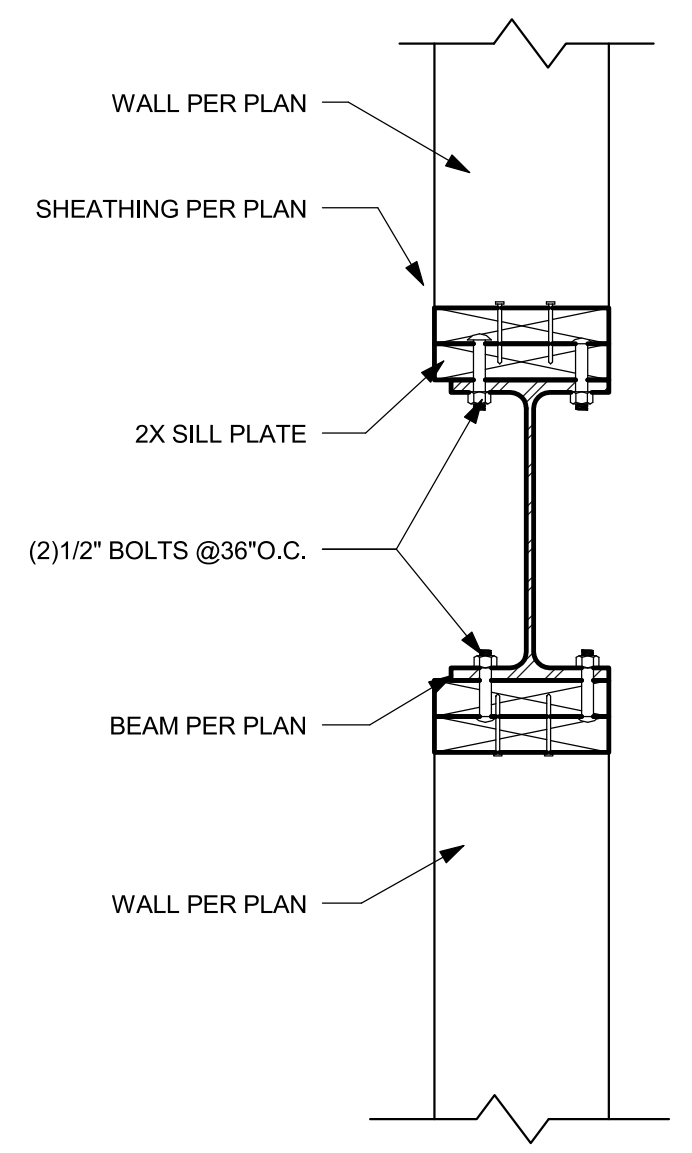
**SHEET TITLE:**  
BASEMENT FRAMING @  
HOT TUB PIT

<b>PLAN SET:</b>	<b>SHEET</b>
PERMIT	S2.5

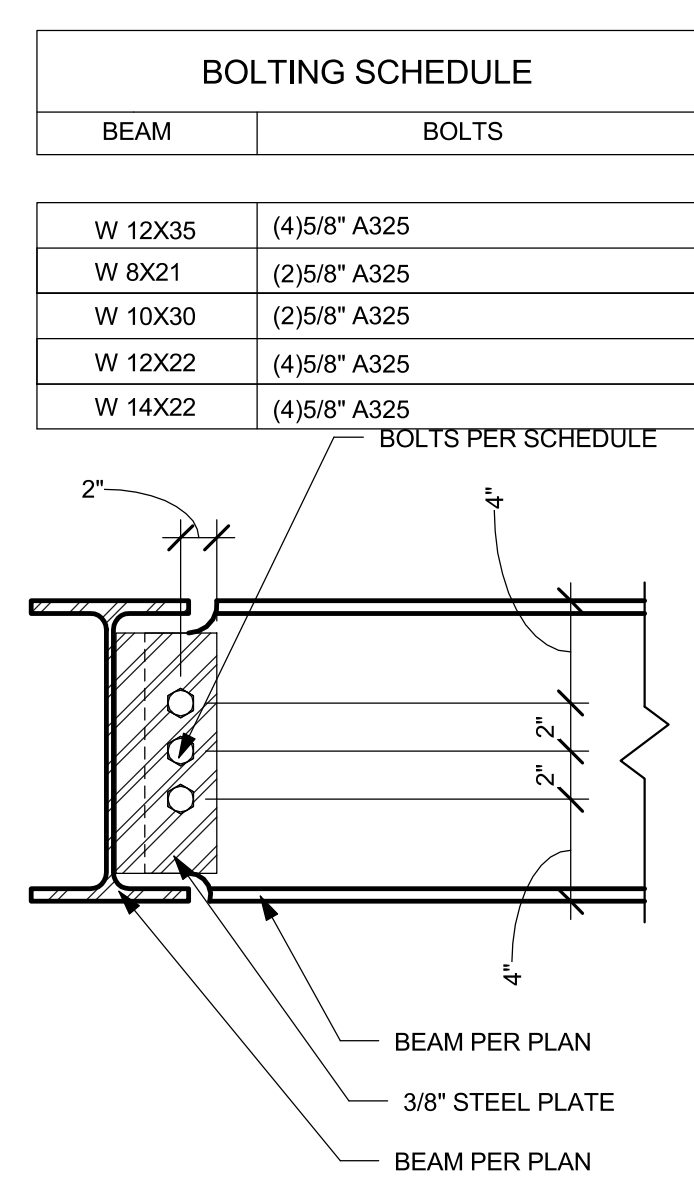




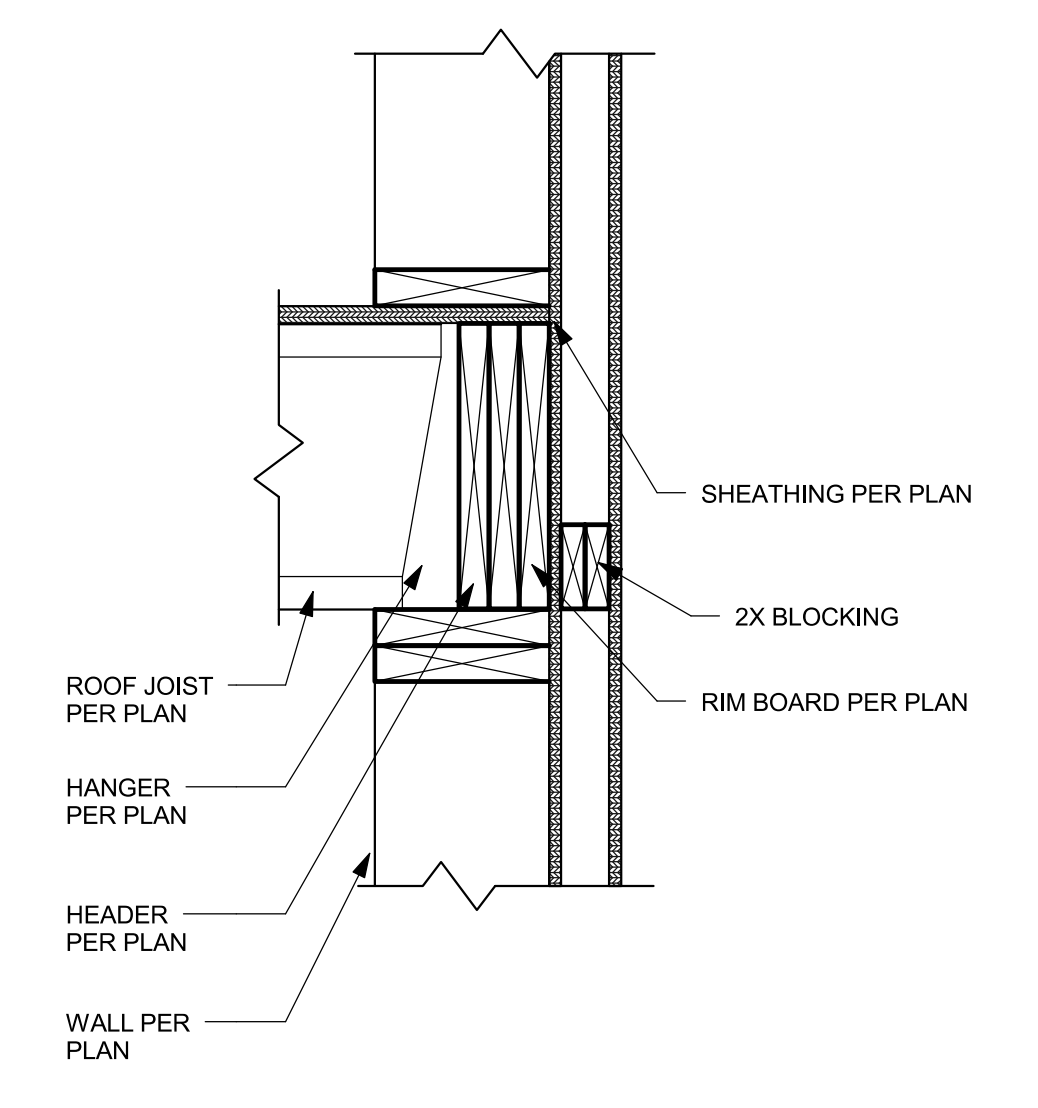
1 S. ELEVATOR PIT  
1 1/2" = 1'-0"



2 STEEL BEAM IN WALL  
1 1/2" = 1'-0"

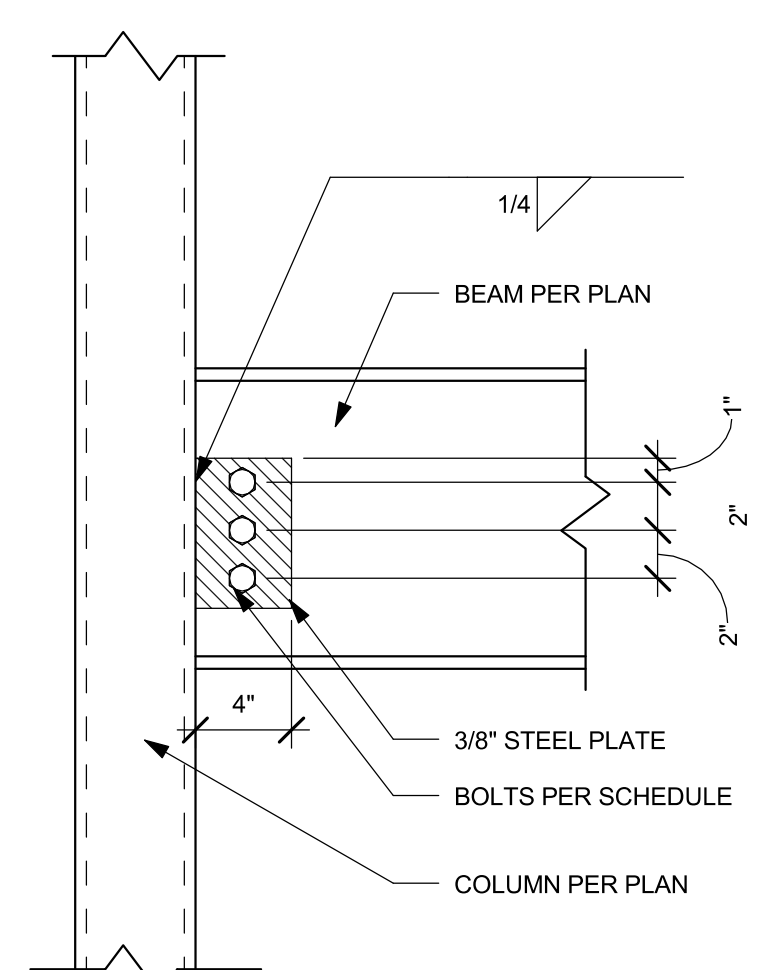


3 STEEL BEAM TO BEAM  
1 1/2" = 1'-0"



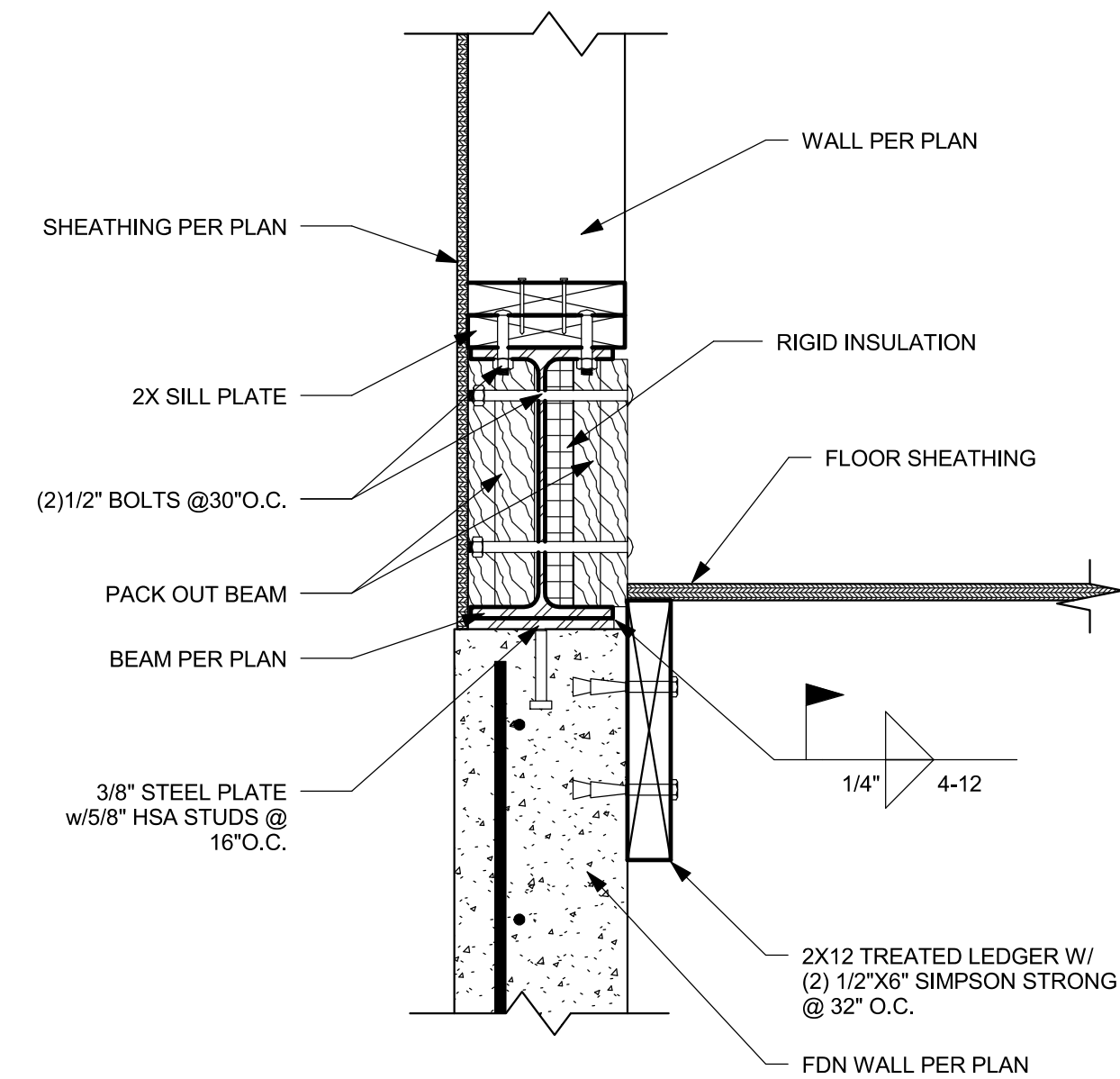
4 ROOF JOIST TO HEADER  
1 1/2" = 1'-0"

BOLTING SCHEDULE	
BEAM	BOLTS
W 12X35	(4) 5/8" A325
W 8X21	(2) 5/8" A325
W 10X30	(2) 5/8" A325
W 12X22	(4) 5/8" A325
W 14X22	(4) 5/8" A325

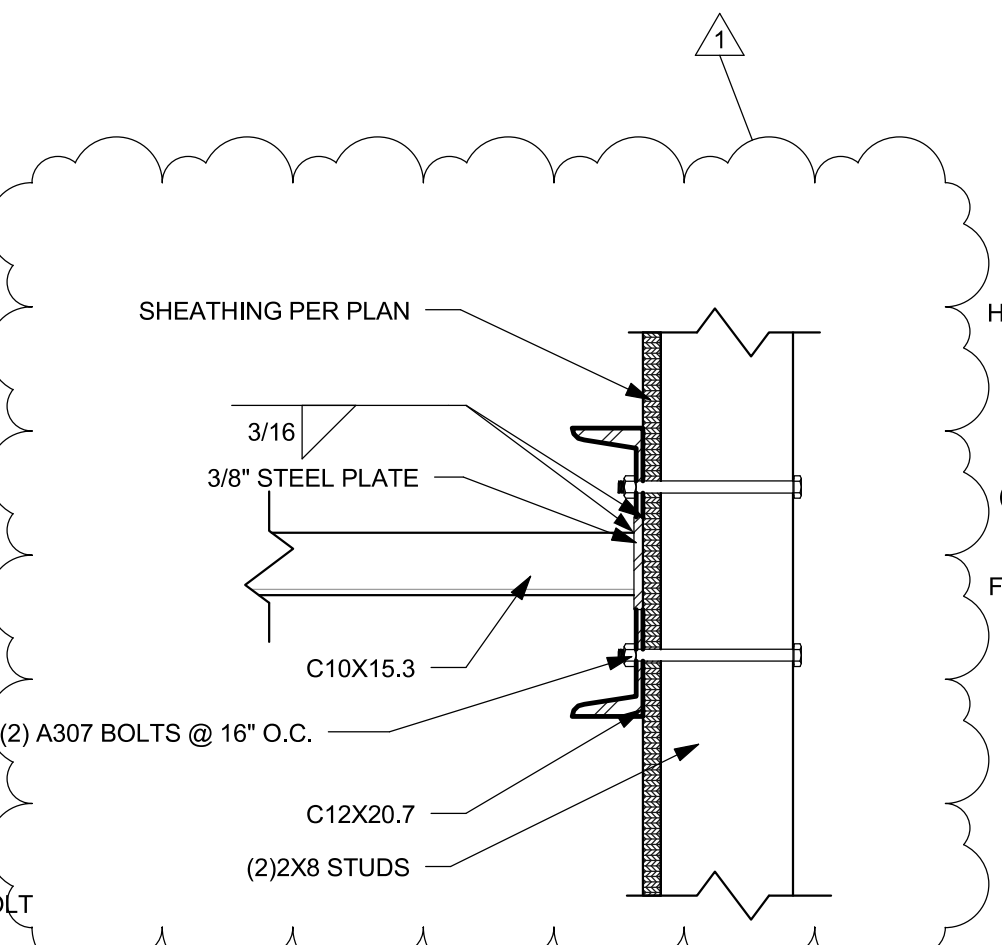


BOLTING SCHEDULE	
BEAM	BOLTS
W 12X35	(4) 5/8" A325
W 8X21	(2) 5/8" A325
W 10X30	(2) 5/8" A325
W 12X22	(4) 5/8" A325
W 14X22	(4) 5/8" A325

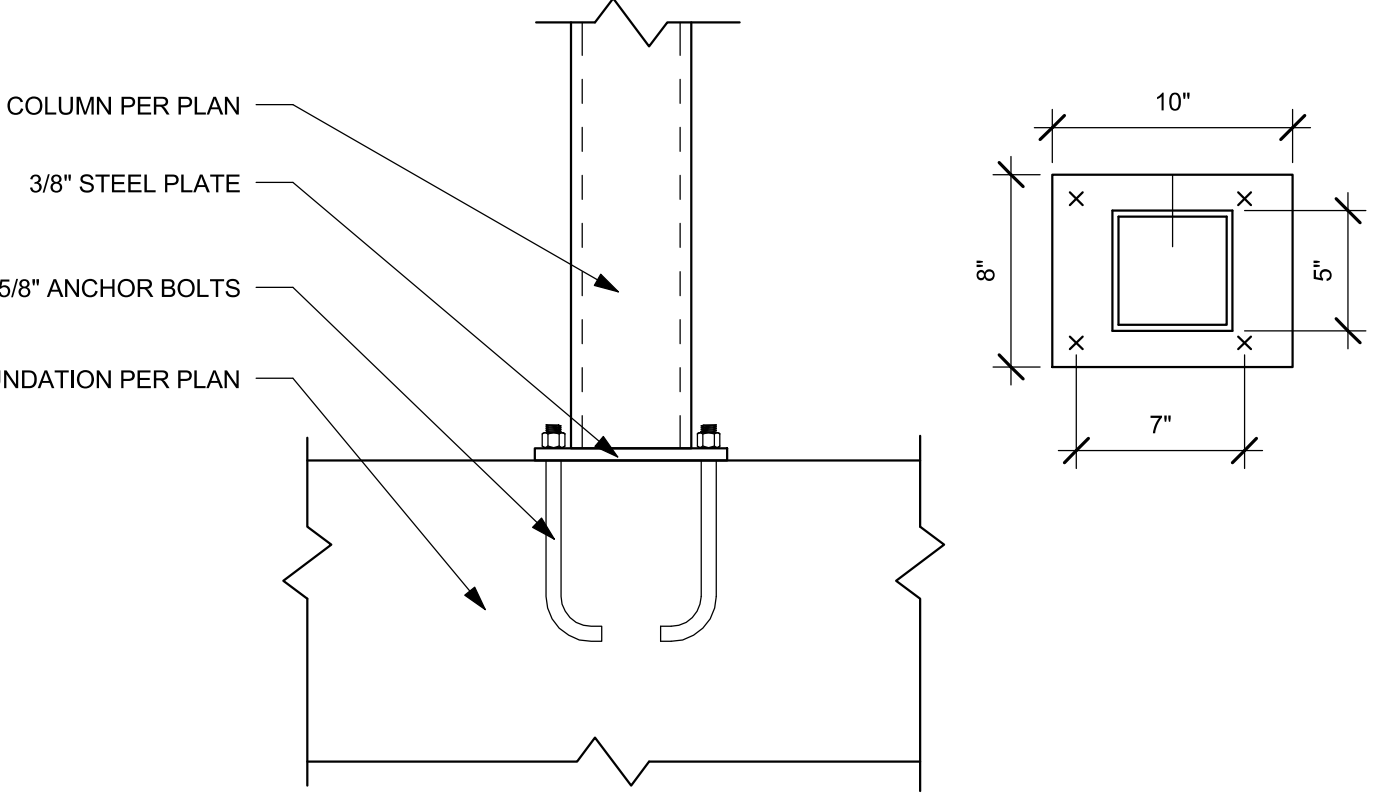
5 STEEL BEAM TO COLUMN  
1 1/2" = 1'-0"



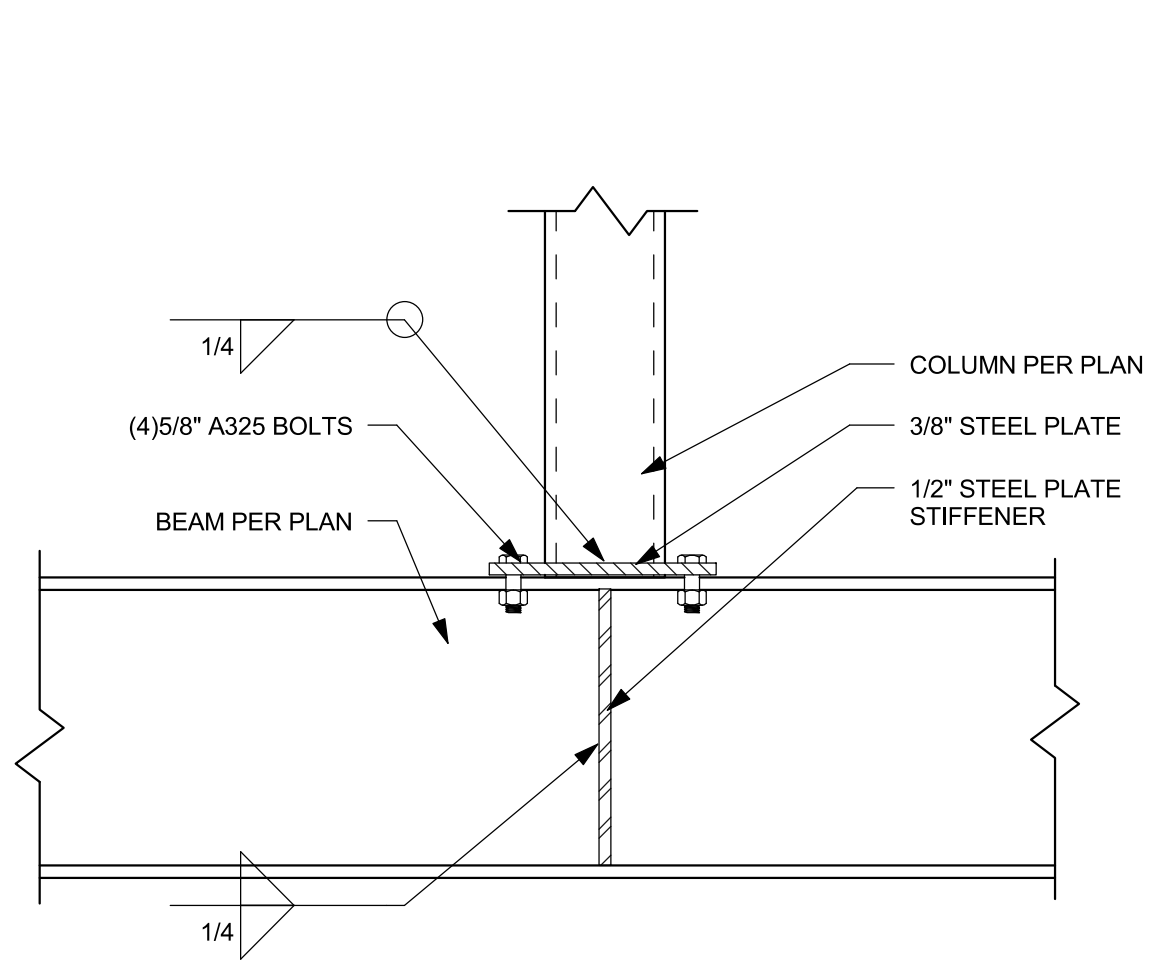
6 STEEL BEAM TO FDN WALL  
1 1/2" = 1'-0"



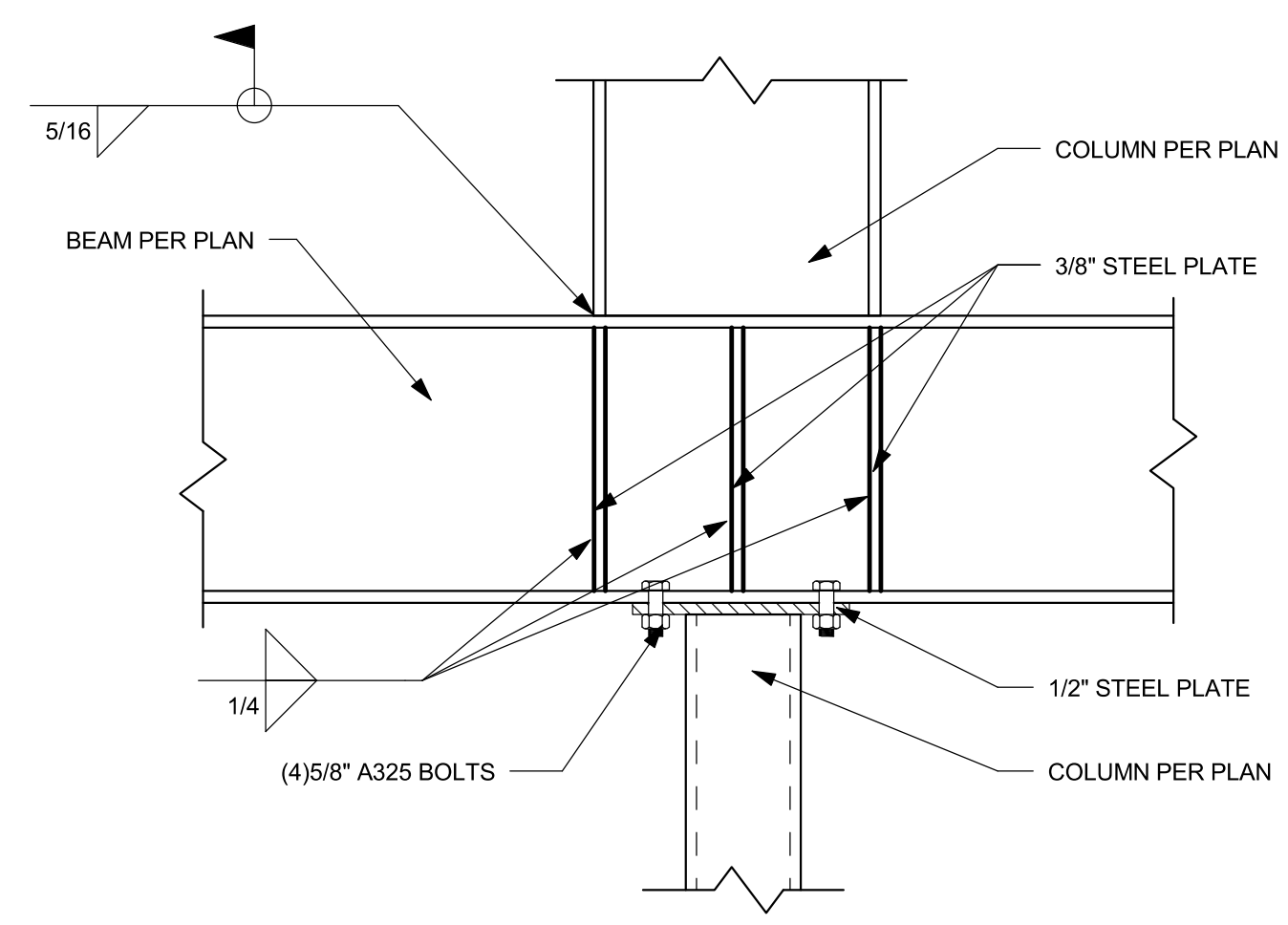
7 STEEL C-CHANNEL CONNECTION @ STAIRS  
1 1/2" = 1'-0"



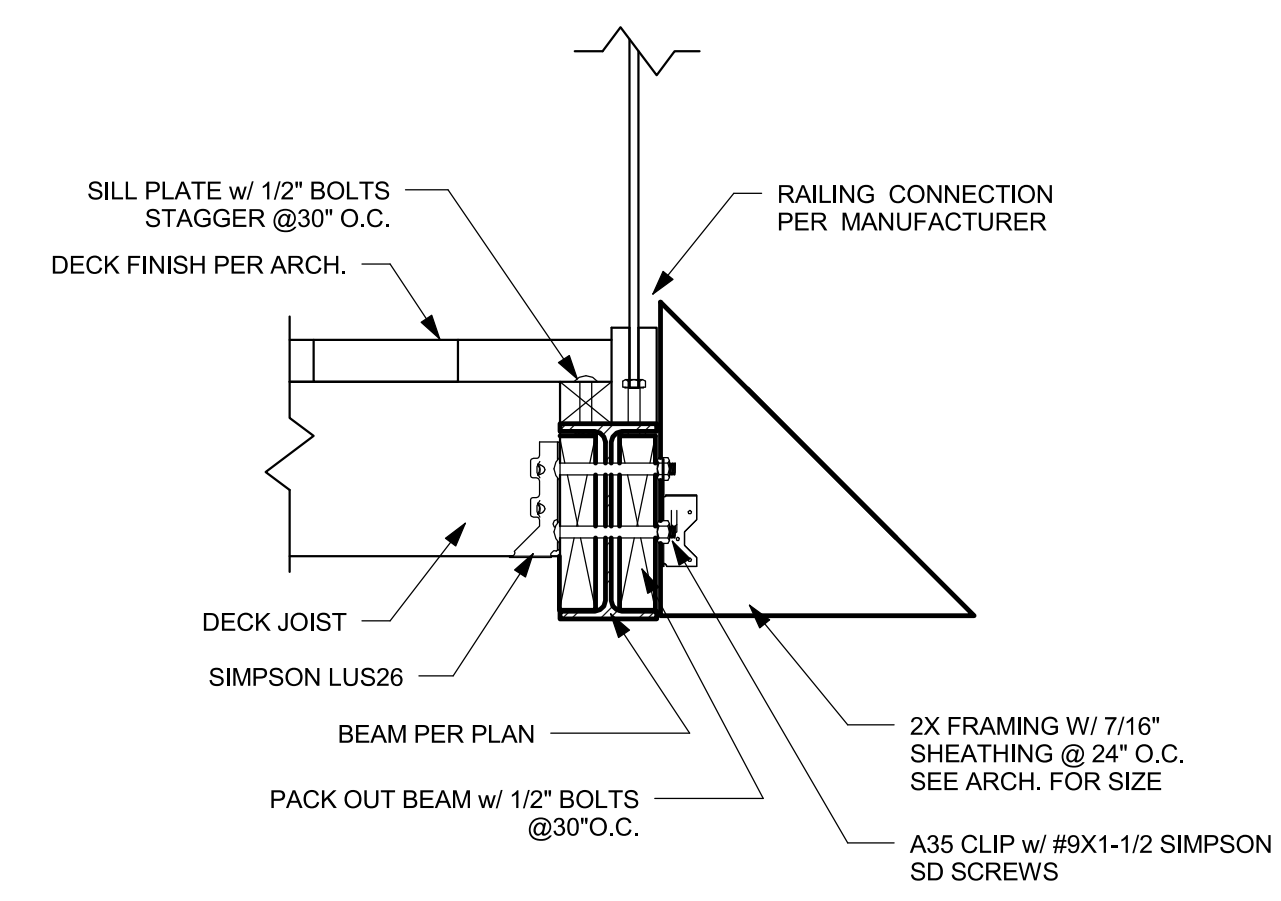
8 STEEL COLUMN DETAIL  
1 1/2" = 1'-0"



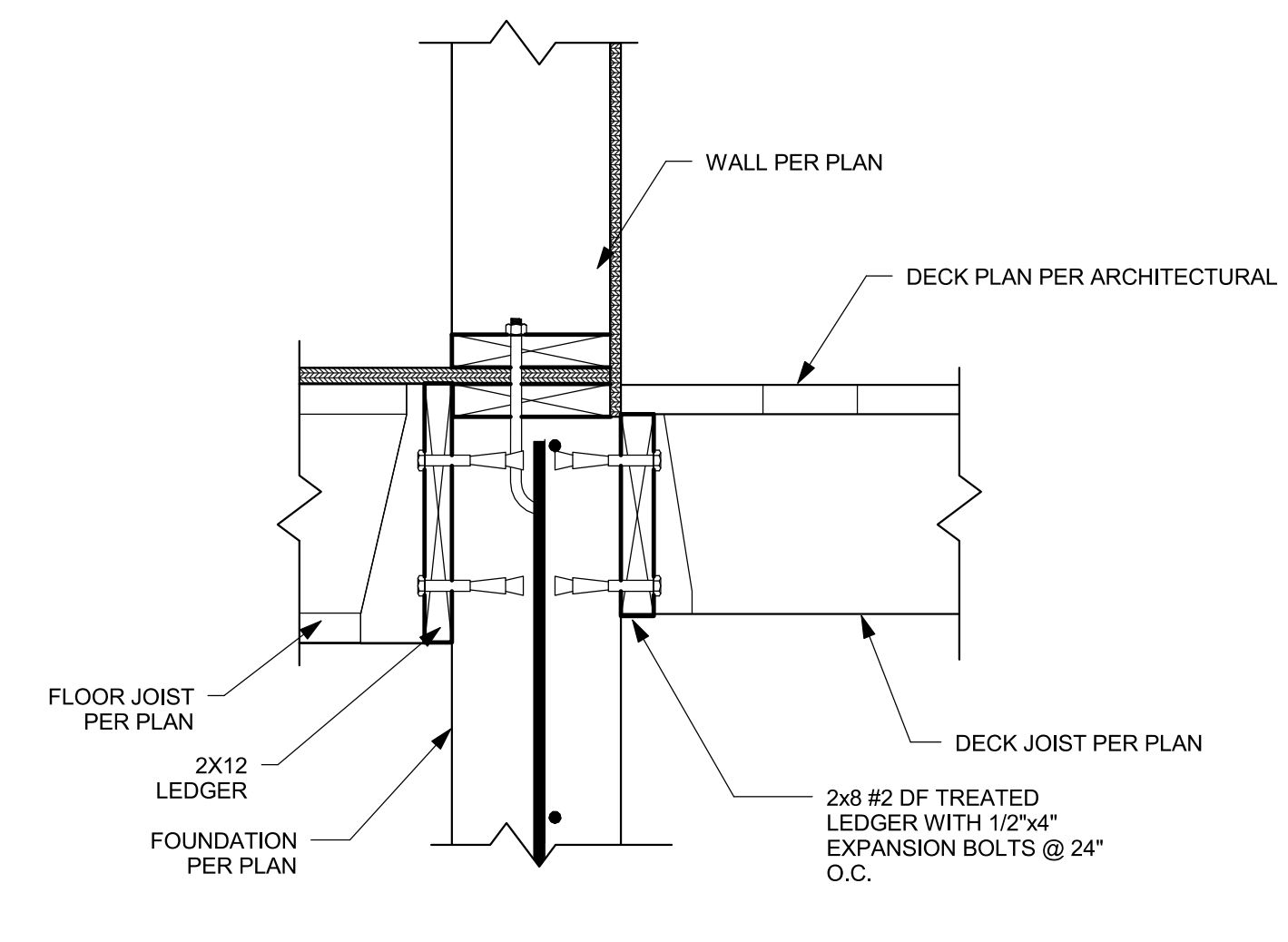
9 STEEL COLUMN TO BEAM  
1 1/2" = 1'-0"



10 STEEL COLUMN-BEAM-COLUMN  
1 1/2" = 1'-0"



11 STEEL DECK END DETAIL  
1 1/2" = 1'-0"

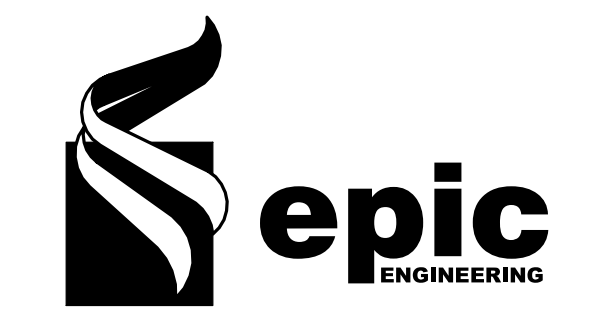


12 STEEL DECK TO MAIN FLOOR  
1 1/2" = 1'-0"

CONSTRUCTION NOTES

DATE

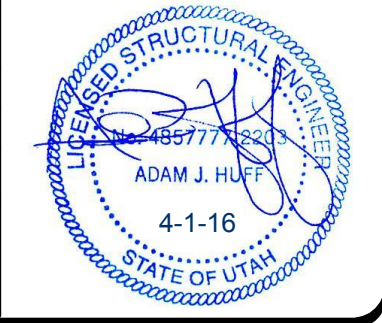
JUNE 2015



REVISIONS

MARK	DATE	DESCRIPTION
1	6/9/2015	Revision 1

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH



PROJECT #  
14SM2068

SCALES



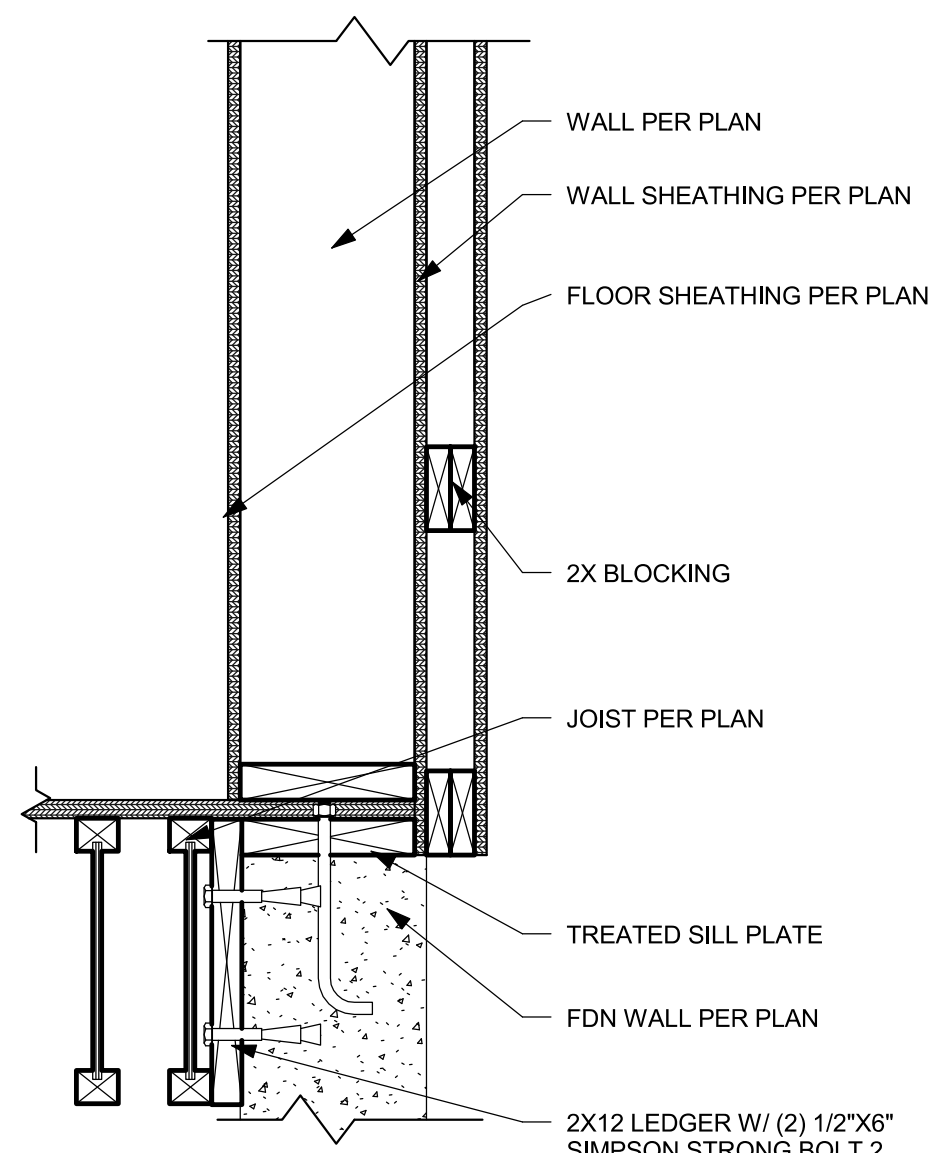
PROJECT NAME:  
**FALCONE RESIDENCE**

PROJECT LOCATION:  
**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

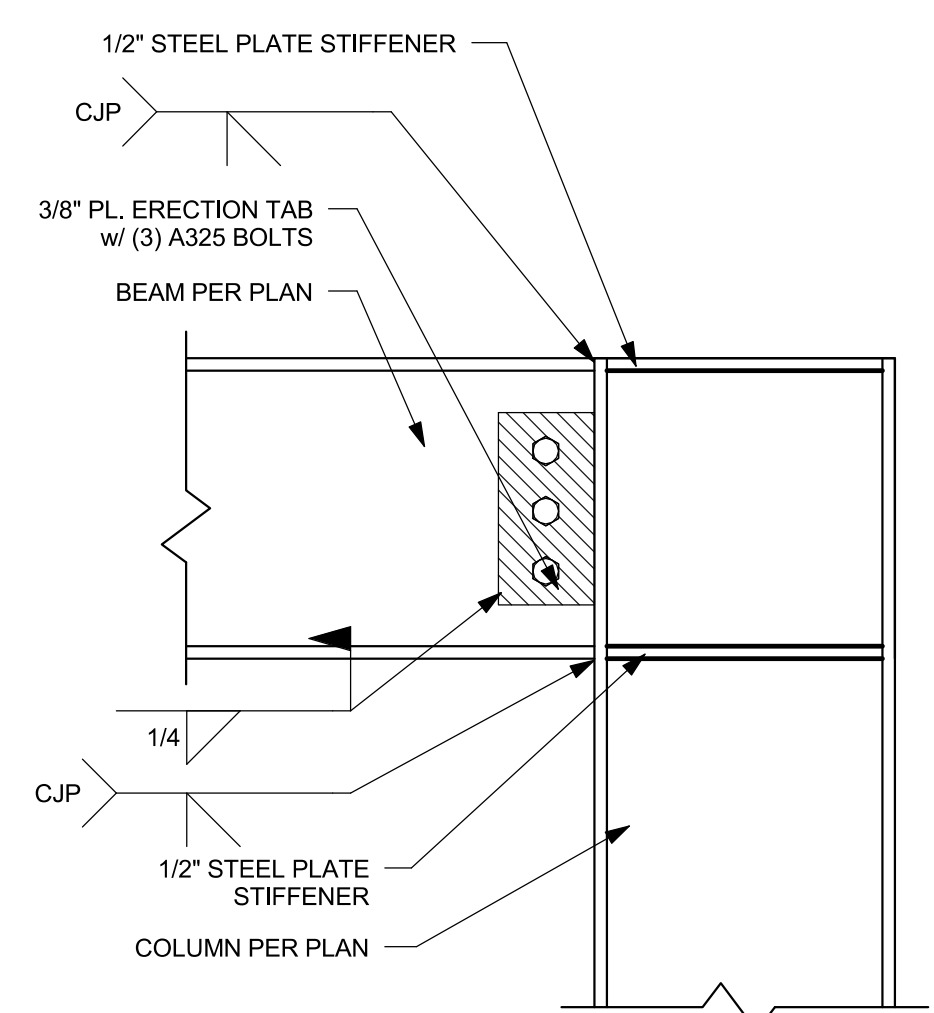
SHEET TITLE:  
**STRUCTURAL DETAILS**

PLAN SET: PERMIT SHEET  
**S3.1**

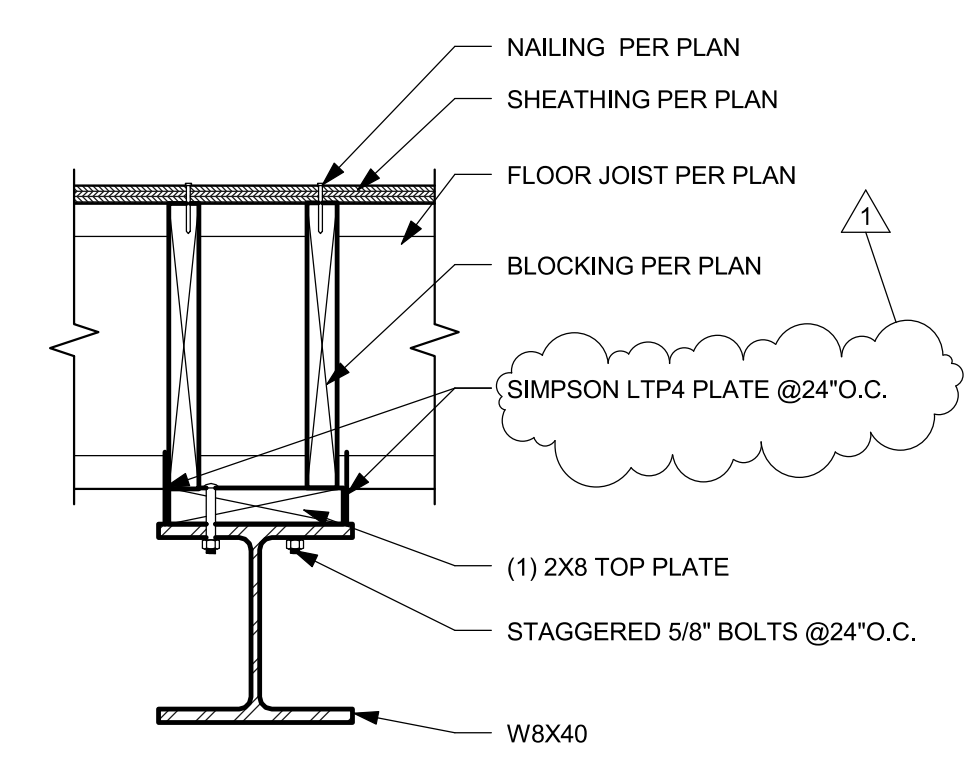
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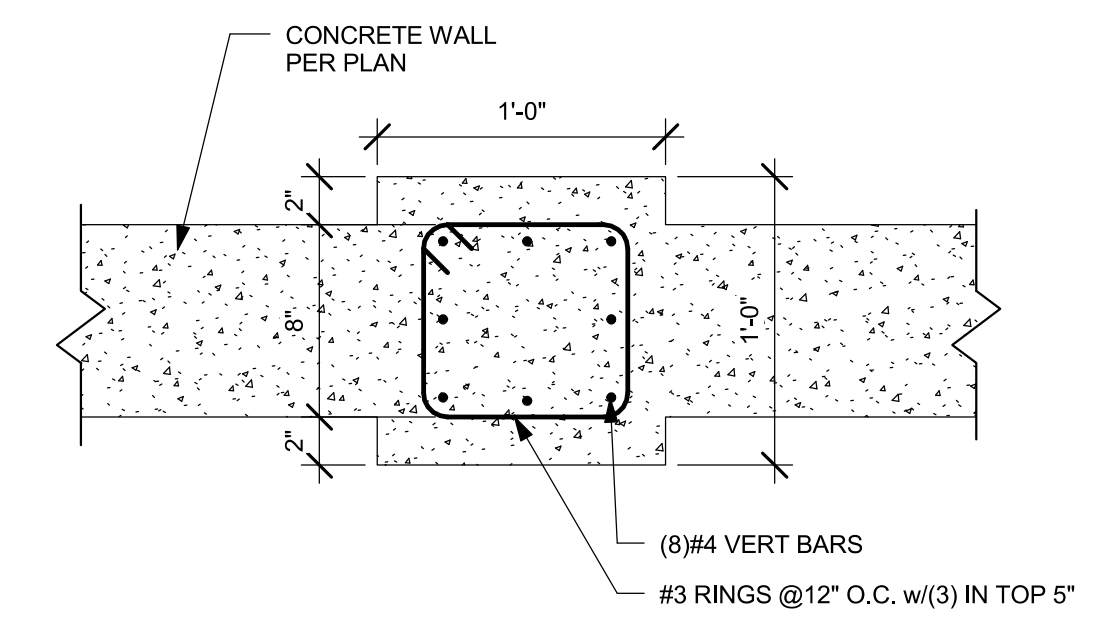
1 MAIN FLOOR TO WALL  
1 1/2" = 1'-0"



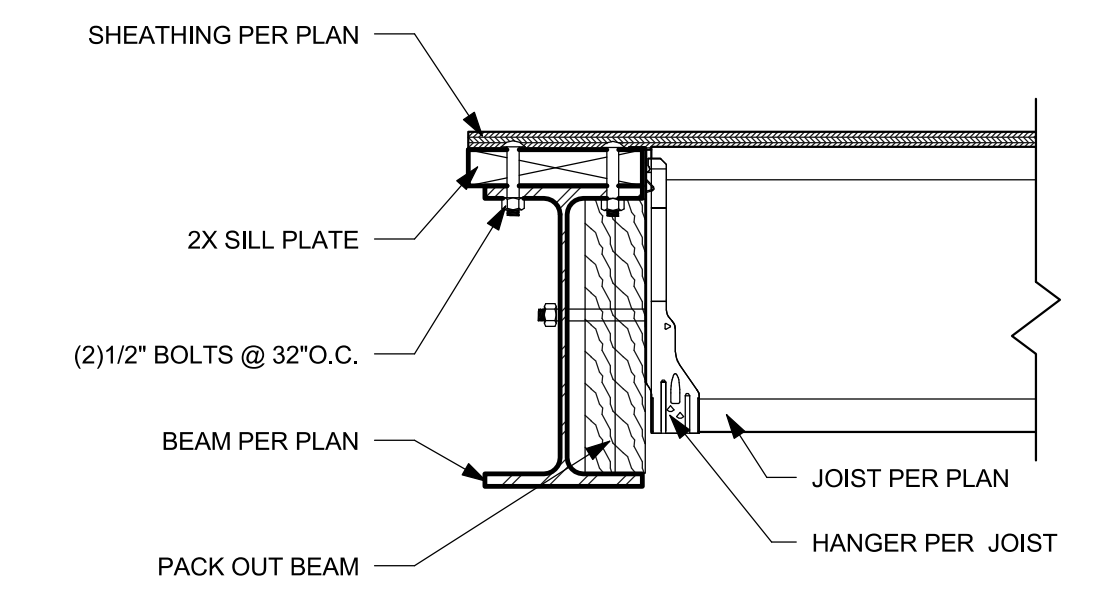
2 STEEL ROOF-ROOF MOMENT CONNECTION  
1 1/2" = 1'-0"



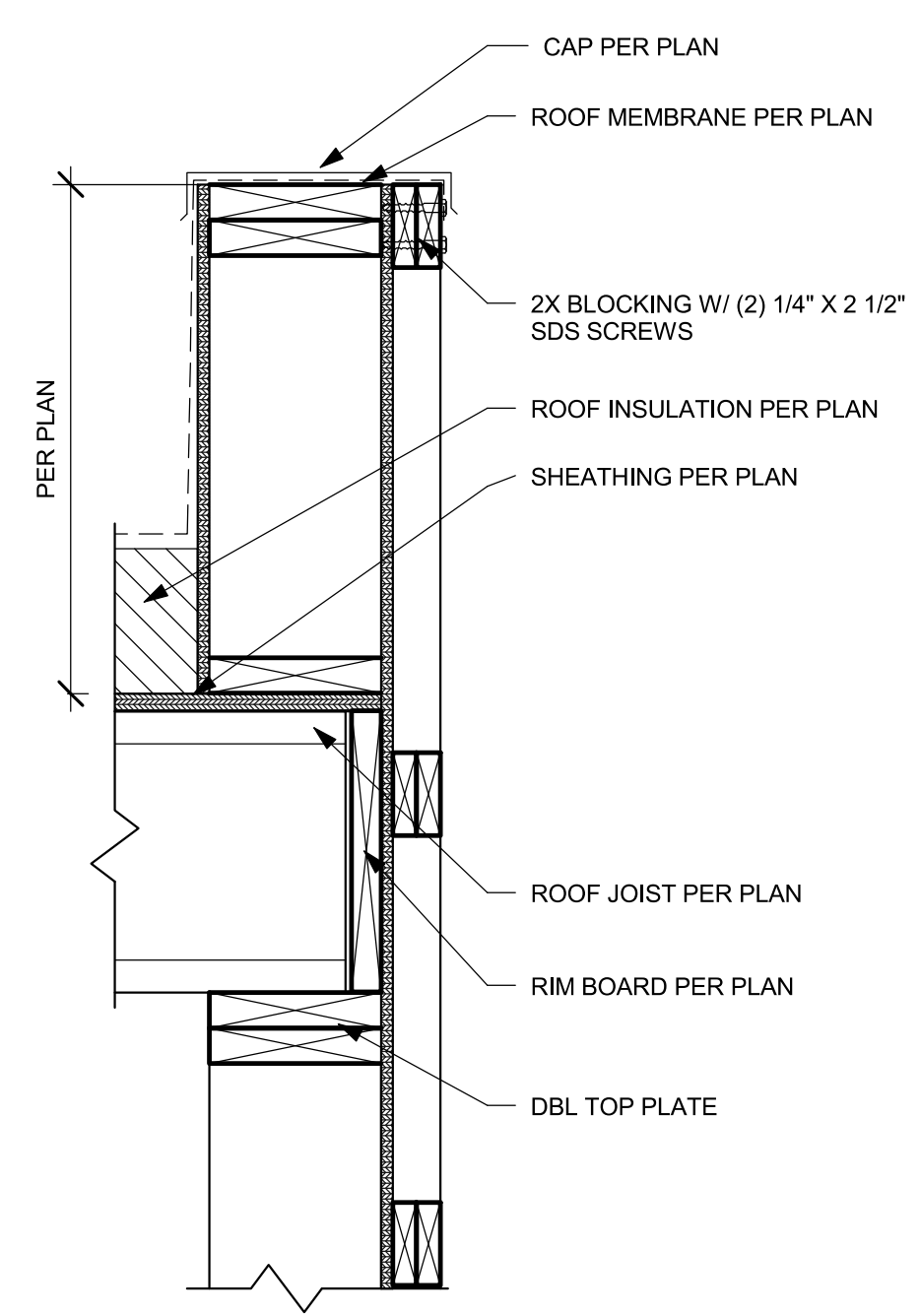
3 STEEL MF BEAM TO DIAPHRAGM 2  
1 1/2" = 1'-0"



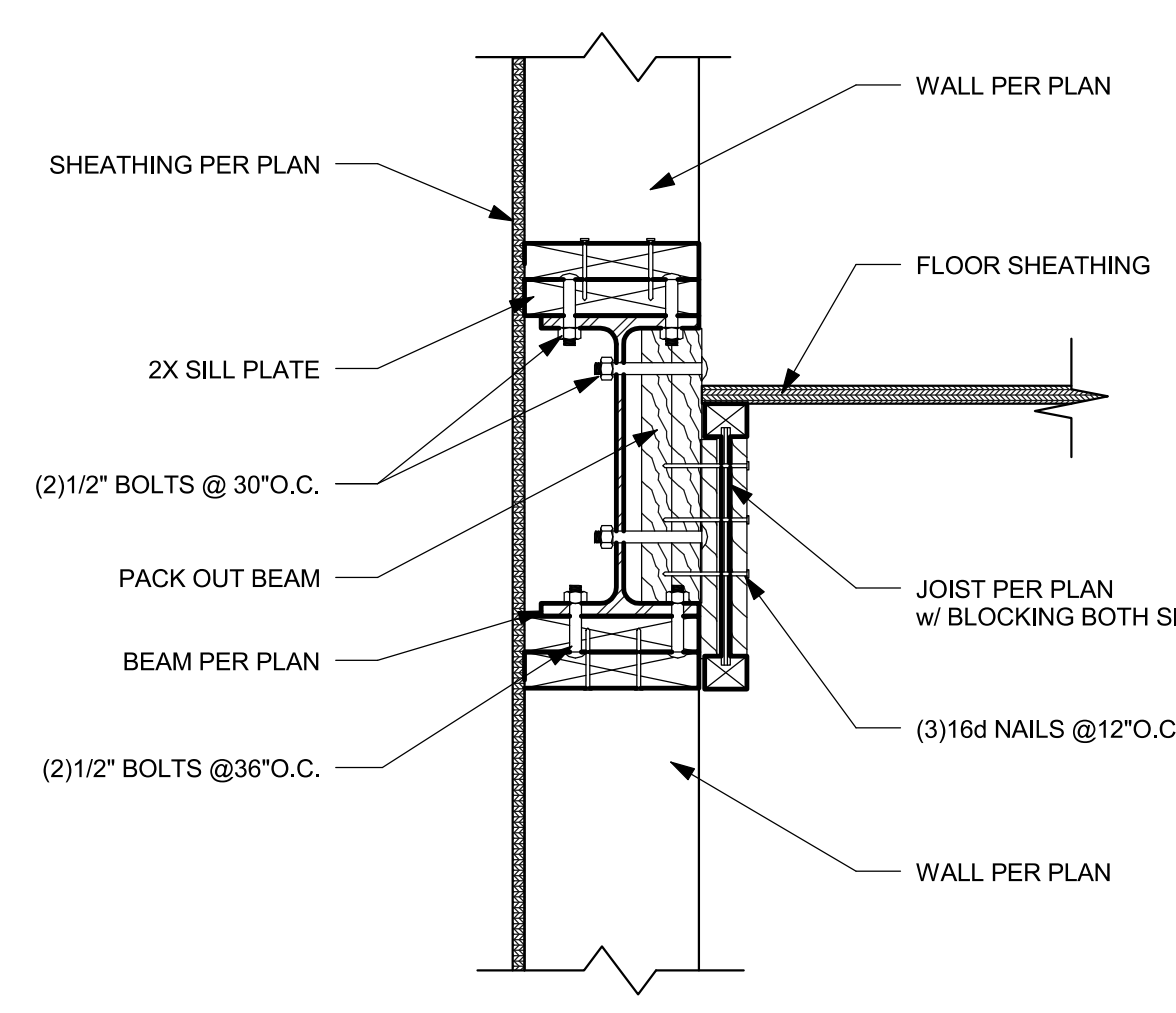
4 PIER 1  
1 1/2" = 1'-0"



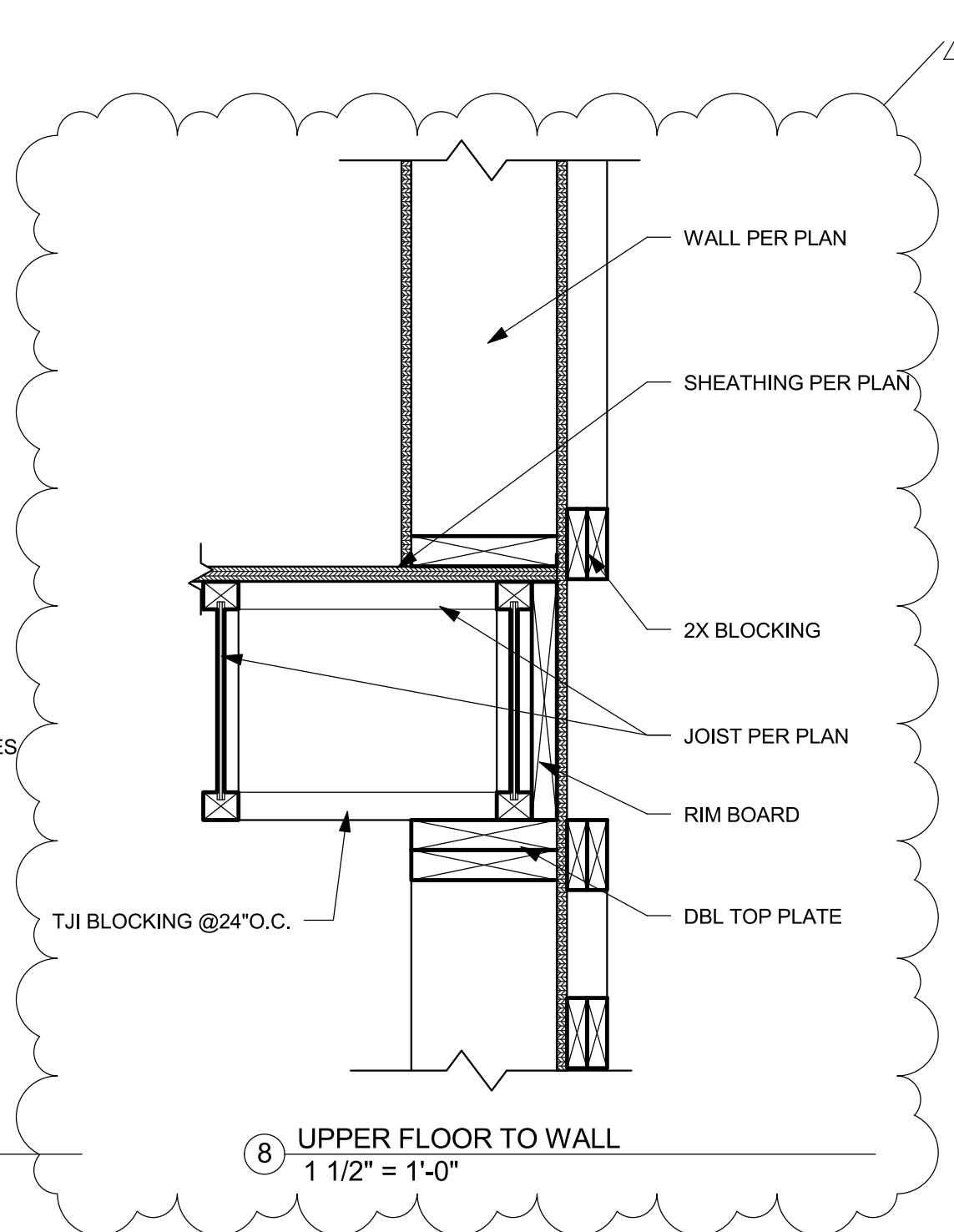
5 STEEL ROOF JOIST TO BEAM  
1 1/2" = 1'-0"



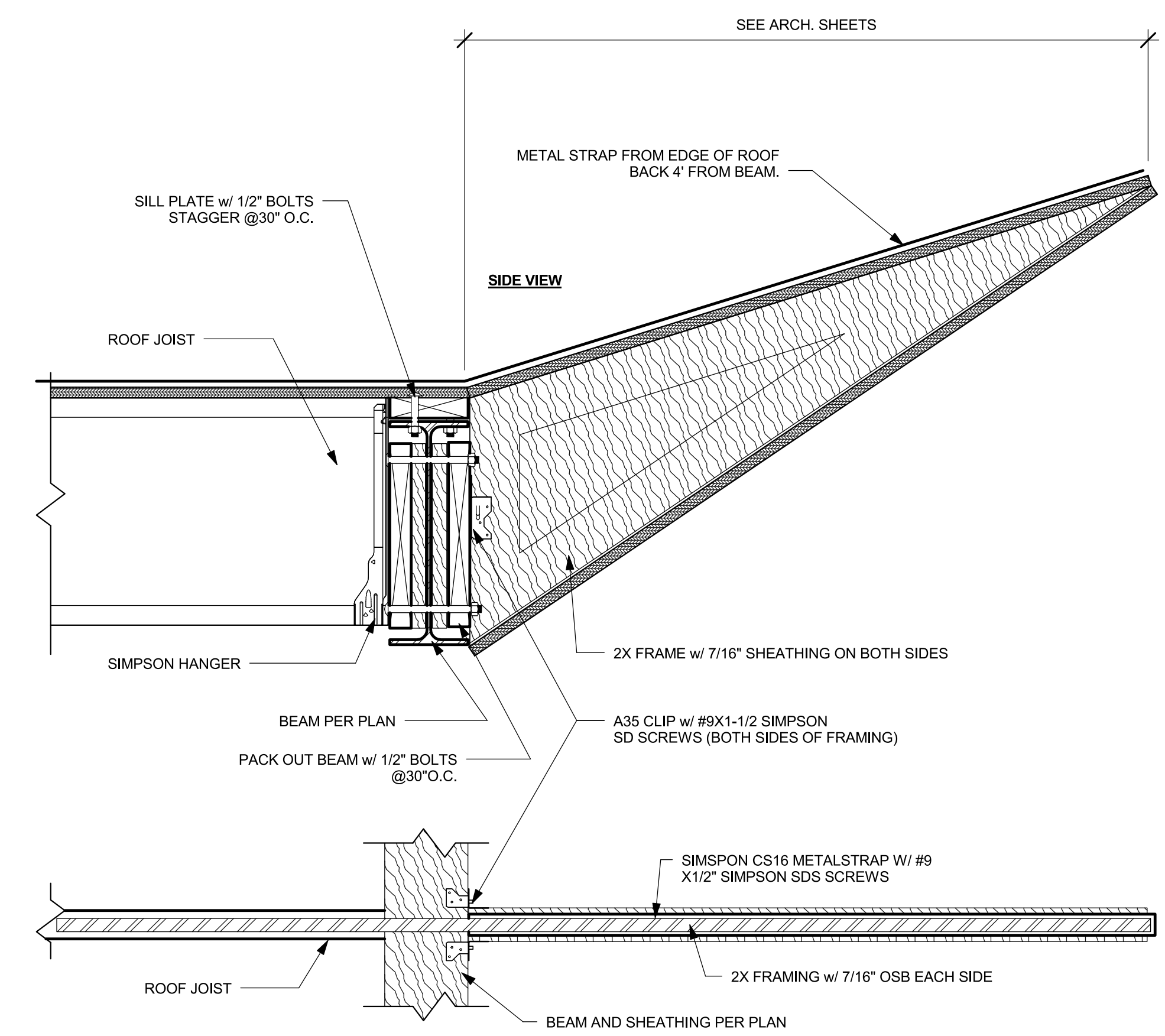
6 ROOF TO WALL  
1 1/2" = 1'-0"



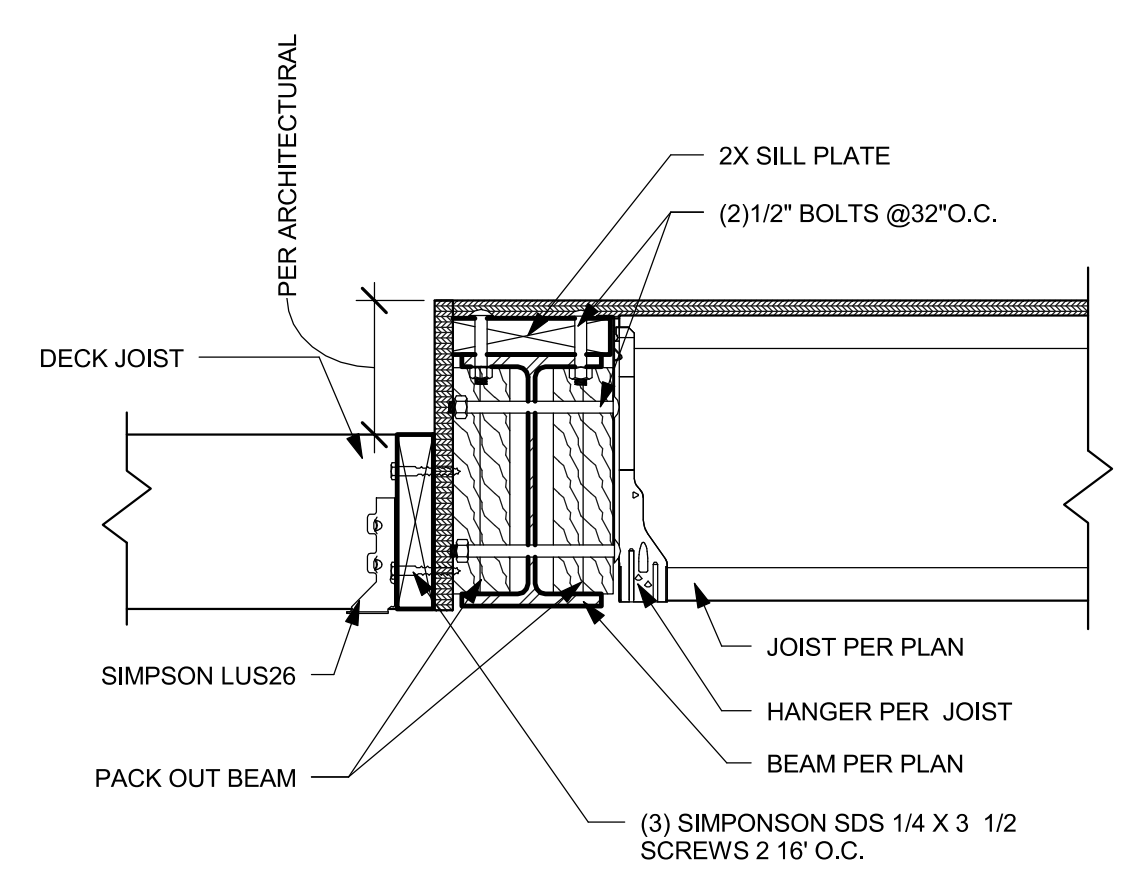
7 STEEL FLOOR TO WALL  
1 1/2" = 1'-0"



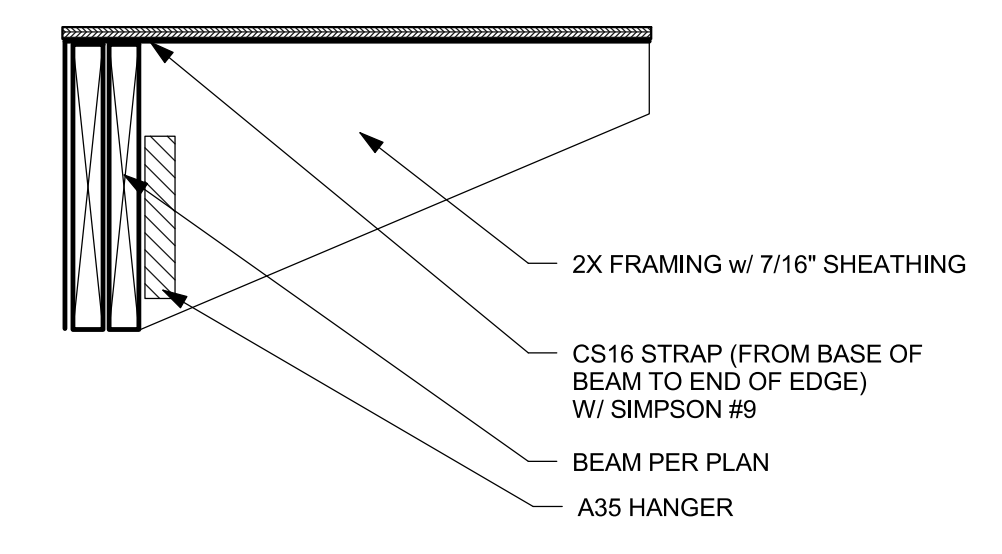
8 UPPER FLOOR TO WALL  
1 1/2" = 1'-0"



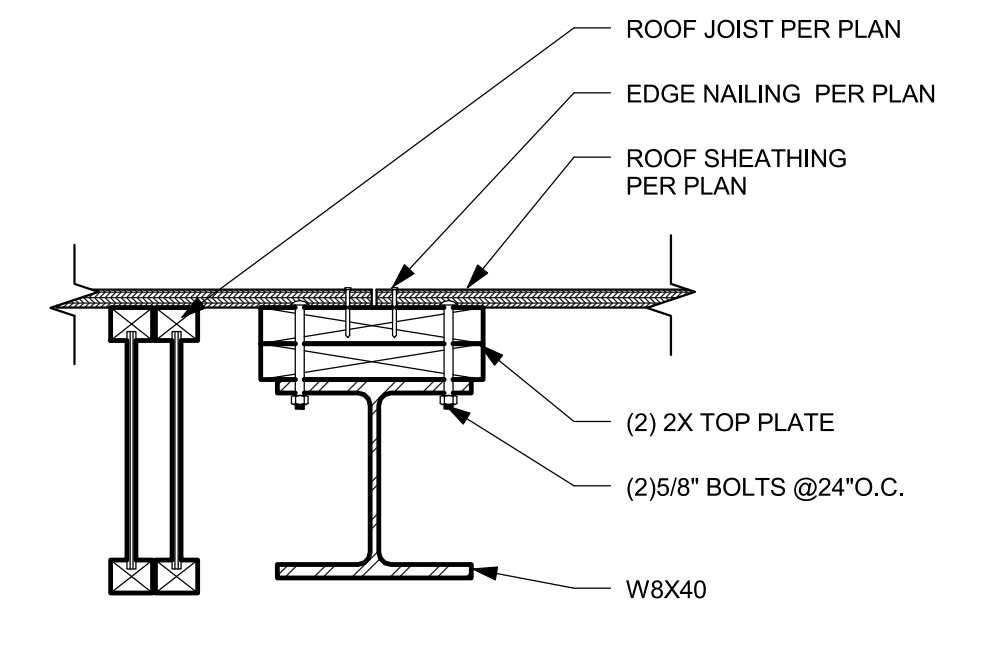
12 ROOF END DETAIL  
1 1/2" = 1'-0"



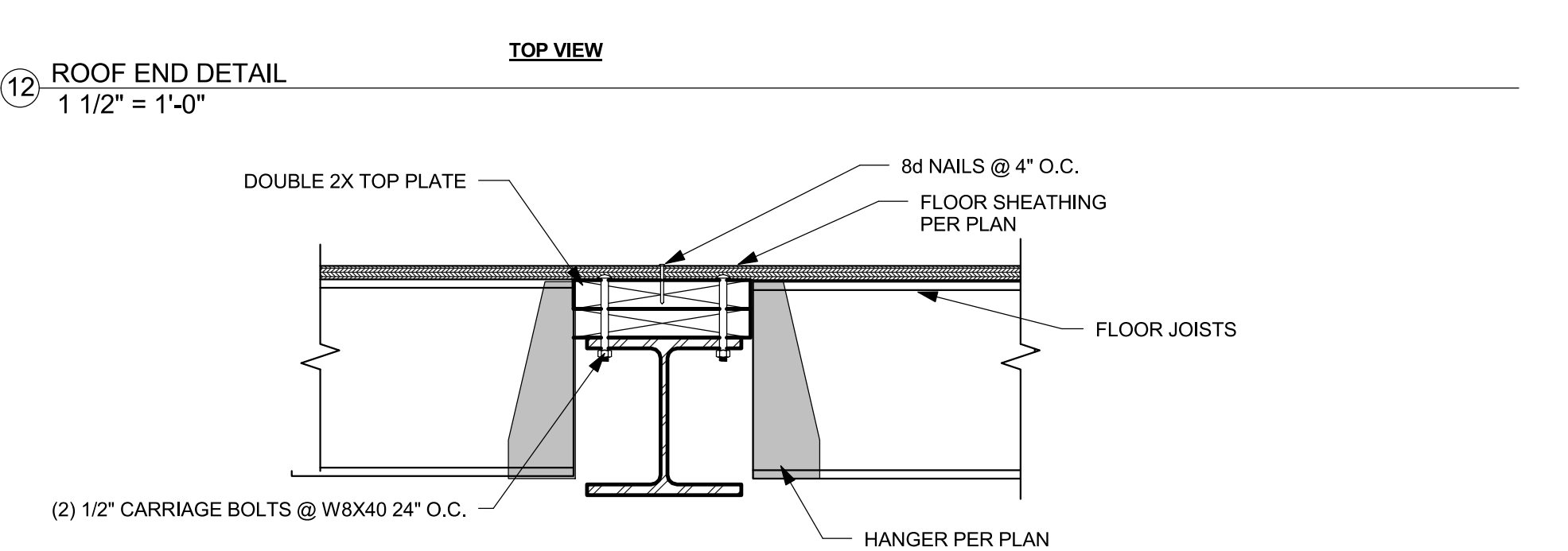
9 UPPER DECK TO FLOOR  
1 1/2" = 1'-0"



10 LOWER ROOF FRONT  
1 1/2" = 1'-0"



11 MF BEAM TO DIAPHRAGM 1  
1 1/2" = 1'-0"



13 COLLECTOR BEAM TO DIAPHRAGM  
1 1/2" = 1'-0"

CONSTRUCTION NOTES

DATE

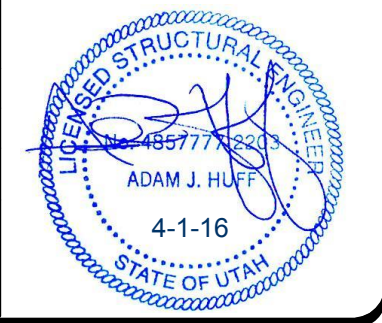
JUNE 2015



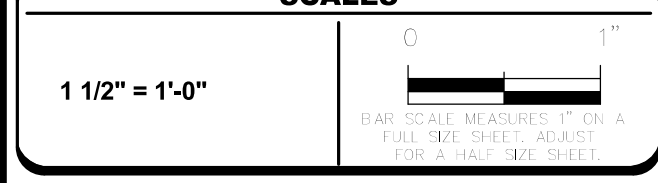
REVISIONS

MARK	DATE	DESCRIPTION
1	6/2/2015	Revision 1
2	3-31-16	Revision 2

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH  
PROJECT #  
14SM2068



SCALES



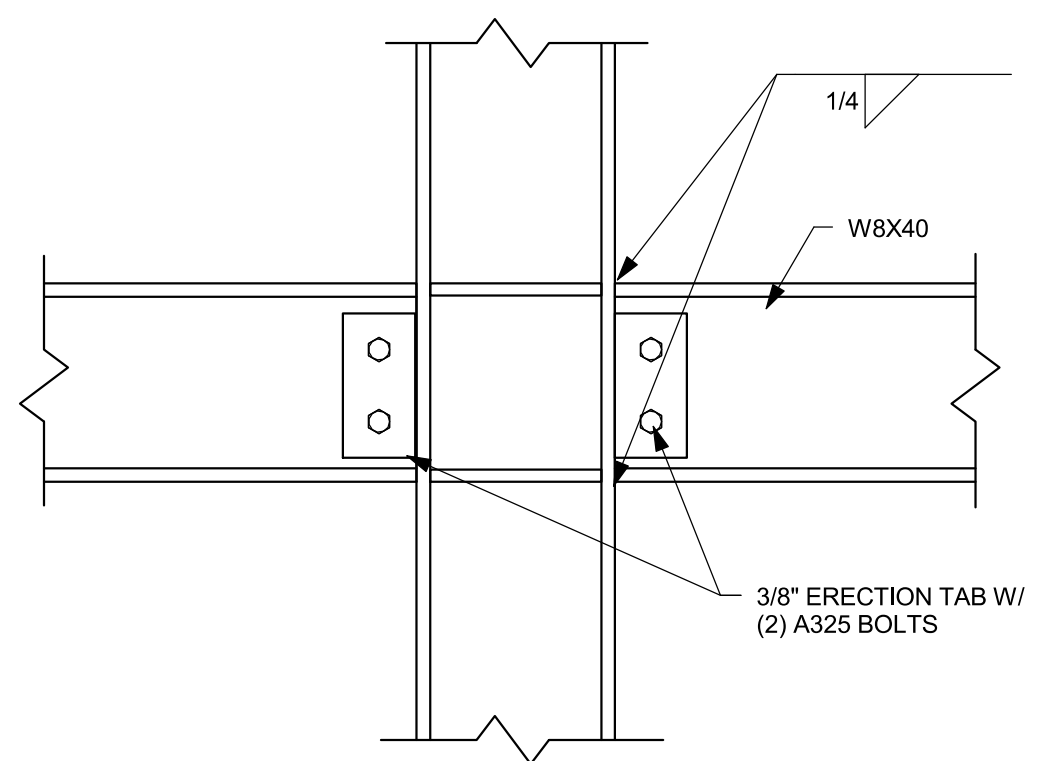
PROJECT NAME:  
**FALCONE RESIDENCE**

PROJECT LOCATION:  
**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

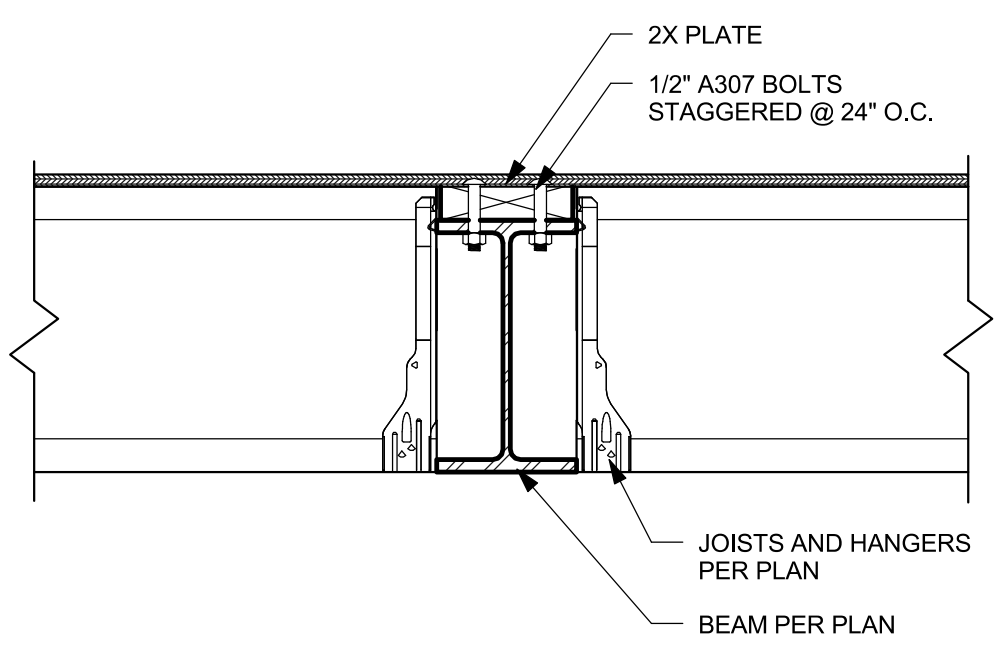
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**STRUCTURAL DETAILS**

PLAN SET: PERMIT SHEET  
**S3.2**

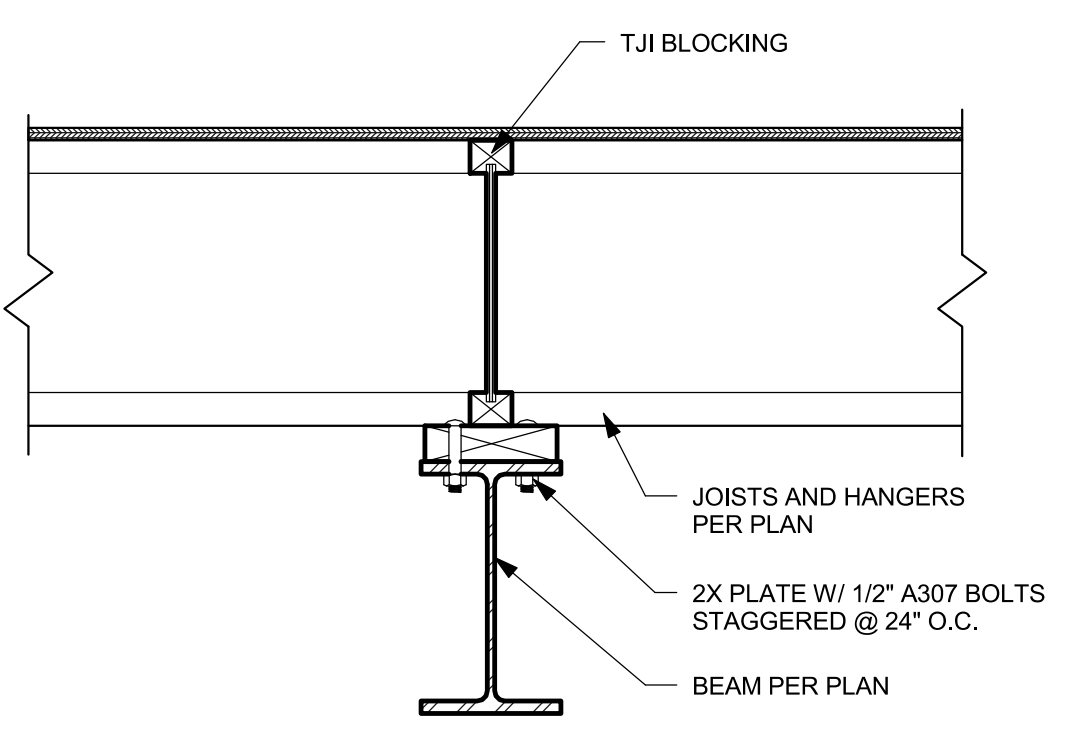
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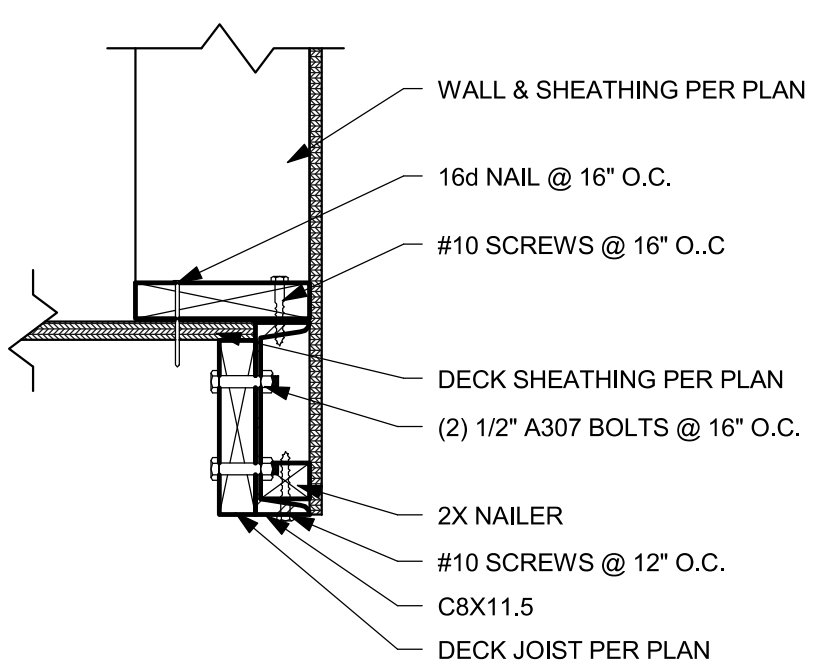
1 STEEL COLLECTOR TO MF CONNECTION  
1 1/2" = 1'-0"



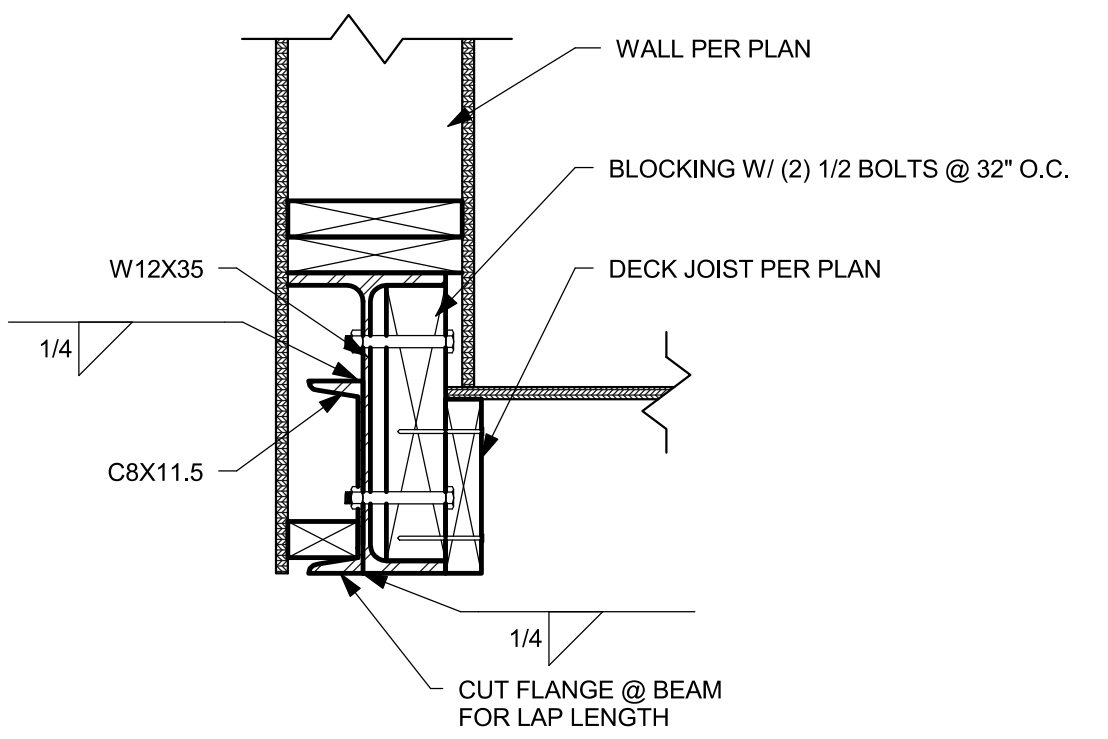
2 FLOOR JOIST TO BEAM 1  
1 1/2" = 1'-0"



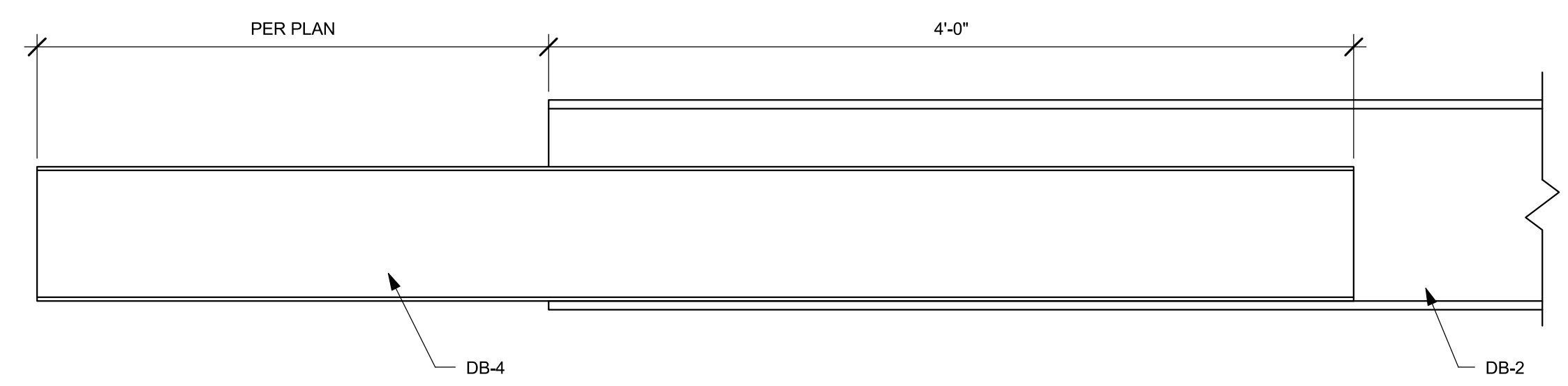
3 FLOOR JOIST TO BEAM  
1 1/2" = 1'-0"



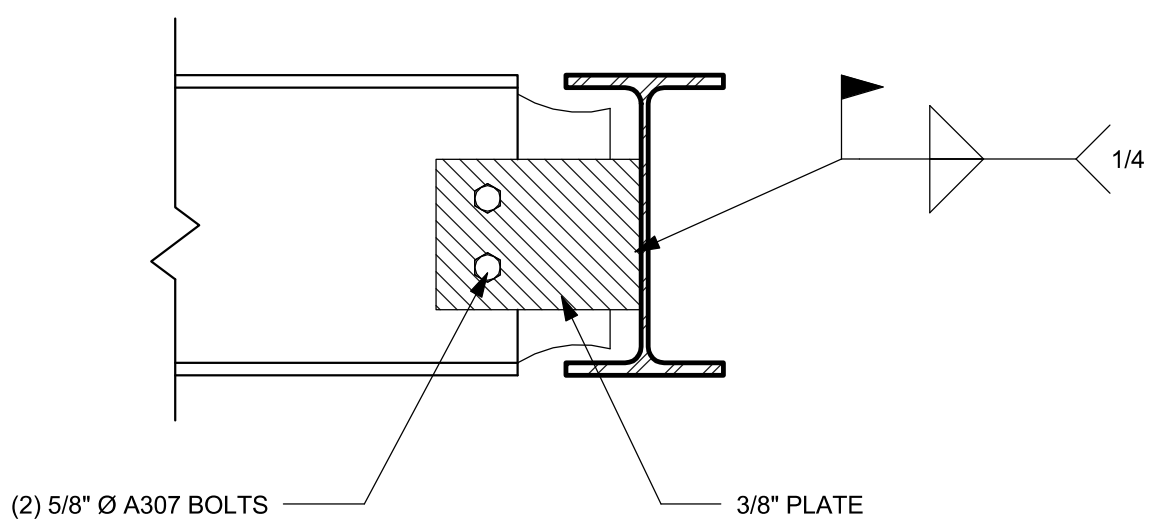
4 DECK WALL SECTION AT C-CHANNEL  
1 1/2" = 1'-0"



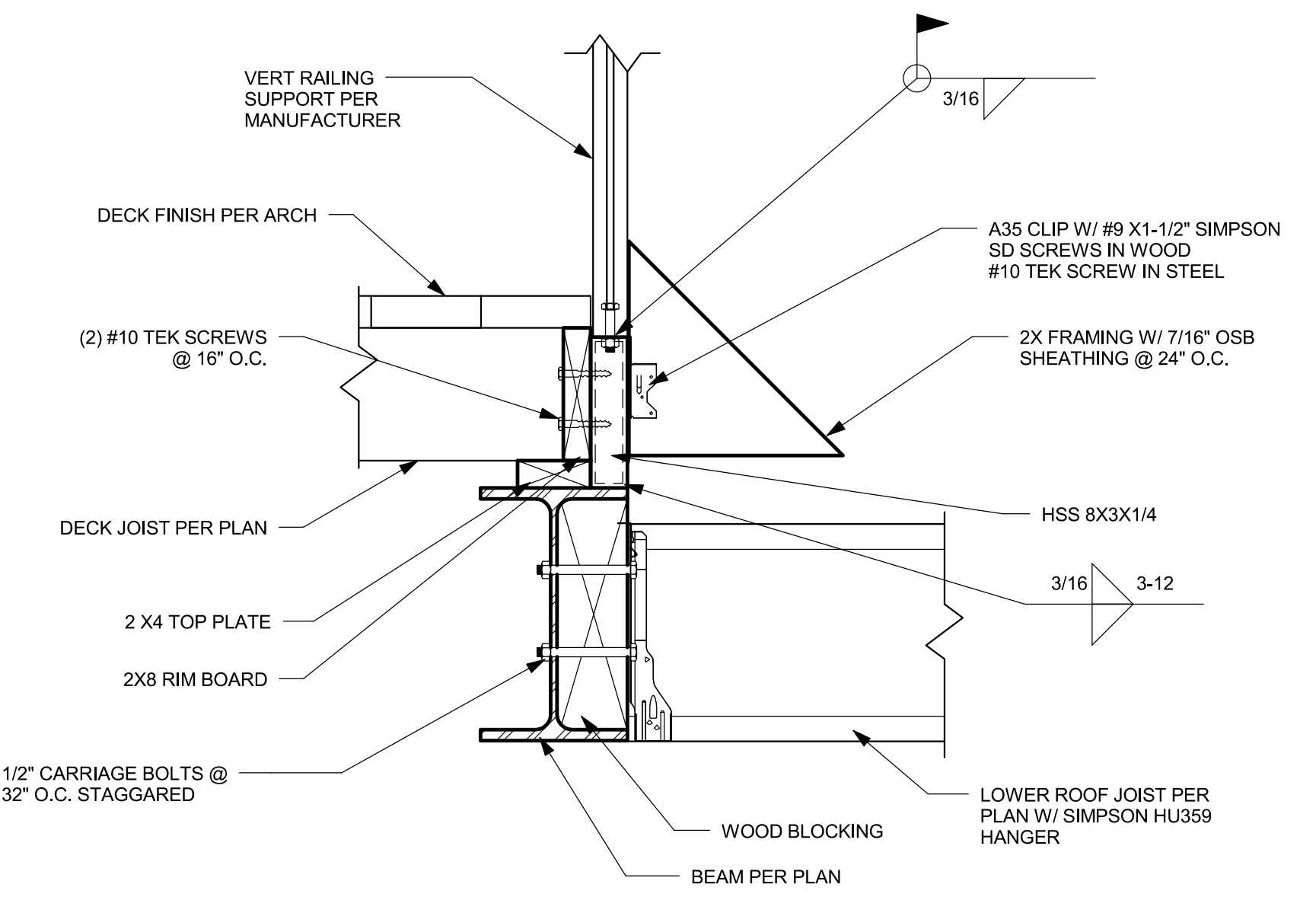
5 S. BEAM EXTENSION 1  
1 1/2" = 1'-0"



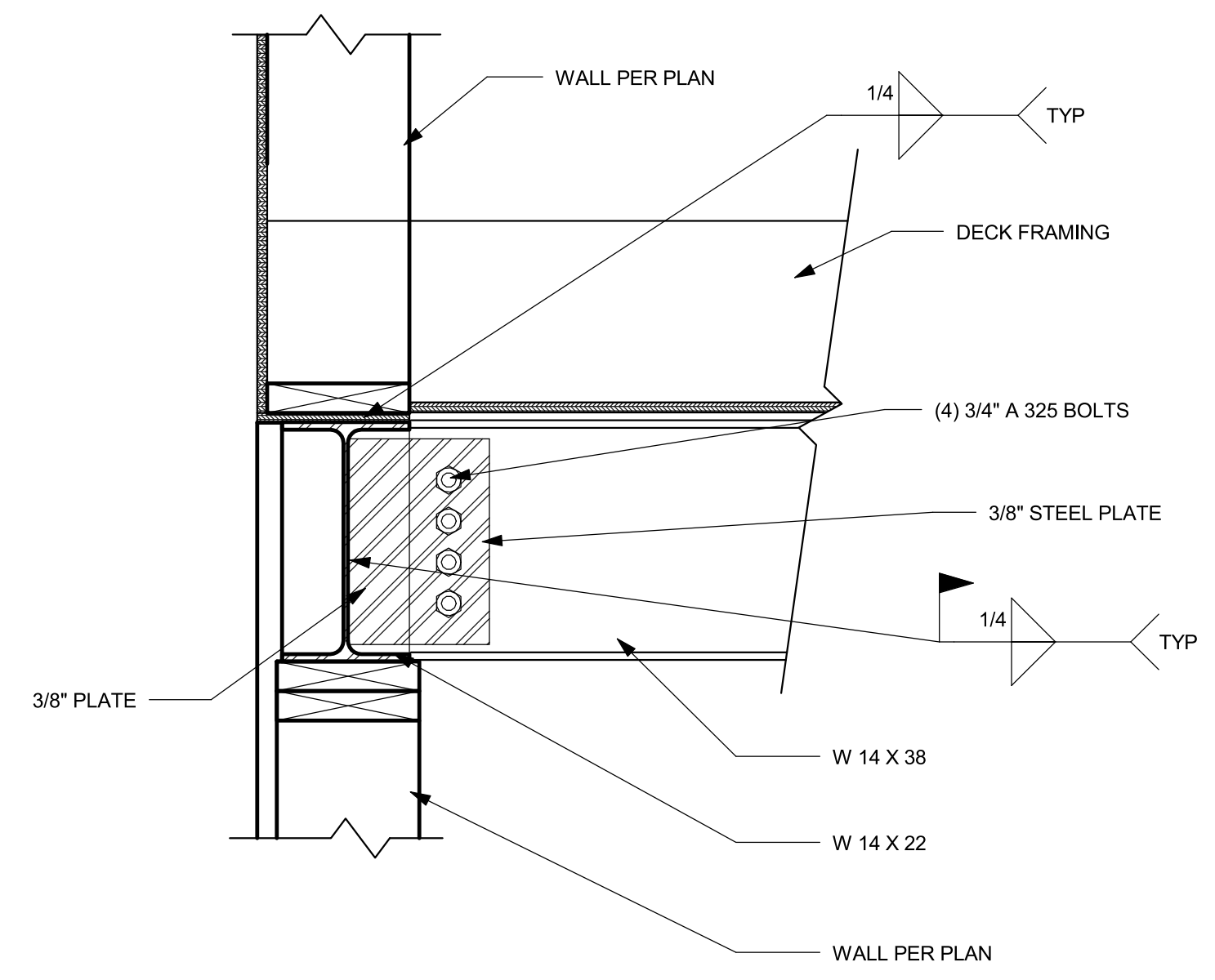
6 S. BEAM EXTENSION 2  
1 1/2" = 1'-0"



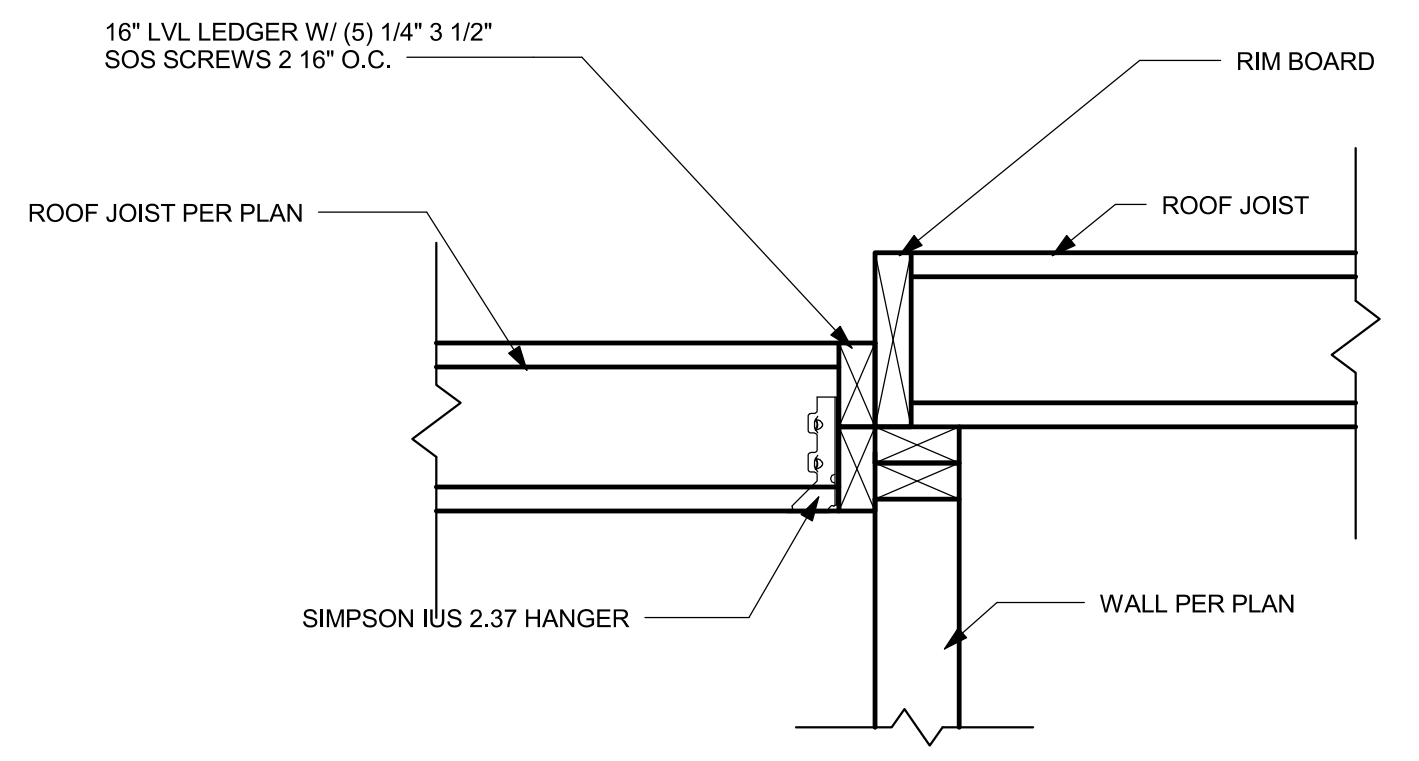
7 STEEL BEAM CONNECTION  
1 1/2" = 1'-0"



8 S. DECK/LOWER ROOF CONNECTION  
1 1/2" = 1'-0"



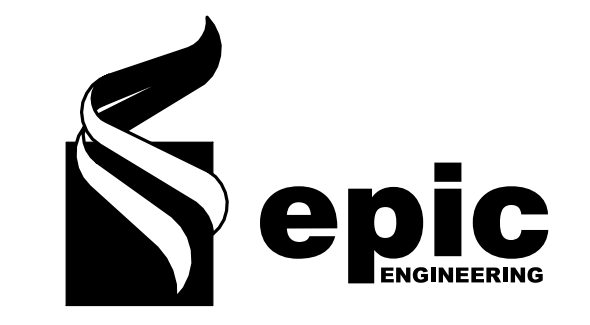
9 S. W14 X38 TO W12X26  
1 1/2" = 1'-0"



10 S. ROOF TO WALL 1  
1 1/2" = 1'-0"

CONSTRUCTION NOTES

DATE  
JUNE 2015



REVISIONS		
MARK	DATE	DESCRIPTION

DRAWN: JKC	
DESIGNER: PW	
REVIEWED: AJH	
PROJECT # 14SM2068	

SCALES	
1 1/2" = 1'-0"	

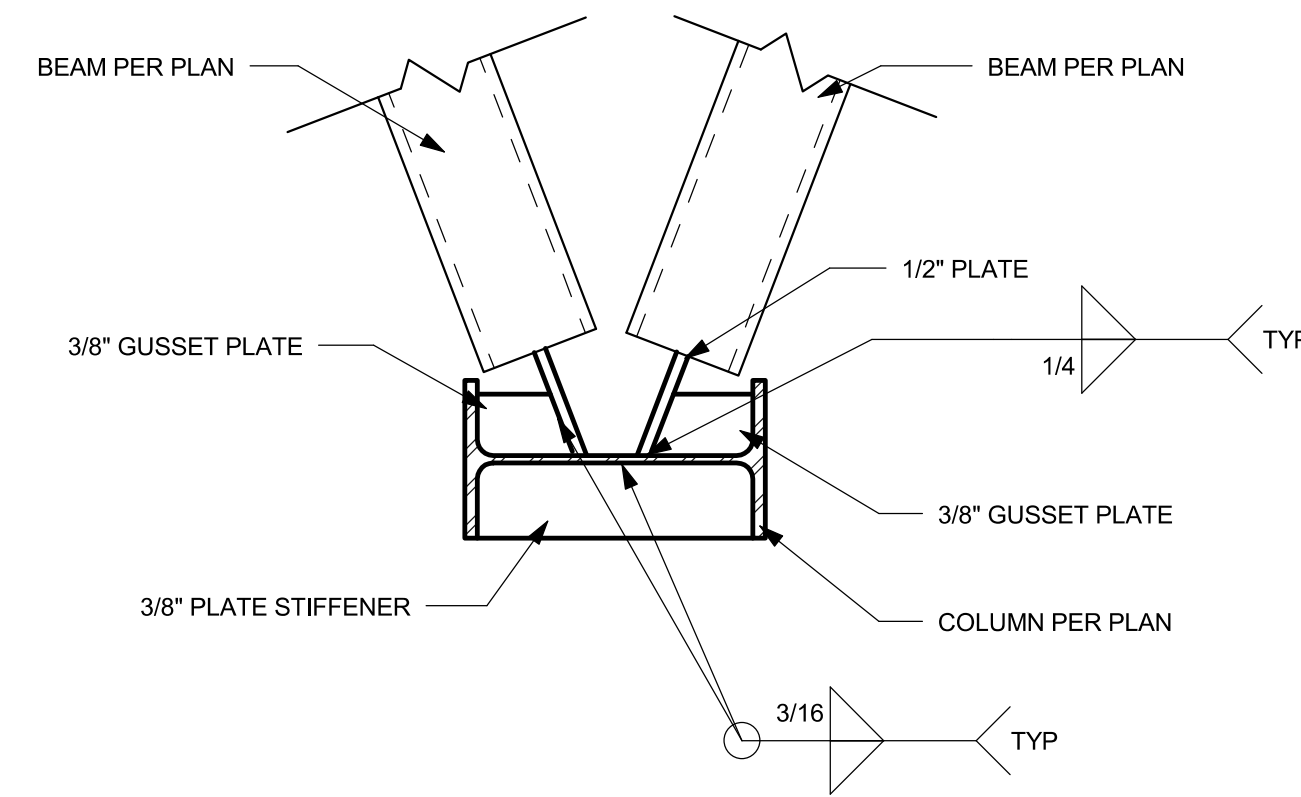
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**FALCONE RESIDENCE**

PROJECT LOCATION:  
**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

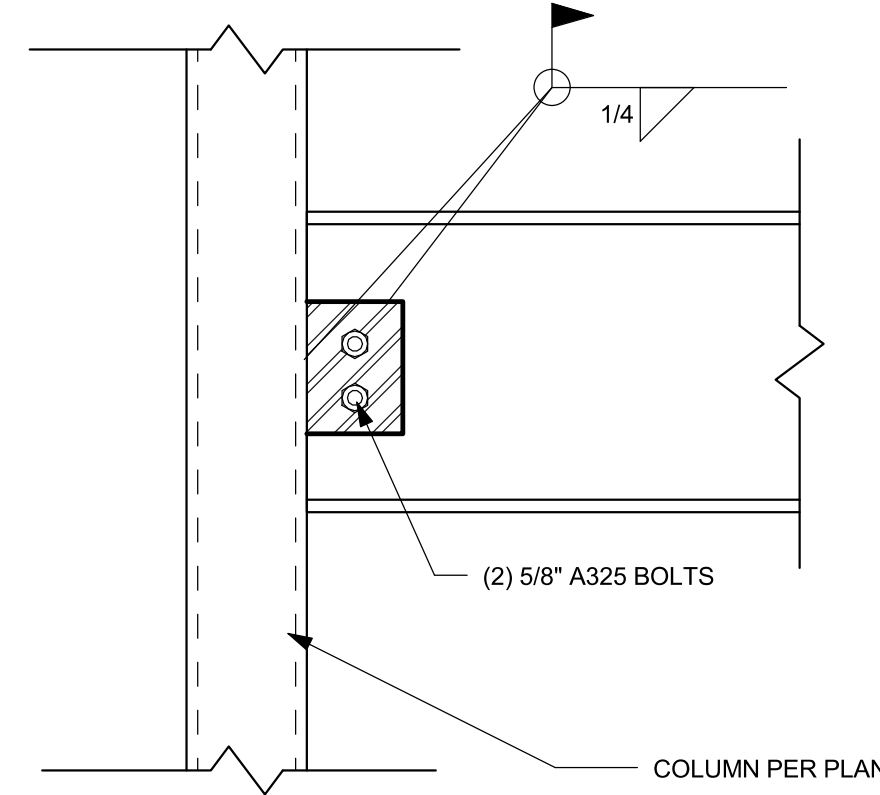
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**STRUCTURAL DETAILS**

PLAN SET: <b>PERMIT</b>	SHEET <b>S3.3</b>
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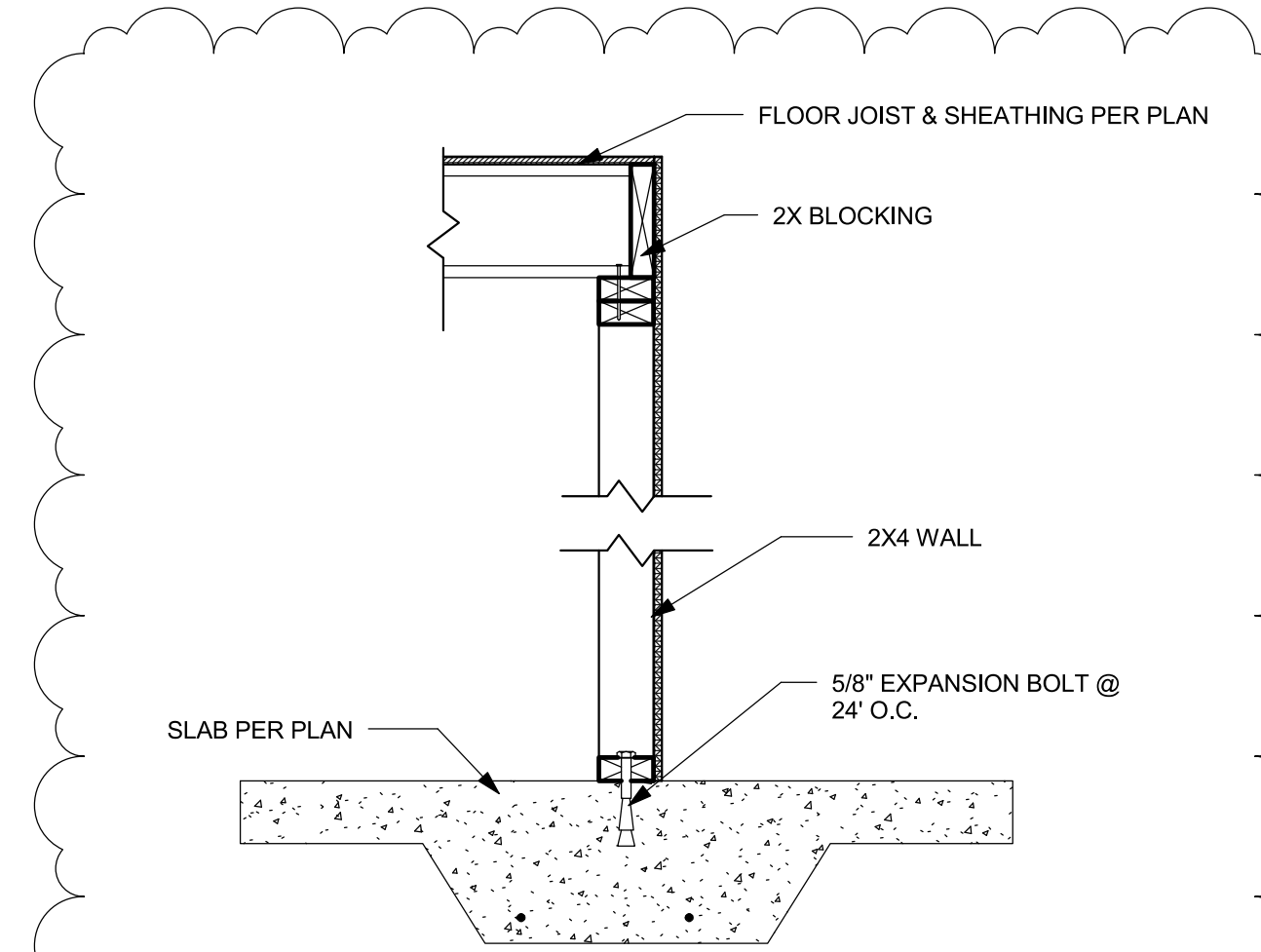
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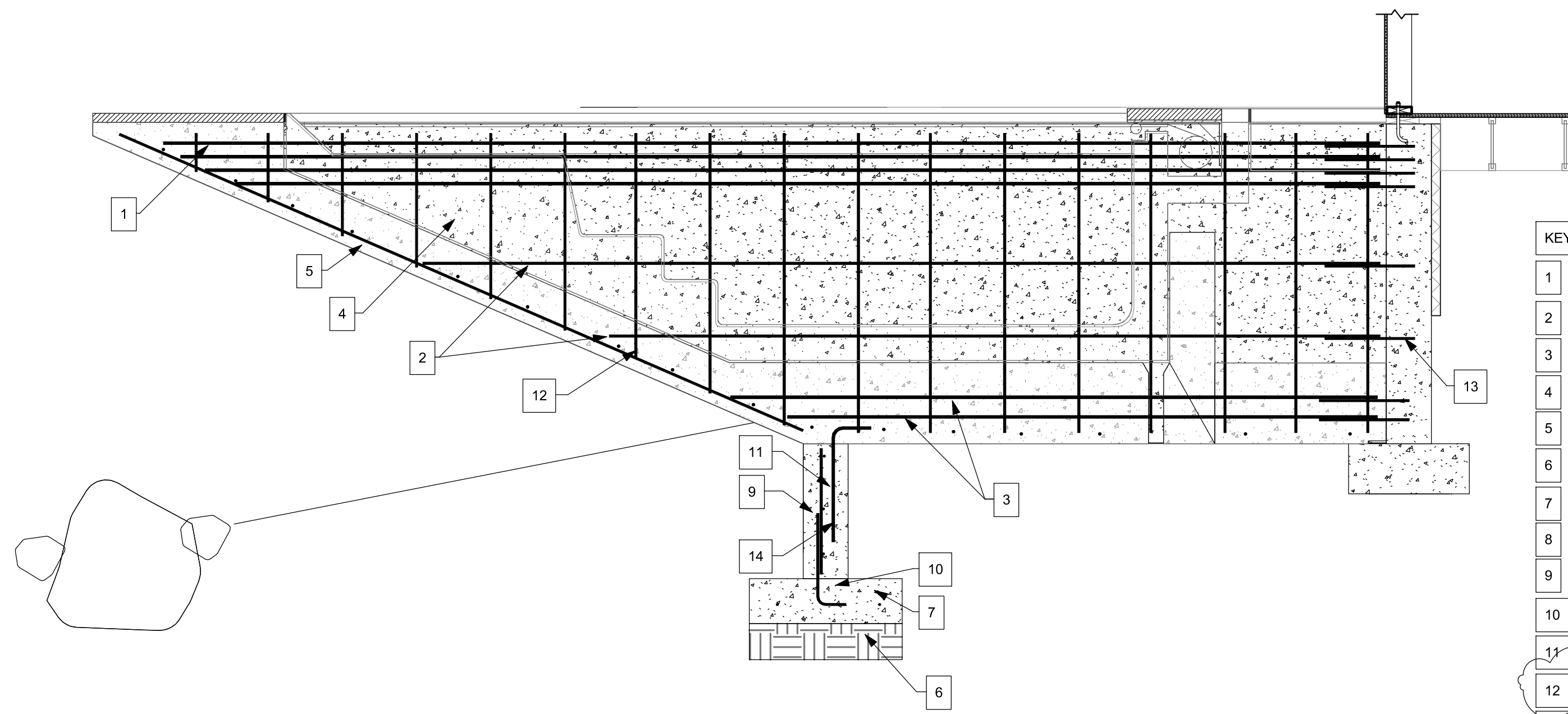
1 S. BEAM TO COLUMN 2  
1 1/2" = 1'-0"



2 S. BEAM TO COLUMN SIDE VIEW  
1 1/2" = 1'-0"



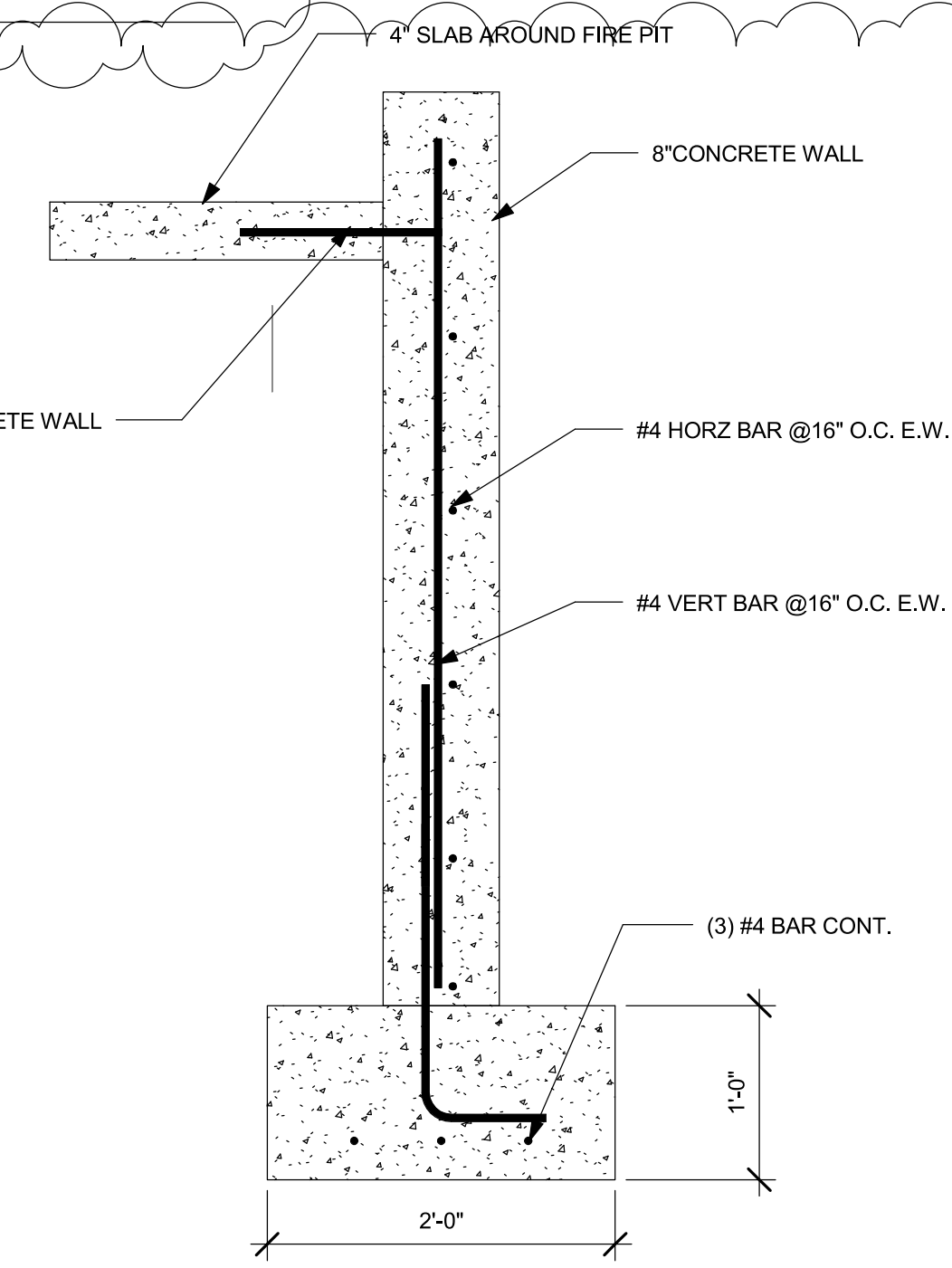
3 INTERIOR WALL SECTION  
1" = 1'-0"



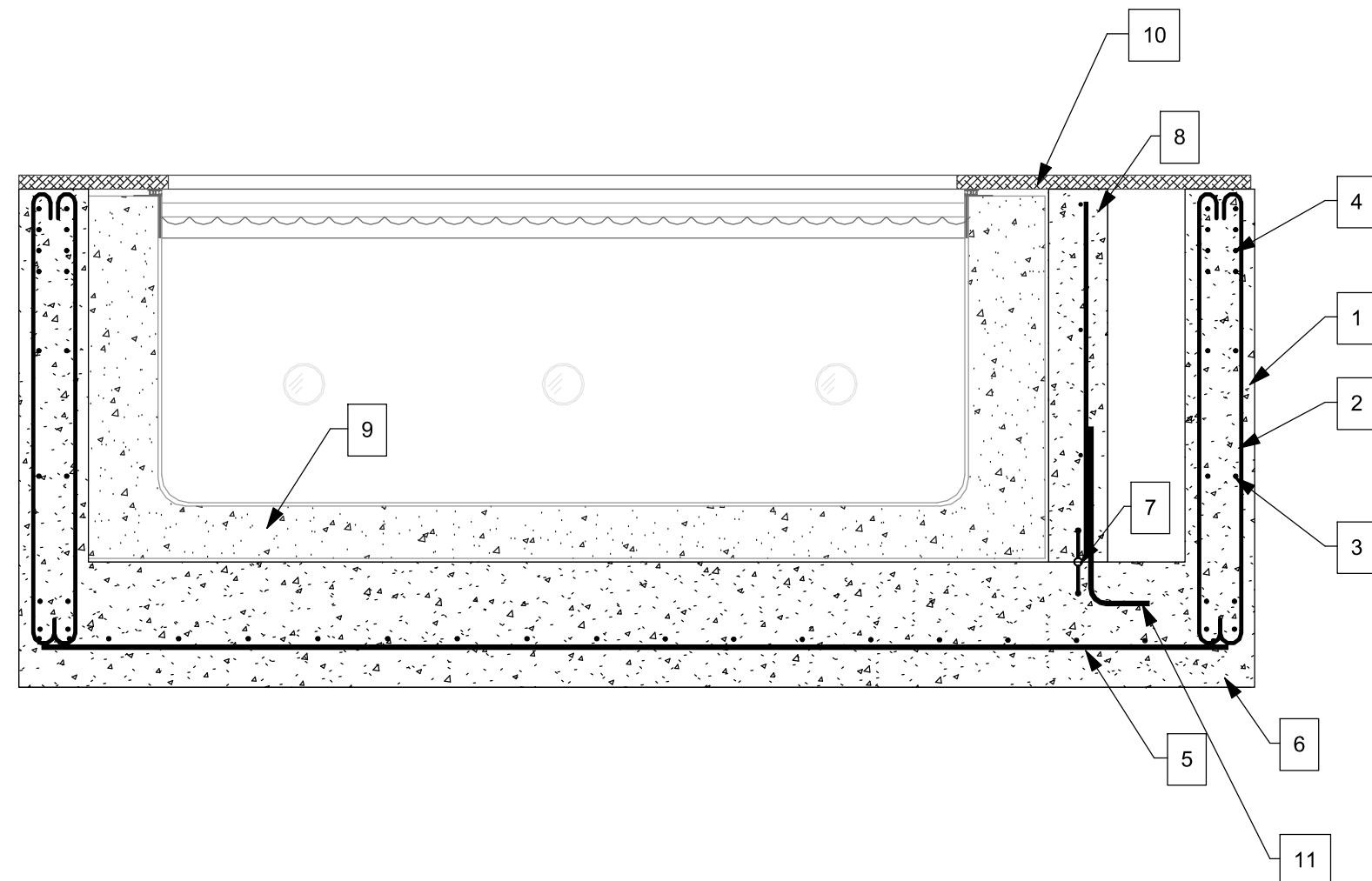
4 SIDEWALL REINFORCEMENT  
1/2" = 1'-0"

KEYNOTES

- 1 (4) ROWS OF (2) #5 BAR SPACED 3" APART
- 2 (2) ROWS OF (2) #4 BAR EQUALLY SPACED
- 3 (2) ROWS OF (2) #5 BAR EQUALLY SPACED
- 4 SHOT CRETE BY POOL MANUFACTURER
- 5 10" THICK FLOOR SLAB. REINFORCE WITH #5 @ 10" O.C. BOTH DIRECTIONS
- 6 EXTEND FOOTING TO BEDROCK - REFER TO GEO-TECH REPORT
- 7 FOOTING AND REINFORCEMENT PER PLAN
- 8 4" PVC WATER STOP - CENTER BULB
- 9 10" THICK FOUNDATION WALL REINFORCED WITH #4 VERT @ 16" O.C. #4 HORIZONTAL @ 18" O.C.
- 10 #4 DOWEL SPACED PER VERTICAL BAR SPACING IN WALL
- 11 VERTICAL BAR - SEE NOTE 9
- 12 #4 VERTICAL BAR @ 12" OC WITH 180 DEGREE BENDS AT END. LOOP OVER BAR IN FLOOR SLAB
- 13 DOWEL INTO CONCRETE WALL 4" MIN. SET WITH HILTI RE-200 EPOXY OR EQUIVALENT. EXTEND DOWEL 12" INTO WALL. MATCH BAR SIZE AND SPACING TO WALL REINFORCEMENT
- 14 #5 DOWEL SPACED 12" O.C. INTO FLOOR SLAB



5 CONCRETE RETAINING WALL @ FIRE PIT  
1" = 1'-0"



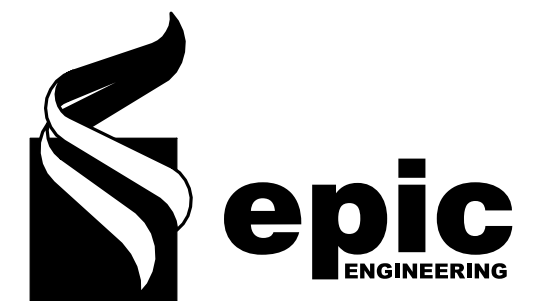
6 POOL CROSS SECTION  
1/2" = 1'-0"

KEYNOTES

- 1 10" THICK SIDE WALL REINFORCED AS INDICATED. POUR MONOLITHICALLY WITH FLOOR SECTION
- 2 #4 VERTICAL @ 12" O.C. WITH 180 DEGREE BAR ENDS. SEE SIDEWALL SECTION
- 3 (2) ROWS OF (2) #5 BAR EQUALLY SPACED
- 4 (4) ROWS OF (2) #5 BAR SPACED 3" O.C.
- 5 10" THICK FLOOR SLAB. REINFORCE WITH #5 @ 10" O.C. BOTH DIRECTIONS
- 6 POUR SLAB MONOLITHICALLY WITH SIDE WALL
- 7 4" PVC WATER STOP - CENTER BULB
- 8 8" THICK WALL REINFORCED WITH #4 VERT @ 16" O.C. AND HORIZONTAL
- 9 SHOT CRETE BY POOL SUPPLIER
- 10 GRANITE WALK WAY
- 11 #4 DOWEL SPACED PER VERTICAL BAR SPACING IN WALL

CONSTRUCTION NOTES

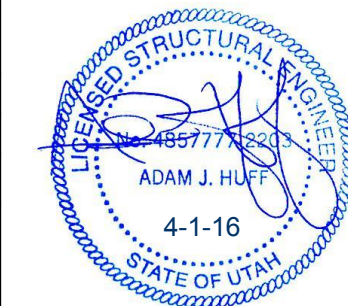
DATE  
JUNE 2015



REVISIONS

MARK	DATE	DESCRIPTION
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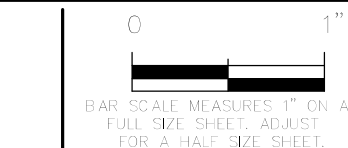
DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH



PROJECT #  
14SM2068

SCALES

As Indicated



PROJECT NAME:

FALCONE RESIDENCE

PROJECT LOCATION:

7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT

SHEET TITLE:

STRUCTURAL DETAILS

PLAN SET:

PERMIT

SHEET

S3.4

**ANCHOR BOLT SCHEDULE**

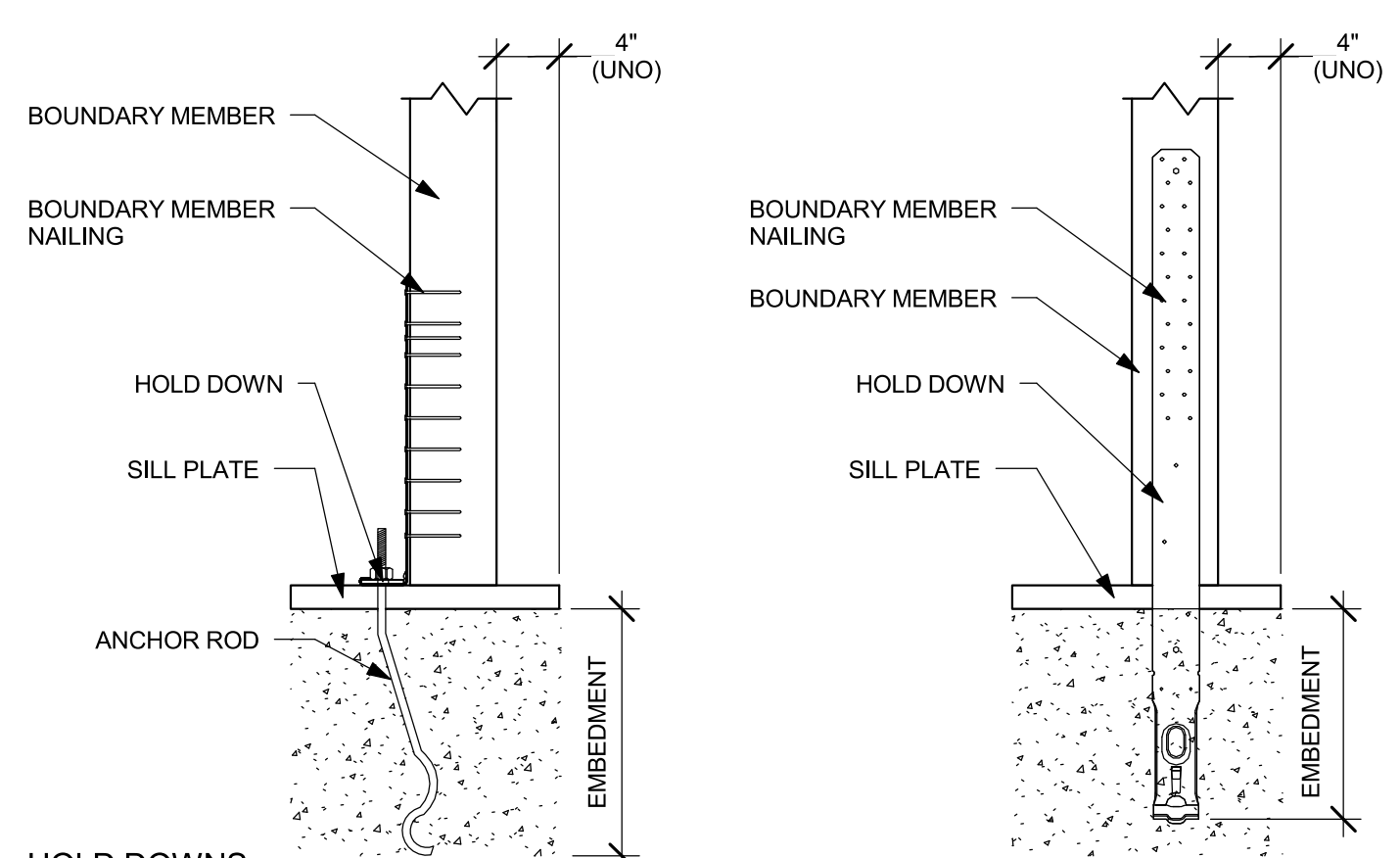
\*\* 5/8" DIAM x 12" w/ Standard Hook @ 32" o.c. unless noted otherwise per schedule.

MARK	DESCRIPTION	SPACING	WASHER	SILL PLATE	STRENGTH (plf)
BP-1	5/8" Dia. X 12" w/ std. Hook	16"	3"x3"x1/4"	2x6	434
BP-2	5/8" Dia. X 12" w/ std. Hook	12"	3"x3"x1/4"	2x6	579
BP-3	5/8" Dia. X 12" w/ std. Hook	18"	3"x3"x1/4"	3x6 min	772
BP-4	5/8" Dia. X 12" w/ std. Hook	12"	3"x3"x1/4"	3x6 min	1158
BP-5	1/2" Dia. Thru Bolt to Steel Below	32"	NA	2x6	410

**HOLD DOWN AND STRAP SCHEDULE**

MARK	HOLD DOWN	TYPE	Allow. LOAD
A	Simpson STHD10	Embedded Hold down	2940 lbs
B	Simpson MSTC28	Strap Tie	1155 lbs

- HOLD DOWN NOTES:**
- ANCHOR RODS SHALL BE HEADED BOLTS OR RODS THREADED WITH HEAVY HEX NUT.
  - INCREASE FOOTING DEPTH WHERE EMBEDMENT LENGTH PLUS 3" IS GREATER THAN FOOTING DEPTH SPECIFIED.
  - ALL HOLD DOWNS SPECIFIED ARE "SIMPSON-STRONG TIE". SEE GENERAL STRUCTURAL NOTES FOR SUBSTITUTIONS
  - LAG SCREWS SHALL NOT BE USED.
  - DO NOT OVER TORQUE NUTS; SEE MANUFACTURERS TORQUE REQUIREMENTS.
  - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



**1 HOLD DOWNS**  
1" = 1'-0"

**SHEAR WALL SCHEDULE**

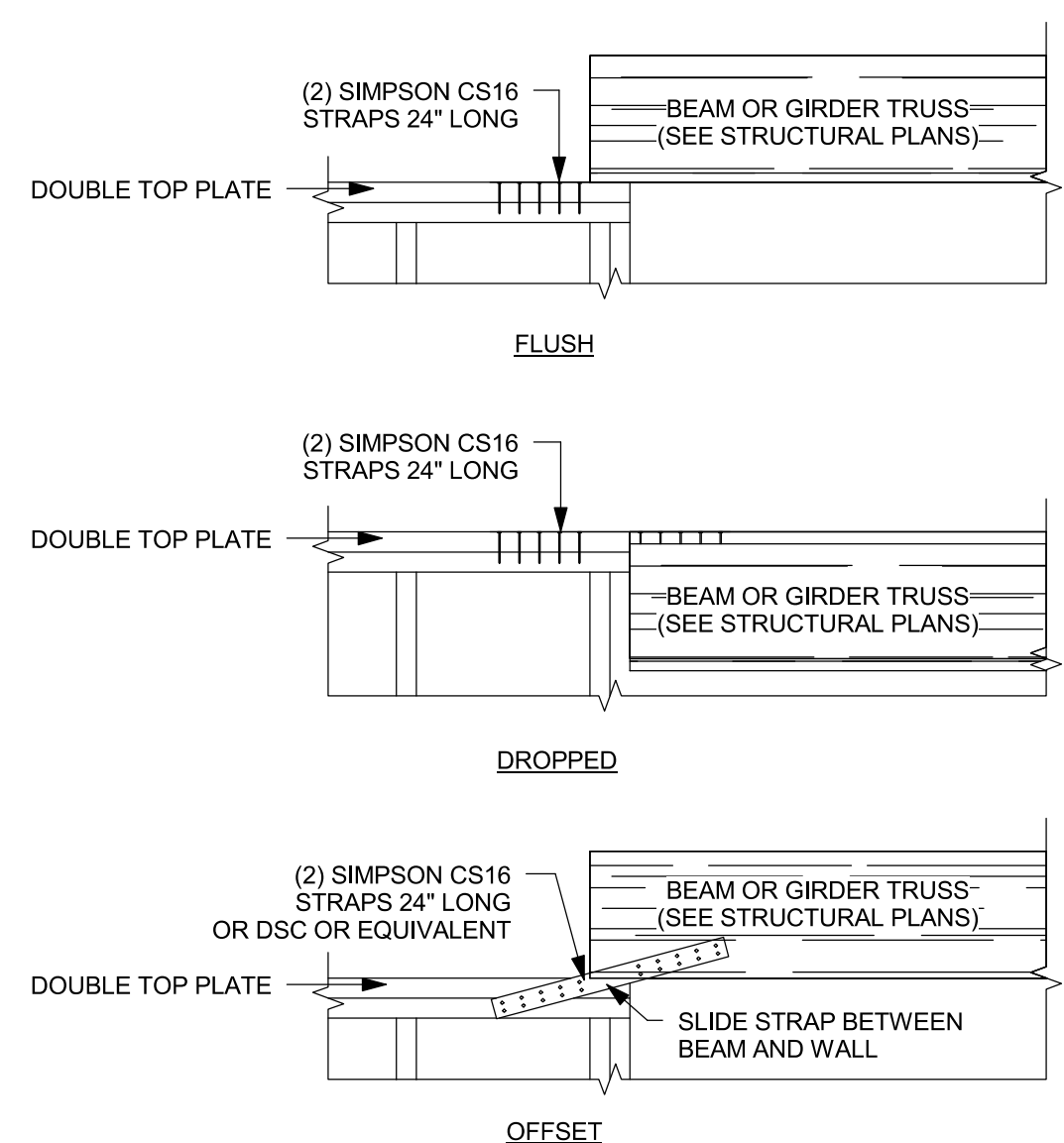
MARK	EDGE	FIELD	NOTES	SEISMICWIND	Vallow
SW-1	6"	12"	1,2,3,4	255	357
SW-2	4"	12"	1,2,3,4,5	395	552
SW-3	3"	12"	1,2,3,4,5	505	707
SW-4	2"	12"	1,2,3,4,5	670	937

- NOTES:**
- 16" o.c. max stud spacing (AWC SDPWS-2008 Note 2)
  - 7/16" APA rated OSB panel.
  - 8d common or galvanized box nailing. Provide hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper nails at preservative-treated and fire-retardant-treated wood locations.
  - Block all edges.
  - 3" nominal framing at abutting panel edges (IBC Notes d & g)
  - Wind Capacities increased by 40% per IBC 2012 Section 2306.3
  - IBC notes above refer to "Notes to Table 2306.3(1)" in 2012 IBC

PENNY WEIGHT DESIGNATION	EQUIVALENT SPACING (INCHES)		
	COMMON NAIL	BOX NAIL	16 GAGE STAPLE
6d	4	4	3 1/2
	6	6	5
	8	8	6 1/2
	10	10	8 1/2
8d	4	4	2 1/2
	6	6	4
	8	8	5 1/2
	10	10	6 1/2
10d	4	4	2
	6	6	3 1/2
	8	8	4 1/2
	10	10	5 1/2
	12	12	6 1/2

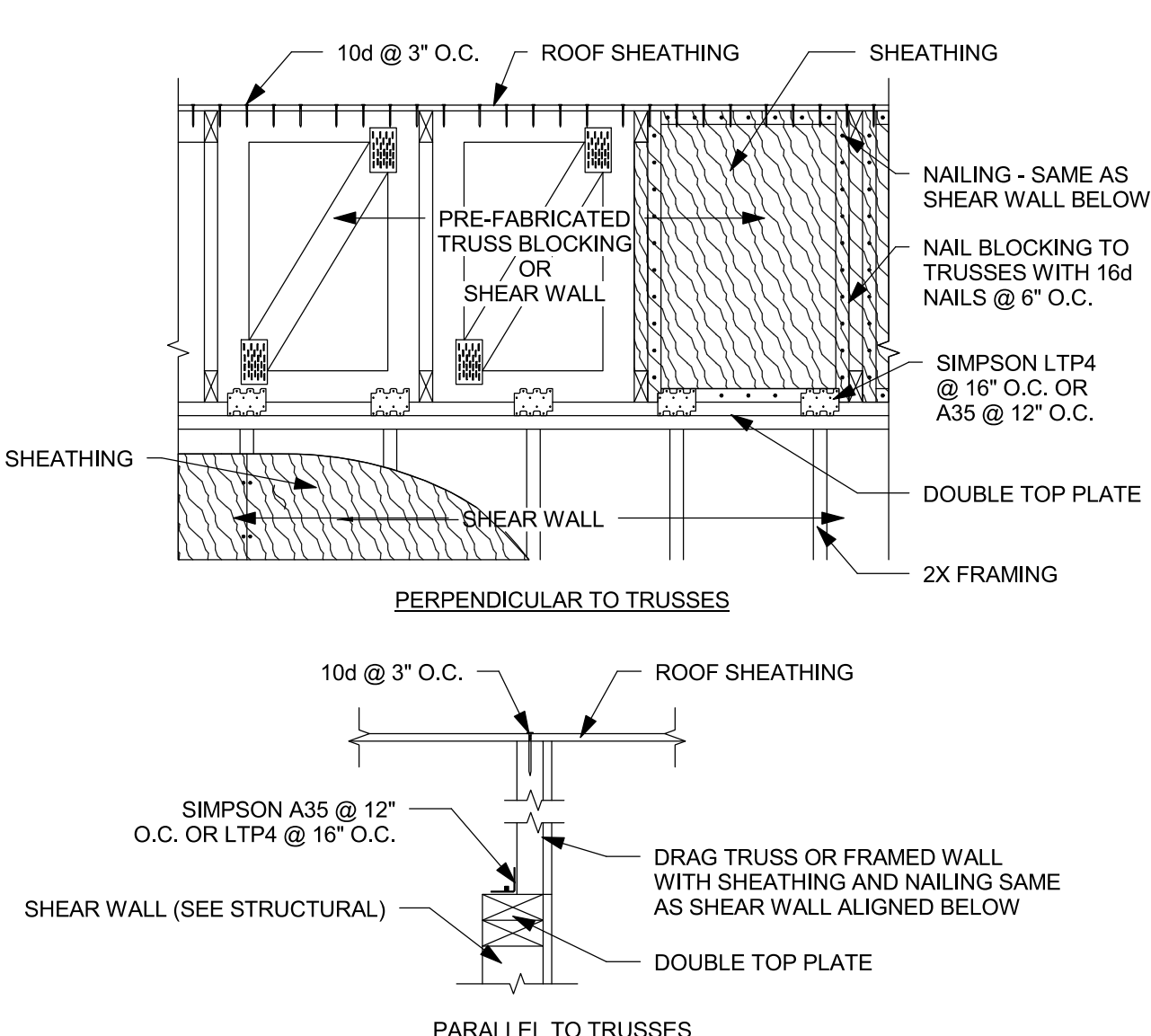
- NOTES:**
- SPACING VALID FOR LATERAL LOAD ONLY, 7/16 STRUCTURAL II PLYWOOD OR OSB SHEATHING.
  - STAPLES SHALL HAVE A MINIMUM CROWN WIDTH OF 7/16 INCH.
  - INTERNATIONAL BUILDING CODE (IBC) TABLE 2306.4.1.
  - ICC EVALUATION SERVICE REPORT NO. 1539, TABLE 14.
  - LOS ANGELES DEPARTMENT OF BUILDING AND SAFETY RESEARCH REPORT NO. 29633, TABLE 1.
  - FASTENERS IN PRESERVATIVE-TREATED AND FIRE-RETARDANT-TREATED WOOD SHALL BE OF HOT DIPPED ZINC-COATED GALVANIZED STEEL, SILICON BRONZE OR COPPER (2012 IBC 2304.9.5).

- WOOD SHEATHING SHEAR WALL NOTES:**
- PROVIDE 1/4" X 3" X 0'-3" WASHER PLATES AT BOLTS. CONTRACTOR HAS OPTION TO PROVIDE A DIAGONAL SLOTTED HOLE WITH A WIDTH OF 1 UP TO 3/16" LARGER THAN THE BOLT DIAMETER AND A SLOT LENGTH OF UP TO 1.3/4". PROVIDED A STANDARD CUT WASHER IS PLACED BETWEEN THE PLATE WASHER AND THE NUT.
  - USE COMMON NAILS AT SILL PLATE USE HOT DIPPED OR TUMBLER GALVANIZED.
  - ANCHOR BOLTS SHALL HAVE A 7" MINIMUM EMBEDMENT INTO CONCRETE AND TERMINATE WITH A 3" STANDARD 90 DEG. HOOK AND BE HOT-DIPPED GALVANIZED STAINLESS STEEL IN ACCORDANCE WITH IBC 2304.9.5
  - WHERE STUDS ARE CUT FOR PLACEMENT OF ANCHOR BOLTS OR OTHER ELEMENTS, AN ADJACENT STUD SHALL BE ADDED.
  - WHERE WOOD SHEATHING IS APPLIED TO BOTH SIDES OF A WALL AND NAIL SPACING IS LESS THAN 6" O.C. ON EITHER SIDE, PANEL JOINTS SHALL BE OFFSET TO FALL ON DIFFERENT FRAMING MEMBERS, OR FRAMING MEMBER SHALL BE 3" OR THICKER AND NAILS ON EITHER SIDE SHALL BE STAGGERED.
  - PRE-DRILLED HOLE ARE REQUIRED AT 20d NAILS.
  - SEE GENERAL STRUCTURAL NOTES FOR ADDITIONAL REQUIREMENTS.



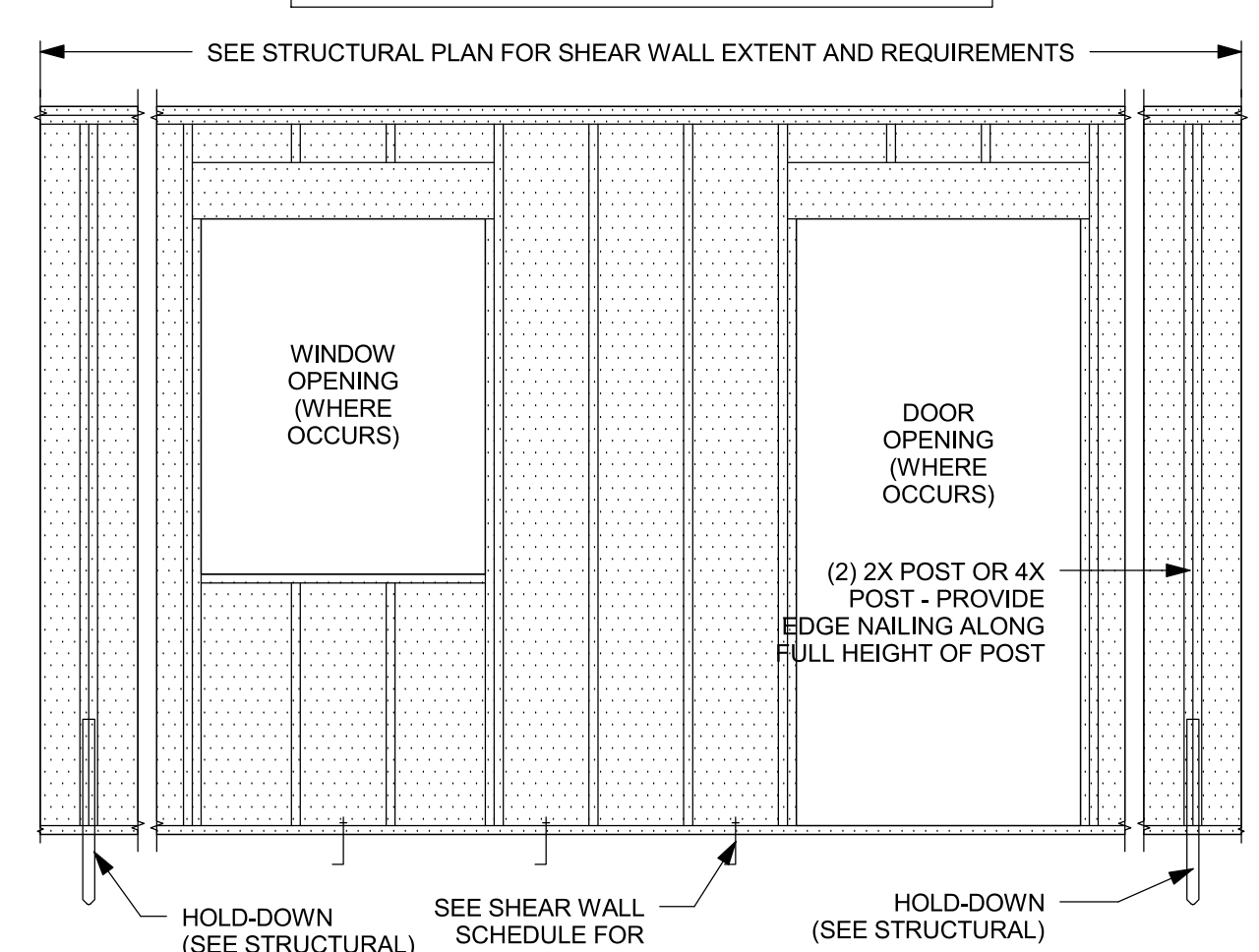
**4 DIAPHRAGM - CHORD/COLLECTOR STRAP**  
1" = 1'-0"

**7 DIAPHRAGM - TOP PLATE SPLICE**  
1" = 1'-0"

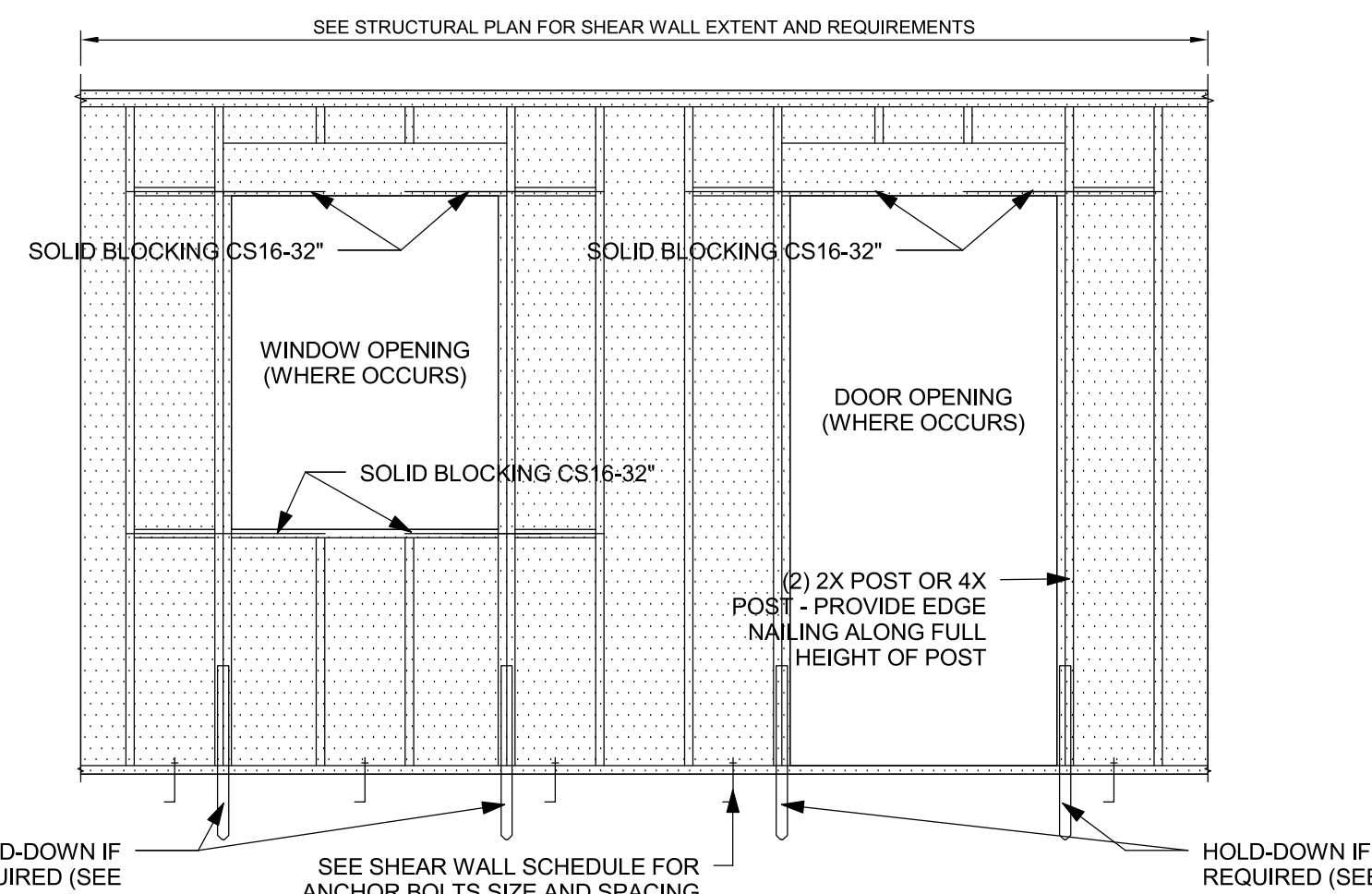


**2 SHEAR WALL - ROOF DIAPHRAGM CONNECTION**  
1" = 1'-0"

**ADDITIONAL STRAPPING AND BLOCKING AROUND OPENINGS ARE NOT REQUIRED (2012 IBC 2302).**



**3 SHEAR WALL - PERFORATED**  
1" = 1'-0"

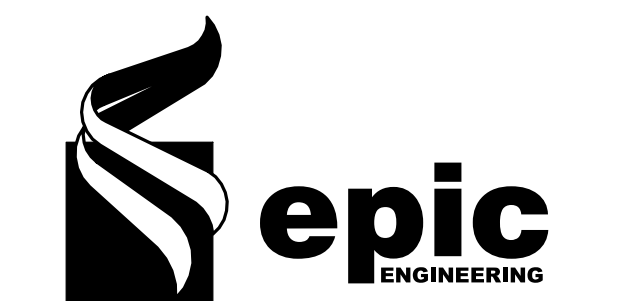


**6 SHEAR WALL - FORCE TRANSFER AROUND OPENINGS**  
1" = 1'-0"

**CONSTRUCTION NOTES**

**DATE**

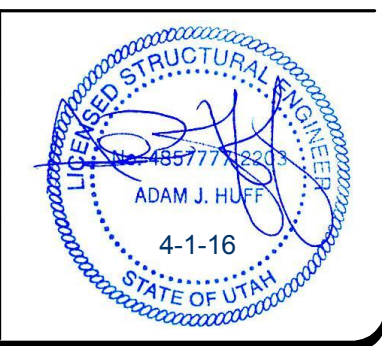
JUNE 2015



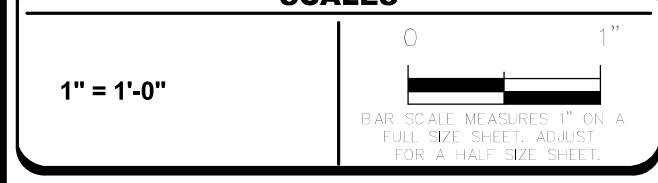
**REVISIONS**

MARK	DATE	DESCRIPTION

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH  
PROJECT #  
14SM2068



**SCALES**



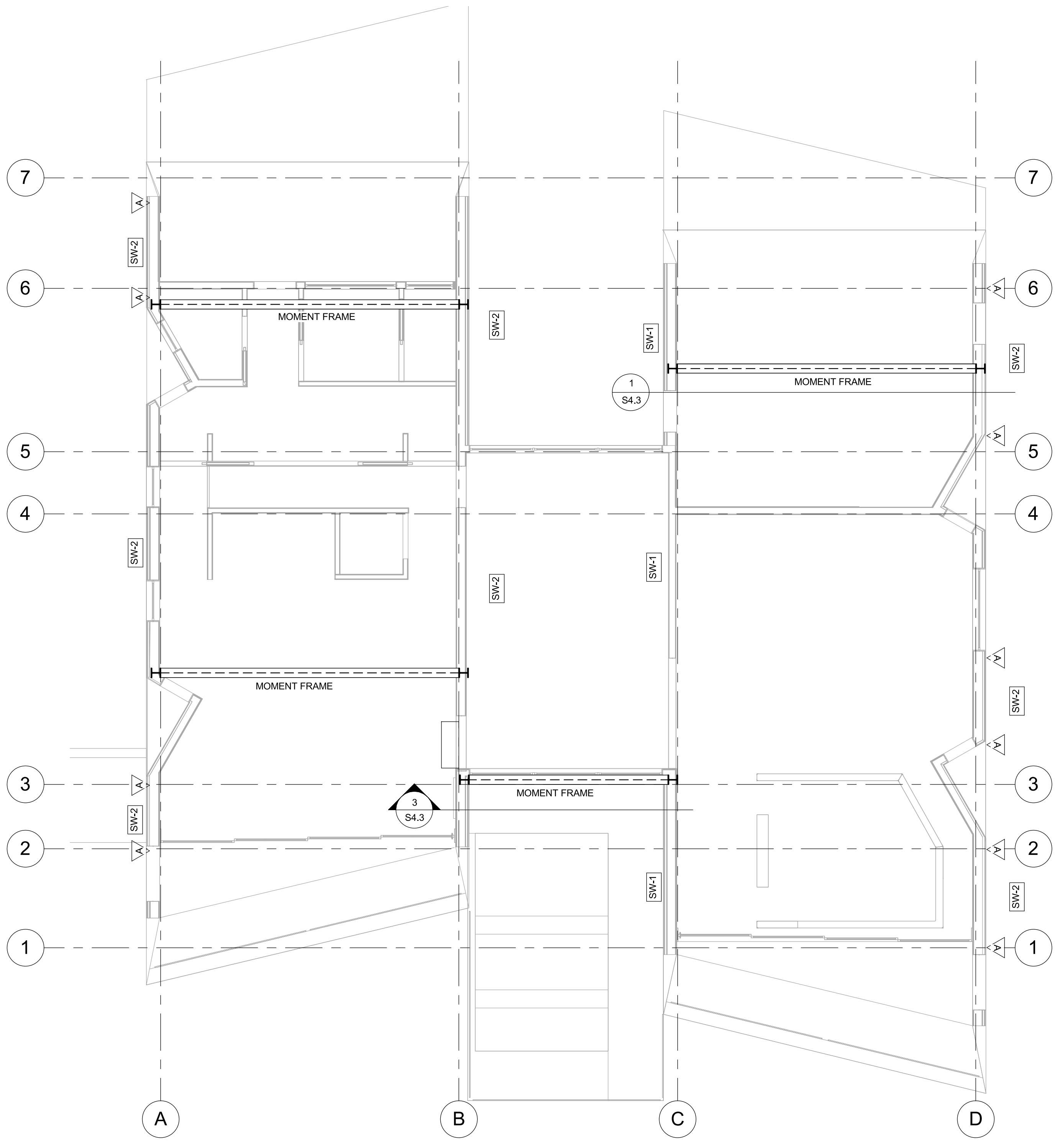
**PROJECT NAME:**  
FALCONE RESIDENCE

**PROJECT LOCATION:**  
7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT

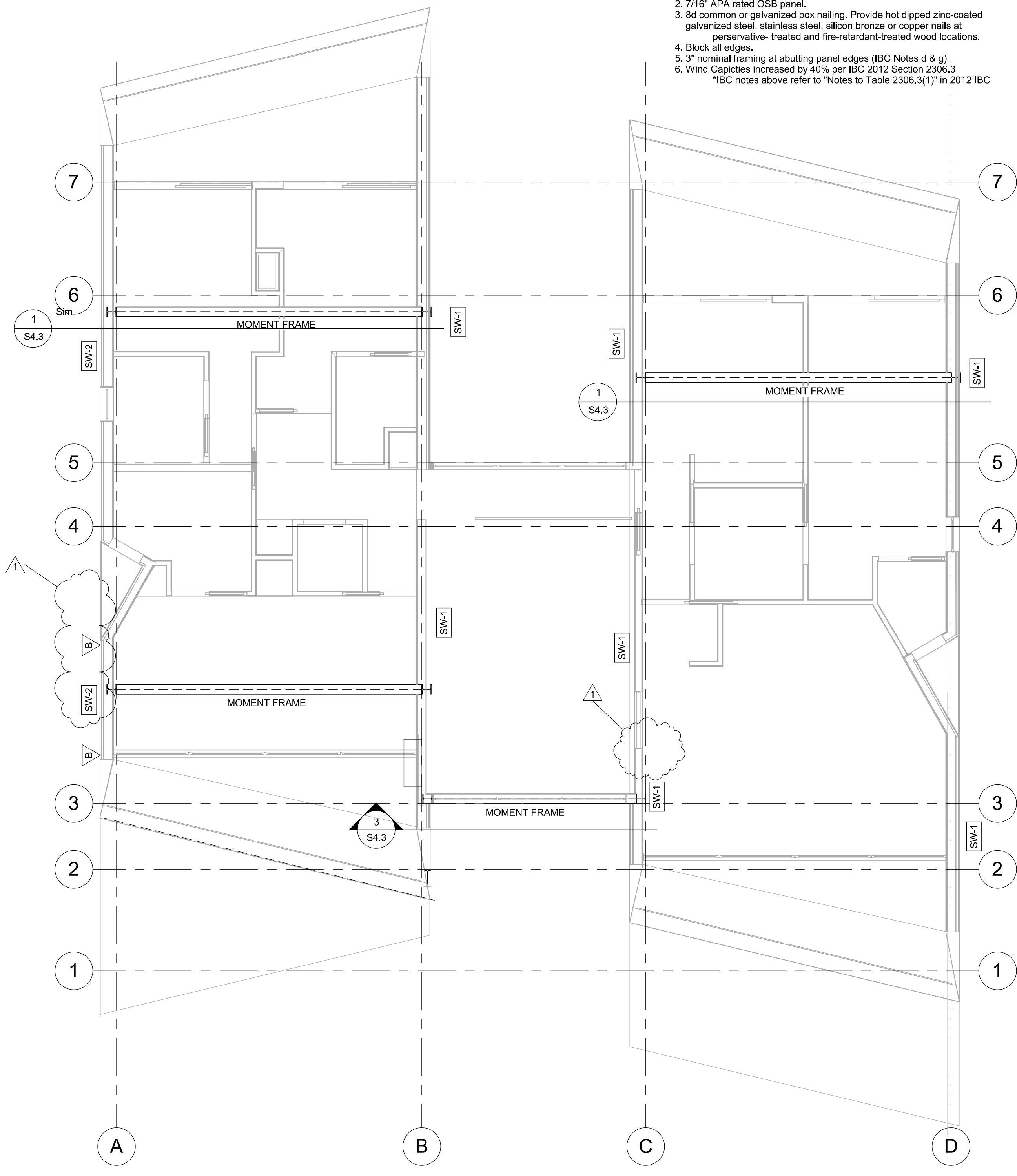
**SHEET TITLE:**  
SCHEDULES

**PLAN SET:** PERMIT **SHEET** S4.1

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① MAIN LEVEL SHEARWALL  
3/16" = 1'-0"



② UPPER LEVEL SHEARWALL  
3/16" = 1'-0"

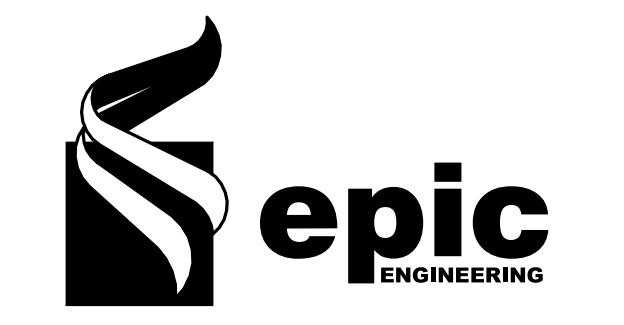
HOLD DOWN AND STRAP SCHEDULE			
MARK	HOLD DOWN	TYPE	Allow. LOAD
A	Simpson STHD10	Embedded hold down	2940 lbs
B	Simpson MSTC28	Strap Tie	1155 lbs

SHEAR WALL SCHEDULE					
MARK	EDGE	FIELD	NOTES	Vallow	
				SEISMOWIND	
SW-1	6"	12"	1,2,3,4	255	357
SW-2	4"	12"	1,2,3,4,5	395	552
SW-3	3"	12"	1,2,3,4,5	505	707
SW-4	2"	12"	1,2,3,4,5	670	937

- NOTES:
- 16" o.c. max stud spacing (AWC SDPWS-2008 Note 2)
  - 7/16" APA rated OSB panel.
  - 8d common or galvanized box nailing. Provide hot dipped zinc-coated galvanized steel, stainless steel, silicon bronze or copper nails at preservative-treated and fire-retardant-treated wood locations.
  - Block all edges.
  - 3" nominal framing at abutting panel edges (IBC Notes d & g).
  - Wind Capacities increased by 40% per IBC 2012 Section 2306.3
- \*IBC notes above refer to "Notes to Table 2306.3(1)" in 2012 IBC

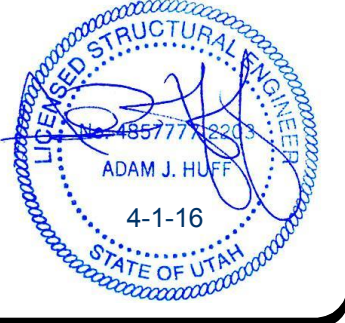
**CONSTRUCTION NOTES**

DATE  
JUNE 2015



REVISIONS		
MARK	DATE	DESCRIPTION
1	6/8/2015	Revision 1

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH  
PROJECT #  
14SM2068



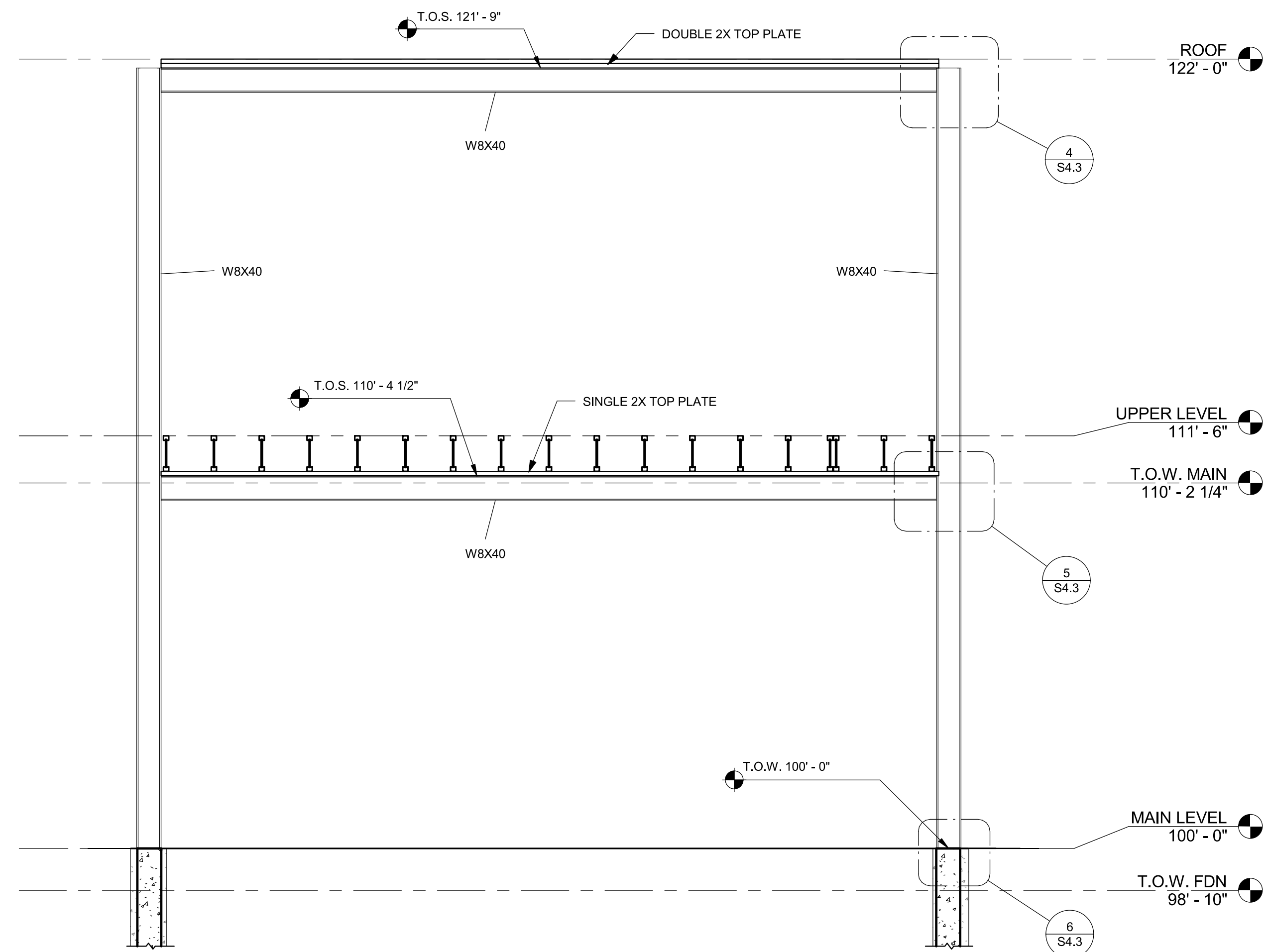
SCALES	
As indicated	

PROJECT NAME:  
**FALCONE RESIDENCE**

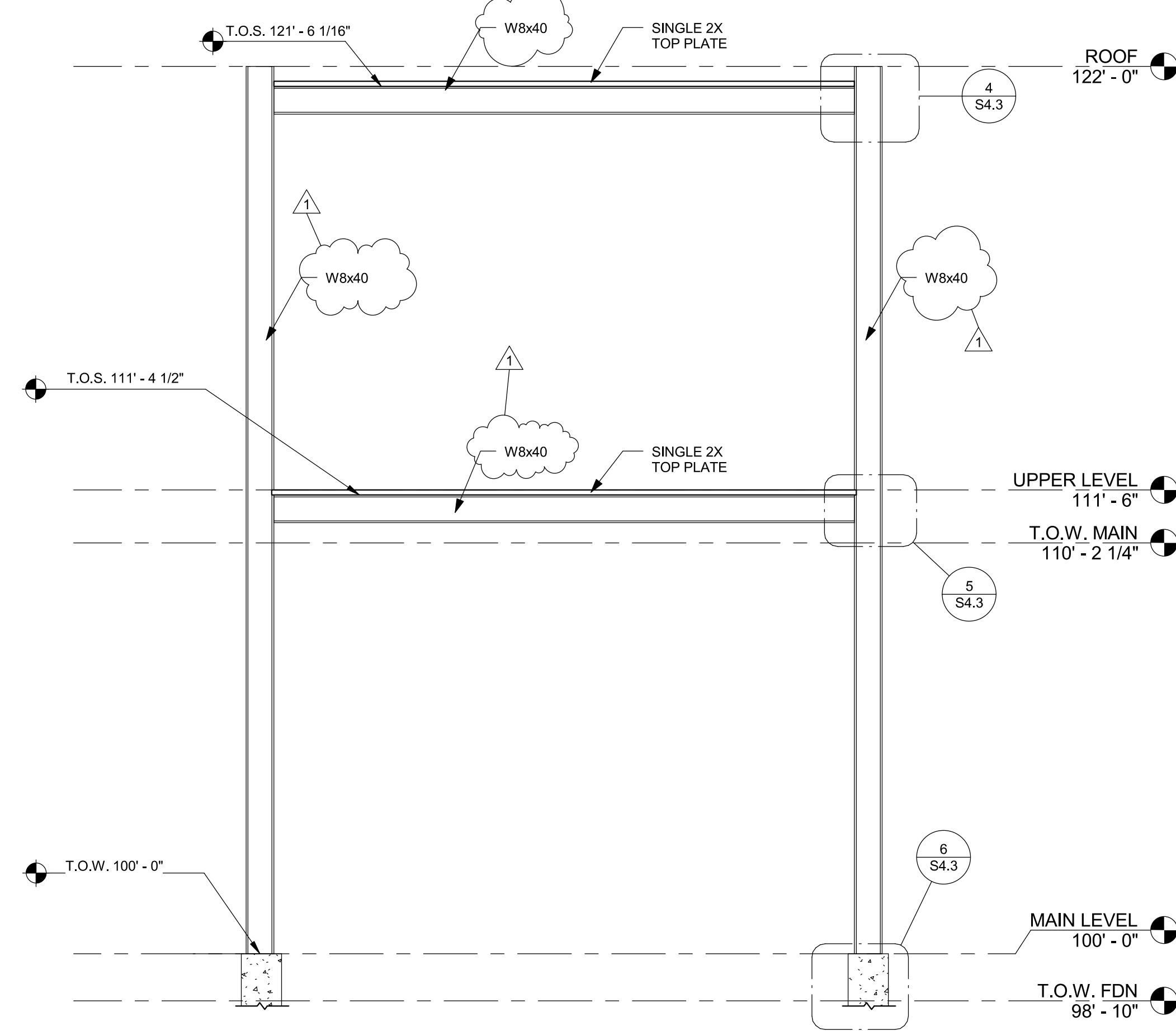
PROJECT LOCATION:  
**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

SHEET TITLE:  
**SHEARWALL PLAN**

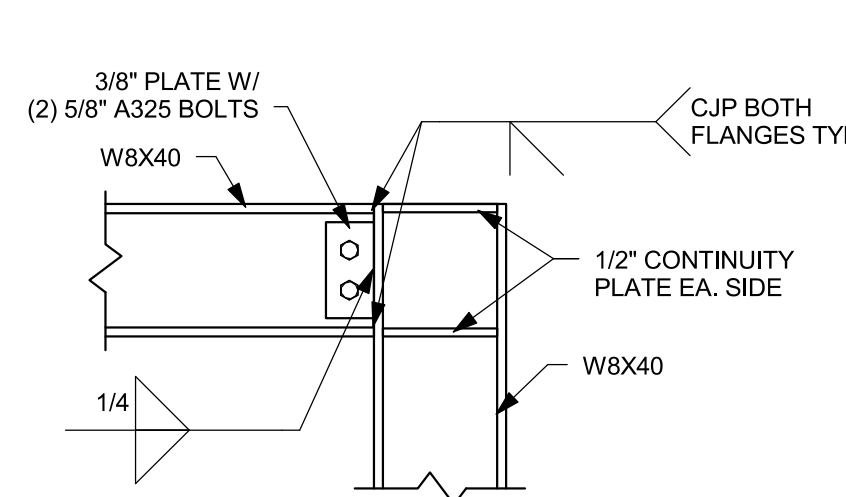
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**S4.2**



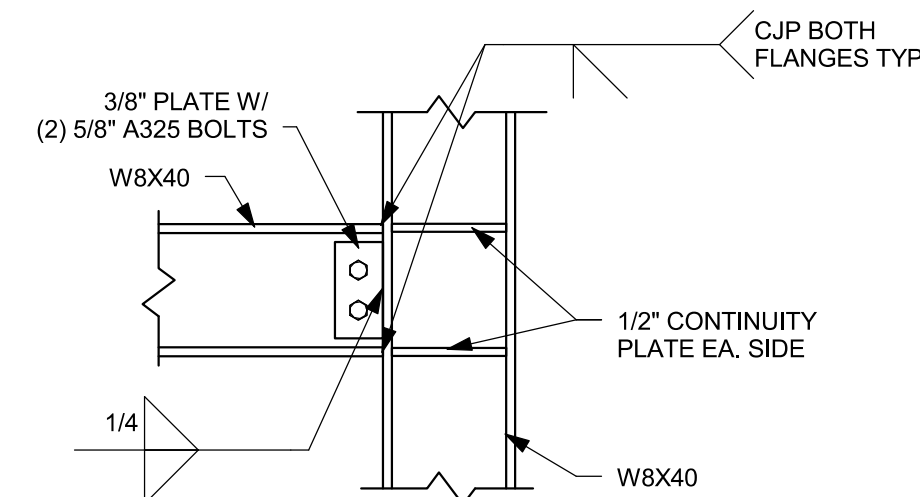
1 MOMENT FRAME ELEVATION  
3/8" = 1'-0"



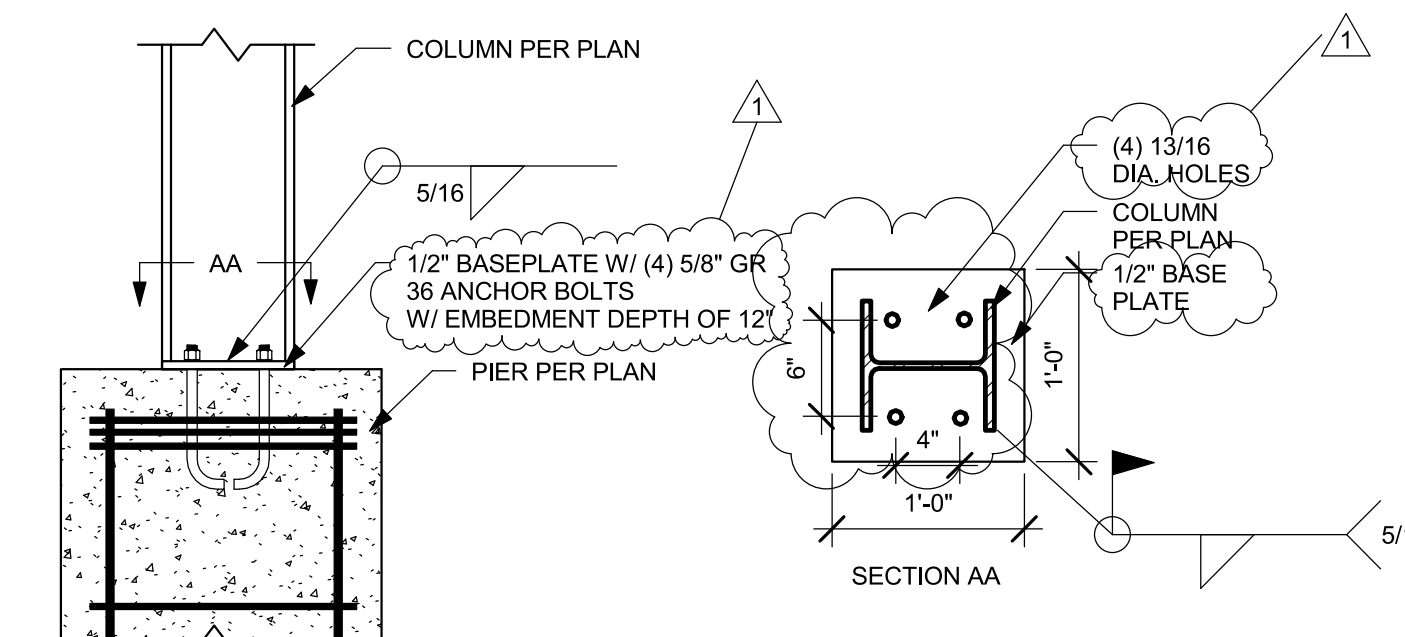
3 MOMENT FRAME ELEVATION 3  
3/8" = 1'-0"



4 MOMENT FRAME DETAIL 1  
1" = 1'-0"



5 MOMENT FRAME DETAIL 2  
1" = 1'-0"

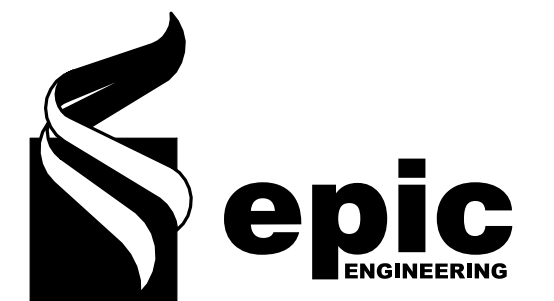


6 MOMENT FRAME DETAIL 3  
1" = 1'-0"

CONSTRUCTION NOTES

DATE

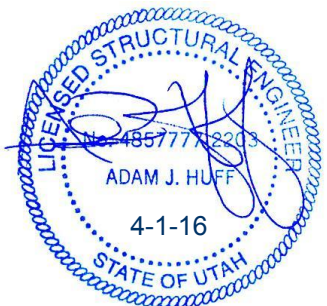
JUNE 2015



REVISIONS

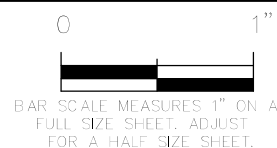
MARK	DATE	DESCRIPTION
1	6/8/2015	Revision 1

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH  
PROJECT #  
14SM2068



SCALES

As Indicated



PROJECT NAME:

FALCONE RESIDENCE

PROJECT LOCATION:

7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT

SHEET TITLE:

MOMENT FRAME  
DETAILS

PLAN SET:

PERMIT

SHEET

S4.3

**SPECIAL INSPECTION, MATERIAL TESTING  
& STRUCTURAL OBSERVATION ITEMS  
REQUIRED BY CHAPTER 17 OF THE 2012 IBC**

Indicate items requiring special inspection, structural testing, or structural observations by checking the appropriate box. All items not requiring inspection/testing should be removed from the form. For items requiring continuous inspection, a special inspector must be present onsite during the performance of that task. In most cases "periodic" inspections/tests shall be performed prior to commencing the task, intermittently during the task, and at the completion of the task. The "Detailed Instructions & Frequency" provides a description of the presumed requirements for tasks requiring "periodic" inspections. The design professional responsible should revise the requirements as needed on a project-specific basis.

**STRUCTURAL STEEL (IBC 1705.2.1, 1705.11.1 & 1705.12.2)**

Item			Detailed Instructions and Frequencies
<b>AFTER WELDING (TABLE N5.4-3, AISC 360-10):</b>			
Welds cleaned	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	Verify that welds have been properly cleaned.
Size, length, and location of welds	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	
Welds meet visual acceptance criteria	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	
Repair activities	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	
Document acceptance or rejection of welded joint/member	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	
<b>NONDESTRUCTIVE TESTING (SECTION N5.5, AISC 360-10):</b>			
CJP welds (Risk Cat. II)	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	Ultrasonic testing shall be performed on 10% of CJP groove welds in butt, T- and corner joints subject to transversely applied tension loading in materials 5/16-inch thick or greater. Testing rate must be increased if > 5% of welds tested have unacceptable defects.
<b>AFTER BOLTING (TABLE N5.6-3, AISC 360-10):</b>			
Document acceptance or rejection of bolted connections	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	
<b>OTHER STEEL INSPECTIONS (SECTION N5.7, AISC 360-10; Tables J8-1 &amp; J10-1, AISC 341-10):</b>			
Structural steel details	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	All fabricated steel or steel frames shall be inspected to verify compliance with the details shown in the construction documents, such as braces, stiffeners, member locations, and proper application of joint details at each connection.
Anchor rods and other embedments supporting structural steel	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	Shall be on the premises during the placement of anchor rods and other embedments supporting structural steel for compliance with construction documents. Verify the diameter, grade, type, and length of the anchor rod or embedded item, and the extent or depth of embedment prior to placement of concrete.
<b>STEEL ELEMENTS OF COMPOSITE CONSTRUCTION (TABLE N6.1, AISC 360-10; TABLES J9-1 thru J9-3, AISC 341-11):</b>			

Placement and installation of steel headed stud anchors	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	
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**CONCRETE CONSTRUCTION (IBC 1705.3 & 1705.12.1)**

Item			Detailed Instructions and Frequencies
Cast-in bolts & embeds	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	Inspection of anchors or embeds cast in concrete is required when allowable loads have been increased or where strength design is used.
Post-installed anchors or dowels	<input type="checkbox"/> Continuous	<input checked="" type="checkbox"/> Periodic	All post-installed anchors/dowels shall be specially inspected as required by the approved ICC-ES report.
Concrete & Shotcrete placement	<input checked="" type="checkbox"/> Continuous	<input type="checkbox"/> Periodic	

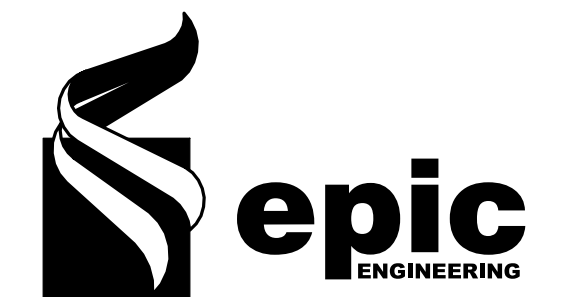
**Special Inspectors Shall:**

- Be approved by the Building Official prior to performing any duties;
- Provide proof of licensure as a special inspector by the State of Utah for each type of inspection;
- Inspection reports are to meet the requirements of IBC 1704.2.4 and DFCM standards;
- Inspection reports are to be submitted to the code consultant, architect, DFCM project manager, and the State of Utah Building Official within 48 hours of performing inspections;
- A final inspection report shall be submitted following completion of the project documenting the types of special inspections performed and a statement indicating that the structure is in compliance with the approved construction documents and applicable codes (see IBC 1704.2.4).

**CONSTRUCTION NOTES**

**DATE**

JUNE 2015



**REVISIONS**

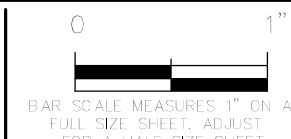
MARK	DATE	DESCRIPTION
1	6/8/2015	Revision 1

DRAWN: JKC  
DESIGNER: PW  
REVIEWED: AJH

PROJECT #

14SM2068

**SCALES**



**PROJECT NAME:**

**FALCONE RESIDENCE**

**PROJECT LOCATION:**

**7947 EAST HEARTWOOD DRIVE  
WEBER COUNTY, UT**

**SHEET TITLE:**

**SPECIAL INSPECTIONS**

**PLAN SET:**

**PERMIT**

**SHEET**

**S5.0**