

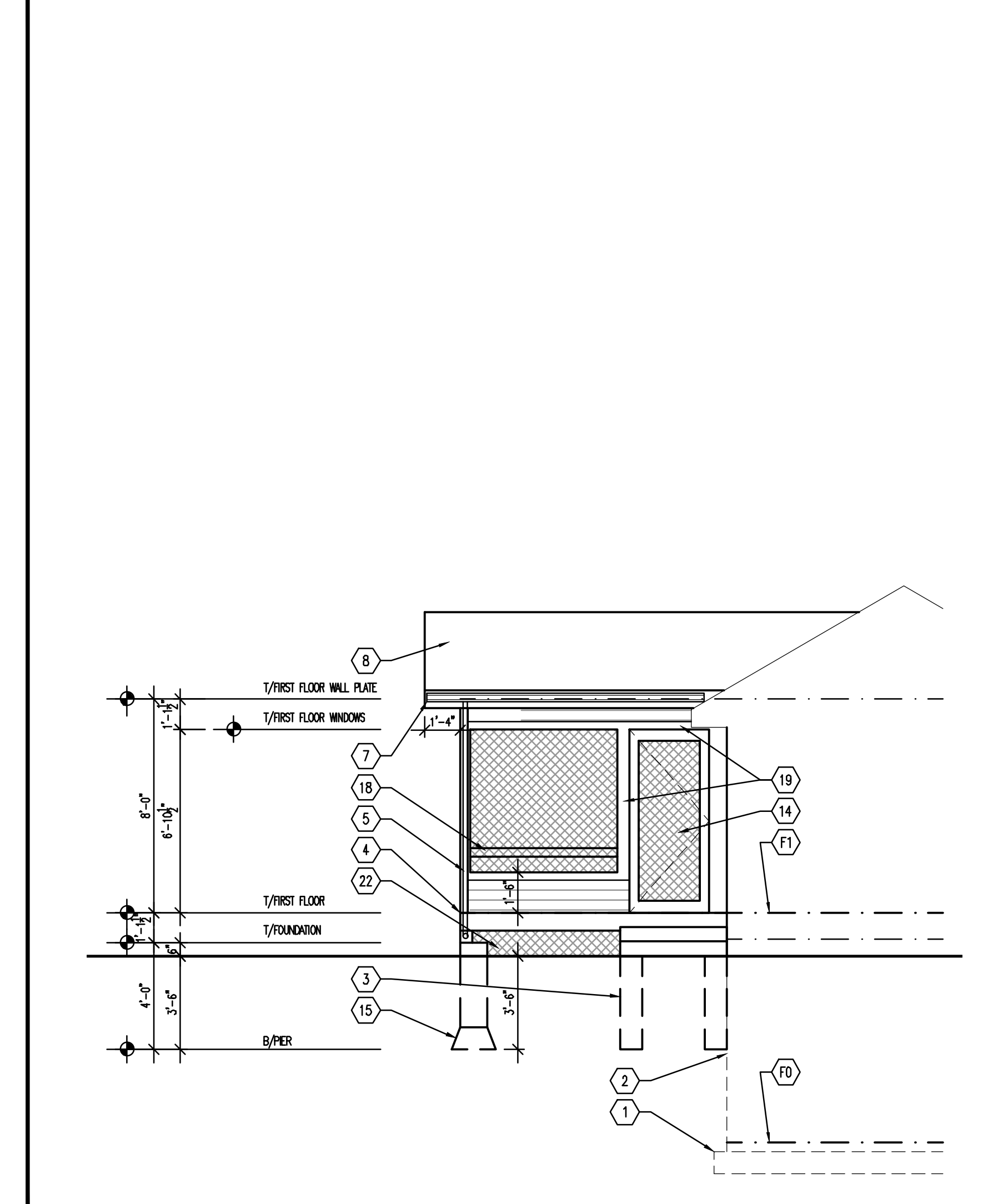
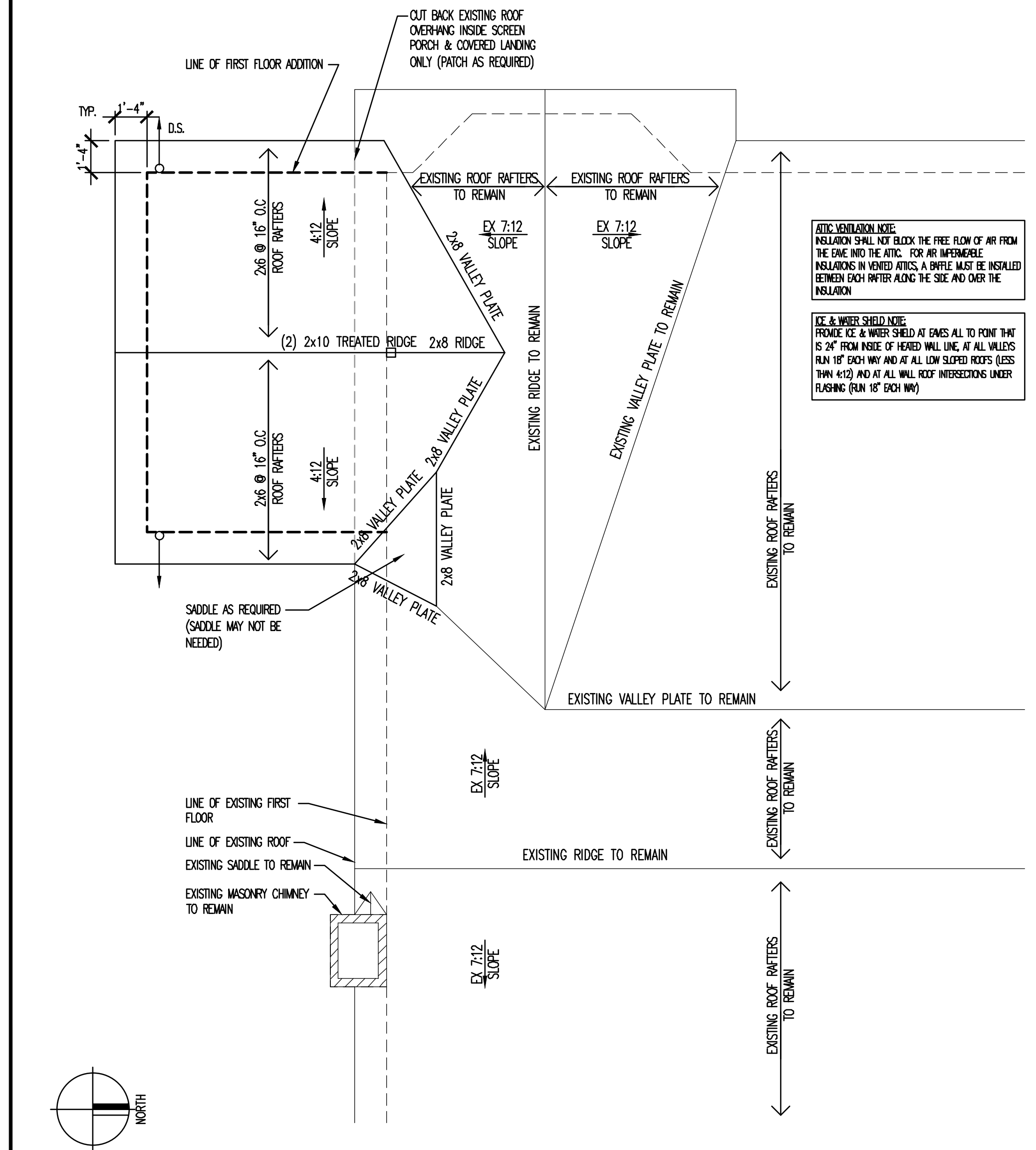
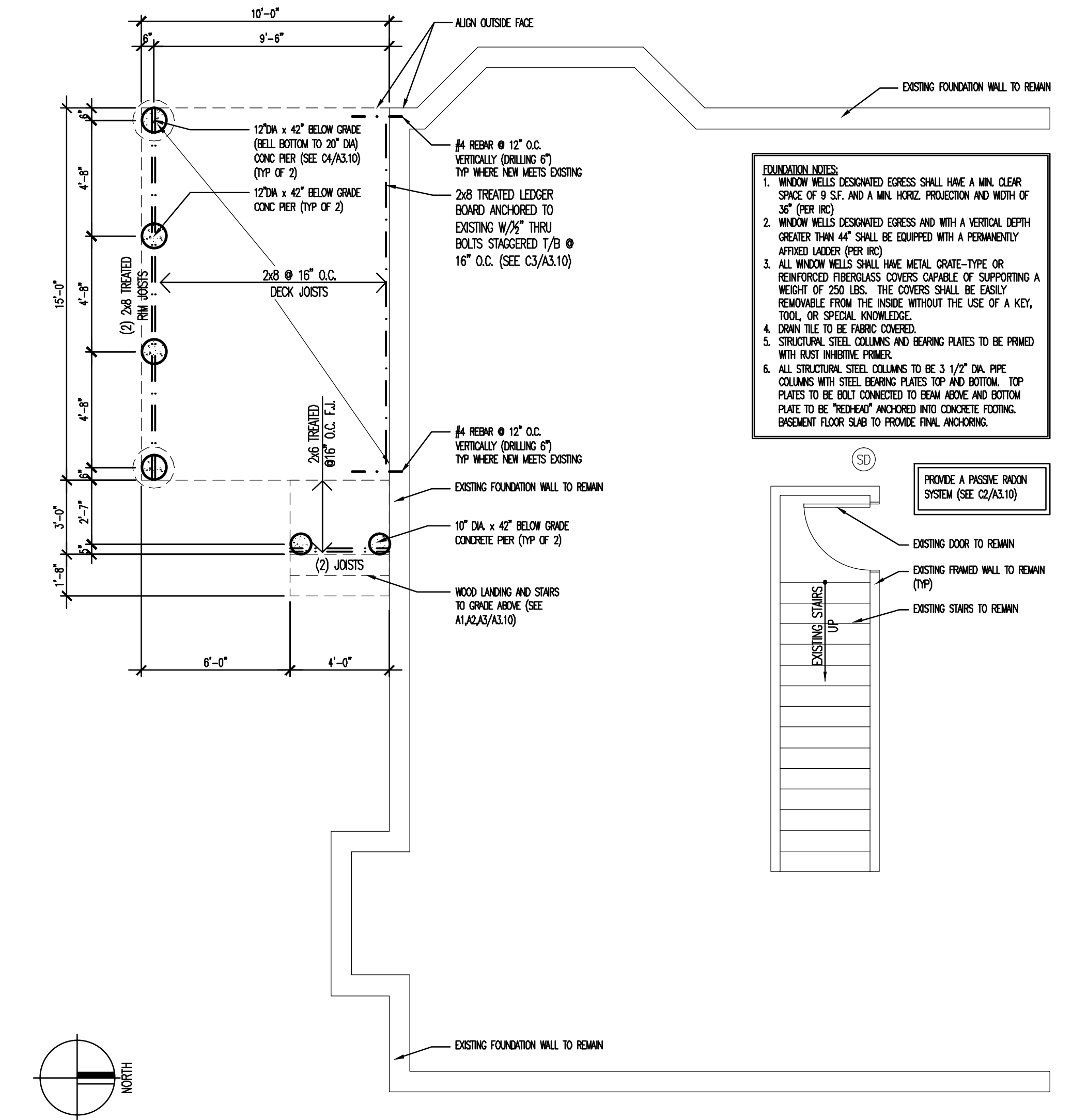
- EXTERIOR ELEVATION KEYNOTE LEGEND:**
- 1 EXISTING FOOTING TO REMAIN
  - 2 EXISTING FOUNDATION TO REMAIN
  - 3 10" DIA x 42" BELOW GRADE CONCRETE PIER
  - 4 WOOD LANDING WITH STEPS TO GRADE (NO RAILING REQUIRED)
  - 5 1/4" CONTINUOUS CORNER BOARD (MATCH EXISTING)
  - 6 PATCH EXISTING HORIZONTAL SIDING AS REQUIRED (MATCH EXISTING STYLE, MATERIAL, EXPOSURE)
  - 7 ALUMINUM GUTTERS & DOWNSPOUTS
  - 8 ASPHALT SHINGLES, PATCH AS REQUIRED @ EXISTING
  - 9 SADDLE AS REQUIRED (SADDLE MAY NOT BE NEEDED)
  - 10 LINE OF ROOF BEHIND
  - 11 LINE OF ROOF BEYOND
  - 12 ALUMINUM ROOF RETURN (HOLD FLUSH TO WALL)
  - 13 1/2 ON 1/8 ALUMINUM WRAPPED ROOF FINE
  - 14 INSECT SCREEN IN 1/2 CEDAR FRAMING & SCREENED IN PLACE (FIELD BUILT - VERIFY EXACT SIZE IN FIELD)
  - 15 12" DIA x 42" BELOW GRADE CONCRETE PIER (BELL TO 20')
  - 16 LINE OF 72"x80" DOOR BEYOND (TEMPERED GLASS)
  - 17 LINE OF EXISTING CHIMNEY
  - 18 2x2 CEDAR GUARD RAIL @ 36" H
  - 19 1x TRIM OVER TREATED FRAMING (MATCH EXISTING)
  - 20 PATCH FRAMED WALL AS REQUIRED
  - 21 12" DIA x 42" BELOW GRADE CONCRETE PIER
  - 22 WOOD LATTICE OVER INSECT SCREENING ON WOOD POSTS
- E EXISTING  
 F FIXED  
 T TEMPERED  
 FO BASEMENT FLOOR LINE  
 F1 FIRST FLOOR LINE

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C1 LEFT SIDE ELEVATION  
A1.10 1/4"=1'-0"

C3 REAR ELEVATION  
A1.10 1/4"=1'-0"

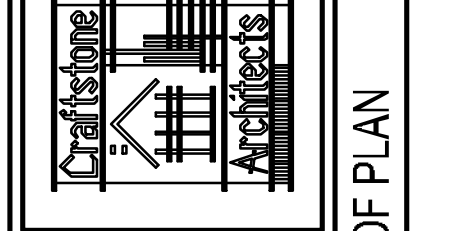


A1 FOUNDATION PLAN  
A1.10 1/4"=1'-0"

A2 ROOF PLAN  
A1.10 1/4"=1'-0"

A4 LEFT ELEVATION  
A1.10 1/4"=1'-0"

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**Wivell Porch - Addition**  
415 River Bluff Circle Naperville, IL  
for  
Ron & Judith Wivell  
1514 Weldon Court, Naperville, IL  
Phone: (630) 363-8600

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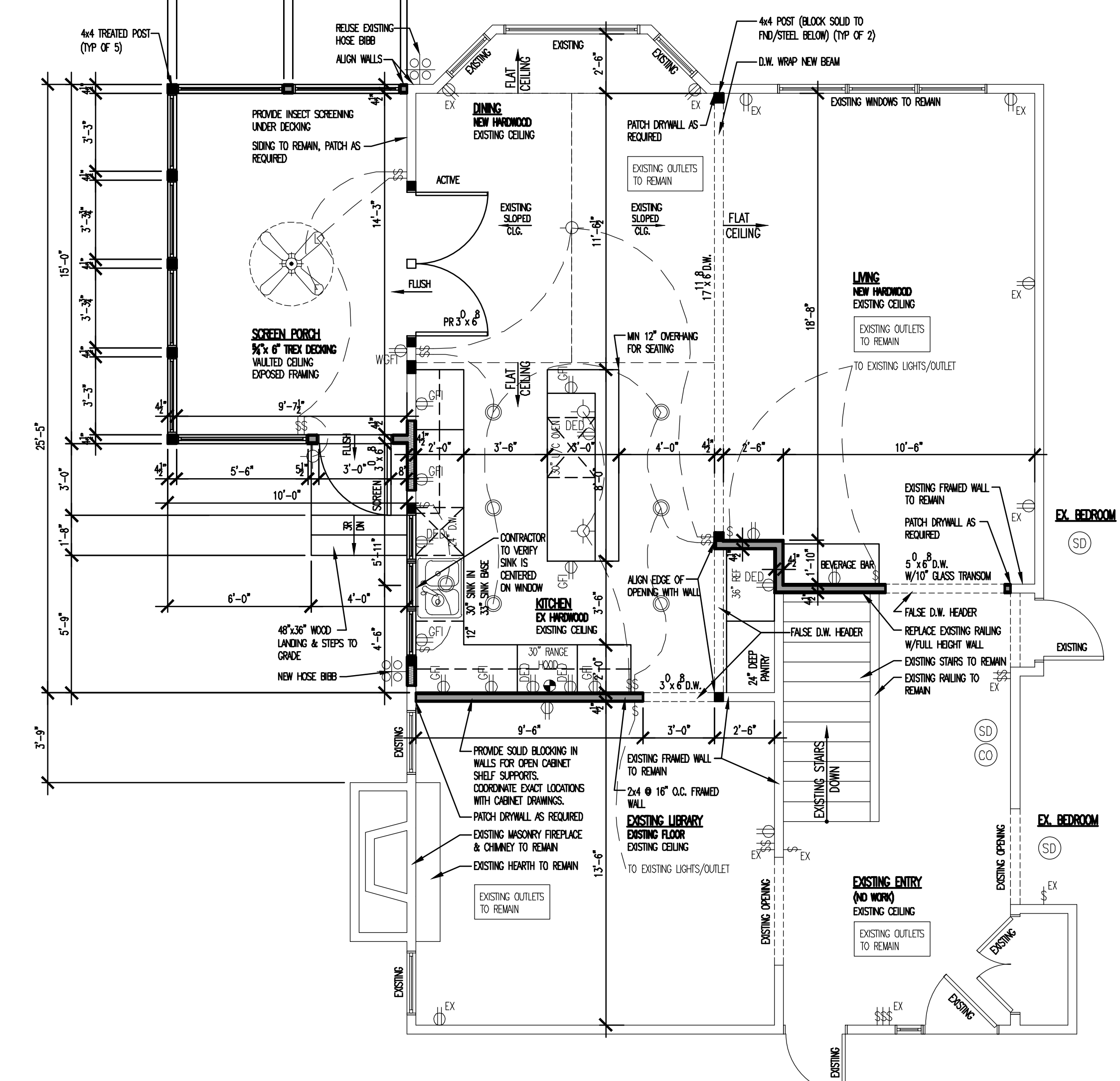
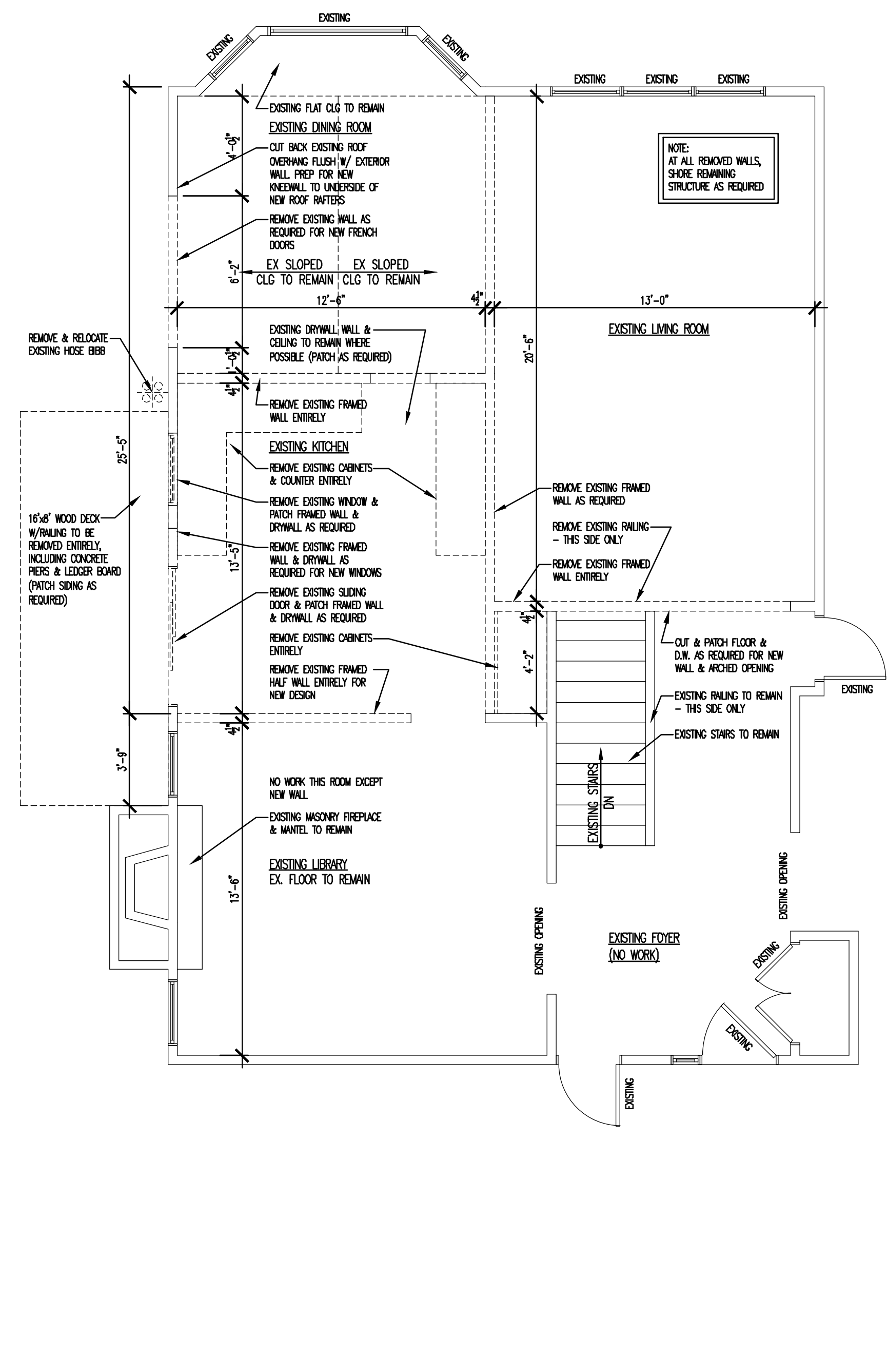
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160214-A1.10 EXTERIOR ELEVATIONS PLAN - ROOF PLAN.DWG  
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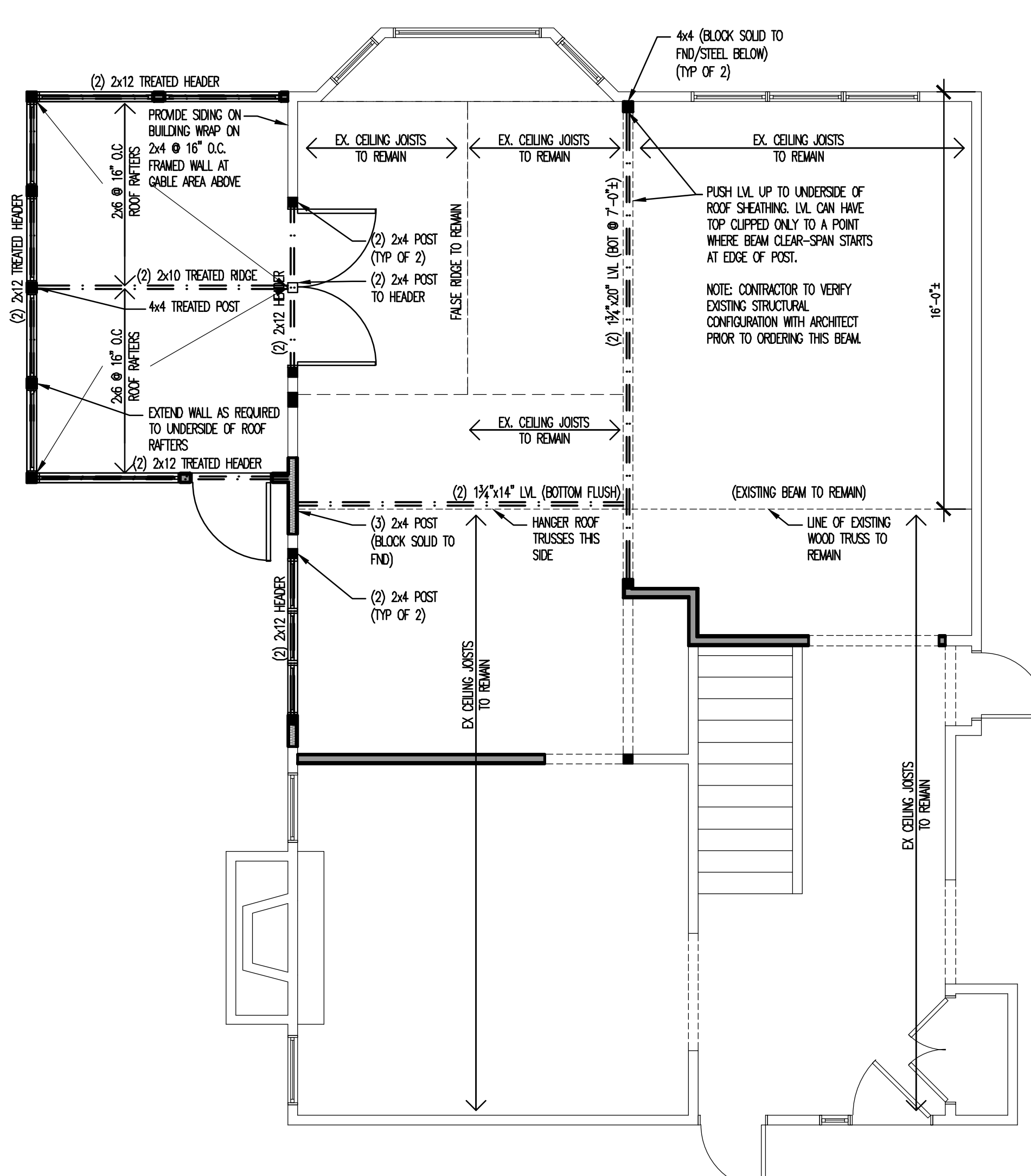
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ROOM NAME	AREA (s.f.)	8% NATURAL LIGHT		4% NATURAL VENT	
		REQ'D	ACT	REQ'D	ACT
FIRST FLOOR:					
KITCHEN/DINETTE	350	28.0	72.6	14.0	41.1
LIVING ROOM	262	21.0	31.8	10.5	17.1

\* PROVIDE AN APPROVED MECHANICAL VENTILATION SYSTEM CAPABLE OF PRODUCING 0.35 AIR CHANGES PER HOUR IN THIS ROOM OR A WHOLE-HOUSE MECHANICAL VENTILATION SYSTEM CAPABLE OF SUPPLYING OUTDOOR VENTILATION AIR OF 15 CFM PER OCCUPANT COMPUTED ON THE BASIS OF 2 OCCUPANTS FOR THE FIRST BEDROOM AND 1 OCCUPANT FOR EACH ADDITIONAL BEDROOM.  
 \*\* PROVIDE ARTIFICIAL LIGHTING CAPABLE OF PRODUCING AN AVERAGE OF 6 FOOTCANDLES OVER THE AREA OF THE ROOM AT A HEIGHT OF 30" ABOVE THE FLOOR LEVEL.



- GENERAL PLAN NOTES:**
- SEE WALL SECTION A3/A4.10.
  - ALL WALL DIMENSIONS ARE 4" UNO.
  - ALL ANGLED WALLS ARE 45° UNO.
  - PROVIDE JAMB EXTENSIONS FOR DOORS AND WINDOWS LOCATED IN ALL 2x6 WALLS.
  - ALL STRUCTURAL BEAMS ARE TO BEAR ON MINIMUM OF (2) 2x4 COLLARS UNO.
  - ALL ESCAPE WINDOWS TO MEET OR EXCEED IRC 2012.
  - ALL JOISTS/RIFTERS NOTED AS BO ARE ENGINEERED T-JOIST BY BOSE-CASADE AND ALL SIZING AND SPACING IS BASED ON MANUFACTURER'S RECOMMENDATIONS WITH A DEFLECTION OF L/460. PLEASE NOTE THAT A SERIES DESIGNATION IS ALSO PROVIDED AND THERE MAY BE MORE THAN ONE SERIES SPECIFIED. INSTALL PER MANUFACTURER'S RECOMMENDATIONS. IF NO SERIES IS SPECIFIED, IT IS ASSUMED TO BE 6000 SERIES DEL.
  - PROVIDE 1/2" OF BEARING (MIN) AT ALL JOIST ENDS OR PROVIDE APPROVED JOIST HANGERS.
  - ALL PLUMBING & HVAC WALLS TO BE DOUBLE 2x4 @ 16" O.C. OR 2x6 @ 16" O.C. WALLS AND NO HVAC OR PLUMBING SHALL BE LOCATED IN ANY EXTERIOR WALL.
  - FIRE BLOCKING (PER SECTION RC 2012) SHALL BE PROVIDED TO CUT OFF ALL CONCEALED DRAFT OPENINGS, BOTH VERTICALLY AND HORIZONTALLY, AND TO FORM AN EFFECTIVE FIRE BARRIER BETWEEN STORES, AND BETWEEN A TOP STORY AND THE ROOF SPACE. IN CONCEALED SPACES OF STUD WALLS, FURRED SPACES, AND PRINCELES OR SIMILAR ROOMS OR STUDS, PROVIDE FIRE BLOCKING VERTICALLY AT THE CEILING AND FLOOR LEVELS, AND HORIZONTALLY AT INTERVALS NOT TO EXCEED 10', AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILING, AND COKE CEILING. IN CONCEALED SPACES BETWEEN STAIR STRINGERS AT THE TOP AND BOTTOM OF THE RUN, ENCLOSED SPACES UNDER STAIRS SHALL COMPLY WITH IRC 2012. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CABLES, AND WIRES AT CEILING AND FLOOR LEVEL, WITH AN APPROVED MATERIAL TO RESIST THE FREE PASSAGE OF FLAME AND PRODUCTS OF COMBUSTION.
- FIRST FLOOR PLAN:**  
8'-0" CEILING HEIGHT (EXISTING), UNO.  
434 S.F. DEMO/RENO SPACE  
150 S.F. NEW SCREEN ROOM
- PATCH ANY DAMAGED DRYWALL AS REQUIRED**
- CONTRACTOR TO VERIFY EXISTING HOUSE HAS PROPER AMOUNT OF SMOKE AND CARBON MONOXIDE DETECTORS AS NOTED ABOVE. IF NOT THEN THEY SHALL BE ADDED WHERE REQUIRED AND INTERCONNECTED IF PRACTICAL TO DO SO.**
- ADDITIONAL HVAC NOTES:**
- EXISTING FURNACES AND A/C UNITS TO REMAIN. ONLY HVAC WORK SHALL BE THE REWORK OF TRUNK LINES IN BASEMENT. HVAC CONTRACTOR TO BALANCE ENTIRE SYSTEM AFTER REWORK OF TRUNKS TO ASSURE PROPER AIR FLOW TO ENTIRE HOUSE.
- GENERAL MECH. NOTES:**
- ALL 125-WATT SINGLE PHASE, 15- & 20-AMP RECEPTACLES, ELECTRICAL EQUIPMENT, LIGHT FIXTURES, AND FANS INSTALLED IN BATHROOMS SHALL BE INSTALLED WITH GFCI PROTECTION.
  - ALL 125-WATT SINGLE PHASE, 15- AND 20-AMP RECEPTACLES (IF ANY) INSTALLED BELOW GRADE SHALL HAVE GFCI PROTECTION.
  - EACH STACK VENT EXTENSION THROUGH THE ROOF SHALL BE A MINIMUM OF FOUR (4) INCHES.
  - ALL 125-WATT SINGLE PHASE, 15A & 20A RECEPTACLES INSTALLED IN FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DEN'S, SUNROOMS, RECREATION ROOMS, BEDROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS SHALL BE INSTALLED WITH AN ARCH FAULT CIRCUIT INTERRUPTER.
  - ALL BATHROOM AND KITCHEN EXHAUST FANS TO VENT DIRECTLY TO THE EXTERIOR. ALL BATH EXHAUST FANS TO BE 1 SONE OR LESS.
  - ALL NEW 125-WATT 15A & 20A RECEPTACLES SHALL BE LISTED TAMPER RESISTANT RECEPTACLES PER 2008 NEC.
  - ANY RECEPTACLES FOR GARAGE DOOR OPENERS SHALL BE INSTALLED WITH GFCI PROTECTION.
  - A MINIMUM OF 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH EFFICIENCY LAMPS.
- SMOKE & CARBON MONOXIDE DETECTORS:**
- SMOKE DETECTORS: AT LEAST ONE SMOKE DETECTOR SHALL BE LOCATED AT EACH LEVEL, ONE IN EACH BEDROOM, AND WITHIN A 15' RADIUS OF ANY BEDROOM DOOR. SMOKE DETECTORS SHALL BE 110V WITH BATTERY BACKUP AND INTERCONNECTED.
  - CARBON MONOXIDE DETECTORS: PROVIDE WITHIN 15' OF EVERY BEDROOM DOOR OPENING. THE CARBON MONOXIDE DETECTOR MAY BE BATTERY OPERATED OR HARDWIRED.
  - 1 SMOKE DETECTOR REQUIRED ON EACH LEVEL OF HOUSE AND 1 IN EACH OF THE 4 BEDROOMS.



A1 FIRST FLOOR DEMO PLAN  
1/4"=1'-0"

A2 FIRST FLOOR PLAN  
1/4"=1'-0"

A4 FIRST FLOOR FRAMING PLAN  
1/4"=1'-0"

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FIRST FLOOR PLANS

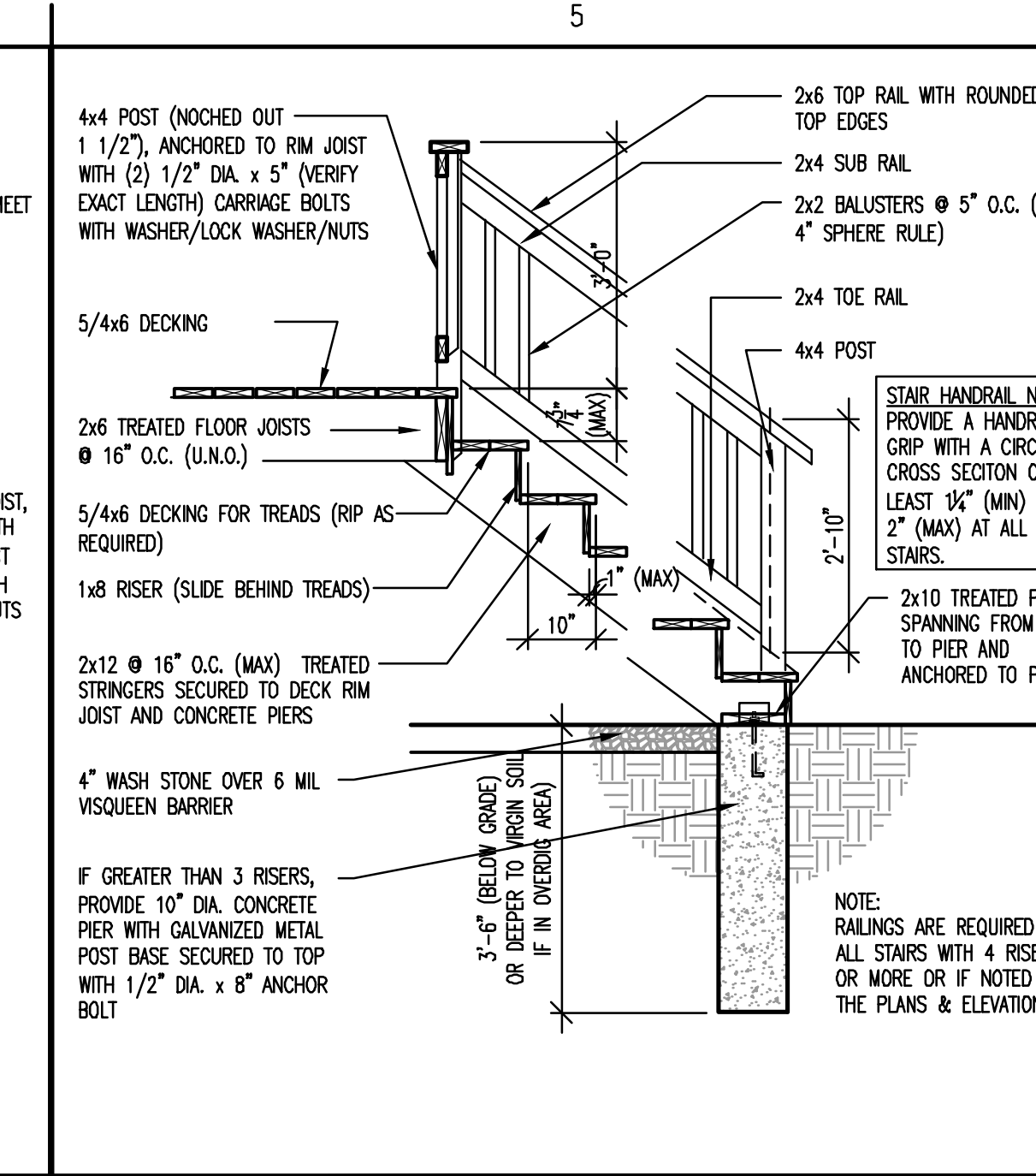
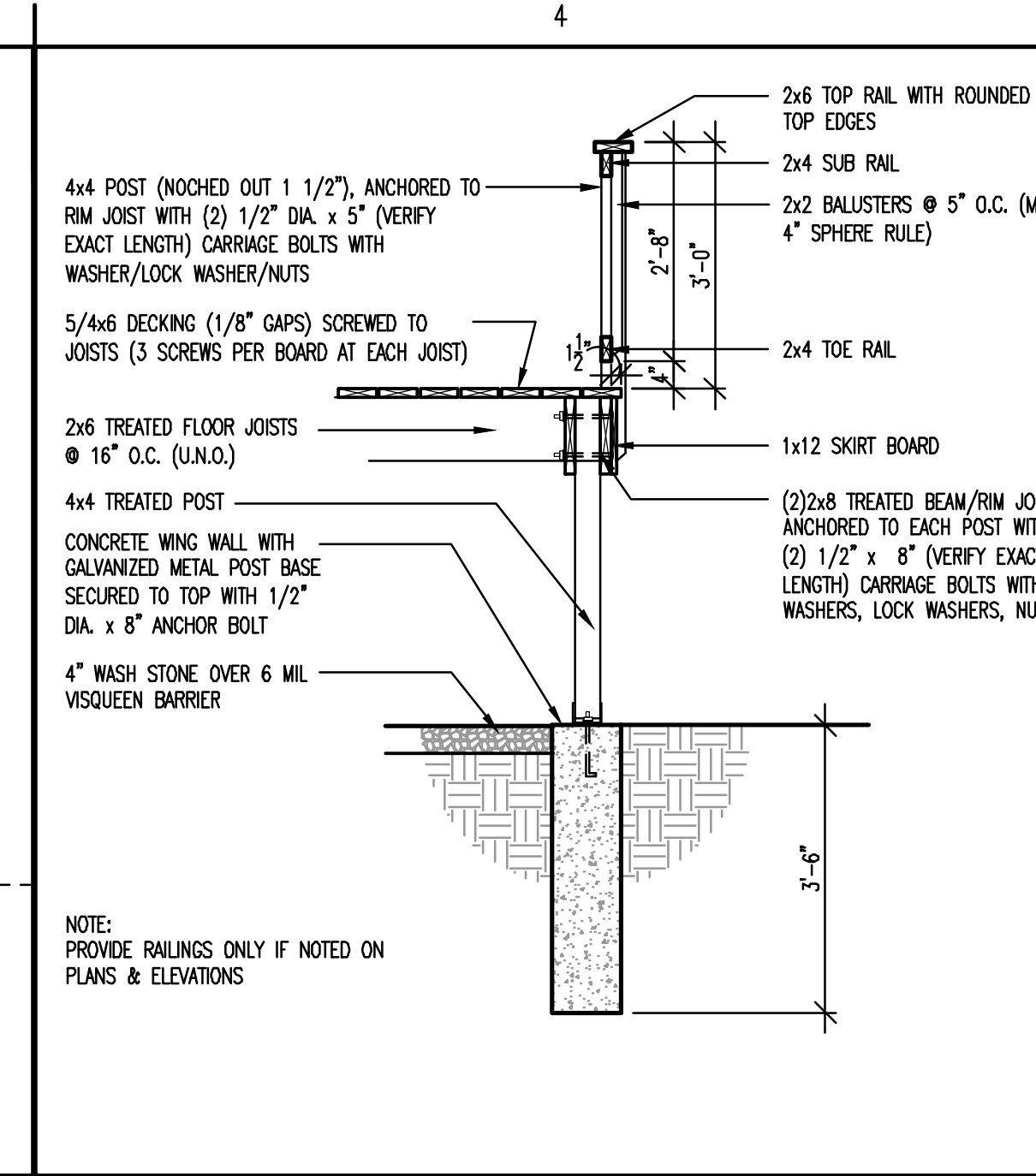
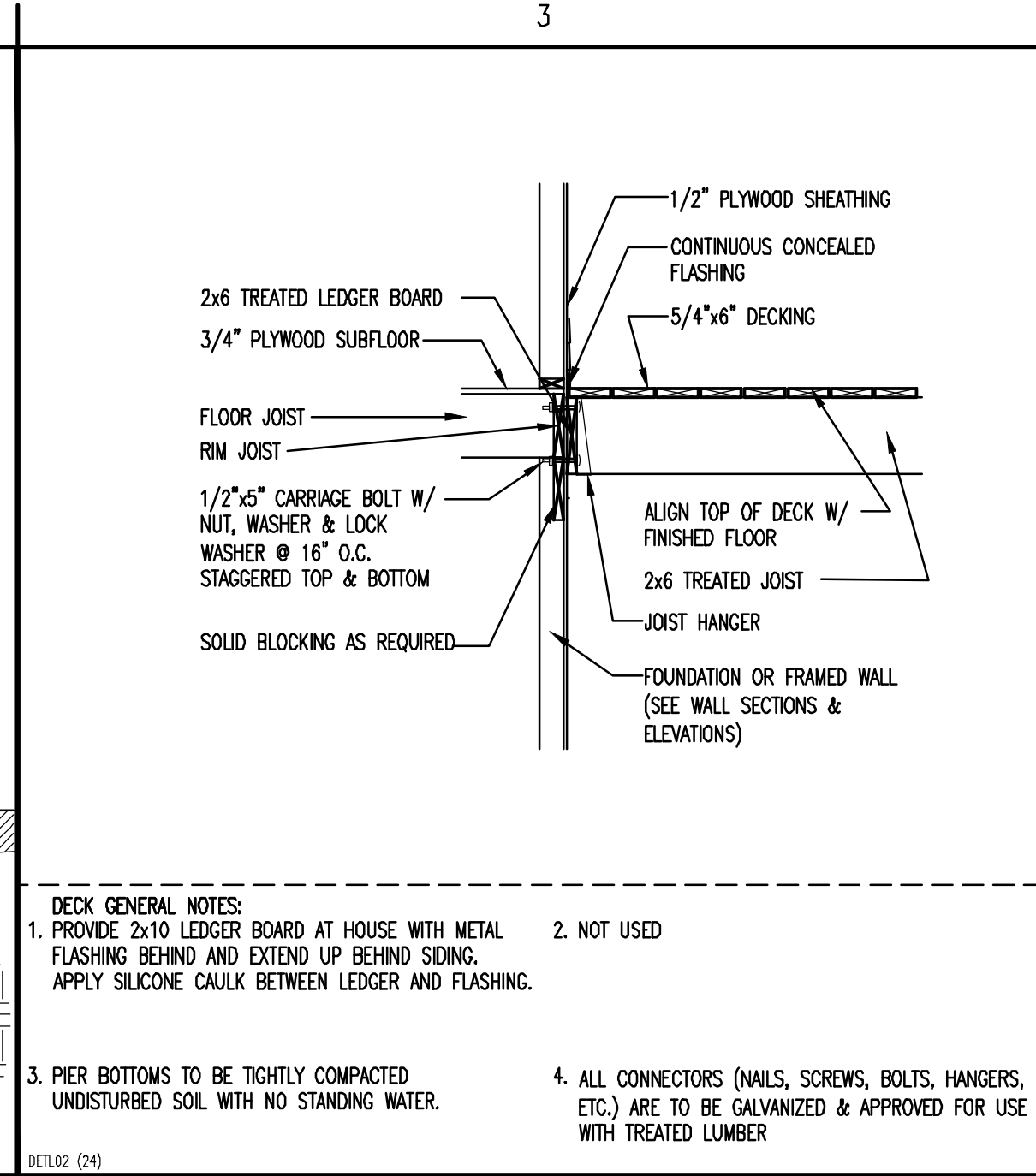
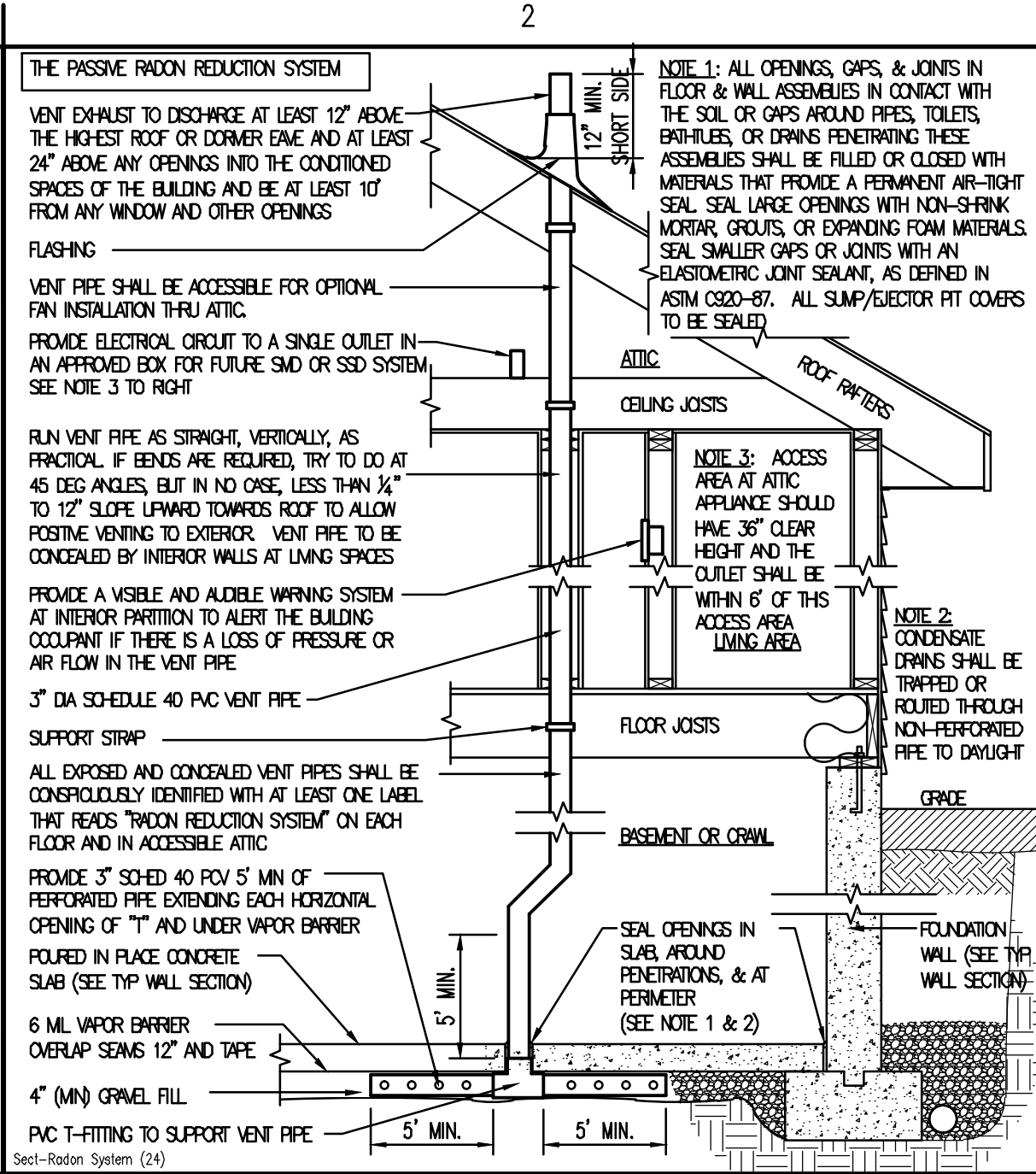
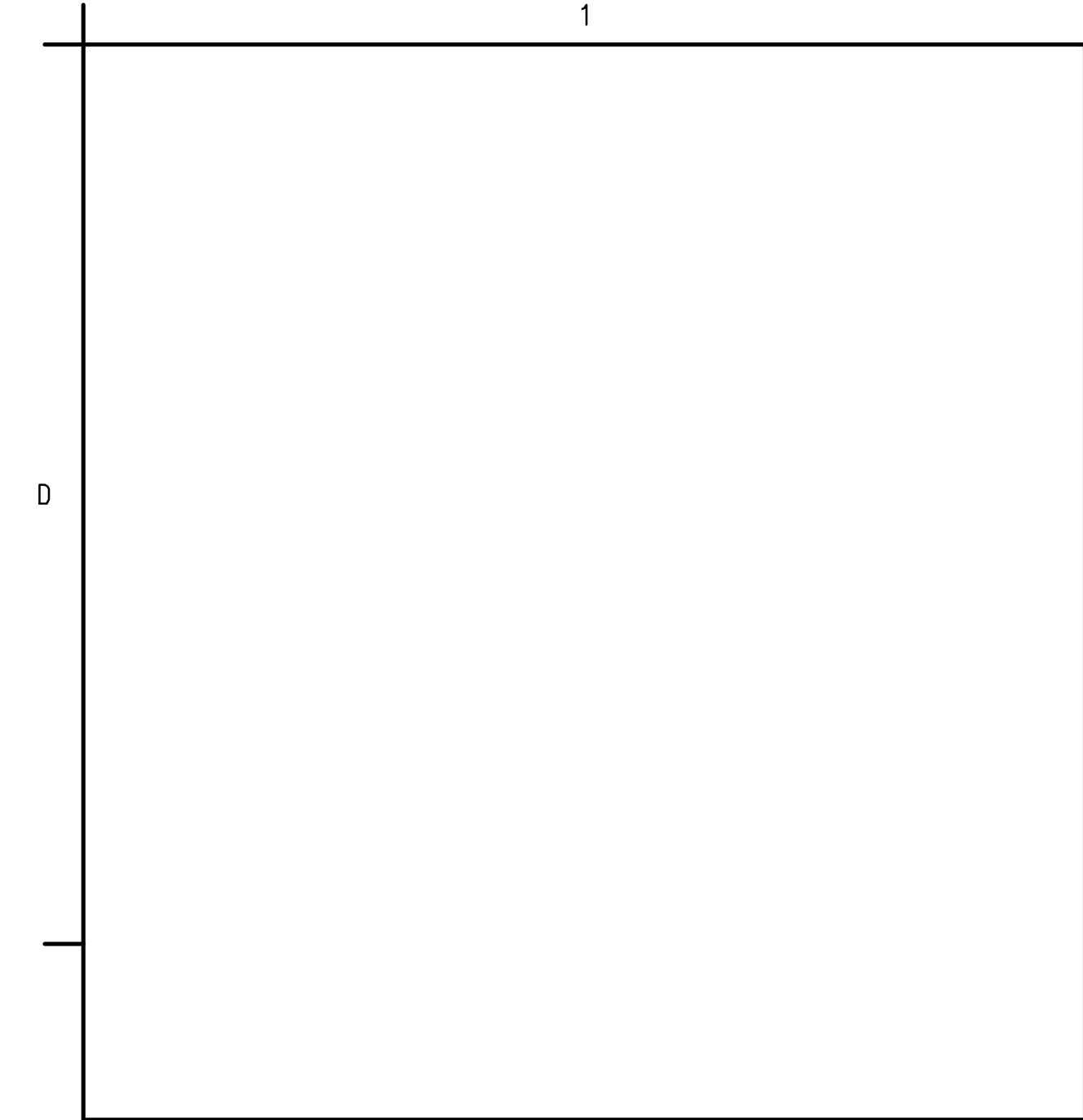
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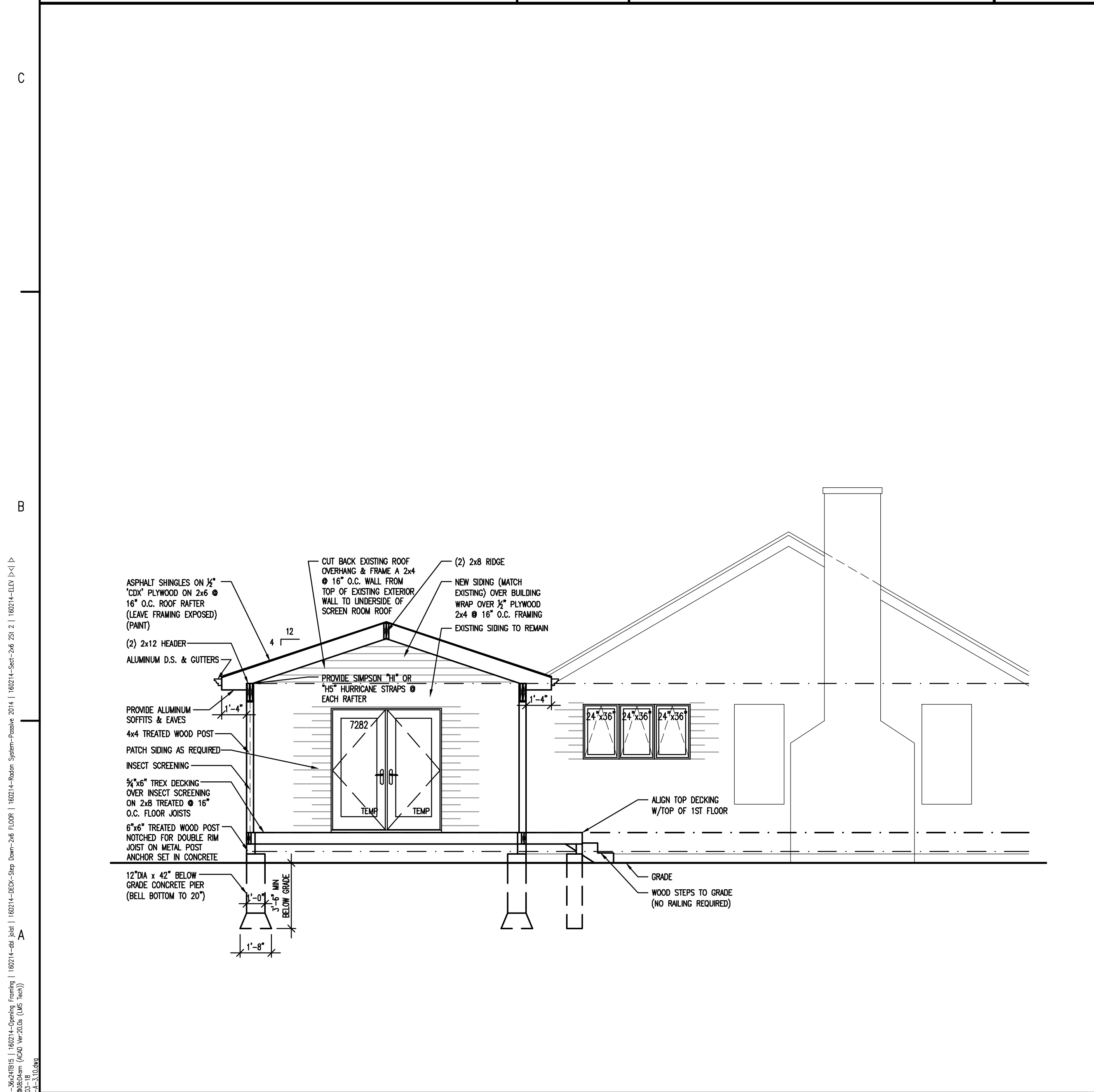


C2 PASSIVE RADON SYSTEM  
A3.10 NTS

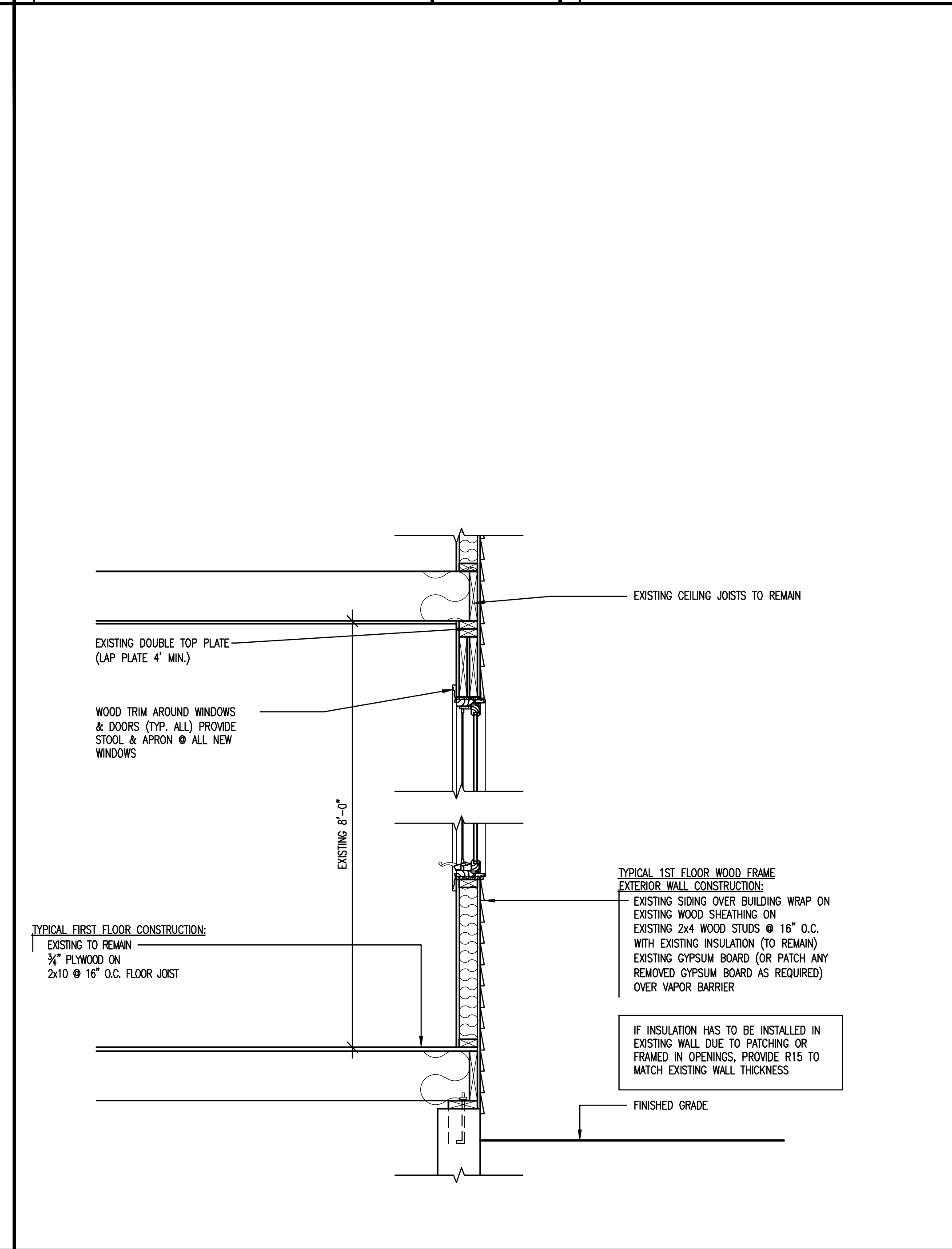
C3 DECK DETAIL  
A3.10 1/2" = 1'-0"

C4 DECK DETAIL  
A3.10 1/2" = 1'-0"

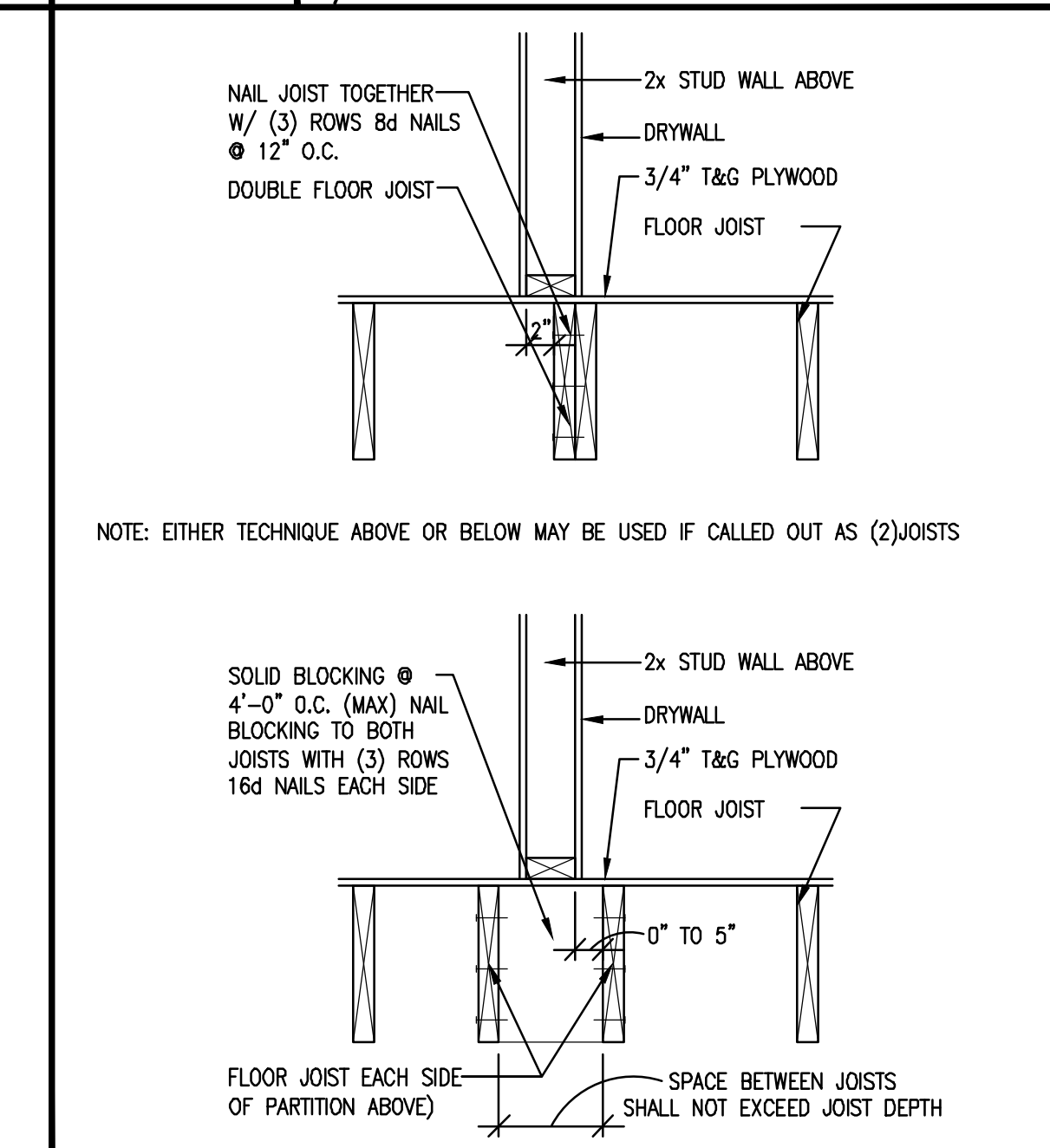
C5 DECK DETAIL  
A3.10 1/2" = 1'-0"



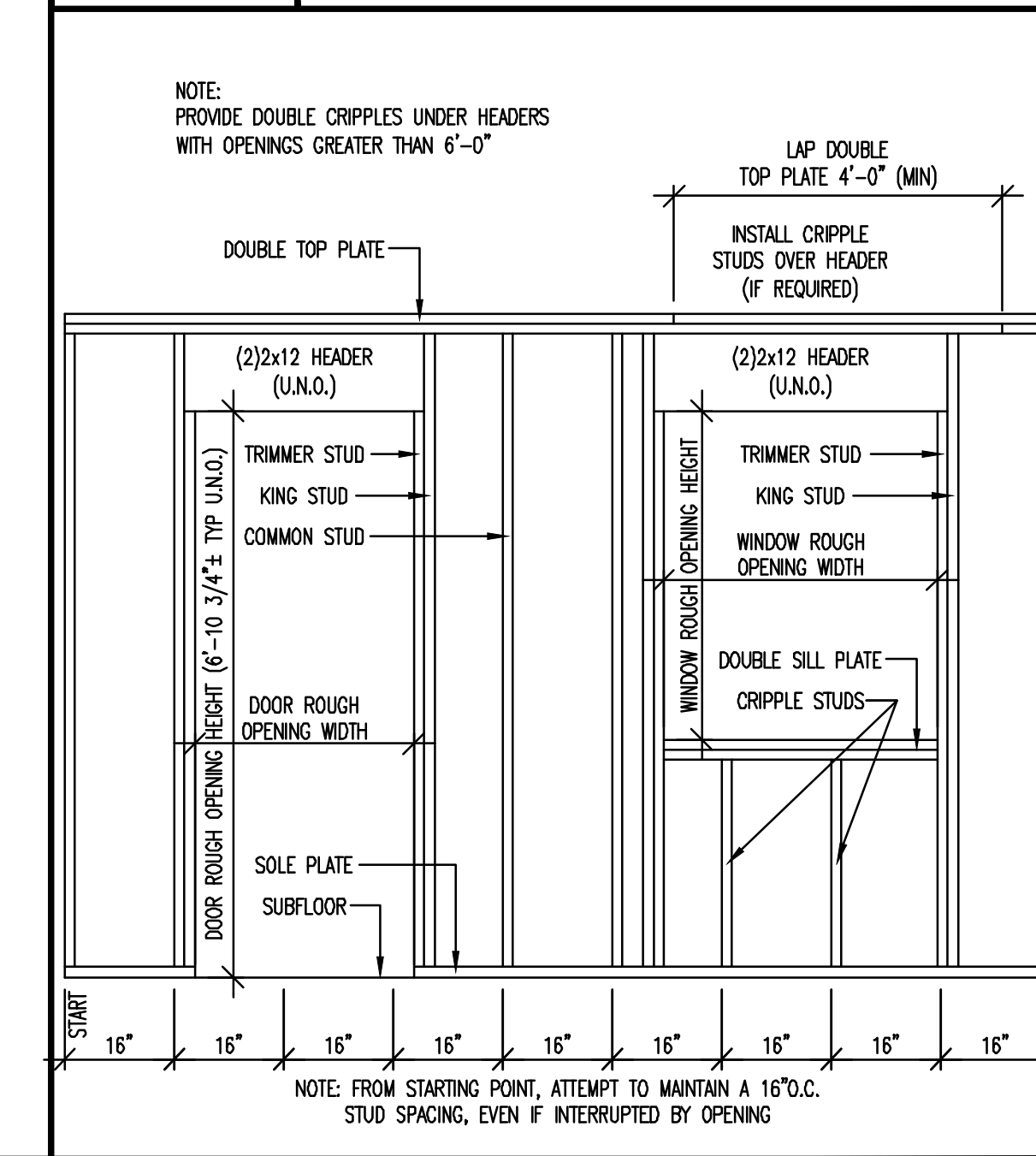
A1 BUILDING SECTION  
A3.10 1/4" = 1'-0"



A3 WALL SECTION  
A3.10 3/4" = 1'-0"



B5 FRAMING DETAIL  
A3.10 1" = 1'-0"



A5 FRAMING DETAIL  
A3.10 1" = 1'-0"

A1 BUILDING SECTION  
A3.10 1/4" = 1'-0"

A3 WALL SECTION  
A3.10 3/4" = 1'-0"

A5 FRAMING DETAIL  
A3.10 1" = 1'-0"

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