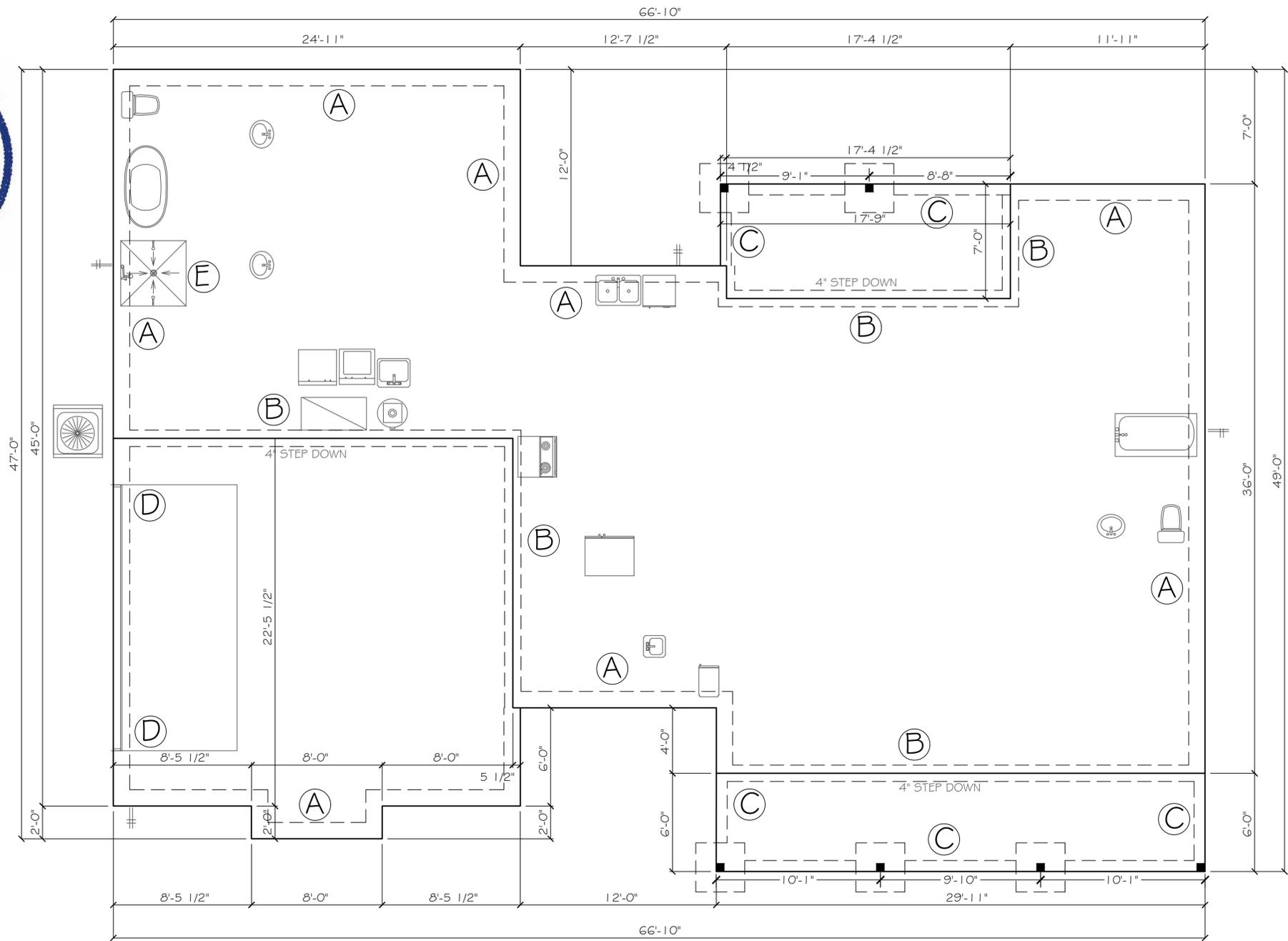


DESIGN SPECIFICATIONS

- 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-6, 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 CG_{pl} ±

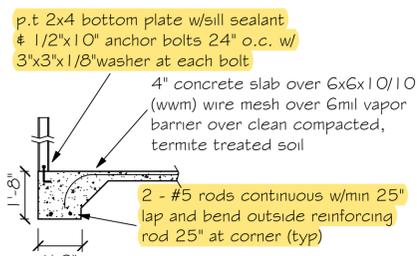


FOUNDATION NOTES

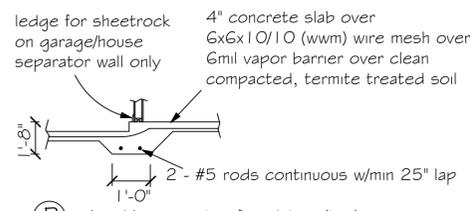
- REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
- CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH OWNER PRIOR TO POURING SLAB
- THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6X6-1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1 1/2" DEPTH OR 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.

FOUNDATION PLAN

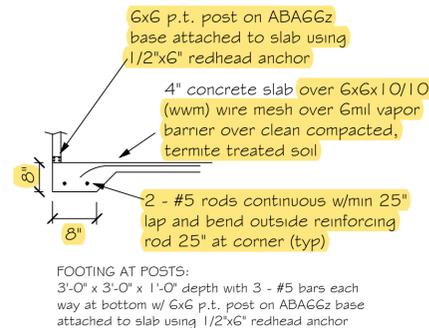
SCALE: 1/4" = 1'



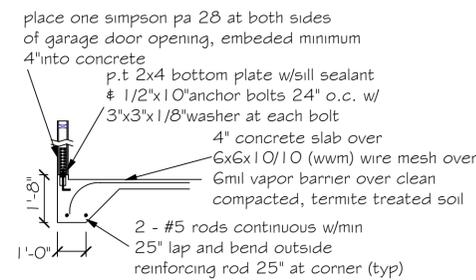
A Monolithic slab detail



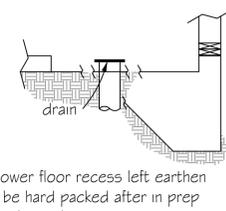
B Load bearing step foundation (typ)



C Monolithic slab detail at porch/carport



D Monolithic slab detail at garage



E Recessed Shower Detail

Digitally signed by Carol Chadwick
 DN: c=US,
 ou=Florida,
 dnQualifier=A0141
 0D0000018D46384
 E7500032FE,
 cn=Carol Chadwick
 Date: 2024.08.28
 14:56:20 -0400

PREPARED FOR:
 HAPPY HOME CONSTRUCTION
 12345 Main St.
 Lake City, FL 33709
 ah@happyhomes-construction.com

PROJECT NO.: F124274
 FOUNDATION PLAN
 3896 SW SR 247, LAKE CITY, FL

DATE: AUG 28, 2024
 SHEET: 5-1

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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 SQ IN
 BUILDING SQ IN / 300 = SQ IN OF VENT REQUIRED
 SQ IN OF VENT REQUIRED x 2 = 50% AT HIGH AND 50% AT LOW
 PER IRC SECTION R803.2.4.2.6.2. 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 (INVA) PER LINEAL FT
 (b) SOFFIT VENTS - GP T3-1/3" FULL VENT PERFORATED W/ 9.19 SQ IN
 (INVA) 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	REQUIRED	PROVIDED
(SQ FT)	(SQ FT)	(SQ FT)

SOFFIT TABLE VENT SPECS

Double 5" perforated soffits have a 6.20 sq. inches sq. foot rating
 Triple 4" center vent soffits has a 1.95 sq. inches sq. foot rating
 Triple 4" full vent soffits has a 5.627 sq. inches sq. foot rating
 Triple 4" basketweave full vent has a 1.434 sq. inches sq. foot rating
 Triple 4" center vent has a 4.79 sq. inches sq. foot rating
 Beaded hidden vent soffits has 2.66 sq. inches sq. foot rating
 Triple 3-1/2" hidden vent soffits 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" x 10" anchor
 bolts with 3"x3"x1/8" washer. Titen HD Heavy-Duty Screw Anchors shall
 be installed per manufacturer's specifications.

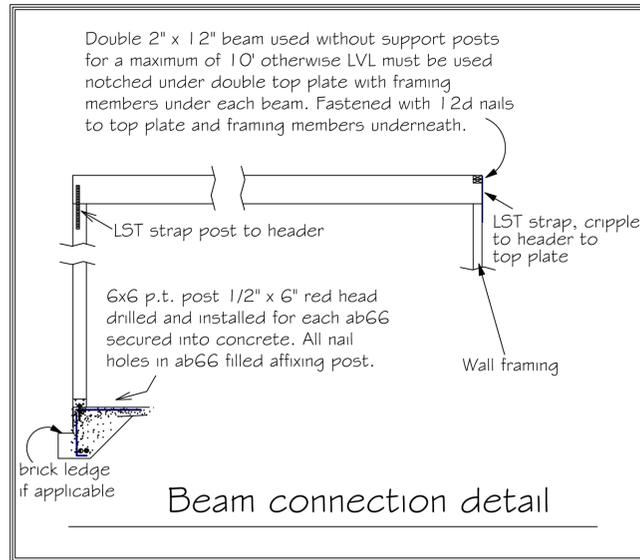
ROOF SHEATHING FASTENING

- 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)

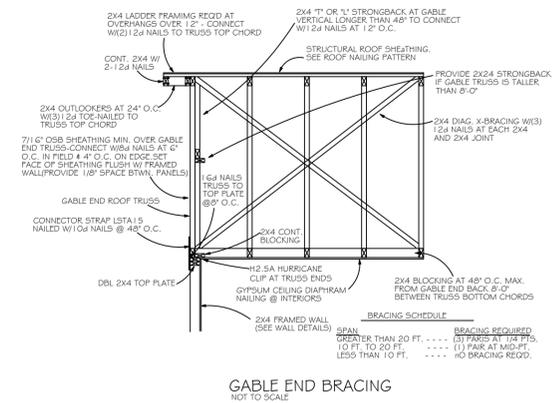
SEE FIGURE R803.2.3.1, SECTION R803.1, 2017 FLORIDA
 BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF
 SHEATHING NAILING ZONES

ROOF NOTES

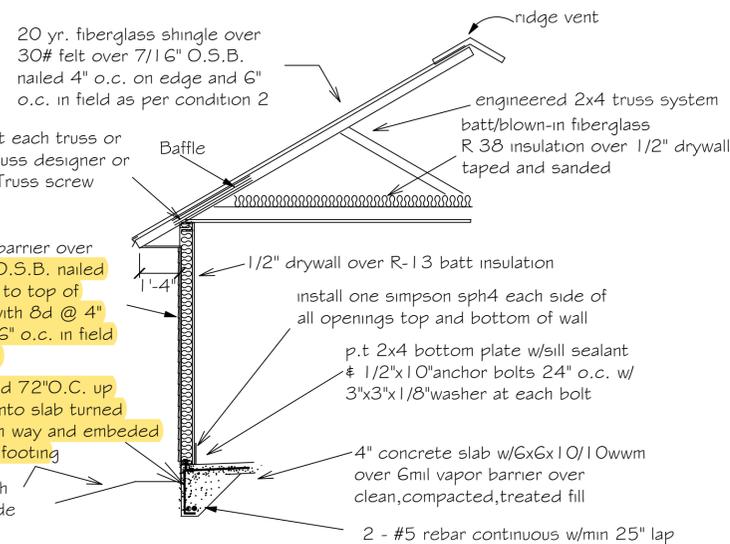
ROOF PITCH LESS THEN 4/12 DBL LAYER OF UNDERLAYMENT IS REQUIRED
 OVERLAP ROOFING UNDERLAYMENT 4"(MIN) OVER HIPs AND RIDGES
 BUTTON CAP NAILS ARE USED TO FASTEN UNDERLAYMENT TO ROOF DECK
 WHEN SHINGLES NOT INSTALLED SAME DAY
 DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT RAKES AND UNDER THE
 UNDERLAYMENT 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



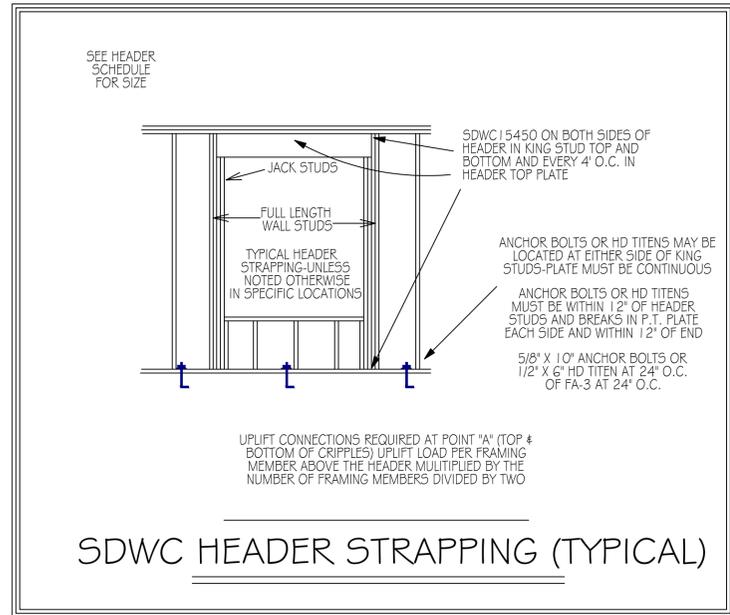
Double 1 3/4" x 11-1/4" LVL beam over opening up to 12'
 Double 1 3/4" x 11-7/8" LVL beam over opening over 12' and up to 14'
 Double 1 3/4" x 14" LVL beam over opening over 14' and up to 16' with 3 king
 studs each end and 2 trimmers each end of beam. Fastened with 12d nails to
 top plate and framing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



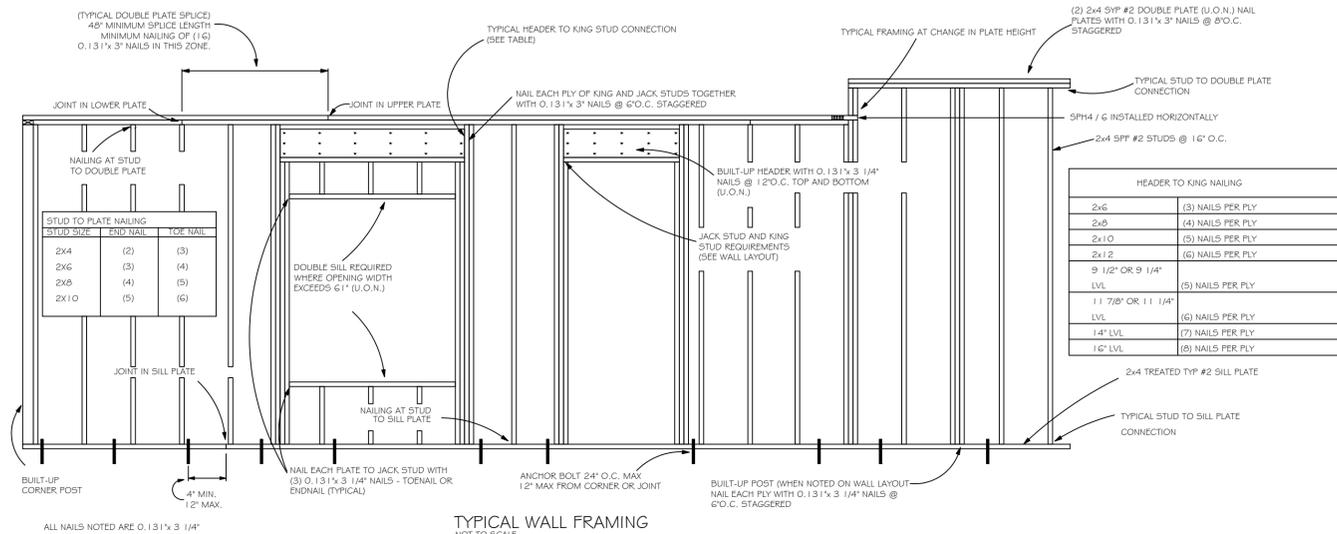
GABLE END BRACING
 NOT TO SCALE



"AA" Windboard wall detail



SDWC HEADER STRAPPING (TYPICAL)



TYPICAL WALL FRAMING
 NOT TO SCALE

HEADER SCHEDULE

2X STUD CONTINUOUS TO TOP PLATE

HEADER - CONTINUOUS

2 - 2X STUDS UNDER LINTELS WITH OPENINGS LARGER THEN 5'-0"

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
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 12's	2 - 2 X 10's

MAXIMUM HEADER SPAN
 3' 6' 9' 12' 15' 18'

NUMBER OF HEADER STUDS SUPPORTING END OF HEADER
 1 1 2 2 2

NUMBER OF FULL LENGTH STUDS AT END OF HEADER
 2

CAROL CHADWICK, P.E.
 REGISTERED PROFESSIONAL ENGINEER
 STATE OF FLORIDA
 LICENSE NO. 1224274
 EXPIRES 12/31/2024

THE CYPRESS - MODEL A
 FRAMING DETAILS
 3896 SW SR 247, LAKE CITY, FL

DATE: 08/28/2024
 DRAWING NO: 1224274
 SHEET: 5-2

Digitally signed by Carol Chadwick
 DN: cn=US, o=Florida, dnQualifier=A0141
 E=7500032PEE@carolchadwick.com, date=2024.08.28
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