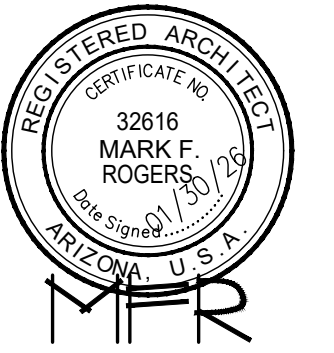


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REVIEWED FOR DESIGN CRITERIA ONLY
 SEE ATTACHED COVER SHEET FOR ALL STAMPS. IT IS THE RESPONSIBILITY OF THE OWNER/APPLICANT TO REVIEW AND ACKNOWLEDGE APPLICABLE STAMPS.

HOME OF MY OWN Phase Two Single-Family Housing ONE BEDROOM / ONE BATH - RIGHT PARKING

for

YAVAPAI COUNTY, ARIZONA 1015 Fair Street Prescott, Arizona

Mark Rogers, Architect, PLLC

761 Highland Circle
 ♦ ♦ ♦ Chino Valley, Arizona 86323
 Phone: (928) 848-3516
 markrogers914@gmail.com

COVER SHEET
 PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

1015 FAIR STREET
 PRESCOTT, ARIZONA

SHEET NO:

CS

INDEX TO DRAWINGS

CS	COVER SHEET W/ PROJECT INFORMATION
A-1.0	FLOOR PLANS / OPENING SCHEDULES
A-2.0	FOUNDATION PLANS
A-3.0	ROOF FRAMING PLANS
A-4.0	BRACE WALL PLANS
A-5.0	EXTERIOR ELEVATIONS
A-6.0	BUILDING SECTIONS
A-7.0	DETAILS
M-1	MECHANICAL
E-1	ELECTRICAL

BE ADVISED: ALTERATIONS OR MODIFICATIONS TO PLANS WILL NOT BE ACCEPTED (BEFORE OR DURING CONSTRUCTION) - NO EXCEPTIONS. IF CHANGES ARE MADE, THE ORIGINAL PERMIT WILL BE VOIDED AND A NEW CUSTOM HOME PERMIT WITH NEW PLANS ARE REQUIRED. THE NEW PERMIT WILL BE PROCESSED AS A CUSTOM HOME AND IS SUBJECT TO ALL APPLICABLE FEES AND PROCESSING TIMES (REDUCED FEES AND REVIEW TIMES WILL NO LONGER APPLY).

PROJECT INFORMATION

ALL WORK SHALL CONFORM TO ALL YAVAPAI COUNTY ADOPTED CODES, ORDINANCES AND POLICIES, INCLUDING BUT NOT LIMITED TO THE FOLLOWING:
 2024 INTERNATIONAL RESIDENTIAL CODE (IRC)
 2024 INTERNATIONAL PLUMBING CODE (IPC)
 2024 INTERNATIONAL MECHANICAL CODE (IMC)
 2023 NATIONAL ELECTRIC CODE (NEC)
 2012 INTERNATIONAL ENERGY CONSERVATION CODE (IECC)

LIVABLE: 576 SQ. FT.
 CARPORT/ALT. GARAGE: 257 SQ. FT.
 COVERED ENTRY: 96 SQ. FT.
 TOTAL UNDER ROOF: 929 SQ. FT.

OPTION WITHOUT GARAGE, OR CARPORT:
 LIVABLE: 576 SQ. FT.
 COVERED ENTRY: 96 SQ. FT.
 TOTAL UNDER ROOF: 672 SQ. FT.

OCCUPANCY: R-3 (Single-Family Residential)
 CONSTRUCTION TYPE: V-B

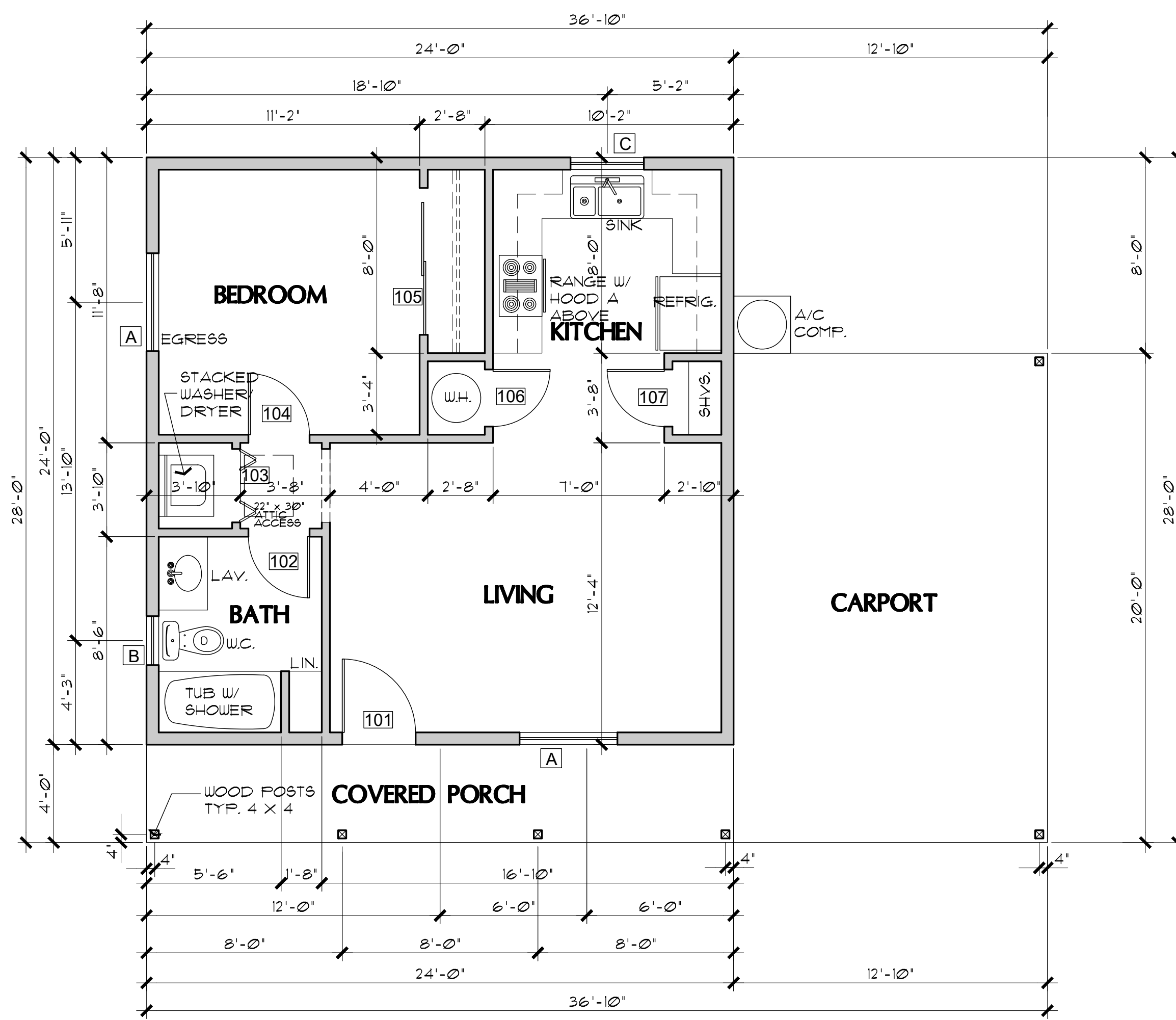
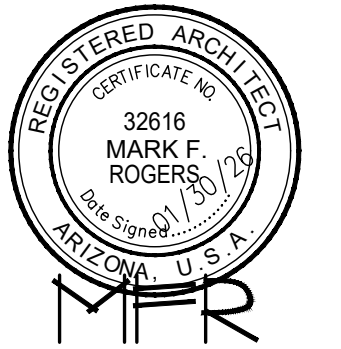
THESE HOMES WERE DESIGNED FOR A MAXIMUM 40 PSF SNOW LOAD. THEY WERE NOT DESIGNED FOR A TILE ROOF.

GENERAL NOTES

1. DUE TO REPROGRAPHIC PROCESS, THESE PLANS MAY NOT BE ACCURATE TO SCALE. DIMENSIONS ARE NOT TO BE SCALED FROM THE WORKING DRAWINGS.
2. BEFORE ORDERING ANY MATERIALS OR STARTING ANY WORK, CONTRACTORS SHALL VERIFY ALL MEASUREMENTS AND EXISTING CONDITIONS AT THE SITE AND SHALL BE RESPONSIBLE FOR THE CORRECTNESS OF THE SAME. ANY DEVIATION AND/OR UNSAFE OR UNREGULATED CONDITIONS SHALL BE BROUGHT TO THE ATTENTION OF YAVAPAI COUNTY DEVELOPMENT SERVICES.
3. GENERAL CONTRACTOR TO VERIFY AND LOCATE ALL UTILITY STUBS OUTS AND MAINS BEFORE BEGINNING CONSTRUCTION OF PROJECT.
4. GENERAL CONTRACTOR TO VERIFY THE REMOVAL AND/OR REPLANTING OF LANDSCAPE IF THE CONDITION OCCURS OVER THE PROJECT SITE.
5. DAMAGE TO SITE, UTILITIES, OR NEWLY BUILT IMPROVEMENTS, NOT DESIGNED FOR REMOVAL, SHALL BE THE RESPONSIBILITY OF THE GENERAL CONTRACTOR INVOLVED, AND SHALL BE REPAIRED OR REPLACED AT THE EXPENSE OF THE SAME.
6. VERIFY UNIFORMITY OF ALL FRAMING SO AS TO CREATE A SMOOTH, REGULAR FINISH WITH NO IRREGULARITIES.
7. IT IS THE RESPONSIBILITY OF THE GENERAL CONTRACTOR TO THOROUGHLY REVIEW THE PLANS AND TO NOTIFY YAVAPAI COUNTY DEVELOPMENT SERVICES OF ANY DISCREPANCIES. YAVAPAI COUNTY NOR THE ARCHITECT-OF-RECORD, WILL NOT BE RESPONSIBLE FOR MATERIALS IMPROPERLY ORDERED OR INSTALLED.
8. FAILURE BY THE GENERAL CONTRACTOR OR SUB-CONTRACTORS TO ACQUAINT THEMSELVES WITH ALL AVAILABLE INFORMATION CONCERNING THIS PROJECT SHALL NOT RELIEVE THEM OF THE RESPONSIBILITY TO PERFORM THEIR WORK PROPERLY.
9. APPROVAL OF ALL CONSTRUCTION IS SUBJECT TO FIELD VERIFICATION BY YAVAPAI COUNTY PERSONNEL.
10. EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE (1) OPERATING WINDOW OR DOOR FOR EMERGENCY EGRESS, OPEN DIRECTLY TO A STREET, ALLEY, OR YARD.

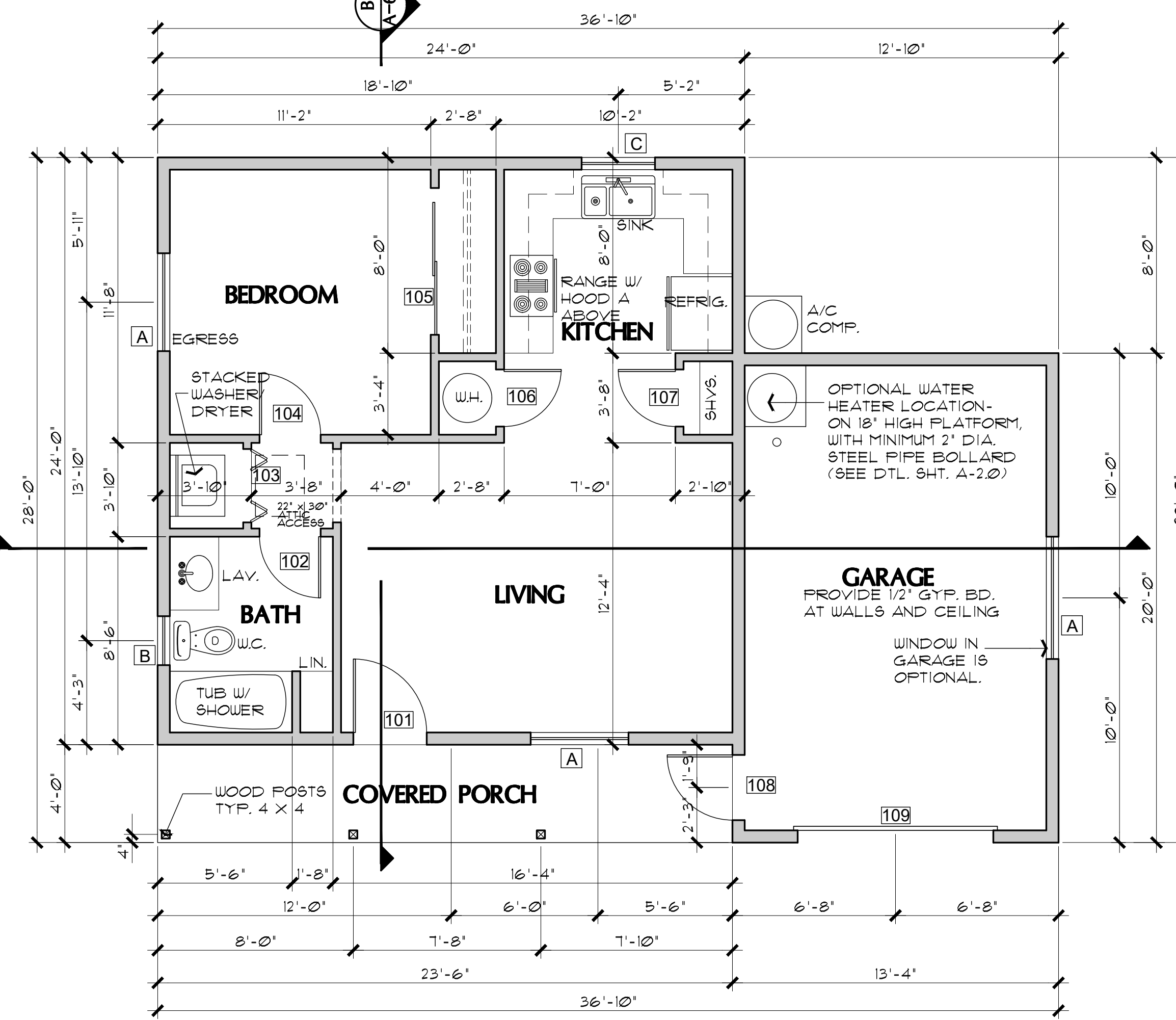
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FLOOR PLAN (with Carport option)

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



FLOOR PLAN (with Garage option)

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

DOOR SCHEDULE

DR. #	SIZE W.	H.	T.	DOOR TYPE	REMARKS
101	3'-0"	6'-8"	1-3/4"	SOLID-CORE WOOD	
102	2'-6"	6'-8"	1-3/8"	INTERIOR HOLLOW CORE	
103	3'-0"	6'-8"	1-1/8"	INTERIOR BI-FOLD	
104	2'-8"	6'-8"	1-3/8"	INTERIOR HOLLOW CORE	
105	6'-0"	6'-8"	1-3/8"	SLIDING BI-PASS	
106	2'-4"	6'-8"	1-3/8"	INTERIOR HOLLOW CORE	IF USING GAS WATER HEATER, PROVIDE 12" X 12" VENTS, ONE AT THE TOP, AND BOTTOM OF DOOR
107	2'-6"	6'-8"	1-3/8"	INTERIOR HOLLOW CORE	
108	3'-0"	6'-8"	1-3/4"	SOLID-CORE WOOD	
109	8'-0"	7'-0"	-	OVERHEAD GARAGE DOOR	

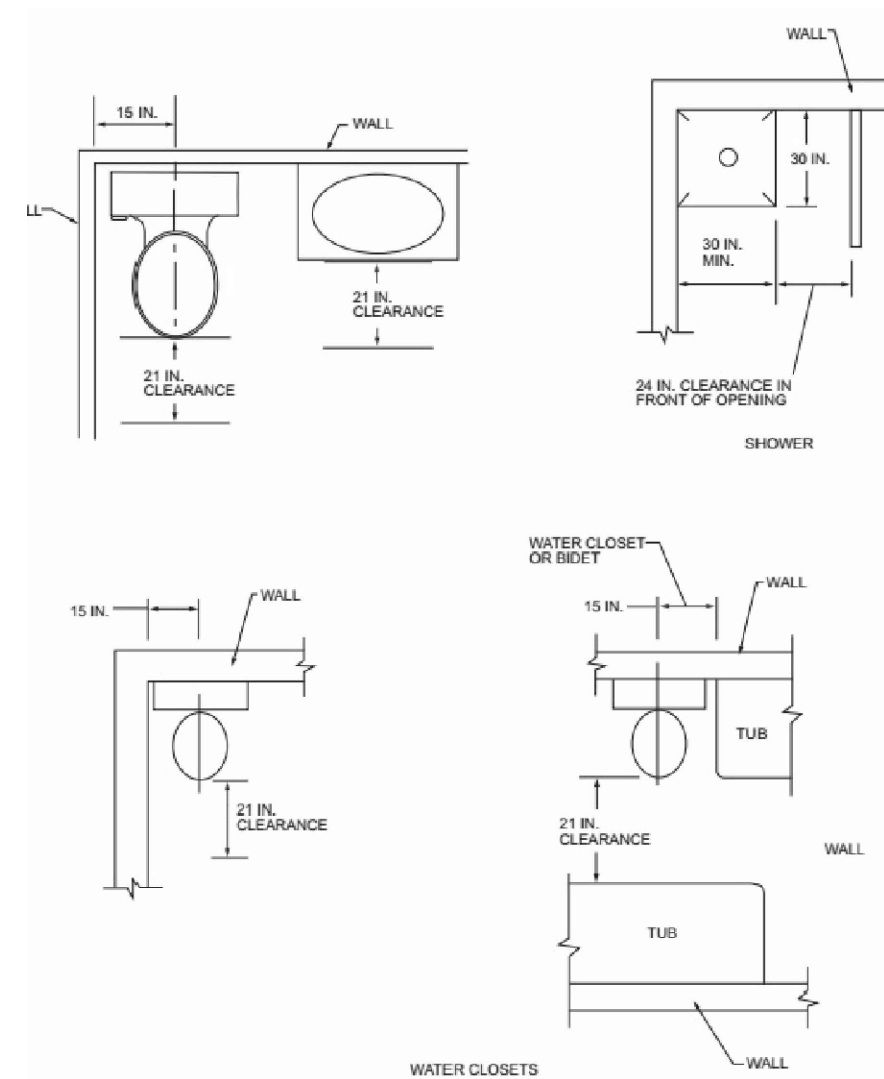
WINDOW SCHEDULE (8' plate height - 6'-8" HDR)

WIN.	SIZE	TYPE	REMARKS
A	4040	XO	EGRESS AT BEDROOM
B	2030	SINGLE HUNG TEMPERED	
C	3030	XO	

REVIEWED FOR DESIGN CRITERIA ONLY
 SEE ATTACHED COVER SHEET FOR ALL STAMPS. IT IS THE RESPONSIBILITY OF THE OWNER/APPLICANT TO REVIEW AND ACKNOWLEDGE APPLICABLE STAMPS.

WINDOW SCHEDULE (9' plate height - 8'-0" HDR)

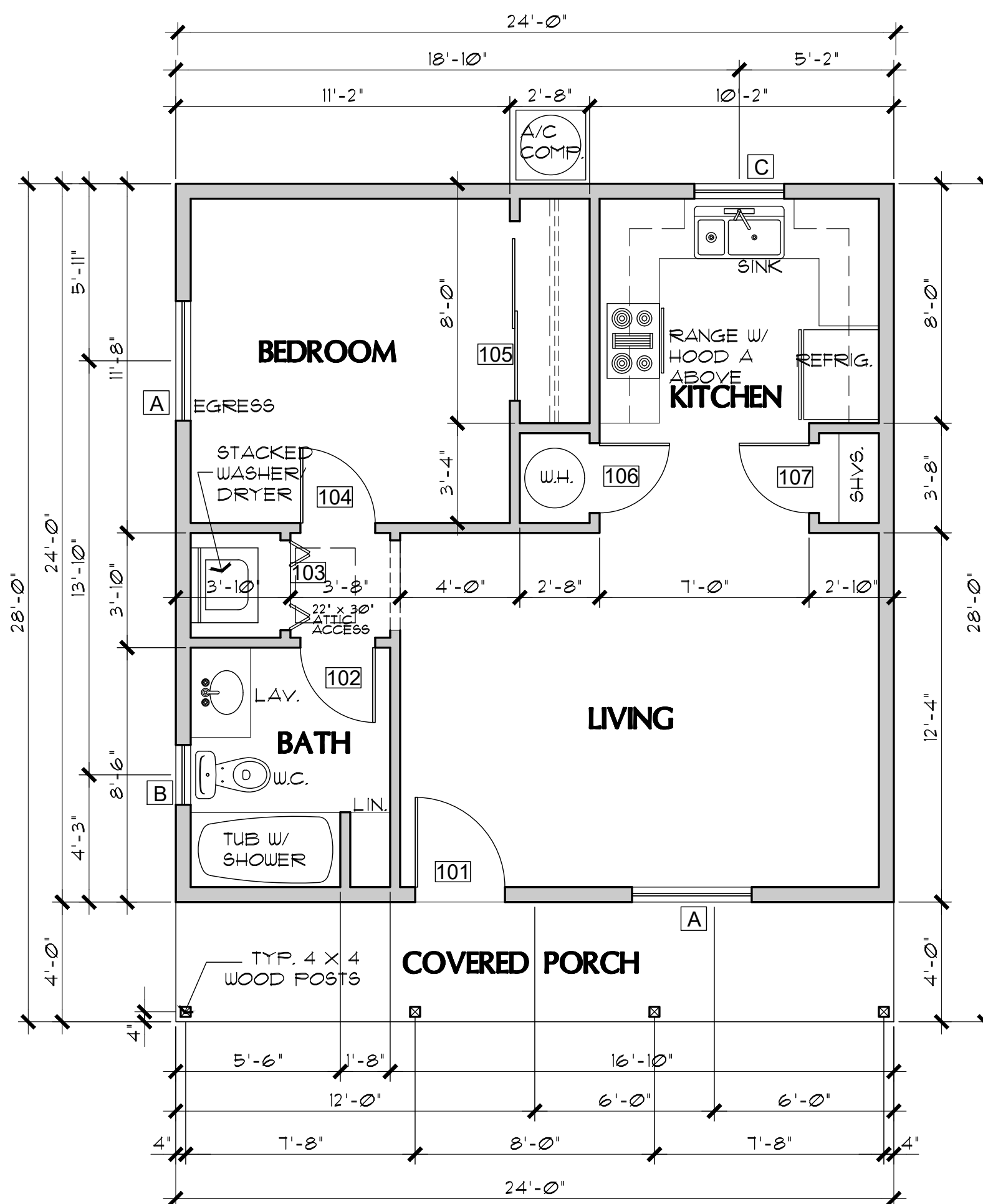
WIN.	SIZE	TYPE	REMARKS
A	4050	XO	EGRESS AT BEDROOM MUST HAVE MAX. 44" SILL HEIGHT ABOVE FLOOR
B	2030	SINGLE HUNG TEMPERED	
C	3030	XO	



PLUMBING FIXTURE CLEARANCES

NO SCALE PER IRC FIGURE R327.1

NOTE: FENESTRATION IN ZONE 2 (ELEVATIONS BELOW 3500 FT.) SHALL HAVE A MAXIMUM U-FACTOR OF 0.40, AND A MAXIMUM FENESTRATION SHGC FACTOR OF 0.25. FENESTRATION IN ZONE 4 (ELEVATIONS 3500 FT. AND ABOVE) SHALL HAVE A MAXIMUM U-FACTOR OF 0.35, AND A MAXIMUM FENESTRATION SHGC FACTOR OF 0.40.



FLOOR PLAN (without Garage or Carport)

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

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FLOOR PLANS / OPENING SCHEDULES / PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

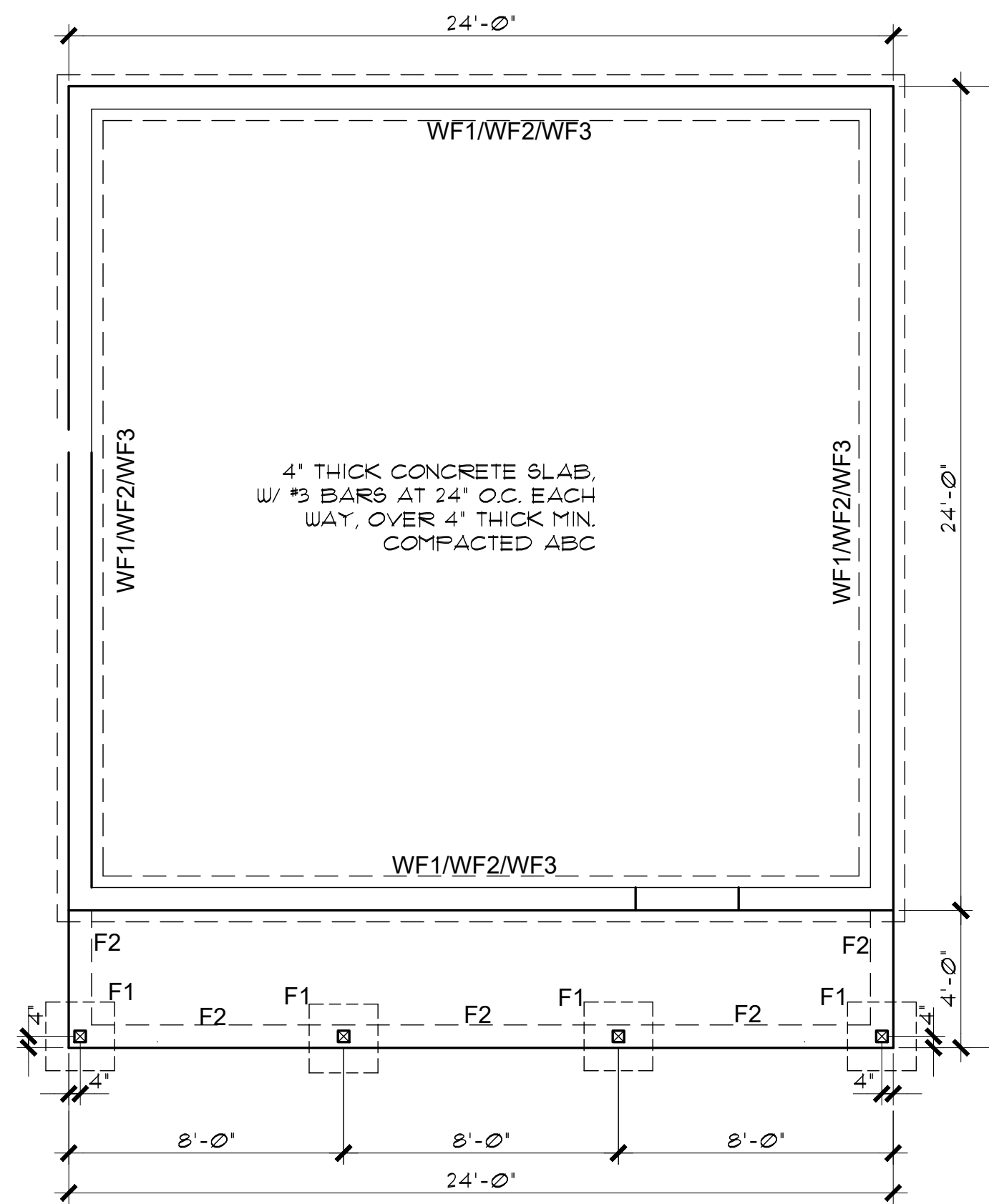
1015 FAIR STREET
 PRESCOTT, ARIZONA

SHEET NO:

A-10

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FOUNDATION PLAN
SCALE: 1/4" = 1'-0" (without Garage or Carport option)

NOTE: THE FOOTINGS SIZE, THICKNESS, AND BOTTOM OF FOOTING DEPTH SHALL BE PER THE GEOTECHNICAL REPORT/ENGINEER'S REQUIREMENTS. THIS SHALL INCLUDE ANY OVER EXCAVATIONS, ENGINEERED PAD REQUIREMENTS, AND/OR A CHANGE IN DEPTH, AND TYPE OF BASE COURSE UNDER THE CONCRETE SLABS.

SEE FOUNDATION DETAILS SHEET A7.0

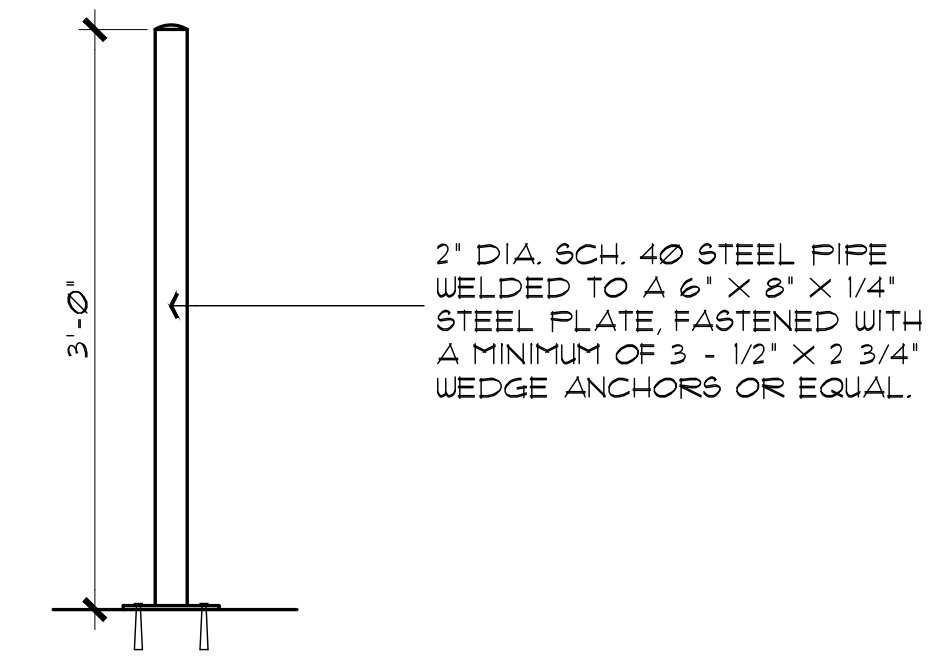
FOUNDATION NOTES

1. FOOTINGS TO BE A MIN. OF 8" THICK IN 18" MIN. UNDISTURBED SOIL.
2. FOOTINGS AND INTERIOR FLATWORK TO BE MIN. 2500 P.S.I. MIN COMPRESSIVE STRENGTH AT 28 DAYS.
3. FOUNDATION SUPPORTED WOOD TO EXTEND MIN. 6" ABOVE FINISH GRADE
4. FOUNDATION PLATES AND SILLS SHALL BE BOLTED TO FOUNDATION WITH MIN. 1/2" BOLTS 6"-0" O.C., 12" FROM CORNERS AND EMBEDDED 7" INTO FOUNDATION WALL
5. EXTERIOR FLATWORK SLOPE TO BE 1/4" PER FOOT.
6. CONTRACTOR TO EMBED 20' OF #4 G.A. COPPER WIRE IN FOOTING FOR ELECTRICAL SERVICE GROUND.
7. THE GRADE AWAY FROM FOUNDATION WALLS SHALL FALL A MINIMUM OF 6 INCHES WITHIN THE FIRST 10 FEET.
8. ALL EXTERIOR PLATES, LOAD BEARING AND NON LOAD BEARING SHALL BE PRESSURE TREATED, LESS THAN 8" ABOVE GRADE.
9. FILL BEING PLACED THAT EXCEEDS 2' WILL REQUIRE A CERTIFIED COMPACTION TEST AND REPORT.
10. VAPOR BARRIER SHALL BE INSTALLED BELOW SLAB AS PER THE GEOTECHNICAL REPORT

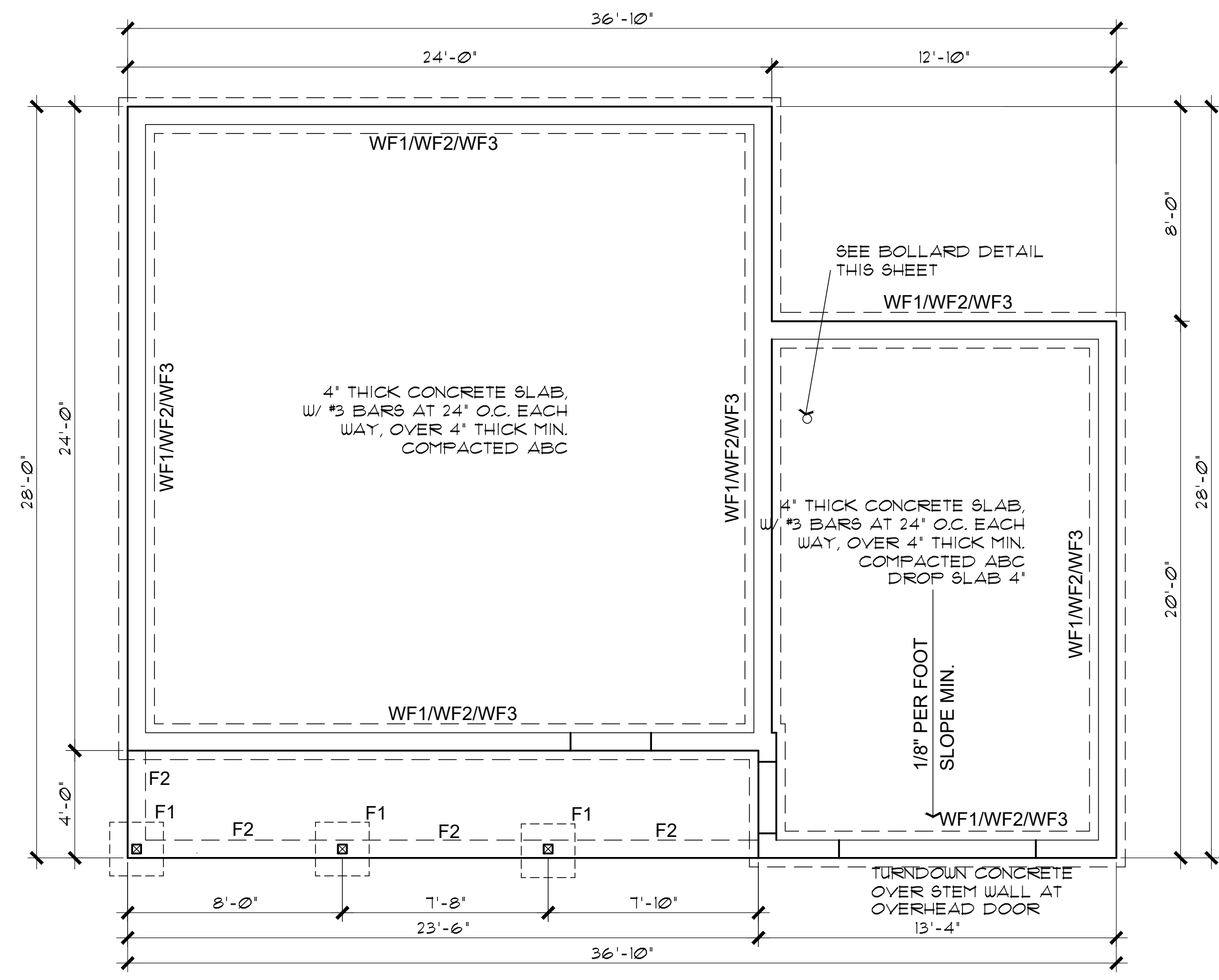
THIS PLAN IS ONLY APPLICABLE ON FLAT LOTS WITH A CROSS SLOPE NO GREATER THAN 1% ACROSS THE BUILDING PAD.

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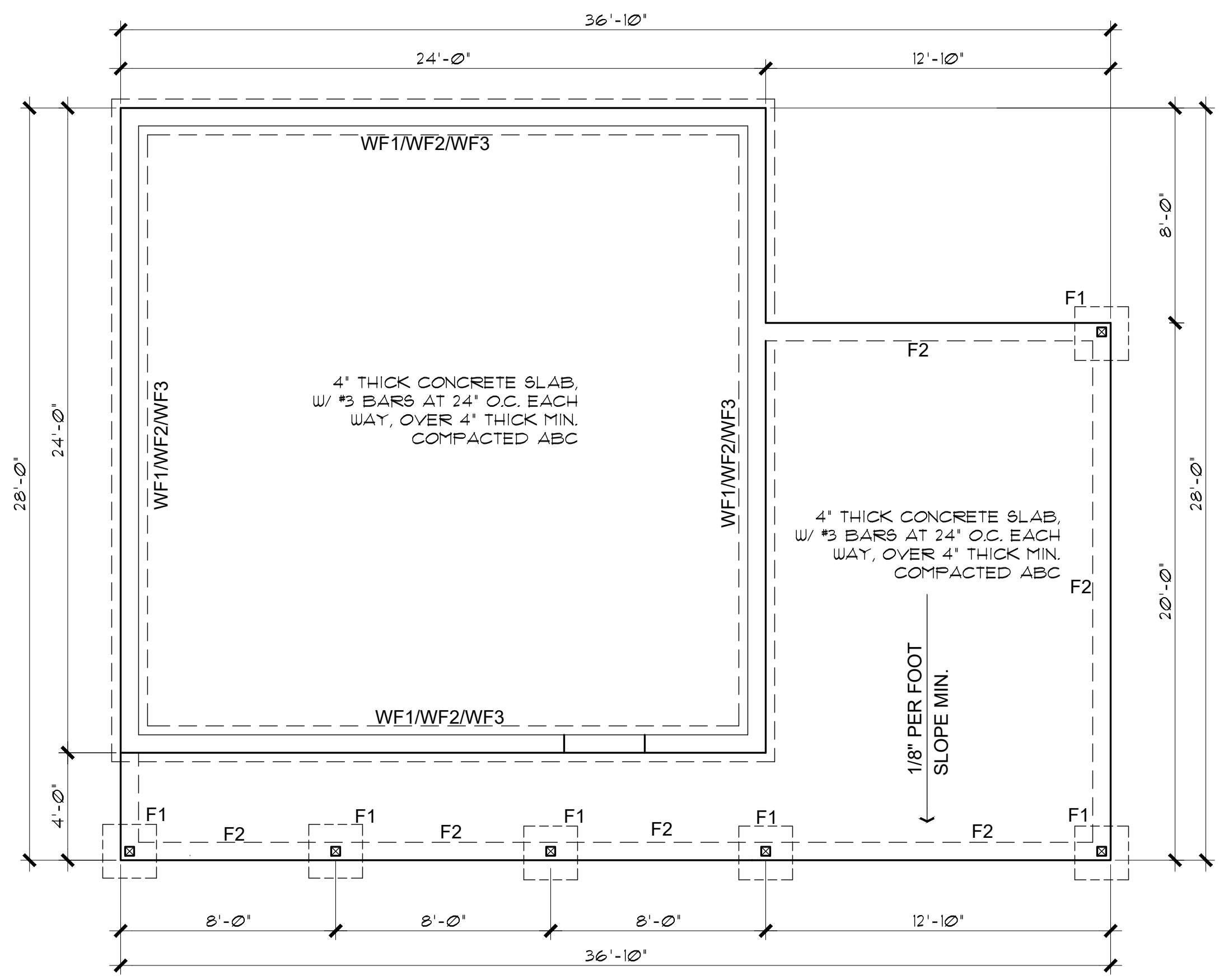
SEE ATTACHED COVER SHEET FOR ALL STAMPS. IT IS THE RESPONSIBILITY OF THE OWNER/APPLICANT TO REVIEW AND ACKNOWLEDGE APPLICABLE STAMPS.



BOLLARD DETAIL
SCALE: 1" = 1'-0"
THIS DETAIL APPLIES ONLY IF LOCATING THE WATER HEATER IN THE GARAGE.



FOUNDATION PLAN (with Garage option)
SCALE: 1/4" = 1'-0"



FOUNDATION PLAN (with Carport option)
SCALE: 1/4" = 1'-0"

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FOUNDATION PLANS / NOTES
PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

1015 FAIR STREET
PRESCOTT, ARIZONA

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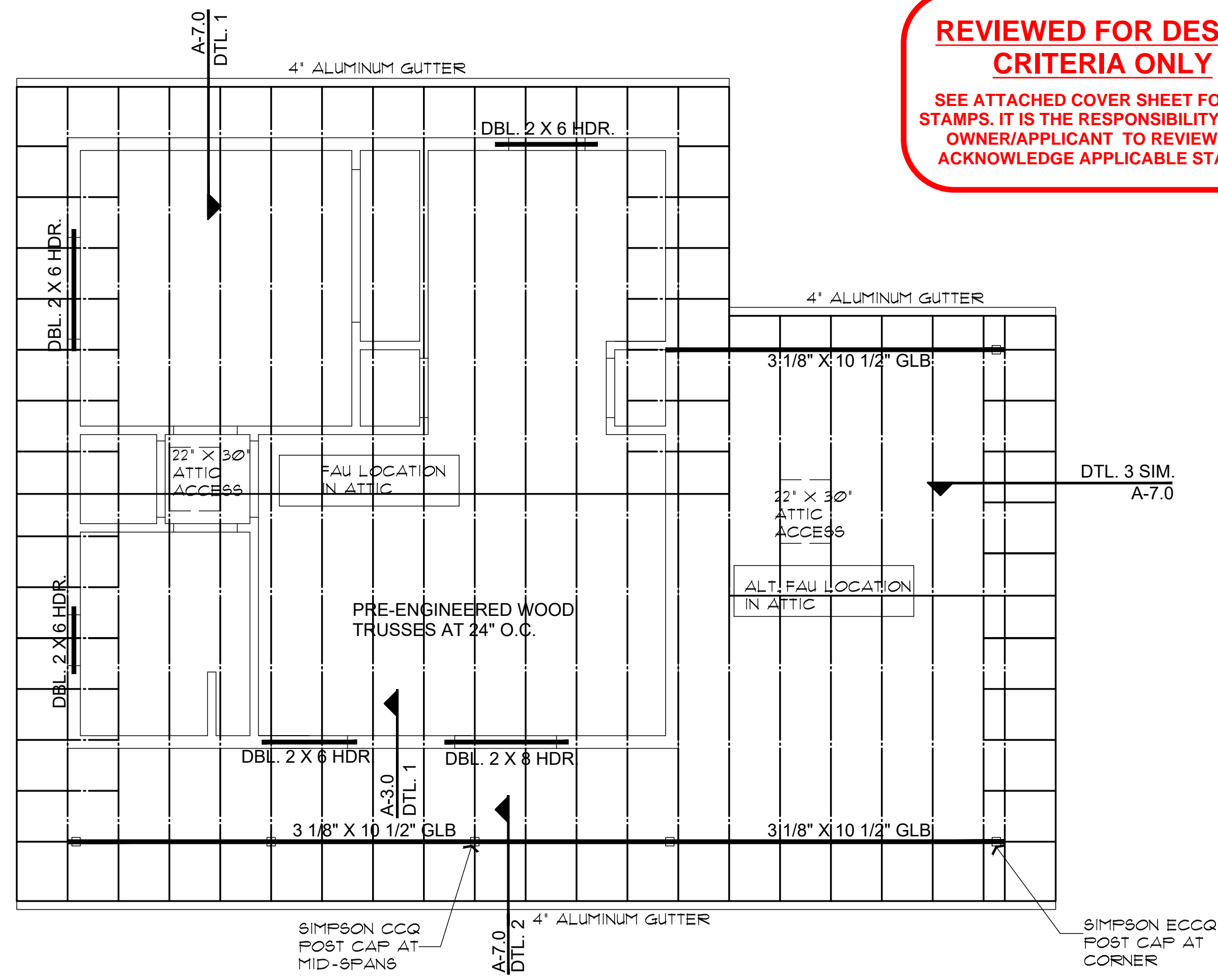
ROOF FRAMING PLANS
PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

1015 FAIR STREET
PRESCOTT, ARIZONA

SHEET NO:
A-3.0

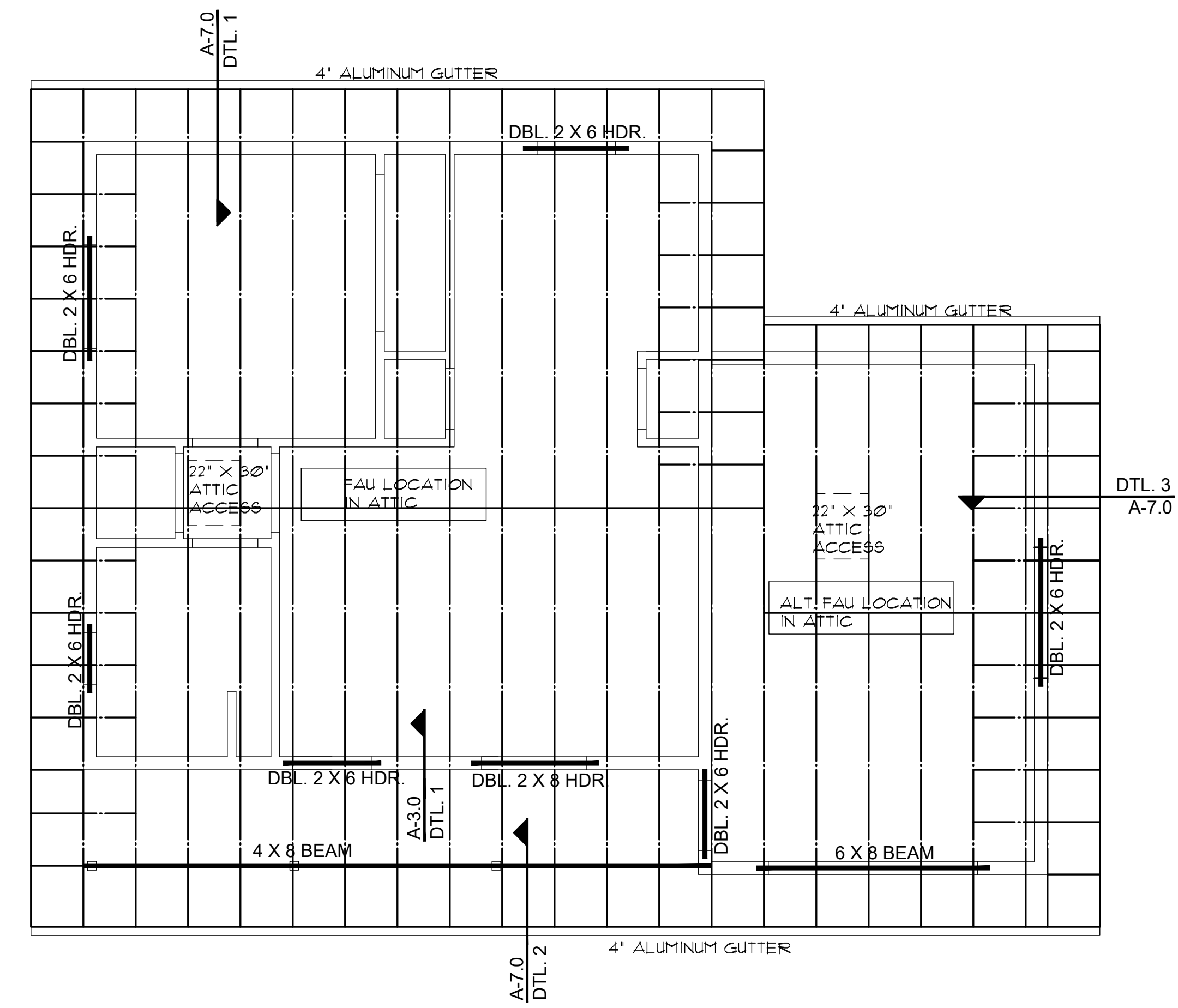
**REVIEWED FOR DESIGN
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ROOF FRAMING PLAN (with Carport option)

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

ROOF VENTILATION
REQUIRED 929 SQ. FT. / 300 = 3 SQ. FT. (432 SQ. IN.)
USE 2 GABLE-END VENTS AT 144 SQ. IN. MINIMUM EACH VENT
288 SQ. IN. AT GABLE ENDS
REMAINING LOW VENTING IN BIRDBLOCKS, 3-HOLE, 2" DIA.
EACH BLOCK

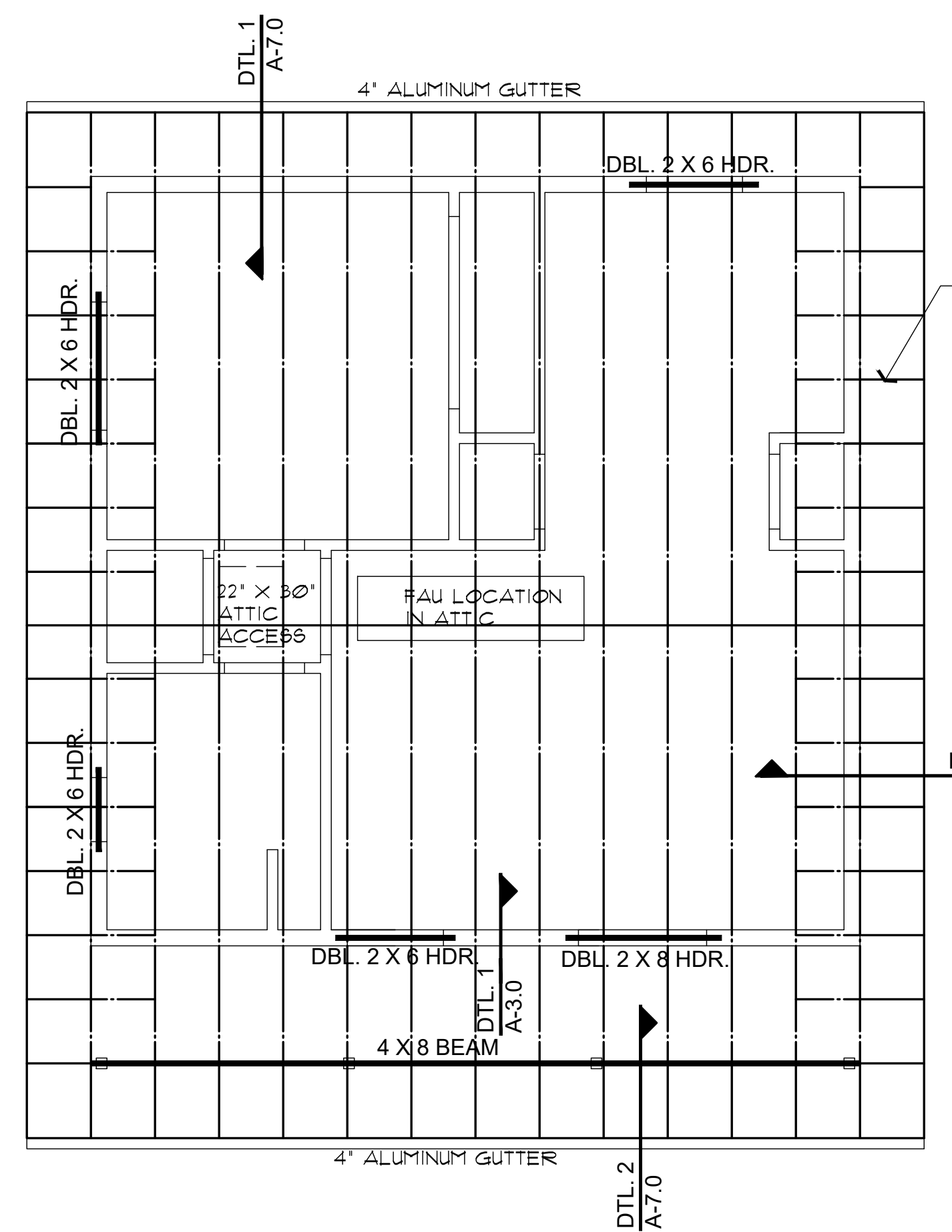


ROOF FRAMING PLAN (with Garage option)

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

ROOF VENTILATION
REQUIRED 929 SQ. FT. / 300 = 3 SQ. FT. (432 SQ. IN.)
USE 2 GABLE-END VENTS AT 144 SQ. IN. MINIMUM EACH VENT
288 SQ. IN. AT GABLE ENDS
REMAINING LOW VENTING IN BIRDBLOCKS, 3-HOLE, 2" DIA.
EACH BLOCK

NOTE: PROVIDE PANEL EDGE SUPPORT FOR NARROW-WIDTH ROOF SHEATHING PER APA TECHNICAL REPORT #R275A.



ROOF FRAMING PLAN (no Garage or Carport)

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

ROOF VENTILATION
REQUIRED 612 SQ. FT. / 300 = 2.24 (USE 3 SQ. FT.) (432 SQ. IN.)
USE 2 GABLE-END VENTS AT 144 SQ. IN. MINIMUM EACH VENT
288 SQ. IN. AT GABLE ENDS
REMAINING LOW VENTING IN BIRDBLOCKS, 3-HOLE, 2" DIA.
EACH BLOCK

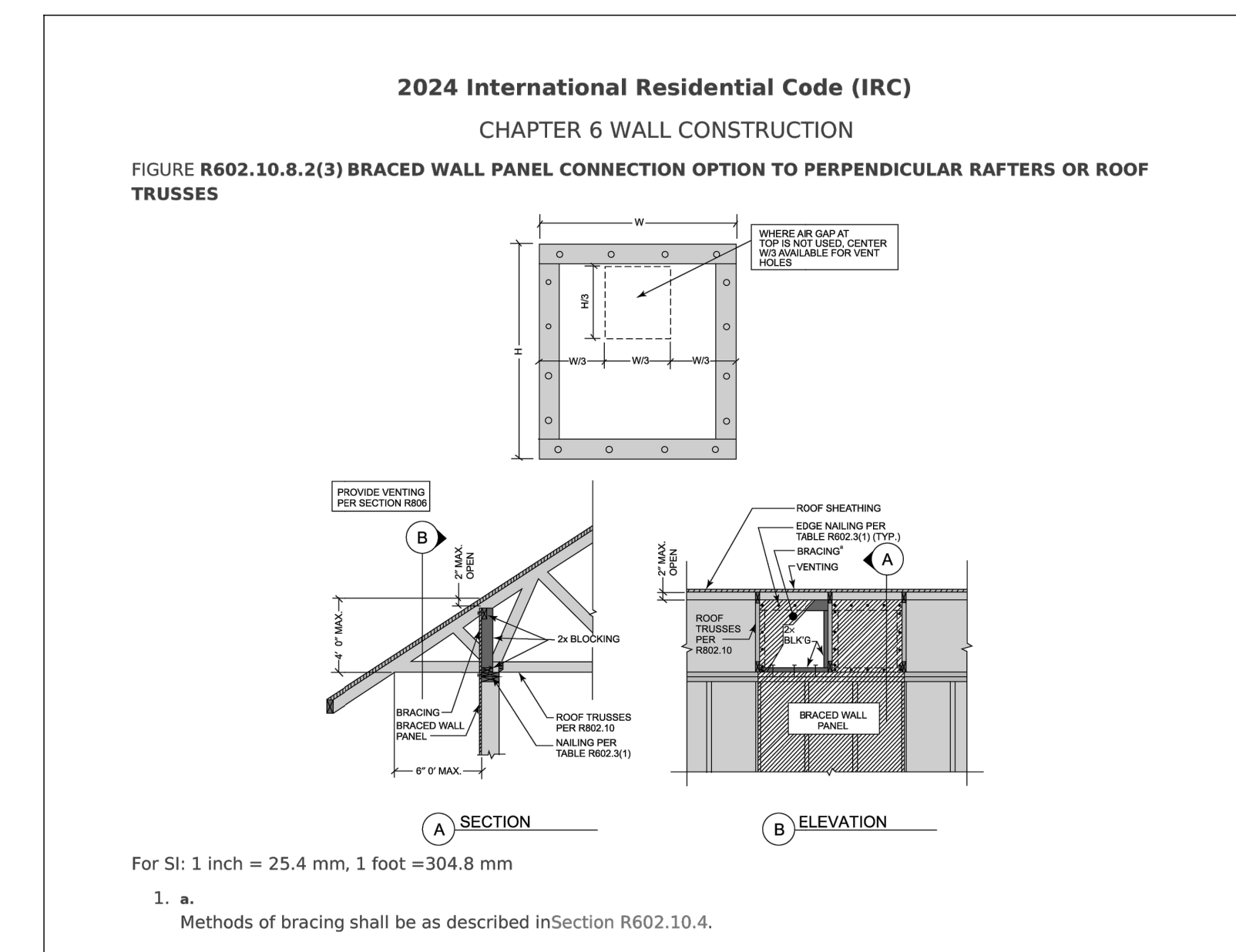
VERIFY ATTIC ACCESS LOCATION ABOVE GARAGE, AND CARPORT, IS IN A LOCATION WHERE THE UNIT CAN BE SERVICED BY A LADDER.
RE: IRC M1305.1.1, EXCEPTION #1.

TYP. 2 X 4 OUTLOOKERS
FLAT AT 24" O.C. (GABLE ENDS)

ROOF NOTES

- REFER TO TRUSS CALCULATIONS FOR FINAL ROOF FRAMING DESIGN.
- SIMPSON H2.5A HANGERS TO BE APPLIED @ ALL TRUSS ENDS
- ROOF SHEATHING TO BE 1/2" CDX PLYWOOD, OR OSB.
- SUPPORTED MEMBERS OF G.L.B., 4 GIRDERS OR OTHER CONCENTRATED LOADS SUPPORTED BY WALL OR PIER SHALL HAVE BEARING AT LEAST AS WIDE AS THE ROOF MEMBER.
- ROOF PITCH 4:12 (TYP.).
- OVERHANGS TO BE 24".
- FURNACE IN ATTIC: PROVIDE A 24" SOLID PASSAGEWAY TO CONTROL SIDE OF APPLIANCE AND A 30" SERVICE SPACE ON THE CONTROL SIDE OF THE APPLIANCE (REQUIRED FOR ATTIC MOUNT FURNACES).
- ALL RAFTERS SHALL BE DOUGLAS FIR #2 (SIZE PER PLAN) ALL STUDS SHALL BE HEM FIR #2 (SIZE PER PLAN)
- DOWNSPOUT/ROOF DRAIN DISCHARGE SHALL TERMINATE AS RECOMMENDED BY THE GEOTECHNICAL REPORT

SEE ROOF FRAMING DETAILS SHEET A7.0



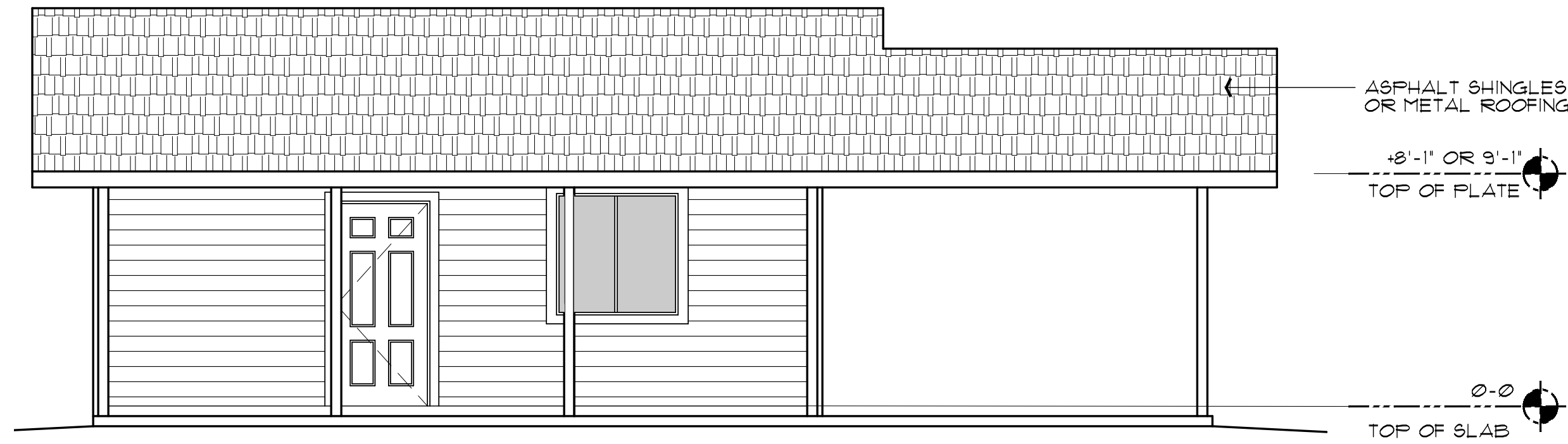
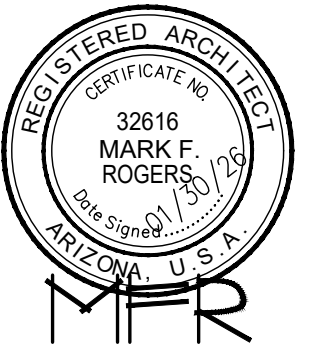
BRACED WALL PANEL CONNECTION OPTION AT PERPENDICULAR ROOF TRUSSES

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

2024 IRC FIGURE R602.10.8.2(3)

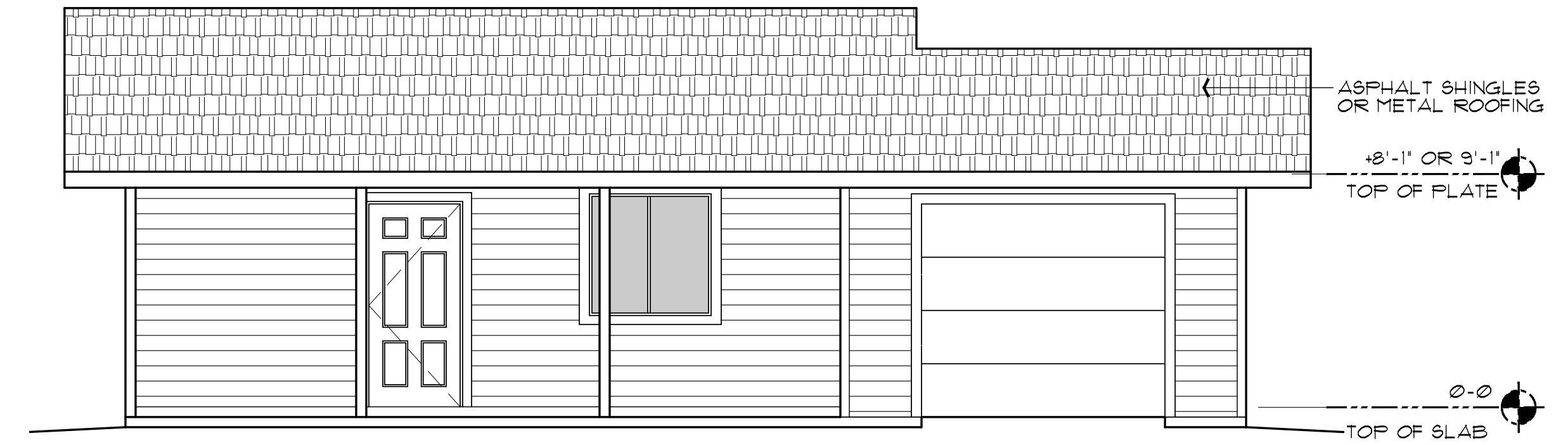
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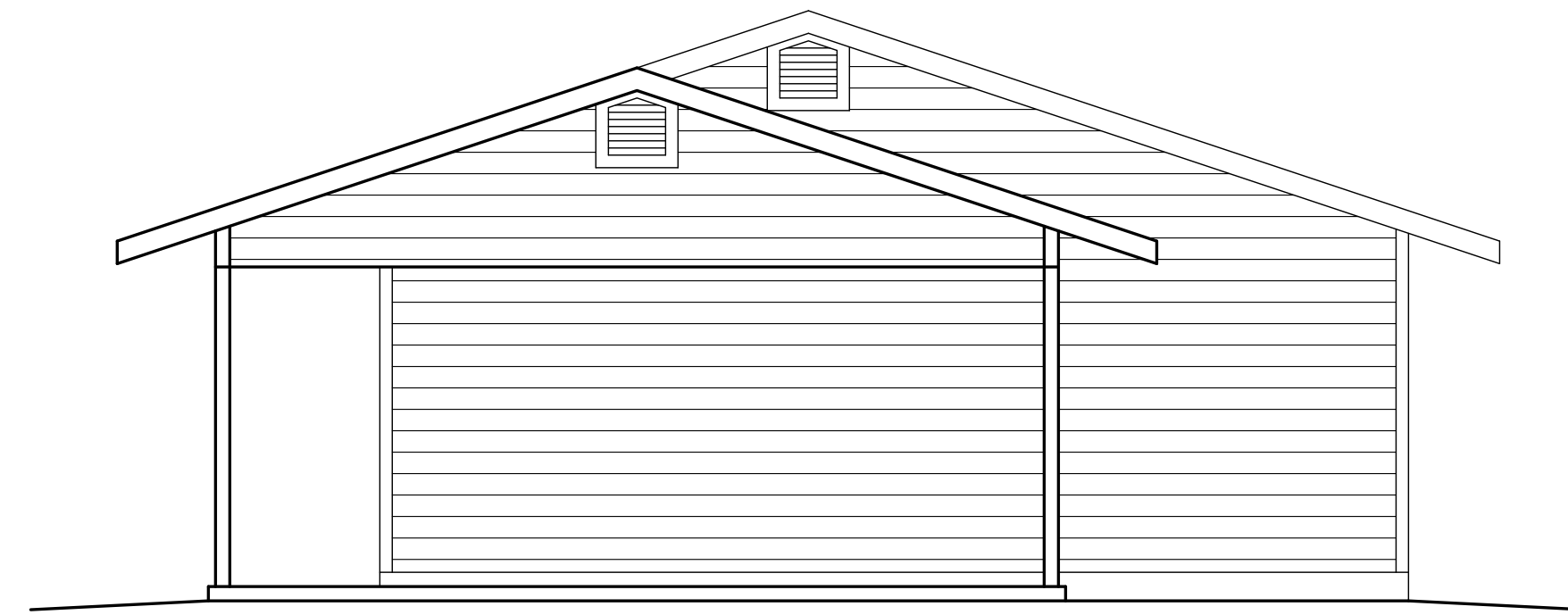
FRONT ELEVATION (with optional Carport)

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



FRONT ELEVATION (with optional Garage)

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

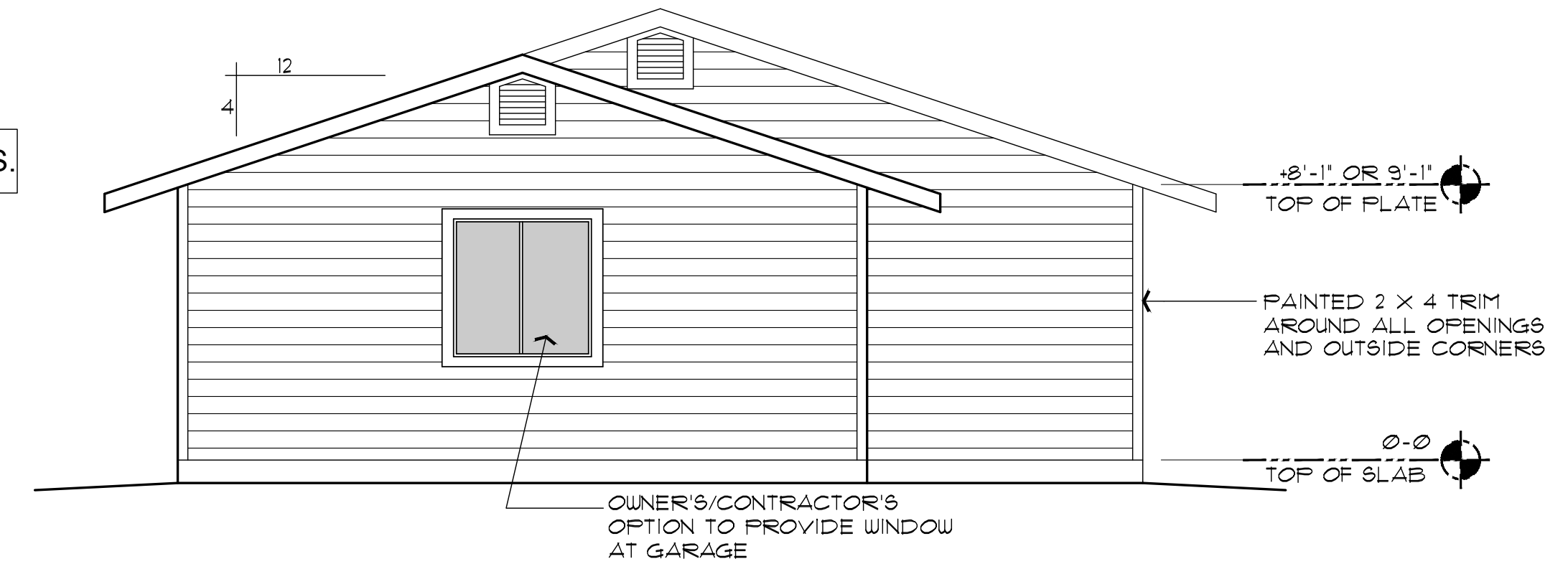


RIGHT SIDE ELEVATION (with optional Carport)

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

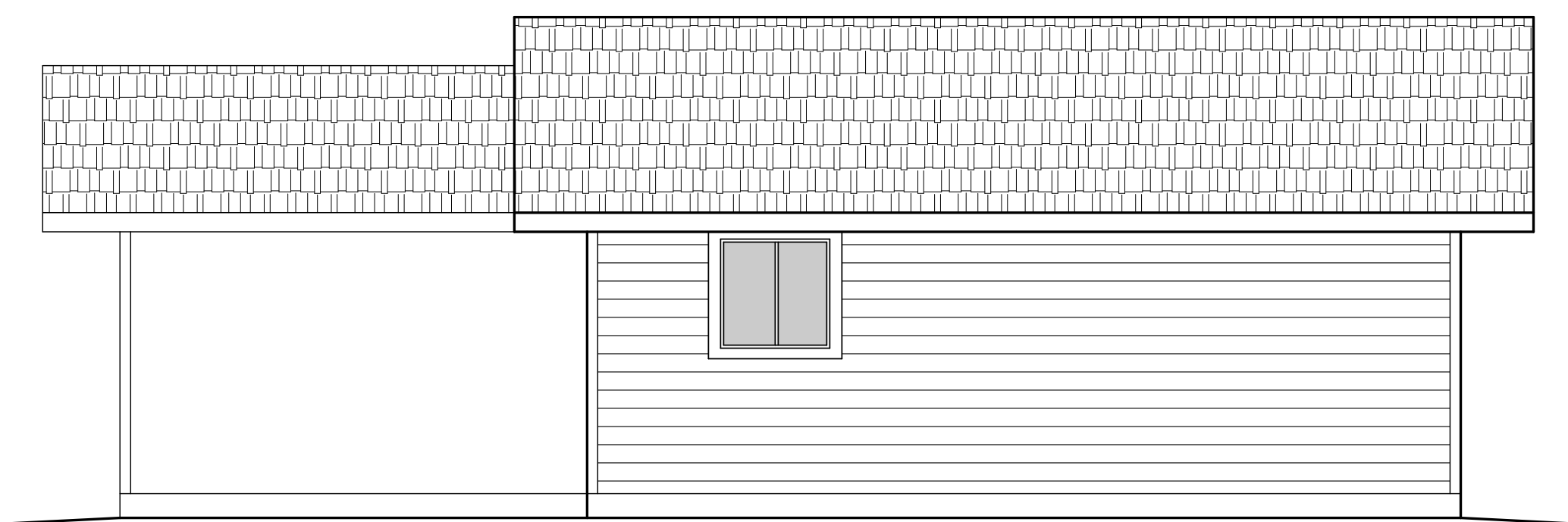
NOTE: SEE SHEET A-4.0 FOR EXTERIOR WALL FINISH OPTIONS.

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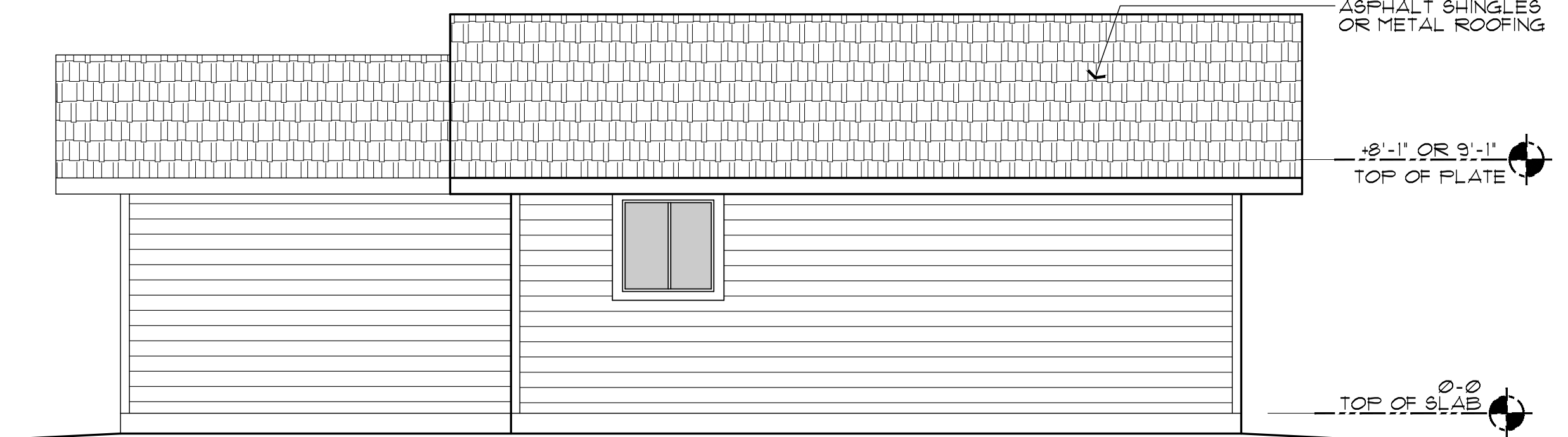
RIGHT SIDE ELEVATION (with optional Garage)

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



REAR ELEVATION (with optional Carport)

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



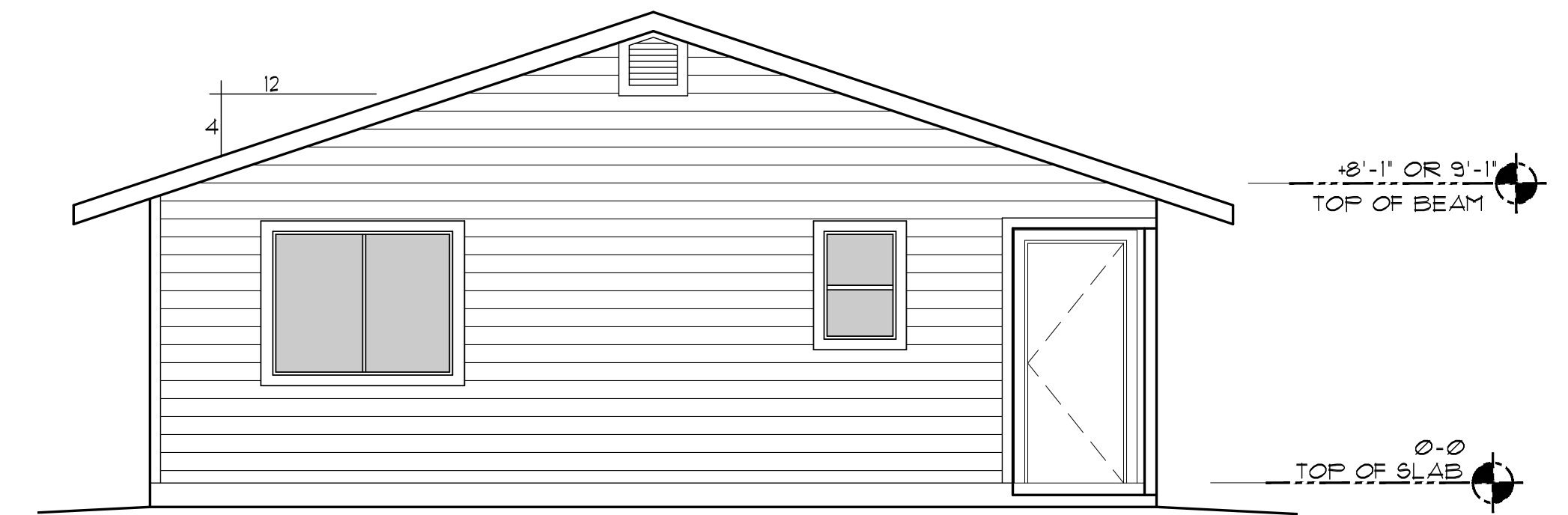
REAR ELEVATION (with optional Garage)

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



FRONT ELEVATION (without Garage, or Carport option)

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



LEFT SIDE ELEVATION (similar for all options)

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

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EXTERIOR ELEVATIONS
PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

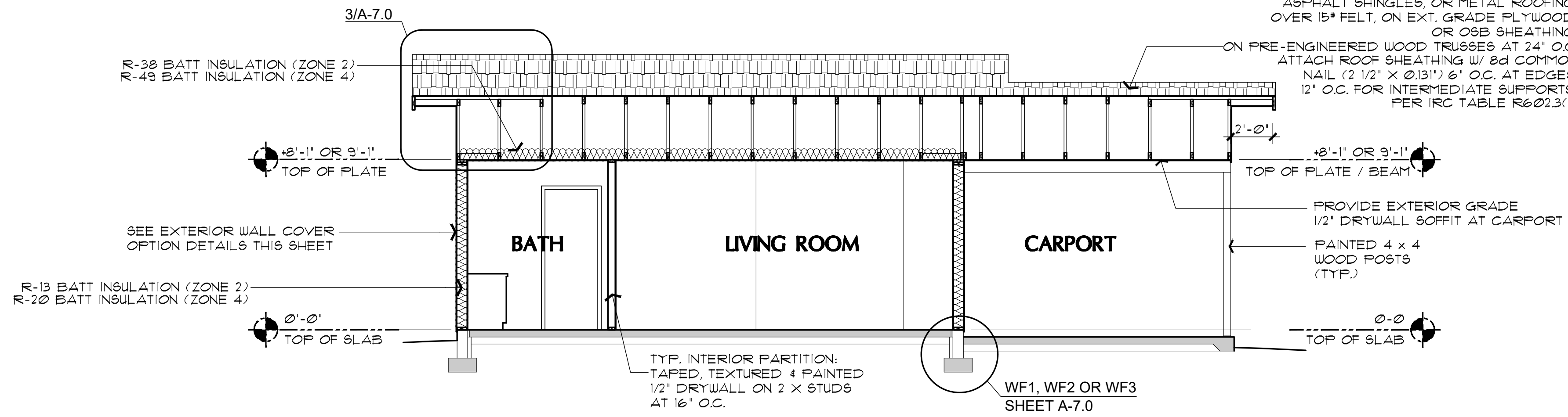
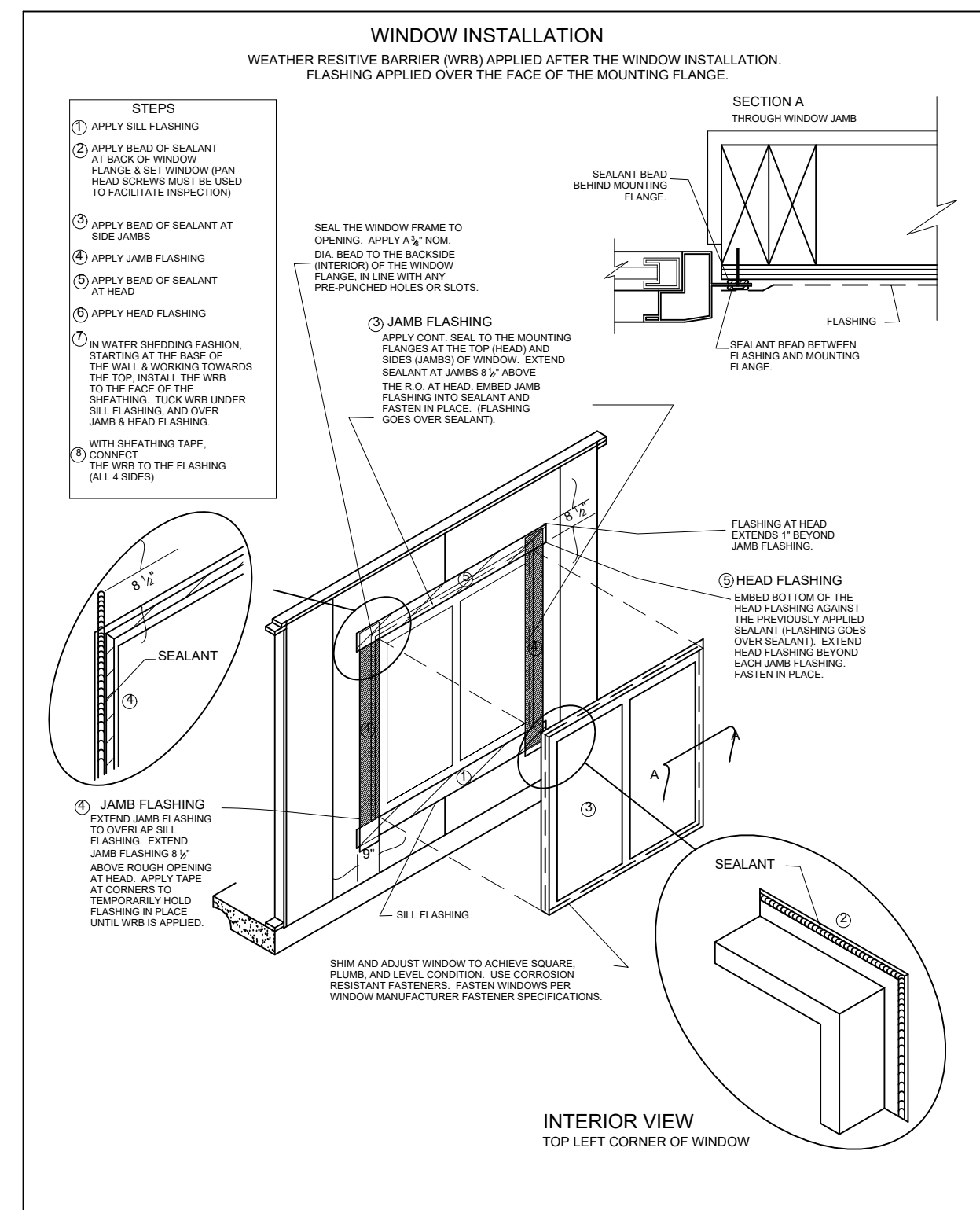
1015 FAIR STREET
PRESCOTT, ARIZONA

SHEET NO:

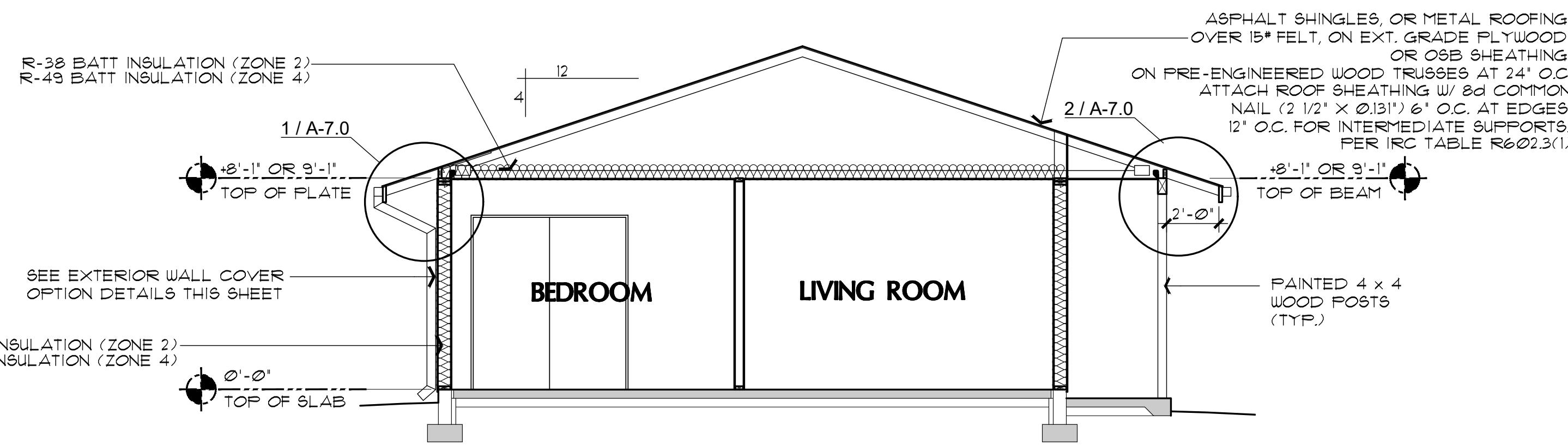
A-5.0

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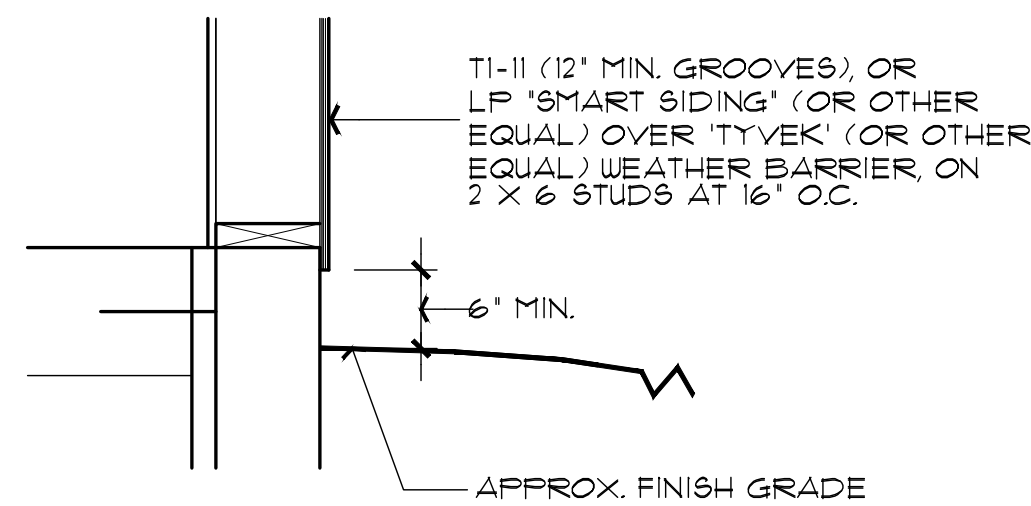


A BUILDING CROSS SECTION (with optional Carport)
SCALE: 1/4" = 1'-0"

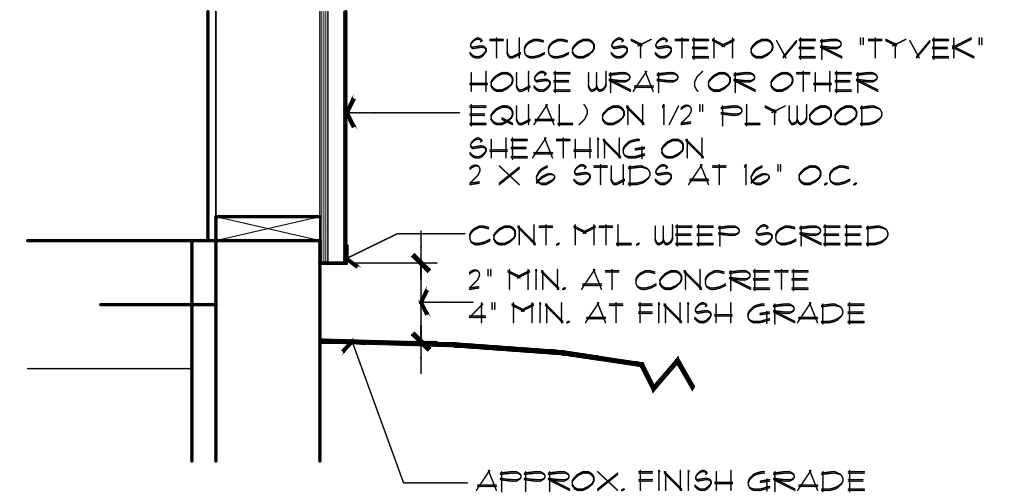


B BUILDING CROSS SECTION
SCALE: 1/4" = 1'-0"

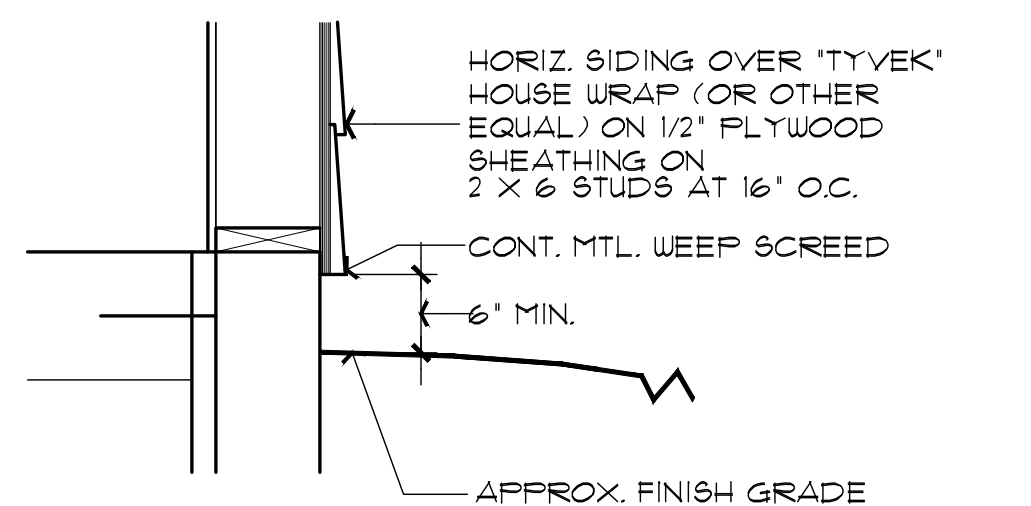
NOTE: WHEN APPLYING A WATER-BASED TEXTURE MATERIAL TO CEILING DRYWALL, THE MINIMUM DRYWALL THICKNESS SHALL BE INCREASED FROM 3/8" TO 1/2" FOR 16-INCH ON CENTER FRAMING, AND FROM 1/2" TO 5/8" FOR 24-INCH ON CENTER FRAMING, OR SAG-RESISTANT DRYWALL IS TO BE USED. 2024 IRC, TABLE R702.3.5, FOOTNOTE D.



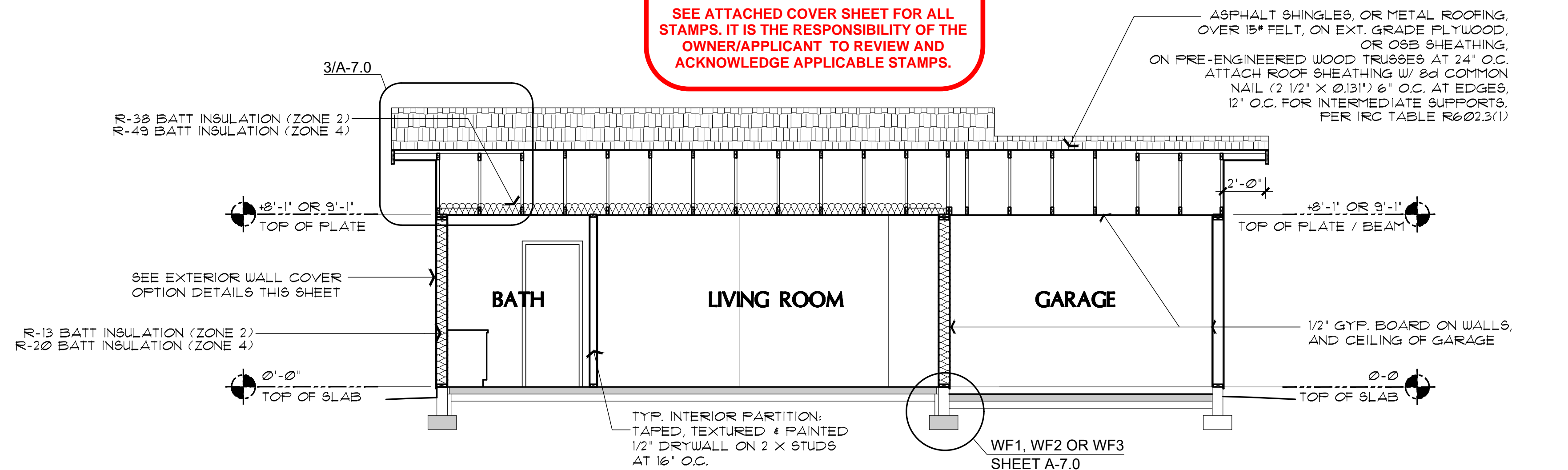
1 T1-11, OR "SMART SIDING" OPTIONS DETAIL
NO SCALE



2 STUCCO OPTION DETAIL
NO SCALE



3 HORIZ. SIDING OPTION DETAIL
NO SCALE



A BUILDING CROSS SECTION (with optional Garage)
SCALE: 1/4" = 1'-0"

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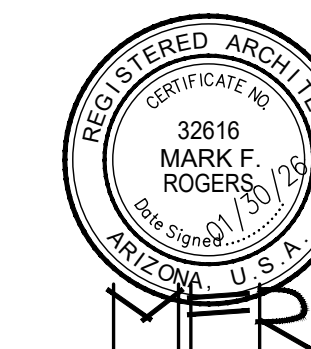
BUILDING SECTIONS
PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

1015 FAIR STREET
PRESCOTT, ARIZONA

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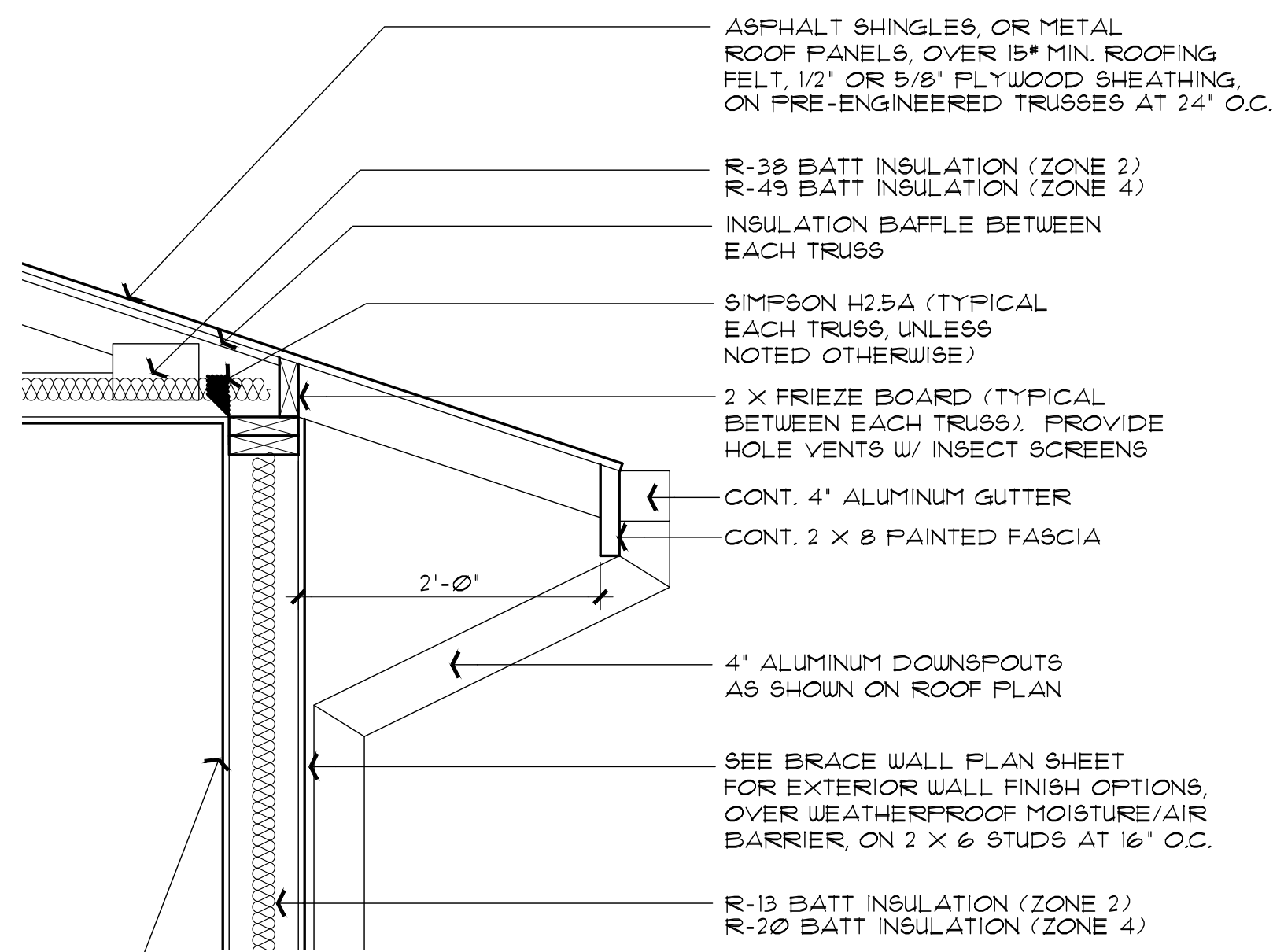
FOUNDATION / ROOF DETAILS
 PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

1015 FAIR STREET
 PRESCOTT, ARIZONA

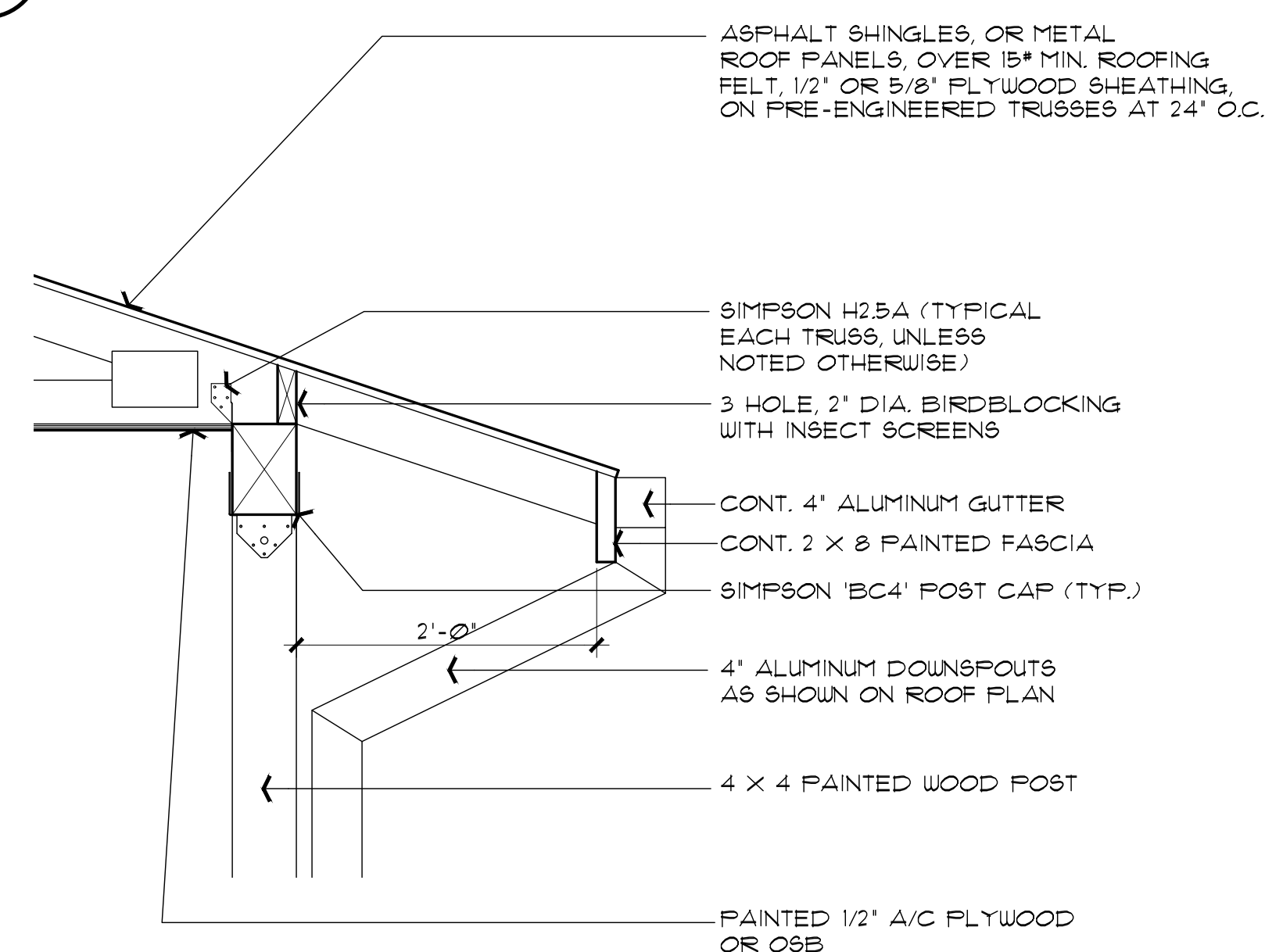
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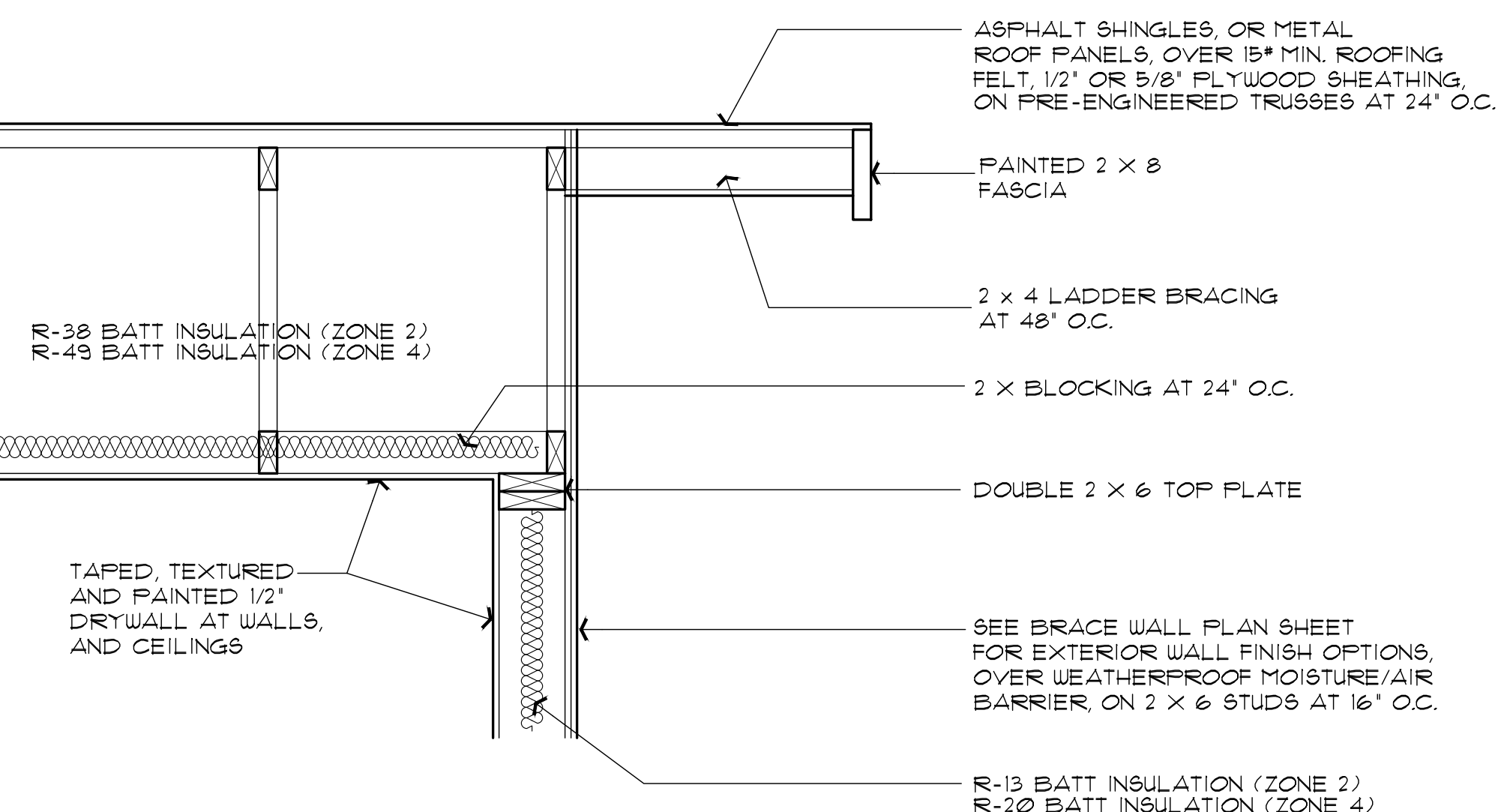
1 ROOF OVERHANG DETAIL

SCALE: 1" = 1'-0"



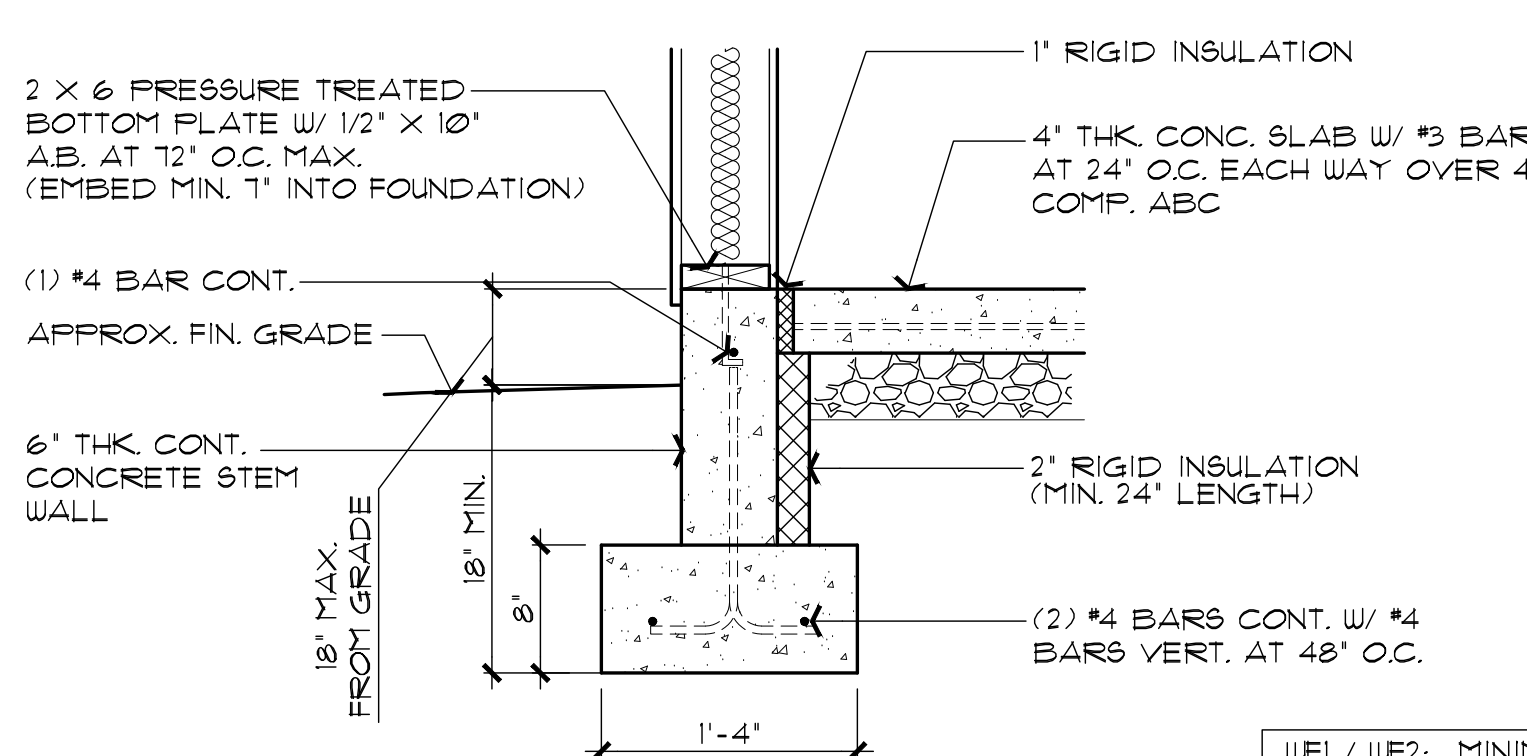
2 ROOF OVERHANG AT BEAM DETAIL

SCALE: 1" = 1'-0"



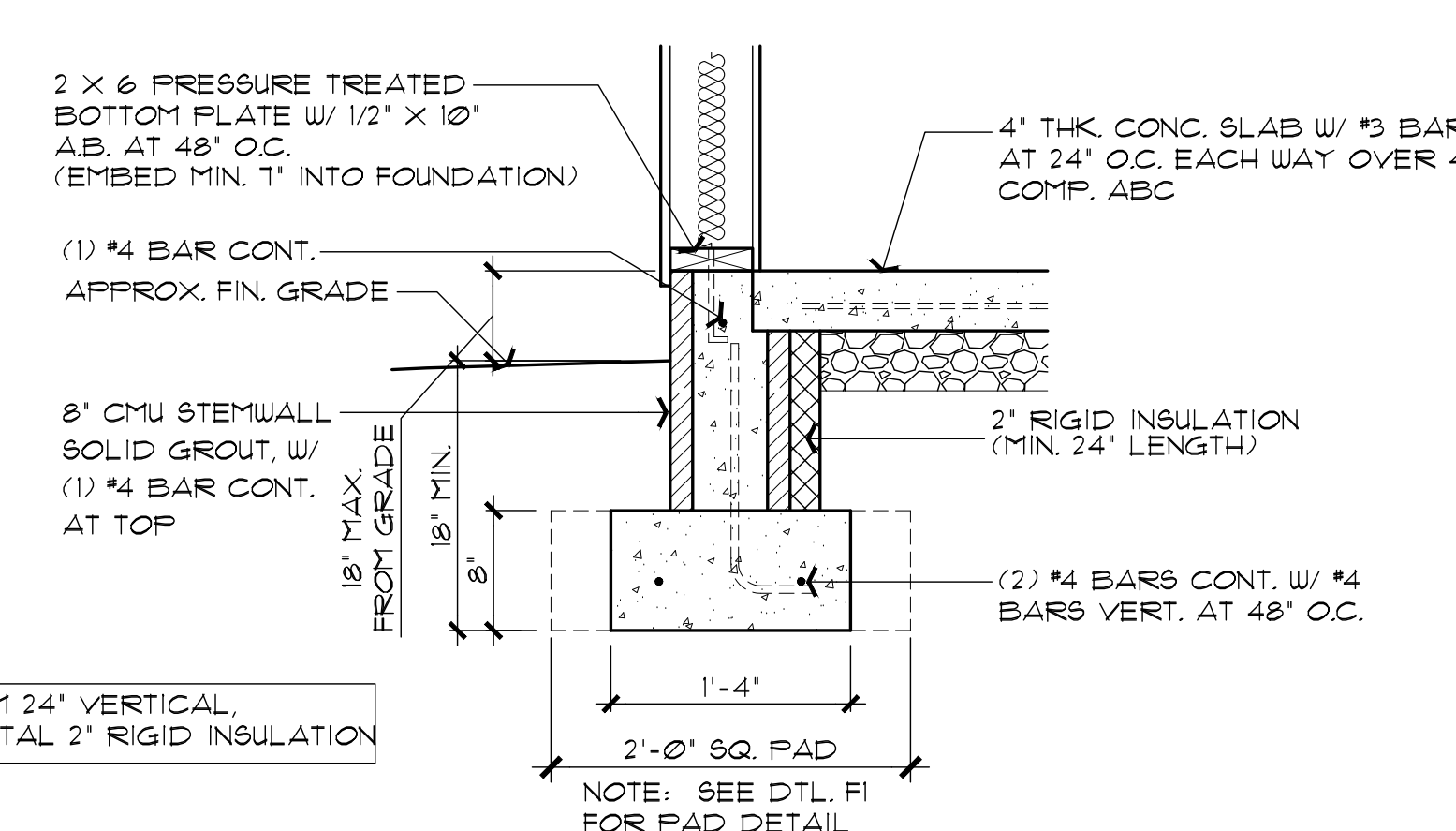
3 GABLE END-WALL DETAIL

SCALE: 1" = 1'-0"



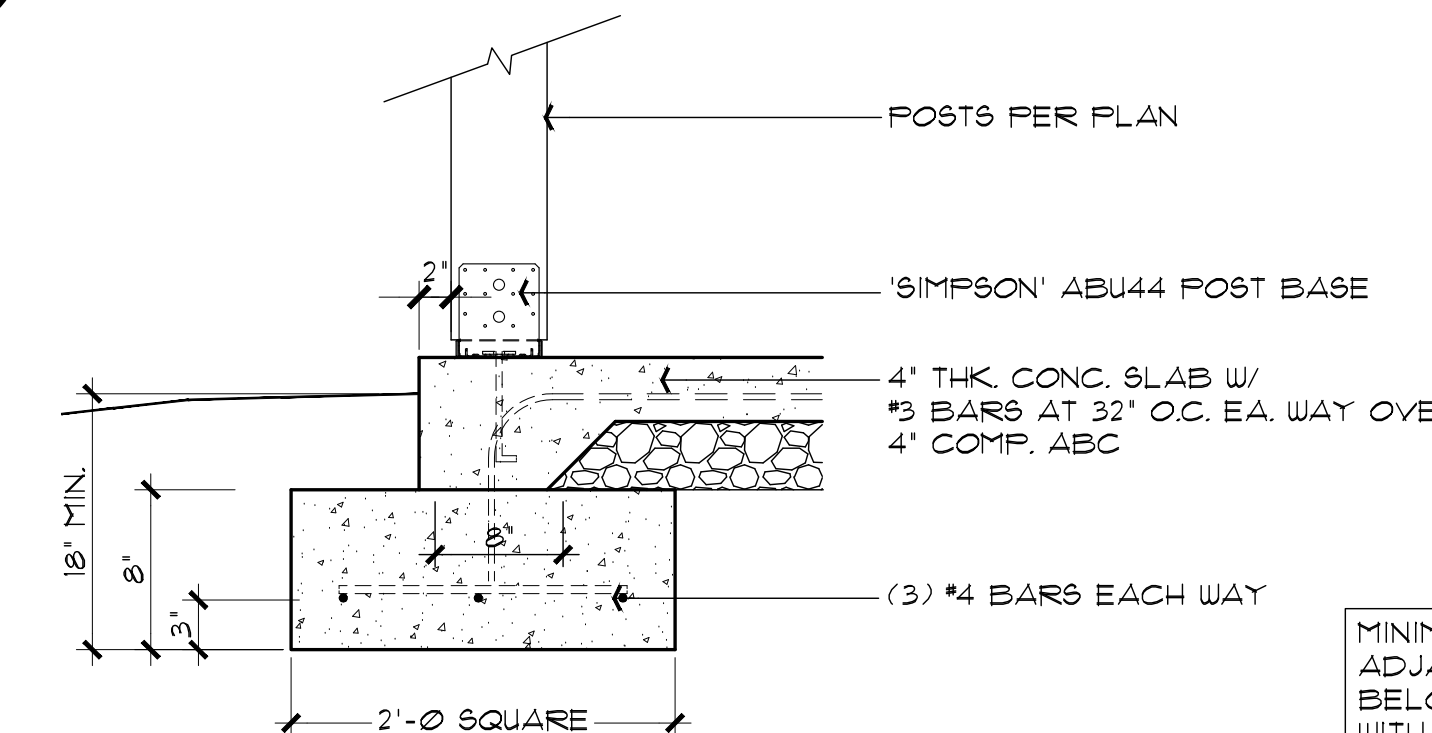
WF1 CONCRETE STEM WALL OPTION

SCALE: 1" = 1'-0"



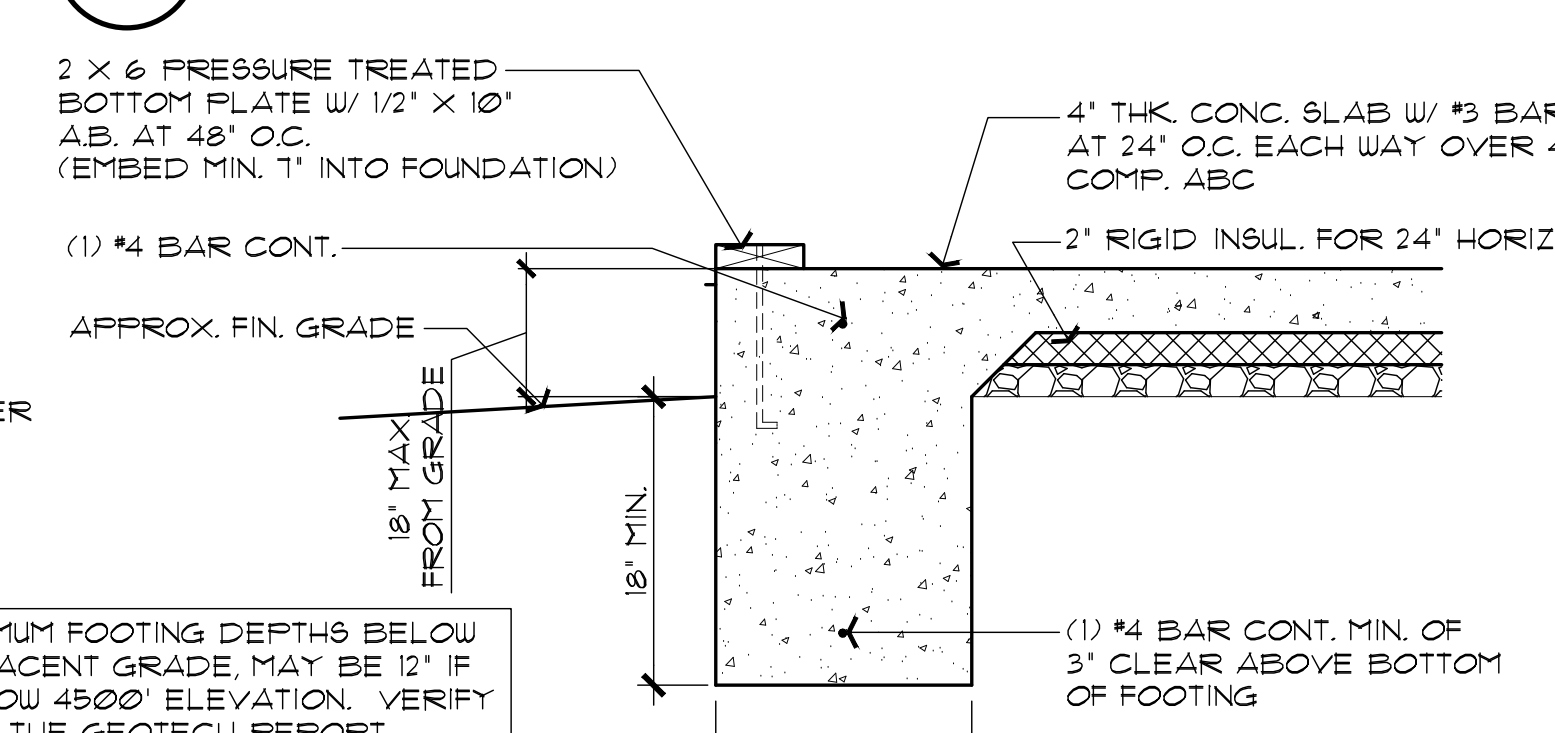
WF2 CMU STEM WALL OPTION

SCALE: 1" = 1'-0"



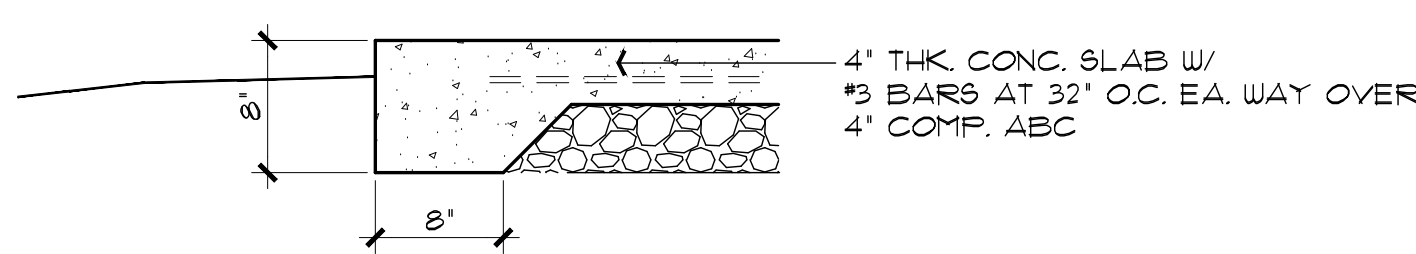
F1 POST BASE FOOTING

SCALE: 1" = 1'-0"



WF3 MONOLITHIC FOOTING OPTION

SCALE: 1" = 1'-0"



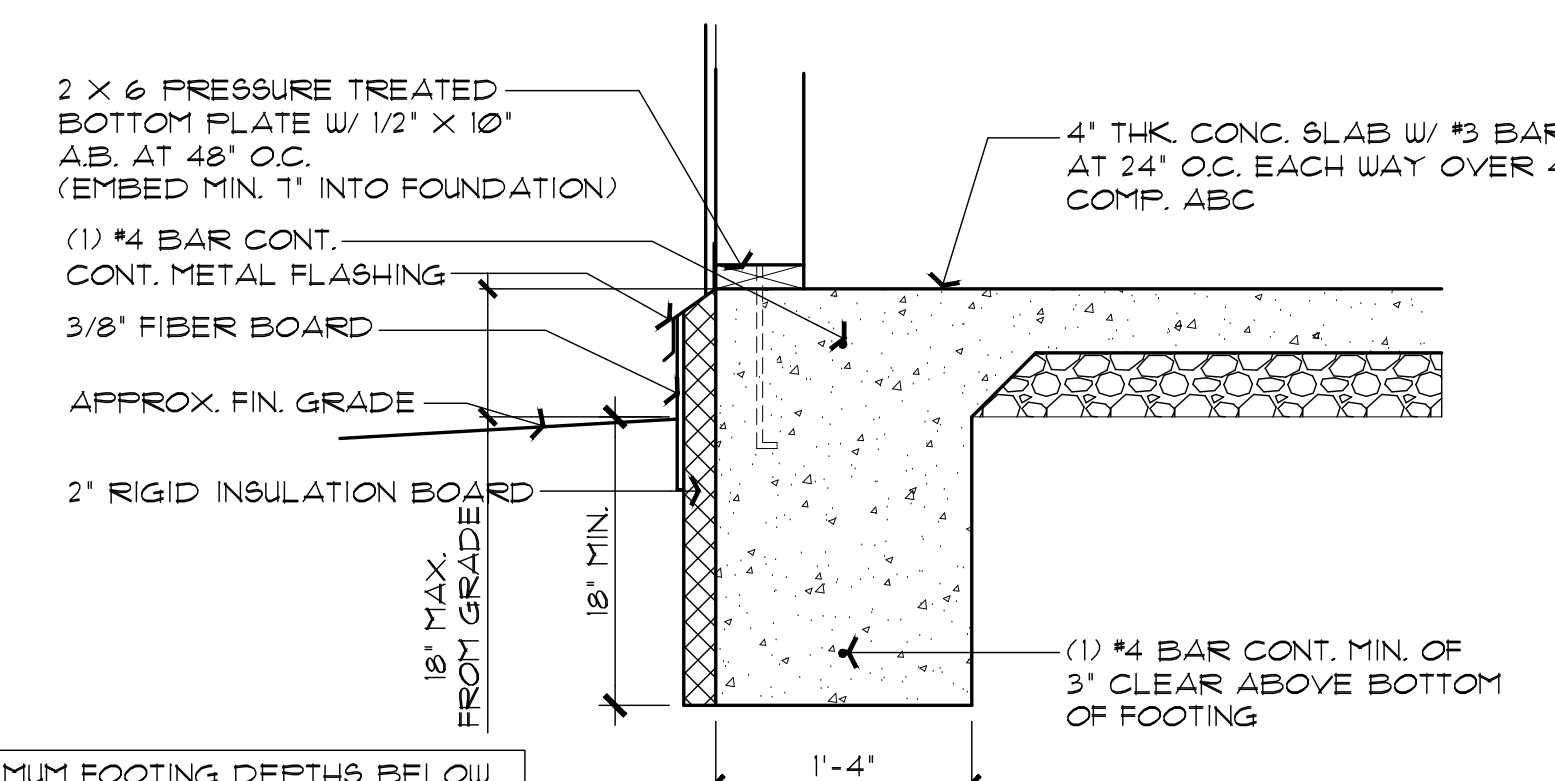
F2 TYPICAL TURN-DOWN FOOTING

SCALE: 1" = 1'-0"

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SEE ATTACHED COVER SHEET FOR ALL STAMPS. IT IS THE RESPONSIBILITY OF THE OWNER/APPLICANT TO REVIEW AND ACKNOWLEDGE APPLICABLE STAMPS.

NOTE: SLAB INSULATION IS ONLY REQUIRED IN CLIMATE ZONE 4 (ELEVATION 3500' OR GREATER)

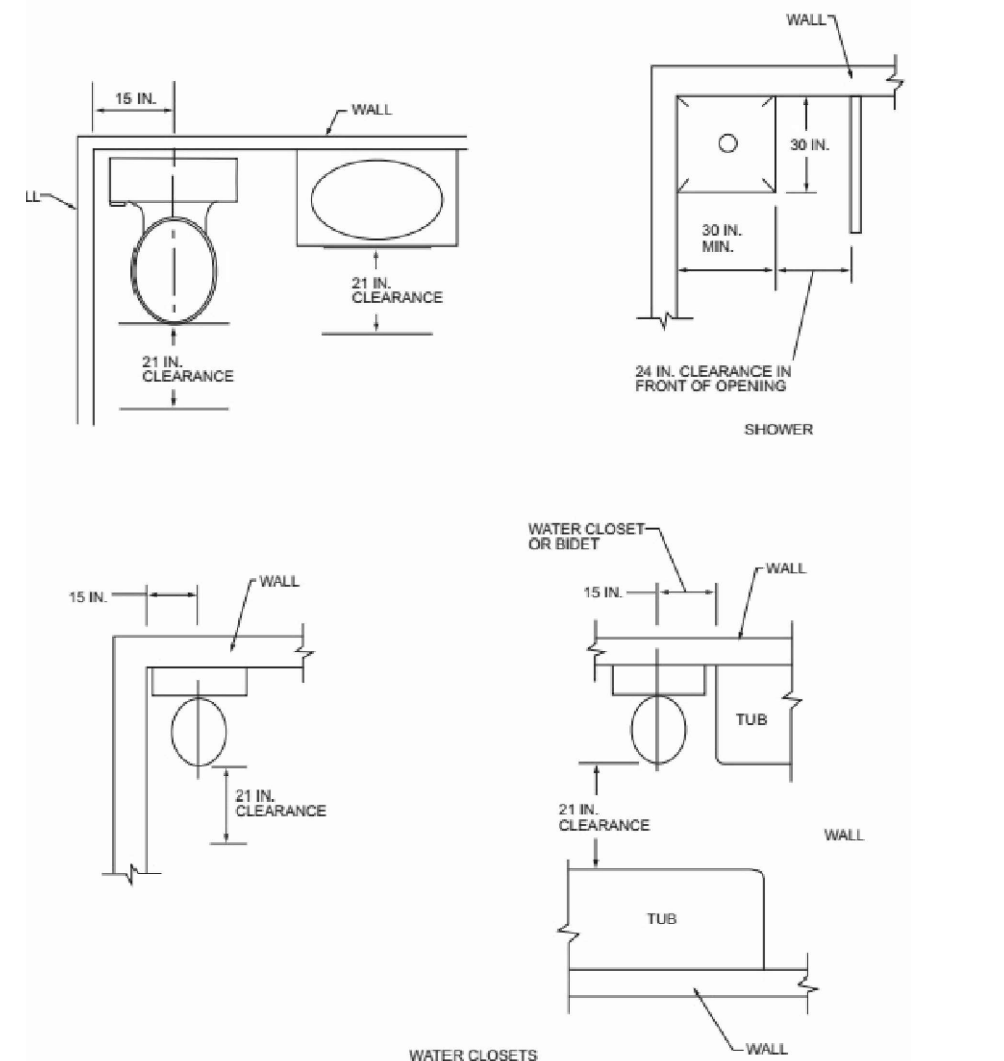
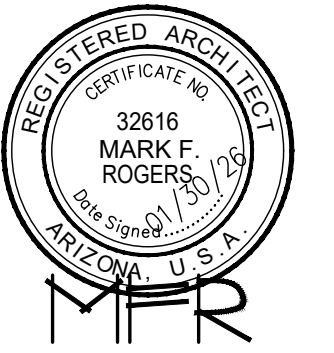


WF4 MONOLITHIC FOOTING OPTION WITH EXTERIOR SLAB INSULATION

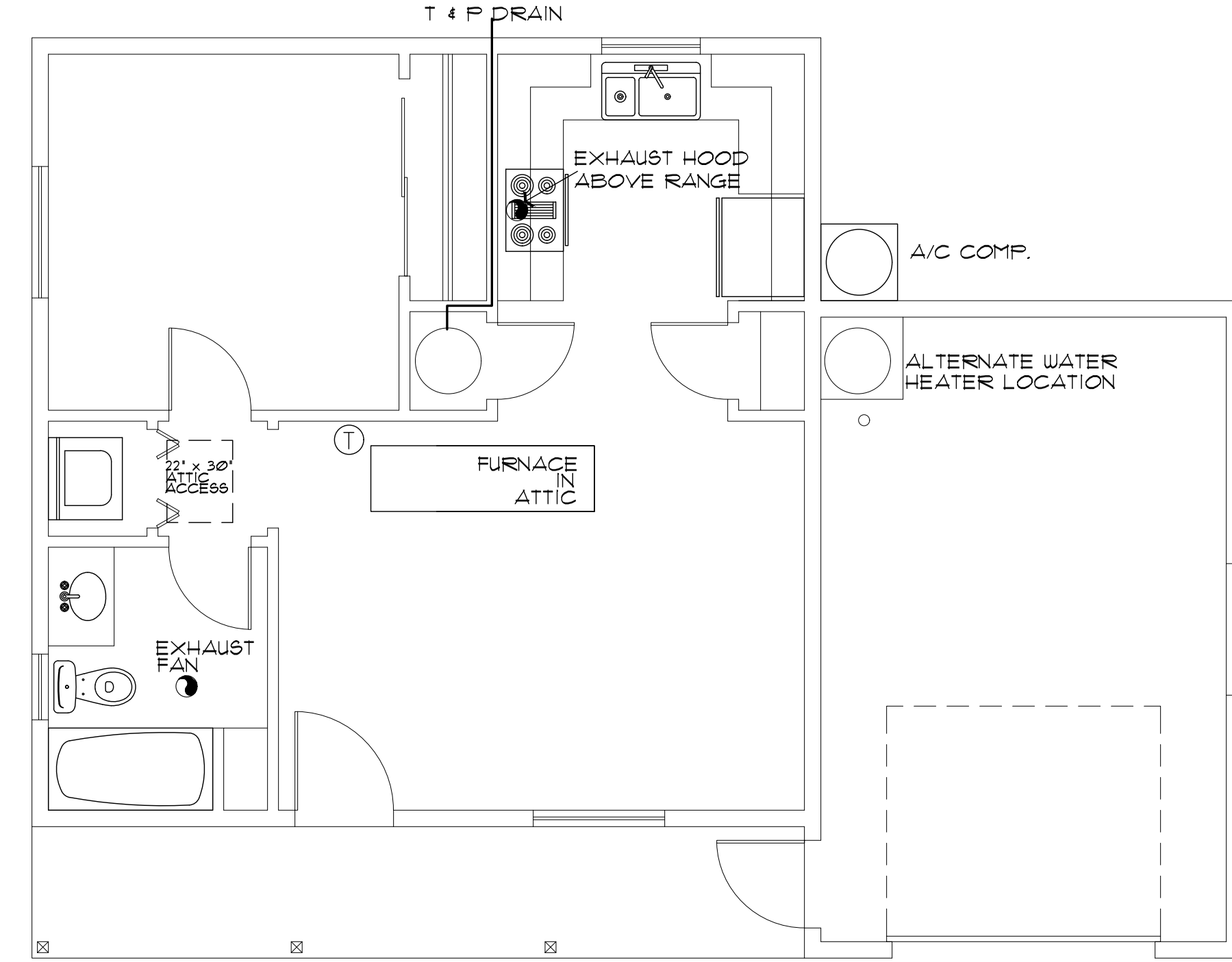
SCALE: 1" = 1'-0"

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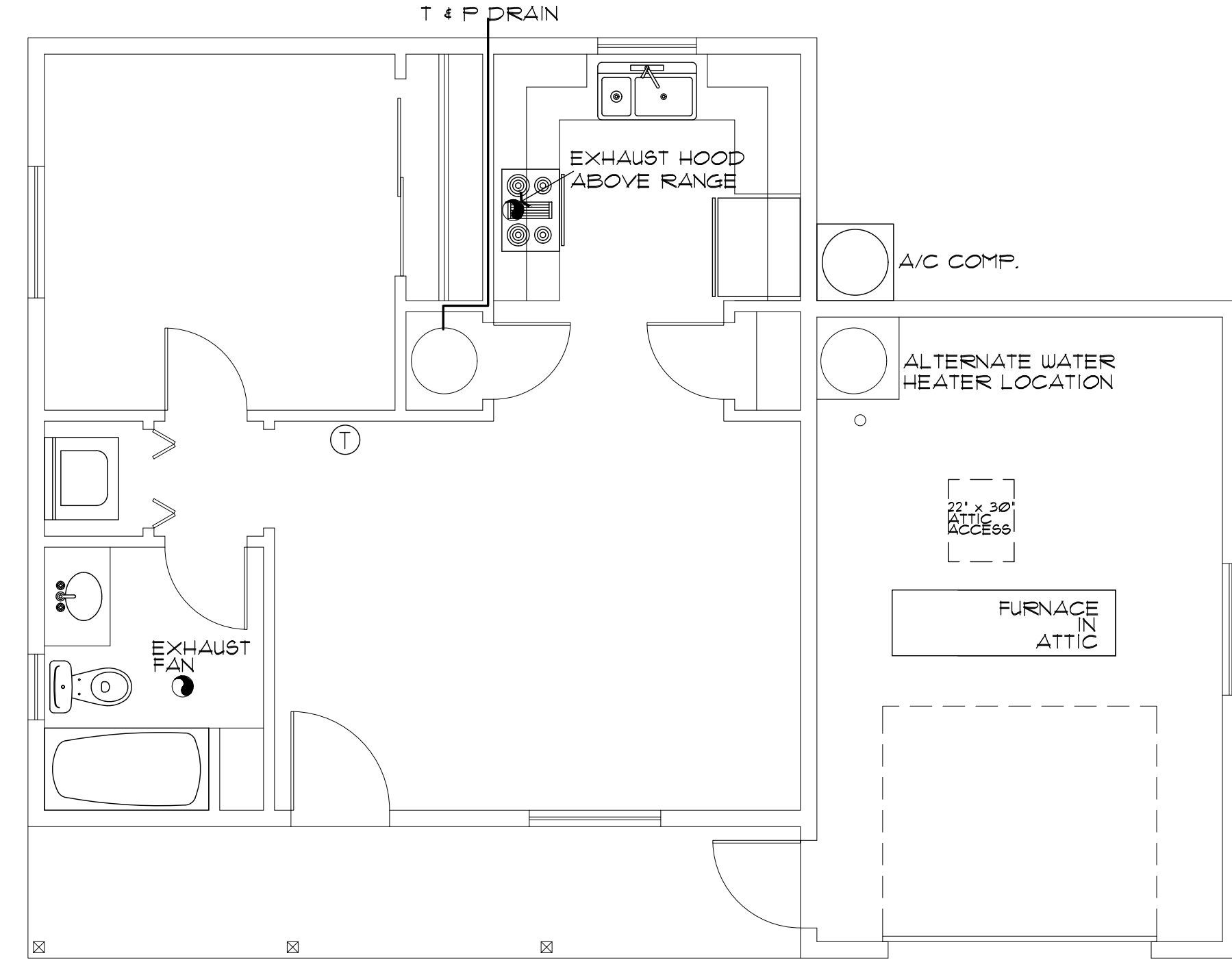


PLUMBING FIXTURE CLEARANCES
 NO SCALE PER IRC FIGURE R321.1



HVAC PLAN (with furnace above habitable area)

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



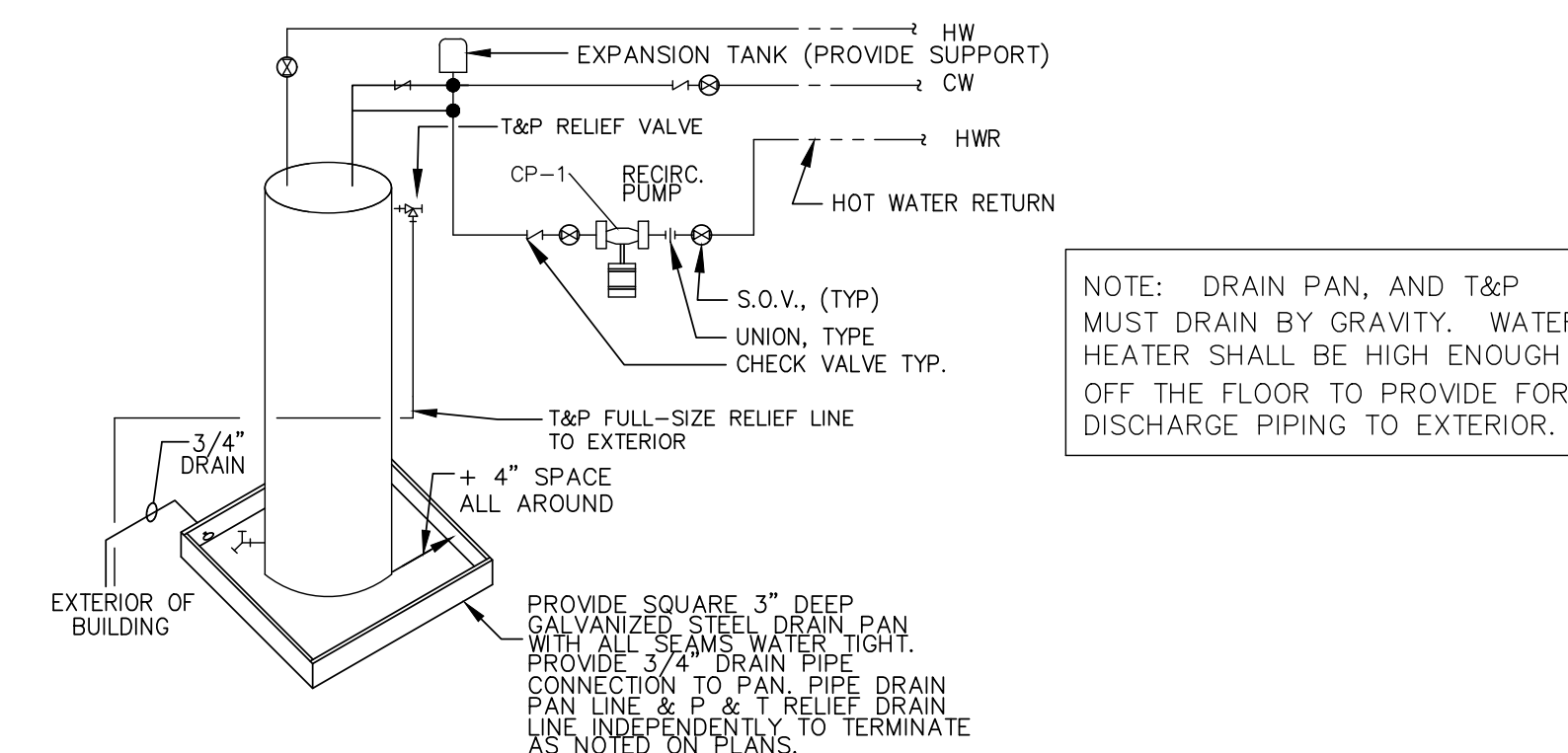
HVAC PLAN (with furnace above Garage / Carport)

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

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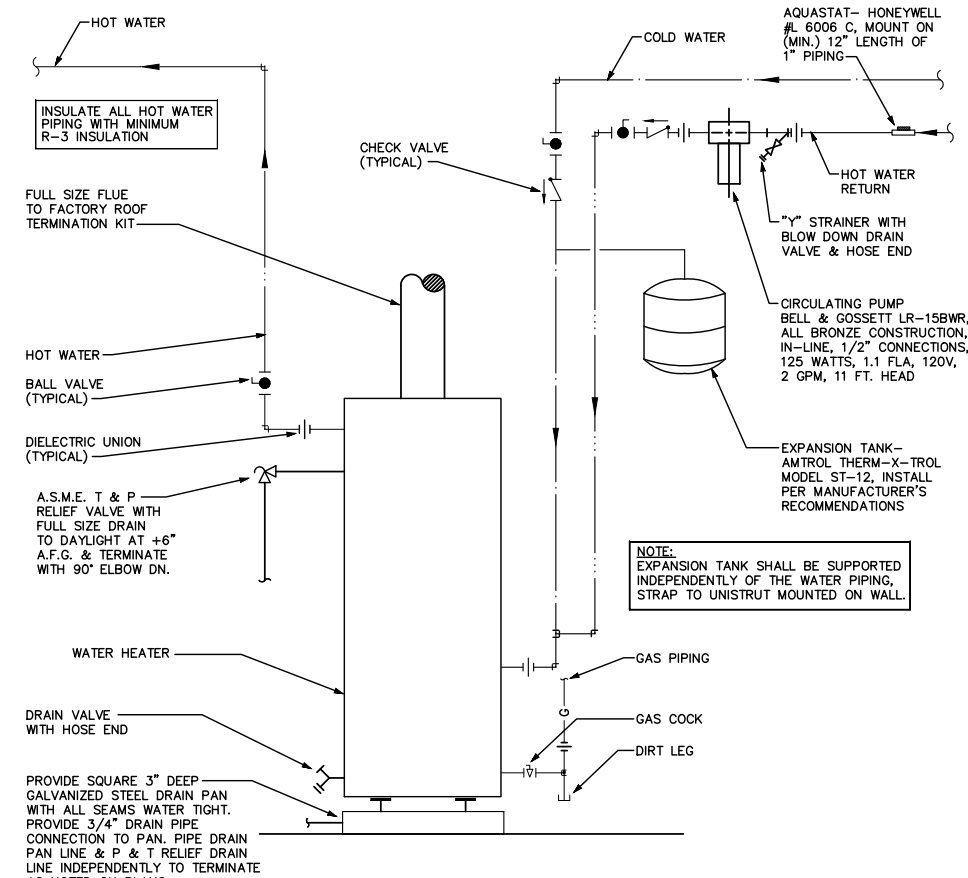
HVAC/PLUMBING GENERAL NOTES:

1. THE MECHANICAL CONTRACTOR SHALL DETERMINE THE FINAL EQUIPMENT SIZING, DUCT SIZING, AND DUCT LAYOUT PRIOR TO INSTALLATION.
 2. DRAIN AND VENT SIZES TO BE DETERMINED BY PLUMBING CONTRACTOR.
 3. WATER HEATER RELIEF VALVE SHALL EXTEND OUTSIDE OF THE BUILDING WITH THE END OF THE PIPE NOT MORE THAN 2' NOR LESS THAN 6" ABOVE THE GROUND AND POINTING DOWNWARD.
 4. PROVIDE A PAN, AND DRAIN FOR THE WATER HEATER.
 5. THE CLOTHES DRYER EXHAUST DUCT SHALL BE AT LEAST THE DIAMETER OF THE APPLIANCE OUTLET AS RECOMMENDED BY THE MANUFACTURER AND SHALL TERMINATE AT THE EXTERIOR OF THE BUILDING. IT SHALL NOT EXCEED 25' IN LENGTH WITH REDUCTIONS FOR BENDS. THE DUCT SHALL TERMINATE NOT LESS THAN 3' FROM A PROPERTY LINE.
 6. THE SITE PLAN SHALL INDICATE THE LOCATION OF THE GAS SOURCE, THE DISTANCE AND PIPE SIZE FROM THE SOURCE, TO THE RESIDENCE, AND THE TYPE OF FUEL (NATURAL GAS OR PROPANE).
1. DOOR AT WATER HEATER CLOSET SHALL BE LOUVERED FOR COMBUSTION AIR (MIN. REQUIREMENTS OF 100 SQ. INCHES OF FREE AIR).



PROVIDE ACCESSIBLE ELECTRICAL DISCONNECT ELECTRIC WATER HEATER

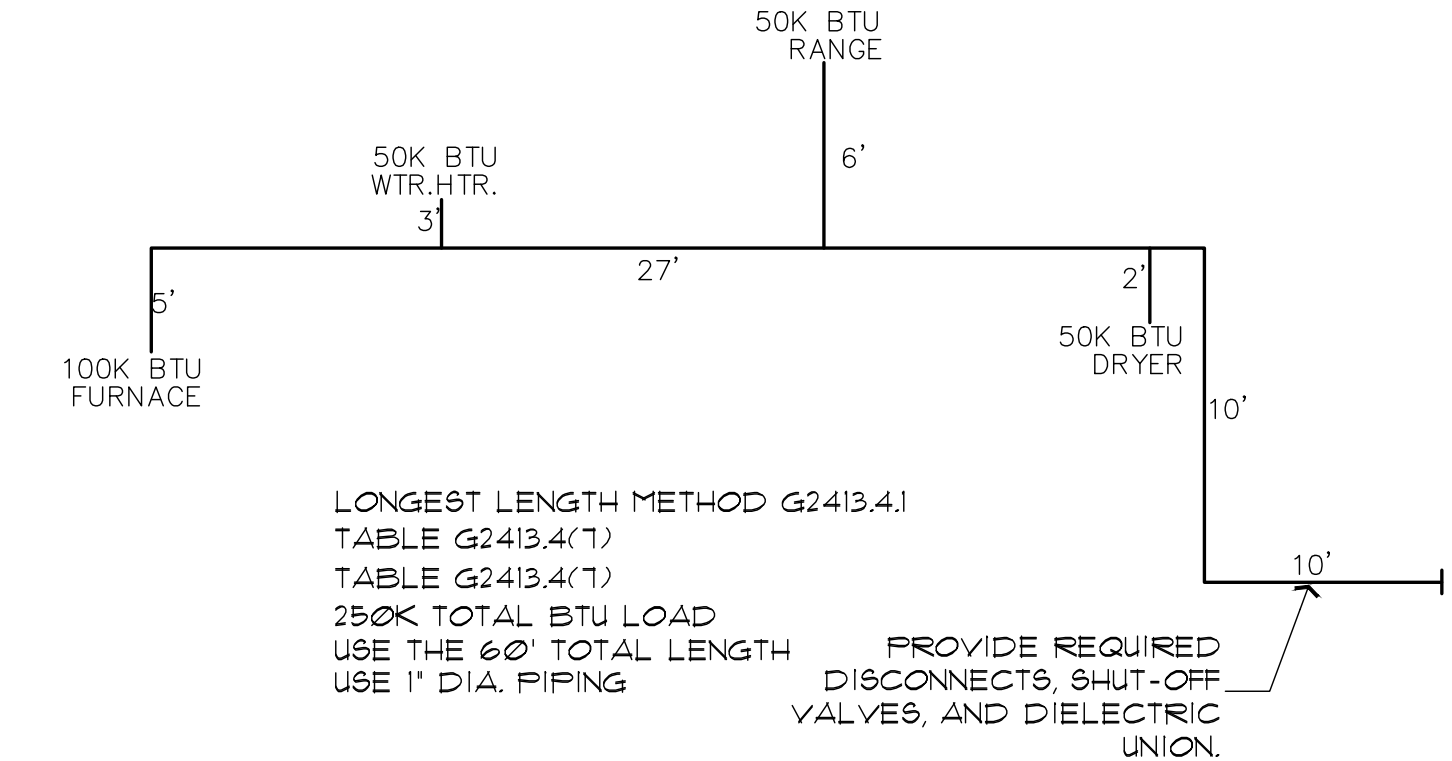
NO SCALE



GAS WATER HEATER OPTION

NO SCALE

- ☒ SUPPLY-AIR GRILL
- ☒ RETURN AIR GRILL
- Ⓣ THERMOSTAT



GAS PIPING ISOMETRIC

NO SCALE

NOTE: USE 1" DIA. PIPING FOR ALL FLOOR PLAN LAYOUTS

THE PLUMBING CONTRACTOR SHALL VERIFY ALL SIZING, AND FITTINGS, PRIOR TO INSTALLATION.

NOTE: EXACT LENGTH FROM EXTERIOR OF STRUCTURE, TO GAS SOURCE, WILL VARY FOR EACH PROJECT. A REVISED GAS ISOMETRIC WILL BE REQUIRED IF THE LOCATION OF THE LP/NG SOURCE EXCEEDS 10' FROM THE STRUCTURE

HVAC LAYOUT, INCLUDING MINI-SPLIT OPTION, AS PER THE PROVIDED MANUAL J, D AND S PROVIDED AT PERMIT SUBMITTAL

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ELECTRICAL / HVAC PLANS SYMBOL SCHEDULE / NOTES PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

YAVAPAI COUNTY, ARIZONA

1015 FAIR STREET
 PRESCOTT, ARIZONA

SHEET NO:

M-1.0

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YAVAPAI COUNTY, ARIZONA

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ELECTRICAL PLANS
SYMBOL SCHEDULE / NOTES
PHASE TWO - 1 BDRM / 1 BATH - RIGHT PARKING

SHEET NO:

E-1.0

ELECTRICAL SYMBOLS

- ⊕ WALL MOUNTED LIGHT FIXTURE
- ⊕ CEILING MOUNTED LIGHT FIXTURE
- ⊕ DP DAMP-PROOF CEILING MOUNTED LIGHT FIXTURE
- ⊕ PENDANT LIGHT FIXTURE
- RECESSED CAN FIXTURE
- ▬ 1' x 4' SURFACE MTD. FLUORESCENT FIXTURE
- ⊕ 110V. DUPLEX CONVENIENCE OUTLET MOUNTED 12" AFF. OR AS NOTED
- ⊕ 110V. 4-PLEX CONVENIENCE OUTLET MOUNTED 12" AFF. OR AS NOTED
- GFCI GROUND-FAULT INTERRUPT
- W/GFCI WEATHER-PROOF GROUND-FAULT INTERRUPT
- ⊕ 220V RECEPTACLE
- ⊕ SINGLE POLE SWITCH MOUNTED AT 48" OR AS NOTED
- ⊕ 3-WAY SINGLE POLE SWITCH MOUNTED AT 48" OR AS NOTED
- ⊕ CEILING EXHAUST FAN
- ⊕ SMOKE DETECTOR
- S/CM SMOKE DETECTOR / CARBON MONOXIDE COMBO
- ⊕ CABLE TV OUTLET
- ⊕ CEILING FAN W/ LIGHT KIT
- ⊕ DOORBELL BUTTON
- ⊕ TELEPHONE OUTLET
- ⊕ INTERNET OUTLET

ELECTRICAL GENERAL NOTES

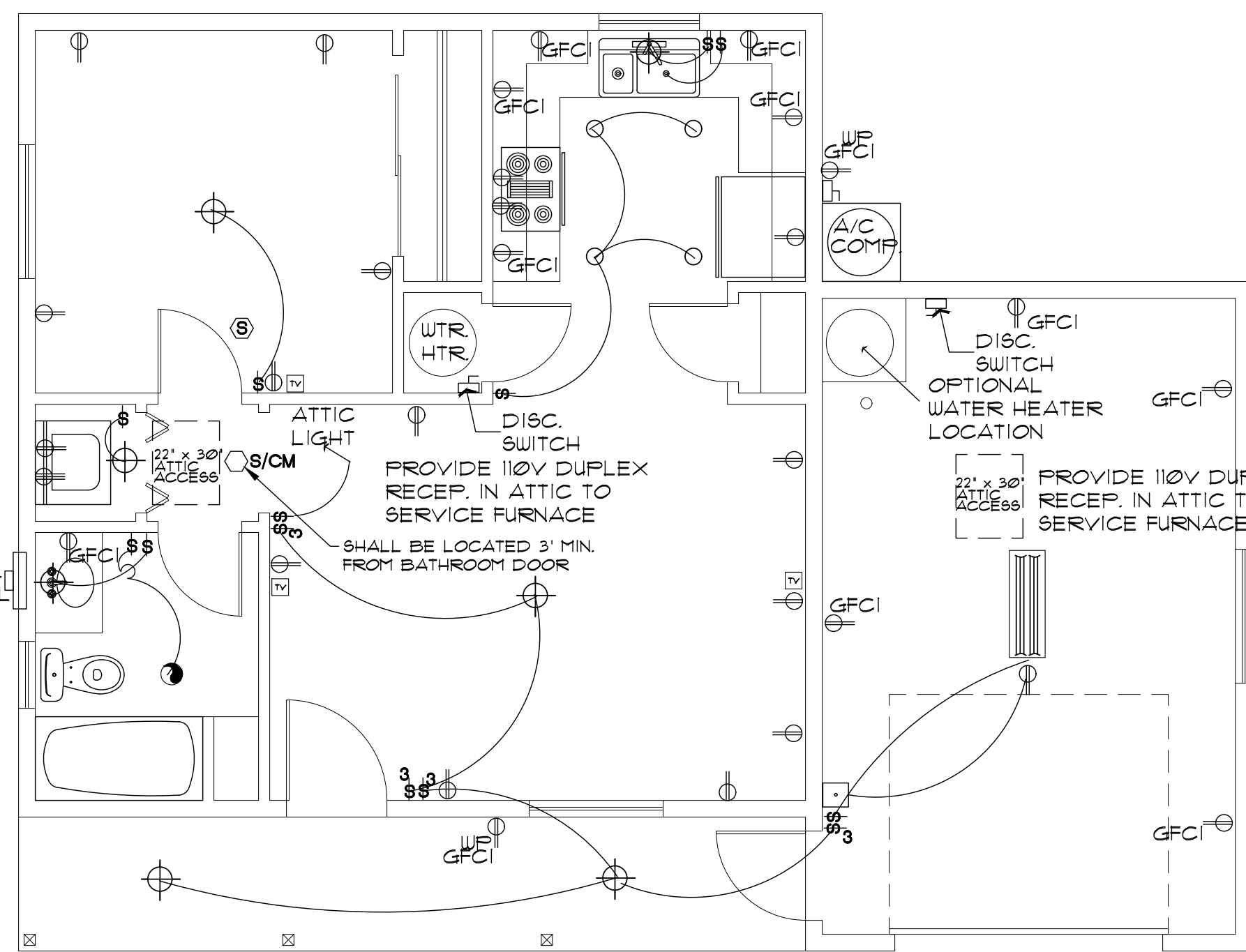
1. ALL WORKMANSHIP, MATERIALS, AND METHODS SHALL CONFORM TO N.E.C. - 2023 EDITION.
2. ALL HABITABLE ROOMS SHALL BE PROVIDED W/ ELECTRICAL OUTLETS SO THAT NO PART OF THE WALL IS MORE THAN 6' FROM AN OUTLET. WALL SECTIONS 2' OR LARGER 4 KITCHEN COUNTERS WIDER THAN 12" SHALL BE SERVICED BY A RECEPTACLE.
3. ALL RECEPTACLES IN BATHROOMS, OUTSIDE 4 WITHIN 6' OF WATER SOURCE SHALL BE GFCI.
4. ALL SMOKE DETECTORS SHALL BE INTERCONNECTED ON SEPARATE CIRCUIT 4 SHALL RECEIVE PRIMARY POWER FROM BUILDING WIRING 4 SHALL HAVE BATTERY BACKUP. CONNECT NEW SMOKE DETECTORS TO NEW AUDIBLE SYSTEM INSIDE EXISTING RESIDENCE.
5. LIGHTS IN CLOSETS SHALL BE 18" FROM SHELVING (MEASURED HORIZTL. OR BE RECESSED).
6. PROVIDE MINIMUM TWO 20A BRANCH CIRCUITS FOR RECEPTACLES LOCATED IN THE KITCHEN, PANTRY, EATING AREA, A SEPARATE 20A BRANCH CIRCUIT TO THE LAUNDRY EQUIP, AND A SEPARATE 20A BRANCH CIRCUIT FOR BATHROOM RECEPTACLES.
7. ALL BRANCH CIRCUITS THAT SUPPLY 120-VOLT SINGLE PHASE 15 & 20 AMP OUTLETS INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PORCHES, LIBRARIES, DEN, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS AND SIMILAR ROOMS OR AREAS SHALL BE PROTECTED BY COMBINATION TYPE ARC FAULT CIRCUIT INTERRUPTERS INSTALLED TO PROVIDE PROTECTION.
8. FIXTURES, FITTINGS, BOXES AND RECEPTACLES LOCATED IN DAMP OR WET LOCATIONS SHALL BE 'LISTED' TO BE SUITABLE FOR SUCH CONDITIONS.
9. CONTRACTOR TO EMBED 20' OF #4 AWG COPPER WIRE IN FOOTING FOR ELECTRICAL SERVICE GROUND. PROVIDE BONDING TO THE WATER PIPING AND ABOVE GROUND PORTION OF GAS PIPING SYSTEM.
10. IN KITCHEN AND DINING ROOMS A RECEPTACLE OUTLET SHALL BE INSTALLED AT EACH WALL COUNTER SPACE 12" OR WIDER SO THAT AT NO POINT ALONG THE WALL IS MORE THAN 24" FROM A RECEPTACLE OUTLET AND SHALL BE GFCI PROTECTED.
11. PROVIDE AT LEAST ONE WEATHER PROOF RECEPTACLE OUTLET NOT MORE THAN 6' ABOVE GRADE AND GFCI PROTECTED. AT THE FRONT AND BACK OF EACH DWELLING. ALL RECEPTACLES INSTALLED OUTDOORS MUST BE GFCI PROTECTED.
12. ALL EXTERIOR LIGHTING SHALL CONFORM TO YAVAPAI COUNTY DARK SKY ORDINANCE.
13. IN ATTICS, A SERVICE OUTLET 4 LIGHTING FIXTURE LOCATED NEAR THE APPLIANCE REQUIRING SERVICE SHALL BE CONTROLLED BY A SWITCH AT THE ENTRY OF THE ATTIC. (REQUIRED FOR ATTIC MOUNT FURNACES).
14. 125-VOLT THROUGH 250-VOLT RECEPTACLES THAT SERVE KITCHENS, FOOD AND/OR BEVERAGE PREPARATION AREAS, COOKING AREAS, AREAS LOCATED WITHIN 6' OF THE TOP INSIDE EDGE OF THE BOWL OF A SINK, WITHIN 6' OF THE OUTSIDE EDGE OF A SHOWER STALL OR BATHTUB, LAUNDRY AREAS, AND INDOOR DAMP AND WET LOCATIONS SERVED BY SINGLE-PHASE BRANCH CIRCUITS RATED 150 VOLTS OR LESS TO GROUND SHALL BE GFCI PROTECTED PER E3302.6-11
15. GFCI PROTECTION SHALL BE PROVIDED FOR THE BRANCH CIRCUIT OR OUTLETS SUPPLYING THE FOLLOWING APPLIANCES RATED 150 VOLTS OR LESS TO GROUND AND 60 AMPERES OR LESS SINGLE OR THREE-PHASE:
 - 15.1 DRINKING WATER COOLERS AND BOTTLE FILL STATIONS
 - 15.2 HIGH-PRESSURE SPRAY WASHING MACHINES
 - 15.3 SUMP PUMPS
 - 15.4 DISHWASHERS
 - 15.5 ELECTRIC RANGES
 - 15.6 WALL-MOUNTED OVENS
 - 15.7 COUNTER-MOUNTED COOKING UNITS
 - 15.8 CLOTHES DRYERS
 - 15.9 MICROWAVE OVENS
16. WHOLE HOUSE SURGE PROTECTION REQUIRED PER E3606.5

ENERGY NOTES:

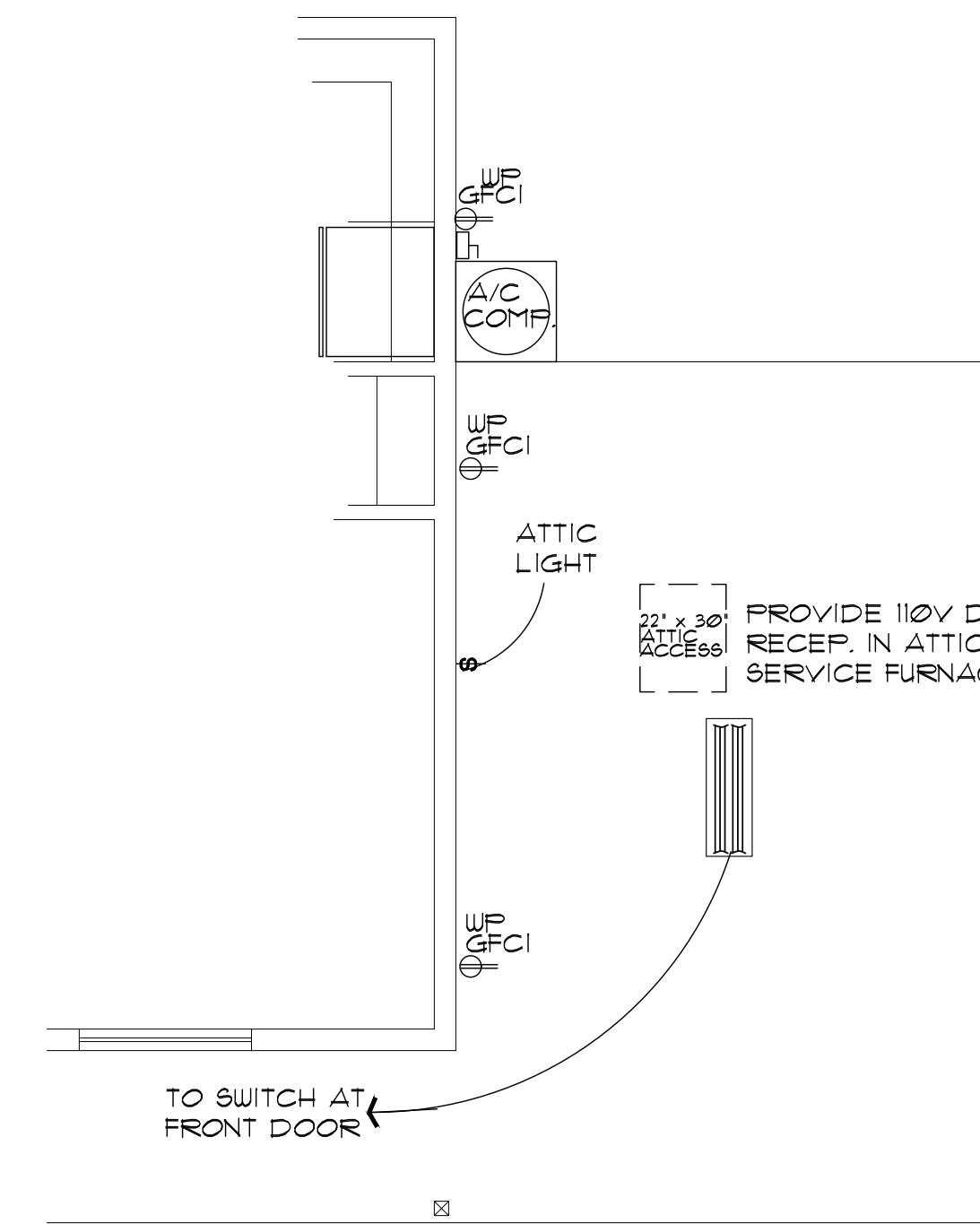
1. WINDOWS DOOR 4 SKYLIGHTS
 - * FENESTRATION U-FACTOR WINDOW AND DOORS TO BE .40 (ZONE 2) 4 .35 (ZONE 4) STICKER SHALL REMAIN ON WINDOWS, SKYLIGHTS 4 DOORS UNTIL INSPECTED AND APPROVED FOR THE ABOVE REQUIREMENT. GLAZED FENESTRATION SHGC 25 (ZONE 2) 4 .40 (ZONE 4)
2. CEILING'S
 - * CEILING INSULATION TO BE MIN. R-38 (ZONE 2) 4 R-49 (ZONE 4) MARKERS SHALL BE AFFIXED TO THE TRUSSES OR JOIST AND MARKED WITH THE MIN. INSTALLED THICKNESS BY ONE INCH HIGH NUMBERS. A MIN. OF ONE MARKER SHALL BE INSTALLED FOR EVERY 300 SQ. FT. OF AREA WITH NUMBERS TO FACE THE ATTIC ACCESS OPENING. MARKERS MUST BE INSTALLED AT ROUGH IN OR WALL INSULATION INSPECTIONS.
3. WOOD FRAMED EXTERIOR WALLS R-13 (ZONE 2) 4 MIN. R-20 (ZONE 4)
 - * WALL INSULATION SHALL BE IN SUBSTANTIAL CONTACT WITH THE SURFACE BEING INSULATED TO AVOID AIR PATHS THAT BYPASS THE INSULATION.
 - * INSULATION SHALL NOT BE COMPRESSED BY INSET STAPLING OF THE BATT INSULATION OR OTHER MEANS
 - * INSULATION SHALL FILL ALL CAVITIES COMPLETELY BY CUTTING INSULATION AROUND ELECTRICAL OUTLETS AND SWITCHES AND BY SLICING INSULATION TO FIT BEHIND AND IN FRONT OF ELECTRICAL WIRING IN THE CAVITY AND PLUMBING PIPING
 - * BAND JOISTS AND OTHER INTERSTITIAL FLOOR ELEMENTS OF THE WALL SHALL BE INSULATED
4. NOT USED.
5. BUILDING THERMAL ENVELOPE
 - A. THE SEALING METHODS BETWEEN DISSIMILAR MATERIALS SHALL ALLOW FOR DIFFERENTIAL EXPANSION AND CONTRACTION. THE FOLLOWING SHALL BE CAULKED, GASKETED WEATHER STRIPPED OR OTHERWISE SEALED WITH AN AIR BARRIER MATERIAL, SUITABLE FILM OR SOLID MATERIAL.
 - B. ALL JOINTS, SEAMS AND PENETRATIONS.
 - C. SITE BUILT WINDOWS, DOORS AND SKYLIGHTS
 - D. OPENINGS BETWEEN WINDOW AND DOOR ASSEMBLIES AND THEIR RESPECTIVE JAMBS AND FRAMING.
 - E. UTILITY PENETRATIONS.
 - F. DROPPED CEILING'S OR CHASES ADJACENT TO THE THERMAL ENVELOPE.
 - G. KNEE WALLS
 - H. WALLS AND CEILING'S SEPERATING GARAGE FROM CONDITIONED SPACES.
 - I. BEHIND TUBS AND SHOWERS ON EXTERIOR WALLS
 - J. COMMON WALLS BETWEEN DWELLING UNITS
 - K. OTHER SOURCES OF INFILTRATION.

6. FENESTRATION AIR LEAKAGE
 - * WINDOW, SKYLIGHT AND SLIDING GLASS DOOR SHALL HAVE AN AIR INFILTRATION RATE OF NO MORE THAN 0.3 CFM PER SQUARE FOOT, AND SWINGING DOORS NO MORE THAN 0.5 CFM. SPECIFICATIONS SHALL BE LISTED ON THE MANUF. LABEL. (USE TYVEK HOUSE WRAP, INSTALL PER MANUF. SPECS)
7. RECESSED LIGHTING
 - RECESSED LUMINAIRES INSTALLED IN THE BUILDING THERMAL ENVELOPE SHALL BE SEALED TO LIMIT AIR LEAKAGE BETWEEN CONDITIONED AND UNCONDITIONED SPACES BY BEING:
 - A. IC RATED AND LABELED WITH ENCLOSURES THAT ARE SEALED OR GASKETED TO PREVENT AIR LEAKAGE TO CEILING CAVITY OR UNCONDITIONED SPACE 1 OR
 - B. IC RATED AND LABELED AS MEETING ASTM E 2831 OR
 - C. LOCATED INSIDE AIRTIGHT SEALED BOX WITH CLEARANCES OF AT LEAST 0.5 INCH FROM COMBUSTIBLE MATERIAL AND 3 INCHES FROM INSULATION.
8. HEAT PUMP SUPPLEMENTARY HEAT
 - * HEAT PUMPS HAVING SUPPLEMENTARY ELECTRIC- RESISTANCE HEAT SHALL HAVE CONTROLS THAT, EXCEPT DURING DEFROST PREVENT SUPPLEMENTAL HEAT OPERATION WHEN THE HEAT PUMP COMPRESSOR CAN MEET THE HEATING LOAD.
9. CONTROLS
 - * AT LEAST ONE THERMOSTAT SHALL BE PROVIDED FOR EACH SEPARATE HEATING 4 COOLING SYSTEM.
10. DUCT INSULATION
 - * SUPPLY AND RETURN DUCTS SHALL BE INSULATED TO A MIN. OF R-8 (EXCEPT DUCTS THAT COMPLETELY INSIDE THE BUILDING THERMAL ENVELOPE.)

11. SEALING
 - * ALL DUCTS, AIR HANDLERS, FILTER BOXES, AND BUILDING CAVITIES (NOT FOR AIR SUPPLY) USED AS DUCTS SHALL BE SEALED. JOINTS AND SEAMS SHALL COMPLY WITH SECTION M1401.3 OF THE IRC.
12. MECHANICAL SYSTEM PIPING INSULATION
 - * MECHANICAL SYSTEM PIPING CAPABLE OF CARRYING FLUIDS ABOVE 105 D. F OR BELOW 55 D. F SHALL BE INSULATED TO A MIN. OF R-5
13. CIRCULATING HOT WATER SYSTEMS
 - * ALL CIRCULATING SERVICE HOT WATER PIPING SHALL BE INSULATED TO AT LEAST R-3. ALL NEW RESIDENCES WITH 2 OR MORE BATHROOMS SHALL HAVE A CIRCULATING HOT WATER SYSTEM. CHWS SHALL INCLUDE AN AUTOMATIC OR READILY ACCESSIBLE MANUAL SWITCH THAT CAN TURN OFF THE HWCP WHEN THE SYSTEM IS NOT IN USE. THERMAL SIPHONING SYSTEMS SHALL HAVE A VALVE TO REDUCE FLOW. ALTERNATE SYSTEM SHALL BE CONSIDERED.
14. MECHANICAL VENTILATION
 - * OUTDOOR AIR INTAKES AND EXHAUST SHALL HAVE AUTOMATIC GRAVITY DAMPERS THAT CLOSE WHEN THE VENTILATION SYSTEM IS NOT OPERATING.
15. EQUIPMENT SIZING
 - * HEATING 4 COOLING EQUIPMENT SHALL BE SIZED IN ACCORDANCE WITH SECTION M1401.3 OF THE IRC.
16. AIR LEAKAGE
 - AIR FLOW RESTRAINTERS (HOUSE WRAPS) MUST BE:
 - A. IMPERMEABLE TO AIR FLOW.
 - B. CONTINUOUS OVER THE ENTIRE BUILDING ENVELOPE
 - C. ABLE TO WITHSTAND THE FORCES THAT MAY ACT ON IT DURING AND AFTER CONSTRUCTION.
 - D. DURABLE OVER THE EXPECTED LIFETIME OF THE BUILDING.
 - E. ALL SEAMS AND EDGES MUST BE SEALED/TAPED PER MANUF. SPECIFICATIONS



GARAGE OPTION



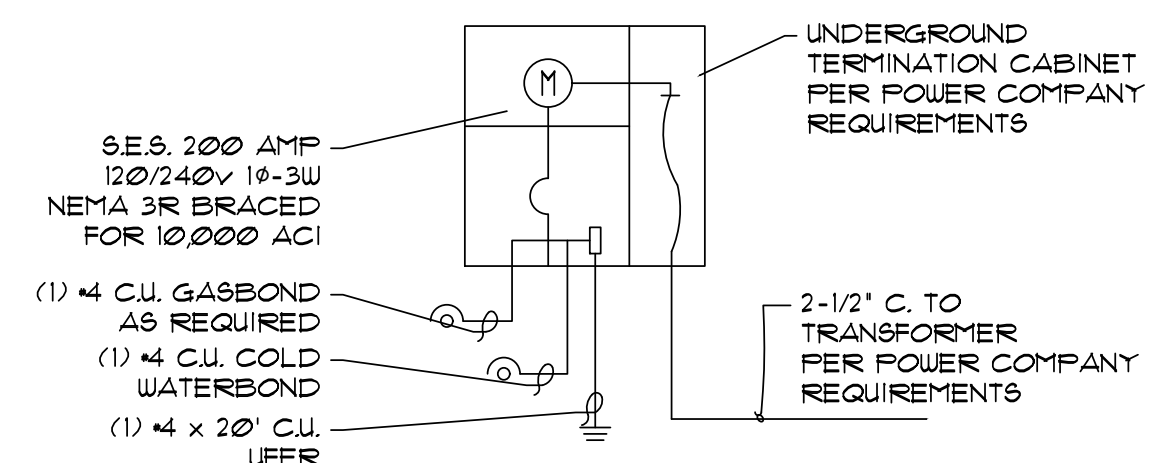
CARPORT OPTION

ELECTRICAL PLAN

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

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MAIN HOUSE LOAD CALC'S	
RESIDENCE 576 SQ FT @ 3 WPST	1728 WATTS
ALTERNATE GARAGE/CARPORT 257 SQ. FT. @ 2 WPST	514 WATTS
TOTAL=	2242 WATTS
APPLIANCE CKT'S (2)=	3000
RANGE-OVEN (1)=	12000
REFRIGERATOR (1)=	1500
MICROWAVE (1)=	1500
DISHWASHER (1)=	1500
DISPOSALS (1)=	1500
WASHER (1)=	1500
DRYER (1)=	5000
WATER HEATER (1)=	4500
LAUNDRY CIRCUIT (1)=	1500
ALT 1 GARAGE DOOR OPENER=	1500
EV CHARGER (1)=	4500
TOTAL GEN LOAD=	41742
1ST 10000 WATTS @ 100%=	10000 WATTS
REMAINING 31742 @ 40%=	12697
1ST C/U & A/H (3T OR 10KW HEAT STRIP)=	14000
TOTAL LOAD=	36697
32950/240VAC=	152.9 AMPS
200 AMP SERVICE ADEQUATE	



NEW 200 AMP 120/240V1Ø3W NEMA 3R SES BRACED FOR 10000 AIC