DESIGN SPECIFICATIONS

- DESIGN CODES:
  2017 FLORIDA BUILDING CODE (FBC) - RESIDENTIAL
  ACCT 7-10, 2005
  NDS, 4D, ATBC, AWPA, APA, ICC 600-08
- OCCUPANCY: RESIDENTIAL GROUP R-3 (ONE- AND TWO-FAMILY DWELLINGS
- DESIGN LOADS:

  ROOF TRUSS:
  LL 20 PSF TOP CHORD
  LL 0 PSF BOTTOM CHORD
  DL 7 PSF TOP CHORD
  DL 5 PSF BOTTOM CHORD

  ROOF CONVENTIONAL FRAMING:
  LL 20 PSF RAFTERS
  LL 20 PSF CEILING JOISTS
  DL 10 PSF RAFTERS
  DL 10 PSF CEILING JOISTS
  DL 20 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
- MAXIMUM HEIGHT OF STRUCTURE:
- NUMBER OF STORIES: 1
- TYPE OF CONSTRUCTION: TYPE V-B, UNPROTECTED, UNPRIMIZED
- 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 GCpi ±

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" minimum spacing of 40" o.c., may be used in lieu of 5/8"-10" anchor bolts with 3"x3"x1/4" 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 R503.2.3.1, SECTION R503.1, 2017 FLORIDA BUILDING CODE - RESIDENTIAL, SIXTH EDITION FOR ROOF SHEATHING NAILING ZONES

ROOF NOTES

ROOF PITCH 2:12 (18.43 DEG) OR LESS, ONE LAYER OF UNDERLAYMENT IS REQUIRED

OVERLAP SHEARS UNDERLAYMENT HORIZONTALLY OVER UPS AND EDGES

BUTTON CAP NAILS ARE NOT TO BE FASTENED THROUGH WHERE NO ROOF ROOF WITH SHINGLES NOT PRE-NAILED SHALL BE

DRIP EDGE INSTALLED OVER THE UNDERLAYMENT AT EAVES AND UNDERLAYMENT AT GABLES

ALL ROOF PENETRATIONS ARE PROTECTED AND WATERTIGHT BY MEANS OF THE CORRECT SIZE FOR THE PENETRATION

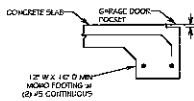
METAL ROOFING ATTACHED WITH CORRECT FASTENERS PER CODE AND MANUFACTURER'S SPECS

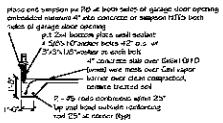
1" SPACE IS MAINTAINED BETWEEN THE END OF THE GUTTER AND THE WALL CLADDING

Double 2 3/4" x 9-1/4" LVL beam over opening up to 12' max span
Double 2 3/4" x 11-7/8" LVL beam over opening over 12' max span
Double 1 3/4" x 14" LVL beam over opening over 14' max up to 14' with 2 king studs each end and 2 trimmers each end or beam hangers with 12d nails to top plate and trimmer studs. One Plate at top plate of opening considered one 2" nominal (0.75" over all) member for header each side.

FOUNDATION NOTES

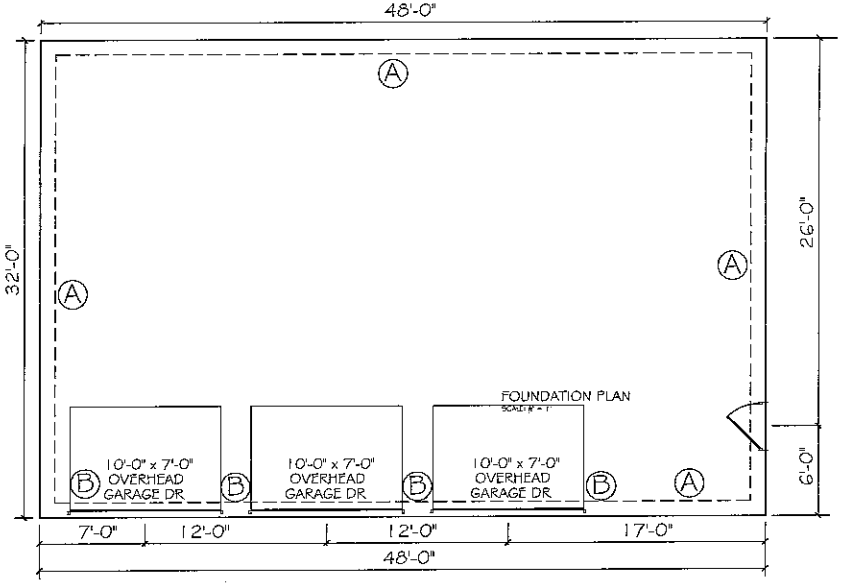
1. REFER TO ARCHITECTURAL & BUILDING PLANS FOR ACTUAL DIMENSIONS, RECESSES IN SLAB, STEP DOWNS, ETC.
2. CONTRACTOR SHALL VERIFY ALL ROUGH PLUMBING LOCATIONS WITH OWNER PRIOR TO POURING SLAB
3. THE SLAB SHALL BE 4" CONCRETE SLAB REINFORCED W/ 6x6x1.4/1.4 WELDED WIRE MESH PLACED ON CHAIRS 1" 8" DEPTH OR FIBER MESH CONCRETE. GAMIL FOLY VAPOR BARRIER, 6" 0" LAPS SEALED W/ POLY TAPE OVER TERMITE-TREATED & COMPACTED FILL
4. BOTTOM OF EXTERIOR FOOTINGS SHALL BE 4 MINIMUM OF 1.2" BELOW UNDISTURBED SOIL OR ENGINEERED FILL PER FBC-R2-R5, SECTION R403.1.4



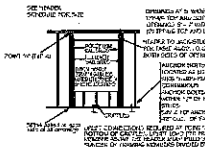


(B) Monolithic slab detail at garage

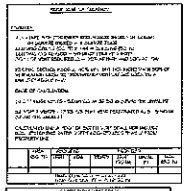
(A) Monolithic slab detail



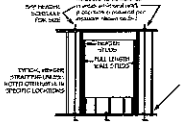
FOUNDATION PLAN
SCALE: 1/8" = 1'



TYPICAL HEADER STRAPPING
NOT TO SCALE



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



TYPICAL ALL THREAD DETAIL
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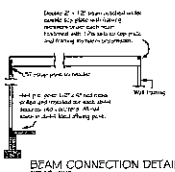

BEAM CONNECTION DETAIL
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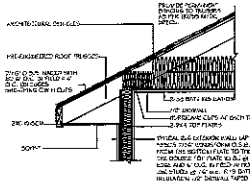
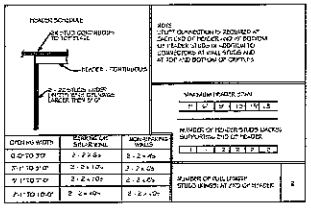
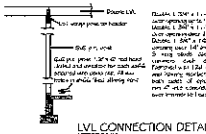


4" STUD EAVE





LVL CONNECTION DETAIL
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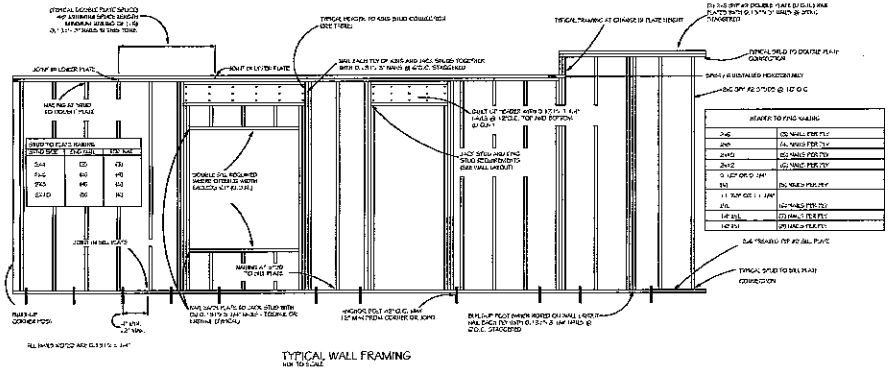
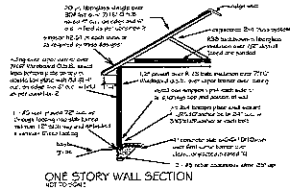


TYPICAL WALL FRAMING
NOT TO SCALE



ONE STORY WALL SECTION
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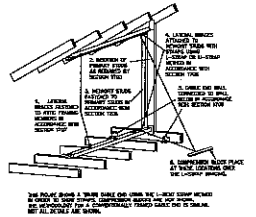

CABLE END SPACING
NOT TO SCALE

Carol Chadwick, PE
cn=Carol Chadwick, PE, o=This item has been electronically signed and sealed by Carol Chadwick, PE using a digital signature., ou, email=ccoxwy@gmail.com, c=US
2020.12.10 22:37:30 -05'00'

PROJECT	1-20223
DATE	DEC. 10, 2020
SHEET	S-1

MEN GARAGE
FOUNDATION & FRAMING DETAILS