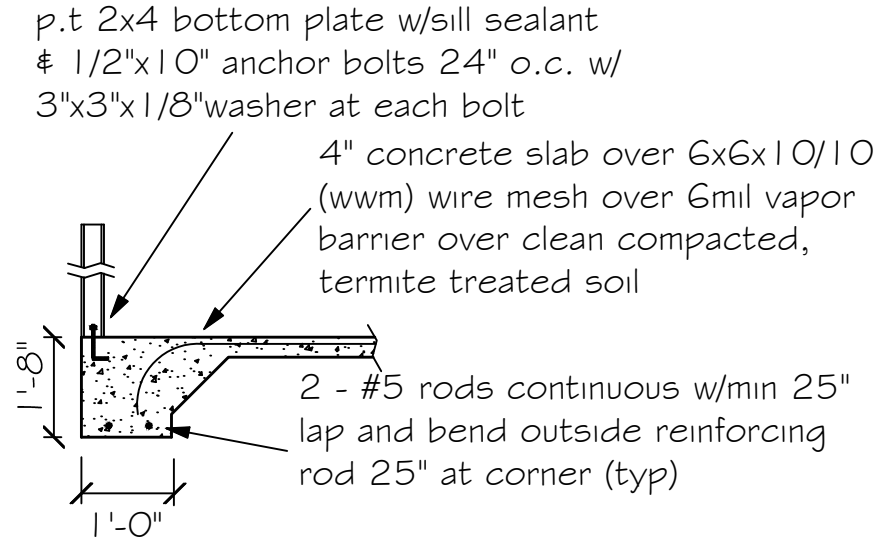
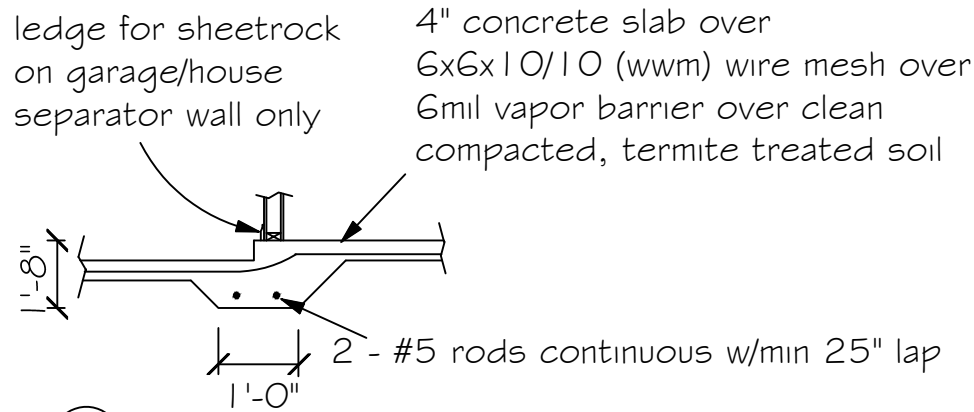


DESIGN SPECIFICATIONS

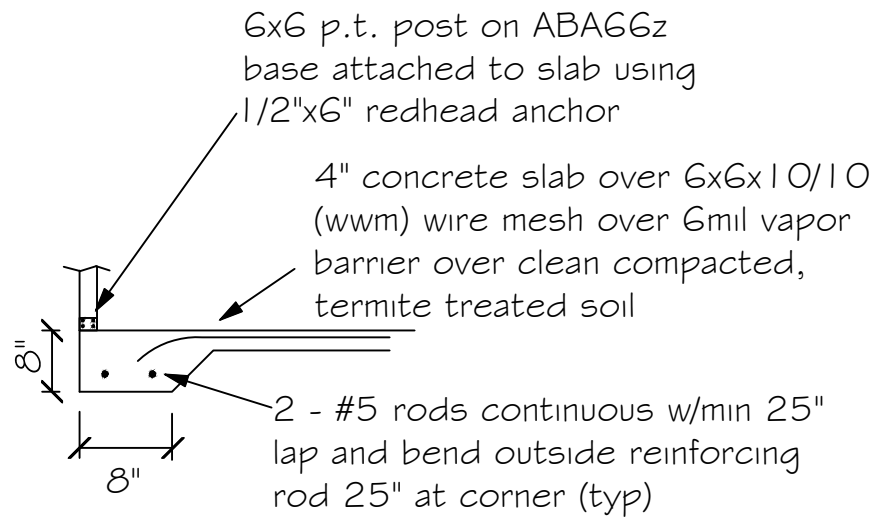
- DESIGN CODES:
2023 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS)
- DESIGN LOADS:
ROOF CONVENTIONAL FRAMING:
LL 20 PSF RAFTERS
LL 20 PSF CEILING JOISTS
DL 10 PSF RAFTERS
DL 10 PSF CEILING JOISTS
DL 30 PSF ATTICS WITH STORAGE
DL 10 PSF ATTICS 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 ±



(A) Monolithic slab detail

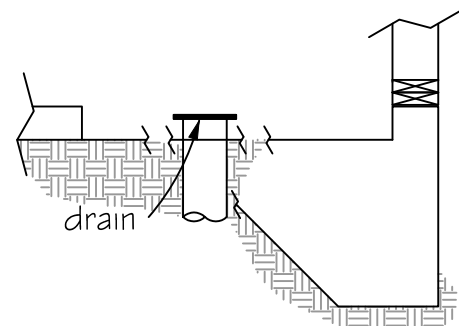


(B) Load bearing step foundation (typ)



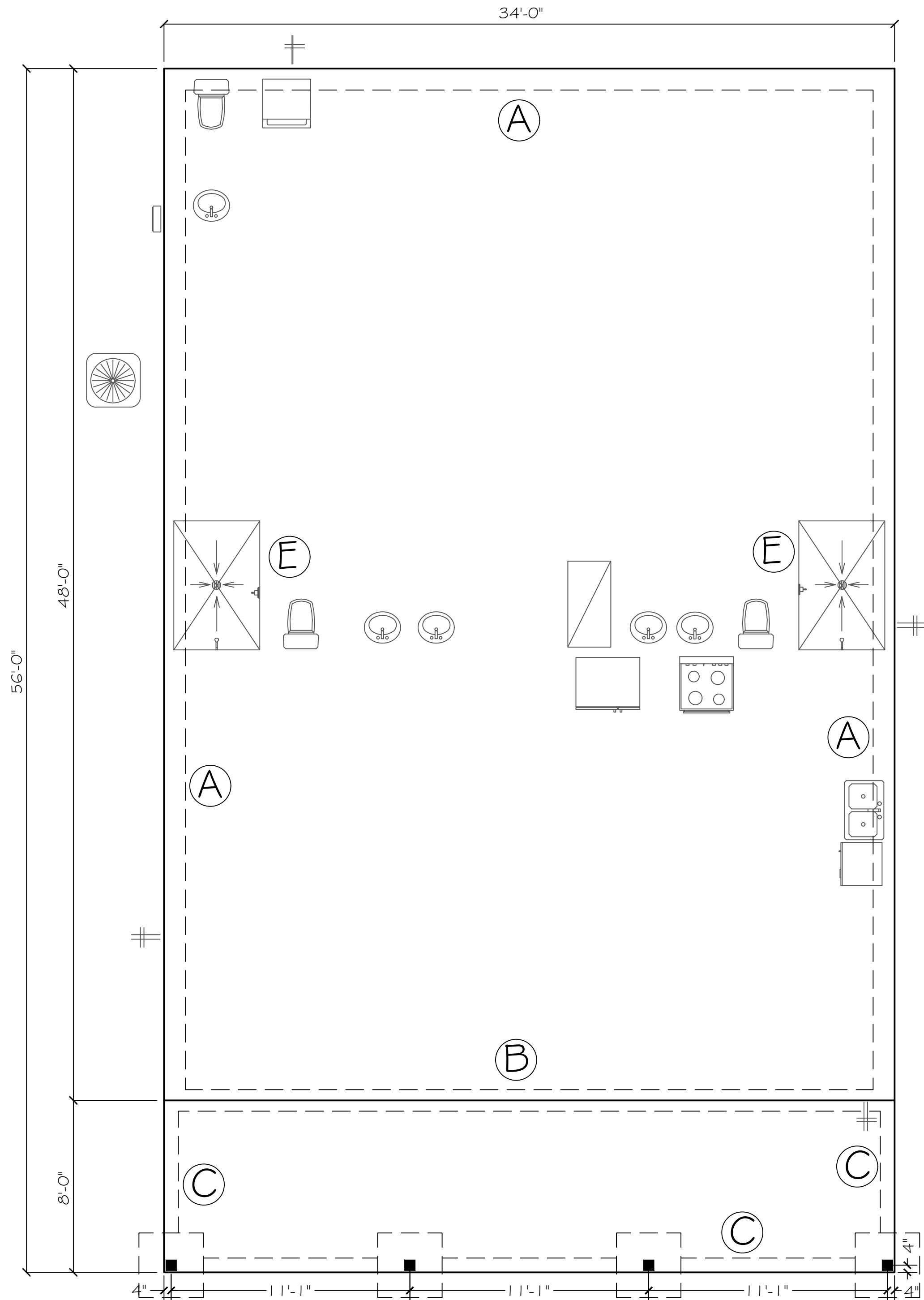
FOOTING AT POSTS:
3'-0" x 3'-0" x 1'-0" depth with 3 - #5 bars each way at bottom w/ 6x6 p.t. post on ABAGGz base attached to slab using 1/2"x6" redhead anchor

(C) Monolithic slab detail at porch/carport



Shower floor recess left earthen to be hard packed after in prep for tile application

(E) Recessed Shower Detail



FOUNDATION PLAN
SCALE: 1/4" = 1'

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.

Digitally signed by Carol Chadwick
DN: c=US, o=Florida, dnQualifier=A014100000018046384E7500032FEE, cn=Carol Chadwick
Date: 2024.06.05 12:19:30 -04'00'

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

TYRE RESIDENCE FOUNDATION PLAN 1364 SW JARVIS AVENUE, LAKE CITY, FL	REVISIONS DATE BY REVISION	DESIGNED FOR NICHOLAS & SAMANTHA TYRE nctyre@gmail.com	CAD CAROL CHADWICK P.E. FLORIDA REGISTERED PROFESSIONAL ENGINEER No. 15890 DATE OF EXPIRATION 12/31/2025
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ROOF VENT CALCULATION						
FORMULA						
1 SQUARE INCH FOR EVERY 300 SQUARE INCHES OF CEILING 144 SQUARE INCHES = 1 SQUARE FOOT BUILDING CEILING (50 FT) x 144 = BUILDING (SQ IN) BUILDING (SQ IN) / 300 = SQ IN OF VENT REQUIRED SQ 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/ 36 SQ IN (IN/VA) PER LINEAL FT (b) SOFFIT VENTS - 2" T3-1/3" FULL VENT PERFORATED W/ 9.19 SQ IN (IN/VA) PER LINEAL FT CALCULATED UNLSA FOOT OF SOFFIT VENT SHALL NOT INCLUDE NON-VENTED FIRE RATED SOFFIT LOCATED LESS THAN 9' FROM PROPERTY LINE						
AREA (SQ FT)	REQUIRED (SQ FT)	VENTS (SQ IN)	PROVIDED (SQ IN)	LINEAL (FT)	LOW (SQ IN)	
SOFFIT TABLE VENT SPECS						
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 14.34 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 9.19 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 ROOFING UNDERLAYMENT 4"(MIN) OVER HIPs AND RIDGES

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

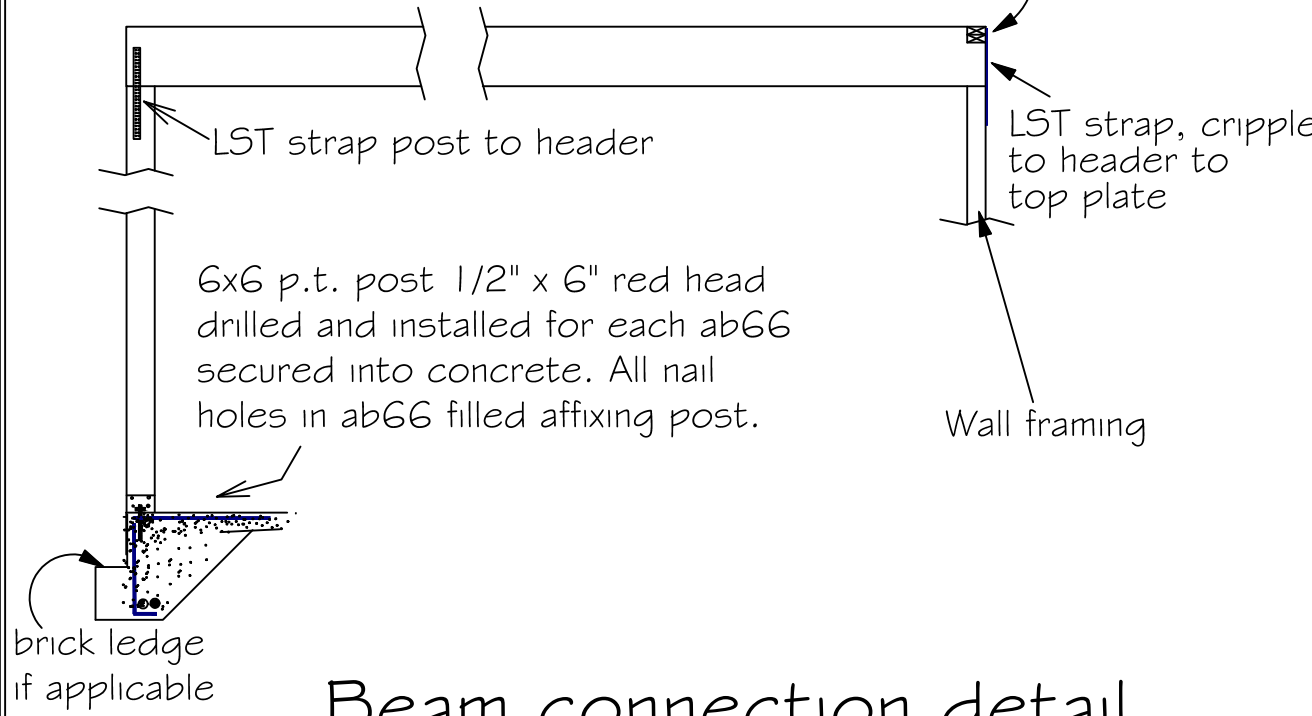
DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE
UNDERLAYMENT AT EAVES

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

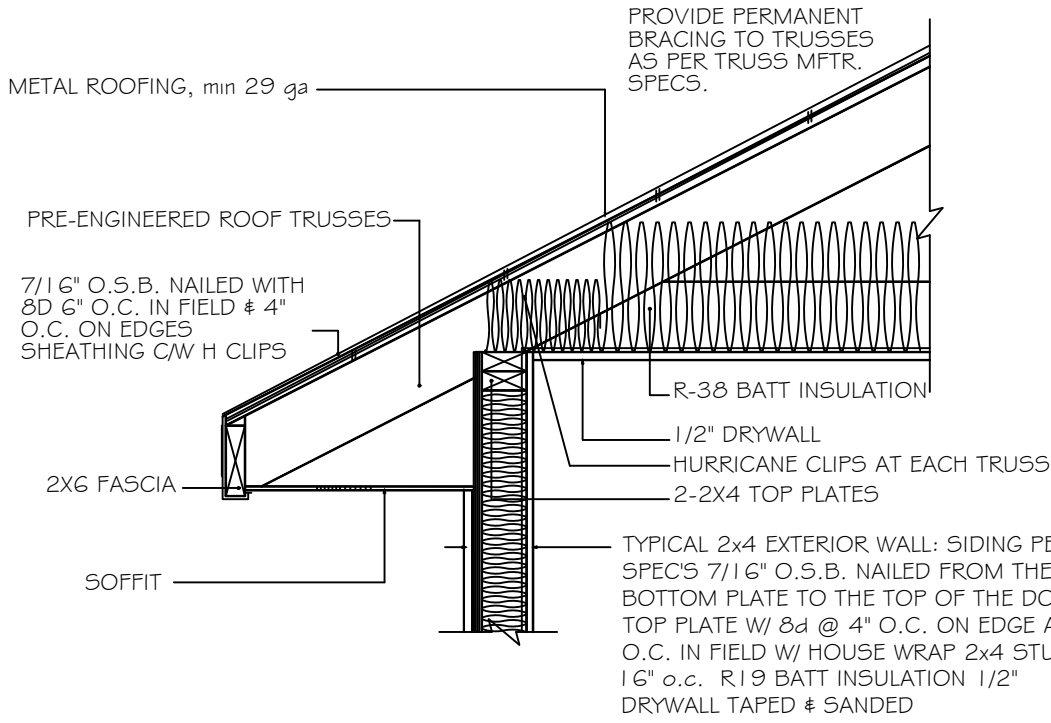
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL
CLADDING

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.

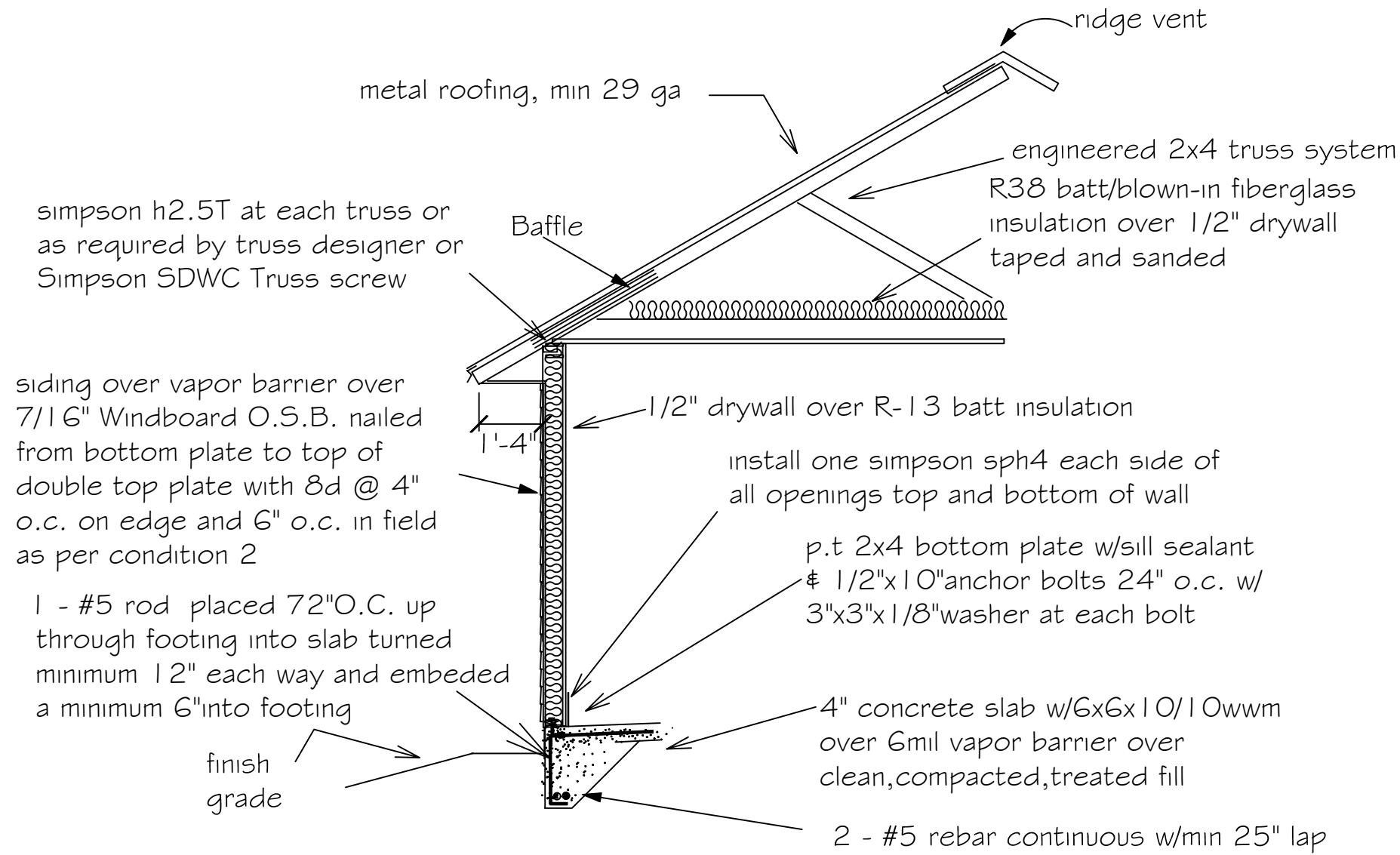


Beam connection detail

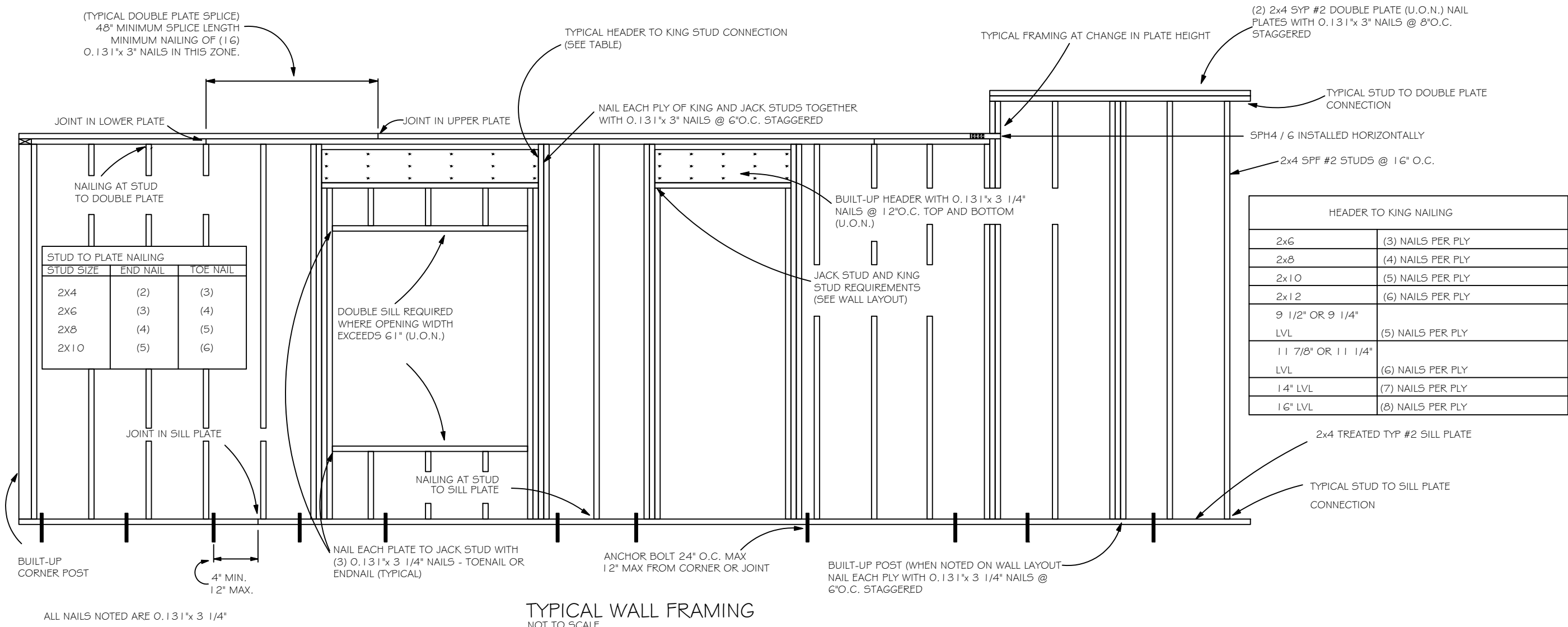
Double 1 3/4" x 11-1/4" LVL beam over opening up to 12'
Double 1 3/4" x 11-7/8" LVL beam over opening over 12' and up to 14'
Double 1 3/4" x 14" LVL beam over opening over 14' and up to 16' with 3 king
studs each end and 2 trimmers each end of beam. Fastened with 12d nails to
top plate and framing members. One PA28 at both sides of opening embedded
min 4" into concrete. LST 18 strap over trimmer to header each side.



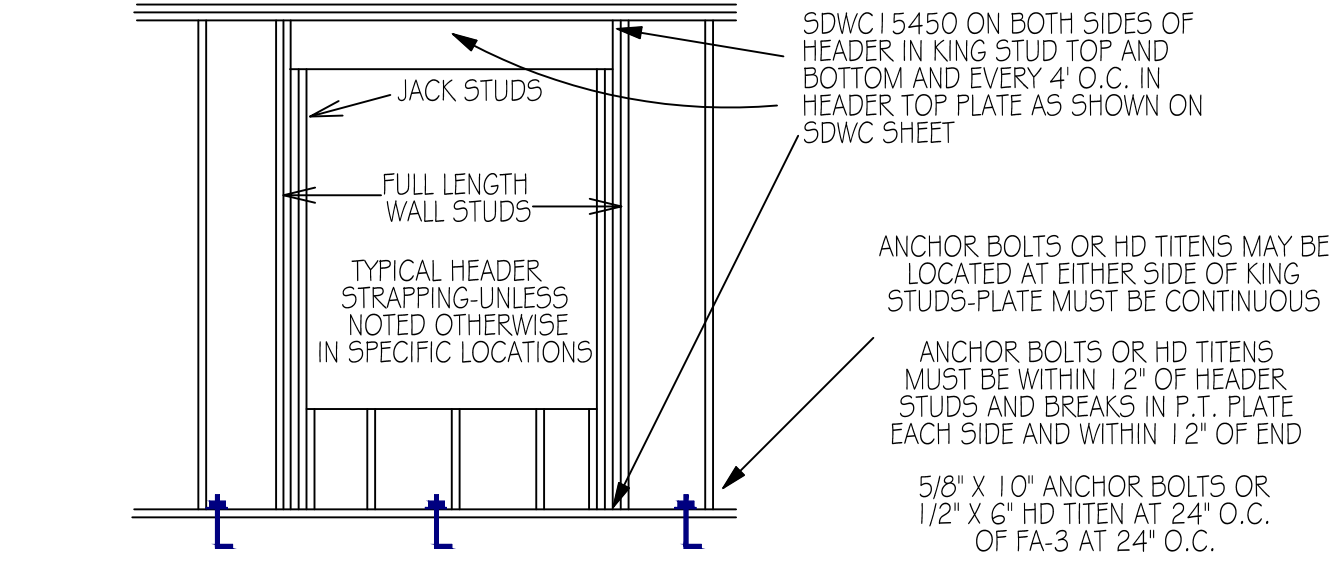
4" STUD EAVE



"AA" Windboard wall detail



HEADER SCHEDULE			NOTE: UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS AND AT TOP AND BOTTOM OF CRIPPLES	
OPENING WIDTH	BEARING OR SHEAR WALL	NON-BEARING WALLS		
0'-0" TO 3'-0"	2 - 2 X 6's	2 - 2 x 4's	NUMBER OF FULL LENGTH STUDS AT END OF HEADER	
3'-1" TO 5'-0"	2 - 2 x 10's	2 - 2 x 6's		
5'-1" TO 7'-0"	2 - 2 x 10's	2 - 2 x 8's		
7'-1" TO 10'-0"	2 - 2 x 10's	2 - 2 x 10's		



SDWC HEADER STRAPPING (TYPICAL)