

**FWP BIG SPRINGS RESIDENCE**

2035 Fish Hatchery Rd  
Lewistown, MT 59457

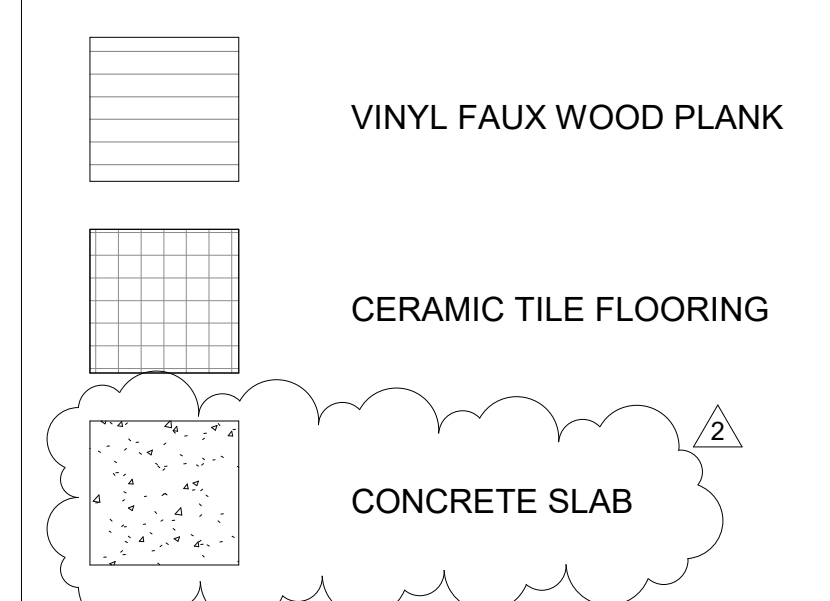
**GENERAL NOTES - PLAN**

- DO NOT SCALE THE DRAWINGS. WRITTEN DIMENSIONS ON THE DRAWINGS GOVERN, UNLESS SPECIFICALLY INDICATED OTHERWISE.
- ALL DIMENSIONS ARE TO FACE OF STUD, UNLESS NOTED OTHERWISE. OFFSET STUDS WHERE REQUIRED TO MAINTAIN FINISH WALL SURFACES FLUSH. INTERIOR DIMENSIONS FROM AN EXISTING WALL TO REMAIN ARE FROM FINISH FACE OF WALL.
- ALL DIMENSIONS SHALL BE VERIFIED IN FIELD BEFORE PROCEEDING WITH THE WORK.
- THESE DRAWINGS INDICATE DETAILS OF GENERAL DESIGN INTENT AND GENERAL METHOD AND MANNER OF ACCOMPLISHING WORK. THE ARCHITECT MAY ISSUE CLARIFICATION DETAILS AND MINOR MODIFICATIONS MAY BE REQUIRED TO SUIT JOB DIMENSIONS OR CONDITIONS AND THESE ARE INCLUDED AS PART OF THE WORK AS IF DRAWN AND DETAILED HEREIN.

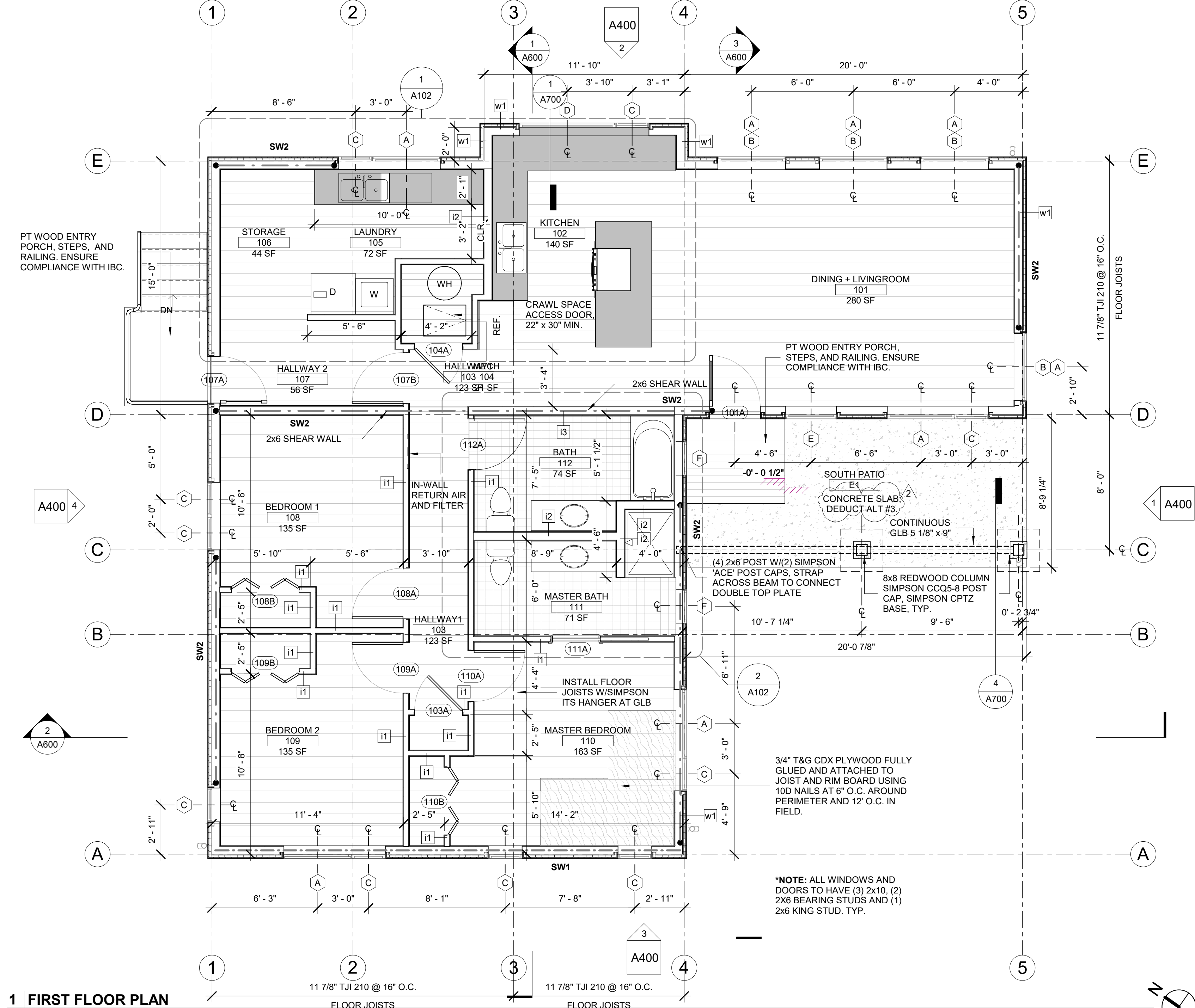
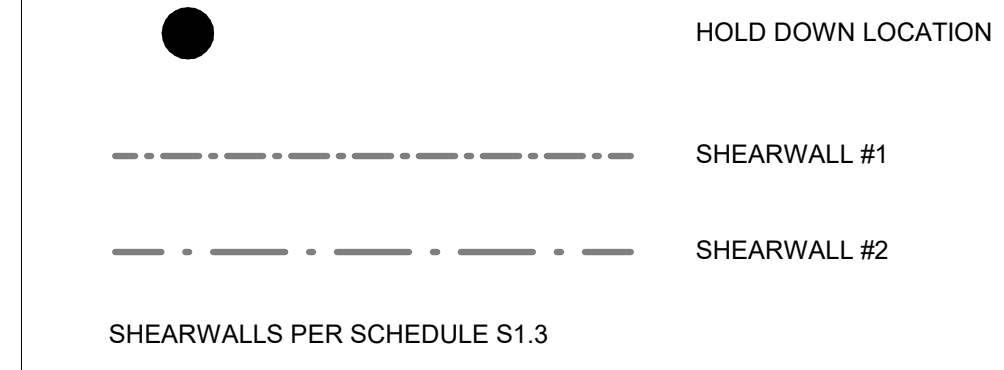
**ELECTRICAL NOTES:**

- PROVIDE AN OUTLET AT 4'-0" O.C. AT KITCHEN.
- COORDINATE ELECTRICAL CONNECTIONS TO DISHWASHER, GARBAGE DISPOSAL, REFRIGERATOR, STOVE/OVEN, WASHER CONNECTION, DRYER CONNECTION, FURNACE, AND HOT WATER HEATER. CONTRACTOR SHOULD NOT INFER THIS TO BE A COMPLETE LIST OF EQUIPMENT THAT NEEDS TO BE COORDINATED WITH ELECTRICAL AND SHOULD DO HIS OWN DUE DILIGENCE.
- PROVIDE GFCI ELECTRICAL OUTLETS IN KITCHEN, BATHROOMS, MUD ROOM, AND MECHANICAL ROOM.
- FIXTURE OUTLETS IN CEILING (MINIMUM) SHALL BE 4" OCTAGONAL X 1-1/2" DEEP (4-11/16 OCTAGONAL X 2-1/2" DEEP WHERE REQUIRED TO ACCOMMODATE LARGER CONDUIT OR LARGER NUMBER OF WIRES).
- GANG BOXES SHALL BE ONE PIECE (MINIMUM), 2-1/8" DEEP.
- FLUSH MOUNT BOXES IN ALL FINISHED WALLS, INSTALL THE PLASTER RINGS IN DRYWALLED PLASTERED WALLS AND RAISED COVERS AS REQUIRED IN WALLS WITH OTHER FINISHES SO THAT THE COVER PLATES FIT TIGHTLY AGAINST BOXES OR RINGS. 3/16" MAXIMUM GAPS ARE ALLOWED FOR NONCOMBUSTIBLE WALLS.
- SUPPORT ALL BOXES TO MAINTAIN PROPER ALIGNMENT AND RIGIDITY.
- CLEAN BOXES OF ALL FOREIGN MATTER PRIOR TO THE INSTALLATION OR WIRING OR DEVICES.
- MOUNTING HEIGHTS MIN. 4" ABOVE COUNTER TOPS IN KITCHEN AND BATHROOM, 16" ABOVE FINISHED FLOOR IN LIVING ROOM, AND BEDROOM.
- INSTALL PULL AND JUNCTION BOXES WHERE SHOWN ON THE DRAWINGS, AND WHERE REQUIRED FOR CHANGES IN DIRECTION, AT JUNCTION POINTS AND TO FACILITATE WIRE PULLING. FURNISH BOX SIZES IN ACCORDANCE WITH 2020 NEC UNLESS LARGER BOXES ARE INDICATED ON THE DRAWINGS.
- ALL ELECTRICAL EQUIPMENT IS TO BE INSTALLED PER THE 2020 NATIONAL ELECTRIC CODE.

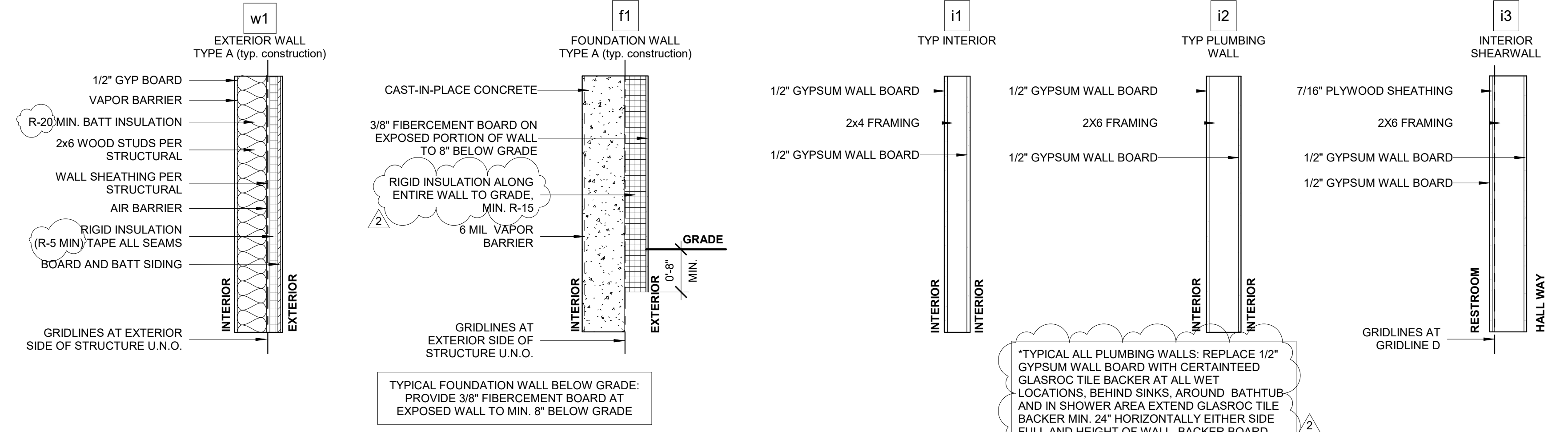
**FLOOR FINISH LEGEND**



**STRUCTURAL SHEARWALLS**



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



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

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**FIRST FLOOR PLAN**  
**A101**

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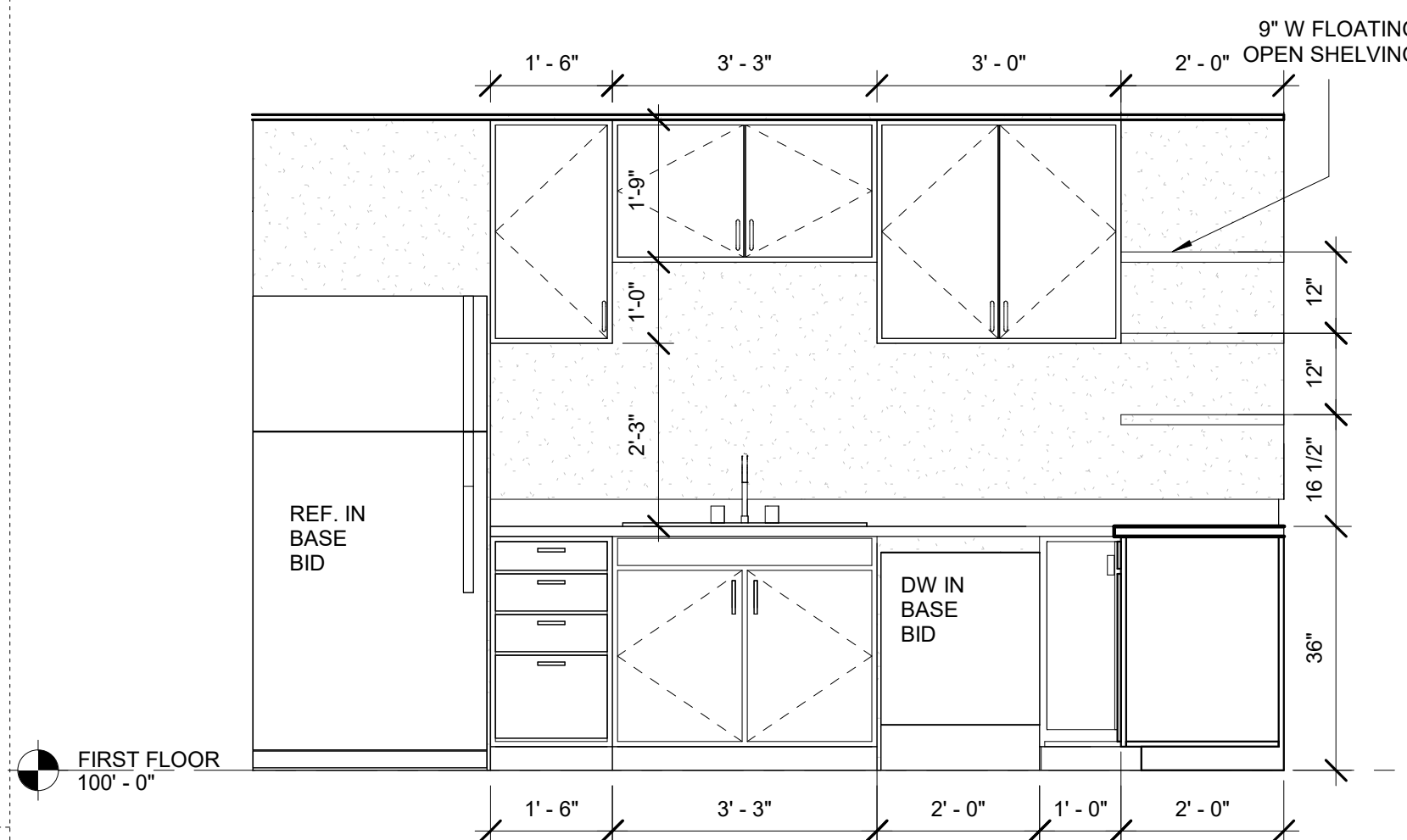
2035 Fish Hatchery Rd  
Lewistown, MT 59457  
Approver

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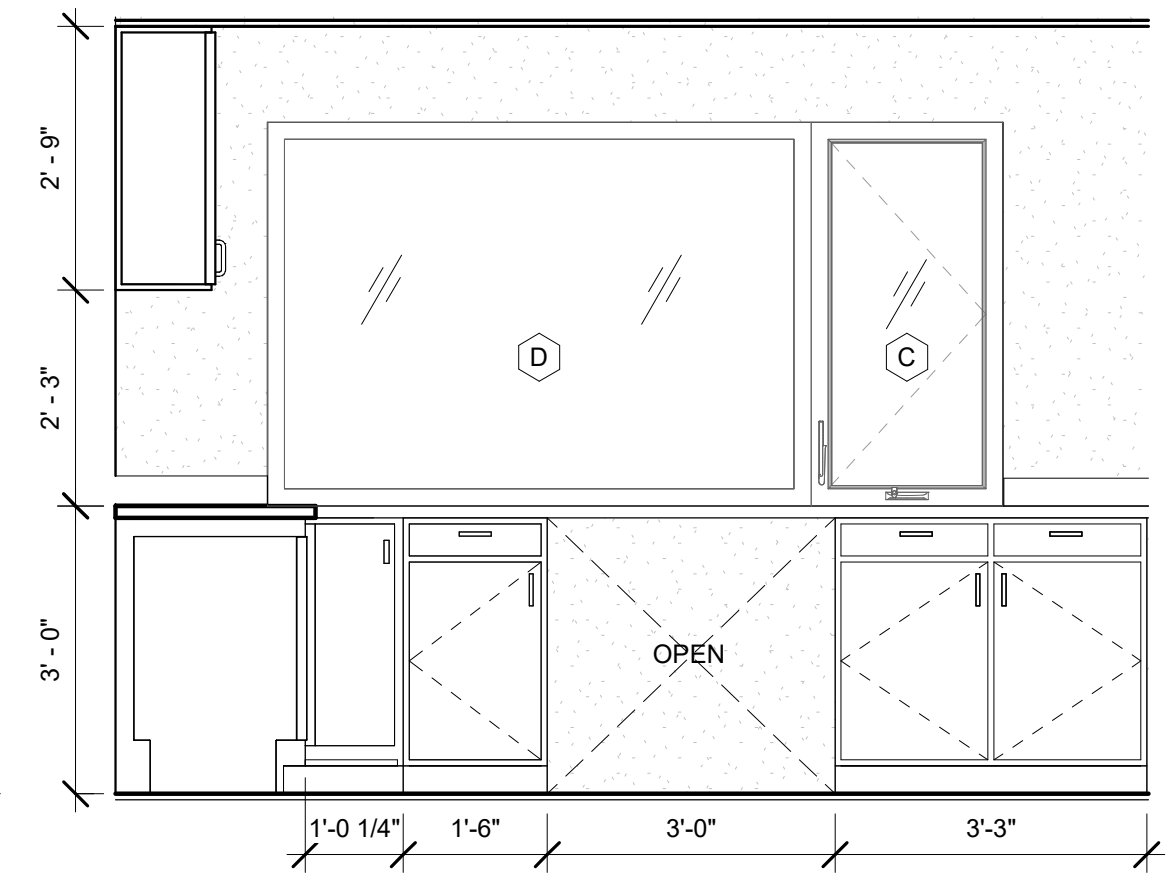
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KITCHEN & BATHS

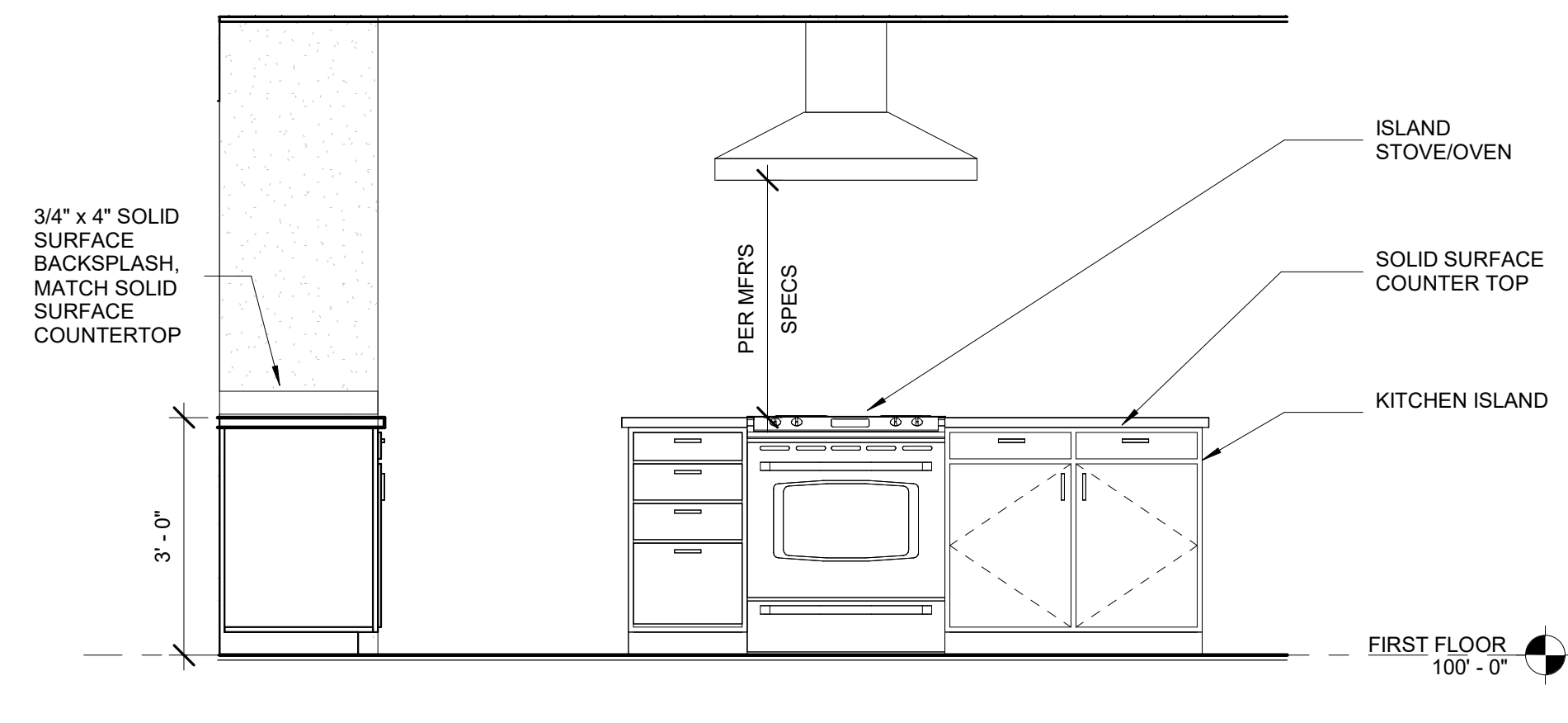
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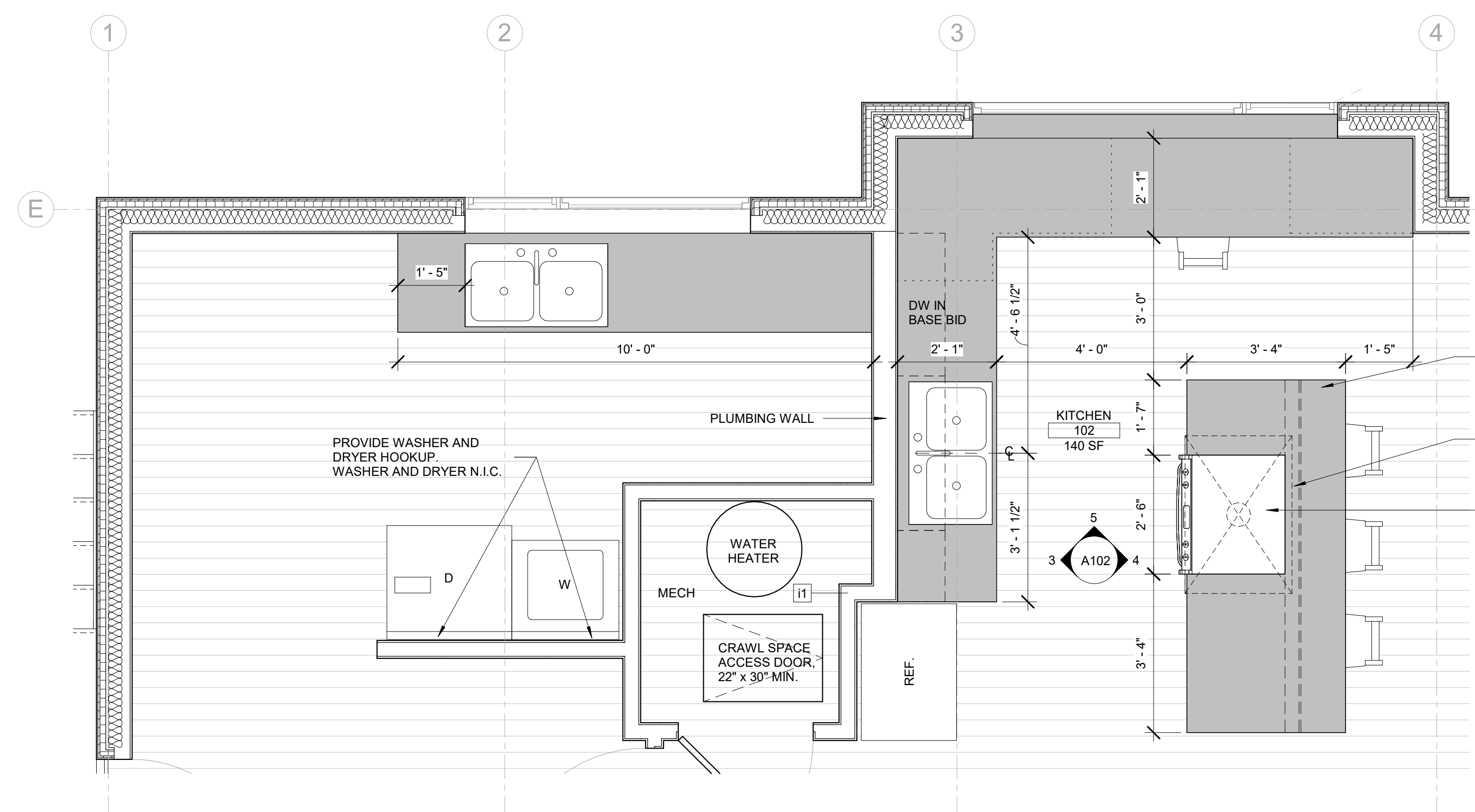
**3 KITCHEN - WEST**  
SCALE: 1/2" = 1'-0"



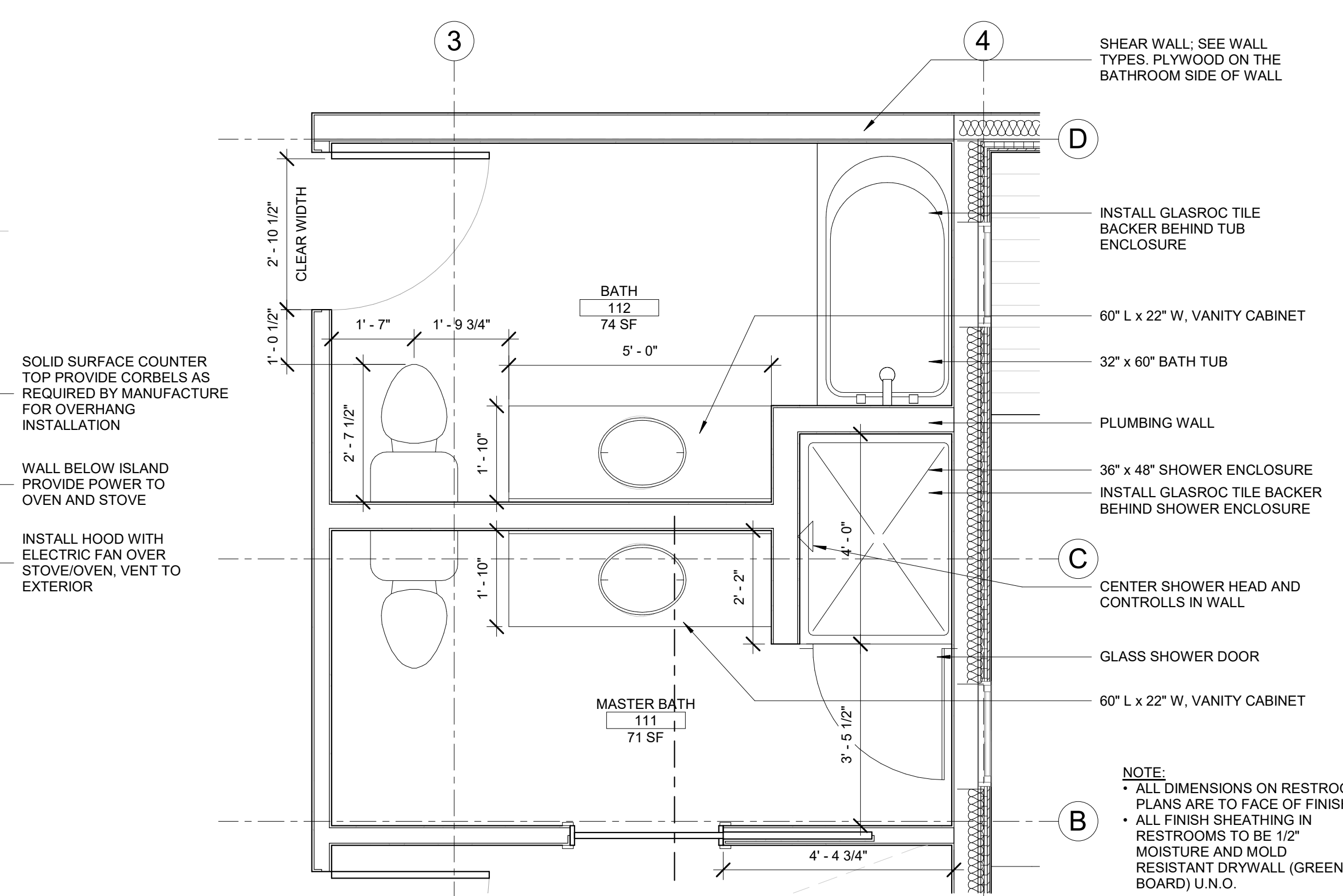
**5 KITCHEN - NORTH**  
SCALE: 1/2" = 1'-0"



**4 KITCHEN - EAST**  
SCALE: 1/2" = 1'-0"



**1 CALLOUT - KITCHEN DETAIL**  
SCALE: 1/2" = 1'-0"



**2 CALLOUT - BATHROOM DETAIL**  
SCALE: 1/2" = 1'-0"

SOLID SURFACE COUNTER TOP PROVIDE CORBELS AS REQUIRED BY MANUFACTURE FOR OVERHANG INSTALLATION

WALL BELOW ISLAND PROVIDE POWER TO OVEN AND STOVE

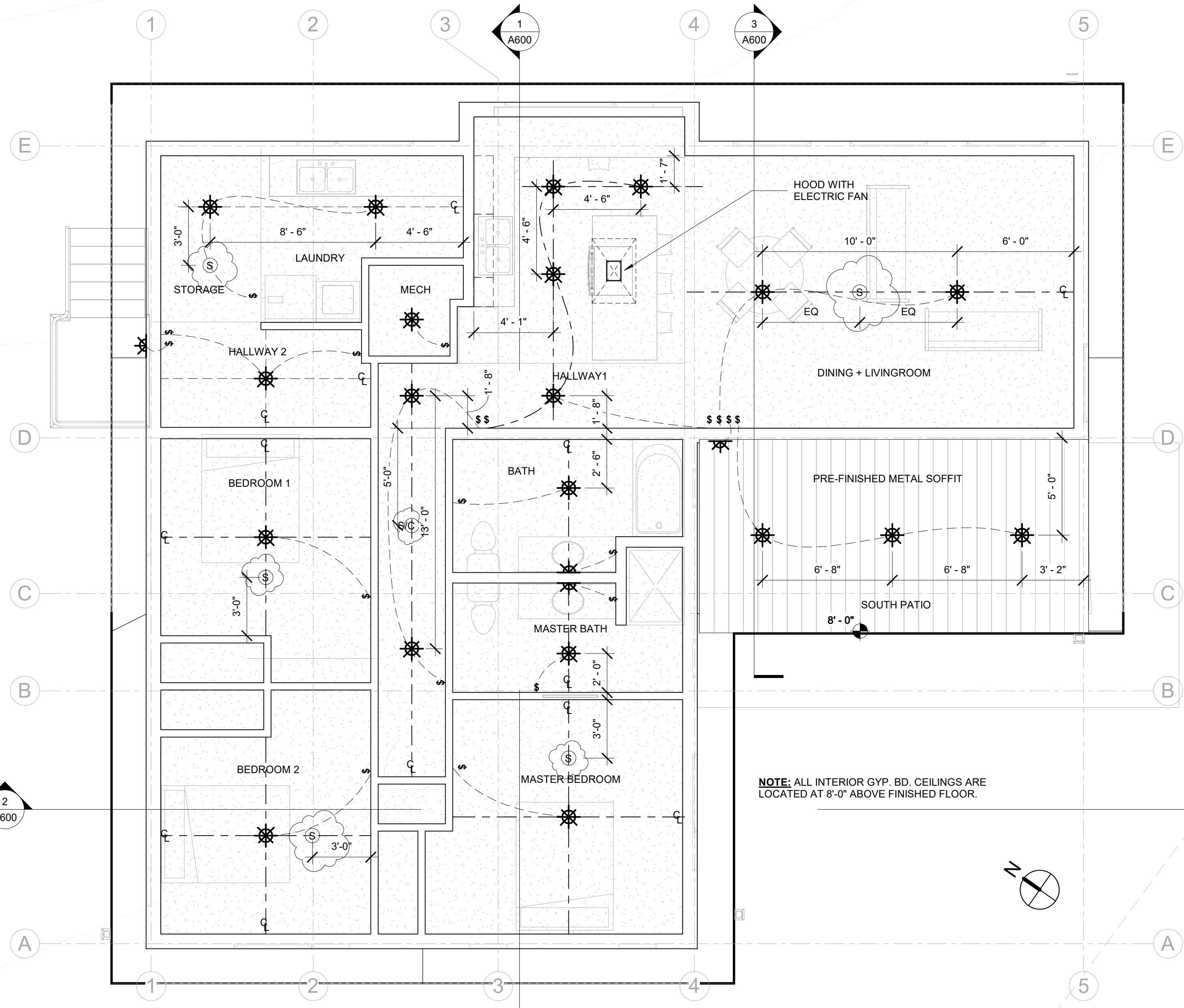
INSTALL HOOD WITH ELECTRIC FAN OVER STOVE/OVEN, VENT TO EXTERIOR

**NOTE:**

- ALL DIMENSIONS ON RESTROOM PLANS ARE TO FACE OF FINISH
- ALL FINISH SHEATHING IN RESTROOMS TO BE 1/2" MOISTURE AND MOLD RESISTANT DRYWALL (GREEN BOARD) U.N.O.

**ELECTRICAL GENERAL NOTES:**

- GENERAL: UNLESS SPECIFICALLY INDICATED OTHERWISE, ALL WORK SHOWN ON THE ELECTRICAL DRAWINGS IS NEW WORK TO BE PROVIDED UNDER THIS CONTRACT.
- COORDINATION: COORDINATE AND COOPERATE WITH ALL TRADES ON THE PROJECT.
- RECORD DRAWINGS: SECURE AN EXTRA SET OF ELECTRICAL DRAWINGS TO BE KEPT ON SITE AND MARK, DAILY, THE DRAWINGS IN RED AS THE PROJECT PROGRESSES IN ORDER TO KEEP AN ACCURATE RECORD OF ALL DEVIATIONS BETWEEN THE WORK SHOWN ON THE DRAWINGS AND THE WORK WHICH IS ACTUALLY INSTALLED. THESE MARKED DRAWINGS SHALL REFLECT ANY AND ALL CHANGES AND REVISIONS TO THE ORIGINAL DESIGN WHICH EXISTS IN THE COMPLETED WORK. DELIVER THE MARKED DRAWINGS TO THE ARCHITECT OF RECORD AT PROJECT CLOSE-OUT.
- TESTS: TEST ALL WIRING FOR CONTINUITY AND GROUNDS BEFORE CONNECTING ANY FIXTURES OR DEVICES. PERFORM INSULATION RESISTANCE TESTS ON ALL WIRING #8 OR LARGER TO ENSURE THAT ALL PORTIONS ARE FREE FROM SHORT-CIRCUITS AND GROUNDS.
- INSPECTIONS: ARRANGE ALL NECESSARY INSPECTIONS. DELIVER ALL REQUIRED INSPECTION CERTIFICATES TO THE OWNER.
- GROUNDING: PROVIDE GROUNDING IN ACCORDANCE WITH THE NEC FOR THE ELECTRICAL SYSTEM INCLUDING EQUIPMENT FRAMES CONDUITS, SWITCHES, CONTROLLERS, WIRE-WAYS, NEUTRAL CONDUCTORS, AND OTHER EQUIPMENT. PROVIDE A GROUNDING CONDUCTOR IN ALL POWER CIRCUITS.
- LABELS: PROVIDE LABELS FOR ALL PANELBOARDS, CABINETS, SAFETY SWITCHES, MOTOR-DISCONNECT SWITCHES, AND MOTOR CONTROLLERS. LABELS SHALL BE MACHINE ENGRAVED, LAMINATED PLASTIC, PERMANENTLY ATTACHED WITH SELF-TAPPING SCREWS OR RIVETS. DO NOT USE SELF-ADHESIVE LABELS. J-BOX LABELING: LABEL ALL JUNCTION BOXES WITH PERMANENT MARKER IDENTIFYING CIRCUIT NUMBER AND PANELBOARD OF CIRCUITS WITHIN.
- PANEL DIRECTORY: PROVIDE TYPEWRITTEN PANELBOARD DIRECTORY CARD IN EACH PANELBOARD INCLUDING EXISTING PANELBOARDS MODIFIED FOR THIS PROJECT WITH CIRCUIT LOAD INFORMATION AND ROOM NUMBER CLEARLY IDENTIFIED.
- MOTOR COORDINATION: MOTORS, MOTOR STARTERS, CONTROLLERS, INTEGRAL DISCONNECT SWITCHES, AND CONTACTORS SHALL BE PROVIDED WITH THEIR RESPECTIVE PIECES OF EQUIPMENT BY THE EQUIPMENT SUPPLIER. COMMUNICATE WITH THE TRADES PROVIDING THE EQUIPMENT, VERIFYING ALL REQUIREMENTS. PROVIDE ALL ELECTRICAL CONNECTIONS REQUIRED THEREIN, AND INSTALL MOTOR STARTERS.
- MOTOR DISCONNECTS: ALL MOTORS SHALL HAVE DISCONNECTING MEANS. MOTOR FUSE PROTECTION: WHERE FUSE PROTECTION IS SPECIFICALLY REQUIRED BY THE EQUIPMENT MANUFACTURER, PROVIDE FUSE SWITCHES IN LIEU OF NON-FUSE SWITCHES OR IN LIEU OF ENCLOSED CIRCUIT BREAKERS, OR OTHER DEVICES INDICATED.
- CONNECTION DETAILS: SECURE APPROVED SHOP DRAWINGS SHOWING WIRING DIAGRAMS, ROUGH-IN AND HOOK UP DETAILS FROM OTHER INVOLVED CONTRACTORS FOR EQUIPMENT WHICH MUST BE CONNECTED ELECTRICALLY.
- EQUIPMENT DETAILS: MECHANICAL EQUIPMENT WILL BE FURNISHED AND INSTALLED BY THE MECHANICAL CONTRACTOR. THE LOCATIONS SHOWN ON THE ELECTRICAL DRAWINGS ARE APPROXIMATE. COORDINATE WITH THE MECHANICAL CONTRACTOR TO DETERMINE THE EXACT LOCATION OF EACH PIECE OF EQUIPMENT AND DETERMINE THE EXACT ROUGH-IN AND CONNECTION REQUIREMENTS.
- STARTER MOUNTING: WHERE AN INDIVIDUALLY MOUNTED SAFETY SWITCH, STARTER OR CIRCUIT BREAKER IS SHOWN ADJACENT TO ITS RESPECTIVE LOAD AND NOT MOUNTED ON A WALL, PROVIDE ALL SUPPORTS, BRACKETS, ANCHORING, ETC. NECESSARY TO PROPERLY SUPPORT THE DEVICE. FIRE PROOFING: FOR ANY WALL OR FLOOR PENETRATIONS THROUGH FIRE RATED STRUCTURES PROVIDE FIRE-PROOFING TO SEAL ALL THE PENETRATIONS AFTER THE CONDUIT HAS BEEN INSTALLED. FIRE PROOFING FOR PENETRATIONS SHALL BE UL APPROVED PER THE PENETRATION MADE IN ORDER TO MAINTAIN FIRE RATED INTEGRITY OF THE STRUCTURE. CLEAN UP: ON PROJECT CLOSE-OUT, CLEAN ALL ELECTRICAL DEVICES, LIGHTING FIXTURES, LAMPS AND LENSES, AND REMOVE ALL PAINT SPATTERS FROM DEVICES, FIXTURES, AND PLATES. REPLACE ALL INOPERATIVE LAMPS.
- OWNER FURNISHED EQUIPMENT: CONTRACTOR SHALL OBTAIN CUT SHEETS, INSTALLATION DATA, AND ROUGH-IN REQUIREMENTS FOR OWNER FURNISHED, CONTRACTOR INSTALLED EQUIPMENT AND COORDINATE ROUGH-IN AND POWER REQUIREMENTS WITH THE OWNER'S REPRESENTATIVE PRIOR TO STARTING ANY ASSOCIATED WORK.
- CONDUIT ROUTING: ALL CONDUIT RUN OVERHEAD SHALL BE RUN AT THE BOTTOM OF THE FLOOR, ROOF STRUCTURE, OR LOWEST CHORD OF JOIST SPACE (AS APPLICABLE) ABOVE IN ORDER TO AVOID CONFLICTS WITH OTHER TRADES.
- EQUIPMENT DEMONSTRATION: PROVIDE A DEMONSTRATION OF THE OPERATION OF ALL ELECTRICAL WORK.
- MECHANICAL EQUIPMENT ELECTRICAL CONNECTIONS: THE ELECTRICAL CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL POWER WIRING TO ALL MECHANICAL CONTRACTOR FURNISHED EQUIPMENT. THE MECHANICAL CONTRACTOR SHALL FURNISH, INSTALL AND CONNECT ALL CONTROL WIRING TO ALL FURNISHED EQUIPMENT, INCLUDING CONTROL DEVICES, STARTER, AND INTEGRAL DISCONNECT SWITCHES OF MECHANICAL CONTRACTOR FURNISHED EQUIPMENT.
- SMOKE ALARMS SHALL BE INSTALLED IN ACCORDANCE WITH R314.
- CARBON MONOXIDE ALARMS SHALL BE INSTALLED IN ACCORDANCE WITH R315.



**1 FIRST FLOOR REFLECTED CEILING PLAN**  
SCALE: 1/4" = 1'-0"

NOTE: ALL INTERIOR GYP. BD. CEILINGS ARE LOCATED AT 8'-0" ABOVE FINISHED FLOOR.

**CEILING FINISH LEGEND**

- PAINTED GYPSUM BOARD CEILING
  - PRE FINISHED METAL SOFFIT, WHITE
  - HARD-WIRE SMOKE ALARM
  - HARD-WIRE FIRE ALARM / CARBON MONOXIDE DETECTOR
  - PROVIDE JUNCTION BOX FOR ELECTRICAL CONNECTION
  - NEW LIGHT FIXTURE
  - NEW EXTERIOR RATED, WALL MOUNTED LIGHT FIXTURE
- NOTE:  
1) IN RESTROOMS, AND MECHANICAL ROOM USE A MOLD RESISTANT GYP BOARD, (GLASROC TILE BACKER).

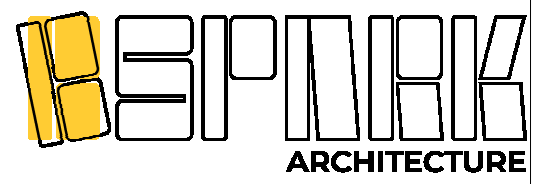
**GENERAL NOTES - CEILING PLAN**

- CEILING HEIGHTS ARE FROM FINISHED FLOOR TO FINISHED SURFACE OF CEILING
- CEILING HEIGHTS ARE MEASURED ABOVE FLOOR OF ROOM THEY ARE IN
- ALL CEILINGS ON FIRST FLOOR ARE TO BE TAPED, TEXTURED, AND PAINTED
- NO CEILINGS IN THE BASEMENT SHALL BE INCLUDED IN THE BASE BID U.N.O.

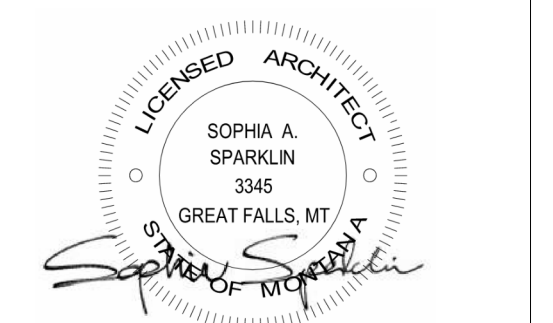
**HVAC AND WATER FILTRATION:**

HVAC: PROVIDE AND INSTALL A HIGH-EFFICIENCY CONDENSING FORCED-AIR GAS FURNACE, INSTALLED IN THE CRAWLSPACE WITH SUPPLY DUCTWORK DISTRIBUTED THROUGH CRAWLSPACE. PROVIDE IN-WALL RETURN AIR AND FILTER AT MAIN FLOOR FOR EASE OF FILTER CHANGE. SIZE SYSTEM IN ACCORDANCE WITH CURRENT ENERGY CODE REQUIREMENTS, AND SUBMIT SHOP DRAWINGS FOR REVIEW.

WATER FILTRATION: PROVIDE AND INSTALL NEW WATER FILTRATION SYSTEM FOR THE RESIDENCE - INCLUDING PURCHASE AND INSTALLATION BY CONTRACTOR:  
1. -2 CULLIGAN STANDARD DUTY WHOLE HOUSE FILTERS, (CLEAR PLASTIC TO MONITOR FILTER LIFE).  
1. 1st FILTER IN LINE IS A COARSE FILTER @ 20 MICRONS.  
2. 2nd FILTER IN LINE IS A FINE FILTER @ 5 MICRONS.



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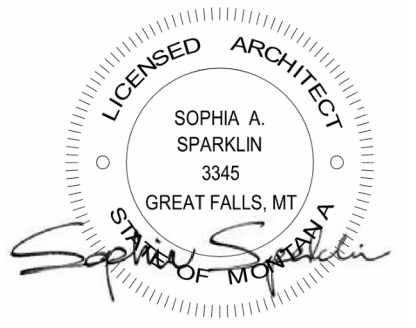
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REF. CEILING PLAN  
**A200**



# FWP BIG SPRINGS RESIDENCE

## GENERAL NOTES, ROOFING

- ICE AND WATER PROTECTOR TO BE APPLIED ABOVE ALL EAVES, FROM ROOF EDGE TO A MINIMUM OF 24" BEYOND THE INTERIOR SURFACE OF THE ENVELOPE WALL OR PER MANUFACTURER'S SPECIFICATIONS.
- LOCATE AND INSTALL SNOW GUARD PER MANUFACTURER'S INSTRUCTIONS.
- PROVIDE METAL ROOF LENGTHS LONG ENOUGH TO COVER ENTIRE LENGTH OF ROOF WHERE POSSIBLE. IF NOT POSSIBLE, PROVIDE A MINIMUM OF 1'-0" END LAP TO METAL ROOF SPLICE AND PROVIDE ICE AND WATER SHIELD MIN. 24" CENTERED UNDER ALL ROOF SPLICES.
- ATTACH PLYWOOD TO TRUSSES USING 10D NAILS AT 6'-0" O.C. AROUND PERIMETER AND 12'-0" O.C. IN FIELD.
- VENT PER CODE AND MANUFACTURER'S RECOMMENDATIONS.

## ROOF VENTILATION CALCULATION

ATTIC SF = 1448 SF / 150 = 9.65 SF \* 144 = 1390 SQ IN VENTILATION  
696 SQ. IN. AT SOFFIT = MIN. 7" WIDE EAVE VENTS  
696 SQ. IN. AT RIDGE = 1 1/2" TALL RIDGE VENTS

**DEDUCT ALTERNATE #1**  
REMOVE METAL ROOFING FROM BASE BID AND REPLACE FINISHED ROOFING MATERIAL WITH 30-YEAR ARCHITECTURAL ASPHALT SHINGLES. ALL ROOFING SYSTEM MATERIALS ARE TO BE THE SAME AS THE BASE BID INCLUDING SYNTHETIC UNDERLAYMENT, AND PRE-FINISHED FLASHING AROUND THE PERIMETER OF THE ROOF. FOLLOWING THE ASPHALT SHINGLE MANUFACTURER'S REQUIREMENTS FOR INSTALLATION. COLOR IS TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLORS.

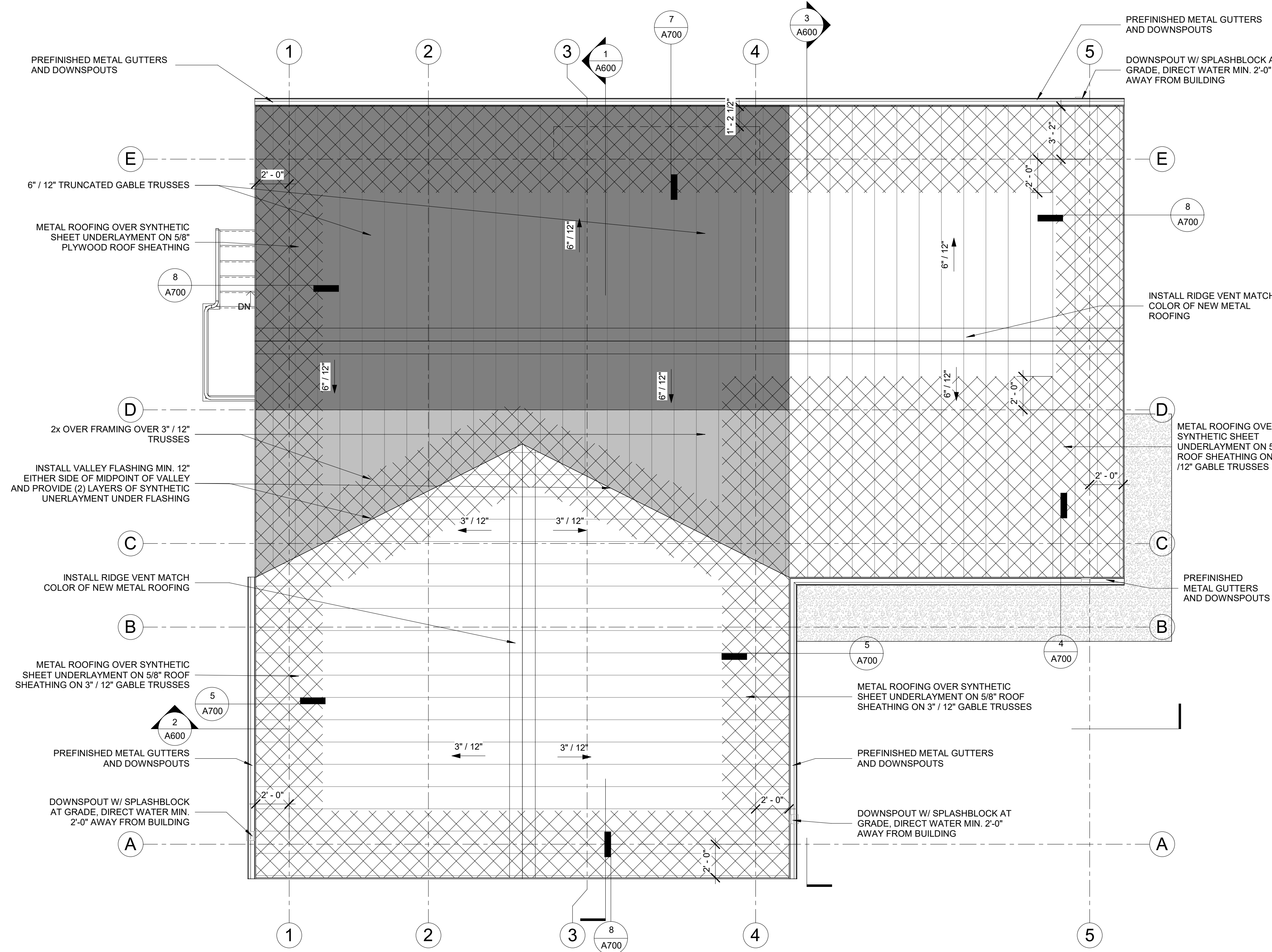
## ROOFING MATERIAL LEGEND

METAL STANDING SEAM ROOFING  
24 GA METAL, 2" RIB HEIGHT STANDING SEAM  
MECHANICAL LOCK, 14" PANELS

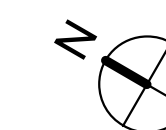
**DEDUCT ALTERNATE #1:** REPLACE METAL ROOFING WITH ARCHITECTURAL ASPHALT SHINGLES MIN. 110 WIND SPEED

ICE AND WATER PROTECTOR INSTALL  
MIN 2' INSIDE THE INTERIOR WALL

2x OVER FRAMING OVER 3" / 12" TRUSSES



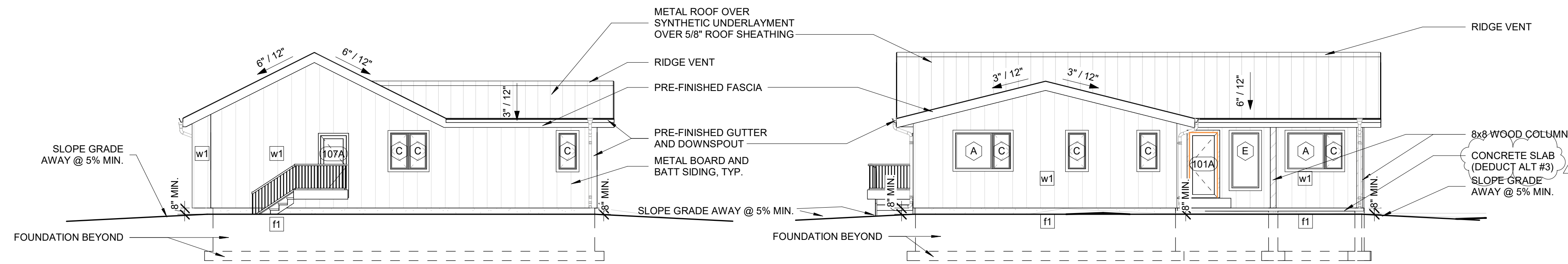
**1 ROOF PLAN**  
SCALE: 1/4" = 1'-0"



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ROOF PLAN  
**A300**

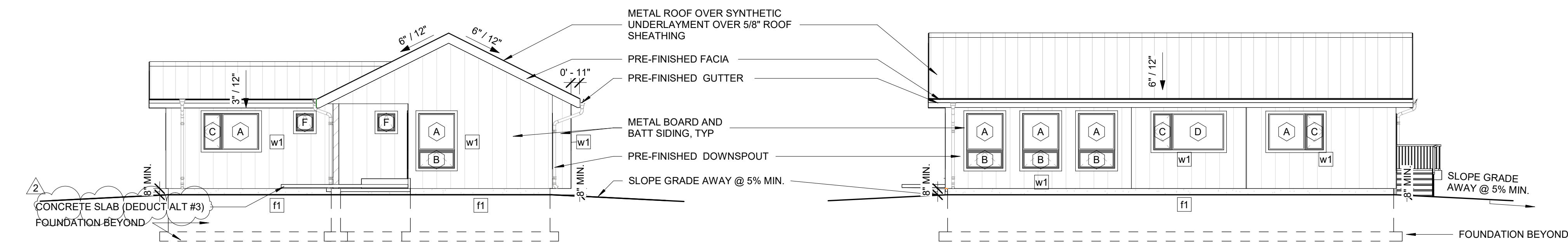


**4 ELEVATION - PROJECT WEST**

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

**3 ELEVATION - PROJECT SOUTH**

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



**1 ELEVATION - PROJECT EAST**

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

**2 ELEVATION - PROJECT NORTH**

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

**METAL BOARD AND BATTEN SIDING NOTES**

**BOARD AND BATTEN APPLICATION**  
THE STARTER STRIP IS INSTALLED VERTICALLY AND PANELS LOCK TOGETHER VERTICALLY. WHEN RUNNING EXTRA-LONG LENGTHS OF BOARD AND BATTEN, Z STRIP SHOULD BE USED TO START AND STOP THE PANELS

**ACCESSORIES AND STARTER**  
SNAP A CHALK LINE THAT IS PARALLEL TO THE EAVES OR TOPS OF WINDOWS AT THE BOTTOM OF THE BUILDING. USE THIS LINE TO INSTALL 1" RAT GUARD AT THE BOTTOM OF THE BUILDING. TRIM WINDOWS AND DOORS COMPLETELY WITH J-CHANNEL OR FINISH TRIM. TO INSTALL STARTER STRIP CORRECTLY DROP A PLUMB LINE OFF CENTER OF THE GABLE PEAK. MEASURE SIDEWAYS OFF THIS LINE TO SET YOUR FIRST PANEL.

**FIRST ROW**  
MEASURE THE LENGTH OF THE FIRST ROW AND CUT TO LENGTH. CUT THE BATTEN OFF OF THIS PIECE AND INSTALL CUT EDGE OF PANEL UNDER THE BOTTOM EDGE OF STARTER STRIP. CUT THE OTHER ROW TO LENGTH AND LOCK THIS PANEL INTO THE STARTER STRIP NAIL BOTH ROWS COMPLETELY THROUGH NAILING FLANGES FOLLOWING PROPER NAILING GUIDELINES.

**SUBSEQUENT ROWS**  
INSTALL ALL REST OF PANELS WORKING BOTH IN RIGHT AND LEFT DIRECTIONS FROM THE TWO CENTER PANELS. THIS TECHNIQUE WILL ALLOW FOR EVEN SPACING OF BATTENS. YOU CAN ALSO NAIL A STARTER STRIP AT THE CORNER VERTICALLY AND INSTALL PANELS IN ONE DIRECTION, THIS SHOULD BE DONE WHEN BATTENS DON'T HAVE TO BE SPACED EVENLY.

**DOOR AND WINDOW CUTS**  
BE SURE TO INSTALL FINISH TRIM ON VERTICAL CUTS TO HIDE CUT EDGES OF SIDING THAT MAY BE VISIBLE. FURRING MAY BE NEEDED TO BUILD OUT PANEL IF VERTICAL CUTS ARE MADE IN BATTENS. BE SURE TO NAIL FURRING ON FIRST THEN NAIL ON FINISH TRIM, THIS TECHNIQUE SHOULD ALSO BE USED AT O.C.P.

**INSIDE CORNERS**  
TWO J-CHANNELS AT RIGHT ANGLES MAY BE USED FOR THE INSIDE CORNERS. INSTALL A SMALL BEAD OF CAULKING WHERE THE TWO J-CHANNELS MEET ONE ANOTHER. J-CHANNELS SHOULD BE INSTALLED AT FULL LENGTHS, 1/2" BELOW THE BOTTOM OF THE STARTER STRIP AND EXTENDING TO THE EAVE LINE OR GABLE TRIM. IF A SHORTER PIECE IS NEEDED TO REACH THE EAVE OR GABLE TRIM BE SURE TO OVERLAP THE BOTTOM PIECE WITH THE TOP PIECE. J-CHANNEL FLANGES SHOULD BE NAILED EVERY 12", MAKING SURE NOT TO DRIVE THE NAILS TOO TIGHT. DRIVING NAILS TOO TIGHT MAY CAUSE A DISTORTION TO OCCUR IN THE J-CHANNEL. J-CHANNELS CAN EASILY BE CUT WITH A PAIR OF AVIATION SNIPS.

**CLEAN UP**  
USE A MILD SOAP AND WATER FOR CLEAN-UP WITH A SOFT CLOTH OR SPONGE. DO NOT RUB EXCESSIVELY, AS THIS COULD CAUSE DAMAGE TO THE SURFACE. DO NOT USE HARSH ABRASIVES. MINERAL SPIRITS MAY BE USED SPARINGLY TO REMOVE GREASE OR ASPHALT STAINS.


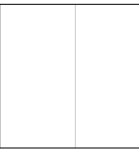
**JOB SITE**  
RE-INSTALL ALL FIXTURES AND WIRES THAT WERE REMOVED PRIOR TO INSTALLATION. SCRAP PIECES, SIDING BOXES, NAILS DEBRIS, ETC. SHOULD BE REMOVED DAILY.

**REPLACING DAMAGED PANELS**  
CUT DAMAGED PANEL JUST ABOVE THE CENTER WITH AN ELECTRIC SHEAR. REMOVE THE BOTTOM SECTION OF DAMAGED PANEL. DO NOT REMOVE REMAINING SIDING PANEL. REMOVE THE TOP LOCK OF THE REPLACEMENT PANEL AS HIGH UNDER THE LOCK AS POSSIBLE. REMOVE ANY BURRS OR IMPERFECTIONS THAT MAY HAVE OCCURRED WHILE CUTTING. SLIP THE NEW PIECE OF SIDING UNDER THE OLD LOCK. IF THIS LOCK IS TOO TIGHT, OPEN GAP WITH A FLATHEAD SCREWDRIVER. APPLY ADHESIVE CAULK ON THE FULL LENGTH OF THE OLD PANEL 1/2" TO 3/4" UNDER OLD LOCK. INSTALL NEW PIECE OF SIDING CAREFULLY OVER THE TOP OF THE ADHESIVE CAULK AND INTO THE OLD LOCK. PRESS NEW PANEL INTO THE CAULK SO THAT IT MAKES CONTACT THE FULL WIDTH OF SIDING. DO NOT NAIL THIS PANEL INTO PLACE. USE THIS PROCEDURE FOR ALL REPLACEMENT. NAIL THROUGH WEEP HOLE WITH STAINLESS STEEL TRIM NAILS TO HOLD THE PANEL IN PLACE.

**ADDITIONAL TIPS**  
IT MAY BE NECESSARY TO LEAVE J-CHANNELS OR CORNER POSTS LOOSE AROUND OPENINGS TO HELP FOR INSTALLATION OF SHORT SIDING PANELS. YOU MAY ALSO HAVE TO LEAVE J-CHANNELS OFF TO GET SHORT PIECES IN AND SLIP A J-CHANNEL IN AFTER INSTALLATION. NAILING FOR THIS PROCEDURE CAN BE DONE INTO THE BACK SIDE OF THE J-CHANNEL AT EVERY OTHER ROW INTO THE CASING WHICH IT IS BUTTED INTO. A NAIL SET WILL HELP IN THIS PROCEDURE TO SET YOUR NAILS INTO THE WOOD. IF LEAVING J-CHANNELS LOOSE, BOW OUT ENDS AND SLIP SIDING INTO J-CHANNELS AND LOCK TOGETHER.

**DEDUCT ALTERNATE #1**  
REMOVE METAL ROOFING FROM BASE BID AND REPLACE FINISHED ROOFING MATERIAL WITH 30-YEAR ARCHITECTURAL ASPHALT SHINGLES. ALL ROOFING SYSTEM MATERIALS ARE TO BE THE SAME AS THE BASE BID INCLUDING SYNTHETIC UNDERLAYMENT, AND PRE-FINISHED FLASHING AROUND THE PERIMETER OF THE ROOF. FOLLOWING THE ASPHALT SHINGLE MANUFACTURER'S REQUIREMENTS FOR INSTALLATION. COLOR IS TO BE SELECTED BY OWNER FROM MANUFACTURER'S STANDARD COLORS.

**ELEVATION FINISHES**

-  SIDING - BOARD AND BATTEN SIDING BASIS OF DESIGN; LYNNRICH METAL SEAMLESS SIDING, 6" BOARD AND BATTEN
-  ROOFING - METAL STANDING SEAM 24 GA METAL, 2" RIB HEIGHT STANDING SEAM MECHANICAL LOCK, 14" PANELS

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MT FWP

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EXT. ELEVATIONS  
**A400**

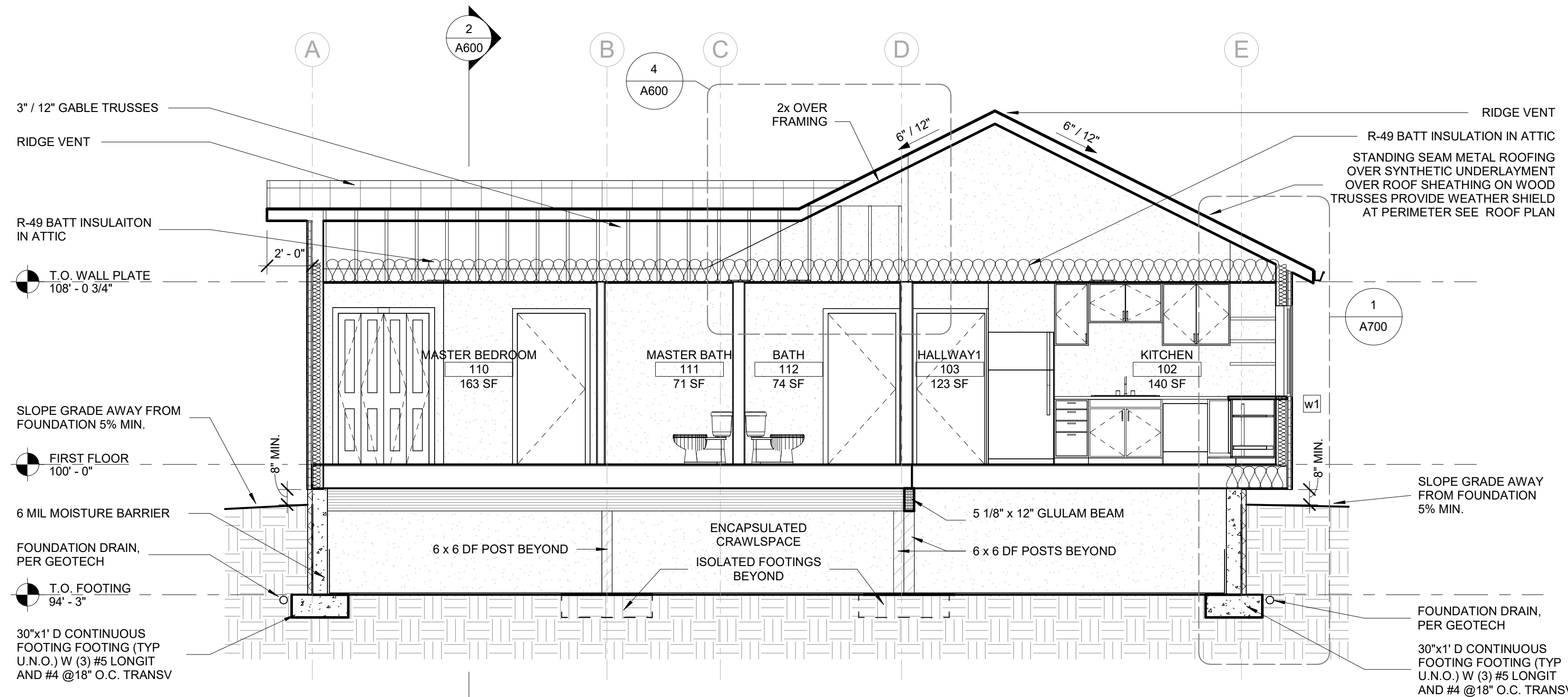
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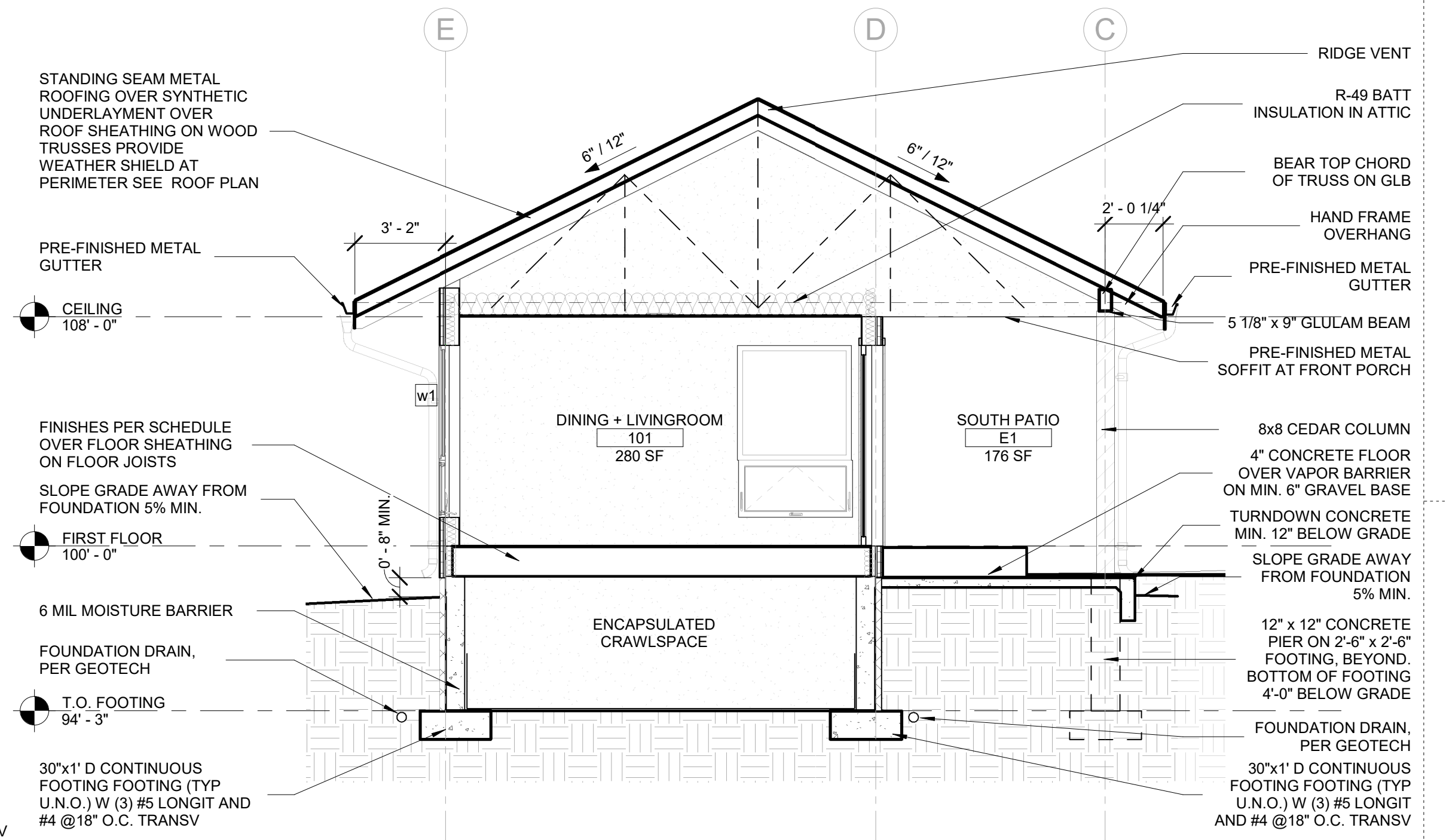
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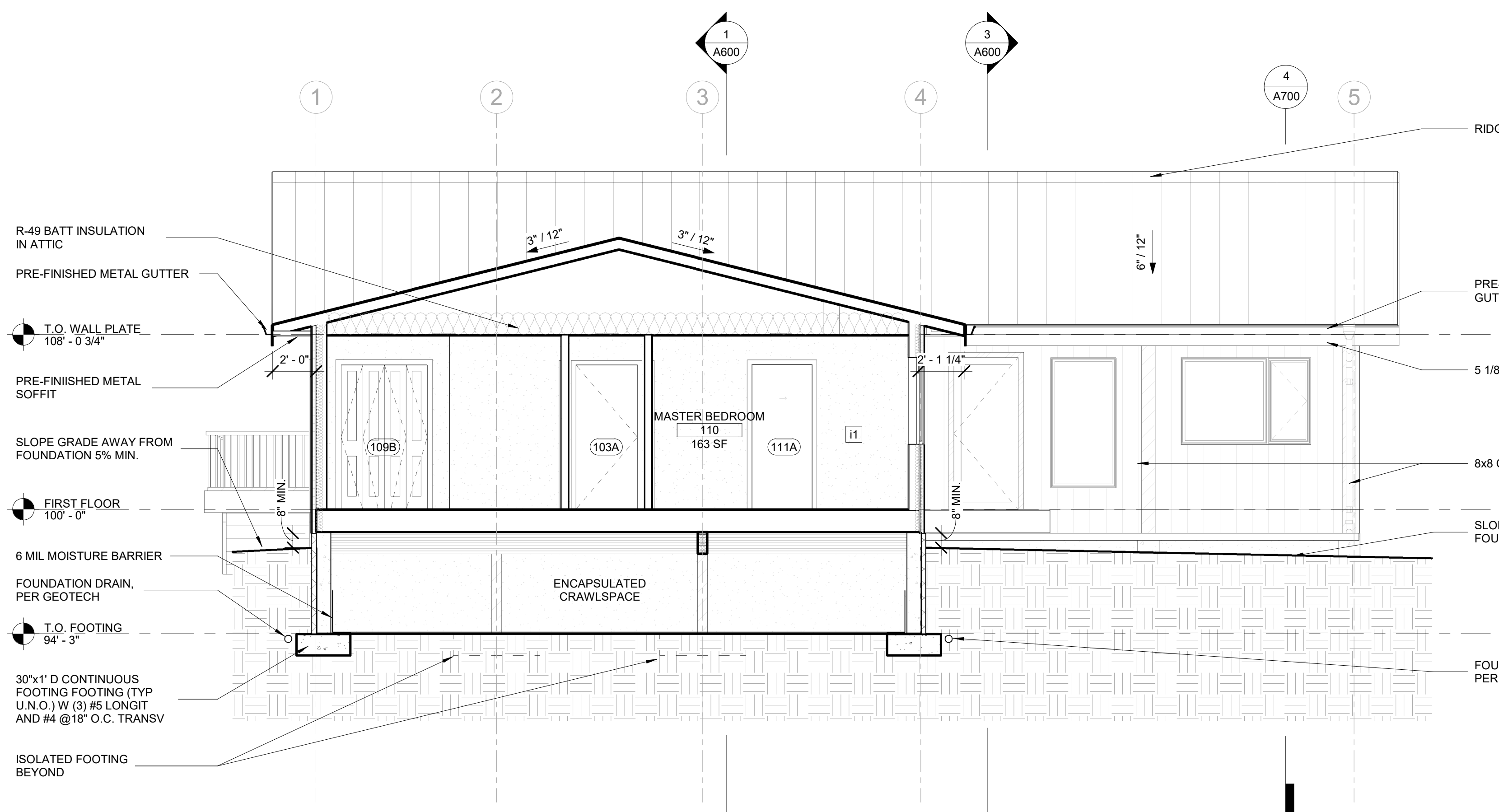
SECTIONS  
**A600**



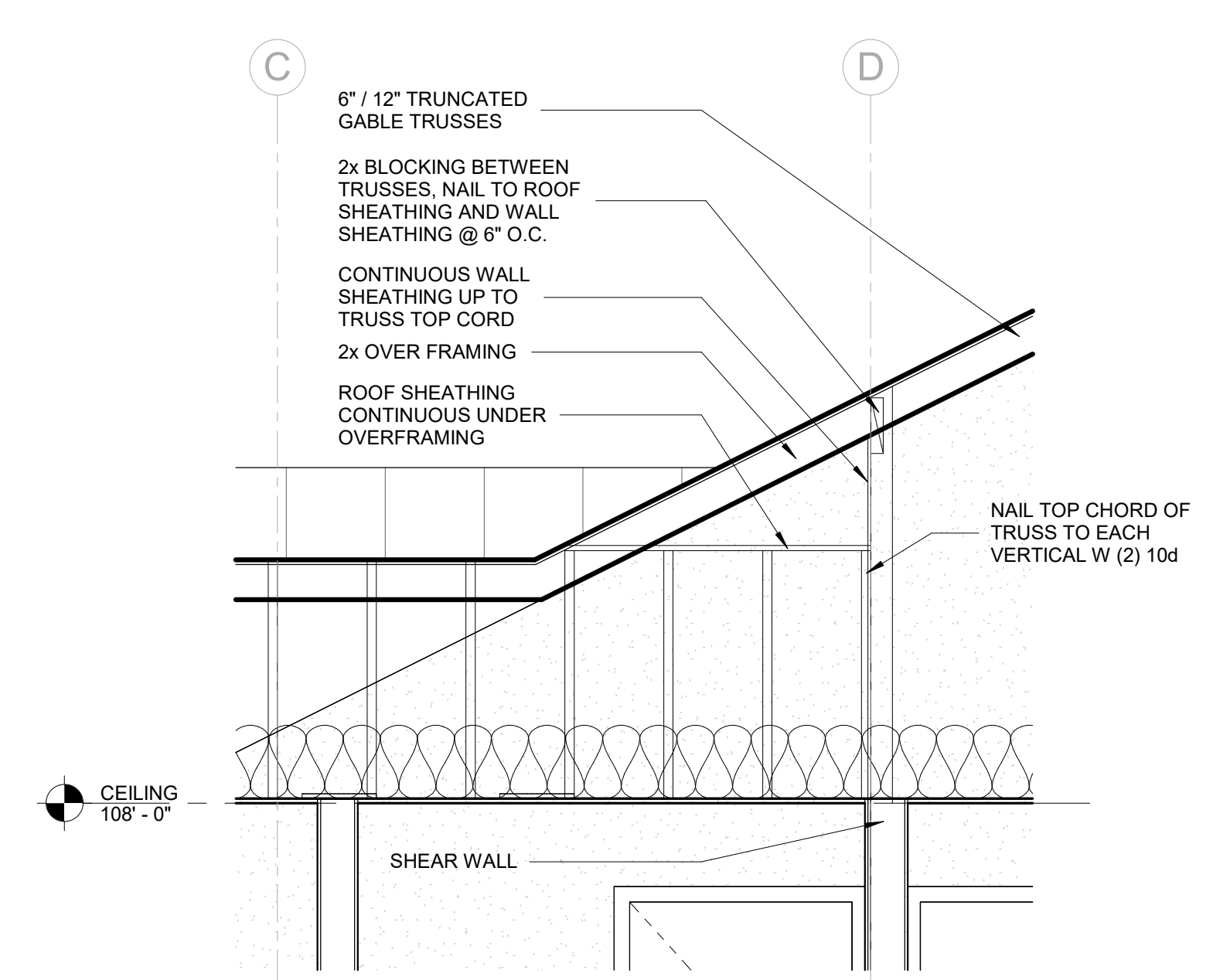
**1 SECTION - WEST/EAST**  
SCALE: 1/4" = 1'-0"



**3 SECTION WEST/EAST LIVINGROOM**  
SCALE: 1/4" = 1'-0"



**2 SECTION - NORTH/SOUTH BEDROOMS**  
SCALE: 1/4" = 1'-0"



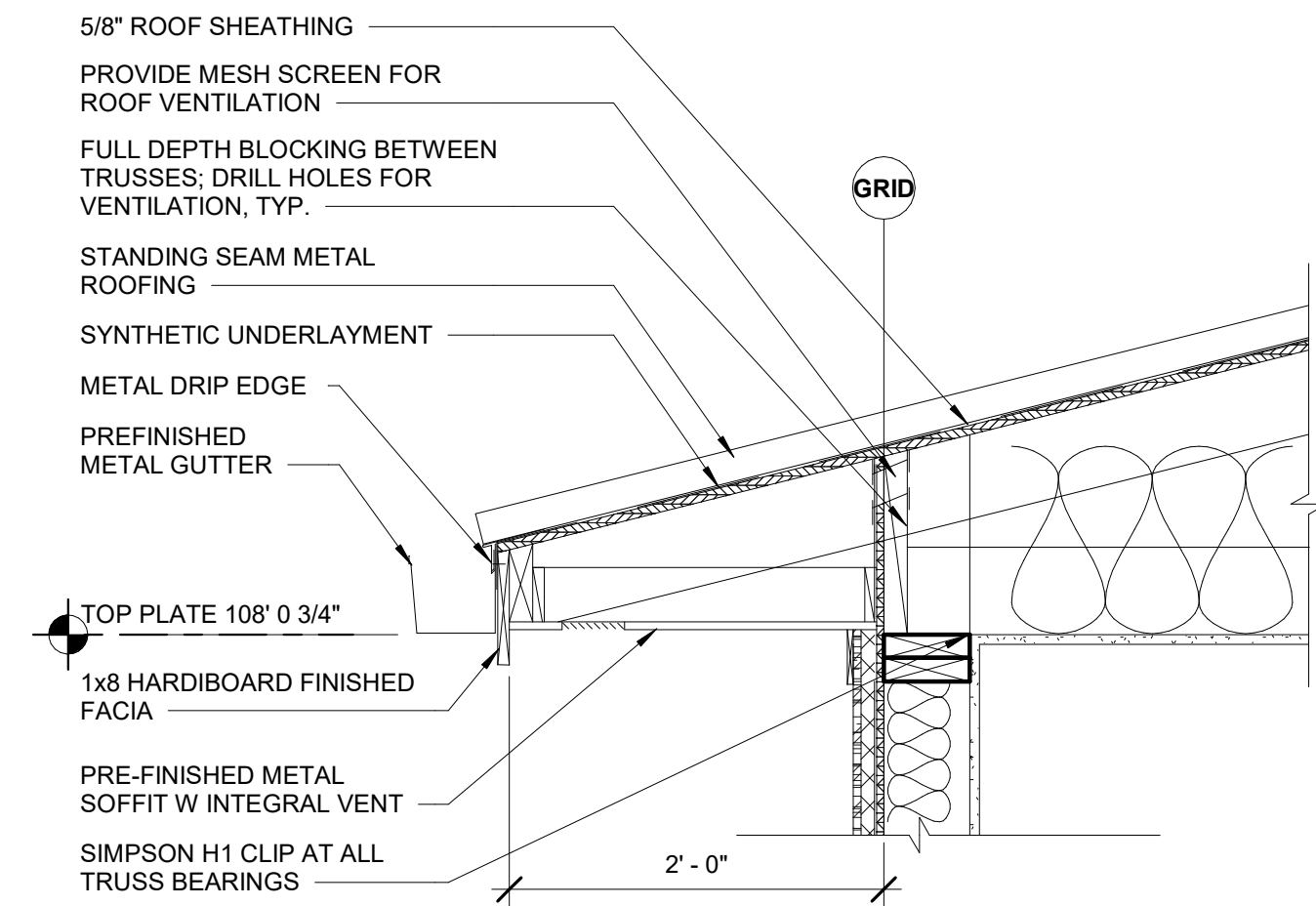
**4 OVERFRAMING**  
SCALE: 1/2" = 1'-0"

# FWP BIG SPRINGS RESIDENCE

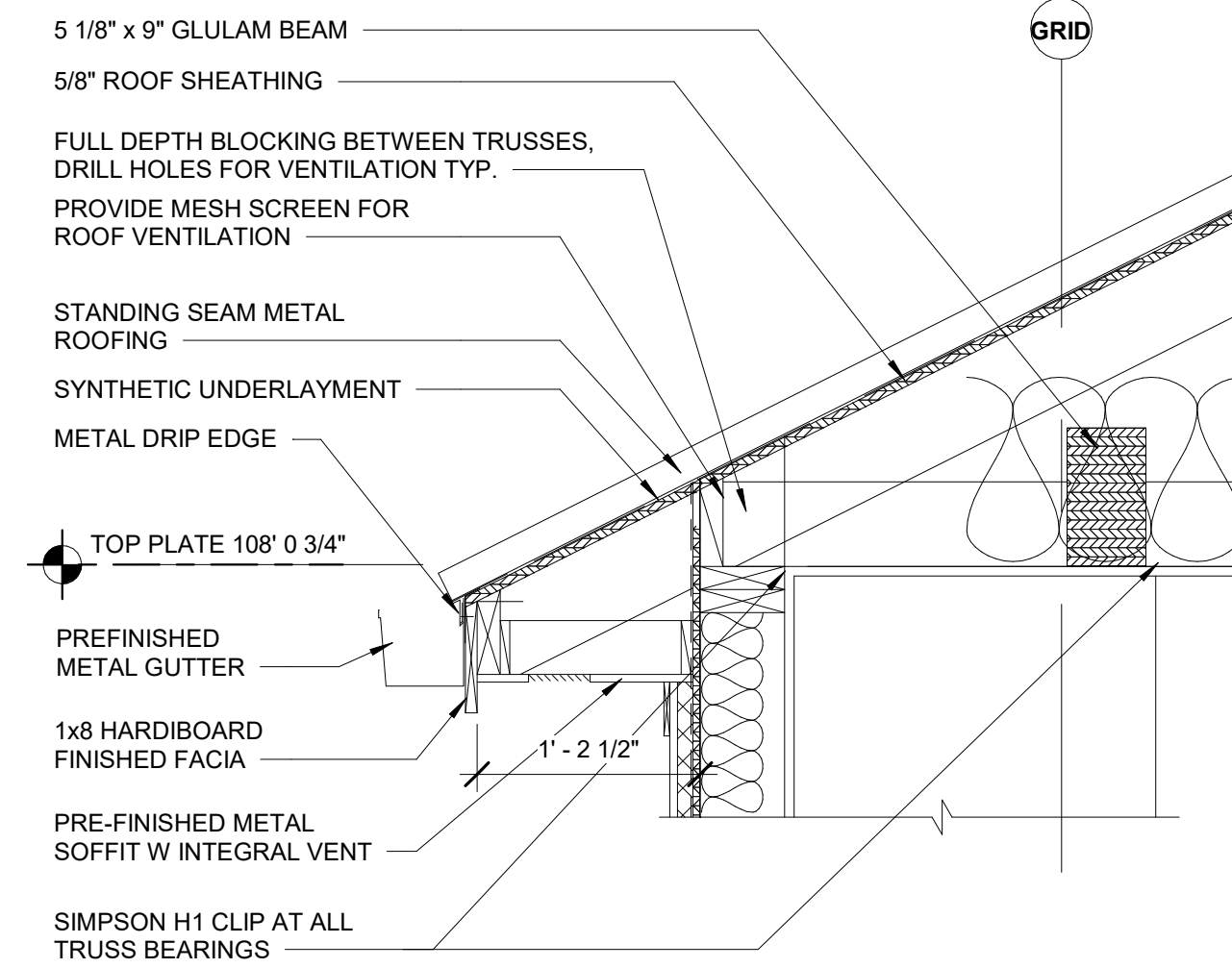
Δ DATE ISSUANCE  
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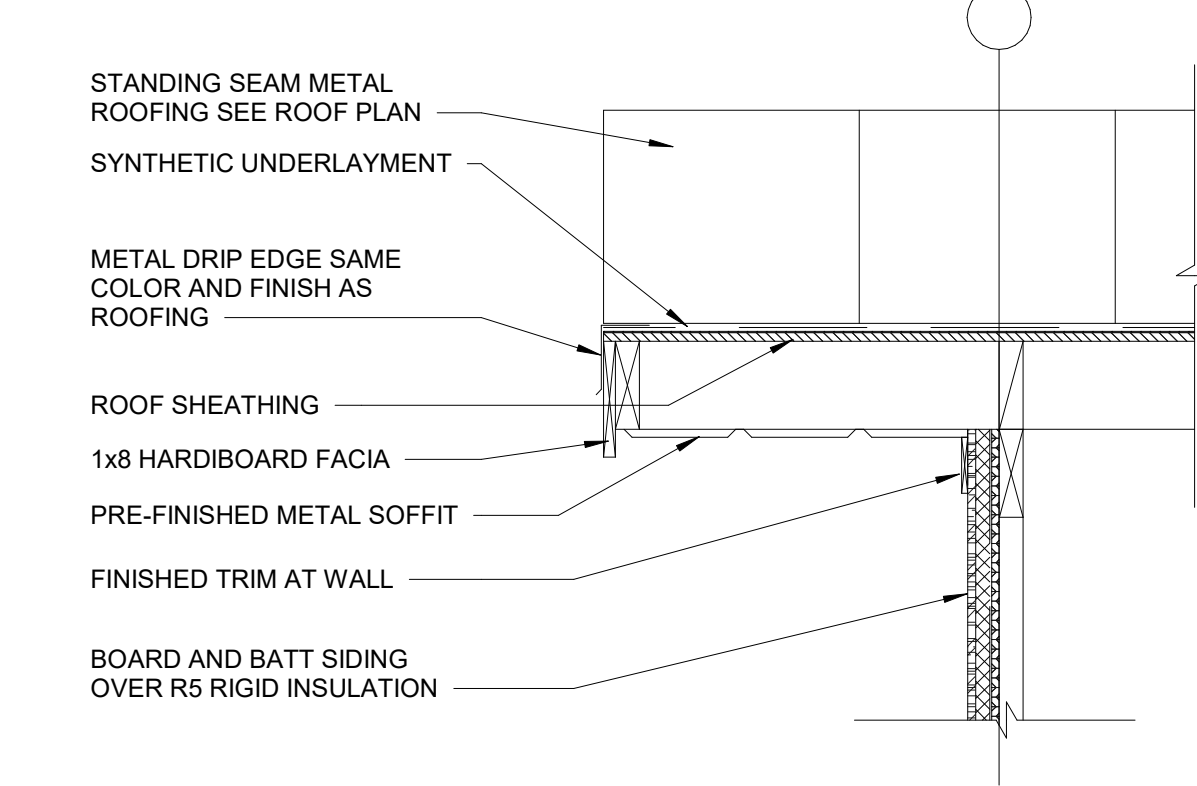
DETAILS  
**A700**



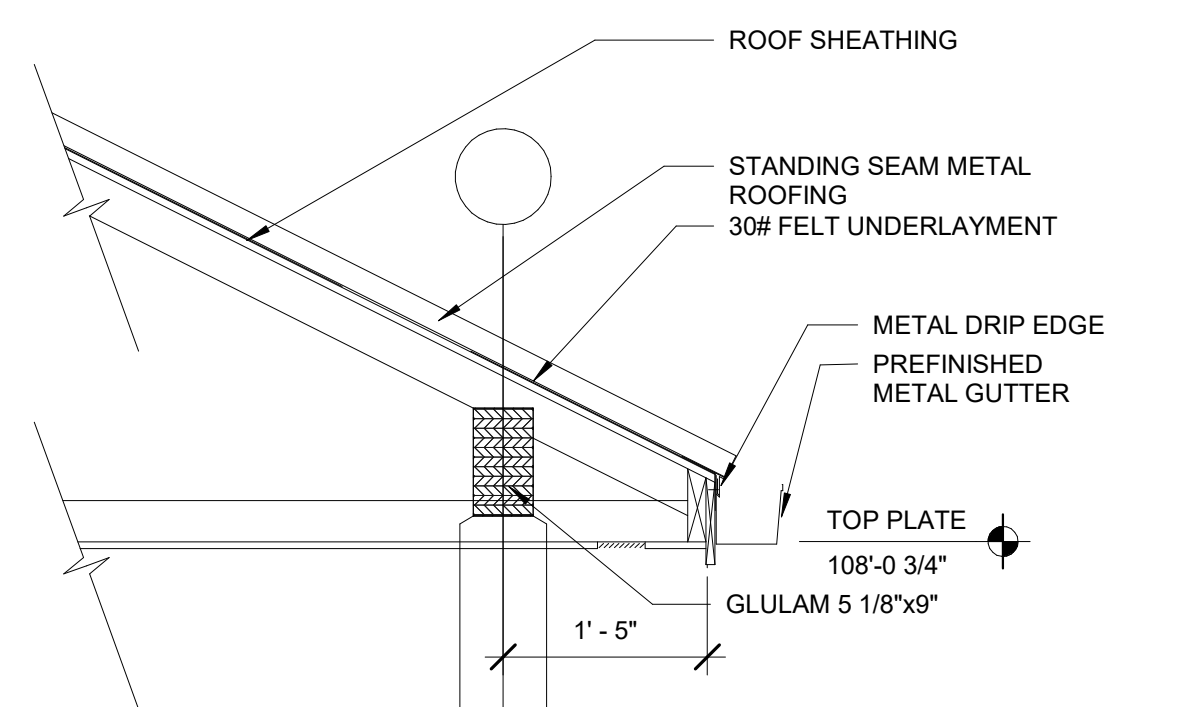
**5 D EAVE WEST**  
SCALE: 1" = 1'-0"



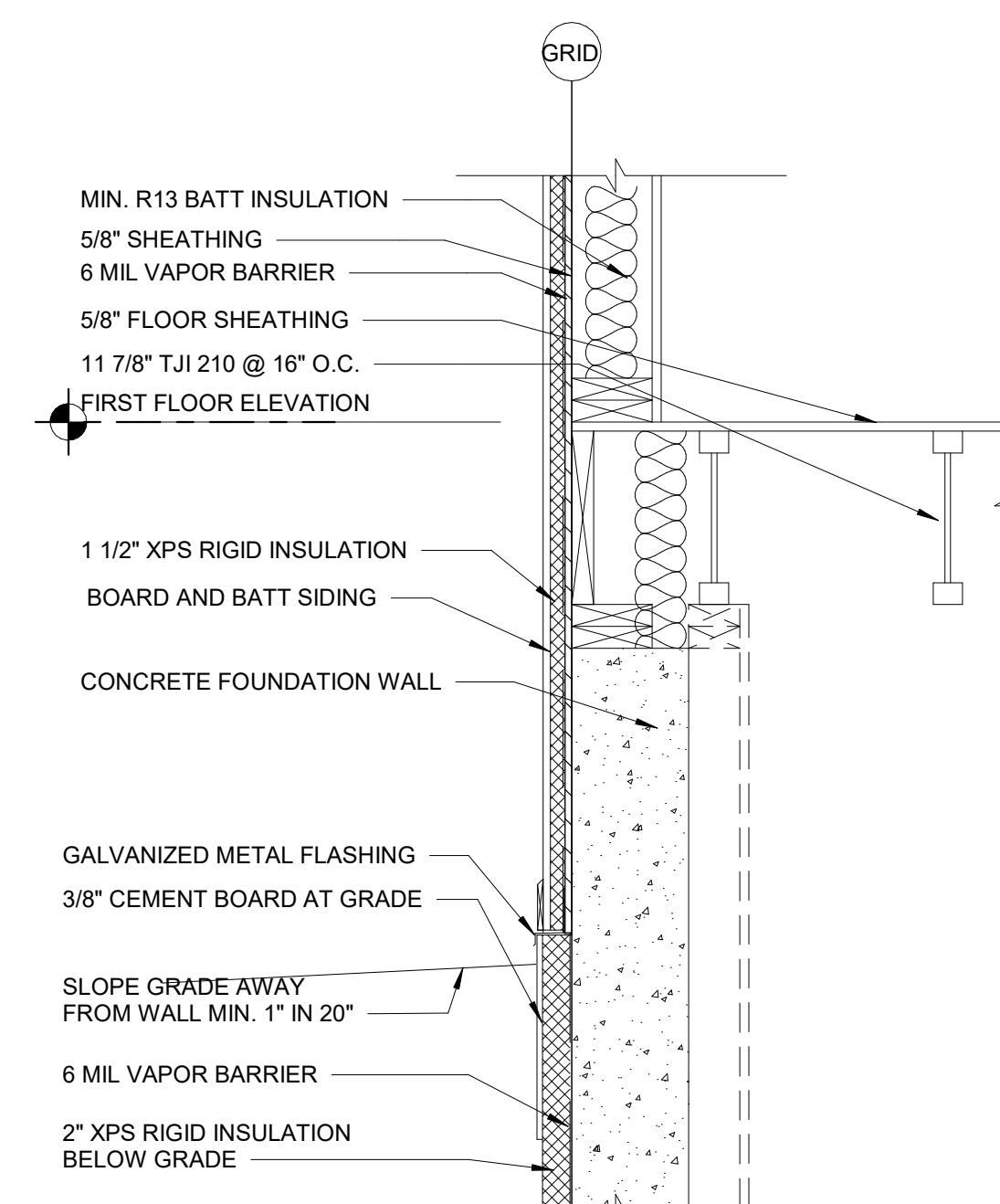
**7 D EAVE NORTH**  
SCALE: 1" = 1'-0"



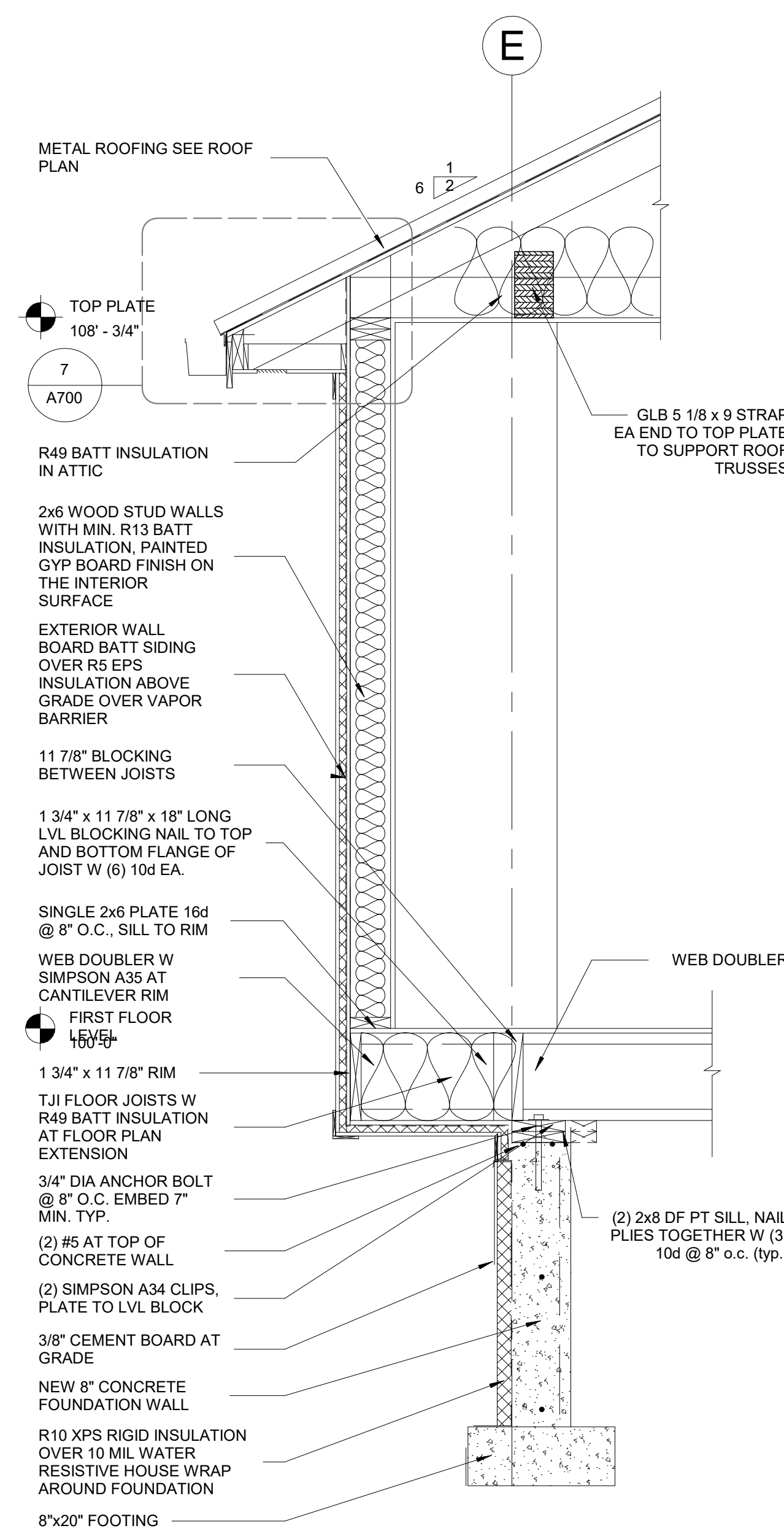
**8 D RAKE SOUTH**  
SCALE: 1" = 1'-0"



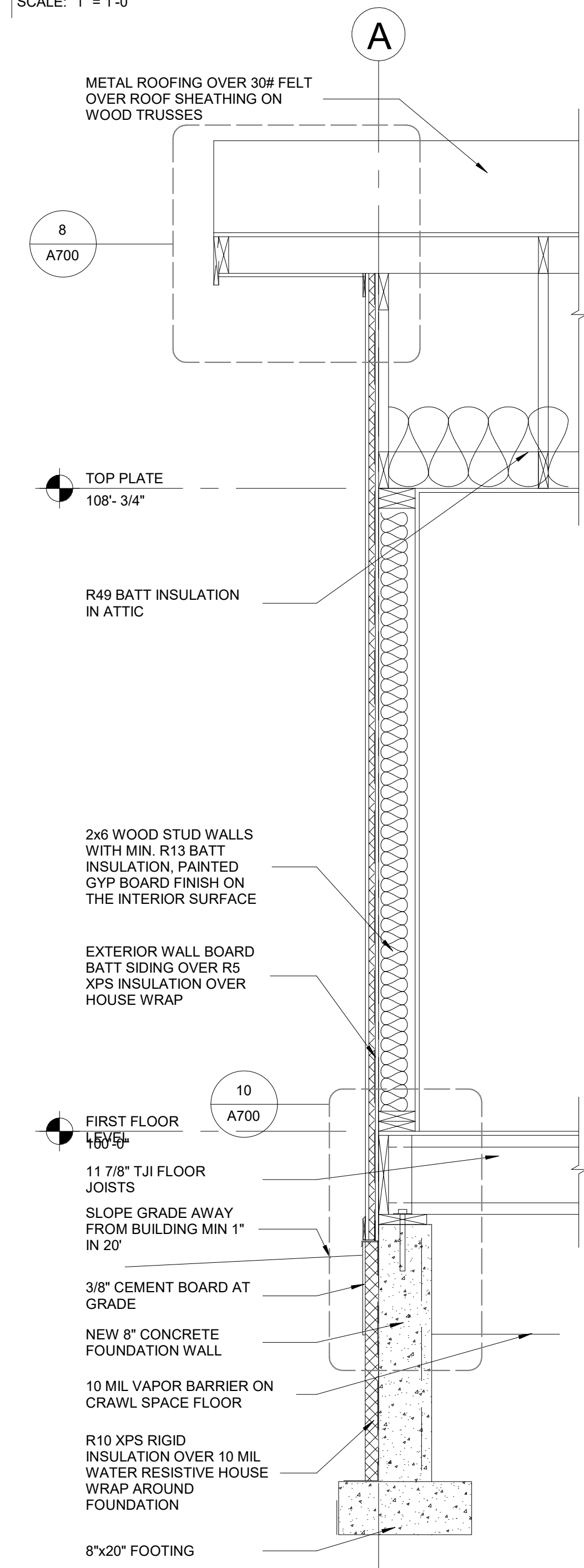
**4 D EXTERIOR COLUMN**  
SCALE: 3/4" = 1'-0"



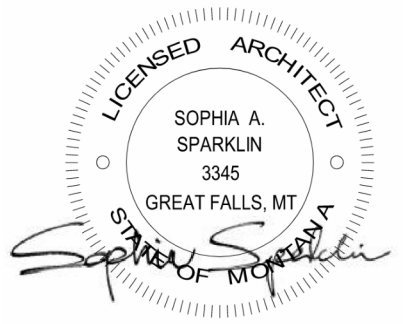
**10 D RIM 2**  
SCALE: 1" = 1'-0"



**1 NORTH WALL SECTION @ OVERHANG**  
SCALE: 3/4" = 1'-0"



**2 SOUTH WALL SECTION A**  
SCALE: 3/4" = 1'-0"



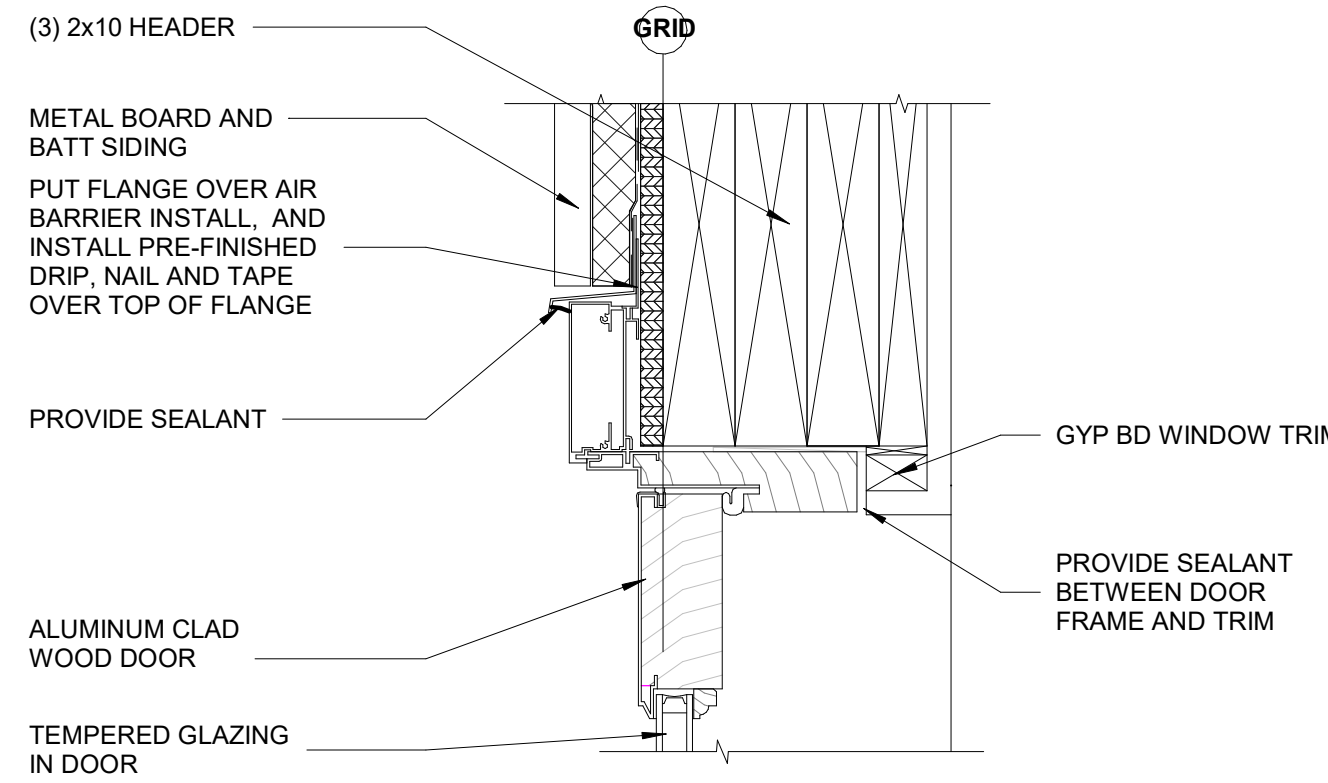
**DOOR GENERAL NOTES:**

- ALL DIMENSIONS SHALL BE FIELD VERIFIED.
- SWING INDICATION IS DIAGMATIC ONLY. SEE PLAN AND ELEVATION FOR ACTUAL SWING.
- GLAZING USED IN DOORS, GLAZING WITHIN 18" OF THE FLOOR AND WITHIN A 24" ARC OF A DOOR, AND GLAZING SUBJECT TO HUMAN IMPACT SHALL BE FULLY TEMPERED OR LAMINATED GLASS.
- ALL ENTRY DOORS TO HAVE U-FACTOR VALUE OF 0.77 OR BETTER.
- MATCH DOOR HARDWARE TO RATING AND ACCESSIBILITY REQUIREMENTS AS REQUIRED.
- ENTRY DOORS TO MATCH EXISTING ENTRY DOOR FINISH AND COLOR.
- INTERIOR DOORS AND FRAMES TO MATCH EXISTING ADJACENT INTERIOR DOORS FINISH AND COLOR, UNLESS NOTED OTHERWISE.
- AISLES LEADING TO REQUIRED EXITS SHALL HAVE A MINIMUM WIDTH OF 44". A WALKWAY WITH A MINIMUM WIDTH OF 44" SHALL BE MAINTAINED CONTINUOUSLY TO A PUBLIC WAY.
- EXTERIOR CONCRETE SLABS AT DOOR OPENINGS SHALL HAVE A MAXIMUM SLOPE OF 1/4" PER FOOT.

**HARDWARE SCHEDULE**

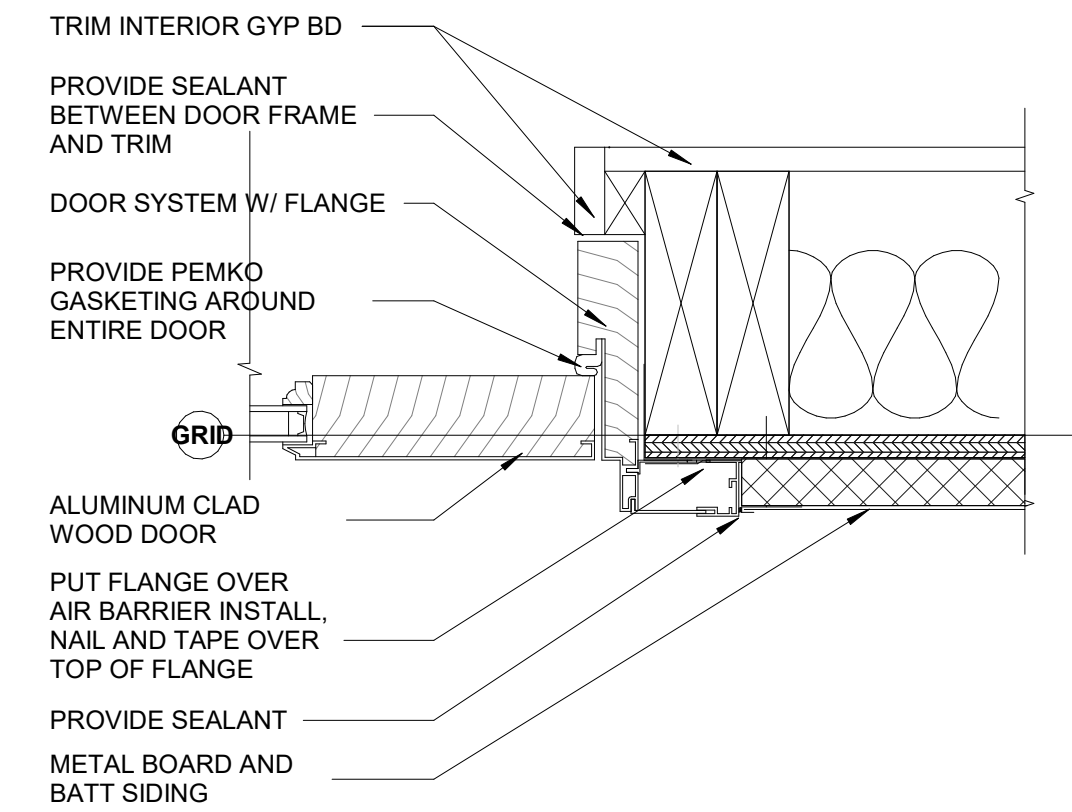
HARDWARE SET #	QUANTITY	FUNCTION	HINGES	HANDLES / PULLS	THRESHOLD	DOOR STOPS	GASKETING	NOTES:
1	3	ENTRY	MCKINNEY T2714 (3) PER DOOR	SCHLAGE F60 CAM, ACC SATIN NICKEL	(3) PEMKO 158 ALUM	ROCKWOOD 518 - US26D	PEMKO AM 88	ENTRANCE HANDLES
2	4	PRIVACY	MCKINNEY T2714 (3) PER DOOR	SCHLAGE F40 ACC SATIN NICKEL	-	ROCKWOOD 518 - US26D	-	-
3	3	PASSAGE	MCKINNEY T2714 (3) PER DOOR	SCHLAGE F10 ACC SATIN NICKEL	-	ROCKWOOD 518 - US26D	-	-
4	2	SLIDING	JOHNSON 1060 POCKET DOOR	PRIME-LINE SATIN NICKEL W LOCKING	-	-	-	-
5	6	BI FOLD	JOHNSON 111FD	PRIME-LINE KNOB SATIN NICKEL	-	-	-	-

HARDWARE NOTES:  
1) THE ABOVE HARDWARE IS BASIS OF DESIGN  
2) REVIEW BI FOLD DOOR SIZES PROVIDE THE CORRECT HARDWARE SETS FOR THE SIZE OF DOOR NOTED ON THE DRAWINGS



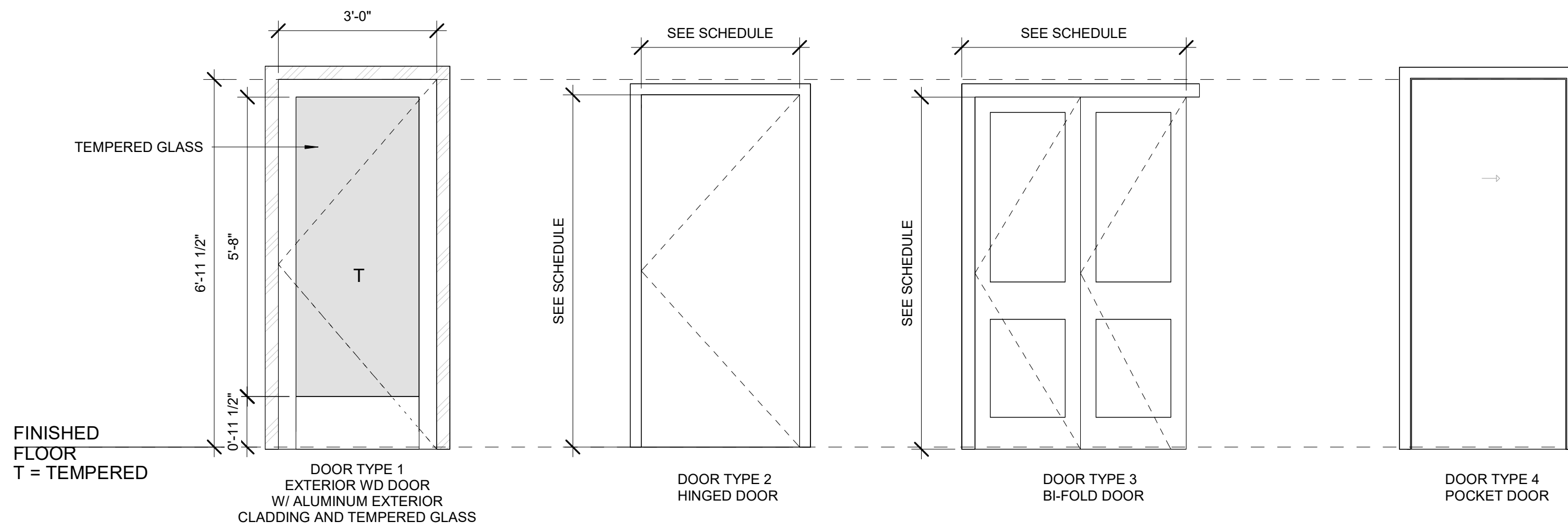
**1 EXTERIOR DOOR HEAD**

SCALE: 3" = 1'-0"



**2 EXTERIOR DOOR JAMB**

SCALE: 3" = 1'-0"



**DOOR LEGEND**

SCALE: 1/2" = 1'-0"

**DOOR SCHEDULE**

MARK	ROOM	TYPE	DOOR WIDTH	DOOR HEIGHT	DOOR THICKNESS	DOOR GLAZING	FRAME MATERIAL	Construction Type	DOOR Material	HARDWARE	COMMENTS
101A	DINING + LIVINGROOM	1	3' - 0"	7' - 0"	2"	Y	WD/ALUM	SOLID CORE	WD/ALUM	1	EXTERIOR DOOR INTO FIRST FLOOR
103A	HALLWAY1	2	3' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	3	
104A	HALLWAY1	2	2' - 10"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	3	
105F	BEDROOM 2	3	2' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	5	BI-FOLD
105H	BEDROOM 1	3	2' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	5	BI-FOLD
105K	MASTER BEDROOM	2	2' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	5	DOUBLE BI-FOLD
107A	HALLWAY 2	1	2' - 9"	6' - 8"	2"	Y	WD/ALUM	SOLID CORE	WD/ALUM	1	
107B	HALLWAY 2	2	3' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	3	
108A	BEDROOM 1	2	3' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	2	HINGED
108B	BEDROOM 1	3	4' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	5	BI-FOLD
109A	BEDROOM 2	2	3' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	2	HINGED
109B	BEDROOM 2	3	2' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	5	DOUBLE BI-FOLD
110A	MASTER BEDROOM	2	3' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	2	HINGED
110B	MASTER BEDROOM	4	2' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	5	BI-FOLD
111A	MASTER BATH	4	2' - 10"	6' - 8"	1 3/8"	N/A	WD	HOLLOW CORE	WD	4	POCKET DOOR
112A	BATH	2	3' - 0"	6' - 8"	1 1/2"	N/A	WD	HOLLOW CORE	WD	2	HINGED

**FWP BIG SPRINGS RESIDENCE**

2035 Fish Hatchery Rd  
Lewistown, MT 59457

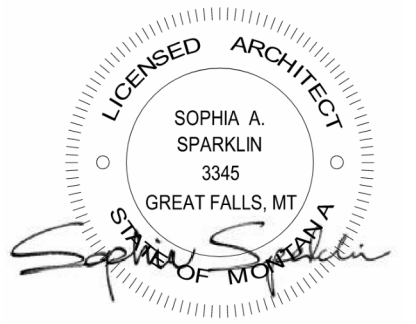
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DOOR SCHEDULES

**A800**





# FWP BIG SPRINGS RESIDENCE

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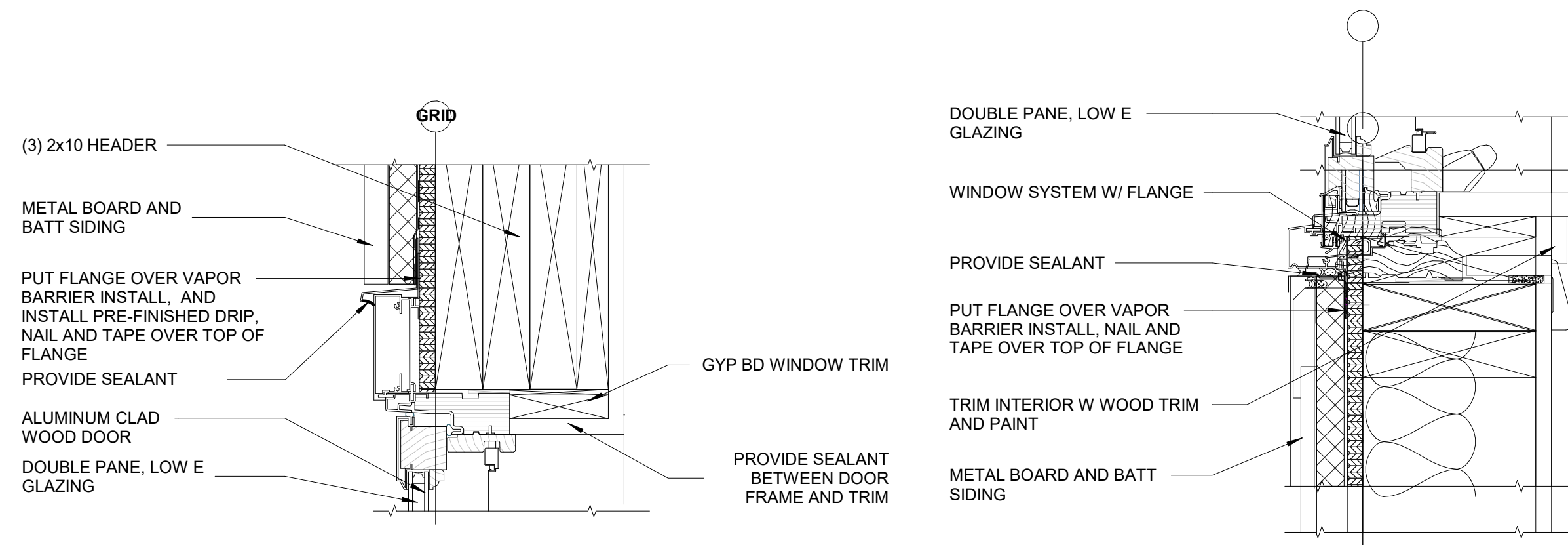
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WINDOW SCHEDULE

**A801**

**WINDOW GENERAL NOTES:**

1. ALL DIMENSIONS SHALL BE FIELD VERIFIED.
2. SWING INDICATION IS DIAGMATIC ONLY. SEE PLAN AND ELEVATION FOR ACTUAL SWING.
3. GLAZING USED IN DOORS, GLAZING WITHIN 18" OF THE FLOOR AND WITHIN A 24" ARC OF A DOOR, AND GLAZING SUBJECT TO HUMAN IMPACT SHALL BE FULLY TEMPERED OR LAMINATED GLASS.
4. ALL ENTRY DOORS TO HAVE U-FACTOR VALUE OF 0.77 OR BETTER.
5. MATCH DOOR HARDWARE TO RATING AND ACCESSIBILITY REQUIREMENTS AS REQUIRED.
6. ENTRY DOORS TO MATCH EXISTING ENTRY DOOR FINISH AND COLOR.
7. INTERIOR DOORS AND FRAMES TO MATCH EXISTING ADJACENT INTERIOR DOORS FINISH AND COLOR, UNLESS NOTED OTHERWISE.
8. AISLES LEADING TO REQUIRED EXITS SHALL HAVE A MINIMUM WIDTH OF 44". A WALKWAY WITH A MINIMUM WIDTH OF 44" SHALL BE MAINTAINED CONTINUOUSLY TO A PUBLIC WAY.
9. EXTERIOR CONCRETE SLABS AT DOOR OPENINGS SHALL HAVE A MAXIMUM SLOPE OF 1/4" PER FOOT.

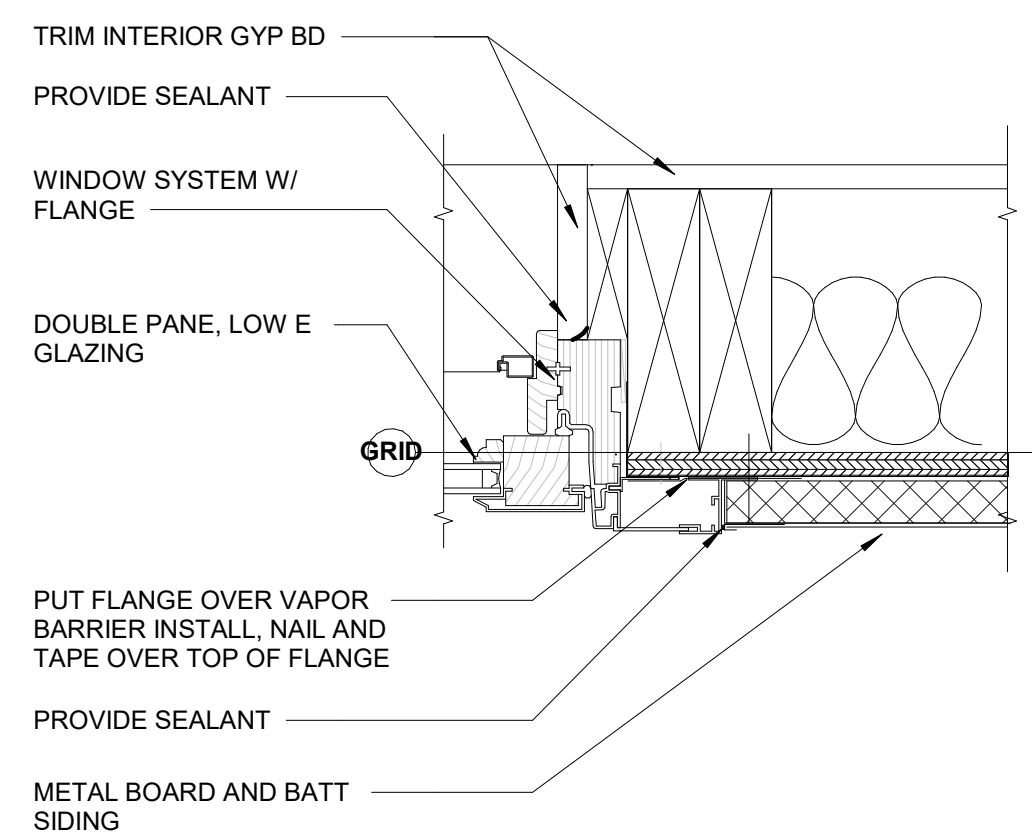


**1 WINDOW HEAD**

SCALE: 3" = 1'-0"

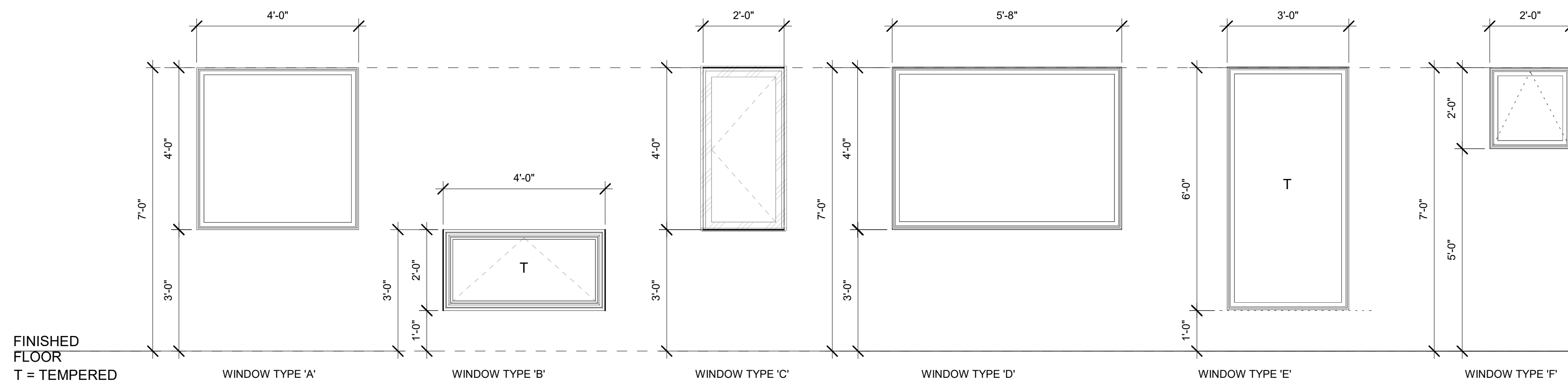
**3 WINDOW SILL**

SCALE: 3" = 1'-0"



**2 WINDOW JAMB**

SCALE: 3" = 1'-0"



FINISHED FLOOR  
T = TEMPERED

**WINDOW LEGEND**

SCALE: 1/2" = 1'-0"

**NOTE:**

1. ALL GLASS WITHIN 18" OF FINISH FLOOR AND 24" FROM DOORS SHALL BE SAFETY GLASS PER IBC SECTION 2406.3.
2. ALL WINDOWS ALUM FRAMES W/ DOUBLE-PANE GLASS.
3. BASES OF WINDOW DESIGN ANDERSEN E SRIES WINDOWS, E-SERIES WINDOW PRODUCTS ARE EXTRUDED ALUMINUM CLAD WOOD

**WINDOW SCHEDULE**

MARK	TYPE	COUNT	WIDTH	HEIGHT	SILL HEIGHT	REMARKS
A	48" x 48"	8	4' - 0"	4' - 0"	3' - 0"	<varies>
B	24" x 48"	4	4' - 0"	2' - 0"	1' - 0"	<varies>
C	24" x 48"	10	2' - 0"	4' - 0"	3' - 0"	CASEMENT WINDOW
D	48" x 72"	1	5' - 8"	4' - 0"	3' - 0"	PICTURE WINDOW
E	72" x 36"	1	3' - 0"	6' - 0"	1' - 0"	PICTURE WINDOW
F	24" x 24"	2	2' - 0"	2' - 0"	5' - 0"	AWNING WINDOW