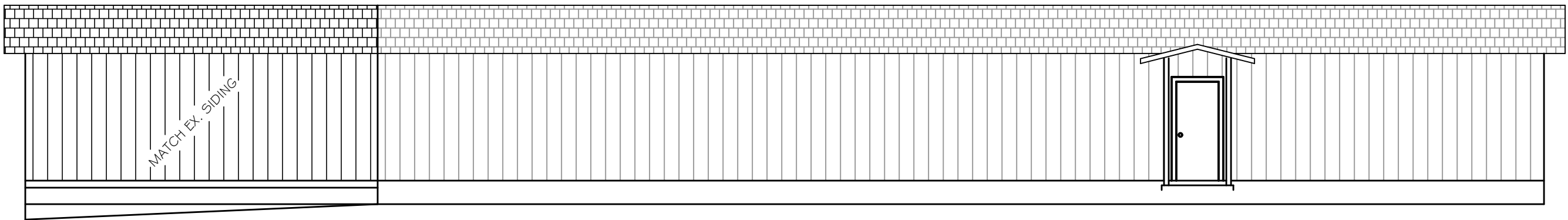
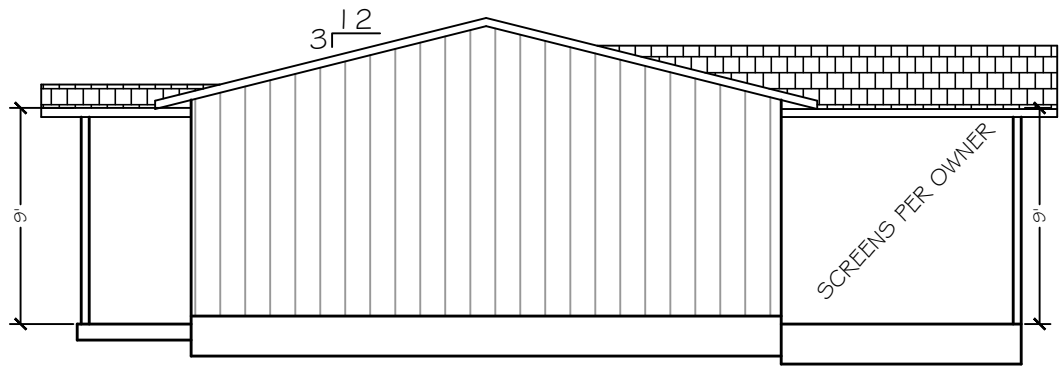


DESIGN SPECIFICATIONS

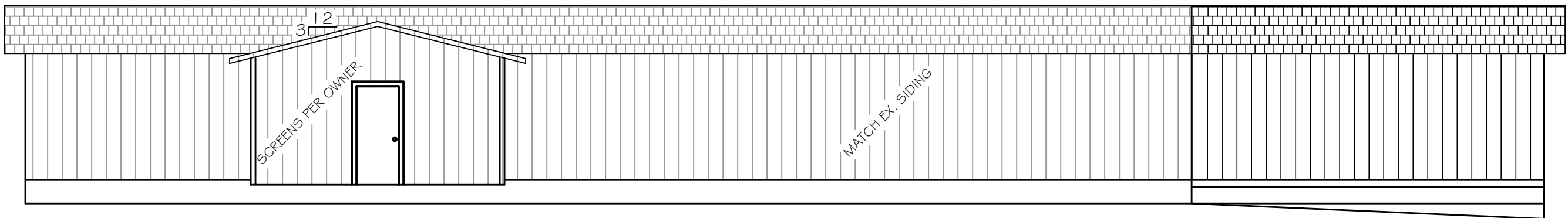
- DESIGN CODES:
2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS W/O STORAGE
FLOORS:
LL 40 PSF TOP CHORD
LL 0 PSF BOTTOM CHORD
DL 10 PSF TOP CHORD
DL 5 PSF BOTTOM CHORD
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-G, UNPROTECTED, UNSPRINKLERED
- WIND ZONE INFORMATION
BUILDING: ENCLOSED STRUCTURE
ULTIMATE DESIGN WIND SPEED: 130 MPH
NOMINAL DESIGN WIND SPEED: 110 MPH
BUILDING RISK CATEGORY: II
WIND EXPOSURE CATEGORY: C
INTERNAL PRESSURE COEFFICIENT: 0.18 CGp1 ±



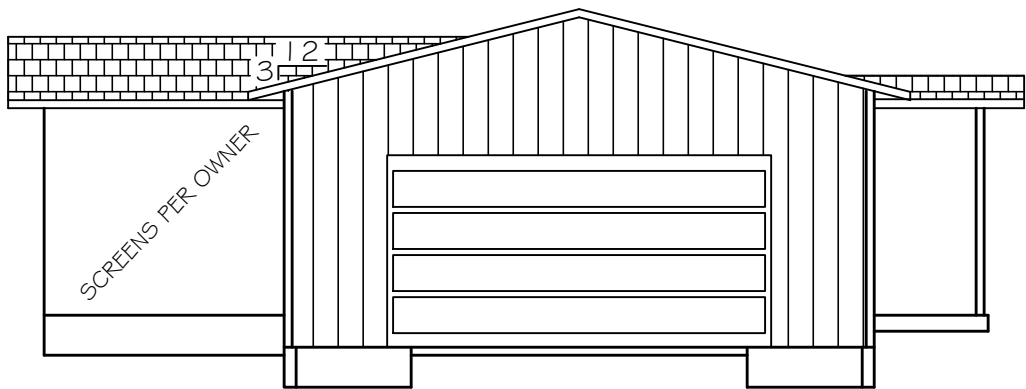
FRONT ELEVATION
SCALE: 1/8" = 1'



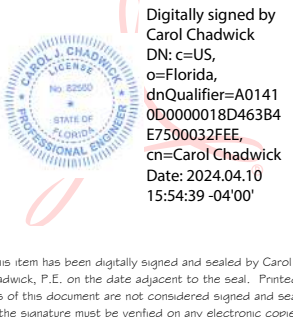
RIGHT ELEVATION
SCALE: 1/8" = 1'



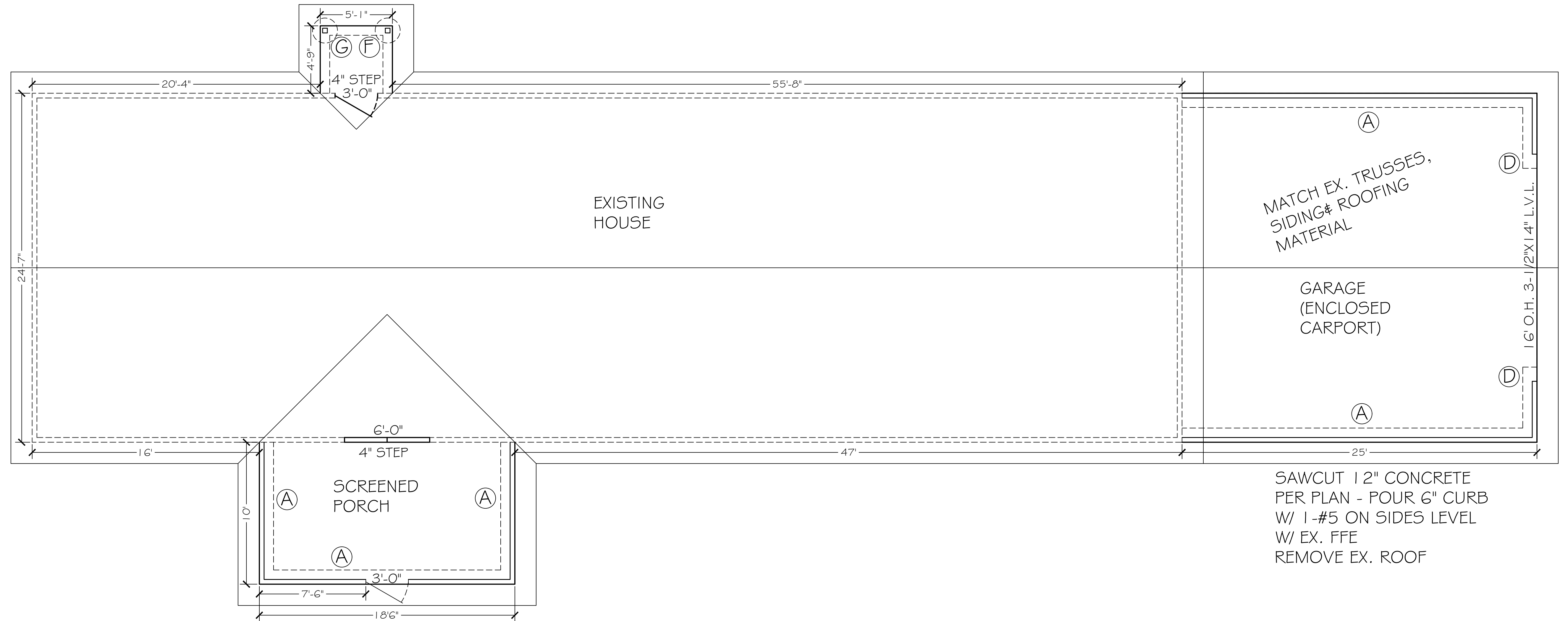
REAR ELEVATION
SCALE: 1/8" = 1'



LEFT ELEVATION
SCALE: 1/8" = 1'

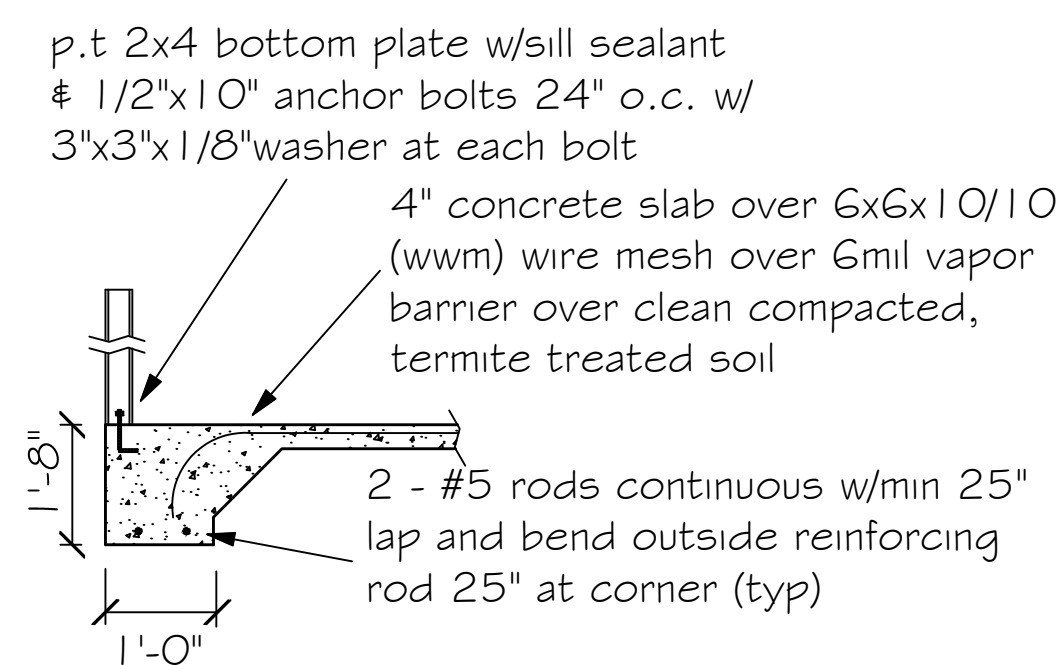


REED RESIDENCE ELEVATIONS		JOHN & DIANNA CONTRACTOR 3545-565-9961		CAROL CHADWICK, P.E. Professional Engineer No. 15800 Ex. 15800 FLORIDA ENGINEERING COUNCIL	
DATE: APRIL 10, 2024	REVISION: 1	PROJECT NO. 2024-0410		DATE: 2024-04-10	

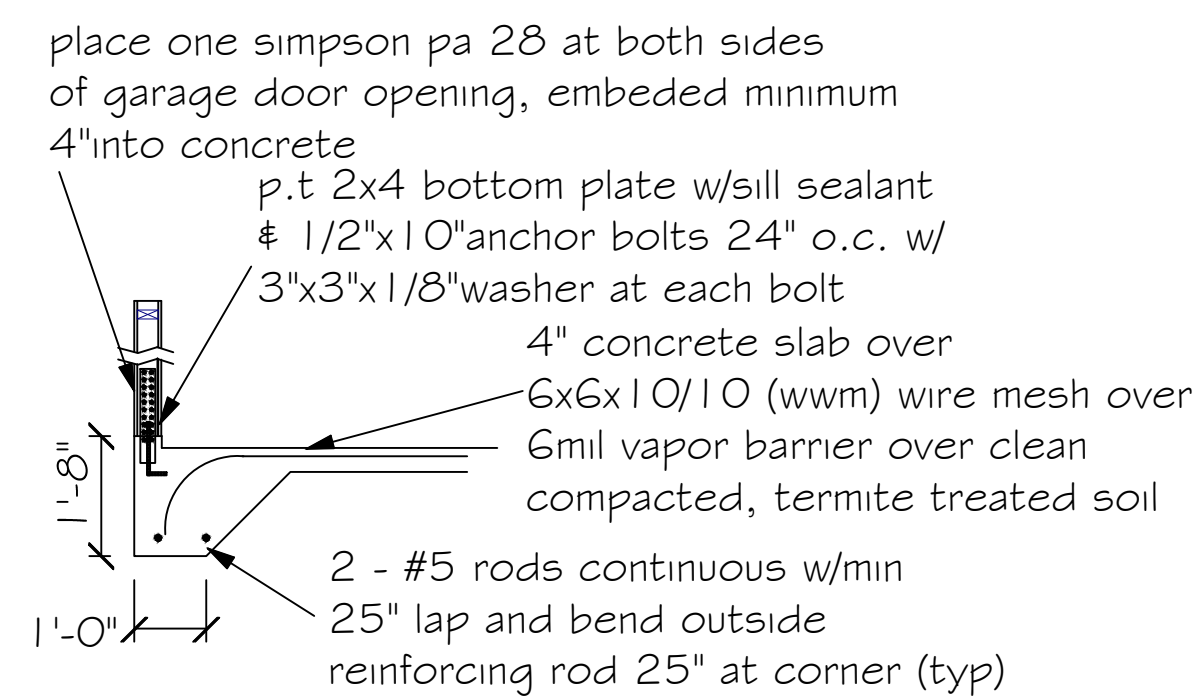


SAWCUT 12" CONCRETE
PER PLAN - POUR 6" CURB
W/ 1-#5 ON SIDES LEVEL
W/ EX. FFE
REMOVE EX. ROOF

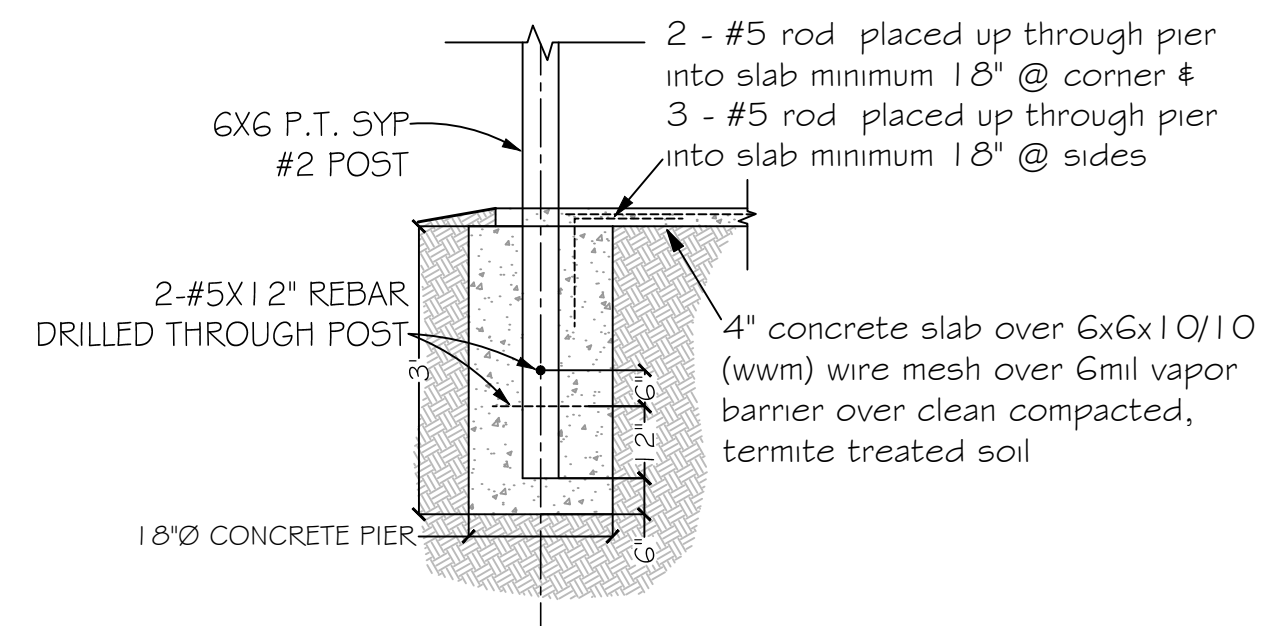
SCALE: 1/4" = 1'



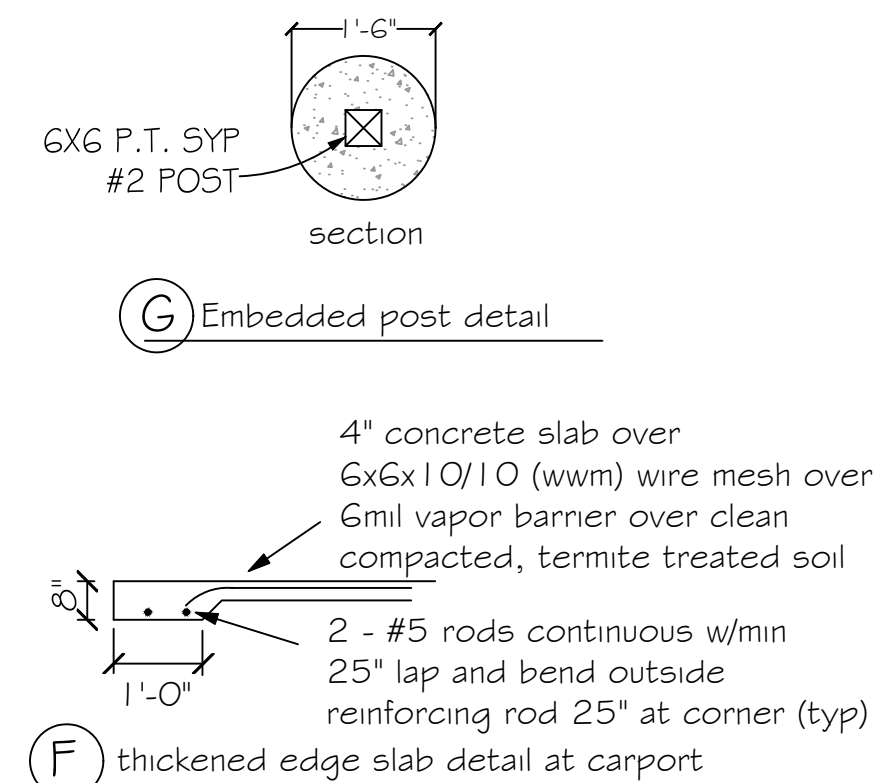
(A) Monolithic slab detail



(D) Monolithic slab detail at garage



G Embedded post detail



(F) thickened edge slab detail at carport

ROOF VENT CALCULATION

FORMULA

1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING
 1.44 SQUARE INCHES = 1 SQUARE FOOT
 BUILDING CEILING (50 FT) x 1.44 = BUILDING (50 IN)
 BUILDING (50 IN) x 50 = 50 IN OF VENT REQUIRED
 50 IN OF VENT REQUIRED ÷ 2 = 50% AT HIGH AND 50% AT LOW
 PER FBC SECTION R803.2.406 MIN, BUT NOT MORE THAN 50% OF
 VENTILATION MUST BE PROVIDED BY VENTILATORS LOCATED A
 MIN 3'-0" ABOVE EAVE

BASE OF CALCULATION:

(a) OFF RIDGE VENTS - STAMPCO W/ 3/8 SQ IN (IN/VA) PER LINEAL FT

(b) SOFFIT VENTS - 2" T3-1/3" FULL VENT PERFORATED W/ 9-1/8 SQ IN
 (IN/VA) PER LINEAL FT

CALCULATED LINEAL FOOT OF SOFFIT VENT SHALL NOT INCLUDE
 NON-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 5' FROM
 PROPERTY LINE

AREA (SQ FT)	REQUIRED VENTS	PROVIDED VENTS	SHORT (SQ IN)	LINEAL FT	LOW (SQ IN)

SOFFIT TABLE VENT SPEC.

Double 5" perforated soffits have a 6.20 sq. inches/bay, foot rating

Triple 4" center vent soffits has a 1,956 sq. inches/bay, foot rating

Triple 4" full vent soffits has a 5,667 sq. inches/bay, foot rating

Triple 4" basketweave full vent has a 1,434 sq. inches/bay, foot rating

Triple 4" center vent has a 4.79 sq. inches/bay, foot rating

Beaded hidden vent soffits has 2.66 sq. inches/bay, foot rating

Triple 3-1/2" hidden vent soffits has a 9,119 sq. inches/bay, foot rating

NOTE
7/16" O.S.B. NAILED WITH 8D 6"
O.C. IN FIELD & 4" O.C. ON EDGES

NOTE
Simpson Strong-Tie Co. Strong-Drive SDWC TRUSS Screws may be
used for uplift connection in lieu of straps. Strong-Drive SDWC TRUSS
Screws to be installed per manufacturer's specifications.

Simpson Strong-Tie Co. Titen HD Heavy-Duty Screw Anchors 5/8" x 8",
maximum spacing of 24" o.c., may be used in lieu of 5/8"x10" anchor
bolts with 3"x3"x1/8" washer. Titen HD Heavy-Duty Screw Anchors shall
be installed per manufacturer's specifications.

ROOF SHEATHING FASTENING

- 4" O.C. GABLE END
 - 6" O.C. EDGES (ALL ZONES)
 - 6" O.C. INTERMEDIATE FRAMING (ZONE 3)
 - 12" O.C. INTERMEDIATE FRAMING (ZONES 1 & 2)
- SEE FIGURE R803.2.3.1, SECTION R803.1, 2017 FLORIDA
BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF
SHEATHING NAILING ZONES

ROOF NOTES

ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED

OVERLAP NAILED UNDERLAYMENT 4"(MIN) OVER HIPs AND RIDGES

BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK
WHEN SHINGLES NOT INSTALLED SAME DAY

DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE
UNDERLAYMENT AT EAVES

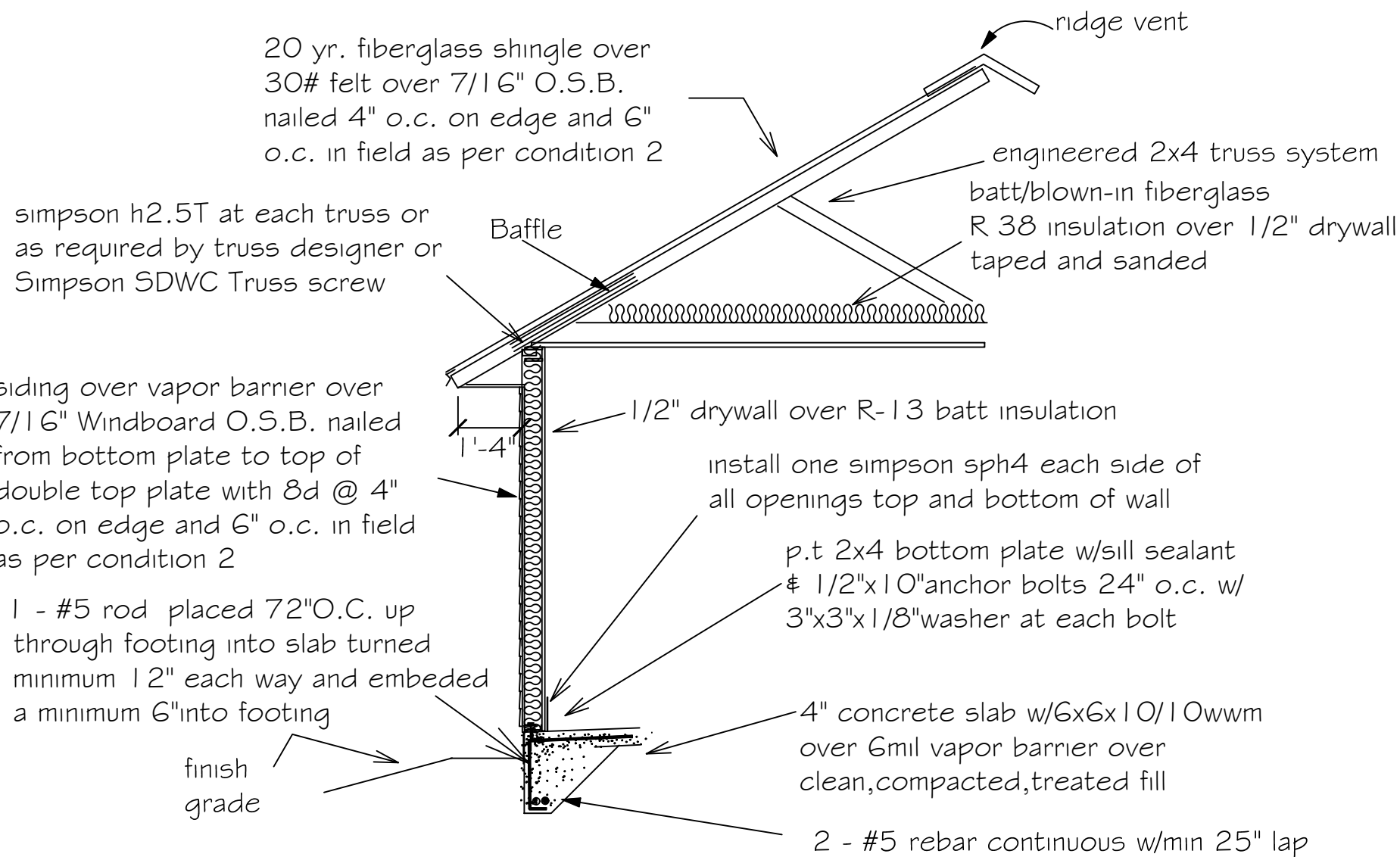
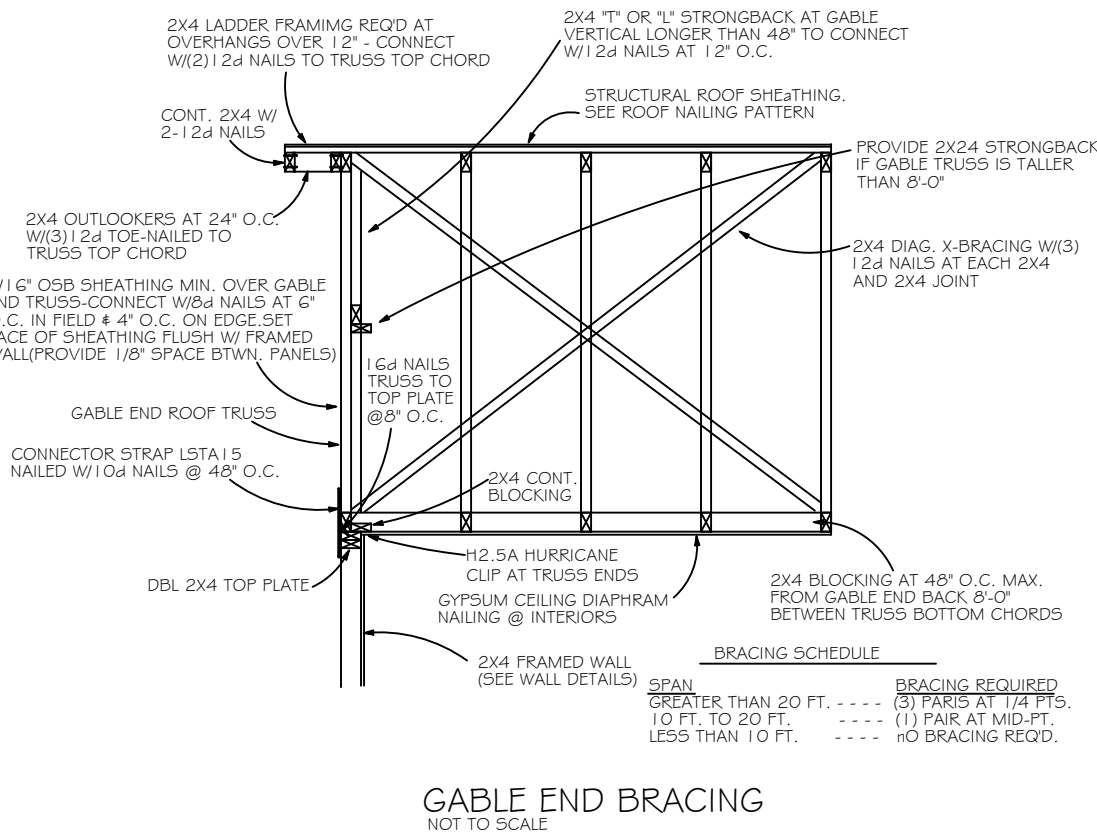
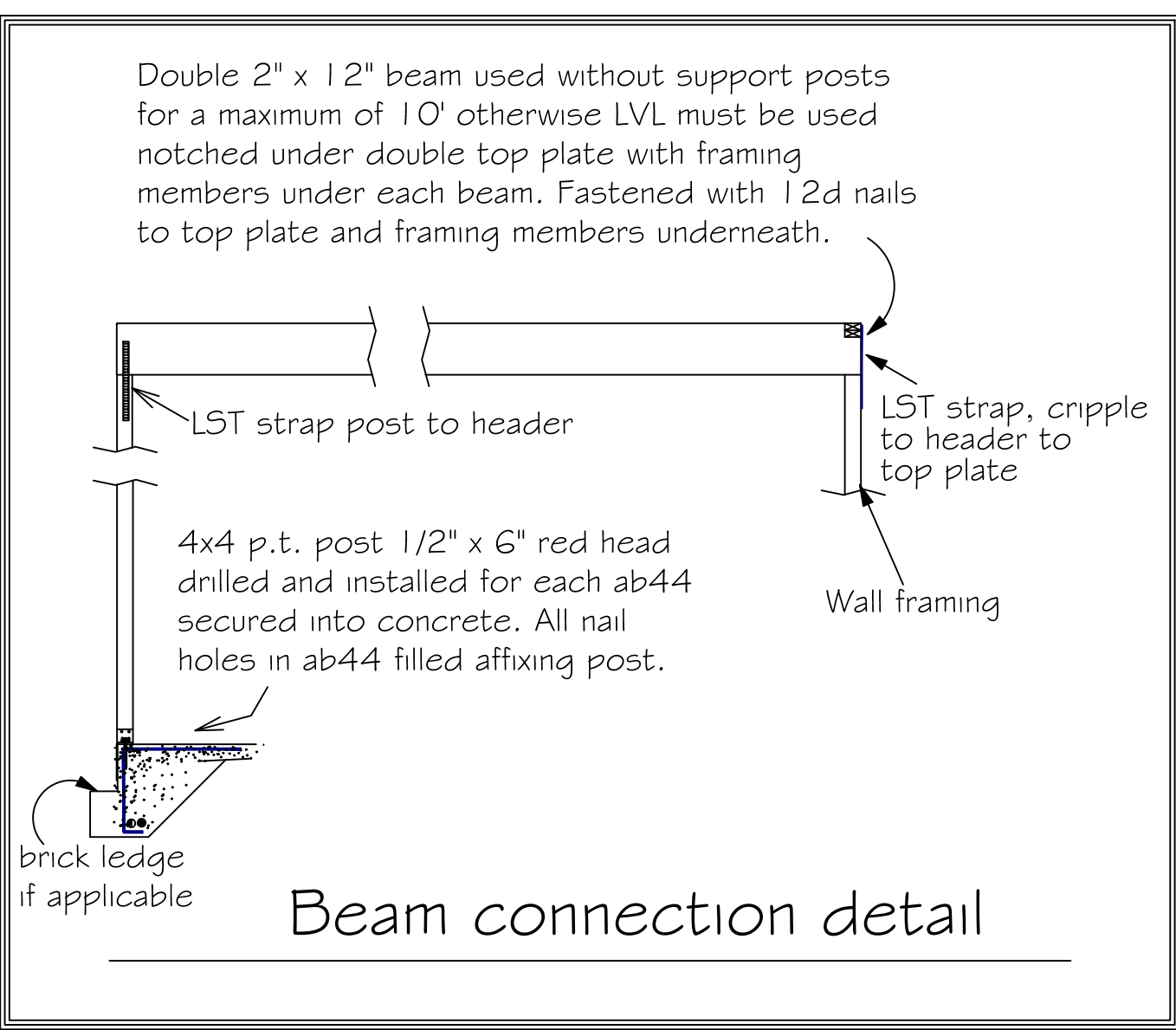
ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF THE
CORRECT SIZE FOR THE PENETRATION

METAL ROOFING ATTACHED W/ CORRECT FASTENERS PER CODE AND
MANUFACTURERS SPECS

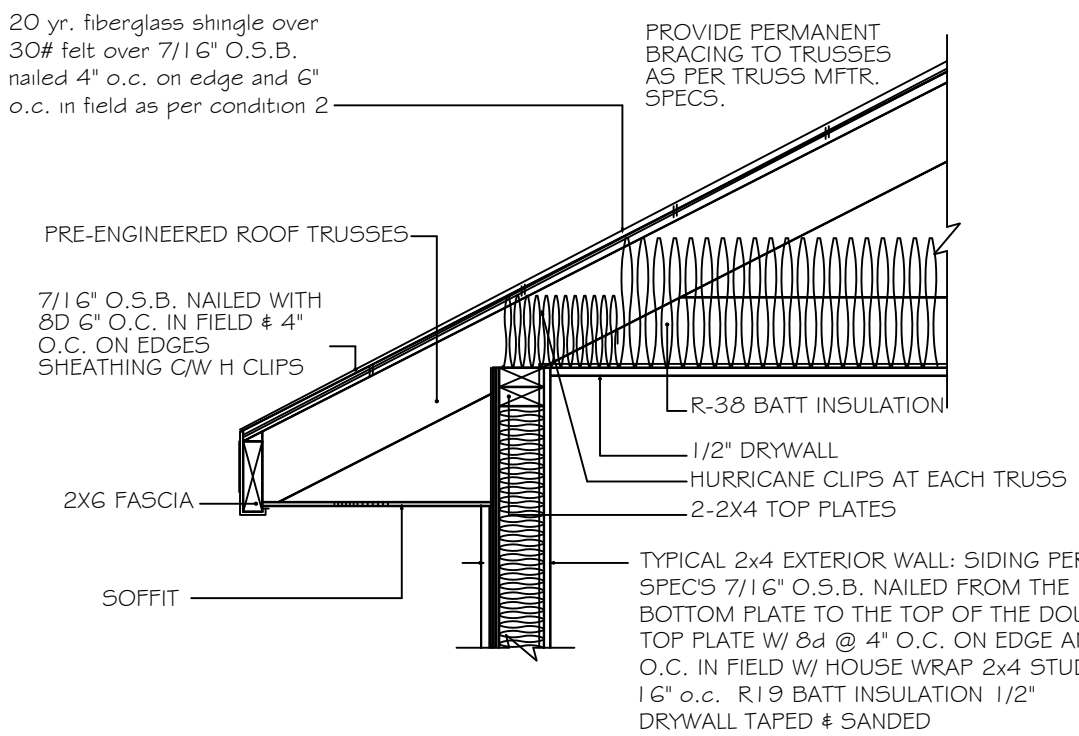
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL
CLADDING

DESIGN SPECIFICATIONS

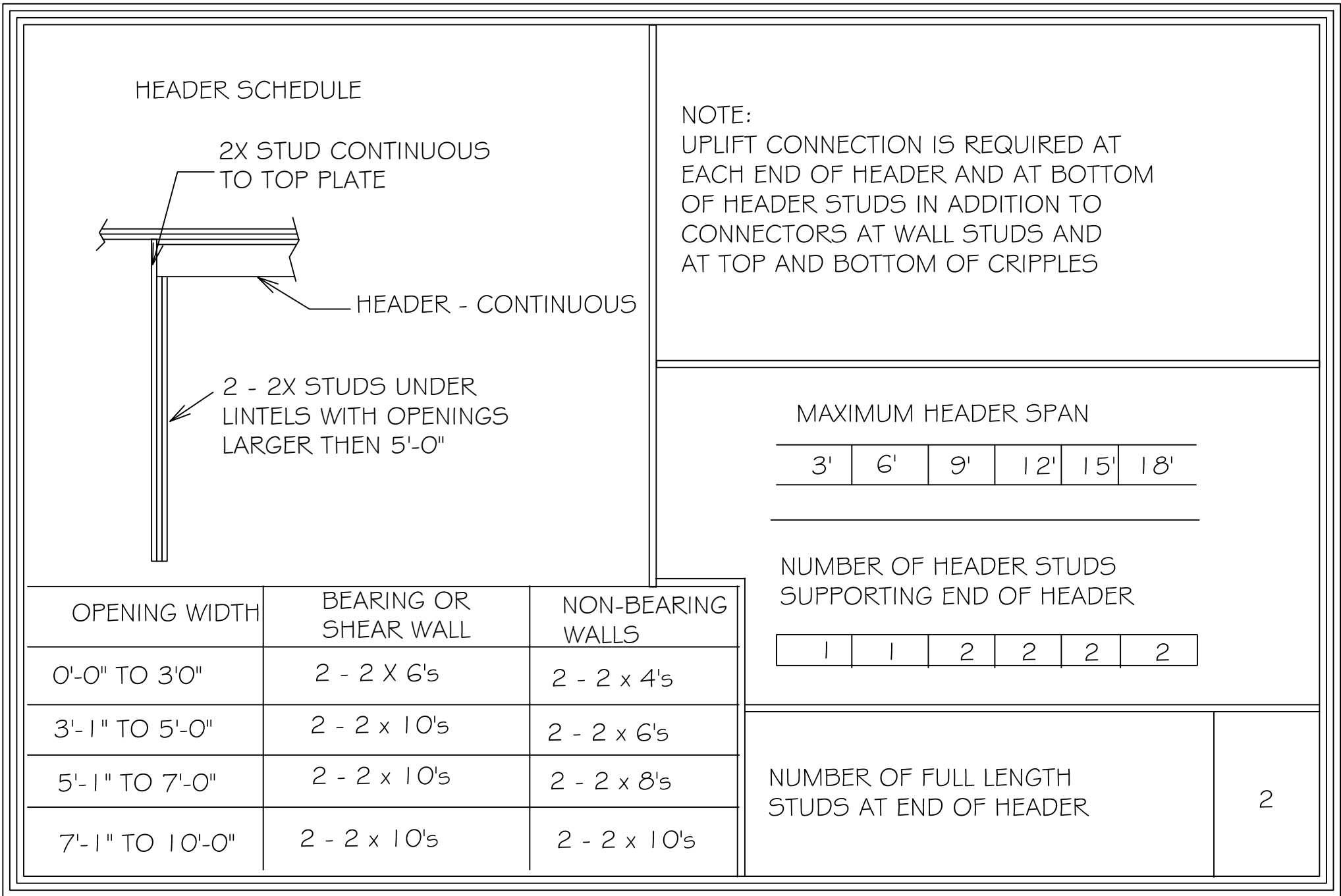
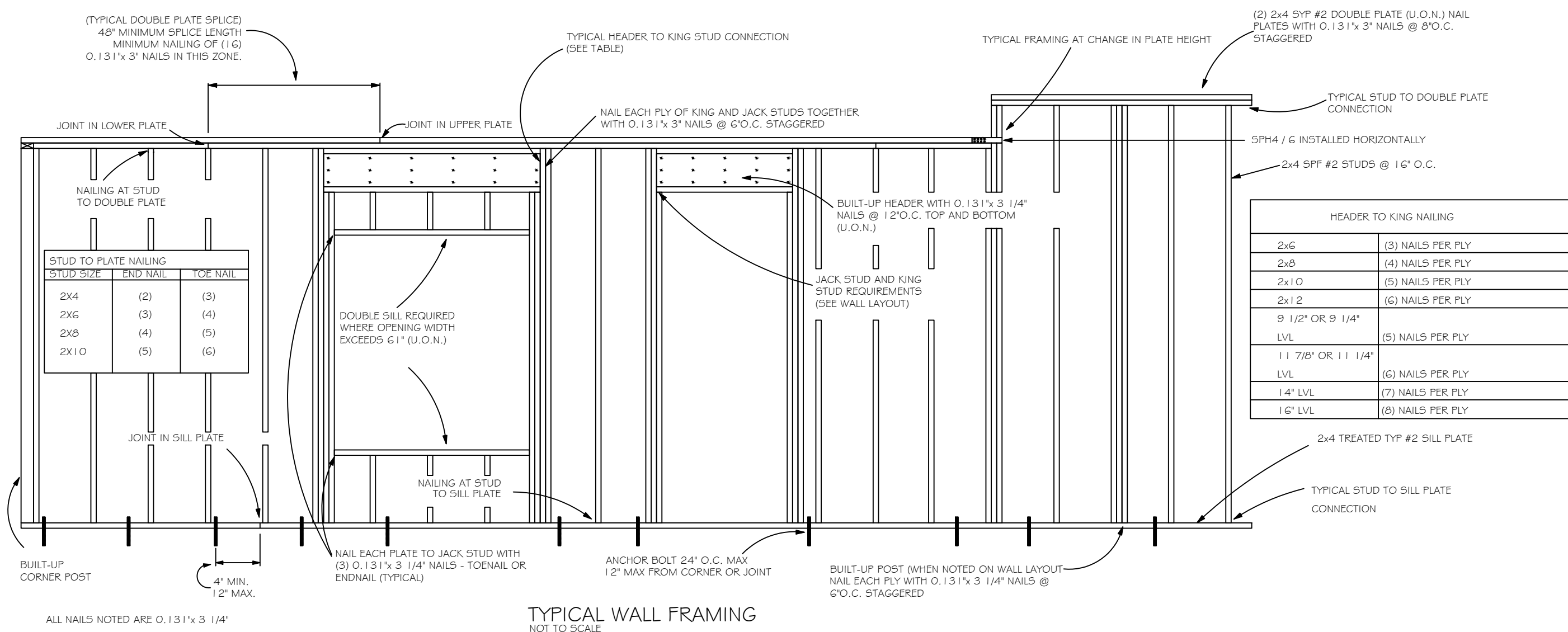
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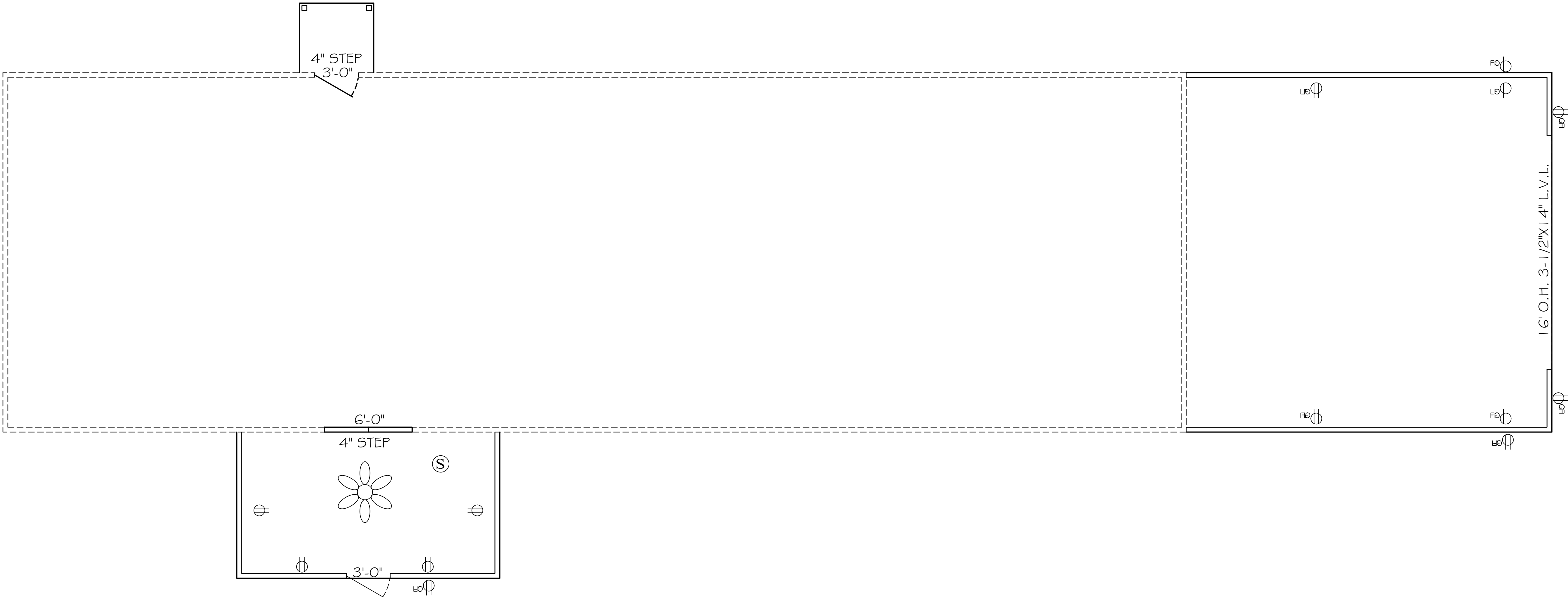


"AA" Windboard wall detail



4" STUD EAVE





LEGEND

- ⊕ DUPLEX WALL RECEPTACLE
- ⊕^W GFI DUPLEX WALL RECEPTACLE
- \$ SPST WALL SWITCH
- ⬆️ LIGHT
- ⊕ PENDENT LIGHT
- ⊕ UNDER-CABINET LIGHT
- ⊕ 120V SMOKE DETECTOR
- 🌸 CEILING FAN

ELECTRICAL NOTES

ALL ELECTRICAL TO BE INSTALLED PER CURRENT NEC CODE

1. PROVIDE INTERIOR SWITCH AND EXTERIOR LIGHT IN THE VICINITY OF ALL EXTERIOR DOORS.
2. PROVIDE RECEPTACLE OUTLET 6' FROM OPENINGS, END OF WALLS AND 6' ON CENTERS.
3. PROVIDE AN OUTSIDE GFI, WATER PROTECTED RECEPTACLE NEAR EGRESS DOORS, AT AIR CONDENSER UNIT AND NEAR GARAGE DOOR OPENINGS.
4. BATHROOM RECEPTACLES TO BE GFI WITH A SEPARATE 20 AMP CIRCUIT.
5. PROVIDE SMOKE DETECTOR PER BUILDING CODE IN THE BEDROOMS AND HALLWAYS WITHIN 10' SERVING SUCH ROOMS.
6. ALL BRANCH CIRCUITS THAT SUPPLY 125 VOLT, SINGLE PHASE, 15 AND 20 AMP OUTLETS INSTALLED IN DWELLING UNIT SHALL BE PROTECTED BY AN ARC-FAULT CIRCUIT INTERRUPTER LISTED TO PROVIDE PROTECTION OF THE ENTIRE BRANCH CIRCUIT.
7. LIGHT FIXTURE IN CLOTHES CLOSET SHALL BE SURFACE-MOUNTED INCANDESCENT FIXTURE WITH COMPLETELY ENCLOSED LAMP ON THE WALL ABOVE DOOR OR ON CEILING WITH MIN. 12" CLEAR TO STORAGE AREA.
8. FLUORESCENT GENERAL LIGHTING IN BATH AND KITCHEN IS REQUIRED TO HAVE A 40 LUMENS PER WATT EFFICIENCY LAMP.
9. LIGHT FIXTURES IN TUB OR SHOWER ENCLOSURES MUST HAVE LABEL STATING "SUITABLE FOR DAMP LOCATIONS".
10. RECESSED CEILING FIXTURES MUST BE IC RATED.
11. ALL RECEPTACLES AT KITCHEN COUNTER SHALL BE GFCI. PROVIDE TWO MINIMUM SEPARATE 20 AMP CIRCUITS FOR KITCHEN APPLIANCES.
12. EACH SEPARATE KITCHEN COUNTER SPACE 12" OR WIDER SHALL HAVE A RECEPTACLE.
13. KITCHEN RECEPTACLES SHALL BE INSTALLED SO THAT NO POINT ALONG THE WALL IS MORE THAN 24" FROM A RECEPTACLE.
14. ISLAND AND PENINSULA COUNTERTOPS 12" OR WIDER SHALL HAVE A LEAST ONE RECEPTACLE FOR EACH 4' OF COUNTERTOP.
15. NOT LESS THAN 75% OF THE LAMPS IN PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL BE HIGH-EFFICIENCY LAMPS OR NOT LESS THAN 75% OF THE PERMANENTLY INSTALLED LIGHTING FIXTURES SHALL CONTAIN ONLY HIGH-EFFICIENCY LAMPS.
16. ALL CIRCUITS IN GARAGE AREA TO BE GFI RATED, 125 VOLT, SINGLE PHASE, 20 AMPERE.



This document has been digitally signed and sealed by Carol Chadwick, P.E. on the date adjacent to the seal. Printed copies of this document are not considered signed and sealed. All other signatures must be verified on any electronic copies.

DATE: APR 10, 2024	PROJECT: REED RESIDENCE	REVISION: 1
DESIGNER: JOHN & DIANA	ELECTRIC PLAN	DATE: 04/10/2024
CONTRACTOR: CAROL CHADWICK		SCALE: 1/4" = 1'
PHONE: 354-565-9961		