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SHEET INDEX:

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2018 IECC CODE NOTES

CLIMATE ZONE: 5B, MESA COUNTY, CO

ENERGY COMPLIANCE PATHWAY:

- ☒ GENERAL (PRESCRIPTIVE)
- ☐ UA ALTERNATIVE (ResCheck)
- ☐ SIMULATED PERFORMANCE ALTERNATIVE (PERFORMANCE)
- ☐ ENERGY RATING INDEX COMPLIANCE ALTERNATIVE (ERI)

BUILDING COMPONENTS:

- CEILINGS WITH ATTIC SPACES:
 - CEILINGS W/O ATTIC SPACES:
 - WOOD FRAME WALL:
 - FLOORS OVER UNCONDITIONED SPACE
 - BASEMENT WALLS
 - SLAB ON GRADE FLOORS:
 - CRAWLSPACE WALLS:
 - WINDOWS:
 - DOORS:
 - SKYLIGHTS:
 - GARAGE/HOUSE COMMON WALL

R-38

R-30

R-21

R-30

N/A

N/A

R-15

MAX. U-0.30

MAX. U-0.30

MAX. U-0.55

R-21

AIR BARRIER METHOD

EXTERIOR METHOD:

- ☐ STRUCTURAL SHEATHING (ZIP SYSTEM, OX-IS, ETC.)
- ☒ HOUSE WRAP (TYVEK, GRIP-RIGHT, HOMEGUARD, ETC.)

INTERIOR METHOD:

- ☒ MANUALLY SEALED DRYWALL (CAULK, FOAM, GASKET, ETC.)
- ☐ AUTOMATED ATOMIZED SEALANT (AEROBARRIER, ETC.)

NOTE:
SEE TABLE R402.4.1.1 FOR MORE INFORMATION

THERMAL ENVELOPE LEGEND

EXTERNAL AIR BARRIER	-----
INSULATED ASSEMBLY	=====
INTERNAL AIR BARRIER	- - - - -

MECHANICAL VENTILATION

MECHANICAL VENTILATION METHOD (2018 IRC, CHAP 15, SEC. 1505):

- ☐ EXHAUST ONLY
- ☐ SUPPLY ONLY
- ☒ BALANCED

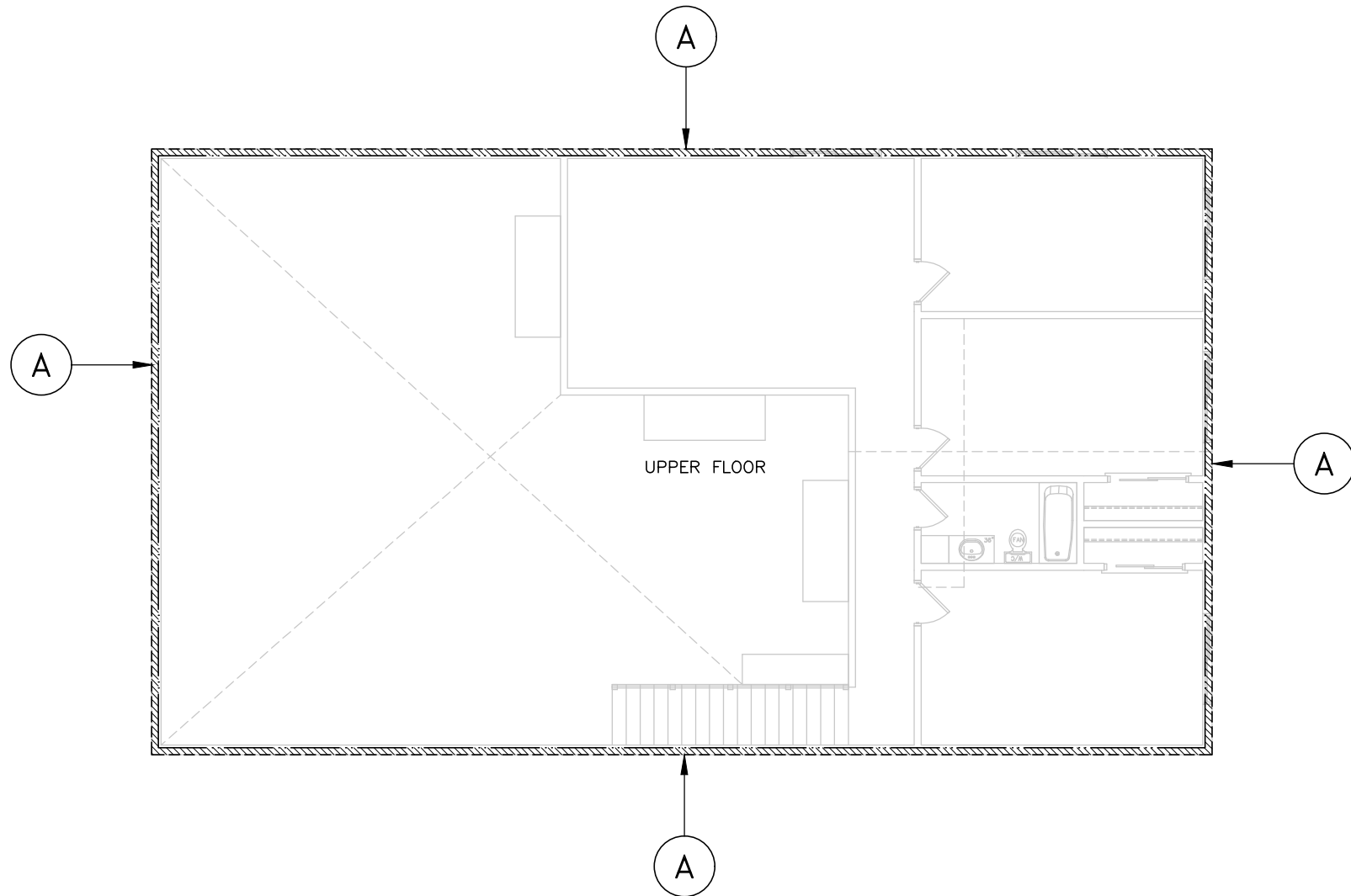
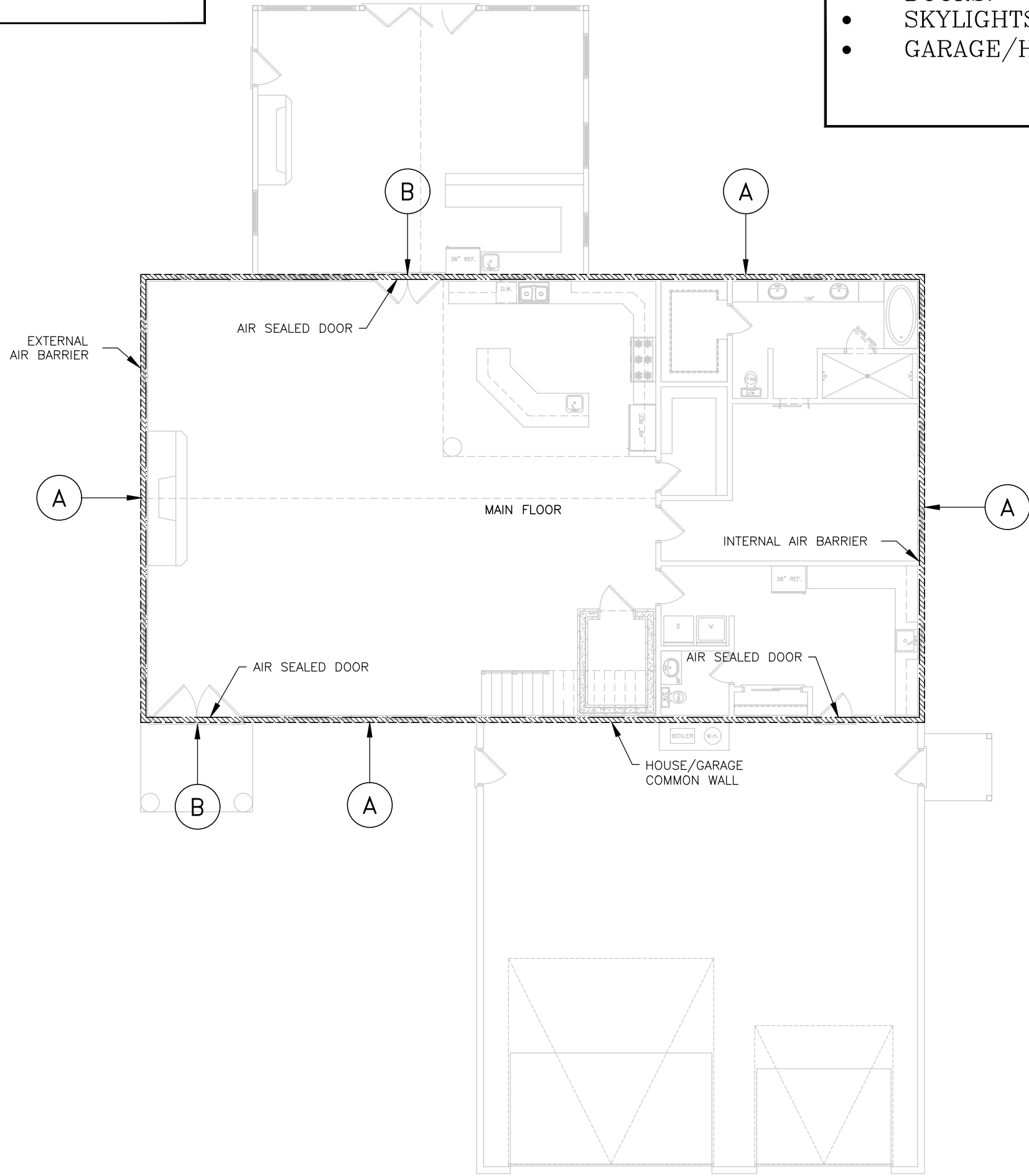
DEVICE TYPE:

- ☒ BATH, UTILITY ROOM FAN
- ☒ ENERGY/HEAT RECOVERY VENTILATOR (ERV / HRV)
- ☒ RANGE HOOD

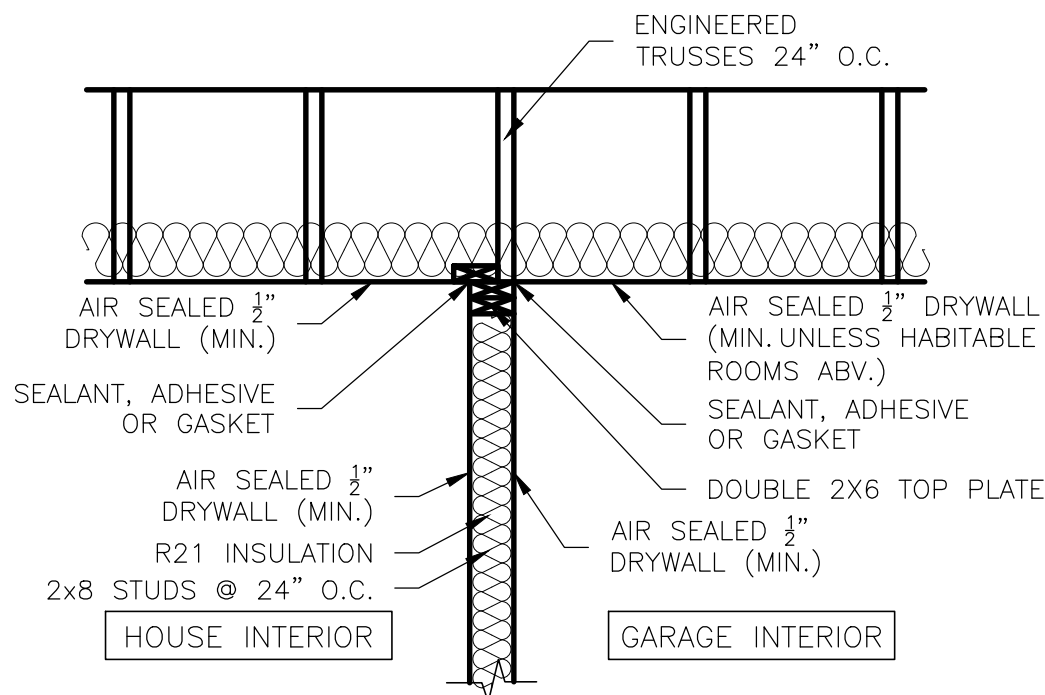
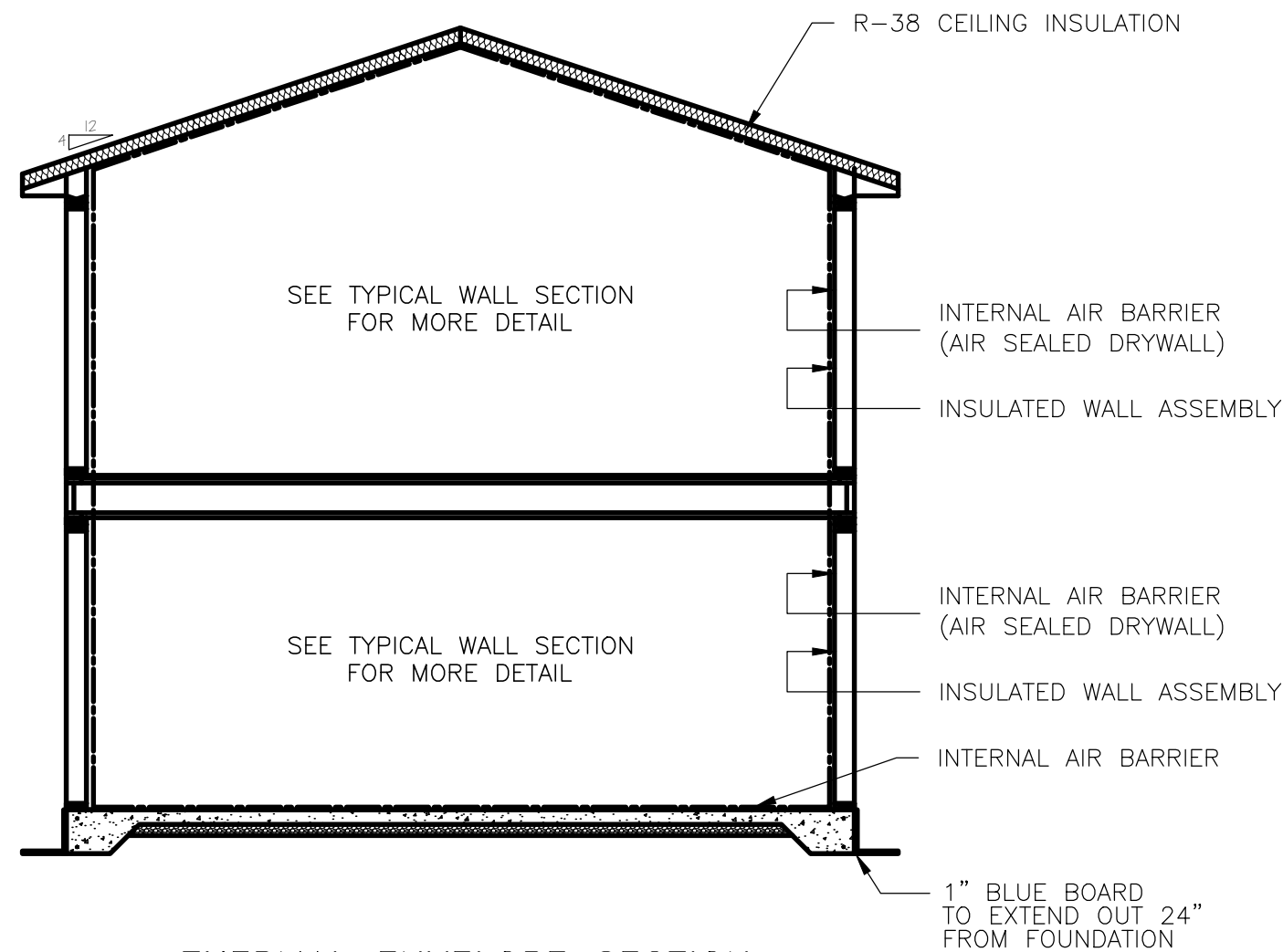
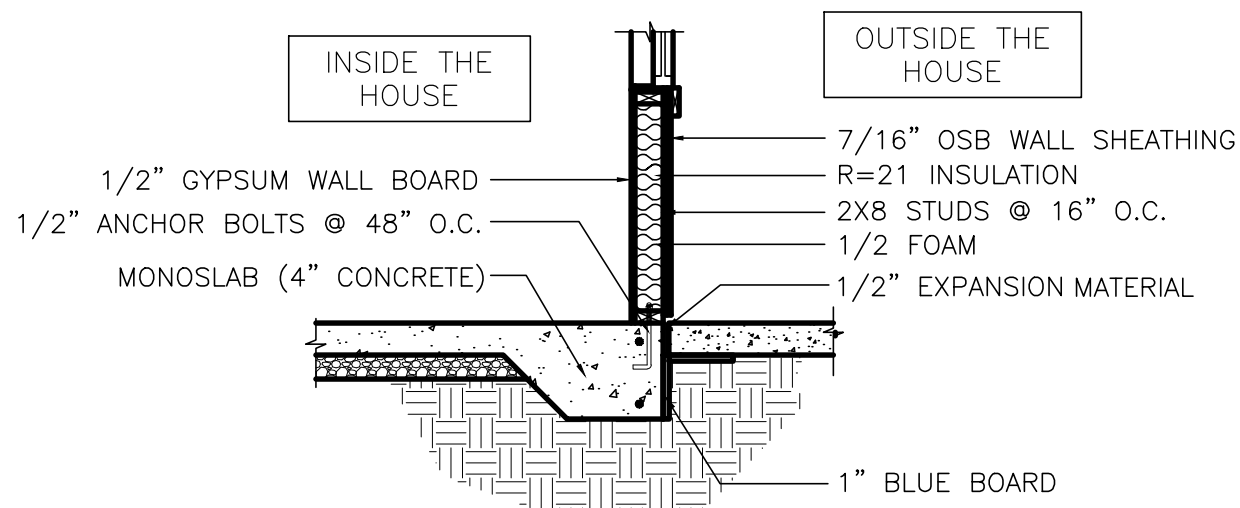
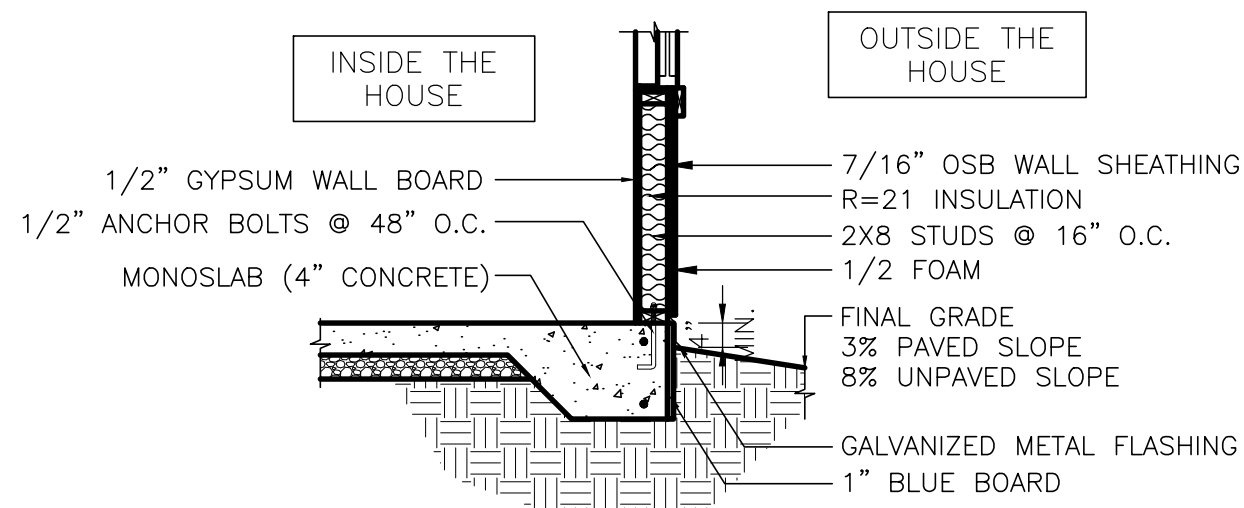
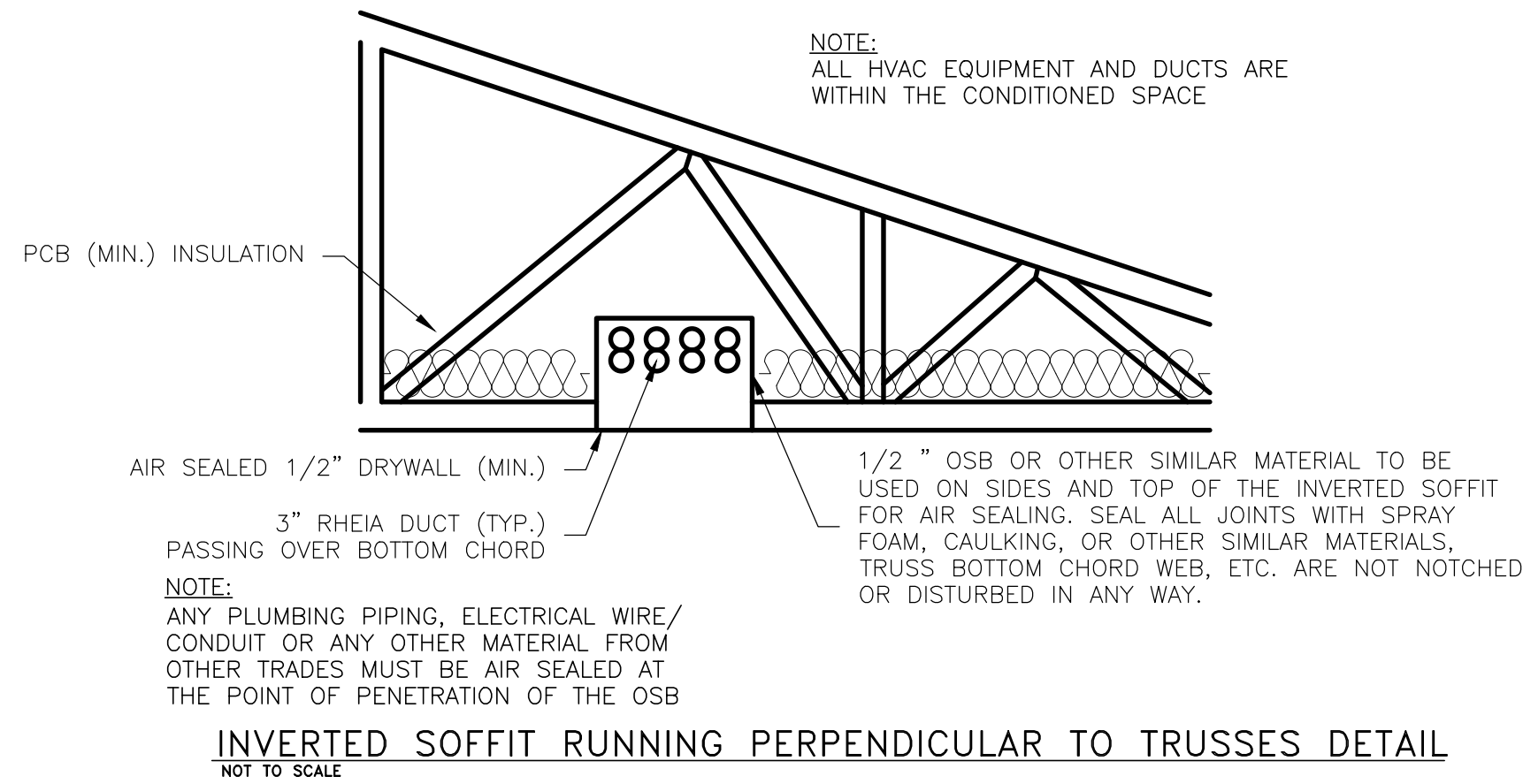
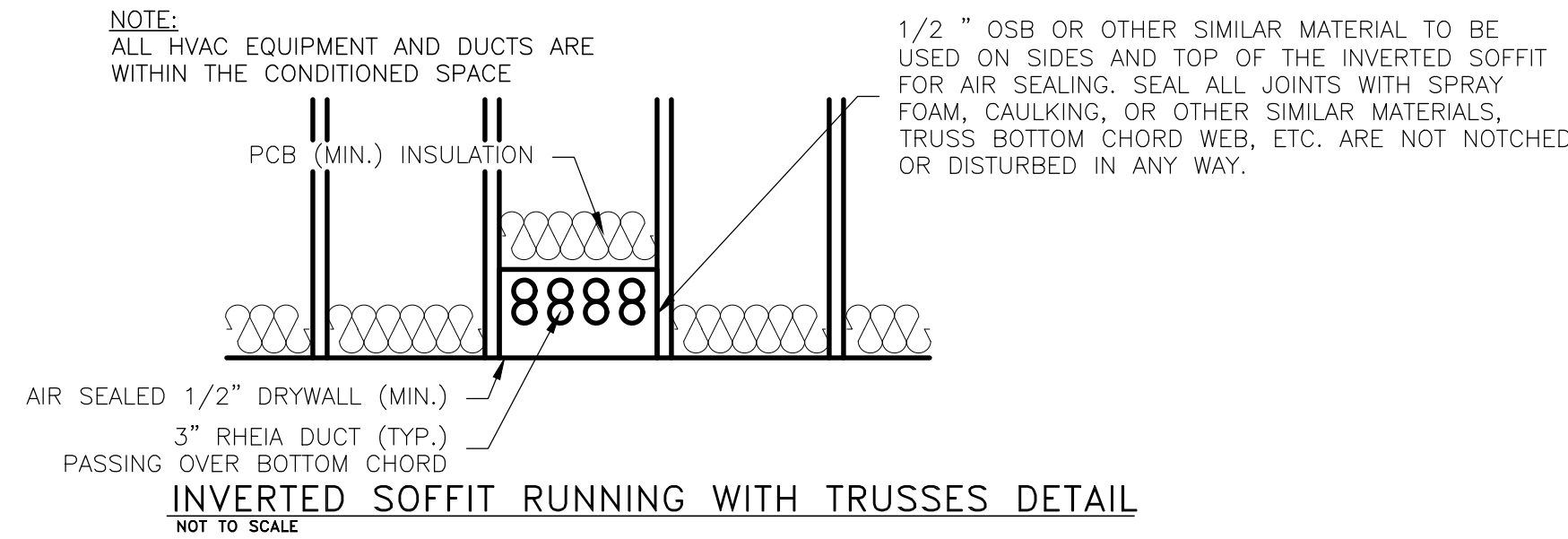
MAKE: TRANE
MODEL: XV18 TRUCOMFORT
cfm: N/A
WATTS: N/A
EFFICACY (cfm/watt): UP TO 18 SEER2

MAKE: DELTA BREEZ
MODEL: ENERGY STAR VFB25ADH
cfm: 110
WATTS:14
EFFICACY (cfm/watt): 7.9

MAKE: COSMO
MODEL: COS-36IRHP
cfm: 380 CFM (MAX), 250 CFM (MIN.)
WATTS:190
EFFICACY (cfm/watt): N/A



THERMAL ENVELOPE PLAN
SCALE: 1/8" = 1'-0"



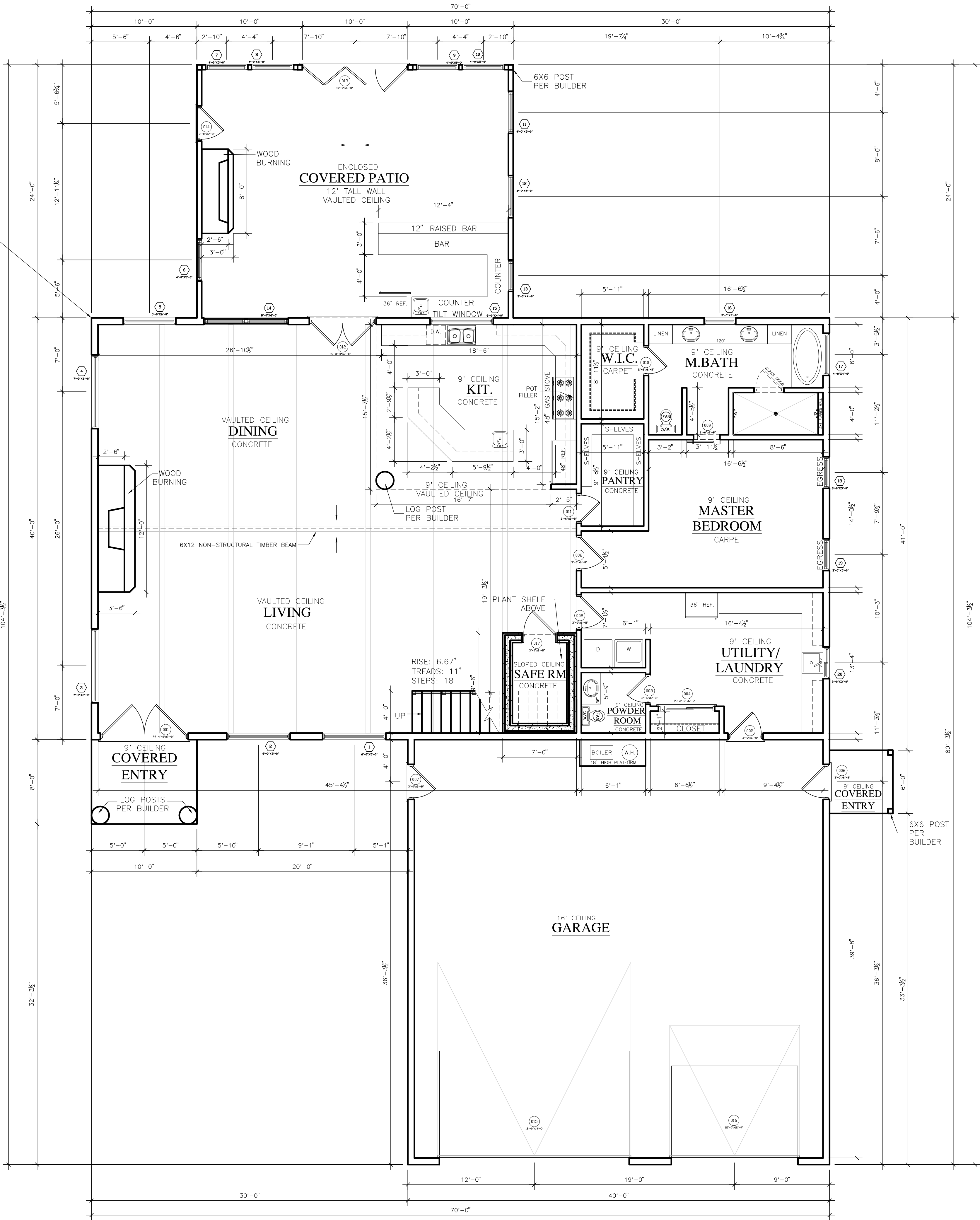
SHEET

CS

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FINAL PLANS FOR CONSTRUCTION
DATE: 2-12-2025

EXTERIOR WALLS ARE 2X8
INTERIOR WALLS ARE 2X6



DOOR AND FRAME SCHEDULE		
MARK	DOOR SIZE	
	WD	HGT
001	PR 4'-0"	7'-0"
002	3'-0"	6'-8"
003	2'-6"	6'-8"
004	PR 2'-6"	6'-8"
005	3'-0"	6'-8"
006	3'-0"	6'-8"
007	3'-0"	6'-8"
008	3'-0"	6'-8"
009	2'-6"	6'-8"
010	2'-6"	6'-8"
011	2'-6"	6'-8"
012	PR 3'-0"	7'-0"
013	10'-0"	6'-8"
014	3'-0"	6'-8"
015	18'-0"	14'-0"
016	12'-0"	12'-0"
017	3'-0"	6'-8"

WINDOW SCHEDULE			
MARK	SIZE		Style
	WIDTH	HEIGHT	
001	6'-0"	5'-0"	Picture
002	6'-0"	5'-0"	Picture
003	7'-0"	6'-0"	Picture
004	7'-0"	6'-0"	Picture
005	5'-0"	6'-0"	Picture
006	4'-0"	5'-0"	SH
007	4'-0"	5'-0"	SH
008	4'-0"	5'-0"	SH
009	4'-0"	5'-0"	SH
010	4'-0"	5'-0"	SH
011	4'-0"	5'-0"	SH
012	4'-0"	5'-0"	SH
013	3'-0"	4'-0"	SH
014	8'-0"	6'-0"	DBL.SH
015	6'-0"	4'-0"	Picture
016	3'-0"	2'-0"	Picture
017	4'-0"	4'-0"	Picture
018	3'-0"	5'-0"	SH
019	3'-0"	5'-0"	SH
020	3'-0"	3'-0"	Glider

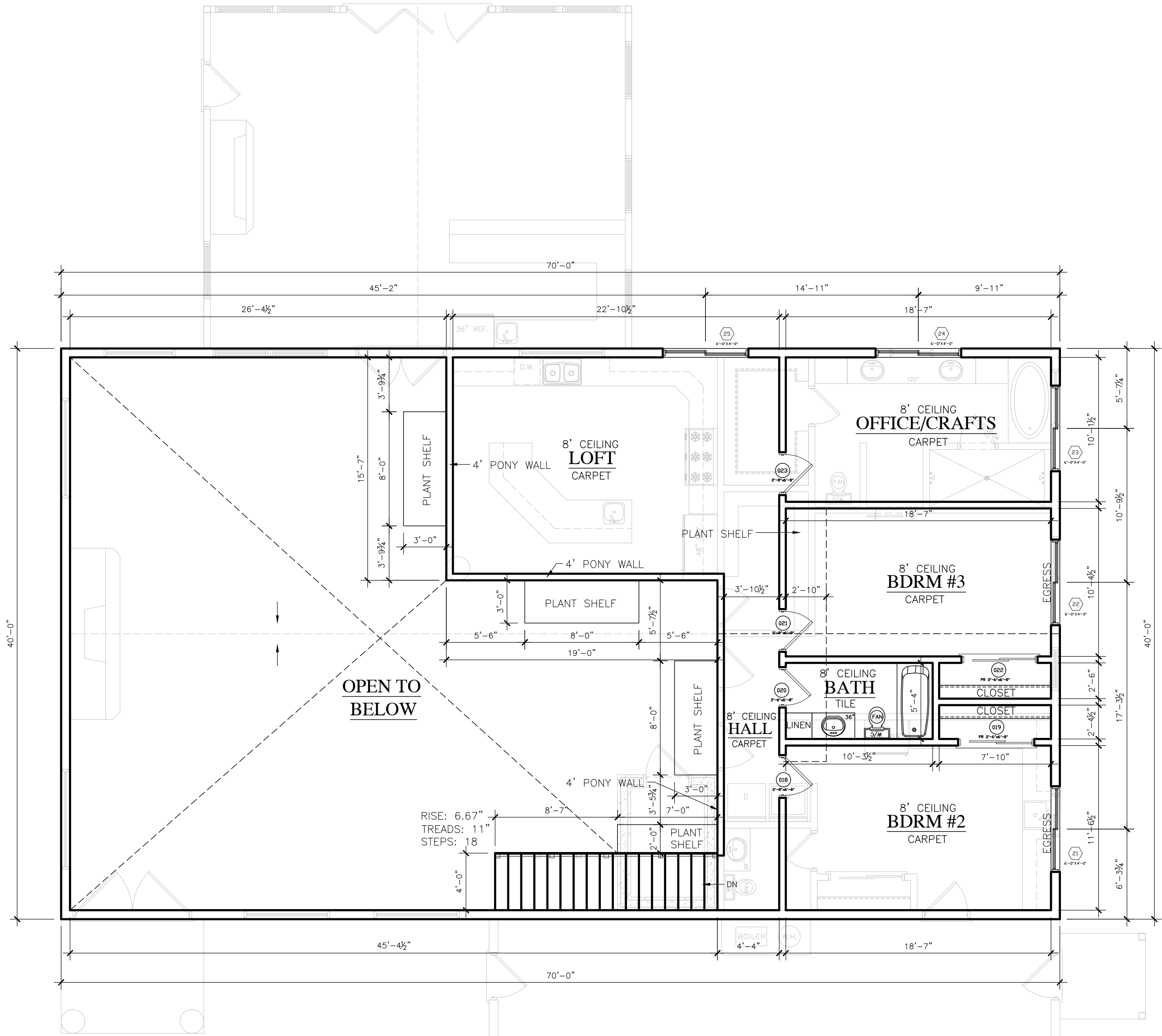
SQUARE FOOTAGE TABLE	
SPACE	AREA
GARAGE	1611.67 SF
MAIN FLOOR SF	2800.00 SF
UPPER FLOOR SF	1268.75 SF

MAIN FLOOR PLAN

SHEET

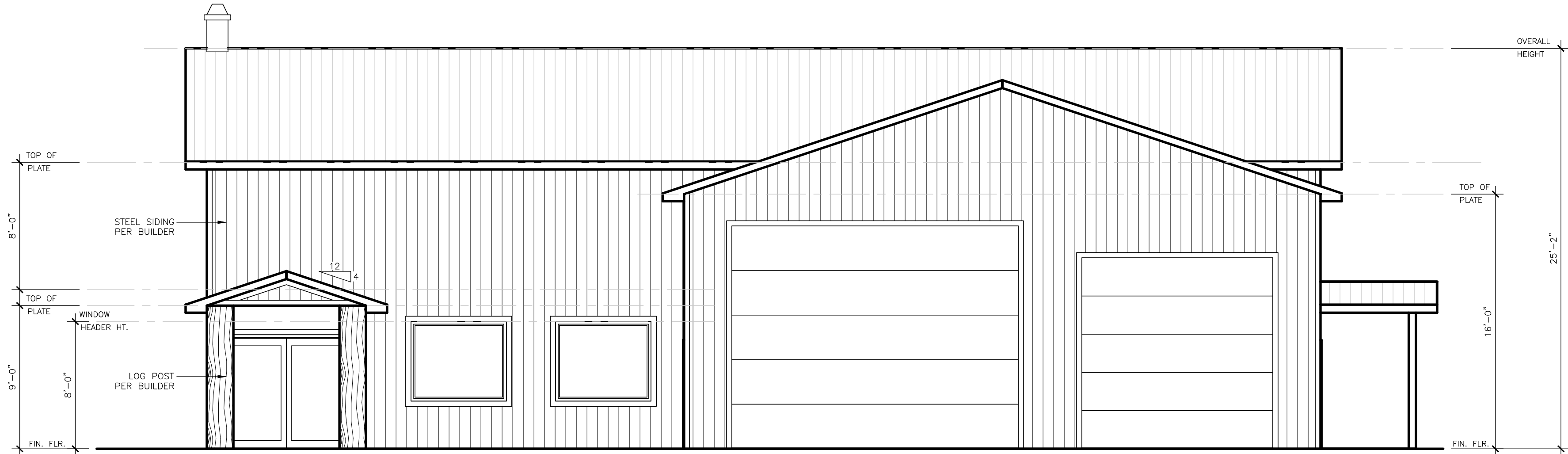
A1

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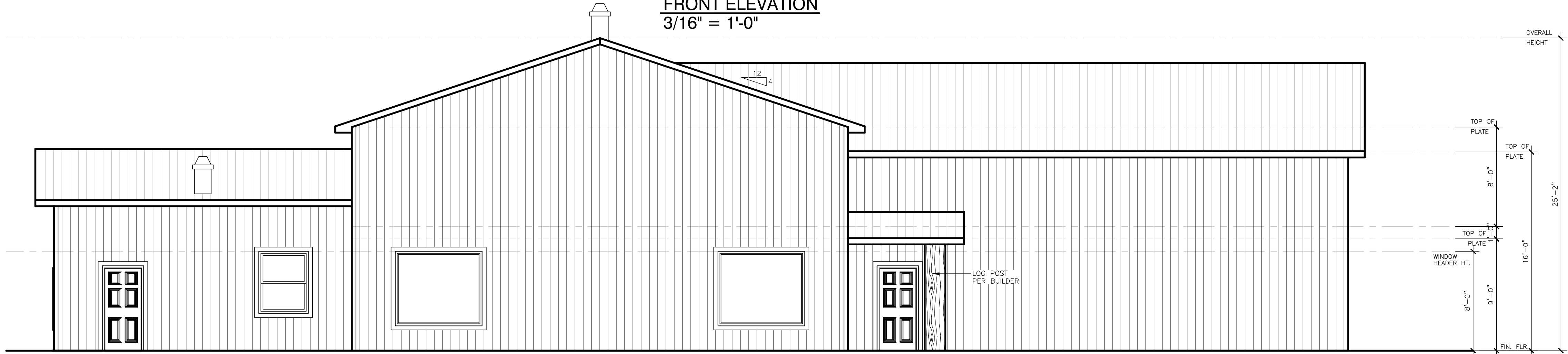


UPPER FLOOR PLAN

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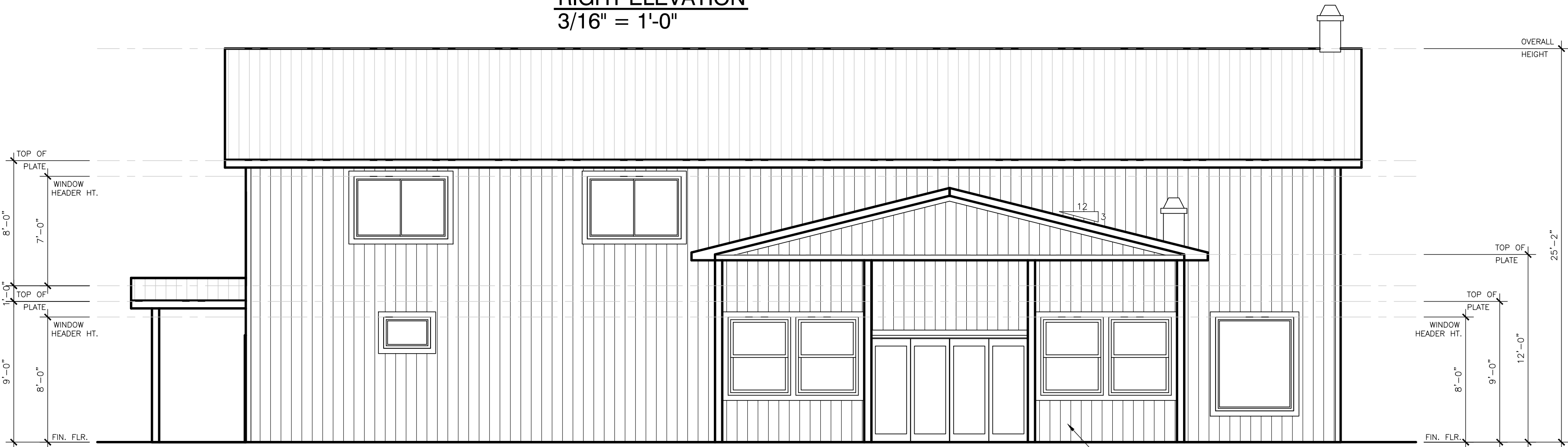
FRONT ELEVATION
3/16" = 1'-0"



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



RIGHT ELEVATION
3/16" = 1'-0"



REAR ELEVATION
3/16" = 1'-0"

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DOOR AND WINDOW HEADER SCHEDULE

OPENING WIDTH	HEADER SIZE
3'	(2) 2X8 HEM-FIR
4'	(2) 2X8 HEM-FIR
5'	(2) 2X8 HEM-FIR
6'	(2) 2X10 HEM-FIR
8'	(3) 2X10 HEM-FIR
10'	(2) 1-3/4 x 11-5/8" ML
12'	(2) 1-3/4 x 11-5/8" ML
16'	(2) 1-3/4 x 14" ML

HEADERS BELOW A GIRDER TRUSS OR BELOW ANY ADDITIONAL POINT LOAD SHOULD BE REVIEWED BY AN ENGINEER.

EGRESS NOTES:

BASEMENTS IN DWELLING UNITS AND EVERY SLEEPING ROOM BELOW THE FOURTH STORY MUST HAVE ONE OPERABLE WINDOW OR EXTERIOR DOOR APPROVED FOR ESCAPE OR RESCUE. ALL ESCAPE OR RESCUE WINDOWS SHALL HAVE A MINIMUM NET CLEAR OPENING OF 5.7 SQUARE FEET. MINIMUM NET CLEAR OPENING HEIGHT IS 24 INCHES. THE MINIMUM NET CLEAR OPENING WIDTH IS 20". THE MAXIMUM SILL HEIGHT IS 44 INCHES FROM THE FLOOR.

VENTILATION AND LIGHTING NOTES:

ALL ROOMS MUST MEET MINIMUM VENTILATION AND LIGHTING REQUIREMENTS.
VENTILATION - .04% PER SQUARE FOOT
LIGHTING - .08% PER SQUARE FOOT

EGRESS STANDARDS ALSO APPLY

EXTERIOR WALL PLUMBING NOTES:

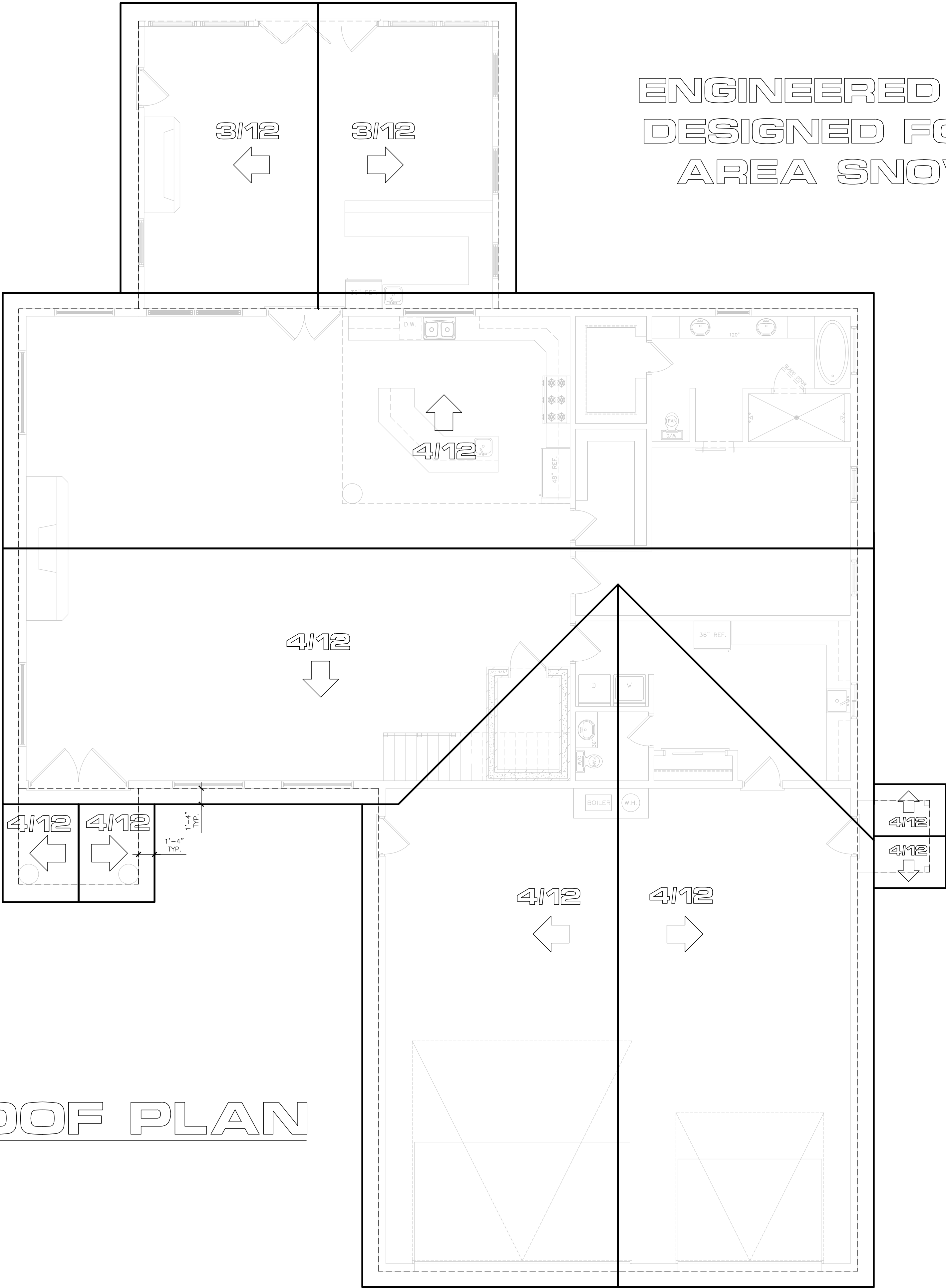
NO P TRAPS, WATER OR HEAT LINES ALLOWED IN OUTSIDE WALLS, WALLS COMMON TO GARAGE OR CEILINGS UNLESS DEEP ENOUGH OR IF HEATED.

ATTIC SPACE IS CONSIDERED TO BE AN OUTSIDE WALL.

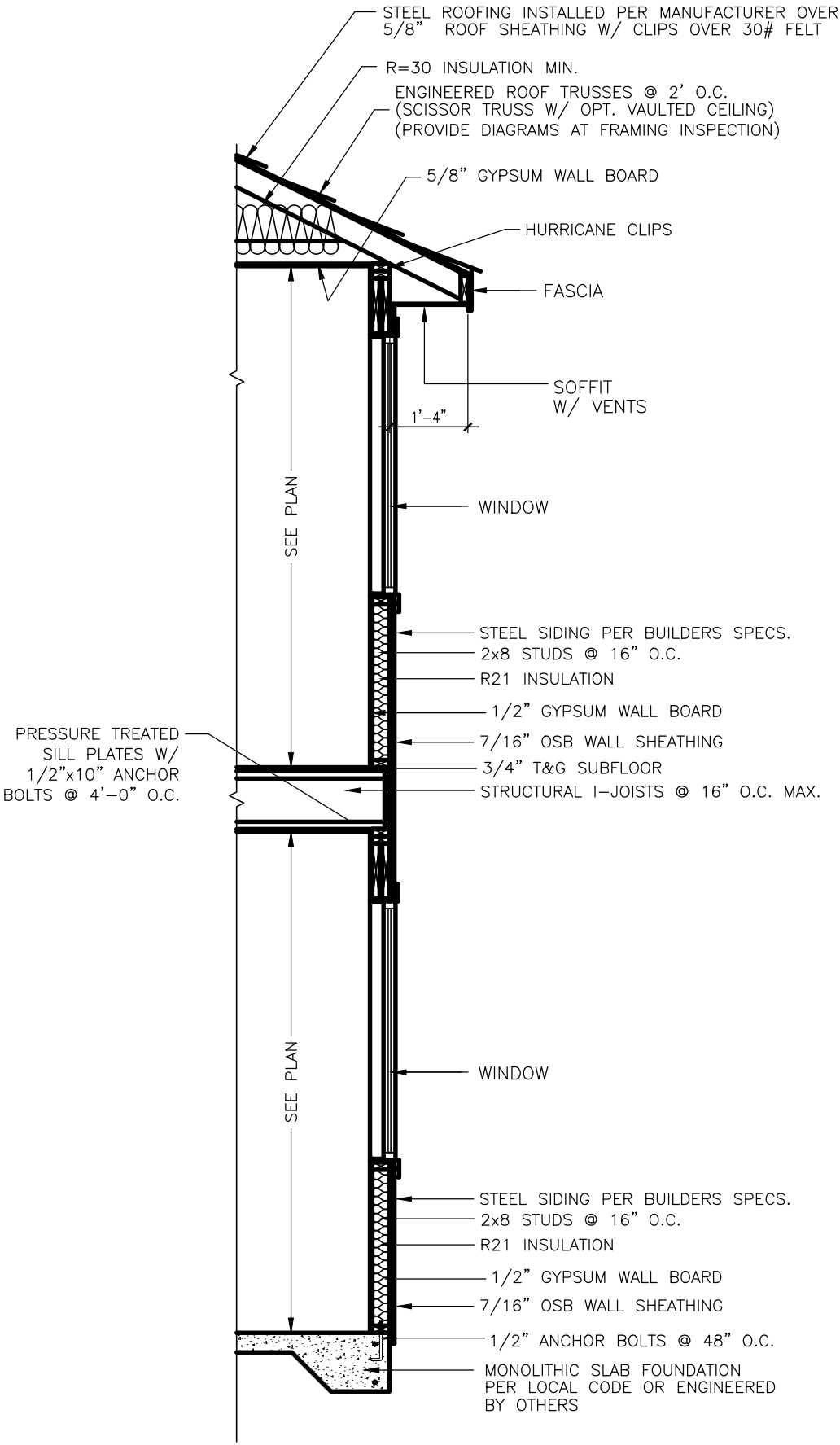
GARAGE NOTES:

NEED 1/2" GYP-BOARD ON GARAGE SIDE OF SEPARATION BETWEEN HOUSE AND GARAGE. EQUALLY PROTECT WALLS AND MEMBERS SUPPORTING SEPARATION. NEED 5/8" TYPE "X" GYP-BOARD ON CELINGS OF GARAGES WITH HABITABLE SPACE ABOVE. DOORS IN SEPARATION WALLS MUST BE 1-3/8" SOLID WOOD OR STEEL.

ROOF PLAN



ENGINEERED TRUSSES
DESIGNED FOR LOCAL
AREA SNOW LOAD



TYP. 2-STORY WALL SECTION
SCALE: 1/2" = 1'-0"

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ELECTRICAL SYMBOL LEGEND

- \$

SINGLE SWITCH
- ⌘

THREE-WAY SWITCH
- ⌘

DIMMER SWITCH
- ⌘

110 OUTLET
- ⌘²²⁰

220 OUTLET
- ⌘^{GFI}

GROUND FAULT INTERRUPTER
- ⌘^{GFI W/P}

GROUND FAULT INTERRUPTER WATERPROOFED
- ⌘

RECESSED CAN
- LIGHT BAR
- SCONCE

SCONCE
- LED LIGHT 2x4

2x4 LED LIGHT
- 1x4 LED

1x4 LED LIGHT
- OPENER

GARAGE DR. OPENER
- ⊕

CEILING LIGHT
- ⊕

PENDANT LIGHT
- ⊕

SURFACE MOUNT LIGHT
- ⊗

CEILING FAN
- ⊗

CEILING FAN W/ LIGHT
- ⊗

LIGHT BAR
- ⊗

WALL MOUNT LIGHT
- ⊗

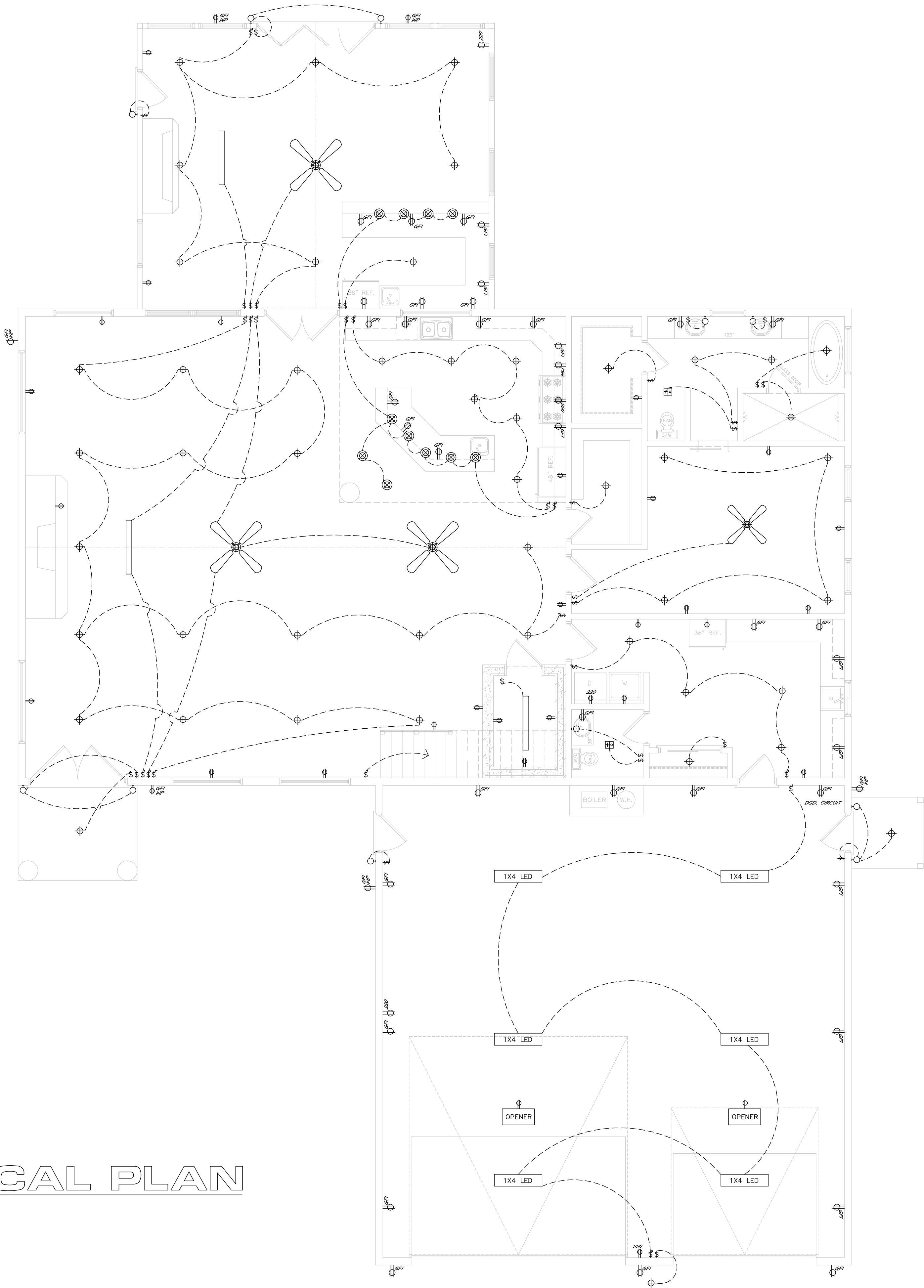
FAN-LIGHT COMBO
- ⊗

PHONE JACK
- ⊗

TV OUTLET
- ⊗

SMOKE DETECTOR
- ⊗

CARBON MONOXIDE DETECTOR



MAIN FLOOR ELECTRICAL PLAN

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SINGLE SWITCH
- ⌘

THREE-WAY SWITCH
- ⌘

DIMMER SWITCH
- ⌀

110 OUTLET
- ⌀²²⁰

220 OUTLET
- ⌀^{GFI}

GROUND FAULT INTERRUPTER
- ⌀^{GFI}_{WP}

GROUND FAULT INTERRUPTER
WATERPROOFED
- ⌀

RECESSED CAN
- SCONCE

SCONCE
- LED LIGHT
2x4

2x4 LED LIGHT
- 1x4 LED

1x4 LED LIGHT
- OPENER

GARAGE DR. OPENER
- ⊕

CEILING LIGHT
- ⊕

PENDANT LIGHT
- ⊞

SURFACE MOUNT LIGHT
- ⊗

CEILING FAN
- ⊗

CEILING FAN W/ LIGHT
- ⊞

LIGHT BAR
- WALL MOUNT LIGHT
- ⊞

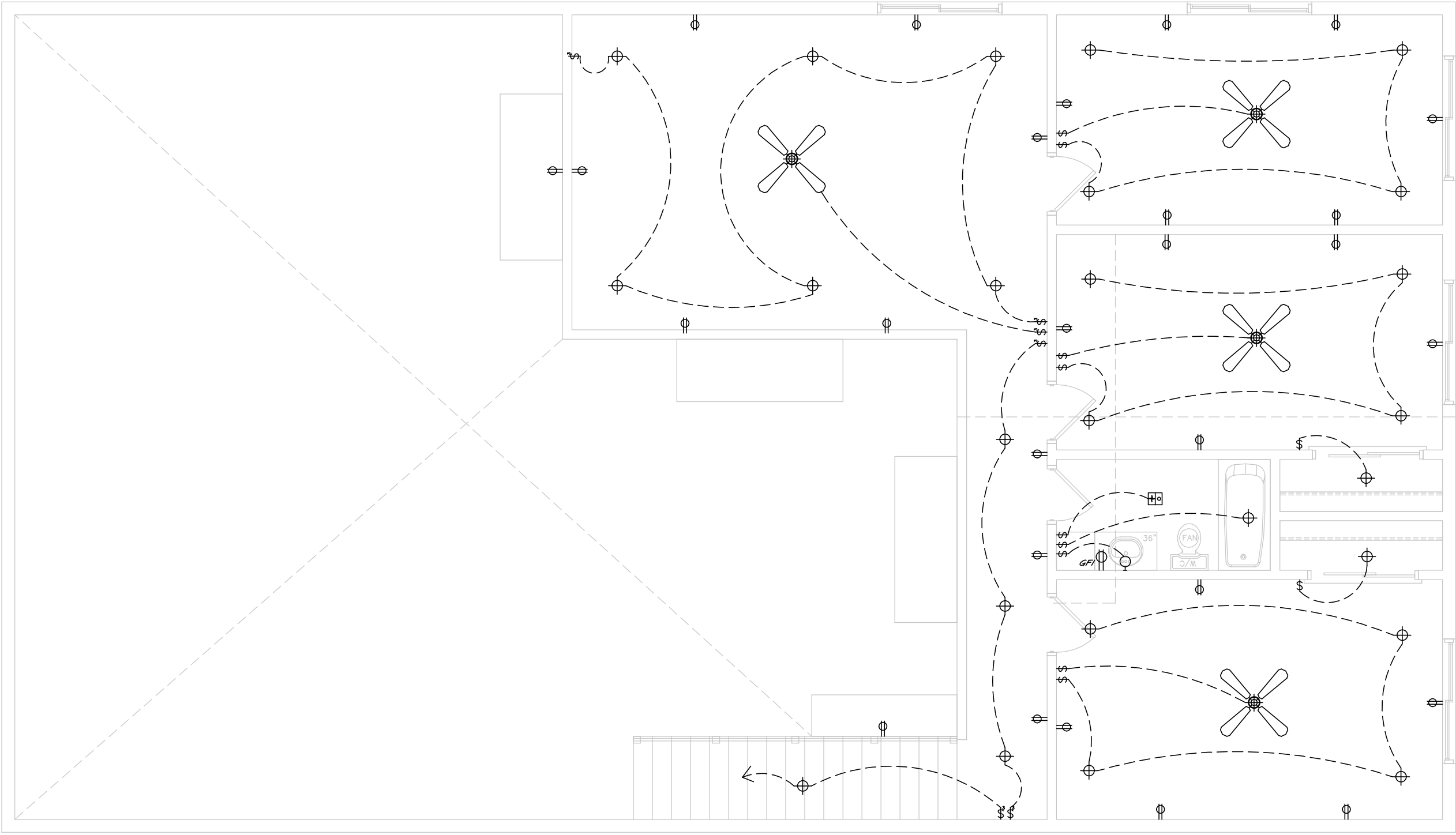
FAN-LIGHT COMBO
- PHONE
K

PHONE JACK
- TV

TV OUTLET
- ⊞

SMOKE DETECTOR
- ⊞

CARBON MONOXIDE DETECTOR

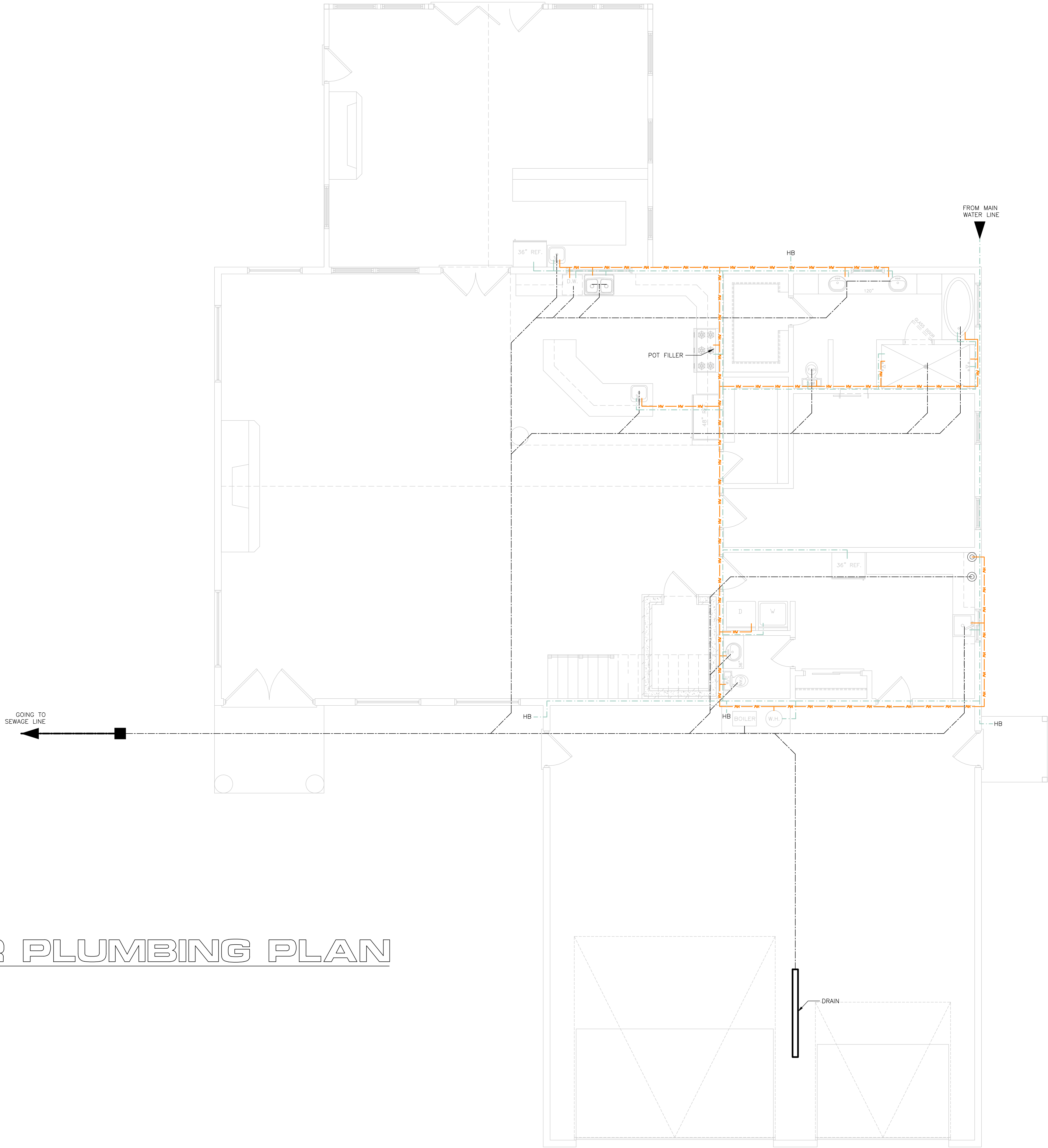


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PLUMBING SYMBOL LEGEND

- COLD WATER LINE
- HOT WATER LINE
- RISER
- HB - HOSE BIB
- MAIN WASTE LINE
- DRAIN LINES
- CLEANOUT
- GAS LINE

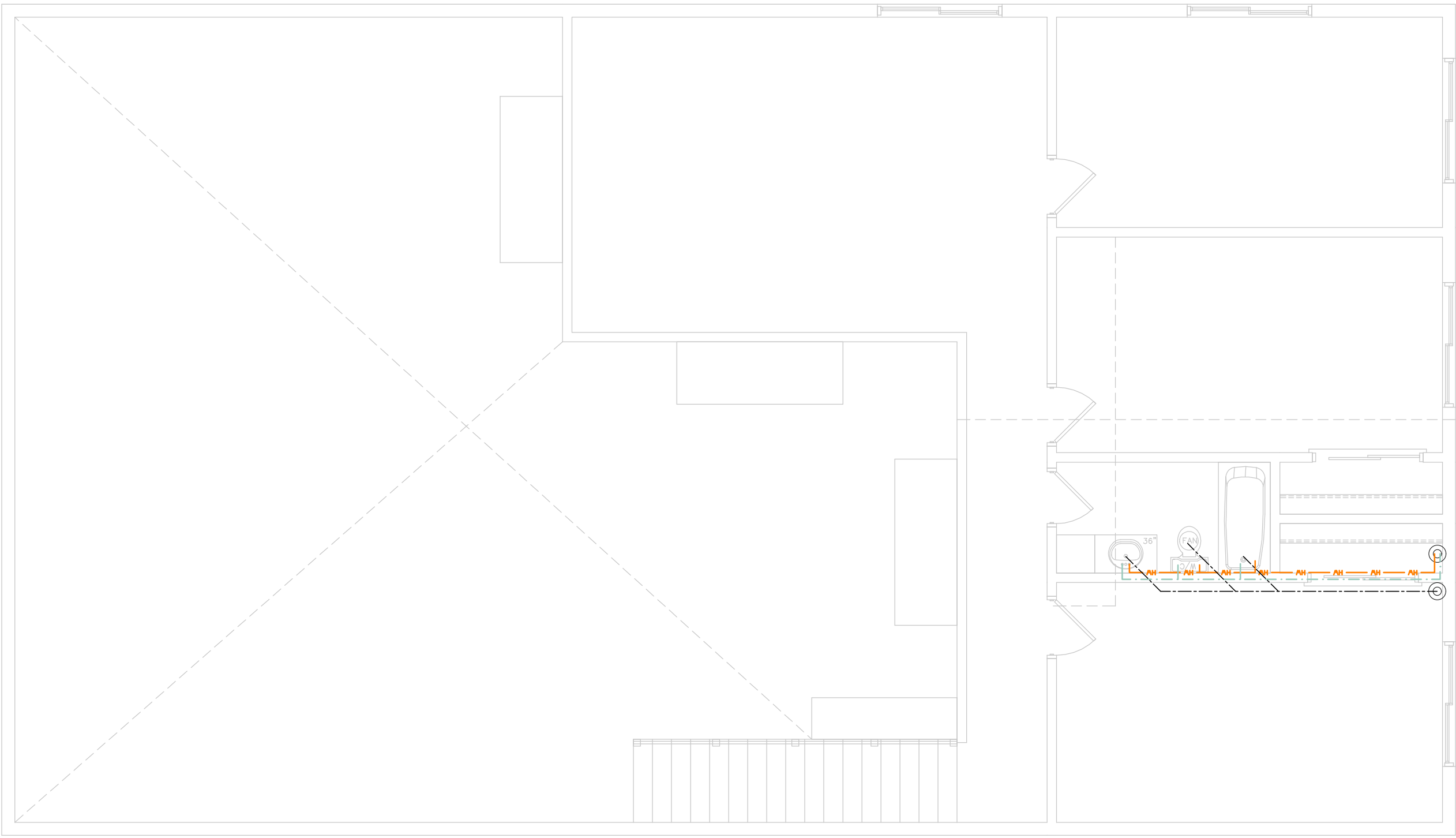


MAIN FLOOR PLUMBING PLAN

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PLUMBING SYMBOL LEGEND

- COLD WATER LINE
- HOT WATER LINE
- RISER
- HB
+ - HOSE BIB
- MAIN WASTE LINE
- DRAIN LINES
- CLEANOUT
- GAS LINE



UPPER FLOOR PLUMBING PLAN