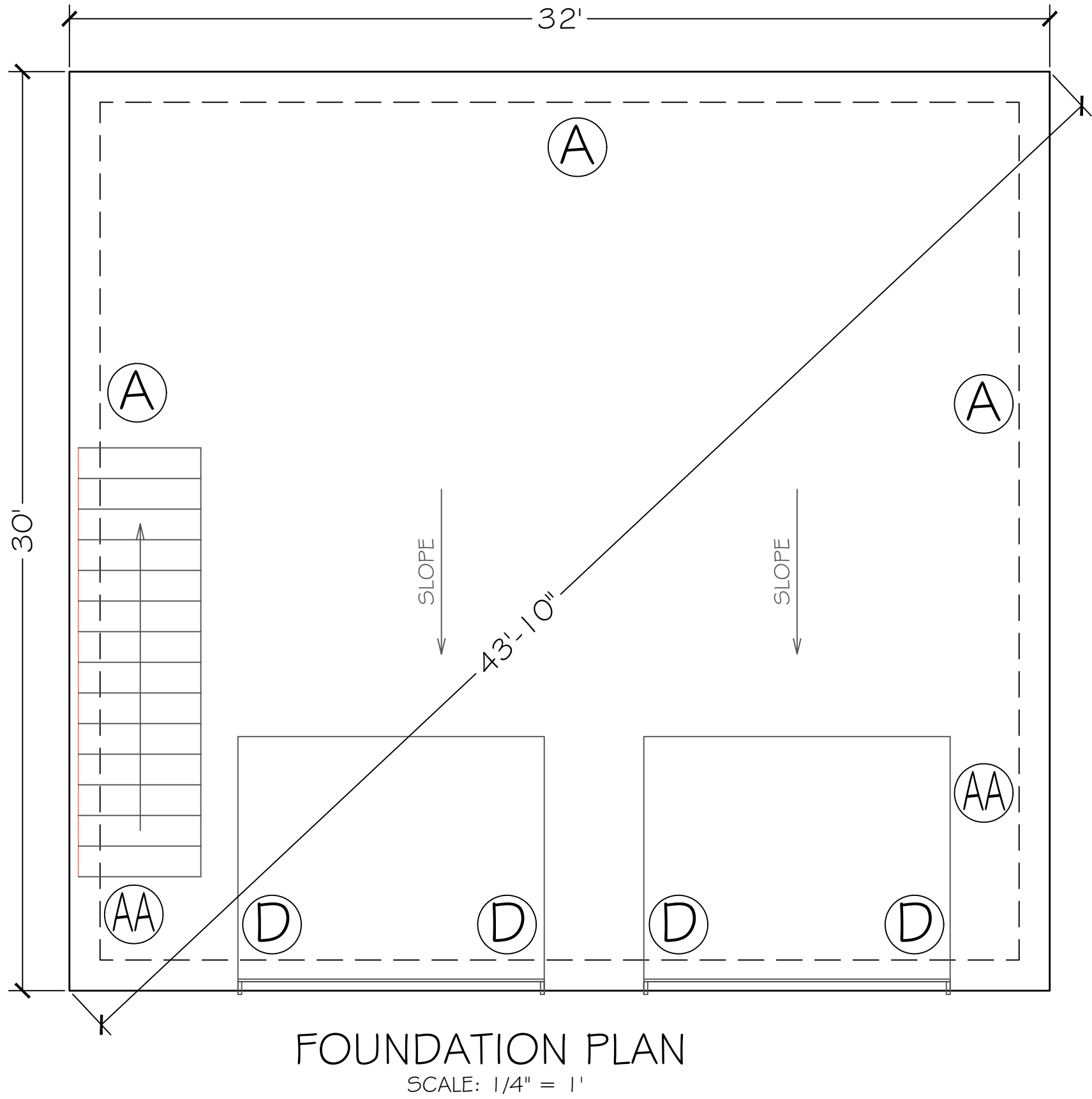
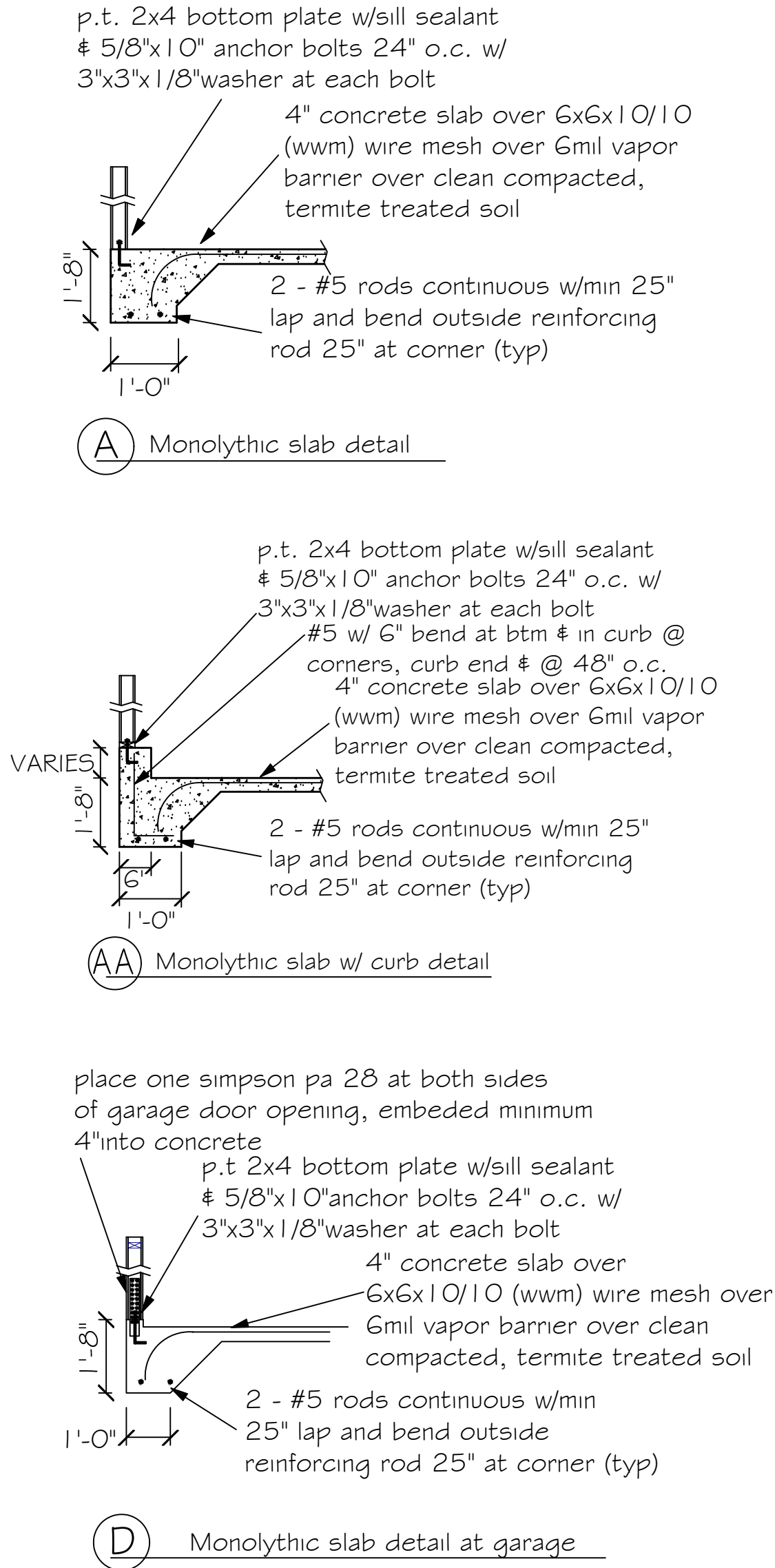


DESIGN SPECIFICATIONS

- 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 CGpi ±



FOUNDATION NOTES

- REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
- CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH OWNER PRIOR TO POURING SLAB
- THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED w/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 1/2" DEPTH OR FIBER MESH CONCRETE, 6-MIL POLY VAPOR BARRIER w/ 6" LAPS SEALED w/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL
- BOTTOM OF EXTERIOR FOOTINGS SHALL BE A MINIMUM OF 12" BELOW UNDISTURBED SOIL OR ENGINEERED FILL
- SOIL UNDER FOOTING SHALL BE COMPRESSED TO 2000 PSF AT 95% DENSITY. CONCRETE STRENGTH SHALL BE 2500 PSI.

DESIGNED FOR WHITDON CONSTRUCTION 3667547367 roger@whitdonconstruction.com		REVIEWED FOR CAROL CHADWICK, P.E. Professional Engineer No. 12500 Ex. 12500 DATE OF EXPIRATION 02/01/2026	
PROJECT MARTIN GARAGE FOUNDATION PLAN 341 SW RIDGE STREET, LAKE CITY, FL		DATE FEB. 4, 2025 REVISION S-1	

SOFFIT TABLE VENT SPECS

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

Triple 4" center vent soffit has a 1.956 sq. inches/sq. foot rating

Triple 4" full vent soffit has a 5.867 sq. inches/sq. foot rating

Triple 4" basketweave full vent has a 14.34 sq. inches/sq. foot rating

Triple 4" center vent has a 4.78 sq. inches/sq. foot rating

Beaded hidden vent soffit has 2.66 sq. inches/sq. foot rating

Triple 3-1/3" hidden vent soffit has a 9.19 sq. inches/sq. 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, 2023 FLORIDA
BUILDING CODE - RESIDENTIAL, 8TH EDITION FOR ROOF
SHEATHING NAILING ZONES

ROOF NOTES

OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIPS AND RIDGES

BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF WHEN CHIMNELS NOT INSTALLED SAME DAY.

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

DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT EAKES AND LINE

UNDERLAYMENT AT EAVES

ALL ROOF PENETRATIONS ARE PROPERLY FLASHED W/ FLASHING OF
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

nailing of felt underlayment shall be hot dipped galv. roofing
nails x 1" in length w/ tin or plastic tabs of 1" min. nom. dia.
spacing: eaves 4" o.c., rakes 4" o.c. & all other 12" o.c.

architectural shingles installed as per manuf.
specs, 30# ASTM D226 felt underlayment
applied w/ 19" laps per table R905.1.1(1) on
 $\frac{7}{16}$ " cdx plywood or osb nailed 4" o.c. on edge
and 6" o.c. in field as per condition 2

simpson h2.5T at each truss or
as required by truss designer or
Simpson SDWC 15600

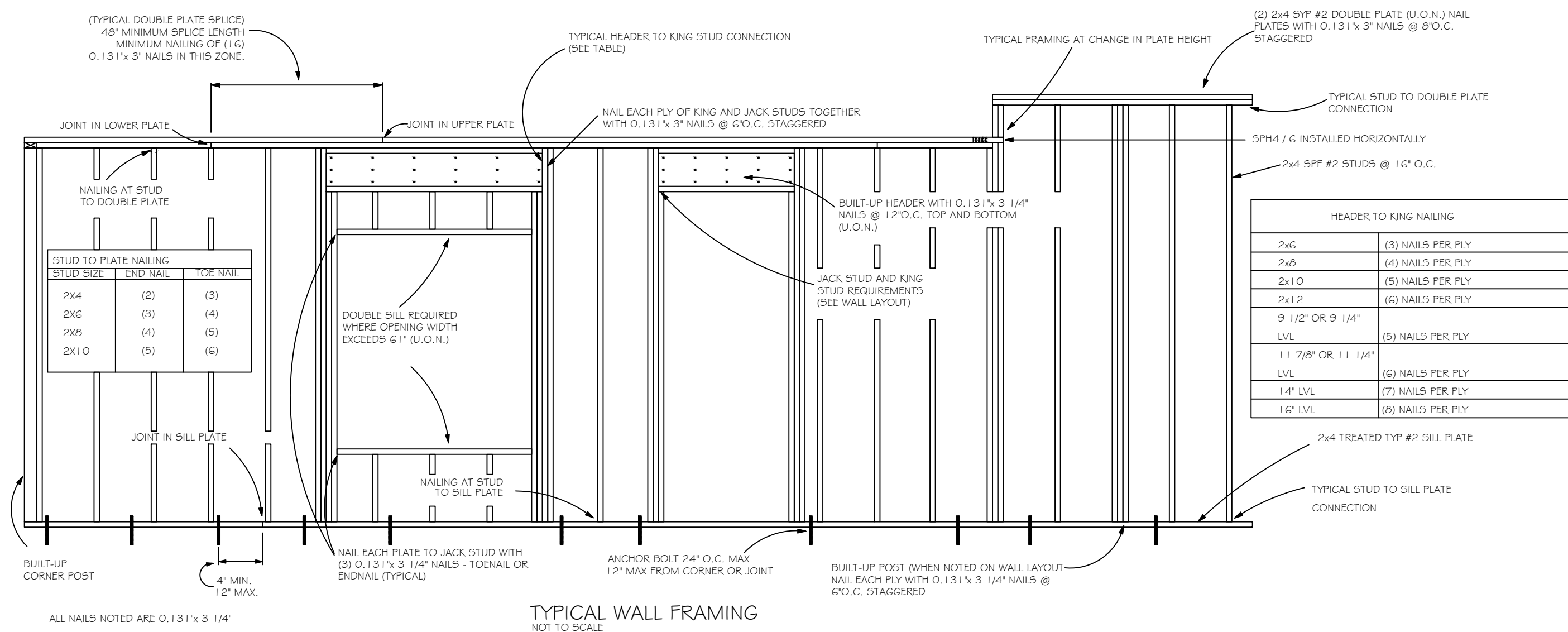
siding over vapor barrier over
7/16" Windboard O.S.B. nailed
from bottom plate to top of
double top plate with 8d @ 4"
o.c. on edge and 6" o.c. in field
as per condition 2

1 - #5 rod placed 72" O.C. up through footing into slab turned minimum 12" each way and embedded a minimum 6" into footing

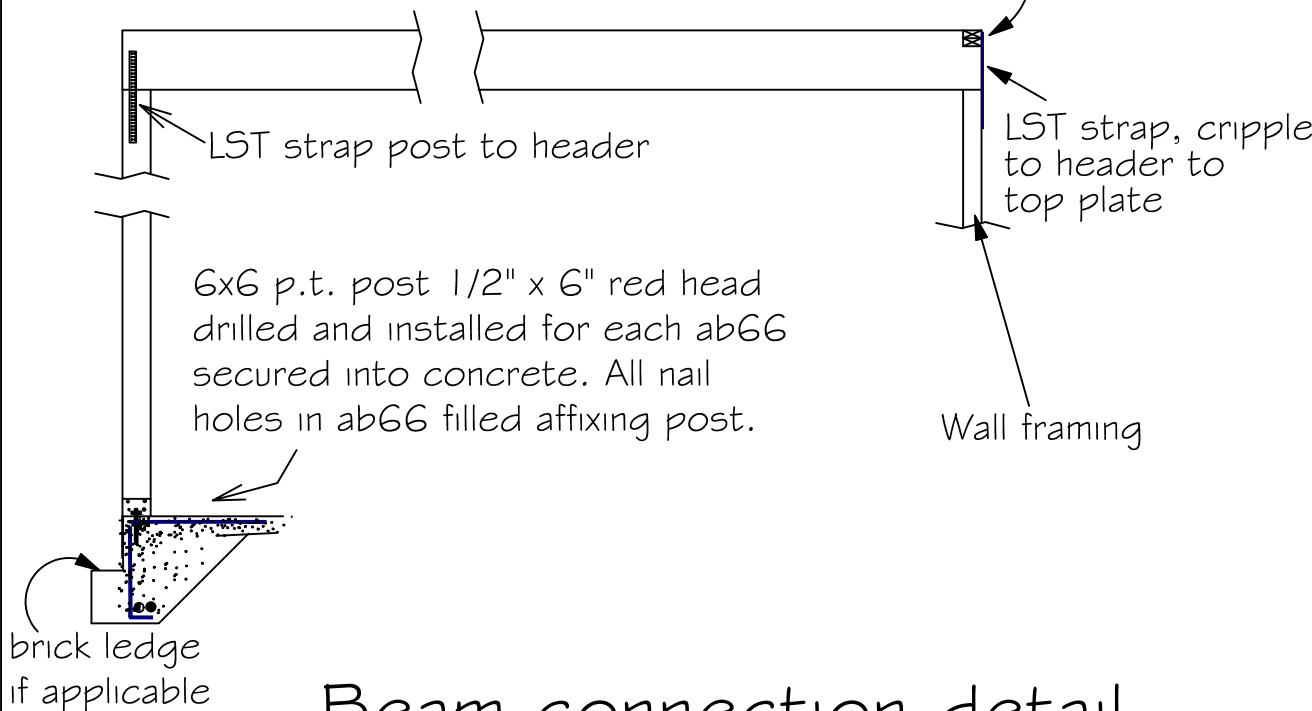
finish
grade

2 - #5 rebar continuous w/min 25" lap

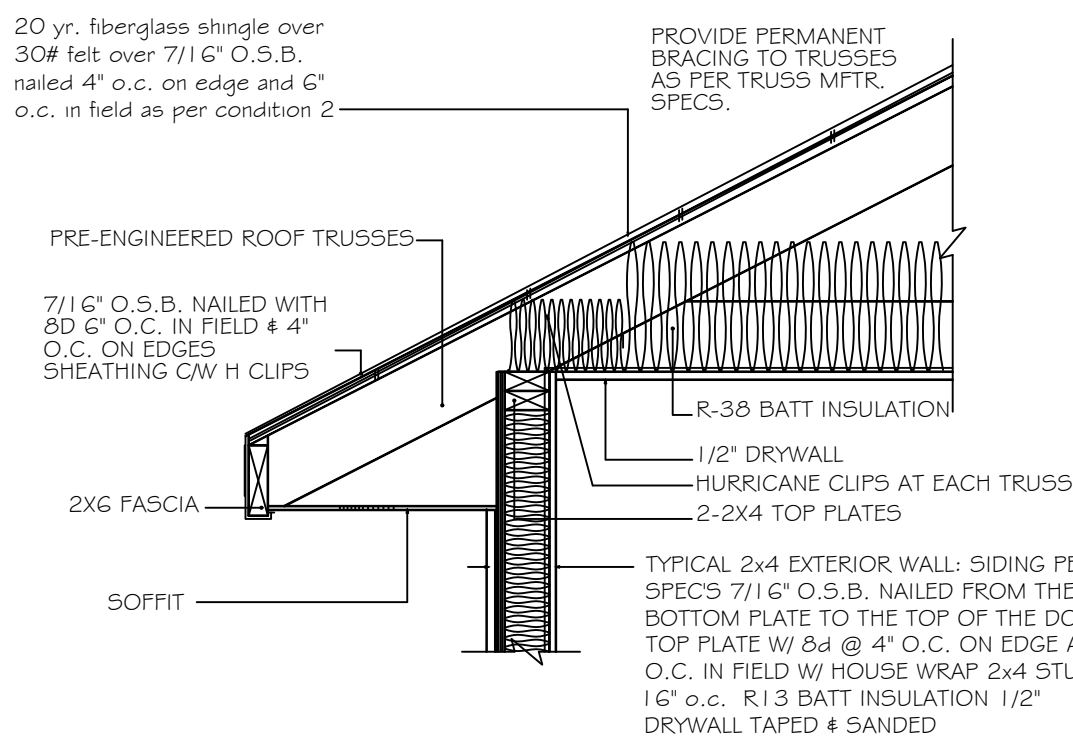
"AA") Windboard wall detail



Double 2" x 12" beam used without support posts for a maximum of 10' otherwise LVL must be used notched under double top plate with framing members under each beam. Fastened with 12d nails to top plate and framing members underneath.

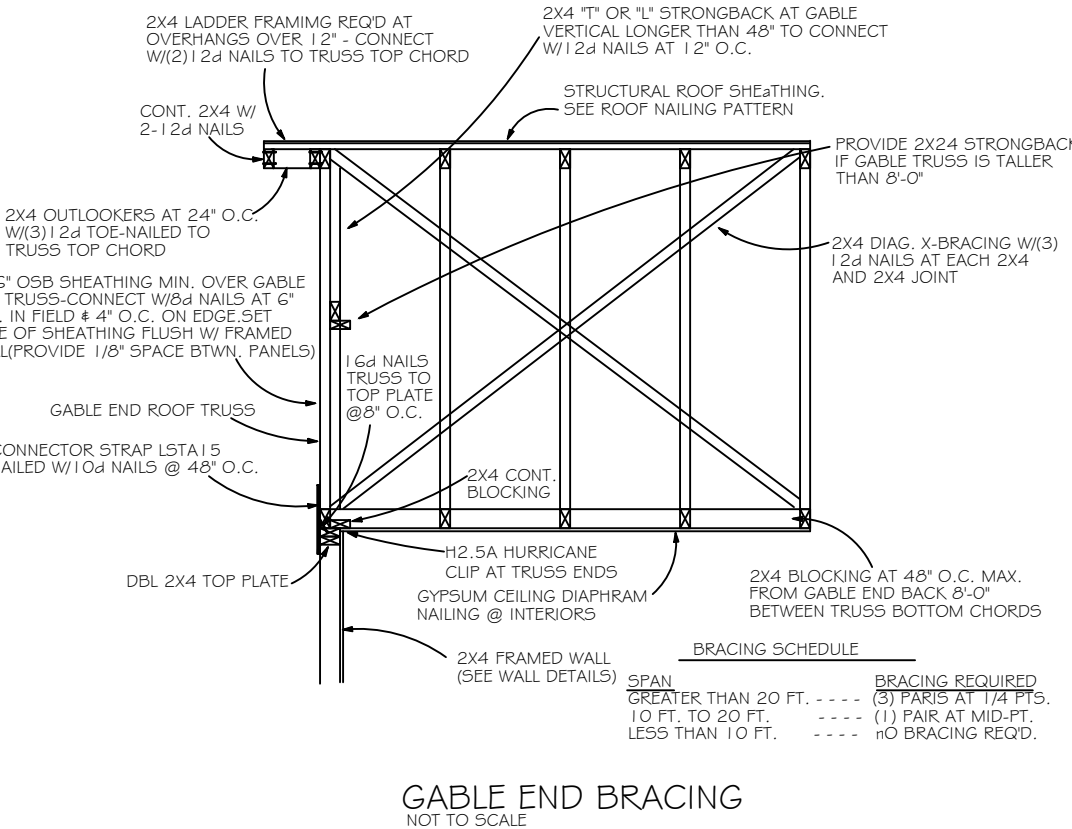


Double 1 3/4" x 11-1/4" LVL beam over opening up to 12'
Double 1 3/4" x 11-7/8" LVL beam over opening over 12' and up to 14'
Double 1 3/4" x 14" LVL beam over opening over 14' and up to 16' with 3 king
studs each end and 2 trimmers each end of beam. Fastened with 12d nails to
top plate and framing members. One PA28 at both sides of opening embedded
min 4" into concrete. LST18 strap over trimmer to header each side.

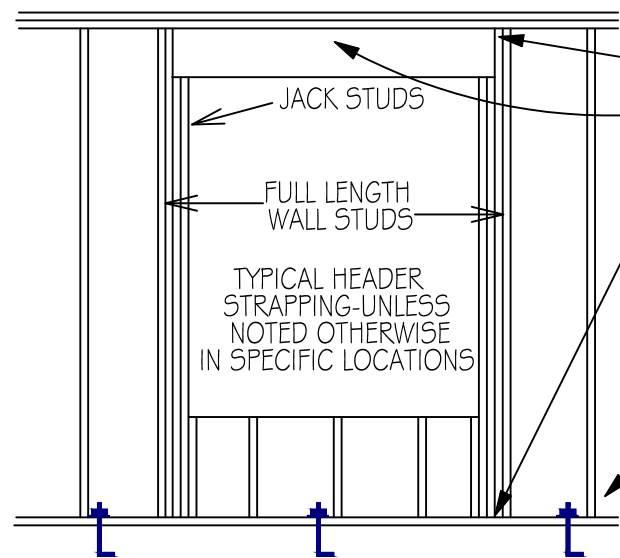


4" STUD EAVE

IF ANY DISCREPANCIES ARE FOUND IN THE PLANS, THE ENGINEERED PLANS SHALL APPLY.



SEE HEADER
SCHEDULE
FOR SIZE



ANCHOR BOLTS OR HD TITENS MAY BE
LOCATED AT EITHER SIDE OF KING
STUDS-PLATE MUST BE CONTINUOUS

ANCHOR BOLTS OR HD TITENS
JUST BE WITHIN 12" OF HEADER
JOISTS AND BREAKS IN P.T. PLATE
ON INSIDE SIDE AND WITHIN 12" OF END
OF FA-3 AT 24" O.C.

UPLIFT CONNECTIONS REQUIRED AT POINT "A" (TOP & BOTTOM OF CRIPPLES) UPLIFT LOAD PER FRAMING MEMBER ABOVE THE HEADER MULTIPLIED BY THE NUMBER OF FRAMING MEMBERS DIVIDED BY TWO

SDWC HEADER STRAPPING (TYPICAL)

