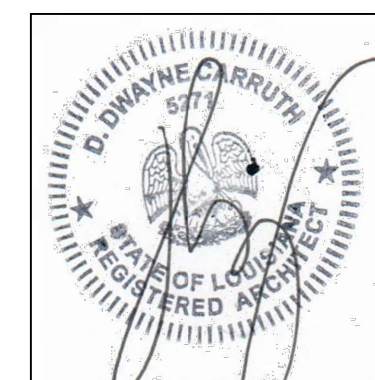


site plan

scaled at 1" = 20'-0"



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slidell, louisiana

the divincinti residence

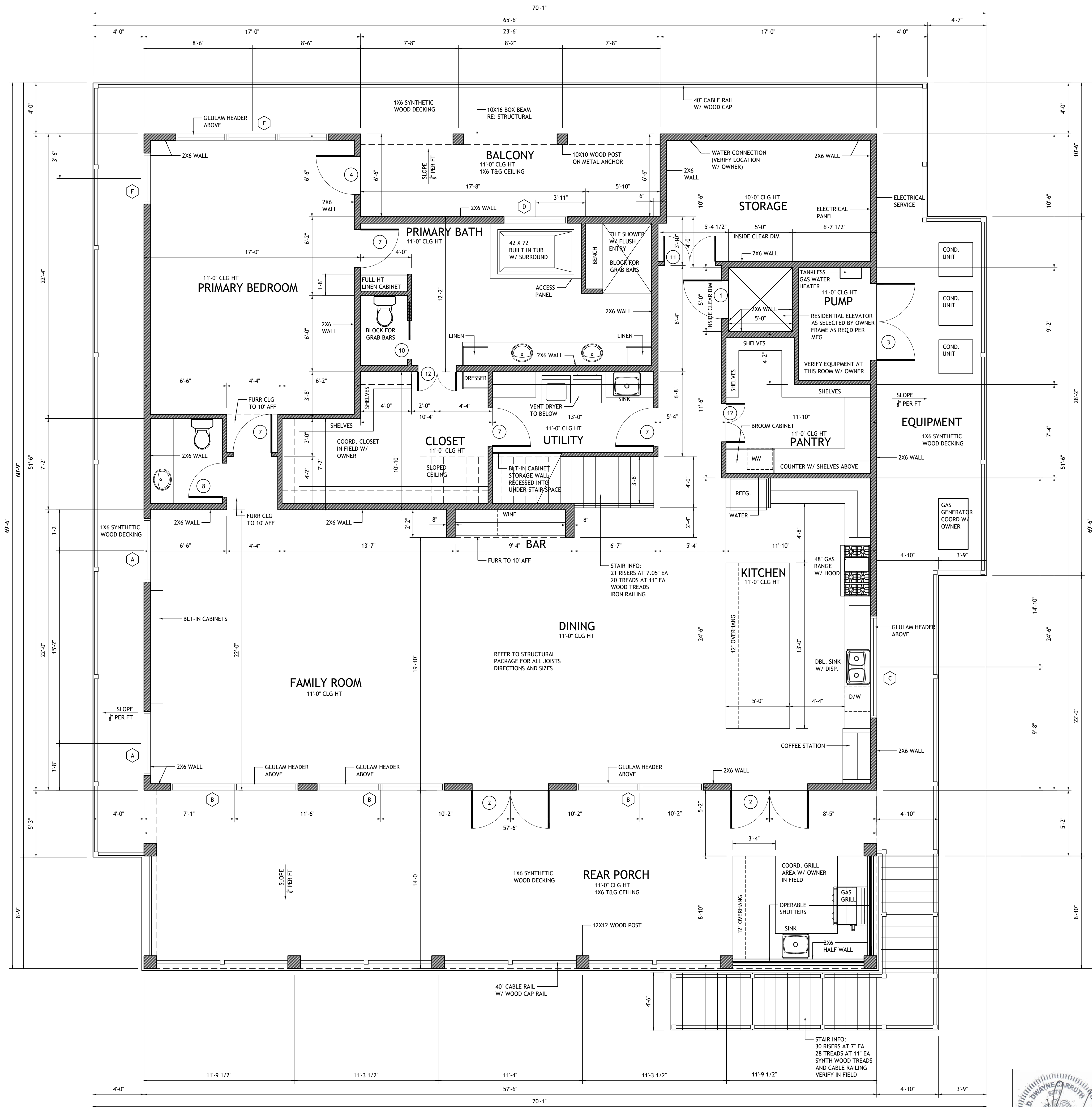
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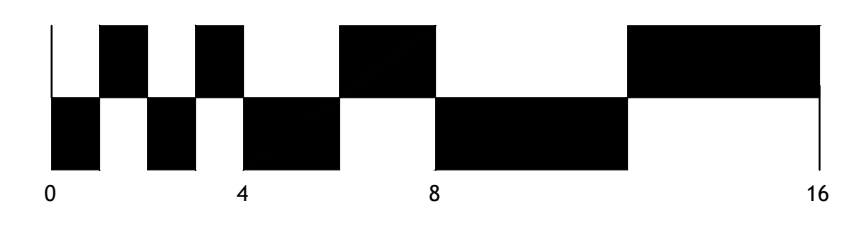
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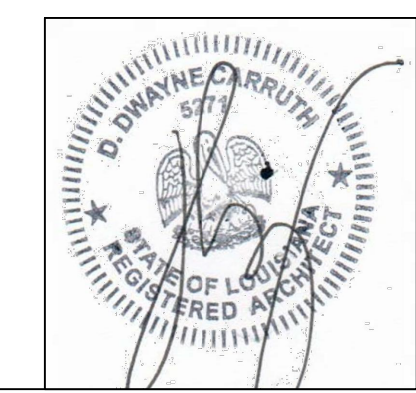
**floor plan - level 1**  
scaled at 1/4" = 1'-0"



square footage	
LIVING AREA - LEVEL 1	2,726 SQ. FT.
LIVING AREA - LEVEL 2	1,214 SQ. FT.
<b>TOTAL LIVING AREA</b>	<b>3,940 SQ. FT.</b>
REAR PORCH	805 SQ. FT.
LOWER STORAGE	218 SQ. FT.
PUMP ROOM	55 SQ. FT.
FRONT PORCH	153 SQ. FT.
<b>TOTAL AREA</b>	<b>5,171 SQ. FT.</b>

**general note**

ALL DRAWINGS PREPARED BY THE FRONT DOOR DESIGN STUDIO ARE DESIGNED TO MEET THE REQUIREMENTS OF IRC 2021 ASSUMING WIND SPEEDS OF 142 MPH, SDC CATEGORY A. DRAWINGS ARE PREPARED AND CERTIFIED BY LICENSED ARCHITECT #LA 5271.



builder shall be allowed to deviate from all plans and specifications in such that given changes do not affect structural or design integrity - builder shall verify all dimensions - plans remain the property of the front door design studio and are released for the sole residence hereby noted - illegal use of drawings will be prosecuted

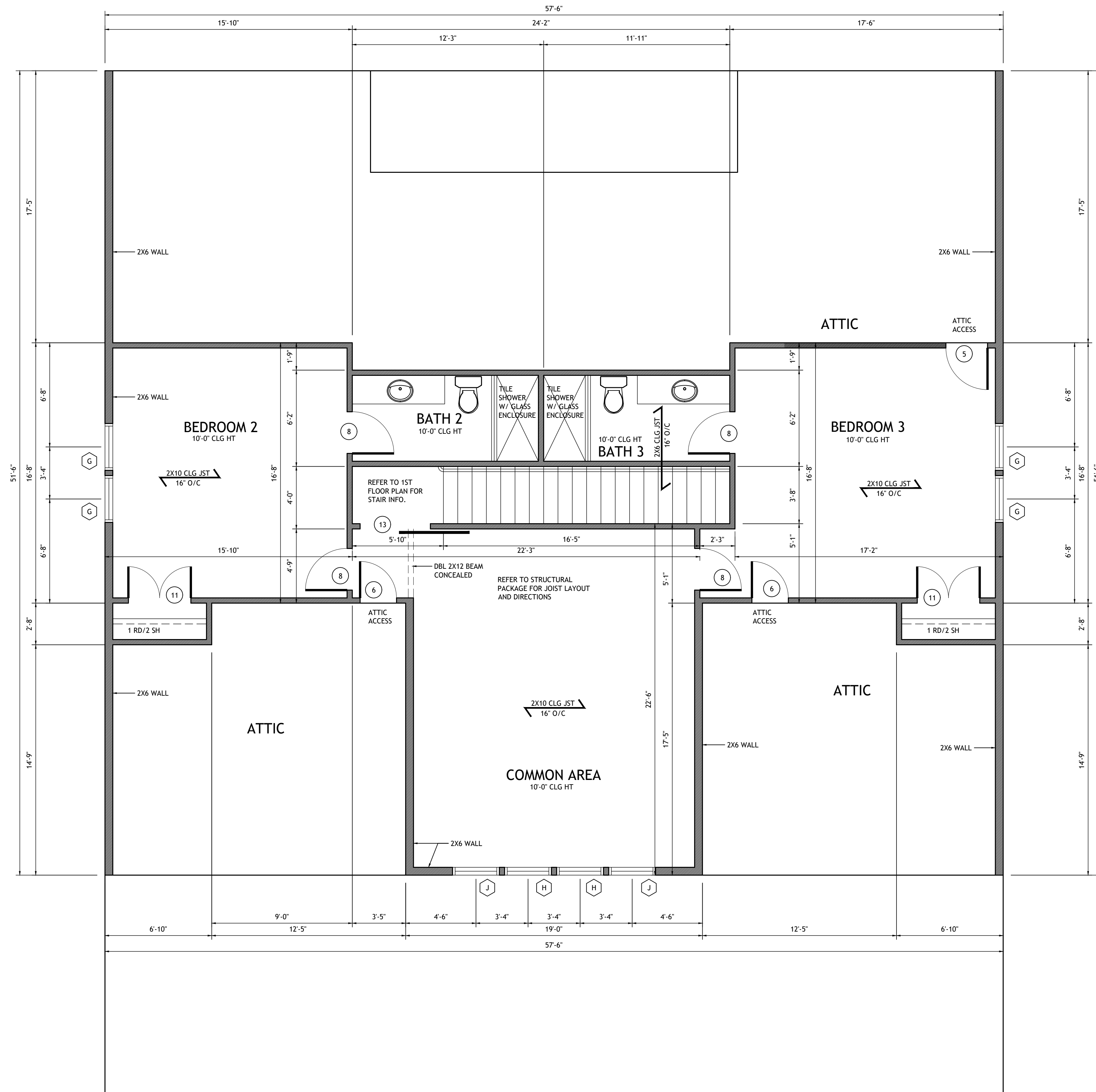
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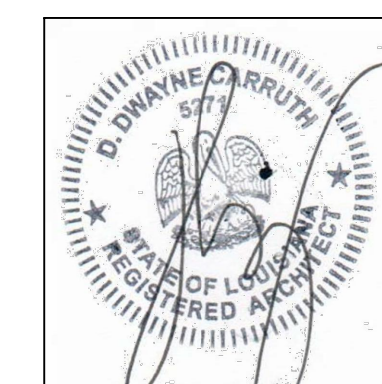
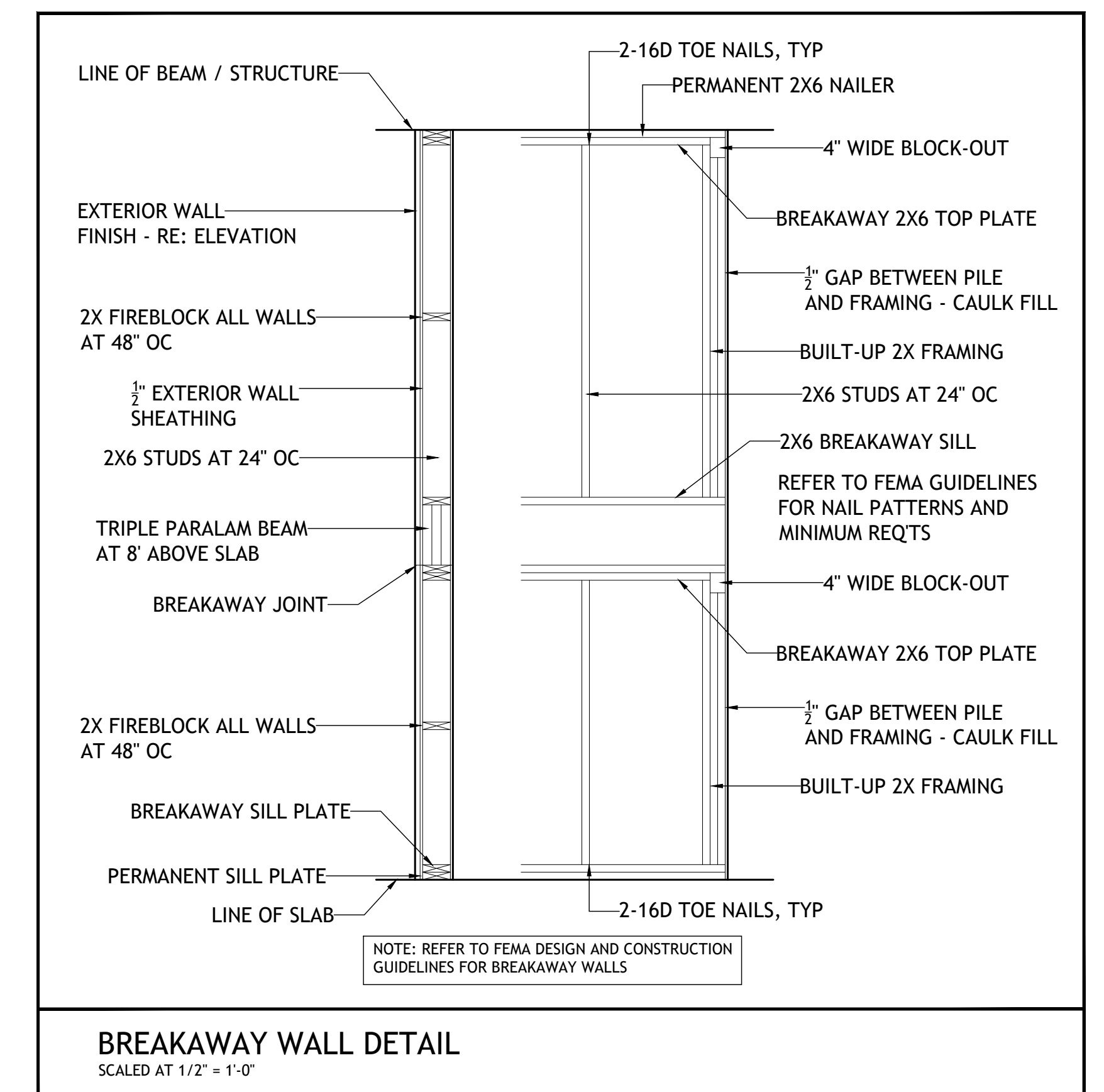
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floor plan - level 2  
scaled at 1/4" = 1'-0"



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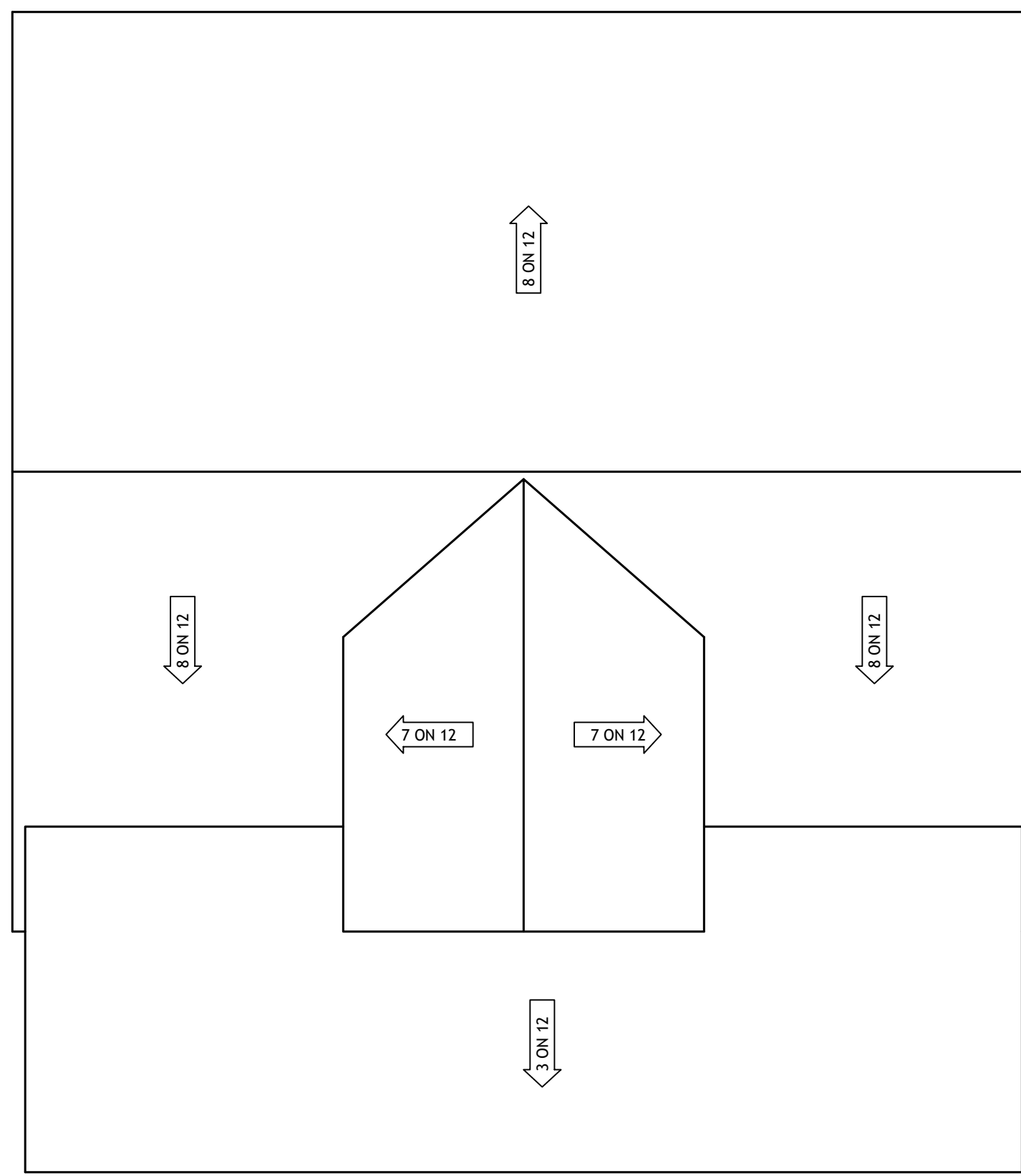
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**roof plan**

scaled at 1/8" = 1'-0"

**GENERAL ROOF NOTES:**

ROOFING INSTALLATION SHALL MEET ALL REQUIREMENTS TO MEET IBHS FORTIFIED ROOF 2020 STANDARDS.

ROOF SHEATHING SHALL BE 5/8" OSB WITH FOIL BACKING. USE MINIMUM 8D X 2-3/8" LONG ROOF SHEATHING RING-SHANK NAILS FOR CONNECTION OF ALL SHEATHING. RING-SHANK NAILS SHOULD COMPLY WITH ASTM F1667. TAPE ALL SEAMS WITH 4" SELF-ADHERING TAPE AND SEAL DECK PER FORTIFIED ROOF 2020 STANDARDS.

UNDERLAYMENT SHALL MEET 2 LAYERS ASTM D226 TYPE II #30 ASTM D4869 TYPE III OR TYPE IV #30 UNDERLAYMENT INSTALL PER FORTIFIED ROOF 2020 STANDARDS. EDGES SHALL BE SEALED AND DRIP EDGE INSTALLED TO MEET FORTIFIED ROOF 2020 STANDARDS. PROVIDE ADDITIONAL UNDERLAY AT ANY PITCH LESS THAN 4 ON 12.

ROOFING SHALL BE MINIMUM 30 YEAR ASPHALT SHINGLES INSTALLED TO MEET FORTIFIED ROOF 2020 STANDARDS.

RIDGE AND OFF-RIDGE VENTS MUST BE TAS 100(A) RATED AND ANCHORED IN COMPLIANCE WITH MANUFACTURER RECOMMENDATIONS FOR HIGH WINDS. IN LOCATIONS WITH CLAY RIDGE TILE, PROVIDE LINEAR ROOF VENTS ALONG RIDGE AS REQD FOR VENTILATION

ALL ROOF PROTRUSIONS SHALL BE LOCATED ON REAR ROOF SURFACES AND PAINTED TO MATCH ROOFING.

PROVIDE MECHANICAL VENTILATION AS REQUIRED TO VENT ROOF

**DOOR SCHEDULE**

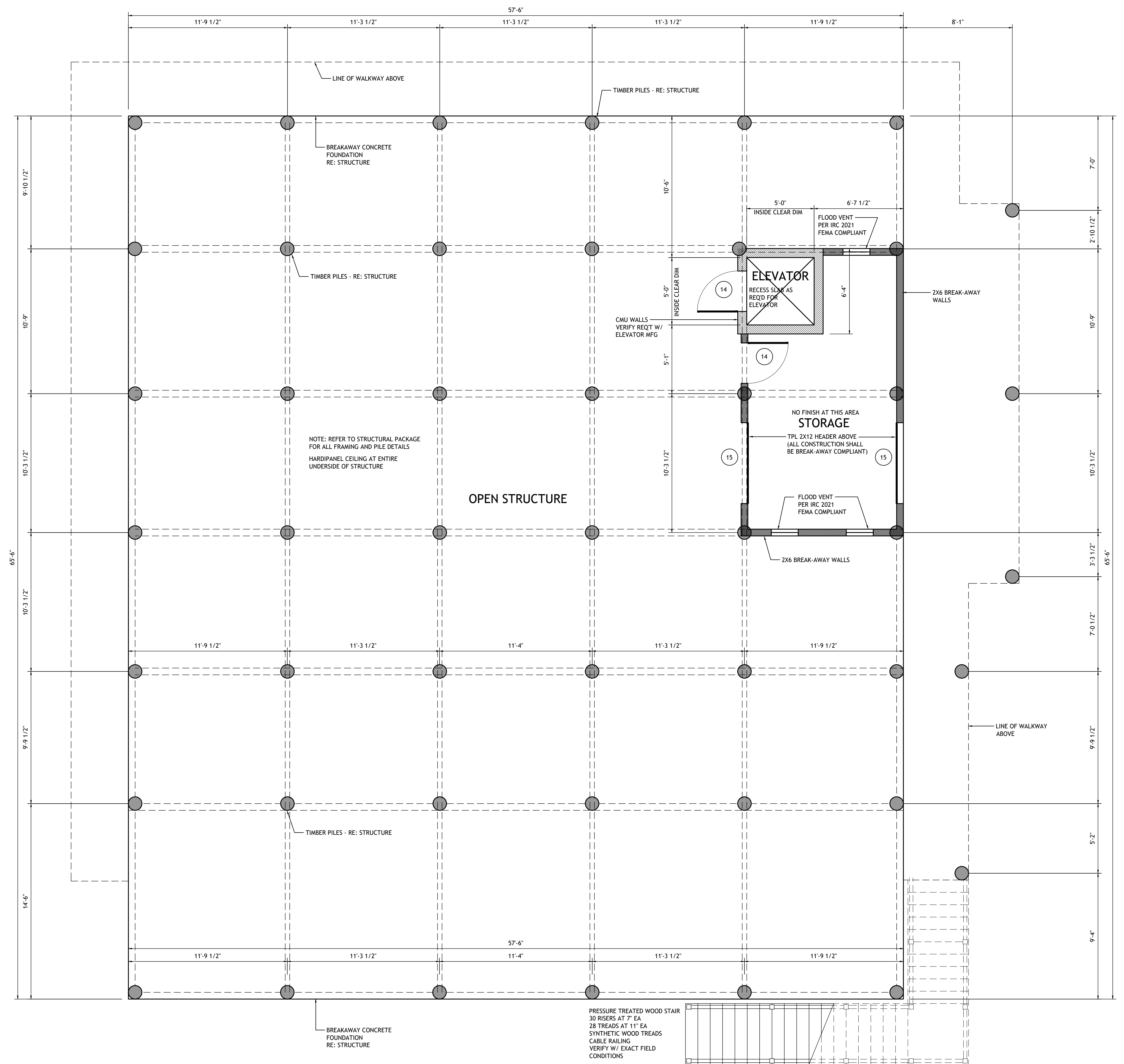
MARK	SIZE	THICK	DESCRIPTION
1	3'-0" X 8'-0"	1 3/4"	2 PANEL, FIBERGLASS, EXTERIOR GRADE, 20 MIN RATING
2	6'-0" X 9'-0"	1 3/4"	PAIR, FIBERGLASS, EXTERIOR GRADE, 1 LITE, FULL GLASS
3	6'-0" X 8'-0"	1 3/4"	PAIR, 2 PANEL, FIBERGLASS, EXTERIOR GRADE
4	3'-0" X 8'-0"	1 3/4"	FIBERGLASS, EXTERIOR GRADE, 1 LITE, FULL GLASS
5	2'-8" X 8'-0"	1 3/4"	2 PANEL, FIBERGLASS, EXTERIOR GRADE
6	2'-4" X 8'-0"	1 3/4"	2 PANEL, FIBERGLASS, EXTERIOR GRADE
7	3'-0" X 8'-0"	1 3/8"	2 PANEL, SMOOTH MASONITE FACE, INTERIOR GRADE
8	2'-8" X 8'-0"	1 3/8"	2 PANEL, SMOOTH MASONITE FACE, INTERIOR GRADE
9	2'-4" X 8'-0"	1 3/8"	2 PANEL, SMOOTH MASONITE FACE, INTERIOR GRADE
10	3'-0" X 8'-0"	1 3/8"	2 PANEL, SMOOTH MASONITE FACE, INTERIOR GRADE, POCKET
11	4'-0" X 8'-0"	1 3/8"	PAIR, 2 PANEL, SMOOTH MASONITE FACE, INTERIOR GRADE
12	3'-0" X 8'-0"	1 3/8"	PAIR, 2 PANEL, SMOOTH MASONITE FACE, INTERIOR GRADE
13	4'-6" X 8'-0"	1 3/8"	CUSTOM BARN DOOR ON SURFACE MOUNT TRACK, AS SELECTED BY OWNER
14	3'-0" X 8'-0"	1 3/4"	2 PANEL, FIBERGLASS, EXTERIOR GRADE
15	6'-0" X 8'-0"	STD	OVERHEAD GARAGE DOOR W/ AUTO OPENER, 140 MPH PRESSURE RATED

**WINDOW SCHEDULE**

MARK	SIZE	LITES	DESCRIPTION
A	5'-0" X 6'-0"	1/1	FIXED, VINYL, INSULATING W/ 5'-0" X 2'-0", 1-LITE TRANSOM, MULLED
B	2 - 5'-0" X 6'-0"	1/1	PAIR, FIXED, VINYL, INSULATING W/ 5'-0" X 2'-0", 1-LITE TRANSOM, MULLED
C	8'-0" X 5'-6"	1	FIXED, VINYL, INSULATING
D	5'-0" X 5'-0"	1	FIXED, VINYL, INSULATING - TEMPERED
E	3 - 4'-0" X 6'-0"	1/1	TRIPLE, FIXED, VINYL, INSULATING W/ 4'-0" X 2'-0" 1-LITE TRANSOMS, MULLED
F	4'-0" X 6'-0"	1/1	FIXED, VINYL, INSULATING W/ 4'-0" X 2'-0" 1-LITE TRANSOM, MULLED
G	3'-0" X 5'-6"	1	CASEMENT, VINYL, INSULATING
H	3'-0" X 5'-0"	1	FIXED, VINYL, INSULATING
J	3'-0" X 5'-0"	1	CASEMENT, VINYL, INSULATING

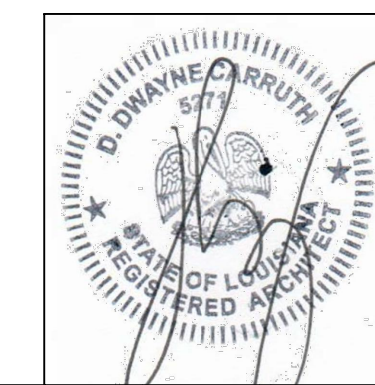
**WINDOW NOTES:**

- ALL WINDOWS TO HAVE 2" BRICK MOULD TRIM, TYPICAL.
- ALL WINDOW UNITS SHALL MEET ALL LOCAL WIND AND ENERGY REQUIREMENTS AS PER IRC 2021
- ALL WINDOWS SHALL HAVE BOTH INTERIOR AND EXTERIOR APPLIED, RAISED PROFILE MULLIONS
- TEMPERED GLAZING REQUIRED AS PER IRC 2021 R308.4.3 AT LOCATIONS AS LISTED.
- WINDOW MANUFACTURER TO PROVIDE AS REQUIRED.
- 1- PANE IS LARGER THAN 9 SQ FT
- 2- BOTTOM EDGE OF GLASS IS LESS THAN 18" AFF
- 3- TOP EDGE OF GLASS IS MORE THAN 36" AFF
- 4- ONE OR MORE WALKING SURFACE IS WITHIN 36" OF THE WINDOW
- 5- ALL DOOR GLAZING SHALL BE TEMPERED
- 6- ALL GLAZING WITHIN 24" OF A DOOR



**floor plan - grade level**

scaled at 1/4" = 1'-0"



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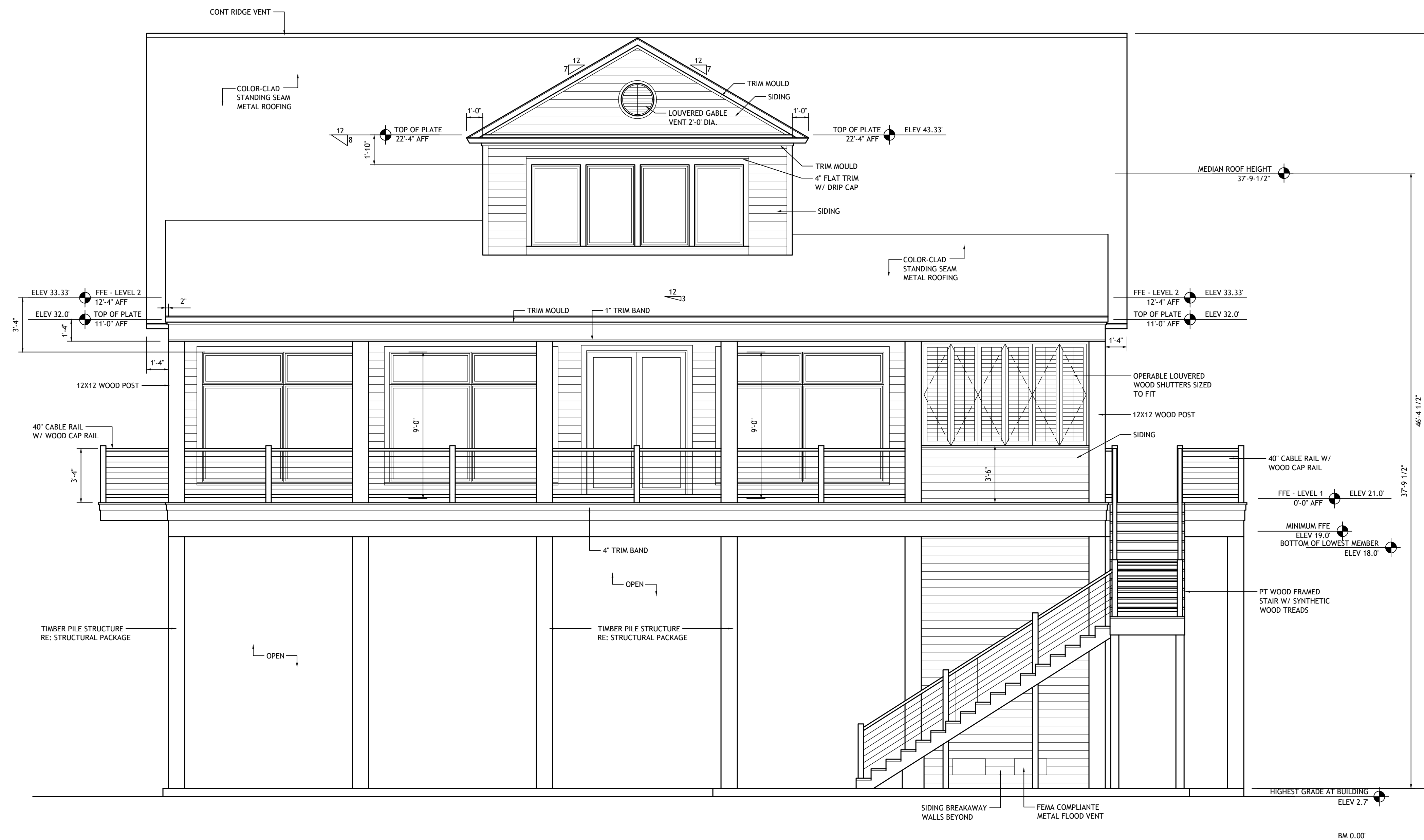
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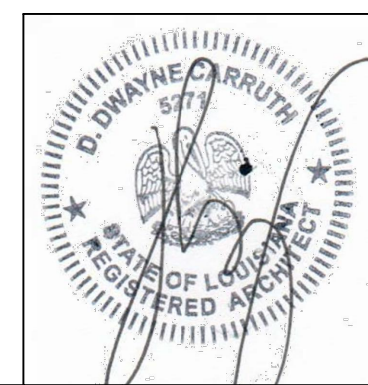
december 11, 2023  
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july 17, 2024

a-1.4



rear elevation

scaled at 1/4" = 1'-0"



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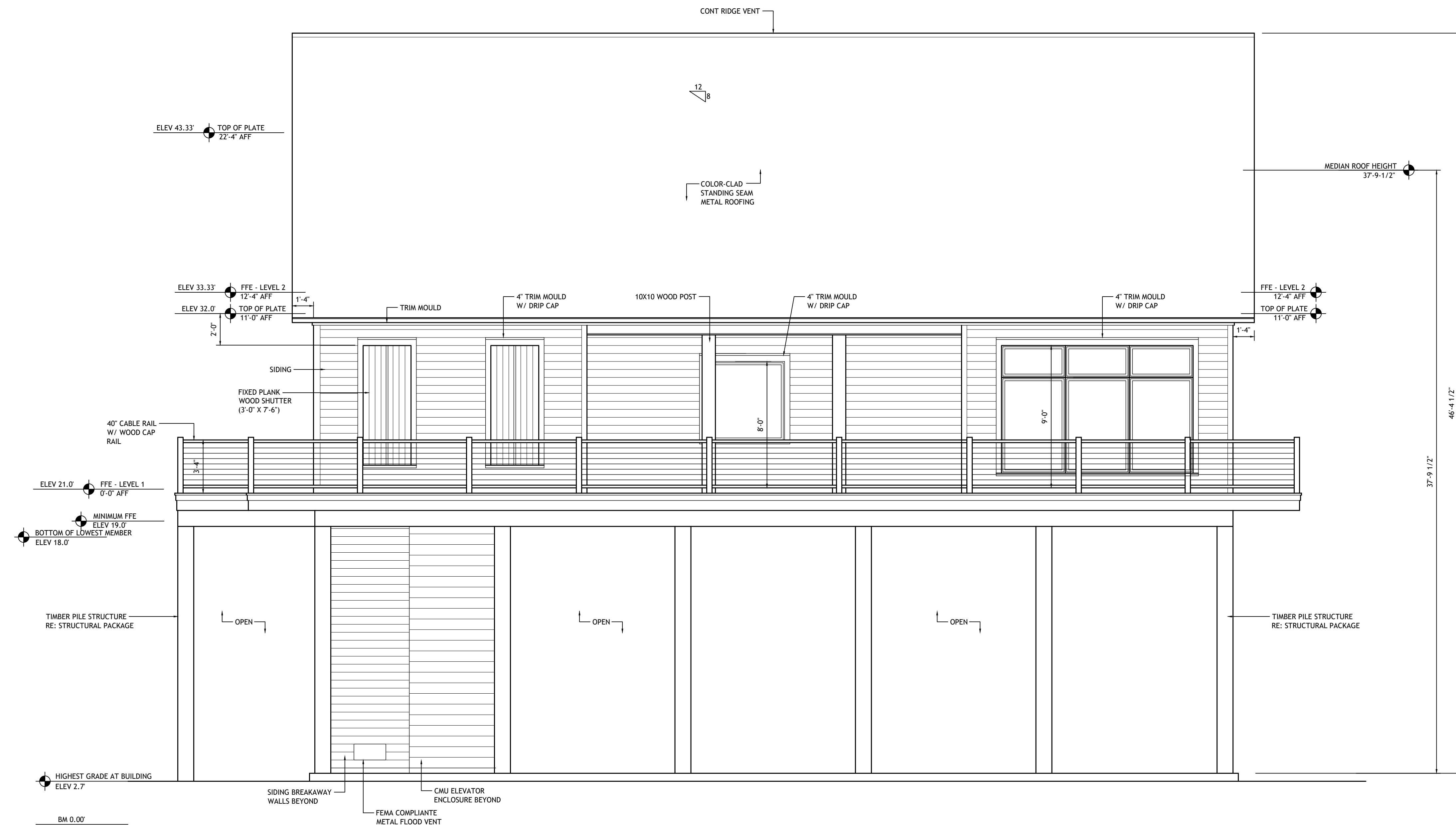
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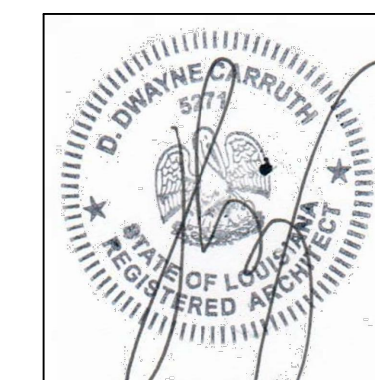
december 11, 2023  
june 28, 2024  
july 17, 2024

a-2.1



rear side elevation

scaled at 1/4" = 1'-0"



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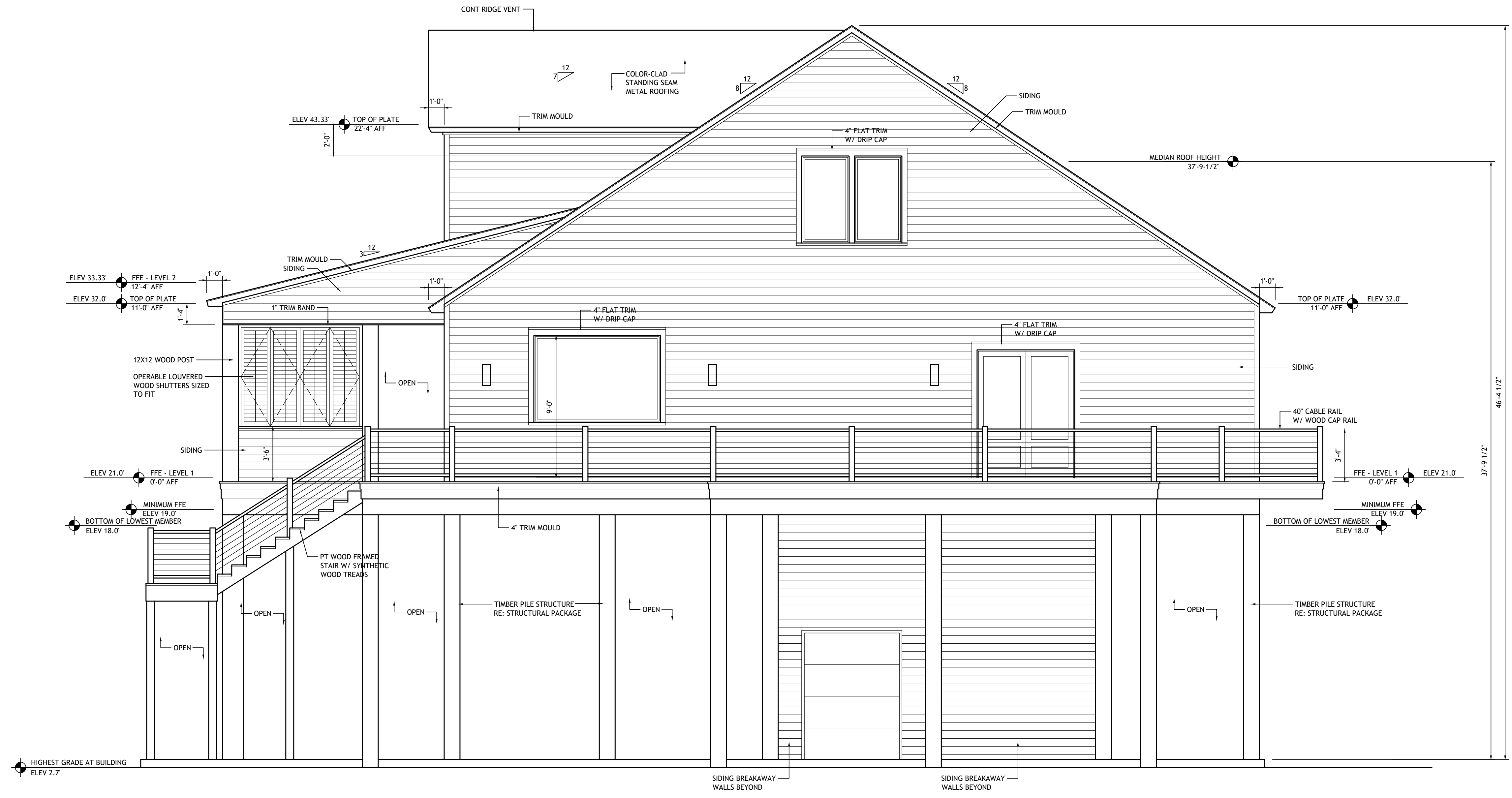
the divincinti residence

project 21-154

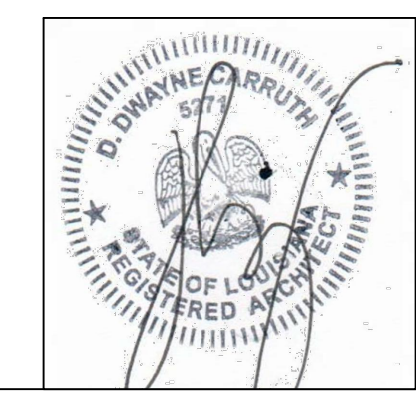
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a-2.2



left side elevation  
scaled at 1/4" = 1'-0"



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lot 55, treasure isle  
slidell, louisiana

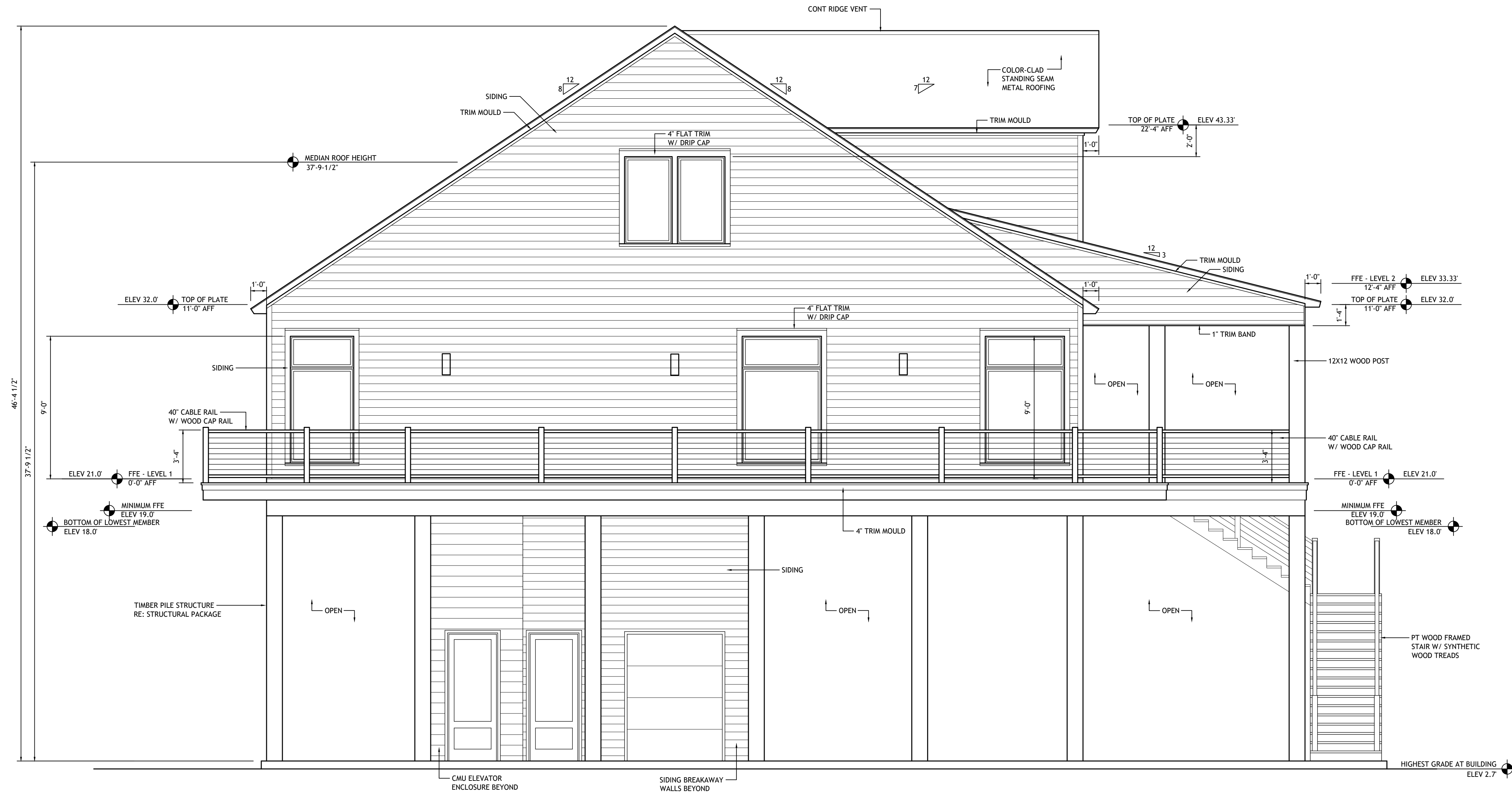
the divincinti residence

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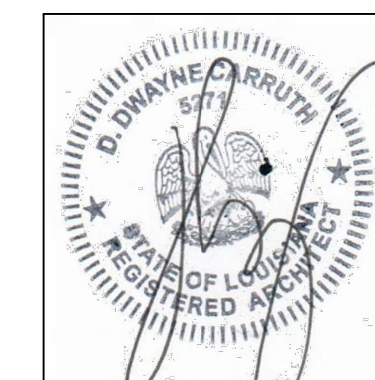
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right side elevation

scaled at 1/4" = 1'-0"



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a-2.4

### FRAMING NOTES

- ALL FRAMING SHALL BE IN ACCORDANCE WITH IRC 2021, SECTION 602, 602.3(1) AND 602.3(2).
- REFER TO FLOOR PLANS AND BUILDING SECTIONS FOR FRAMING SIZES AND LOCATIONS, INCLUDING BEAMS, WALLS, RAFTERS, ETC.
- ALL WOOD SHALL BE NO. 2 GRADE SOUTHERN YELLOW PINE.
- PROVIDE JOIST HANGERS AS REQUIRED PER FRAMING. HANGERS SHALL BE SIMPSON OR EQUAL.
- ALL COLUMNS SHALL BE ANCHORED WITH SIMPSON ABU BASE, SIZED TO FIT COLUMN, TO PREVENT LATERAL DISPLACEMENT AS PER IRC 2021 SECTION 407.3.
- ALL SILLS SHALL BE PRESSURE TREATED AND HAVE 1/2" CONTINUOUS CAULK AND FOAM STRIP SEALER UNDER ALL PLATES.
- PROVIDE ALL BLOCKING AS REQUIRED TO PROVIDE FULL NAILING SURFACE FOR GYP BOARD, SIDING, ETC.
- ALL EXPOSED MATERIALS FOR SOFFITS, PATIOS, OVERHANGS, ETC SHALL BE EXTERIOR GRADE ROT-RESISTANT COMPOSITE MATERIAL BY JAMES HARDY, OR EQUAL. ANY WOOD USED AT EXTERIOR AREAS SHOULD BE PRESSURE TREATED.
- WRAP ENTIRE BUILDING SURFACE WITH BUILDING PAPER (TYVEK OR EQUAL), INSTALL PER MANUFACTURER'S SPECS
- ATTIC ACCESS SHALL BE PROVIDED TO ALL ATTIC AREAS. ACCESS OPENINGS SHALL BE MINIMUM 22"X30" AND SHALL MAINTAIN 30" MINIMUM VERTICAL HEIGHT AT OPENING.
- ALL PENETRATIONS OF ANY WALL, FLOOR OR CEILING SHALL BE SEALED IN AN AIR-TIGHT MANNER. FLASH AND COUNTER FLASH AS REQUIRED.
- IN LOCATIONS AS NOTED ON PLANS, ENGINEERED FLOORS AND BEAM SYSTEMS SHALL BE INSTALLED IN ACCORDANCE WITH ANY ENGINEERED DRAWINGS OR SYSTEM SPECIFICATIONS.
- ALL BEAMS SHALL BE SIZED BY MANUFACTURER AND SHALL MEET LOAD AND DEFLECTION LIMITS PER IRC 2021, 602. PROVIDE FULL STUD BEARING UNDER ALL BEAM BEARING POINTS TO FOUNDATION. PROVIDE LATERAL SUPPORT VIA BLOCKING OR ANCHOR AS REQUIRED.
- GARAGE AND OTHER OVERSIZED OPENINGS SHALL BE FRAMED AS PER THE PORTAL FRAMING DETAIL ATTACHED.
- TALL WALL FRAMING SHALL BE BALLOON FRAMED AND CONSTRUCTED AS PER TALL WALL DETAIL ATTACHED.

### HURRICANE STRAPPING AND BRACES:

- EXTERIOR SILL PLATES - SIMPSON MAS @ 24" OC
- FLOOR TO FLOOR TIES - SIMPSON CS200, 18GA @ 32" OC
- TRUSS/RAFTER TIES - SIMPSON H7, 16GA @ EACH RAFTER
- SHEAR WALLS - REFER TO SHEAR WALL NOTES
- ALL NAILING PATTERNS, SPLICES, ETC SHALL BE AS PER CODE.

### ROOF FRAMING NOTES:

- EXTERIOR SILL PLATES - SIMPSON MAS @ 24" OC ALL WOOD FRAMED ROOF CONSTRUCTION SHALL COMPLY WITH IRC 2021, SECTION 802.
- ALL LUMBER SHALL BE NO. 2 GRADE SOUTHERN YELLOW PINE.
- CEILING JOIST SPANS SHALL BE AS PER PLANS BASED ON IRC 2021, 20F LIVE LOAD + 10F DEAD LOAD AND L/240 DEFLECTION ALLOWANCES.
- ALL RAFTERS SHALL BE MINIMUM 2X6, SPACED AT 24" OC UNLESS OTHERWISE NOTED (SEE TYPICAL WALL SECTIONS). ALL RIDGES, HIPs AND VALLEYS SHALL BE MINIMUM 2X8 UNLESS OTHERWISE NOTED.
- ROOF SHALL BE FULLY BRACED AS PER IRC 2021.
- PROVIDE 2X4 COLLAR BRACING AT EVERY OTHER RAFTER IN THE TOP THIRD OF THE SPAN.
- CEILING JOISTS SHALL BE FASTENED TO EVERY OTHER RAFTER PER IRC 802.3.1 AND SHALL BE SECURED TO PLATE PER IRC 802.11.
- ALL BRACING SHALL BE T-BRACING AS REQUIRED
- PROVIDE 2X6 STRONGBACK AT THE CENTER OF ALL CEILING JOISTS WITH SPANS GREATER THAN 10' IN LENGTH.
- ROOF SHEATHING SHALL COMPLY WITH SPAN CHART AS PER IRC R503.2.1.1(1)
- ROOFING MATERIAL SHALL BE 30 YEAR ARCHITECTURAL GRADE FIBERGLASS SHINGLES UNLESS OTHERWISE NOTED ON PLANS - INSTALL OVER 2 LAYERS UNDERLAYMENT AS PER IRC 2021, R905.1.1(2).

### HEADER SPAN TABLE

SINGLE STORY	TWO STORY
2X6 4'-6" MAX	2X6 3'-2" MAX
2X8 5'-9" MAX	2X8 4'-1" MAX
2X10 7'-0" MAX	2X10 4'-11" MAX
2X12 8'-1" MAX	2X12 5'-9" MAX

SPAN CALCULATIONS ARE BASED ON IRC 2021 TABLE 602.7(1) ASSUMING ALLOWABLE BEARING OF 30 PSF / 28 SPAN. CHANGES IN LENGTH MAY BE REQUIRED PENDING DIFFERING BUILDING WIDTHS. REFER TO IRC 2021 TABLE 602.7(1) FOR ADDITIONAL SIZES AND LENGTHS.

### TYPICAL INSULATION NOTES

CONTRACTOR SHALL PROVIDE INSULATION AS SPECIFIED:

WALLS	FOAM, R-19
CEILING - STANDARD	FOAM / BLOWN CELLULOSE, R-38
CEILING - VAULTED	FOAM, R-30
FLOORS (2-STORY ONLY)	FOAM, R-19

FOAM INSULATION SHALL BE OPEN CELL. FOAM INSTALLED PER MFG SPECIFICATIONS.

PROVIDE INTERIOR INSULATION AROUND ALL BATHROOMS AND BETWEEN ALL LIVING SPACES AND BEDROOM WALLS, TYPICAL

INSULATOR SHALL SEAL ALL PERIMETER WALL PLATES

INSULATOR SHALL NOT USE EXPANSIVE SEALERS AROUND WINDOWS AND DOORS AS IT AFFECTS THEIR PROPER OPERATION.

ATTIC ACCESS AT CONDITIONED AREAS SHALL BE WEATHERSTRIPPED AND MINIMUM R-10 INSULATING BLANKET.

### SHEAR WALL NOTES

SHEAR WALL CALCULATIONS BASED ON DESIGN WIND SPEED OF 130 MPH AND IRC 2021. SHEAR WALL DESIGN BASED ON WIND PRESSURE COEFFICIENTS AND LOAD COMBINATIONS AS PER ASCE 7 FOR WIND LOADS.

#### ONE-STORY PLANS:

SHEAR WALLS SHALL BE LOCATED AS PER PLANS AND BE A MINIMUM LENGTH AS NOTED ON FLOOR PLAN.

#### GYP SUM BOARD WALLS

SHEAR WALLS BE CONSTRUCTED OF 2X4 STUDS (UNLESS OTHERWISE NOTED) AT 16" OC WITH 1/2" GYP SUM BOARD AT BOTH SIDES.

GYP SUM BOARD SHALL BE NAILED TO THE WOOD STUDS SPACED AT NO MORE THAN 16" OC WITH 5D COOLER (.086 X 1-5/8", 15/64" HEAD) OR WALLBOARD NAIL (.086X1-5/8", 9/32" HEAD) OR .120" NAIL X 1-1/2", MIN 3/8" HEAD. DRYWALL SCREWS MAY NOT BE USED FOR SHEAR WALL CONSTRUCTION.

THE SPACING OF THE NAILING OF THE GYP SUM BOARD SHALL BE 4" OC INCLUDING ALL EDGES. ALL EDGES SHALL BE FULLY BLOCKED.

EACH END OF THE SHEAR WALL SHALL BE ANCHORED TO THE SLAB WITH A SIMPSON STRONG TIE HTA OR BETTER WITH A 5/8" DIA THREADED ROD WITH 6" MIN EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE 100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

THE BOTTOM PLATE OF THE WALL SHALL BE ANCHORED TO SLAB WITH 5/8" DIA THREADED ROD AT MAX 4'-0" OC WITH 6" MIN EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE 100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

#### PLYWOOD WALLS

SHEAR WALLS BE CONSTRUCTED OF 2X4 STUDS (UNLESS OTHERWISE NOTED) AT 16" OC WITH 3/8" WOOD SHEATHING AT BOTH SIDES.

PLYWOOD SHALL BE NAILED TO THE WOOD STUDS SPACED AT NO MORE THAN 16" OC WITH 6D COMMON OR GALVANIZED BOX NAILS

THE SPACING OF THE NAILING OF THE GYP SUM BOARD SHALL BE 4" OC INCLUDING ALL EDGES. ALL EDGES SHALL BE FULLY BLOCKED. JOINTS SHALL BE OFFSET AND NOT ALIGNED ON THE SAME STUD.

EACH END OF THE SHEAR WALL SHALL BE ANCHORED TO THE SLAB WITH A SIMPSON STRONG TIE HDU14-SDS2.5, AN HD12 OR BETTER WITH A 1" DIA THREADED ROD SET WITH A 9" EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

THE BOTTOM PLATE OF THE WALL SHALL BE ANCHORED TO SLAB WITH 5/8" DIA THREADED ROD AT MAX 2'-0" OC WITH 6" MIN EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE 100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

#### TWO-STORY PLANS:

SHEAR WALLS SHALL BE LOCATED AS PER PLANS AND BE A MINIMUM LENGTH AS NOTED ON FLOOR PLAN. FOR 1-STORY WALLS WITH NO SECOND FLOOR ABOVE REFER TO ONE-STORY NOTES.

#### GYP SUM BOARD WALLS

GYP SUM BOARD SHALL BE NAILED TO THE WOOD STUDS SPACED AT NO MORE THAN 16" OC WITH 5D COOLER (.086 X 1-5/8", 15/64" HEAD) OR WALLBOARD NAIL (.086X1-5/8", 9/32" HEAD) OR .120" NAIL X 1-1/2", MIN 3/8" HEAD. DRYWALL SCREWS MAY NOT BE USED FOR SHEAR WALL CONSTRUCTION.

THE SPACING OF THE NAILING OF THE GYP SUM BOARD SHALL BE 4" OC INCLUDING ALL EDGES. ALL EDGES SHALL BE FULLY BLOCKED.

EACH END OF THE SHEAR WALL SHALL BE ANCHORED DOWN THROUGH THE 2ND FLOOR TO AN IN-LINE SHEAR WALL ON THE 1ST FLOOR WITH A SET OF SIMPSON STRONG TIE HTA OR BETTER (ONE ON DOUBLE STUDS ON THE 2ND FLOOR AND THE OTHER ON DOUBLE STUDS ON THE 1ST FLOOR) WITH A 5/8" DIA THREADED ROD SET BETWEEN THE TWO HTAs. THE MATCHING TENSION STUDS ON THE 1ST FLOOR MUST BE ANCHORED TO THE SLAB AS PER BELOW.

THE BOTTOM PLATE SHALL BE NAILED TO A SOLID JOIST OR BLOCKING BETWEEN THE FLOORS WITH 16D COMMON NAILS AT 16" OC MAX.

EACH END OF THE SHEAR WALL (AT 1ST FLOOR) SHALL BE ANCHORED TO THE SLAB WITH A SIMPSON STRONG TIE HTA OR BETTER WITH A 5/8" DIA THREADED ROD WITH 6" MIN EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE 100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

THE BOTTOM PLATE OF THE WALL SHALL BE ANCHORED TO SLAB WITH 5/8" DIA THREADED ROD AT MAX 4'-0" OC WITH 6" MIN EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE 100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

#### PLYWOOD WALLS

SHEAR WALLS BE CONSTRUCTED OF 2X4 STUDS (UNLESS OTHERWISE NOTED) AT 16" OC WITH 3/8" WOOD SHEATHING AT BOTH SIDES.

PLYWOOD SHALL BE NAILED TO THE WOOD STUDS SPACED AT NO MORE THAN 16" OC WITH 6D COMMON OR GALVANIZED BOX NAILS

THE SPACING OF THE NAILING OF THE GYP SUM BOARD SHALL BE 4" OC INCLUDING ALL EDGES. ALL EDGES SHALL BE FULLY BLOCKED. JOINTS SHALL BE OFFSET AND NOT ALIGNED ON THE SAME STUD.

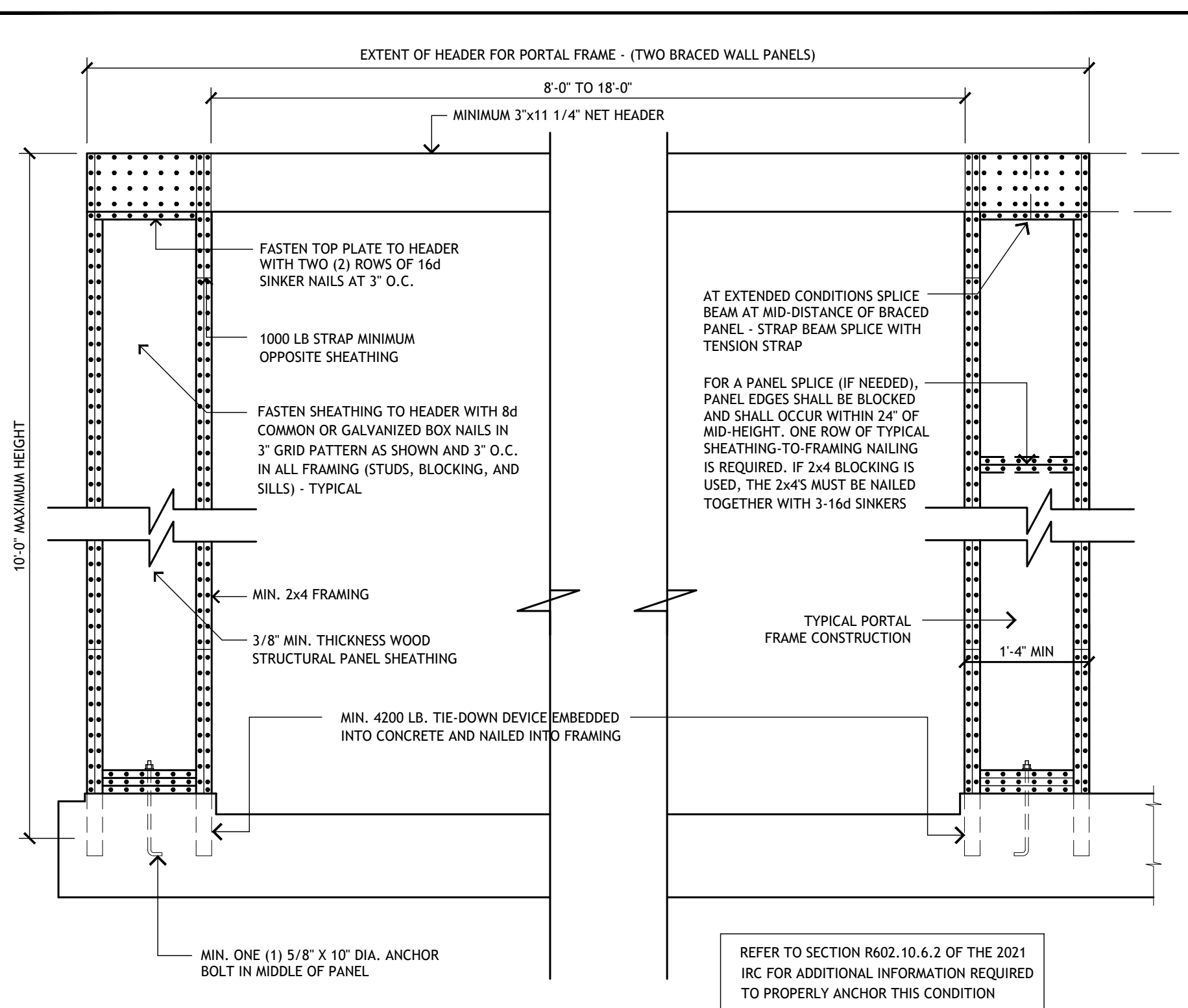
EACH END OF THE SHEAR WALL SHALL BE ANCHORED DOWN THROUGH THE 2ND FLOOR TO AN IN-LINE SHEAR WALL ON THE 1ST FLOOR WITH A SET OF SIMPSON STRONG TIE HTA OR BETTER (ONE ON DOUBLE STUDS ON THE 2ND FLOOR AND THE OTHER ON DOUBLE STUDS ON THE 1ST FLOOR) WITH A 5/8" DIA THREADED ROD SET BETWEEN THE TWO HTAs. THE MATCHING TENSION STUDS ON THE 1ST FLOOR MUST BE ANCHORED TO THE SLAB AS PER BELOW.

EACH END OF THE SHEAR WALL SHALL BE ANCHORED TO THE SLAB WITH A SIMPSON STRONG TIE HDU14-SDS2.5 WITH FOUR STUDS, AN HD12 WITH A 6X6 OR BETTER WITH A 1" DIA THREADED ROD SET WITH A 9" EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

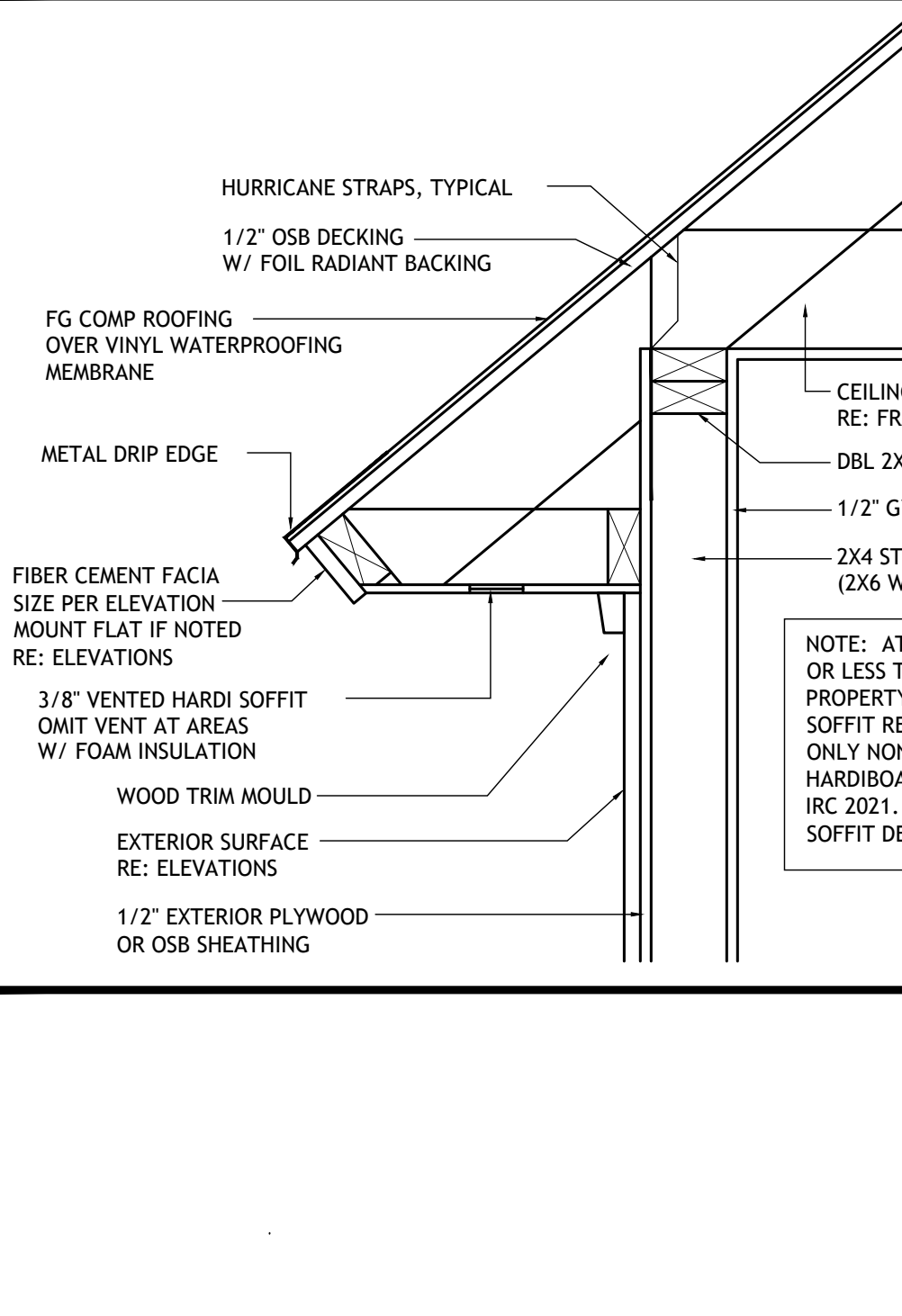
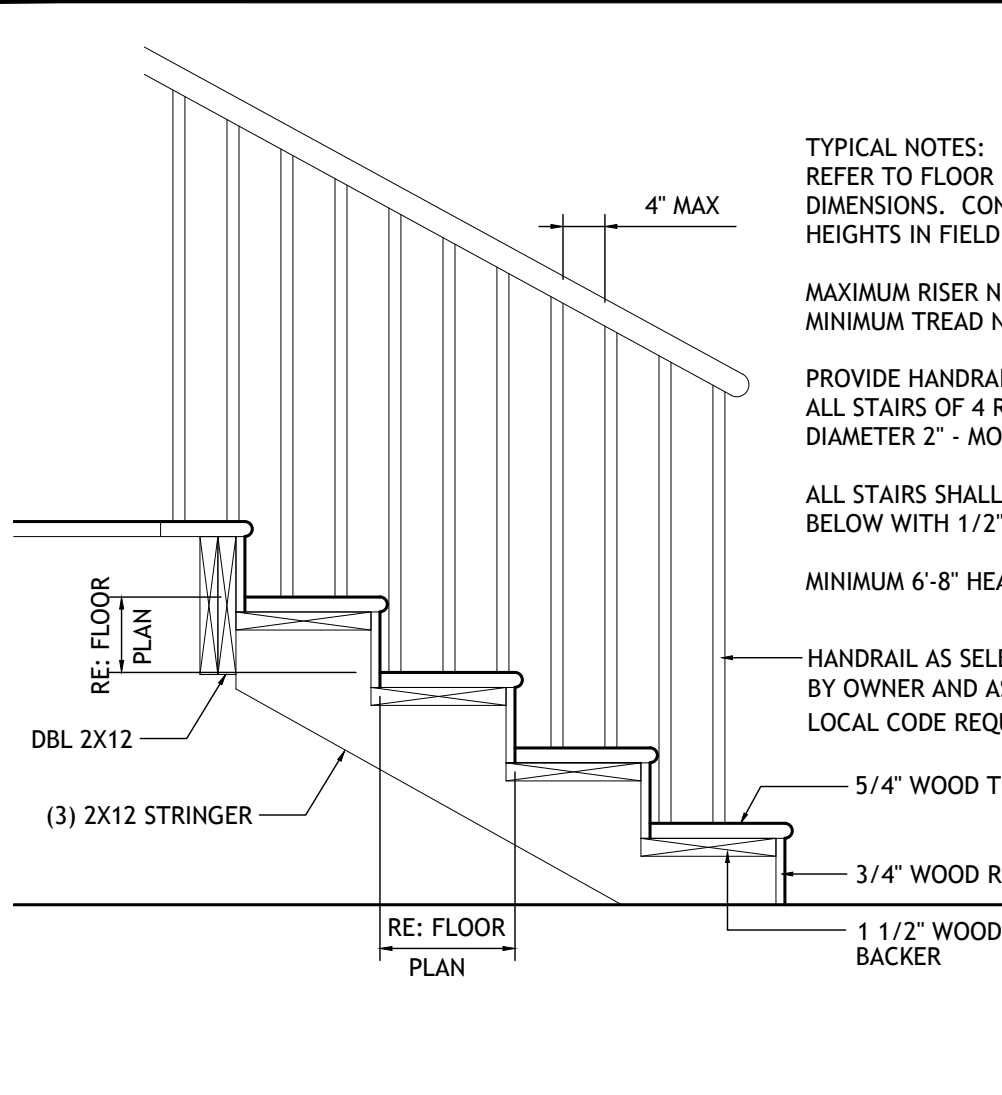
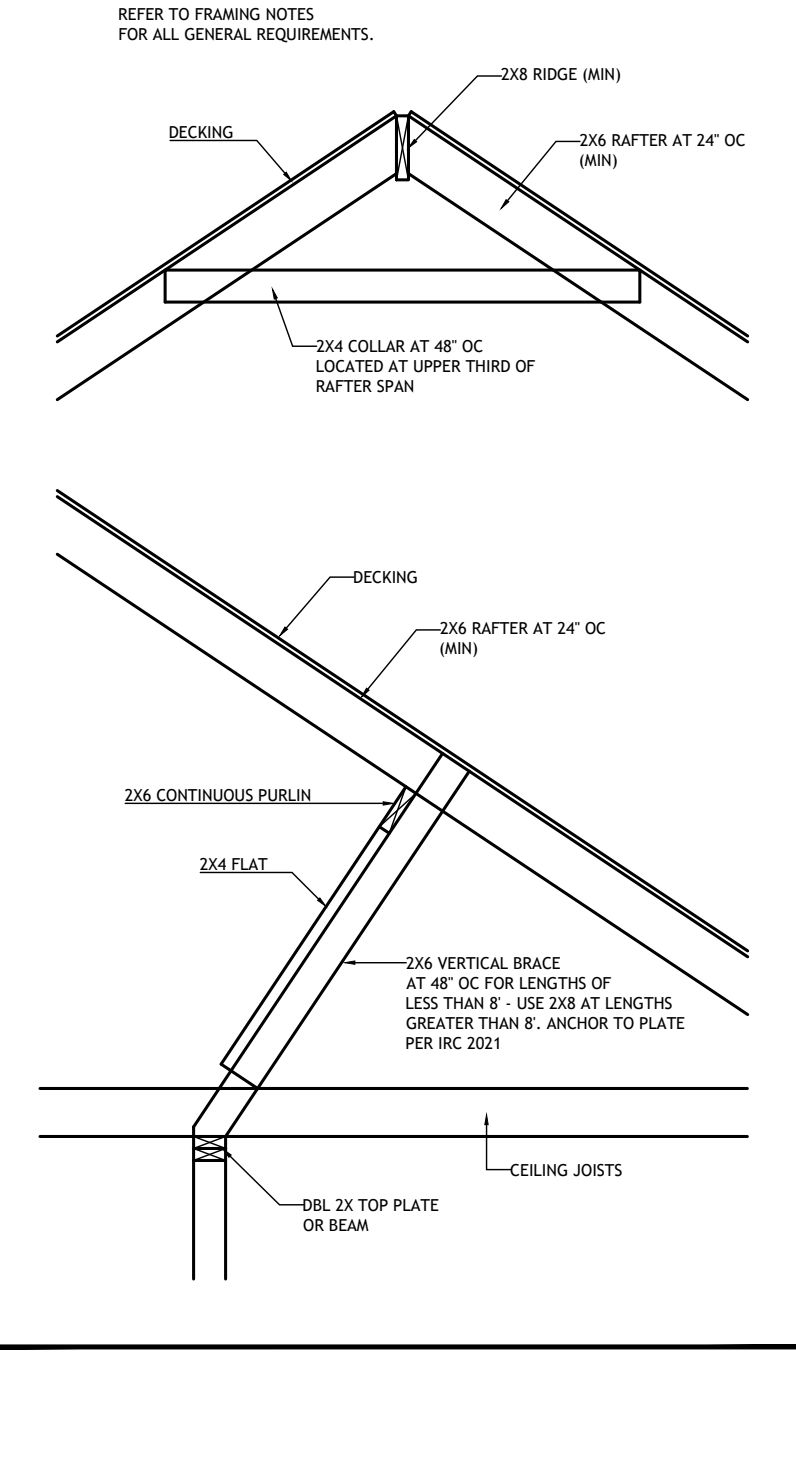
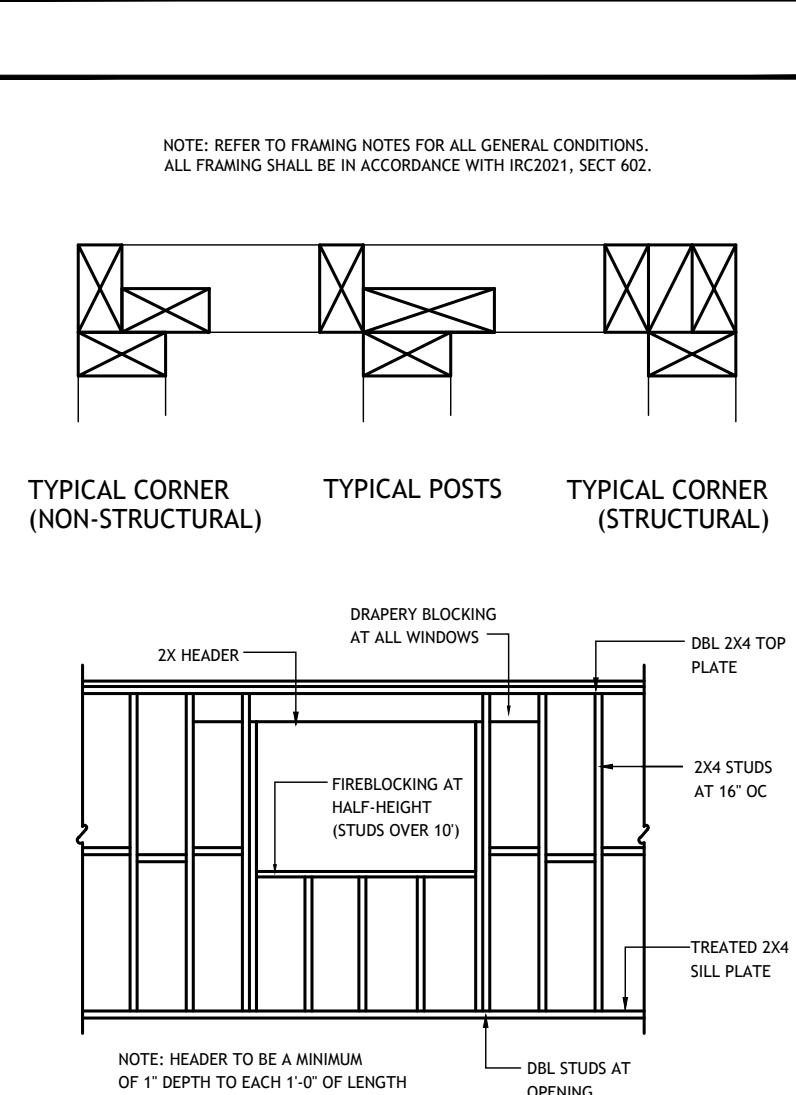
THE BOTTOM PLATE OF THE WALL SHALL BE ANCHORED TO SLAB WITH 5/8" DIA THREADED ROD AT MAX 2'-0" OC WITH 6" MIN EMBEDMENT AND EPOXIED INTO THE CONCRETE WITH EITHER HILTI HIT-RE 100 EPOXY OR SIMPSON STRONG TIE SET-XP EPOXY.

### TERMITE PROTECTION

ALL SLABS SHALL BE TERMITE TREATED AND PROTECTED AS PER IRC 2021 R320. CONTRACTOR SHALL PROVIDE A 12 MONTH CERTIFICATION TO OWNER AT COMPLETION.

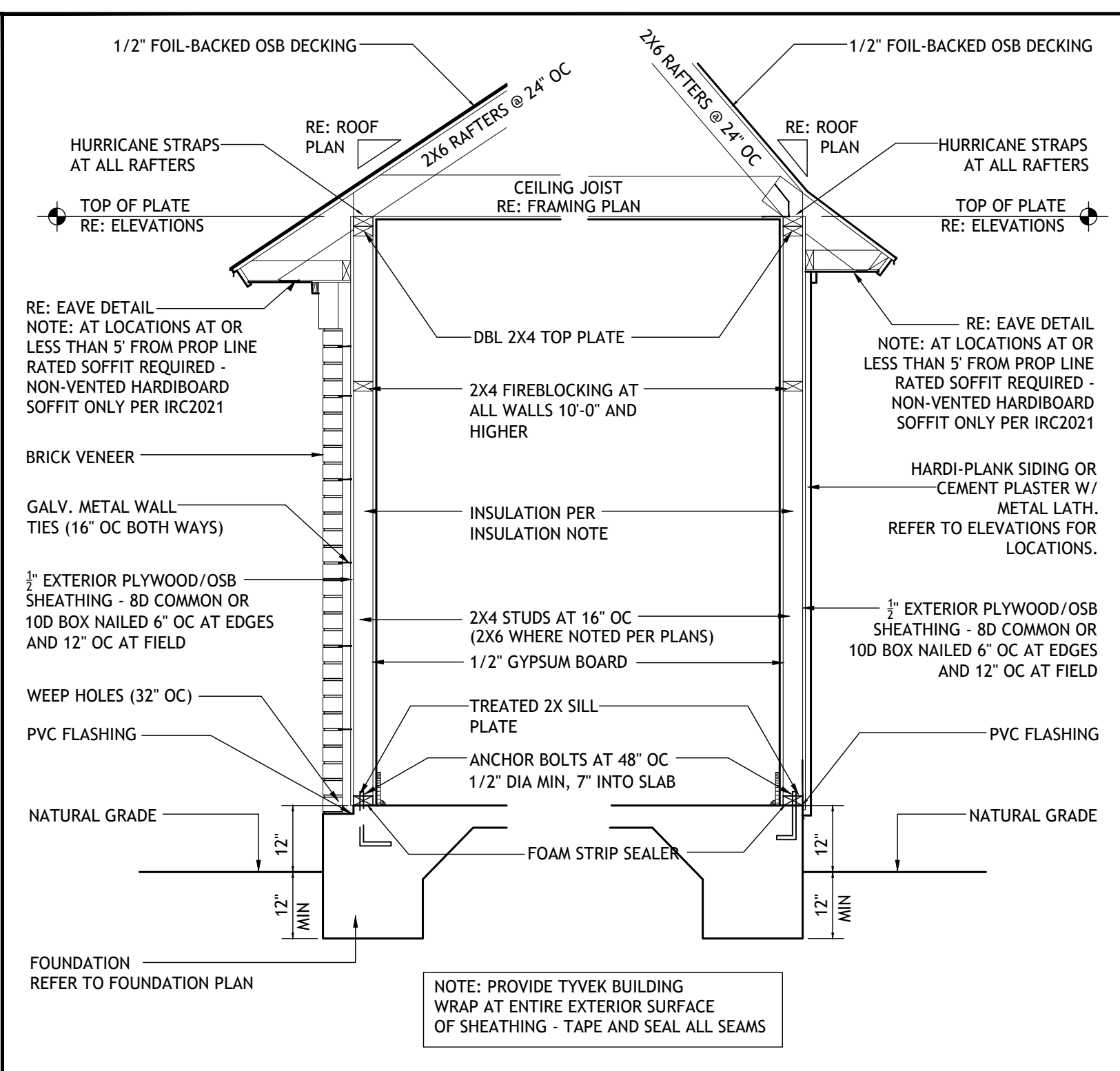


**PORTAL FRAMING DETAIL**  
NOT TO BE SCALED

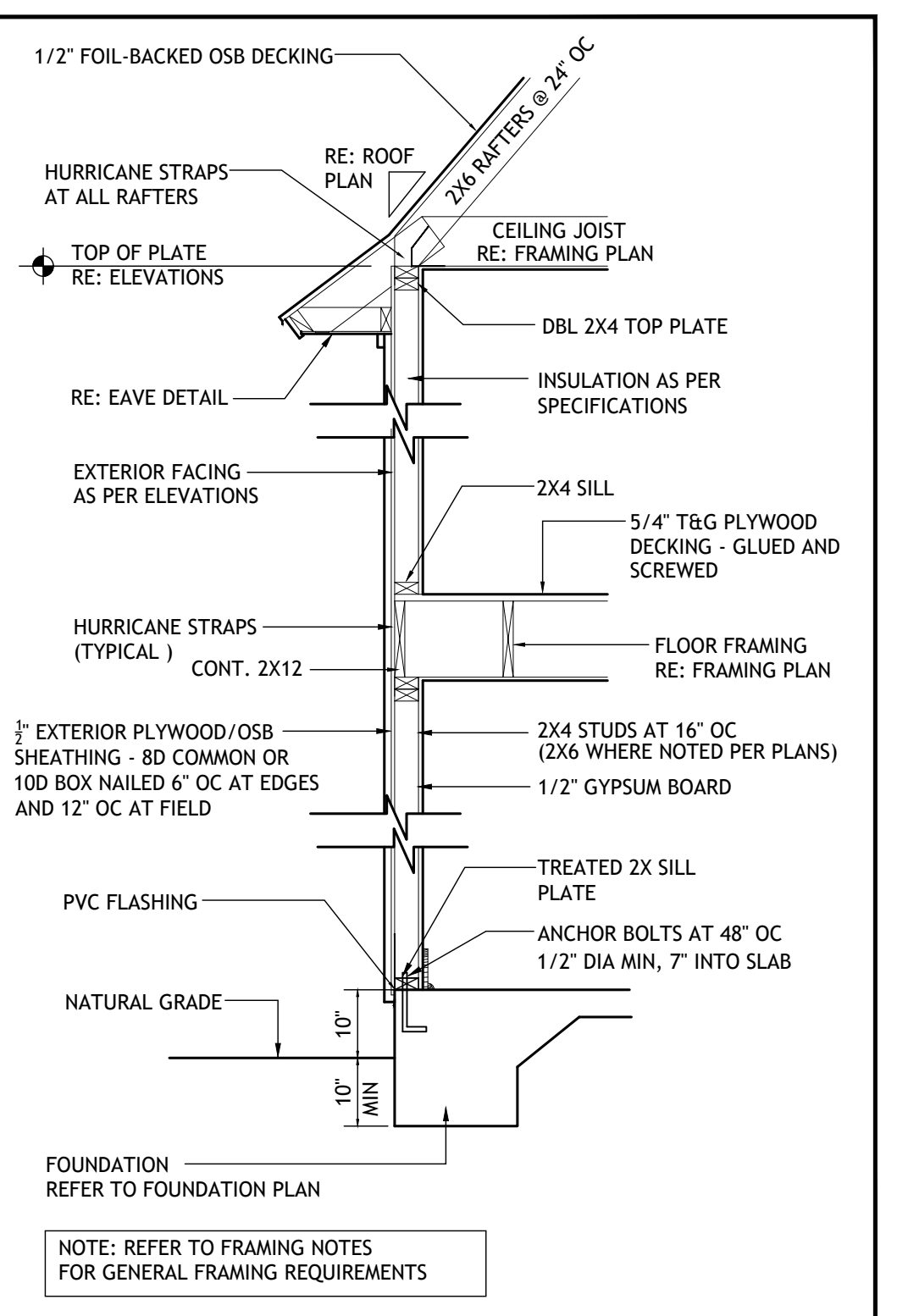


**TYPICAL STAIR DETAIL**  
SCALED AT 3/4" = 1'-0"

**TYPICAL EAVE DETAIL**  
SCALED AT 1-1/2" = 1'-0"

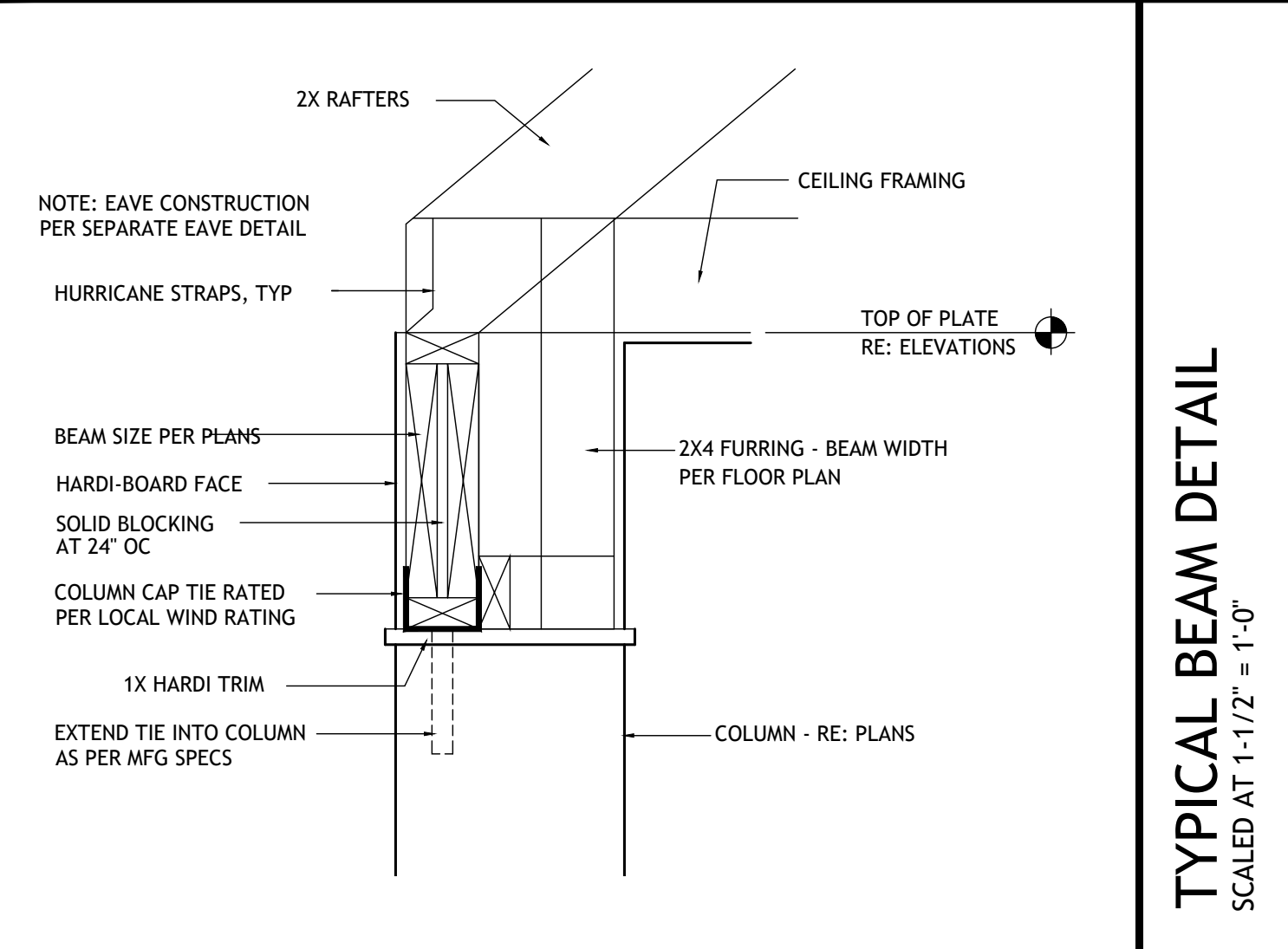


**TYPICAL WALL SECTION - ONE STORY WALLS**  
SCALED AT 1/2" = 1'-0"

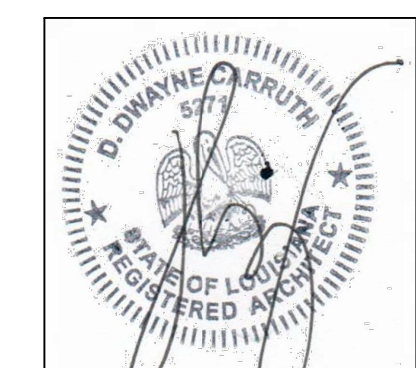


**TYPICAL WALL SECTION - TWO STORY WALLS**  
SCALED AT 1/2" = 1'-0"

**TYPICAL STAIR DETAIL**  
SCALED AT 3/4" = 1'-0"



**TYPICAL BEAM DETAIL**  
SCALED AT 1-1/2" = 1'-0"



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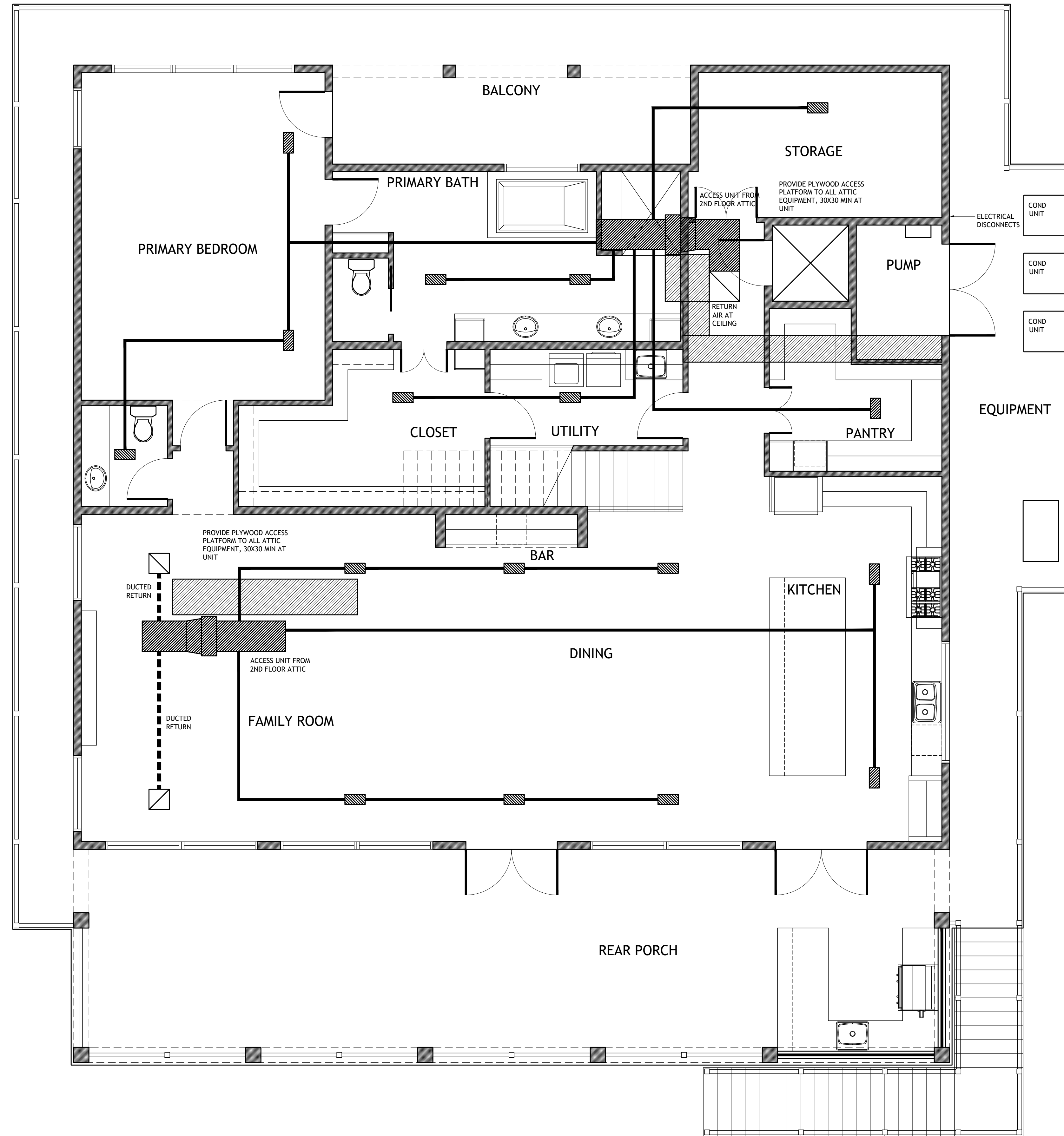
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**HVAC NOTES:**

**ALL UNITS**

HEATING: GAS FIRED, HORIZONTAL FLOW, ATTIC INSTALLATION  
SIZED PER MANUFACTURER'S RECOMMENDATION

**GENERAL HVAC NOTES:**

1. RETURN AIR: CEILING MOUNT, WHITE; UNIT A = 20 X 30
2. COIL DRAINS CONNECTED TO PLUMBING WITH 1 1/2" P-TRAP
3. DUCTS: 26 GA. GALVANIZED SHEETMETAL WITH 2" INSULATION WRAP OR FOIL-WRAPPED INSULATED FLEX DUCT
4. REGISTERS: 8X16, THREE-WAY DIFFUSER, W/ SHUT OFF, WHITE
5. VOLUME CONTROL DAMPERS INSTALLED AT EACH BRANCH CONNECTION.
6. INSTALL DRAIN PAN WITH FLOAT SWITCH UNDER EVAPORATOR COIL.
7. COPPER REFRIGERANT LINES WITH ARMAFLEX INSULATION.
8. MANUFACTURER SHALL VERIFY LOCATIONS OF ALL REGISTERS, DUCT ROUTING AND SIZING TO COMPLY WITH MFG RECOMMENDATIONS
9. INSTALLER SHALL BALANCE ENTIRE SYSTEM AFTER POWER AT RESIDENCE HAS BEEN PROVIDED AND PRIOR TO OWNER OCCUPANCY.
10. INSTALL PLYWOOD ACCESS WALKWAY AND SERVICE PLATFORM. PLATFORM SHALL BE A MINIMUM OF 30X30 AT THE UNIT.

**GENERAL MECHANICAL NOTES:**

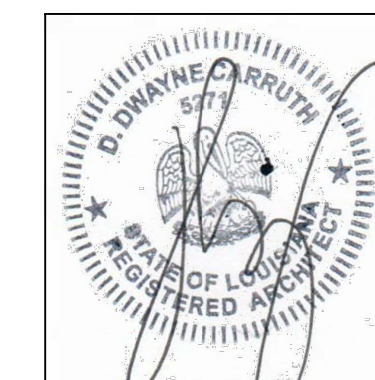
1. ALL VENTS, STACKS, AND ROOF JACKS SHALL BE LOCATED ON REAR ROOF SURFACE, AND PAINTED TO MATCH ROOF COLOR.
2. ALL VENTED KITCHEN HOODS SHALL VENT DIRECTLY TO THE EXTERIOR SHALL BE 6" HARD METAL PIPE AND CFM OF 250 LENGTH NOT TO EXCEED 25' AS PER IRC 2021
3. ALL TOILET ROOMS SHALL BE EQUIPPED WITH MECHANICAL VENTILATION AND VENTED DIRECT TO EXTERIOR
4. DRYER VENTS SHALL VENT DIRECT TO THE EXTERIOR AND MADE OF 4" HARD METAL PIPE AND LENGTH NOT TO EXCEED 12" REQUIREMENTS AS PER IRC 2021
5. ALL EXHAUST FANS SHALL BE MIN 50 CFM, W/ 4" FLEX PIPE LENGTH NOT TO EXCEED 56' AS PER IRC 2021

**WATER HEATER NOTE:**

1. PROVIDE GAS TANKLESS WATER HEATERS AS REQUIRED FOR THE CAPACITY OF THE HOUSE. UNITS SHALL BE FIELD LOCATED AND BE READILY ACCESSIBLE AND VENTED AS REQUIRED PER IRC 2021

**hvac plan - level 1**

scaled at 1/4" = 1'-0"



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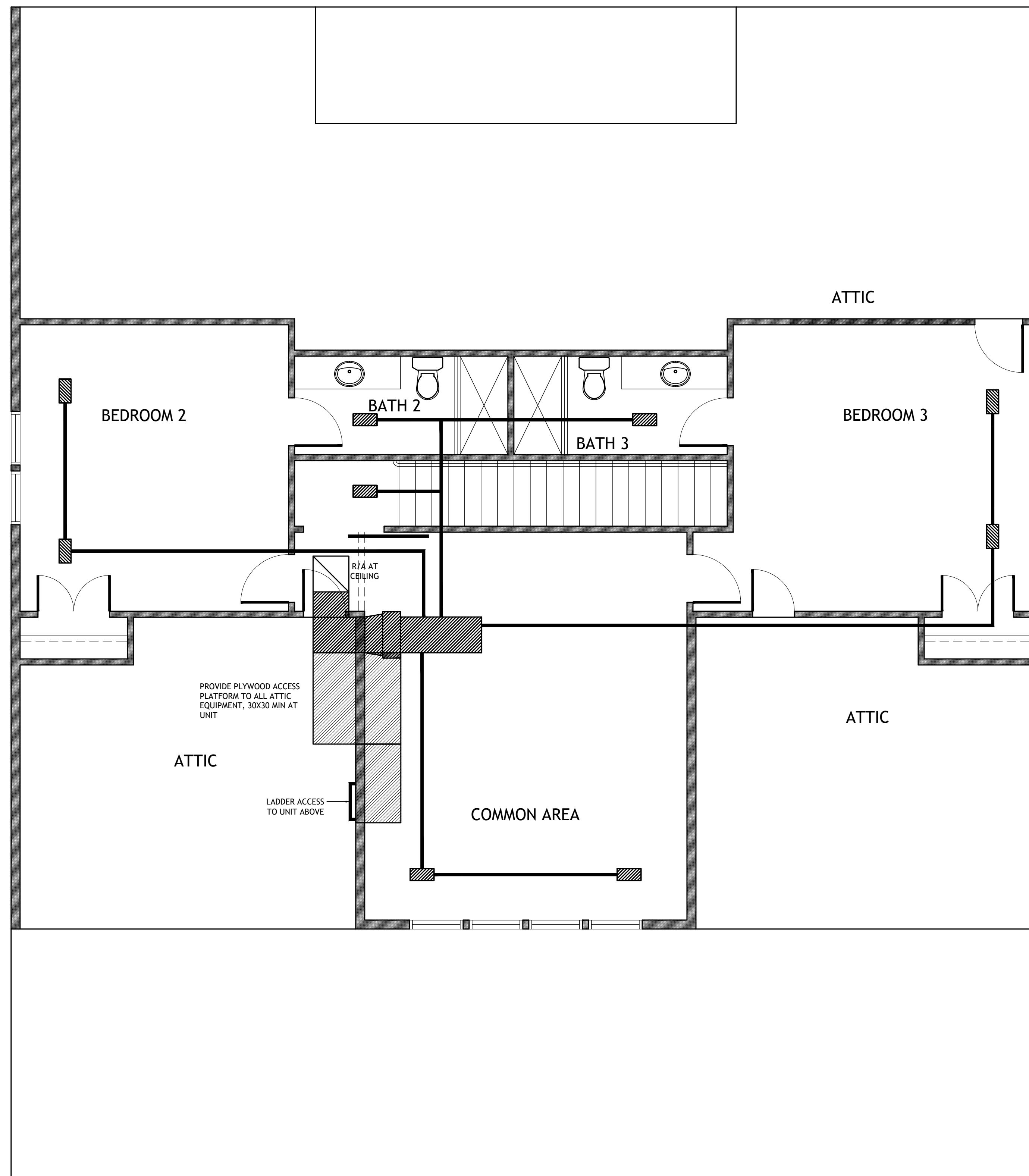
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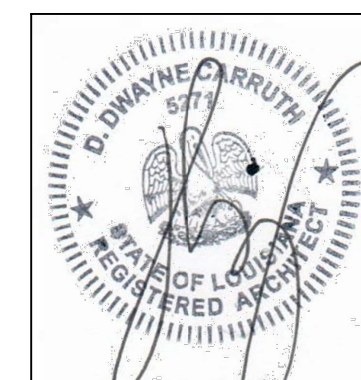
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hvac plan - level 2

scaled at 1/4" = 1'-0"



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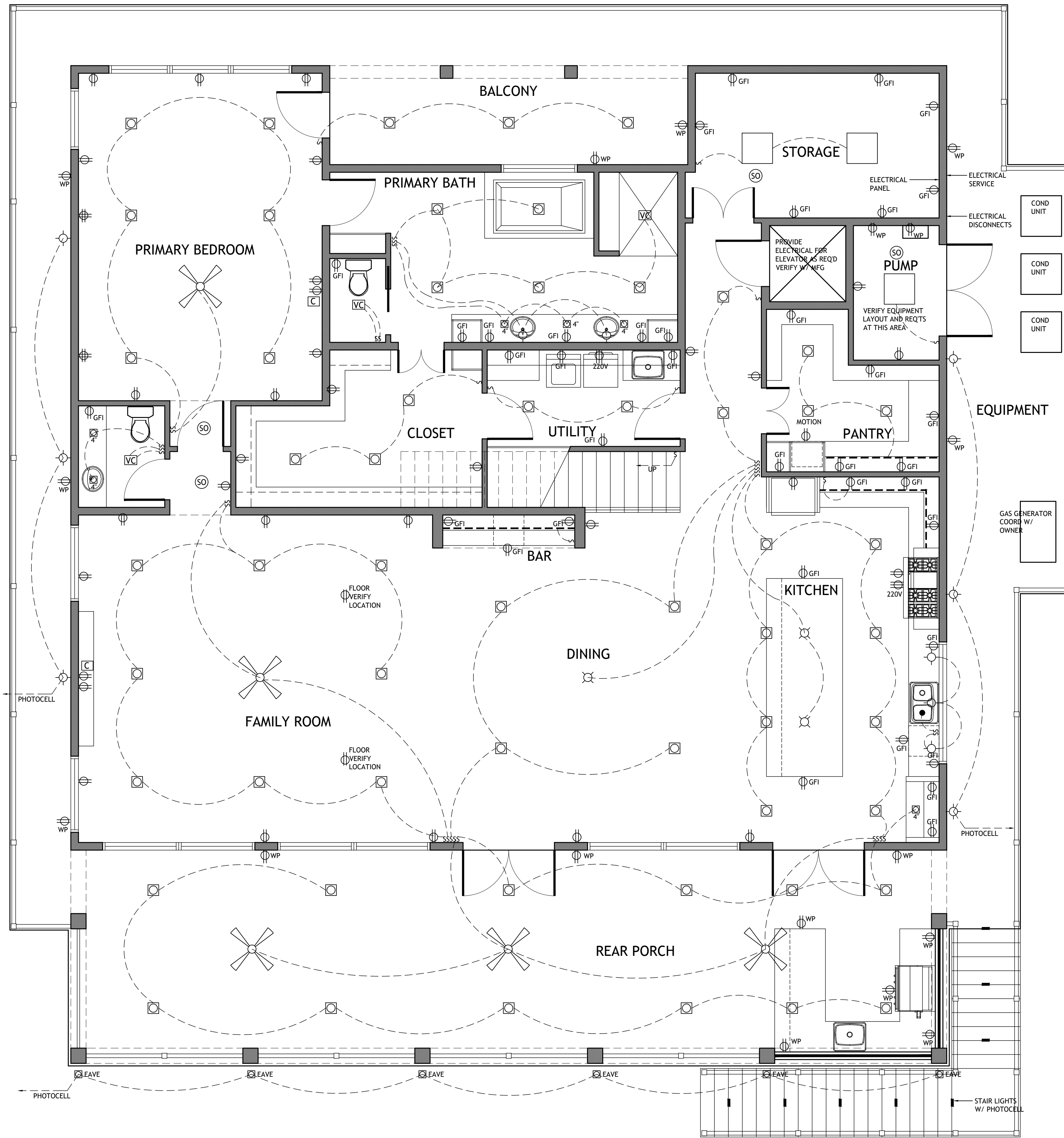
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ELECTRICAL LEGEND	
	CEILING FAN
	RECESSED LED
	RECESSED LED 4" CAN
	LED EAVE LIGHTING
	CEILING MOUNT INCANDESCENT
	WALL MOUNT INCANDESCENT
	SWITCH
	SWITCH, DIMMABLE
	1X4, 2 BULB FLUORESCENT
	OUTLET
	OUTLET, 220V
	OUTLET, GFI GROUNDED, EXTERIOR
	CABLE OUTLET
	TELEPHONE
	VENT / RECESSED CAN LIGHT COMBO
	VENT
	SMOKE DETECTOR/CO DETECTOR
	ALARM KEYPAD, BY OTHERS
	DOOR BELL
	EXTERIOR FLOOD LIGHT

**ELECTRICAL NOTES**

SERVICE: 120/240 V, 1 PH., 3 W

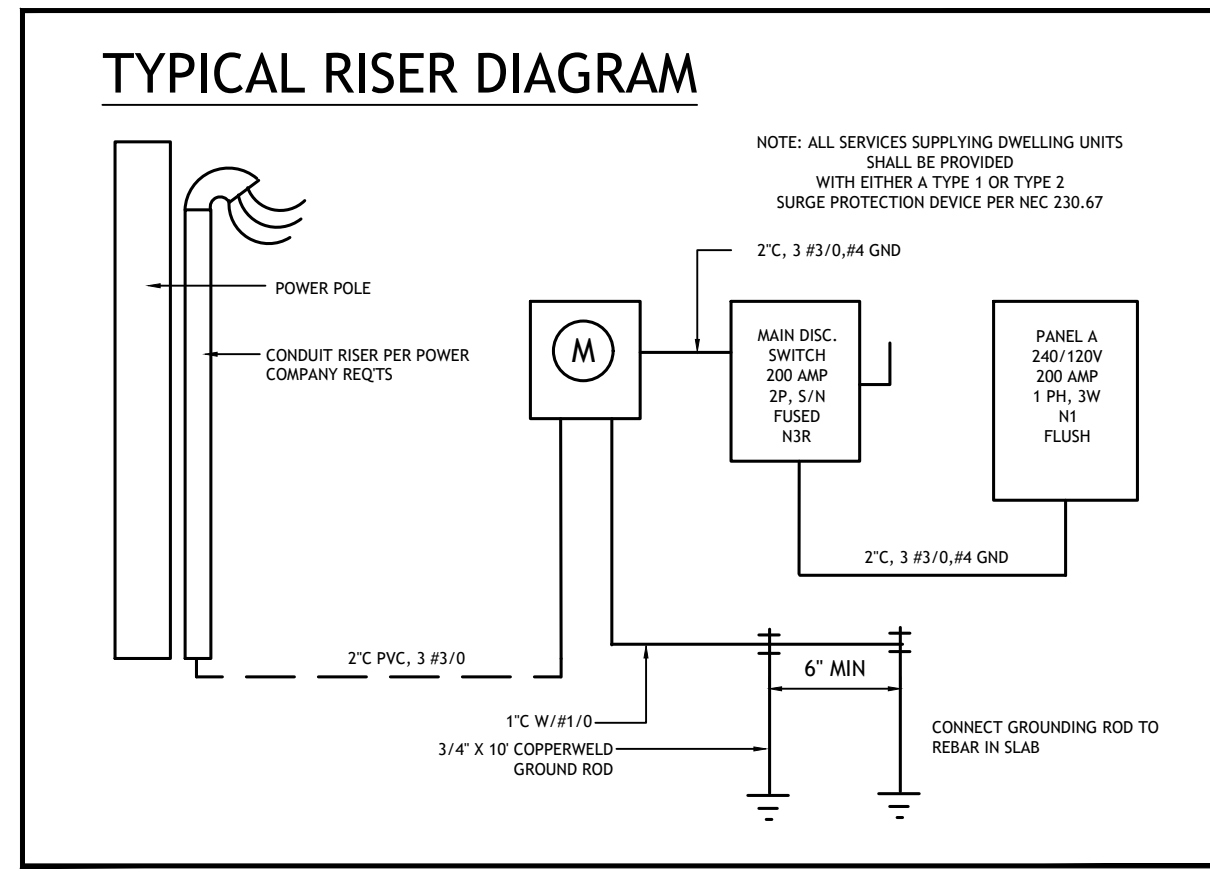
MAIN: 200 AMP  
ELECTRICAL CONTR. TO VERIFY

PANEL: FLUSH MOUNT, 30 CIRCUITS

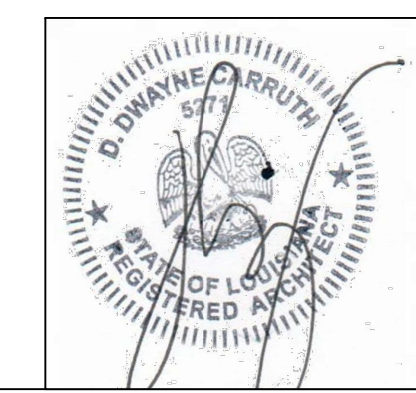
CIRCUITRY SHALL BE AS SHOWN, AND VERIFIED BY ELECTRICAL CONTRACTOR. PANEL AND SERVICE LOCATIONS SHALL BE AS PER PLANS. SERVICE LOCATION SHALL BE AS PER UTILITY GUIDELINES

NOTE: ALL SWITCHES SHALL BE LOCATED WITHIN 6" OF DOOR FRAME OR CORNER OF WALL

NOTE: SMOKE DETECTORS SHALL BE INTERCONNECTED WITH BATTERY AND CARBON MONOXIDE DETECTION AS PER IRC 2021



electrical plan - level 1  
scaled at 1/4" = 1'-0"



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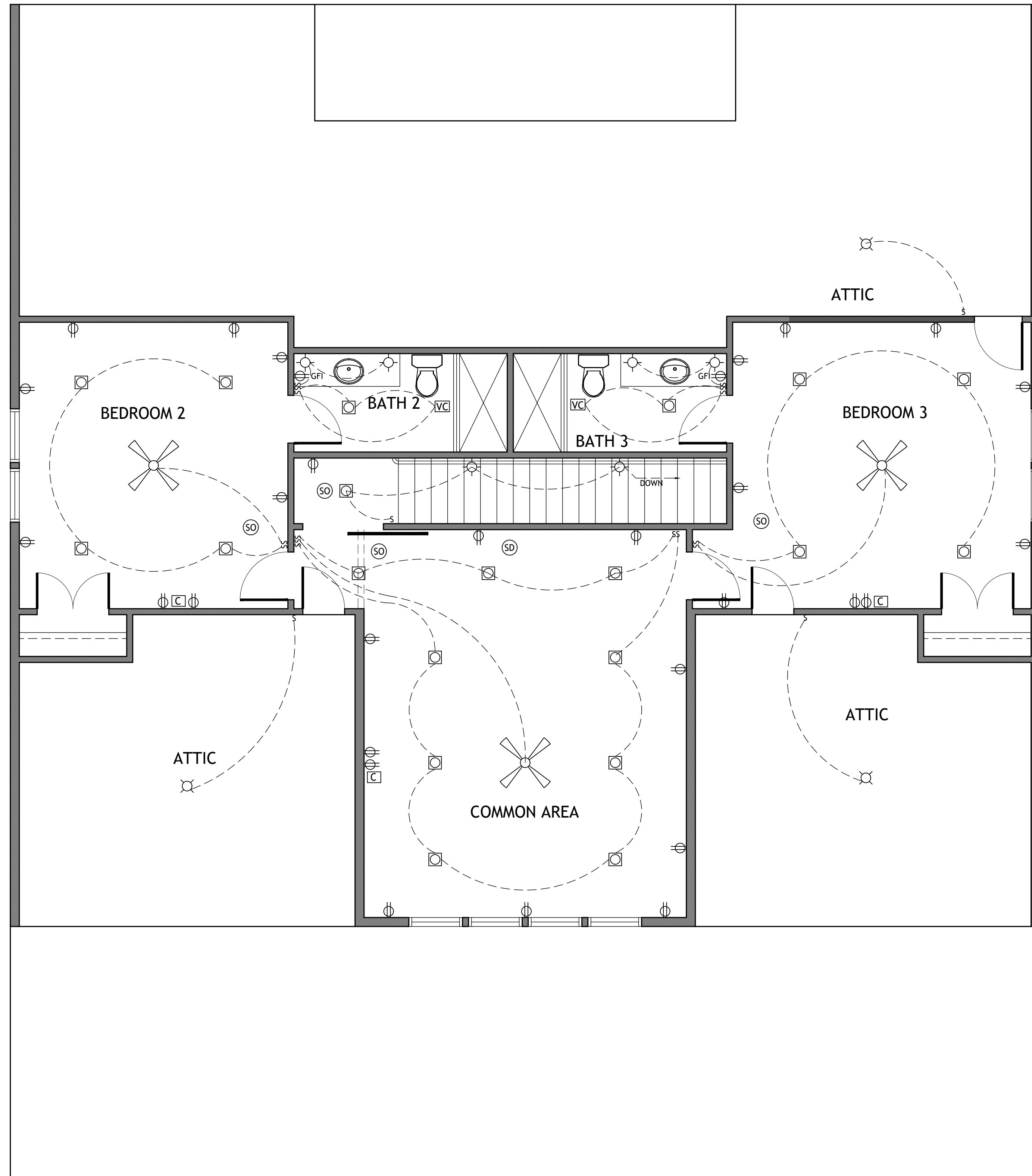
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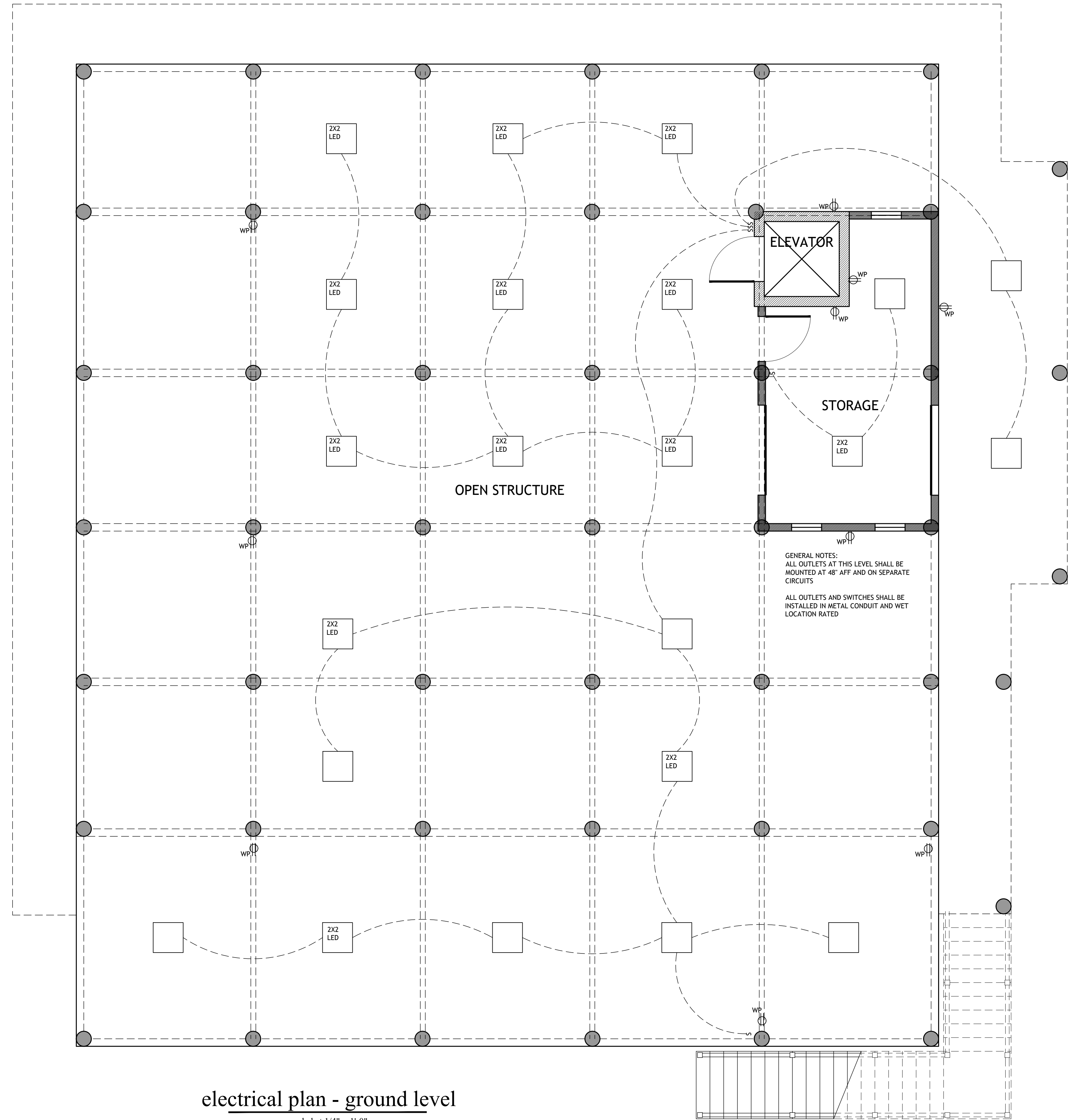
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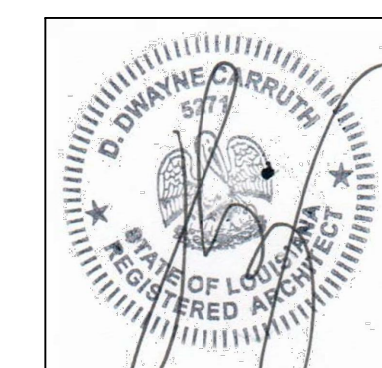


electrical plan - level 2  
scaled at 1/4" = 1'-0"



electrical plan - ground level  
scaled at 1/4" = 1'-0"

GENERAL NOTES:  
ALL OUTLETS AT THIS LEVEL SHALL BE MOUNTED AT 48" AFF AND ON SEPARATE CIRCUITS  
ALL OUTLETS AND SWITCHES SHALL BE INSTALLED IN METAL CONDUIT AND WET LOCATION RATED



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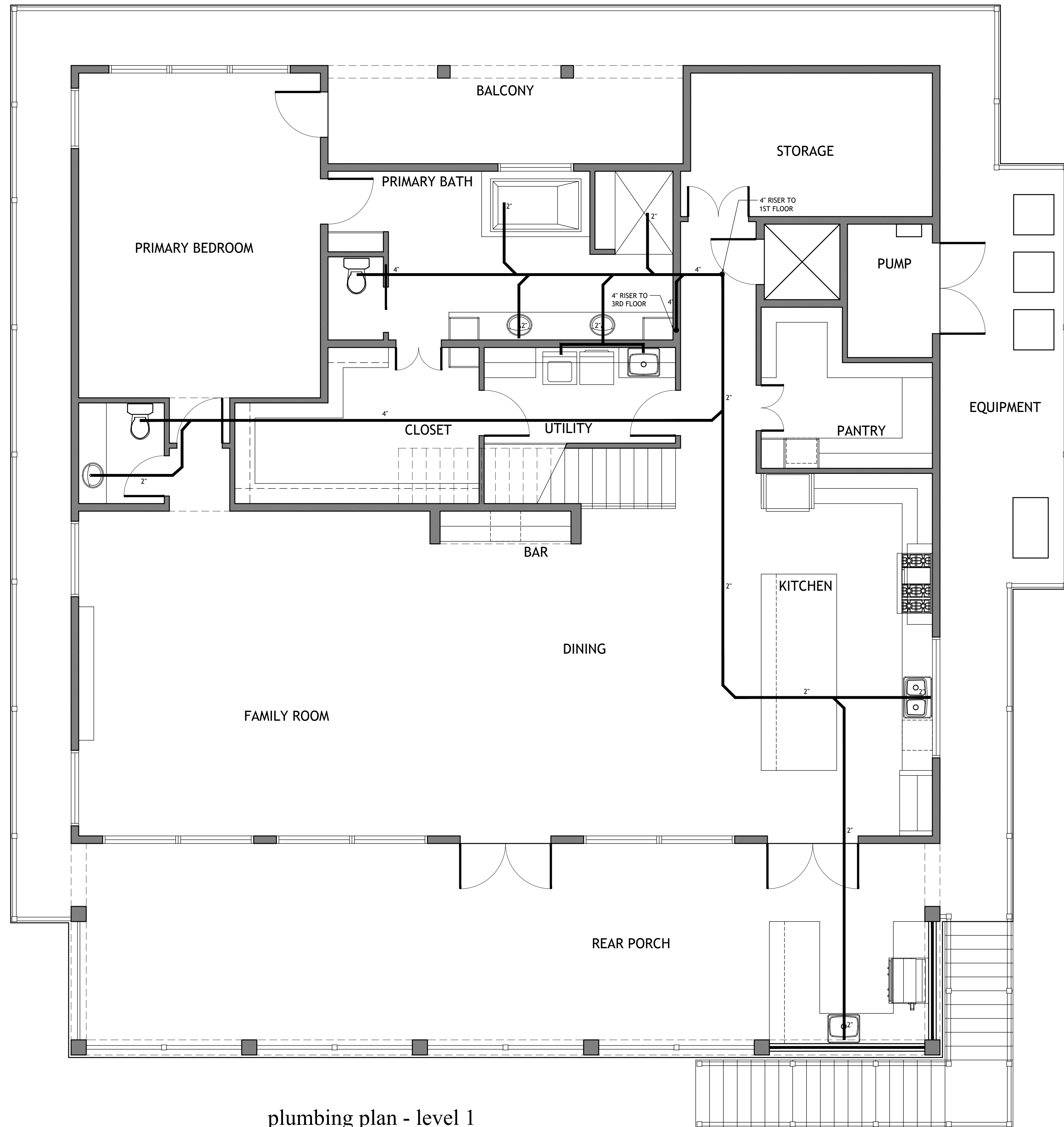
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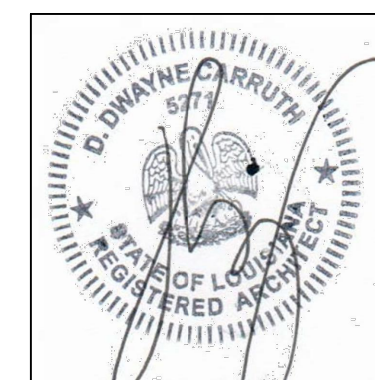
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**plumbing plan - level 1**

scaled at 1/4" = 1'-0"



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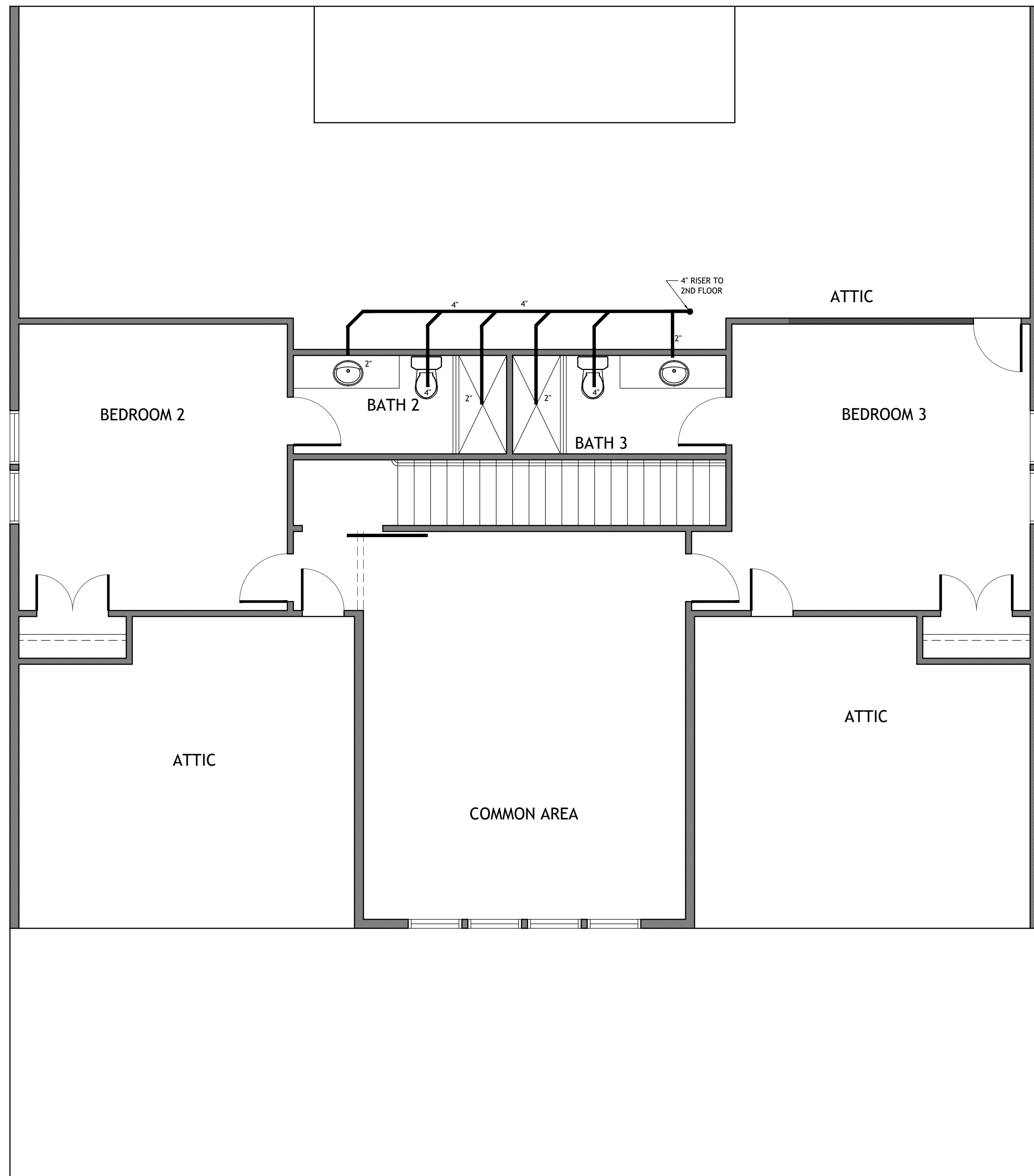
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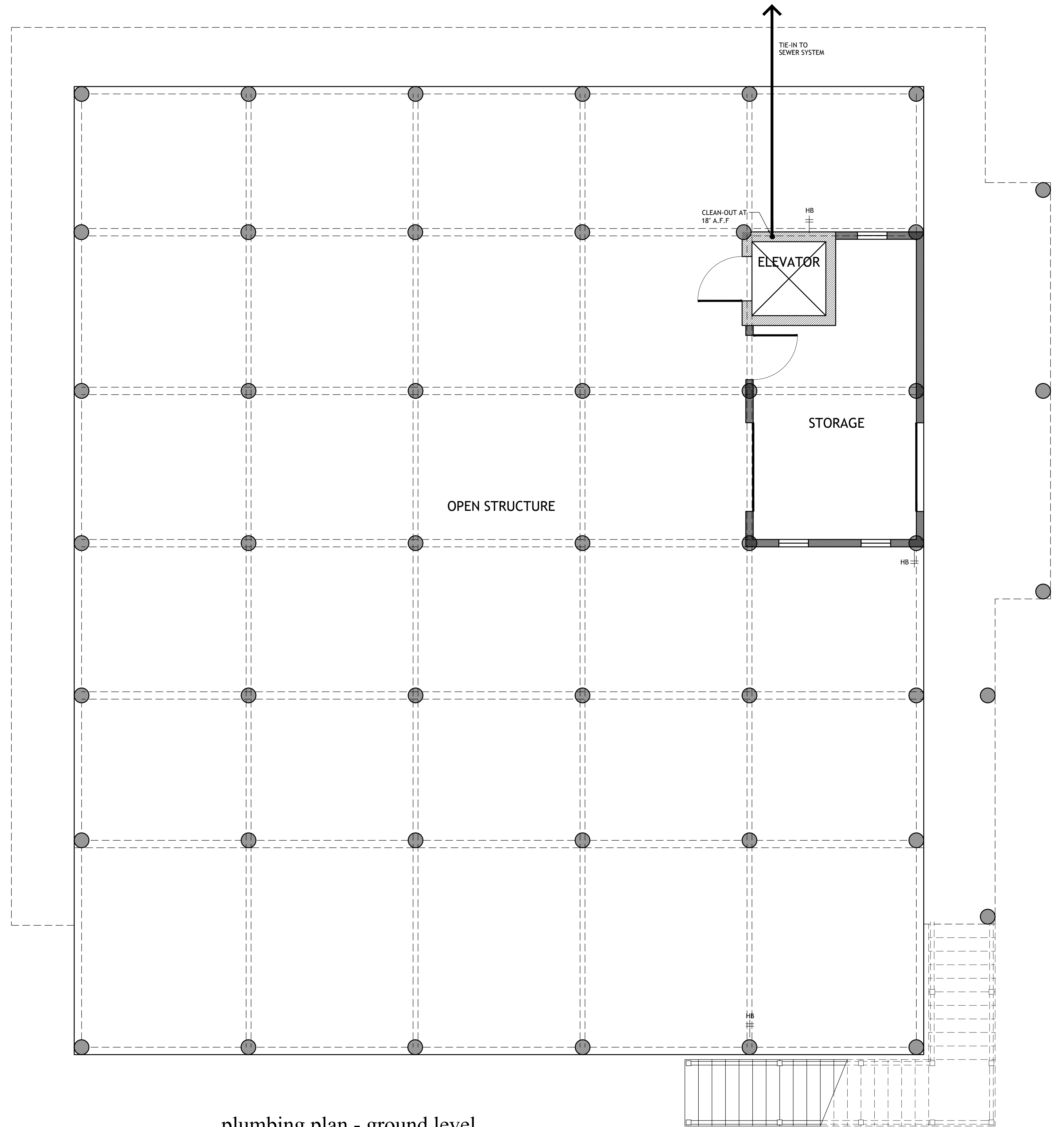
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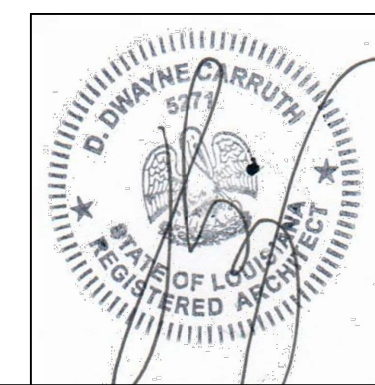
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plumbing plan - level 2  
scaled at 1/4" = 1'-0"



plumbing plan - ground level  
scaled at 1/4" = 1'-0"



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