

**FOOTPRINT**

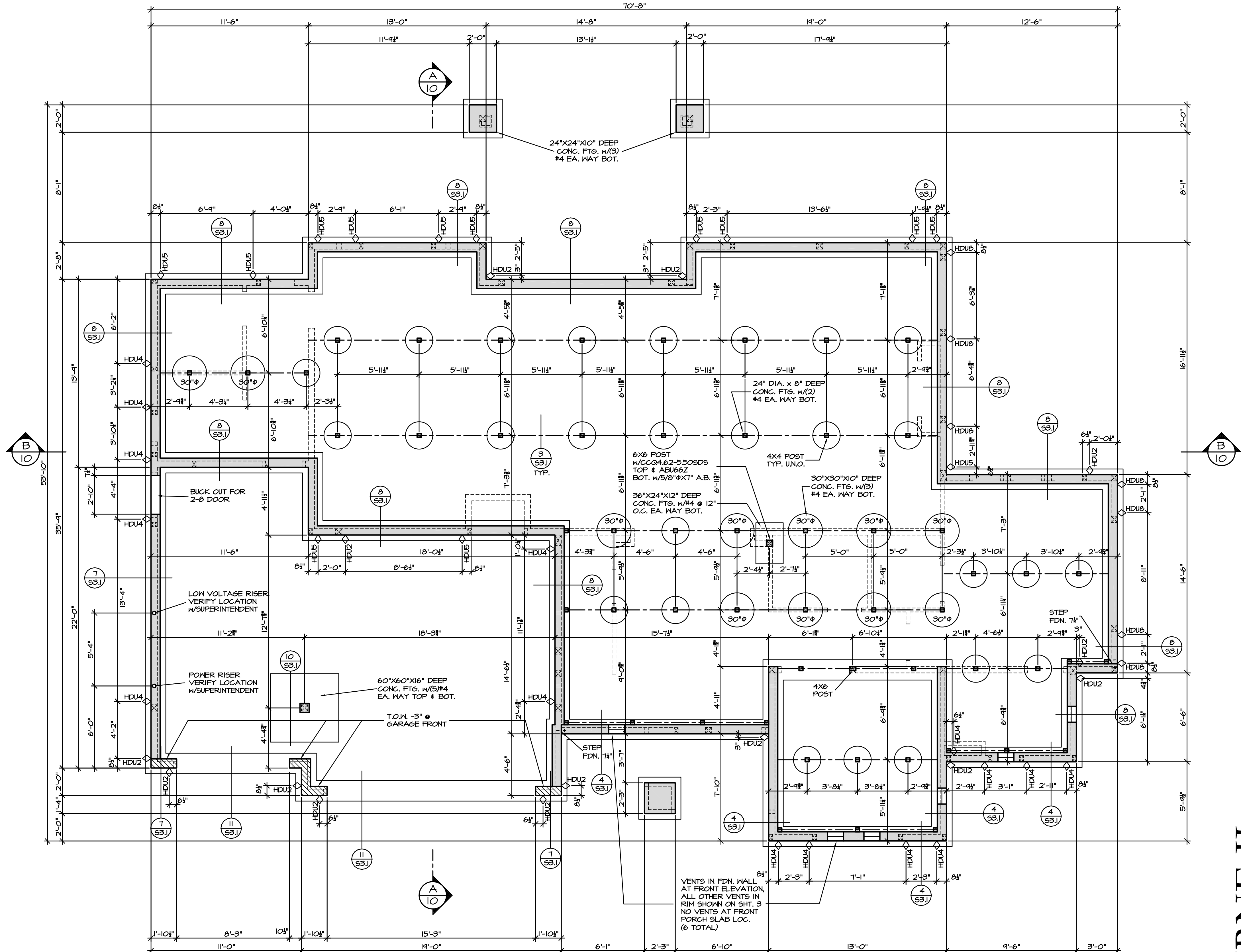
SCALE: 1" = 20'-0"

**FOUNDATION VENT CALC.**

CRAWL SPACE AREA = 1863 SQ.FT.  
 VENT AREA REQ'D =  $(1863 \text{ SQ. FT.}) / (144 \text{ SQ. IN. / SQ. FT.})$   
 = 1788 SQ. IN.  
 VENTS REQUIRED =  $(1788 \text{ SQ. IN.}) / (12.5 \text{ SQ. IN. per } 1' \times 14 \text{ vent})$   
 = (24) 1' X 14" VENTS  
 VENTS AT FRONT ELEVATION ARE IN FOUNDATION (JOIST INSIDE), REMAINDER WILL BE IN RIM SHOWN ON SHT. 13.

**NOTES:**

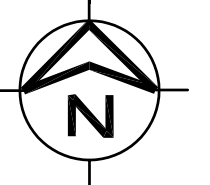
- FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND, REFERENCE TO STRUCTURAL DRAWINGS.
- ALL FOOTINGS AND STRUCTURAL SLABS TO BEAR ON COMPETENT NATIVE SOIL AND/OR STRUCTURAL FILL.
- ALL WOOD IN CONTACT W/ CONCRETE TO BE PRESSURE TREATED OR EQUAL.
- ALL POST TO BE 4X4 OR 4X6 AT BEAM SPLICES (U.N.O.)
- ALL BEAMS TO BE 4X10 D.F. (U.N.O.)
- ALL CONCRETE PADS TO BE 24" DIA. X 8" W(3) #4 EACH
- WAY TYP. (U.N.O.)
- STEP WALLS TO BE 8" WIDE WITH 18" WIDE X 8" DEEP FOOTINGS (U.N.O.)
- STEP FOOTINGS AS REQUIRED BY GRADE
- CONTRACTOR SHALL LOCATE AND VERIFY WITH OTHERS PRIOR TO POURING CONCRETE, ALL DOOR OPENINGS IN EXTERIOR FOUNDATION WALLS, DRAINS AND BLOCKOUTS FOR PLUMBING
- ANCHOR BOLTS TO BE 5/8" DIA X 7" MINIMUM EMBEDMENT @ 48" O.C. U.N.O. ON SHEARWALL SCHEDULE. PROVIDE HOT-DIPPED GALVANIZED WASHERS AT PRESSURE TREATED SILL PLATES
- CONCRETE SLAB IN GARAGE SLOPED TO DRAIN TOWARD OVERHEAD DOORS. REINF. W/6X6W/4X4W/4 W/F. SEE 2/531 FOR CONTROL & CONST. JOINT REQUIREMENTS.
- SEE CRAWL SPACE CALCULATION FOR NUMBER OF VENTS, ONE VENT OPENING SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE BUILDING PER IRC R402.2. NO VENTS AT FRONT PORCH.
- A GROUND COVER OF 6 MIL POLYETHYLENE REQ'D PER WA STATE ADJUDGMENT TO IRC SECTION R402.1
- ALL HARDWARE TO BE SIMPSON OR EQUAL.
- ALL DIMENSIONS ARE TO FACE OF FRAMING
- VERIFY ALL +/- DIMENSIONS IN FIELD



PROVIDE FULL DEPTH VERTICAL GRAIN BLOCKING IN FLOOR CAVITY BELOW SUPPORTED POSTS & MULTI-STUD COLUMNS TYP. ALL LOCATIONS

**FOUNDATION PLAN**

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



**SHELburne II**

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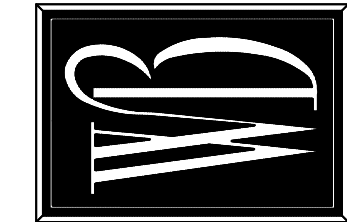


FOUNDATION PLAN  
 9017 SE 60th St

JOB NO.	9119
DATE	10/30/21
DRAWN BY	DS
ENGINEER	S.S.F.

REVISION	DATE
1	6/7/22

SHEET  
**2**  
 OF 16



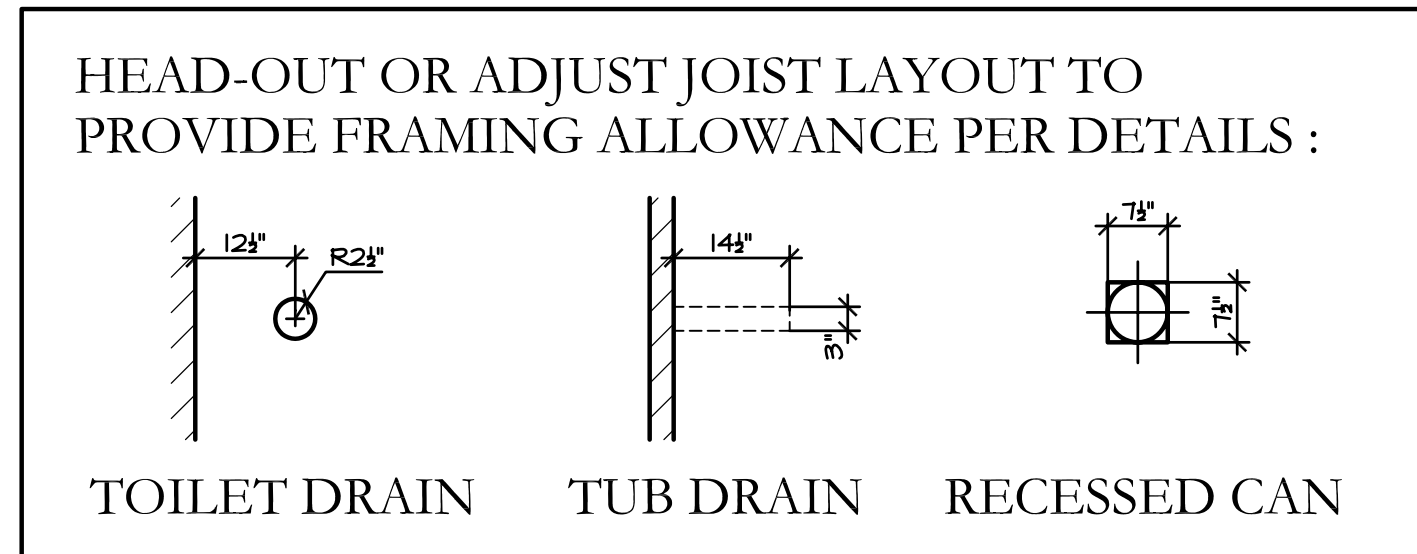
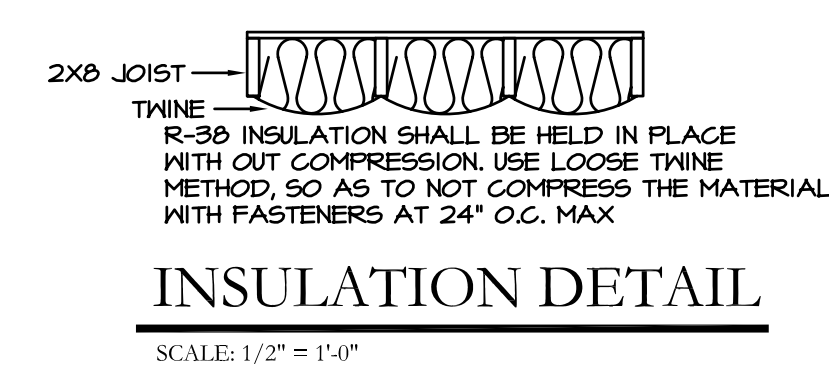
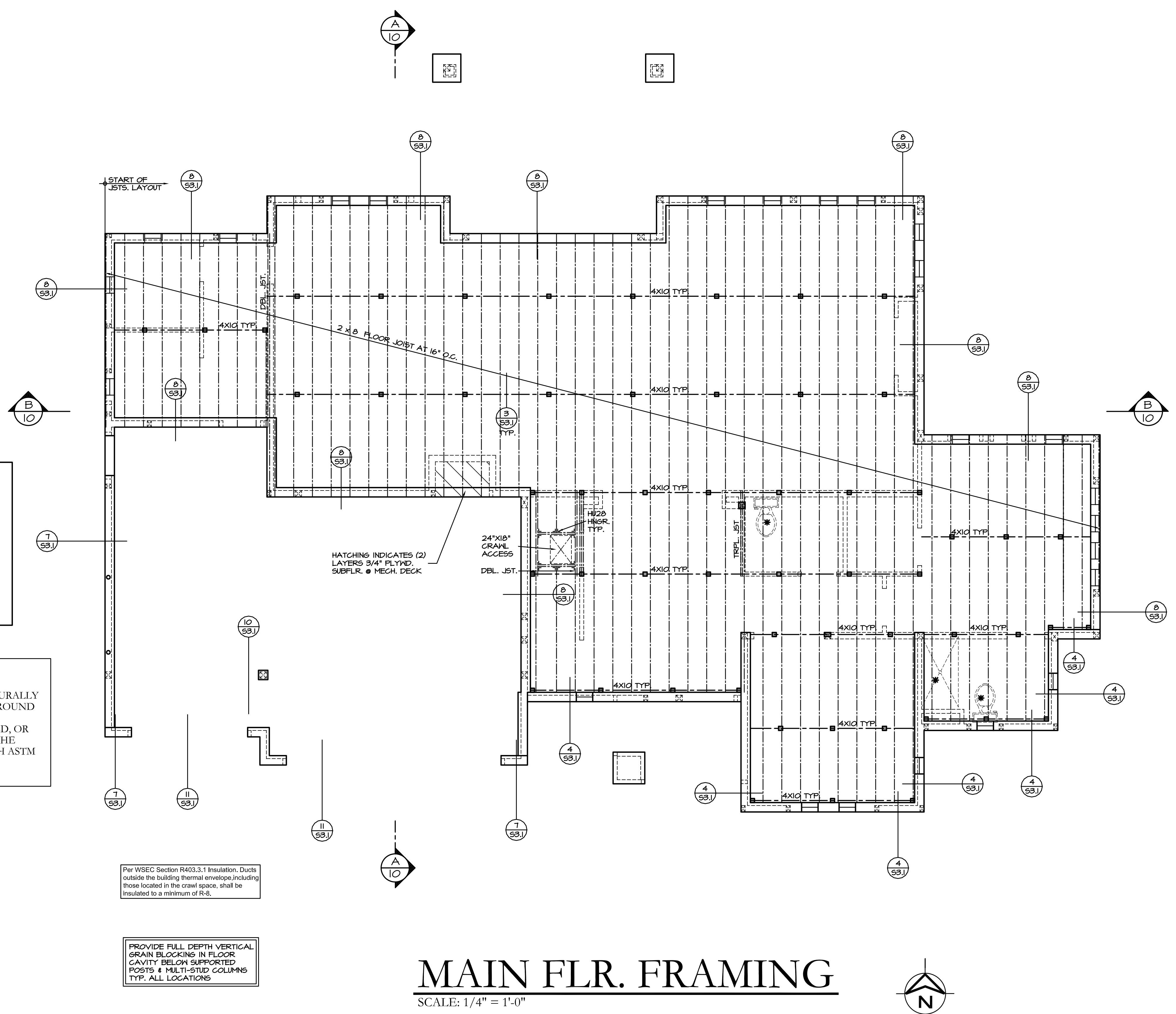
CONTENT  
 MAIN FLR. FRAMING  
 9017 SE 60th St

JOB NO.  
 9119  
 DATE  
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 S.S.F.

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SHEET  
 3  
 OF 16

SHELburne II



- CONSTRUCTION NOTES:
1. ALL WOOD IN CONTACT WITH CONCRETE MUST BE PRESSURE TREATED OR NATURALLY RESISTANT TO DECAY. TREAT ALL CUT ENDS WITH END CUT SOLUTION. USE GROUND CONTACT TREATED WOOD. ALL WOOD TO BE HEM-FIR #2 OR BETTER.
  2. FASTENERS, NAILS, HANGERS, ETC., STAINLESS STEEL, HOT-DIPPED GALVANIZED, OR AS SPECIFICALLY REQUIRED FOR THE SPECIFIED WOOD PRESERVATIVE USED. THE COATING WEIGHTS FOR ZINC COATED FASTENERS TO BE IN ACCORDANCE WITH ASTM A 153.
  3. ATTACHEMENT TO BE PER MANUFACTURE SPECIFICATIONS.

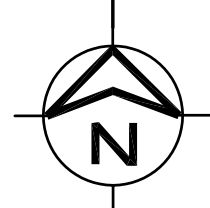
- NOTES:
1. FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND, REFERENCE TO STRUCTURAL DRAWINGS.
  2. ALL WOOD IN CONTACT W/ CONCRETE TO BE PRESSURE TREATED OR EQUAL.
  3. ALL MAIN FLOOR JOIST TO BE 2x8 LAYOUT. NOTIFY ENGINEER/BUILDER OF ANY REVISIONS TO PLAN.
  4. ALL JOISTS TO LAP 6" MINIMUM.
  5. PROVIDE DOUBLE JOISTS AROUND ALL FLOOR OPENINGS GREATER THAN 24" ON ONE SIDE.
  6. FLOOR SHEATHING TO BE 23/32" TONGUE AND GROOVE APA-RATED STURD-FLOOR OR EQUAL. SHEATHING TO BE GLUED AND NAILED TO FRAMING WITH 0.131" DIA X 2-1/2" NAILS AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. FIELD (N.O.). LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
  7. SEE CRAWL SPACE CALCULATION FOR NUMBER OF VENTS, ONE VENT OPENING SHALL BE WITHIN 3 FEET OF EACH CORNER OF THE BUILDING PER IRC R408.2.
  8. CROSS HATCHING INDICATES OVER-FRAMING.
  9. ALL HARDWARE TO BE SIMPSON OR EQUAL.
  10. ALL DIMENSIONS ARE TO FACE OF FRAMING.
  11. VERIFY ALL +/- DIMENSIONS IN FIELD.

Per WSEC Section R403.3.1 Insulation. Dusts outside the building thermal envelope including those located in the crawl space, shall be insulated to a minimum of R-8.

PROVIDE FULL DEPTH VERTICAL GRAIN BLOCKING IN FLOOR CAVITY BELOW SUPPORTED POSTS & MULTI-STUD COLUMNS TYP. ALL LOCATIONS

# MAIN FLR. FRAMING

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





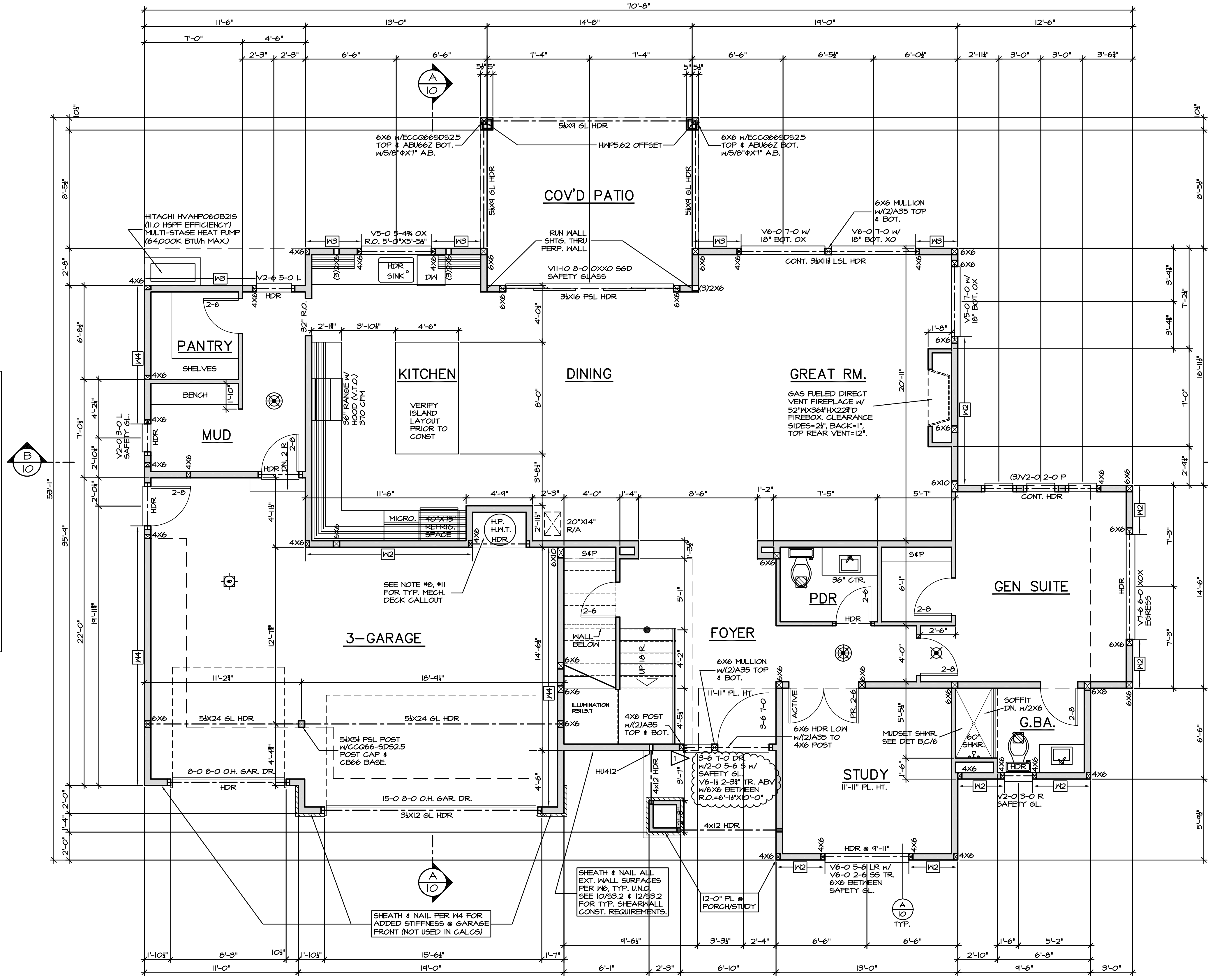
CONTENT  
 MAIN FLOOR PLAN  
 9017 SE 60th St

JOB NO.  
 9119  
 DATE  
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 DS  
 ENGINEER  
 S.S.F.

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SHEET  
 4  
 OF 16

SHELburne II



608.3 Expansion Tanks, and Combination, Temperature and Pressure-Relief Valves. A water system provided with a check valve, backflow preventer, or other normally closed device that prevents dissipation of building pressure back into the water main, independent of the type of water heater used, shall be provided with an approved, listed, and adequately sized expansion tank or other approved device having a similar function to control thermal expansion. Such expansion tank or other approved device shall be installed on the building side of the check valve, backflow preventer, or other device and shall be sized and installed in accordance with the manufacturer's installation instructions.

R302.11 Fireblocking. In combustible construction, fire-blocking shall be provided to cut off both vertical and horizontal concealed draft openings and to form an effective fire barrier between stories, and between a top story and the roof space.

Fireblocking shall be provided in wood-framed construction in the following locations:

- In concealed spaces of stud walls and partitions, including furred spaces and parallel rows of studs or staggered studs, as follows:
  - Vertically at the ceiling and floor levels.
  - Horizontally at intervals not exceeding 10 feet (3048 mm).
- At interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings and cove ceilings.
- In concealed spaces between stair stringers at the top and bottom of the run. Enclosed spaces under stairs shall comply with Section R302.7.
- At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with an approved material to resist the free passage of flame and products of combustion. The material filling this annular space shall not be required to meet the ASTM E 136 requirements.
- For the fireblocking of chimneys and fireplaces, see Section R1003.19.

- NOTES:
- FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND, REFERENCE TO STRUCTURAL DRAWINGS.
  - ALL WOOD PLATES TO BE 10'-0" (UN.O.)
  - ALL HEADERS (HDR) TO BE 8'-0" EXTERIOR AND 6'-10" INTERIOR (UN.O.) POCKETS @ 1'-0", BI-FOLDS @ 6'-10"
  - ALL EXTERIOR WALLS ARE 2X6 @ 16" O.C., FOR LUMBER GRADE, REFERENCE STRUCTURAL GENERAL NOTES
  - ALL INTERIOR BEARING WALLS ARE 2X4 @ 16" O.C., FOR LUMBER GRADE, REFERENCE STRUCTURAL GENERAL NOTES
  - HEADERS(HDRS)/BEAMS(BMS) SHOWN BUT NOT SPECIFIED SHALL BE 4X12(UN.O.) ALL HEADERS/BEAMS SHALL BE SUPPORTED BY (I) TRIMMER AND (II) KING STUP (UN.O.) WHERE MORE THAN 1 TRIMMER IS REQUIRED, THE NUMBER OF TRIMMER STUDS SHALL BE NOTED THIS (N). TRIMMER LOADS TO BE ADEQUATELY TRANSFERRED TO THE FOUNDATION. SEE 3/53.2 FOR TYP HDR. CONST. REQUIREMENTS.
  - PILOTS, BURNERS, HEATING ELEMENTS AND SWITCHES TO FURNACE AND WATER HEATER SHALL BE LOCATED A MINIMUM OF 18" ABOVE GARAGE FLOOR AND BE PROTECTED FROM VEHICULAR COLLISION
  - FIRE STOPS SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS FROM VERTICAL TO HORIZONTAL SPACES, INCLUDING STAIRWELLS, TUBS AND SHOWERS, FIREPLACES, ETC.
  - GWB NOTE: USE 1/2" TYPE X GWB UNDER STAIRS W/ FINISHED SPACE BELOW
  - AREA SEPARATION NOTE: USE 2 LAYERS 1/2" PLYWOOD FOR TOP DECKING ON ALL EXPOSED SUB-FLOOR IN GARAGE
  - R 304.1, OPENINGS BETWEEN THE GARAGE AND THE RESIDENCE SHOULD BE EQUIPPED WITH SOLID WOOD DOORS OR SOLID/HONEYCOMB STEEL DOORS AT LEAST 1-3/8" THICK. A 20 MINUTE FIRE RATED DOOR IS ALSO ACCEPTABLE. REQ'D TO BE SELF CLOSING PER IRC 302.5.1
  - R304.2, SEPARATION REQUIRED, THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ITS ATTIC AREA BY NOT LESS THAN 1/2" GYPSUM BOARD APPLIED TO THE GARAGE SIDE. GARAGES BENEATH HABITABLE ROOMS SHALL BE SEPARATED FROM ALL HABITABLE ROOMS ABOVE BY NOT LESS THAN 5/8" TYPE-X GYPSUM BOARD OR EQUIVALENT. WHERE THE SEPARATION IS A FLOOR-CEILING ASSEMBLY THE STRUCTURE SUPPORTING THE SEPARATION SHALL ALSO BE PROTECTED BY NOT LESS THAN 1/2" GYPSUM BOARD OR EQUIVALENT
  - ALL HARDWARE TO BE SIMPSON OR EQUAL
  - ALL DIMENSIONS TO FACE OF FRAMING
  - VERIFY ALL +/- DIMENSIONS IN FIELD
  - ALL EXTERIOR WALLS SHALL BE W6 UNLESS NOTED OTHERWISE
  - PER TABLE R402.1.1 FOOTNOTE M, ALL EXT. WALL HDRS ARE REQ'D TO BE INSULATED WITH MIN. R-10 INSUL.

GROSS FLOOR AREA

MAIN FLOOR (STAIR INCLUDED)	1868 S.F.
UPPER FLOOR	1480 S.F.
GARAGE	609 S.F.
<b>TOTAL FLOOR AREA</b>	<b>4457 S.F.</b>

ELECTRICAL SYMBOLS

- 50 CFM EXHAUST FAN VENTED TO OUTSIDE (UN.O.)
- SMOKE DETECTOR W/ BATTERY BACKUP
- CARBON MONOXIDE SMOKE DETECTOR W/ BATTERY BACKUP
- HEAT DETECTOR W/ BATTERY BACKUP

MAIN FLOOR PLAN

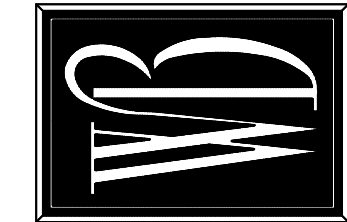
SCALE: 1/4" = 1'-0"

Per IRC Section R302.5.2 Duct penetration, Ducts in the garage and ducts penetrating the walls or ceilings separating the dwelling from the garage shall be constructed of a minimum No. 26 gage (0.48 mm) sheet steel or other approved material and shall not have openings into the garage.

Per WSEC Section R403.3.1 Insulation. Ducts outside the building thermal envelope, including those located in the crawl space, shall be insulated to a minimum of R-8.

SQUARE FOOTAGE CALC.

MAIN FLOOR PLAN	1868 S.F.
UPPER FLOOR PLAN	2119 S.F.
<b>TOTAL LIVING AREA</b>	<b>3987 S.F.</b>
GARAGE	609 S.F.
COVERED PORCH	59 S.F.
COVERED PATIO	184 S.F.



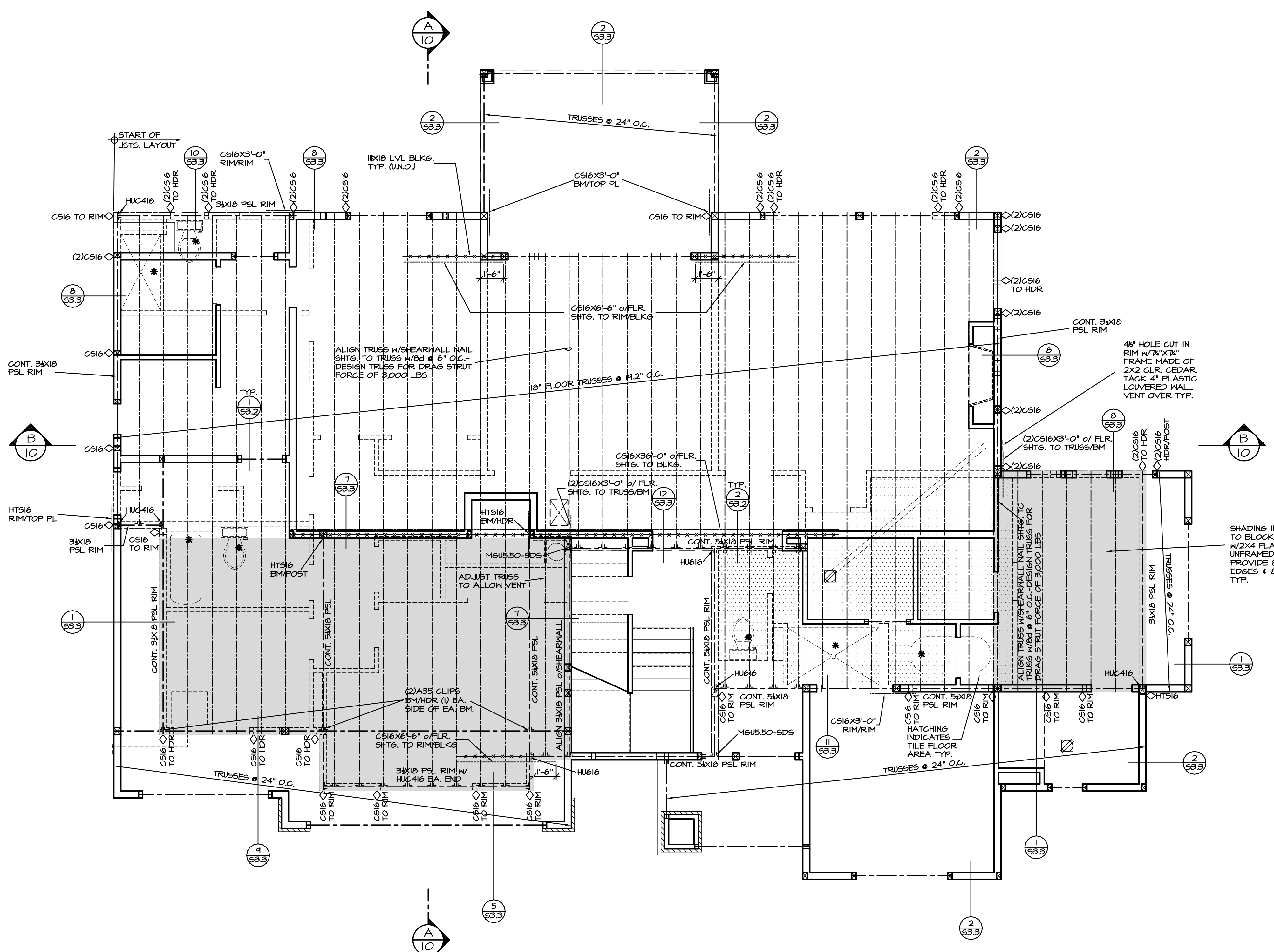
UPPER FLR. FRAMING  
 9017 SE 60th St

JOB NO. 9119  
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 ENGINEER S.S.F.

REVISION	DATE
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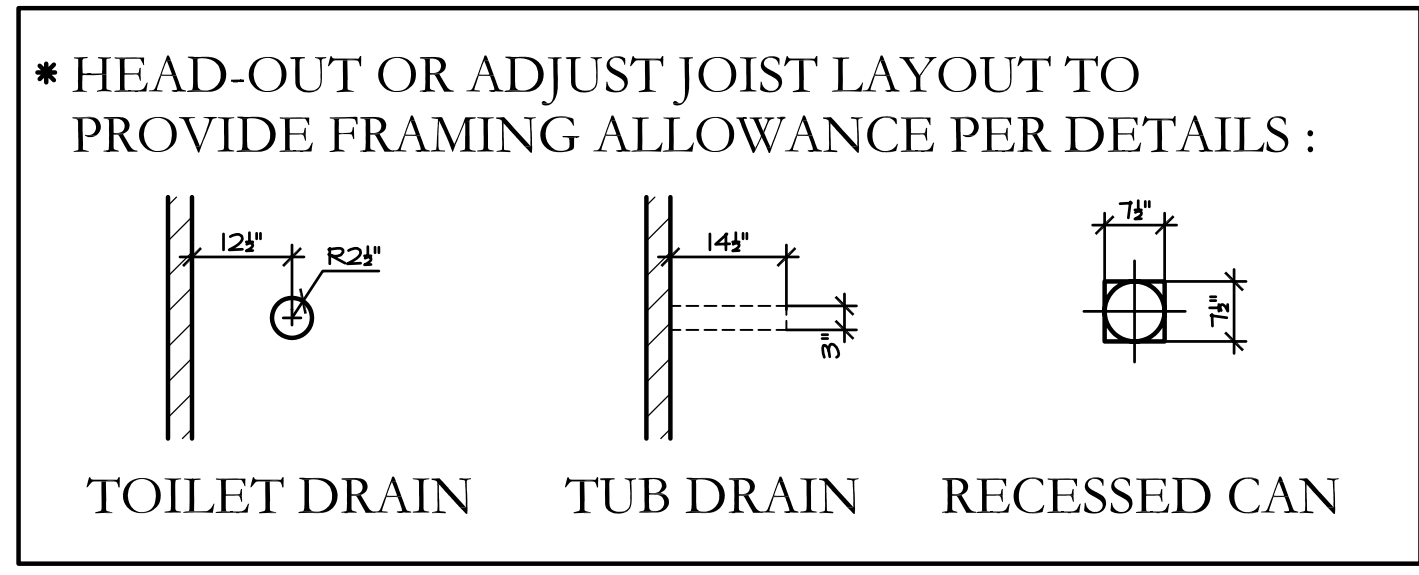

SHEET 5 OF 16

SHELburne II



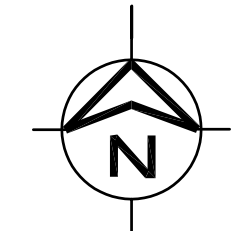
**NOTES:**

- FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND, REFERENCE TO STRUCTURAL DRAWINGS.
- FLOOR TRUSS LAYOUT IS APPROXIMATE. FLOOR TRUSS SUPPLIER IS RESPONSIBLE FOR FINAL LAYOUT & CONFIGURATION. NOTIFY ENGINEER/BUILDER OF ANY REVISIONS TO PLAN.
- ALL UPPER FLOOR JOIST TO BE 18" FLOOR TRUSSES @ 14.2" O.C. U.N.O.
- ALL JOISTS TO LAP 6" MINIMUM.
- ALL RIM JOISTS TO BE 1-1/2" LSL MINIMUM (U.N.O.)
- PROVIDE DOUBLE JOISTS AROUND ALL FLOOR AND ROOF OPENINGS GREATER THAN 24" ON ONE SIDE (U.N.O.)
- FLOOR SHEATHING TO BE 23/32" TONGUE AND GROOVE APA-RATED STURD-I-FLOOR OR EQUAL. SHEATHING TO BE GLUED AND NAILED TO FRAMING WITH 0.131" DIA X 2-1/2" NAILS AT 6" O.C. AT PANEL EDGES AND AT 12" O.C. FIELD (U.N.O.). LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES.
- CROSS HATCHING INDICATES OVER-FRAMING.
- ALL HARDWARE TO BE SIMPSON OR EQUAL.
- ALL DIMENSIONS TO FACE OF FRAMING.
- VERIFY ALL +/- DIMENSIONS IN FIELD.



**UPPER FLR. FRAMING**

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



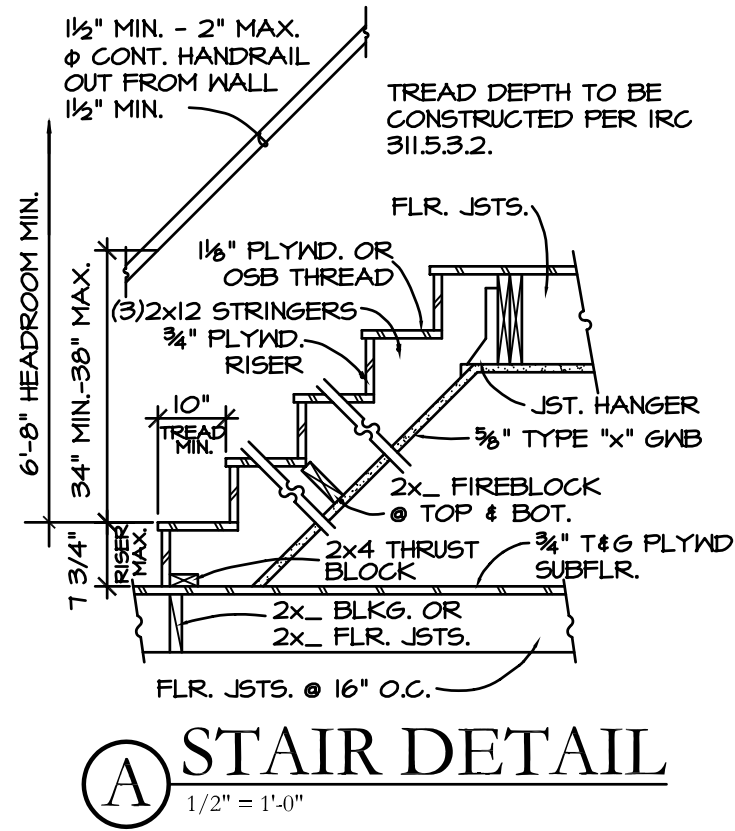
SHADING INDICATES AREA TO BLOCK FLR SHEATHING W/2X4 FLAT BLKG. ● ALL UNFRAMED PANEL EDGES PROVIDE 8d @ 4" O.C. PANEL EDGES & 8d @ 12" O.C. FIELD TYP.

PROVIDE FULL DEPTH BLKG IN JST CAVITY ● ALL POST & MULTI-STUD COLUMNS FROM UPPER FLOOR TYP.

R302.11 Fireblocking. In combustible construction, fire-blocking shall be provided to cut off both vertical and horizontal concealed draft openings and to form an effective fire barrier between stories, and between a top story and the roof space.

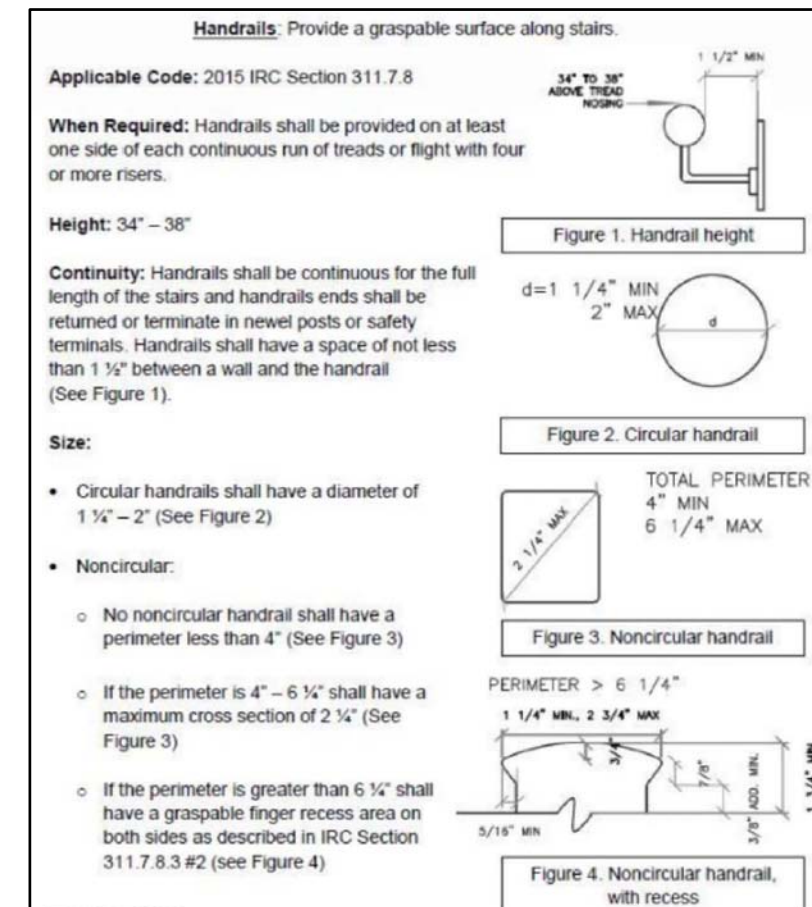
Fireblocking shall be provided in wood-framed construction in the following locations:

- In concealed spaces of stud walls and partitions, including furred spaces and parallel rows of studs or staggered studs, as follows:
  - Vertically at the ceiling and floor levels.
  - Horizontally at intervals not exceeding 10 feet (3048 mm).
- At interconnections between concealed vertical and horizontal spaces such as occur at soffits, drop ceilings and cove ceilings.
- In concealed spaces between stair stringers at the top and bottom of the run. Enclosed spaces under stairs shall comply with Section R302.7.
- At openings around vents, pipes, ducts, cables and wires at ceiling and floor level, with an approved material to resist the free passage of flame and products of combustion. The material filling this annular space shall not be required to meet the ASTM E 136 requirements.
- For the fireblocking of chimneys and fireplaces, see Section R1003.19.

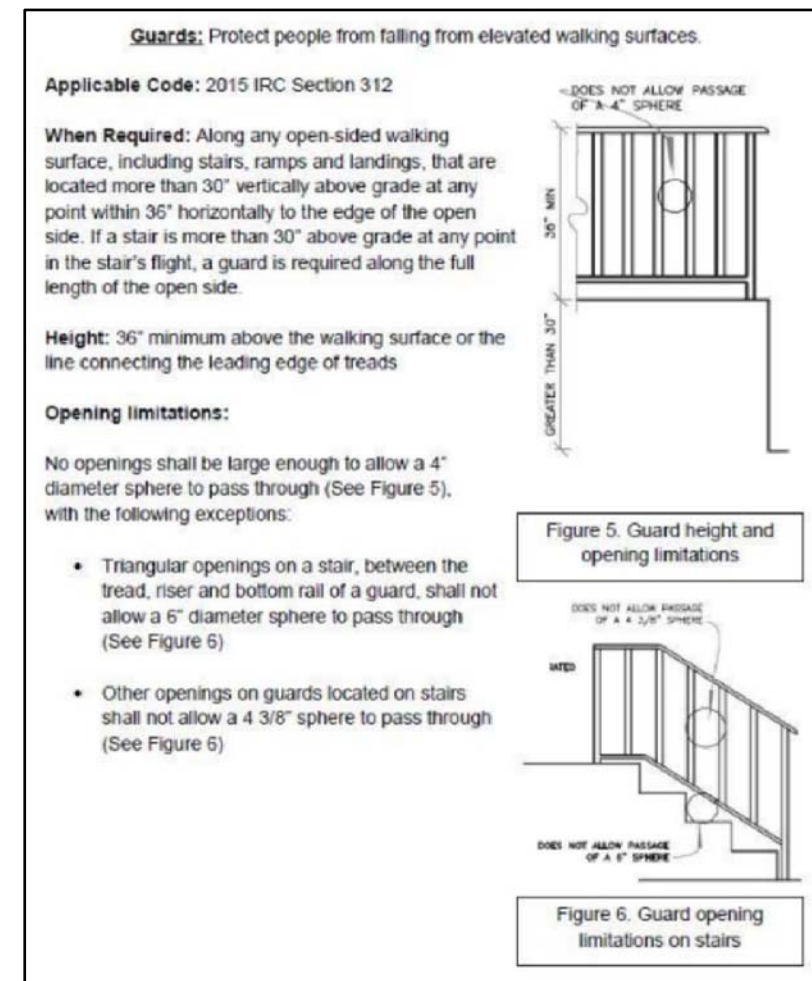


**NOTES:**

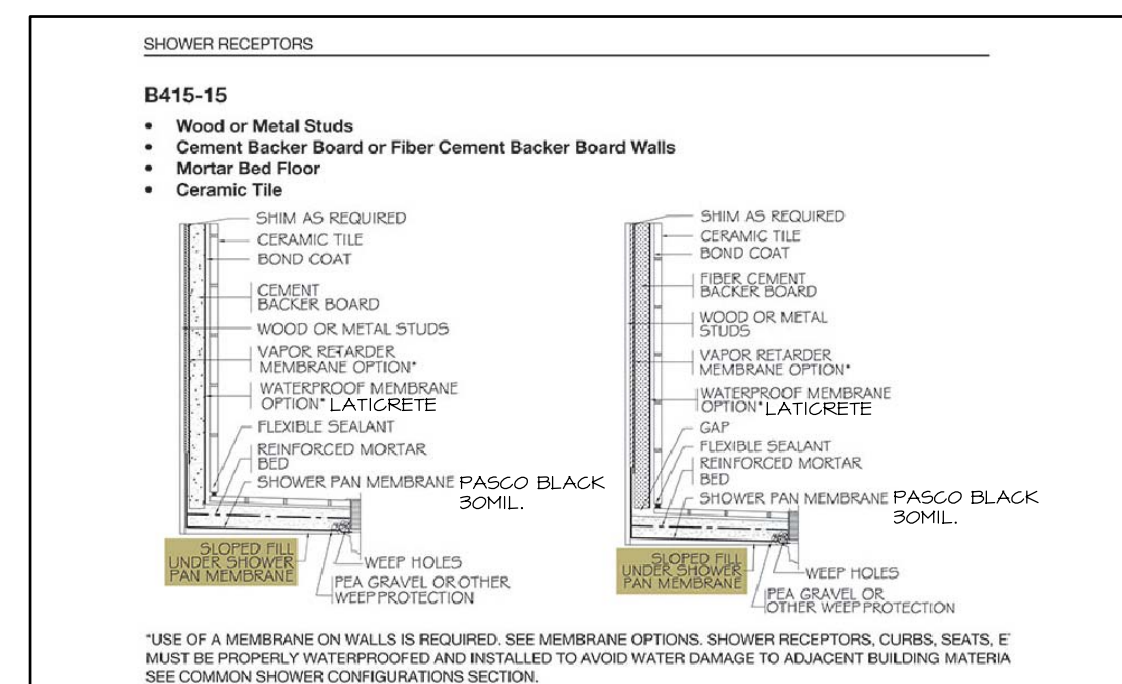
- FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND, REFERENCE TO STRUCTURAL DRAWINGS.
- ALL WOOD PLATES TO BE 2x4 (U.N.O.)
- ALL HEADERS (HDR) TO BE 4x10 @ 7'-0\"/>



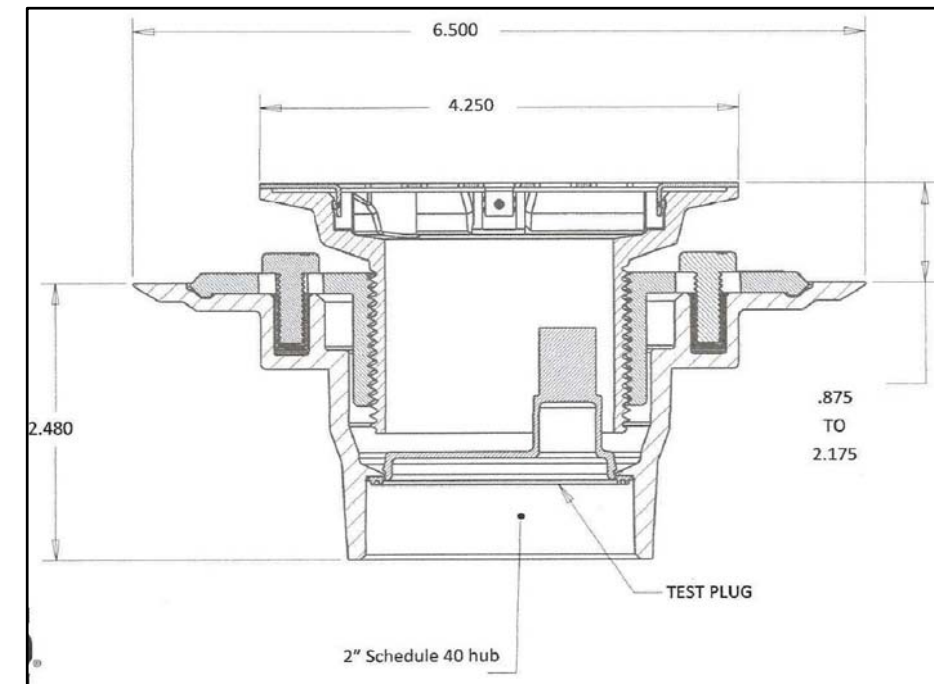
**D HANDRAIL DETAIL**  
N.T.S.



**E GUARDRAIL DETAIL**  
N.T.S.



**B SHOWER DETAIL**  
N.T.S.



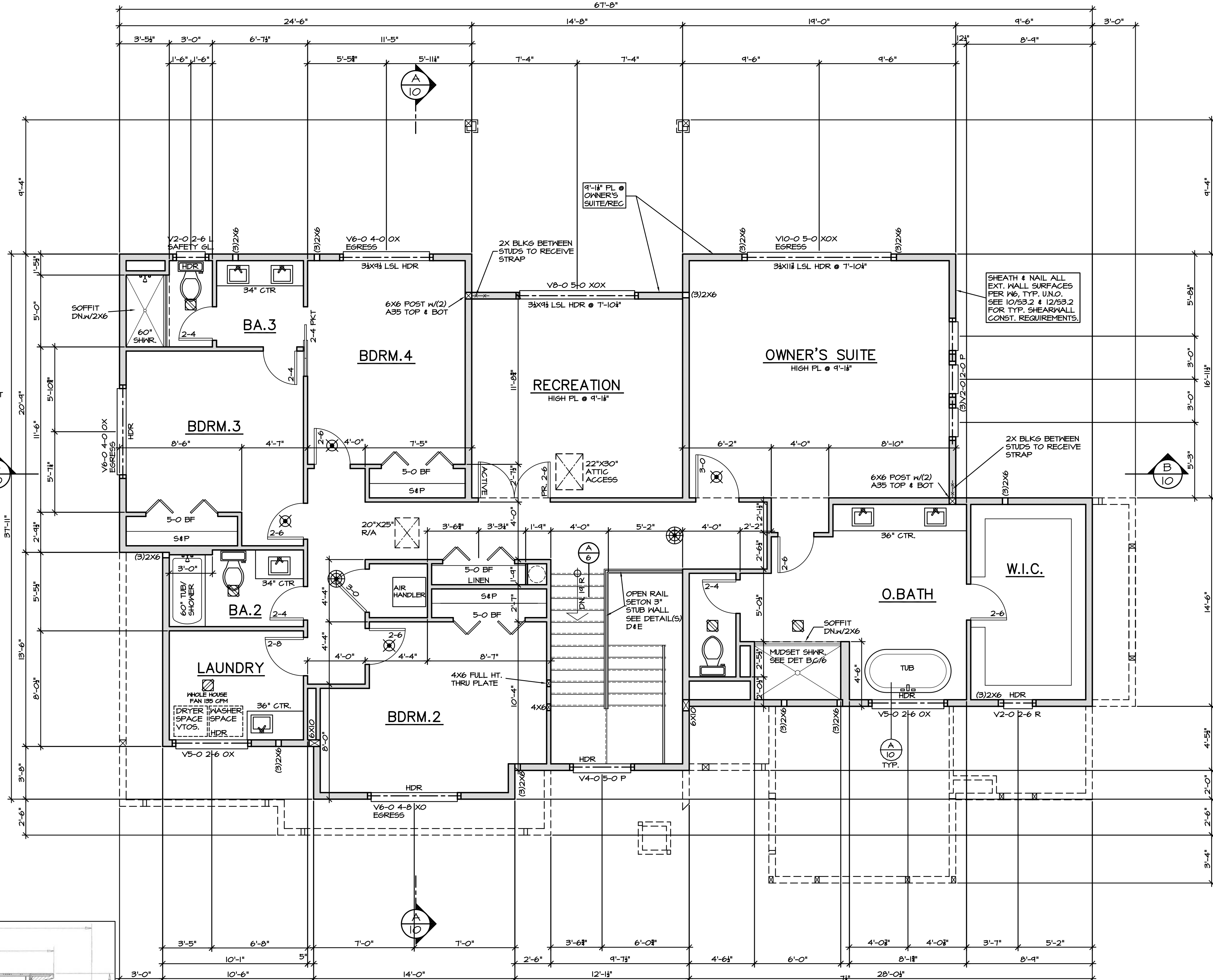
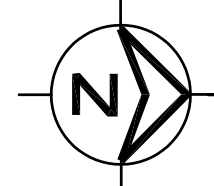
**C SHOWER DRAIN**  
N.T.S.

**ELECTRICAL SYMBOLS**

- EXHAUST FAN VENTED TO OUTSIDE
- SMOKE DETECTOR
- CARBON MONOXIDE SMOKE DETECTOR

**UPPER FLOOR PLAN**

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



**SHELburne II**

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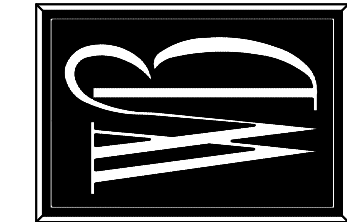


**UPPER FLOOR PLAN**  
9017 SE 60th St

**JOB NO.**  
9119  
**DATE**  
10/30/21  
**DRAWN BY**  
DS  
**ENGINEER**  
S.S.F.

**REVISION DATE**  
6/7/22

**SHEET**  
**6**  
OF 16



CONTRACT  
**ROOF FRAMING PLAN**  
 9017 SE 60th St

JOB NO.  
 9119  
 DATE  
 10/30/21  
 DRAWN BY  
 DS  
 ENGINEER  
 S.S.F.

REVISION	DATE
1	6/7/22

SHEET  
**7**  
 OF 16

**ATTIC VENT CALCULATION**

ATTIC AREA = 2360 SQ.FT  
 VENT AREA REQ'D =  $\frac{2360 \text{ SQ.FT.}}{300} = 7.86 \text{ SQ.FT.}$   
 VENTS REQUIRED =  $\frac{(3.43 \text{ SQ.FT.})}{(0.334 \text{ SQ.FT./VENT})} = (12) \text{ 8"X8" ROOF JACKS}$   
 $\frac{8"X8" \text{ ROOF JACK VENT AREA} = 0.667 \times 0.667 \times 1288 = 0.334 \text{ SQ.FT./VENT}}$   
 MINIMUM 3" ABOVE EAVE

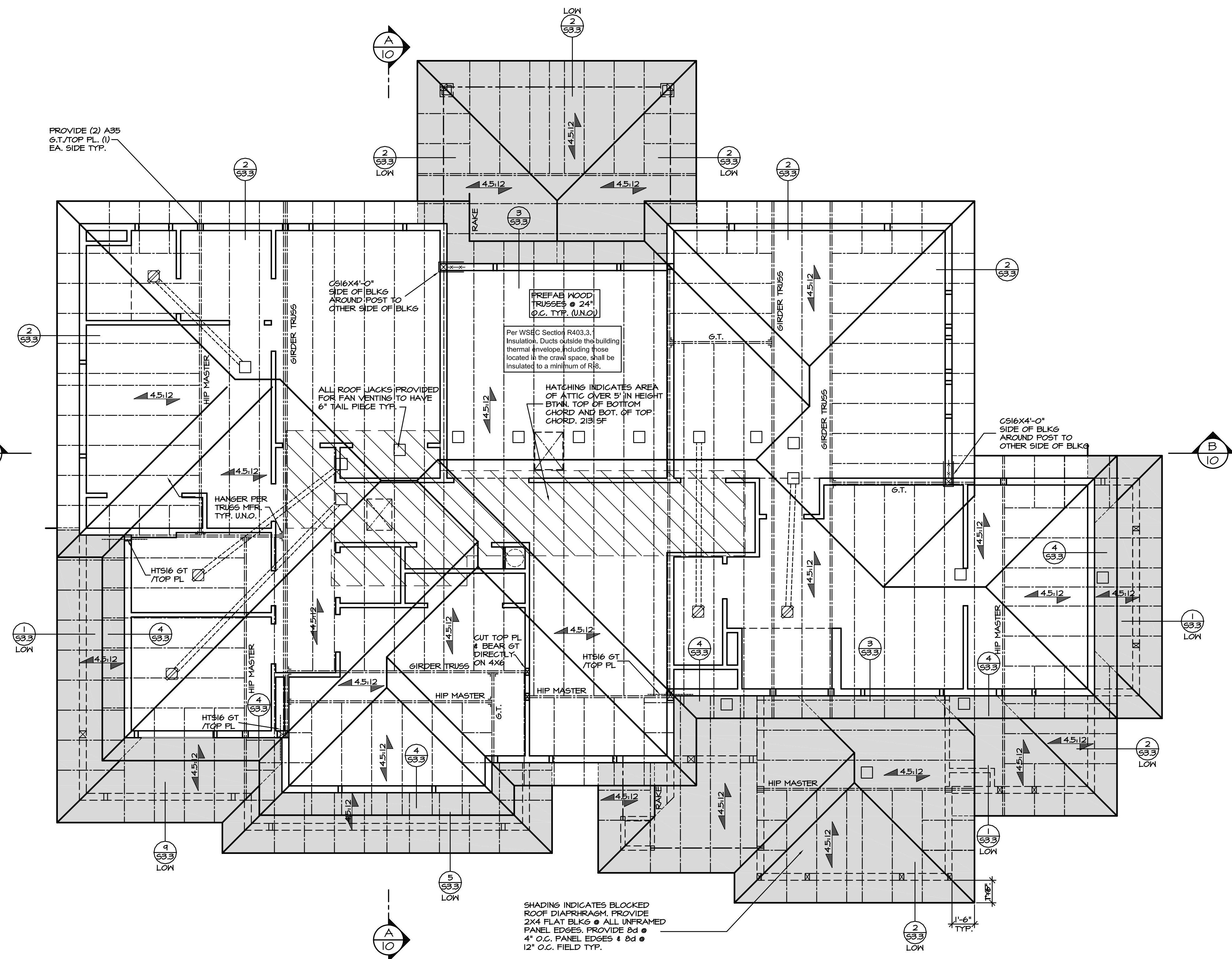
EAVE VENTS REQ'D =  $3.43 \text{ SQ.FT.} \times 144 = 566 \text{ SQ. IN.}$   
 2" DIA. EAVE VENT = 31 SQ. IN.  
 =  $\frac{566 \text{ SQ. IN.}}{31} = (31) \text{ 2" DIA. EAVE VENTS}$   
 = (192) 2" DIAMETER EAVE VENTS

EAVE VENTS LOCATED ON FRONT/REAR ELEVATIONS ONLY  
 LOWER VENTILATION AREA = (8) 2" HOLES AT EA. CONTINUOUS BIRD BLOCKING

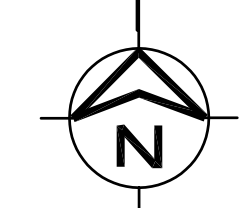
ATTIC VENT OPENINGS SHALL HAVE A MIN. 1/8" AND A MAX. 1/4" CORROSION RESISTANT METAL MESH COVERING. MIN. 1" VENT SPACE ABOVE CEILING INSULATION WITH CROSS VENTILATION.

**NOTES:**

- FOR STRUCTURAL GENERAL NOTES, DESIGN CRITERIA, ABBREVIATIONS AND LEGEND, REFERENCE TO STRUCTURAL DRAWINGS.
- ALL TRUSSES TO BE 2x4 TOP CHORD @ 24" O.C. (U.N.O.)
- TRUSSES TO CARRY MANUFACTURERS STAMP
- TRUSSES TO BE INSTALLED PER MANUFACTURERS INSTRUCTIONS
- TRUSSES SHALL BE ACCOMPANIED BY DESIGN DRAWINGS FOR INSPECTOR'S APPROVAL
- ROOF SHEATHING TO BE 7/16" APA RATED SHEATHING WITH A MINIMUM 32/16 SPAN RATINGS. SHEATHING TO BE NAILED TO ROOF FRAMING WITH 0.131" DIA X 2-1/2" NAILS @ 6" O.C. AT PANEL EDGES AND @ 12" O.C. FIELD (U.N.O.). LAY SHEATHING WITH FACE GRAIN (LONG DIRECTION) PERPENDICULAR TO SUPPORTS AND STAGGER PANEL END JOINTS. ALLOW 1/8" SPACE BETWEEN PANEL ENDS AND EDGES. PROVIDE PANEL SHEATHING CLIPS CENTERED BETWEEN FRAMING AT UNLOCKED SHEATHING EDGES AS REQUIRED BY ROOFING WARRANTY
- ROOF TRUSSES SHALL BE DESIGNED FOR THE FOLLOWING CRITERIA:
  - TRUSS LAYOUT SHOWN IS APPROXIMATE. TRUSS SUPPLIER IS RESPONSIBLE FOR FINAL TRUSS LAYOUT AND CONFIGURATION. NOTIFY ENGINEER OF REVISIONS TO PLAN
  - FOR STANDARD DEAD AND LIVE LOADS AND SUBMITTAL INFORMATION, REFERENCE TO THE STRUCTURAL GENERAL NOTES
  - ALL GIRDER TRUSSES SHALL BE SUPPORTED BY A MINIMUM OF (3) STUDS. TRUSS MANUFACTURER TO SUBMIT TO ENGINEER GIRDER TRUSS REACTIONS
  - PROVIDE SIMPSON HI OR H2.5 HURRICANE TIES AT ALL ROOF TRUSSES AND ROOF JOISTS, TYP.
  - ALL MULTIPLE STUDS SUPPORTING HIP MASTER AND GIRDER TRUSSES TO CONTINUE TO FOUNDATION
- TRUSS HANGERS SHALL BE SUPPLIED AND DESIGNED BY THE TRUSS SUPPLIER
- CROSS HATCHING INDICATES OVERFRAMING
- ALL HARDWARE TO BE SIMPSON OR EQUAL
- ALL DIMENSIONS TO FACE OF FRAMING
- VERIFY ALL +/- DIMENSIONS IN FIELD.
- PROVIDE HI HURRICANE TIE EACH END OF ALL ROOF JACKS.



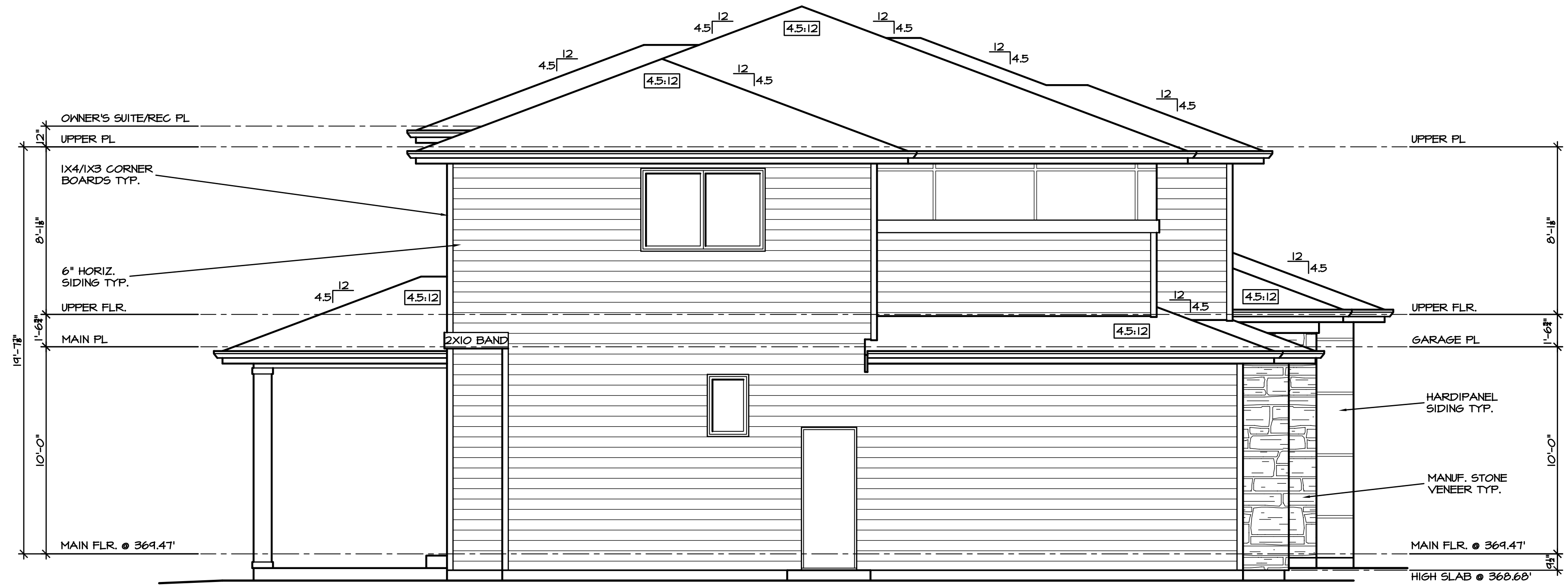
**ROOF FRAMING PLAN**  
 SCALE: 1/4" = 1'-0"



SHELburne II

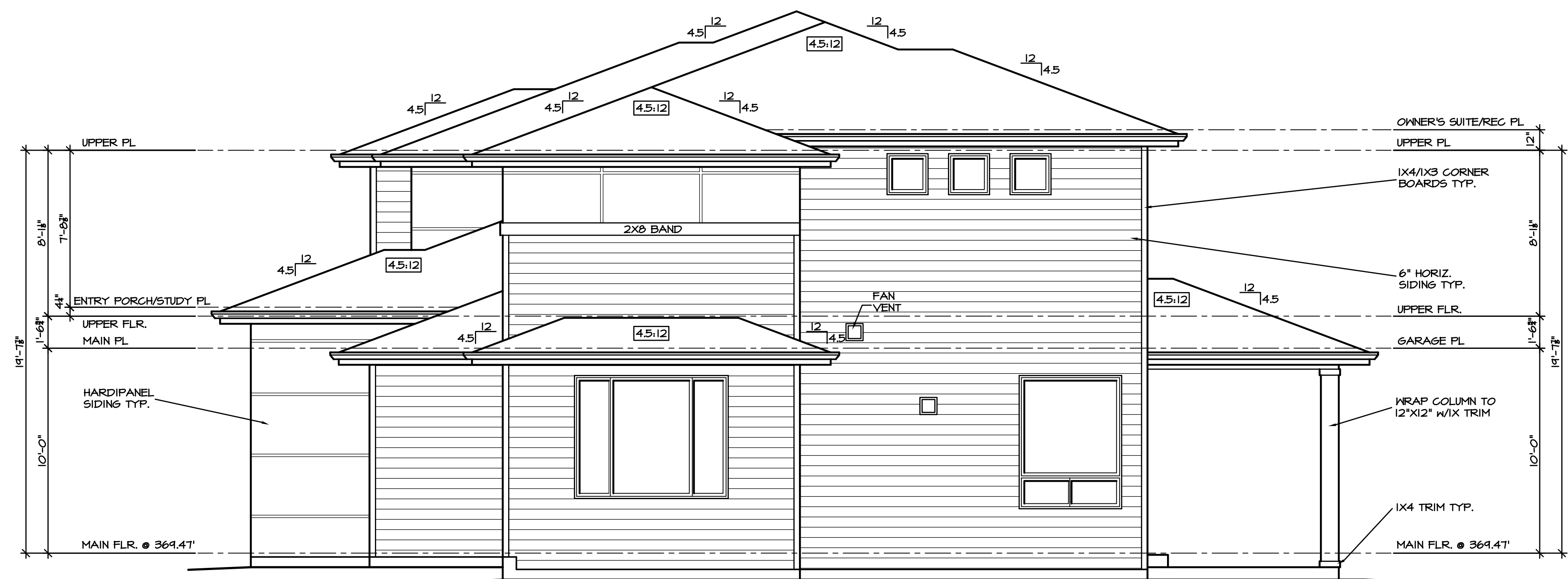






## EAST ELEVATION

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



## WEST ELEVATION

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



CONTENT  
 ELEVATIONS  
 9017 SE 60th St

JOB NO.  
 9119

DATE  
 10/30/21

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REVISION DATE  
 6/7/22

REVISION	DATE

SHEET  
 9  
 OF 16

SHELburne II

### ROOF CONSTRUCTION

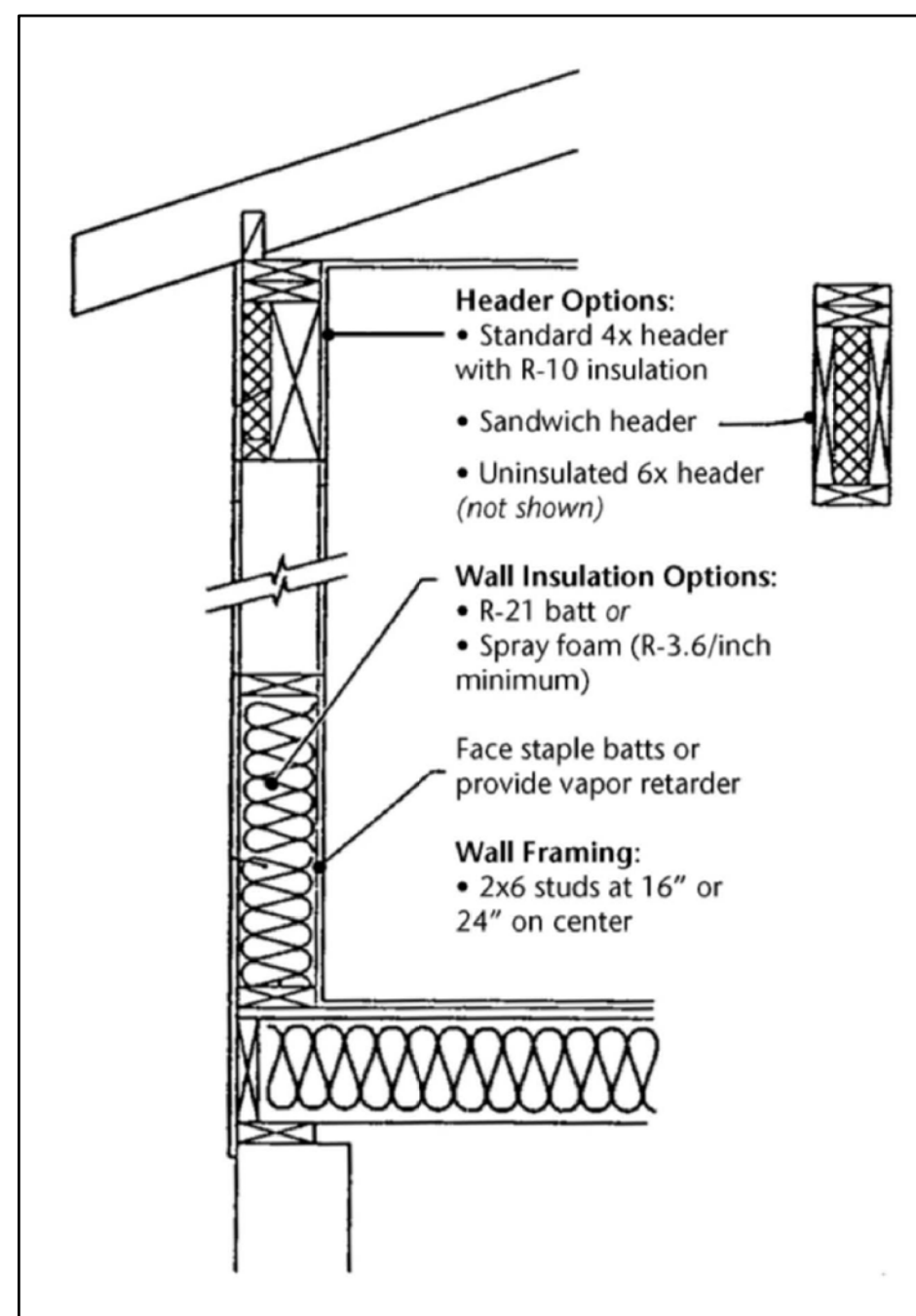
ASPHALT SHINGLES  
 15# BUILDERS FELT  
 1/2" PLYWOOD OR 1/16" OSB  
 MANUFACTURED TRUSSES @ 24" O.C. (U.N.O.) SEE PLANS.  
 1/2" GYPSUM WALL BOARD  
 INSULATION PER ENERGY CODE (R-41 FLAT CEILING, R-30 VAULTED)

### WALL CONSTRUCTION

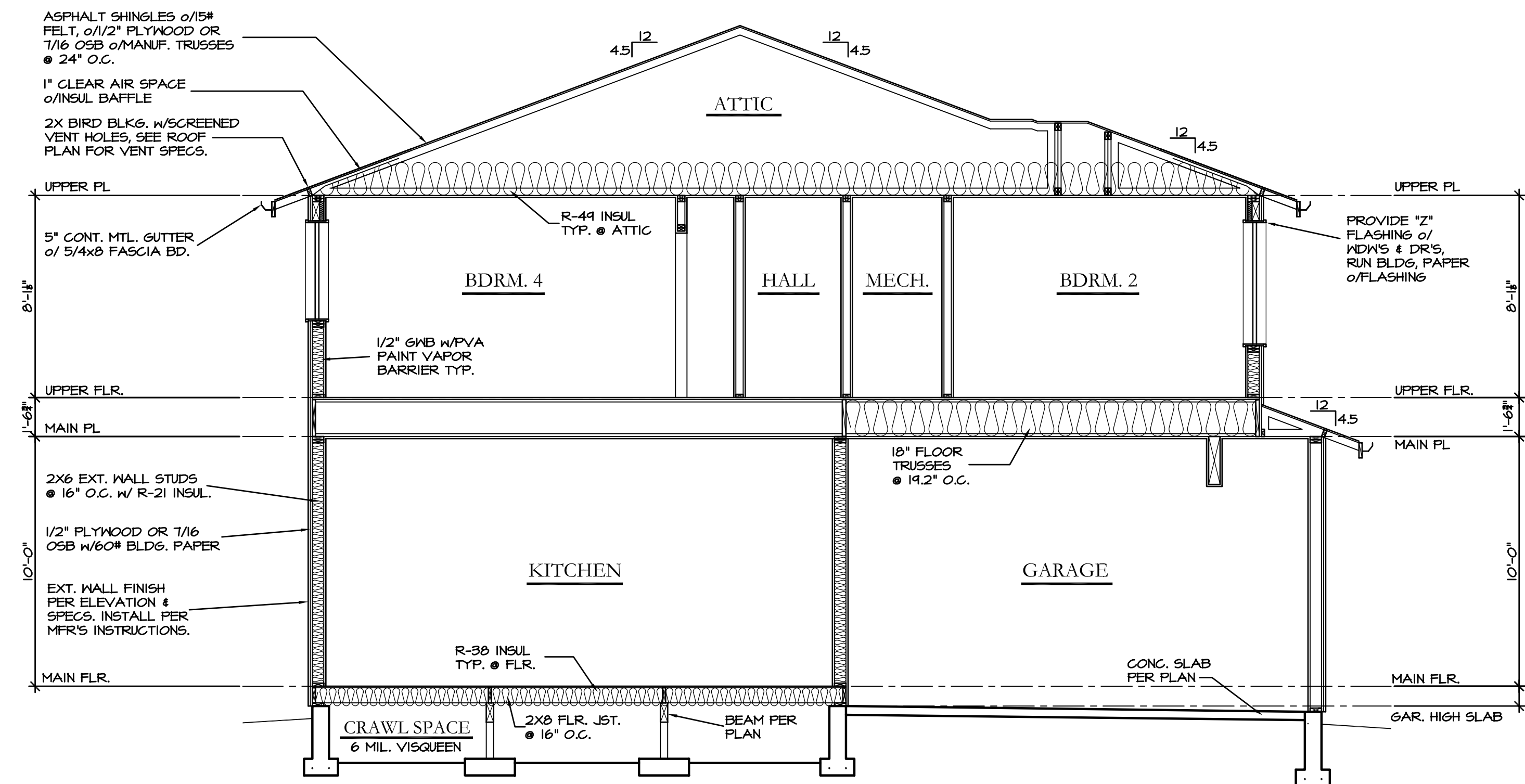
SIDINGS AS PER EXTERIOR ELEVATIONS (SHINGLE, HORIZ.,  
 BD., & BATT., OR MANIF. STONE PER SPECS.)  
 60# BUILDING PAPER  
 1/2" PLYWOOD OR 1/16" OSB  
 2x6 EXTERIOR WALL STUDS @ 16" O.C. 2x4 INTERIOR WALL STUDS @ 16" O.C.  
 INSULATION PER ENERGY CODE (R-21)  
 1/2" GYPSUM WALL BOARD  
 PVA PAINT VAPOR BARRIER

### FLOOR CONSTRUCTION

FINISHED FLOOR PER SPECIFICATIONS.  
 3/4" T&G PLYWOOD SUB FLOOR GLUED & NAILED  
 2x8 FLOOR JOISTS @ 16" O.C. (MAIN)  
 18" FLOOR TRUSSES @ 19.2" O.C. (UPPER)  
 BEAMS, HEADERS, POSTS PER PLANS  
 INSULATION PER ENERGY CODE (R-30)

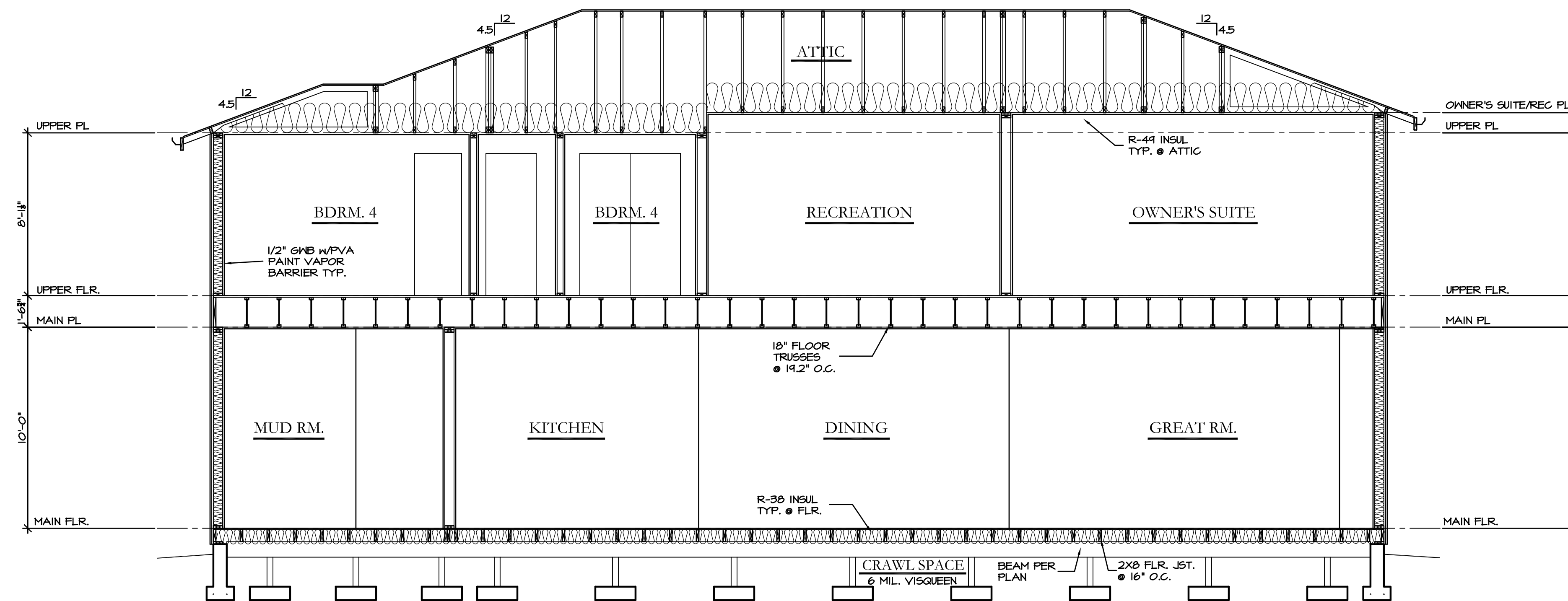


**A** 4X HDR w/R-10 INSUL.  
 SCALE: 1/2" = 1'-0"



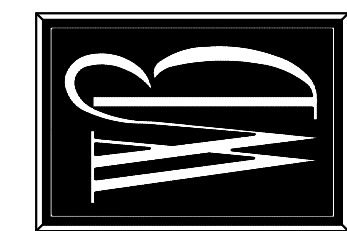
## BUILDING SECTION "A"

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



## BUILDING SECTION "B"

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



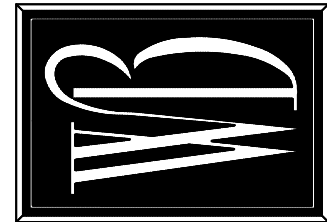
CONTAINING SECTIONS  
 9017 SE 60th St

JOB NO. 9119  
 DATE 10/30/21  
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REVISION	DATE
1	6/7/22

SHEET 10 OF 16

SHELburne II



CONTENT  
 UPPER ELECT. PLAN  
 9017 SE 60th St

JOB NO.  
 9119

DATE  
 10/30/21

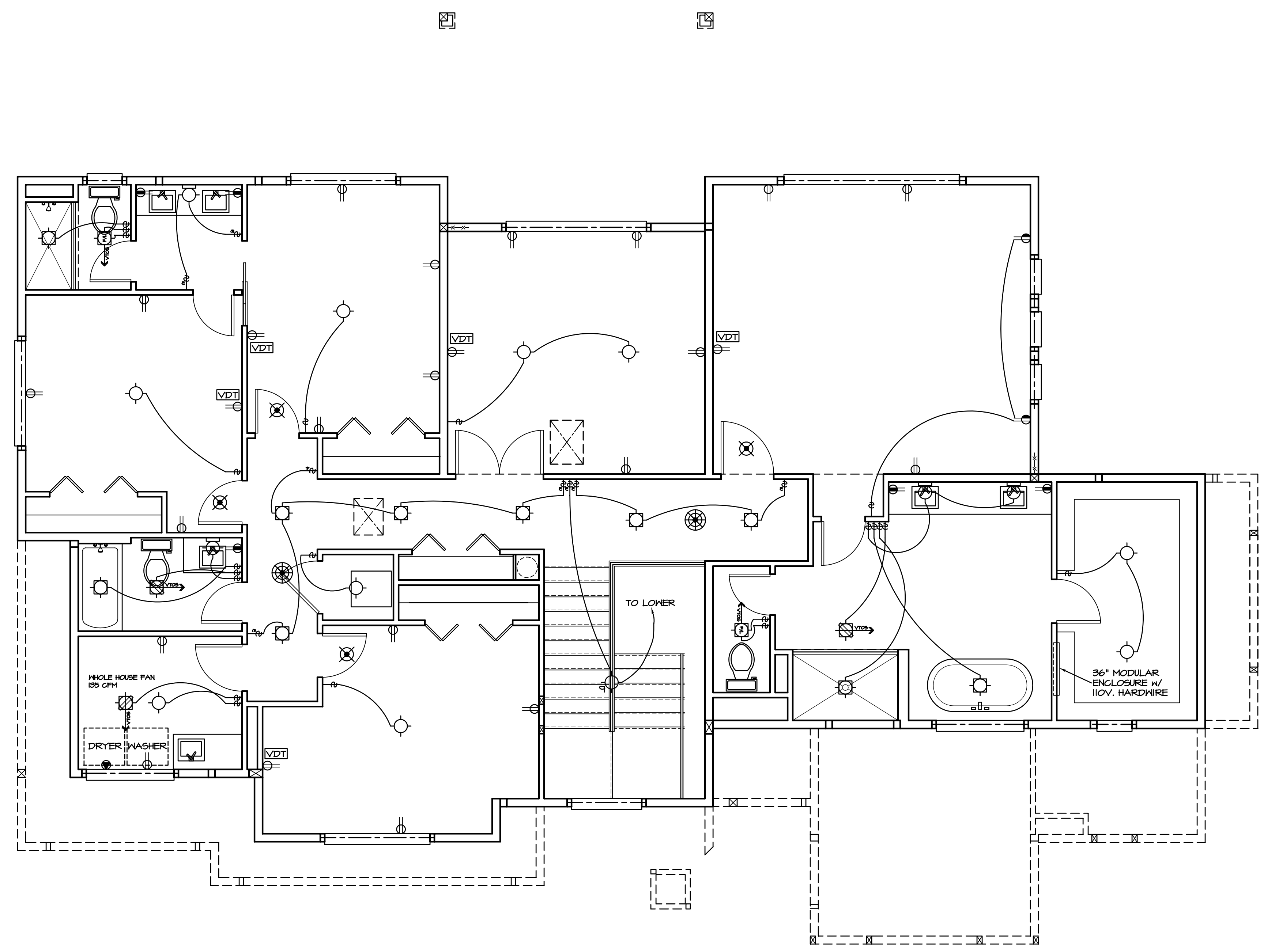
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REVISION	DATE
1	6/7/22


SHEET  
 12  
 OF 16

SHELburne II



ALL UPPER FLOOR FANS TO VENT OUT THROUGH DESIGNATED ROOF JACKVENTS SHOWN ON SHEET 7, ROOF JACK VENTS PROVIDED FOR FAN VENTING TO HAVE 6" TAIL PIECE TYP.

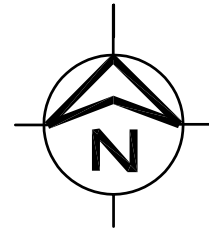
**ELECTRICAL SYMBOLS**

- |  |                                |  |   |
|--|--------------------------------|--|---|
|  | 110 VOLT OUTLET                |  | RECESSED CAN LIGHT FIXTURE                  |
|  | SWITCHED OUTLET                |  | RECESSED CAN DIRECTIONAL                    |
|  | 6 F.I. OUTLET                  |  | PENDANT LIGHT FIXTURE                       |
|  | WEATHER PROOF 110 VOLT OUTLET  |  | CEILING MOUNTED LIGHT FIXTURE               |
|  | DEDICATED OUTLET               |  | WALL MOUNTED LIGHT FIXTURE                  |
|  | 220 VOLT OUTLET                |  | UNDER COUNTER FLOURESCENT                   |
|  | SWITCH - 2 POLE                |  | 50 CFM EXHAUST FAN VENTED TO OUTSIDE (UNO.) |
|  | SWITCH - 3 POLE                |  | HEAT DETECTOR                               |
|  | SWITCH - 4 POLE                |  | SMOKE DETECTOR                              |
|  | SWITCH - DIMMER                |  | CARBON MONOXIDE/SMOKE DETECTOR              |
|  | SMOKE DETECTOR                 |  | 50 CFM EXHAUST FAN LIGHT COMBO (UNO.)       |
|  | VIDEO/DATA TELECOM PORT        |  |   |
|  | CARBON MONOXIDE/SMOKE DETECTOR |  |   |

NOTE:  
 75% OF ALL LIGHT FIXTURES MUST BE HIGH EFFICIENCY.

**UPPER ELECTRICAL**

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



**R303.7 Interior Stairway Illumination**  
 Interior stairways shall be provided with an artificial light source to illuminate the landings and treads. The light source shall be capable of illuminating treads and landings to levels of not less than 1 foot-candle (11 lux) as measured at the center of treads and landings. There shall be a wall switch at each floor level to control the light source where the stairway has six or more risers.

### FAN SCHEDULE

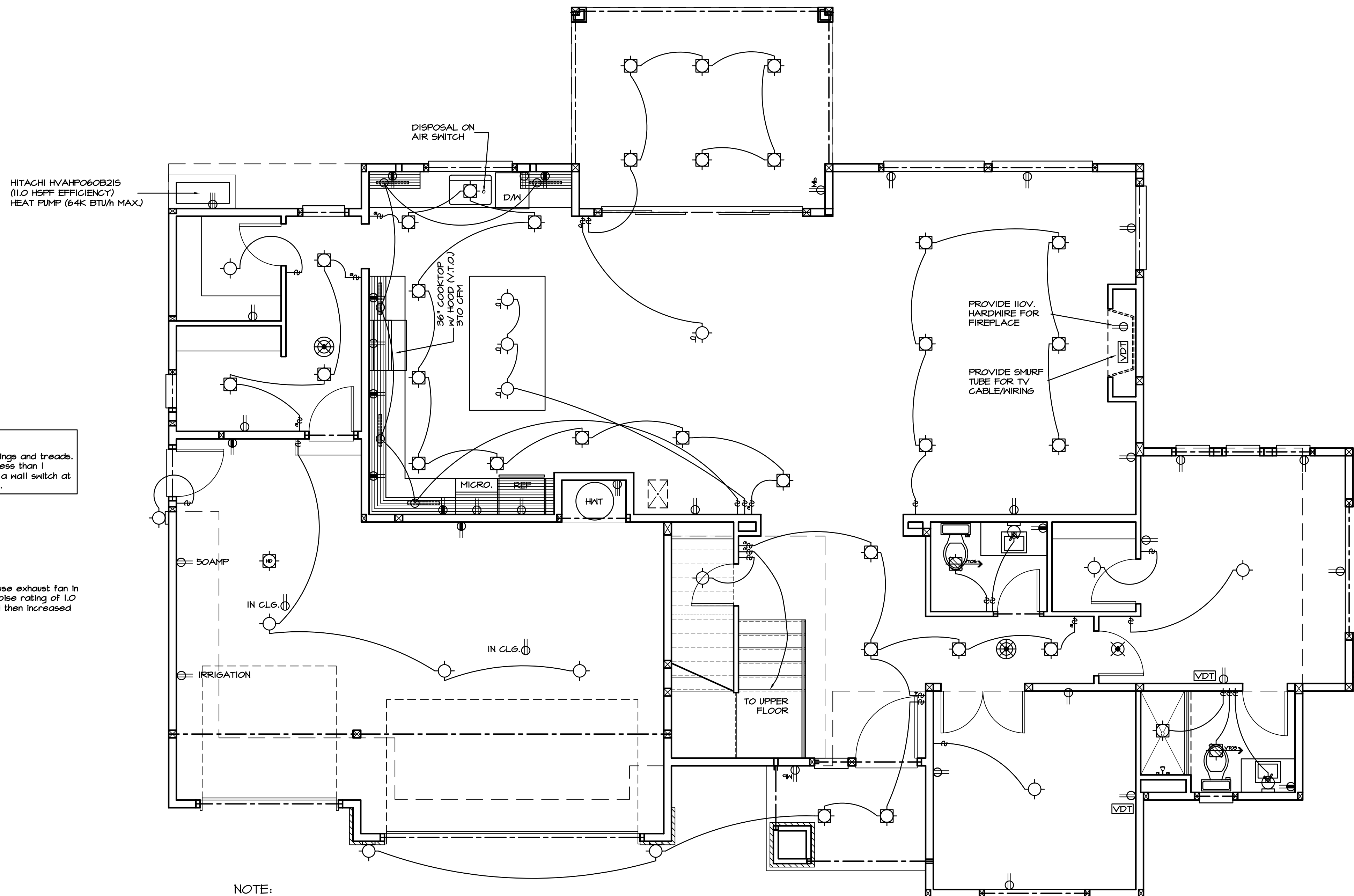
Whole house ventilation system shall be provided by using a central whole house exhaust fan in accordance with M1505.4.1.1. Whole house fan shall operate continuously and have a noise rating of 1.0 sones or less. Continuous ventilation shall be determined using table M1505.4.3(1), and then increased by a factor of 1.5 in accordance with table M1505.4.3(2).

LOCATION	CFM
KITCHEN	100 CFM
LAUNDRY RM	50 CFM
POWER RM	50 CFM
MASTER BATH	50 CFM
BATH #2	50 CFM
ADDITIONAL BATHS	50 CFM

### ELECTRICAL SYMBOLS

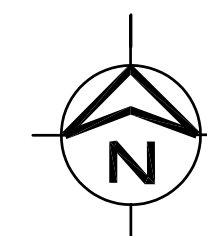
⊕	110 VOLT OUTLET	⊕	RECESSED CAN LIGHT FIXTURE
⊕	SWITCHED OUTLET	⊕	RECESSED CAN DIRECTIONAL
⊕	60 FL OUTLET	⊕	PENDANT LIGHT FIXTURE
⊕	WEATHER PROOF 110 VOLT OUTLET	⊕	CEILING MOUNTED LIGHT FIXTURE
⊕	DESIGNATED OUTLET	⊕	WALL MOUNTED LIGHT FIXTURE
⊕	220 VOLT OUTLET	⊕	UNDER COUNTER FLOURESCENT
⊕	SWITCH - 2 POLE	⊕	50 CFM EXHAUST FAN VENTED TO OUTSIDE (UNO)
⊕	SWITCH - 3 POLE	⊕	HEAT DETECTOR
⊕	SWITCH - 4 POLE	⊕	50 CFM EXHAUST FAN LIGHT COMBO (UNO)
⊕	SWITCH - DIMMER	⊕	
⊕	SMOKE DETECTOR		
⊕	HEAT DETECTOR		
⊕	VIDEO/DATA TELECOM PORT		
⊕	CARBON MONOXIDE/SMOKE DETECTOR		

NOTE:  
 75% OF ALL LIGHT FIXTURES MUST BE HIGH EFFICIENCY.



## MAIN ELECTRICAL

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



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CONTENT  
 MAIN ELECT. PLAN  
 9017 SE 60th St

JOB NO.  
 9119

DATE  
 10/30/21

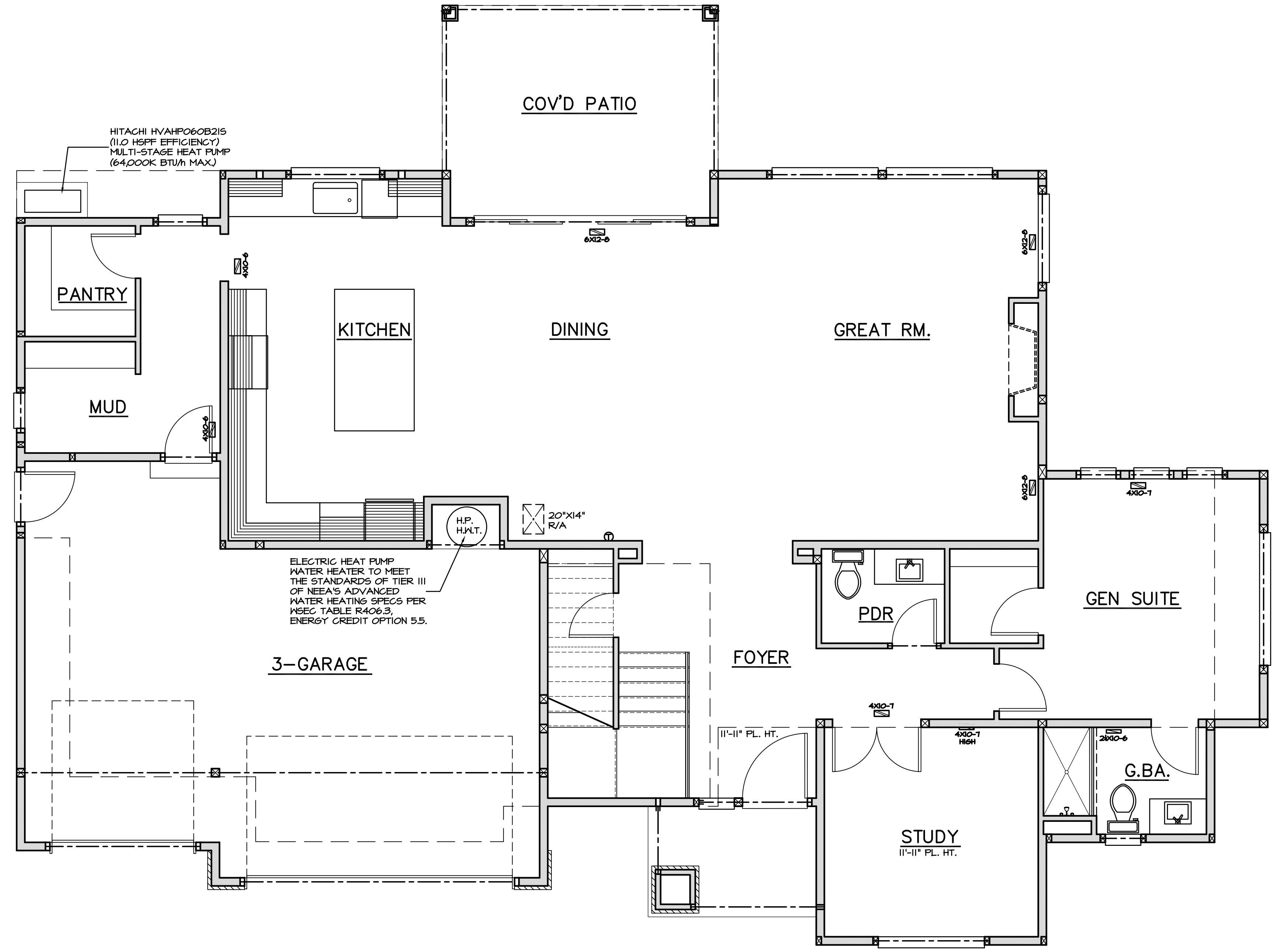
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NO.	DATE	DESCRIPTION

SHEET  
 11  
 OF 16



**HEATING SYMBOLS**

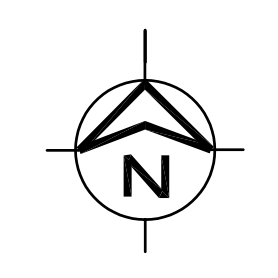
- ☐ 2"x REGISTER
- ☐ 4"x REGISTER

NOTE: REGISTERS TO BE  
PLACED 6" FROM  
EXT. WALLS, & 3"  
FROM INT. WALLS.

HEAT LAYOUT IS SHOWN TO ASSIST WITH FRAMING  
LAYOUT ONLY. THE FINAL DESIGN FOR HEATING  
OF THE HOME WILL BE DETERMINED BY THE HEAT  
CONTRACTORS.

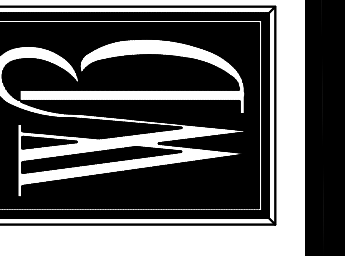
**MAIN FLOOR MECH.**

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



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CONTENT  
MAIN FLOOR MECH.  
9017 SE 60th St

JOB NO.  
9119

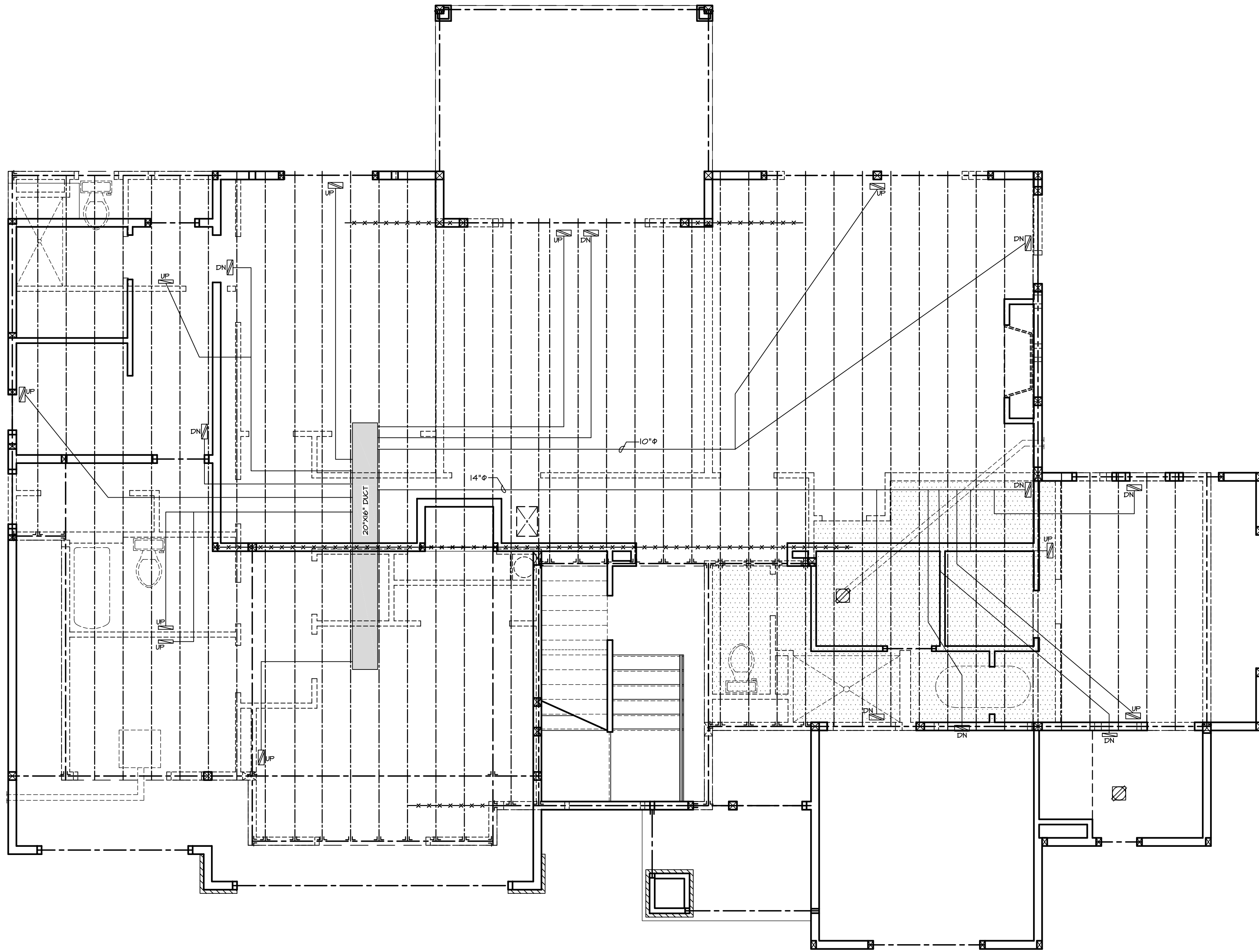
DATE  
10/30/21

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DS



ENGINEER  
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REVISION	DATE
1	6/7/22

SHEET  
**M1**  
OF 16



**HEATING SYMBOLS**

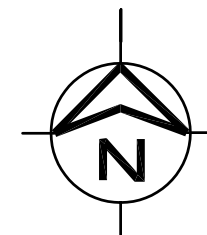
-  2 1/4" REGISTER
-  4" REGISTER

NOTE: REGISTERS TO BE PLACED 6" FROM EXT. WALLS, 4 3/4" FROM INT. WALLS.

HEAT LAYOUT IS SHOWN TO ASSIST WITH FRAMING LAYOUT ONLY. THE FINAL DESIGN FOR HEATING OF THE HOME WILL BE DETERMINED BY THE HEAT CONTRACTORS.

**UPPER FLR. FRMG. MECH.**

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



SHELburne

REVISION	DATE
1	6/7/22

SHEET  
**M2**  
OF 16

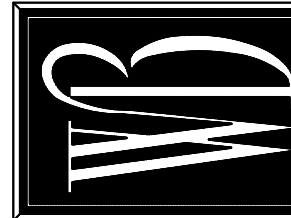
JOB NO.  
9119

DATE  
10/30/21

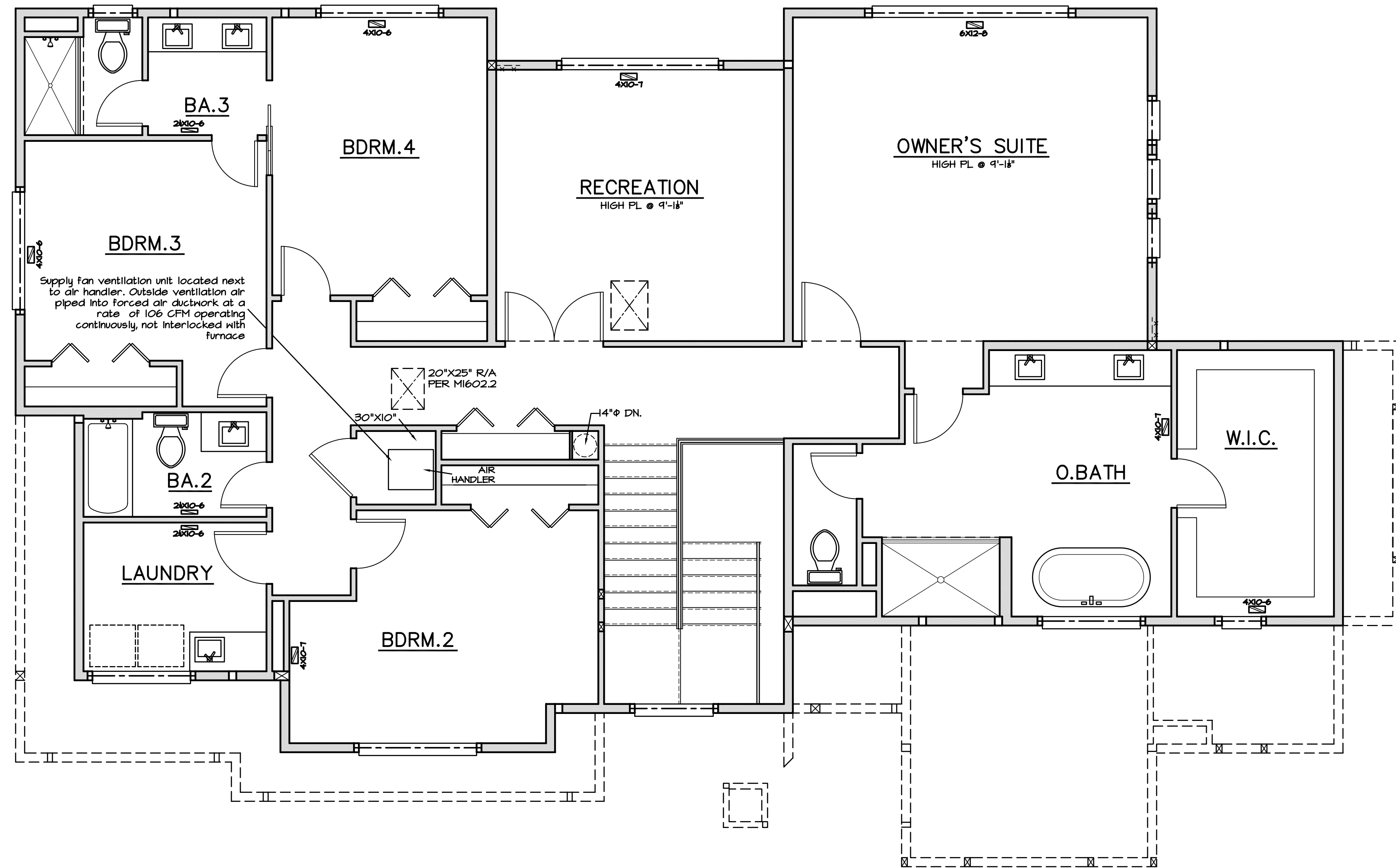
DRAWN BY  
DS

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CONTENT  
UPPER FLR. FRMG MECH.  
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**HEATING SYMBOLS**

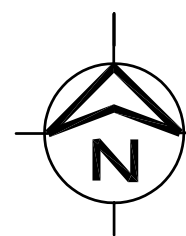
-  24"X REGISTER
-  4"X REGISTER

NOTE: REGISTERS TO BE PLACED 6" FROM EXT. WALLS, & 3" FROM INT. WALLS.

HEAT LAYOUT IS SHOWN TO ASSIST WITH FRAMING LAYOUT ONLY. THE FINAL DESIGN FOR HEATING OF THE HOME WILL BE DETERMINED BY THE HEAT CONTRACTORS.

**UPPER FLOOR MECH.**

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



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CONTENT  
 UPPER FLOOR MECH.  
 9017 SE 60th St

JOB NO.  
9119

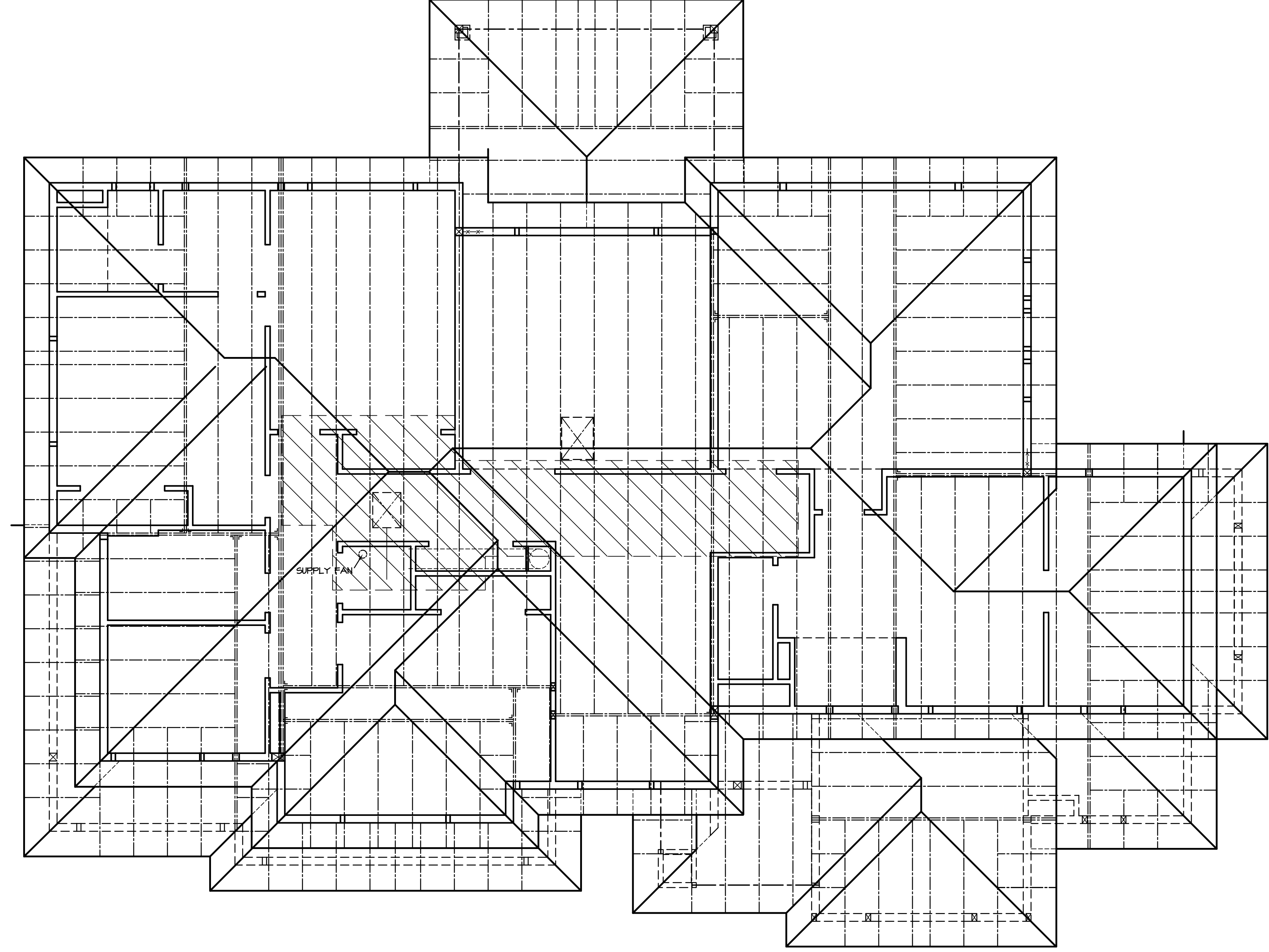
DATE  
10/30/21

DRAWN BY  
DS

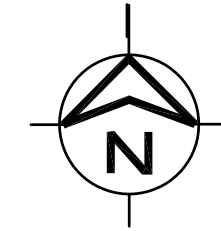
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REVISION	DATE
1	6/7/22

SHEET  
**M3**  
 OF 16



**ROOF FRAMING MECH.**  
 SCALE: 1/4" = 1'-0"



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SHEET  
**M4**  
 OF 16

REVISION	DATE
1	6/7/22

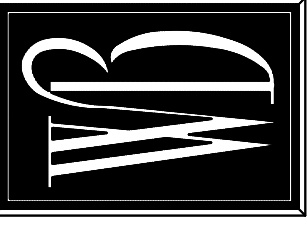
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CONTENT  
 ROOF FRAMING MECH.  
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## General Structural Notes

THE FOLLOWING APPLY UNLESS SHOWN OTHERWISE ON THE DRAWINGS

### CRITERIA

- ALL MATERIALS, WORKMANSHIP, DESIGN, AND CONSTRUCTION SHALL CONFORM TO THE DRAWINGS, SPECIFICATIONS, AND THE INTERNATIONAL BUILDING CODE (2018 EDITION).

#### DESIGN LOADING CRITERIA:

RESIDENTIAL – ONE AND TWO-FAMILY DWELLINGS	
FLOOR LIVE LOAD	40 PSF
ROOF	
ROOF LIVE LOAD	25 PSF

DEFLECTION CRITERIA	
LIVE LOAD DEFLECTION	L/360
TOTAL LOAD DEFLECTION	L/240

ENVIRONMENTAL LOADS	
SNOW	Ce=1.0, Is=1.0, Ct=1.1, Cs=1.0, Pg=25 PSF, Pf=20 PSF
WIND	.Gcpi=0.18, 110 MPH, RISK CATEGORY II, EXPOSURE "B", Kzt=1.3
EARTHQUAKE	ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE LATERAL SYSTEM: LIGHT FRAMED SHEAR WALLS, Vs=16.9 KIPS SITE CLASS=0, Ss=146, Sds=116, S1=50, SD1=57, Cs=0.179 SDC 0 (DEFAULT), Ie=1.0, R=6.5

SEE PLANS FOR ADDITIONAL LOADING CRITERIA

- STRUCTURAL DRAWINGS SHALL BE USED IN CONJUNCTION WITH ARCHITECTURAL DRAWINGS FOR BIDDING AND CONSTRUCTION. ARCHITECTURAL DRAWINGS ARE THE PRIME CONTRACT DRAWINGS. ANY DISCREPANCIES FOUND AMONG THE DRAWINGS, THE SPECIFICATION, THESE GENERAL NOTES AND THE SITE CONDITIONS SHALL BE REPORTED TO THE ARCHITECT, WHO SHALL CORRECT SUCH DISCREPANCY IN WRITING. ANY WORK DONE BY THE GENERAL CONTRACTOR AFTER DISCOVERY OF SUCH DISCREPANCY SHALL BE DONE AT THE GENERAL CONTRACTOR'S RISK.

- PRIMARY STRUCTURAL ELEMENTS NOT DIMENSIONED ON THE STRUCTURAL PLANS AND DETAILS SHALL BE LOCATED BY THE ARCHITECTURAL PLANS AND DETAILS. VERTICAL DIMENSION CONTROL IS DEFINED BY THE ARCHITECTURAL WALL SECTIONS, BUILDING SECTION, AND PLANS. DETAILING AND SHOP DRAWING PRODUCTION FOR STRUCTURAL ELEMENTS WILL REQUIRE DIMENSIONAL INFORMATION CONTAINED IN BOTH ARCHITECTURAL AND STRUCTURAL DRAWINGS.

- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PRECAUTIONS AND THE METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES REQUIRED TO PERFORM THE CONTRACTORS WORK. THE STRUCTURAL ENGINEER HAS NO OVERALL SUPERVISORY AUTHORITY OR ACTUAL AND/OR DIRECT RESPONSIBILITY FOR THE SPECIFIC WORKING CONDITIONS AT THE SITE AND/OR FOR ANY HAZARDS RESULTING FROM THE ACTIONS OF ANY TRADE CONTRACTOR. THE STRUCTURAL ENGINEER HAS NO DUTY TO INSPECT, SUPERVISE, NOTE, CORRECT, OR REPORT ANY HEALTH OR SAFETY DEFICIENCIES TO THE OWNER, CONTRACTORS, OR OTHER ENTITIES OR PERSONS AT THE PROJECT SITE.

- CONTRACTOR SHALL PROVIDE TEMPORARY BRACING FOR THE STRUCTURE AND STRUCTURAL COMPONENTS UNTIL ALL FINAL CONNECTIONS HAVE BEEN COMPLETED IN ACCORDANCE WITH THE PLANS. CONFORM TO ASCE 37-14 "DESIGN LOADS ON STRUCTURES DURING CONSTRUCTION".

- CONTRACTOR-INITIATED CHANGES SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL PRIOR TO FABRICATION OR CONSTRUCTION. CHANGES SHOWN ON SHOP DRAWINGS ONLY WILL NOT SATISFY THIS REQUIREMENT.

- DRAWINGS INDICATE GENERAL AND TYPICAL DETAILS OF CONSTRUCTION. WHERE CONDITIONS ARE NOT SPECIFICALLY INDICATED BUT ARE OF SIMILAR CHARACTER TO DETAILS SHOWN, SIMILAR DETAILS OF CONSTRUCTION SHALL BE USED, SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND THE STRUCTURAL ENGINEER. ALL TYPICAL NOTES AND DETAILS SHOWN ON DRAWINGS SHALL APPLY, UNLESS NOTED OTHERWISE. TYPICAL DETAILS MAY NOT NECESSARILY BE INDICATED ON THE PLANS BUT SHALL STILL APPLY AS SHOWN OR DESCRIBED IN THE DETAILS. WHERE TYPICAL DETAILS ARE NOTED ON THE PLANS, THE SPECIFIED TYPICAL DETAIL SHALL BE USED. WHERE NO TYPICAL DETAIL IS NOTED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CHOOSE THE APPROPRIATE TYPICAL DETAIL FROM THOSE PROVIDED OR REQUEST ADDITIONAL INFORMATION. THE CONTRACTOR SHALL SUBMIT ALL PROPOSED ALTERNATE TYPICAL DETAILS TO THOSE PROVIDED WITH RELATED CALCULATIONS TO THE ENGINEER FOR APPROVAL PRIOR TO SHOP DRAWING PRODUCTION AND FIELD USE.

- ALL STRUCTURAL SYSTEMS, WHICH ARE TO BE COMPOSED OF COMPONENTS TO BE FIELD ERCTED, SHALL BE SUPERVISED BY THE SUPPLIER DURING MANUFACTURING, DELIVERY, HANDLING, STORAGE AND ERECTION IN ACCORDANCE WITH INSTRUCTIONS PREPARED BY THE SUPPLIER.

### QUALITY ASSURANCE

- SPECIAL INSPECTION SHALL BE PROVIDED IN ACCORDANCE WITH THE PROJECT SPECIFICATIONS AND SECTIONS 110 AND 1705 OF THE INTERNATIONAL BUILDING CODE BY A QUALIFIED TESTING AGENCY DESIGNATED BY THE ARCHITECT, AND RETAINED BY THE BUILDING OWNER. THE ARCHITECT, STRUCTURAL ENGINEER, AND BUILDING DEPARTMENT SHALL BE FURNISHED WITH COPIES OF ALL INSPECTION AND TEST RESULTS. SPECIAL INSPECTION OF THE FOLLOWING TYPES OF CONSTRUCTION IS REQUIRED UNLESS NOTED OTHERWISE.

EXPANSION BOLTS AND THREADED EXPANSION INSERTS	PER MANUFACTURER
EPOXY GROUTED INSTALLATIONS	PER MANUFACTURER

PERIODIC INSPECTION: INSPECTION SHALL BE PERFORMED AT INTERVALS NECESSARY TO CONFIRM THAT WORK REQUIRING SPECIAL INSPECTION IS IN COMPLIANCE WITH REQUIREMENTS.  
CONTINUOUS INSPECTION: INSPECTOR SHALL BE ONSITE AND OBSERVE THE WORK REQUIRING INSPECTION AT ALL TIMES THAT WORK IS PERFORMED.

- UNLESS OTHERWISE NOTED, THE FOLLOWING ELEMENTS COMPRISE THE SEISMIC-FORCE-RESISTING SYSTEM AND ARE SUBJECT TO SPECIAL INSPECTION FOR SEISMIC RESISTANCE IN ACCORDANCE WITH SECTION 1705.12 OF THE INTERNATIONAL BUILDING CODE.

- STRUCTURAL WOOD SHEAR WALL SYSTEMS REQUIRE PERIODIC INSPECTION FOR FIELD GLUING, NAILING, BOLTING, ANCHORING AND OTHER FASTENING OF COMPONENTS WITHIN THE SEISMIC FORCE, RESISTING SYSTEM INCLUDING SHEAR WALLS, DIAPHRAGMS, DRAG STRUTS, BRACES AND HOLDDOWNS.

### GEOTECHNICAL

- FOUNDATION NOTES: ALLOWABLE SOIL PRESSURE AND LATERAL EARTH PRESSURE ARE ASSUMED AND THEREFORE MUST BE VERIFIED BY A QUALIFIED SOILS ENGINEER OR APPROVED BY THE BUILDING OFFICIAL. IF SOILS ARE FOUND TO BE OTHER THAN ASSUMED, NOTIFY THE STRUCTURAL ENGINEER FOR POSSIBLE FOUNDATION REDESIGN.

FOOTINGS SHALL BEAR ON FIRM, UNDISTURBED EARTH AT LEAST 18" BELOW ADJACENT FINISHED GRADE. UNLESS OTHERWISE NOTED, FOOTINGS SHALL BE CENTERED BELOW COLUMNS OR WALLS ABOVE.

BACKFILL BEHIND ALL RETAINING WALLS WITH FREE DRAINING, GRANULAR FILL AND PROVIDE FOR SUBSURFACE DRAINAGE.

ALLOWABLE SOIL PRESSURE	1500 PSF
LATERAL EARTH PRESSURE (UNRESTRAINED)	.35 PCF
ALLOWABLE PASSIVE EARTH PRESSURE (FS OF 1.5 INCLUDED)	350 PCF
COEFFICIENT OF FRICTION (FS OF 1.5 INCLUDED)	.0.45
SEISMIC SURCHARGE PRESSURE (UNIFORM LOAD)	.7H PSF

### CONCRETE

- CONCRETE SHALL BE MIXED, PROPORTIONED, CONVEYED AND PLACED IN ACCORDANCE WITH ACI 301, INCLUDING TESTING PROCEDURES. CONCRETE SHALL ATTAIN A 28-DAY STRENGTH OF  $f'c = 3,000$  PSI AND MIX SHALL CONTAIN NOT LESS THAN 5-1/2 SACKS OF CEMENT PER CUBIC YARD AND SHALL BE PROPORTIONED TO PRODUCE A SLUMP OF 5" OR LESS. REQUIRED CONCRETE STRENGTH IS BASED ON THE DURABILITY REQUIREMENTS OF SECTION 1904 OF THE IBC. DESIGN STRENGTH IS  $f'c = 2,500$  PSI.

- ALL CONCRETE WITH SURFACES EXPOSED TO WEATHER OR STANDING WATER SHALL BE AIR-ENTRAINED WITH AN AIR-ENTRAINING AGENT CONFORMING TO ASTM C260, C494, AND C618. TOTAL AIR CONTENT FOR FROST-RESISTANT CONCRETE SHALL BE IN ACCORDANCE WITH ACI 318-14, TABLE 19.3.2.1 MODERATE EXPOSURE, F1.

- REINFORCING STEEL SHALL CONFORM TO ASTM A615 (INCLUDING SUPPLEMENT S1), GRADE 60,  $Fy = 60,000$  PSI. WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. SPIRAL REINFORCEMENT SHALL BE DEFORMED WIRE CONFORMING TO ASTM A615, GRADE 60,  $Fy = 60,000$  PSI.

- DETAILING OF REINFORCING STEEL (INCLUDING HOOKS AND BENDS) SHALL BE IN ACCORDANCE WITH ACI 315R-18 AND 318-14. LAP ALL CONTINUOUS REINFORCEMENT #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. PROVIDE CORNER BARS AT ALL WALL AND FOOTING INTERSECTIONS. LAP CORNER BARS #5 AND SMALLER 40 BAR DIAMETERS OR 2'-0" MINIMUM. LAPS OF LARGER BARS SHALL BE MADE IN ACCORDANCE WITH ACI 318-14, CLASS B. LAP ADJACENT MATS OF WELDED WIRE FABRIC A MINIMUM OF 8" AT SIDES AND ENDS.

NO BARS PARTIALLY EMBEDDED IN HARDENED CONCRETE SHALL BE FIELD BENT UNLESS SPECIFICALLY SO DETAILED OR APPROVED BY THE STRUCTURAL ENGINEER.

- CONCRETE PROTECTION (COVER) FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

FOOTINGS AND OTHER UNFORMED SURFACES CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH	3"
FORMED SURFACES EXPOSED TO EARTH OR WEATHER (#5 BARS OR SMALLER)	1-1/2"

- CONCRETE WALL REINFORCING--PROVIDE THE FOLLOWING UNLESS DETAILED OTHERWISE:

8" WALLS	#4 @ 12 HORIZ.	#4 @ 18 VERTICAL	1 CURTAIN
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- CAST-IN-PLACE CONCRETE: SEE ARCHITECTURAL DRAWINGS FOR EXACT LOCATIONS AND DIMENSIONS OF DOOR AND WINDOW OPENINGS IN ALL CONCRETE WALLS. SEE MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF MISCELLANEOUS MECHANICAL OPENINGS THROUGH CONCRETE WALLS. SEE ARCHITECTURAL DRAWINGS FOR ALL GROOVES, NOTCHES, CHAMFERS, FEATURE STRIPS, COLOR, TEXTURE, AND OTHER FINISH DETAILS AT ALL EXPOSED CONCRETE SURFACES, BOTH CAST-IN-PLACE AND PRECAST.

- NON-SHRINK GROUT SHALL BE FURNISHED BY AN APPROVED MANUFACTURER AND SHALL BE MIXED AND PLACED IN STRICT ACCORDANCE WITH THE MANUFACTURER'S PUBLISHED RECOMMENDATIONS. GROUT STRENGTH SHALL BE AT LEAST EQUAL TO THE MATERIAL ON WHICH IT IS PLACED (3000 PSI MINIMUM).

### ANCHORAGE

- EXPANSION BOLTS INTO CONCRETE SHALL BE "STRONG-BOLT 2" WEDGE ANCHORS AS MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY AND INSTALLED IN STRICT CONFORMANCE TO ICC-ES REPORT NUMBER ESR-3037, INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. BOLTS INTO CONCRETE MASONRY OR BRICK MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. PERIODIC SPECIAL INSPECTION IS REQUIRED TO VERIFY ANCHOR TYPE, ANCHOR DIMENSIONS, ANCHOR LOCATION, TIGHTENING TORQUE, HOLE DIMENSIONS, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS.

- EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED USING "SET-XP" HIGH STRENGTH EPOXY AS MANUFACTURED BY THE SIMPSON STRONG TIE COMPANY. INSTALL IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2508. MINIMUM BASE MATERIAL TEMPERATURE IS 50 DEGREES, F. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED. PERIODIC SPECIAL INSPECTION OF INSTALLATION IS REQUIRED TO VERIFY ANCHOR OR EMBEDDED BAR TYPE AND DIMENSIONS, LOCATION, ADHESIVE IDENTIFICATION AND EXPIRATION, HOLE DIMENSIONS, HOLE CLEANING PROCEDURE, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR HORIZONTAL AND OVERHEAD INSTALLATIONS.

- EPOXY-GROUTED ITEMS (THREADED RODS OR REINFORCING BAR) SPECIFIED ON THE DRAWINGS SHALL BE INSTALLED USING "AT-XP" AS MANUFACTURED BY SIMPSON STRONG-TIE COMPANY. INSTALL IN STRICT ACCORDANCE WITH IAPMO REPORT NO. ER-0281. MINIMUM BASE MATERIAL TEMPERATURE IS 14 DEGREES, F. RODS SHALL BE ASTM A-36 UNLESS OTHERWISE NOTED. PERIODIC SPECIAL INSPECTION OF INSTALLATION IS REQUIRED TO VERIFY ANCHOR OR EMBEDDED BAR TYPE AND DIMENSIONS, LOCATION, ADHESIVE IDENTIFICATION AND EXPIRATION, HOLE DIMENSIONS, HOLE CLEANING PROCEDURE, ANCHOR EMBEDMENT, AND ADHERENCE TO THE INSTALLATION INSTRUCTIONS. CONTINUOUS SPECIAL INSPECTION IS REQUIRED FOR HORIZONTAL AND OVERHEAD INSTALLATIONS.

- CONCRETE SCREW ANCHORS INTO CONCRETE AND CONCRETE MASONRY UNITS SHALL BE "TITEN HD" HEAVY DUTY SCREW ANCHOR AS MANUFACTURED BY THE SIMPSON STRONG-TIE COMPANY, INSTALLED IN STRICT ACCORDANCE WITH ICC-ES REPORT NO. ESR-2713 (CONCRETE), NO. ESR-1056 (CMU), INCLUDING MINIMUM EMBEDMENT REQUIREMENTS. SCREW ANCHORS INTO CONCRETE MASONRY UNITS SHALL BE INTO FULLY GROUTED CELLS. SPECIAL INSPECTION IS REQUIRED.

### WOOD

- FRAMING LUMBER SHALL BE S-DRY, KD, OR MC-19, AND GRADED AND MARKED IN CONFORMANCE WITH NCLIB STANDARD No. 17, GRADING RULES FOR WEST COAST LUMBER, 2018, OR WMPA STANDARD, WESTERN LUMBER GRADING RULES 2017. FURNISH TO THE FOLLOWING MINIMUM STANDARDS:

JOISTS AND BEAMS	(2X & 3X MEMBERS)	HEM-FIR NO. 2	MINIMUM BASE VALUE, Fb = 850 PSI
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	(4X MEMBERS)	DOUGLAS FIR-LARCH NO. 1	MINIMUM BASE VALUE, Fb = 1000 PSI
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BEAMS	(INCL. 6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1	MINIMUM BASE VALUE, Fb = 1350 PSI
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POSTS	(4X MEMBERS)	DOUGLAS FIR-LARCH NO. 2	MINIMUM BASE VALUE, Fc = 1350 PSI
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	(6X AND LARGER)	DOUGLAS FIR-LARCH NO. 1	MINIMUM BASE VALUE, Fc = 1000 PSI
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STUDS, PLATES & MISC. FRAMING:	DOUGLAS FIR-LARCH NO. 2	OR HEM-FIR NO. 2	
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- GLUED LAMINATED MEMBERS SHALL BE FABRICATED IN CONFORMANCE WITH ASTM AND ANSI/AITC STANDARDS. EACH MEMBER SHALL BEAR AN AITC OR APA IDENTIFICATION MARK AND SHALL BE ACCOMPANIED BY AN AITC OR APA CERTIFICATE OF CONFORMANCE. ALL SIMPLE SPAN BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V4, Fb = 2,400 PSI, Fv = 265 PSI. ALL CANTILEVERED BEAMS SHALL BE DOUGLAS FIR COMBINATION 24F-V8, Fb = 2,400 PSI, Fv = 265 PSI. CAMBER ALL SIMPLE SPAN GLULAM BEAMS, WITH SPANS OVER 30', TO 3,500" RADIUS, UNLESS SHOWN OTHERWISE ON THE PLANS.

- MANUFACTURED LUMBER, PSL, LVL, AND LSL SHOWN ON PLAN ARE BASED PRODUCTS MANUFACTURED BY THE WEYERHAEUSER CORPORATION IN ACCORDANCE WITH ICC-ES REPORT ESR-1387. MEMBERS SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES:

PSL (2.0E WS)	Fb = 2900 PSI,	E = 2000 KSI,	Fv = 290 PSI
LVL (2.0E-2600FB WS)	Fb = 2600 PSI,	E = 2000 KSI,	Fv = 285 PSI
LSL (1.55E)	Fb = 2325 PSI,	E = 1550 KSI,	Fv = 310 PSI

ALTERNATE MANUFACTURED LUMBER MANUFACTURERS MAY BE USED SUBJECT TO REVIEW AND APPROVAL BY THE ARCHITECT AND STRUCTURAL ENGINEER. ALTERNATE MANUFACTURER'S PRODUCTS SHALL BE COMPATIBLE WITH THE JOIST HANGERS AND OTHER HARDWARE SPECIFIED ON PLANS, OR ALTERNATE HANGERS AND HARDWARE SHALL SUBMITTED FOR REVIEW AND APPROVAL. SUBSTITUTED ITEMS SHALL HAVE ICC-ES REPORT APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES.

MANUFACTURED LUMBER PRODUCTS SHALL BE INSTALLED WITH A MOISTURE CONTENT OF 12% OR LESS. THE CONTRACTOR SHALL MAKE PROVISIONS DURING CONSTRUCTION TO PREVENT THE MOISTURE CONTENT OF INSTALLED BEAMS FROM EXCEEDING 12%. EXCESSIVE DEFLECTIONS MAY OCCUR IF MOISTURE CONTENT EXCEEDS THIS VALUE.

- PREFABRICATED OPEN WEB WOOD TRUSSES (OR COMBINATION WOOD AND METAL) SHALL BE DESIGNED BY THE MANUFACTURER FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS AND SHALL BE FURNISHED AND INSTALLED IN CONFORMANCE WITH THE MANUFACTURER'S PUBLISHED SPECIFICATIONS. ALL NECESSARY BRIDGING, BLOCKING, BLOCKING PANELS, STIFFENERS, ETC., SHALL BE DETAILED AND FURNISHED BY THE MANUFACTURER. SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. DESIGN SUBMITTALS SHALL BEAR THE STAMP AND SIGNATURE OF A REGISTERED PROFESSIONAL ENGINEER, STATE OF WASHINGTON. PERMANENT AND TEMPORARY BRIDGING SHALL BE INSTALLED IN CONFORMANCE WITH MANUFACTURER'S SPECIFICATIONS.

- PREFABRICATED CONNECTOR PLATE WOOD ROOF TRUSSES SHALL BE DESIGNED BY THE MANUFACTURER IN ACCORDANCE WITH THE "NATIONAL DESIGN STANDARD FOR METAL PLATE-CONNECTED WOOD TRUSS CONSTRUCTION, ANSI/TPI 1" BY THE TRUSS PLATE INSTITUTE FOR THE SPANS AND CONDITIONS SHOWN ON THE PLANS. LOADING SHALL BE AS FOLLOWS:

TOP CHORD LIVE LOAD	25 PSF
TOP CHORD DEAD LOAD	10 PSF
BOTTOM CHORD DEAD LOAD	5 PSF
TOTAL LOAD	40 PSF

WIND UPLIFT (TOP CHORD)	5 PSF
BOTTOM CHORD LIVE LOAD	10 PSF
(BOTTOM CHORD LIVE LOAD DOES NOT ACT CONCURRENTLY WITH THE ROOF LIVE LOAD)	

WOOD TRUSSES SHALL UTILIZE APPROVED CONNECTOR PLATES (GANGNAIL OR EQUAL). SUBMIT SHOP DRAWINGS AND DESIGN CALCULATIONS TO THE ARCHITECT AND STRUCTURAL ENGINEER FOR REVIEW PRIOR TO FABRICATION. SUBMITTED DOCUMENTS SHALL BE SIGNED AND STAMPED BY A STRUCTURAL ENGINEER REGISTERED IN THE STATE OF WASHINGTON. PROVIDE FOR SHAPES, BEARING POINTS, INTERSECTIONS, HIPS, VALLEYS, ETC., SHOWN ON THE DRAWINGS. EXACT COMPOSITION OF SPECIAL HIP, VALLEY, AND INTERSECTION AREAS (USE OF GIRDER TRUSSES, JACK TRUSSES, STEP-DOWN TRUSSES, ETC.) SHALL BE DETERMINED BY THE MANUFACTURER UNLESS SPECIFICALLY INDICATED ON THE PLANS. PROVIDE ALL TRUSS TO TRUSS AND TRUSS TO GIRDER TRUSS CONNECTION DETAILS AND REQUIRED CONNECTION MATERIALS. PROVIDE FOR ALL TEMPORARY AND PERMANENT TRUSS BRACING AND BRIDGING.

- PLYWOOD SHEATHING SHALL BE GRADE C-D, EXTERIOR GLUE OR STRUCTURAL II, EXTERIOR GLUE IN CONFORMANCE WITH DCC PS 1 OR PS 2. ORIENTED STRAND BOARD OF EQUIVALENT THICKNESS, EXPOSURE RATING AND PANEL INDEX MAY BE USED IN LIEU OF PLYWOOD.

ROOF SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 32/16.

FLOOR SHEATHING SHALL BE 3/4" (NOMINAL) WITH SPAN RATING 48/24.

WALL SHEATHING SHALL BE 1/2" (NOMINAL) WITH SPAN RATING 24/0.

PROVIDE APPROVED PLYWOOD EDGE CLIPS CENTERED BETWEEN JOISTS/TRUSSES AT UNBLOCKED ROOF SHEATHING EDGES. ALL FLOOR SHEATHING EDGES SHALL HAVE APPROVED T&G JOINTS OR SHALL BE SUPPORTED WITH SOLID BLOCKING. ALLOW 1/8" SPACING AT ALL PANEL EDGES AND ENDS OF FLOOR AND ROOF SHEATHING.

REFER TO WOOD FRAMING NOTES BELOW FOR TYPICAL NAILING REQUIREMENTS.

- ALL WOOD IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE-TREATED WITH AN APPROVED PRESERVATIVE OR (2) LAYERS OF ASPHALT IMPREGNATED BUILDING PAPER SHALL BE PROVIDED BETWEEN UNTREATED WOOD AND CONCRETE OR MASONRY.

- PRESERVATIVE TREATED WOOD SHALL BE TREATED PER WMPA STANDARD U1 TO THE USE CATEGORY EQUAL TO OR HIGHER THAN THE INTENDED APPLICATION. TREATED WOOD FOR ABOVE GROUND USE SHALL BE TREATED TO WMPA UC3B. WOOD IN CONTINUOUS CONTACT WITH FRESH WATER OR SOIL SHALL BE TREATED TO WMPA UC4A. WOOD FOR USE IN PERMANENT FOUNDATIONS SHALL BE TREATED TO WMPA UC4B.

- FASTENERS AND TIMBER CONNECTORS USED WITH TREATED WOOD SHALL HAVE CORROSION RESISTANCE AS INDICATED IN THE FOLLOWING TABLE, UNLESS OTHERWISE NOTED.

WOOD TREATMENT	CONDITION	PROTECTION
HAS NO AMMONIA CARRIER	INTERIOR DRY	G90 GALVANIZED
CONTAINS AMMONIA CARRIER	INTERIOR DRY	G185 OR A185 HOT DIPPED OR CONTINUOUS HOT-GALVANIZED PER ASTM A653
CONTAINS AMMONIA CARRIER	INTERIOR WET	TYPE 304 OR 316 STAINLESS
CONTAINS AMMONIA CARRIER	EXTERIOR	TYPE 304 OR 316 STAINLESS
AZCA	ANY	TYPE 304 OR 316 STAINLESS

INTERIOR DRY CONDITIONS SHALL HAVE WOOD MOISTURE CONTENT LESS THAN 19%. WOOD MOISTURE CONTENT IN OTHER CONDITIONS (INTERIOR WET, EXTERIOR WET, AND EXTERIOR DRY) IS EXPECTED TO EXCEED 19%. CONNECTORS AND THEIR FASTENERS SHALL BE THE SAME MATERIAL. COMPLY WITH THE TREATMENT MANUFACTURERS RECOMMENDATIONS FOR PROTECTION OF METAL.

- TIMBER CONNECTORS CALLED OUT BY LETTERS AND NUMBERS SHALL BE "STRONG-TIE" BY SIMPSON COMPANY, AS SPECIFIED IN THEIR CATALOG NUMBER C-C-2019. EQUIVALENT DEVICES BY OTHER MANUFACTURERS MAY BE SUBSTITUTED, PROVIDED THEY HAVE ICC-ES APPROVAL FOR EQUAL OR GREATER LOAD CAPACITIES. PROVIDE NUMBER AND SIZE OF FASTENERS AS SPECIFIED BY MANUFACTURER FOR MAXIMUM LOAD CARRYING CAPACITY. CONNECTORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S RECOMMENDATIONS.

ALL 2X JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "LUS" SERIES JOIST HANGERS. ALL TJI JOISTS SHALL BE CONNECTED TO FLUSH BEAMS WITH "ITS" SERIES JOIST HANGERS. ALL DOUBLE-JOIST BEAMS SHALL BE CONNECTED TO FLUSH BEAMS WITH "MIT" SERIES JOIST HANGERS.

WHERE CONNECTOR STRAPS CONNECT TWO MEMBERS, PLACE ONE-HALF OF THE NAILS OR BOLTS IN EACH MEMBER.

ALL SHIMS SHALL BE SEASONED AND DRIED AND THE SAME GRADE (MINIMUM)AS MEMBERS CONNECTED.

#### WOOD FASTENERS

- NAIL SIZES SPECIFIED ON DRAWINGS ARE BASED ON THE FOLLOWING SPECIFICATIONS:

SIZE	LENGTH	DIAMETER
6d	2"	0.113"
8d	2-1/2"	0.131"
10d	3"	0.148"
12d	3-1/4"	0.148"
16d BOX	3-1/2"	0.135"

IF CONTRACTOR PROPOSES THE USE OF ALTERNATE NAILS, THEY SHALL SUBMIT NAIL SPECIFICATIONS TO THE STRUCTURAL ENGINEER (PRIOR TO CONSTRUCTION) FOR REVIEW AND APPROVAL.

NAILS – PLYWOOD (APA RATED SHEATHING) FASTENERS TO FRAMING SHALL BE DRIVEN FLUSH TO FACE OF SHEATHING WITH NO COUNTERSINKING PERMITTED. TOE-NAILS SHALL BE DRIVEN AT AN ANGLE OF 30 DEGREES WITH THE MEMBER AND STARTED 1/3 THE LENGTH OF THE NAIL FROM THE MEMBER END.

- ALL BOLTS IN WOOD MEMBERS SHALL CONFORM TO ASTM A307. PROVIDE WASHERS UNDER THE HEADS AND NUTS OF ALL BOLTS AND LAG BOLTS BEARING ON WOOD. INSTALLATION OF LAG BOLTS SHALL CONFORM TO THE NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION WITH A LEAD BORE HOLE OF 60 TO 70 PERCENT OF THE SHANK DIAMETER. LEAD HOLES ARE NOT REQUIRED FOR 3/8" AND SMALLER LAG SCREWS.

- NOTCHES AND HOLES IN WOOD FRAMING:

- NOTCHES ON THE ENDS OF SOLID SAWN JOISTS AND RAFTERS SHALL NOT EXCEED ONE-FOURTH THE JOIST DEPTH. NOTCHES IN THE TOP OR BOTTOM OF SOLID SAWN JOISTS SHALL NOT EXCEED ONE-SIXTH THE DEPTH AND SHALL NOT BE LOCATED IN THE MIDDLE THIRD OF THE SPAN. HOLES BORED IN SOLID SAWN JOISTS AND RAFTERS SHALL NOT BE WITHIN 2 INCHES OF THE TOP OR BOTTOM OF THE JOIST, AND THE DIAMETER OF ANY SUCH HOLE SHALL NOT EXCEED ONE-THIRD THE DEPTH OF THE JOIST.

- IN EXTERIOR WALLS AND BEARING PARTITIONS, ANY WOOD STUD IS PERMITTED TO BE CUT OR NOTCHED TO A DEPTH NOT EXCEEDING 25 PERCENT OF ITS WIDTH. A HOLE NOT GREATER IN DIAMETER THAN 40 PERCENT OF THE STUD WIDTH IS PERMITTED TO BE BORED IN ANY WOOD STUD. IN NO CASE SHALL THE EDGE OF THE BORED HOLE BE NEARER THAN 5/8" INCH TO THE EDGE OF THE STUD. BORED HOLES SHALL NOT BE LOCATED AT THE SAME SECTION OF STUD AS A CUT OR NOTCH.

- NOTCHES AND HOLES IN MANUFACTURED LUMBER AND PREFABRICATED PLYWOOD WEB JOISTS SHALL BE PER THE MANUFACTURERS RECOMMENDATIONS UNLESS OTHERWISE NOTED.

- WOOD FRAMING NOTES--THE FOLLOWING APPLY UNLESS OTHERWISE SHOWN ON THE PLANS:

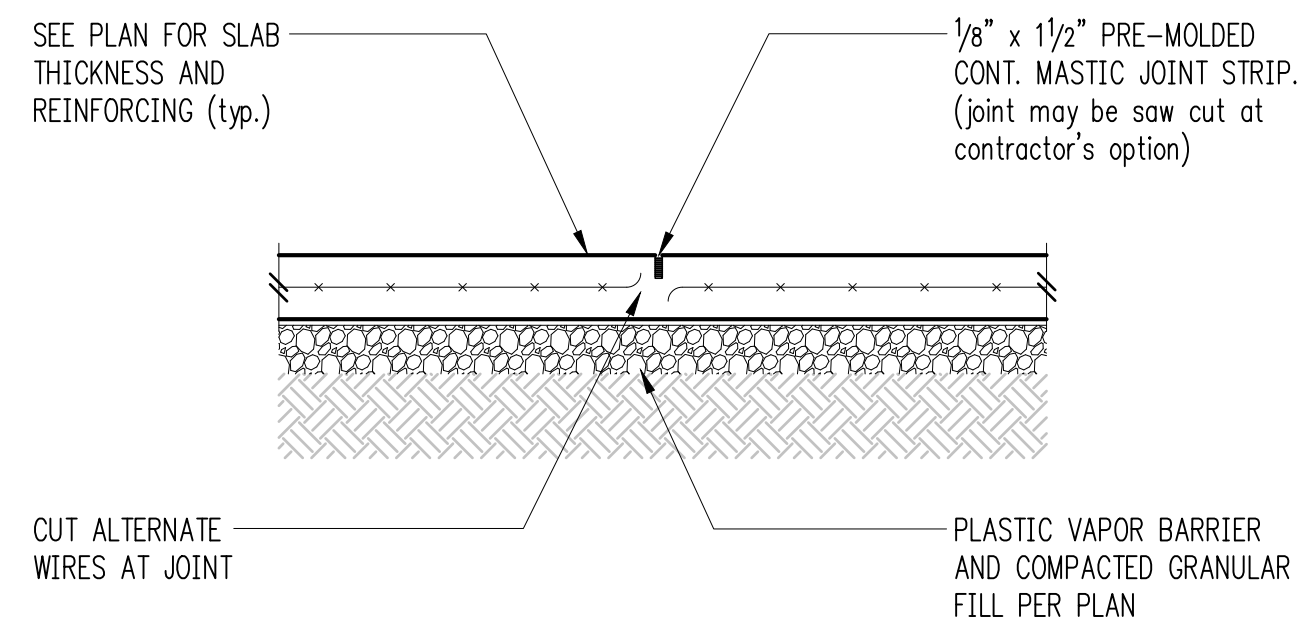
- ALL WOOD FRAMING DETAILS NOT SHOWN OTHERWISE SHALL BE CONSTRUCTED TO THE MINIMUM STANDARDS OF THE INTERNATIONAL BUILDING CODE, THE AITC "TIMBER CONSTRUCTION MANUAL" AND THE AWC "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION". MINIMUM NAILING, UNLESS OTHERWISE NOTED, SHALL CONFORM TO IBC TABLE 2304.10.1. COORDINATE THE SIZE AND LOCATION OF ALL OPENINGS WITH MECHANICAL AND ARCHITECTURAL DRAWINGS.

- WALL FRAMING: REFER ARCHITECTURAL DRAWINGS FOR THE SIZE OF ALL WALLS. ALL STUDS SHALL BE SPACED AT 16" O.C. UNO. TWO STUDS MINIMUM SHALL BE PROVIDED AT THE END OF ALL WALLS AND AT EACH SIDE OF ALL OPENINGS, AND AT BEAM OR HEADER BEARING LOCATIONS. TWO 2x8 HEADERS SHALL BE PROVIDED OVER ALL OPENINGS NOT OTHERWISE NOTED. SOLID BLOCKING FOR WOOD COLUMNS SHALL BE PROVIDED THROUGH FLOORS TO SUPPORTS BELOW. PROVIDE CONTINUOUS SOLID BLOCKING AT MID-HEIGHT OF ALL STUD WALLS OVER 10'-0" IN HEIGHT.

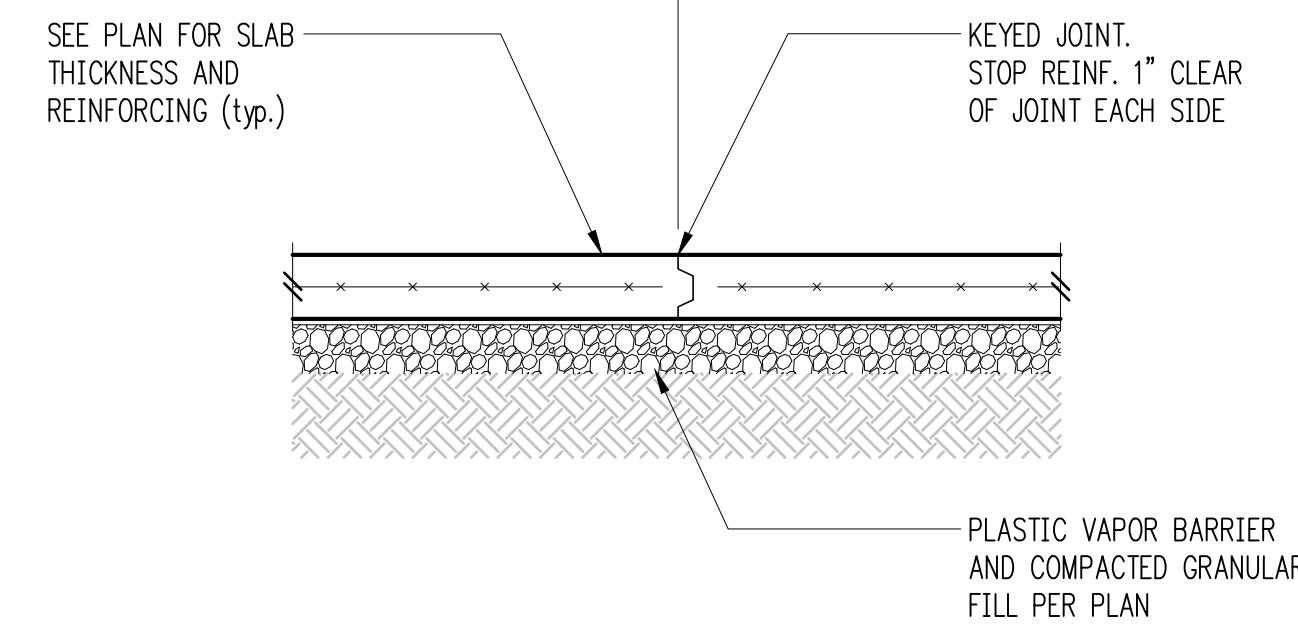
ALL WALLS SHALL HAVE A SINGLE BOTTOM PLATE AND A DOUBLE TOP PLATE. END NAIL TOP PLATE TO EACH STUD WITH TWO 16d NAILS, AND TOENAIL OR END NAIL EACH STUD TO BOTTOM PLATE WITH TWO 16d NAILS. FACE NAIL DOUBLE TOP PLATE WITH 16d @ 12" O.C. AND LAP MINIMUM 4'-0" AT JOINTS AND PROVIDE EIGHT 16d NAILS @ 4" O.C. EACH SIDE JOINT.

ALL STUD WALLS SHALL HAVE THEIR LOWER WOOD PLATES ATTACHED TO WOOD FRAMING BELOW WITH TWO ROWS OF 16d NAILS @ 12" ON-CENTER, OR ATTACHED TO CONCRETE BELOW WITH 5/8" DIAMETER ANCHOR BOLTS @ 4'-0" ON-CENTER EMBEDDED 7" MINIMUM, UNLESS INDICATED OTHERWISE. INDIVIDUAL MEMBERS OF BUILT-UP POSTS SHALL BE NAILED TO EACH OTHER WITH TWO ROWS OF 16d @12" ON-CENTER. UNLESS OTHERWISE NOTED, GYPSUM WALLBOARD SHALL BE FASTENED TO THE INTERIOR SURFACE OF ALL STUDS AND PLATES WITH NO. 6 X 1-1/4" TYPE S OR W SCREWS @ 8" ON-CENTER. UNLESS INDICATED OTHERWISE, 1/2" (NOMINAL)APA RATED SHEATHING (SPAN RATING 24/0) SHALL BE NAILED TO ALL EXTERIOR SURFACES WITH 8d NAILS @ 6" ON-CENTER AT PANEL EDGES AND TOP AND BOTTOM PLATES (BLOCK UN-SUPPORTED EDGES)AND TO ALL INTERMEDIATE STUDS AND BLOCKING WITH 8d NAILS @ 12" ON-CENTER ALLOW 1/8" SPACING AT ALL PANEL EDGES AND PANEL ENDS.

- FLOOR AND ROOF FRAMING: PROVIDE DOUBLE JOISTS UNDER ALL PARALLEL PARTITIONS THAT



Control Joint

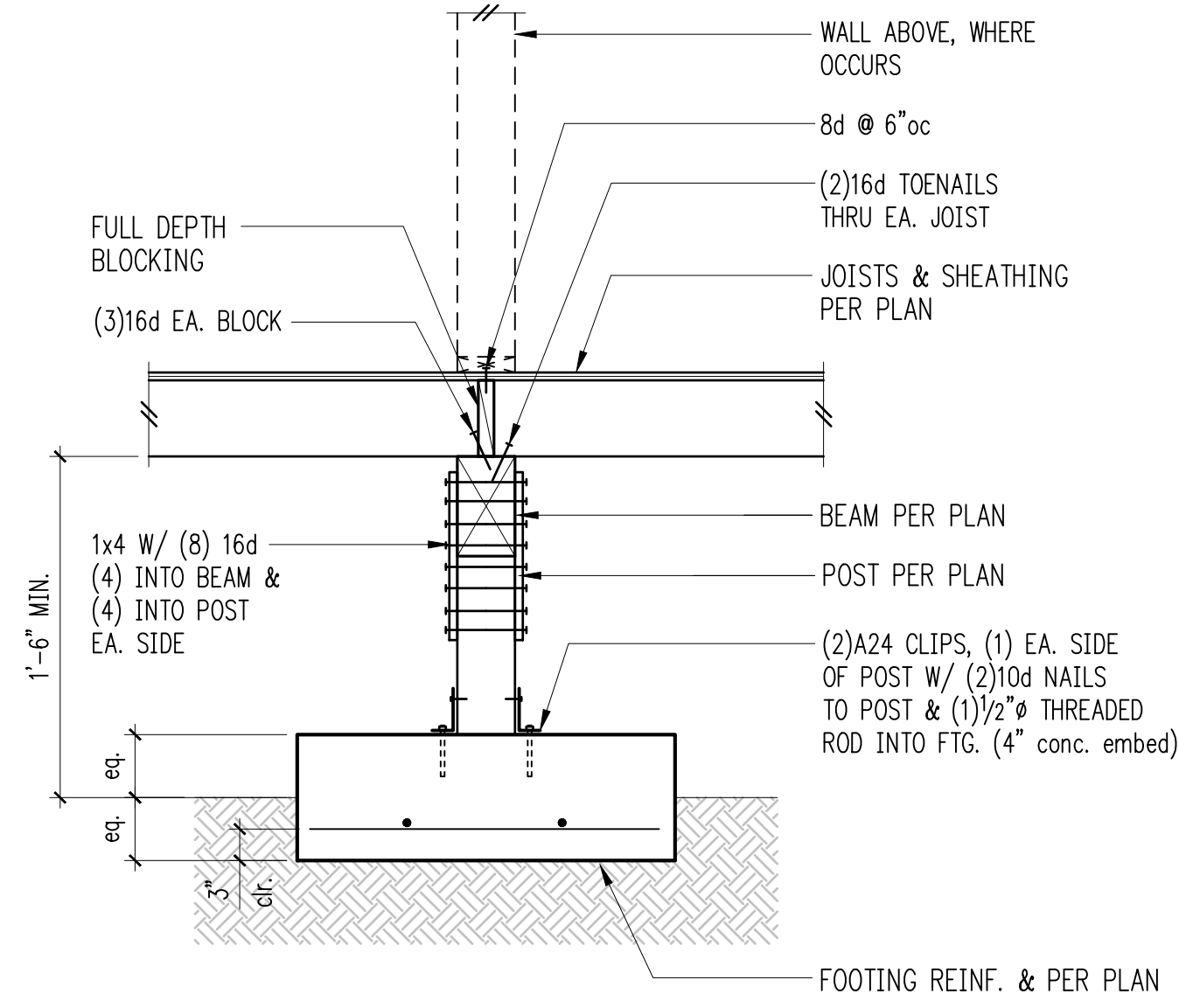


Construction Joint

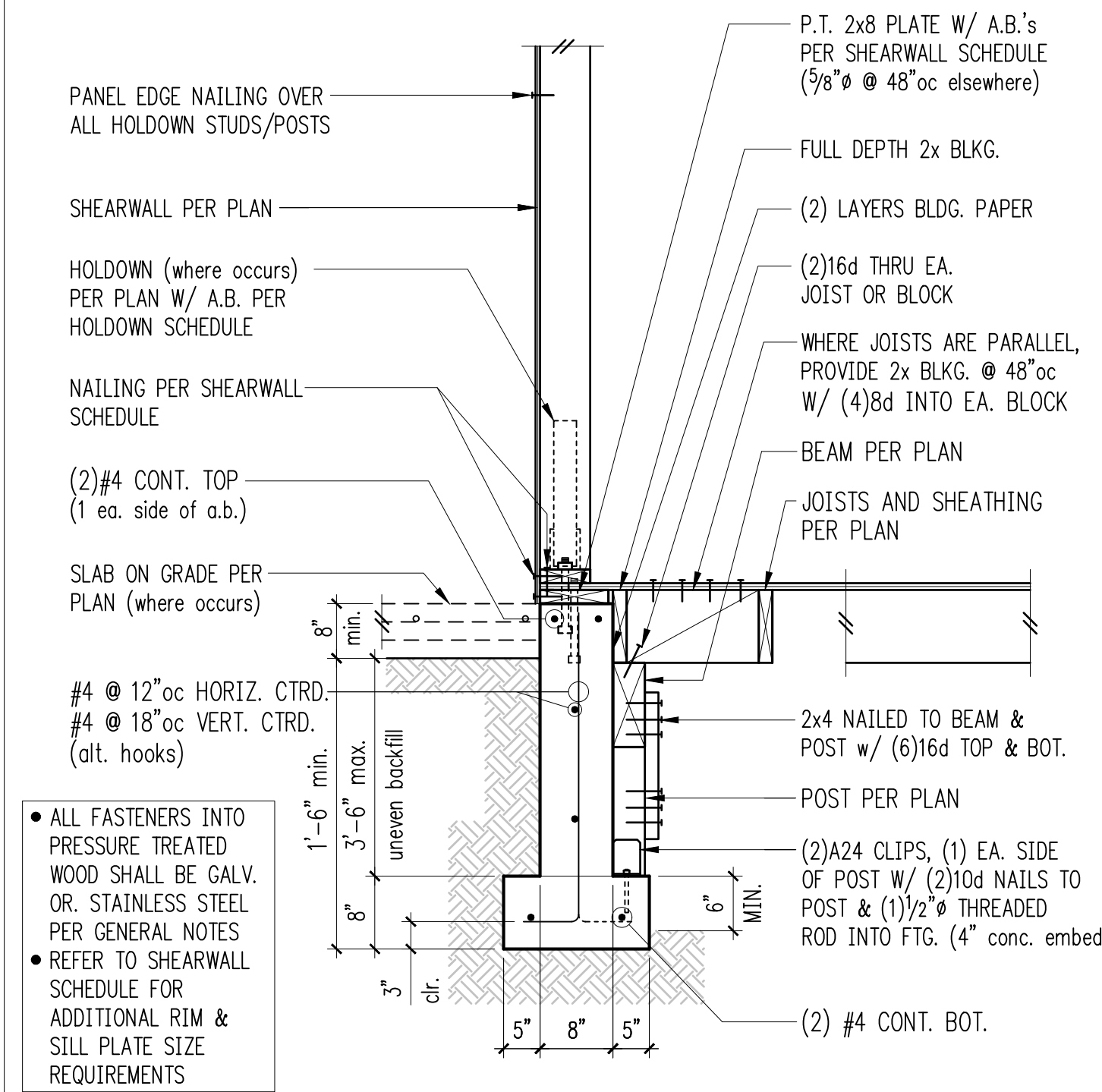
PROVIDE CONTROL OR CONSTRUCTION JOINTS IN SLABS ON GRADE TO BREAK UP SLAB INTO RECTANGULAR AREAS OF 250 SQUARE FEET OR LESS. AREAS TO BE APPROX. SQUARE AND HAVE NO ACUTE ANGLES. JOINT LOCATIONS TO BE APPROVED BY THE ARCHITECT.

Typical Slab Joints (w.w.m.)

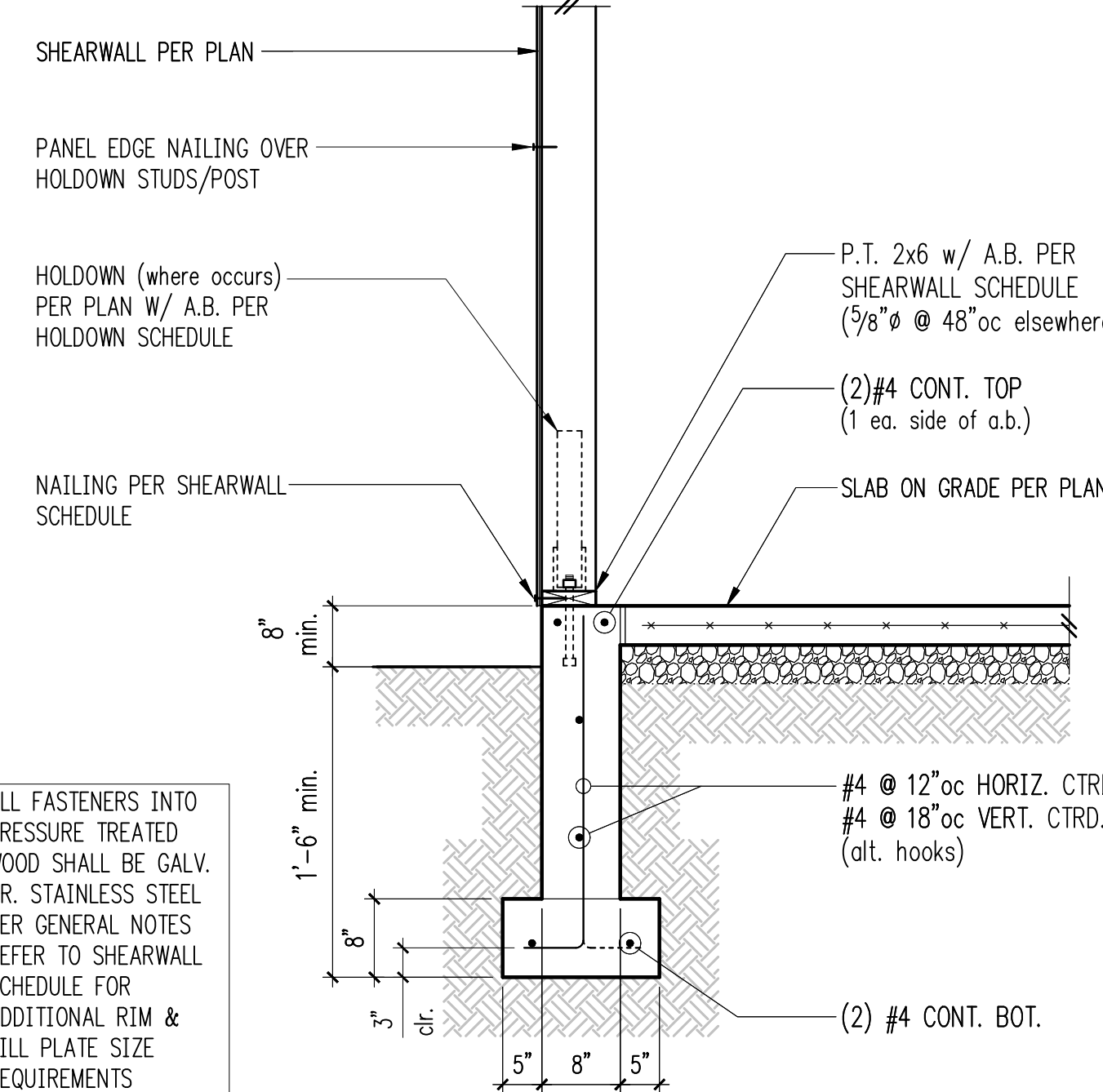
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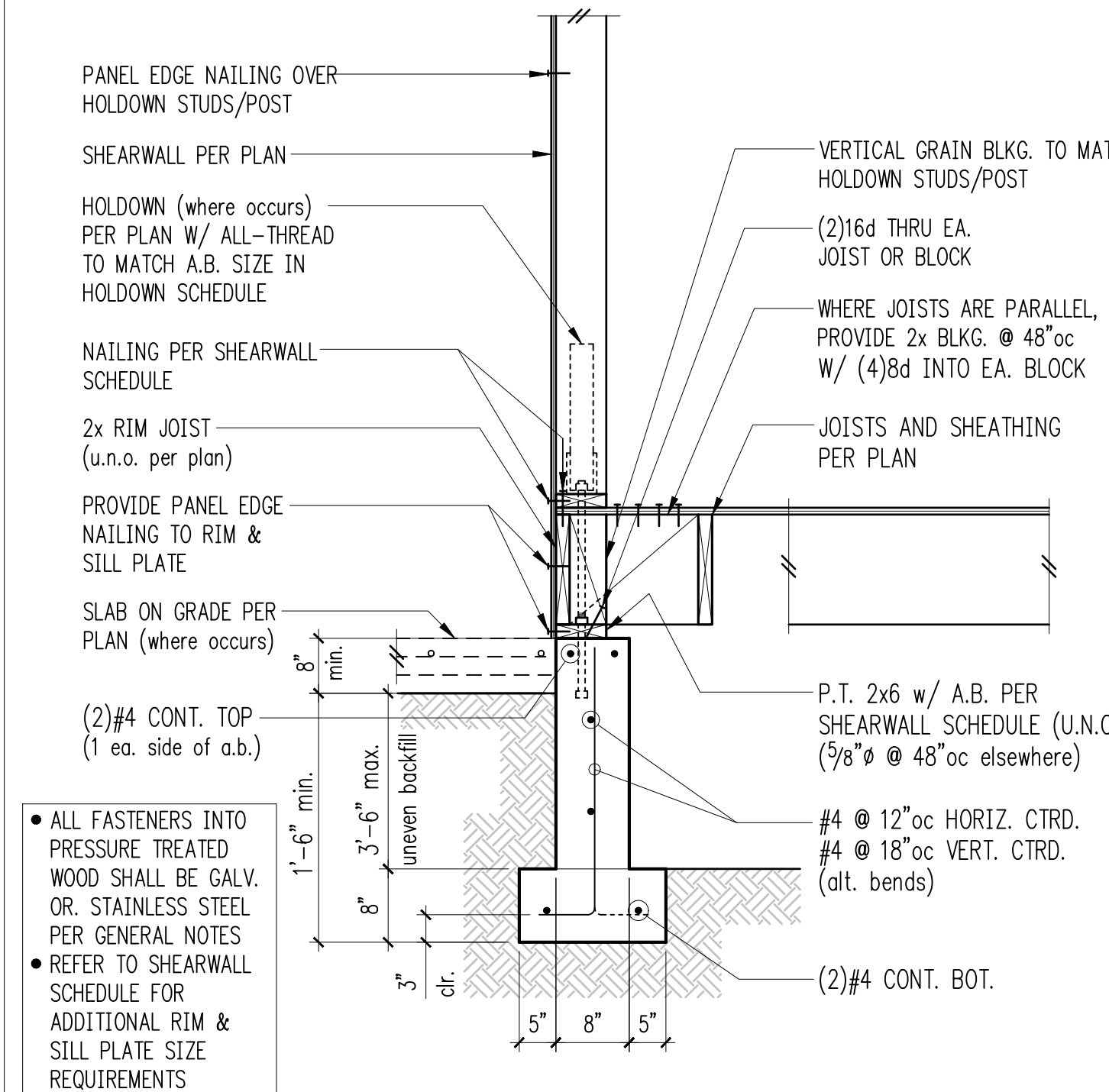
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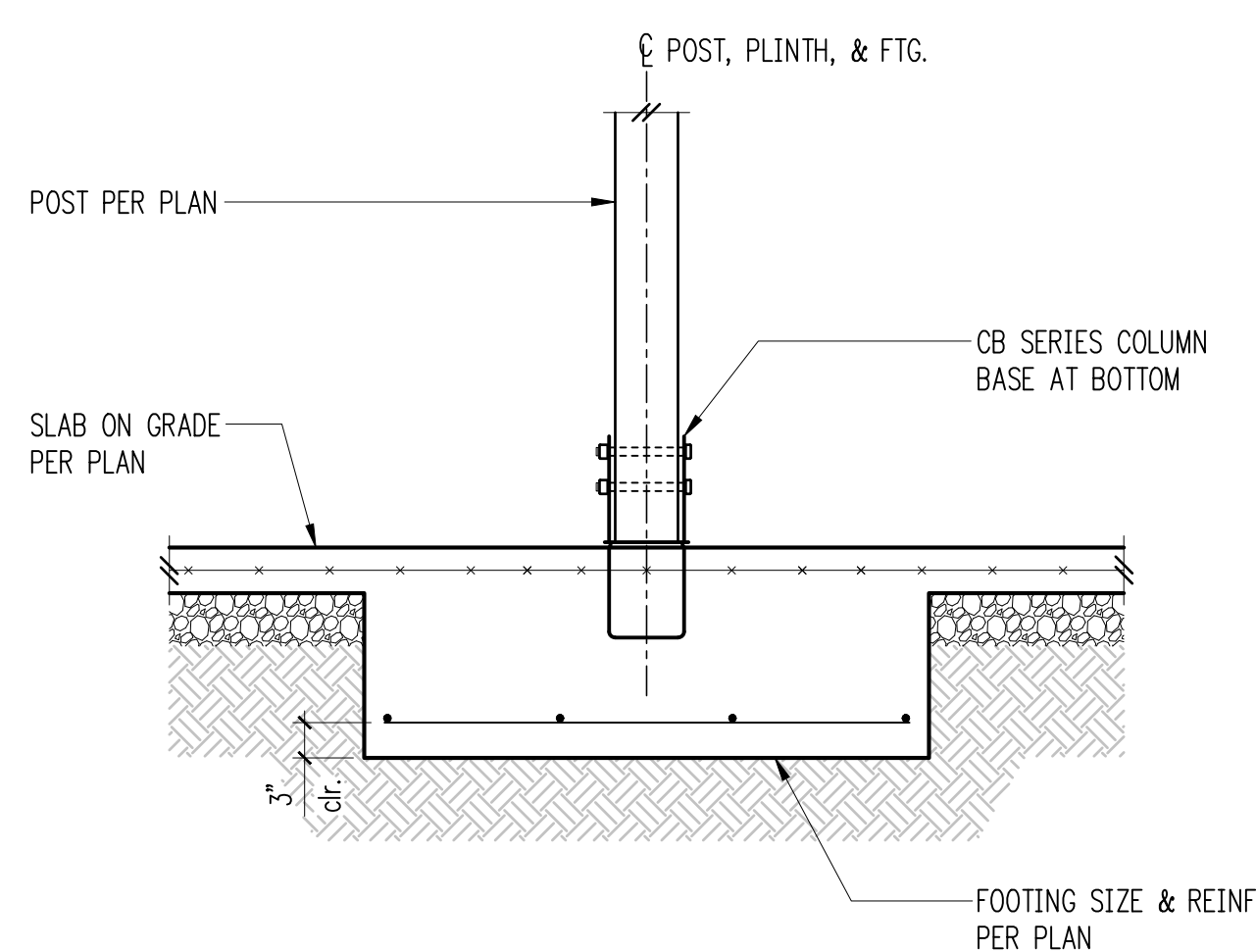
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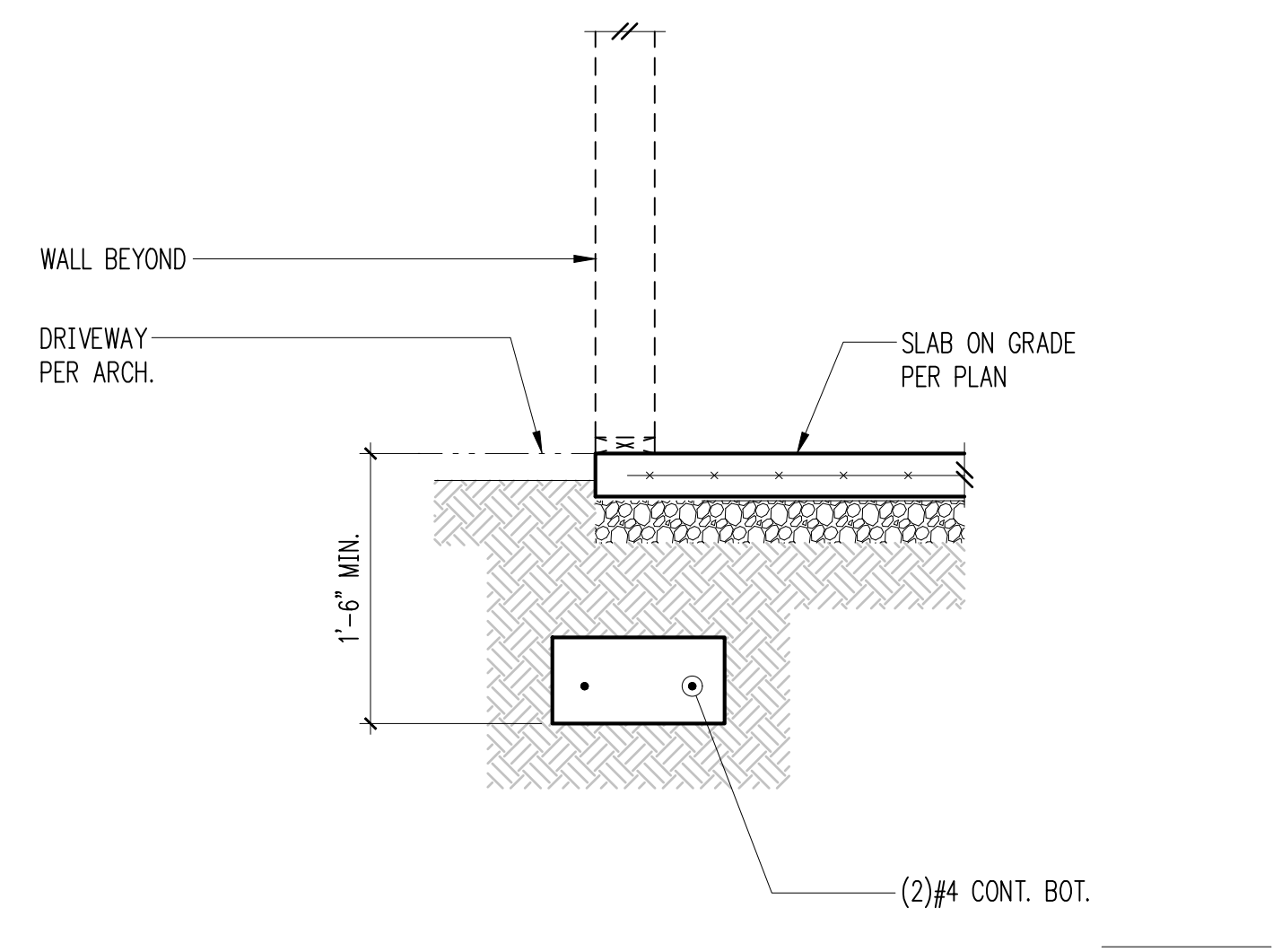
6



8



9



10



11

FOR CALLOUTS IN COMMON REFER 7/S3.1

12

DRAWN:	JDT
DESIGN:	JDT
CHECKED:	JDT
APPROVED:	GFJ

REVISIONS:


PROJECT TITLE:  
Shelburne II 9119

ARCHITECT:  
William E. Buchan Homes  
2630 116th Ave NE Suite 100  
Bellevue, WA 98004

ISSUE:  
**PERMIT SET**

SHEET TITLE:  
**Typ. Foundation & Wood Framing Details**

SCALE: 3/4" = 1'-0"  
DATE: November 3, 2021  
PROJECT NO: 01011-2021-11  
SHEET NO:

**S3.1**  
NO. OF SHEETS:



DRAWN: JDT  
 DESIGN: JDT  
 CHECKED: JDT  
 APPROVED: GFJ

REVISIONS:


PROJECT TITLE:  
**Shelburne II 9119**

ARCHITECT:  
**William E. Buchan Homes**  
 2630 116th Ave NE Suite 100  
 Bellevue, WA 98004

ISSUE:  
**PERMIT SET**

SHEET TITLE:  
**Wood Framing Details**

SCALE: **3/4" = 1'-0"**

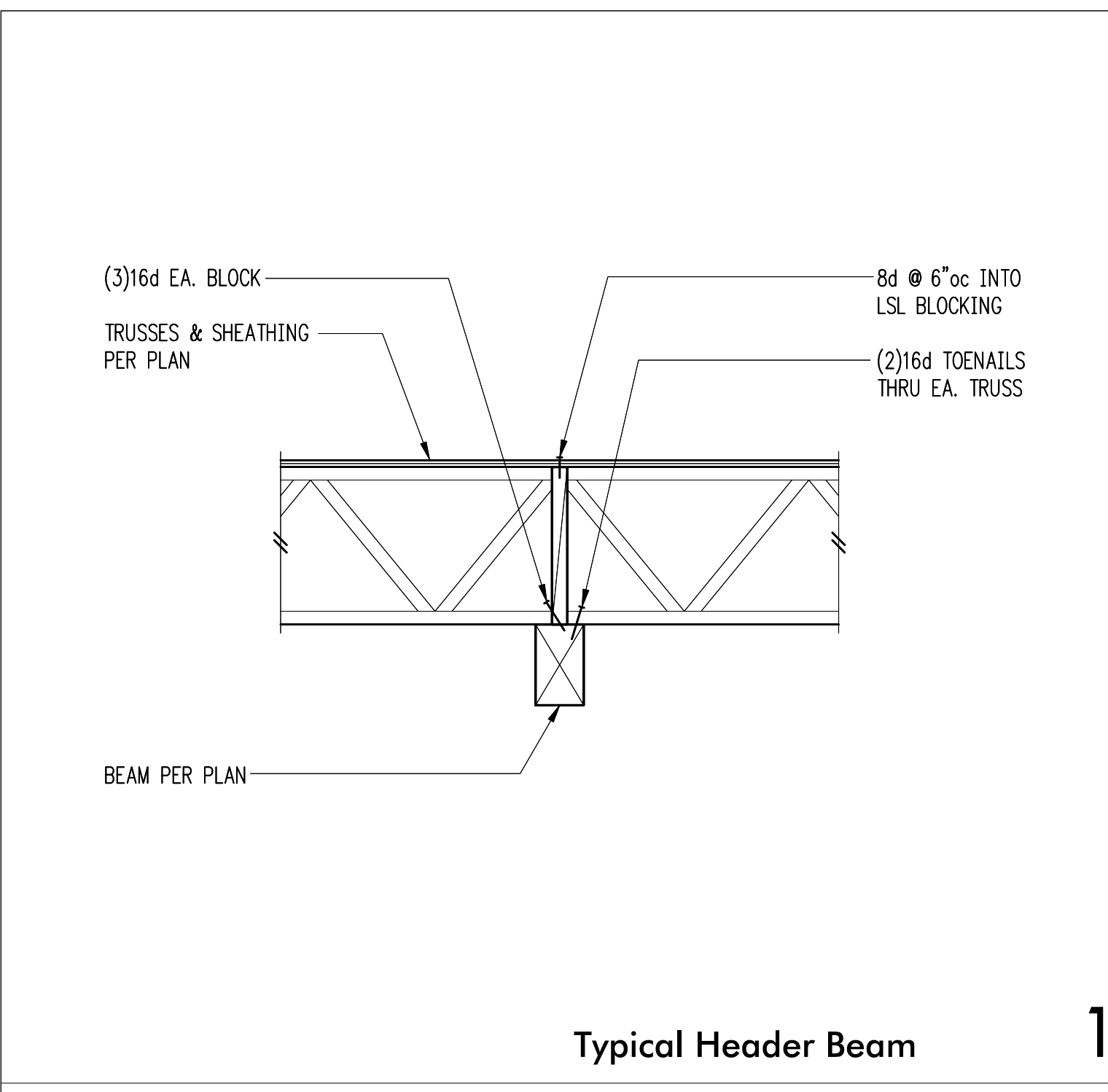
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PROJECT NO: **01011-2021-11**

SHEET NO:

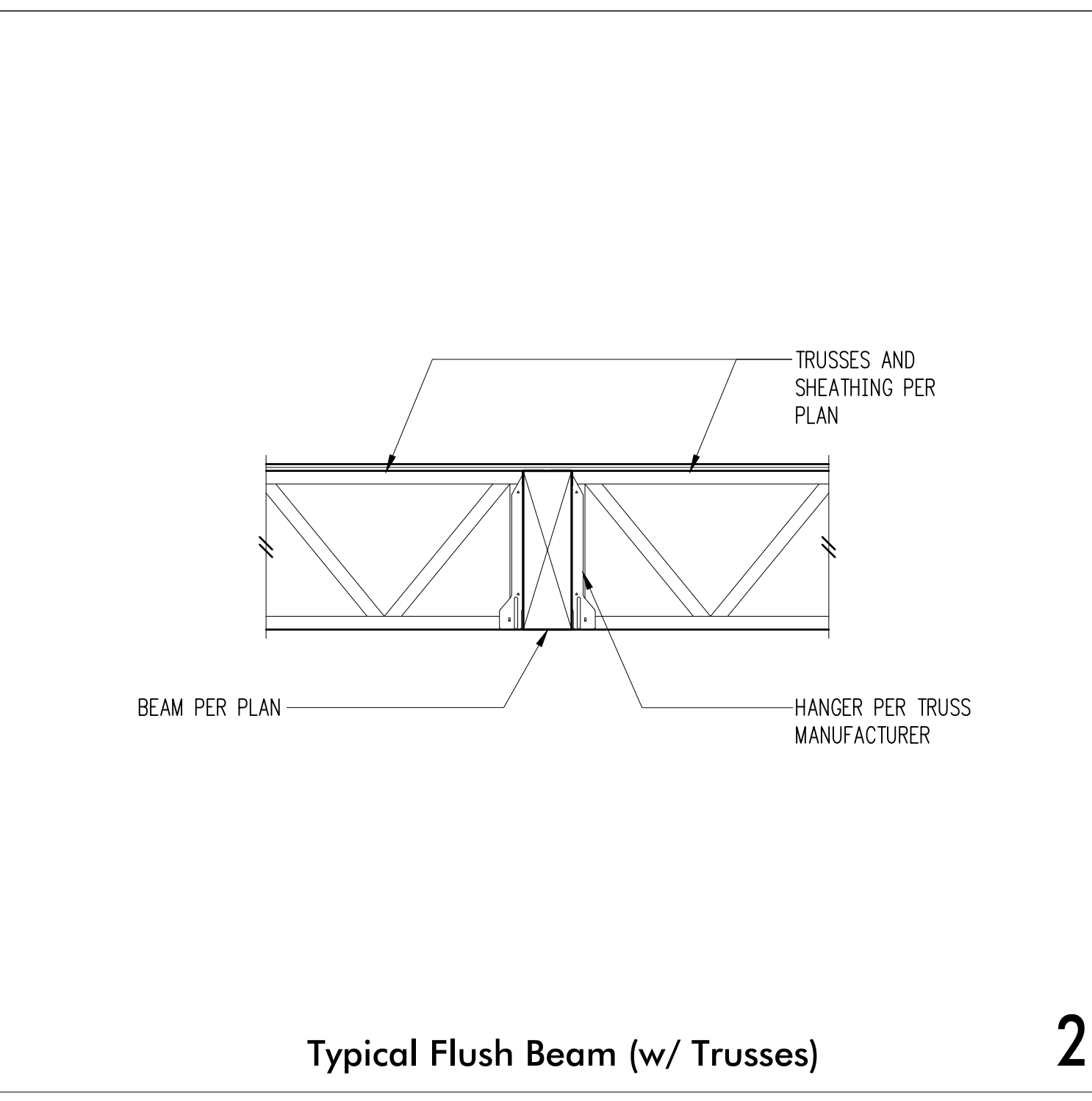
**S3.2**

NO. OF SHEETS:



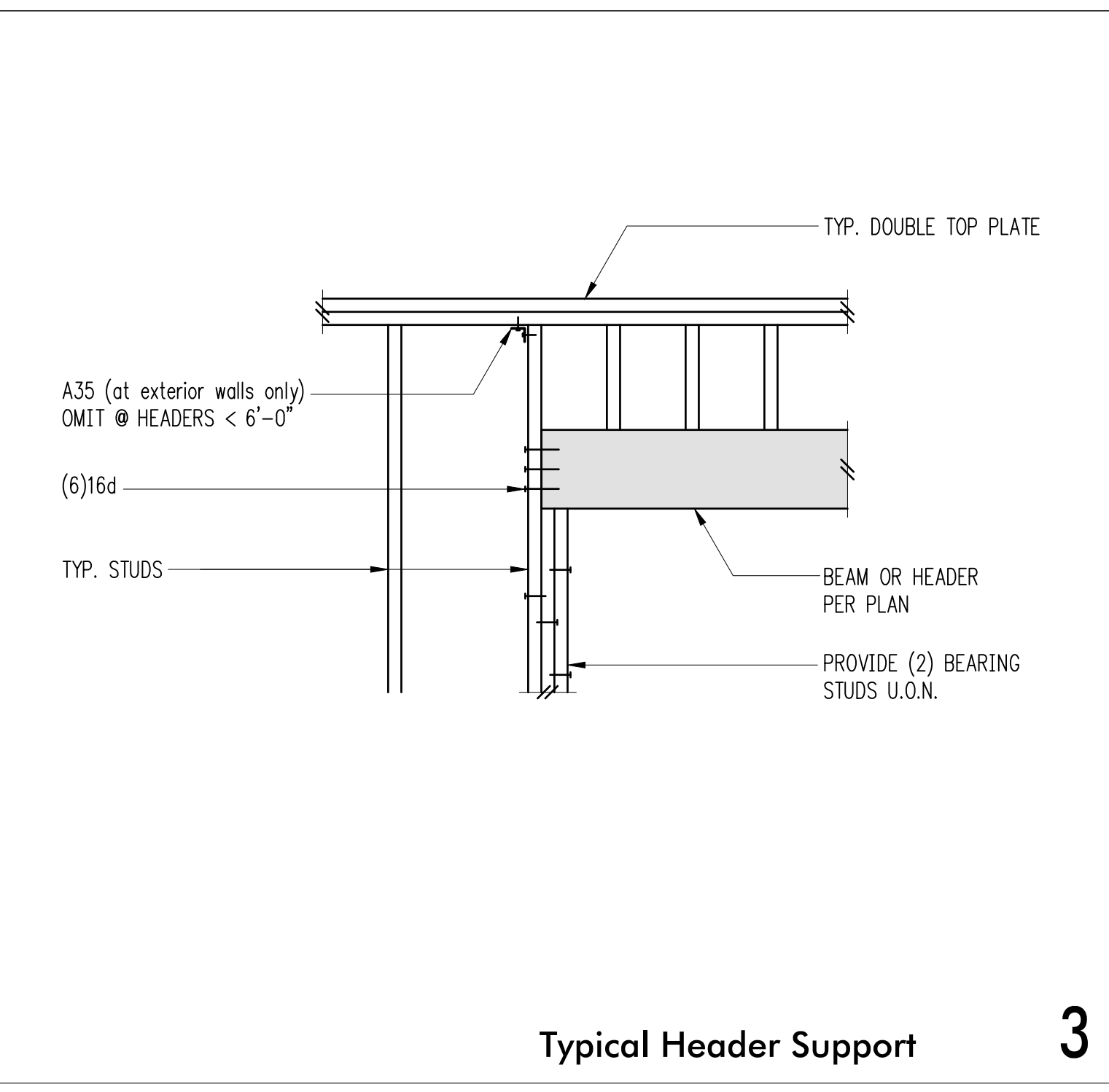
**Typical Header Beam**

**1**



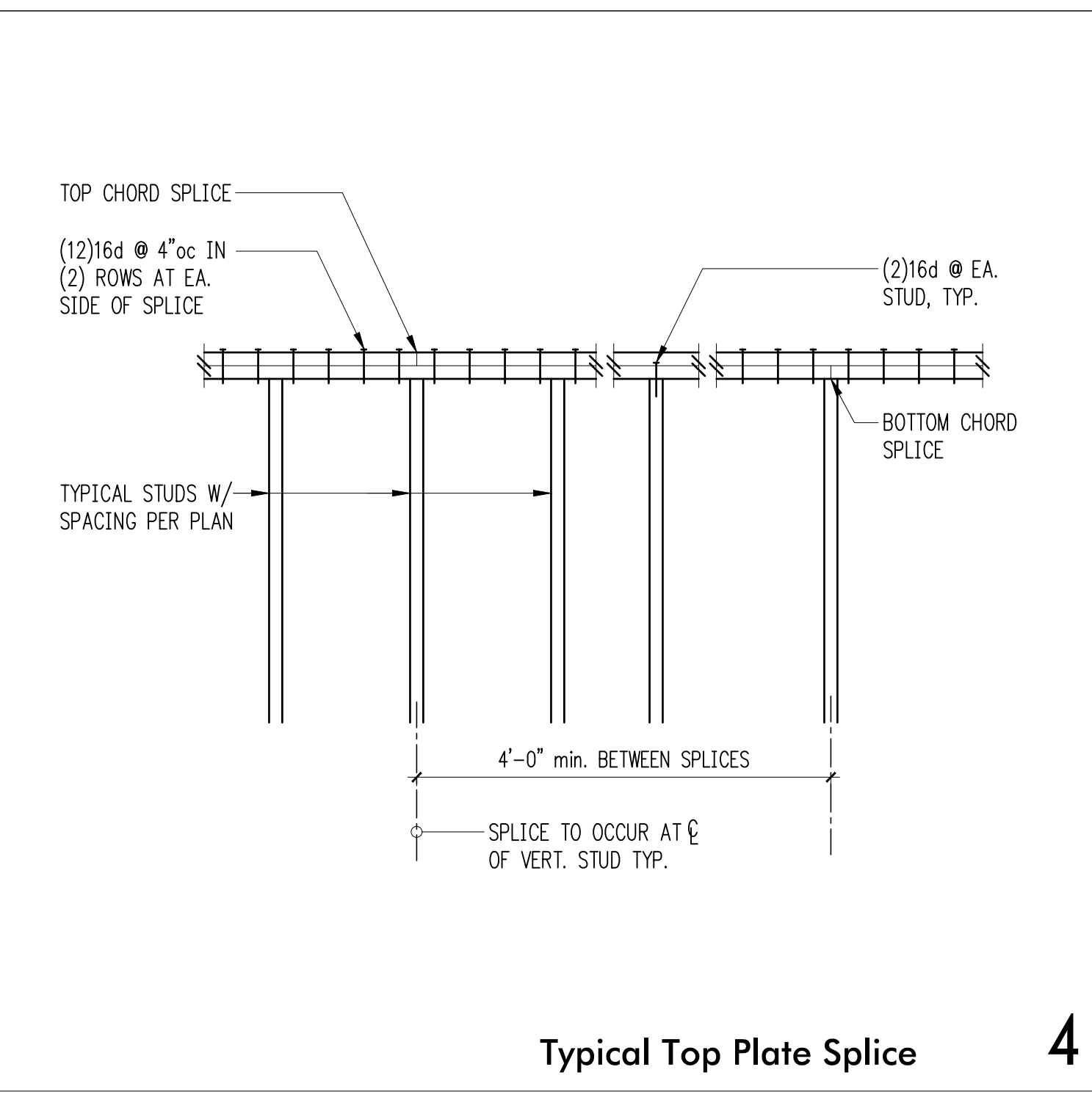
**Typical Flush Beam (w/ Trusses)**

**2**



**Typical Header Support**

**3**

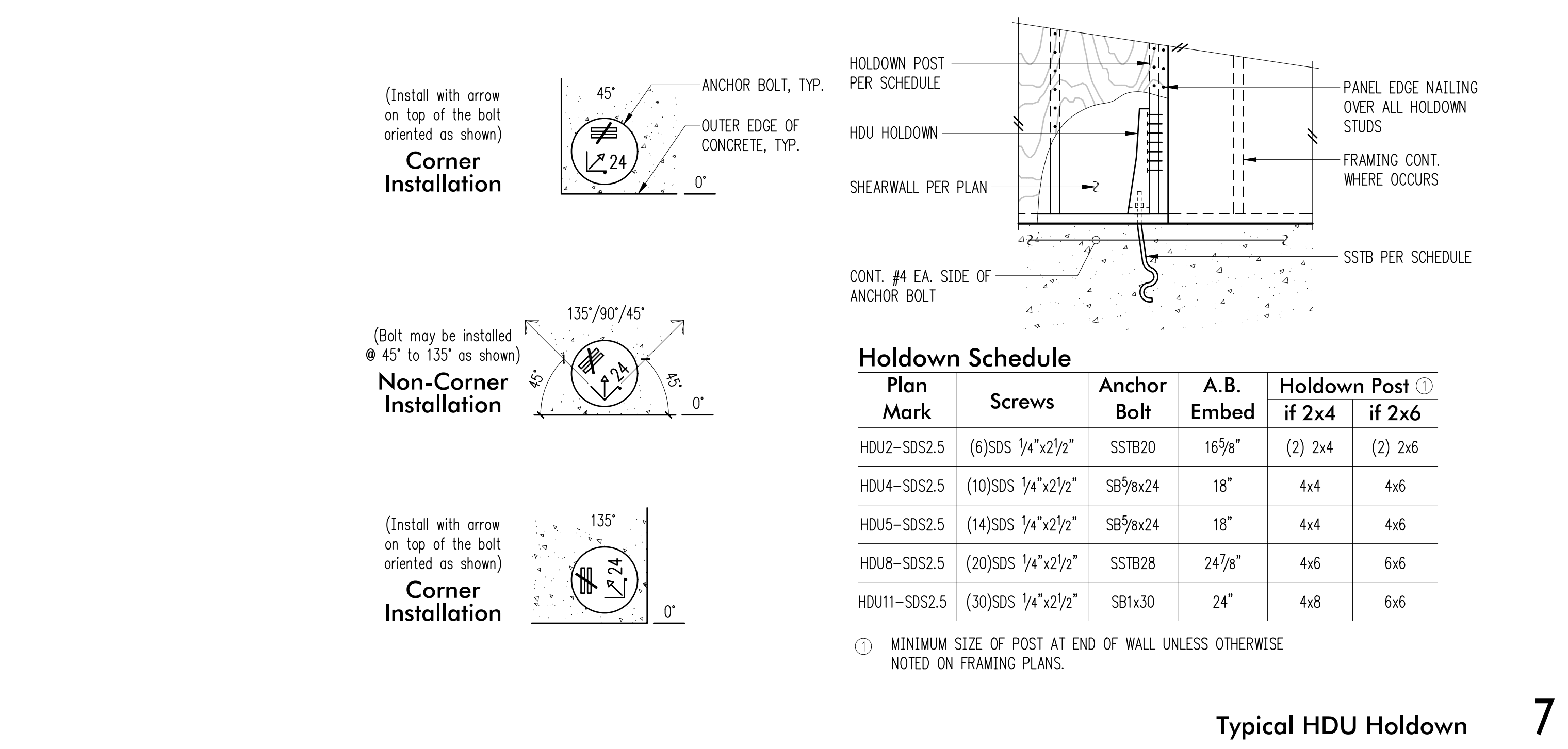


**Typical Top Plate Splice**

**4**

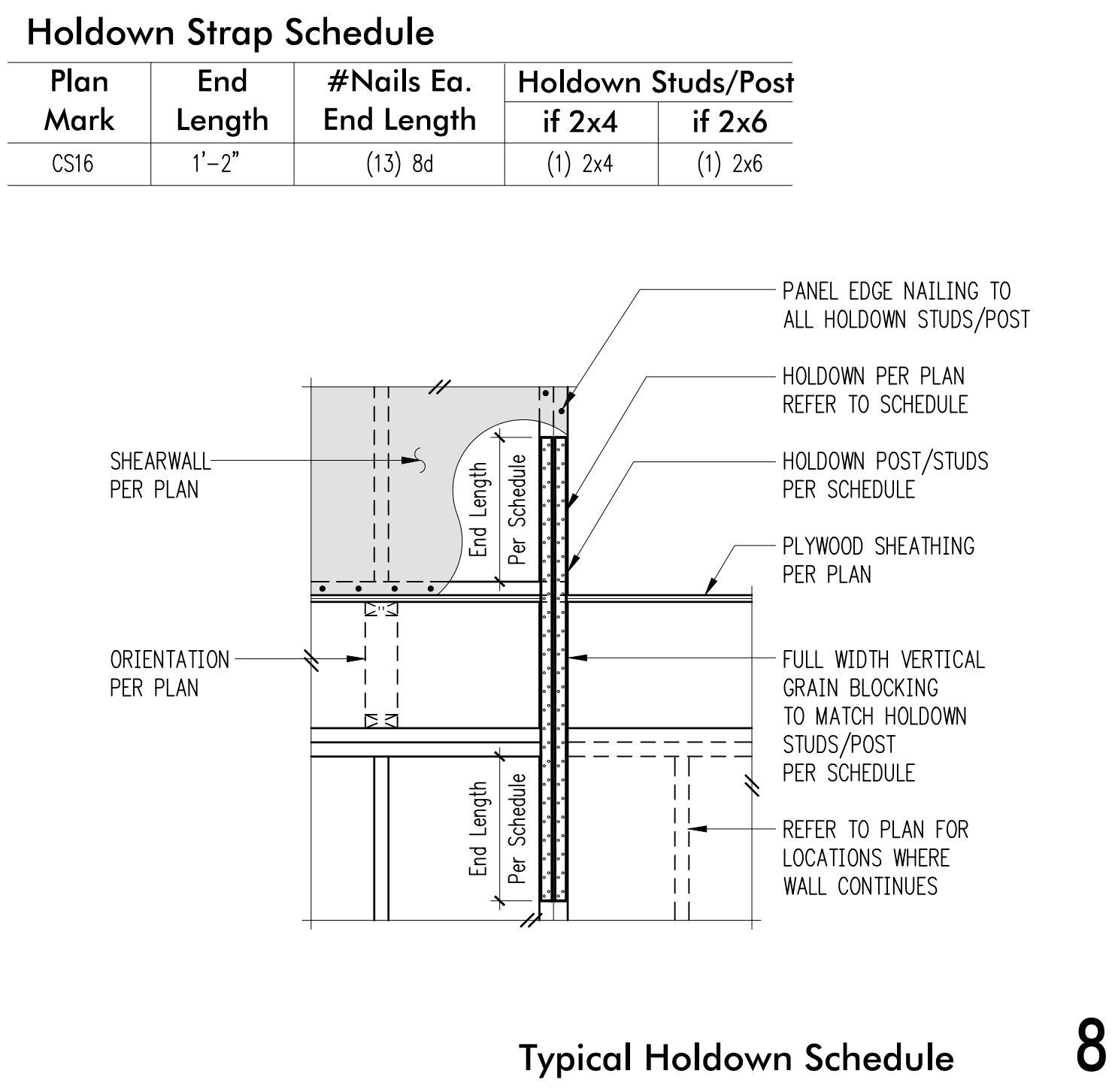


**5**



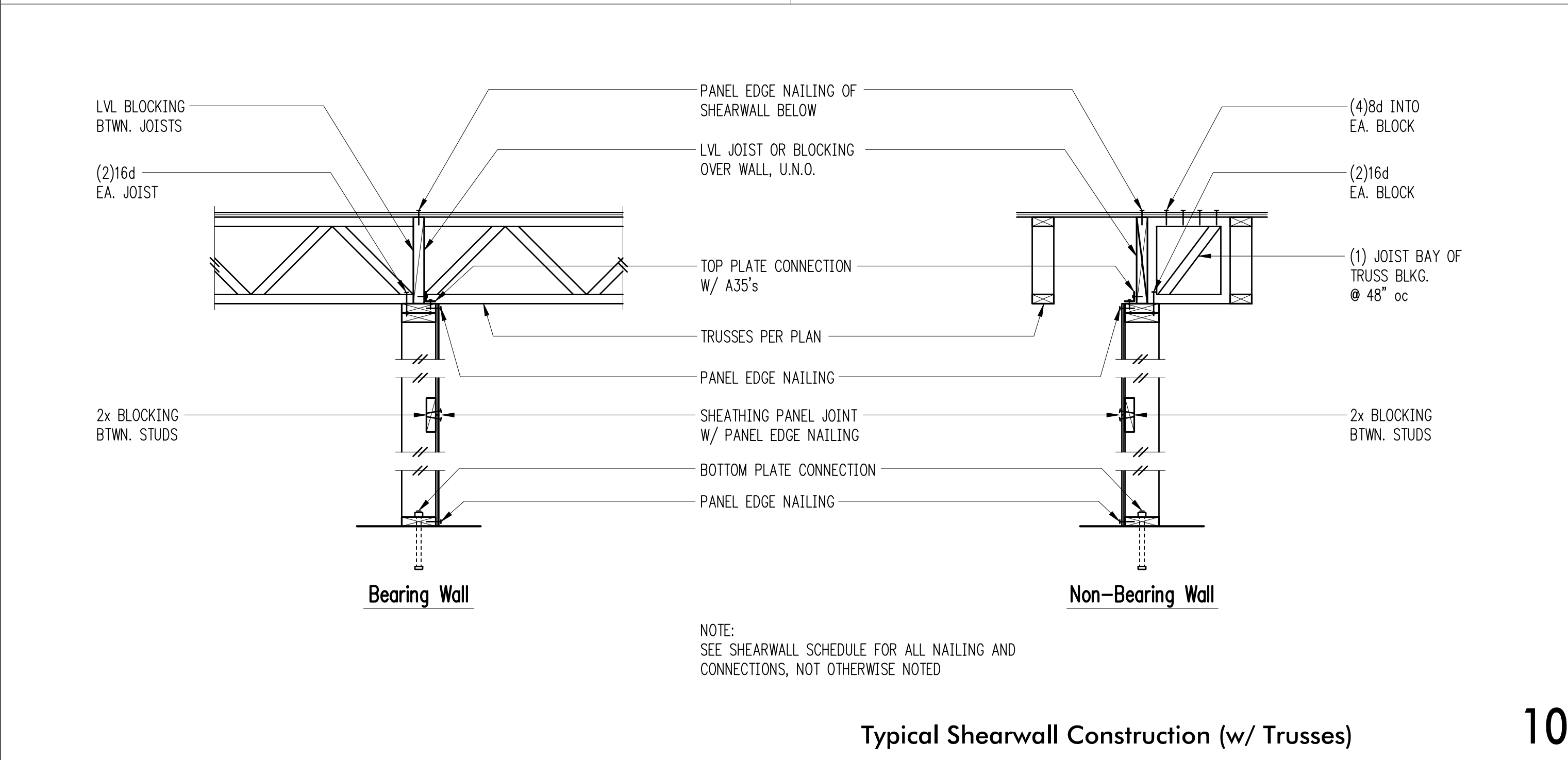
**Typical HDU Holdown**

**7**



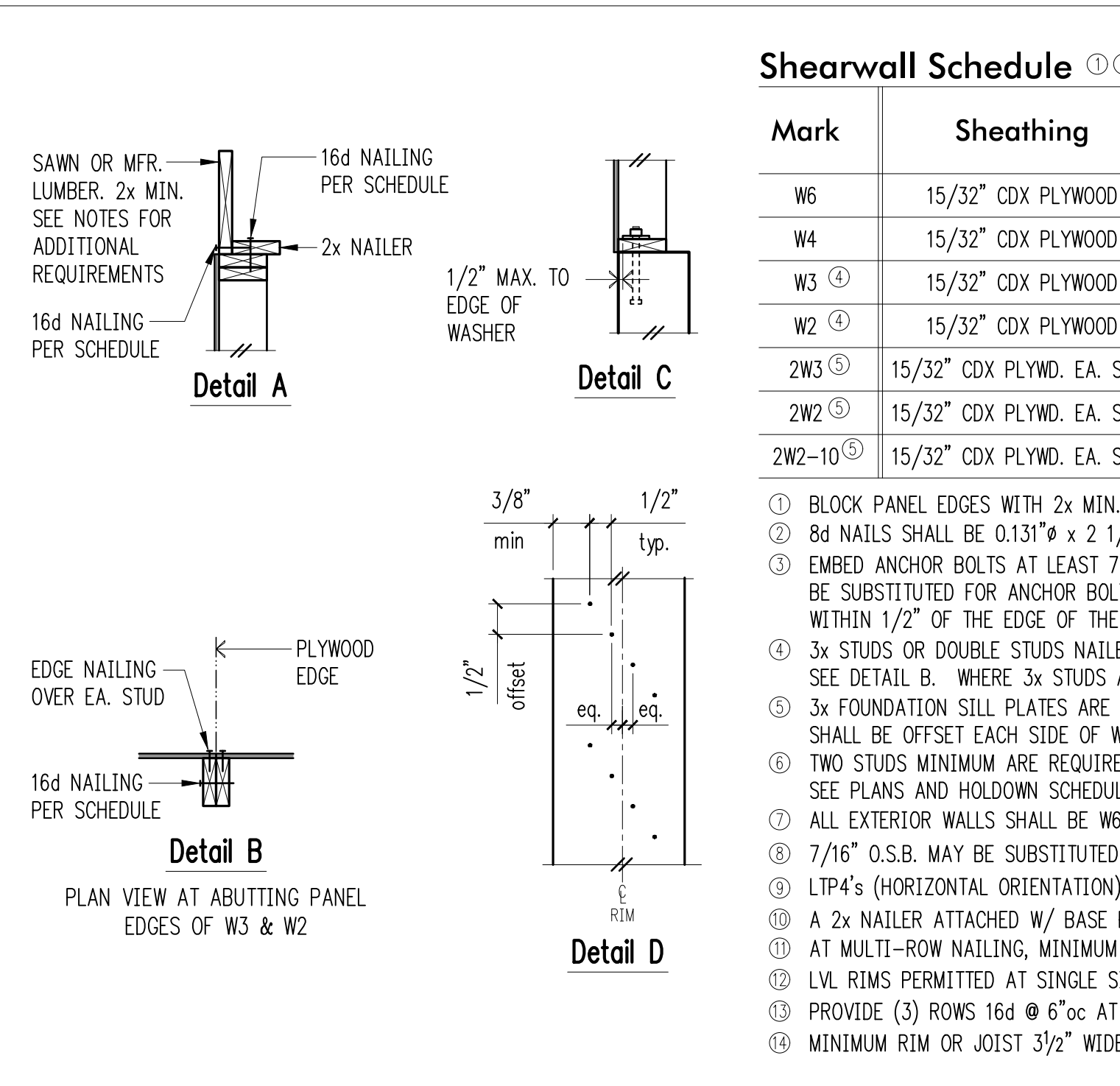
**Typical Holdown Schedule**

**8**



**Typical Shearwall Construction (w/ Trusses)**

**10**



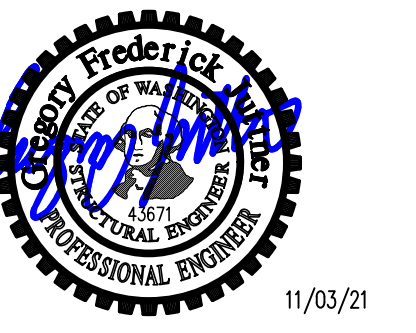
**Shearwall Schedule**

Mark	Sheathing	Panel Edge Nailing	Top Plate Connection		Base Plate Connection	
			if TJI	if Wood	at Wood	at Concrete
W6	15/32" CDX PLYWOOD	8d @ 6"oc	16d @ 6"oc	A35 @ 24"oc	16d @ 6"oc	5/8" A.B. @ 48"oc
W4	15/32" CDX PLYWOOD	8d @ 4"oc	16d @ 4"oc	A35 @ 16"oc	(2)rows 16d @ 6"oc	5/8" A.B. @ 32"oc
W3	15/32" CDX PLYWOOD	8d @ 3"oc	(2)rows 16d @ 4"oc	A35 @ 12"oc	(2)rows 16d @ 6"oc	5/8" A.B. @ 24"oc
W2	15/32" CDX PLYWOOD	8d @ 2"oc	(2)rows 16d @ 4"oc	A35 @ 9"oc	(2)rows 16d @ 4"oc	5/8" A.B. @ 16"oc
2W3	15/32" CDX PLYWD. EA. SIDE	8d @ 3"oc EA. SIDE	n/a	A35 @ 6"oc	(3)rows 16d @ 4"oc	5/8" A.B. @ 16"oc
2W2	15/32" CDX PLYWD. EA. SIDE	8d @ 2"oc EA. SIDE	n/a	HGA10KT @ 8"oc	(3)rows 16d @ 4"oc	5/8" A.B. @ 12"oc
2W2-10	15/32" CDX PLYWD. EA. SIDE	10d @ 2"oc EA. SIDE	n/a	HGA10KT @ 6"oc	(4)rows 16d @ 4"oc	5/8" A.B. @ 12"oc

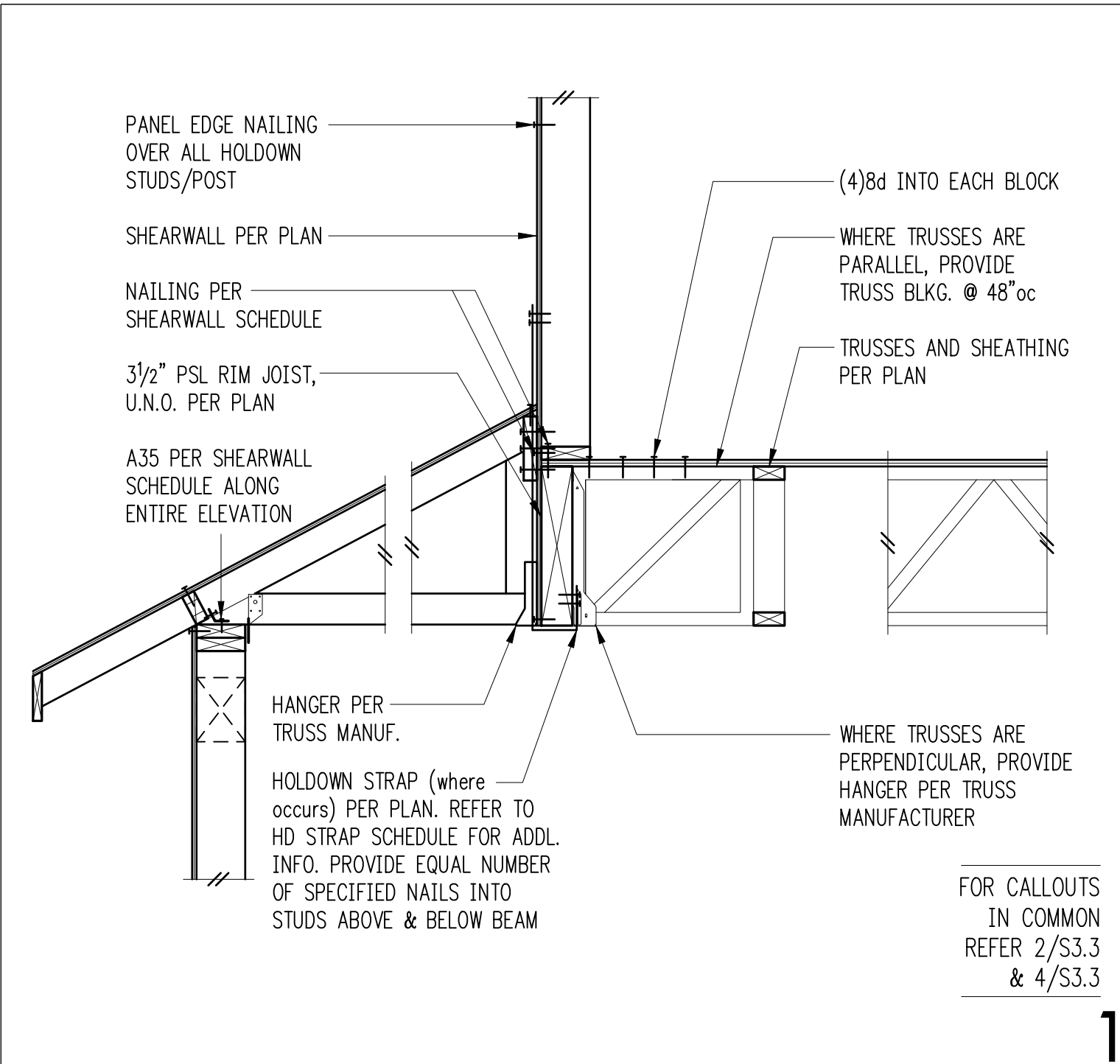
- BLOCK PANEL EDGES WITH 2x MIN. LAID FLAT AND NAIL PANELS TO INTERMEDIATE SUPPORTS WITH 8d @ 12"oc.
- 8d NAILS SHALL BE 0.131" x 2 1/2" (common) - 16d NAILS SHALL BE 0.135" x 3 1/2" (box) - 10d NAILS SHALL BE 0.148" x 3" (common).
- EMBED ANCHOR BOLTS AT LEAST 7". EXPANSION BOLTS MAY BE SUBSTITUTED FOR ANCHOR BOLTS WITH 4" EMBEDMENT. TITEN HD SCREW ANCHORS MAY BE SUBSTITUTED FOR ANCHOR BOLTS W/ 4" EMBEDMENT. ALL BOLTS SHALL HAVE 3" x 3" x 1/4" MIN. PLATE WASHERS. PLATE WASHERS SHALL EXTEND TO WITHIN 1/2" OF THE EDGE OF THE BOTTOM PLATE ON THE SIDE WITH SHEATHING. SEE DETAIL C.
- 3x STUDS OR DOUBLE STUDS NAILED TOGETHER W/ BASE PLATE NAILING ARE REQUIRED AT ABUTTING PANEL EDGES OF W3 AND W2. SEE DETAIL B. WHERE 3x STUDS ARE USED FOR W2, STAGGER NAILS AT ADJOINING PANEL EDGES.
- 3x FOUNDATION SILL PLATES ARE REQUIRED FOR W3 AND W2. 3x STUDS ARE REQUIRED AT ABUTTING PANEL EDGES AND PANEL JOINTS SHALL BE OFFSET EACH SIDE OF WALL. STAGGER NAILS AT ADJOINING PANEL EDGES. 3x STUD, MIN., REQUIRED AT END OF SHEARWALL.
- TWO STUDS MINIMUM ARE REQUIRED AT EACH END OF ALL SINGLE-SIDED SHEARWALLS. ALL END STUDS SHALL RECEIVE PANEL EDGE NAILING. SEE PLANS AND HOLDOWN SCHEDULE FOR ALTERNATE REQUIREMENTS.
- ALL EXTERIOR WALLS SHALL BE W6, UNLESS NOTED OTHERWISE.
- 7/16" O.S.B. MAY BE SUBSTITUTED FOR 15/32" CDX, EXCEPT AT 10d PANEL EDGE NAILING.
- LTP4's (HORIZONTAL ORIENTATION) W/ 8d COMMON MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.
- A 2x NAILER ATTACHED W/ BASE PLATE NAILING PER DETAIL A MAY BE SUBSTITUTED FOR A35's AT CONTRACTORS OPTION.
- AT MULTI-ROW NAILING, MINIMUM OFFSET BETWEEN ROWS AND ROW SPACING 1/2", SEE DETAIL D.
- LVL RIMS PERMITTED AT SINGLE SIDED SHEAR WALLS ONLY.
- PROVIDE (3) ROWS 16d @ 6"oc AT LVL RIMS.
- MINIMUM RIM OR JOIST 3/2" WIDE BELOW SHEARWALL.

**Shearwall Schedule**

**12**

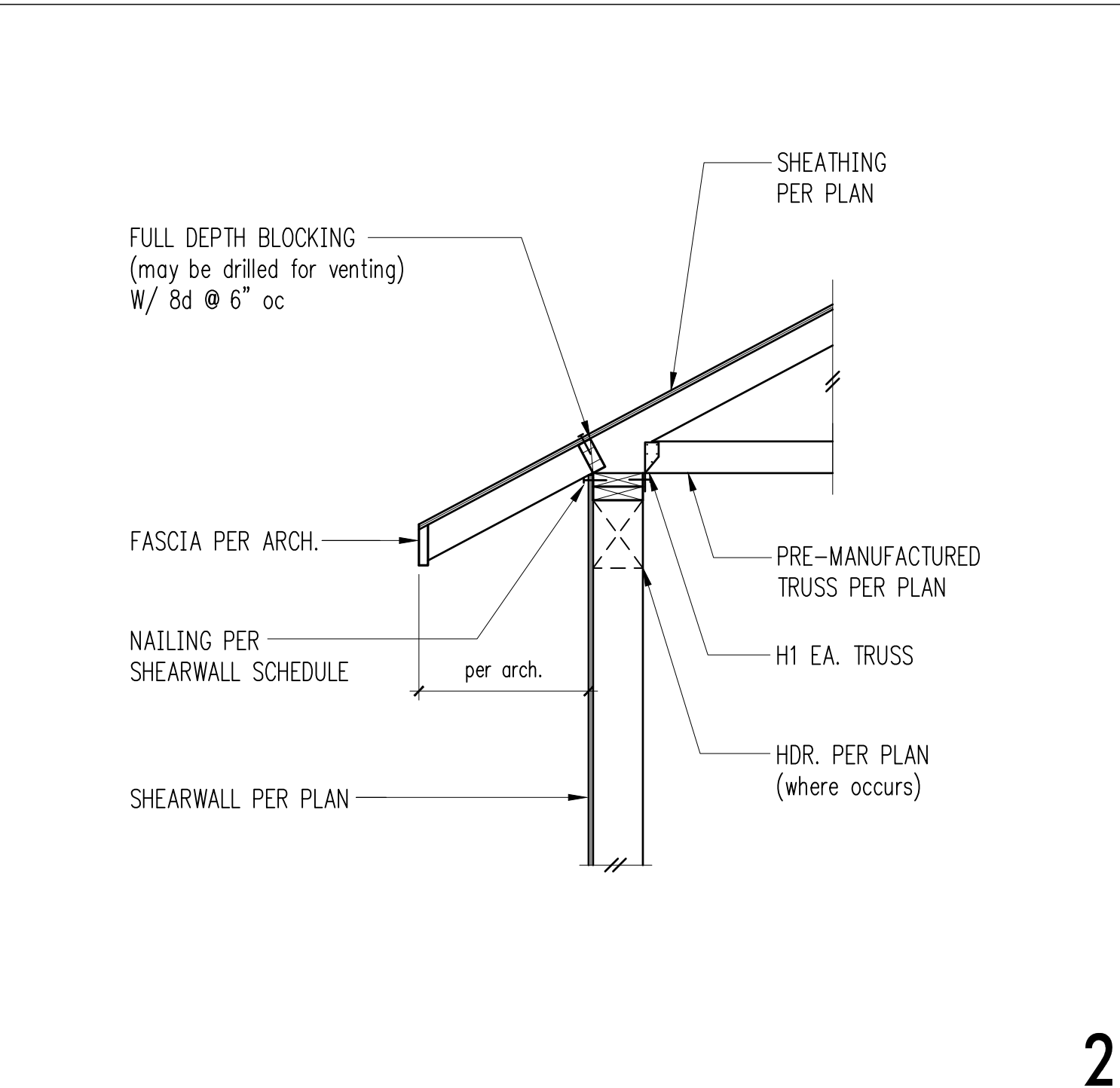


11/03/21  
 DRAWN: JDT  
 DESIGN: JDT  
 CHECKED: JDT  
 APPROVED: GFJ

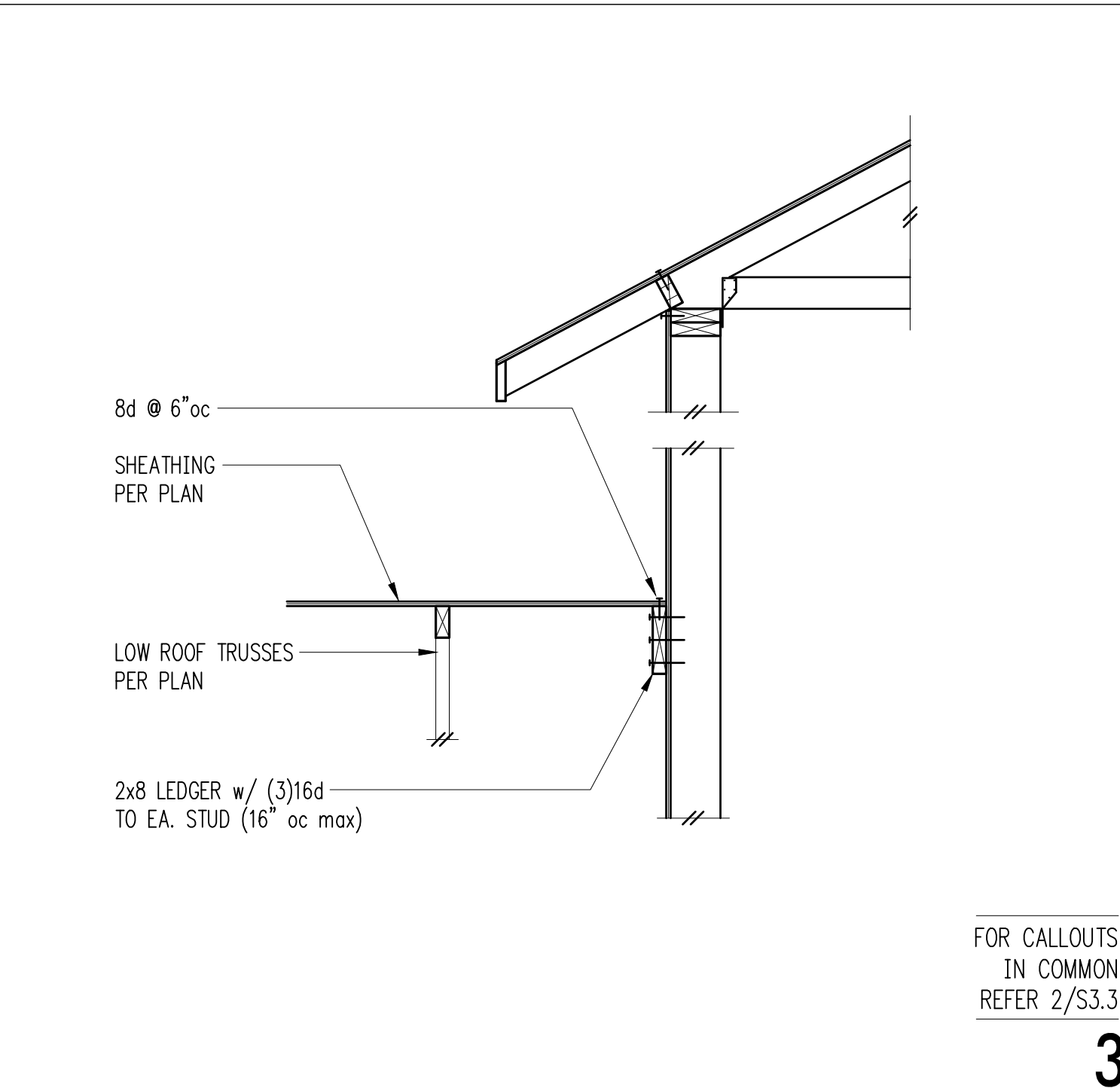


FOR CALLOUTS IN COMMON REFER 2/S3.3 & 4/S3.3

1

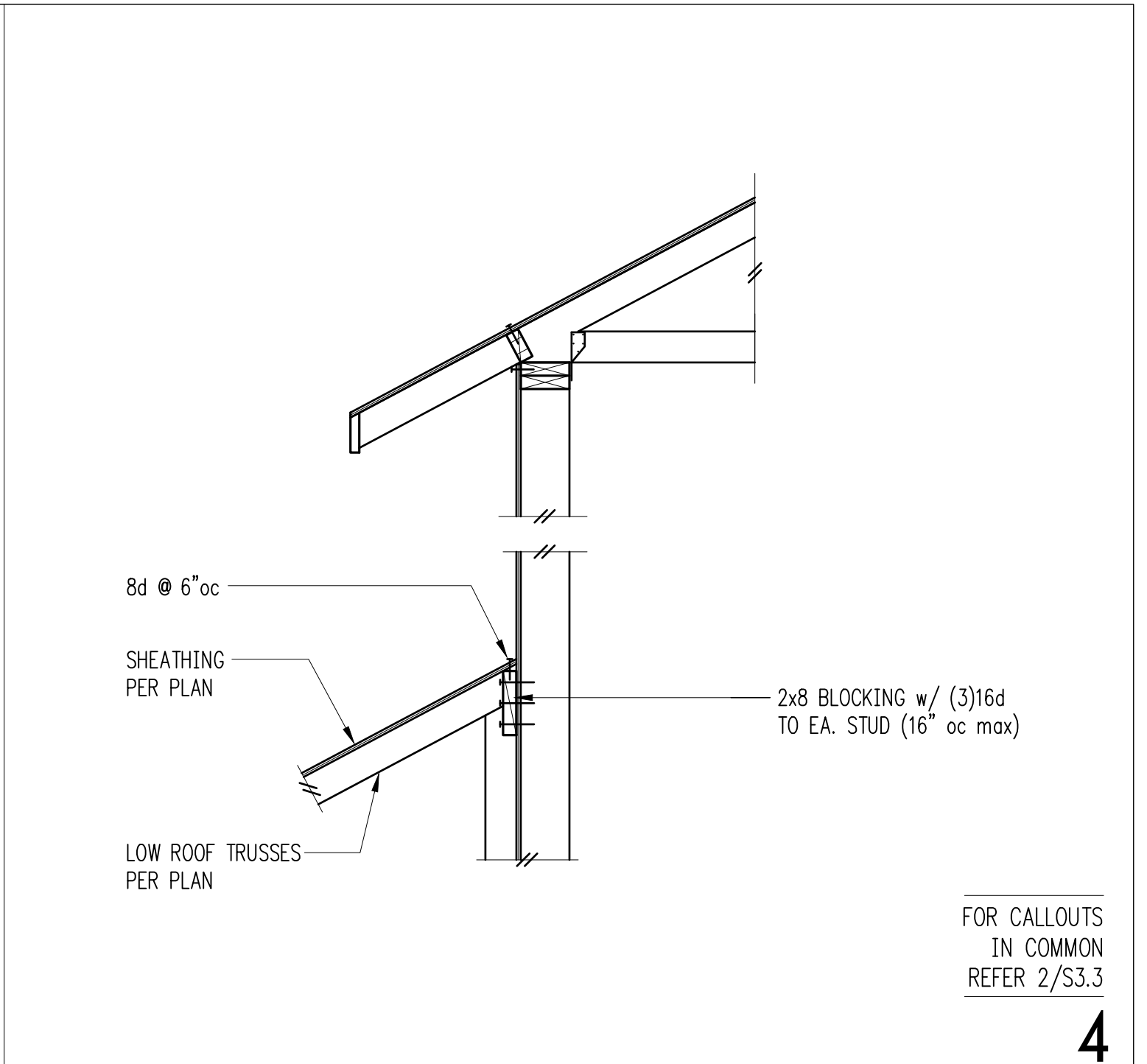


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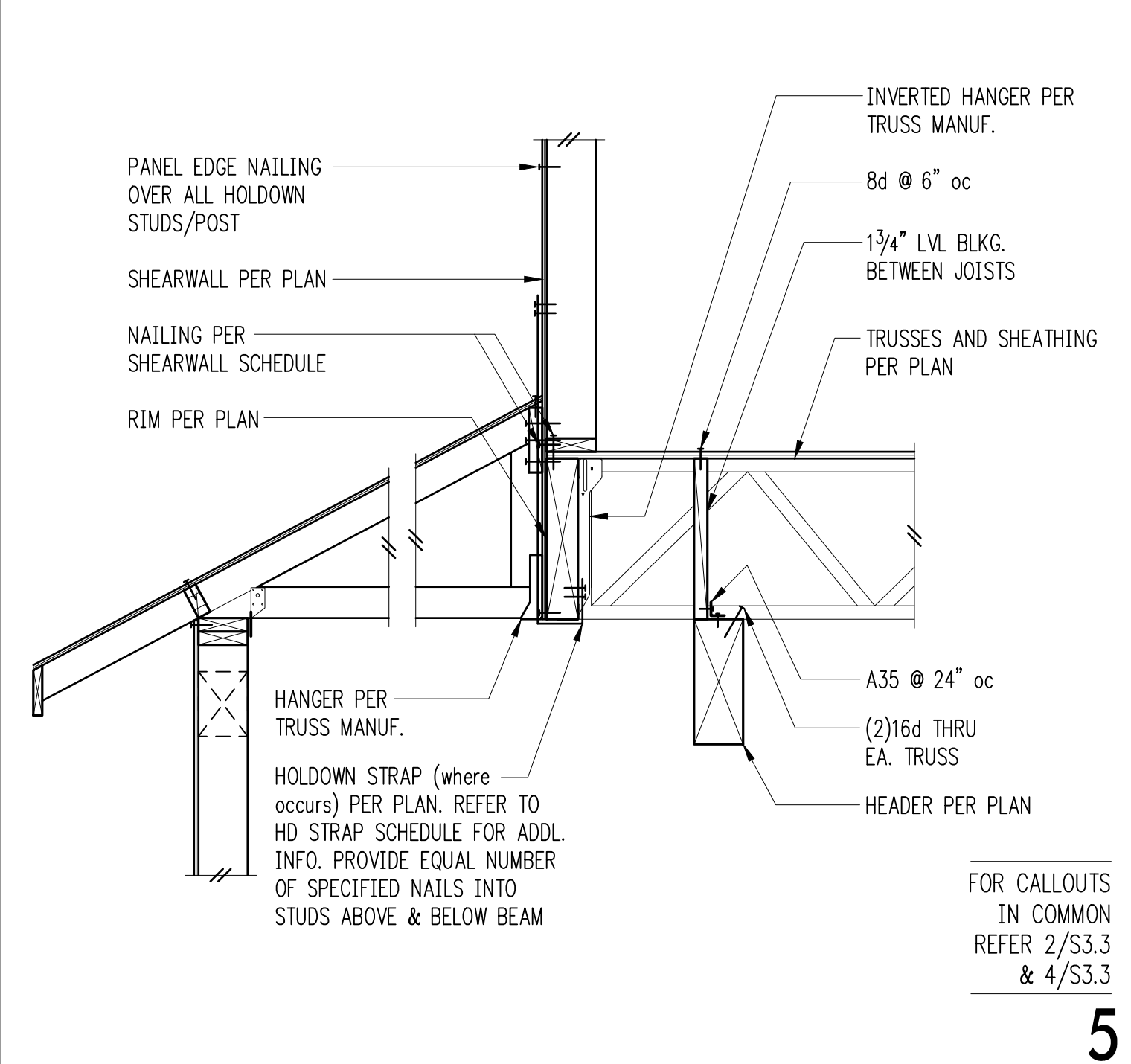
FOR CALLOUTS IN COMMON REFER 2/S3.3

3



FOR CALLOUTS IN COMMON REFER 2/S3.3

4

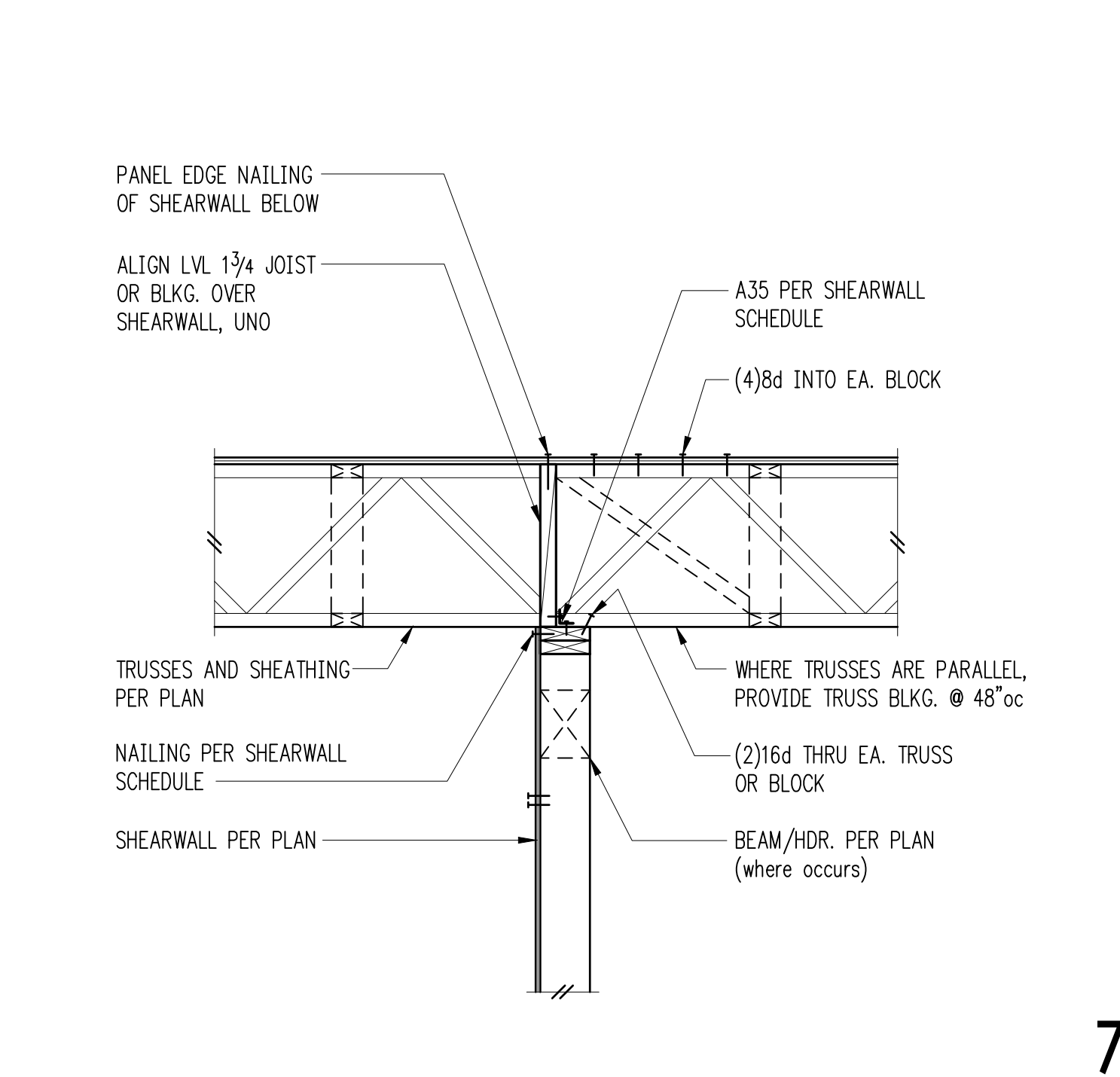


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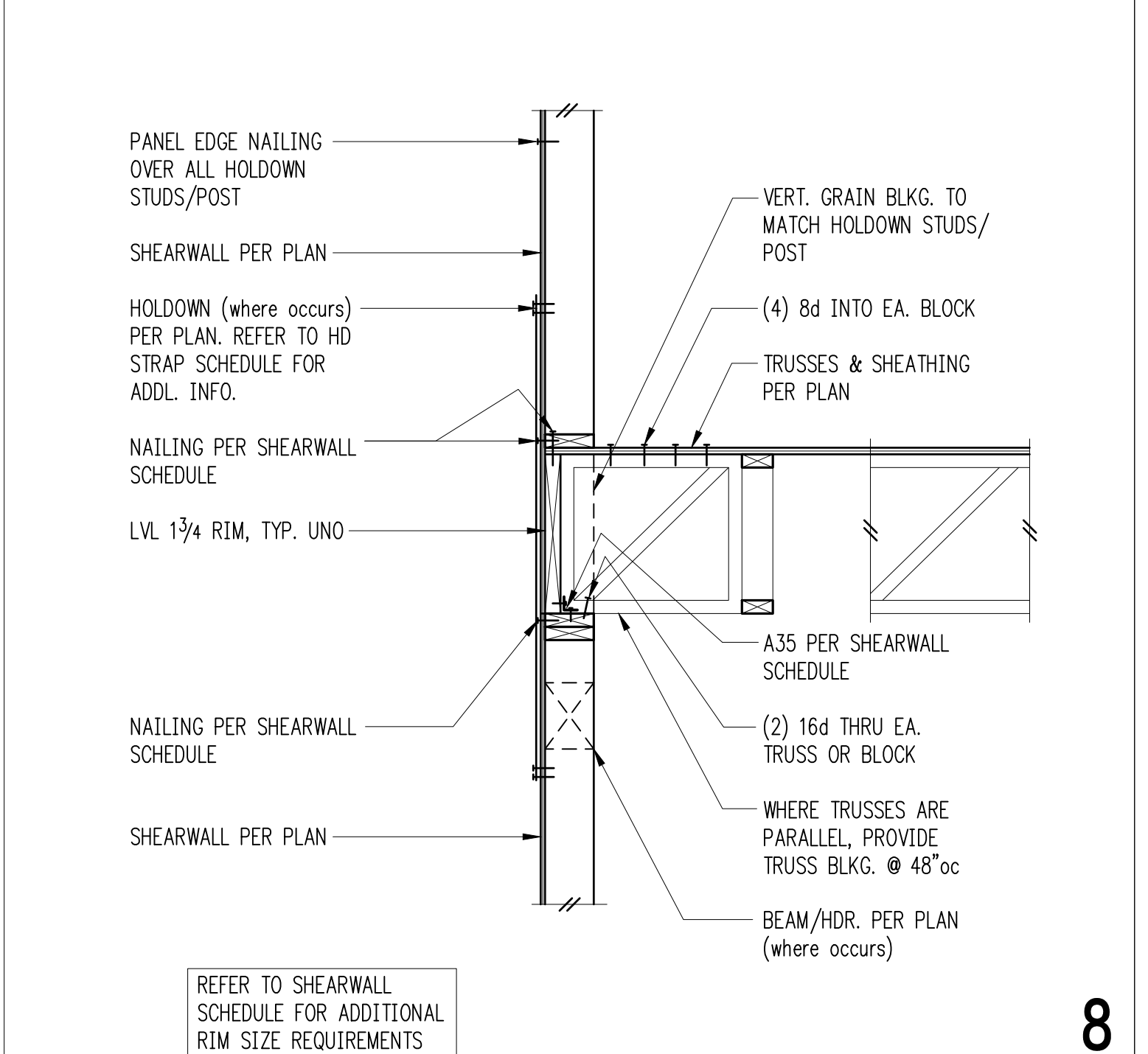
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6

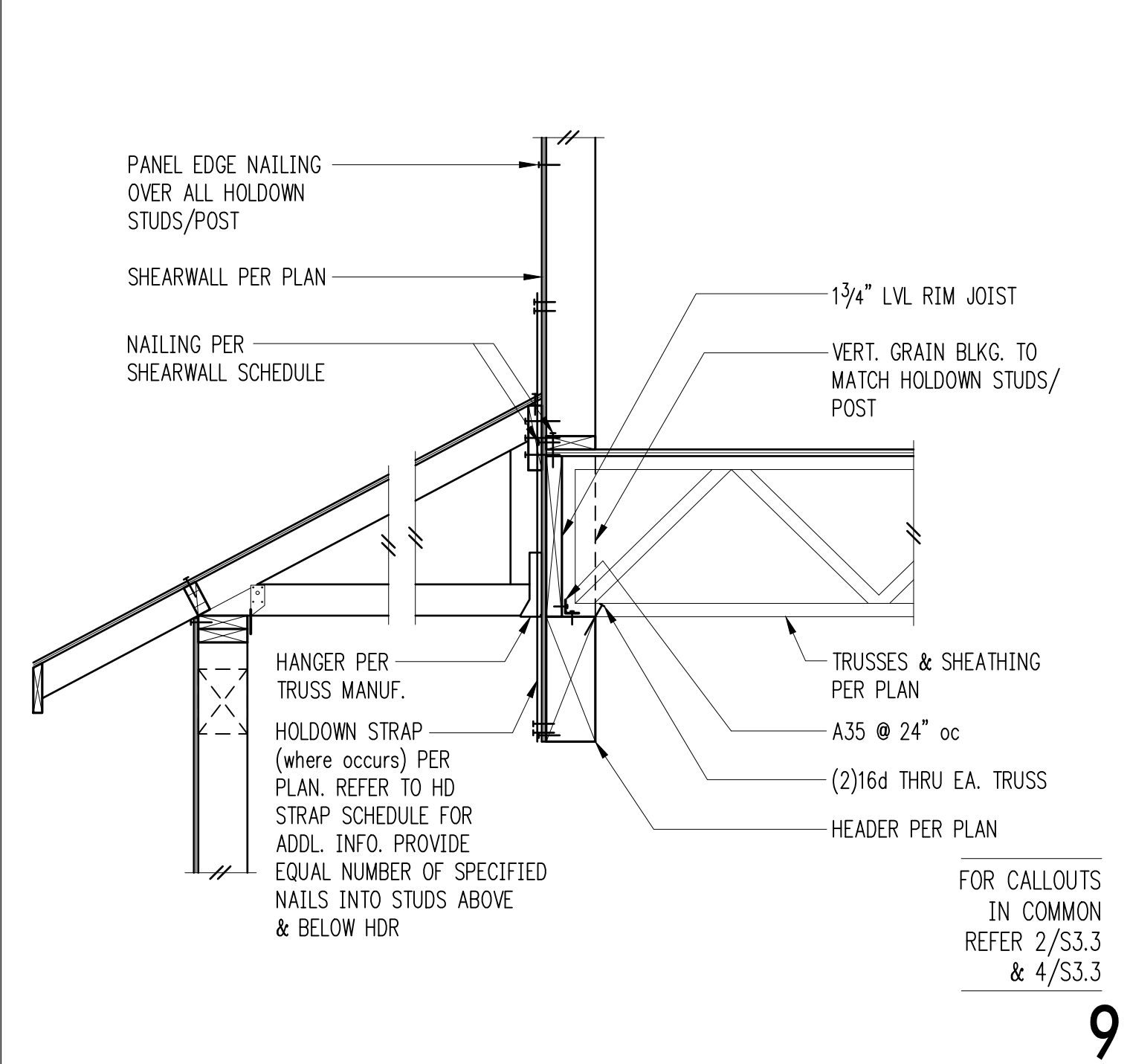


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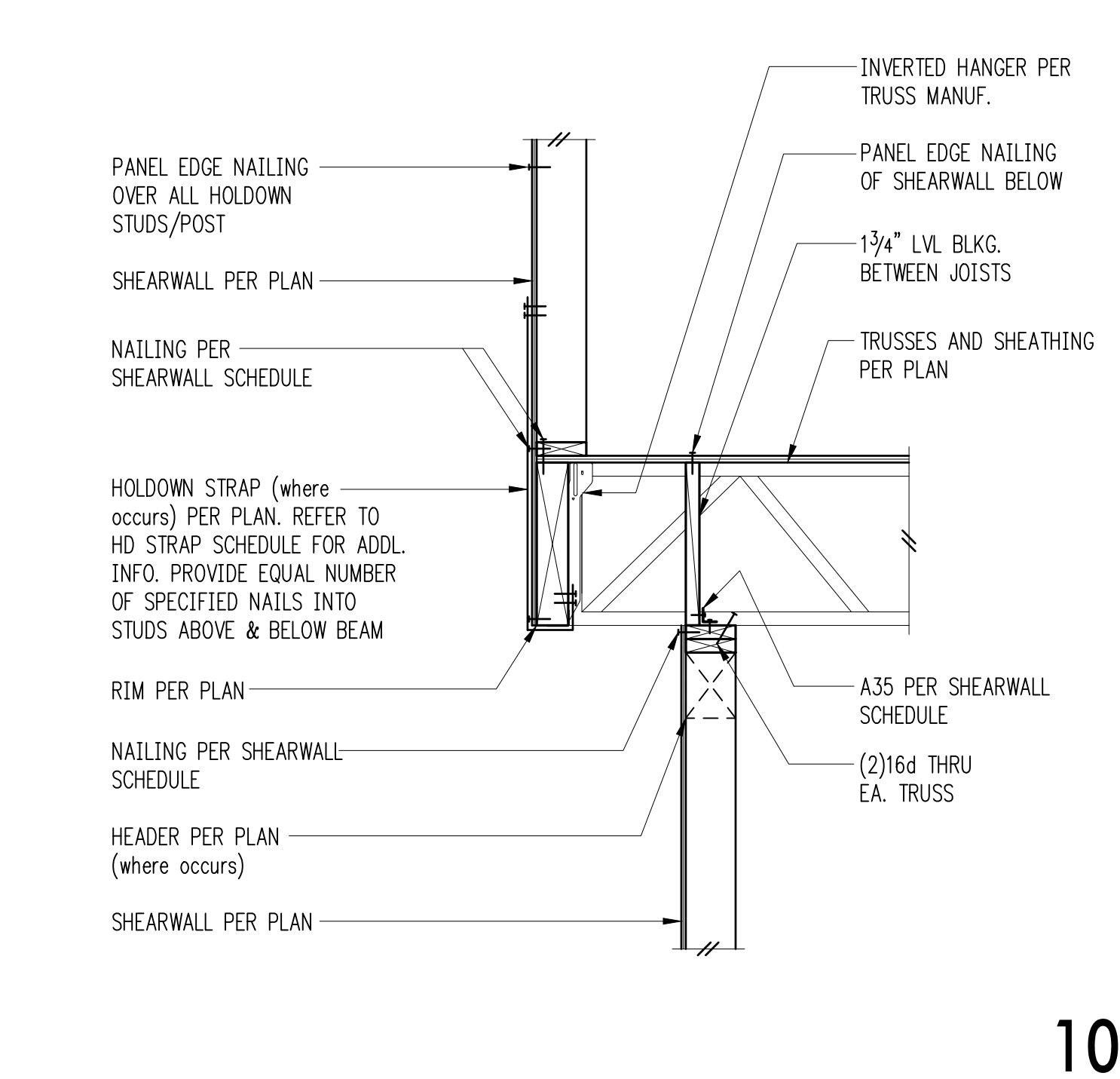
REFER TO SHEARWALL SCHEDULE FOR ADDITIONAL RIM SIZE REQUIREMENTS

8

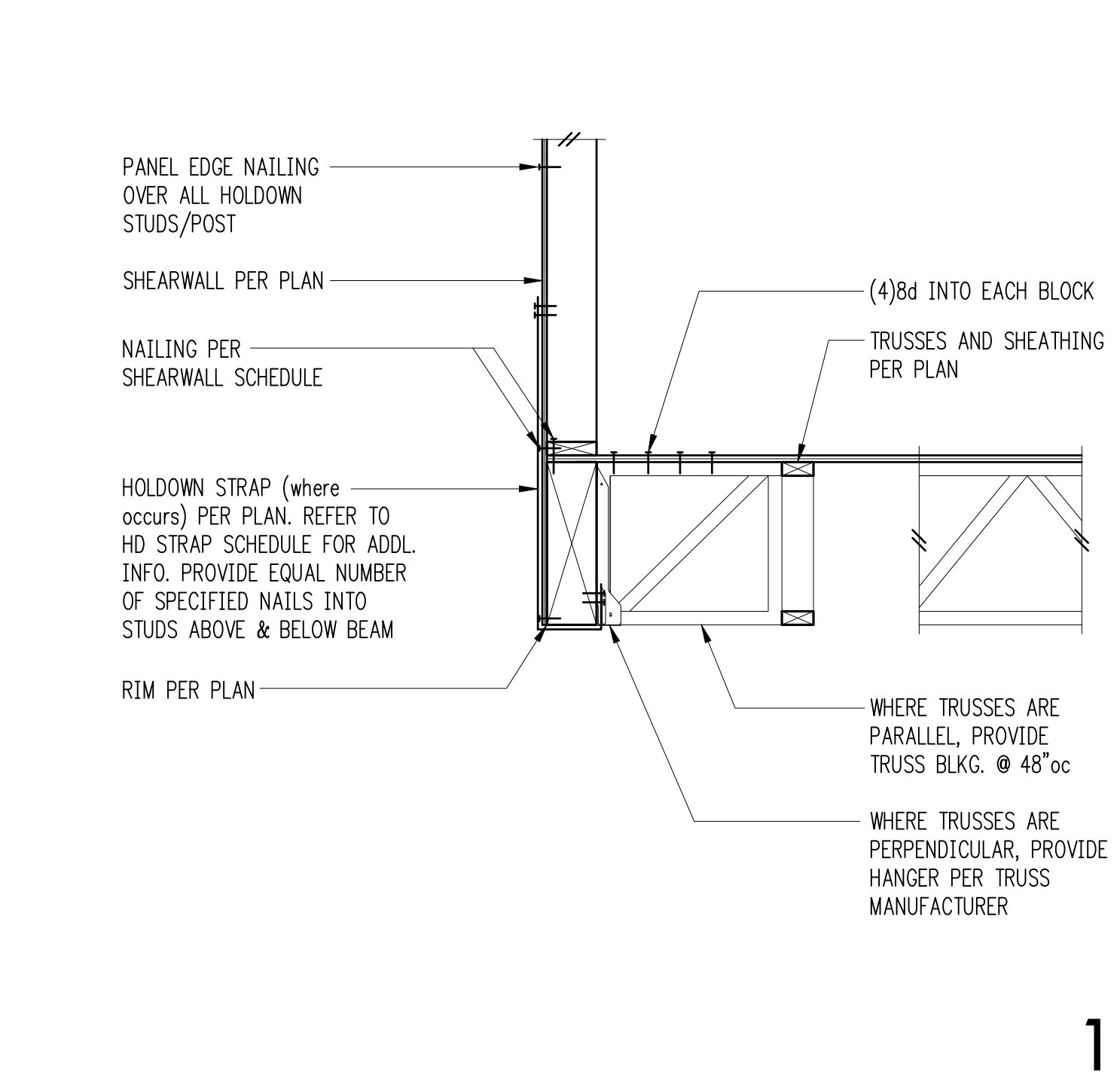


FOR CALLOUTS IN COMMON REFER 2/S3.3 & 4/S3.3

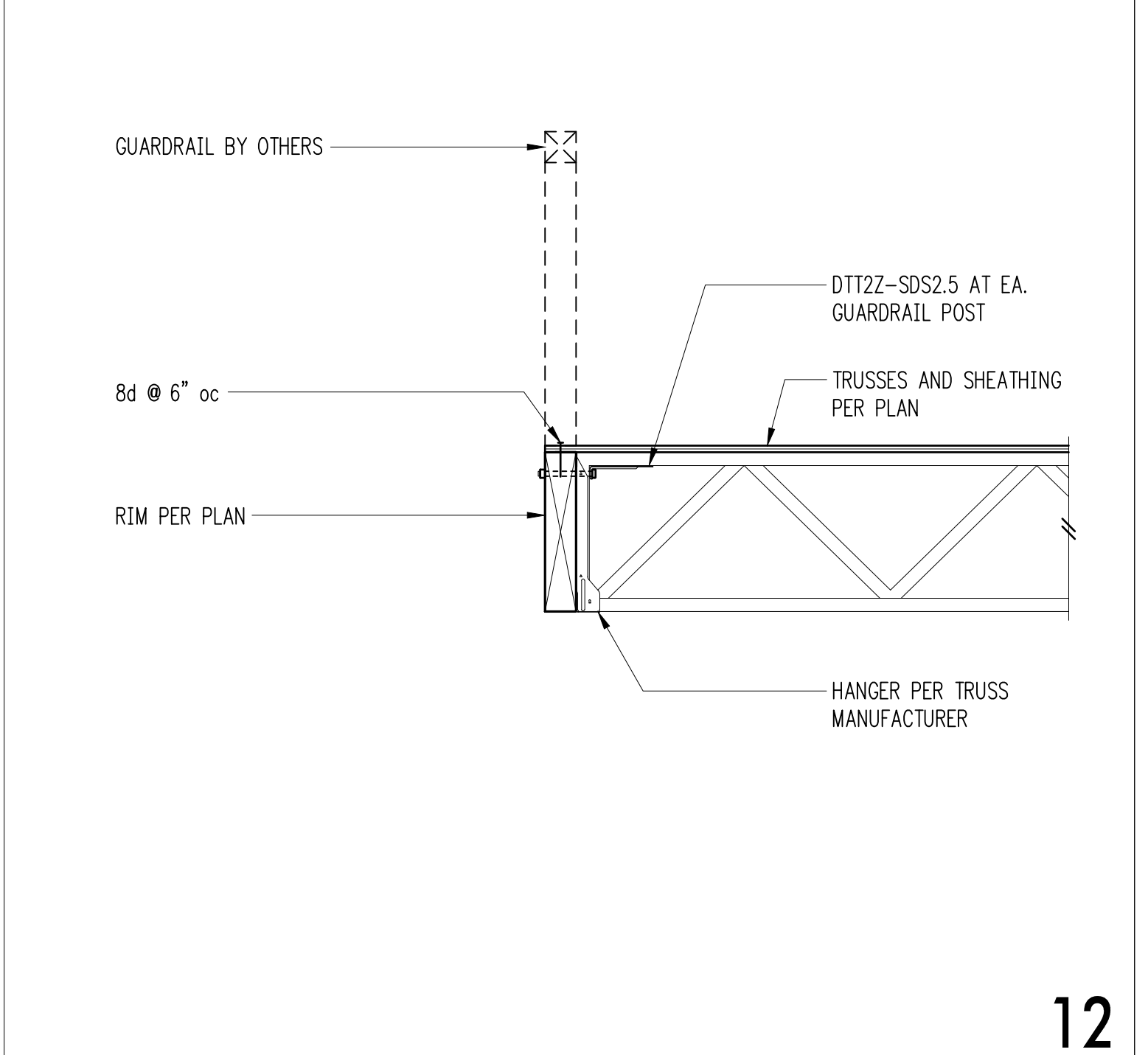
9



10



11



12

REVISIONS:

PROJECT TITLE:  
 Shelburne II 9119

ARCHITECT:  
 William E. Buchan Homes  
 2630 116th Ave NE Suite 100  
 Bellevue, WA 98004

ISSUE:  
**PERMIT SET**

SHEET TITLE:  
**Wood Framing Details**

SCALE: 3/4" = 1'-0"  
 DATE: November 3, 2021  
 PROJECT NO: 01011-2021-11  
 SHEET NO:

**S3.3**

NO. OF SHEETS:

Jamie Buchan

Site address: 9017 Se 60th St, Mercer Island, WA  
Revised May 5, 2022

Thomas Quigley  
ISA certified arborist PNO655A, TRAQ

Tree #	Species	DBH"	Dripline Radius'				Cndtn	Comments	Rmv	Rtn
			N	S	E	W				
1	Psuedotsuga menziesii, Douglas fir	21.6	17	10	17		Good	Shared canopy with Tree OS3.		X
2	Cornus Florida, Flowering Dogwood	10.3	8	8	8	8	Fair	Dogwood leaf fungal issues, typical of species. Off-site (OS) but with overhanging limb(s). Shared canopy with Tree OS2.		X
OS1	Pinus, Pine sp	12.0 est.	6	6		8	Fair	Off-site (OS) but with overhanging limb(s). Shared canopy with Tree OS2.	Off-site	
OS2	Pinus, Pine sp	10.0 est.	6	8		6	Fair	Off-site (OS) but with overhanging limb(s). Shared canopy with Tree OS1.	Off-site	
OS3	Psuedotsuga menziesii, Douglas fir	24.0 est	8	8	18		Good	Off-site (OS) but with overhanging limb(s). 18' overhanging east of property line. Shared canopy.	Off-site	
OS4	Psuedotsuga menziesii, Douglas fir	13.0	8	8	5		Good	Off-site (OS) but with overhanging limb(s). In canopy of OS3 and OS4.	Off-site	
OS5	Psuedotsuga menziesii, Douglas fir	30.0	10	25	20		Good	Off-site (OS) but with overhanging limb(s). 18' limb extension east of property line.	Off-site	
OS6	Prunus, Flowering cherry	18.0 est				12	Good	Overhang of limbs is 12' west, but could easily be pruned back to 5'	Off-site	
ROW	Acer palmatum, Japanese laceleaf maple	8.0	6	6	5	5	Good	Located in the Right-of-Way (ROW)	ROW	
ROW	Madrone	5.0	12	0	6	4	Poor	Leans 30 degrees north toward street. Under canopy of Tree #1	ROW	

### TREE PROTECTION AREA (TPZ)

#### KEEP OUT!

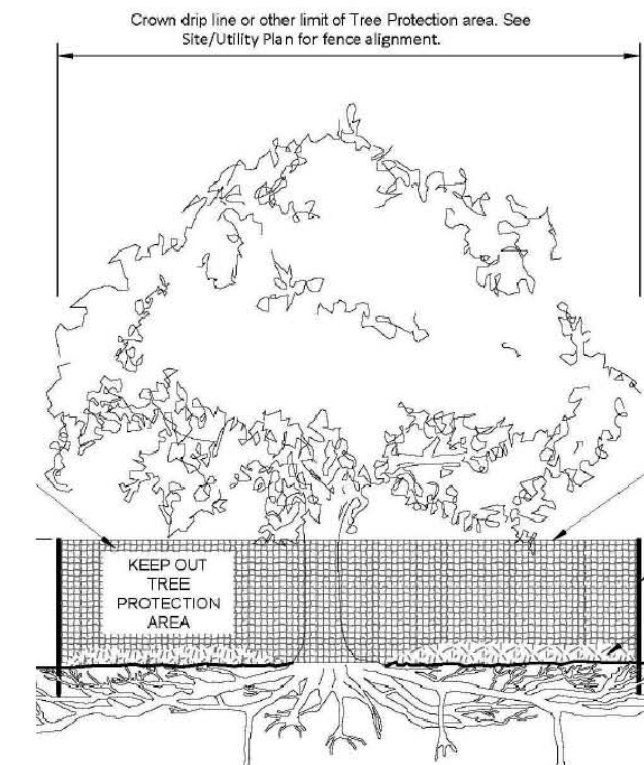
#### DO NOT REMOVE OR ADJUST THE APPROVED LOCATION OF THIS TREE PROTECTION AREA

Trees enclosed by this fence are protected and are subject to the conditions of the tree permit. Violation of tree conditions may lead to:

1. Correction Notices or Stop Work Orders until compliance is achieved
2. RE Inspection Fees
3. Arborist reports recommending mitigation

#### Notes

1. No pruning shall be performed unless under the direction of an arborist
2. No equipment shall be stored or operated inside the protective fencing including during fence installation and removal
3. No storage of materials shall occur inside the protective fencing
4. Refer to Site/Utility Plan for allowable modifications to the tree protection area.
5. Unauthorized activities in tree protection area may require evaluation by private arborist to identify impacts and mitigation required
6. Exposed roots: For roots > 1" damaged during construction, make a clean straight cut to remove damaged portion and inform City Arborist



Any Work in the protected area must be with the permission of the City Arborist [john.kennedy@mercergov.org](mailto:john.kennedy@mercergov.org)

- All of the protection fencing should be installed prior to any demolition work or other site work. Signage that explains the tree protection zone shall be installed as detailed on Plan Sheet 'S'.
- The installation of tree protection for Off-Site Tree #5 will be more involved in-so-much as the existing structure currently intrudes into the proposed tree protection zone. The tree protection for this tree should be initially installed as close to the existing structure as possible, while still leaving room for the demolition process.
- The removal of the existing concrete foundation in this area is likely to reveal roots from Tree #OS-5 right up against the foundation wall; every effort should be made not to damage these roots.
- Once the concrete is removed, the tree protection fence should be moved to provide for protection of any revealed roots.
- The removal of the concrete in this area, as well as the re-location of the tree protection fencing in this area should be completed under the supervision or monitoring of a tree professional.
- Any roots that are exposed and in need of removal should be severed using proper pruning tools and by the use of techniques as detailed in *ANSI Standard A300 (Part 8)-2013 Root Management*.
- If any limbs of any of the trees need to be pruned or removed in order to provide construction clearance, said pruning should be undertaken by a tree professional. Pruning standards are detailed in *ANSI Standard A300 (Part i)-2017 Pruning*.

#### LOT SLOPE CALCULATION:

HIGHEST ELEVATION POINT OF LOT = 368.0  
 LOWEST ELEVATION POINT ON LOT = 365.25  
 ELEVATION DIFFERENCE = 2.75  
 HORIZ. DISTANCE BETWEEN HIGH AND LOW POINTS = 92.15  
 LOT SLOPE = 2.98

#### LOT COVERAGE BY CALCULATIONS:

A. GROSS LOT AREA = 11,251 SF  
 B. NET LOT AREA = 11,251 SF  
 C. ALLOWED LOT COVERAGE AREA = 4500 SF  
 D. ALLOWED LOT COVERAGE = 40% OF LOT  
 I. TOTAL NEW LOT COVERAGE AREA  
 1. MAIN ROOF AREA = 2882 SF  
 2. ACCESSORY STRUCTURE ROOF AREA = 0 SF  
 3. VEHICULAR USE = 617 SF  
 4. COVERED PATIOS = 294 SF  
 5. TOTAL NEW LOT COVERAGE AREA 3733 SF  
 J. TOTAL PROJECT NEW LOT COVERAGE AREA 3733 SF  
 K. TOTAL PROJECT LOT COVERAGE AREA = 33% OF LOT

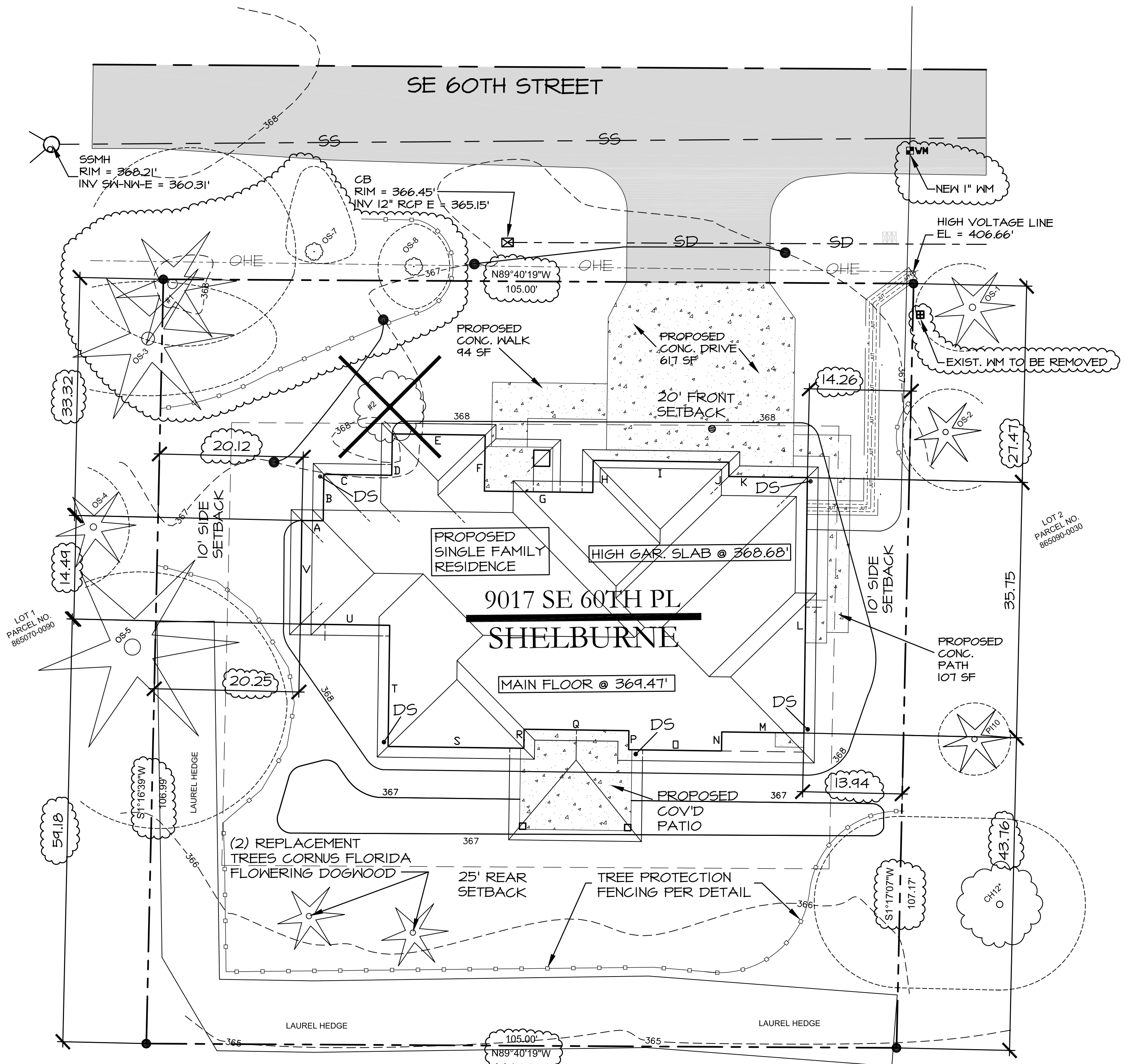
#### HARDSCAPE CALCULATIONS:

A. GROSS LOT AREA 11,251 SF  
 B. NET LOT AREA 11,251 SF  
 C. AREA BORROWED FROM LOT COVERAGE = 767 SF  
 D. ALLOWED HARDSCAPE AREA = 9% OF LOT AREA + C = 15.82% OF LOT  
 E. ALLOWED HARDSCAPE AREA = 1780  
 F. TOTAL EXISTING HARDSCAPE AREA:  
 7. TOTAL EXISTING HARDSCAPE AREA = 0 SF  
 H. TOTAL NEW HARDSCAPE AREA:  
 3. WALKWAYS = 201  
 7. TOTAL NEW HARDSCAPE AREA = 201  
 I. TOTAL PROJECT HARDSCAPE AREA = 201  
 J. TOTAL PROJECT HARDSCAPE AREA = 1.7%

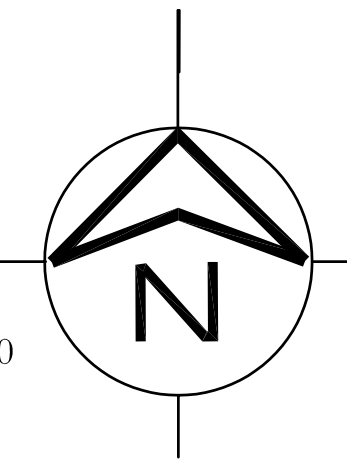
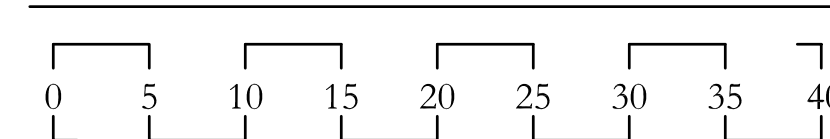
#### AVERAGE BUILDING ELEVATION:

A = 366.65 x 25.29 = 9272.58  
 B = 366.68 x 2.17 = 795.69  
 C = 366.72 x 9.50 = 3483.84  
 D = 366.76 x 5.79 = 2123.54  
 E = 366.85 x 13.00 = 4769.05  
 F = 366.45 x 7.83 = 2869.30  
 G = 366.00 x 15.17 = 5552.22  
 H = 366.20 x 4.50 = 1647.90  
 I = 366.50 x 19.00 = 6963.50  
 J = 366.37 x 2.00 = 732.74  
 K = 366.25 x 11.00 = 4028.75  
 L = 366.55 x 35.75 = 13,104.16  
 M = 366.32 x 11.50 = 4212.68  
 N = 366.31 x 2.67 = 978.05  
 O = 366.30 x 13.00 = 4761.90  
 P = 366.31 x 2.67 = 978.05  
 Q = 366.32 x 14.67 = 5373.91  
 R = 366.31 x 2.67 = 978.05  
 S = 366.30 x 19.00 = 6959.70  
 T = 366.39 x 16.96 = 6213.97  
 U = 366.48 x 12.50 = 4581.00  
 V = 366.57 x 14.50 = 5315.26

AVG. BUILDING ELEVATION (ABE) = 95695.84/261.14 = 366.45  
 ALLOWABLE BUILDING HEIGHT = 396.45  
 TOTAL BUILDING HEIGHT = 29.45  
 PROPOSED RIDGE HEIGHT = 395.9  
 MAIN FLOOR ELEVATION = 369.47  
 HIGH GAR. SLAB ELEVATION = 368.68



SCALE: 1" = 20'



THE MARK IS A MONUMENT IN CASE AT THE EAST END OF SE 60TH STREET, ± 150 FEET EAST OF THE INTERSECTION OF 42ND AVENUE SE.  
 POINT ID NO. MI-1063,  
 ELEVATION: 334.534 FEET NAVD 88

#### LEGAL DESCRIPTION

Lot 2, Block 1 Timberland No. 4, according to the plat thereof recorded in Volume 41 of Plats, Page 38, of King County, Washington.  
 Situate in the City of Mercer Island, County of King, State of Washington.

#### PROJECT INFORMATION

TAX PARCEL NUMBER: 865090-0025  
 PROJECT ADDRESS: 9017 SE 60TH STREET  
 MERCER ISLAND, WA. 98040  
 ZONING: R-4.6  
 LOT SIZE: 11,251 S.F.

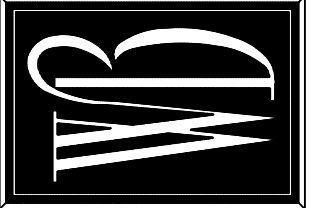
OWNER: WILLIAM E. BUCHAN INC.  
 2639 116TH AVE NE #100  
 425-828-6424  
 CONTACT: DAVE STAVE  
 Daves@Buchanhomes.com  
 425-831-5503

SHELburne II

REVISION	DATE
1	5/4/22

SHEET  
**S**

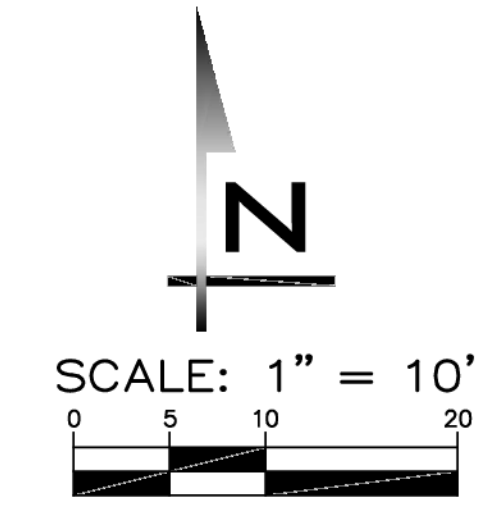
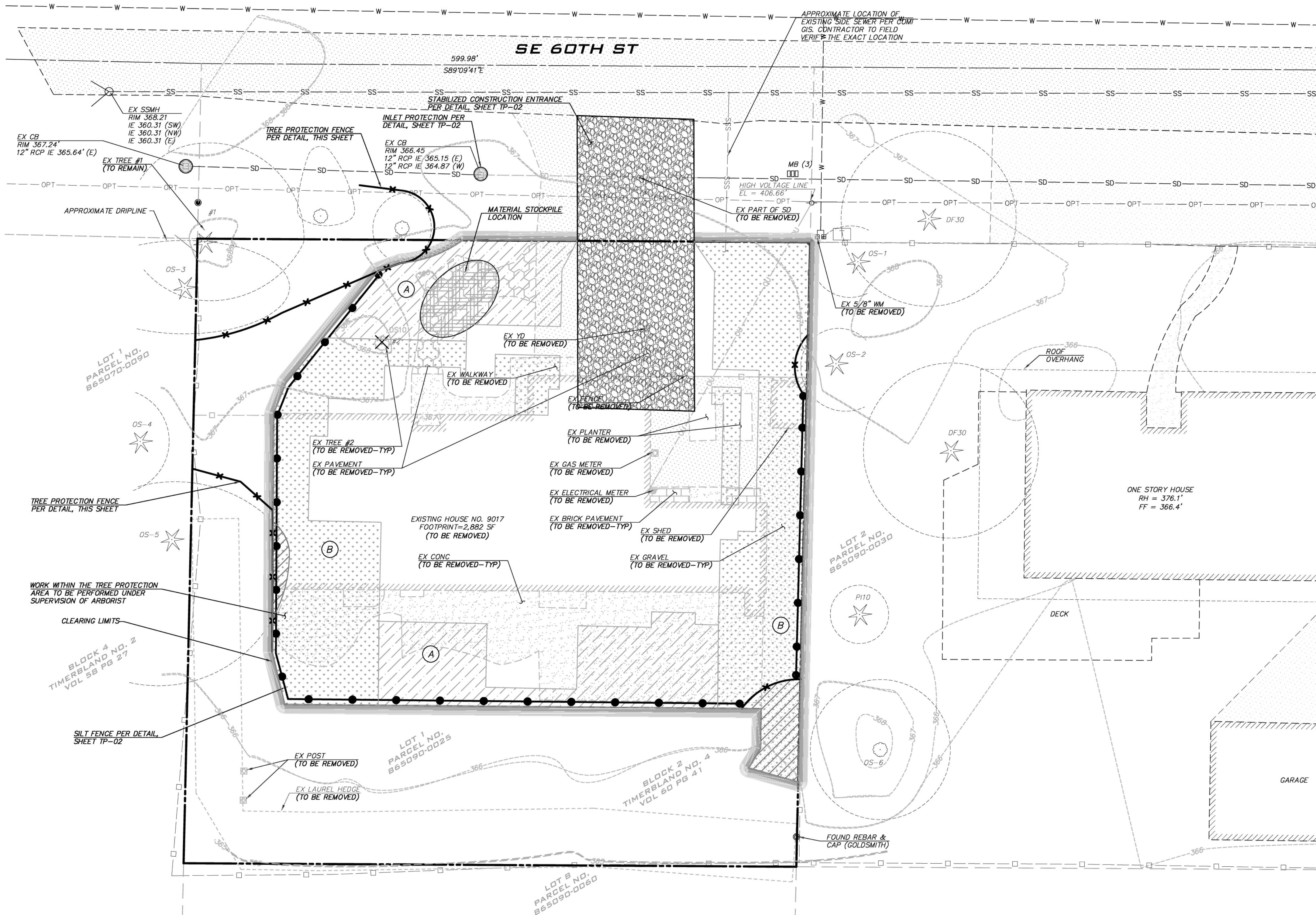
WILLIAM E BUCHAN INC.  
 2630 - 116th Ave. NE. · Bellevue, Washington 98004 · (425) 828-6424  
 © 2021 WILLIAM E BUCHAN INC.



CONTRACT  
 SITE PLAN  
 9017 SE 60th St

JOB NO.  
 9119  
 DATE  
 5/4/22  
 DRAWN BY  
 DS  
 ENGINEER  
 SSF





**BLUELINE**  
 25 CENTRAL WAY, SUITE 400,  
 KIRKLAND, WA 98033  
 P: 425.218.4051 F: 425.218.4052  
 WWW.THEBLUELINEGROUP.COM

SCALE: AS NOTED  
 PROJECT MANAGER:  
 TODD A OBERG, PE  
 PROJECT ENGINEER:  
 YANNICK METS, PE  
 DESIGNER:  
 NADIA KROUMOVA  
 ISSUE DATE:  
 6/1/2022

NO	DATE	BY	REVISIONS

**TESG, DRAINAGE & TREE RETENTION PLAN**  
**9017 SE 60TH ST**  
**SITE PLAN**  
 CITY OF MERCER ISLAND WASHINGTON

**NOTE**  
 CATCH BASIN INLET PROTECTION TO BE INSTALLED UP TO 250' DOWNSTREAM OF THE PROJECT SITE.

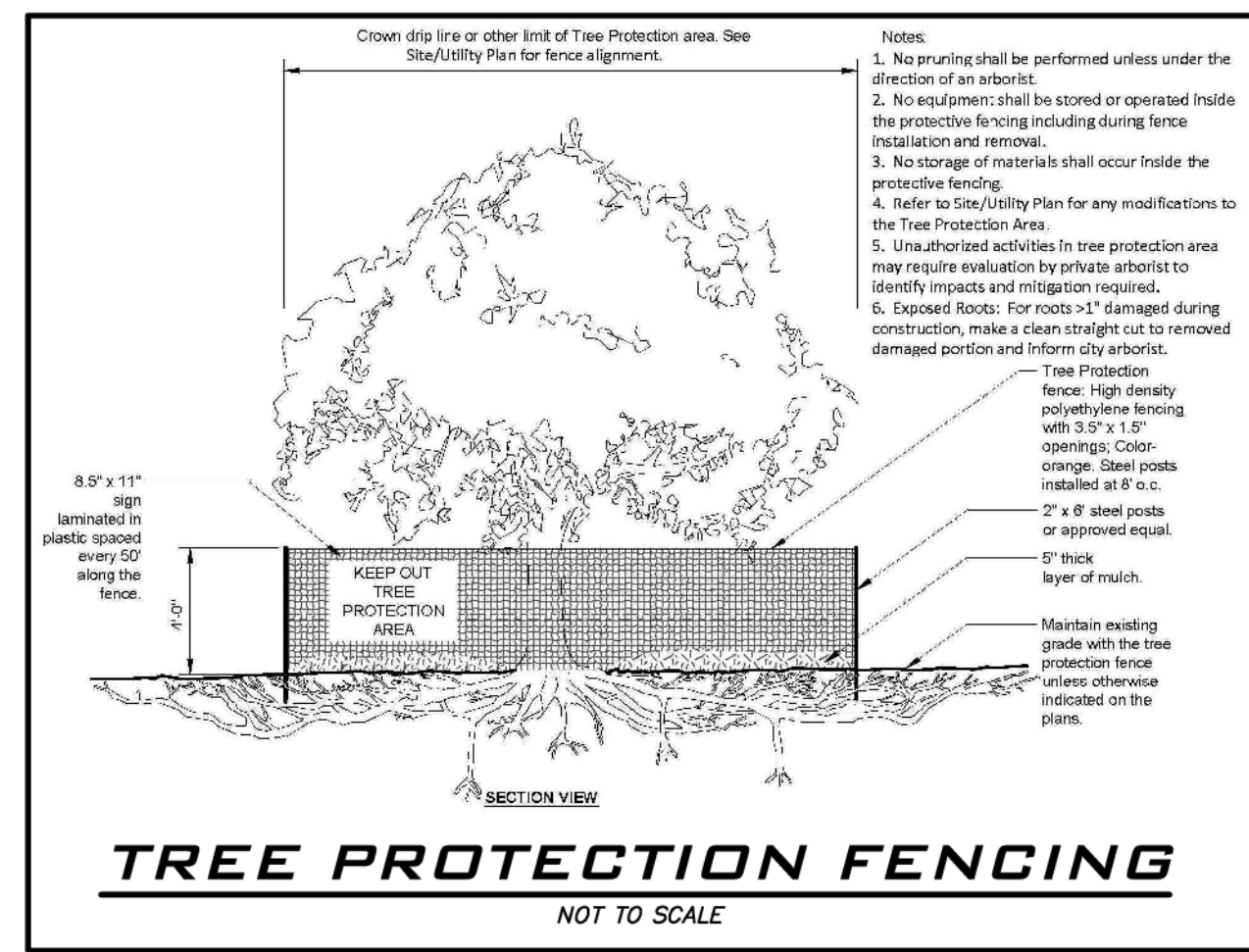
**SOIL AMENDMENT LEGEND**

	(A) NEW TURF AREA REQUIRING AMENDMENT (1,180 SF)
	(B) NEW PLANTING AREA REQUIRING AMENDMENT (2,180 SF)

**POST-CONSTRUCTION SOIL MANAGEMENT NOTES**  
 AMEND SOILS WITH COMPOST PER PRE-APPROVED AMENDMENT METHOD  
 SCARIFY EXISTING SOILS TO DEPTH OF 8 INCHES  
 REFER TO CITY OF MERCER ISLAND SECTION D: POST-CONSTRUCTION SOIL MANAGEMENT FORM UNDER SEPARATE COVER FOR CALCULATED AMENDMENT QUANTITIES.

**NOTE**  
 EXISTING WATER METER TO BE REMOVED AND THE SERVICE TO BE CAPPED.

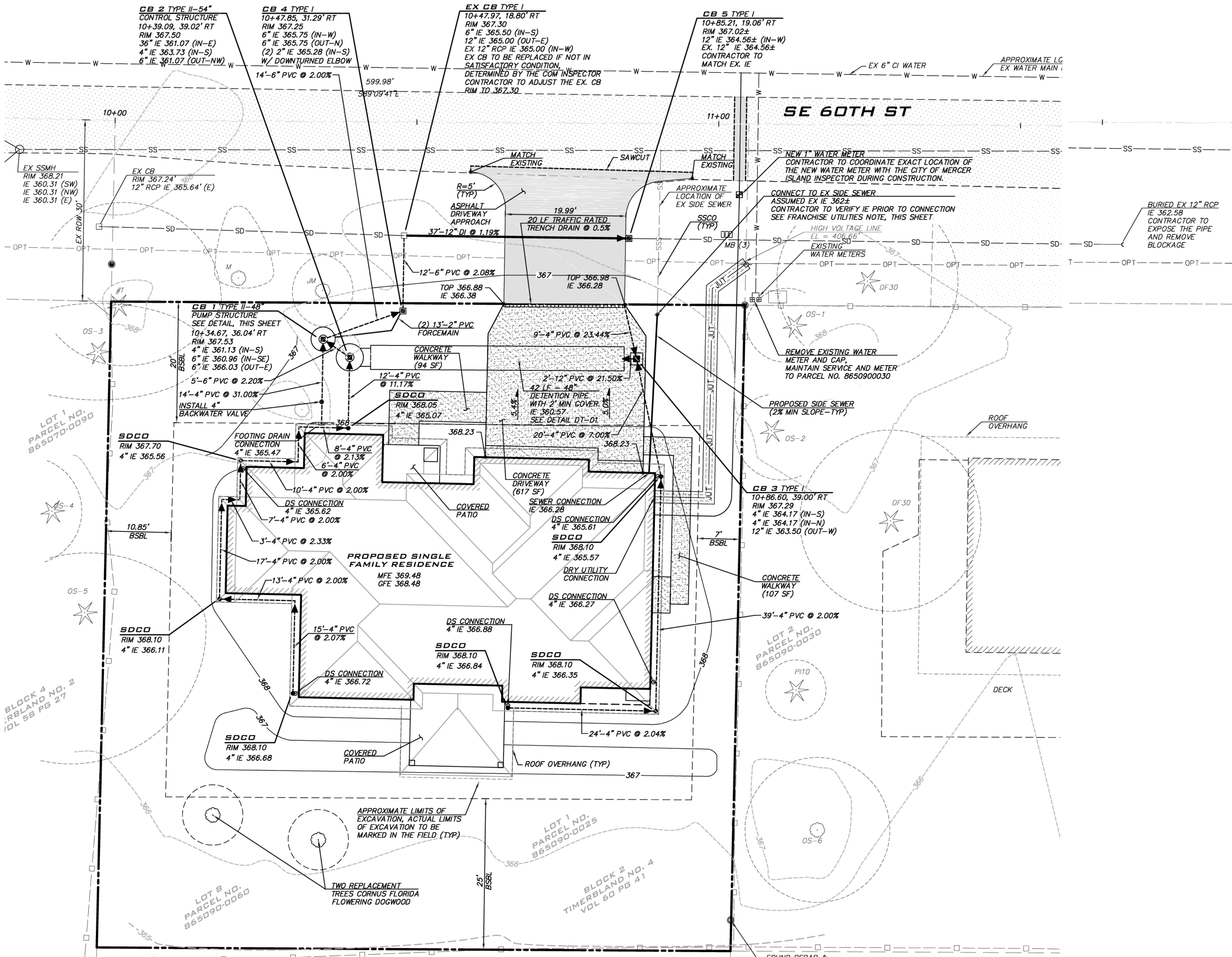
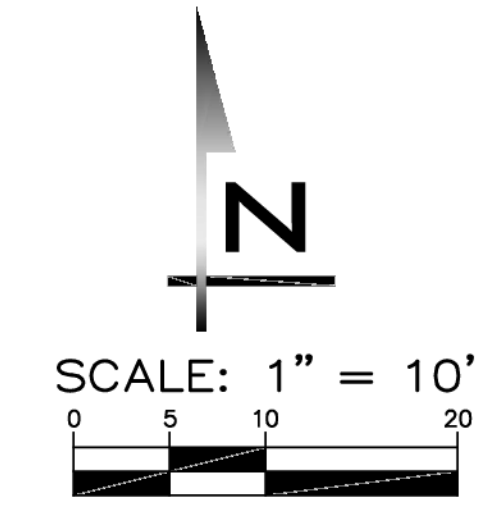
**EXISTING UTILITY NOTE**  
 EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.



6/1/22  
 JOB NUMBER:  
**21-377**  
 SHEET NAME:  
**TP-01**  
 SHT **2** OF **5**

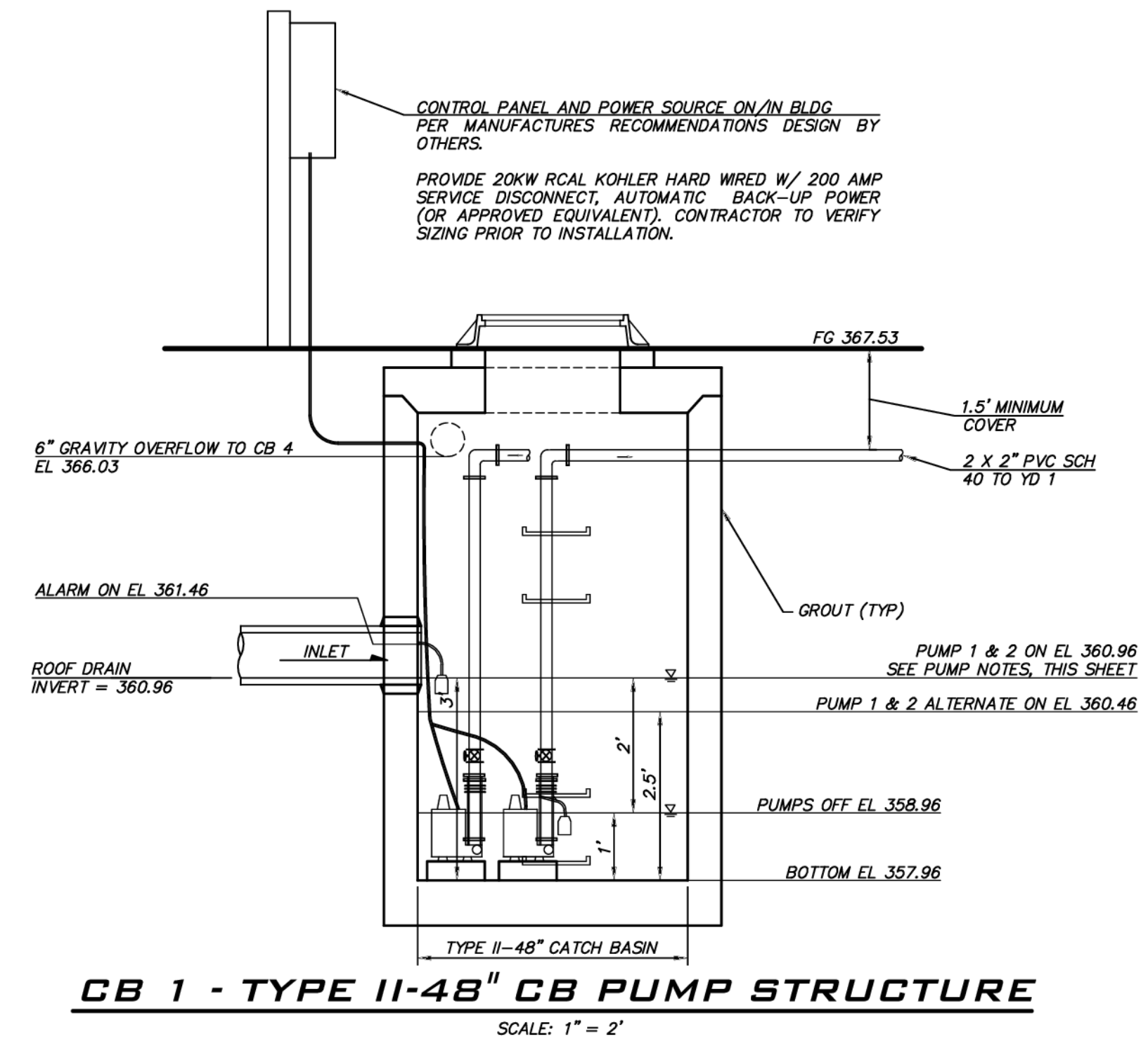






**PUMP SPECIFICATIONS & NOTES**

- THIS PUMP STATION DETAIL IS FOR SCHEMATIC PURPOSES ONLY AND TO OUTLINE THE BASIC PERFORMANCE REQUIREMENTS FOR THE SYSTEM. THE CONTRACTOR SHALL FOLLOW THE INSTALLATION REQUIREMENTS SPECIFIED BY THE PUMP MANUFACTURER. A REPRESENTATIVE OF THE PUMP MANUFACTURER SHALL BE ON-SITE TO INSPECT THE INSTALLATION OF THE SYSTEM.
- DUPLEX SUBMERSIBLE PUMP STATION REQUIREMENTS:  
 SUGGESTED PUMP: ZOELLER MODEL 284 SEWAGE PUMP  
 TOTAL HEAD = 6.6 FT  
 FLOW = 26.3 GPM / PUMP (0.059 CFS / PUMP)  
 PROVIDE ADJUSTABLE FLOW RESTRICTION VALVES ON DISCHARGE LINE  
 PUMPS SHALL BE RATED CONTINUOUS DUTY, SINGLE PHASED, 115V  
 2" NPT DISCHARGE LINE  
 INSTALL PUMPS ON DISCONNECT RAIL SYSTEM  
 PROVIDE ON, OFF AND ALARM FLOAT SWITCHES  
 DUPLEX PUMP SYSTEM CONTROL PANEL TO BE INSTALLED BY QUALIFIED ELECTRICIAN PER NATIONAL ELECTRICAL CODE  
 SECURE/LOCKABLE OUTDOOR DUPLEX CONTROL PANEL WITH BATTERY BACKUP ALARM  
 BACKUP POWER SHALL BE ON SITE NATURAL GAS POWERED GENERATOR OR APPROVED EQUIVALENT.



**CB 1 - TYPE II-48" CB PUMP STRUCTURE**  
 SCALE: 1" = 2'

**PUMP SYSTEM NOTE**  
 1. THE PRIVATE PROPERTY OWNER(S) SHALL BE RESPONSIBLE FOR ANY AND ALL CLAIMS FOR INJURIES AND DAMAGE DUE TO THE OPERATION OR NON-OPERATION OF THE PUMP SYSTEM.  
 2. PUMP 1 & 2 TURN ON ALTERNATIVELY WHEN WATER REACHES EL 360.46.  
 3. BOTH PUMPS TURN ON SIMULTANEOUSLY WHEN WATER REACHES EL 360.96.

**AMENDED SOILS**  
 THE LAWN AND LANDSCAPE AREAS ARE REQUIRED TO PROVIDE POST-CONSTRUCTION SOIL QUALITY AND DEPTH IN ACCORDANCE WITH BMP T5.13. THE PROJECT CIVIL ENGINEER MUST PROVIDE A LETTER OF CERTIFICATION TO ENSURE THAT THE LAWN AND LANDSCAPE AREAS ARE MEETING THE POST-CONSTRUCTION SOIL QUALITY AND DEPTH REQUIREMENTS SPECIFIED ON THE APPROVED PLAN SET PRIOR TO FINAL INSPECTION OF THE PROJECT.

**WATER NOTES**  
 1. CUT AND CAP SERVICE PER CURRENT PUBLIC WORKS SPECIFICATIONS AND INSTALL NEW SERVICE. MAINTAIN THE SERVICE TO THE PARCEL NO. 8650900030.  
 2. INSTALL NEW WATER METER PER MERCER ISLAND SDT DTL W-13.

**SANITARY SEWER NOTES**  
 1. THE TV INSPECTION OF THE EXISTING SIDE SEWER TO THE CITY SEWER MAIN ON SE 60TH ST IS REQUIRED PRIOR TO ANY WORK RELATED TO THE SIDE SEWER. IF THE RESULT OF THE TV INSPECTION IS NOT IN SATISFACTORY CONDITION, AS DETERMINED BY THE CITY OF MERCER ISLAND INSPECTOR, THE REPLACEMENT OF THE EXISTING SIDE SEWER IS REQUIRED.  
 2. IF RE-USE OF SANITARY SEWER LINE WAS APPROVED BY THE CITY OF MERCER ISLAND INSPECTOR, THE LINE SHALL BE CLEANED BEFORE RE-USE.  
 3. PROPOSED SEWER SERVICE LINE TO BE INSTALLED PER CITY OF MERCER ISLAND STANDARD DETAIL S-18.  
 4. SANITARY SEWER CLEANOUT TO BE INSTALLED PER CITY OF MERCER ISLAND STANDARD DETAIL S-19.  
 5. REFER TO CITY OF MERCER ISLAND STANDARD DETAIL S-22 FOR DISCONNECTION AND RECONNECTION NOTES AND SPECIFICATIONS

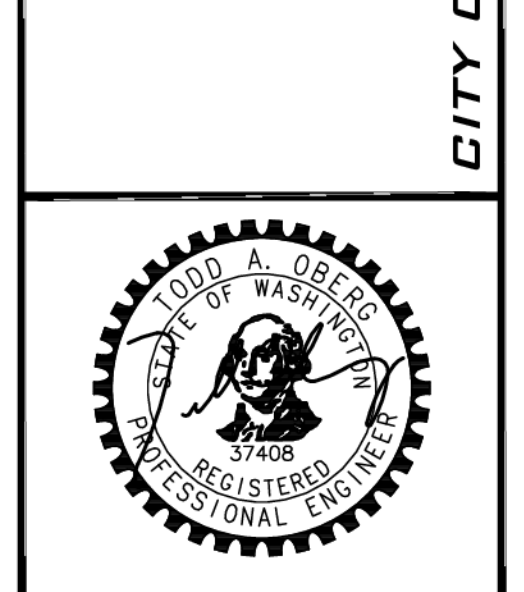
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**RIGHT-OF-WAY STORM**  
 EXISTING STORM RIMS AND IES HAVE BEEN UPDATED PER CONTRACTOR'S FIELD MEASUREMENTS.

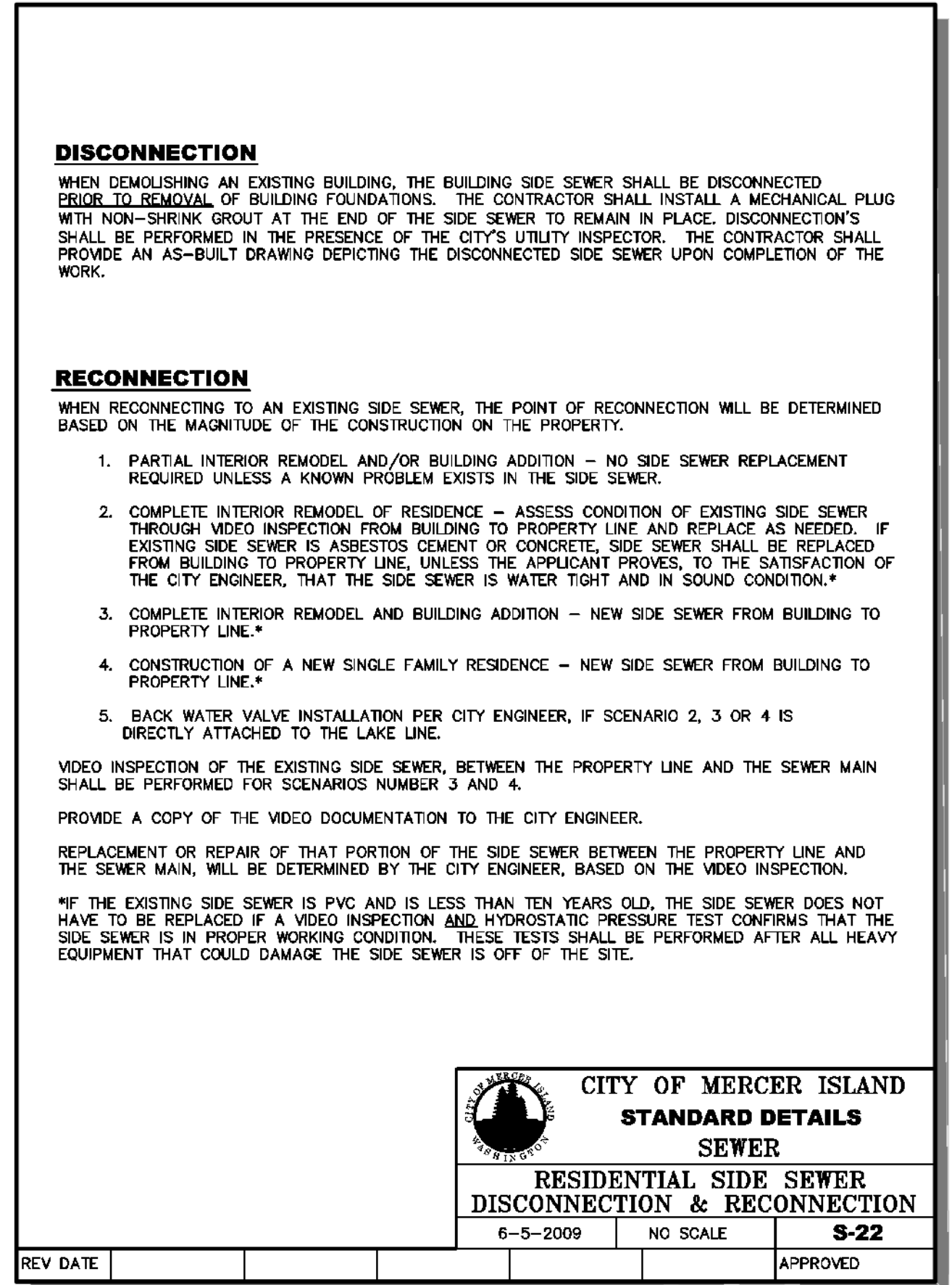
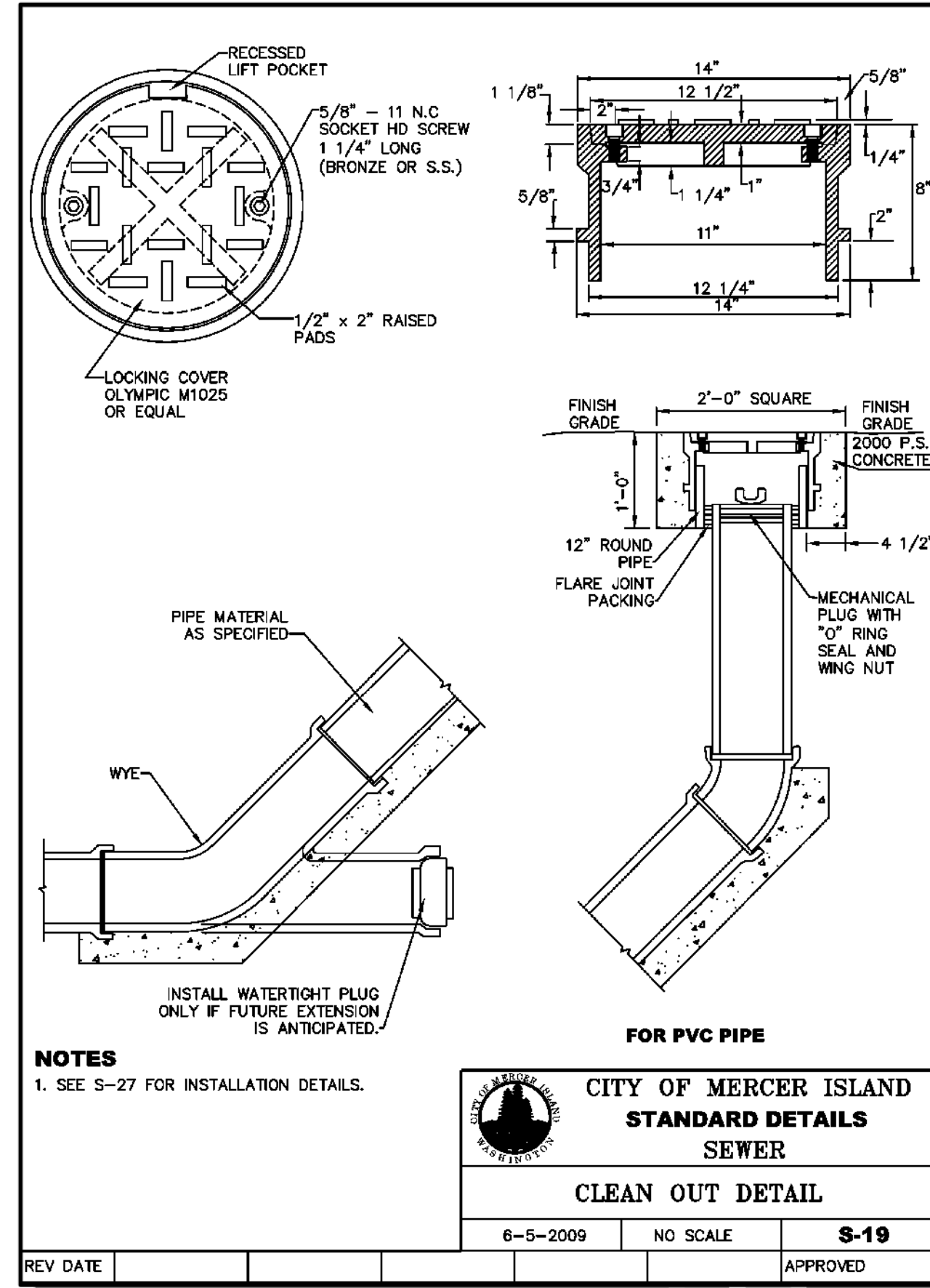
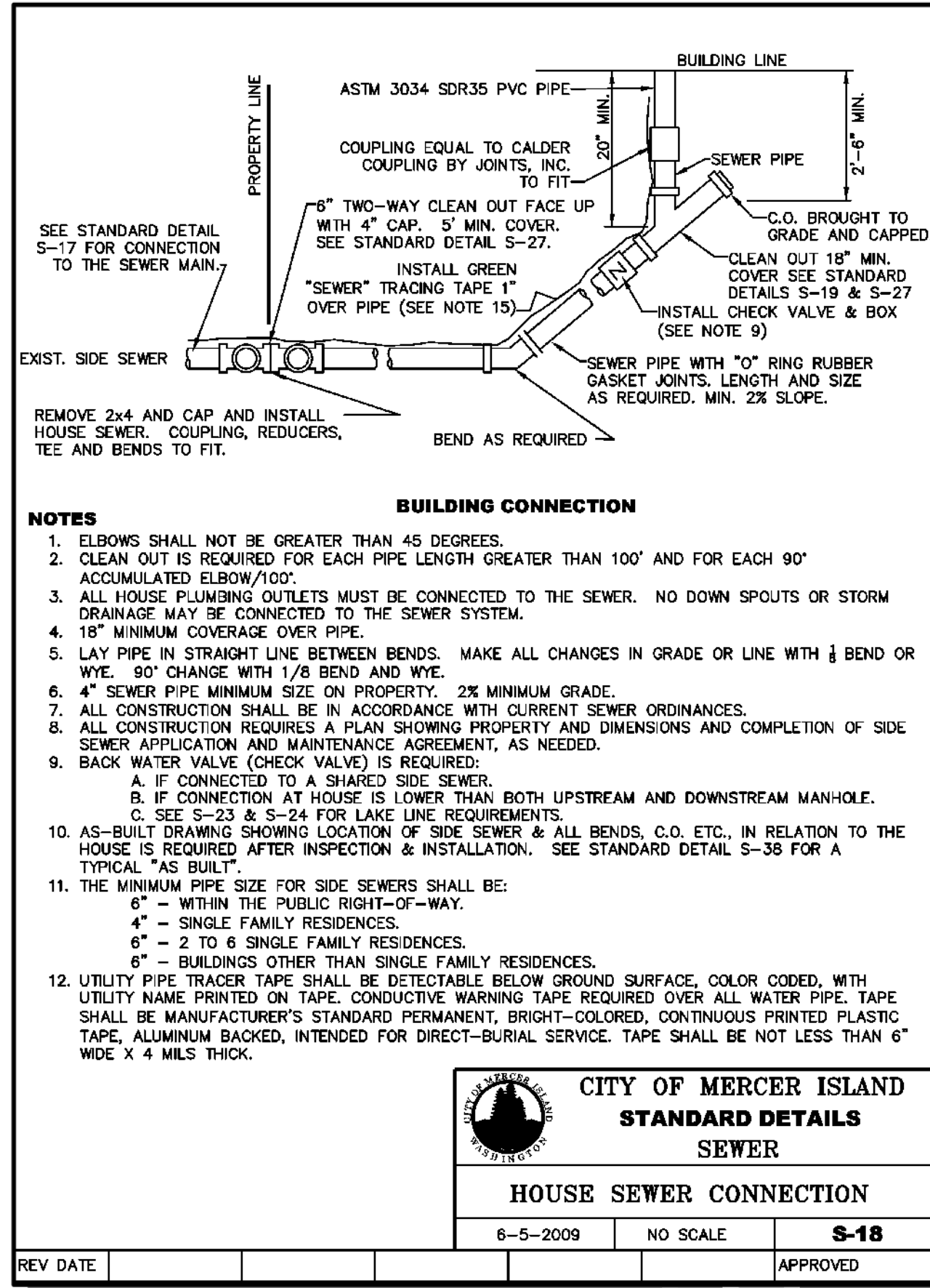
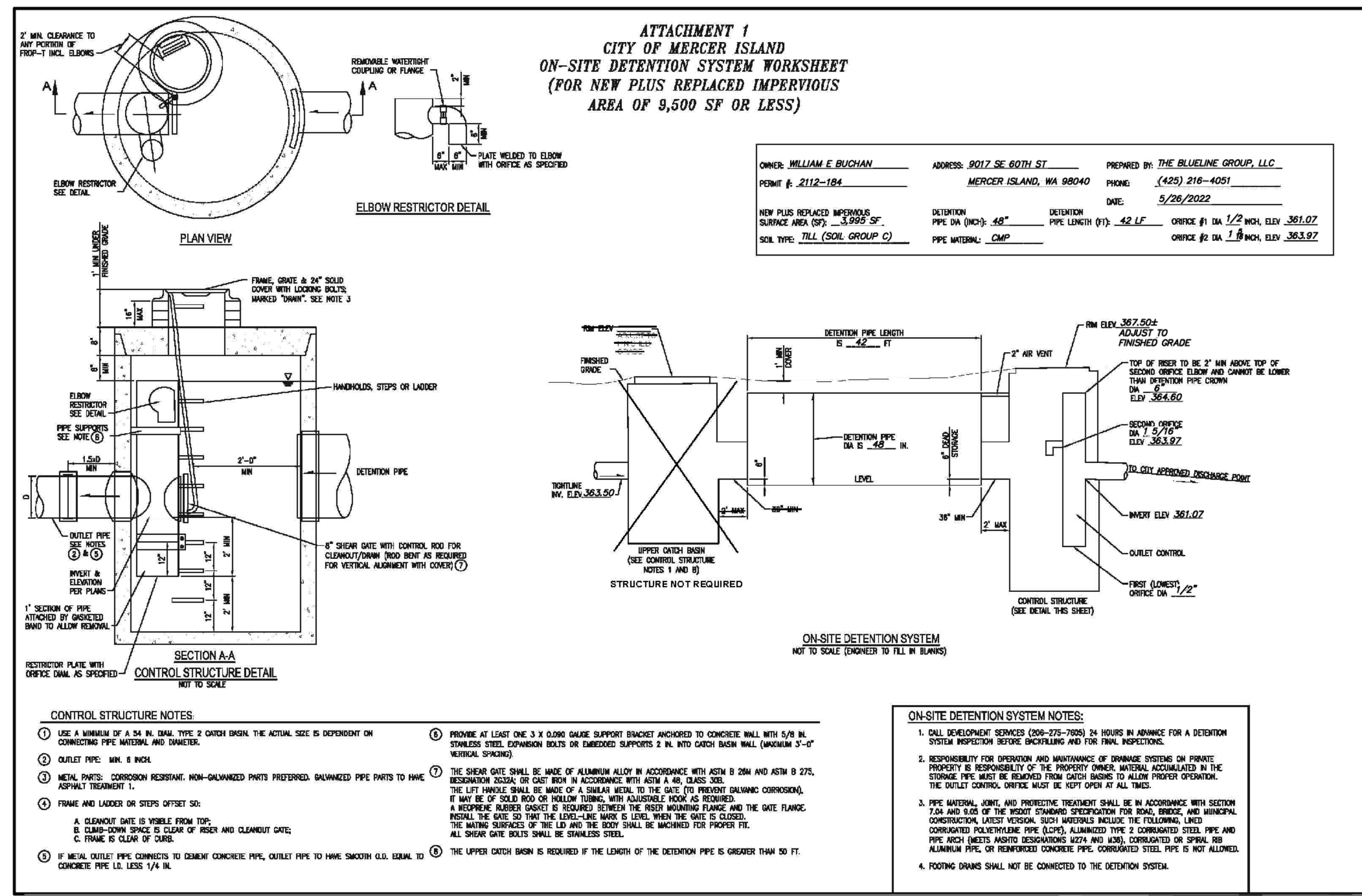
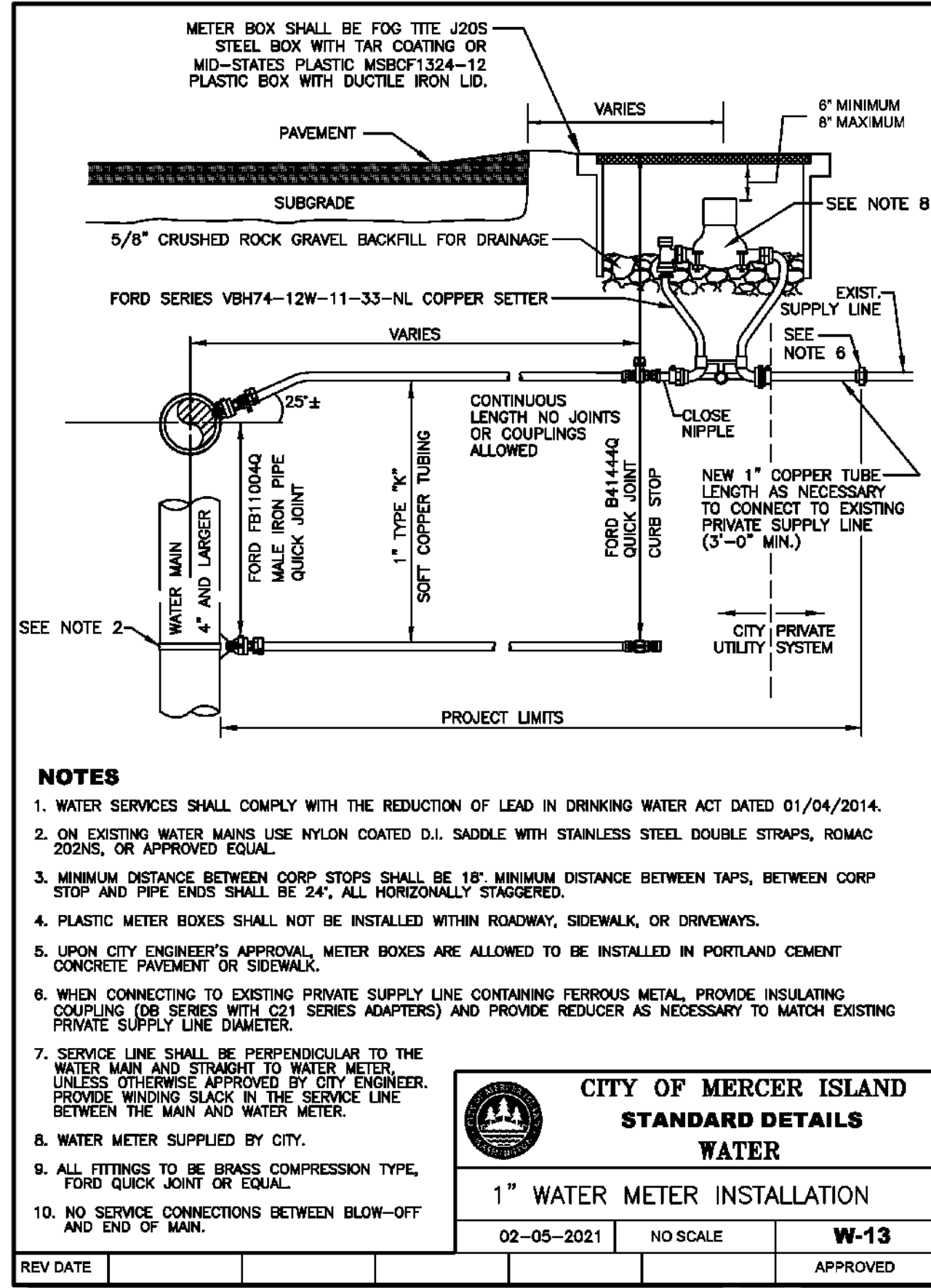
**FRANCHISE UTILITIES NOTE**  
 FRANCHISE UTILITIES SHOWN ON THIS PLAN ARE NOT REVIEWED OR PERMITTED BY THE CITY OF MERCER ISLAND.

NO	DATE	BY	REVISIONS

SITE PLAN  
**9017 SE 60TH ST**  
 SITE PLAN  
 CITY OF MERCER ISLAND WASHINGTON



6/1/22  
 JOB NUMBER:  
**21-377**  
 SHEET NAME:  
**SP-01**  
 SHT **4** OF **5**



**EXISTING UTILITY NOTE**

EXISTING UTILITIES ARE SHOWN IN THE APPROXIMATE LOCATION. THERE IS NO GUARANTEE THAT ALL UTILITY LINES ARE SHOWN, OR THAT THE LOCATION, SIZE AND MATERIAL IS ACCURATE. THE CONTRACTOR SHALL UNCOVER ALL INDICATED PIPING WHERE CROSSING, INTERFERENCES, OR CONNECTIONS OCCUR PRIOR TO TRENCHING OR EXCAVATION FOR ANY PIPE OR STRUCTURES, TO DETERMINE ACTUAL LOCATIONS, SIZE AND MATERIAL. THE CONTRACTOR SHALL MAKE THE APPROPRIATE PROVISION FOR PROTECTION OF SAID FACILITIES. THE CONTRACTOR SHALL NOTIFY ONE CALL AT 8-1-1 (WASHINGTON811.COM) AND ARRANGE FOR FIELD LOCATION OF EXISTING FACILITIES BEFORE CONSTRUCTION.

**BLUELINE**

25 CENTRAL WAY, SUITE 400, KIRKLAND, WA 98033  
 P: 425.216.4051 F: 425.216.4052 WWW.THEBLUELINEGROUP.COM

SCALE: AS NOTED  
 PROJECT MANAGER: TODD A OBERG, PE  
 PROJECT ENGINEER: YANNICK METS, PE  
 DESIGNER: NADIA KROUMOVA  
 ISSUE DATE: 6/1/2022

NO	DATE	BY	REVISIONS

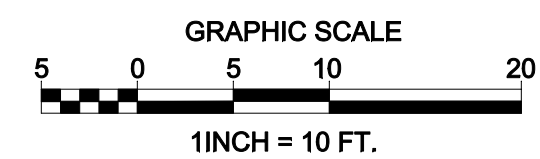
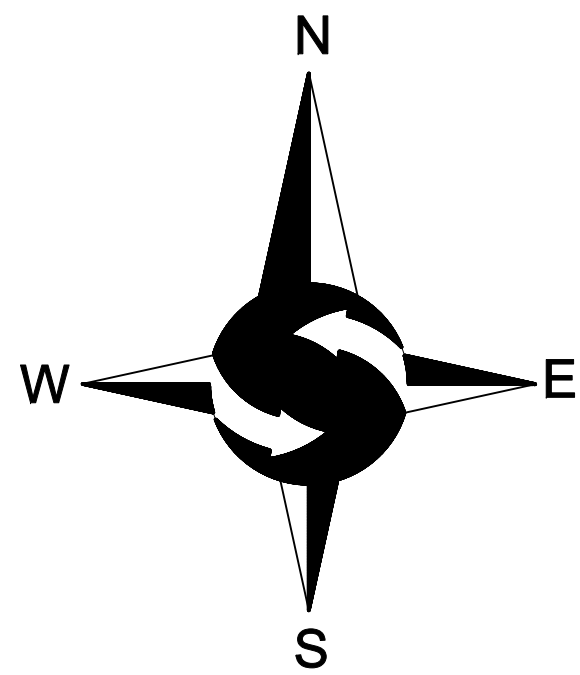
**DETAILS**  
**9017 SE 60TH ST**  
**SITE PLAN**  
**CITY OF MERCER ISLAND WASHINGTON**

6/1/22

JOB NUMBER: 21-377  
 SHEET NAME: DT-01  
 SHT 5 OF 5

**CITY OF MERCER ISLAND  
STANDARD DETAILS  
SEWER  
RESIDENTIAL SIDE SEWER DISCONNECTION & RECONNECTION**

6-5-2009 NO SCALE S-22



**LEGEND**

- |  |   |  |                          |
|--|---|--|--------------------------|
|  | FOUND MONUMENT AS DESCRIBED                     |  | OHE - HIGH VOLTAGE LINE  |
|  | FOUND REBAR AS DESCRIBED                        |  | OHU - OVERHEAD UTILITIES |
|  | SET 4' X 4' WOODEN HUB                          |  | CHAINLINK FENCE          |
|  | SET 5/8" X 24" IRON ROD WITH YELLOW PLASTIC CAP |  | WOOD FENCE               |
|  | POWER METER                                     |  | ASPHALT SURFACE          |
|  | UTILITY POLE                                    |  | CONCRETE SURFACE         |
|  | GAS METER                                       |  | GRAVEL SURFACE           |
|  | CATCH BASIN                                     |  | BRICK SURFACE            |
|  | YARD DRAIN                                      |  | FLAGSTONE SURFACE        |
|  | SANITARY SEWER MANHOLE                          |  | CH - CHERRY              |
|  | WATER VALVE                                     |  | DF - DOUGLAS FIR         |
|  | FIRE HYDRANT                                    |  | DS - DECIDUOUS           |
|  | WATER METER                                     |  | PI - PINE                |
|  | TELEPHONE PEDESTAL                              |  |                          |
|  | MAILBOX   |  |                          |
- \* INDICATES MULTI-TRUNK

**LEGAL DESCRIPTION**

LOT 1, BLOCK 2, TIMBERLAND NO. 4, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 60 OF PLATS, PAGE(S) 41, RECORDS OF KING COUNTY, WASHINGTON.  
SITUATE IN THE CITY OF MERCER ISLAND, COUNTY OF KING, STATE OF WASHINGTON.

**BASIS OF BEARINGS**

THE PLAT OF TIMBERLAND NO. 4, ACCORDING TO THE PLAT THEREOF RECORDED IN VOLUME 60 OF PLATS, PAGE(S) 41, RECORDS OF KING COUNTY, WASHINGTON.

**PROJECT INFORMATION**

**SURVEYOR:** SITE SURVEYING, INC.  
21923 NE 11TH ST  
SAMMAMISH, WA 98074  
PHONE: 425.298.4412

**PROPERTY OWNER:** 9017 SE 60 LLC  
7675 NE 14TH STREET  
MEDINA, WA 98039

**TAX PARCEL NUMBER:** 865090-0025

**PROJECT ADDRESS:** 9017 SE 60TH STREET  
MERCER ISLAND, WA 98040

**ZONING:** R-9.6

**JURISDICTION:** CITY OF MERCER ISLAND

**PARCEL ACREAGE:** 11,251 S.F. (0.258 ACRES) AS SURVEYED

**GENERAL NOTES**

- THIS SURVEY WAS COMPLETED WITHOUT BENEFIT OF A CURRENT TITLE REPORT. EASEMENTS AND OTHER ENCUMBRANCES MAY EXIST ON THIS PROPERTY THAT ARE NOT SHOWN HEREON.
- INSTRUMENTATION FOR THIS SURVEY WAS A 3-SECOND SPECTRAPRECISION FOCUS 36 TOTAL STATION. PROCEDURES USED IN THIS SURVEY MEET OR EXCEED STANDARDS SET BY WAC 332-130-090.
- THE INFORMATION ON THIS MAP REPRESENTS THE RESULTS OF A SURVEY MADE IN SEPTEMBER 2020 AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.
- UTILITIES SHOWN ON THIS SURVEY ARE BASED UPON ABOVE GROUND OBSERVATIONS AND AS-BUILT PLANS WHERE AVAILABLE. ACTUAL LOCATIONS OF UNDERGROUND UTILITIES MAY VARY AND UTILITIES NOT SHOWN ON THIS SURVEY MAY EXIST ON THIS SITE.
- ALL MONUMENTS WERE LOCATED DURING THIS SURVEY UNLESS OTHERWISE NOTED.

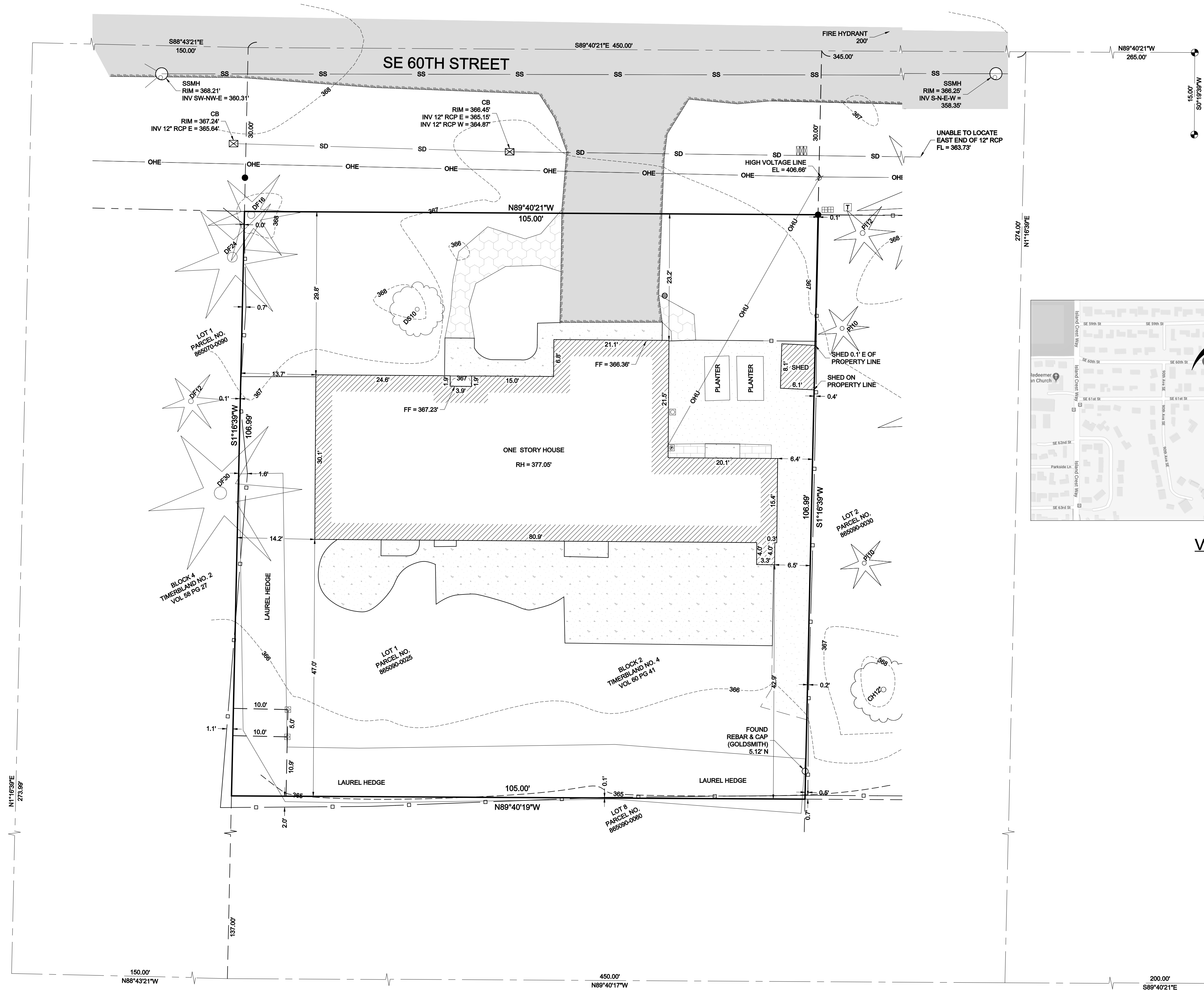
**VERTICAL DATUM & CONTOUR INTERVAL**

ELEVATIONS SHOWN ON THIS DRAWING WERE DERIVED FROM INFORMATION PROVIDED BY WCCS SURVEY CONTROL DATABASE.

THE MARK IS A MONUMENT IN CASE AT THE EAST END OF SE 60TH STREET, ± 150 FEET EAST OF THE INTERSECTION OF 92ND AVENUE SE.

POINT ID NO. MI-1063;  
ELEVATION: 334.534 FEET NAVD 88

2.0' CONTOUR INTERVAL - THE EXPECTED VERTICAL ACCURACY IS EQUAL TO 1/2 THE CONTOUR INTERVAL OR PLUS / MINUS 1.0' FOR THIS PROJECT.



DATE	REVISION

**TOPOGRAPHIC SURVEY**  
9017 SE 60 LLC  
9017 SE 60TH STREET  
MERCER ISLAND, WA 98040

PROJECT NO. 20-365  
DRAWN BY: MTS  
CHECKED BY: TNW  
DATE: 9/4/2020  
SHEET 1 OF 1

SE 1/4, SW 1/4, SEC 19, TWP 24N, RNG 5E, W.M.

