

- NOTE:
- ALL FOUNDATION BEDS TO HAVE METAL EDGING
  - CARL FOERESTER GRASSES SPACED AS SHOWN ON PLANS
  - POTENTILLA BUSHES SPACED AS SHOWN ON PLANS

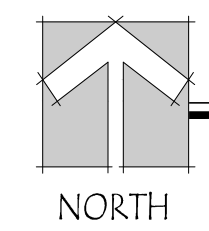
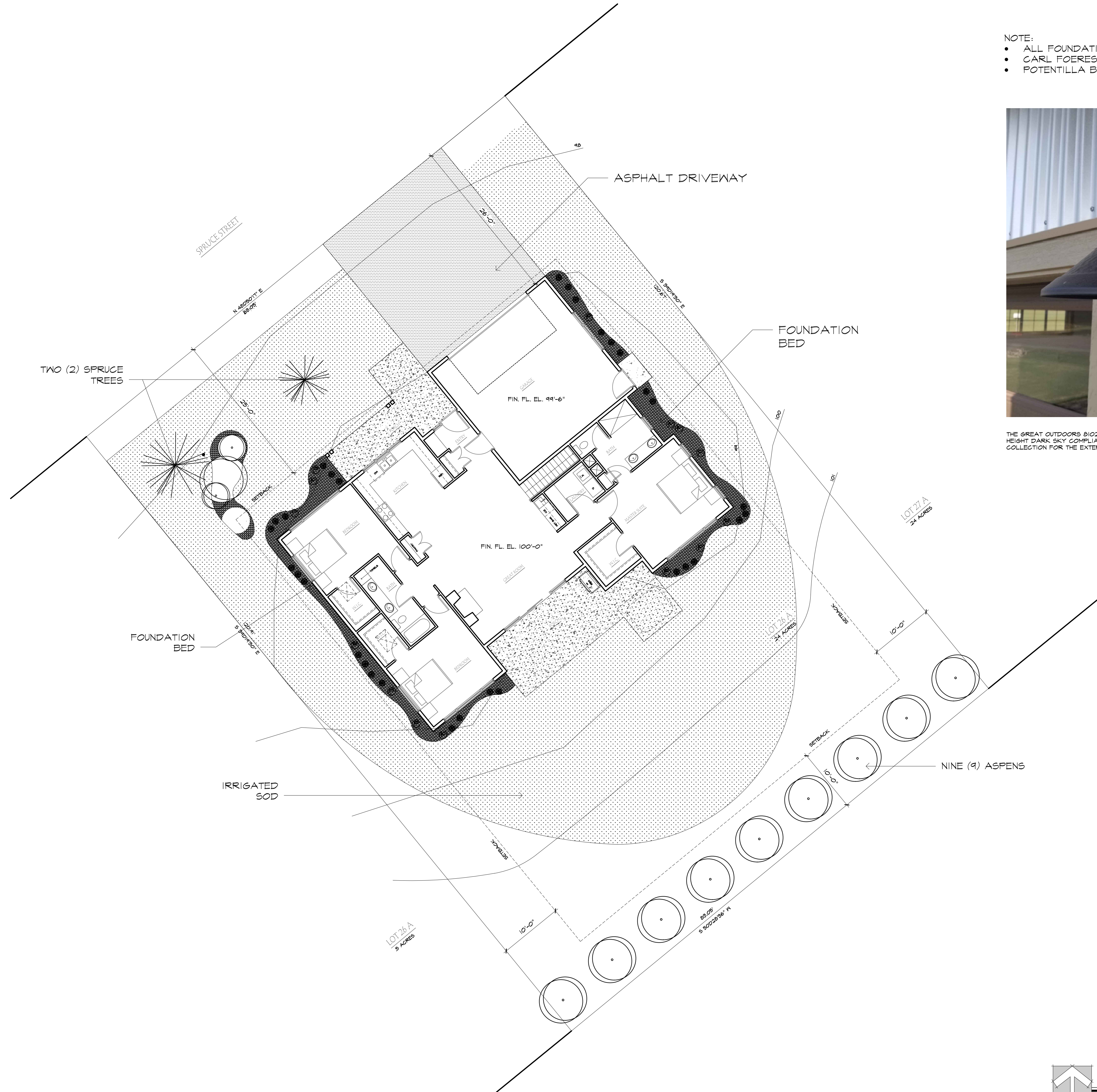


THE GREAT OUTDOORS B102-A189 HAMMERED ASPEN BRONZE 1 LIGHT 6.5" HEIGHT DARK-SKY COMPLIANT OUTDOOR WALL SCONCE FROM THE KIRKHAM COLLECTION FOR THE EXTERIOR LIGHTINGS

TYPICAL FOUNDATION		
T	TAM JUNIPER JUNIPERUS SABINA VITAMAE TAMARISCIFOLIA	2.1/2' x 6'
TECHNY	TECHNY ARBORVITAE	10" - 24" 4' x 6'
P	POTENTILLA CORONATION TRIUMPH POTENTILLA "C.T."	3' x 3' 2.1/2' - 3'
A	ALPINE CURRANT RIBES ALPINUM	4' x 4' 15" - 18"
C	COTONEASTER COTONEASTER ACUTIFOLIA	15" - 18"
RTC	ROSE TREE OF CHINA FRUNSTRIOBA	6' - 8' 18" - 24"
SP	GOLD FLAME SPIREA SPIRAEA BIMALDA "GOLD FLAME" OR LITTLE PRINCESS SPIRAEA SPIRAEA BIMALDA "L.P."	2' x 3' 10" - 24" 2' x 2' 12" - 15"
KF6	KARL FOERSTER GRASS CALAMAGROSTIS ACUTIFLORA	3' TO 5' 18" x 30"
DHC	DWARF HIGHBUSH CRANBERRY VIBURNUM TRILOBUM "COMPACTUM"	4' x 4' 12" - 15"
	EXISTING HEDGE	12" - 15"

TREE LEGEND		
	COLORADO SPRUCE PICEA PUNGENS	50 - 60'
PA	PATMORE ASH FRAXINUS PENNSYLVANICA "PATMORE"	5' - 10' B+B 50 - 60'
	CLUMP BIRCH BETULA PAPPYRITERA	1-1/2" - 2" 30 - 40'
SM	SUGAR MAPLE ACER SACCHARUM	1-1/2" - 2" 60 - 70'
PM	SCHWEDLER MAPLE ACER FLATANOIDES "SCHWEDLER"	1-1/2" - 2" 40 - 45'
	QUAKING ASPEN PAPULUS TREMULOIDES	1-1/2" - 2" 30 - 40'
CC	COTTONLESS COTONWOOD POPULUS X'BROOKS' OR EQUAL	1-1/2" - 2" 50 - 60'
CRAB	RADIANT OR SPRING SNOW CRAB (MALUS "RADIANT" OR MALUS "SPRING SNOW")	1 1/4" 15 - 20'
CR	CANADA RED CHERRY FRUNUS VIRGINIANA "CANADA RED"	1 TO 1 1/4" 50 - 60'
	EXISTING TREES TO REMAIN	1 TO 1 1/4"

- INSTALL UNDERGROUND TIMED AUTOMATIC LAWN SPRINKLER SYSTEM
- SOD AREAS TO BE KEPT TO MINIMUM FOR WATER CONSERVATION CONCERNS LIMITED TO FOUNDATION PLANTING AREAS
- NATIVE GRASSES TO BE PLANTED IN THE ROAD DITCH AND MAINTAINED
- PROVIDE PUBLIC SAFETY PROTECTION ON THE SIDE OF THE BLEDDING HILL DURING CONSTRUCTION



SITE PLAN

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

- FURNACE TO BE LOCATED IN THE CRAWL SPACE

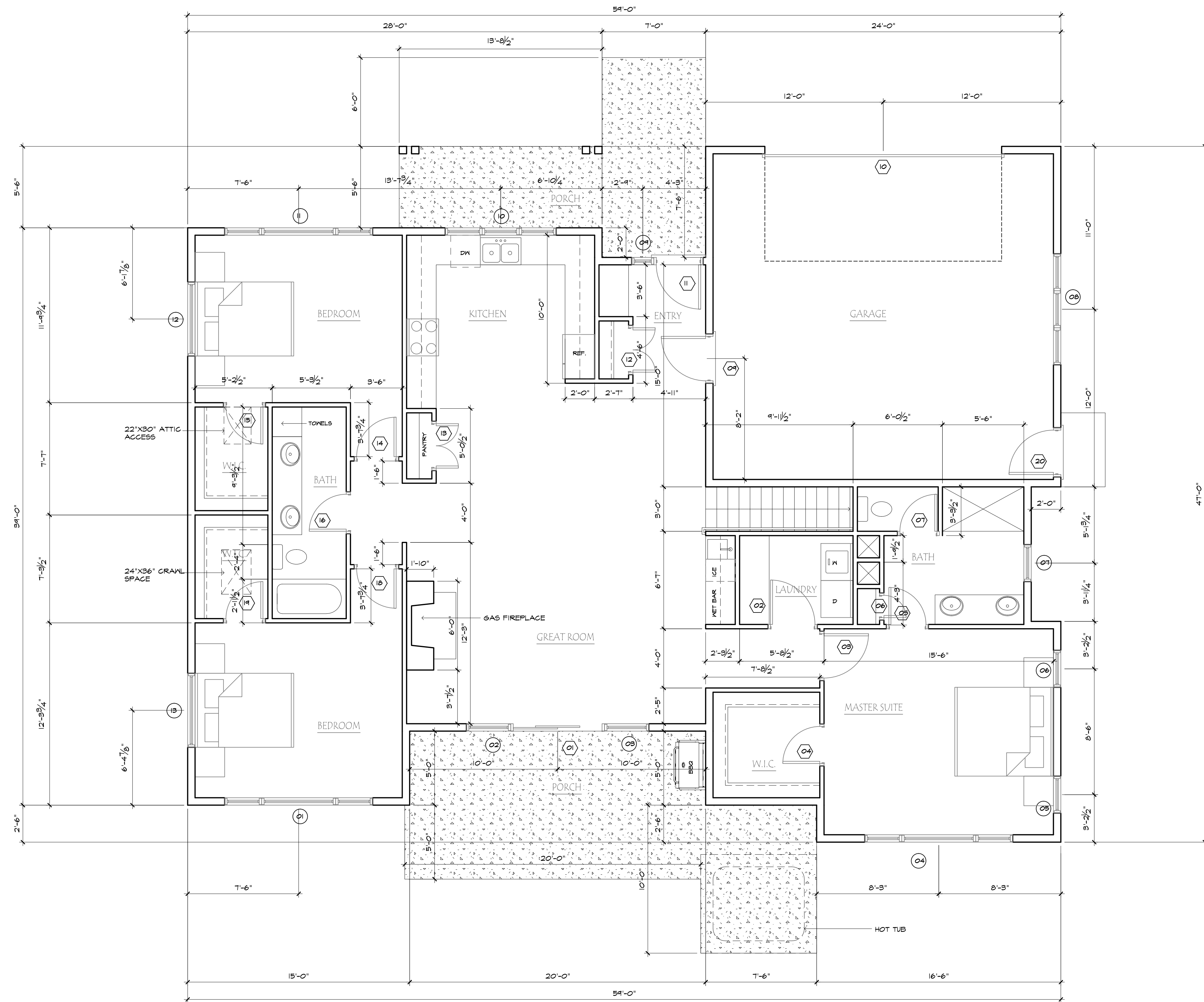
AREAS:	
MAIN LEVEL	1,752 SF
BONUS ROOM	124 SF
GARAGE	516 SF

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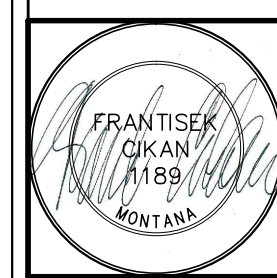
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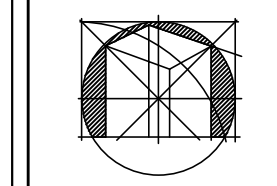


**MAIN FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

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**RESIDENCE**  
556 SPRUCE CONE DRIVE, LOT 26A  
SOUTH FORK SUBDIVISION, BIG SKY, MONTANA

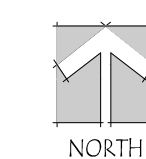
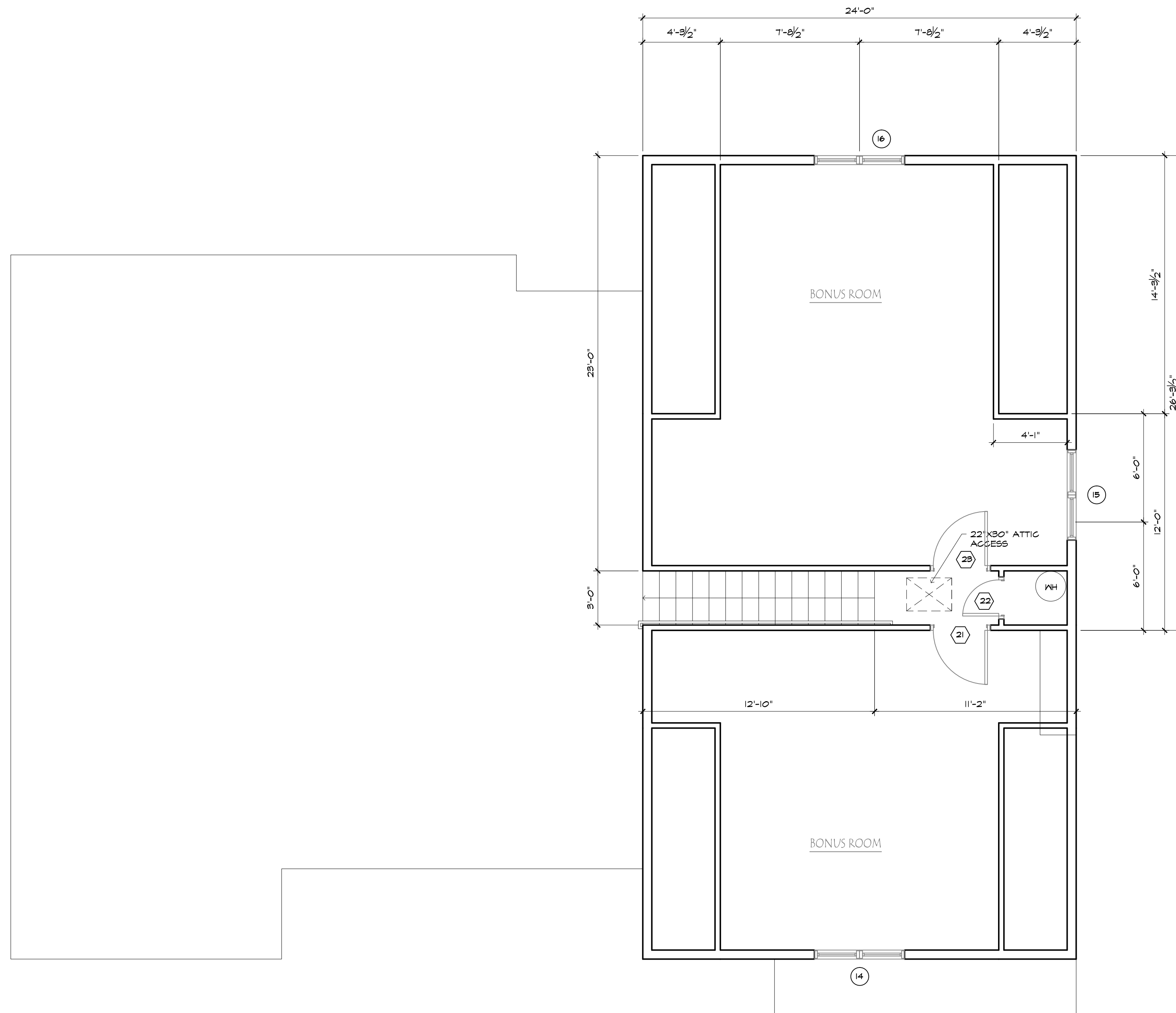


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FLOOR PLAN

**A1**



UPPER  
FLOOR PLAN

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

DATE  
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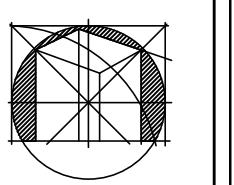
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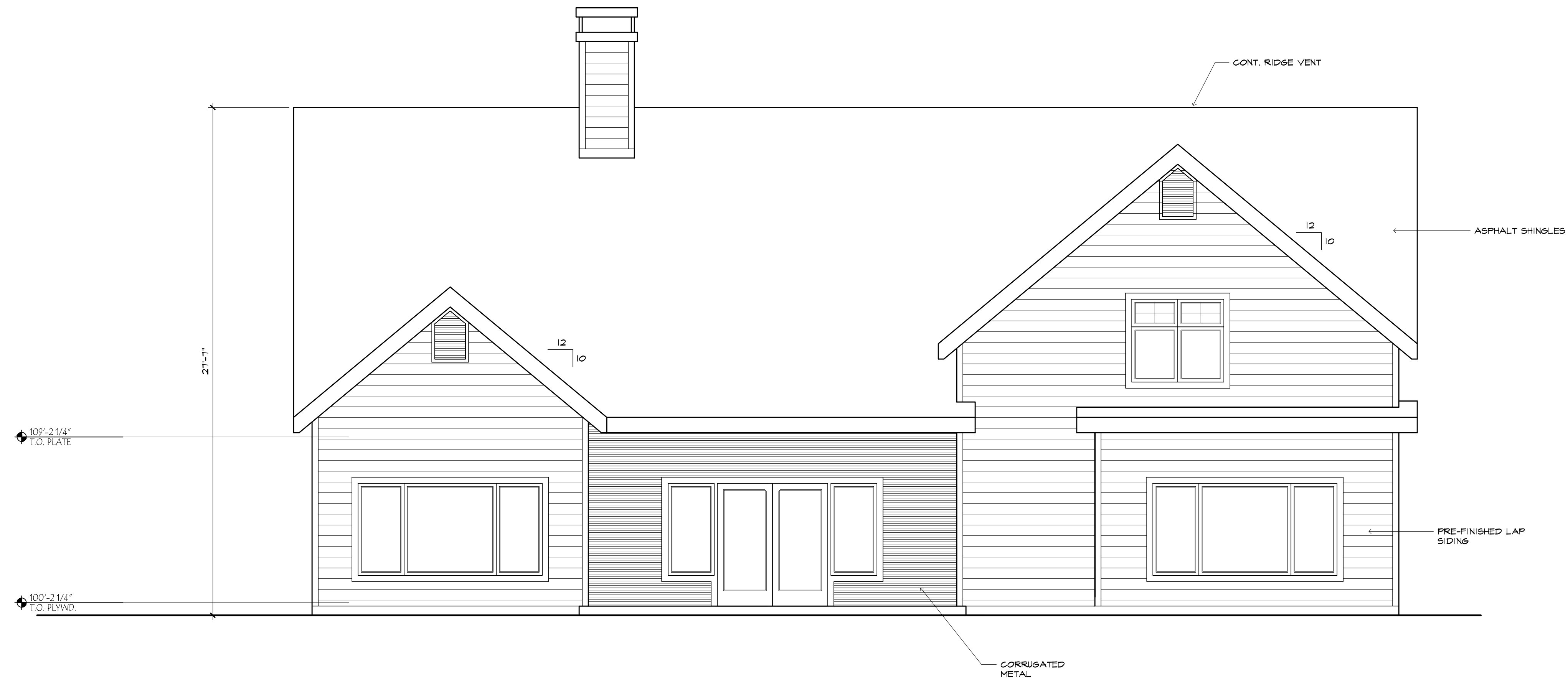
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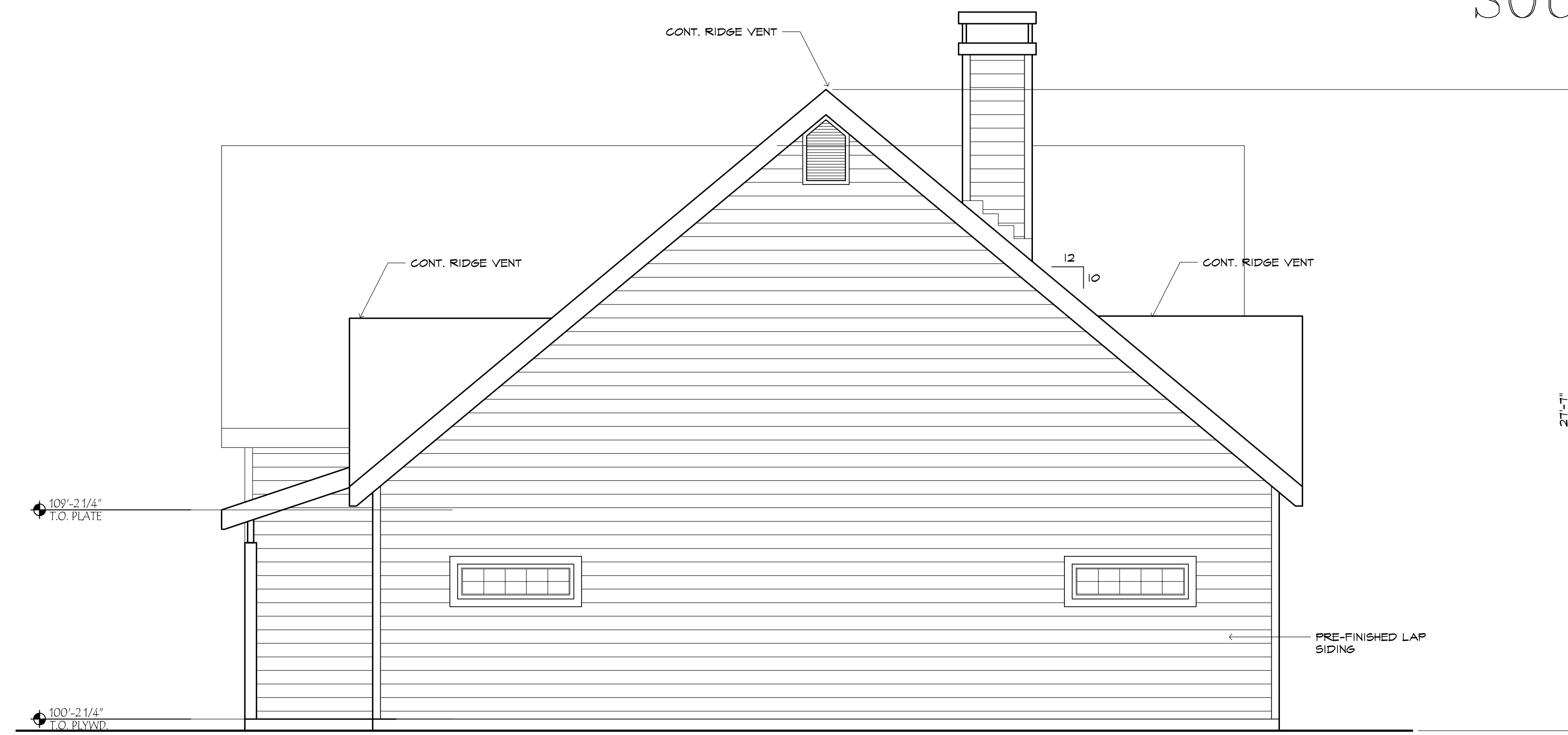
FLOOR PLAN

A2

NOTE:  
• ALL WINDOWS TO BE BLACK GLAD COLOR



SOUTH



WEST

# ELEVATIONS

SCALE: 1/4" = 1'-0"

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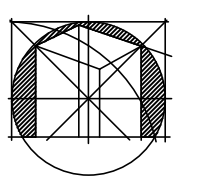
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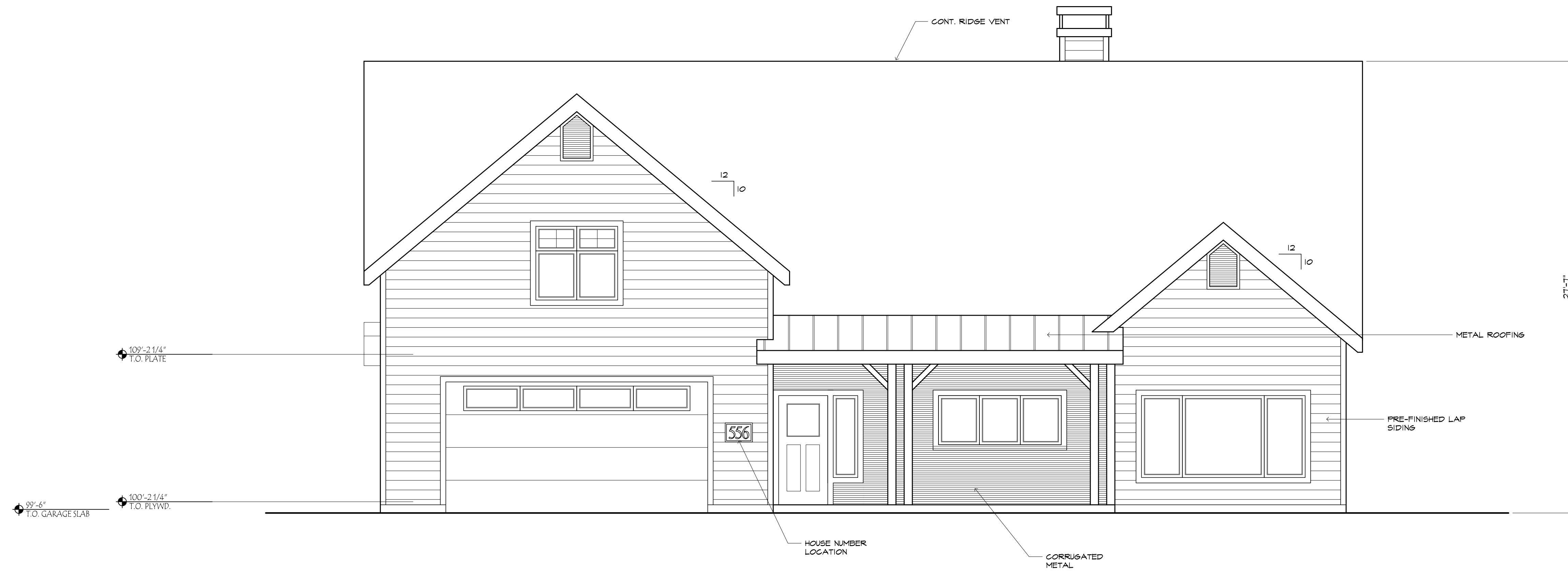


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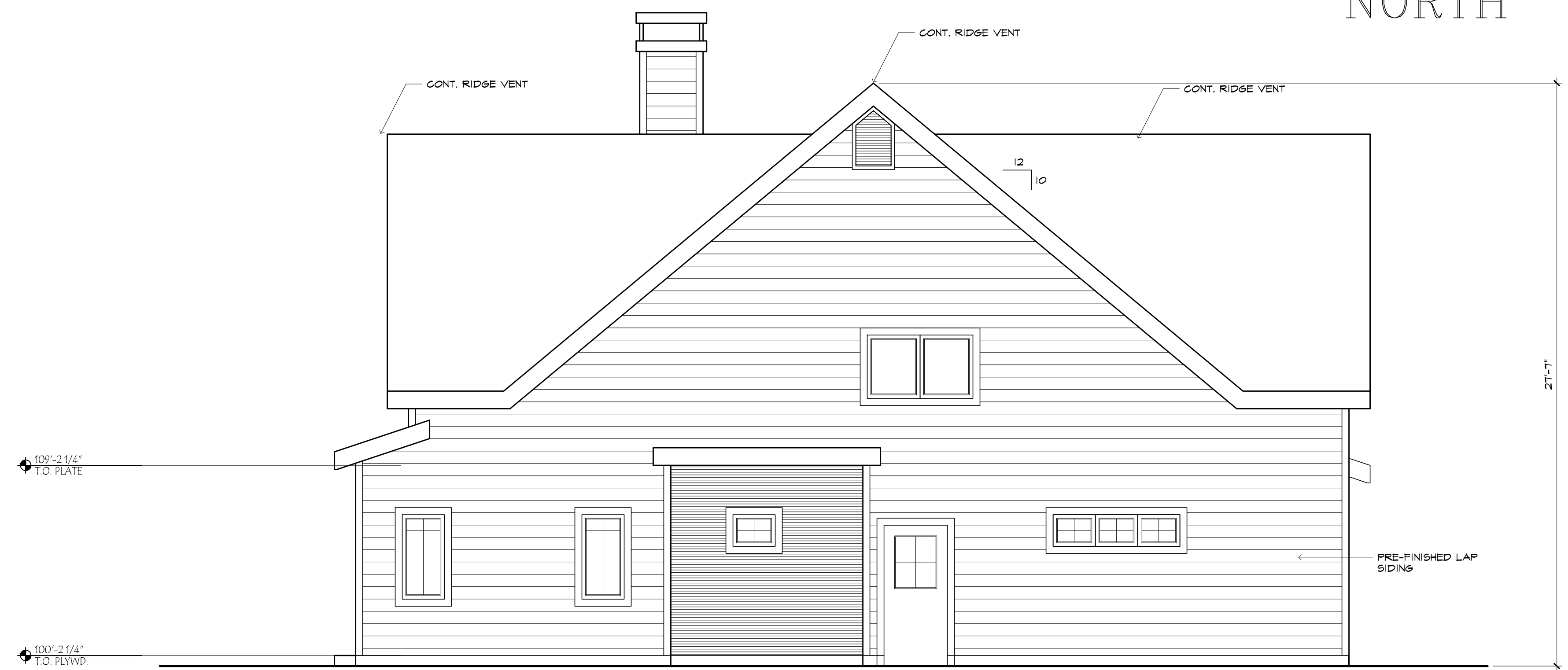


ELEVATIONS

A3



NORTH



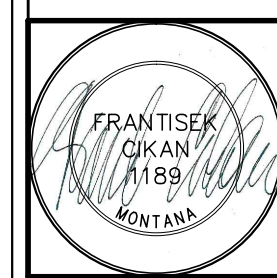
EAST

ELEVATIONS

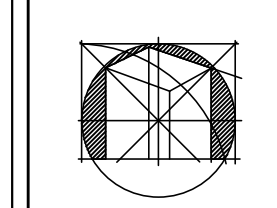
SCALE: 1/4" = 1'-0"

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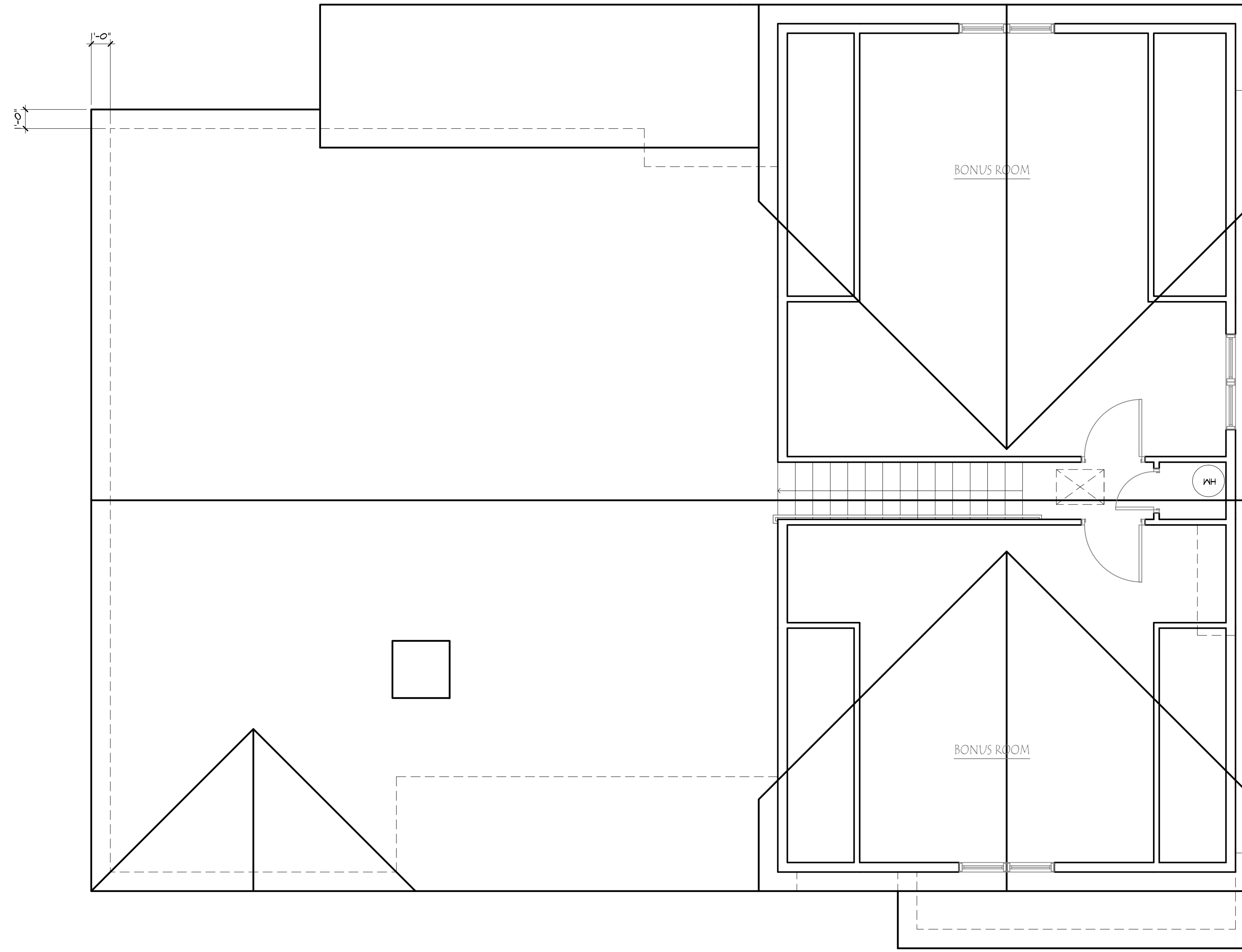


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ELEVATIONS

A4



# ROOF PLAN

SCALE: 1/4" = 1'-0"

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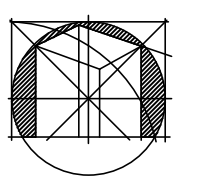
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ROOF  
PLAN

A5

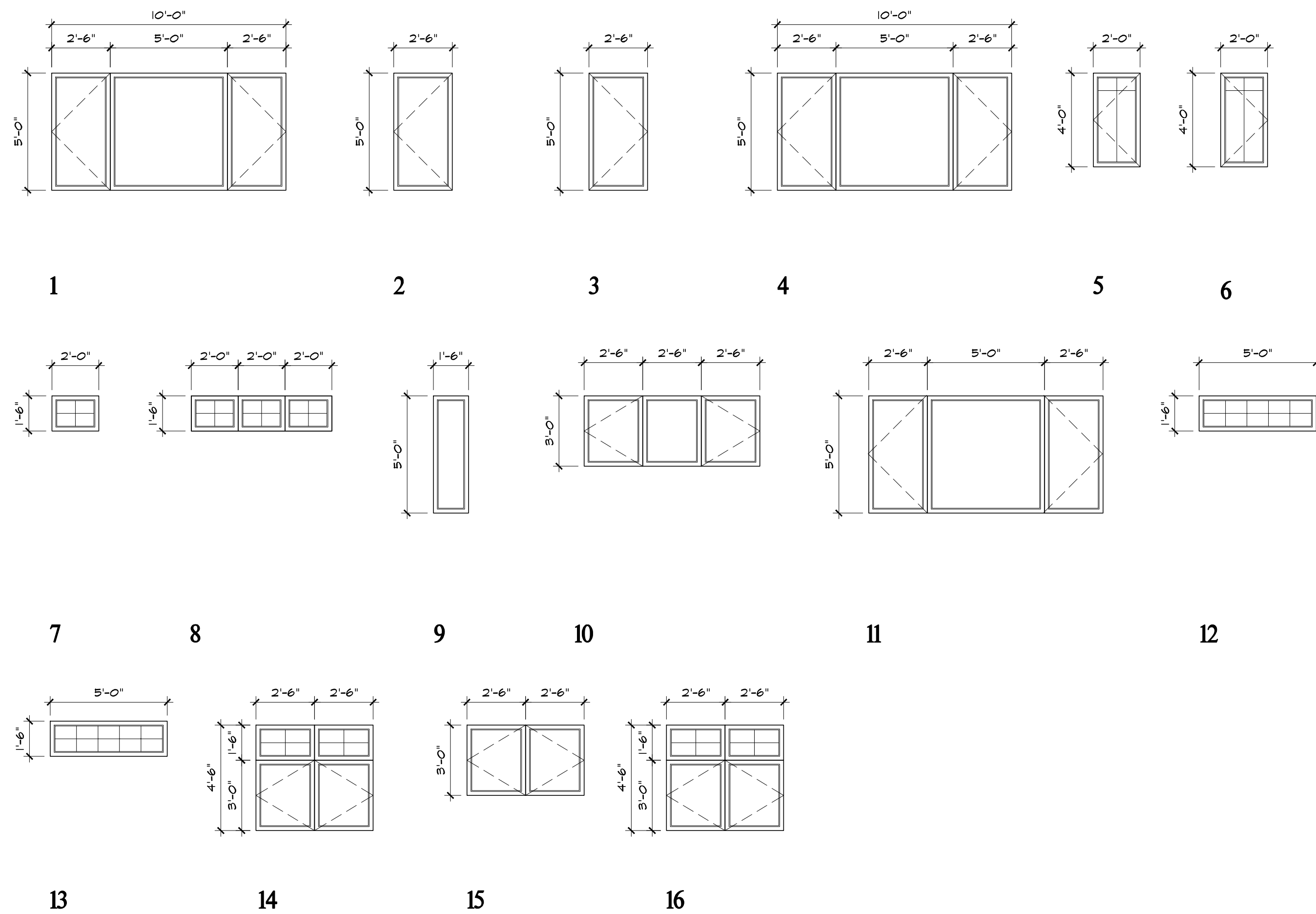
## WINDOW SCHEDULE

NO.	ROOM NO. ROOM NAME	CATALOG NUMBER	FRAME SIZE (W x H)	TRANSOM CAT. NO.	FRAME SIZE (W x H)	ROUGH OPENING (W x H)	SCREENS	HEAD HT.	WINDOW TYPE	REMARKS
1	BEDROOM		2'-6"X5'-0" 5'-0"X5'-0" 2'-6"X5'-0"			10'-0 3/4"X5'-0 3/4"	Y/N/Y	6'-10"	C/F/C	
2	GREAT ROOM		2'-6"X5'-0"			2'-6 3/4"X5'-0 3/4"	Y	6'-10"	C	
3	GREAT ROOM		2'-6"X5'-0"			2'-6 3/4"X5'-0 3/4"	Y	6'-10"	C	
4	MASTER SUITE		2'-6"X5'-0"			10'-0 3/4"X5'-0 3/4"	Y/N/Y	6'-10"	C/F/C	
5	MASTER SUITE		2'-0"X4'-0"			2'-0 3/4"X4'-0 3/4"	Y	6'-10"	C	
6	MASTER SUITE		2'-0"X4'-0"			2'-0 3/4"X4'-0 3/4"	Y	6'-10"	C	
7	BATH		2'-0"X1'-6"			2'-0 3/4"X1'-6 3/4"	Y	6'-10"	C	
8	GARAGE		2'-0"X1'-6" (3)			6'-0 3/4"X1'-6 3/4"	N/N/N	6'-10"	F/F/F	
9	ENTRY		1'-6"X5'-0"			1'-6 3/4"X5'-0 3/4"	N	6'-10"	F	
10	KITCHEN		2'-6"X3'-0" (3)			7'-6 3/4"X3'-0 3/4"	Y/N/Y	6'-10"	C/F/C	
11	BEDROOM		2'-6"X5'-0" 5'-0"X5'-0" 2'-6"X5'-0"			10'-0 3/4"X5'-0 3/4"	Y/N/Y	6'-10"	C/F/C	
12	BEDROOM		5'-0"X1'-6"			5'-0 3/4"X1'-6 3/4"	N	6'-10"	F	
13	BEDROOM		5'-0"X1'-6"			5'-0 3/4"X1'-6 3/4"	N	6'-10"	F	
14	BONUS ROOM		2'-6"X3'-6" (2)	2'-6"X1'-6" (2)		5'-0 3/4"X3'-0 3/4"	Y/Y/N/N	7'-0"	C/C	
15	BONUS ROOM		2'-6"X3'-6" (2)			5'-0 3/4"X3'-6 3/4"	Y/Y	7'-0"	C/C	
16	BONUS ROOM		2'-6"X3'-6" (2)	2'-6"X1'-6" (2)		5'-0 3/4"X3'-0 3/4"	Y/Y/N/N	7'-0"	C/C	

### NOTES:

WINDOW SUPPLIER WILL FIELD VERIFY FINAL ROUGH OPENING PRIOR TO ORDERING WINDOWS.  
 WINDOW WOOD SPECIES TO BE PINE.  
 GLASS TO BE ZOE SHIELD TYPE, DOUBLE GLAZED.  
 EXTERIOR CLAD WILL BE ALUMINUM, COLOR BLACK.  
 ALL HEADER HEIGHTS TO BE FROM FINISH FLOOR  
 REFER TO WINDOW TYPES FOR THE WINDOW COMBINATIONS AND WHICH WINDOWS ARE OPENABLE.

### WINDOW STYLES



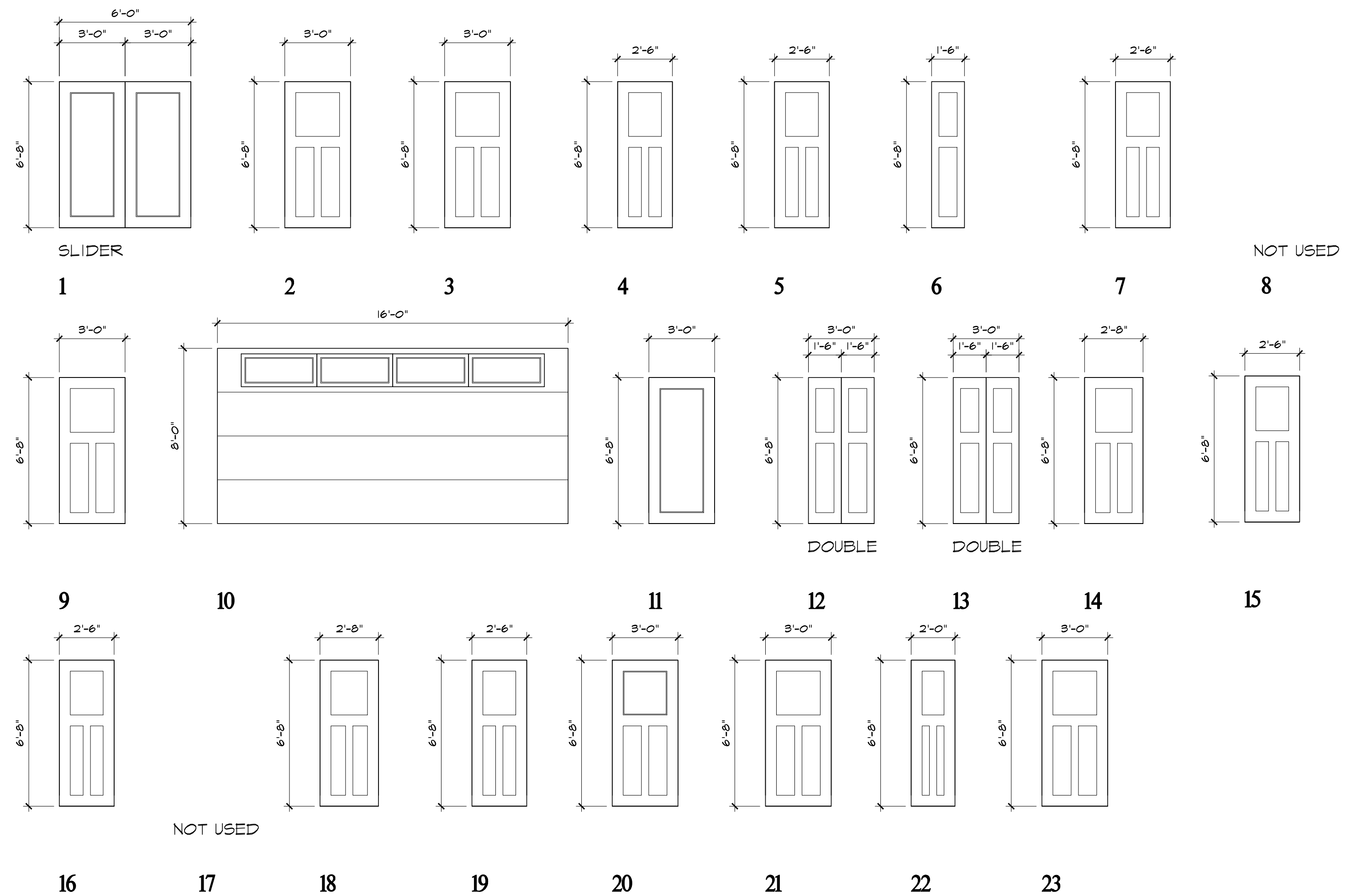
## DOOR SCHEDULE

NO.	ROOM NO. ROOM NAME	CATALOG NUMBER	FRAME SIZE (W x H)	TRANSOM CAT. NO.	FRAME SIZE (W x H)	ROUGH OPENING (W x H)	SCREENS	HEAD HT.	REMARKS
01	GREAT ROOM		6'-0"X6'-8"			6'-2 1/2"X6'-10 1/2"		6'-10 1/2"	SLIDER
02	LAUNDRY		3'-0"X6'-8"			3'-2 1/2"X6'-10"		6'-10"	
03	MASTER SUITE		3'-0"X6'-8"			3'-2 1/2"X6'-10"		6'-10"	
04	N.I.C.		2'-6"X6'-8"			2'-8 1/2"X6'-10"		6'-10"	
05	BATH		2'-6"X6'-8"			2'-8 1/2"X6'-10"		6'-10"	
06	BATH		3'-0"X6'-8"			3'-2 1/2"X6'-10"		6'-10"	
07	BATH		2'-6"X6'-8"			2'-8 1/2"X6'-10"		6'-10"	
08	NOT USED								
09	GARAGE		3'-0"X6'-8"			3'-0 3/4"X6'-10"		6'-10"	
10	GARAGE		16'-0"X8'-0"			16'-0"X8'-0"		8'-0"	SECTIONAL OVERHEAD INSULATED DOOR
11	ENTRY		3'-0"X6'-8"			3'-2 1/2"X6'-10 1/2"		6'-10 1/2"	
12	ENTRY		3'-0"X6'-8"			3'-2 1/2"X6'-10"		6'-10"	DOUBLE SWING
13	PANTRY		3'-0"X6'-8"			3'-2 1/2"X6'-10"		6'-10"	DOUBLE SWING
14	BEDROOM		2'-8"X6'-8"			2'-10 1/2"X6'-10"		6'-10"	
15	N.I.C.		2'-6"X6'-8"			2'-8 1/2"X6'-10"		6'-10"	
16	BATH		2'-6"X6'-8"			2'-8 1/2"X6'-10"		6'-10"	
17	BATH		1'-0"X6'-8"			1'-2 1/2"X6'-10"		6'-10"	
18	BEDROOM		2'-8"X6'-8"			2'-10 1/2"X6'-10"		6'-10"	
19	N.I.C.		2'-6"X6'-8"			2'-8 1/2"X6'-10"		6'-10"	
20	GARAGE		3'-0"X6'-8"			3'-2 1/2"X6'-10 1/2"		6'-10 1/2"	
21	BONUS ROOM		3'-0"X6'-8"			3'-2 1/2"X6'-10"		6'-10"	
22	BONUS ROOM		2'-0"X6'-8"			2'-2 1/2"X6'-10"		6'-10"	
23	BONUS ROOM		3'-0"X6'-8"			3'-2 1/2"X6'-10"		6'-10"	

### NOTES:

- NOTE 1.  
 VERIFY ALL THE OPENINGS FOR THE DOOR ASSEMBLIES PRIOR TO ORDERING
- NOTE 2.  
 OVERHEAD SECTIONAL DOORS TO BE STEEL INSULATED SECTIONAL DOOR WITH 1/2HP DOOR OPENER

### DOOR STYLES



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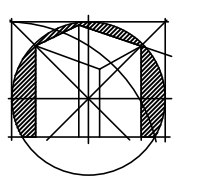
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SKIS & PEDALS LLC  
**RESIDENCE**  
 556 SPRUCE CONE DRIVE, LOT 26A  
 SOUTH FORK SUBDIVISION, BIG SKY, MONTANA



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WINDOW  
 DOOR  
 SCHEDULE

**A6**

NOTE:  
ALL COUNTER RECEPTACLES AT KITCHEN COUNTER TO BE GFI

DIRECT ARC FAULT CIRCUIT INTERRUPTER (DAFI) PROTECTION IN ALL BEDROOMS, FAMILY ROOM, DINING ROOM, LIVING ROOM, CLOSETS, HALLWAY OR SIMILAR ROOMS.

PROVIDE A CIRCUIT FOR THE FURNACE IN THE CRAWL SPACE

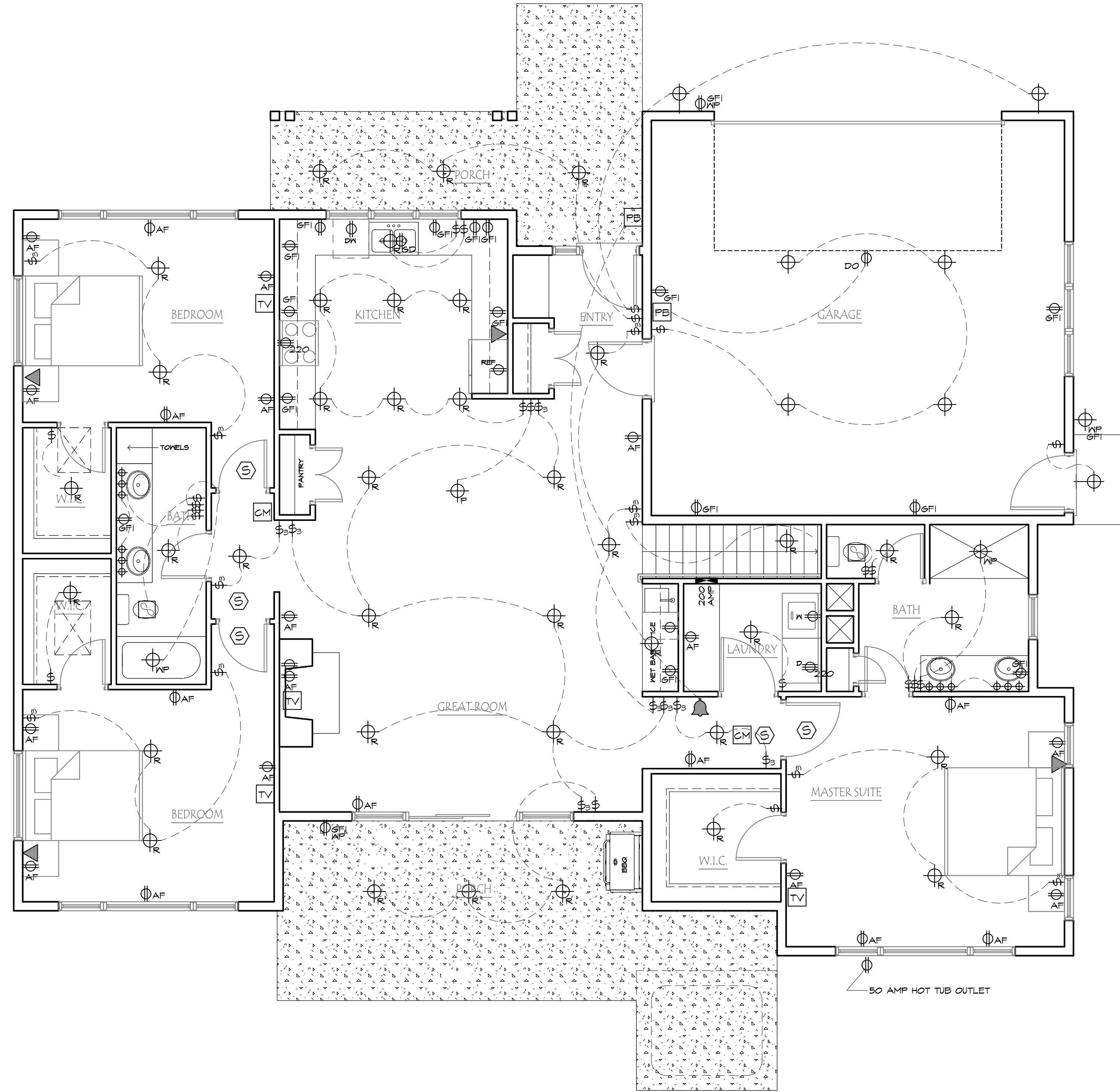
PROVIDE PORCELAIN SOCKETS (6 TOTAL) WITH BULBS IN THE CRAWL SPACE FOR ADEQUATE LIGHTING

PROVIDE GROUNDING ROD FOR THE MAIN DISCONNECT PANEL IN THE FOUNDATION

R314.3: SMOKE ALARMS SHALL BE INSTALLED IN THE FOLLOWING LOCATIONS:

1. IN EACH SLEEPING ROOM
2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS
3. ON EACH ADDITIONAL STORY OF DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL PROVIDED THAT THE LOWER LEVEL IS LESS THAN FULL STORY BELOW THE UPPER LEVEL.

R315.1: CARBON MONOXIDE ALARMS. FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES.



ELECTRICAL SCHEDULE	
SYM.	DESCRIPTION
⊕	SWITCH
⊕ <sub>3</sub>	3-WAY SWITCH
⊕ <sub>T</sub>	TIMER SWITCH
⊕ <sub>DM</sub>	DIMMER SWITCH
⊕ <sub>D</sub>	DOOR ACTIVATED SWITCH
⊕ <sub>2</sub>	DUPLEX OUTLET (CHFI)
⊕ <sub>S</sub>	SWITCHED DUPLEX OUTLET
⊕ <sub>20</sub>	DUPLEX @ SPECIAL HEIGHT
⊕ <sub>F</sub>	FLOOR DUPLEX OUTLET
⊕ <sub>WF</sub>	WATERPROOF DUPLEX
⊕ <sub>GFI</sub>	GROUND FAULT INTERRUPT
⊕ <sub>AF</sub>	ARC FAULT
⊕ <sub>L</sub>	FLOOR OUTLET
⊕ <sub>220</sub>	220 VOLT OUTLET
⊕ <sub>T</sub>	TELEPHONE
⊕ <sub>B</sub>	DOOR BELL
⊕ <sub>FL</sub>	FAN/LIGHT
⊕ <sub>HL</sub>	HEAT LAMP
⊕ <sub>EF</sub>	EXHAUST FAN
⊕ <sub>SM</sub>	SURFACE MOUNTED FIXTURE
⊕ <sub>H</sub>	HANGING PENDANT
⊕ <sub>R</sub>	RECESSED FIXTURE
⊕ <sub>WF</sub>	WATERPROOF RECESSED FIXTURE
⊕ <sub>W</sub>	RECESSED, WALL WASH-LOW VOLT.
⊕ <sub>S</sub>	WALL SCONCE
⊕ <sub>L</sub>	LOW VOLTAGE CABLE LIGHTING
⊕ <sub>M</sub>	MIRROR LIGHT
⊕ <sub>UL</sub>	UNDERCOUNTER LIGHT
⊕ <sub>B</sub>	EMERGENCY LIGHTING - BATTERY
⊕ <sub>TV</sub>	TELEVISION
⊕ <sub>PB</sub>	PUSH BUTTON
⊕ <sub>S</sub>	SMOKE DETECTOR
⊕ <sub>C</sub>	CEILING FAN FIXTURE
⊕ <sub>T</sub>	THERMOSTAT
⊕ <sub>SS</sub>	SECURITY SYSTEM
⊕ <sub>1</sub>	1'X4' FLUORESCENT LIGHT FIXTURE
⊕ <sub>2</sub>	2'X4' FLUORESCENT LIGHT FIXTURE
⊕ <sub>S</sub>	SPEAKER
⊕ <sub>ESP</sub>	ELECTRICAL SERVICE PANEL
⊕ <sub>CR</sub>	CONCEALED ROPE LIGHT
⊕ <sub>CM</sub>	CARBON MONOXIDE MONITOR

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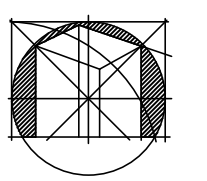
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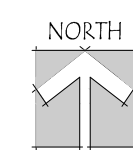


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ELECTRICAL  
LAYOUT PLAN

E1



# ELECTRICAL LAYOUT MAIN LEVEL

SCALE : 1 / 4 " = 1 ' - 0 "



NOTE:  
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DIRECT ARC FAULT CIRCUIT INTERRUPTER (DAFI) PROTECTION IN ALL BEDROOMS, FAMILY ROOM, DINING ROOM, LIVING ROOM, CLOSETS, HALLWAY OR SIMILAR ROOMS.

PROVIDE A CIRCUIT FOR THE FURNACE IN THE CRAWL SPACE

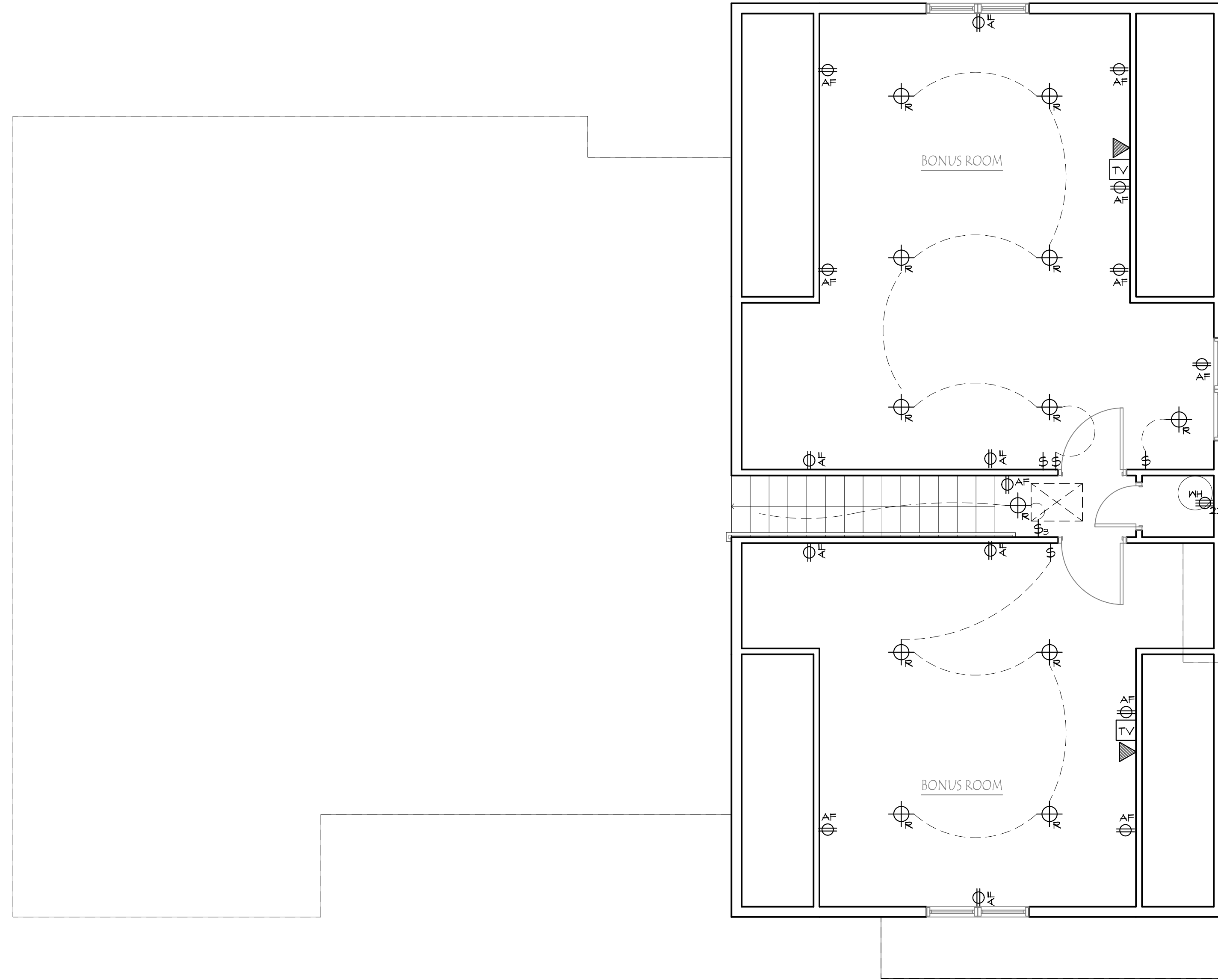
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2. OUTSIDE EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS
3. ON EACH ADDITIONAL STORY OF DWELLING, INCLUDING BASEMENTS AND HABITABLE ATTICS. IN DWELLINGS OR DWELLING UNITS WITH SPLIT LEVELS AND WITHOUT AN INTERVENING DOOR BETWEEN THE ADJACENT LEVELS, A SMOKE ALARM INSTALLED ON THE UPPER LEVEL SHALL SUFFICE FOR THE ADJACENT LOWER LEVEL PROVIDED THAT THE LOWER LEVEL IS LESS THAN FULL STORY BELOW THE UPPER LEVEL.

R315.1: CARBON MONOXIDE ALARMS. FOR NEW CONSTRUCTION, AN APPROVED CARBON MONOXIDE ALARM SHALL BE INSTALLED OUTSIDE OF EACH SEPARATE SLEEPING AREA IN THE IMMEDIATE VICINITY OF THE BEDROOMS IN DWELLING UNITS WITHIN WHICH FUEL-FIRED APPLIANCES ARE INSTALLED AND IN DWELLING UNITS THAT HAVE ATTACHED GARAGES.



ELECTRICAL SCHEDULE	
SYM.	DESCRIPTION
⊕	SWITCH
⊕ <sub>3</sub>	3-WAY SWITCH
⊕ <sub>T</sub>	TIMER SWITCH
⊕ <sub>DIM</sub>	DIMMER SWITCH
⊕ <sub>D</sub>	DOOR ACTIVATED SWITCH
⊕	DUPLEX OUTLET (CHFI)
⊕	SWITCHED DUPLEX OUTLET
⊕ <sub>SH</sub>	DUPLEX @ SPECIAL HEIGHT
⊕ <sub>F</sub>	FLOOR DUPLEX OUTLET
⊕ <sub>WP</sub>	WATERPROOF DUPLEX
⊕ <sub>GFI</sub>	GROUND FAULT INTERRUPT
⊕ <sub>ARC</sub>	ARC FAULT
⊕ <sub>L</sub>	FLOOR OUTLET
⊕ <sub>220</sub>	220 VOLT OUTLET
⊕	TELEPHONE
⊕	DOOR BELL
⊕	FAN/LIGHT
⊕	HEAT LAMP
⊕	EXHAUST FAN
⊕	SURFACE MOUNTED FIXTURE
⊕	HANGING PENDANT
⊕ <sub>R</sub>	RECESSED FIXTURE
⊕ <sub>WP</sub>	WATERPROOF RECESSED FIXTURE
⊕	RECESSED, WALL WASH-LOW VOLT.
⊕	WALL SCONCE
⊕	LOW VOLTAGE CABLE LIGHTING
⊕⊕⊕	MIRROR LIGHT
⊕	UNDERCOUNTER LIGHT
⊕	EMERGENCY LIGHTING - BATTERY
⊕	TELEVISION
⊕	PUSH BUTTON
⊕	SMOKE DETECTOR
⊕	CEILING FAN FIXTURE
⊕	THERMOSTAT
⊕	SECURITY SYSTEM
⊕	1'X4' FLUORESCENT LIGHT FIXTURE
⊕	2'X4' FLUORESCENT LIGHT FIXTURE
⊕	SPEAKER
⊕	ELECTRICAL SERVICE PANEL
⊕	CONCEALED ROPE LIGHT
⊕	CARBON MONOXIDE MONITOR

DATE  
1/10/2019

REVISED  
1/23/2019

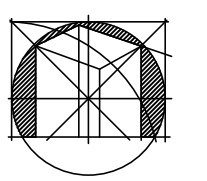
JOB NO.

JOB DATE

SKIS & PEDALS LLC  
**RESIDENCE**  
556 SPRUCE CONE DRIVE, LOT 26A  
SOUTH FORK SUBDIVISION, BIG SKY, MONTANA

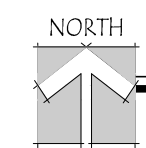


CIKAN ARCHITECTS, P.C.  
1807 W. DICKERSON, SUITE C  
BOZEMAN, MONTANA 59715  
(406) 586 3624



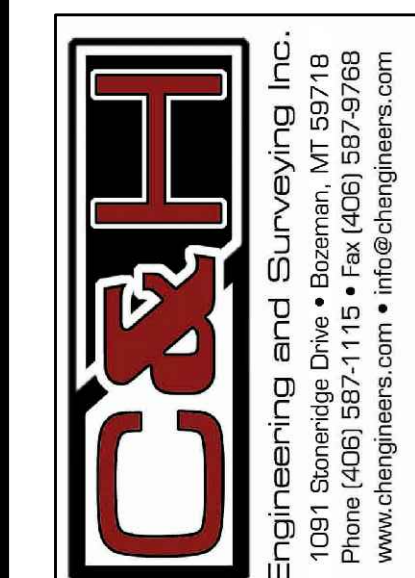
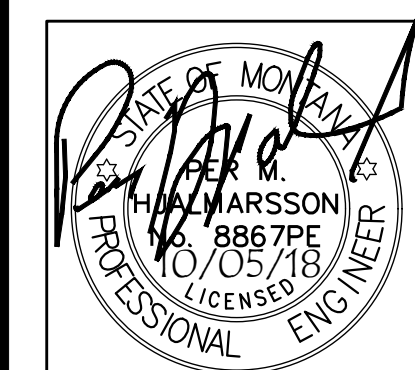
ELECTRICAL  
LAYOUT PLAN

E2



# ELECTRICAL LAYOUT UPPER LEVEL

SCALE : 1 / 4 " = 1 ' - 0 "



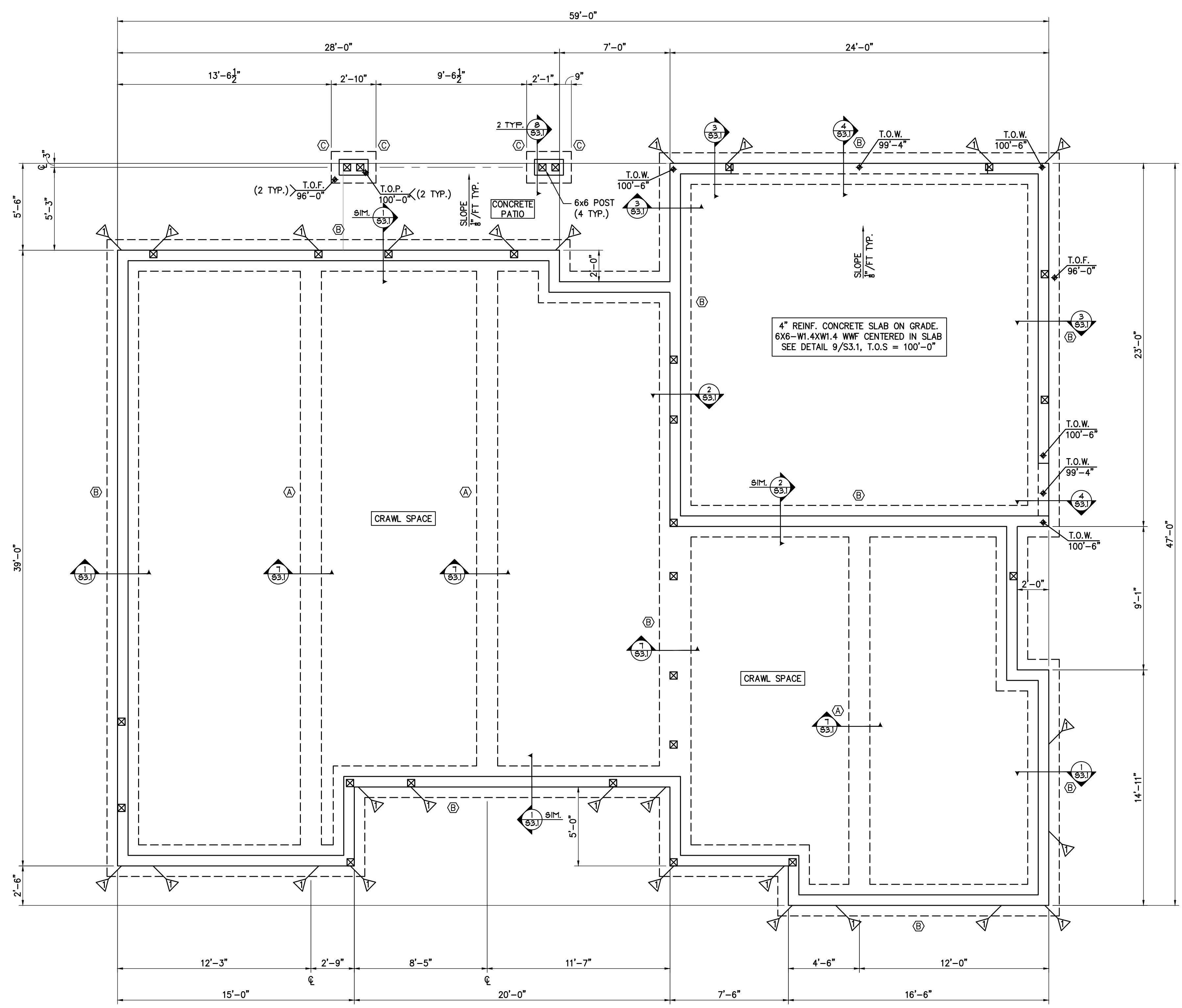
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DRAWN: BCP

FOUNDATION PLAN

JEFF PFEIL  
556 SPRUCE CONE DRIVE, LOT 26A  
SOUTH FORK SUBDIVISION, BIG SKY, MT

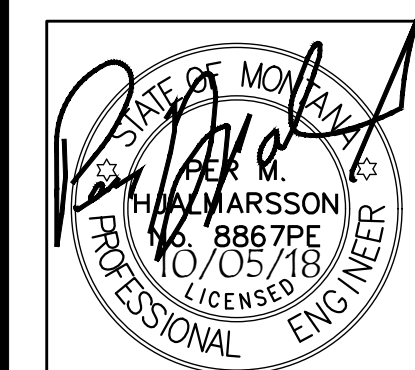
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S1.0

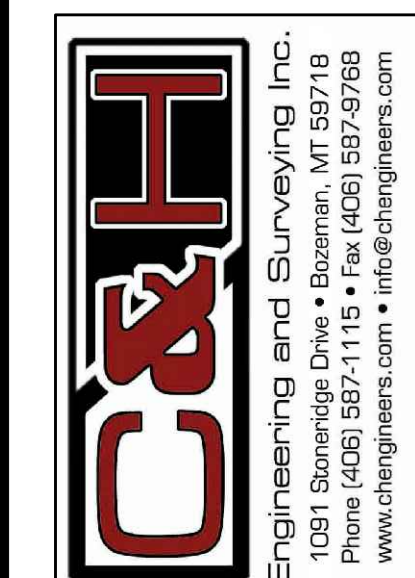


1 FOUNDATION PLAN  
SCALE: 1/4" = 1'-0"

- NOTES:  
1. USE (3) 2x6 POSTS U.N.O.  
2. ARCHITECT TO VERIFY ALL FOUNDATION DIMENSIONS AND ELEVATIONS.



Sheet 2 of 6



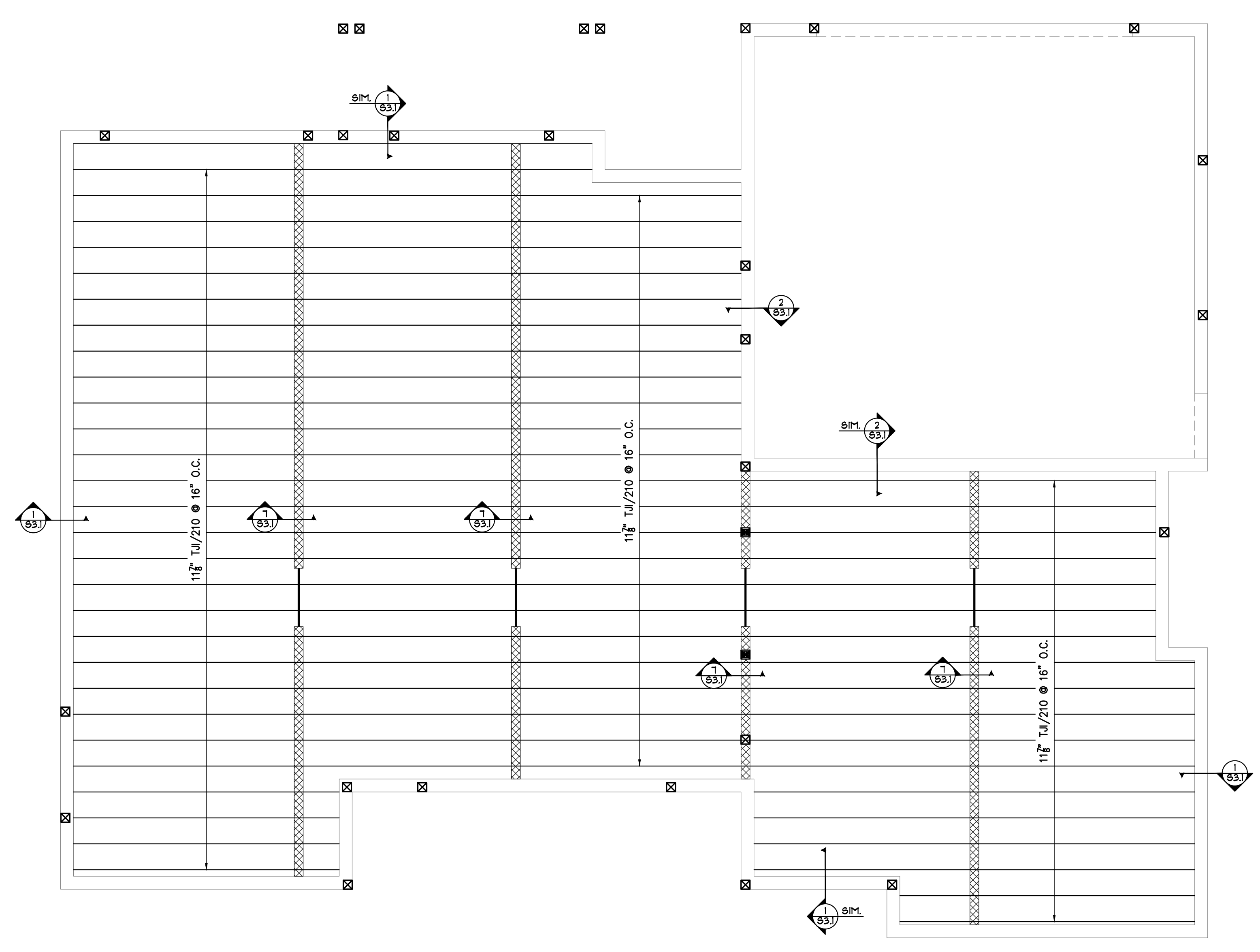
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ENGINEER: PMH  
DRAWN: BCP

### MAIN FLOOR FRAMING PLAN

**JEFF PFEIL**  
**556 SPRUCE CONE DRIVE, LOT 26A**  
SOUTH FORK SUBDIVISION, BIG SKY, MT

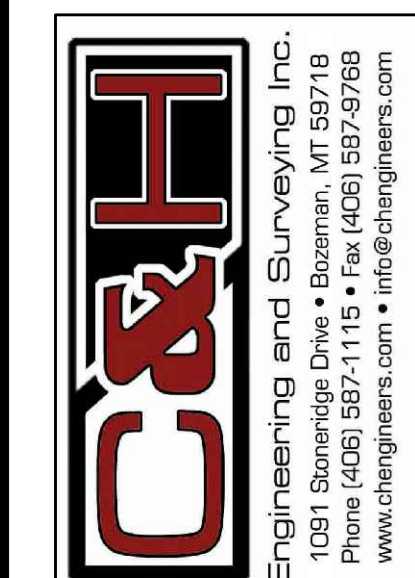
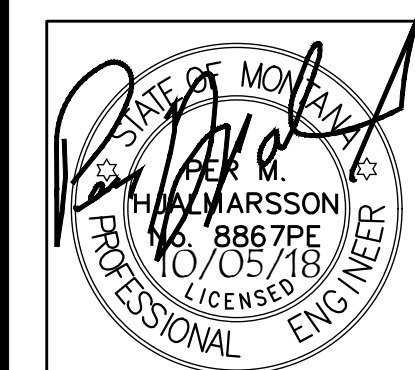
DATE: 10/05/2018

# S2.0



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

- NOTES:  
1. USE (3) 2x6 POSTS U.N.O.  
2. USE (2) 2x10 HEADERS U.N.O.



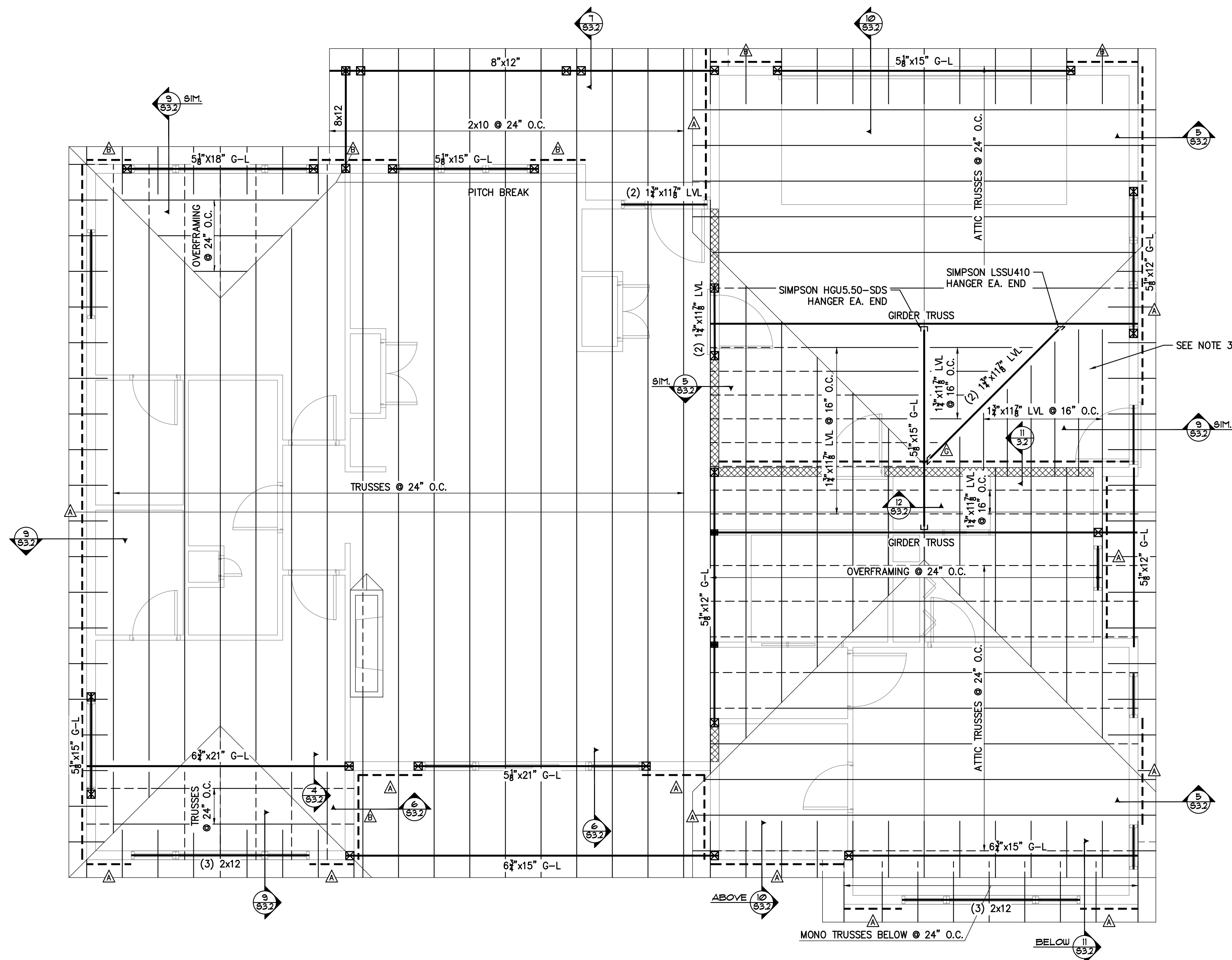
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 DRAWN: BCP

ROOF FRAMING PLAN

JEFF PFEIL  
 556 SPRUCE CONE DRIVE, LOT 26A  
 SOUTH FORK SUBDIVISION, BIG SKY, MT

DATE: 10/05/2018

S2.1



1 ROOF FRAMING PLAN  
 S2.1 SCALE: 1/4" = 1'-0"

- NOTES:
1. USE (3) 2x6 POSTS U.N.O.
  2. USE (2) 2x10 HEADERS.
  3. USE 2x8's @ 16" O.C. FOR ATTIC FLOOR FRAMING BETWEEN GIRDER TRUSSES.
  4. USE (3) 2x6 DF#2 KING STUDS AND (2) 2x6 DF#2 TRIMMERS AT GARAGE DOOR HEADER.

**STRUCTURAL NOTES & CODES**  
APPLY UNLESS NOTED OTHERWISE ON STRUCTURAL DRAWINGS OR SPECIFICATIONS.

**DESIGN CODES AND LOADS**

DESIGN CODE: 2012 INTERNATIONAL BUILDING CODE  
BIG SKY, MONTANA DESIGN PARAMETERS 59716)

**LIVE LOADS**  
Ls=150 PSF (ROOF SNOW LOAD)  
Lo=40 PSF (RESIDENTIAL LOAD)

**DEAD LOADS**  
Df=15 PSF (FLOOR LOAD)  
Dr=15 PSF (ROOF LOAD)

**WIND LOAD**  
WIND SPEED=115 MPH (3 SECOND GUST)  
RISK CATEGORY=I  
EXPOSURE=C  
LONGITUDINAL=17.5K  
TRANSVERSE=13.6K

**SEISMIC LOAD**  
SIMPLIFIED LATERAL FORCE ANALYSIS PROCEDURE (ASCE 12.14.8)  
I=1.00 (20% RESIDUAL SNOW LOAD)  
S<sub>w</sub>=1.031  
S<sub>s</sub>=0.495  
SOIL SITE CLASS=D  
S<sub>w</sub>=0.687  
S<sub>s</sub>=0.330  
DESIGN CATEGORY=D  
R=6.50 - (LIGHT WEIGHT WALLS SHEATHED W/ WOOD PANELS)  
TOTAL SHEAR=17.11K  
ASD REDUCTION=11.577K

**SOILS**  
2,000 PSF (CONTRACTOR TO VERIFY SOIL BEARING CAPACITY PRIOR TO CONSTRUCTION)

FLOOD HAZARD AREA FIRM MAP #=N/A

**CAST-IN-PLACE CONCRETE**

- CODE FOR REINFORCED CONCRETE DESIGN AND CONSTRUCTION - ACI 318-14.
- ALL SLABS ON GRADE ARE TO BE PLACED ON WELL COMPACTED BACKFILL.
- ARRANGEMENT AND BENDING OF REINFORCING STEEL WILL BE IN ACCORDANCE WITH ACI DETAILING MANUAL, LATEST EDITION.
- REINFORCING STEEL WILL BE NEW DEFORMED BARS.
- CONCRETE COVER TO REINFORCING STEEL, UNLESS NOTED OTHERWISE, WILL BE AS FOLLOWS:  
SURFACE CAST AGAINST EARTH 3"  
FORMED SURFACES IN CONTACT WITH EARTH OR EXPOSED TO WEATHER #6 OR LARGER 2"  
#5 OR SMALLER 1-1/2"  
FORMED SURFACES NOT IN CONTACT W/ EARTH OR EXPOSED TO WEATHER WALLS, SLABS, JOISTS 3/4"
- NON-CONTINUOUS ENDS OF TOP BARS IN GRADE BEAMS AND SLABS WILL TERMINATE IN A STANDARD HOOK, UNLESS DETAILED OTHERWISE.
- CALCIUM CHLORIDE IS NOT PERMITTED AS A CONCRETE ADDITIVE.
- CONTRACTOR TO PROVIDE SUITABLE WIRE SPACERS, CHAIRS, TIES, ETC. FOR SUPPORTING REINFORCING STEEL IN THE PROPER POSITION WHILE PLACING CONCRETE.
- VERTICAL HOOKED REINFORCING STEEL MAY BE "WET-SET" IN RESIDENTIAL FOOTINGS WITH FOUNDATION WALLS THAT ARE 4'-0" OR LESS.
- BAR SUPPORTS WHICH COME IN CONTACT WITH EXPOSED SURFACES WILL HAVE PLASTIC OR RUBBER TIPS OR BE STAINLESS STEEL.
- PROVIDE BENT CORNER BARS TO MATCH AND LAP WITH HORIZONTAL BARS AT CORNERS AND INTERSECTIONS OF FOOTINGS.
- WHERE CONSTRUCTION JOINTS ARE NOT SHOWN, OR WHEN ALTERNATE LOCATIONS ARE PROPOSED, DRAWINGS SHOWING LOCATION OF CONSTRUCTION AND CONTROL JOINTS AND PLACING SEQUENCE WILL BE SUBMITTED FOR APPROVAL PRIOR TO PREPARATION OF THE REINFORCING STEEL SHOP DRAWINGS.
- HORIZONTAL CONSTRUCTION JOINTS ARE NOT PERMITTED IN CONCRETE MEMBERS UNLESS SHOWN ON THE DRAWINGS OR APPROVED IN ADVANCE. VERTICAL CONSTRUCTION JOINTS OR BULKHEADS WILL BE MADE AT MIDSPAN OR POINTS OF MINIMUM SHEAR.
- SIZE OF CONCRETE POURS BETWEEN CONSTRUCTION JOINTS WILL BE LIMITED TO:  
SLABS ON GRADE - 3600 SQ. FT. WITH MAXIMUM DIMENSIONS OF 60 FT. PLACE IN LANE OR STRIP FASHION.
- VERIFY LOCATION OF OPENINGS SHOWN THROUGH CONCRETE SLABS AND COORDINATE ANY ADDITIONAL REQUIRED OPENINGS WITH OTHER TRADES AND THE ARCHITECT / ENGINEER.
- ALL CONCRETE EXPOSED TO FREEZING AND THAWING WILL CONTAIN 5-7% ENTRAINED AIR.
- ALUMINUM CONDUIT OR PIPING MAY NOT BE EMBEDDED IN ANY CONCRETE.
- REINFORCEMENT LAP LENGTHS AT DISCONTINUOUS BARS SHALL COMPLY WITH THE FOLLOWING TABLE:

LAP LENGTHS** OF DISCONTINUOUS REBAR						
BAR SIZE	#3	#4	#5	#6	#7	
DESIGN STRENGTH	3000 PSI					
GR 60 TOP BAR*	1'-0"	2'-5"	3'-0"	3'-7"	5'-3"	
OTHER BAR	1'-5"	1'-10"	2'-4"	2'-9"	4'-0"	
DESIGN STRENGTH	4000 PSI					
GR 60 TOP BAR*	1'-7"	2'-11"	2'-7"	3'-1"	4'-6"	
OTHER BAR	1'-4"	1'-7"	2'-0"	2'-5"	3'-6"	

\* TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW THE BARS.

\*\*INCREASE LAP LENGTHS SHOWN ABOVE BY 25% WHERE BARS ARE SPACED CLOSER THAN 2" O.C. OR WHERE EDGE OF BAR MEASURED IN DIRECTION OF SPACING IS LESS THAN 8" FROM FACE OF MEMBER

**USP CONNECTORS**

USP CONNECTORS THAT MEET OR EXCEED THE CAPACITY OF THE SIMPSON STRONG - TIE CONNECTORS SPECIFIED ON PLAN ARE AN ACCEPTABLE ALTERNATIVE. CONTACT MANUFACTURER OR RETAILER FOR EQUIVALENT SIZES.

**CIVIL NOTES**

- SURFACE WATER REQUIRED TO DRAIN AWAY FROM BUILDING AND SHOW DRAINAGE PATTERN. THE GRADE SHALL FALL A MINIMUM OF 5% WITHIN THE FIRST 10 FEET (2% FOR IMPERVIOUS SURFACES)

**FOUNDATION**

- ALL FOOTINGS TO BEAR ON SOILS PER GEOTECHNICAL REPORT.
- ALL EXPOSED CONCRETE TO BE SACK FINISHED.
- ALL BEARING SOIL TO BE APPROVED BY GEOTECHNICAL ENGINEER.
- WHERE EXPANSIVE CLAY, ORGANIC MATTER, EXCESSIVE GROUND WATER IS APPARENT AFTER EXCAVATION NOTIFY ARCHITECT/ENGINEER PRIOR TO PROCEEDING WITH WORK.
- COORDINATE BLOCKOUTS FOR UTILITY PIPING UNDER FTG. & IN WALL.
- BLOCKOUT AS REQUIRED FOR UTILITIES, WATER, ELECTRICAL, SEWER, ETC.
- LOCATE ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION.
- ALL FOUNDATION WORK TO COMPLY WITH GEOTECHNICAL REPORT.
- IF THE SOIL AT THE FOOTING ELEVATIONS SHOWN IS OF QUESTIONABLE BEARING VALUE, THE ARCHITECT/ENGINEER WILL BE NOTIFIED AT ONCE FOR RESOLUTION.
- ALL FOUNDATIONS WILL BE CENTERED ON WALLS OR COLUMNS UNLESS INDICATED OTHERWISE.
- WHERE FILL OR BACKFILL MATERIALS ARE PLACED ON TWO SIDES OF A GRADE BEAM OR WALL, THEY WILL BE PLACED IN LAYERS ALTERNATELY ON OPPOSITE SIDES TO MAINTAIN LEVELS THAT WILL AVOID DISPLACEMENT OF, OR DAMAGE TO, THE WALLS OR BEAMS.
- WHERE FILL OR BACKFILL MATERIALS ARE PLACED ON ONE SIDE OF A GRADE BEAM OR WALL, THE BEAM OR WALL WILL BE ADEQUATELY SHORED AND BRACED OR THE MATERIALS WILL NOT BE PLACED UNTIL THE SUPPORTING FLOOR SLAB HAS BEEN POURED AND SET.
- CONTINUOUS FOOTINGS WILL BE STEPPED AT SLOPE OF ONE VERTICAL TO TWO HORIZONTAL.
- SLOPE BETWEEN ADJACENT FOOTING OR EXCAVATIONS WILL NOT EXCEED ONE VERTICAL TO TWO HORIZONTAL. STEP FOOTINGS DOWN AS NECESSARY TO MAINTAIN THIS SLOPE.

**WOOD FRAMING**

- MULTIPLE PLY JOISTS AND BEAMS SHOULD BE ADEQUATELY CONNECTED TOGETHER TO ACT AS ONE JOIST OR BEAM.
- TRUSSES TO BE DESIGNED AND APPROVED BY A REGISTERED PROFESSIONAL ENGINEER.
- REFERENCE WOOD TRUSS COUNCIL OF AMERICA PUBLICATION #TBPS-010315 FOR FRAMING DETAILS TO MINIMIZE PARTITION SEPARATION FROM TRUSS ARCHING.
- ALL HEADERS (2) 2X10 AND ALL POSTS (3) 2X6 TYPICAL (U.N.O.)
- HOLE & NOTCHING REQUIREMENTS:
  - STUDS: HOLES - TO BE A MINIMUM 1/8" TO EDGE OF STUDS AND NOT EXCEED 60% OF STUD DEPTH. NOTCHES - SHALL NOT EXCEED 40% OF THE STUD DEPTH.
  - DOUBLE TOP PLATE: FOR NOTCHES OR HOLES EXCEEDING 50% OF PLATE WIDTH ADD A 16 GA. 1/2" IN WIDE STRAP WITH A MINIMUM 8-160 NAILS EACH SIDE.
  - JOISTS AND TRUSSES: ALL HOLES AND NOTCH SHOULD FOLLOW THE MANUFACTURER'S RECOMMENDATIONS.
- SHEATHING REQUIREMENTS:
  - FLOOR SHEATHING - 3/4" (3/8") APA RATED T&G SUBFLOOR 8d COMMON @ 6" O.C. AT PANEL EDGES, 8d COMMON @ 10" O.C. AT INTERMEDIATE FRAMING. ATTACH PANEL TO FRAMEWORK WITH CONTINUOUS BEAD OF CONSTRUCTION ADHESIVE OR AS REQ'D BY FINISH FLOOR MATERIAL.
  - ROOF SHEATHING - 3/8" (3/8") APA RATED SHEATHING 10d COMMON @ 6" O.C. AT PANEL EDGES, 8d COMMON @ 12" O.C. AT INTERMEDIATE FRAMING.
  - EXTERIOR WALL SHEATHING - 7/16" (3/4") APA RATED SHEATHING 8d COMMON @ 6" O.C. AT PANEL EDGES, 8d COMMON @ 12" O.C. AT INTERMEDIATE FRAMING. BLOCK ALL SHEATHING EDGES W/ 2" WIDE NOMINAL BLOCKING (TYP. U.N.O. ON SHEAR WALL SCHEDULE).
  - INTERIOR WALL SHEATHING - 3/8" GYPSUM WALL SHEATHING #6 X 1 1/4" SCREWS @ 8" O.C. AT PANEL EDGES AND 12" O.C. @ INTERMEDIATE FRAMING (TYPICAL U.N.O.).
- WALL FRAMING REQUIREMENTS:

STUD HEIGHT	FRAMING LUMBER
<10'	2x6 DOUGLAS FIR (DF) #2 OR BETTER @ 16" O.C.
>10' <14'	2x6 DOUGLAS FIR (DF) #2 OR BETTER @ 16" O.C.
>14' <15'	2x6 DOUGLAS FIR (DF) #1 OR BETTER @ 16" O.C.
16' (MAX.)	-OR- 1 1/2"x5 1/2" LVL @ 16" O.C.
	1 1/2"x5 1/2" LVL @ 16" O.C.

**HOLDOWN LEGEND**

SYMBOL	SIMPSON HOLDDOWN TYPE	MEMBER THICKNESS (IN)	ANCHOR DIAMETER (IN)	SIMPSON ANCHOR	ALLOWABLE TENSION (LB)
1	STDH14	(2) 2X6	-	-	5345

**FOOTING SCHEDULE**

SYMBOL	CONCRETE DIMENSIONS	REINFORCING BAR
(A)	16" x 8" DP. CONT.	(2) #4 CONT.
(B)	24" x 8" DP. CONT.	(3) #4 CONT.
(C)	24" SQ. x 8" DP.	(3) #4 EA. WAY

**MATERIALS**

- CONCRETE SLABS ELSEWHERE 4000 PSI @ 28 DAYS  
3500 PSI @ 28 DAYS
- REINFORCING STEEL #4-#10 BARS - ASTM A615 - GRADE 60  
#3 BARS - ASTM A615 - GRADE 40 MESH - ASTM A185
- WELDED BARS AND ANCHORS ASTM A706 (GRADE 60)
- WELDED WIRE AND FABRIC ASTM A185
- ANCHOR BOLTS ASTM A307 OR ASTM A36
- THREADED ROD ASTM A307 OR ASTM A36
- EXPANSION BOLTS (NO THREADS IN SHEAR PLANE TYP.) KWK-BOLTS, THUNDERSTUDS, WEI-IT BOLTS, RED-HEAD ANCHORS OR NATIONAL FASTENERS. PROVIDE ICBO REPORT FOR EXPANSION ANCHORS USED.
- DIMENSIONAL FRAMING LUMBER M.C. NOT TO EXCEED 19%  
DOUGLAS FIR #2 OR BETTER  
Fb = 900 PSI Fc<sup>+</sup> = 625 PSI  
Fv = 180 PSI Fc<sup>||</sup> = 1350 PSI  
E = 16000000 PSI
- POSTS (2012 N.D.S.) (POSTS AND TIMBERS) M.C. NOT TO EXCEED 19%  
DOUGLAS FIR #1 OR BETTER  
Fb = 1200 PSI Fc<sup>+</sup> = 1000 PSI
- TIMBER MEMBERS (2012 N.D.S.) (BEAMS AND STRINGERS) M.C. NOT TO EXCEED 19%  
DOUGLAS FIR #2 OR BETTER  
Fb = 725 PSI Fc<sup>+</sup> = 625 PSI  
Fv = 170 PSI Fc<sup>||</sup> = 700 PSI  
E = 13000000 PSI
- DOUGLAS FIR #1 OR BETTER  
Fb = 1200 PSI Fc<sup>+</sup> = 625 PSI  
Fv = 170 PSI Fc<sup>||</sup> = 1000 PSI  
E = 16000000 PSI
- L.V.L. MEMBERS TRUS - JOIST MACMILLAN OR APPROVED EQUIV.  
Fb = 2600 PSI Fc<sup>+</sup> = 750 PSI  
Fv = 285 PSI Fc<sup>||</sup> = 2510 PSI  
E = 19000000 PSI
- GLUED LAMINATED BEAMS DOUGLAS FIR (2012 N.D.S.)  
Fb = 240 PSI Fc<sup>+</sup> = 1650 PSI  
E = 18000000 PSI
- JOISTS TRUS - JOIST MACMILLAN OR APPROVED EQ. (PROVIDE BLOCKING & WEB STIFFENERS AS REQUIRED BY MANUFACTURER.)

**SHEAR WALL SCHEDULE**

WALL	SHEATHING	NAILS OR STAPLES	SPACING	BLOCKING	PLATE
(A)	7/16" (32/16) APA RATED ONE SIDE	8d COMMON OR 1 1/2" 16 GAGE	6" O.C. EDGE 3" O.C. EDGE	2" NOM.	2" NOM.
	1/2" DIA. x 10" W/ 3"x3"x1/4" WASHERS @ 4'-0" O.C. OR 5/8" DIA. x 10" W/ 3"x3"x1/4" WASHERS @ 6'-0" O.C.			255 PLF WALL LOAD	
(B)	7/16" (32/16) APA RATED ONE SIDE	8d COMMON OR 1 1/2" 16 GAGE	4" O.C. EDGE 2" O.C. EDGE	2" NOM.	2" NOM.
	1/2" DIA. x 10" W/ 3"x3"x1/4" WASHERS @ 2'-6" O.C. OR 5/8" DIA. x 10" W/ 3"x3"x1/4" WASHERS @ 4'-0" O.C.			350 PLF WALL LOAD	
(C)	1/2" GYPSUM TWO SIDES OF WALL	5d COOLER OR No. 6 SCREWS	2" O.C. EDGE 8" O.C. EDGE	2" NOM.	2" NOM.
	1/2" DIA. x 10" W/ 3"x3"x1/4" WASHERS @ 6'-0" O.C.			120 PLF WALL LOAD	

- NOTE:
- ALL FIELD SCREWING, NAILING OR STAPLING TO BE 12" O.C. U.N.O.
  - ANCHOR BOLTS VALUES PER 2012 N.D.S. TABLE 11E.
  - FASTENER VALUES PER 2012 IBC, TABLE 2308.3(1).
  - PROVIDE FASTENERS ABOVE AND BELOW WINDOWS AND DOORS WITH EQUIVALENT FASTENER PATTERN & BLOCKING OF ADJACENT SHEAR WALL.
  - FASTENERS SPACED AT LESS THAN 4" O.C. ARE REQUIRED TO BE INSPECTED BY THE ENGINEER PRIOR TO INSTALLING VAPOR BARRIER.

**FASTENING SCHEDULE**

IBC 2012 FASTENING SCHEDULE TABLE 2308.9.1 (U.N.O. ON PLANS, ALL NAILS COMMON U.N.O.)  
NOTE: GALVANIZED NAILS, SCREWS AND STAPLES REQUIRED FOR ANY PENETRATION INTO P.T. LUMBER.

CONNECTION	FASTENING	LOCATION
1. JOIST TO SILL OR GIRDER	(3) 8d COMMON (2 1/2"x0.131") (3) 3"x0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAIL
2. BRIDGING TO JOIST	(2) 8d COMMON (2 1/2"x0.131") (2) 3"x0.131" NAILS (2) 3" 14 GAGE STAPLES	TOENAIL EACH END
3. 1"x6" SUBFLOOR OR LESS TO EA. JOIST	(3) 8d COMMON (2 1/2"x0.131")	FACE NAIL
4. WIDER THAN 1"x6" SUBFLOOR TO EA. JOIST	(3) 8d COMMON (2 1/2"x0.131")	FACE NAIL
5. 2" SUBFLOOR TO JOIST OR GIRDER	(2) 16d COMMON (3 1/2"x0.162")	BLIND & FACE NAIL
6. SOLE PLATE TO JOIST OR BLOCKING	16d (3 1/2"x0.135") @ 16" O.C. (4) 3"x0.131" NAILS @ 8" O.C. 3" 14 GAGE STAPLES @ 12" O.C. NAIL	TYPICAL FACE
SOLE PLATE TO JOIST OR BLOCKING @ BRACE WALL PANEL	(3) 16d (3 1/2"x0.135") @ 16" O.C. (4) 3"x0.131" NAILS @ 8" O.C. (4) 3" 14 GAGE STAPLES @ 16" O.C.	BRACED WALL PANELS
7. TOP PLATE TO STUD	(2) 16d COMMON (3 1/2"x0.162") (3) 3"x0.131" NAILS (3) 3" 14 GAGE STAPLES	END NAIL
8. STUD TO SOLE PLATE	(4) 8d COMMON (2 1/2"x0.131") (4) 3"x0.131" NAILS (3) 3" 14 GAGE STAPLES	TOE NAIL
9. DOUBLE STUDS	16d (3 1/2"x0.135") @ 24" O.C. (3) 3"x0.131" NAILS @ 8" O.C. 3" 14 GAGE STAPLES @ 8" O.C.	FACE NAIL
10. DOUBLE TOP PLATES	16d (3 1/2"x0.135") @ 16" O.C. (3) 3"x0.131" NAILS @ 12" O.C. 3" 14 GAGE STAPLES @ 12" O.C.	TYPICAL FACE NAIL
DOUBLE TOP PLATES	(8) 16d COMMON (3 1/2"x0.162") (12) 3"x0.131" NAILS (12) 3" 14 GAGE STAPLES	LAP SPLICE
11. BLOCKING BETWEEN JOISTS OR RAFTERS TO TOP PLATE	(3) 8d COMMON (2 1/2"x0.131") (3) 3"x0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAIL
12. RM JOIST TO TOP PLATE	8d (2 1/2"x0.131") @ 6" O.C. (3) 3"x0.131" NAILS @ 6" O.C. 3" 14 GAGE STAPLES @ 6" O.C.	TOENAIL
13. TOP PLATES, LAPS AND INTERSECTIONS	(2) 16d COMMON (3 1/2"x0.162") (3) 3"x0.131" NAILS (3) 3" 14 GAGE STAPLES	FACE NAIL
14. CONTINUOUS HEADER, TWO PIECES	16d COMMON (3 1/2"x0.162")	16" O.C. ALONG EDGE
15. CEILING JOIST TO PLATE	(3) 8d COMMON (2 1/2"x0.131") (3) 3"x0.131" NAILS (3) 3" 14 GAGE STAPLES	TOENAIL
16. CONTINUOUS HEADER TO STUD	(4) 8d COMMON (2 1/2"x0.131")	TOENAIL
17. CEILING JOISTS, LAPS OVER PARTITIONS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	(3) 16d COMMON (3 1/2"x0.162") MIN. TABLE 2308.10.4.1 (4) 3"x0.131" NAILS (4) 3" 14 GAGE STAPLES	FACE NAIL
18. CEILING JOISTS TO PARALLEL RAFTERS (SEE SECTION 2308.10.4.1, TABLE 2308.10.4.1)	(3) 16d COMMON (3 1/2"x0.162") MIN. TABLE 2308.10.4.1 (4) 3"x0.131" NAILS (4) 3" 14 GAGE STAPLES	FACE NAIL

**SUPPLEMENTAL NOTES**

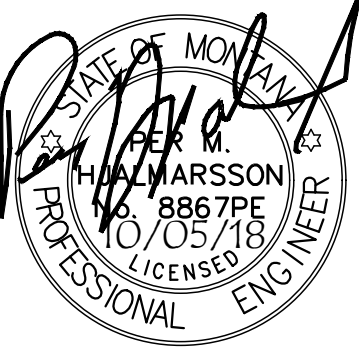
- BEFORE FABRICATION AND ERECTION OF ANY MATERIALS, FIELD VERIFY ALL EXISTING ELEVATIONS, DIMENSIONS AND CONDITIONS AS SHOWN ON THE DRAWINGS AND REPORT ANY DISCREPANCIES TO THE ENGINEER AT ONCE FOR RESOLUTION.
- STRUCTURAL MEMBERS INCLUDING SLABS, BEAMS, COLUMNS AND WALLS ARE DESIGNED FOR "IN PLACE" LOADS. CONTRACTOR IS RESPONSIBLE FOR BRACING, WITHOUT OVERSTRESSING, ALL STRUCTURAL ELEMENTS (AS REQUIRED AT ANY STAGE OF CONSTRUCTION) UNTIL COMPLETION OF THIS PROJECT.
- DO NOT SCALE DRAWINGS; IF ADDITIONAL DIMENSIONS ARE REQUIRED CONTACT THIS OFFICE.

**LEGEND**

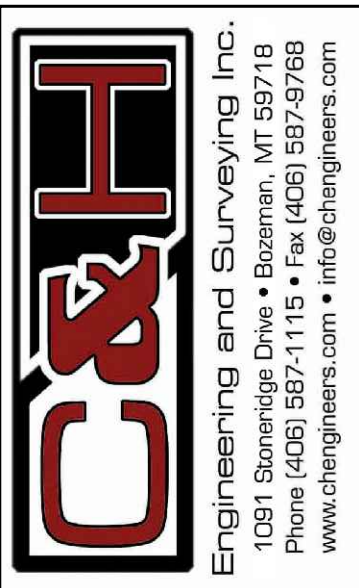
	- SEE SOILS REPORT	<b>STANDARD ABBREVIATIONS</b>
	- GRANULAR FILL	ARCH. - ARCHITECTURAL
	- CONCRETE	CENT. - CENTERLINE
	- RIGID INSULATION	CONT. - CONTINUOUS
	- SHEAR WALL	D.F. - DOUGLAS FIR
	- BEARING WALL	G-L - GLU-LAM
	- HOLDOWN	LVL - LAMINATED VENEER LUMBER
	- WOOD COLUMN (3) 2x6 (U.N.O.)	MAX. - MAXIMUM
	- DETAIL NUMBER	MIN. - MINIMUM
	- DETAIL CALLOUT	O.C. - ON CENTER
	- ELEVATION CALLOUT	P. - PLATE
		P.T. - PRESSURE TREATED
		R.S. - ROUGH SAWN
		SIM. - SIMILAR
		T.O.F. - TOP OF FOOTING
		T.O.P. - TOP OF PIER
		T.O.S. - TOP OF SLAB
		T.O.W. - TOP OF WALL
		TYP. - TYPICAL
		U.N.O. - UNLESS NOTED OTHERWISE
		V. - VERIFY
		V.I.F. - VERIFY IN FIELD

**STRUCTURAL DRAWING LIST**

- S1.0 - FOUNDATION PLAN
- S2.0 - MAIN FLOOR FRAMING PLAN
- S2.1 - ROOF FRAMING PLAN
- S3.0 - STRUCTURAL NOTES
- S3.1 - STRUCTURAL DETAILS
- S3.2 - STRUCTURAL DETAILS



Sheet 4 of 6



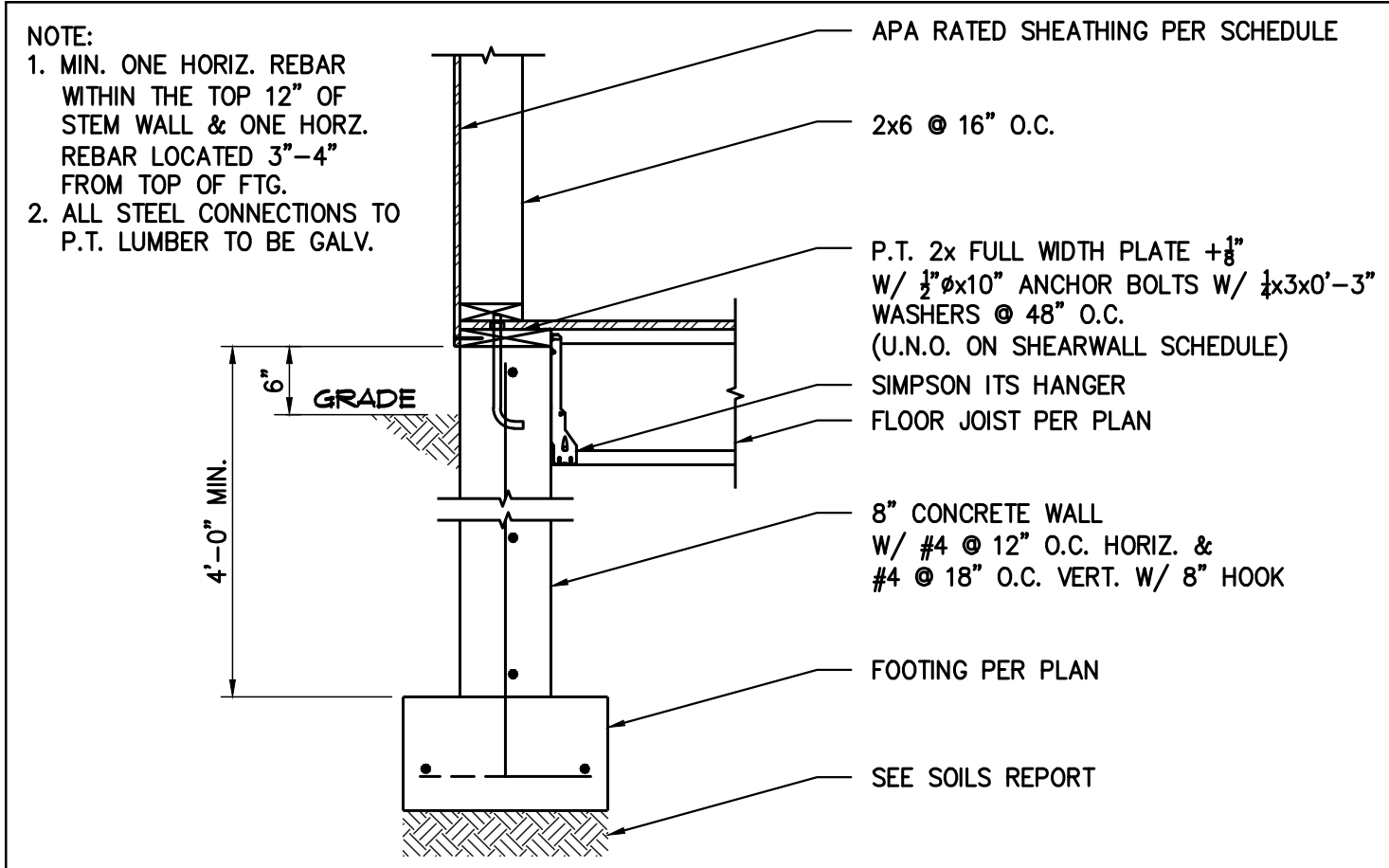
ISSUED: 11/15/15  
REVISION: 000000  
ENGINEER: JEFF PFEIL  
DRAWN: JEFF PFEIL  
CHECKED: JEFF PFEIL

STRUCTURAL NOTES

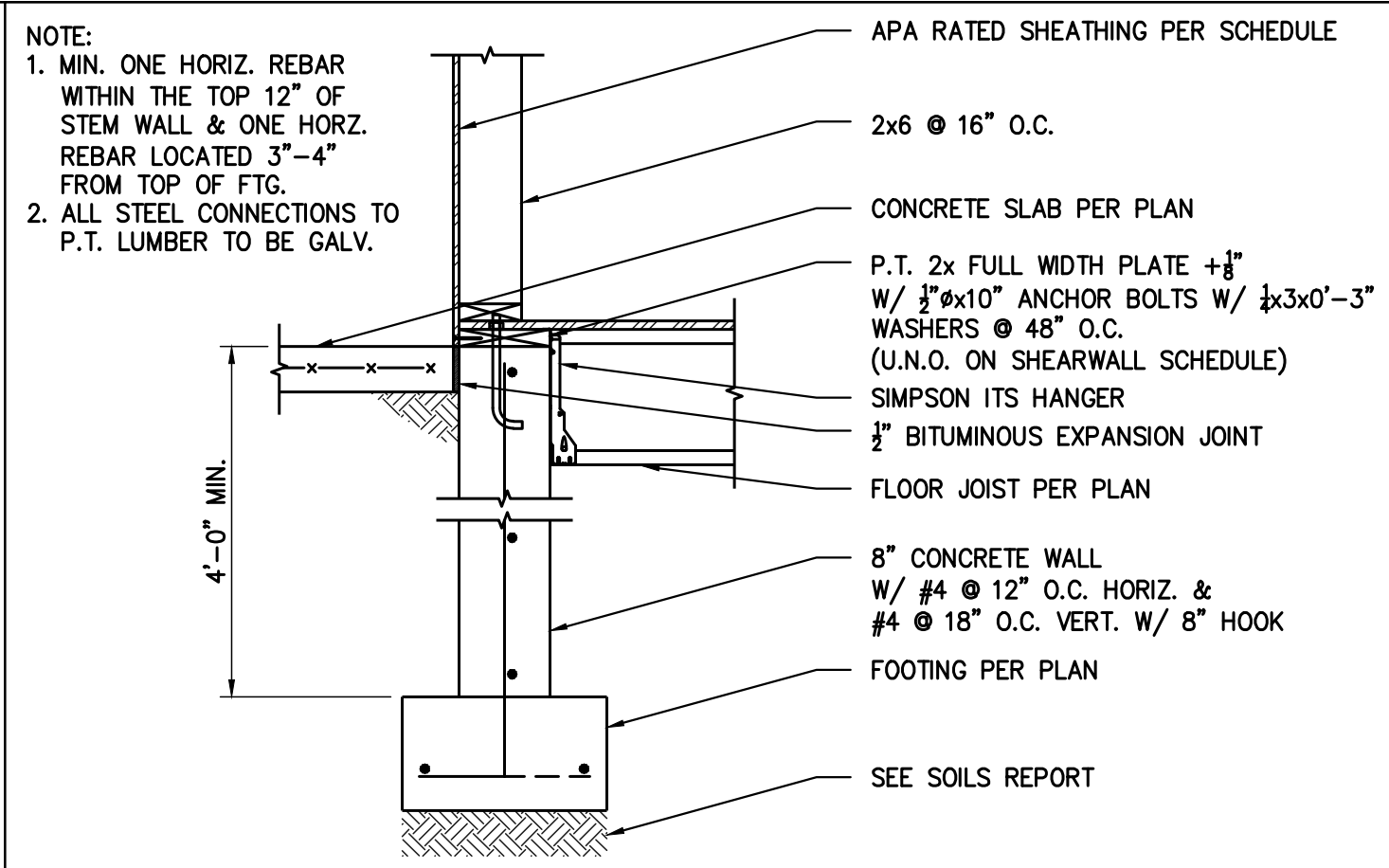
JEFF PFEIL  
556 SPRUCE CONE DRIVE, LOT 26A  
SOUTH FORK SUBDIVISION, BIG SKY, MT

DATE: 10/05/2018

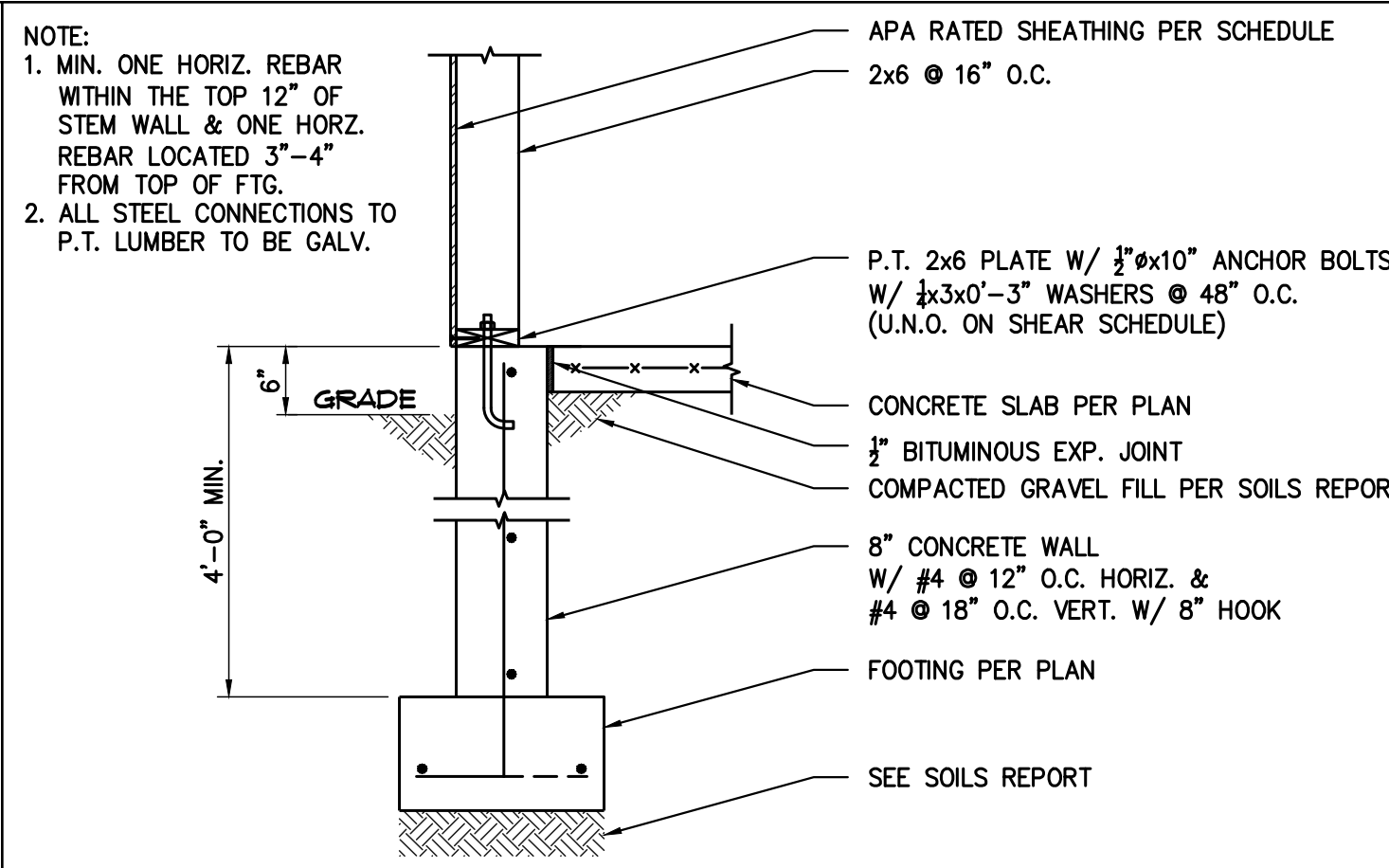
S3.0



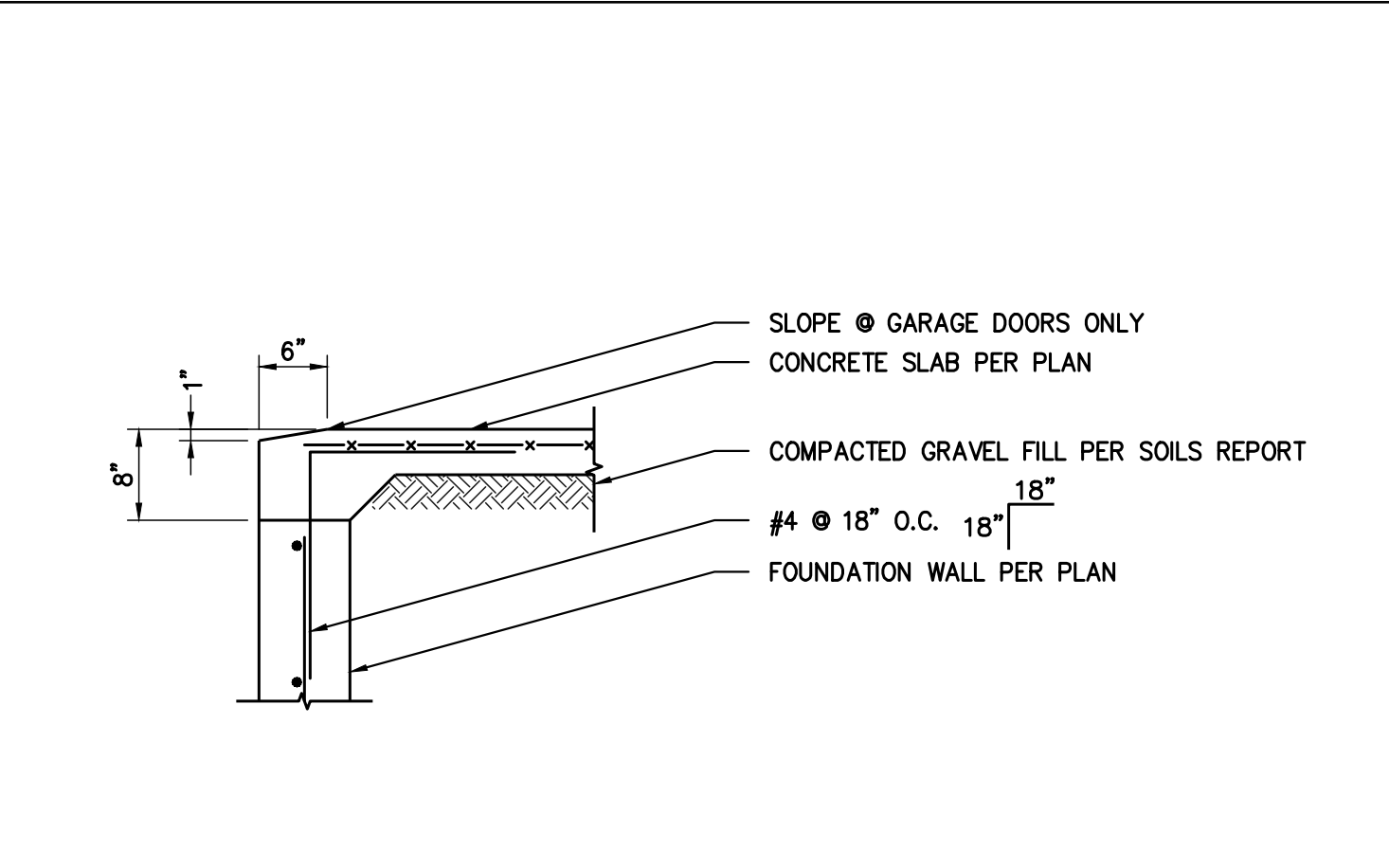
**1 FROST WALL W/ FLUSH JOIST AT CRAWLSPACE**  
S3.1 3/4" = 1'-0"



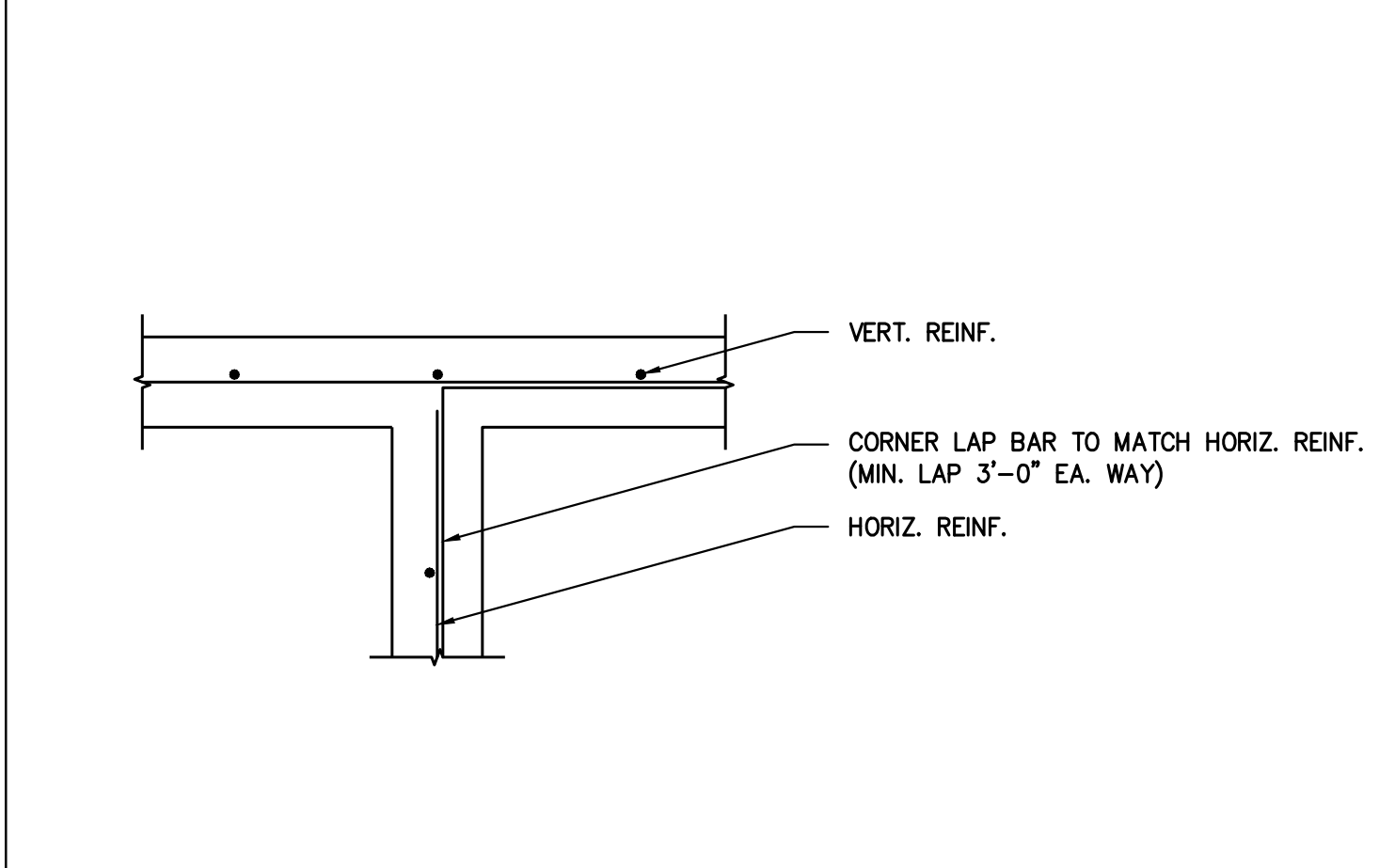
**2 FROST WALL W/ FLUSH JOIST AND CONCRETE SLAB**  
S3.1 3/4" = 1'-0"



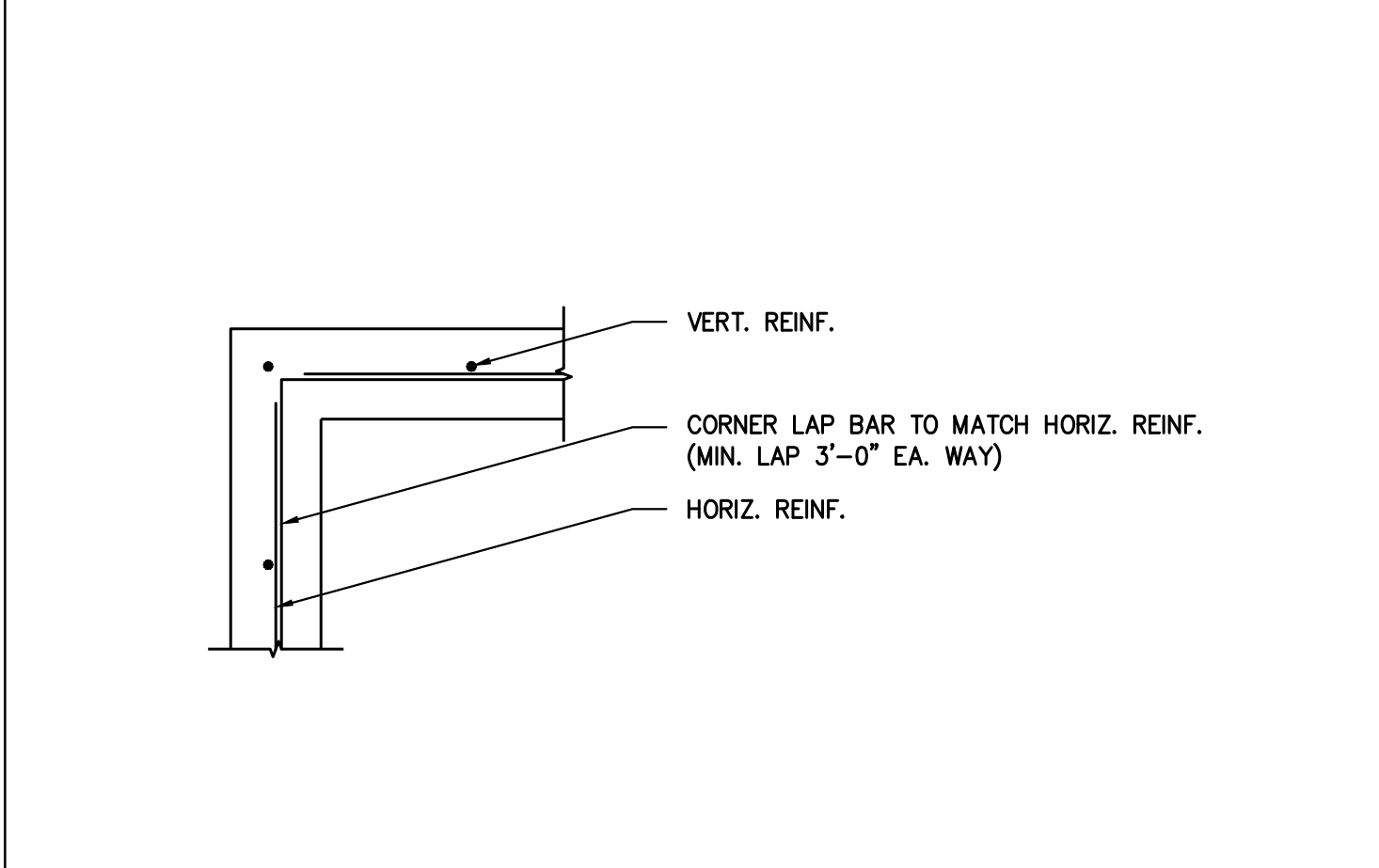
**3 FROST WALL W/ SLAB**  
S3.1 3/4" = 1'-0"



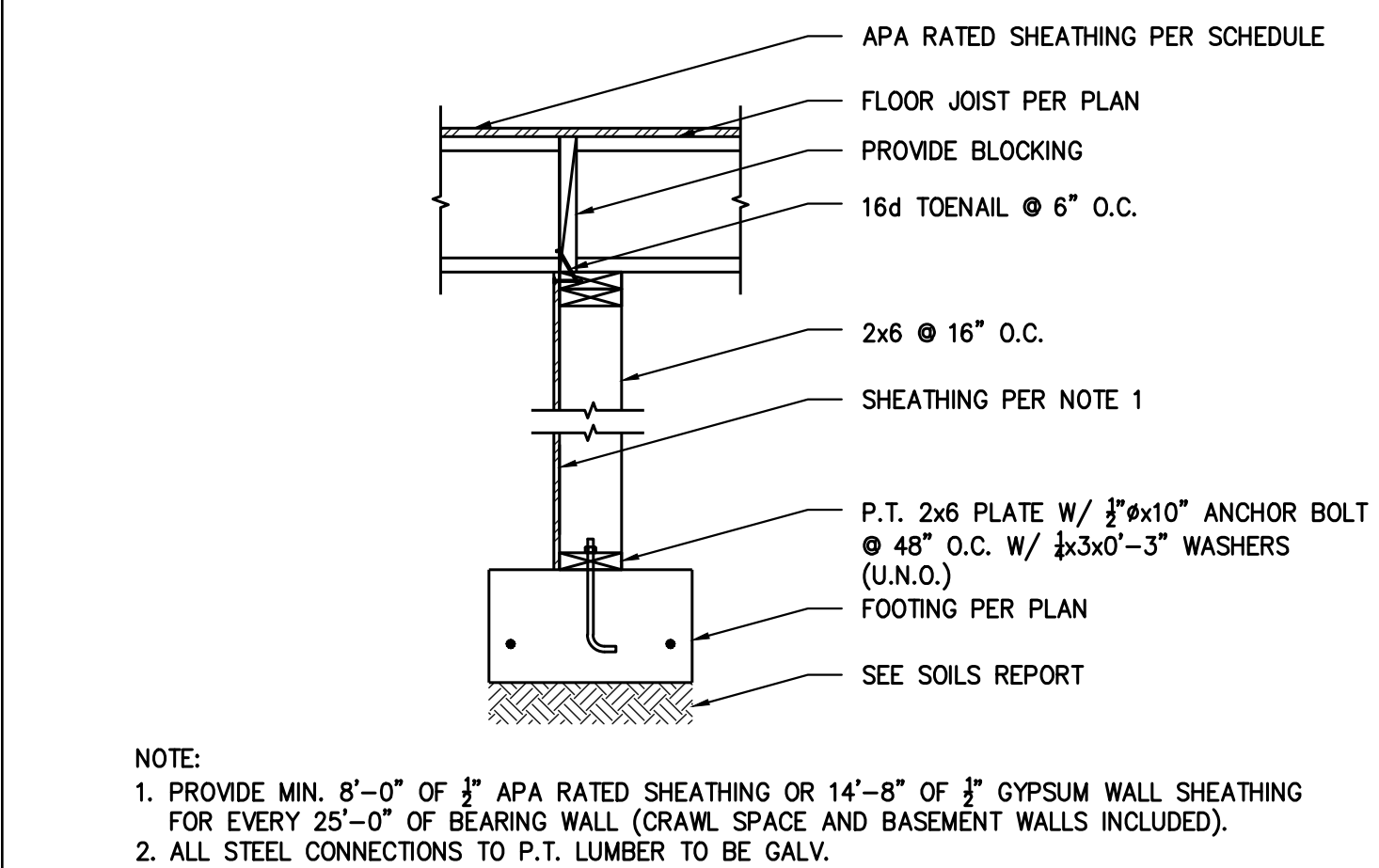
**4 DEPRESSED FOUNDATION WALL**  
S3.1 3/4" = 1'-0"



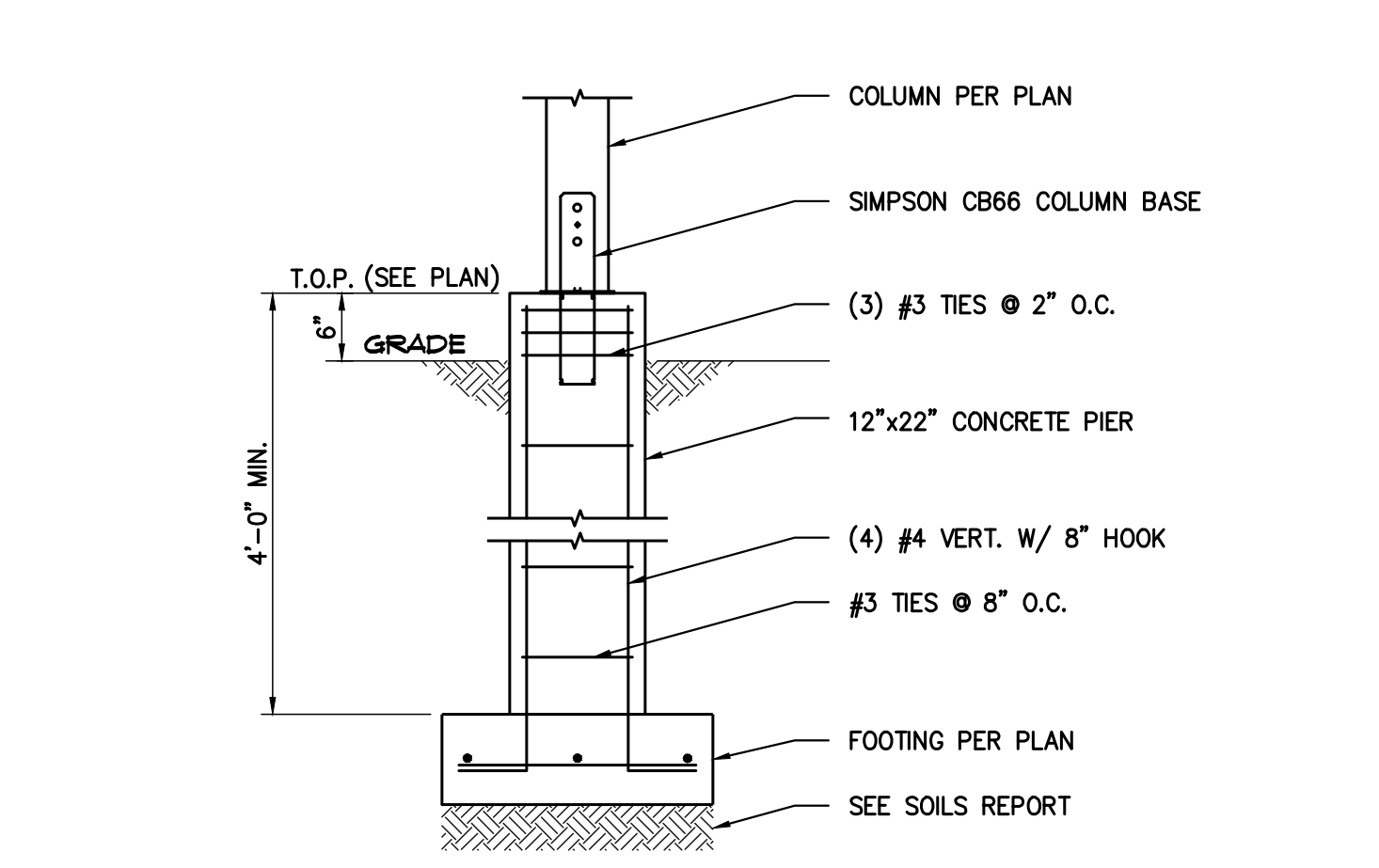
**5 TYP. FOUNDATION WALL 'T'**  
S3.1 3/4" = 1'-0"



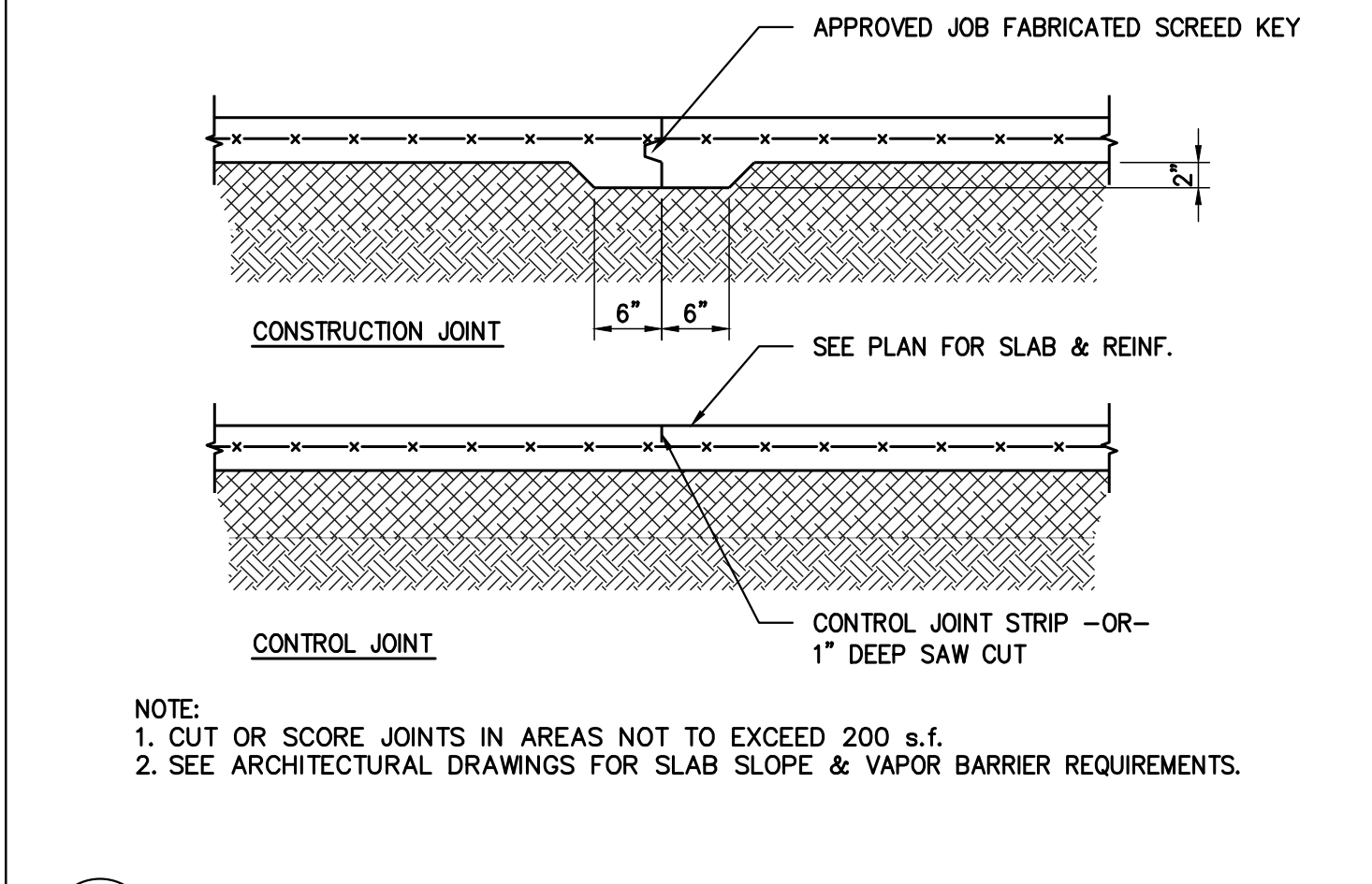
**6 TYP. FOUNDATION WALL CORNER**  
S3.1 3/4" = 1'-0"



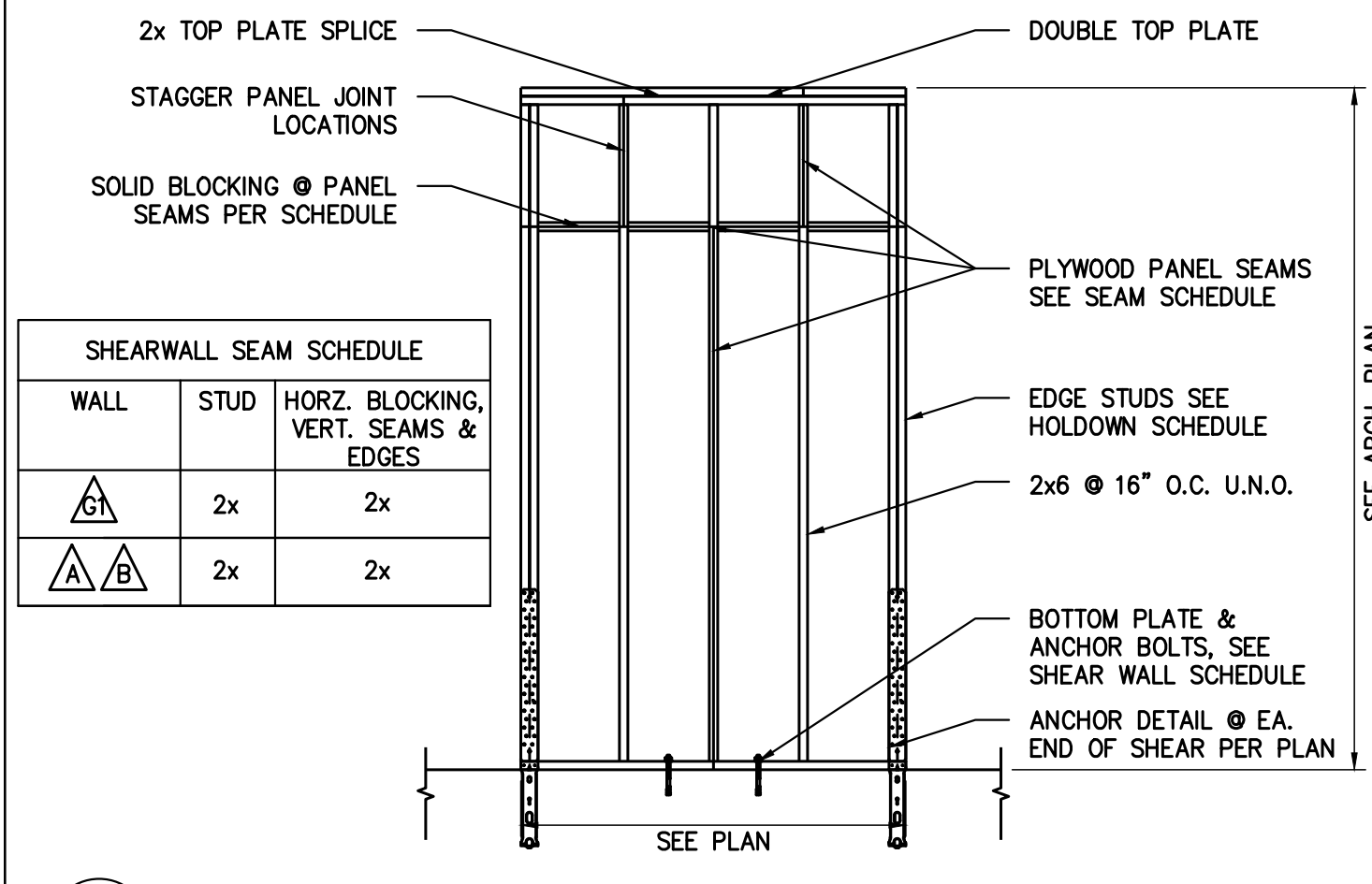
**7 CONTINUOUS INTERIOR FOOTING**  
S3.1 3/4" = 1'-0"



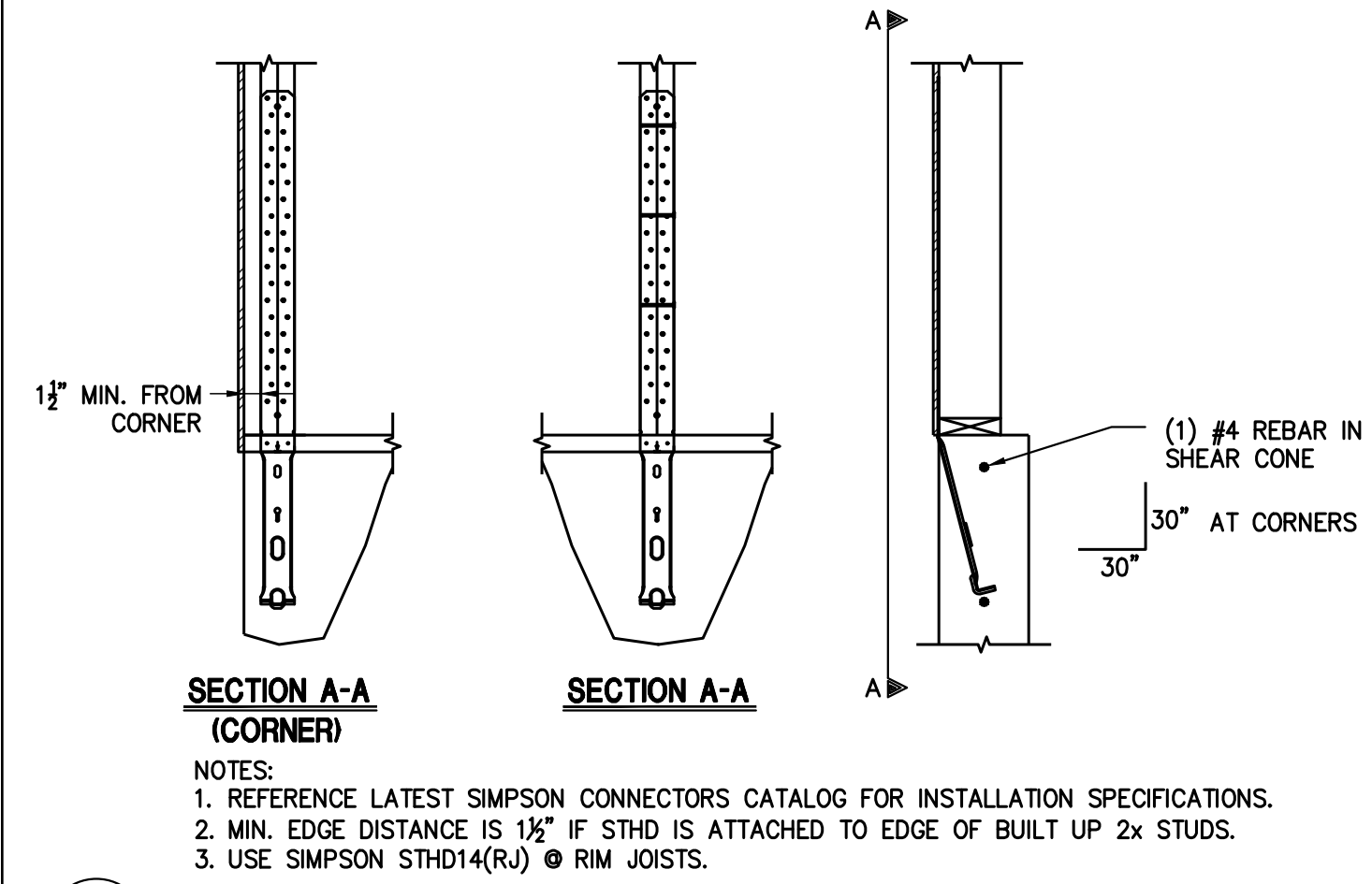
**8 FOOTING W/ CONCRETE PIER AND WOOD COLUMN**  
S3.1 3/4" = 1'-0"



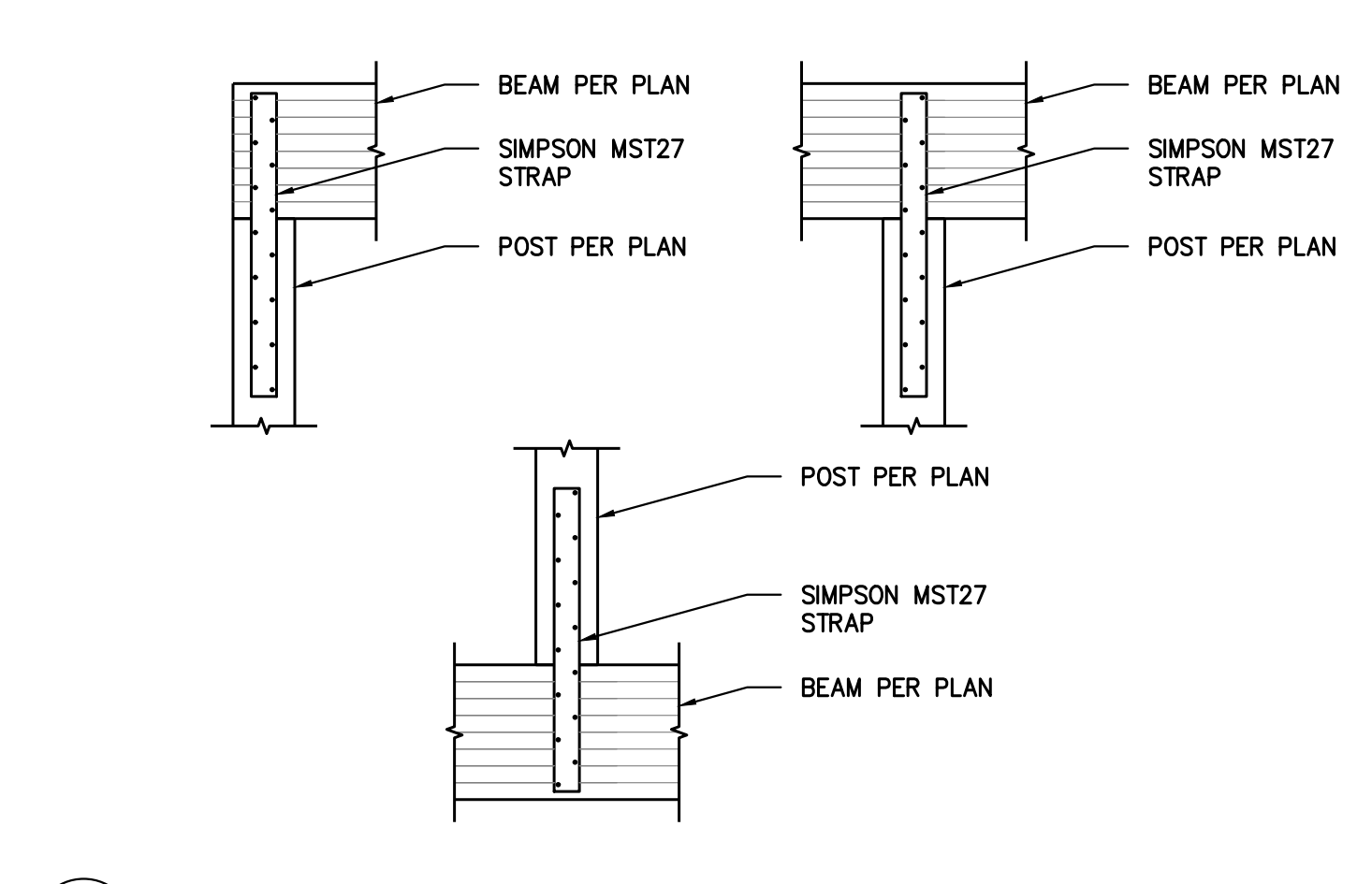
**9 TYPICAL CONTROL JOINT DETAIL**  
S3.1 3/4" = 1'-0"



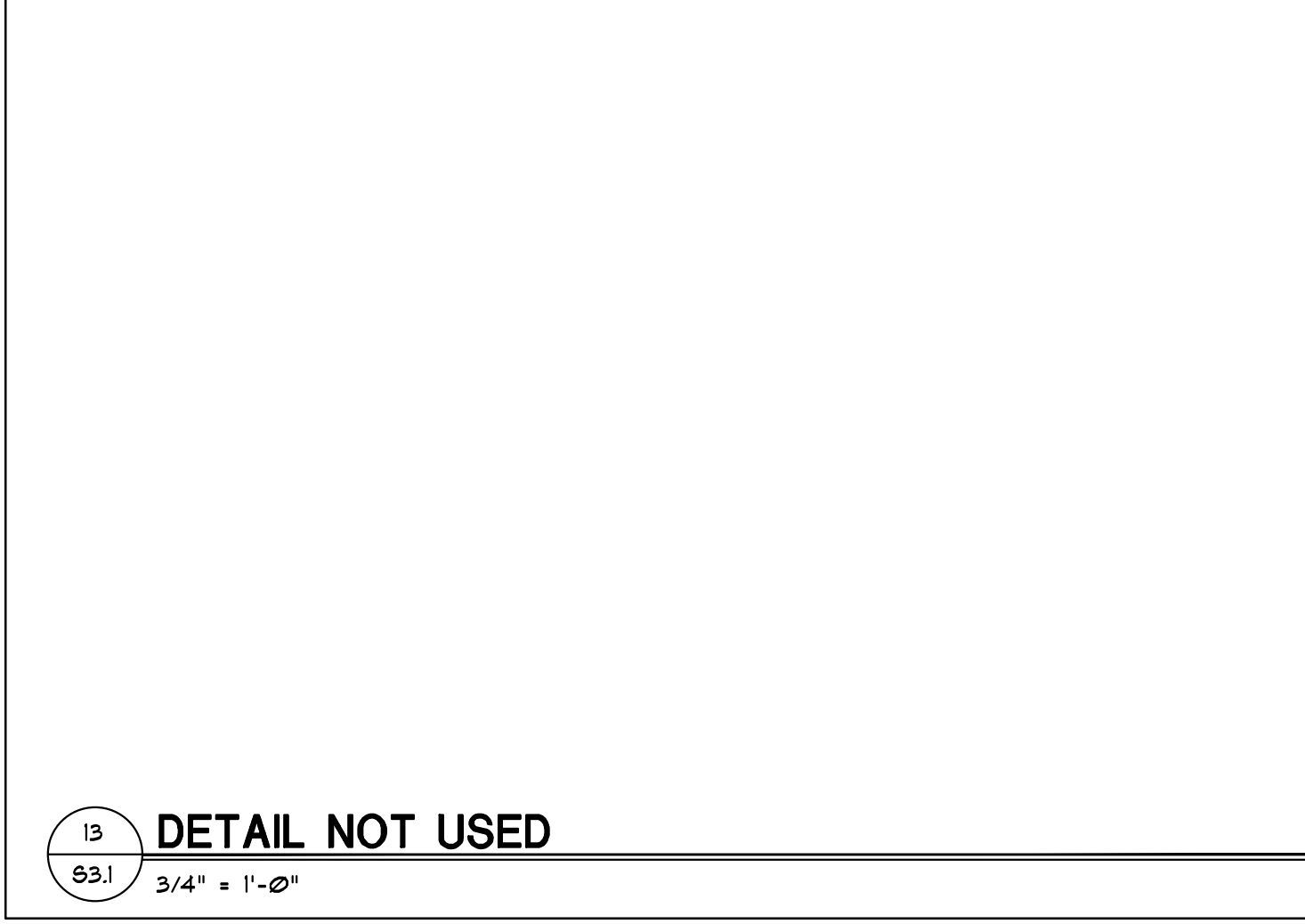
**10 TYPICAL SHEAR WALL ELEVATION**  
S3.1 3/8" = 1'-0"



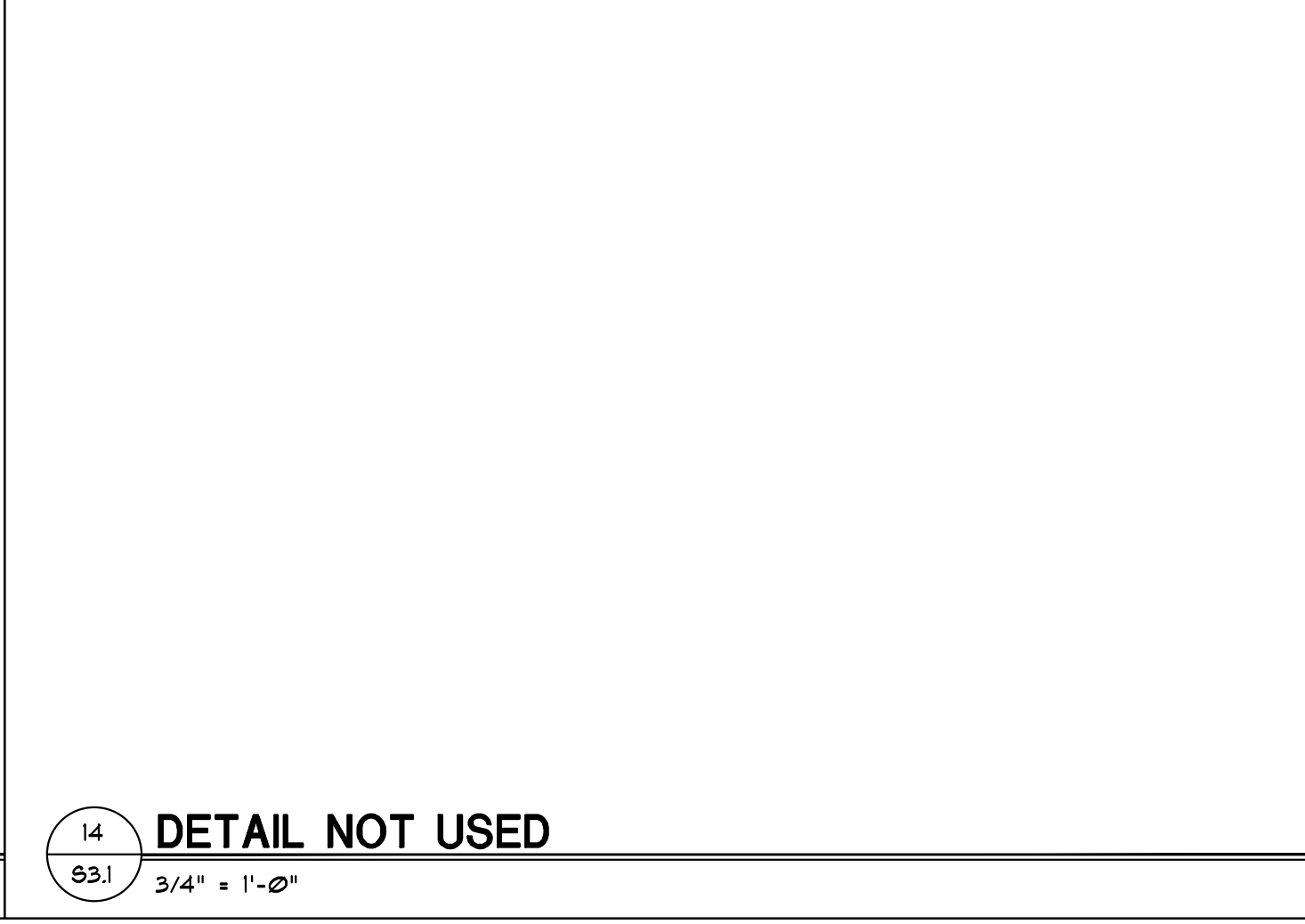
**11 SIMPSON STHD14 HOLDDOWN**  
S3.1 3/4" = 1'-0"



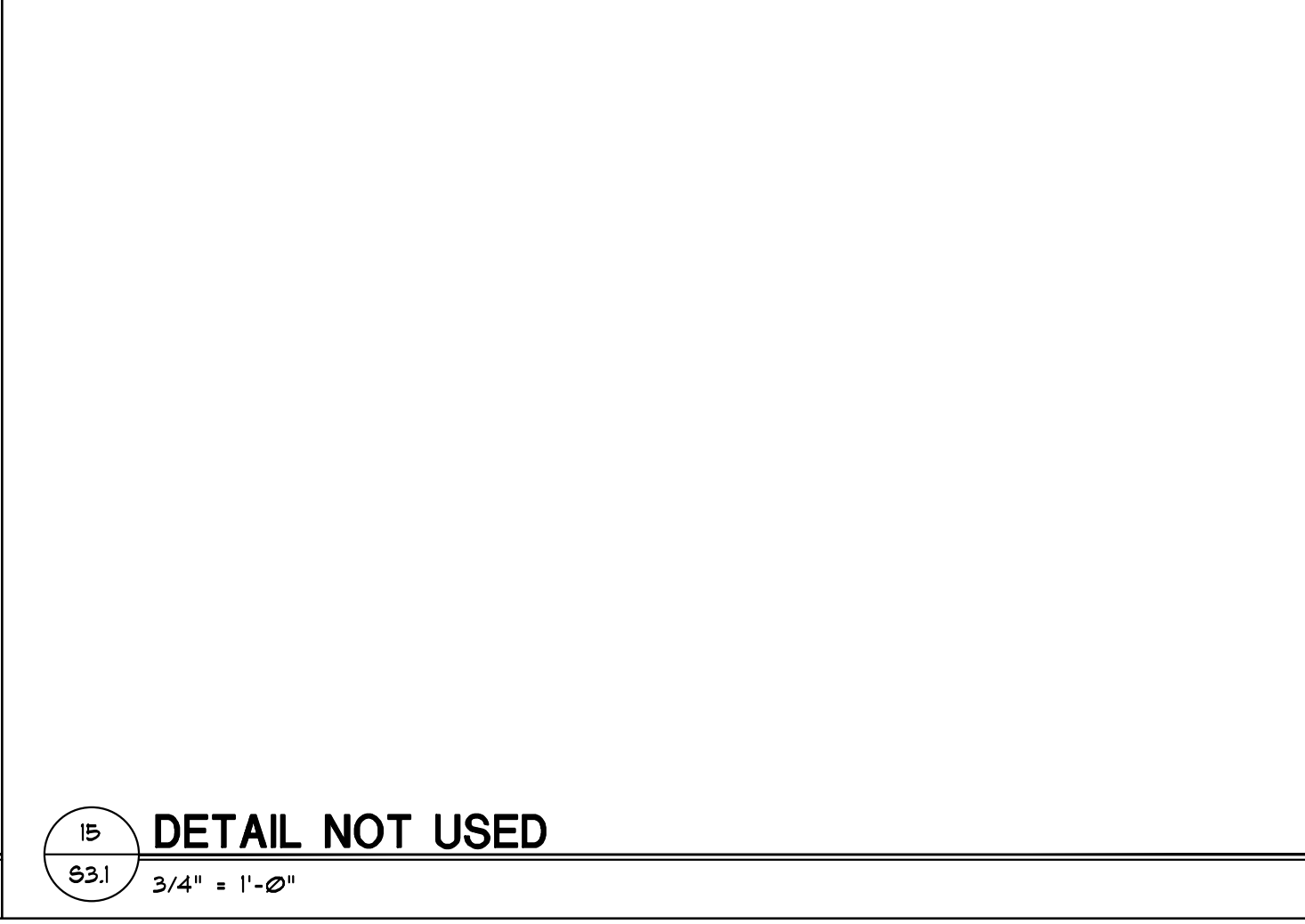
**12 TYPICAL COLUMN TO BEAM CONNECTION**  
S3.1 3/4" = 1'-0"



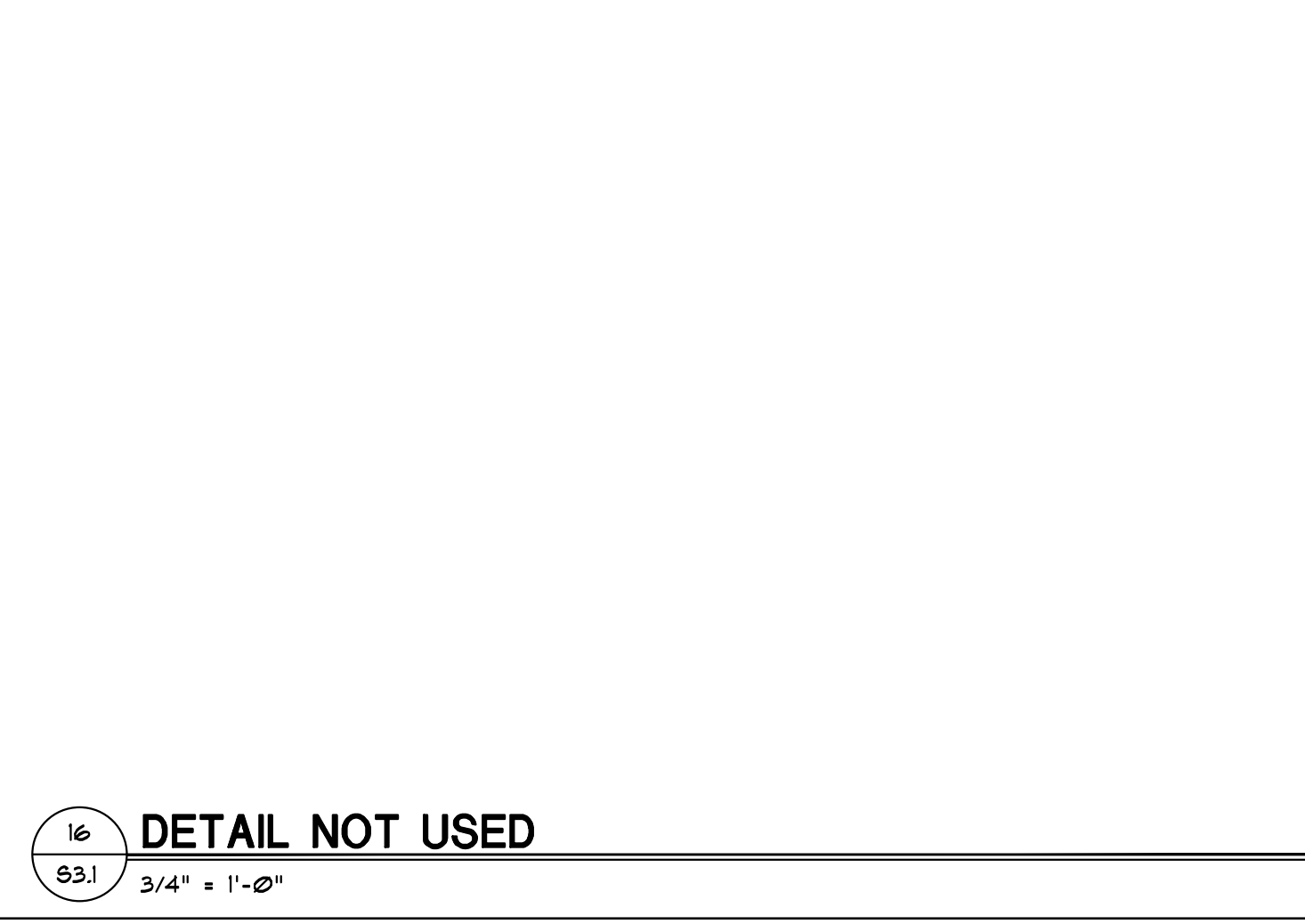
**13 DETAIL NOT USED**  
S3.1 3/4" = 1'-0"



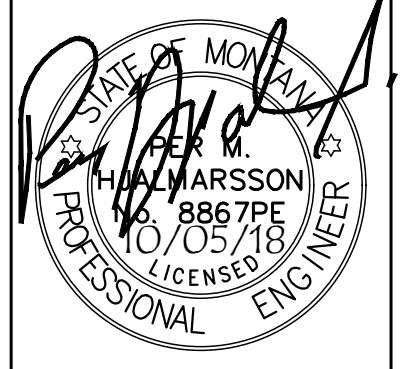
**14 DETAIL NOT USED**  
S3.1 3/4" = 1'-0"



**15 DETAIL NOT USED**  
S3.1 3/4" = 1'-0"



**16 DETAIL NOT USED**  
S3.1 3/4" = 1'-0"

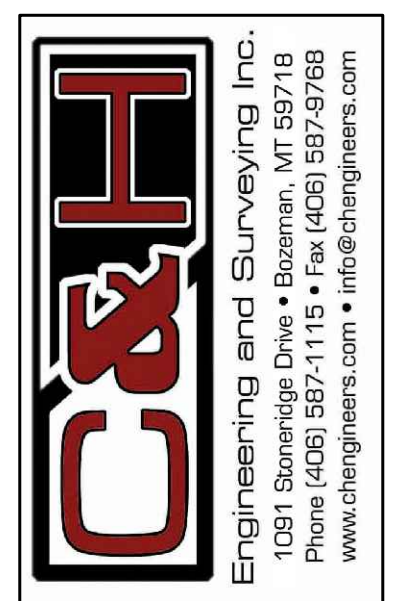
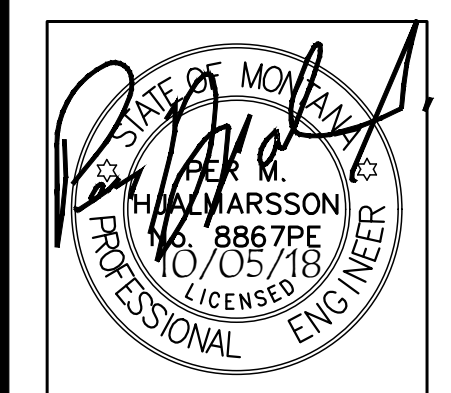


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ISSUED: 000000  
REVISION: 000000  
ENGINEER: JPM  
DRAWN: BCP

**STRUCTURAL DETAILS**

**JEFF PFEIL**  
**556 SPRUCE CONE DRIVE, LOT 26A**  
**SOUTH FORK SUBDIVISION, BIG SKY, MT**



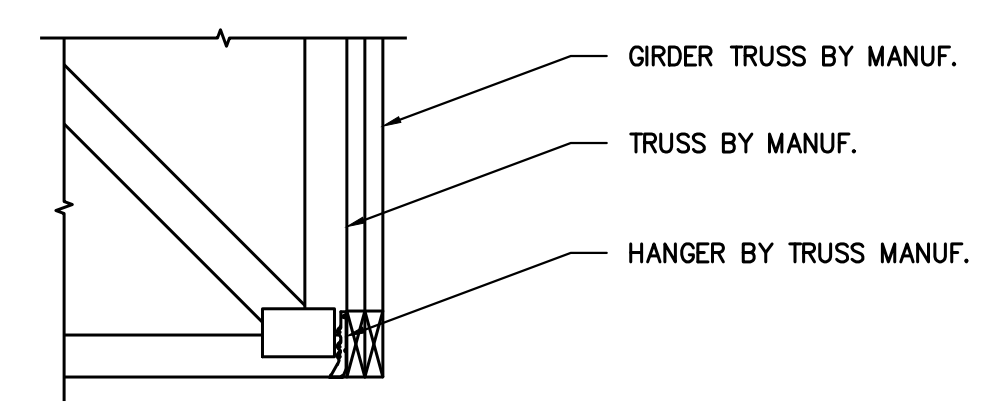
ISSUED: REVISION: ENGINEER: DRAWN: CHECK:

STRUCTURAL DETAILS

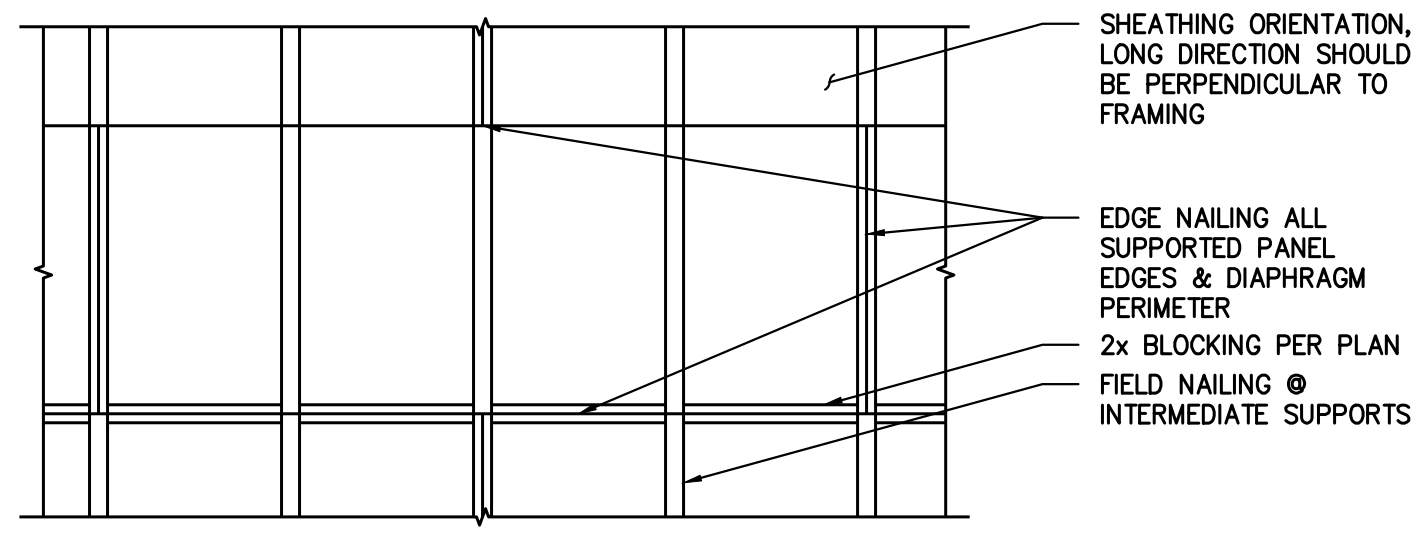
JEFF PFEIL  
556 SPRUCE CONE DRIVE, LOT 26A  
SOUTH FORK SUBDIVISION, BIG SKY, MT

DATE: 10/05/2018

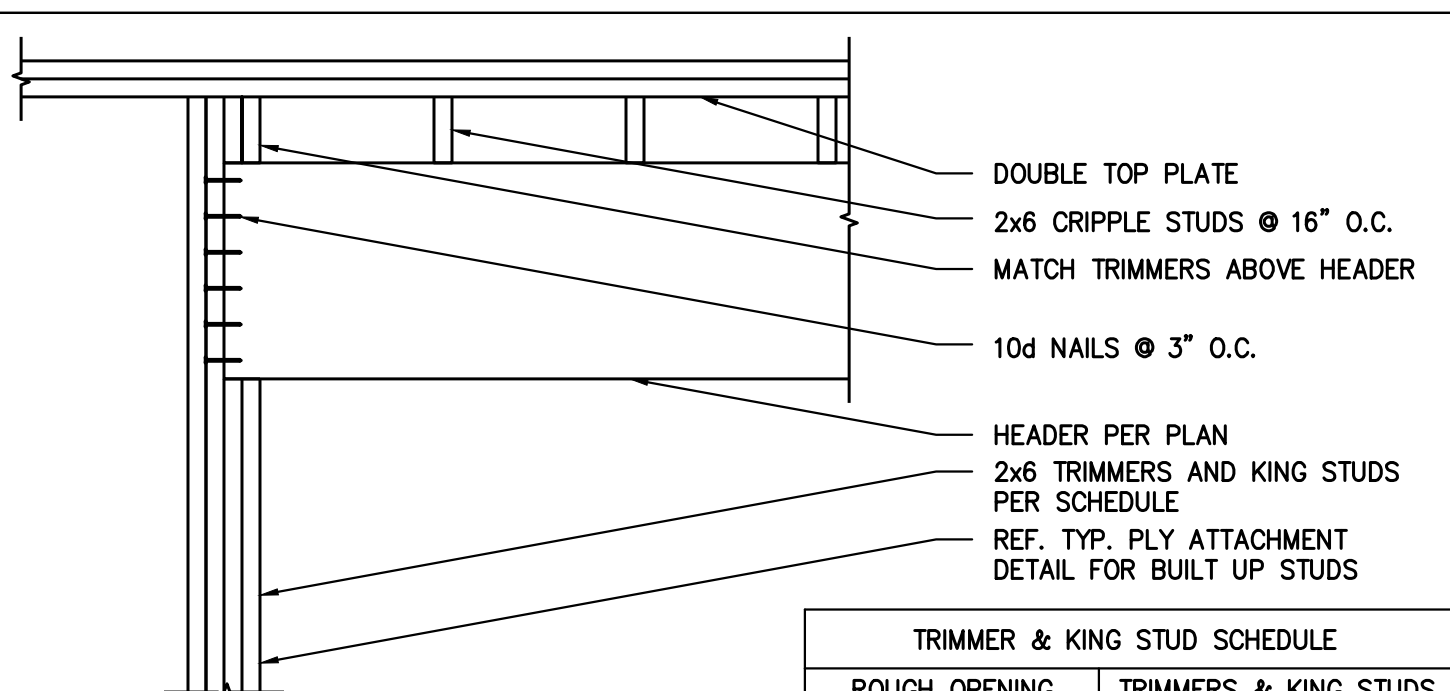
S3.2



4 GIRDER TRUSS DETAIL  
832 3/4" = 1'-0"

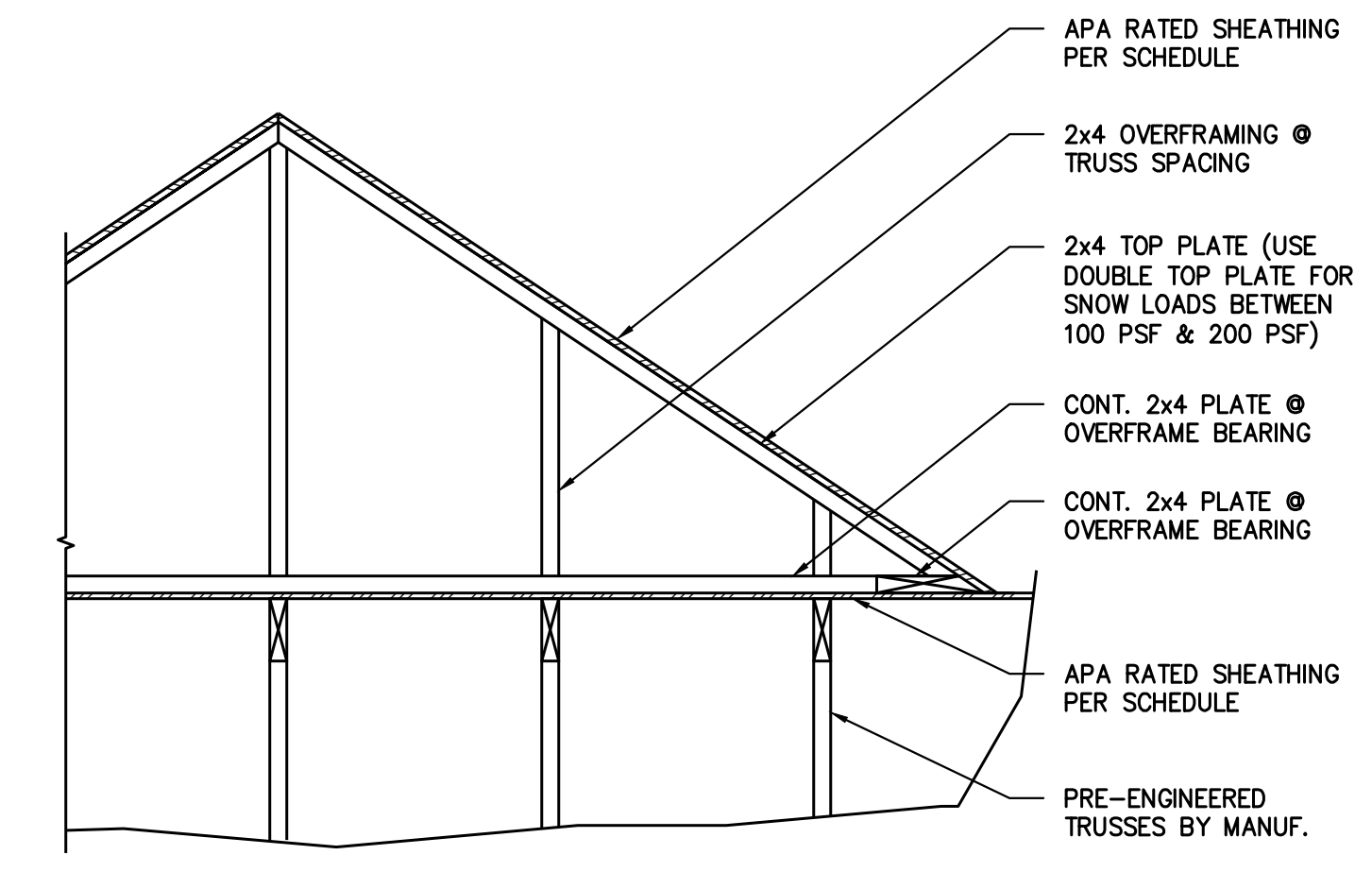


3 TYP. FLOOR AND ROOF SHEATHING  
832 3/4" = 1'-0"

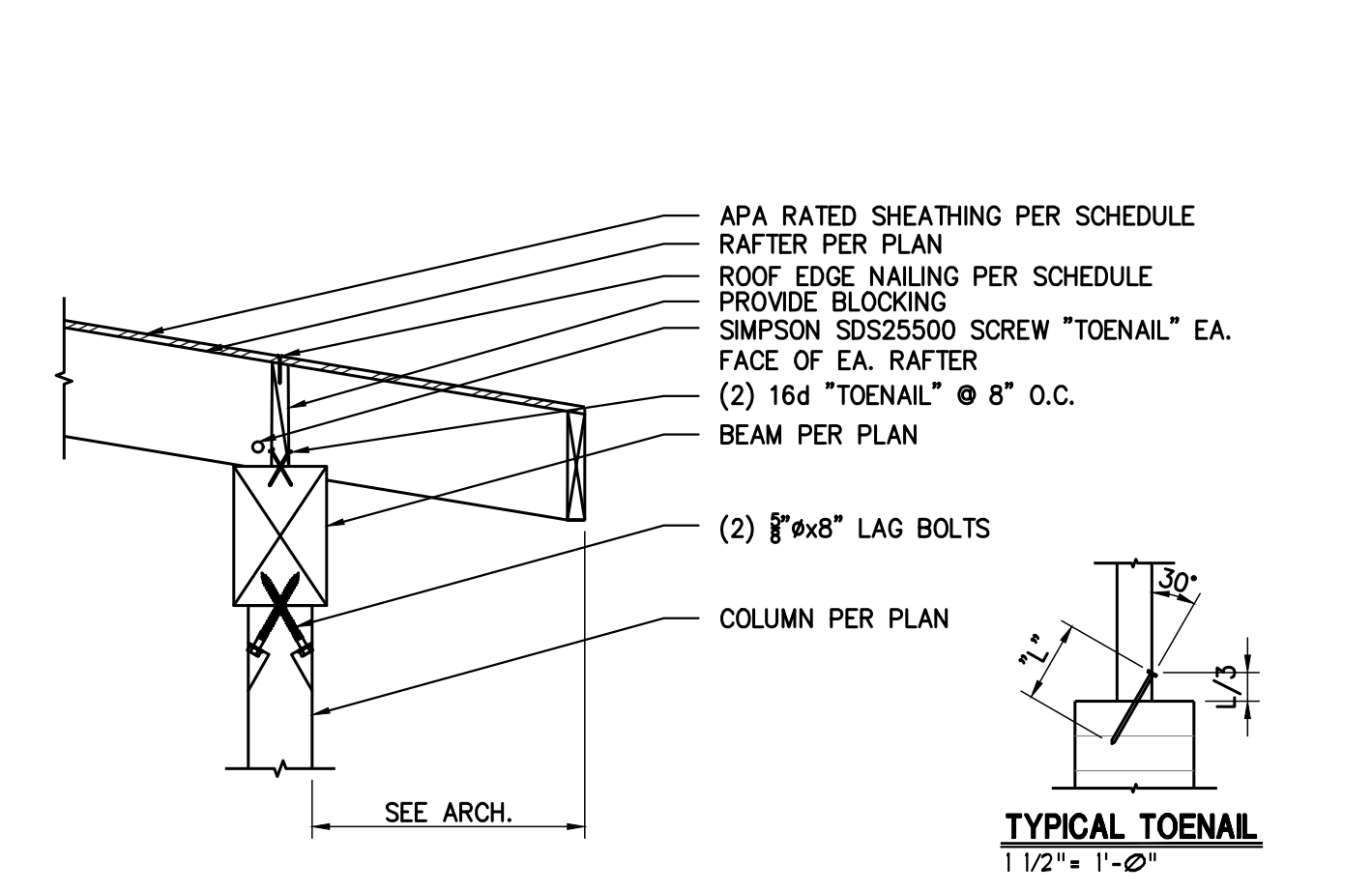


2 TYP. HEADER DETAIL - 9'-3" MAX. WALL HEIGHT  
832 3/4" = 1'-0"

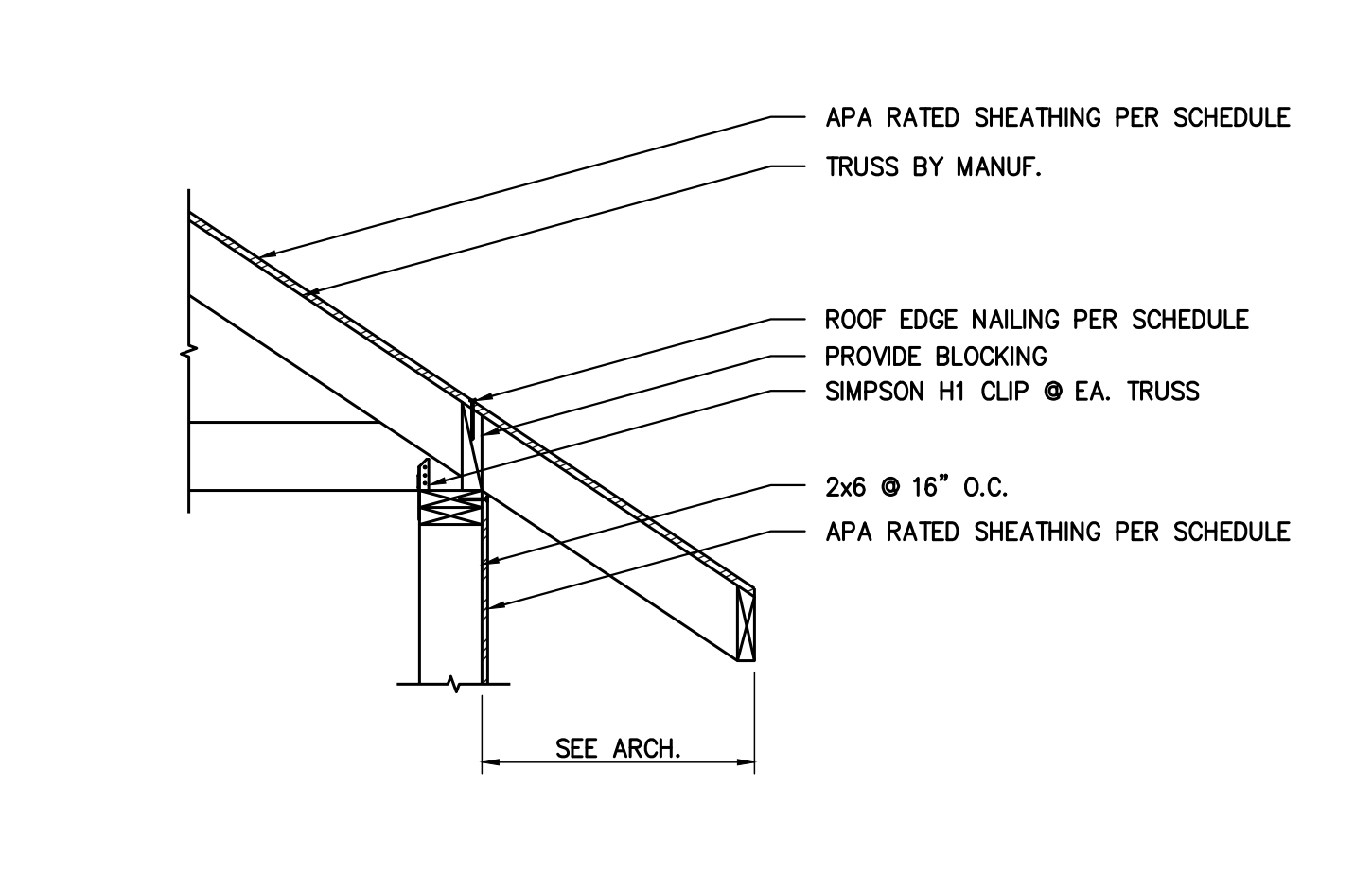
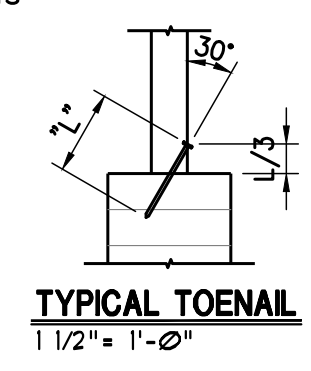
TRIMMER & KING STUD SCHEDULE	
ROUGH OPENING WIDTH	TRIMMERS & KING STUDS (TYP. U.N.O. ON PLAN)
LESS THAN 6'-0"	(1) 2x6 TRIMMER, (1) 2x6 KING STUD
6'-1" TO 10'-0"	(1) 2x6 TRIMMERS, (2) 2x6 KING STUDS
GREATER THAN 10'-0"	REF. PLAN



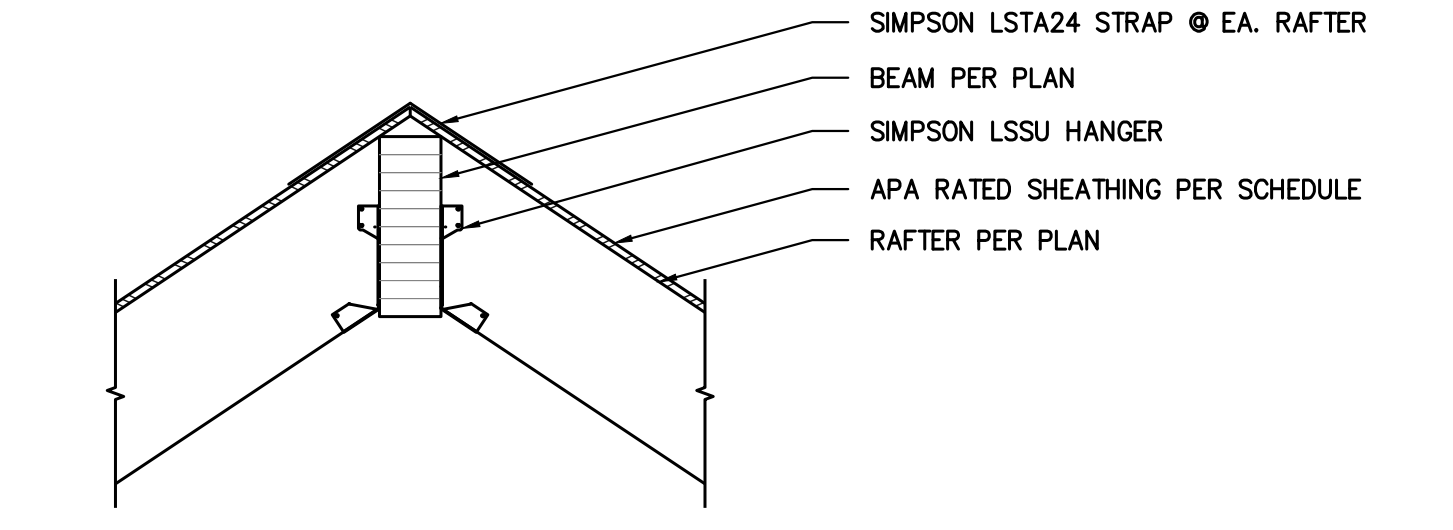
8 OVERFRAMING OVER PRE-ENGINEERED TRUSSES  
832 3/4" = 1'-0"



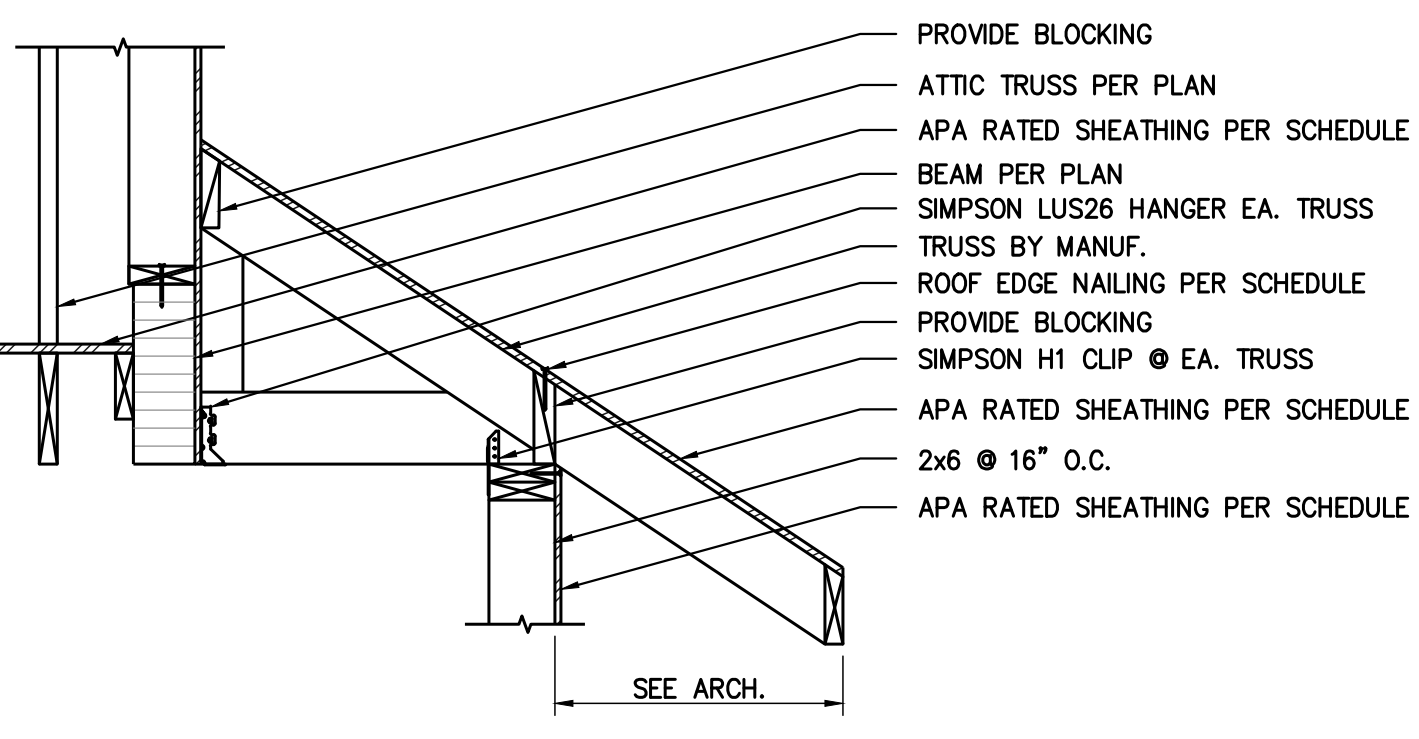
7 2x RAFTER BEARING AT BEAM  
832 3/4" = 1'-0"



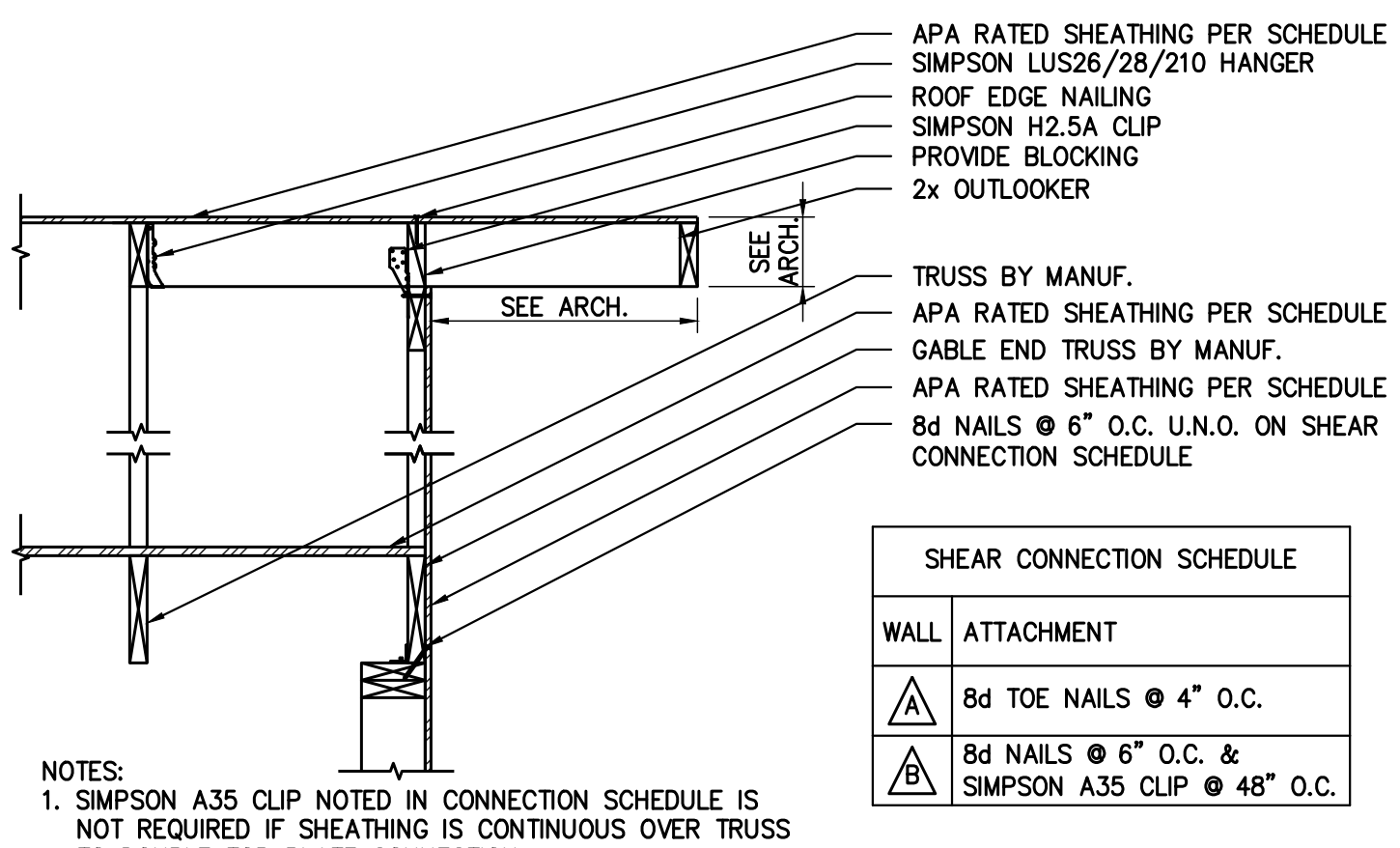
6 TRUSS BEARING DETAIL  
832 3/4" = 1'-0"



12 RAFTER RIDGE DETAIL  
832 3/4" = 1'-0"

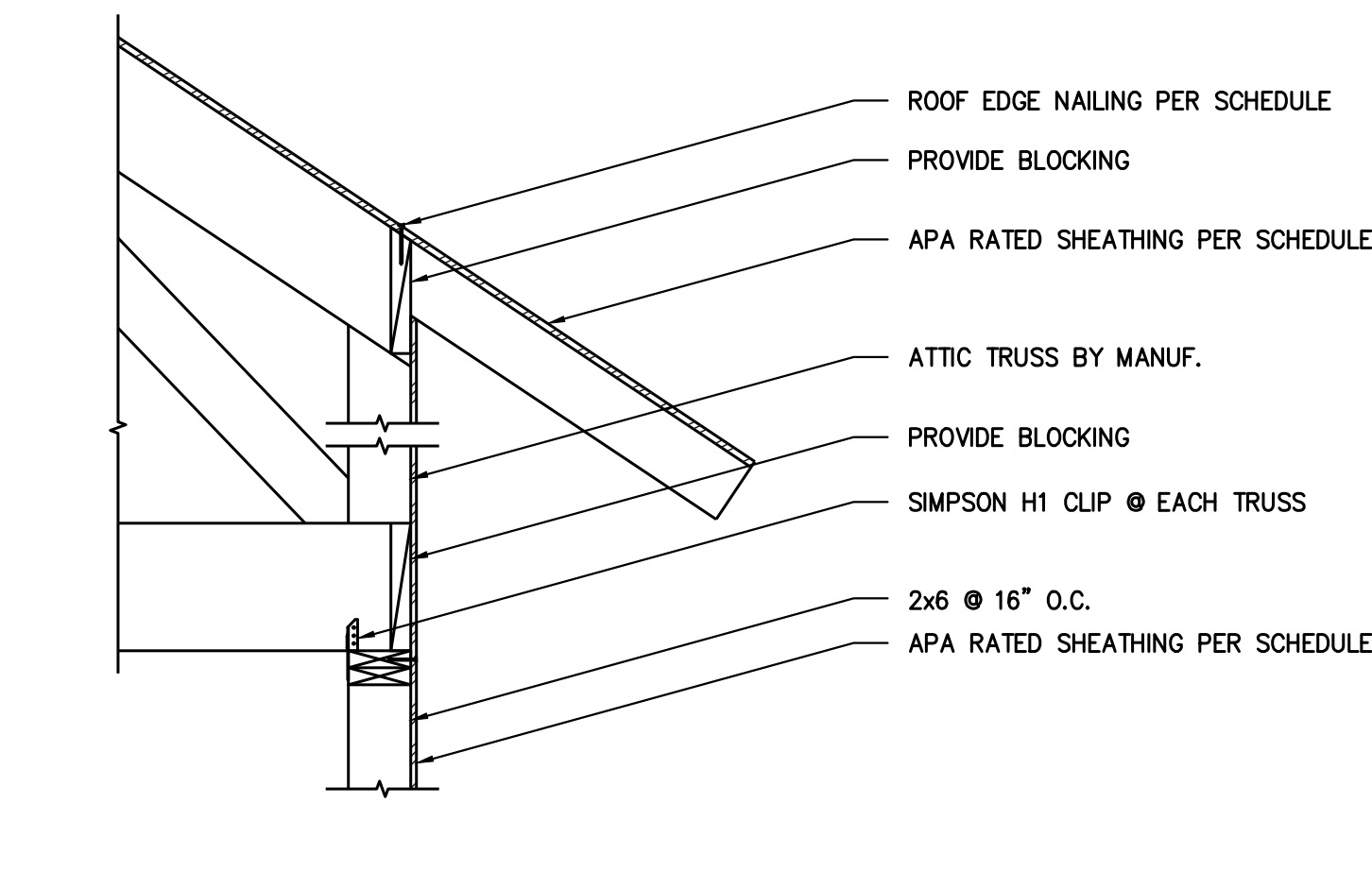


11 MONO TRUSS AT BEAM  
832 3/4" = 1'-0"

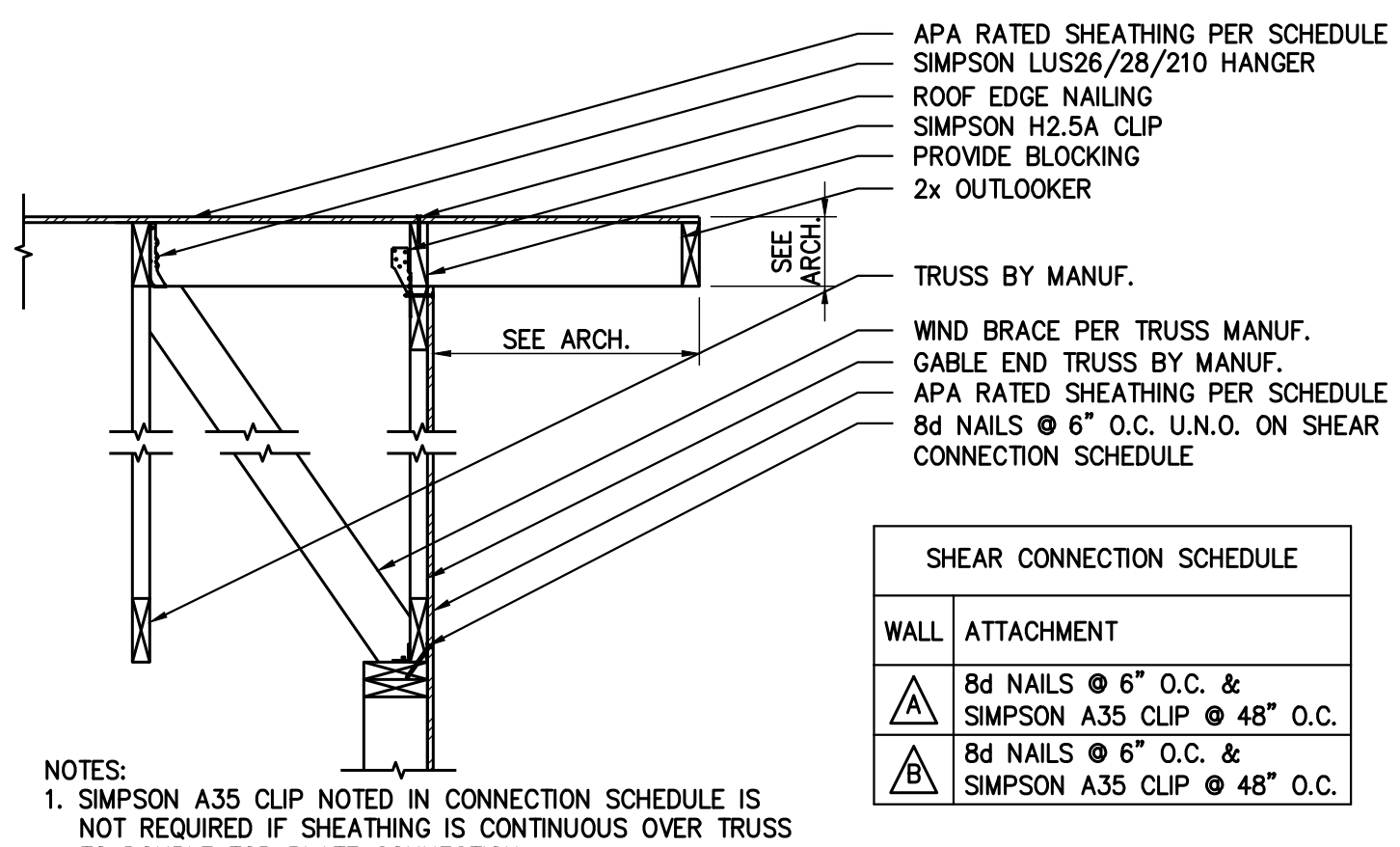


10 GABLE END TRUSS DETAIL  
832 3/4" = 1'-0"

SHEAR CONNECTION SCHEDULE	
WALL	ATTACHMENT
▲	8d TOE NAILS @ 4" O.C.
▲	8d NAILS @ 6" O.C. & SIMPSON A35 CLIP @ 48" O.C.



5 ATTIC TRUSS BEARING DETAIL  
832 3/4" = 1'-0"



9 GABLE END TRUSS DETAIL  
832 3/4" = 1'-0"

SHEAR CONNECTION SCHEDULE	
WALL	ATTACHMENT
▲	8d NAILS @ 6" O.C. & SIMPSON A35 CLIP @ 48" O.C.
▲	8d NAILS @ 6" O.C. & SIMPSON A35 CLIP @ 48" O.C.

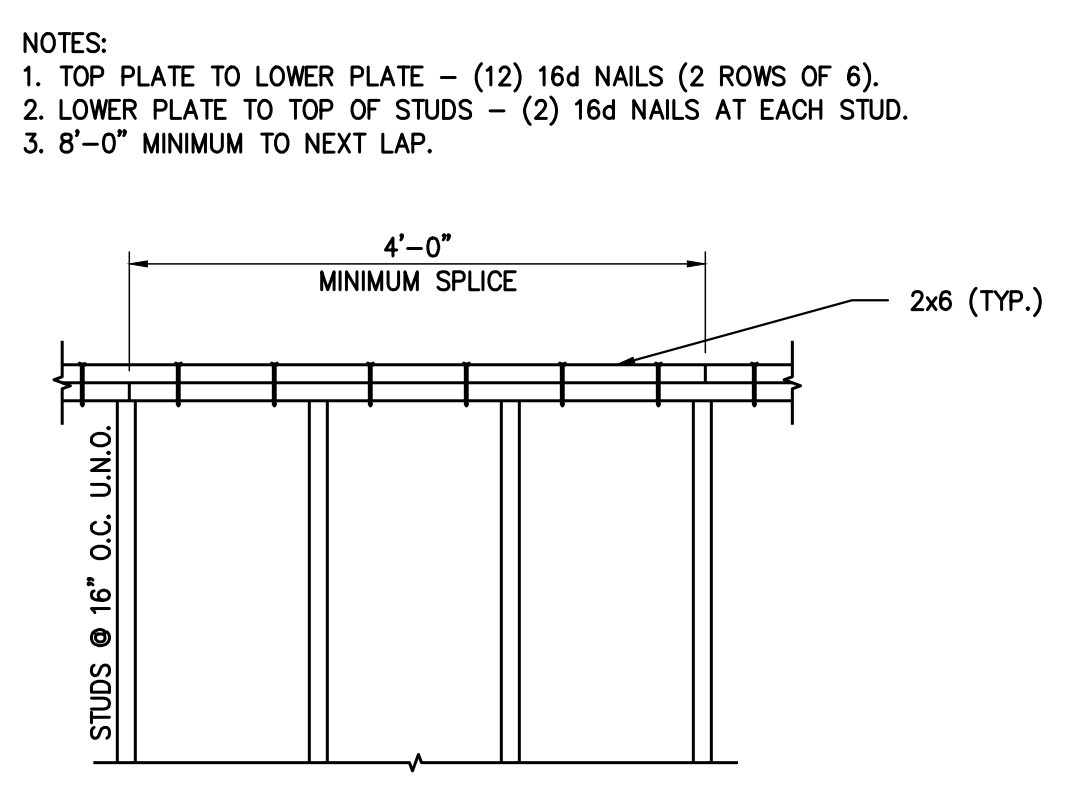
13 DETAIL NOT USED  
832 3/4" = 1'-0"

14 DETAIL NOT USED  
832 3/4" = 1'-0"

15 DETAIL NOT USED  
832 3/4" = 1'-0"

16 DETAIL NOT USED  
832 3/4" = 1'-0"

1 TYPICAL TOP PLATE SPLICE  
832 3/4" = 1'-0"



13 DETAIL NOT USED  
832 3/4" = 1'-0"