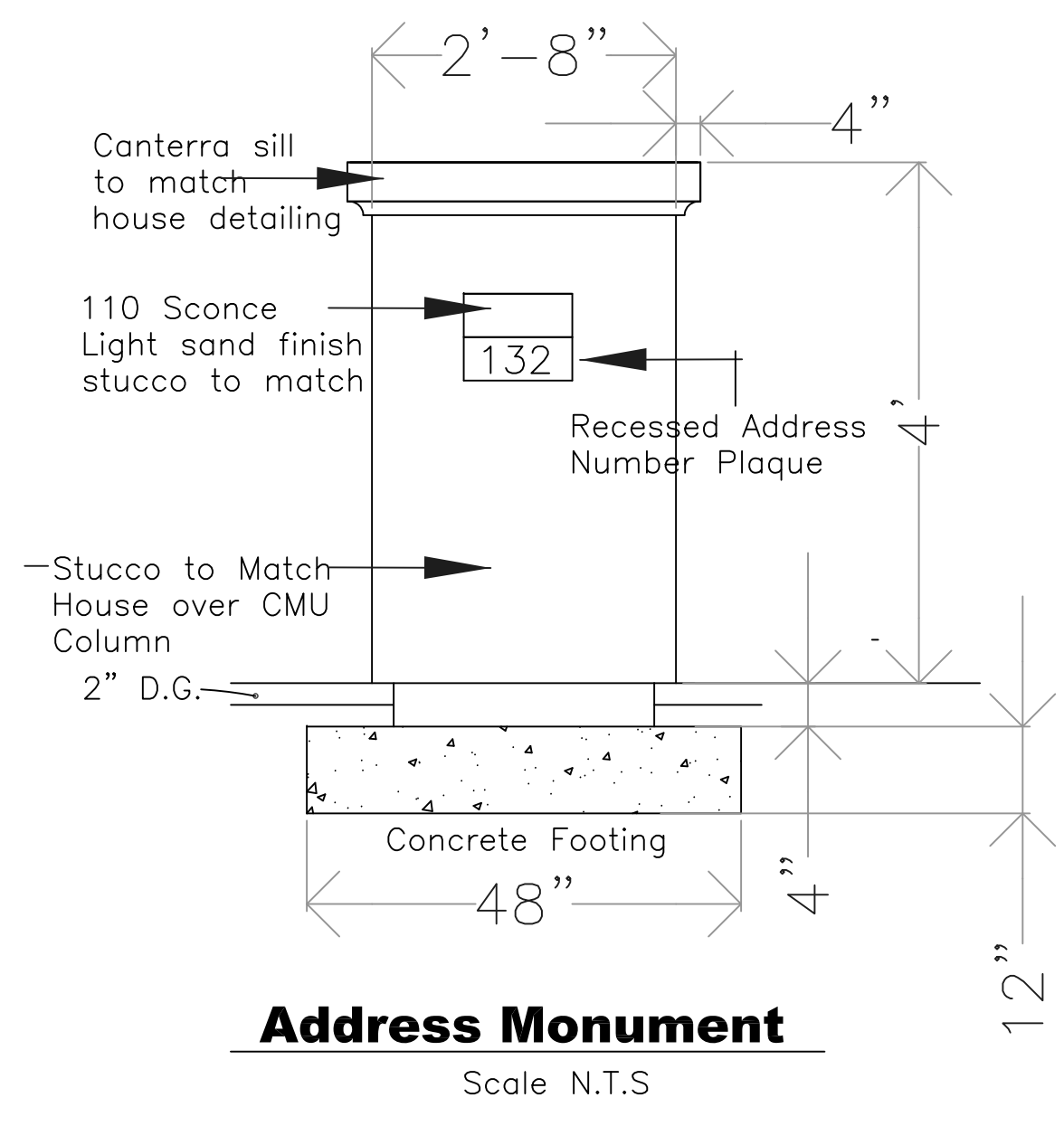
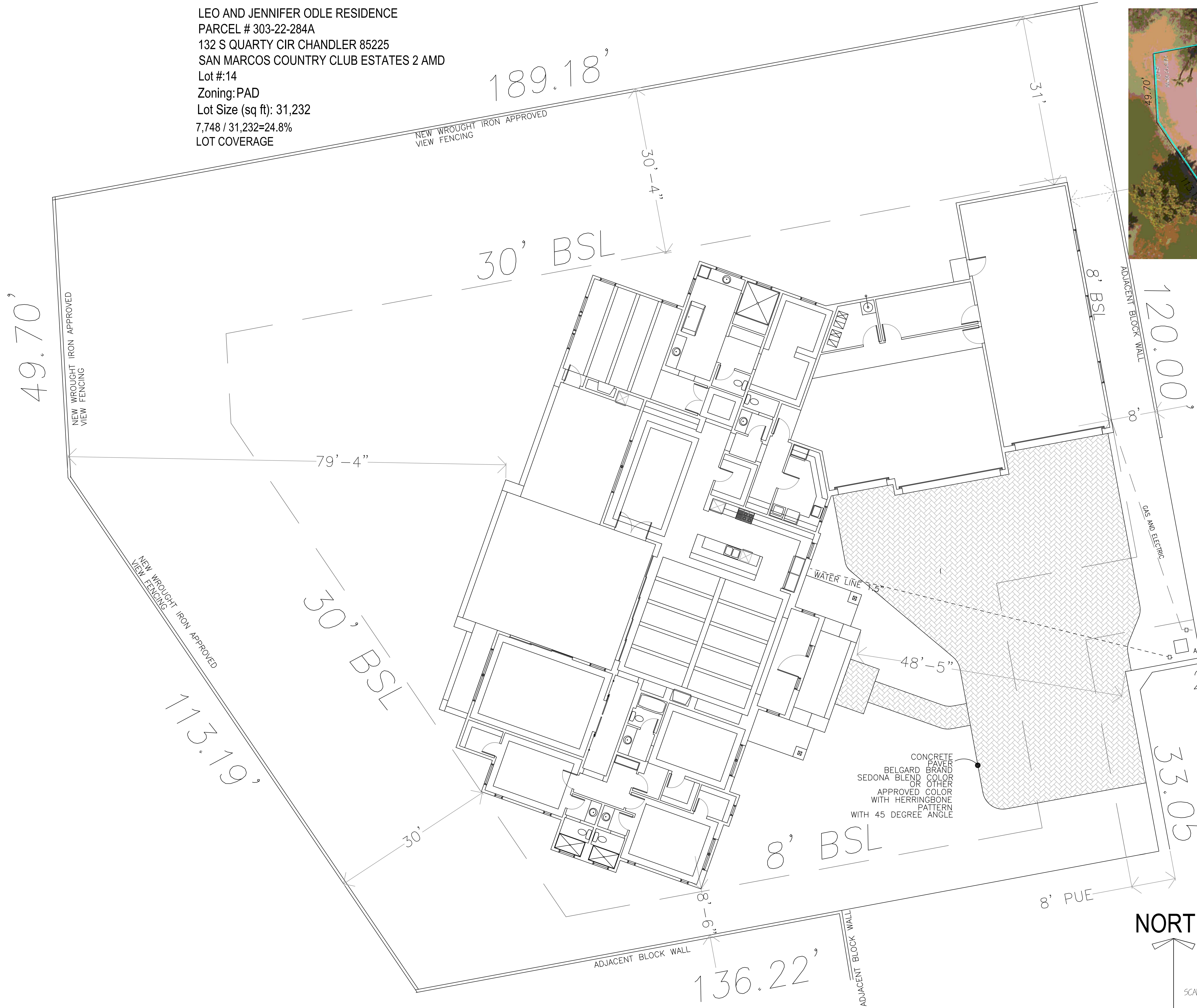


LEO AND JENNIFER ODLE RESIDENCE
 PARCEL # 303-22-284A
 132 S QUARTY CIR CHANDLER 85225
 SAN MARCOS COUNTRY CLUB ESTATES 2 AMD
 Lot #14
 Zoning: PAD
 Lot Size (sq ft): 31,232
 7,748 / 31,232=24.8%
 LOT COVERAGE

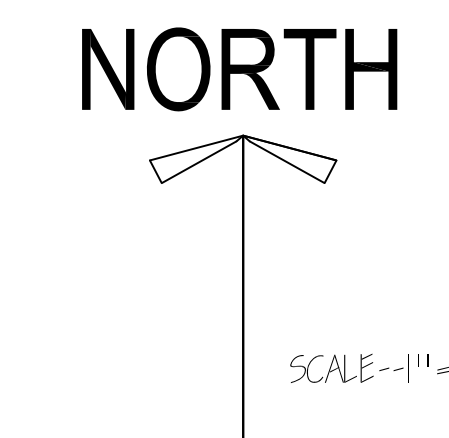


AREA CALCS.	
LIVING AREA	4,232 SQ. FT.
REAR PATIO	1,178 SQ. FT.
VERANDA	263 SQ. FT.
GARAGES/STORAGE/MECH	2,075 SQ. FT.
TOTAL BLDG. AREA	7,748 SQ. FT.

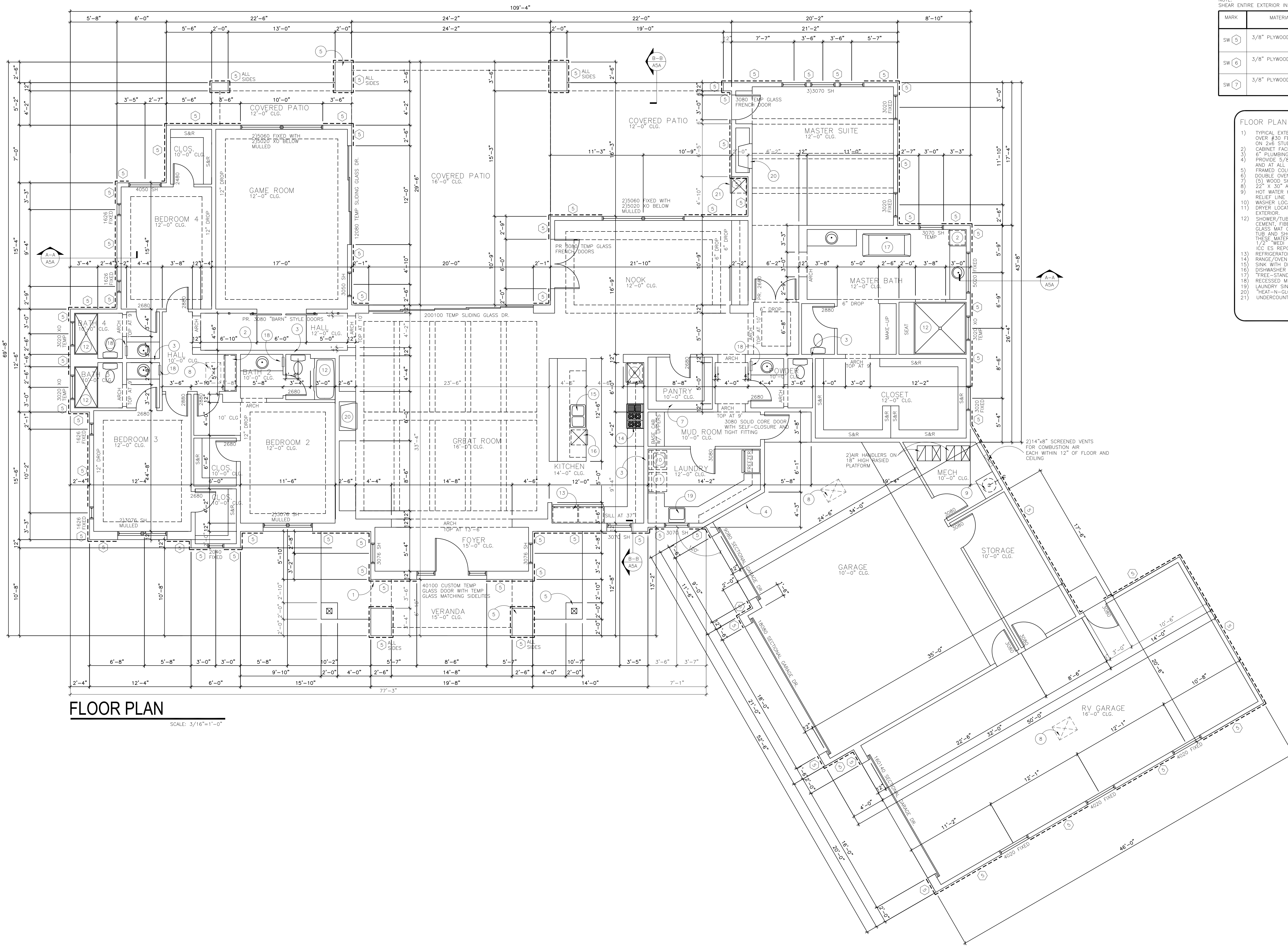
Plans by Dean Drosos llc
 Architecture Site Planning
 602.647.6100
 950 E. ELGIN ST. GILBERT, AZ 85295
 www.arizonahouseplans.com



Sheet S1
 REV 06/20/18



QUARTY CIRCLE



FLOOR PLAN
SCALE: 3/16"=1'-0"

SHEAR WALL SCHEDULE

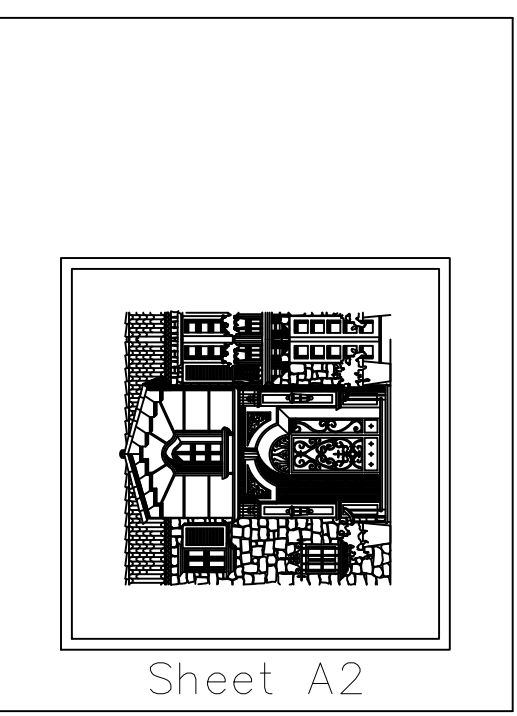
NOTE:
SHEAR ENTIRE EXTERIOR IN ADDITION TO THE FOLLOWING

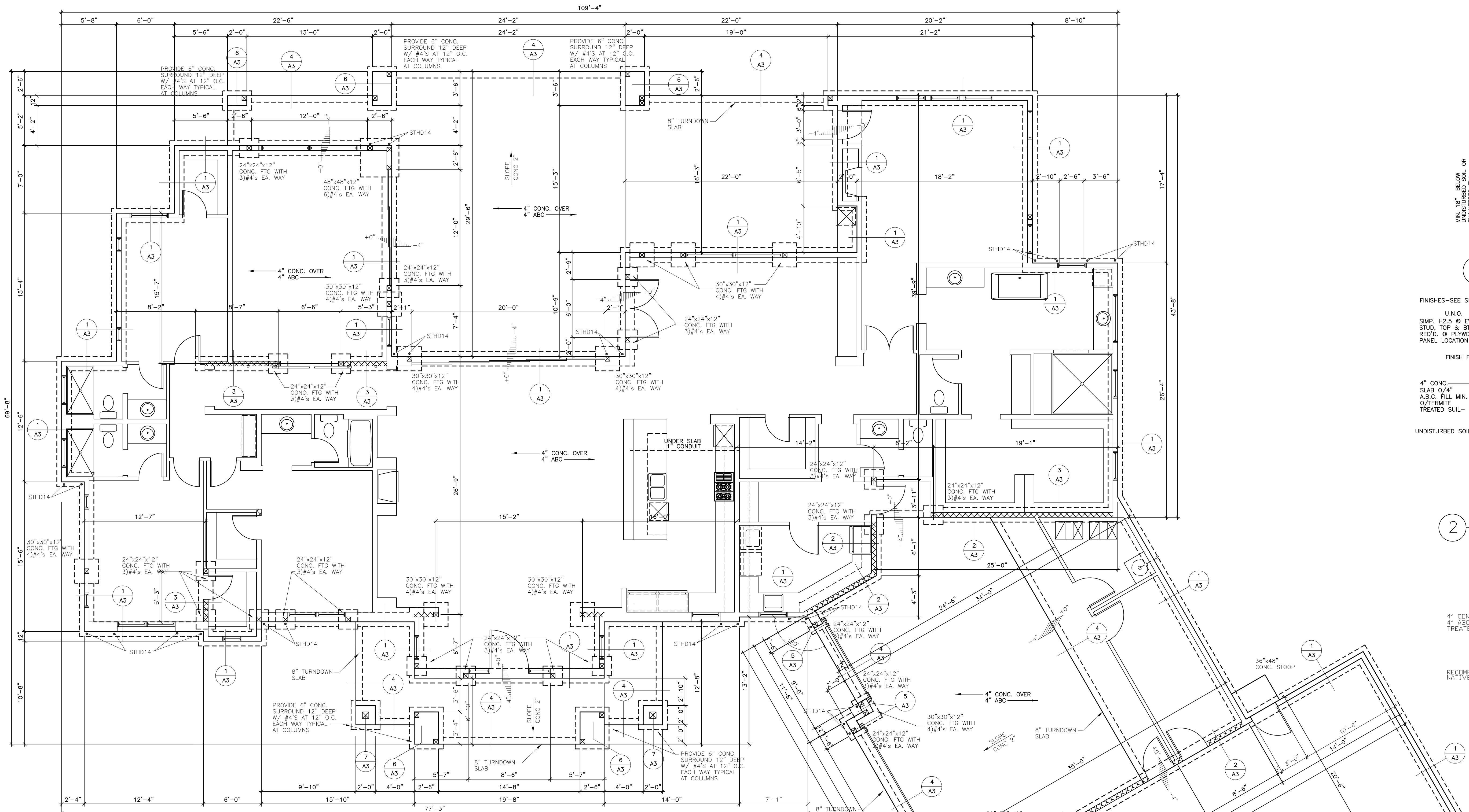
MARK	MATERIAL	FASTENERS	NAILING	FACES	BLOCKING	SILL PLATE ATTACHMENT
SW 5	3/8" PLYWOOD OR OSB	8d COMMON	6" EDGE 12" FIELD	SINGLE	BLOCKED	1/2" A.B. @ 32" O.C.
SW 6	3/8" PLYWOOD OR OSB	8d COMMON	4" EDGE 12" FIELD	SINGLE	BLOCKED	1/2" A.B. @ 24" O.C.
SW 7	3/8" PLYWOOD OR OSB	8d COMMON	3" EDGE 12" FIELD	SINGLE	BLOCKED	1/2" A.B. @ 16" O.C.

- FLOOR PLAN KEYNOTES:**
- 1) TYPICAL EXTERIOR WALL: STUCCO WALL FINISH OVER 1" FOAM OVER #30 FELT OVER 3/8" APA RATED SHEATHING ON 2x6 STUDS AT 16" O.C. ES-2099
 - 2) CABINET FACE AND FRAME
 - 3) 6" PLUMBING WALL
 - 4) PROVIDE 5/8" TYPE 'X' GYP. BD. AT GARAGE WALLS AND CEILING AND AT ALL WALLS SUPPORTING RATED CEILING.
 - 5) FRAMED COLUMNS OR 8x8 POSTS ON CMU BASE, SEE EXTERIOR ELEVATION
 - 6) DOUBLE OVEN
 - 7) (5) WOOD SHELVES
 - 8) 22" x 30" ATTIC ACCESS
 - 9) HOT WATER HEATER ON 18" HIGH RAISED PLATFORM WITH T & P RELIEF LINE TO BUILDING EXTERIOR.
 - 10) WASHER LOCATION
 - 11) DRYER LOCATION - PROVIDE DRYER VENT TO BUILDING EXTERIOR.
 - 12) SHOWER/TUB WITH CERAMIC TILE WANSLOT TO +7'-0" A.F.F. CEMENT, FIBER-CEMENT, FIBER MAT REINFORCED CEMENTITIOUS BACKER UNITS, GLASS MAT GYPSUM BACKERS SHALL BE USED AS BACKERS FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL PANELS IN SHOWER AREAS. THESE MATERIALS SHALL BE USED IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS 1/2" "MEDI FUNDO SHOWER SYSTEM" ICC ES REPORT PMG-1189
 - 13) REFRIGERATOR AND FREEZER WITH ICE MAKER WATER LINE.
 - 14) RANGE/OVEN WITH HOOD - VENT HOOD TO BLDG. EXTERIOR.
 - 15) SINK WITH DISPOSAL.
 - 16) DISHWASHER LOCATION.
 - 17) "FREE-STANDING" TUB
 - 18) RECESSED MEDICINE CABINET.
 - 19) LAUNDRY SINK
 - 20) "HEAT-IN-CLOT" 8000 CLX GAS FIREPLACE (45K BTU W/ BLOWER)
 - 21) UNDERCOUNTER REFRIGERATOR

AREA CALCS.

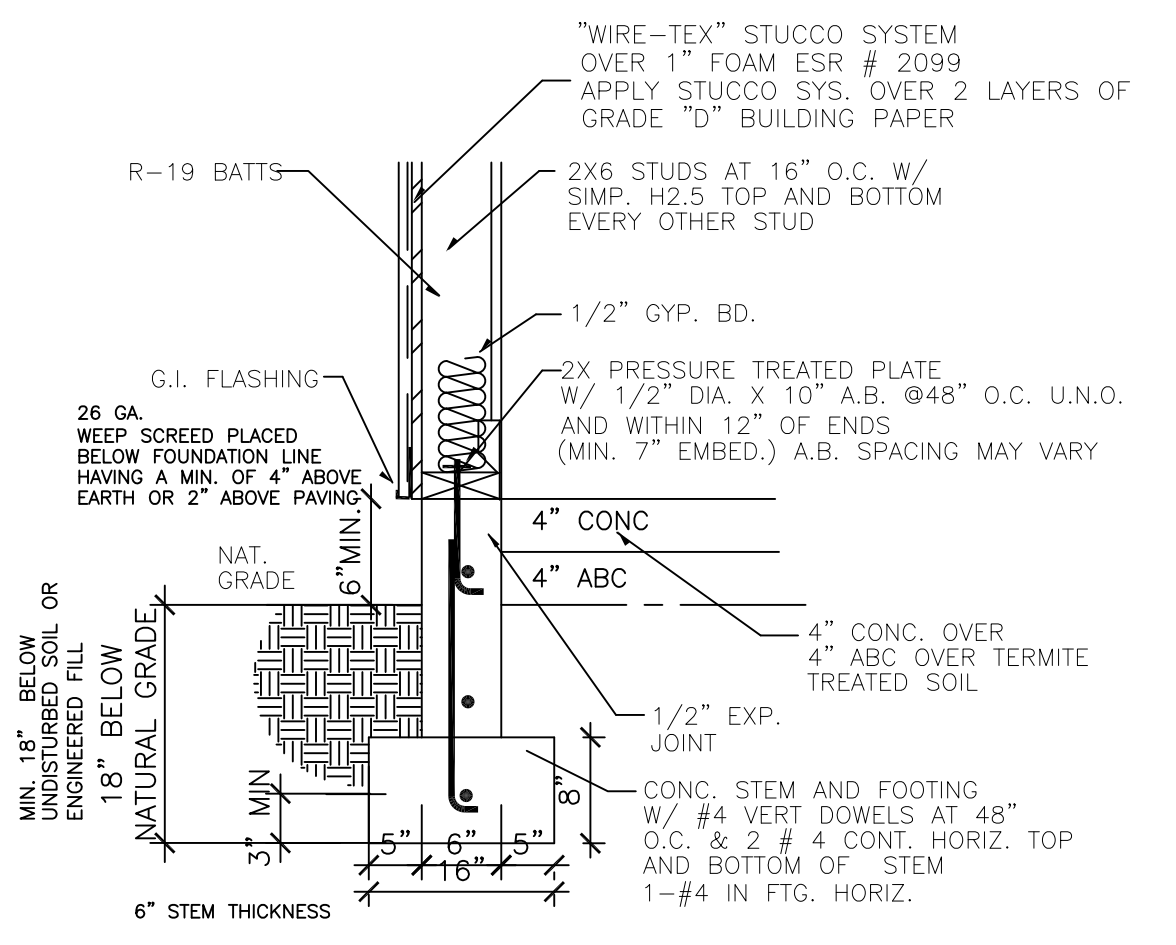
LIVING AREA	4,232 SQ. FT.
REAR PATIO	1,178 SQ. FT.
VERANDA	263 SQ. FT.
GARAGES/STORAGE/MECH	2,075 SQ. FT.
TOTAL BLDG. AREA	7,748 SQ. FT.



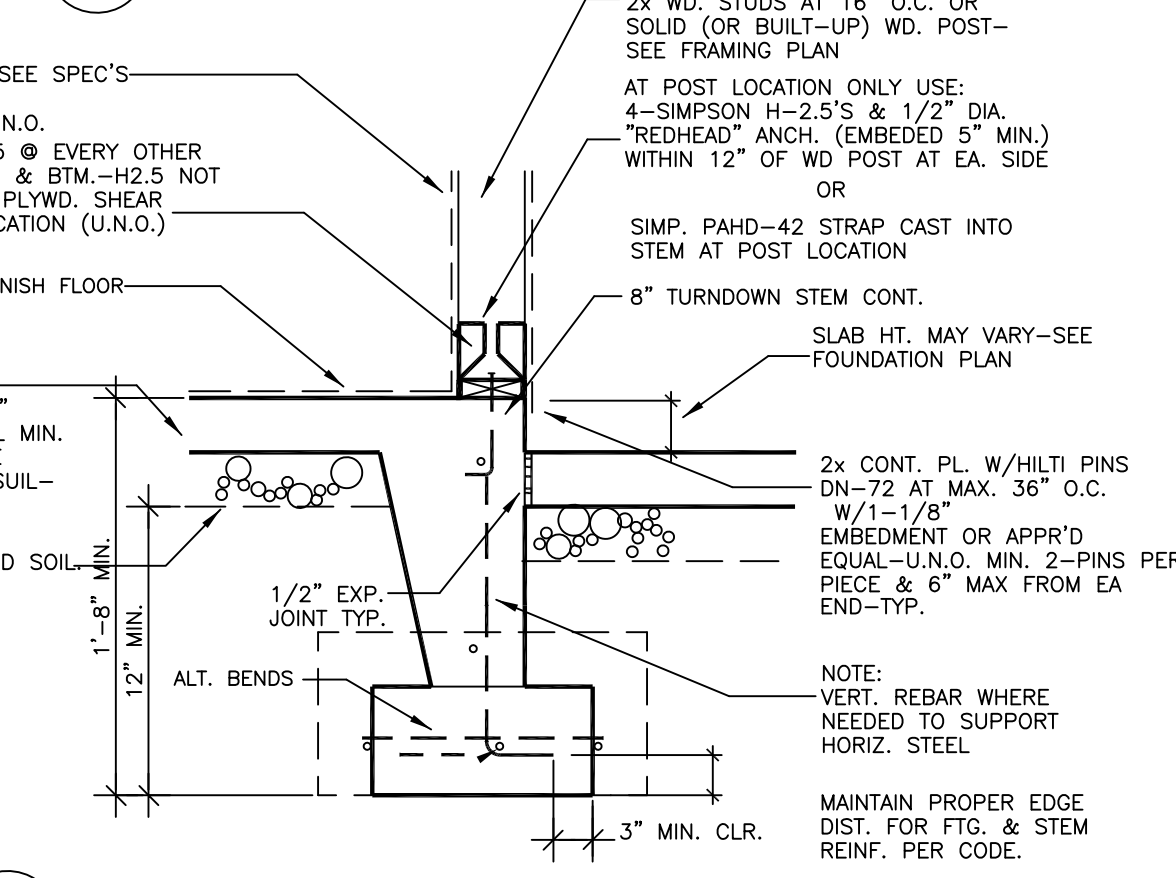


FOUNDATION PLAN

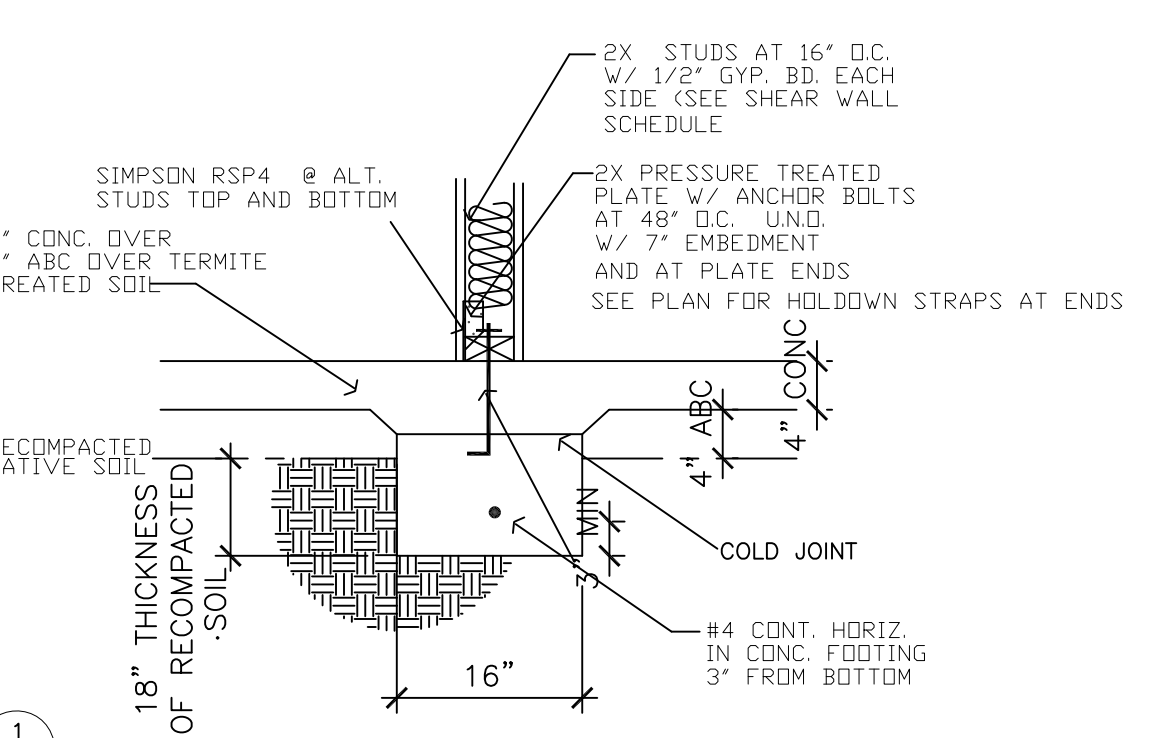
SCALE: 3/16"=1'-0"



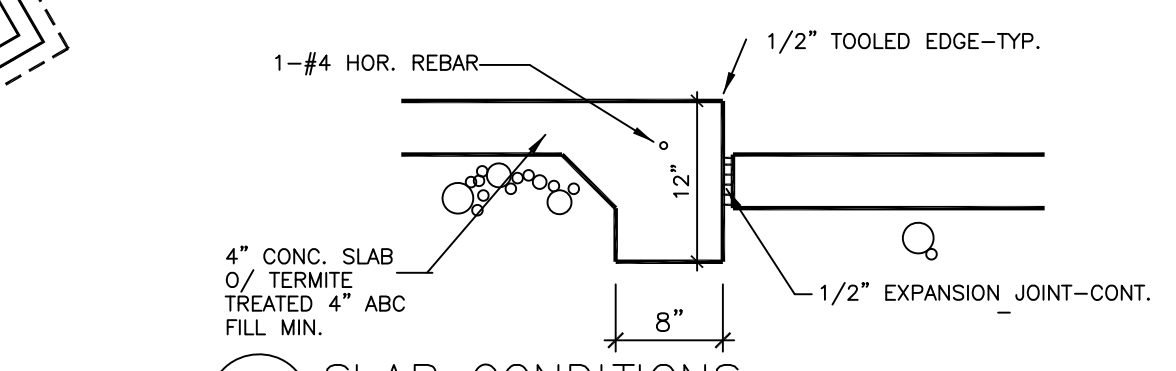
1 EXT. WALL/STEM AND FTG.



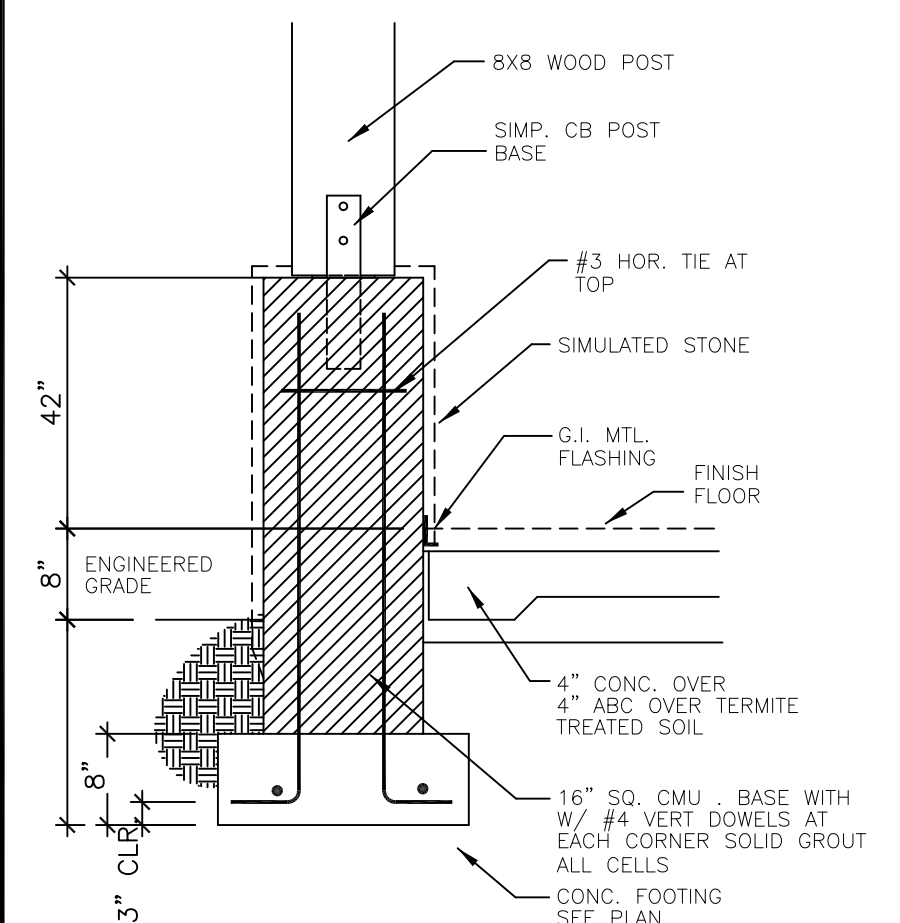
2 BRG. WALL/SUNKEN SLAB POST SIM.



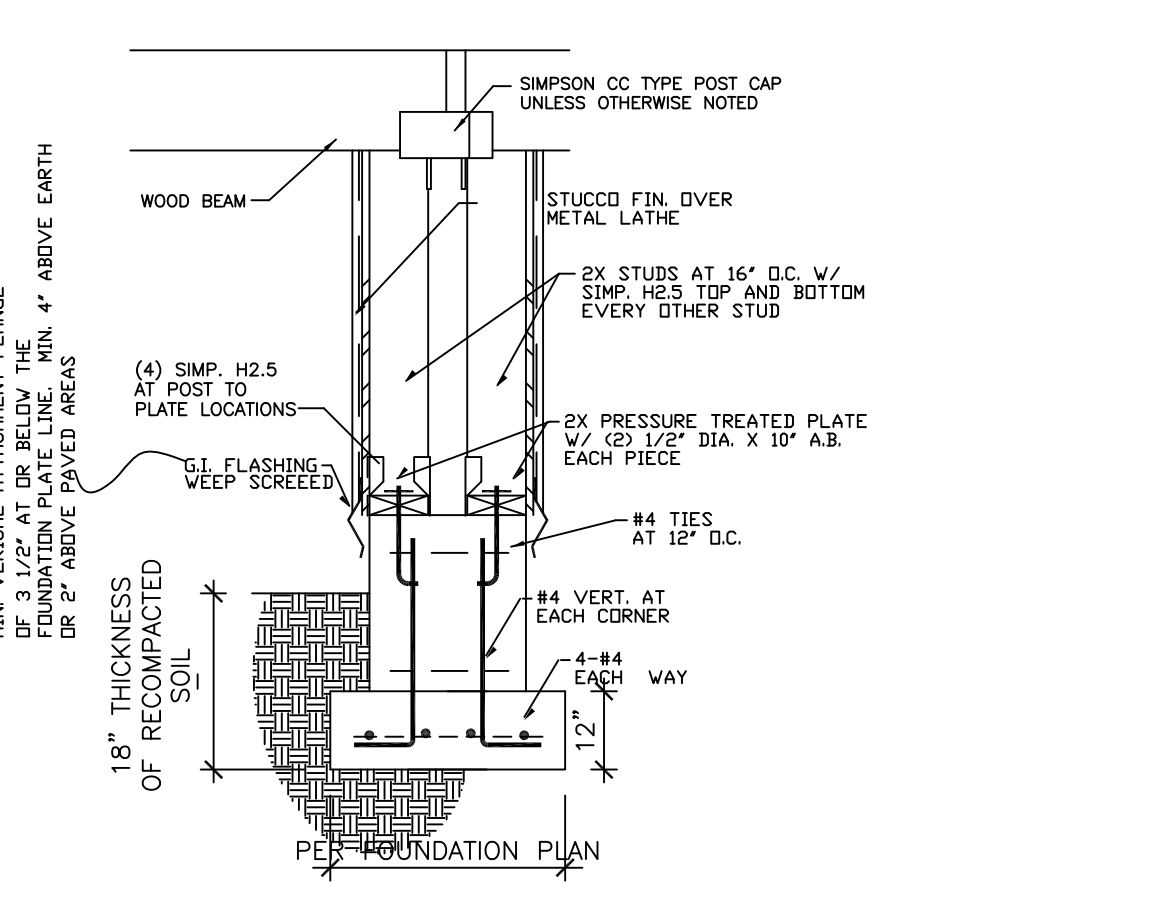
3 BRG. WALL/MONO FTG.



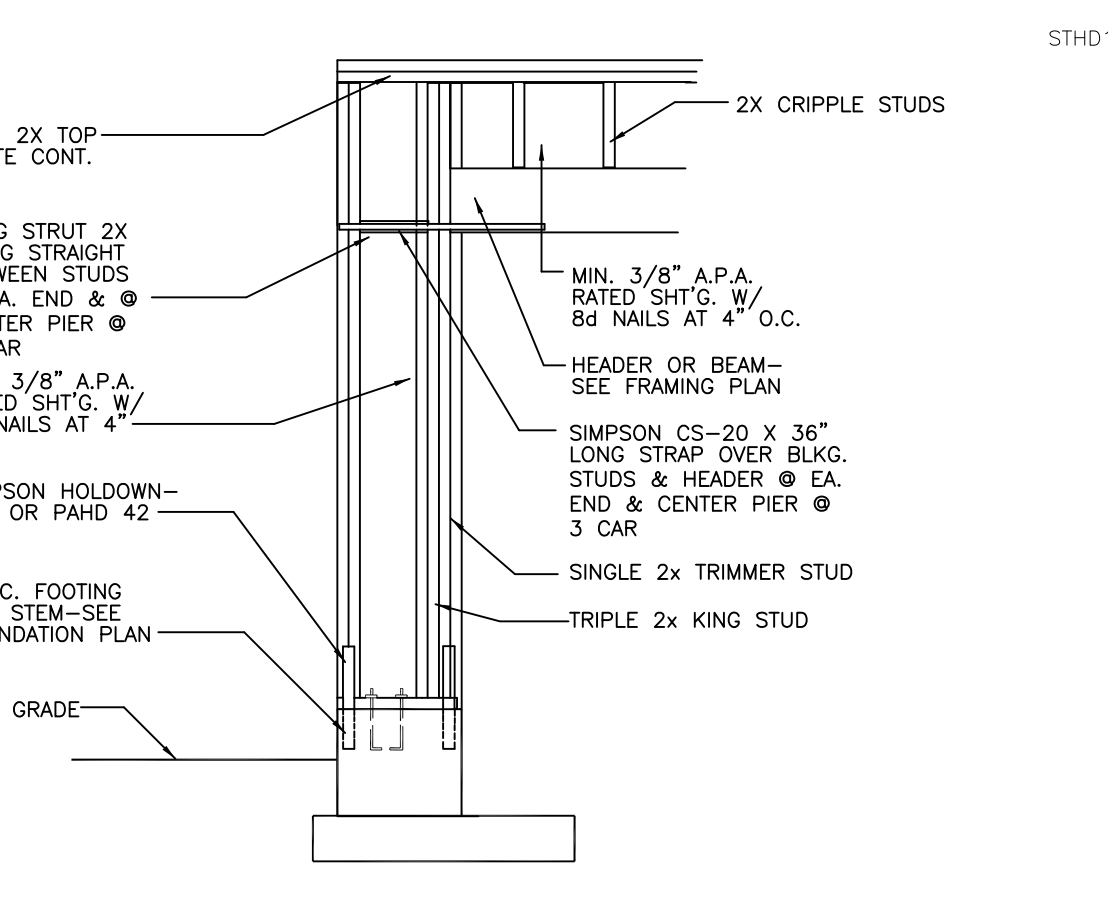
4 SLAB CONDITIONS



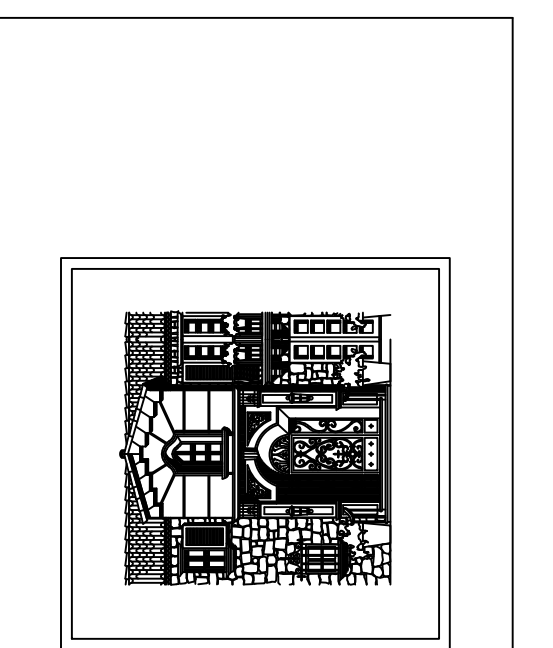
7 POST BASE

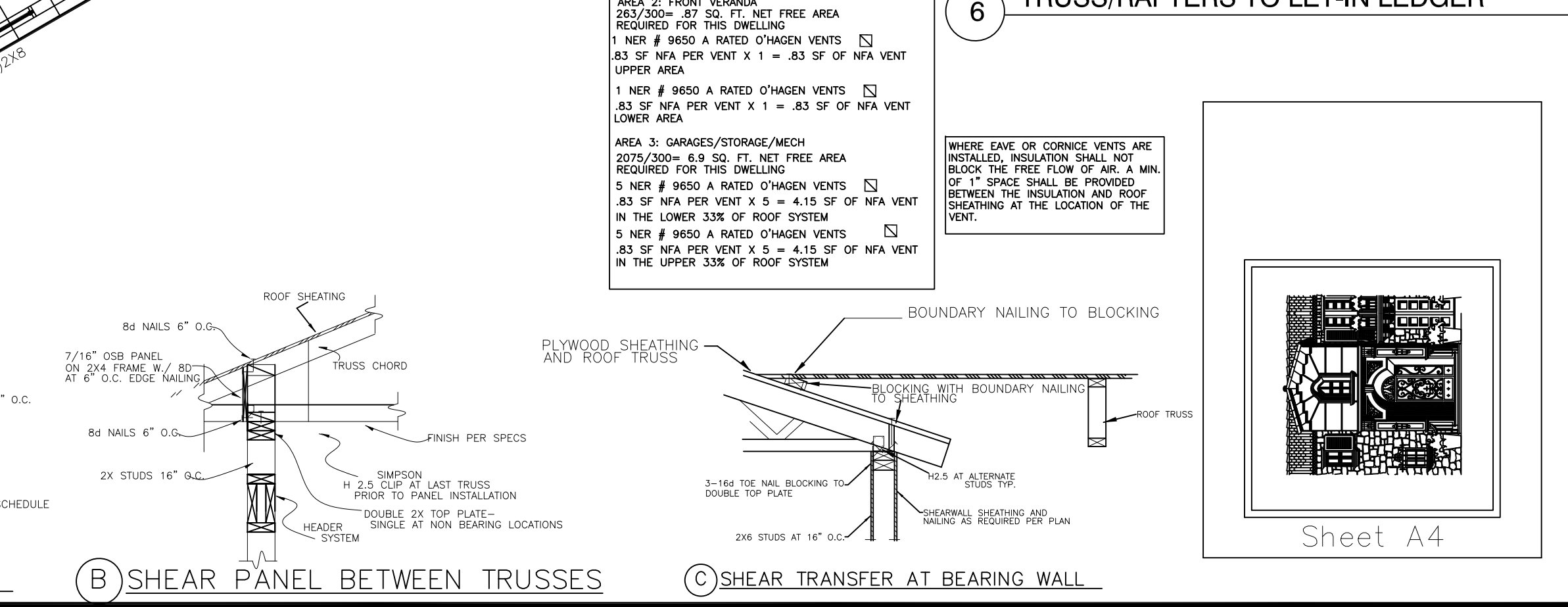
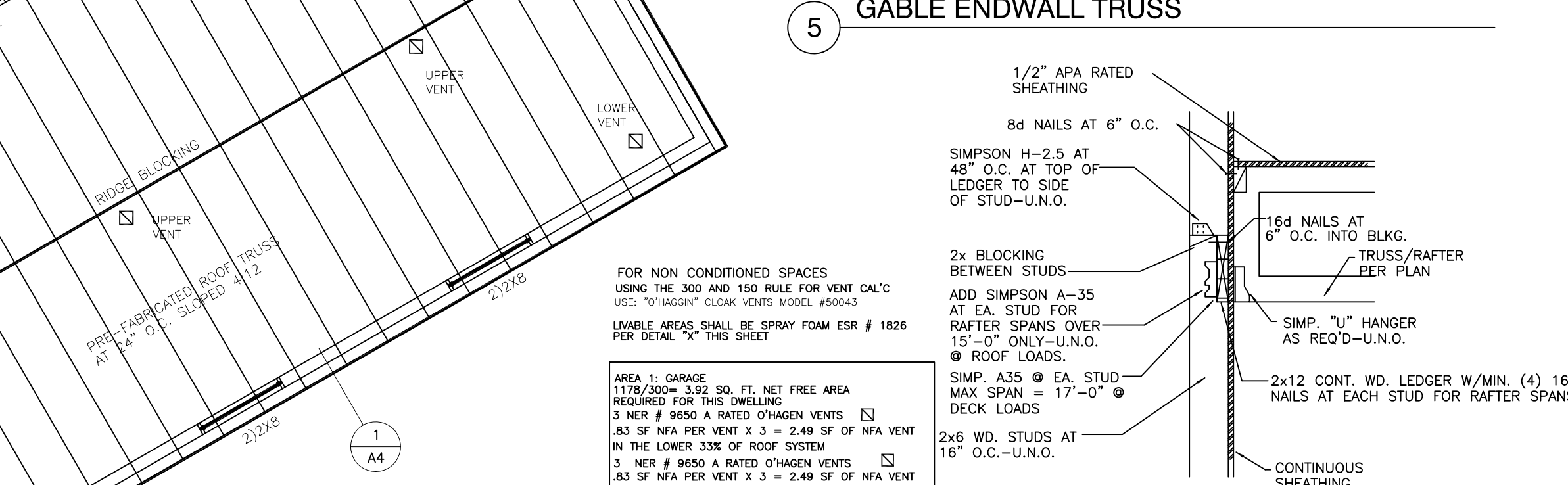
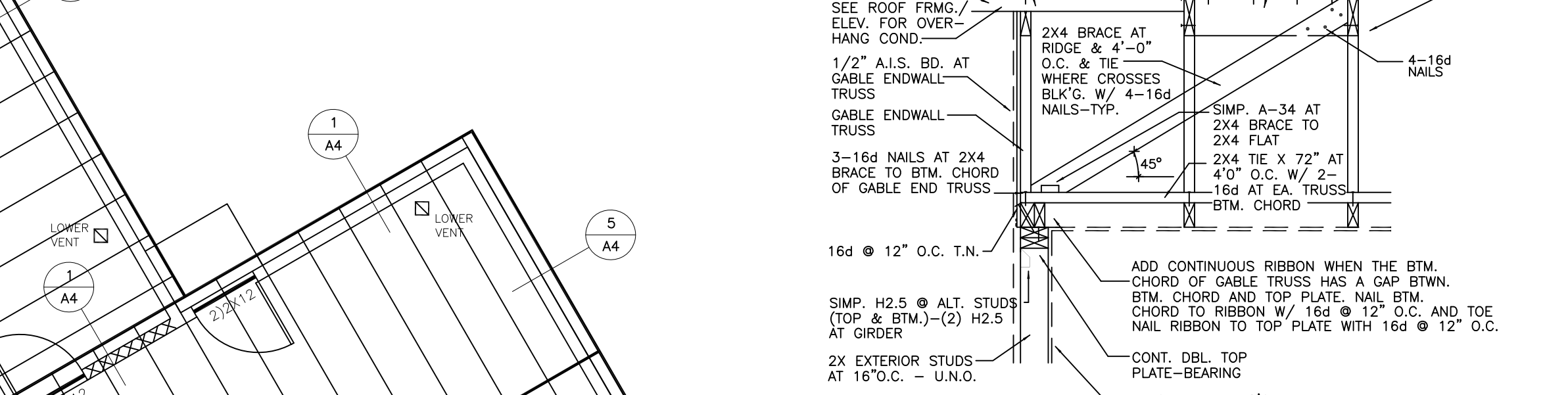
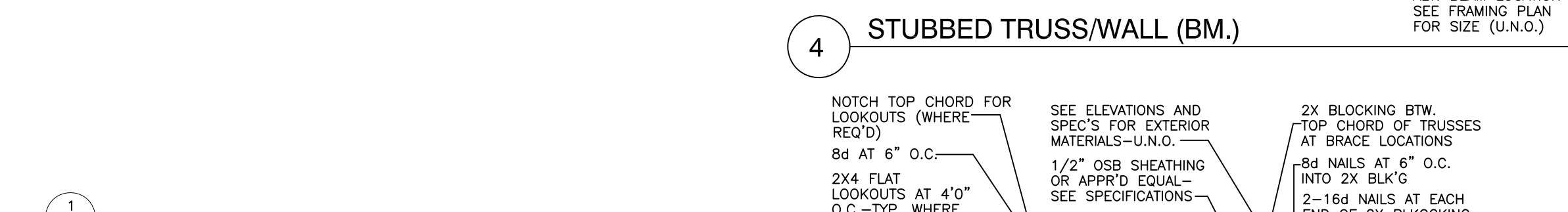
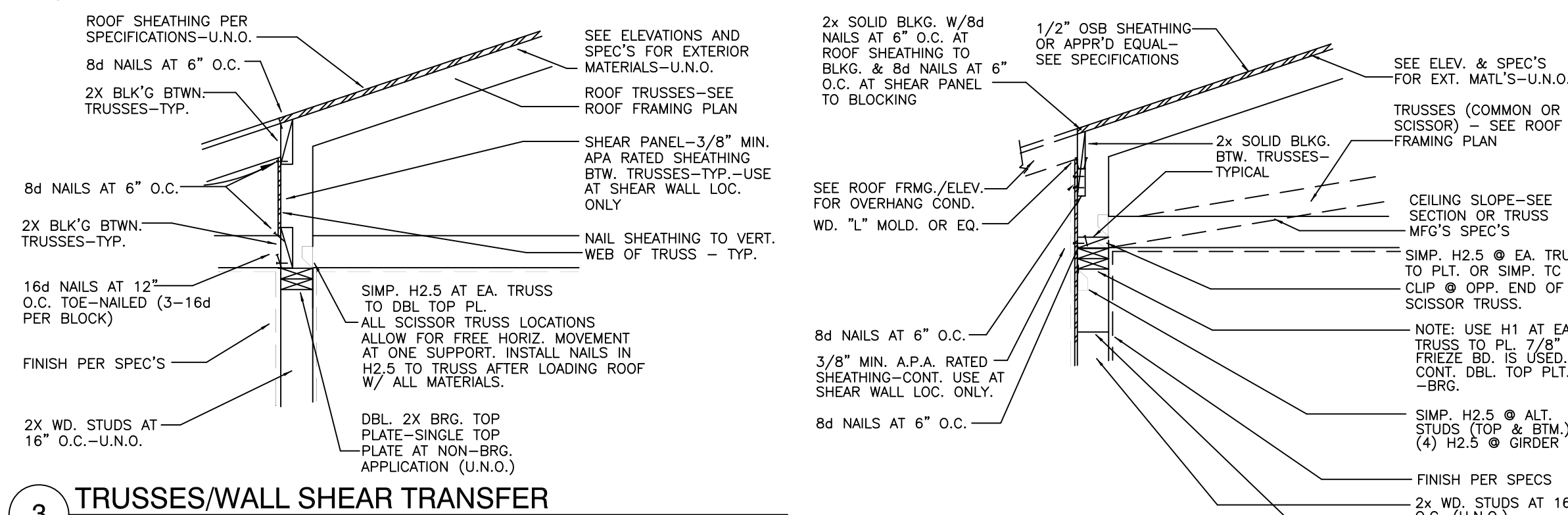
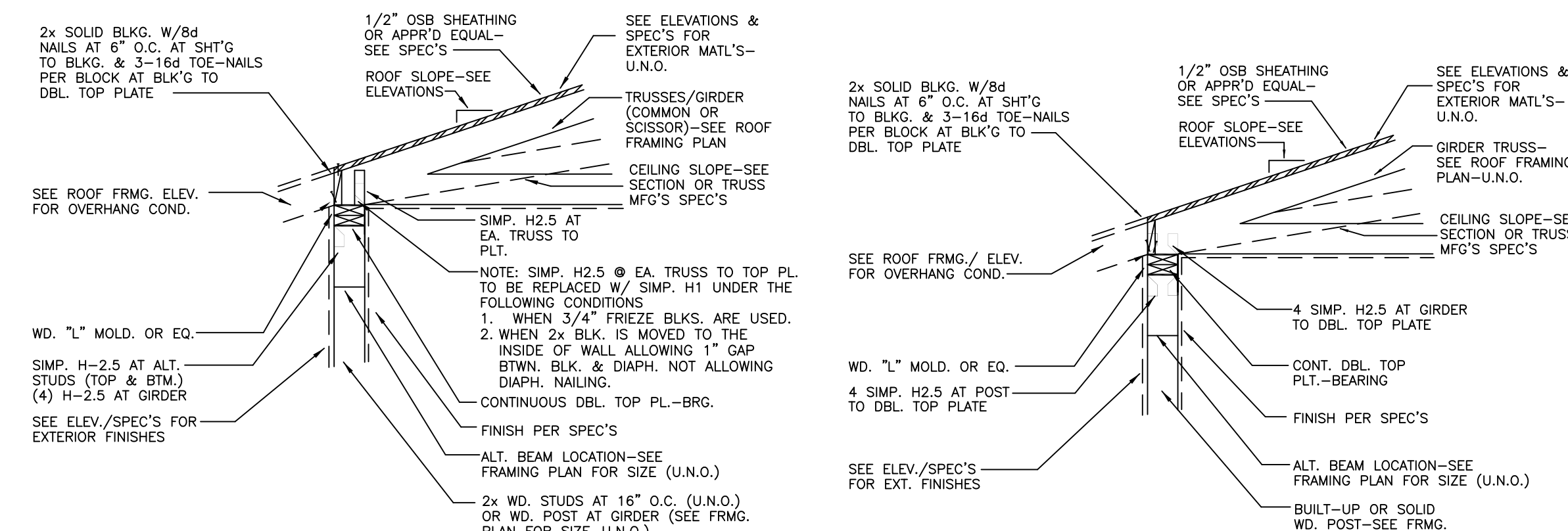
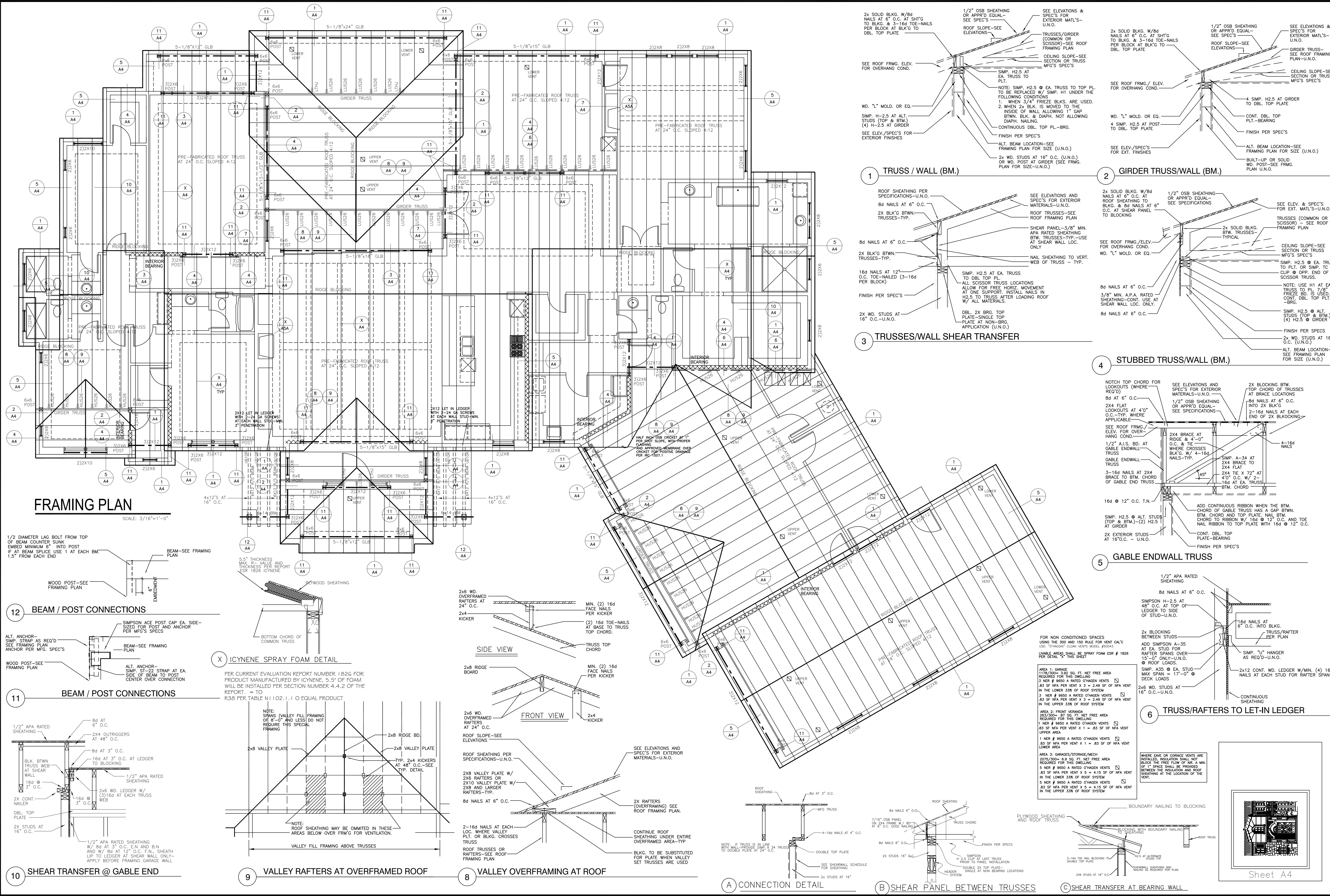


6 FRAMED COLUMN/FTG.



5 TYPICAL DRAG STRUT DETAIL





FRAMING PLAN

SCALE: 3/16"=1'-0"

1/2 DIAMETER LAG BOLT FROM TOP OF BEAM COUNTER SUNK EMBED MINIMUM 6" INTO POST IF AT BEAM SPICE USE 1 AT EACH END 1.5" FROM EACH END

WOOD POST-SEE FRAMING PLAN

BEAM-SEE FRAMING PLAN

EMBEDMENT

12 BEAM / POST CONNECTIONS

SIMPSON ACE POST CAP EA. SIDE-SIZED FOR POST AND ANCHOR PER MFG'S SPECS

BEAM-SEE FRAMING PLAN

WOOD POST-SEE FRAMING PLAN

ALT. ANCHOR-SIMP. STRAP AS REQ'D SEE FRAMING PLAN ANCHOR PER MFG. SPECS

BEAM-SEE FRAMING PLAN

WOOD POST-SEE FRAMING PLAN

ALT. ANCHOR-SIMP. STRAP AT EA. SIDE OF BEAM TO POST CENTER OVER CONNECTION

11 BEAM / POST CONNECTIONS

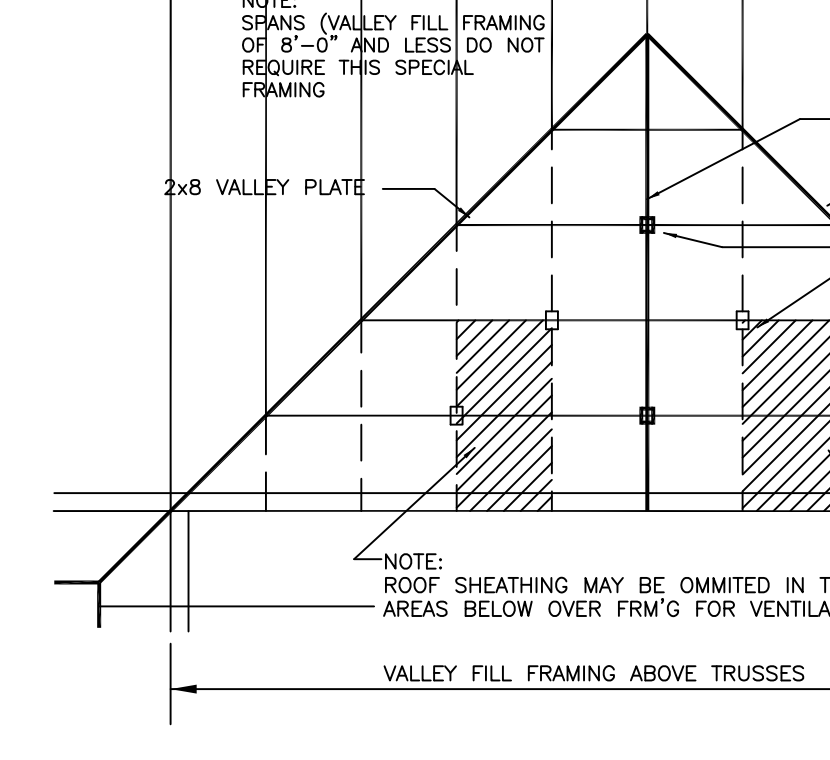
1/2\"/>

10 SHEAR TRANSFER @ GABLE END

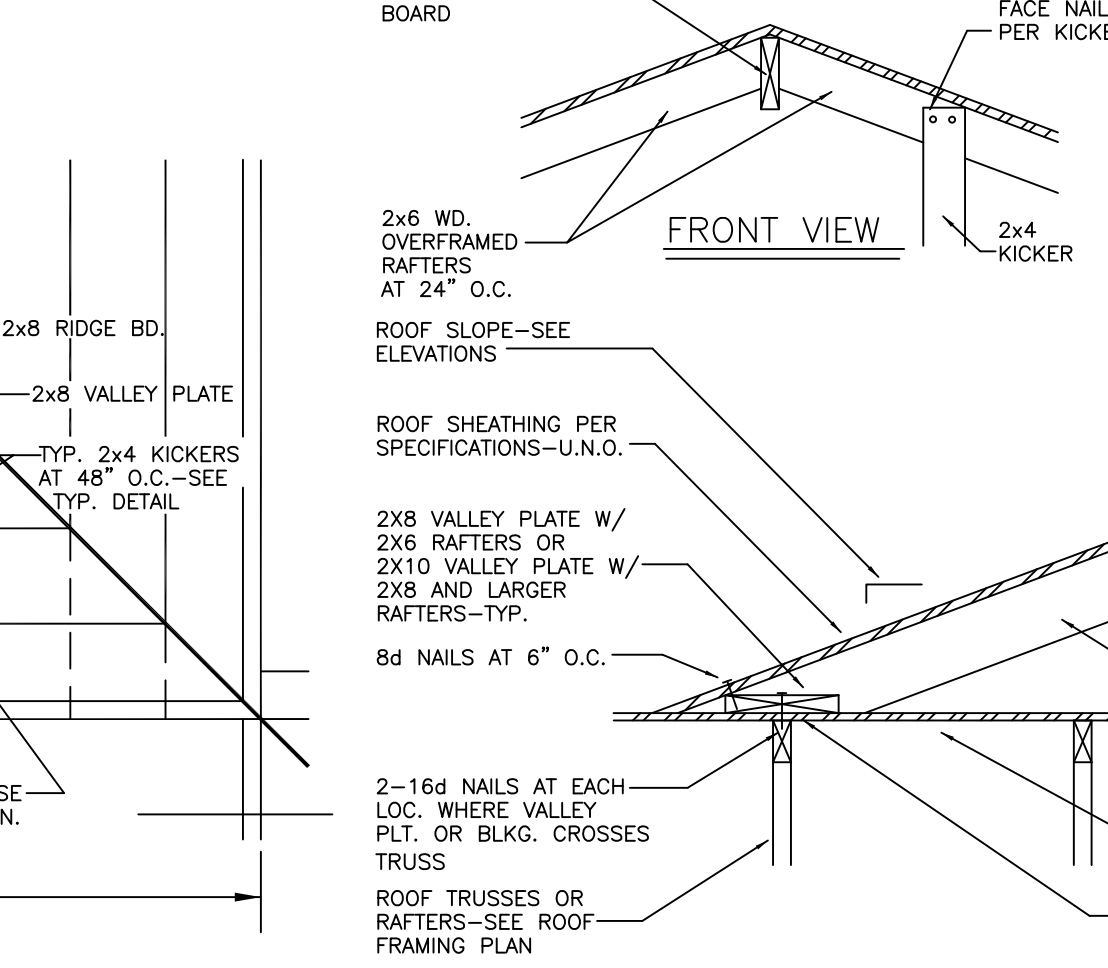
1/2\"/>

X ICYNENE SPRAY FOAM DETAIL

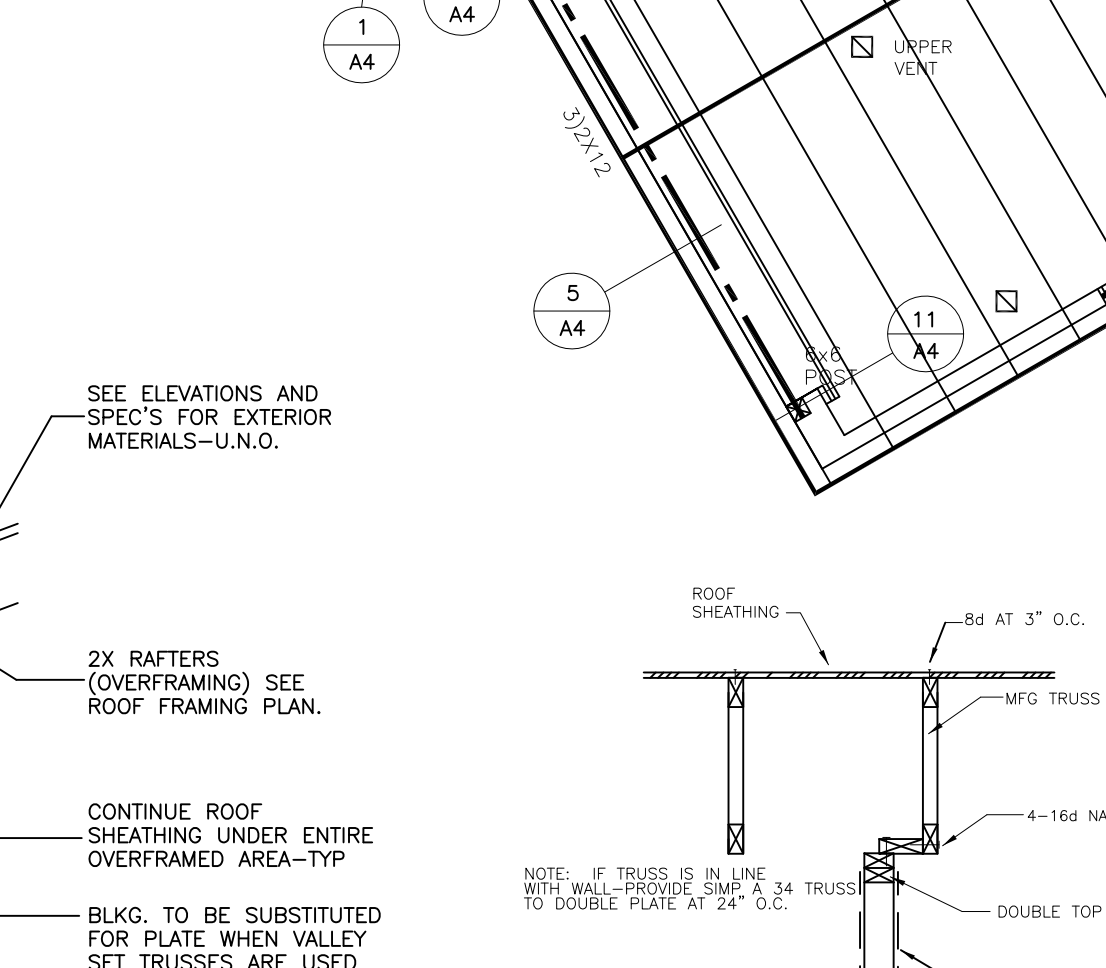
PER CURRENT EVALUATION REPORT NUMBER 1826 FOR PRODUCT MANUFACTURED BY ICYNENE, 5.5\"/>



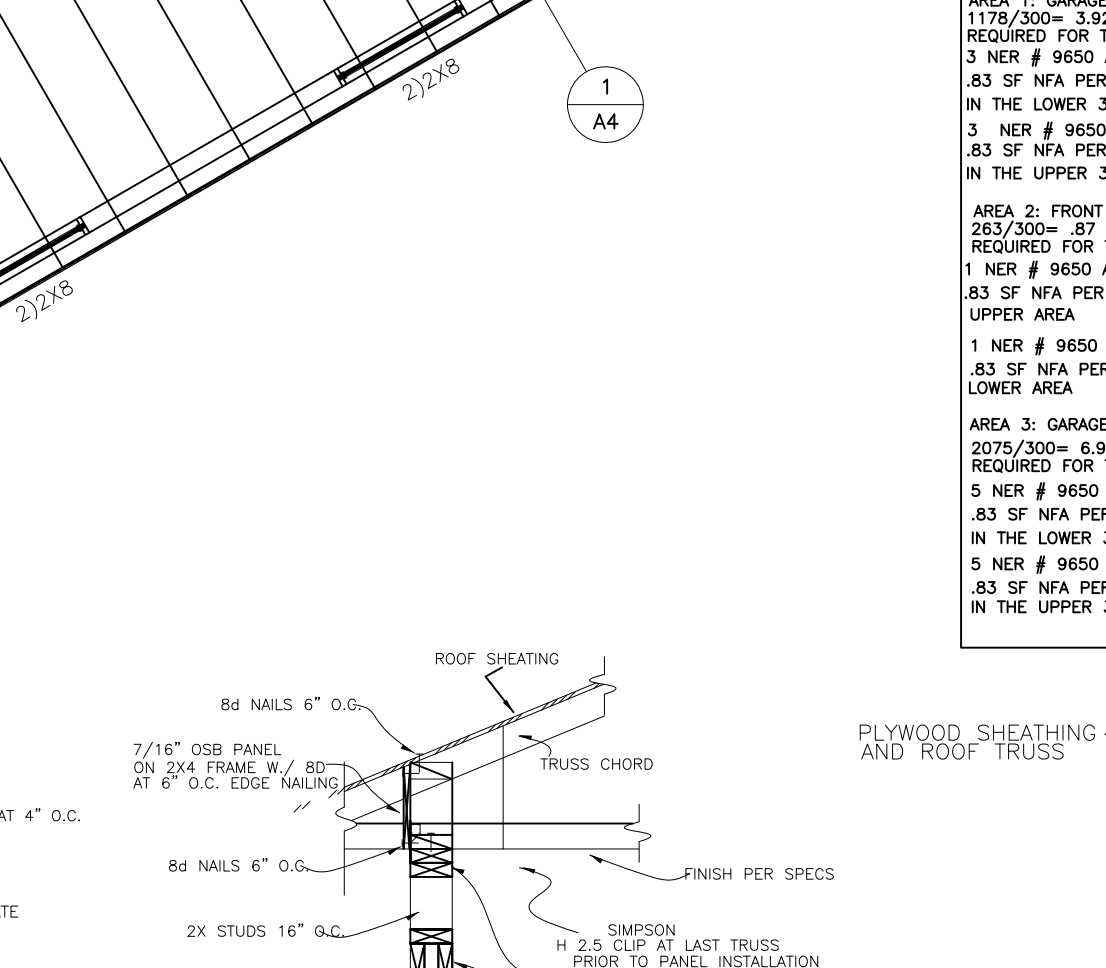
9 VALLEY RAFTERS AT OVERFRAMED ROOF



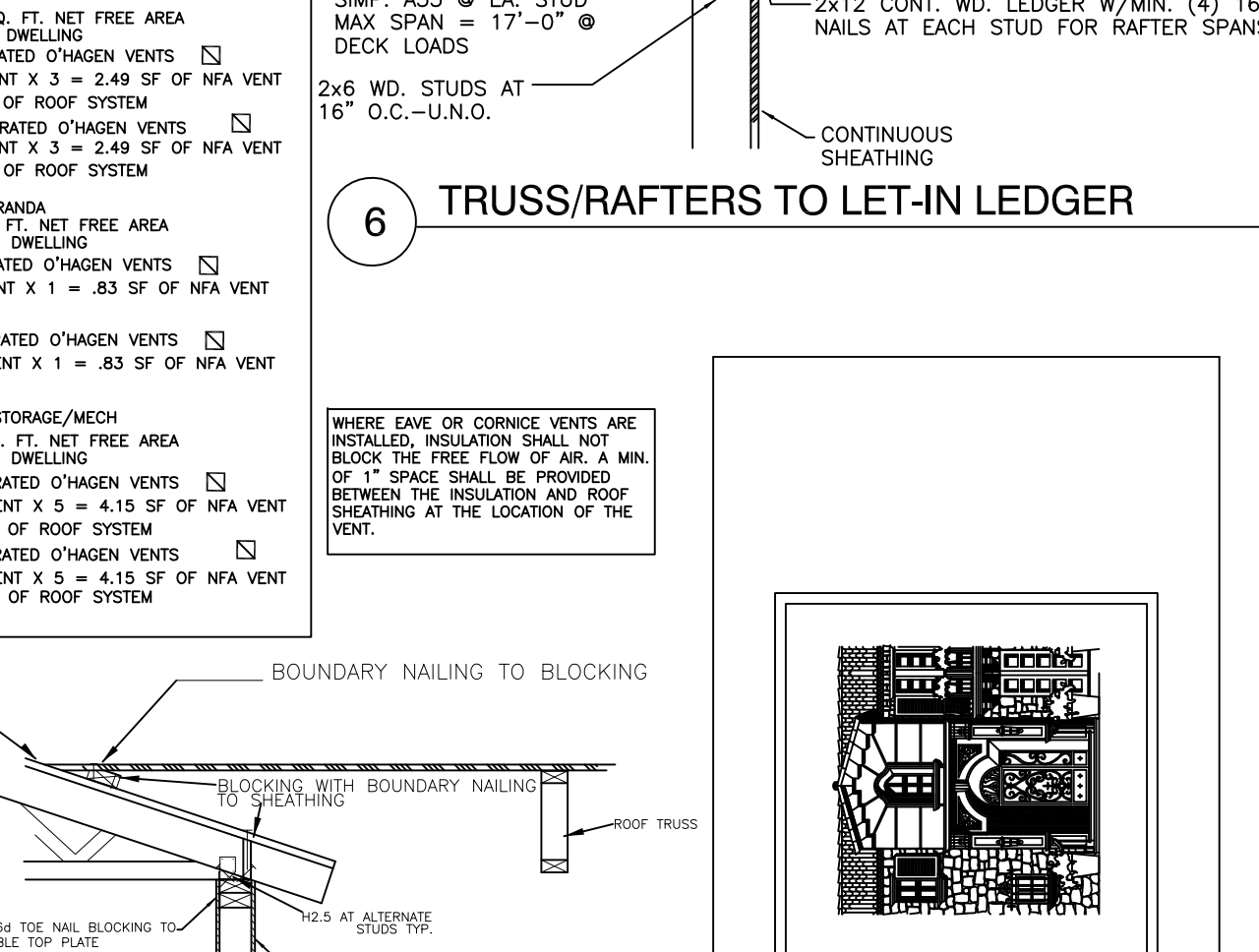
8 VALLEY OVERFRAMING AT ROOF



A CONNECTION DETAIL



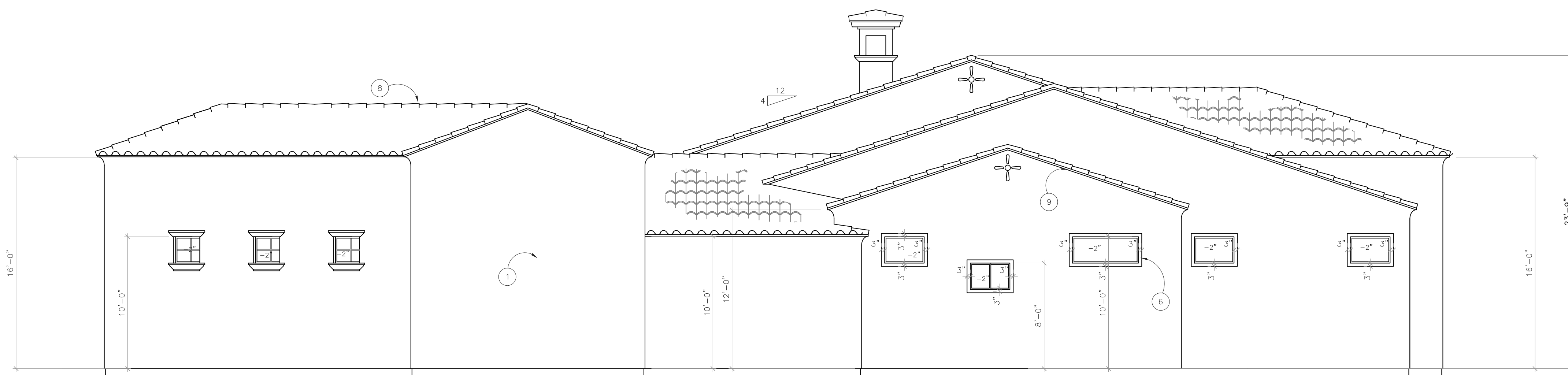
B SHEAR PANEL BETWEEN TRUSSES





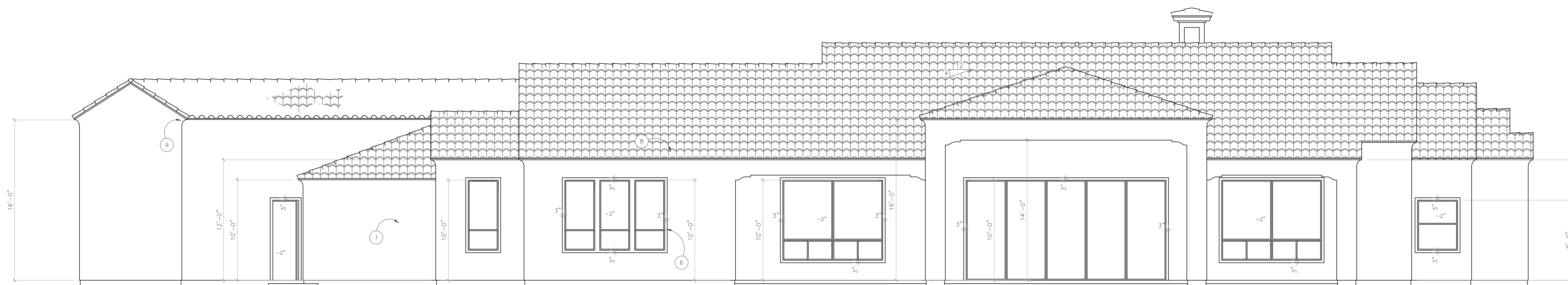
FRONT ELEVATION

SCALE: 3/16"=1'-0"



RIGHT ELEVATION

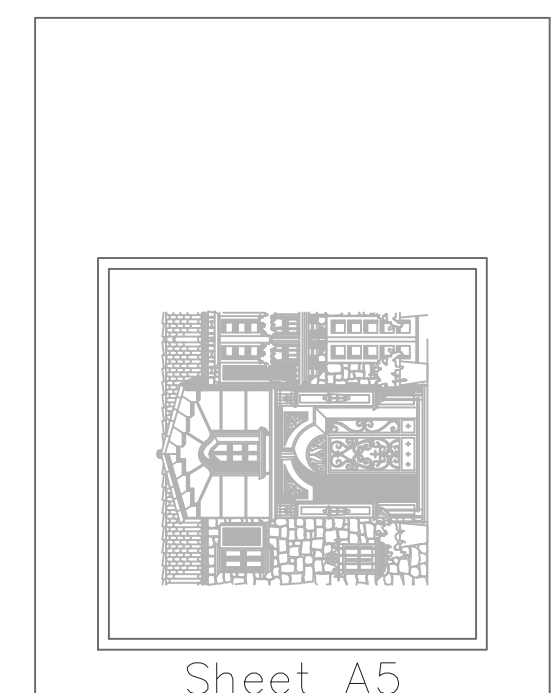
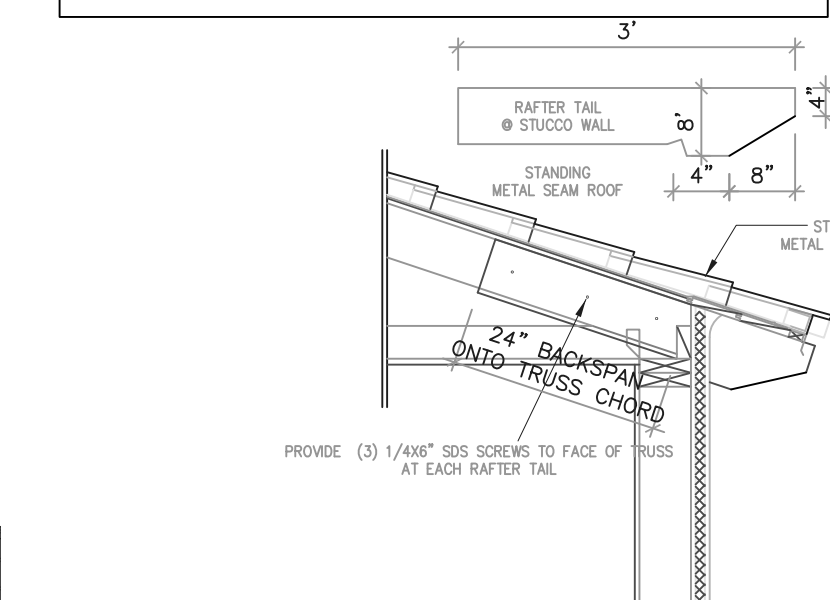
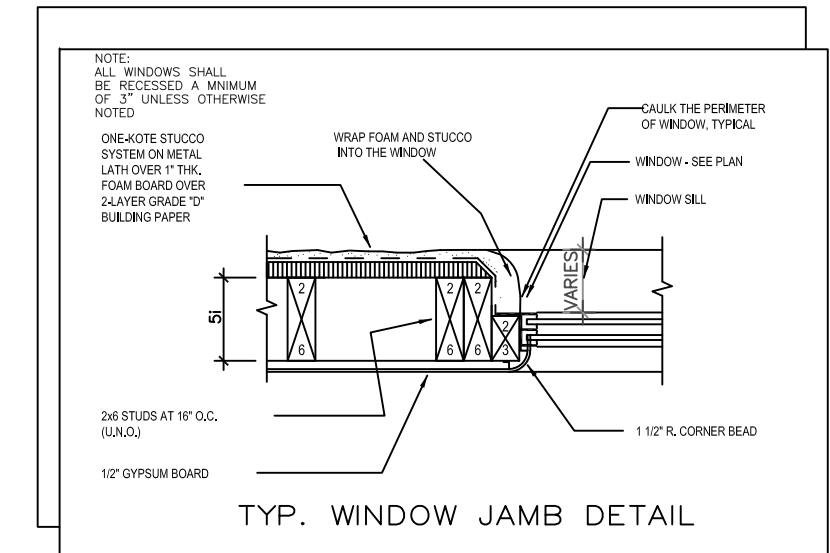
SCALE: 3/16"=1'-0"



REAR ELEVATION

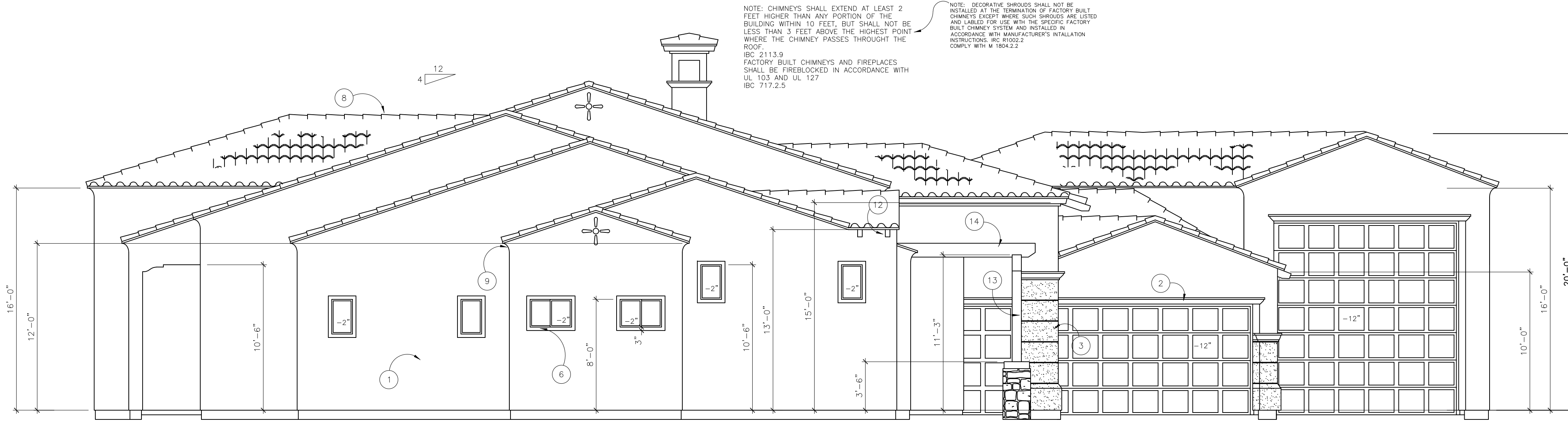
SCALE: 3/16"=1'-0"

- ELEVATION/BUILDING SECTION KEYNOTES:**
- 1) STUCCO WALL SYSTEM ERS-2099 OVER
 - 2) LAYERS GRADE "D" BUILDING PAPER ON 3/8" SHEATHING OVER WOOD STUDS AT 16" O.C. WITH R-19 BATT INSULATION BETWEEN STUDS.
 - 3) LIMESTONE APPLICATION AT WHERE SHOWN
 - 4) 2x BLOCKING/FIRESTOP AT ALL FURRED AREAS.
 - 5) 1/2" GYP. BD. TYPICAL SAG RESISTANT AT CEILINGS
 - 6) RECESSED SURROUND OR 3" WIDE BY 2" DEEP AT ALL DOORS/WINDOWS
 - 7) PRE-FABRICATED TRUSSES AT 24" O.C. WITH R-38 (MIN) SPRAYED INSULATION ESR-1826 BETWEEN TRUSSES (AT CHORD) IN ALL ATTIC SPACES
 - 8) CONCRETE TILE ROOFING (ESR-1647) ON 1/2" APA RATED PLYWOOD SHEATHING. ROOF COVERING SHALL HAVE A MINIMUM OF CLASS "B" ROOF ASSEMBLY. INSTALL PER MANUFACTURERS INSTRUCTIONS.
 - 9) STUCCOED FASIA
 - 10) TYPICAL INTERIOR WALL: 2x4'S AT 24" O.C. WITH 1/2" GYP. BD. EACH SIDE
 - 11) 4" CONCRETE OVER 4" ABC
 - 12) EXPOSED TRUSS TAILS
 - 13) 8x8 WOOD POST ON CMU BASES WITH SIMULATED STONE VENEER
 - 14) 4x12 LATTICE WORK AT 16" O.C.



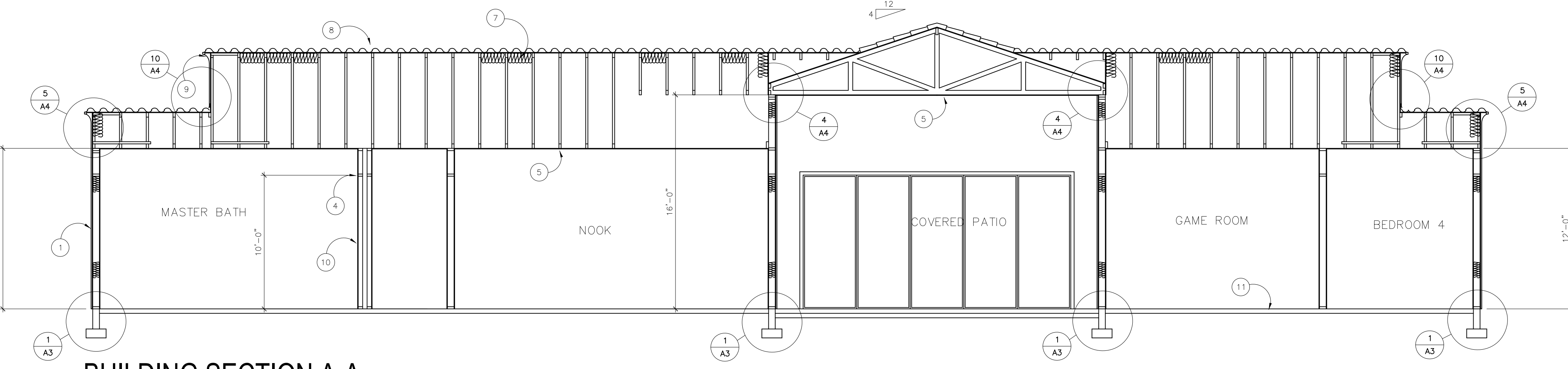
NOTE: CHIMNEYS SHALL EXTEND AT LEAST 2 FEET HIGHER THAN ANY PORTION OF THE BUILDING WITHIN 10 FEET, BUT SHALL NOT BE LESS THAN 3 FEET ABOVE THE HIGHEST POINT WHERE THE CHIMNEY PASSES THROUGH THE ROOF.
IBC 2113.9
FACTORY BUILT CHIMNEYS AND FIREPLACES SHALL BE FIREBLOCKED IN ACCORDANCE WITH UL 103 AND UL 127
IBC 717.2.5

NOTE: DECORATIVE SHROUS SHALL NOT BE INSTALLED AT THE TERMINATION OF FACTORY BUILT CHIMNEYS EXCEPT WHERE SHROUS ARE LISTED AND Labeled FOR USE WITH THE SPECIFIC FACTORY BUILT CHIMNEY SYSTEM AND INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTALLATION INSTRUCTIONS, IRC R902.2
COMPLY WITH M 1904.2.2

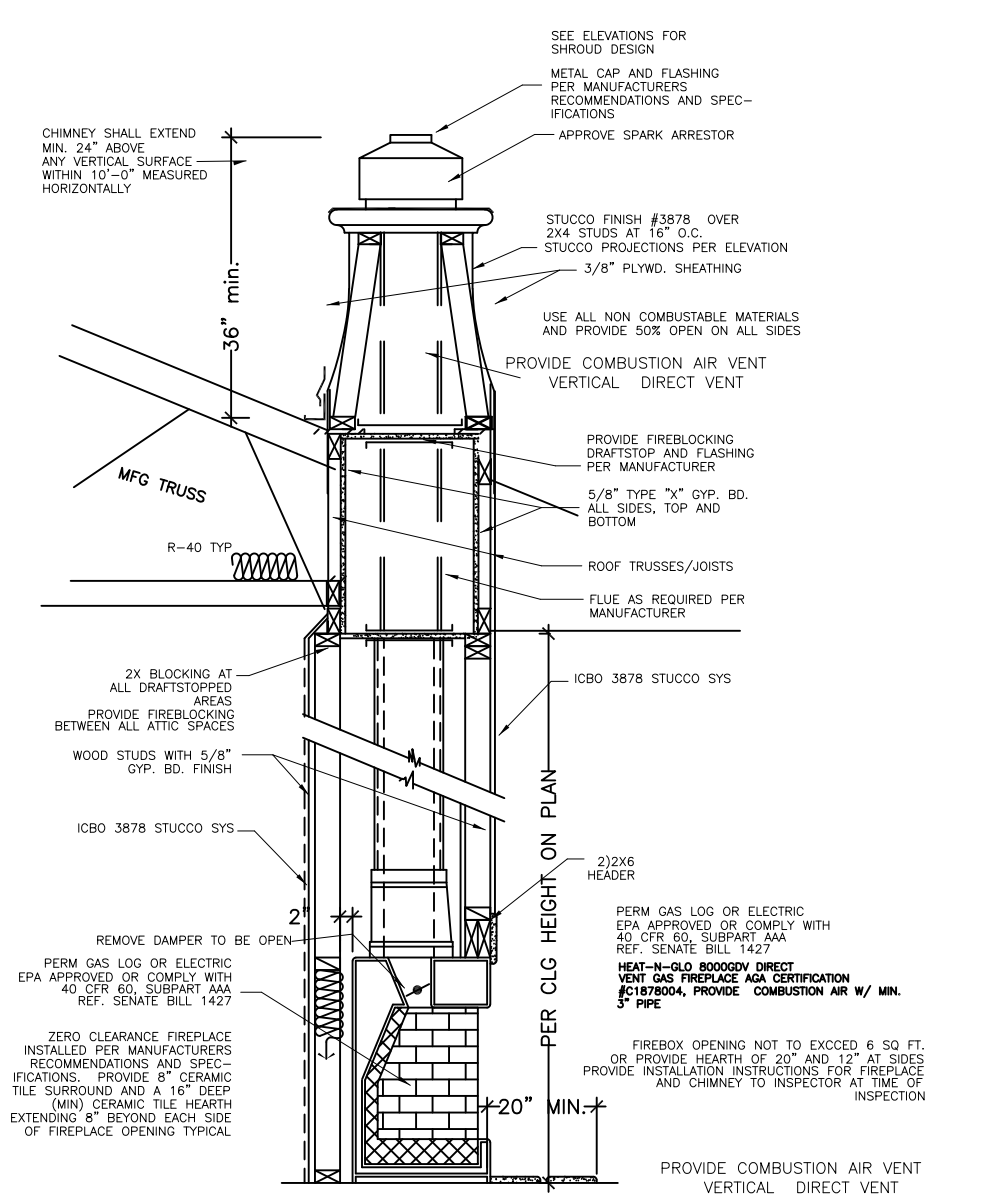


LEFT ELEVATION
SCALE: 3/16"=1'-0"

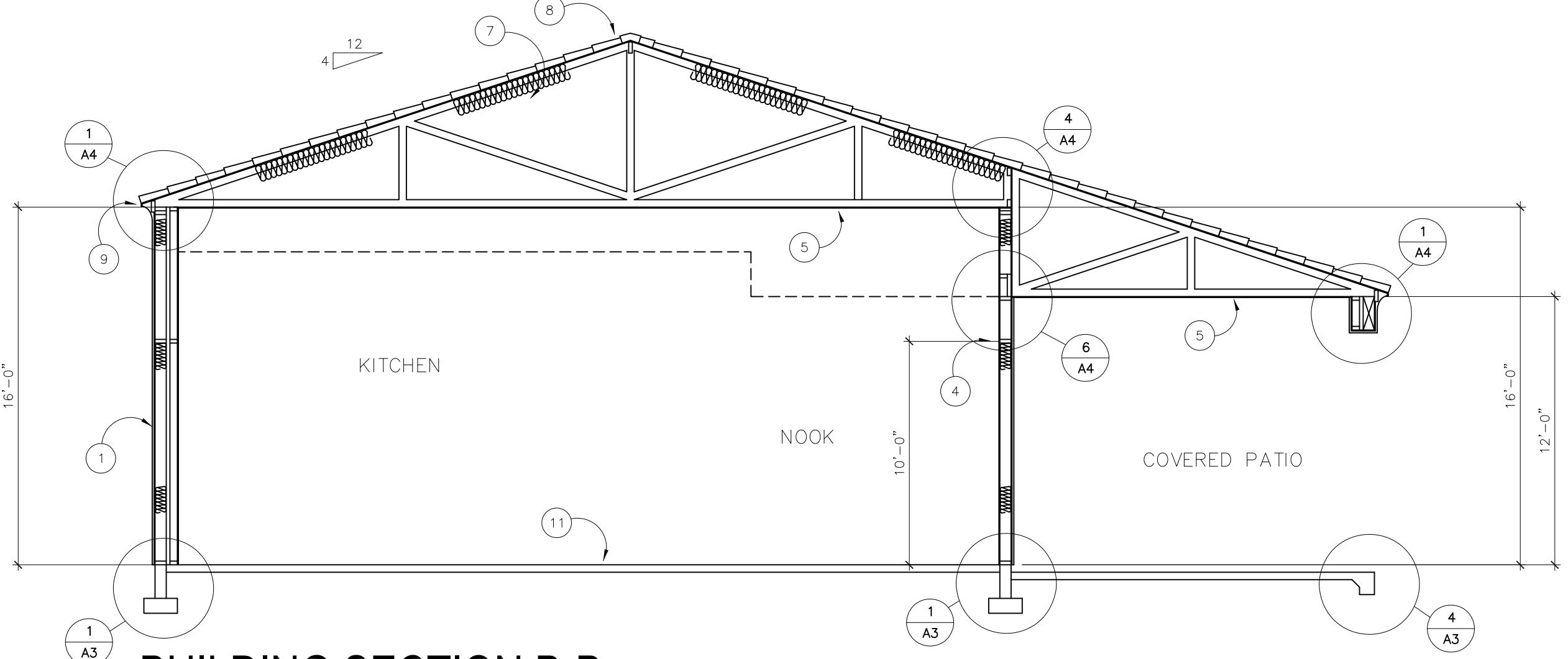
- ELEVATION/BUILDING SECTION KEYNOTES:**
- 1) STUCCO WALL SYSTEM ERS-2099 OVER
 - 2) LAYERS GRADE "D" BUILDING PAPER ON 3/8" SHEATHING OVER WOOD STUDS AT 16" O.C. WITH R-19 BATT INSULATION.
 - 3) PRE-FORMED CONCRETE PROJECTIONS/DETAILS AT WINDOWS AND DOORS LESTONITE APPLICATION AT WHERE SHOWN
 - 4) 2x BLOCKING/FIRESTOP AT ALL FURRED AREAS.
 - 5) 1/2" CYP. BD. TYPICAL SAG RESISTANT AT CEILING
 - 6) RECESSED SURROUND OR 3" WIDE BY 2" DEEP AT ALL DOORS/WINDOWS
 - 7) PRE-FABRICATED TRUSSES AT 24" O.C. WITH R-38 (MIN) SPRAYED INSULATION ESR-1826 BETWEEN TRUSSES (AT CHORD) IN ALL ATTIC SPACES GARAGE/BREEZEWAY AND MAIN RESIDENCE.
 - 8) CONCRETE TILE ROOFING (ESR-1647) ON 1/2" APA RATED PLYWOOD SHEATHING. ROOF COVERING SHALL HAVE A MINIMUM OF CLASS "B" ROOF ASSEMBLY. INSTALL PER MANUFACTURER'S INSTRUCTIONS.
 - 9) STUCCOED FASIA
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 - 11) 4" CONCRETE OVER 4" ABC
 - 12) EXPOSED TRUSS TAILS
 - 13) 8x8 WOOD POST ON CMU BASES WITH SIMULATED STONE VENEER
 - 14) 4X12 LATTICE WORK AT 16" O.C.



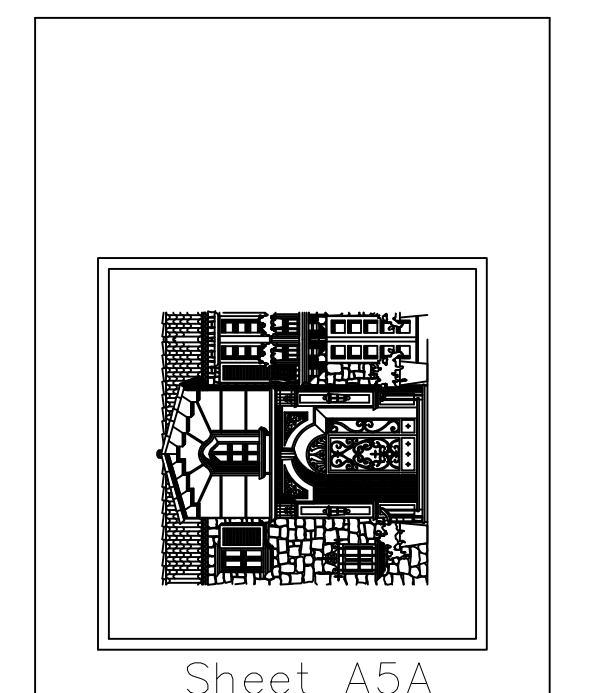
BUILDING SECTION A-A
SCALE: 3/16"=1'-0"

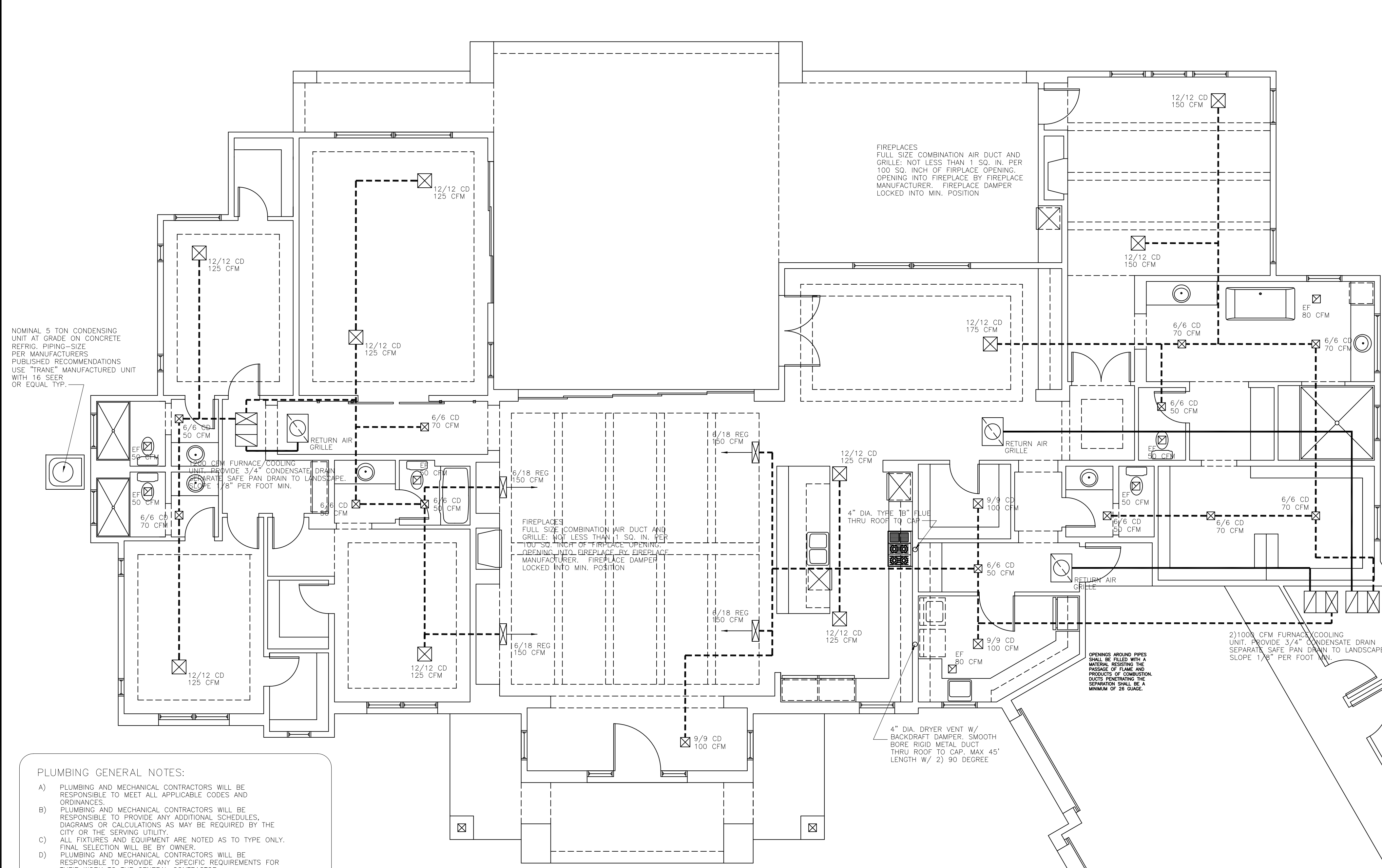


X FIRE PLACE SECTION



BUILDING SECTION B-B
SCALE: 3/16"=1'-0"





MECHANICAL PLAN

SCALE: 3/16"=1'-0"

NOMINAL 5 TON CONDENSING UNIT AT GRADE ON CONCRETE. REFRIG. PIPING-SIZE PER MANUFACTURERS PUBLISHED RECOMMENDATIONS. USE "FRANE" MANUFACTURED UNIT WITH 16 SEER OR EQUAL TYP.

PLUMBING GENERAL NOTES:

- PLUMBING AND MECHANICAL CONTRACTORS WILL BE RESPONSIBLE TO MEET ALL APPLICABLE CODES AND ORDINANCES.
- PLUMBING AND MECHANICAL CONTRACTORS WILL BE RESPONSIBLE TO PROVIDE ANY ADDITIONAL SCHEDULES, DIAGRAMS OR CALCULATIONS AS MAY BE REQUIRED BY THE CITY OR THE SERVING UTILITY.
- ALL FIXTURES AND EQUIPMENT ARE NOTED AS TO TYPE ONLY. FINAL SELECTION WILL BE BY OWNER.
- PLUMBING AND MECHANICAL CONTRACTORS WILL BE RESPONSIBLE TO PROVIDE ANY SPECIFIC REQUIREMENTS FOR THEIR WORK TO THE GENERAL CONTRACTOR.
- FINAL LAYOUT AND DESIGN OF THE PLUMBING AND MECHANICAL SYSTEMS WILL BE THE RESPONSIBILITY OF THE APPROPRIATE SUB-CONTRACTOR.
- VERIFY ALL ROOF SLOPES FOR FABRICATING EQUIPMENT PLATFORMS OR JACKS.
- SOLDERS AND FLUX HAVING A LEAD CONTENT IN EXCESS OF TWO TENTHS OF ONE PERCENT SHALL NOT BE USED IN THE INSTALLATION OR REPAIR OF ANY PLUMBING IN RESIDENTIAL FACILITIES PROVIDING WATER FOR HUMAN CONSUMPTION WHICH ARE CONNECTED TO PUBLIC WATER SYSTEMS.

PLUMBING DATA:
 WATER: Below Grade - Type "L" Soft Copper w/ no joints below grade. Inside Building, Above Floor - Type "M" Rigid copper.
 WASTE/VENT: ABS or Schedule 40 PVC

WATER HEATER RELIEF DISCHARGE PIPE SHALL NOT BE SMALLER THAN THE DIAMETER OF THE OUTLET OF THE VALVE SERVED, SERVE AS SINGULAR RELIEF DEVICE. TO AN INDIRECT WASTE RECEPTOR OR TO THE OUTDOORS, BE INSTALLED TO FLOW BY GRAVITY, TERMINATING NOT LESS THAN 6 INCHES AND NOT MORE THAN 24 INCHES ABOVE THE FLOOR OR WASTE RECEPTOR, AND IN A MANNER THAT DOES NOT CAUSE PERSONAL INJURY OR STRUCTURAL DAMAGE.

HEATING OR COOLING EQUIPMENT LOCATED IN ATTIC SPACES SHALL BE PROVIDED WITH AN ACCESS OPENING OF 22"x30" BUT NOT LESS THAN THE LARGEST PIECE OF EQUIPMENT, A SOLID FLOORING PASSAGEWAY 24" WIDE TO THE UNIT NOT MORE THAN 20" FROM THE ACCESS, A LEVEL WORKING PLATFORM NOT LESS THAN 30" IN DEPTH FROM THE FRONT OF THE EQUIPMENT, AN ELECTRICAL RECEPTACLE AND A LIGHT FIXTURE LOCATED NEAR THE EQUIPMENT THAT IS CONTROLLED BY A SWITCH AT THE ACCESS OPENING.

A MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH EFFICIENCY LAMPS OR A MINIMUM OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH EFFICIENCY LAMPS: IRC N1104.4.

GAS HOODS THAT ARE 12" OR LESS IN SIZE AND LOCATED NOT LESS THAN 8 FEET FROM A VERTICAL WALL OR SIMILAR OBSTRUCTION SHALL TERMINATE: 12" (FLAT TO 6/12), 15" (6/12 TO 7/12), 18" (7/12 TO 8/12), 24" (8/12 TO 9/12), ABOVE THE ROOF.

RANGE HOODS RATED FOR GREAT ER THAN 400 CFM SHALL BE PROVIDED WITH MAKEUP AIR AT A RATE EQUAL TO CFM OVER 400 CFM. THE MAKE UP AIR SYSTEM SHALL BE EQUIPPED WITH A MEANS OF CLOSURE SHALL BE AUTOMATICALLY CONTROLLED TO START AND OPERATE SIMULTANEOUSLY WITH THE RANGE HOOD.

ICW M1503

INSULATION FOR HOT WATER PIPE WITH A MINIMUM THERMAL RESISTANCE R-VALUE OF 3 (R-3) SHALL BE APPLIED TO THE FOLLOWING:
 PIPING LARGER THAN 3/4" NOMINAL DIAMETER PIPING FROM THE WATER HEATER TO THE KITCHEN OUTLETS.
 PIPING LOCATED OUTSIDE THE CONDITION SPACE.
 PIPING FROM THE WATER HEATER TO A DISTRIBUTION MANIFOLD.
 PIPING RUN LENGTHS OF GREATER THAN THE MAXIMUM RUN LENGTHS FOR THE NOMINAL PIPE DIAMETER GIVEN IN TABLE N1103.4.2

WATER RESISTANT GYPSUM BOARD SHALL NOT BE INSTALLED OVER A VAPOR RETARDER IN A SHOWER OR TUB COMPARTMENT, ALSO INCLUDES AREAS SUBJECT TO CONTINUOUS HIGH HUMIDITY. CEMENT, FIBER-CEMENT OR GLASS MAT GYPSUM BACKERS INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS SHALL BE USED AS BACKERS FOR WALL TILE IN TUB AND SHOWER AREAS AND WALL PANELS IN SHOWER AREAS. (R702.4.2).

Attics containing appliances requiring access shall be provided with an opening and a passage large enough to remove the largest appliance, but not less than 30 inches high and 22 inches wide and not more than 20 feet in length. The level service space at least 30 inches deep and 30 inches wide shall be present along all sides of the appliance where the access is required. IRC section

The dwelling unit shall be provided with heating facilities capable of maintaining a room temperature of 68° at .3 feet above the floor and 2 feet from exterior walls in all habitable rooms

Building or dwelling unit shall be tested and verified as having an air leakage rate of not to exceed (5) five air changes per hour in zones one and two. Testing shall be conducted with the blower door at a pressure of .2 inches W.G.(50 Pascals).

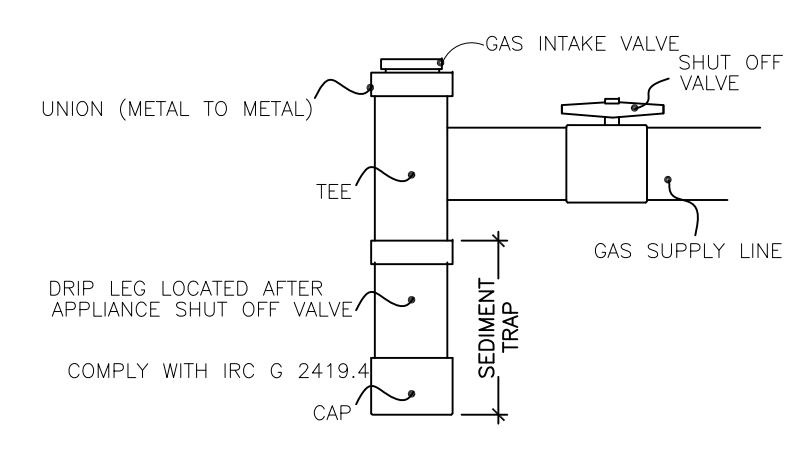
Where the primary heating system is a forced air furnace, at least one thermostat per dwelling unit shall be capable of controlling the heating and cooling system on a daily schedule to maintain different temperatures throughout the day. The thermostat shall initially be programmed with a heating temperature set point no higher than 70° and a cooling temperature set point no lower than 78°.

Provide a 4 inch diameter moisture exhaust vent for clothes dryer, or as required by the clothes dryers listing and the manufacturers installation instructions provided that is to be presented prior to construction.

The clothes dryer exhaust ducts shall be at least the diameter of the appliance outlet and shall terminate on the outside of the building. It shall not exceed 35 feet from the connection to the transition duct from the dryer to the outlet terminal with reductions for bends. The duct shall terminate not less than 3 feet from a property line, in any direction from openings into buildings.

The flow velocity of the water distribution system shall be controlled to reduce the possibility of water-hammer. A water-hammer arrester shall be installed where quick closing valves are used. Water-hammer arrestors shall be installed in accordance with manufacturers specifications. Water-hammer arrestors shall conform to ASSE E1010.

Air duct tightness shall be verified by either of the following: post construction test or rough in test.



SEDIMENT TRAP DETAIL

PROVIDE THIRD PARTY TESTING AND CERTIFICATION PER 2015 IRC M1301.5
 NOTE:
 SEDIMENT TRAP MUST BE INSTALLED BETWEEN SHUT OFF VALVE AND EQUIPMENT. ILLUMINATING APPLIANCES, RANGES, CLOTHES DRYERS, AND OUTDOOR GRILLS ARE EXEMPT. SEDIMENT TRAP IS REQUIRED DOWN STREAM OF THE SHUT OFF VALVE.

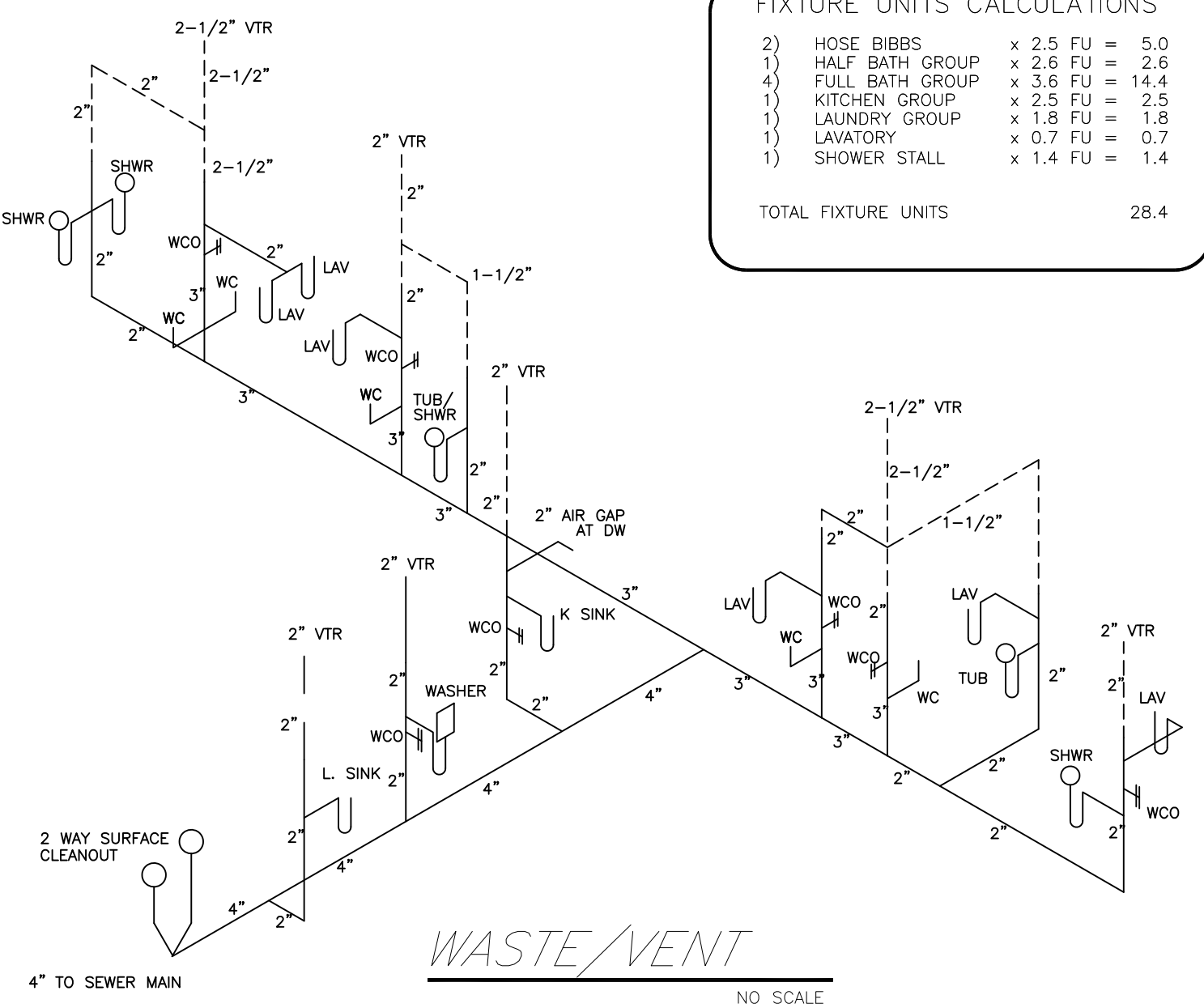
2)NOMINAL 3 TON CONDENSING UNIT AT GRADE ON CONCRETE. REFRIG. PIPING-SIZE PER MANUFACTURERS PUBLISHED RECOMMENDATIONS. USE "FRANE" MANUFACTURED UNIT WITH 14 SEER OR EQUAL TYP.

OPENINGS AROUND PIPES SHALL BE FILLED WITH A MATERIAL RESISTING THE PRODUCTS OF COMBUSTION. SEALS PERFORMING THE MINIMUM OF GUESS.

2)1000 CFM FURNACE/COOLING UNIT. PROVIDE 3/4" CONDENSATE DRAIN SEPARATE SAFE PAN DRAIN TO LANDSCAPE. SLOPE 1/8" PER FOOT MIN.

4" DIA. DRYER VENT W/ BACKDRAFT DAMPER, SMOOTH BORE RIGID METAL DUCT THRU ROOF TO CAP. MAX 45' LENGTH W/ 2) 90 DEGREE.

4" DIA. TYPE "B" FLUE THRU ROOF TO CAP.

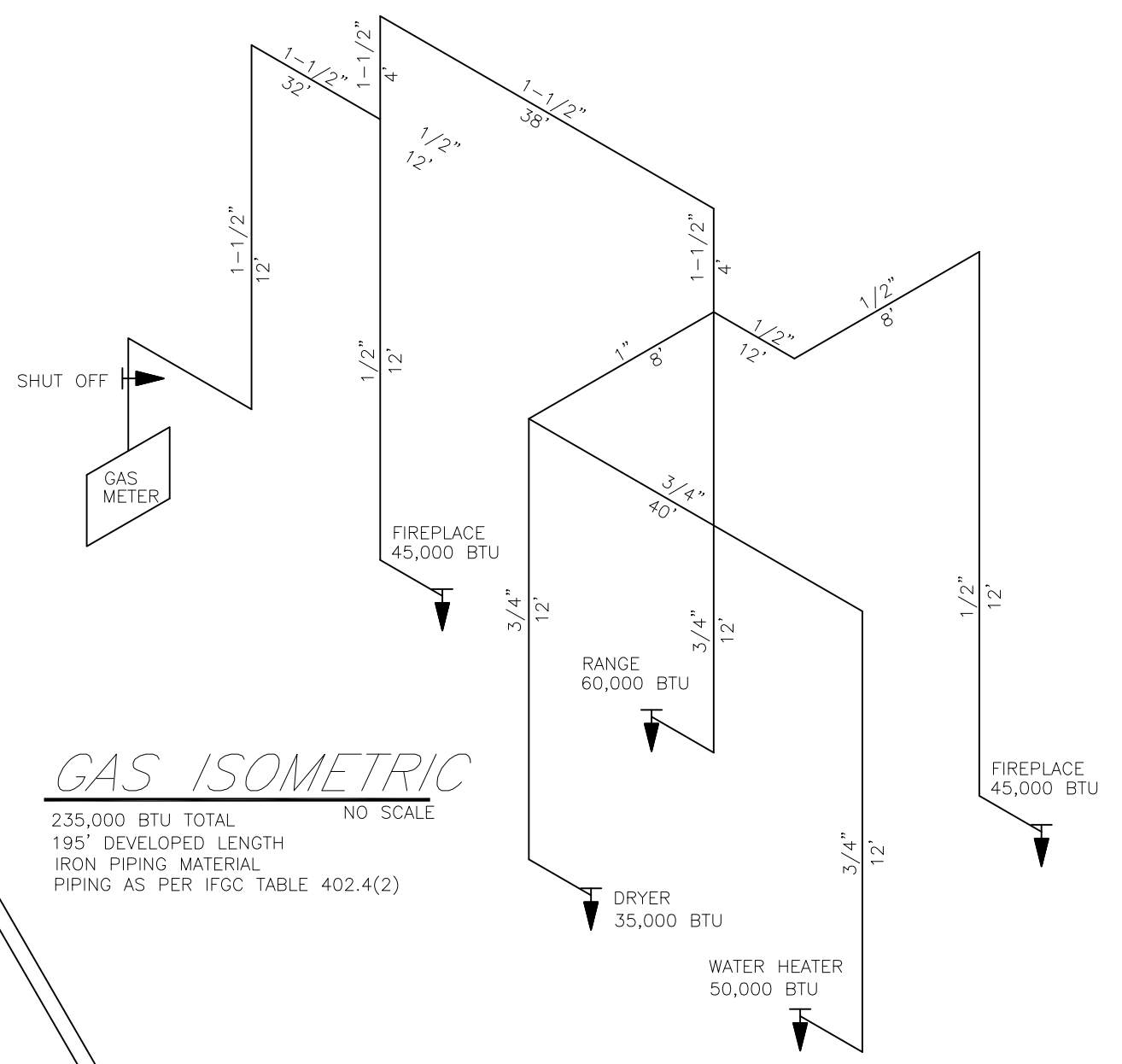


WASTE/VENT

NO SCALE

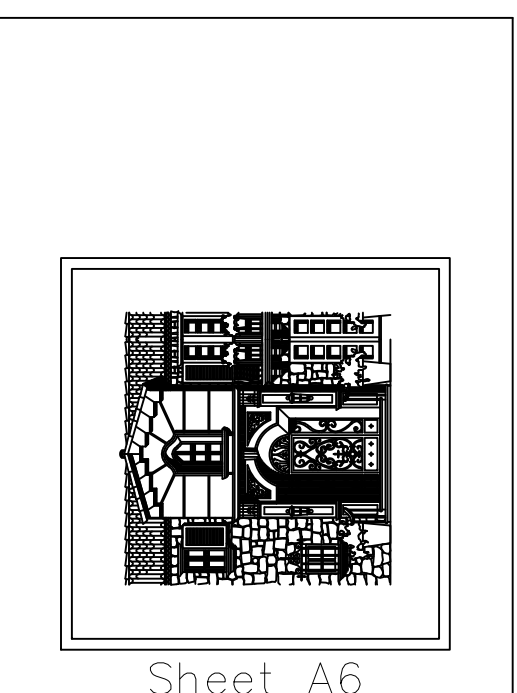
FIXTURE UNITS CALCULATIONS

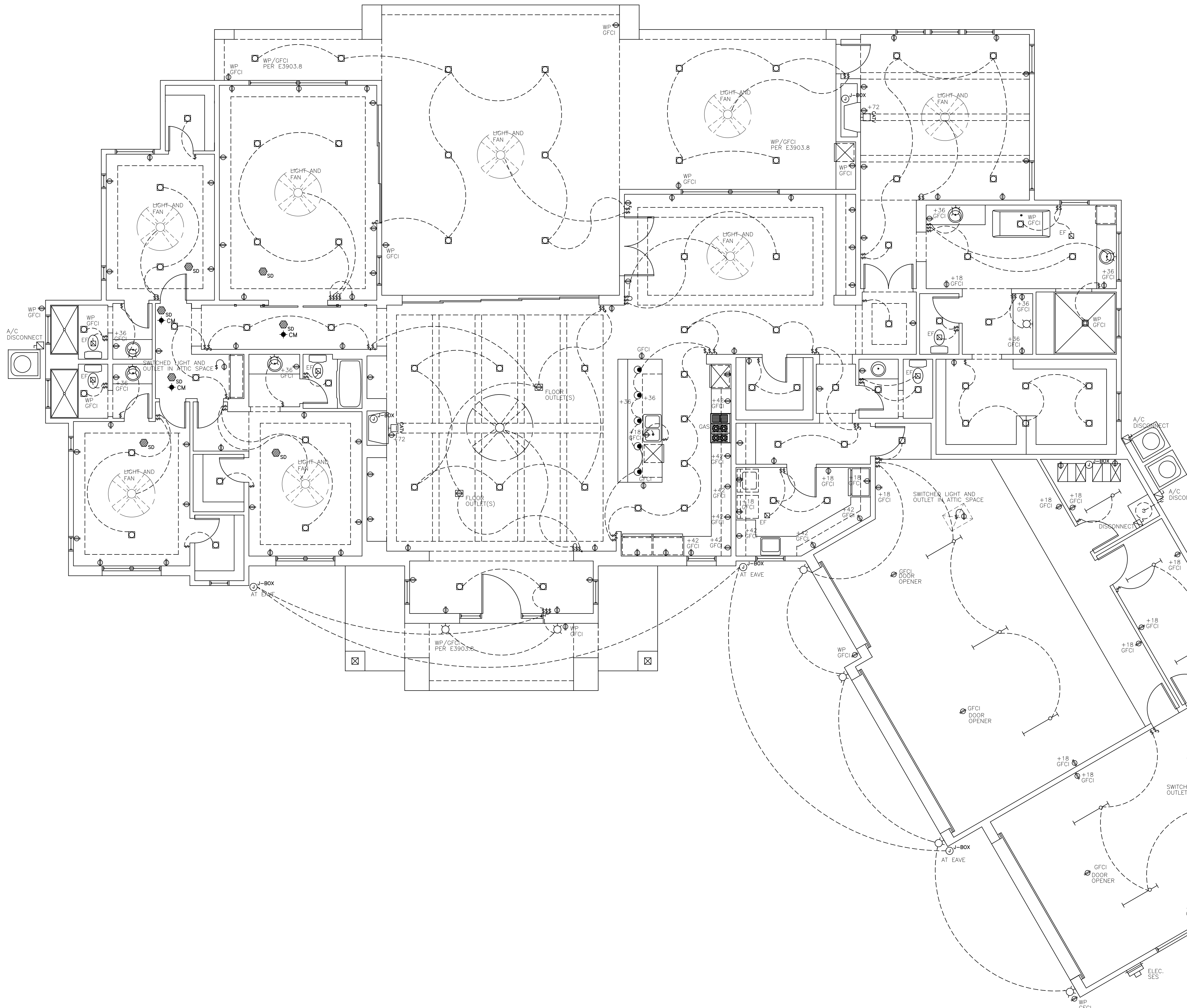
2) HOSE BIBBS	x 2.5 FU =	5.0
1) HALF BATH GROUP	x 2.6 FU =	2.6
1) FULL BATH GROUP	x 3.6 FU =	14.4
1) KITCHEN GROUP	x 2.5 FU =	2.5
1) LAUNDRY GROUP	x 1.8 FU =	1.8
1) LAVATORY	x 0.7 FU =	0.7
1) SHOWER STALL	x 1.4 FU =	1.4
TOTAL FIXTURE UNITS		28.4



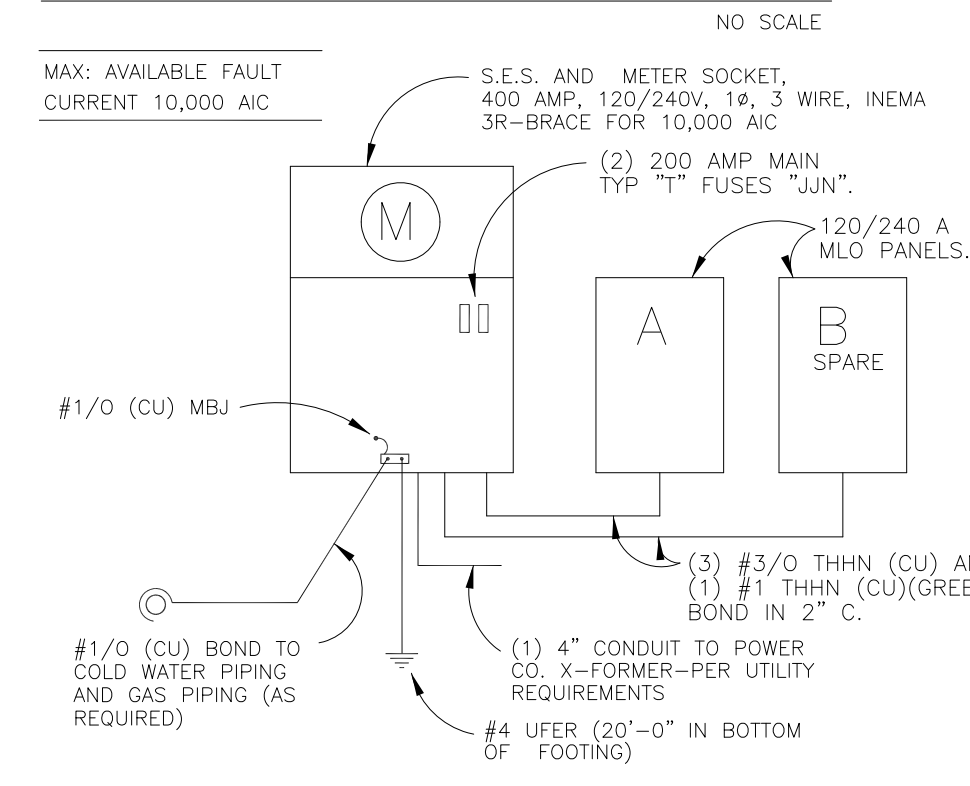
GAS ISOMETRIC

235,000 BTU TOTAL
 195' DEVELOPED LENGTH
 IRON PIPING MATERIAL
 PIPING AS PER IFGC TABLE 402.4(2)





ONE LINE DIAGRAM



FIXTURES

- FLUORESCENT CHANNEL
- WALL MOUNTED
- RECESSED CEILING
- MOTOR - AS NOTED
- DUPLEX RECEPTACLE @ +15" U.N.O.
- WEATHERPROOF RECEPTACLE
- GROUND FAULT INTERRUPTER RECEPTACLE
- SINGLE POLE SWITCH @ +48" U.N.O.
- 3 WAY SWITCH @ +48" U.N.O.
- JUNCTION BOX
- TELEPHONE OUTLET @ +15" U.N.O.
- TELEVISION OR CABLE OUTLET
- SERVICE ENTRANCE AND LOADCENTER
- PENDANT LIGHTING
- DOOR BUTTON
- FUSED DISCONNECT SWITCH
- SMOKE DETECTOR - HARD WIRED AND INTERCONNECTED (WITH BATTERY BACK-UP)
- FAN AND LIGHT
- CARBON MONOXIDE DETECTOR - HARD WIRED AND INTERCONNECTED (WITH BATTERY BACK-UP)

LOAD CALCULATIONS

4232 SQ FT x 3 WATTS	12696
APPLIANCE CIRCUITS	2 x 1500 W ----- 3000
LAUNDRY CIRCUIT	1 x 1500 W ----- 1500
DISHWASHER/DISP.	1 x 1500 W ----- 1500
WATER HEATER	1 x 1500 W ----- 1500
DRYER	1 x 5000 W ----- 5000
RANGE	1 x 10000 W ----- 10000
BATHROOMS	2 x 1500 W ----- 3000
TOTAL	40196
FIRST 10 KW @ 100%	<10000> 30196
REMAINDER @ 40%	12078
TOTAL AIR CONDITIONING LOAD	25000
TOTAL	37078
TOTAL DIVIDED BY 240V	AMPS ----- 154.49

METER PANEL	TYPE-CHALLENGER	SURFACE MOUNTED	120/240V 1Ø 3W			
22,000 AC BREAKER			400A MAIN BREAKER			
#	LOAD	C/B	A	B	C/B	#
1	RANGE (GAS)				A/C	2
2	RANGE				A/C	4
3					A/C	6
4					A/C	8
5					A/C	10
6					A/C	12
7					A/C	14
8					A/C	16
9	KITCHEN	20			DRYER	10
10	KITCHEN	20			DRYER	12
11	KITCHEN	20			DRYER	14
12	KITCHEN	20			DRYER	16
13	GARBAGE DISPOSAL	20			LIGHT/RECEPTACLE	18
14	WASHER	20			LIGHT/RECEPTACLE	20
15	AIR HANDLER	15			LIGHT/RECEPTACLE	22
16	AIR HANDLER	15			LIGHT/RECEPTACLE	24
17	AIR HANDLER	15			LIGHT/RECEPTACLE	26
18	AIR HANDLER	15			LIGHT/RECEPTACLE	28
19	AIR HANDLER	15			LIGHT/RECEPTACLE	30
20	AIR HANDLER	15			LIGHT/RECEPTACLE	32
21	AIR HANDLER	15			LIGHT/RECEPTACLE	34
22	OVEN	2			BATHROOMS	2
23	OVEN	2			BATHROOMS	4
24	OVEN	2			BATHROOMS	6
25	OVEN	2			BATHROOMS	8
26	OVEN	2			BATHROOMS	10
27	OVEN	2			BATHROOMS	12
28	OVEN	2			BATHROOMS	14
29	OVEN	2			BATHROOMS	16
30	OVEN	2			BATHROOMS	18
31	FURNACE	20			BATHROOMS	20
32	FURNACE	20			BATHROOMS	22
33	FURNACE	20			BATHROOMS	24

NOTE: OUTLET BOXES OR OUTLET BOX SYSTEMS USED AS THE SOLE SUPPORT OF A CEILING SUSPENDED PADDLE FAN SHALL BE LISTED, SHALL BE MARKED BY THEIR MANUFACTURER AS SUITABLE FOR THIS PURPOSE, AND SHALL NOT SUPPORT CEILING SUSPENDED PADDLE FANS THAT WEIGH MORE THAN 70 POUNDS. FOR OUTLET BOXES OR OUTLET BOX SYSTEMS DESIGNED TO SUPPORT CEILING SUSPENDED PADDLE FANS THAT WEIGH MORE THAN 35 POUNDS, THE REQUIRED MARKING SHALL INCLUDE THE MAXIMUM WEIGHT TO BE SUPPORTED. (NEC 314.27 (D))

CEILING SUSPENDED PADDLE FANS SHALL BE SUPPORTED INDEPENDENTLY OF AN OUTLET BOX OR BY LISTED OUTLET BOX OR OUTLET BOX SYSTEMS IDENTIFIED FOR THE USE AND INSTALLED IN ACCORDANCE WITH 314.27 (D) NEC 422.18

A SEPARATE 20 AMPERE RATED BRANCH CIRCUIT TO THE LAUNDRY IS REQUIRED, AND A SEPARATE 30 AMPERE RATED BRANCH CIRCUIT FOR THE BATHROOM RECEPTACLES IS

A GFCI PROTECTED 125 VOLT, SINGLE PHASE, 15 OR 20 AMPERE RATED RECEPTACLE OUTLET SHALL BE INSTALLED AT AN ACCESSIBLE LOCATION FOR THE SERVICING OF HEATING, AIR CONDITIONING AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL BE LOCATED ON THE SAME LEVEL WITHIN 25' OF THE HEATING, AIR CONDITIONING AND REFRIGERATION EQUIPMENT. THE RECEPTACLE SHALL NOT BE CONNECTED TO THE LOAD SIDE OF THE EQUIPMENT DISCONNECTING MEANS.

FOR ATTICS, UNDER FLOOR SPACES, UTILITY ROOMS, AND BASEMENTS, AT LEAST ONE LIGHTING OUTLET CONTAINING A SWITCH OR CONTROLLED BY A WALL SWITCH SHALL BE INSTALLED WHERE THESE SPACES ARE USED FOR STORAGE OR CONTAIN EQUIPMENT REQUIRING SERVICING. AT LEAST ONE POINT OF CONTROL SHALL BE AT THE USUAL POINT OF ENTRY TO THESE SPACES. THE LIGHTING OUTLET SHALL BE PROVIDED AT OR NEAR THE EQUIPMENT REQUIRING SERVICING.

FIXTURES, FITTINGS, BOXES, RECEPTACLES, SWITCHES AND OTHER ELECTRICAL EQUIPMENT LOCATED IN DAMP OR WET LOCATIONS SHALL BE LISTED AS SUITABLE FOR SUCH LOCATION.

ALL 125-VOLT, 15 AND 20 AMPERE RECEPTACLES SHALL BE LISTED TAMPER-RESISTANT RECEPTACLES, EXCEPT THOSE LOCATED MORE THAN 5.0' ABOVE THE FLOOR, PART OF THE LUMINAIRE OR APPLIANCE, OR DEDICATED TO (NOT EASILY MOVED) APPLIANCE(S) LOCATED IN SPACE DEDICATED TO THE APPLIANCE. (ICW E4002.14)

WHERE WORK REQUIRING A PERMIT OCCURS IN EXISTING DWELLINGS THAT HAVE ATTACHED GARAGES OR IN EXISTING DWELLINGS WITHIN WHICH FUEL FIRED APPLIANCES EXIST, CARBON MONOXIDE ALARMS SHALL BE PROVIDED IN ACCORDANCE WITH SECTION E3101.1.

E3902.13 ARC-FAULT CIRCUIT INTERRUPTER PROTECTION FOR BRANCH CIRCUIT EXTENSIONS OR MODIFICATIONS, WHERE BRANCH CIRCUIT WIRING IS MODIFIED, REPLACED, OR EXTENDED IN ANY OF THE AREAS SPECIFIED IN SECTION E3902.1.2, THE BRANCH CIRCUIT SHALL BE PROTECTED BY ONE OF THE FOLLOWING:

1. A COMBINATION-TYPE AFCI LOCATED AT THE ORIGIN OF THE BRANCH CIRCUIT.
2. AN OUTLET BRANCH-CIRCUIT TYPE AFCI LOCATED AT THE FIRST RECEPTACLE OUTLET OF THE EXISTING BRANCH CIRCUIT.

LIGHT FIXTURES IN CLOTHES CLOSETS SHALL BE COMPLETELY ENCLOSED PER SECTION.

SMOKE ALARMS SHALL BE INSTALLED NOT LESS THAN 3 FEET FROM DOORS OR OPENINGS OF BATHROOM WITH A TUB OR SHOWER.

ELECTRICAL PLAN

SCALE: 3/16"=1'-0"

