





GENERAL NOTES

- 1 \_ THE WORD "CONTRACTOR" AS USED HEREIN SHALL MEAN THE GENERAL CONTRACTOR, SUBCONTRACTORS AND ALL PERSONS DIRECTLY OR INDIRECTLY EMPLOYED BY ANY OF THEM.
- 2 \_ CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH THE FOLLOWINGS APPLICABLE COD REQUIREMENTS:

A. ALL LAWS, STATUTES, THE MOST RECENT BUILDINGS CODES, ORDINANCES, RULES, REGULATIONS, AND LAWFUL ORDERS OF ALL PUBLIC AUTHORITIES HAVING JURISDICTION OVER OWNER, CONTRACTOR, ANY SUBCONTRACTOR, THE PROJECT, THE PROJECT SITE, THE WORK, OR THE PROSECUTION OF THE WORK.

B. THE FEDERAL OCCUPATIONAL SAFETY AND HEALTH ACT AND ALL OTHER APPLICABLE CODE REQUIREMENTS RELATING TO SAFETY.

C. THE FAIR HOUSING AMENDMENTS ACT, THE AMERICANS WITH DISABILITIES ACT, AND ALL OTHER APPLICABLE CODE REQUIREMENTS RELATING THERETO.
- 3 \_ CONTRACTOR SHALL CAREFULLY STUDY AND REVIEW THE CONSTRUCTION DOCUMENTS AND INFORMATION FURNISHED BY OWNER, AND SHALL PROMPTLY REPORT IN WRITING TO OWNER'S REPRESENTATIVE ANY ERRORS, INCONSISTENCIES, OR OMISSIONS IN THE CONSTRUCTION DOCUMENTS OR INCONSISTENCIOIS WITH APPLICABLE CODE REQUIREMENTS OBSERVED BY THE CONTRACTOR.
- 4 \_ ALL WORK TO BE IN ACCORDANCE WITH THE RULES AND REQUIREMENTS OF THE LANDLORD OR OWNER.
- 5 \_ CONTRACTOR TO SECURE ALL PERMITS, INSPECTIONS, ETC, INCLUDING CERTIFICATE OF OCCUPANCY.
- 6 \_ EACH PRIME CONTRACTOR SHALL REPLACE AND OR RESTORE ALL MATERIALS STORED OR INSTALLED ON THE SITE SUBJECT TO DAMAGE OR THEFT.
- 7 \_ CONTRACTOR TO VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD. IF A DISCREPANCY OCCURS, IMMEDIATELY NOTIFY THE P.E WAYNE GANDY, IN WRITING BEFORE PROCEEDING WITH WORK. DO NOT SCALE DRAWINGS.
- 8 \_ THE SUBCONTRACTOR SHALL CONSULT WITH THE RESPECTIVE MUNICIPAL FIRE DEPARTMENT AUTHORITIES HAVING JURISDICTION RELATIVE TO REQUIREMENTS OR FIRE EXTINGUISHER PROTECTION IN THE BUILDING AND PROVIDE AS REQUIRED.
- 9 \_ SIDEWALK SLABS SHALL BE MINIMUM 4" THICK CONCRETE WITH NON SLIP FINISH ON COMPACTED EXISTING POROUS SUBBASE OR COMPACTED POROUS FILL AS REQUIRED AND/OR RECOMMENDED BY SOILS ENGINEER. CONTROL JOINTS SHALL BE SPACED AS INDICATED IN DWG'S DOCUMENTS. SIDEWALK TO SLOPE 1/4" PER 1'-0" AWAY FROM THE BUILDING.
- 10 \_ NOTICE TO ALL SUBCONTRACTORS: EACH SUBCONTRACTOR IS EXPECTED TO REVIEW ALL CONTRACT DOCUMENTS. CHANGE ORDER REQUESTS WILL NOT BE APPROVED AS A RESULT OF FAILURE TO DO SO IF THE INFORMATION IS CONTAINED WITHIN THE CONTRACT DOCUMENTS. IT IS RECOMMENDED THAT YOUR BID NOT BE RESPONSIBILITY TO BID YOUR SCOPE OF WORK USING THE COMPLETE SET OF PLANS. SPECIFICATIONS AND ADDENDA'S ISSUED AT TIME OF THE BIDDING PROCESS.
- 11 \_ THESE DOCUMENTS, AS INSTRUMENTS OF SERVICE, ARE THE PROPERTY OF THE AVANTECH ENGINEERING SOLUTIONS, AND MAY NOT BE USED OR REPRODUCED WITHOUT EXPRESSED PRIOR WRITTEN CONSENT FROM AVANTECH ENGINEERING SOLUTIONS.
- 12 \_ GENERAL CONTRACTOR TO REMOVE DEBRIS GENERATED BY THE CONSTRUCTION FROM THE SITE.
- 13 \_ GENERAL CONTRACTOR TO PROVIDE TEMPORARY SERVICES & UTILITIES AS REQUIRED FOR THE COMPLETION OF THE PROJECT.
- 14 \_ COPIES OF ALL NECESSARY PERMITS AND BUILDING DEPARTAMENT APPROVED DRAWINGS SHALL BE AVAILABLE ON PROJECT SITE.
- 15 \_ IT IS THE INTENT OF THE ENGINEER THAT ALL THIS WORK TO BE IN CONFORMANCE WITH ALL THE RULES AND REGULATIONS OF THE BUILDING AUTHORITIES HAVING JURISDICTION OVER THIS TYPE OF CONSTRUCTION AND OCCUPANCY.
- 16 \_ IF CONTRACTOR PERFORMS WORK WHICH HE KNOWS OR SHOULD KNOW IS CONTRATRY TO APPLICABLE CODE REQUIREMENTS, WHITOUT THE AGREEMENT OF OWNER, CONTRACTOR SHALL BE RESPONSIBLE FOR SUCH WORK AND SHALL BEAR THE RESULTANT LOSSES, INCLUDING, WITHOUT LIMITATION, THE COSTS OF CORRECTING DEFECTIVE WORK.
- 17 \_ ALL EQUIPEMENT AND MATERIALS FURNISHED AND INSTALLED UNDER THESE PLANS SHALL BE GUARANTEED BY THE CONTRACTOR FOR A PERIOD OF ONE YEAR FROM THE DATE OF ACCEPTANCE OF THE WORK BY OWNER UNLESS STIPULATED OTHERWISE.
- 18 \_ ALL TRADE NAMES AND BRAND NAMES CONTAINED HEREIN ESTABLISH QUALITY STANDARDS. SUBSTITUTIONS ARE PERMITTED, WITH PRIOR APPROVAL BY THE OWNER'S REPRESENTATIVE. THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECTS AND BUILDER'S APPROVAL ALL MATERIALS OR EQUIPMENT WHICH IS CONSIDERED "OR EQUAL" TO THAT SPECIFIED.
- 19 \_ ALL STANDARD NOTES CONTAINED HEREIN ARE TYPICAL UNLESS NOTED OTHERWISE.
- 20 \_ TYPICAL DETAILS AND SPECIFICATIONS ARE MINIMUM REQUIREMENTS TO BE USED WHEN CONDITIONS ARE NOT SHOWN OTHERWISE.
- 21 \_ SEE ARCHITECTURAL, STRUCTURAL, ELECTRICAL, AND MECHANICAL DRAWINGS FOR PITS, TRENCHES, ROOF OPENINGS, DEPRESSIONS, ETC. NOT SHOWN ON THE OTHER DRAWINGS

SITE WORK

- 1 \_ CONTRACTOR SHALL INVESTIGATE SITE DURING CLEARING AND EARTHWORK OPERATIONS FOR FILLED EXCAVATIONS OR BURIED STRUCTURES SUCH AS CESSPOOLS, CISTERNS, FOUNDATIONS, ETC, AND BURIED ARTIFACTS SUCH AS INDIAN OR DINOSAUR BONES. IF ANY SUCH ITEMS ARE FOUND THE ARCHITECT, CIVIL ENGINEER AND SOILS ENGINEER SHALL BE NOTIFIED IMMEDIATELY.
- 2 \_ CONTRACTOR SHALL TAKE ALL NECESSARY MEASURES TO FULLY PROTECT ADJACENT PROPERTIES.
- 3 \_ REFER TO THE SOILS REPORT AS PREPARED BY THE GEOTECHNICAL ENGINEER.
- 4 \_ REFER TO CIVIL ENGINEERS CURRENT GRADING AND PLOT PLANS.
- 5 \_ REFER TO THE ENGINEERS CURRENT GRADING PLAN AND CONSTRUCTION DOCUMENTS.
- 6 \_ ALL FOOTINGS SHALL REST ON FIRM NATURAL SOIL OR APPROVED COMPACTED FILL. REFER TO GEOTECHNICAL REPORT.
- 7 \_ EXCAVATIONS FOR FOOTINGS SHALL BE MADE TO THE WIDTH, LENGTH, AND DEPTH REQUIRED AND FINISHED WITH LEVEL BOTTOMS.
- 8 \_ EXCAVATIONS SHALL BE KEPT FREE OF STANDING WATER.
- 9 \_ ALL FINISH GRADES TO DRAIN AWAY FROM THE BUILDING FOOTINGS.
- 10 \_ THERE SHALL BE NO ON-SITE WATER RETENTION.
- 11 \_ THERE SHALL BE NO DRAINAGE TO ADJACENT PROPERTY, UNLESS SPECIFIED BY GRADING PLAN

MASONRY WORK, GENERAL

(F.B.C.-R. R606, R703.7)

- 1 \_ BUILDING STRUCTURES LOCATED WITHIN THE HVHZ SHALL COMPLY WITH THE PROVISIONS OF F.B.C.-R. CHAPTER 44
- 2 \_ ANCHORED MASONRY VENEER SHALL COMPLY WITH THE PROVISIONS OF F.B.C.-R. R703.8
- 3 \_ STONE VENEER UNITS NOT EXCEEDING 10 INCHES IN THICKNESS SHALL BE ANCHORED DIRECTLY TO MASONRY, CONCRETE OR TO STUD CONSTRUCTION BY ONE OF THE APPROVED METHODS LISTED IN F.B.C.-R. R703.7 AND R703.8
- 4 \_ ALL MORTAR JOINTS FOR HOLLOW UNIT MASONRY SHALL EXTEND THE FULL WIDTH OF FACE SHELLS. MORTAR JOINTS FOR SOLID MASONRY SHALL BE FULL HEAD AND BED FULL HEAD BED JOINTS.
- 5 \_ BED JOINTS SHALL BE 3/3 INCH 4+ - 1/3 INCH) THICK. HEAD JOINTS SHALL BE 3/3 INCH (+3/a INC R- 1/4 INCH) THICK.
- 6 \_ THE BED JOINT OF THE STARTING COURSE PLACED OVER FOOTINGS SHALL BE PERMITTED TO VARY IN THICKNESS FROM A MINIMUM OR 1/4 INCH TO A MAXIMUM OR 3/4 INCH.
- 7 \_ MASONRY WALLS SHALL BE RUNNING BOND CONSTRUCTION.
- 8 \_ LONGITUDINAL WIRES OF JOINT REINFORCEMENT SHALL BE FULLY EMBEDDED IN MORTAR OR GROUT WITH A MINIMUM COVER OF 5/8 INCH WHEN EARTH OR WEATHER AND 1/2 INCH WHEN NOT EX USED TO EARTH.
- 9 \_ MASONRY UNITS  
CONCRETE MASONRY UNITS SHALL BE HOLLOW OR SOLID UNIT MASONRY IN ACCORDANCE WITH ASTM C 90 OR C 145 AND SHALL HAVE A MINIMUM NET AREA COMPRESSIVE STRENGH OF 1900 PSI.
- 10 \_ MORTAR  
GROUT SHALL BE EITHER TYPE M OR S IN ACCORDANCE WITH ASTM C
- 11 \_ GROUT  
GROUT SHALL HAVE A MAXIMUM COARSE AGGREGATE SIZE OF 3/8 INCH PLACED AT AN 8 TO 11 INCH SLUMP AND HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2000 PSI AT 28 DAYS WHEN TESTED IN CONCORDANCE WITH ASTM C 1019 OR SHALL BE IN ACCORDANCE WITH ASTM C
- 12 \_ CONCRETE  
CONCRETE SHALL HAVE A MINIMUM SPECIFIED COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS.
- 13 \_ REINFORCING STEEL  
REINFORCING STEEL SHALL BE MINIMUM GRADE 40 AND IDENTIFIED IN ACCORDANCE WITH ASTM A 615, A 616, A 617 OR A 706.
- 14 \_ METAL ACCESSORIES  
METAL REINFORCEMENT AND ACCESSORIES SHALL CONFORM TO ARTICLE 2.4 OF TMS 602. WHERE PROVIDED IN EXTERIOR WALLS, JOINT REINFORCEMENT SHALL BE A MINIMUM NO. 9-GAUGE LADDER-TYPE STAINLESS STEEL, HOT DIPPED GALVANIZED, OR EPOXY COATED IN ACCORDANCE WITH TMS 602 SECTION 2.4E1, 2.4F1B OR 2.4F2A AS APPROPRIATE. FBC-R R606.2.13.
- 15 \_ GALVANIZATIONS  
METAL ACCESSORIES FOR USE IN EXTERIOR WALL CONSTRUCTION AND NOT DIRECTLY EXPOSED TO THE WEATHER SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM A 153. CLASS 8-2. METAL ACCESSORIES FOR USE IN INTERIOR WALL CONSTRUCTION SHALL BE MILL GALVANIZED IN ACCORDANCE WITH ASTM A 641, CLASS 1.

CONCRETE FLOORS

- 1 \_ CONCRETE FLOORS SHALL BE CAST IN PLACE. CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF NOT LESS THAN 2500 PSI AT 28 DAYS.
- 2 \_ A CONCRETE SLAB-ON-GRADE USED IN CONJUNCTION WITH THE EXTERIOR STEMWALL FOUNDATIONS SHALL BE 4' THICK MIN. AND SHALL HAVE 6x6. W1.4xW1.4 WELDED WIRE FABRIC AT MID-HEIGHT OR SYNTHETIC FIBER REINFORCEMENT IN THE SLAB AND THE SHALL BE KEIED INTO THE FOUNDATION. TOP OF THE SLAB SHALL BE AT LEAST 8 INCHES ABOVE FINESHED.
- 3 \_ THE TOP OF A MONOLITHIC SLAB-ON-GRADE SHALL BE AT LEAST 8 INCHES ABOVE FINISHED GRADE. THE SLAB SHALL BE 4' THICK MIN. THE SLAB SHALL HAVE 6x6 WELDED WIRE FABRIC AT MID HEIGHT OR SYNTHETIC FIBER REINFORCEMENT. A DOUBLE LAYER OF WELDED WIRE FABRIC SHALL BE PROVIDED AROUND THE PERIMETER OF THE SLAB FOR A DISTANCE OF THE 3 FT FROM THE EDGE DOUBLE MESH AT FRAME WALLS ONLY.
- 4 \_ REFER TO STRUCTURAL ENGINEERING CALCULATIONS AND SOILS REPORT FOR THE PERFORMANCE REQUIREMENTS FOR CONCRETE FOUNDATIONS.
- 5 \_ ALL FORM WORK SHALL BE DESIGNED, CONSTRUCTED, UTILIZED, AND REMOVED.
- 6 \_ ALL STEEL REINFORCING OF CONCRETE SHALL BE DONE IN ACCORDANCE WITH F.B.C.-R. CHAPTER 4
- 7 \_ TOP OF CONCRETE SLABS TO BE A MINIMUM 6" (8" H.U.D.) ABOVE FINISH GRADE.
- 8 \_ FOUNDATION WIDTHS, DEPTHS, AND REINFORCING, AS SHOWN ON PLANS, ARE SUPERCEDED BY ANY LOCAL CODES OR ORDINANCES WHICH REQUIRE INCREASES OF THE SAME.
- 9 \_ ALL REINFORCEMENT, CONDUIT, OUTLET BOXES, ANCHORS, HANGERS, SLEEVES, BOLTS OR OTHER EMBEDDED MATERIALS AND ITEMS MUST BE SECURED AND APPROPRIATELY FASTENED IN THEIR PROPER LOCATIONS PRIOR TO THE PLACEMENT OF CONCRETE. SUB-CONTRACTOR SHALL VERIFY INSTALLATION OF HOLD-DOWNS, ANCHOR BOLTS, PA ATRAPS, AND OTHER ANCHORAGE MATERIAL AND ITEMS PRIOR TO PLACEMENT OF CONCRETE.

FASTENERS AND CONNECTORS

- 1 \_ CONNECTORS AND FASTENERS SHALL COMPLY WITH THE APPLICABLE PROVISIONS OF SECTIONS 2304.10.1 THROUGH 2304.10.7.
- 2 \_ YPSUM CONSTRUCTION SHALL COMPLY WITH THE PROVISIONS OF SECTION 2508, ESPECIALLY:

FASTENERS USED FOR THE ATTACHMENT OF GYPSUM BOARD OR GYPSUM PANEL PRODUCTS TO A HORIZONTAL DIAPHRAGM CEILING SHALL BE AS DEFINED IN TABLE 2508.6. FASTENERS SHALL BE SPACED NOT MORE THAN 7 INCHES (178 MM) ON CENTER AT ALL SUPPORTS, INCLUDING PERIMETER BLOCKING, AND NOT MORE THAN 3/8 INCH (9.5 MM) FROM THE EDGES AND ENDS OF THE GYPSUM BOARD OR GYPSUM PANEL PRODUCT. FBC 2023 2508.6.4

SAFETY GLAZING

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

- 1 \_ GLAZING IN DOORS, FIXED AND SLIDING PANELS OF SLIDING DOOR ASSEMBLIES.
- 2 \_ GLAZING IN DOORS AND ENCLOSURES FOR HOT TUB, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, AND SHOWERS. GLAZING IN ANY PORTION OF A BUILDING WALL ENCLOSING THESE COMPARTMENTS WHERE THE BOTTOM EDGE OF THE GLAZING IS LESS THAN 60 INCHES ABOVE THE DRAIN INLET.
- 3 \_ GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24 INCH RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES ABOVE THE FINISHED OR WALKING SURFACE.
- 4 \_ GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS (2) AND (3) ABOVE. THAT MEETS ALL OF THE FOLLOWING CONDITIONS:

A. EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ. FT.

B. BOTTOM EDGE LESS THAN 18 INCHES ABOVE THE FLOOR.

C. TOP EDGE GREATER THAN 36 INCHES ABOVE THE FLOOR.

D. ONE OR MORE WALKING SURFACES WITHIN 36 INCHES HORIZONTALLY OF THE PLANE OF THE GLAZING.

VERTICAL REINFORCEMENTS

- 1 \_ SEE PLANS FOR LOCATIONS AND QUANTITIES.
- 2 \_ VERTICAL WALL REINFORCEMENT SHALL BE LAP SLICED TO FOUNDATION DOWELS AT ALL LOCATIONS. LAP SPLICES ACCORDINGLY.
- 3 \_ ALL VERTICAL WALL REINFORCEMENT SHALL BE TERMINATED IN THE BOND BEAM AT THE ROOF LEVEL WITH A STANDARD HOOK. THE HOOK MAY BE FORMED BY BENDING THE VERTICAL WALL REINFORCEMENT OR BY LAP SPLICING TO A STANDARD HOOK. THE HOOK SHALL EXTEND TO THE UPPERMOST HORIZONTAL REINFORCEMENT OF THE BOND BEAM AND SHALL BE EMBEDDED A MINIMUM OF 6 INCHES INTO THE BOND BEAM.

ROOF TRUSSES

- 1 \_ PREFABRICATED STRUCTURAL WOOD ROOF TRUSSES SHALL COMPLY WITH ANSI/AWC NDS – 2024 – NATIONAL DESIGN SPECIFICATION (NDS) FOR WOOD CONSTRUCTION – WITH 2024 NDS SUPPLEMENT. METAL PLATE CONNECTIONS SHALL COMPLY WITH TPI DESIGN SPECIFICATION FOR METAL PLATE CONNECTED WOOD TRUSSES CONSTRUCTION – ANSI/TPI 1-2022.
- 2 \_ ALL TRUSSES SHALL BE DESIGNED AND CERTIFIED BY THE TRUSS MANUFACTURER'S REGISTERED ENGINEER.
- 3 \_ CONTRACTOR SHALL COORDINATE WITH TRUSS MANUFACTURER TO ENSURE BEARING IS PROVIDED AND REACTIONS OF ALL GIRDER
- 4 \_ TRUSS MANUFACTERER SHALL SUBMIT SHOP DRAWINGS TO THE CONTRACTOR FOR REVIEW AND APPROVAL PRIOR TO F ABRICATION. CONTRACTOR SHALL BE FOR FIELD VERIFICATION OF DIMENSIONS, MATERIALS AND CONDITIONS
- 5 \_ BRACE TRUSSES DURING ERECTION AND AND AFTER PERMANENT INSTALLATION PER TRUSS ENGINEERS SPECIFICATIONS.
- 6 \_ CONTRACTOR SHALL PROVIDE UPUFT CONNECTORS AT ALL TRUSS BEARING POINTS SIZED PER TRUSS ENGINEERS SPECIFICATIONS.

FOOTING AND FOUNDATION

- 1 \_ FOOTINGS SHALL BE LEVEL OR SHALL BE STEPPED SO THAT BOTH TOP AND BOTTOM OF SUCH FOOTINGS ARE LEVEL. THE BOTTOM OF ALL FOOTINGS, EXCEPT MONOLITHIC SLAB-ON-GRADE INTERIOR FOOTINGS, SHALL BE A MINIMUM OF 12 INCHES BELOW FINISHED GROUND LINE.
- 2 \_ THE OUTER BAR OF FOUNDATION STEEL SHALL BE CONTINUOUS AROUND CORNERS USING CONNER BARS OR BY BENDING THE BAR. IN BOTH CASE, THE MINIMUM BAR LAP SHALL BE 25 INCHES.
- 3 \_ A SOIL OR WASTE PIPE OR A BUILDING DRAIN PASSING UNDER A FOOTING OR THOUGH A FOUNDATION WALL SHALL BE PROVIDED WITH A RELIEVING ARCH OR OTHER APPROVED METHOD.
- 4 \_ FOOTING DOWEL BARS SHALL BE PROVIDED FOR ALL REQUIRED VERTICAL WALL REINFORCEMENT LOCATIONS.
- 5 \_ FOOTING DOWEL BARS AT EACH LOCATION SHALL BE SAME SIZE AND QUANTITY AS THE VERTICAL WALL REINFORCEMENT ABOVE.
- 6 \_ ALL FOOTING DOWEL BARS SHALL HAVE A STANDARD 90 DEGREE HOOK AND SHALL BE EMBEDDED 5 INCHES IN TO 8 INCHES FOOTING A MINIMUM OF 6 INCHES IN TO ALL OTHER FOOTINGS. DOWEL BARS SHALL LAP VERTICAL WALL REINFORCEMENT A MINIMUM OF 25 INCHES.

ATTIC ACCESS

- 1 \_ ATTIC SPACES SHALL BE PROVIDED WITH AN INTERIOR ACCESS OPENING NOT LESS THAN 22X30 ACCESS OPENING SHALL BE ACCESSIBLE AND PROVIDED WITH LID OR DEVICE THAT IS EASILY REMOVED OR OPENED. WHEN MECHANICAL EQUIPMENT IS INSTALLED IN THE ATTIC, IT SHALL BE INSTALLED IN ACCORDANCE WITH THE MECHANICAL CODE. ACCESS IS NOT REQUIRED WHEN THE CLEAR HEIGHT OF THE ATTIC SPACE, MEASURED AT THE ROOF PEAK, IS LESS THAN 30 INCHES.

CLEANOUT OPENINGS

- 1 \_ CLEANOUT OPENINGS SHALL BE PROVIDED FOR CELLS CONTAINING SPLICED REINFORCEMENT WHEN THE GROUT POUR EXCEEDS 5 FEET IN HEIGHT.
- 2 \_ WHERE CLEANOUT OPENINGS ARE REQUIRED AN OPENING SHALL BE PROVIDED IN THE BOTTOM COURSE OF THE MANSORY CELL TO BE FILLED.
- 3 \_ CLEANOUT OPENING SHALL HAVE MINIMUM AREA OF 12 SQUARE INCHES AND A MINIMUM OPENING DIMENSION OF 3 INCHES.



(407) 375-3563  
SOLUTIONS@AVANTECH@GMAIL.COM

CONSULTING ENGINEER

P.E. JEFFREY SANON

P.E. # 70946

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PROJECTCAMBURI V2

OWNERYOUR TRUE HOME BUILDER

CONTENT

NOTES

P.E. SEAL AND SIGN

REVISIONS

DESCRIPTION	DATE
CURRENT VERSION - V00 (11/25/2024)	
PROJECT	2024-0819
DATE	04/03/2025
DRAWN BY	Stefan Lemos
SCALE	
SHEET	



BOND BEAMS AND PRECAST LINTELS

- 1 \_ BOND BEAMS SHALL BE GROUTED MANSORY. SEE WALL SECTIONS FOR SIZE AND REINFORCING REQUIREMENTS.
- 2 \_ REINFORCEMENT SHALL BE CONTINUOUS AROUND CORNERS.
- 3 \_ FOR "PRECAST LINTELS" SEE DETAIL AT SHEET S1.1 AND S2.1.

REINFORCING STEEL

- 1 \_ REINFORCING STEEL SHALL BE NO. 5 BARS. EXCEPTION: WHERE TWO NO. 5 BARS ARE REQUIRED WITHIN THE SAME GROUTED MASONRY CELL OR BOND BEAM. ONE NO. 7 BAR MAY BE SUBSTITUTED.
- 2 \_ WHEN TWO BARS ARE REQUIRED IN THE SAME CELL OR BOND BEAM. THEY MAY BE BUNDLED.
- 3 \_ SPLICES SHALL BE LAP SPLICES.
- A. NON CONTACT LAP SPLICES MAY BE USED PROVIDED REINFORCING BARS AND 7 INCHES FOR N° 7 BARS.

B. SPLICE LENGTHS SHALL BE A MINIMUM OF 25 INCHES FOR N° 5 BARS AND 35 INCHES FOR N°. 7 BARS (40 BAR DIAMETERS. SPLICES OF A N°. 5 BAR WITH ONE N°. 7 BAR SHALL BE A MINIMUM OF 25 INCHES. AND TWO N° 5 BARS WITH ONE N° 7 BAR SHALL BE A MINIMUM OF 35 INCHES.
- 4 \_ REINFORCEMENT MAY BE BENT IN THE SHOP OR IN THE FIELD PROVIDED:
- A. ALL REINFORCEMENT SHALL BE BENT COLD.

B. THE DIAMENTER OF THE BEND, MEASURED ON THE INSIDE OF THE BAR, IS NOT LESS THAN SIX BAR DIAMETERS.

C. REINFORCEMENT PARTIALLY EMBEDDED IN CONCRETE SHALL NOT BE FIELD BENT. EXCEPTION: WHERE BENDING IS NECESSARY TO ALIGN DOWEL BARS WITH A VERTICAL CELL. BARS PARTIALLY EMBEDDED IN CONCRETE SHALL PERMITTED TO BE BENT AT A SLOPE OF NOT MORE THAN 1 INCH OF HORIZONTALDISPLACEMENT TO 6 INCHES OF VERTICAL BAR LENGTH.

COVER OVER REINFORCING STEEL

- 1 \_ FOR FOUNDATIONS MINIMUM CONCRETE COVER OVER REINFORCING BARS SHALL BE: 3 INCHES IN FOUNDATIONS WHERE THE CONCRETE IS CAST AGAINST AND PERMANENTLY IN CONTACT WITH THE EARTH; OR 1 1/2" INCHES FOR N° 5 AND SMALLER BARS, AND 2 INCHES FOR N° 6 AND LARGER BARS WHERE CONCRETE IS FORMED AND WILL BE EXPOSED TO THE EARTH OR WEATHER. IN NARROW FOOTINGS WHERE INSUFFICIENT WIDTH IS AVAILABLE TO ACCOMMODATE A STANDARD 90 DEGREE HOOK AND PROVIDE THE REQUIRED CONCRETE COVER, THE HOOK SHALL BE ROTATED IN THE HORIZONTAL DIRECTION UNTIL THE REQUIRED CONCRETE COVER IS ACHIEVED.
- 2 \_ REINFORCEMENT BARS EMBEDDED IN GROUTED MASONRY CELLS SHALL HAVE A MINIMUM CLEAR DISTANCE OF 1/4 INCH FOR FINE GROUT OR 1/2 INCH FOR COARSE GROUT BETWEEN REINFORCING BARS AND ANY FACE OF A CELL.
- 3 \_ REINFORCING BARS USED IN MASONRY WALLS SHALL HAVE A MASONRY COVER (INCLUDING GROUT) OF NOT LESS THAN:
- A. 2" FOR MASONRY UNITS WITH FACE EXPOSED TO EARTH OR WEATHER;

B. 2" FOR MASONRY UNITS NOT EXPOSED TO EARTH OR WEATHER.

DOORS AND WINDOWS

- 1 \_ SEE FLOOR PLANS AND ELEVATIONS FOR SIZES AND TYPES OF DOORS AND WINDOWS AND FOR ANY DIVIDED LITE PATTERNS. COLORS SHALL BE APPROVED BY THE BUILDER AND ARCHITECT.
- 2 \_ EXIT DOORS SHALL BE OPENABLE FROM THE INSIDE WITHOUT THE USE OF A KEY OR ANY SPECIAL KNOWLEDGE OR EFFORT. (F.B.C.-R. R311.2).
- 3 \_ DOORS OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH EITHER SOLID WOOD DOORS NOT LESS THAN 1 3/8 INCHES THICK, SOLID OR HONEYCOMB CORE STEEL DOORS NOT LESS THAN 1 3/8 INCHES THICK OR 20 MINUTE FIRE RATED DOORS, EQUIPPED WITH A SELF-CLOSING DEVIDE. OPENINGS FROM A PRIVATE GARAGE DIRECTLY INTO A ROOM USED FOR SLEEPING PURPOSES SHALL NOT BE PERMITTED. (F.B.C.-R. 302.5.1)
- 4 \_ PROVIDE SECURITY HARDWARE FOR ALL DOORS AND WINDOWS IN CONFORMANCE WITH ALL CURRENT STATE AND LOCAL CODE REQUIREMENTS.
- 5 \_ GARAGE DOOR SPRINGS MUST BE CONTAINED WITH A RESTRAINT DEVIDE TO ANCHOR THE SPRING OR ANY PART THEREOF IN THE EVENT IT FRACTURES.
- 6 \_ EGRERSS WINDOWS SHALL HAVE A FINISH SILL HEIGHT NOT GREATER THAN 44" ABOVE THE FINISH FLOOR HEIGHT AND SHALL HAVE A MINIMUM OPENABLE AREA OF 5.7 SQ.FT. (EXCEPTION: GRADE FLOOR OPENING SHALL HAVE A MIN NET CLEAR OPENING OF 5.0 SQ. FT.)
- 7 \_ EGRESS WINDOWS SHALL NOT HAVE AN OPENABLE AREA LESS THAN 20" WIDE OR 24" HIGH.

DOORS AND WINDOWS (continued)

- 8 \_ ALL EXTERIOR WINDOW & GLASS DOORS SHALL BE TESTED IN ACCORDANCE WITH ANSI/AMMA/NWWDA 101/IS2 STANDARDS AND BEAR AN AMMA OR WDMA LABEL IDENTIFYING THE MANUFACTURED, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT TESTING ENTITY
- 9 \_ ALL MULLIONS AND ADJACENT DOOR/WINDOW ASSEMBLIES SHALL BE TESTED OR ENGINEERED TO TRANSFER 1.5 TIMES THE DESIGN LOADS TO THE ROUGH OPENING SUBSTRATE.
- 10 \_ INSTALL ALL WINDOW & DOORS ASSEMBLIES PER THE MANUFACTURERS ANCHORING RECOMMENDATIONS TO ACHIEVE THE DESIGN PRESSURES SPECIFIED.
- 11 \_ ALL MANUFACTURED WINDOWS AND SLIDING GLASS DOORS SHALL MEET THE AIR INFILTRATION REQUIREMENTS OF F.B.C.-ENERGY CONSERVATION AND SHALL BE CERTIFIED AND LABELED.
- 12 \_ BASEMENTS, HABITABLE ATTICS AND EVERY SLEEPING ROOM SHALL HAVE AT LEAST ONE OPERABLE EMERGENCY ESPACE AND RESCUE WINDOW OR EXTERIOR DOOR OPENING FOR EMERGENCY ESCAPE AND RESCUE. (F.B.C.-R. R310.1)

GLASS AND GLAZING (F.B.C.-R R308)

BUILDING STRUCTURES LOCATED WITHIN THE HVHZ SHALL COMPLY WITH THE PROVISIONS OF F.B.C.-R. CHAPTER 44.

- 1 \_ GLAZING IN HAZARDOUS LOCATIONS SHALL COMPLY WITH F.B.C.-R R308
- 2 \_ EACH PANE OF TEMPERED GLASS SHALL BE PERMANENTLY IDENTIFIED BY THE MANUFACTURER. THE IDENTIFICATION SHALL BE ETCHED OR CERAMIC FIRED, OR A TYPE WHICH CANNOT BE REMOVED WITHOUT BEING DESTROYED, ON THE GLASS AND BE VISIBLE WHEN THE UNIT IS GLAZED. (F.B.C.-R. 308.1)
- 3 \_ THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS PURPOSES OF GLAZING. (F.B.C.-R 308.4).
- A. GLAZING IN ALL FIXED AND OPERABLE PANELS OF SWINGING, SLIDING AND BIFOLD DOORS SHALL BE CONSIDERED A HAZARDOUS LOCATION.

B. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE OF THE GLAZING IS WITHIN A 24-INCH (610 MM) ARC OF EITHER VERTICAL EDGE OF THE DOOR IN A CLOSED POSITION AND WHERE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE SHALL BE CONSIDERED A HAZARDOUS LOCATION.

C. GLAZING IN GUARDS AND RAILINGS, INCLUDING STRUCTURAL BALUSTER PANELS OF AREA OR HEIGHT ABOVE A WALKING SURFACE SHALL BE CONSIDERED A HAZARDOUS LOCATION.

D. GLAZING IN WALLS, ENCLOSURES OR FENCES CONTAINING OR FACING HOT TUBS, SPAS, WHIRLPOOLS, SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND INDOOR OR OUTDOOR SWIMMING POOLS WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 60 INCHES (1524 MM) MEASURED VERTICALLY ABOVE ANY STANDING OR WALKING SURFACE SHALL BE CONSIDERED A HAZARDOUS LOCATION. THIS SHALL APPLY TO SINGLE GLAZING AND ALL PANES IN MULTIPLE GLAZING.

E. GLAZING ADJACENT STAIRS AND RAMPS, GLAZING WHERE THE BOTTOM EXPOSED EDGE OF THE GLAZING IS LESS THAN 36 INCHES (914 MM) ABOVE THE PLANE OF THE ADJACENT WALKING SURFACE OF STAIRWAYS, LANDINGS BETWEEN FLIGHTS OF STAIRS AND RAMPS SHALL BE CONSIDERED A HAZARDOUS LOCATIONS).
- 4 \_ GLAZING SUPPORT AND FRAMING SHALL COMPLY W/ F.B.C.-R. CHAPTER 44.
- 5 \_ HINGED SHOWER DOORS SHALL OPEN OUTWARD.

FRAMING

(F.B.C.-R. R302, R317, R318, R503, R602, R604, R802)

- 1 \_ ALL WOOD FRAMING SHALL BE FABRICATED AND INSTALLED PER AITC AND TPI AND NATIONAL DESIGN SPECIFICATIONS FOR WOOD CONSTRUCTOIN.
- 2 \_ ALL STRUCTURAL WOOD MEMBERS SHALL HAVE EXTREME FIBER STRESS Fb REQUIRED TO WITHSTAND 140 MPH WIND LOADING.
- 3 \_ UNLESS REQUIRED OTHERWISE THE FOLLOWING MINIMUM GRADES SHALL BE
- A. STRUCTURAL LIGHT FRAMING SIZE 2 INCHES TO 4 INCHES THICK BY 2 INCHES T08 INCHES WIDE: NO. 2 OR BETTER.

B. STUDS SIZE 2 INCHES TO 4 INCHES THICK BY 2" TO 8" WIDE: STUD

C. STRUCTURAL JOISTS AND PLANKS SIZE 2 INCHES TO 4 INCHES THICK BY 5" AND WIDER: NO. 2 OR BETTER.
- 4 \_ PLYWOOD SHEATHING SHALL BE APA STRUCTURAL I. GROUP 1. SIZE AND SPAN RATING AS SHOWN ON THE DRAWINGS
- 5 \_ ALL WOOD MEMBERS EXPOSED TO WEATHER OR IN CONTACT WITH MASONRY, CONCRETE OR SOIL SHALL BE PRESSURE-TREATED.
- 6 \_ SOLID BLOCK ALL JOISTS AND RAFTERS AT POINTS OF SUPPORT.

FRAMING (continued)

LUMBER

- 1 \_ ALL LUMBER SHALL MEET THE STANDARDS OF QUALITY AS STATED IN F.B.C.-R. R302, R602, R802.
- 2 \_ ALL PRESERVATIVELY TREATED WOOD REQUIRED TO BE TREATED UNDER F.B.C.-R. R318.1 SHALL BE IDENTIFIED BY THE QUALITY MARK OF AN INSPECTION AGENCY WHICH HAS BEEN APPROVED BY AN ACCREDITATION BODY WHICH COMPLIES WITH THE REQUIREMENTS OF THE AMERICAN LUMBER STANDARD COMMITTEE TREATED WOOD PRORGAM, OR EQUIVALENT. (F.B.C.-R. R317.2).
- 3 \_ ALL LUMBER SIZES NOTED AND SPECIFIED ON PLANS ARE NOMINAL SIZES UNLESS SPECIFICALLY INDICATED AS NET SIZE.

GLUE LAMINATED LUMBER

- 1 \_ STRUCTURAL GLUE LAMINATED LUMBERS SHALL BE MANUFACTURED AND IDENTIFIED AS REQUIRED IN FBC 2306.1
- 2 \_ REFER TO THE STRUCTURAL ENGINEER'S CURRENT NOTES, CALCULATIONS AND SPECIFICATIONS.

SHEATHING (WALL, FLOOR AND ROOF) (F.B.C.-R. R503, R602, R604, R703, R803)

- 1 \_ EXTERIOR WALL BRACING AND STRUCTURAL WALL SHEATHING SHALL CONFORM TO THE REQUIREMENTS AS SET FORTH IN F.B.C.-R. R703.
- 2 \_ ALL WOOD STRUCTURAL PANEL DIAPHRAGMS SHALL CONFORM TO THE REQUIREMENTS IN F.B.C.-R. R 503.2, R602, R604, R703, R803.2.
- 3 \_ WOOD STRUCTURAL PANEL SHEAR WALL CONSTRUCTION SHALL CONFORM TO THE REQUIREMENTS IN F.B.C.-R. R703 AND R803.2.
- 4 \_ REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS, CALCULATIONS, AND PLANS FOR REQUIRED STRENGTH, GRADE AND THICKNESS FOR PLYWOOD WALL SHEATHING PANELS AND FOR PANEL NAILING.
- 5 \_ WHERE APPLICABLE, REFER TO THE SHEAR WALL SCHEDULE FOR REQUIRED STRENGTH, GRADE, AND THICKNESS OF PLYWOOD SHEAR PANELS AND FOR REQUIRED SHEAR WALL NAILING SCHEDULE.
- 6 \_ WOOD STRUCTURAL PANEL AND ROOF DIAPHRAGMS SHALL CONFORM TO THE REQUIREMENTS ON F.B.C.-R. R703, R803.2.
- 7 \_ REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS, CALCULATIONS AND PLANS FOR REQUIRED STRENGTH, GRADE AND THICKNESS FOR PLYWOOD ROOF SHEATHING PANELS AND FOR DIAPHRAGM NAILING.
- 8 \_ REFER TO THE STRUCTURAL ENGINEER'S CURRENT SPECIFICATIONS, CALCULATIONS AND PLANS FOR REQUIRED STRENGTH, GRADE AND THICKNESS FOR PLYWOOD FLOOR SHEATHING PANELS AND FOR DIAPHRAGM NAILING AND ADHESIVE REQUIREMENTS.

FLOOR FRAMING

(F.B.C.-R. CHAPTER 5)

- 1 \_ ALL FLOOR JOISTS SHALL BE BCI TRUSS JOISTS BY "BOISE CASCADE". INSTALLED PER MANUFACTURER'S SPECIFICATIONS. (NER-200).
- 2 \_ ALL RIM JOISTS AND FLOOR BEAMS SHALL BE "BOISE CASCADE" PRODUCTS AND INSTALLED PER MANUFACTURER'S SPECIFICATIONS. (NER-200).
- 3 \_ THE PLACEMENT OF HOLES IN FLOOR JOIST WEBS SHALL BE PER MANUFACTURER'S SPECIFICATIONS. THE NOTCHING OR CUTTING OF FLOOR JOIST FLANGES IS NOT ALLOWED.
- 4 \_ REFER TO THE STRUCTURAL ENGINEER'S CURRENT PLANS AND CALCULATIONS FOR SIZE, SPACING, AND ANCHORAGE OF ALL FLOOR JOISTS; SIZE, LOCATION, AND ANCHORAGE OF ALL FLOOR BEAMS AND HEADERS; AND ALL RELATED FRAMING ISSUES.

ROOF FRAMING

(F.B.C.-R. CHAPTER 8)

- 1 \_ ROOF FRAMINGS SHALL BE BY PRE-MANUFACTURED ROOF TRUSSES SPACED AT 24 INCHES ON CENTER UNLESS NOTED OTHERWISE.
- 2 \_ WOOD TRUSSES SHALL BE DEISGNEED IN ACCORDANCE WITH THE REQUIREMENTS OF F.B.C.-B. CHAPTER 23 AND ACCEPTED ENGINEERING PRACTICE. MEMBERS ARE PERMITTED TO JOINED BY NAILS, GLUB, BOLTS, TIMBER CONNECTORES, METAL CONNECTOR PLATES OR OTHER APPROVED FRAMING DEVICES.
- 3 \_ THE MANUFACTURER'S SHALL SUPLY TO THE ARCHITECT AND BUILDER CALCULATIONS AND SHOP DRAWINGS FOR APPROVAL OF DESIGN LOADS, CONFIGURATION (2 OR 5 POINT BEARING), VOLUME CEILING OPTIONS AND SHEAR TRANSFER, PRIOR TO FABRICATION.
- 4 \_ TRUSS MEMBERS AND COMPONENTS SHALL NOT BE CUT, NOTCHED, DRILLED, SPLICE OR OTHERWISE ALTERED IN ANY WAY WITHOUT THE WRITTEN CONCURRENCE AND APPROVAL OF THE DESIGN ENGINEER. ALTERATIONS RESULTING IN THE ADDITION OF LOADS TO ANY MEMBER (e.g. HVAC EQUIPMENT, WATER HEATER) SHALL NOT BE PERMITTED WITHOUT VERIFICATION THAT THE TRUSS IS CAPABLE OF SUPPORTING SUCH ADDITIONAL LOADING. (F.R.C. R802.10.4).
- 5 \_ THE BRACING OF WOOD TRUSSES SHALL COMPLY TO THEIR APPROPRIATE ENGINEERED DESIGN. (F.B.C.-R. R802.10.3).
- 6 \_ ALL CALCULATIONS AND SHOP DRAWINGS SHALL BE SIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE WHEREIN THE PROJECT IS TO BE BUILT.
- 7 \_ MANUFACTURER IS TO SECURE BUILDING DEPARTMENT APPROVAL OF CALCULATIONS AND SHOP DRAWINGS PRIOR TO FABRICATION.

FRAMING (continued)

VERTICAL FRAMING

- 1 \_ THE SIZE, HEIGHT AND SPACING OF STUDS SHALL BE IN ACCORDANCE WITH F.B.C.-R301.2.1.1 AND R602.3.1.
- 2 \_ STUDS SHALL BE PLACED WITH THEIR WIDE DIMENSION PERPENDICULAR TO THE WALL.
- 3 \_ NOT LESS THAN THREE STUDS SHAL BE INSTALLED AT EACH CORNER OF AN EXTERIOR WALL. EXCEPT A THIRD STUD IS PERMITTED TO BE OMITTED THROUGH THE USE OF APPROVED DEVICES THAT SERVE AS ADEQUATE BACKING FOR FACING MATERIALS.
- 4 \_ BEARING AND EXTERIOR WALL STUDS SHALL BE CAPPED WITH DOUBLE TOP PLATES INSTALLED TO PROVIDE OVERLAPPING AT CORNERS AND AT INTERSECTIONS WITH OTHER PARTITIONS. END JOINTS IN DOUBLE TOP PLATES SHALL BE OFFSET AT LEAST 24 INCHES.
- 5 \_ WHERE BEARING STUDS ARE SPACED AT 24-INCH INTERVALS AND WHERE FLOOR JOISTS, FLOOR TRUSSES OR ROOF TRUSSES THAT THEY SUPPORT ARE SPACED AT MORE THAN 16 INCH INTERVALS, SUCH JOISTS OR TRUSSES SHALL BEAR WITHIN 5 INCHES OF TUE STUDS BENEATH.
- 6 \_ IN NON-BEARING WALLS AND PRATITIONS, STUDS SHALL BE SPACED NOT MORE THAN 24 INCHES OR CENTER AND ARE PERMITTED TO BE SET WITH THE LONG DIMENSION PARALLEL TO THE WALL @ 16" ON CENTER IF NOT PART OF A BRACED WALL LINE.
- 7 \_ STUDS SHALL HAVE FULL BEARING ON A PLATE OR SILL NOT LESS THAN NOMINAL 2 INCHES IN THICKNESS HAVING A WIDTH NOT LESS THAN THAT OF THE WALL STUDS.
- 8 \_ EXTERIOR WOOD STUD WALLS SHALL BE BRACED AS REQUIRED BY F.B.C.-R. CHAPTER 6.
- 9 \_ HEADERS SHALL MEET THE REQUIREMENTS OF F.B.C.-R., CHAPTER 6.

GROUTING

- 1 \_ MANSORY PROTRUSIONS EXTENDING 1/2 INCH OR MORE INTO CELLS ORCAVITIES TO BE GROUTED SHALL BE REMOVED FOR GROUT POURS OVER 5 FT.
- 2 \_ SPACES TO BE GROUTED SHALL BE FREE OF MORTAR DROPINGS, DEBRIS, LOOSE AGGREGATES, AND ANY MATERIAL DELETERIOUS TO MANSORY GROUT.

STAIRWAY

- 1 \_ RISERS AND TREADS
- A. THE STAIRS SHALL NOTE BE LESS THAN 36" IN CLEAR WIDTH ABOVE THE PERMITTED HANDRAIL HEIGHT AND BELOW THE REQUIRED HEADROOM HEIGHT.

B. THE HEIGHT OF RISERS SHALL NOT EXCEED 7 3/4 INCHES AND TREADS (EXCLUSIVE OF NOSING) SHALL BE NO LESS THAN 10 INCHES WIDE. A NOSING IS NOT REQUIRED WHERE THE TREAD DEPTHIS A MIN 11 INCHES.

C. OPEN RISERS SHALL BE PERMITTED PROVIDED THAT THE OPENING BETWEEN TREADS DOES NOT PERMIT THE PASSAGE OF A 4 INCHES DIAMETER SPHERE.
- 2 \_ HANDRAIL
- A. STAIRWAYS HAVING FOUR OR MORE RISERS ABOVE A FLOOR OR FINISHED GROUND LEVEL, SHALL BE EQUIPPED WITH HANDRAILS LOCATED NOT LESS THAN 3 INCHES NOR MORE THAN 38 INCHES ABOVE THE LEADING EDGE OF A TREAD.
- 3 \_ GUARDRAILS:
- A. ALL UNENCLOSED FLOOR AND ROOF OPENING, OPEN GLAZED SIDES OF LANDINGS, STAIRS, RAMPS, BALCONIES AND PORCHES WHICH ARE MORE THAN 30 INCHES ABOVE FINISHED GROUND LEVEL OR A FLOOR BELOW SHALL BE PROTECTED BY A GUARDRAIL.

B. OPEN GUARDRAILS SHALL HAVE INTERMEDIATE RAILS OR ORNAMENTAL PATTERN SUCH THAT A 4 INCH DIAMETER SPHERE CAN NOT PASS THROUGH ANY OPENING, A BOTTOM RAIL OR CURB SHALL BE PROVIDED THAT WILL REJECT THE PASSAGE OF 2-INCH DIAMENTER SPHERE.

C. GUARDRAILS FOR DWELLINGS, WITHIN INDIVIDUAL DWELLING UNITS OR GUEST ROOMS, AND IN RESIDENTIAL CARE/ASSISTED LIVING OCCUPANCIES SHALL BE A MINIMUM OF 36 INCHES HIGH.



(407) 375-3563

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P.E. JEFFREY SANON P.E. # 70946

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PROJECT CAMBURI V2

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CONTENT

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NOTES

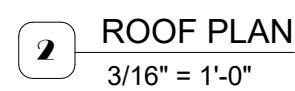
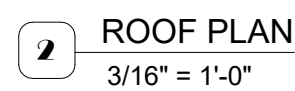
CURRENT VERSION - V00 (11/25/2024)

PROJECT	2024-0819
DATE	04/03/2025
DRAWN BY	Stefan Lemos
SCALE	
SHEET	A0.1







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## REVISIONS

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PROJECT 2024-0819

DATE 04/03/2025

DRAWN BY **Stefan Lemos**

SCALE As indicated

SHEET

## A1.2

## TYPICAL TRUSS END

ALL BEAMS BY OTHERS  
UNLESS NOTED ON LAYOUT.

ALL ROOF TRUSS HANGERS ARE  
IMPSON HUS26 OR HGUS26-2 AND  
ALL FLOOR HANGERS ARE THA422  
UNLESS NOTED OTHERWISE.

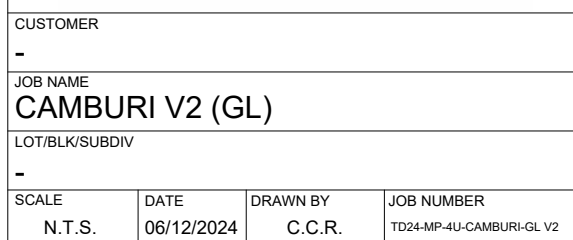
## 1 TRUSS LAYOUT

IT IS THE RESPONSIBILITY OF THE BUILDING DESIGNER OR ARCHITECT TO PROVIDE AN APPROPRIATE CONNECTION FOR TRUSSES TO SUPPORTING STRUCTURE PER REACTIONS SHOWN ON TRUSS ENGINEERING. SPECIAL CONSIDERATIONS FOR MECHANICAL EQUIPMENT AND/OR PLUMBING (AND THEIR CONNECTIONS) IN TRUSS SPACE MUST BE DIAGRAMMED BY BUILDER ON APPROVED TRUSS LAYOUT PRIOR TO FABRICATION.

CONVENTIONAL FRAMING, ERECTION AND/OR PERMANENT BRACING IS NOT THE RESPONSIBILITY OF THE TRUSS DESIGNER. PLATE MANUFACTURER, OR TRUSS MANUFACTURER, PERSONS ERECTING TRUSSES ARE CAUTIONED TO SEEK PROFESSIONAL ADVICE REGARDING ERECTION BRACING WHICH IS ALWAYS REQUIRED TO PREVENT TOPPING AND BUCKLING OF TRUSSES. THE TYPE AND AMOUNT OF BRACING WHICH MAY BE REQUIRED IN SPECIFIC APPLICATIONS, SEE "GUIDE TO GOOD PRACTICE FOR HANDLING, INSTALLING, RESTRAINING BRACING OF METAL PLATE CONNECTED WOOD TRUSSES".

TRUSS BRACING SHALL BE INSTALLED IN A STRAIGHT AND PLUMB POSITION, WHERE NO SHEATHING IS APPLIED DIRECTLY TO TOP AND/OR BOTTOM CHORDS, THEY SHALL BE BRACED AS SPECIFIED ON THE ENGINEERED DESIGN. ERECTION BRACING SHALL BE INSTALLED AND MAINTAINED DURING ERECTION TO PREVENT DAMAGE OR PERSONAL INJURY.

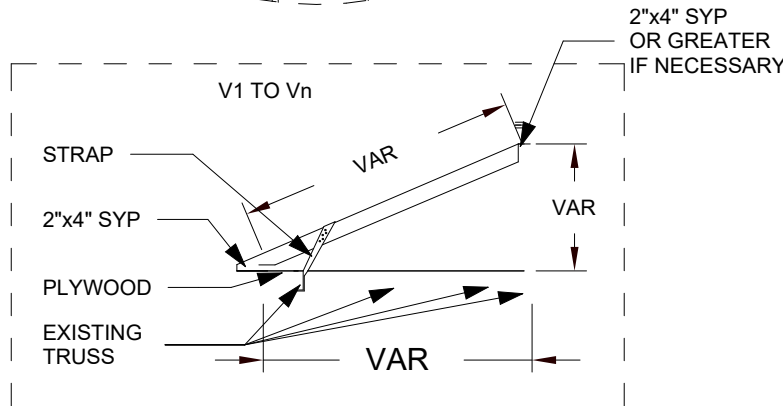
APPROVAL OF THIS TRUSS LAYOUT IS NECESSARY BEFORE FABRICATION CAN BEGIN. VERIFY SPANS, PITCHES, OVERHANGS, HEELS AND BEARING CONDITIONS. ACCEPTANCE OF THIS LAYOUT ASSUMES TOTAL RESPONSIBILITY TRUSSES WILL BE BUILT PER THIS LAYOUT.



		ROOF	FLOOR
TOP CHORD	LIVE LOAD	20 p.s.f.	20 p.s.f.
	DEAD LOAD	10 p.s.f.	10 p.s.f.
BOTTOM CHORD	LIVE LOAD	0 p.s.f.	0 p.s.f.
	DEAD LOAD	10 p.s.f.	10 p.s.f.
TOTAL LOAD		40 p.s.f.	40 p.s.f.

WIND STANDARD	ASCE 7-22
WIND LOAD TYPE	MWFRS

## ROOF COVERING SHINGLE



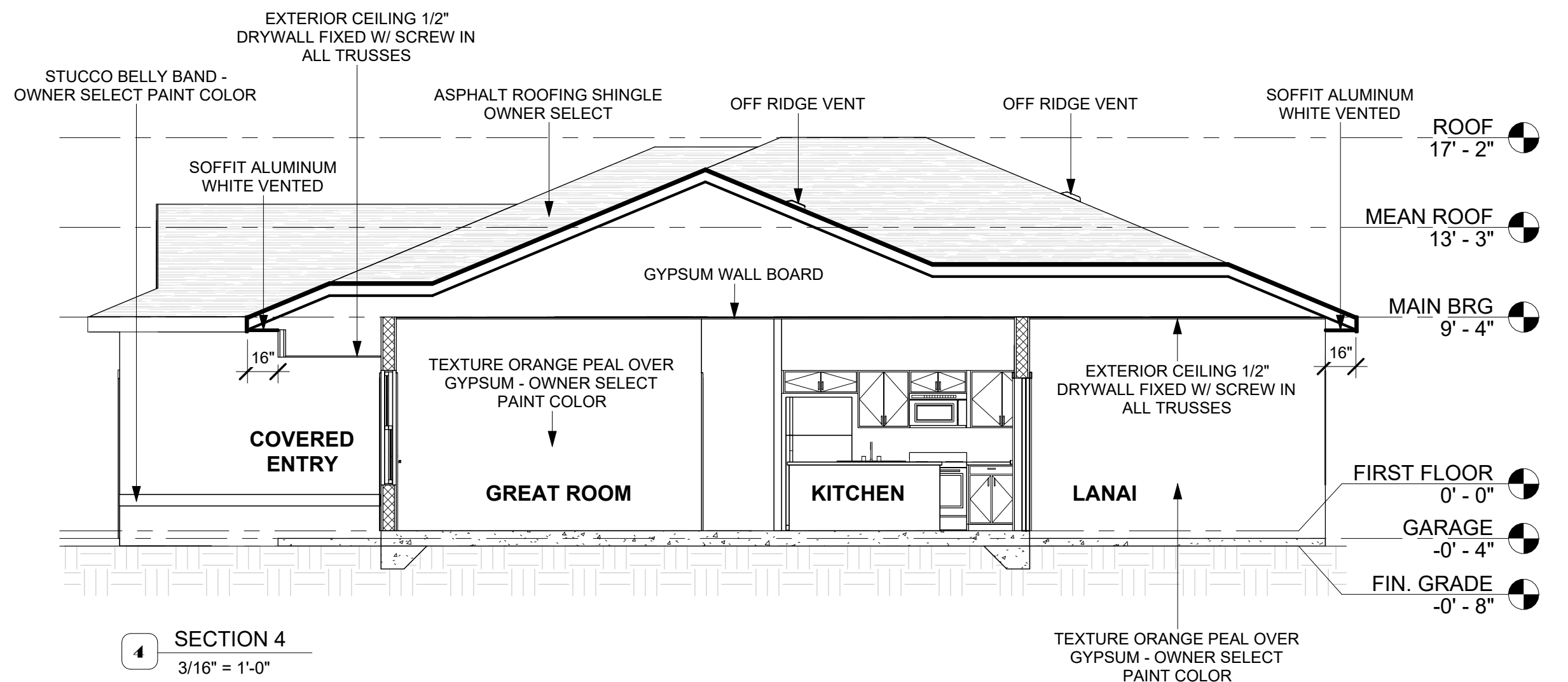
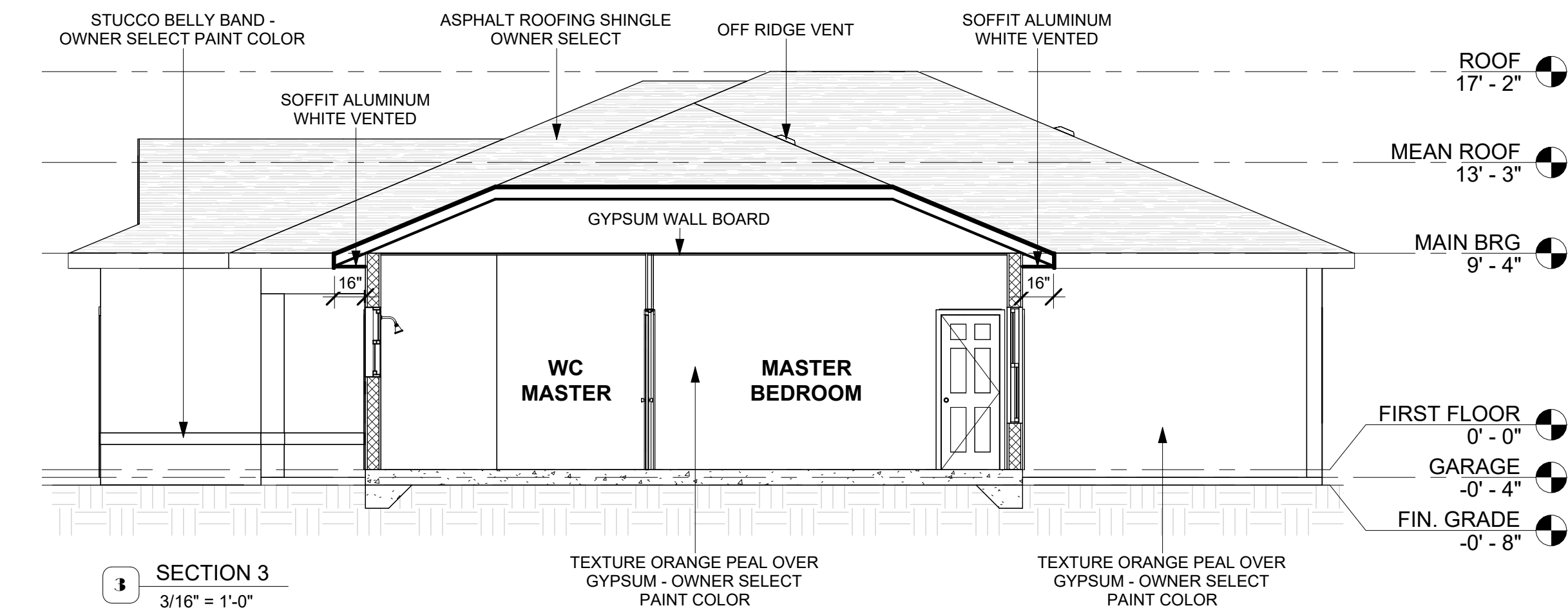
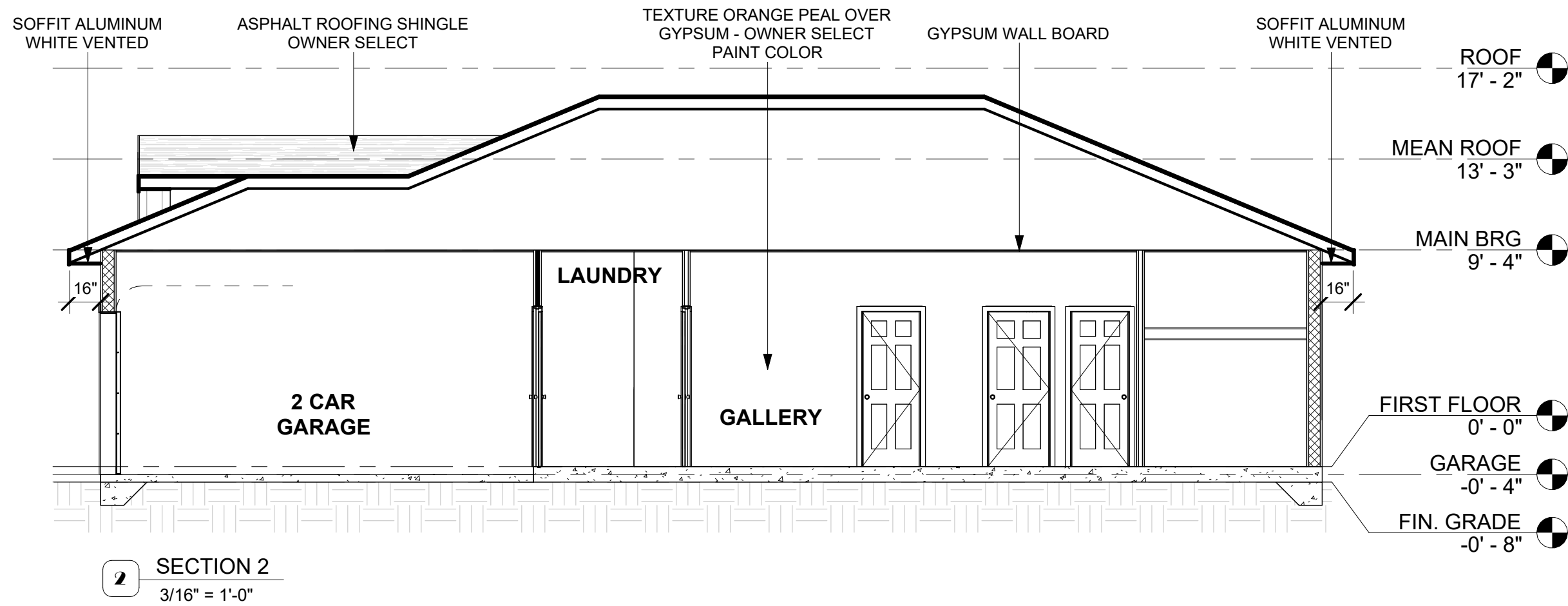
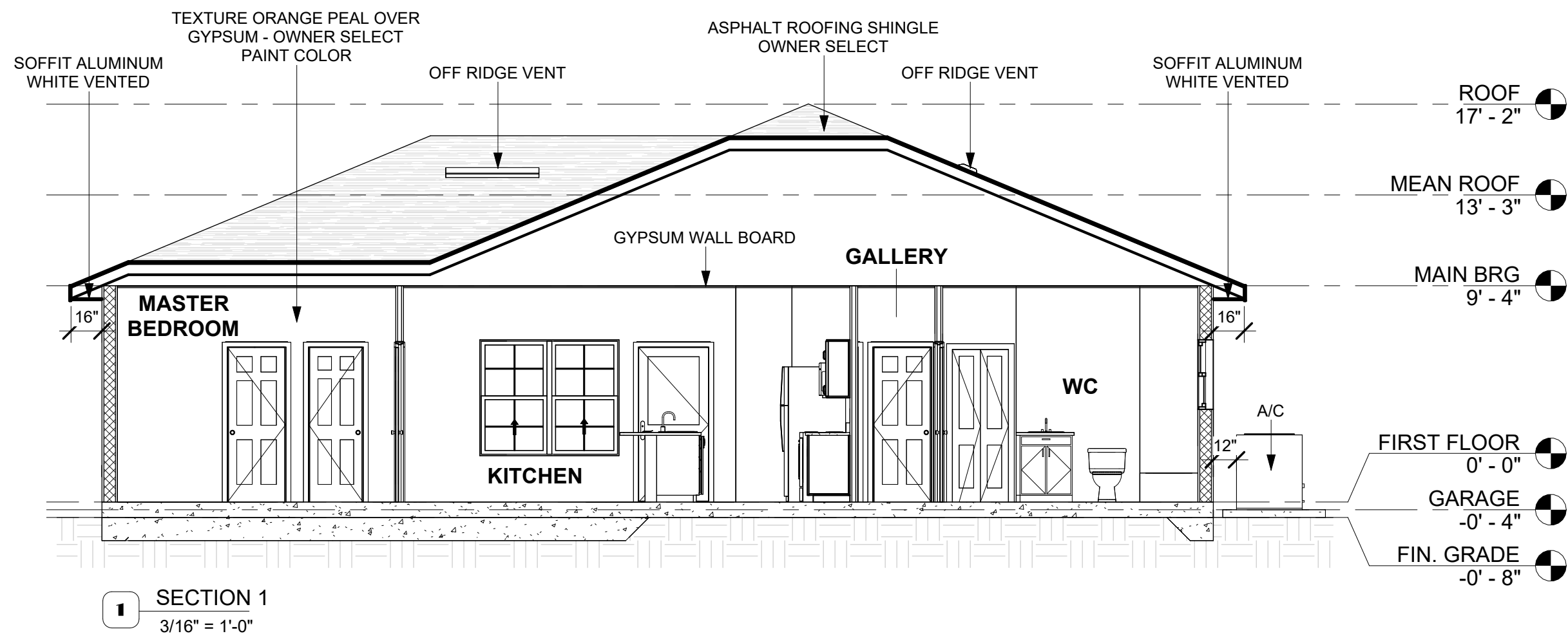
**NOTE:**

TYPICAL TO BE SPACED 24" O.C., SYP 2"x 4"

### FRAMING DETAIL TO BUILD ROOF ASSEMBLY ABOVE TRUSSES

ROOF	ATITC AREA	SOFFIT AREA (SF)	RIDGE (LF)	TOTAL FREE VENT REQUIRED (AREA/300)		ROOF VENTS - 50%				SOFFIT AND RIDGE VENTS - 50%				TOTAL AREA VENTILATION	
				SQFT	SQ.IN.	REQUIRED AREA	4' LONG x 12" WIDE) 104 in²	PROVIDED AREA	REQUIRED AREA	SOFFIT		RIDGE	PROVIDED AREA	REQUIRED	PROVIDED
										5.87 in²/SQFT	PROVIDED AREA				
ROOF	1937 SF	218' - 1"	0 LF	12.91 SF	1859.11 in²	929.56 in²	4	832 in²	929.56 in²	218	1280 in²	0 LF	0 in²	1859.11 in²	2112 in²
ROOF ENTRY	54 SF	21' - 11"	0 LF	0.36 SF	51.84 in²	25.92 in²	0	0 in²	25.92 in²	218	129 in²	0 LF	0 in²	51.84 in²	129 in²
ROOF LANAI	111 SF	28' - 7"	0 LF	0.74 SF	106.43 in²	53.22 in²	0	0 in²	53.22 in²	29	168 in²	0 LF	0 in²	106.43 in²	168 in²
TOTAL AREA VENTILATION														2017.39 in²	2409 in²





SOFFIT INSTALLATION FBC R704.2

1\_ SOFFIT INSTALLATION SHALL COMPLY WITH SECTIONS R704.2.1, R704.2.2, R704.2.3 AND R704.2.4.

VINYL AND ALUMINUM SOFFIT FBC R704.2.3 PANELS

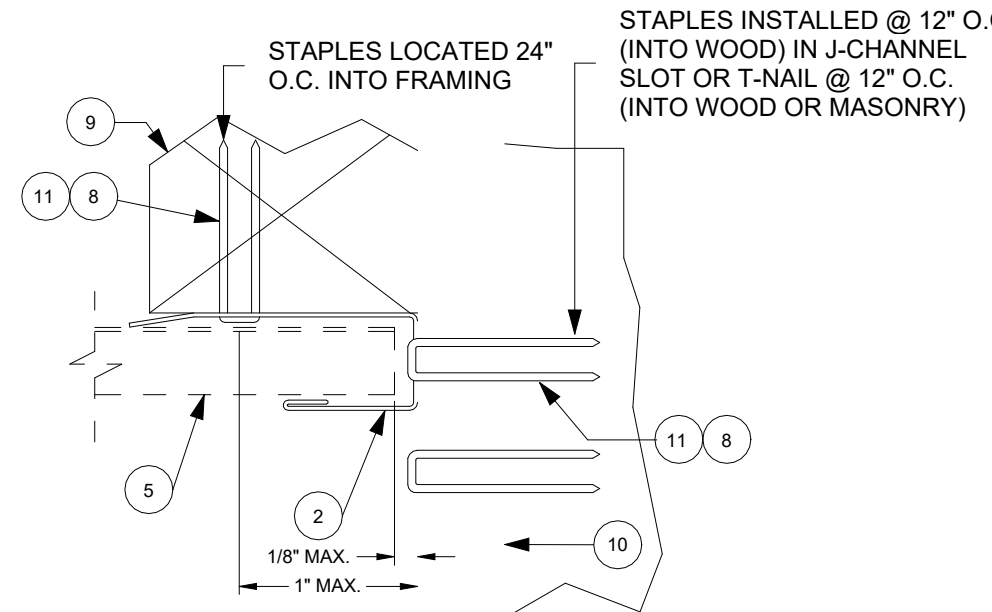
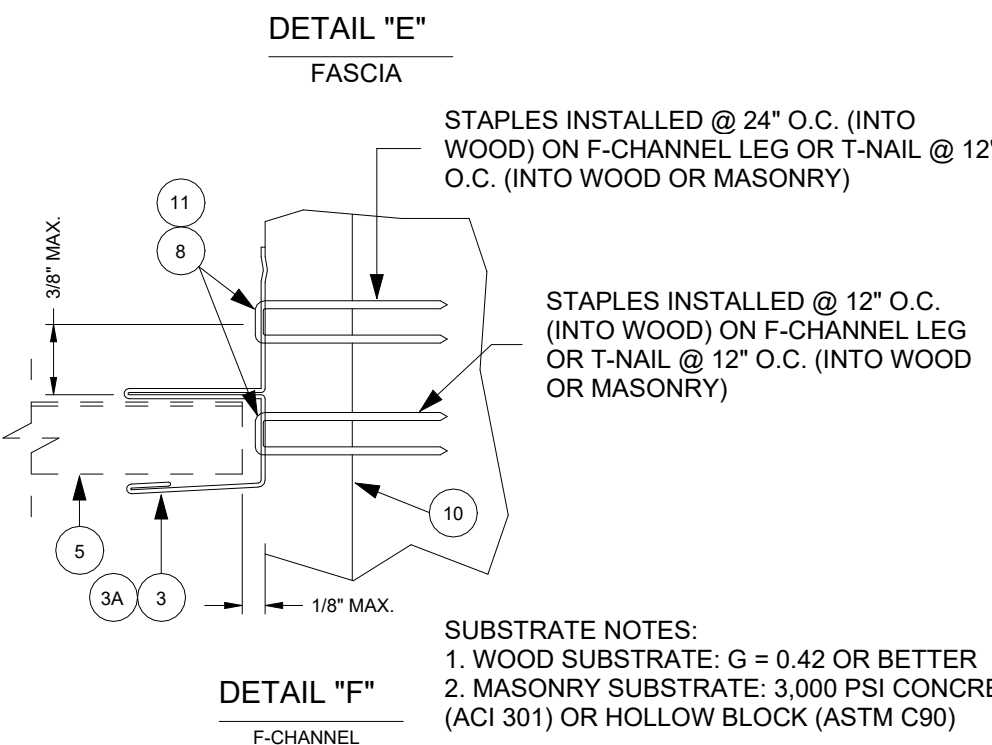
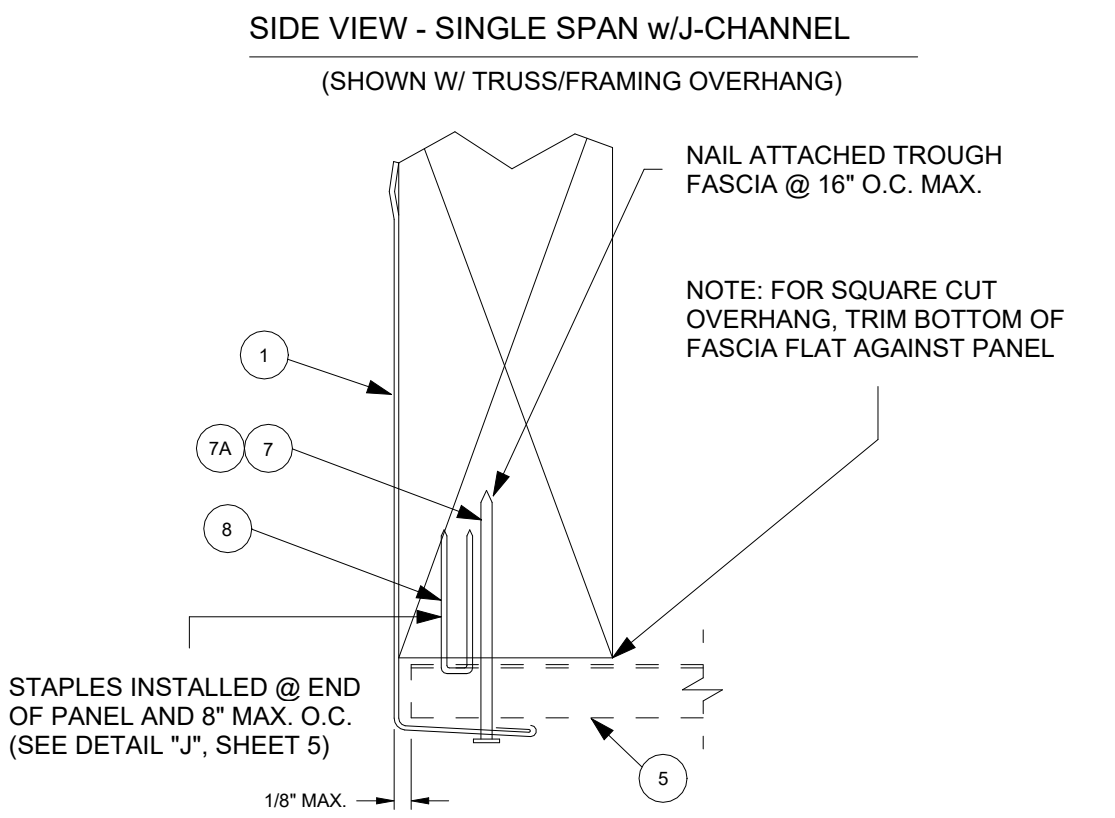
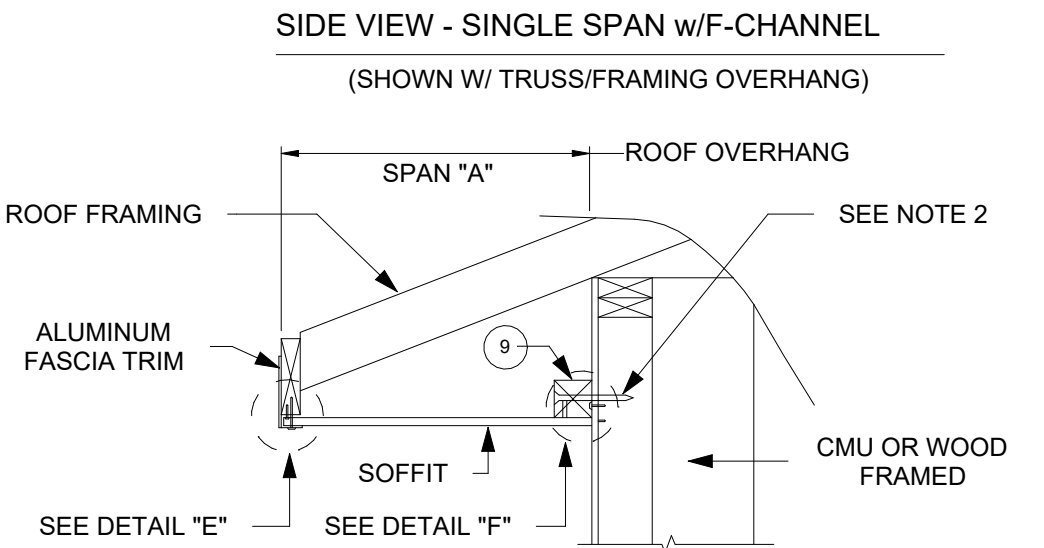
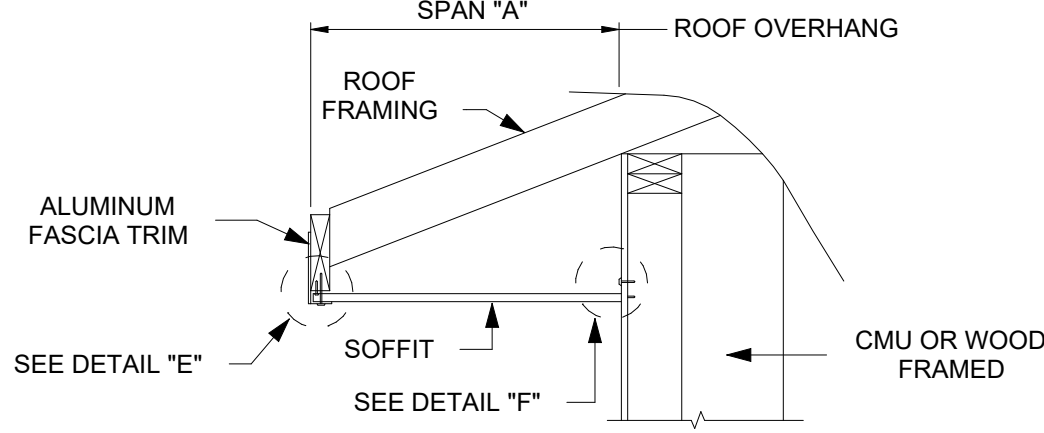
1\_ VINYL AND ALUMINUM SOFFIT PANELS SHALL BE INSTALLED USING ALUMINUM, GALVANIZED, STAINLESS STEEL OR RUST-PREVENTATIVE COATED NAILS OR OTHER APPROVED CORROSION-RESISTANT FASTENERS SPECIFIED BY THE MANUFACTURER AND SHALL BE FASTENED AT BOTH ENDS TO A SUPPORTING COMPONENT SUCH AS A NAILING STRIP, FASCIA OR SUBFASCIA COMPONENT IN ACCORDANCE WITH FIGURE R704.2.1. WHERE THE UNSUPPORTED SPAN OF SOFFIT PANELS IS GREATER THAN 12 INCHES, INTERMEDIATE NAILING STRIPS SHALL BE PROVIDED IN ACCORDANCE WITH FIGURE R704.2.2 UNLESS A LARGER SPAN IS PERMITTED IN ACCORDANCE WITH THE MANUFACTURER'S PRODUCT APPROVAL SPECIFICATION. VINYL AND ALUMINUM SOFFIT PANELS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRODUCT APPROVAL SPECIFICATION AND LIMITATIONS OF USE. FASCIA COVERS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S PRODUCT APPROVAL SPECIFICATION AND LIMITATIONS OF USE AND SECTION R704.3.

MANUFACTURER, MODEL NUMBER/SERIES

AMERICAN CONSTRUCTION METALS / "TRIPLE 4" AND "QUAD 4"

FL PRODUCT - APPROVAL NUMBER

12019.1



FASTENER LENGHTS FOR GYPSUM PANEL

PRODUCT APPLICATION TO WOOD FRAMING (A)

GYPSUM PANEL PRODUCT THICKNESS (B) in. (mm)	MINIMUM NAIL LENGHT in. (mm)	MINIMUM SCREW LENGHT in. (mm)	MINIMAL STAPLE (C) LENGHT in. (mm)
1/4 (6.4)	(D)	(D)	(D)
3/8 (9.5)	1-1/4 (32)	1 (25)	1 (25)
1/2 (12.7)	1-3/8 (35)	1-1/8 (28)	1-1/8 (28)
5/8 (15.9)	1-1/2 (38)	1-1/4 (32)	1-1/4 (32)

(A) WHERE FIRE RESISTANCE IS REQUIRED FOR GYPSUM PANEL PRODUCT SYSTEMS, FASTENERS OF THE SAME OR LARGER LENGHT, SHANK DIAMETER, AND HEAD BEARING AREA AS THOSE DESCRIBED IN THE FIRE-RATED DESIGN SHALL BE USED.

(B) FOR OTHER THICKNESSES, FOR MULTI-LAYER APPLICATIONS, OR FOR APPLICATION OVER RIGID FOAM INSULATION FASTENERS SHALL BE OF SUFFICIENT LENGHT TO PENETRATE FRAMING NOT LESS THAN 3/4 in. (19 mm) FOR NAILS, 5/8 in. (16 mm) FOR SCREWS, AND 5/8 in. (16 mm) FOR STAPLES.

(C) STAPLE ATTACHEMENT IS RESTRICTED TO BASE LAYERS OF MULTI-LAYER SYSTEMS ONLY.

(D) FOR APPLICATION OVER EXISTING SOLID SURFACES OR IN MULTI-LAYER APPLICATIONS, FASTENER SHALL BE OF SUFFICIENT LENGHT TO PENETRATE FRAMING NOT LESS THAN 3/4 in. (19 mm) FOR NAILS AND 5/8 in. (16 mm) FOR SCREWS.

CONNECTOR NOTES:  
1. WOOD FRAMING AND CONNECTORS TO BE DESIGNED BY THE ARCHITECT OR ENGINEER OF RECORD.  
2. 12d COMMON NAIL OR 3/16" ITW TAPCON CONCRETE SCREW (MIN. 1-1/4" EMBEDMENT) @ 24" ON CENTER

SINGLE SPAN LENGTH "A"	DESIGN PRESSURE (PSF)	
	POSITIVE	NEGATIVE
8"	+70.0	-141.0
10"	+60.0	-60.0
12"	+50.0	-50.0
14"	+38.5	-38.5
16"	+30.0	-30.0



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REVISIONS	
DESCRIPTION	DATE

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PROJECT 2024-0819  
DATE 04/03/2025  
DRAWN BY Stefan Lemos  
SCALE As indicated  
SHEET A1.3



REVISIONS

DESCRIPTION	DATE

CURRENT VERSION - V00 (11/25/2024)

PROJECT 2024-0819

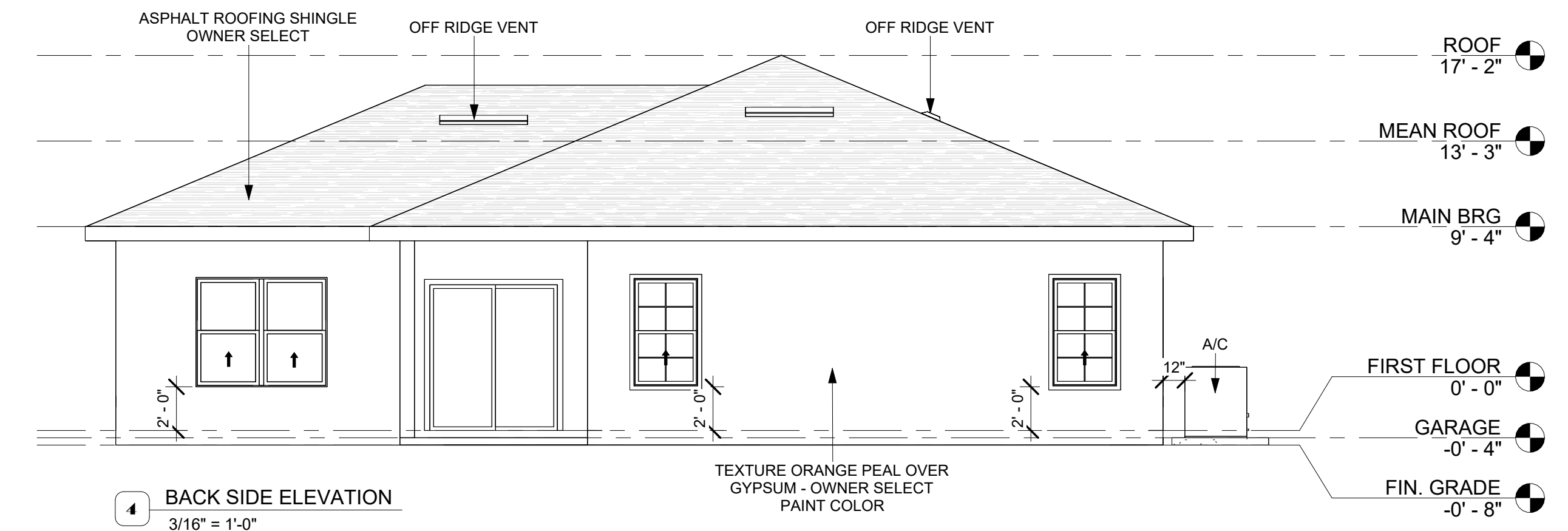
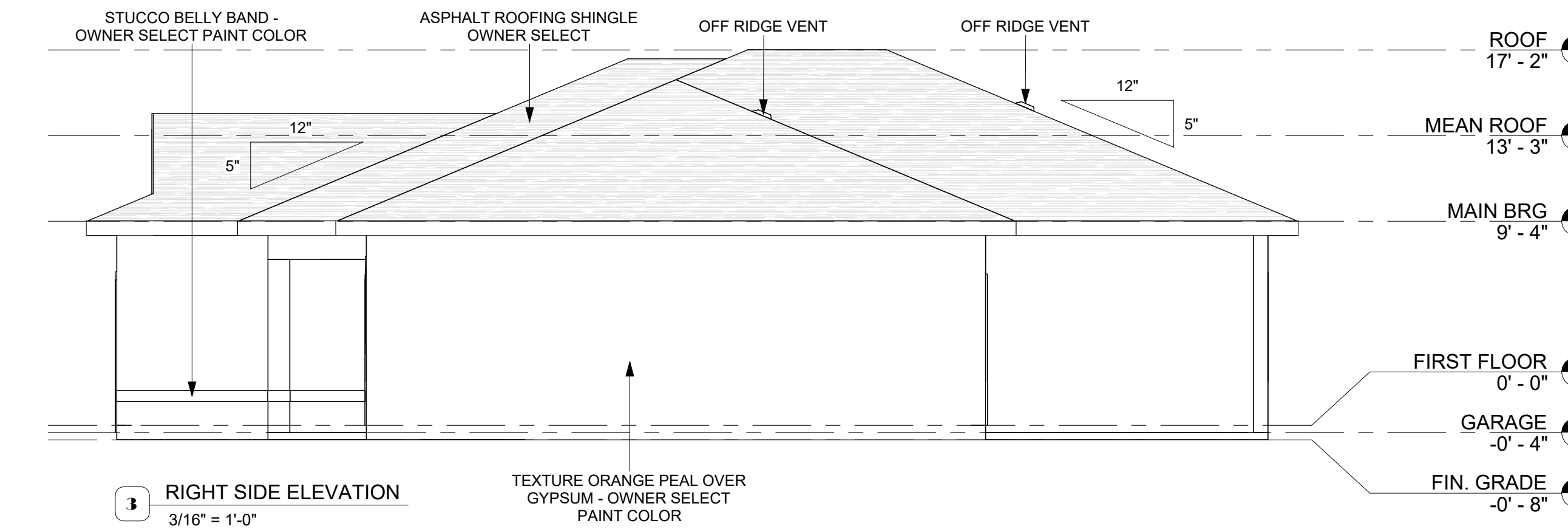
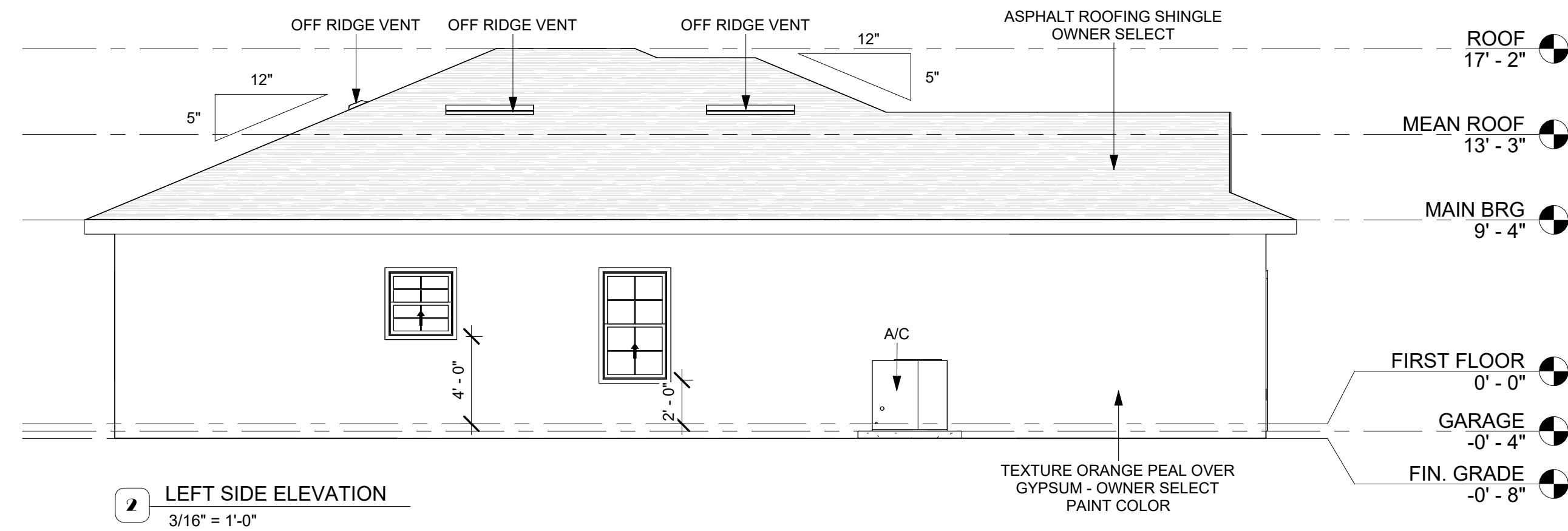
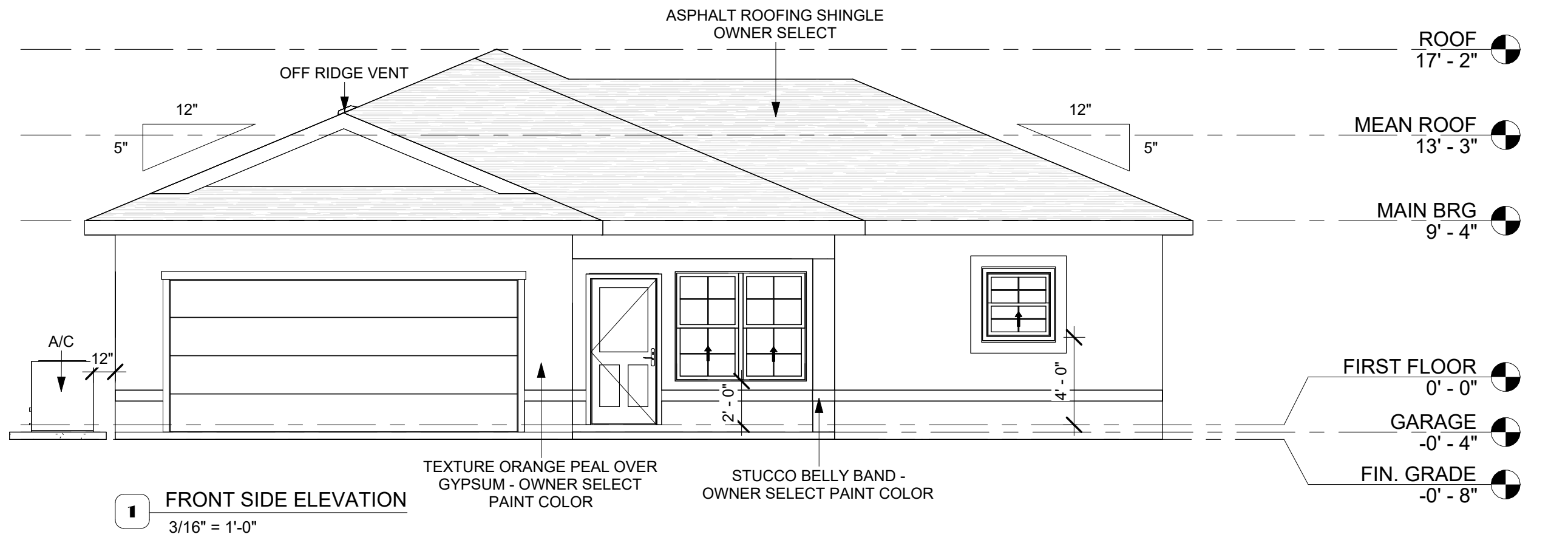
DATE 04/03/2025

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SCALE As indicated

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A1.4



LATH FBC R703.7.1

1 \_ LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED WITH 1 1/2-INCH-LONG (38 MM), 11 GAGE NAILS HAVING A 7/16-INCH (11.1 MM) HEAD, OR 1 1/2-INCH-LONG (22.2 MM), 16 GAGE STAPLES, SPACED IN ACCORDANCE WITH ASTM C1063 OR C1787, OR AS OTHERWISE APPROVED.

WATER-RESISTIVE BARRIERS

FBC R703.7.1

1 \_ WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION R703.2 AND, WHERE APPLIED OVER WOOD-BASED SHEATHING, SHALL INCLUDE A WATER-RESISTIVE VAPOR-PERMEABLE BARRIER WITH A PERFORMANCE AT LEAST EQUIVALENT TO TWO LAYERS OF GRADE PAPER. THE INDIVIDUAL LAYERS SHALL BE INSTALLED INDEPENDENTLY SUCH AS EACH LAYER PROVIDES SEPARATE CONTINUOUS PLANE AND ANY FLASHING (INSTALLED IN ACCORDANCE WITH SECTION R703.8) INTENDED TO DRAIN TO THE WATER-RESISTIVE BARRIER IS DIRECTLY BETWEEN THE LAYERS.

EXCEPTION:

1 \_ WHERE THE WATER-RESISTIVE BARRIER THAT IS APPLIED OVER WOOD-BASED SHEATHING HAS A WATER RESISTANCE EQUAL TO OR GREATER THAN THAT OF 60-MINUTE GRADE D PAPER AND IS SEPARATED FROM STUCCO BY AN INTERVENING, SUBSTANTIALLY NON WATER-ABSORBING LAYER OR DESIGNED DRAINAGE SPACE.

UNDERLAYMENT APPLICATION FBC R905.1.1

1 \_ THE ENTIRE ROOF DECK SHALL BE COVERED WITH AN APPROVED SELF-ADHERING POLYMER-MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM D1970 INSTALLED IN ACCORDANCE WITH BOTH THE UNDERLAYMENT MANUFACTURER'S AND ROOF COVERING MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE DECK MATERIAL, ROOF VENTILATION CONFIGURATION AND CLIMATE EXPOSURE FOR THE ROOF COVERING TO BE INSTALLED.

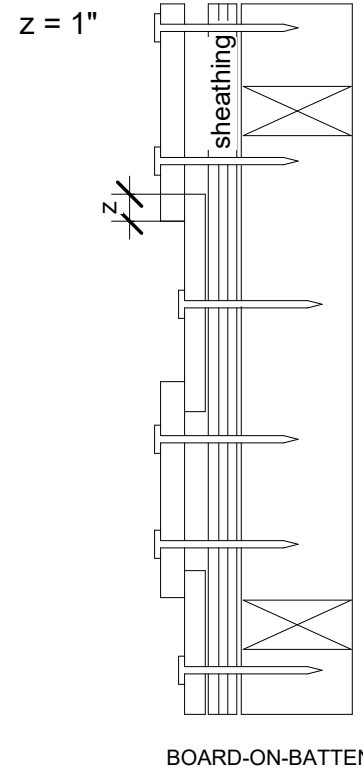
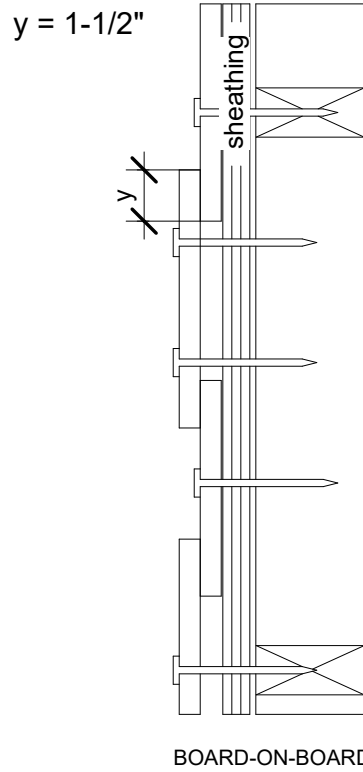
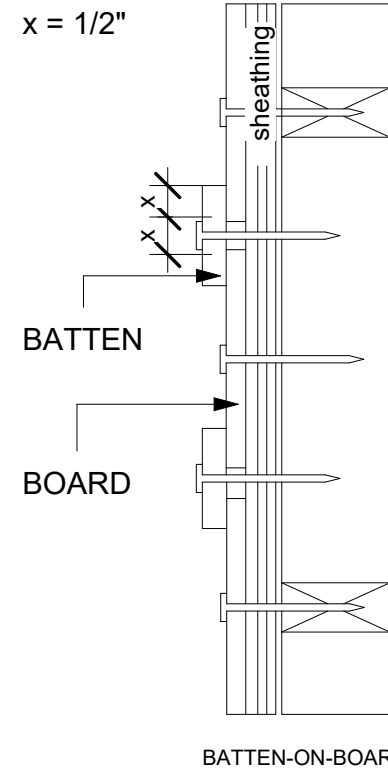
EXCEPTION:

1 \_ FOR ROOF SLOPES FROM TWO UNITS VERTICAL IN 12 UNITS HORIZONTAL (17-PERCENT SLOPE), UP TO 4 UNITS VERTICAL IN 12 UNITS HORIZONTAL (33-PERCENT SLOPE), UNDERLAYMENT SHALL BE 2 LAYERS APPLIED IN THE FOLLOWING MANNER:

A. TWO LAYERS OF ASTM D226 TYPE II OR ASTM D4899 TYPE III OR TYPE IV UNDERLAYMENT SHALL BE INSTALLED AS FOLLOWS: APPLY A 19-INCH (483 MM) STRIP OF UNDERLAYMENT FELT PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE, STARTING AT THE EAVE, APPLY 36-INCH-WIDE (914 MM) SHEETS OF UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS 19 INCHES (483 MM), END LAPS SHALL BE 6 INCHES AND SHALL BE OFFSET BY 6 FEET. THE UNDERLAYMENT SHALL BE ATTACHED TO A NAILABLE DECK WITH CORROSION-RESISTANT FASTENERS WITH ONE ROW CENTERED IN THE FIELD OF THE SHEET WITH A MAXIMUM FASTENER SPACING OF 12 INCHES (305 MM) O.C., AND ONE ROW AT THE END AND SIDE LAPS FASTENED 6 INCHES (152 MM) O.C.

2 \_ FOR ROOF SLOPES OF FOUR UNITS VERTICAL IN 12 UNITS HORIZONTAL (33 PERCENT) OR GREATER, UNDERLAYMENT SHALL BE ONE LAYER APPLIED IN THE FOLLOWING MANNER:

A. A SYNTHETIC UNDERLAYMENT THAT IS APPROVED AS AN ALTERNATIVE TO UNDERLAYMENT COMPLYING WITH ASTM D226 TYPE II AND HAVING A MINIMUM TEAR STRENGTH OF 15 LBF IN ACCORDANCE WITH ASTM D4533AND A MINIMUM TENSILE STRENGTH OF 20 LBF/INCH IN ACCORDANCE WITH ASTM D5035 SHALL BE PERMITTED TO BE APPLIED OVER THE ENTIRE ROOF OVER THE 4-INCH-WIDE (102 MM) MEMBRANE STRIPS. THIS UNDERLAYMENT SHALL BE INSTALLED AND ATTACHED IN ACCORDANCE WITH THE UNDERLAYMENT ATTACHMENT METHODS OF TABLE R905.1.1.1 FOR THE APPLICABLE ROOF COVERING AND SLOPE AND THE UNDERLAYMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.



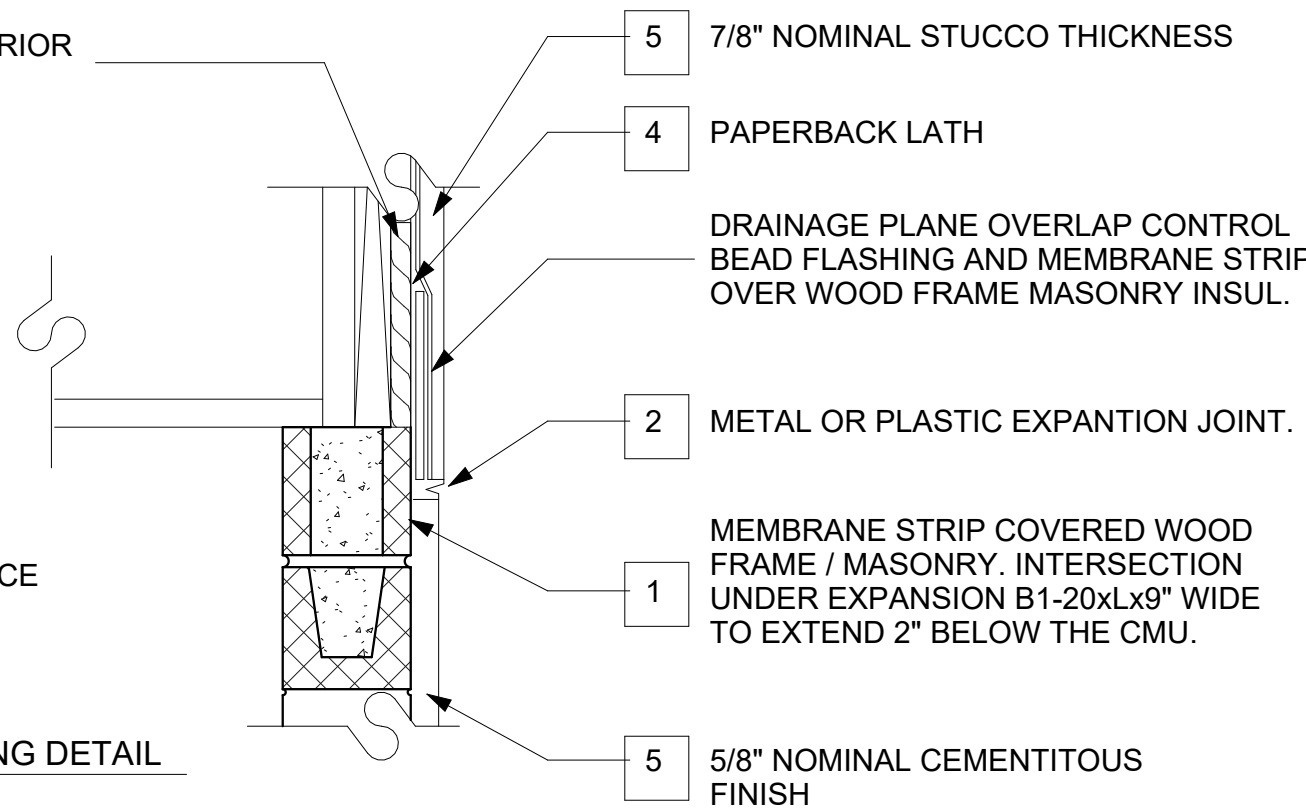
BOARD-AND-BATTEN SIDING  
3/4" = 1'-0"

WOOD BASED EXTERIOR SHEATHING-OSB

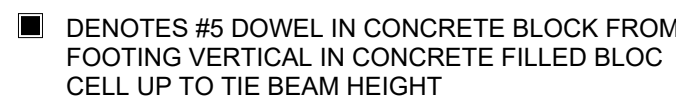
NOTE:

INDICATE SEQUENCE OF INSTALLATION.

STUCCO FLASHING DETAIL  
1" = 1'-0"







# S1.0



SAFE LOAD TABLES  
FOR GRAVITY, UPLIFT AND LATERAL LOADS

8" PRE-CAST AND  
PRESTRESSED U-LINTELS GRAVITY

LINTEL LENGTH	CLEAR SPAN	LINTEL TYPE								
			8U8	8F8-1B	8F12-1B	8F16-1B	8F20-1B	8F24-1B	8F28-1B	8F32-1B
L-1	2'-10"	1'-6"	Precast	2302	3166	4473	6039	7526	9004	10472
L-2	3'-6"	2'-2"	Precast	2302	3138	3377	4689	6001	7315	8630
L-3	4'-0"	2'-8"	Precast	2029	2325	2496	3467	4438	5410	6384
L-4	4'-6"	3'-2"	Precast	1651	1787	1913	2657	3403	4149	4896
L-5	5'-4"	4'-0"	Precast	1184	1223	1301	1809	2317	2826	3336
L-6	5'-10"	4'-6"	Precast	972	1000	1059	1474	1889	2304	2721
L-7	6'-6"	5'-2"	Precast	937	1255	2101	3263	2746	3358	3971
L-8	7'-6"	6'-2"	Precast	767	1029	1675	2385	1994	2439	2886
L-9	9'-4"	8'-0"	Precast	573	632	1049	1469	1210	1482	1754
L-10	10'-6"	9'-2"	Precast	456	482	802	915	1122	1328	1535
L-11	11'-4"	10'-0"	Precast	445	598	935	1365	1854	2355	2793
L-12	12'-0"	10'-8"	Precast	414	555	864	1254	1693	2211	2832
L-13	13'-4"	12'-0"	Precast	362	427	726	1028	1331	1635	2074
L-14	14'-0"	12'-8"	Precast	338	381	648	919	1190	1462	1807
L-15	14'-8"	13'-4"	Prestressed	N.R.	465	765	1370	2045	2610	3185
L-16	15'-4"	14'-0"	Prestressed	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-17	17'-4"	16'-0"	Prestressed	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-18	19'-4"	18'-0"	Prestressed	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-19	21'-4"	20'-0"	Prestressed	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-20	22'-0"	20'-8"	Prestressed	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.
L-21	24'-0"	22'-8"	Prestressed	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.	N.R.

U-PRECAST LINTEL  
(8"x16"COMPOSITE)

MARK N°	LINTEL LENGTH	CLEAR SPAN	FILLED (1) #5/T8 (2) #5/T8 C	FILLED (1) #5/T8 (2) #5/T8 E
L-1	2'-10"	1'-6"	12374	12591
L-2	3'-6"	2'-2"	8488	8680
L-3	4'-0"	2'-8"	6888	7023
L-4	4'-6"	3'-2"	5772	5902
L-5	5'-4"	4'-0"	4546	4649
L-6	5'-10"	4'-6"	4028	4120
L-7	6'-6"	5'-2"	3382	3460
L-8	7'-6"	6'-2"	2908	2975
L-9	9'-4"	8'-0"	2548	2607
L-10	10'-6"	9'-2"	2215	2267
L-11	11'-4"	10'-0"	1918	1936
L-12	12'-0"	10'-8"	1749	1790
L-13	13'-4"	12'-0"	1554	1591
L-14	14'-0"	12'-8"	1438	1473
L-15	14'-8"	13'-4"	1356	1389
L-16 P.S.	15'-4"	14'-0"	1395	1448
L-17 P.S.	17'-4"	16'-0"	1326	1376
L-18 P.S.	19'-4"	18'-0"	1153	1197
L-19 P.S.	21'-4"	20'-0"	1019	1057
L-20 P.S.	22'-0"	20'-8"	980	1017
L-21 P.S.	24'-0"	22'-8"	880	913
L-22 P.S.	24'-0"	22'-8"	740	775

NOTE: (P.S) PRESTRESSED USING  
(2) 7/16" Ø P.S STRANDS.

U-PRECAST LINTEL  
(8"x8", FILLED & UNFILLED)

MARK N°	LINTEL LENGTH	CLEAR SPAN	FILLED (1) #5/T8 (2) #5/T8 C	FILLED (1) #5/T8 (2) #5/T8 E
L-1	2'-10"	1'-6"	6191	7845
L-2	3'-6"	2'-2"	4277	5413
L-3	4'-0"	2'-8"	3466	4383
L-4	4'-6"	3'-2"	2917	3686
L-5	5'-4"	4'-0"	2304	2906
L-6	5'-10"	4'-6"	2045	2577
L-7	6'-6"	5'-2"	1722	2167
L-8	7'-6"	6'-2"	1484	1865
L-9	9'-4"	8'-0"	1138	1425
L-10	10'-6"	9'-2"	989	1236
L-11	11'-4"	10'-0"	904	1128
L-12	12'-0"	10'-8"	807	1004
L-13	13'-4"	12'-0"	749	931
L-14	14'-0"	12'-8"	708	783
L-15	14'-8"	13'-4"	548	760
L-16 P.S.	15'-4"	14'-0"	491	687
L-17 P.S.	17'-4"	16'-0"	332	521
L-18 P.S.	19'-4"	18'-0"	233	406
L-19 P.S.	21'-4"	20'-0"	208	376
L-20 P.S.	22'-0"	20'-8"	196	302
L-21 P.S.	24'-0"	22'-8"	111	237

NOTE: (P.S) PRESTRESSED USING  
(2) 7/16" Ø P.S STRANDS.

WINDOWS SILLS

MARK N°	HEADER	SILL
S-1	2'-10"	19"
S-2	3'-6"	26.5"
S-3	4'-6"	37"
S-4	5'-4"	48"
S-5	5'-10"	53"
S-6	6'-6"	60"
S-7	7'-6"	74"
S-8	9'-4"	(2) 48"
S-9	10'-6"	(2) 53"
S-10	11'-4"	(2) 60"
S-11	12'-0"	(2) 60"
S-12	13'-3"	(2) 74"

2" RECESSED DOOR HEADERS  
(8"x14", COMPOSITE)

MARK N°	DOOR SIZE WIDTH	CLEAR SPAN	FILLED (1) #5/T8 (2) #5/T8 C	FILLED (1) #5/T8 (2) #5/T8 D
D-1	2'-4"	2'-0"	7980	8199
D-2	2'-8"	2'-4"	6790	7015
D-3	2'-10"	2'-6"	6320	6539
D-4	3'-0"	2'-8"	6018	6124
D-5	3'-4"	3'-0"	5391	5432
D-6	4'-4"	4'-0"	4956	4049
D-7	5'-4"	5'-0"	3138	3267
D-8	6'-4"	6'-0"	2650	2755
D-9	8'-4"	8'-0"	2026	2078

2" RECESSED DOOR HEADERS  
(8"x6", FILLED & UNFILLED)

MARK N°	DOOR SIZE WIDTH	CLEAR SPAN	FILLED (1) #5/T8 (2) #5/T8 C	FILLED (1) #5/T8 (2) #5/T8 D
D-1	2'-4"	2'-0"	2612	3917
D-2	2'-8"	2'-4"	2235	3351
D-3	2'-10"	2'-6"	2084	3125
D-4	3'-0"	2'-8"	1952	2927
D-5	3'-4"	3'-0"	1732	2597
D-6	4'-4"	4'-0"	1292	1937
D-7	5'-4"	5'-0"	1076	1589
D-8	6'-4"	6'-0"	831	1367
D-9	8'-4"	8'-0"	623	1051

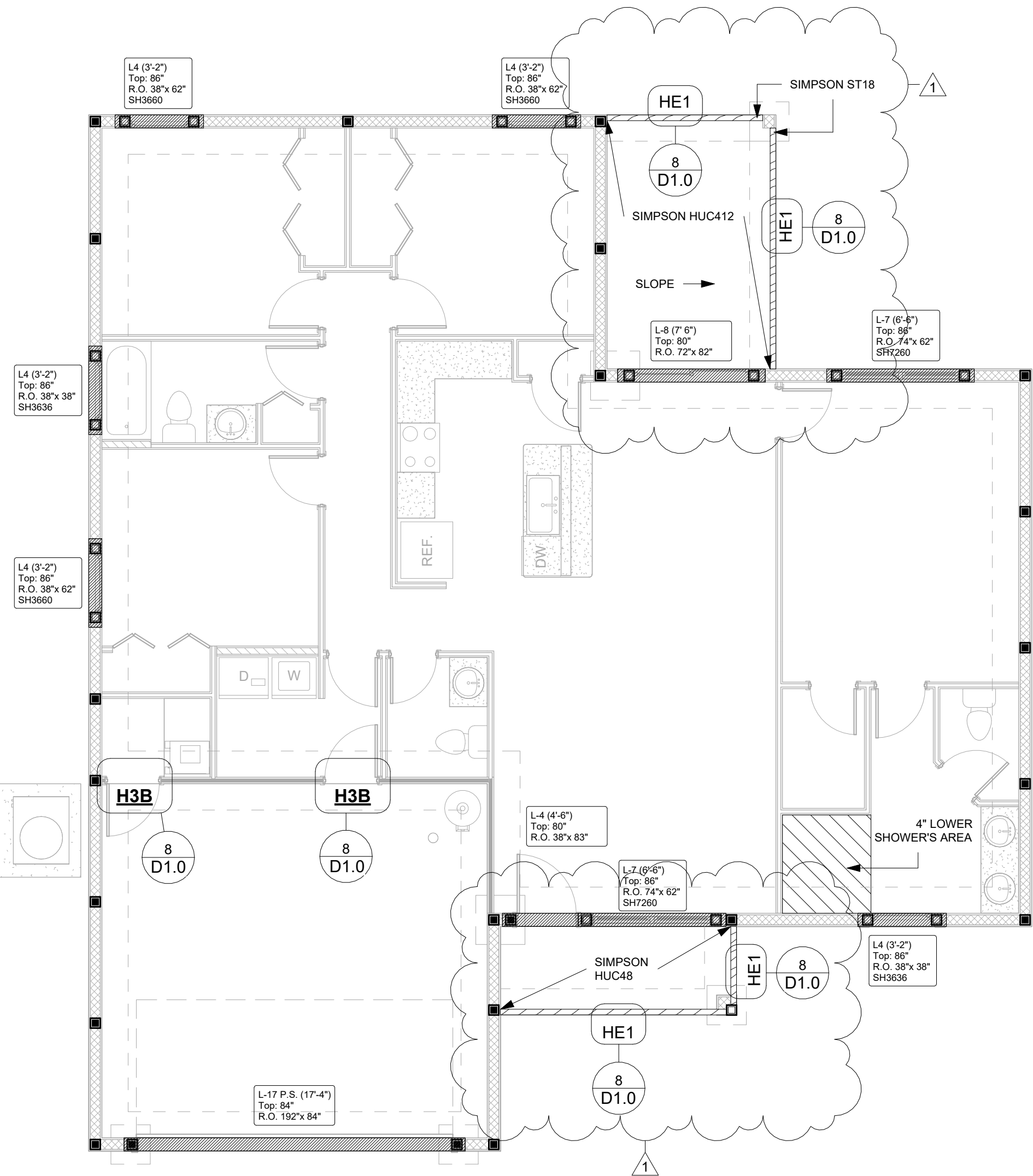
F = FILLED WITH GROUT  
U = UNFILLED

QUANTITY OF #5 REBAR AT TOP

QUANTITY OF #5 REBAR AT BOTTOM OF LINTEL CAVITY

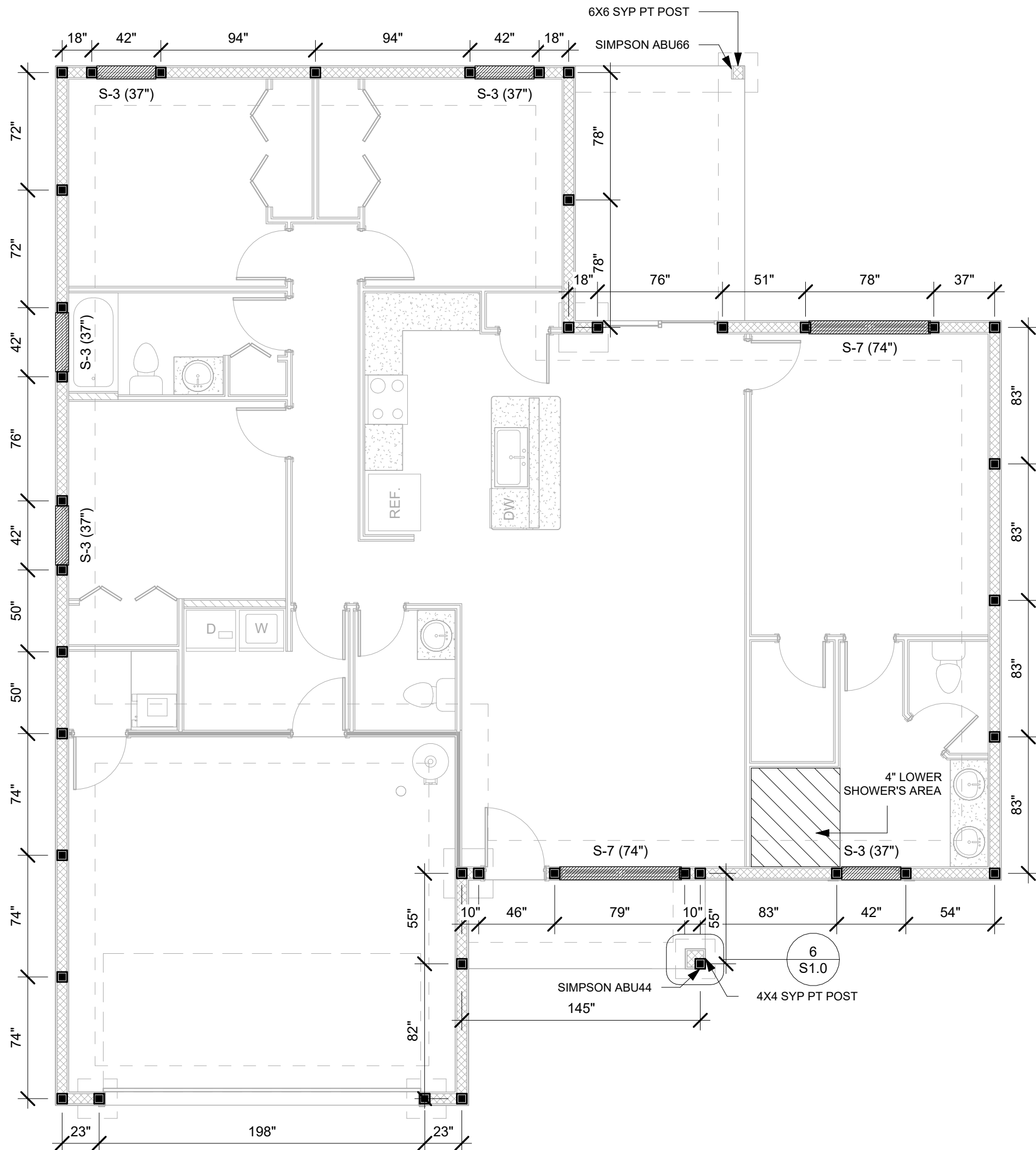
NOMINAL WIDTH

NOMINAL HEIGHT



1 LINTEL PLAN  
3/16" = 1'-0"

■ DENOTES #5 DOWEL IN CONCRETE BLOCK FROM FOOTING VERTICAL IN CONCRETE FILLED BLOC CELL UP TO THE BEAM HEIGHT



2 DOWEL PLAN  
3/16" = 1'-0"

LINTEL SCHEDULE (DOOR)

LINTEL	QTY	CAST CREATE TYPE	COMMENTS
L-4 (4'-6")	1	8F16 - 1B/1T	8" REGULAR U-LINTEL
L-8 (7' 6")	1	8F16 - 1B/1T	8" REGULAR U-LINTEL
L-17 P.S. (17'-4")	1	8F16 - 1B/1T	8" REGULAR U-LINTEL - PRESTRESSED
TOTAL SILLS	3		

LINTEL SCHEDULE (WINDOW)

LINTEL	QTY	CAST CREATE TYPE	COMMENTS
L-4 (4'-6")	5	8F16 - 1B/1T	8" REGULAR U-LINTEL
L-8 (7' 6")	2	8F16 - 1B/1T	8" REGULAR U-LINTEL
TOTAL SILLS	7		

SILL SCHEDULE

LINTEL	QTY	COMMENTS
S-3 (37")	5	THICK SILL - FINISH STANDARD
S-7 (74")	2	THICK SILL - FINISH STANDARD
TOTAL SILLS	7	

NOTES

1 \_ CODES

- 1.1 \_ FLORIDA BUILDING CODE 2023 8th EDITION.
- 1.2 \_ BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE (ACI 318-19).
- 1.3 \_ MINIMUM DESIGN LOADS AND ASSOCIATED CRITERIA FOR BUILDINGS AND OTHER STRUCTURES (ASCE/SEI 7-22)

2 \_ CONCRETE

- 2.1 \_ CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS
  - A. PRE-CAST W/ STANDARD REINFORCEMENT-4000 PSI MIN.
  - B. PRE-CAST W/ PRESTRESS REINFORCEMENT-6000 PSI MIN.
  - C. GROUT PER ASTM C476 - 3000 PSI W/ MAX. 3/8" AGGERATE, 8" TO 11" SLUMP.
- 2.2 \_ REINFORCING BARS
  - A. STEEL PLACED IN PRECAST LINTEL AT TIME OF FABRICATION ASTM A615 (GRADE 60).
  - B. STEEL IN LINTEL AND KNOCKOUT BLOCK (PLACED IN FIELD) ASTM A615 (GRADE 40).
- 2.3 \_ PRESTRESS STRANDS ASTM A416 7-WIRE, STRESS RELIEVED 270 KSI
- 2.4 DETAIL REINFORCEMENT IN ACCORDANCE WITH ACI 315.
- 2.5 \_ CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.

3 \_ MASONRY

- 3.1 \_ DESIGN AND CONSTRUCTION SHALL CONFORM TO THE SPECIFICATION OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND ACI 530-02.
- 3.2 \_ MINIMUM MASONRY UNIT STRENGTH: F'M 1500 PSI.
- 3.3 \_ MORTAR SHALL BE TYPE S.

4 \_ STRUCTURAL

- 4.1 \_ SAFE LOAD VALUES ARE BASED ON LINTELS HAVING A BEARING OF 8" (WITH A MINIMUM ACCEPTABLE BEARING OF 4" PER THE FLORIDA BUILDING CODE 2023).
- 4.2 \_ FOR LINTELS THAT ARE GREATER THAN 14'-0" CLEAR SPAN THEY SHALL BE PROVIDED A TEMPORARY SUPPORT AND THE TEMPORARY SUPPORT SHALL NOT BE REMOVED UNTIL 2 DAYS AFTER GROUT PLACEMENT.

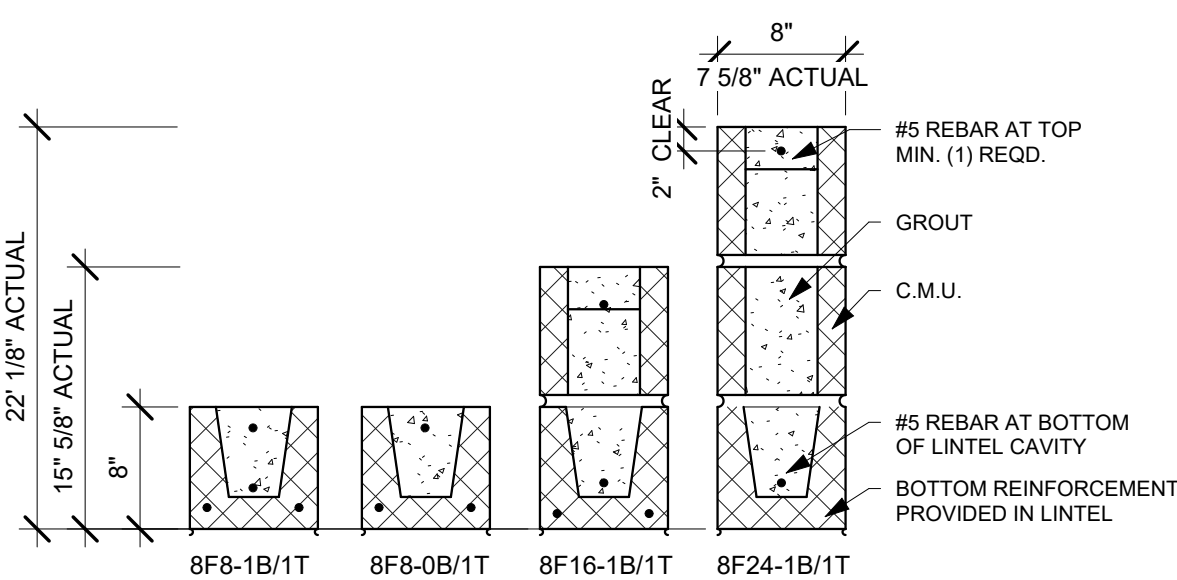
4.3 \_ SAFE LOADS ARE TOTAL SUPERIMPOSED ALLOWABLE LOADS.

4.4 \_ DESIGNER MAY EVALUATE CONCENTRATED LOADS FROM THE SAFE LOAD TABLES BY CALCULATING MAX. RESISTING SHEAR AND MOMENT FOR THE LISTED LINTELS.

4.5 \_ SAFE LOADS LISTED ON ALL TABLES ARE IN UNITS OF POUND PER LINEAR FOOT.

4.6 \_ EXTRA TIE BEAMS OR COURSES BETWEEN LINTEL AND TIE BEAM POURED SOLID ARE ACCEPTABLE. A SINGLE SOLID FILLED LINTEL OF THE SAME LENGTH MAY BE USED TO SEPARATE DOORS AND WINDOWS FROM TRANSOM ABOVE. TOP PRECAST TO BE SIZED PER PLAN. ANY RECESSED LINTEL MAY BE SUBSTITUTED FOR A STANDARD LINTEL OF SAME CONFIGURATION.

4.7 \_ IN CASE OF LOTS LOCATED WITHIN ANY FLOOD ZONE, THE F.F.E. - FINISHED FLOOR ELEVATION IS TO BE SET, AT MINIMAL, 1 FOOT AND A HALF (1.5') ABOVE THE B.F.E. - BASE FLOOD ELEVATION.



3 LINTEL LAYOUT  
N.T.S.



(407) 375-3563

SOLUTIONS@AVANTECH.COM

CONSULTING ENGINEER

P.E. JEFFREY  
SANON

P.E. # 70946

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PROJECT

CAMBURI V2

CONTENT

LINTEL AND DOWEL  
PLANS

P.E. SEAL AND SIGN

REVISIONS

DESCRIPTION	DATE
1 - HEADER NOTES UPDATED	02/13/2025

CURRENT VERSION - V00 (11/25/2024)

PROJECT 2024-0819

DATE 04/03/2025

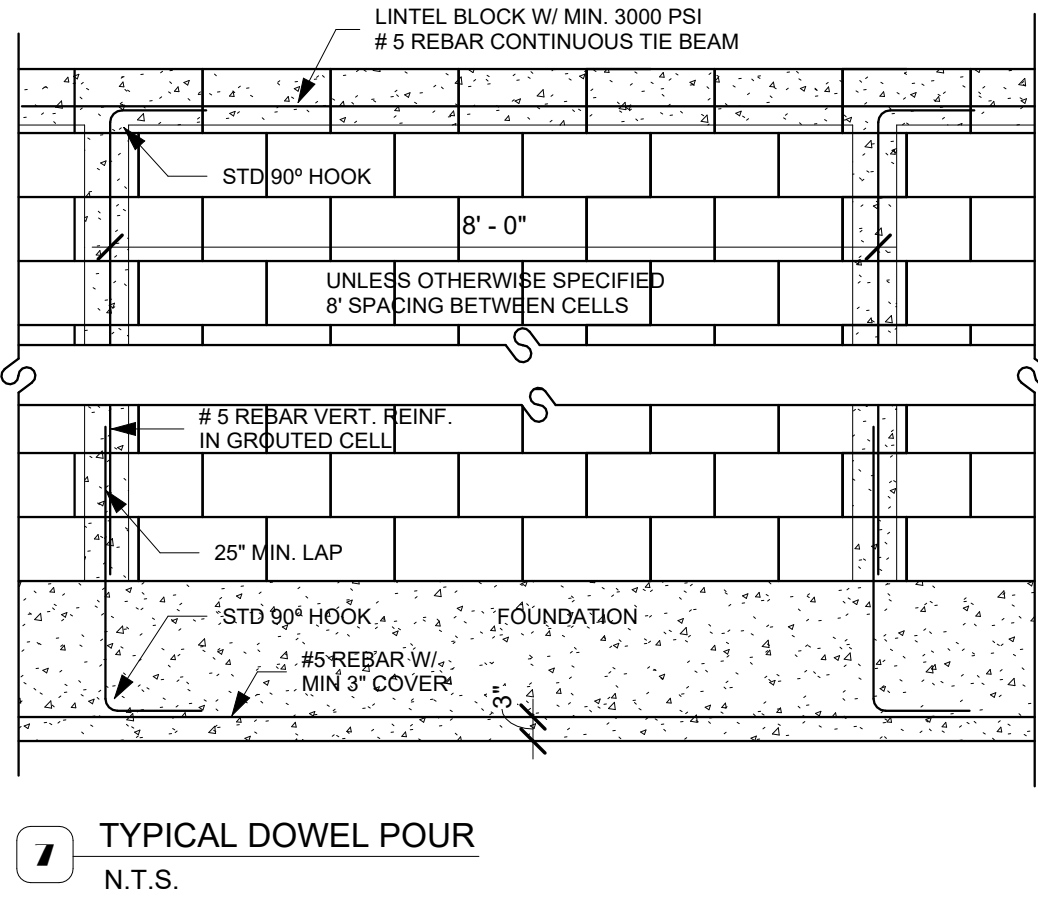
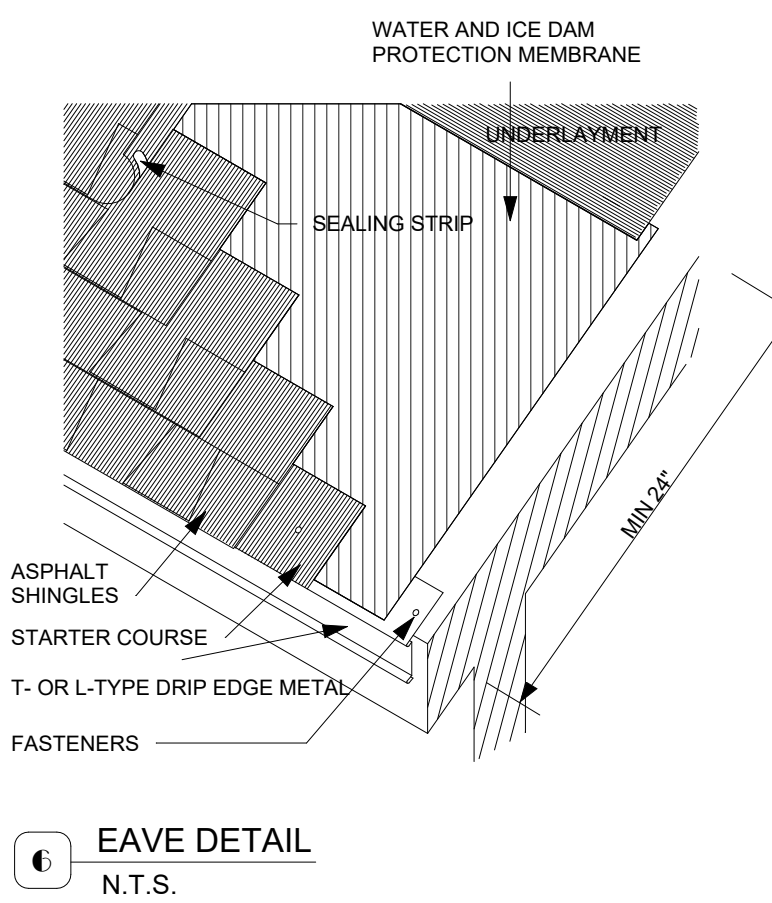
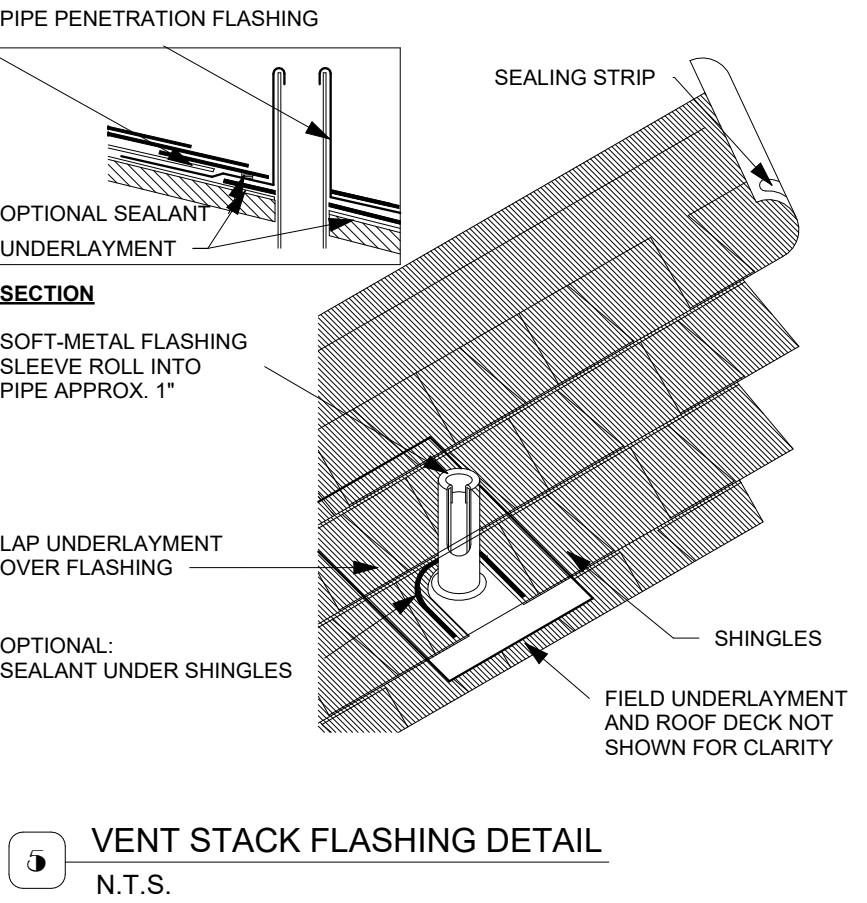
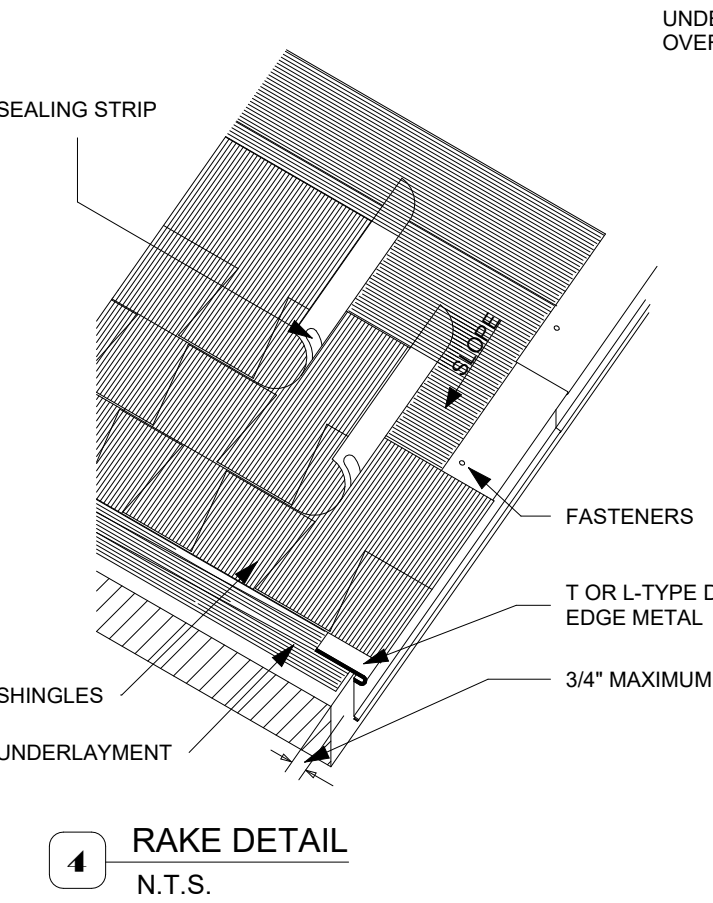
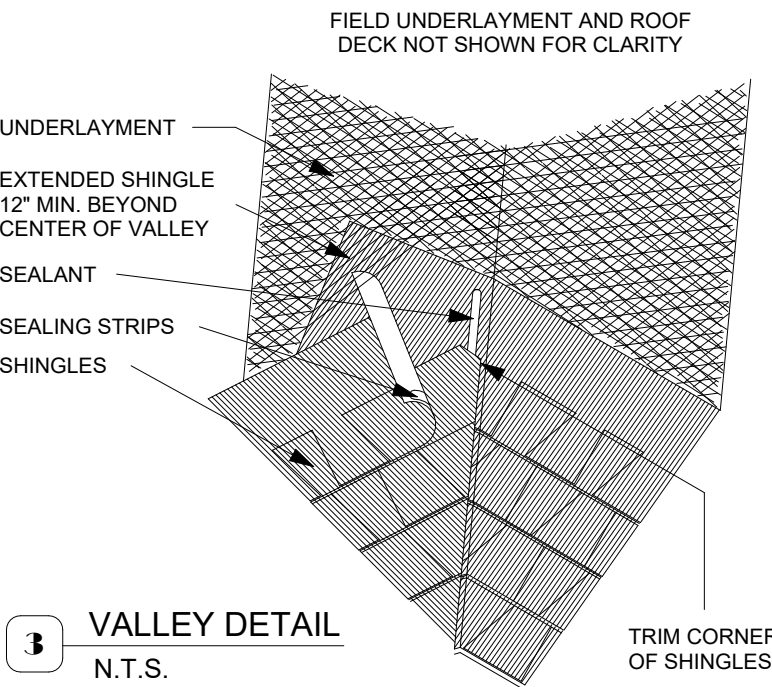
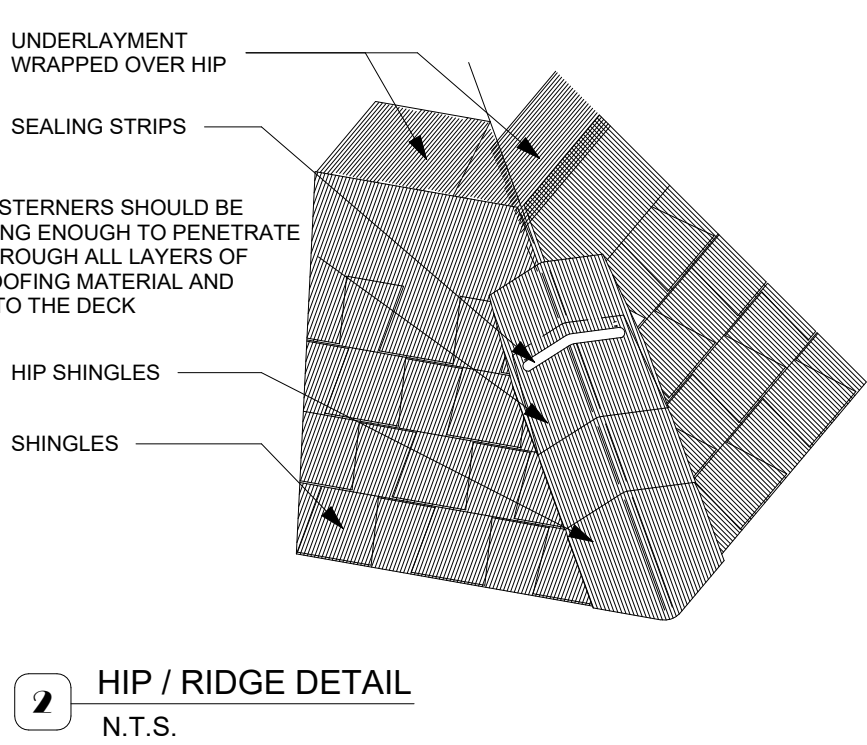
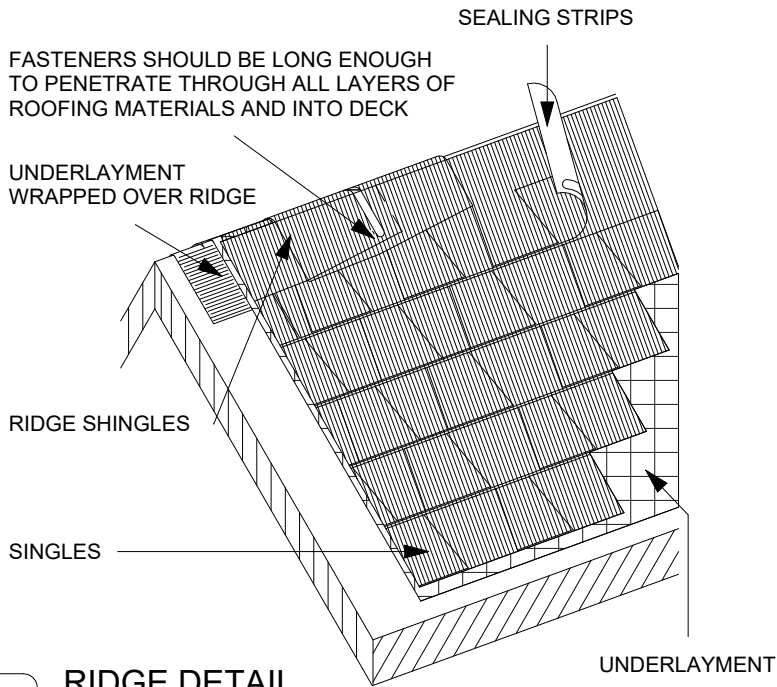
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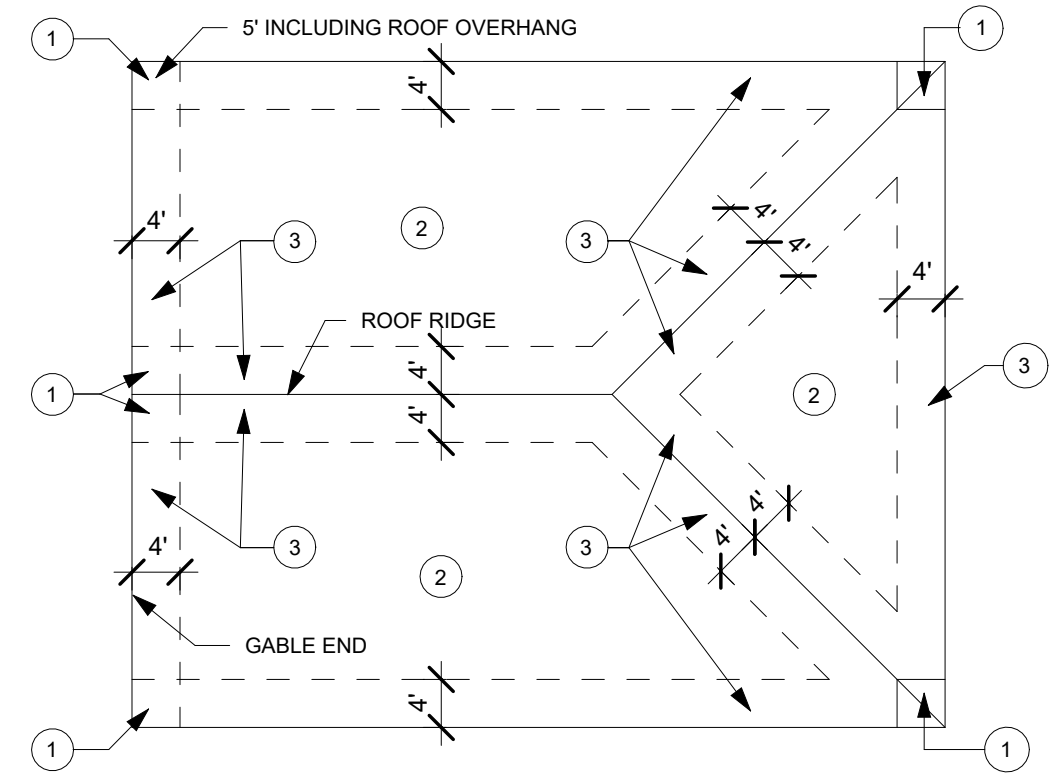
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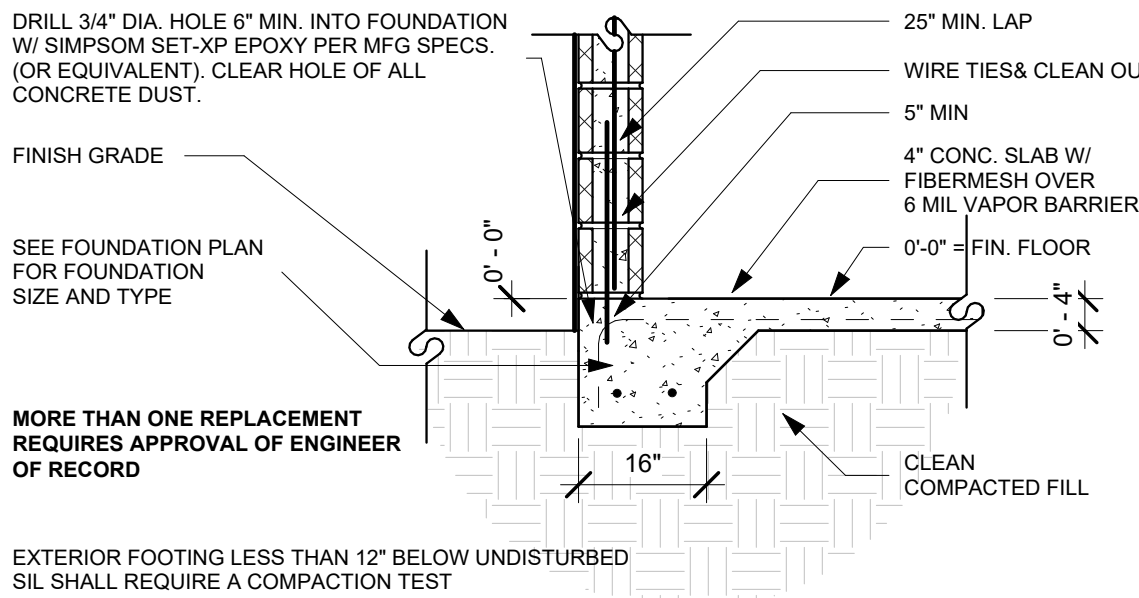
## 115 THROUGH 155 MPH ULTIMATE DESIGN WIND SPEED FOR EXPOSURE B AND C



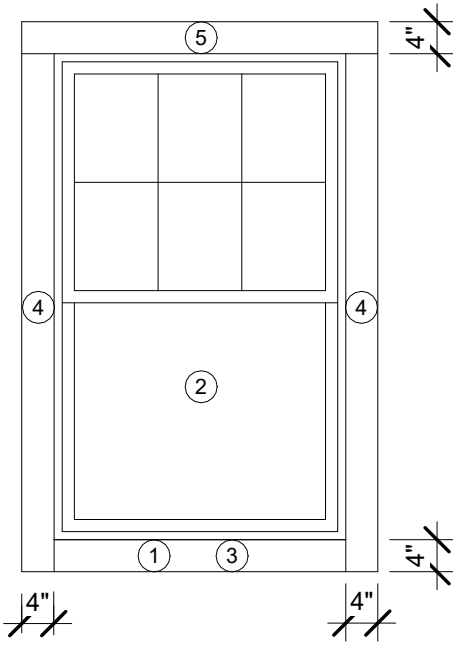
- 2 1/4" x .089" DIAMETER POWER DRIVEN COATED SCREW OR .113" DIAMETER RING SHANK NAILS MAY BE USED IN LIEU OF 8d COMMON NAILS WITH REDUCED SPACING AS FOLLOWS: 12" SPACE CHANGES TO 6", 6 CHANGES TO 4", AND 4" CHANGES TO 2 1/2"
- EDGE SPACING ALSO APPLIES OVER GABLE END WALLS OR TRUSSES.
- 2 1/2" x .131 DIAMETER POWER DRIVEN COATED SCREW OR .131 DIAMETER RING SHANK NAILS MAY BE USED IN LIEU OF 8d COMMON NAILS W/ NO REDUCED SPACING.
- LONG SIDE OF SHEATHING TO BE PERPENDICULAR TO TRUSSES OR RAFTERS-TYPICAL.
- ROOF IS DESIGNED AS AN UNLOCKED DIAPHRAGM. BLOCKING OF ALL PANEL EDGES (INCLUDING RIDGE) IS NOT REQUIRED. HIP AND VALLEYS ARE BLOCKED PER SPAN RATING OF PLYWOOD.
- SHEATHING MUST BE 7/16" PLYWOOD OR 15/32" OSB.
- PER ICC-ES EVALUATION REPORT ESR 1539 - TABLE 2 - NAILS AND STAPLES REFERENCE WITHDRAWAL AND DESIGN VALUES. THE 8d COMMON (0.131) ACHIEVES A GREATER WITHDRAWAL VALUE AT THE SPECIFIC GRAVITY FOR SYP (0.55) OF 41 LBS PER IOP, COMPARED TO THE 8d RING SHANK (0.113) WHICH HAS A WITHDRAWAL VALUE OF 38 LBS PER IOP IN SYP.

## ROOF SHEATHING FASTENING SCHEDULE

ROOF SHEATHING	NAILS	PANEL LOCATIONS	ROOF FASTENING ZONES		
7/16" PLYWOOD OR 15/32" OSB	8d COMMON (SEE NOTE #7)	PANEL EDGES @ SUPPORTS (3)	1 6" O.C.	2 6" O.C.	3 6" O.C.
		PANEL FIELD	6" O.C.	6" O.C.	6" O.C.

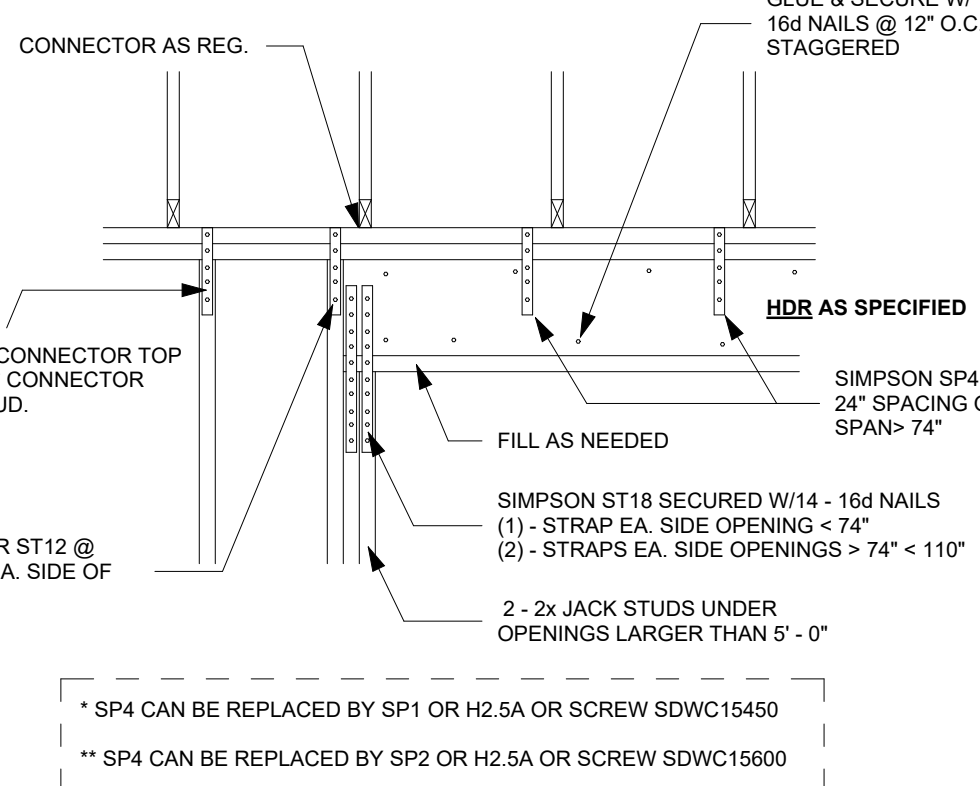


## DOWEL REPLACEMENT DETAIL N.T.S.



- THROUGHOUT INSTALLATION, KEEP THE WINDOW JAMBS PLUMB AND SQUARE. KEEP HEAD AND SILL LEVEL AND SQUARE. MAKE SURE HEAD AND SILL ARE NOT CROWNED UP OR DOWN.
- CONSTANTLY CHECK WIDTH AT MEETING RAILS (i.e. DOUBLE HUNG) TO AVOID "BOWES OUT" INSTALLATION.
- APPLY GENEROUS BEAD OF CAULK ALONG INTERIOR SURFACE OF NAILING FIN ON ALL SIDES PRIOR TO SETTING WINDOW INTO OPENING.
- PLACE 1/4" SHIMS AT SILL CORNERS AND SET WINDOW INTO SHIMS. CENTER THE WINDOW IN THE OPENING ALLOWING A 1/4" GAP BETWEEN WINDOW AND FRAMING MATERIAL ON EACH SIDE. WHEN INSTALLATION IS COMPLETE, THESE S SHIMS MAY BE REMOVED.
- INSTALL FASTENERS (STRAIGHT, NOT ANGLED) IN EVERY OTHER FASTENER SLOT STARTING AT THE MIDDLE OF THE WINDOW. FASTENER MUST BE EMBEDDED INTO SOLID WOOD A MINIMUM OF 1" KEEP WINDOW LOCKED UNTIL ALL SIDES ARE SECURED.
- CAULK OVER FASTENERS AND ANY FASTENER SLOT NOT USED
- CAULK OUTSIDE PERIMETER OF INSTALLED WINDOW.
- INSULATE AROUND PERIMETER WITH BATT TYPE INSULATION. DO NOT USE EXPANDABLE FOAM. THE USE OF EXPANDABLE FOAM WILL VOID WARRANTY.
- FOR ANY INSTALLATION FINISHED WITH BRICK OR STONE, ALLOW 1/4" GAP AT SILL BETWEEN STRUCTURE AND WINDOW. THEN, CAULK THIS GAP.
- CAULK GAP BETWEEN INSTALLED WINDOW EXTERIOR PERIMETER AND J-CHANNEL (OR BRICK OR OTHER EXTERIOR FINISHING MATERIAL WHITH SURROUNDS WINDOW).

- IMPORTANT:**
- IT IS THE RESPONSIBILITY OF THE OWNER OR BUILDER TO SELECT PRODUCTS IN COMPLIANCE WITH APPLICABLE LAWS AND BUILDING CODES.
  - DO NOT USE MURIATIC ACID ON HOMES AFTER INSTALLING THIS WINDOW. THE ACID MAY DESTROY THE COIL SPRING BALANCE SYSTEM. WINDOWS WILL NOT BE INDER WARRANTY IF EXPOSED TO MURIATIC ACID.
  - DO NOT LAY WINDOWS FLAT OR STORE IN SUN BEFORE INSTALLING.
  - ALL WARRANTIES NULL AND VOID IF ANY VERTICAL HOLES ARE PUT INTO WINDOW SILL AREA OF ANY WINDOW.



## WOOD HEADER SCHEDULE

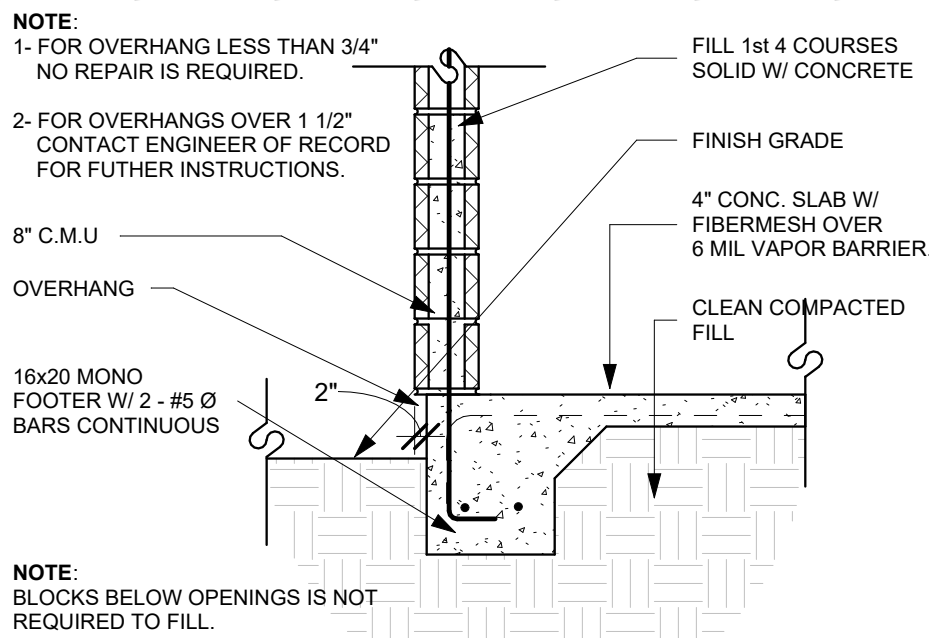
SYMBOL (n) IN THIS TABLE IS FOR EXTERIOR (A) OR INTERIOR (B)

SYMBOL	DESCRIPTION	OPENING WIDTH
HE1	(2) 2"x16" W/ 1/2" PLYWOOD FLITCH (SEE DETAIL)	11' - 0" TO 16' - 0"
H1(n)	(2) 2"x12" W/ 1/2" PLYWOOD FLITCH (SEE DETAIL)	7' - 1" TO 11' - 0"
H2(n)	(2) 2"x10" W/ 1/2" PLYWOOD FLITCH (SEE DETAIL)	5' - 1" TO 7' - 0"
H3(n)	(2) 2"x8" W/ 1/2" PLYWOOD FLITCH (SEE DETAIL)	3' - 1" TO 5' - 0"
H4(n)	(2) 2"x6" W/ 1/2" PLYWOOD FLITCH (SEE DETAIL)	0' - 0" TO 3' - 0"
H5(n)	PRE-ENGINEERING HDR BY TRUSS CO. (SEE DETAIL)	
H6(n)	FLOOR CONNECTION AT HDR. (SEE DETAIL)	

## NOTES

- USE HEADER SIZES UNLESS NOTED OTHERWISE ON FRAMING PLAN
- PRIMARY FRAMING (GINDERS, BEAMS, ETC.) 1800 "Fb" EXTREME FIBER IN BENDING (SINGLE) 90 "Fb" HORIZONTAL SHEAR 1.6 E "E" MODULOS OF ELASTICITY
- JOIST, RAFTERS, HEADERS, ETC. WERE SIZED USING 1800 "Fb" EXTREME FIBER IN BENDING (SINGLE) 90 "Fb" HORIZONTAL SHEAR 1.6 E "E" MODULOS OF ELASTICITY

## TYP. INT. HDR DETAIL H1B THRU H5B



## RETROFIT WALL OVERHANG DETAIL FOR OVERHANG BETWEEN 3/4" TO 1 1/2" - NTS

## SOIL POISONING FOR TERMITE CONTROL

### 1 \_ GENERAL

- SCOPE: FURNISH ALL LABOR, MATERIALS AND EQUIPMENT NECESSARY TO COMPLETE THE APPLICATION OF SOIL POISONING FOR THE TERMITE CONTROL AS SPECIFIED HEREIN.
- CONTRACTOR'S QUALIFICATIONS: APPLICATOR SHALL BE LICENSED IN THE STATE WHERE THE PROJECT IS LOCATED AND SHALL BE NATIONALLY KNOWN COMPANY.
- GUARANTEE
  - TERMITE PROTECTION TREATMENT SHALL BE GUARANTEED FOR PERIOD AT FIVE EARS AGAINST FAULTS INFESTATION. GUARANTEE SHALL INCLUDE ANY YEARLY RENEWAL COS S. REPAIRS OR TERMITE DAMEGE PAID BY TERMITE COMPANY.
  - AT THE OWNER'S OPTION: AT THE TERMINATION OF THE GUARANTEE, AN EXTENSION RENAVAL OF INSPECTION AND SERVICE TREATMENT SHALL BE MADE AVAILABLE TO THE OWNER.
- SURETY BOND: GUARANTEE SHALL BE INSURED A SURETY BOND MADE OUT TO THE OWNER. LIABILITY UNDER THE BAND SHALL BE FOR UP TO 75,000.

### 2 \_ PRODUCTS

- SOIL POISONS APPLIED TO THE DESIGNATED AREAS SHALL BE WATER BASED EMULSIONS CONTAINING TOXICANTS IN EITHER OF THE TWO COMBINATIONS LISTED BELOW. EACH TOXICANT SHALL BE IN THE CONCENTRATION (BY WEIGHT)
  - CHLORDANE (1.0%) AND DIELDRIN (0.5%)
  - CHLORDANE (1.0%) AND HEPTACHLOR (0.16%)

### 3 \_ EXECUTION

- RESTRICTIONS:** DO NOT APPLY SOIL TREATMENT SOLUTION UNTIL EXCAVATING, FILING AND GRADING OPERATIONS ARE COMPLETED. EXCEPT AS OTHERWISE REQUIRED IN CONSTRUCTION OPERATIONS. TO ENSURE PENETRATION, DO NOT APPLY SOIL TREATMENT TO EXCESSIVELY NET SOIL OR DURING INCLEMENT WEATHER.
- SURFACE PREPARATION:** REMOVE FOREIGN MATTER WHICH COULD DECREASE EFFECTIVENESS OF TREATMENT ON AREAS TO BE TREATED. LOOSEN, RAKE AND LEVEL SOIL TO BE TREATED. EXCEPT PREVIOUSLY COMPACTED AREAS UNDER SLABS AND FOUNDATIONS. TOXICANTS MAY APPLY BEFORE PLACEMENT OF COMPACTED FILL UNDER SLABS, IF ACCEPTABLE TO THE ENGINEER.
- APPLICATION RATES:** APPLY SOIL TREATMENT SOLUTION AS FOLLOW:
  - WITHIN BUILDING AREA, WITH OR WITHOUT SLAB-ON-GRADE, AT THE RATE OF 1.5 GAL. PER 10 SQFT.
  - UNDER FOUNDATIONS AND FOOTING, INCLUDING HORIZONTAL AND VERTICAL SURFACES OF EXCAVATIONS, AT THE RATE OF 1 GAL. PER 10 SQFT.
  - OUTSIDE BUILDING PERIMETER IN A STRIP AT LEAST 2' WIDE AND UNDER PORCHER, AREAWAY, APRONS, WALKS, PADS, STAIRS LANDING, OR PAVED EXTENSIONS, AT A RATE OF 1 GAL. PER 5 SQFT.
- ALLOW NOT LESS THAN 12 HOURS FOR DRYING AFTER APPLICATIONS, BEFORE BEGINNING CONCRETE PLACEMENT OR OTHER CONSTRUCTIONS ACTIVITIES.
- POST SIGNS IN THE AREAS OF APPLICATIONS WARNING WORKERS THAT SOIL POISONING HAS BEEN APPLIED. REMOVE SIGNS WHEN AREAS ARE COVERED BY OTHER CONSTRUCTION.
- RE-APPLY SOIL TREATMENT SOLUTION TO AREAS DISTRIBUTED BY SUBSEQUENT EXCAVATION OR OTHER CONSTRUCTION ACTIVITIES FOLLOWING APPLICATION



(407) 375-3563

SOLUTIONSAVANTECH@GMAIL.COM

CONSULTING ENGINEER

P.E. JEFFREY SANON

P.E. # 70946

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PROJECT CAMBURI V2

CONTENT

CONSTRUCTION DETAILS

P.E. SEAL AND SIGN

## REVISIONS

DESCRIPTION	DATE
1 - HEADER NOTES UPDATED	02/13/2025

CURRENT VERSION - V00 (11/25/2024)

PROJECT 2024-0819

DATE 04/03/2025

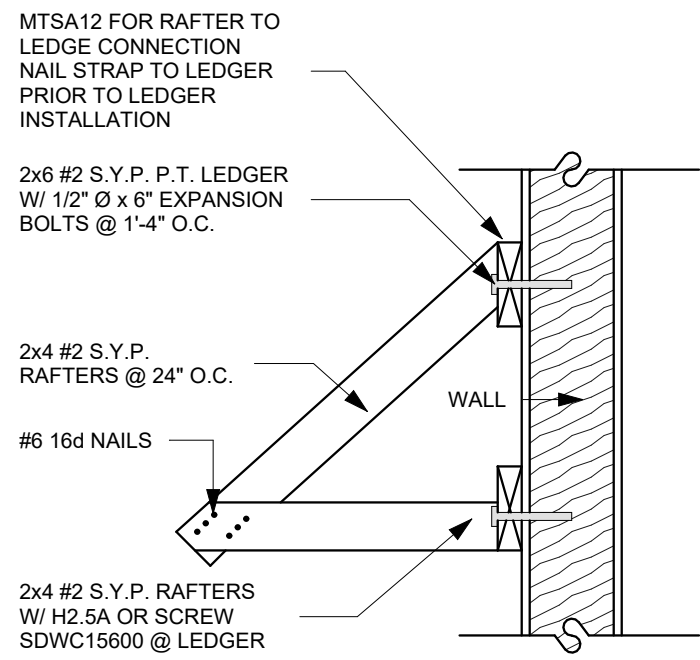
DRAWN BY Stefan Lemos

SCALE As indicated

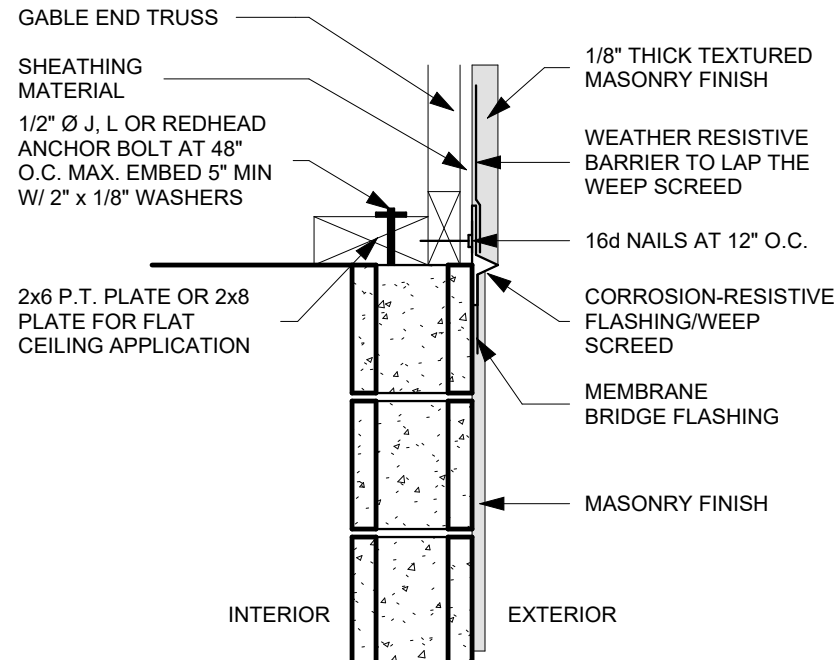
SHEET

D1.0

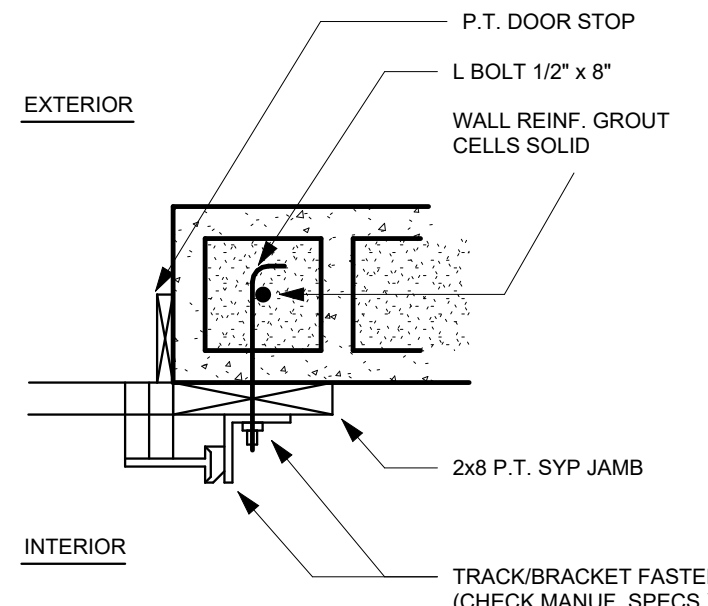




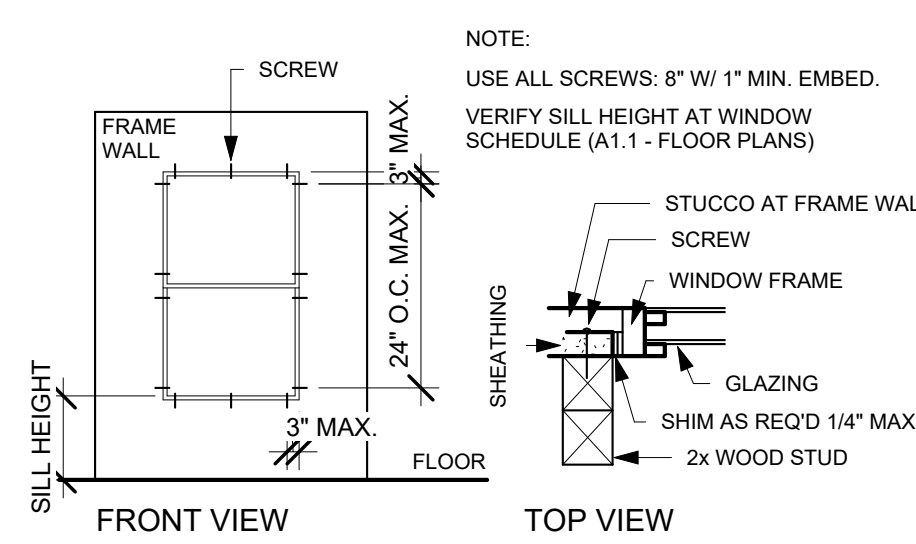
1 ROOF LEDGER @ RAFTER  
N.T.S.



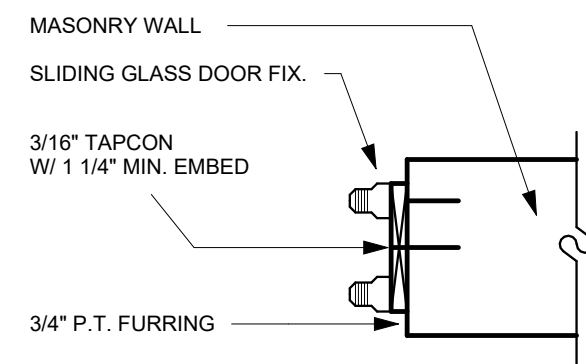
2 WEEP SCREED  
N.T.S.



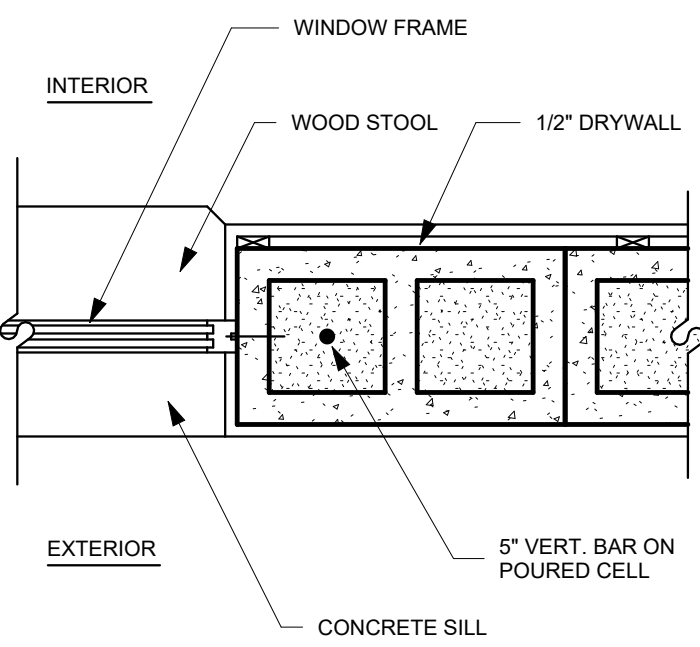
3 DOOR @ MASONRY FIX  
N.T.S.



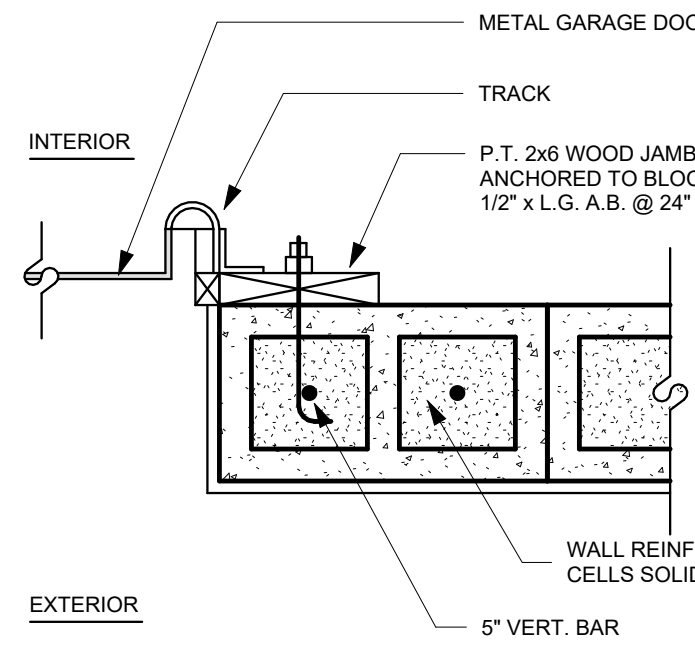
4 WINDOW (FRAME) INSTALLATION  
N.T.S.



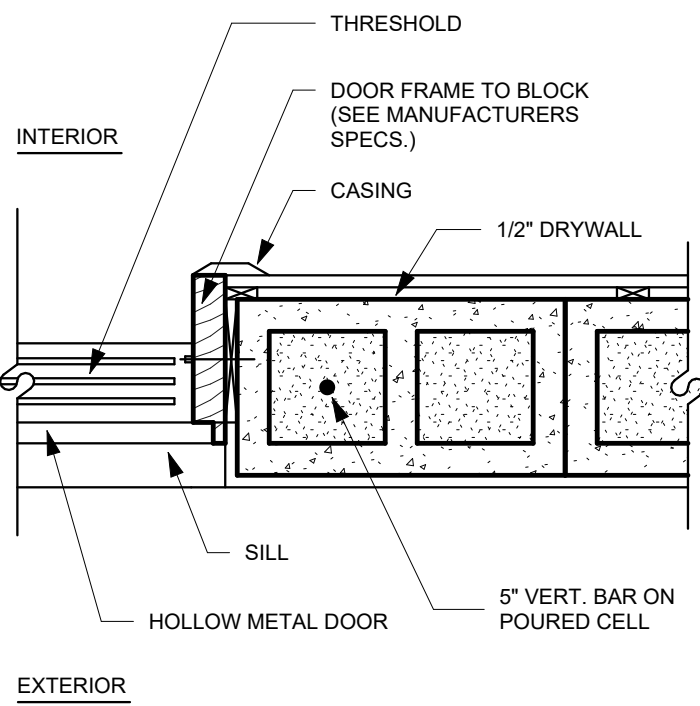
5 SLIDING GLASS DOOR FIX  
N.T.S.



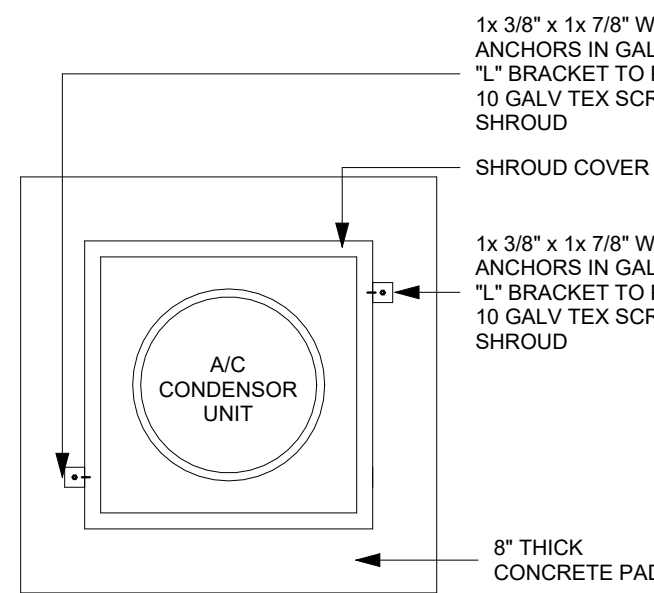
6 JAMB - WINDOW (HEAD SAME)  
N.T.S.



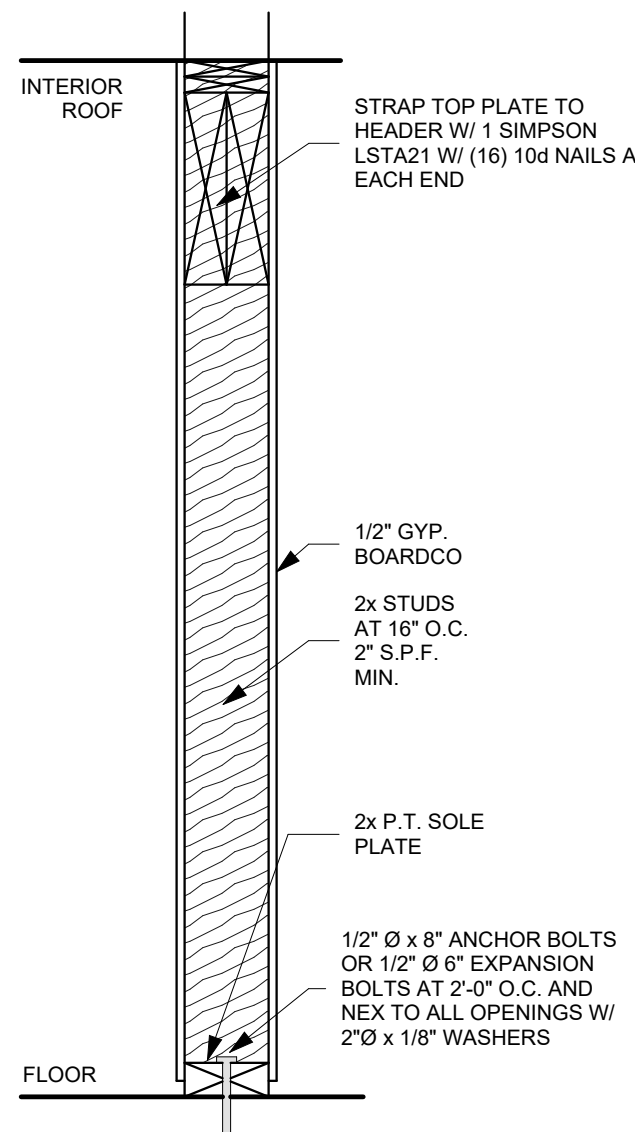
7 JAMB - GARAGE DOOR  
N.T.S.



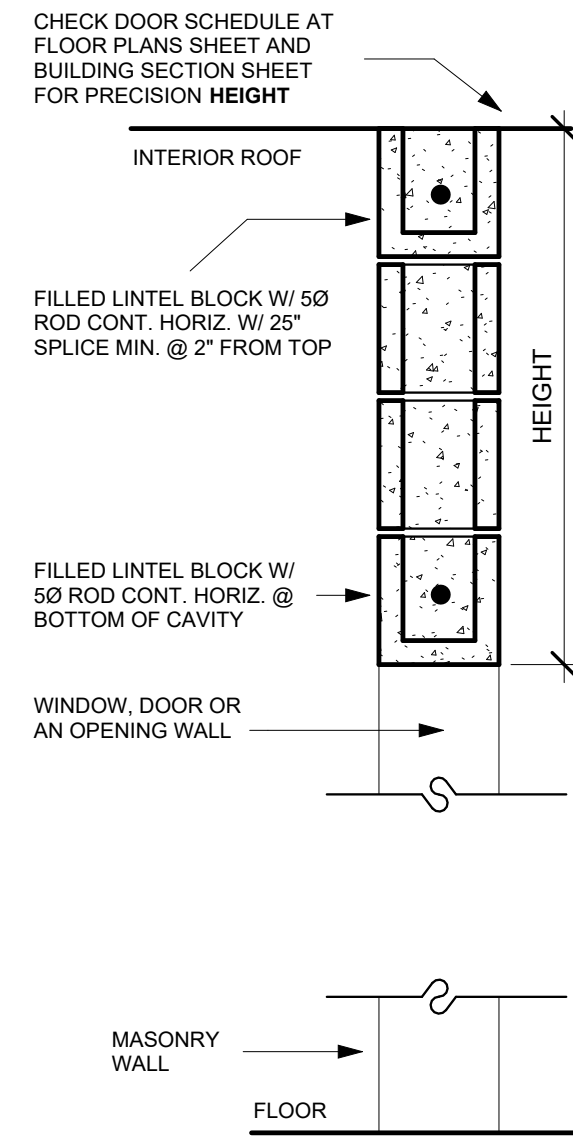
8 JAMB - EXTERIOR DOOR  
N.T.S.



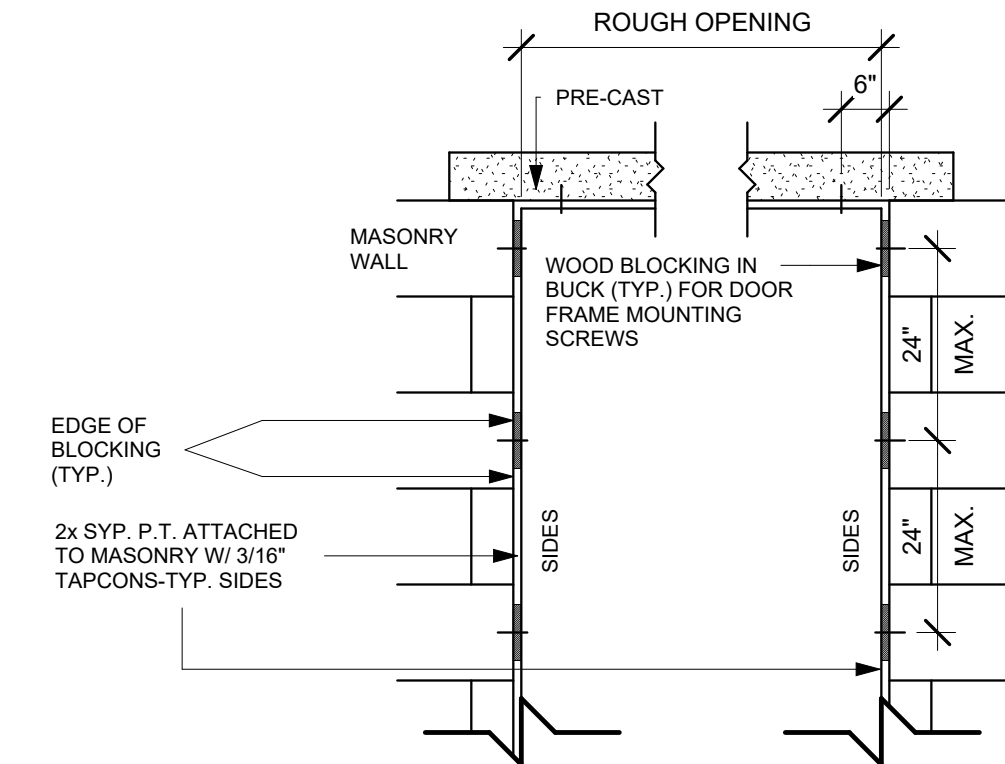
9 FIX CONDENSOR UNIT  
N.T.S.



10 FRAME STRUCTURE  
N.T.S.

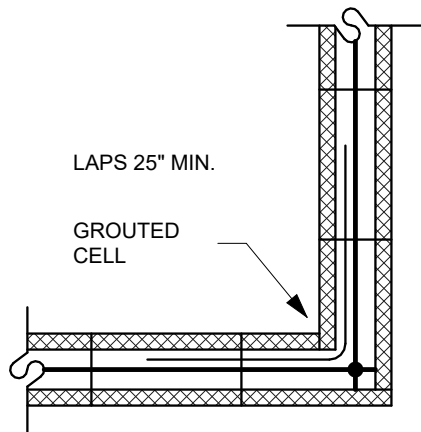


11 LINTEL @ OPEN DETAIL  
N.T.S.

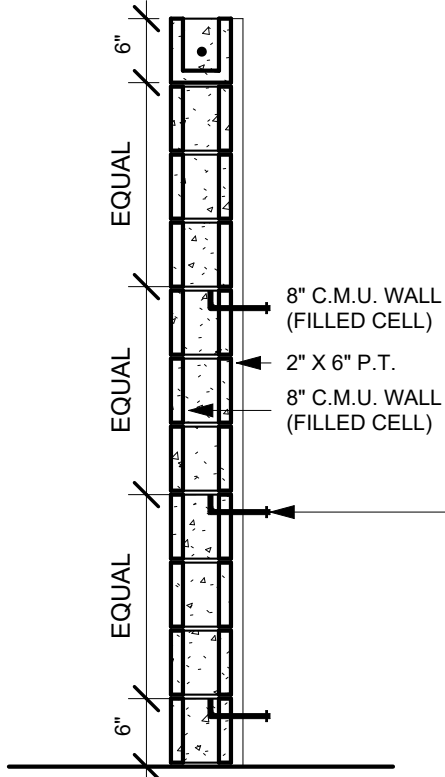


NOTES:  
DOORS AND WINDOWS TO BE INSTALLED/FASTENED TO STRUCTURAL SUBSTRATE AS PER MANUFACTURER'S SPECIFICATIONS.  
2X BUCKS / NAILERS SHALL BE FASTENED TO MASONRY W/ 3/16" X 3" TAPCONS (MIN) IN 5/32" DIA. PILOT HOLE @ 4" FROM CORNERS AND 16" O.C. (MAX) ELSEWHERE.  
BUCKS LESS THAN 2X TO BE FASTENED W/ STRUCTURAL CONNECTION OF WINDOW TO STRUCTURE AS PER MANUFACTURER'S SPECIFICATIONS.  
IF ADDITIONAL SPACING IS REQUIRED, 1/2" STRUCTURAL SHEATHING OR 1X MAY BE USED WITH 3/16" TAPCONS, SIMILARLY SPACED, WITH MIN. 1-1/4" EMBEDMENT.

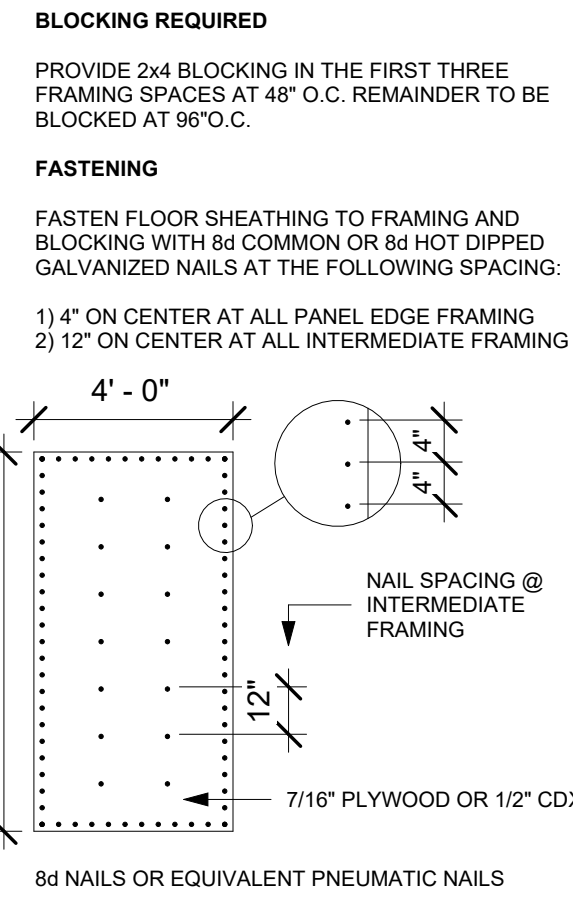
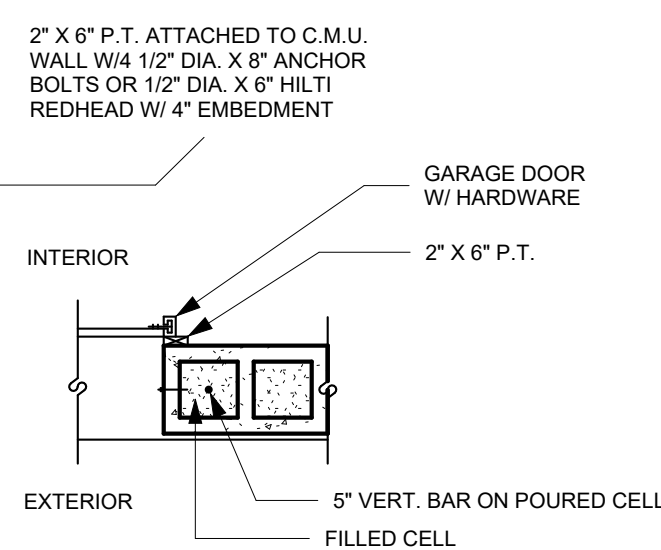
12 BUCK DETAIL  
N.T.S.



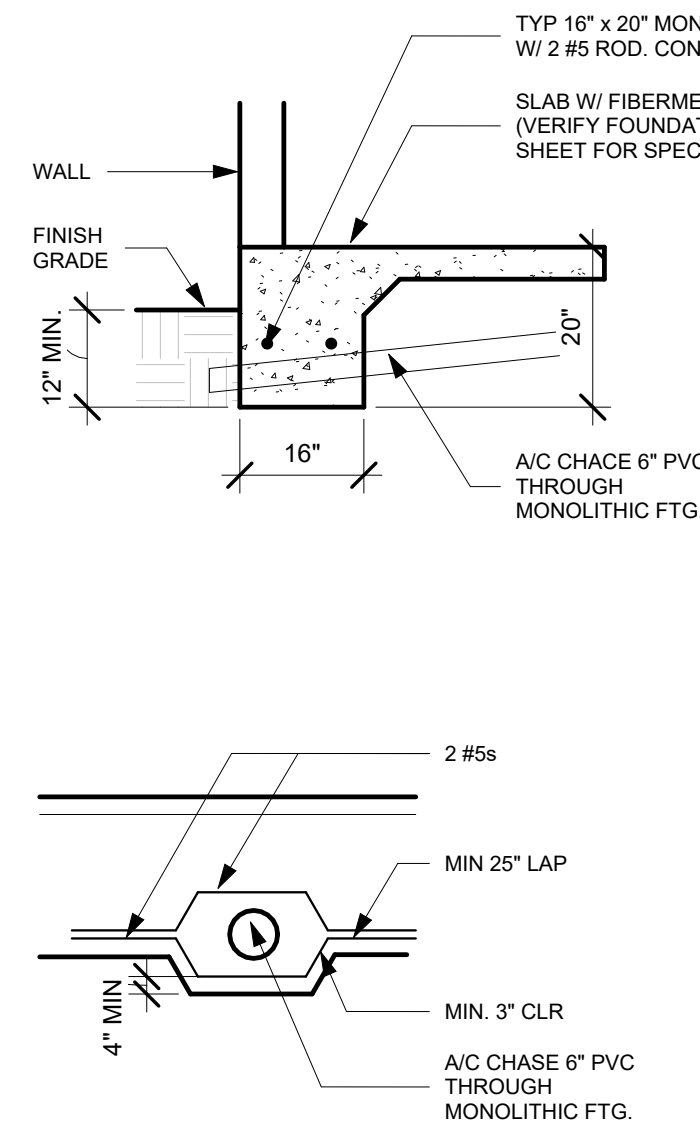
13 DOWELS AND CORNERS  
N.T.S.



14 GARAGE DOOR BUCK  
N.T.S.

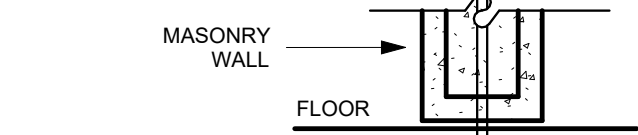
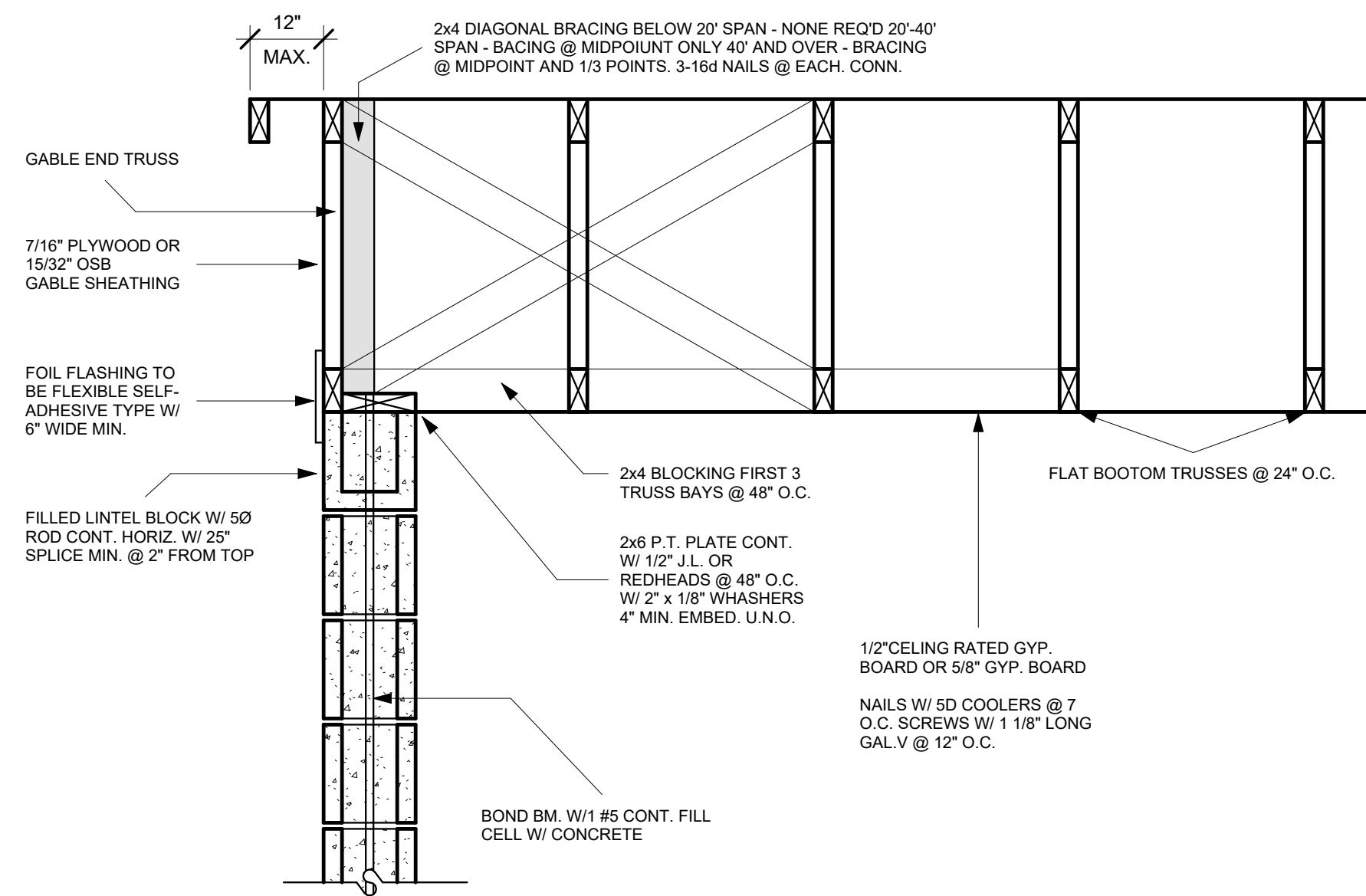


15 EXTERIOR WALL SHEATHING  
N.T.S.



NOTE:  
EXTERIOR FOOTING LESS THAN 12" BELOW UNDISTURBED SOIL SHALL REQUIRE A COMPACTION TEST

16 SLAB AND PIPES  
N.T.S.



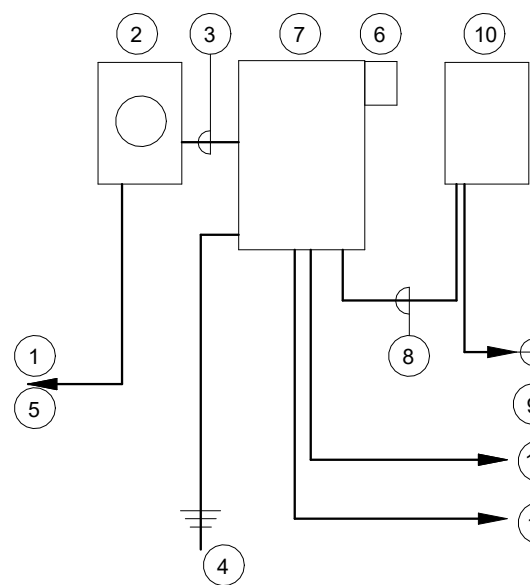
17 GABLE END ROOF  
N.T.S.

DESCRIPTION	DATE



DESCRIPTION	DATE

## ELECTRICAL SCHEDULE



### REFERENCED ELECTRICAL NOTES:

- \_ TO UTILITY POINT OF CONNECTION 240V. 1Ø . POLE & TRANSFORMER 3-3/0 CU IN 2" C OR EQUIVALENT.
- \_ 150 AMP. SELF CONTAINED POWER COMPANY METER, 120/240V, 1Ø.
- \_ 3-30. CU AND #6 CU GROUND IN 2" C OR EQUIVALENT.
- \_ PROVIDE GROUNDING ELECTRODE PER N.E.C MIN (2) 10" X 5/8" ROD CU. TO ACHIEVE 25 OHM OR LESS.
- \_ EXTEND TO UTILITY POLE WHEN APPLICABLE ADD PIPE SECTIONS ON THE POLE PER UTILITY REQUIREMENT.
- \_ LIGHTNING ARRESTOR
- \_ NEW PANEL 150 AMP M.C.B., 120/240, 1Ø, IN NEMA 3R ENCLOSURE.
- \_ 3-#30 CU AND #6 CU GROUND IN 2" OR EQUIVALENT.
- \_ CIRCUITS TO LIGHTING FIXTURE & APPLIANCES
- \_ SUB PANEL, 150A, MLO, 120/240, 1Ø, 42 POSITIONS, 0K AIC.
- \_ TO IRRIGATION CONTROLLER (WHERE EQUIPPED). SEE PLANS.
- \_ A/C COMPRESSOR, MIN #8 WITH GRD & DISCONNECT SWITCH.

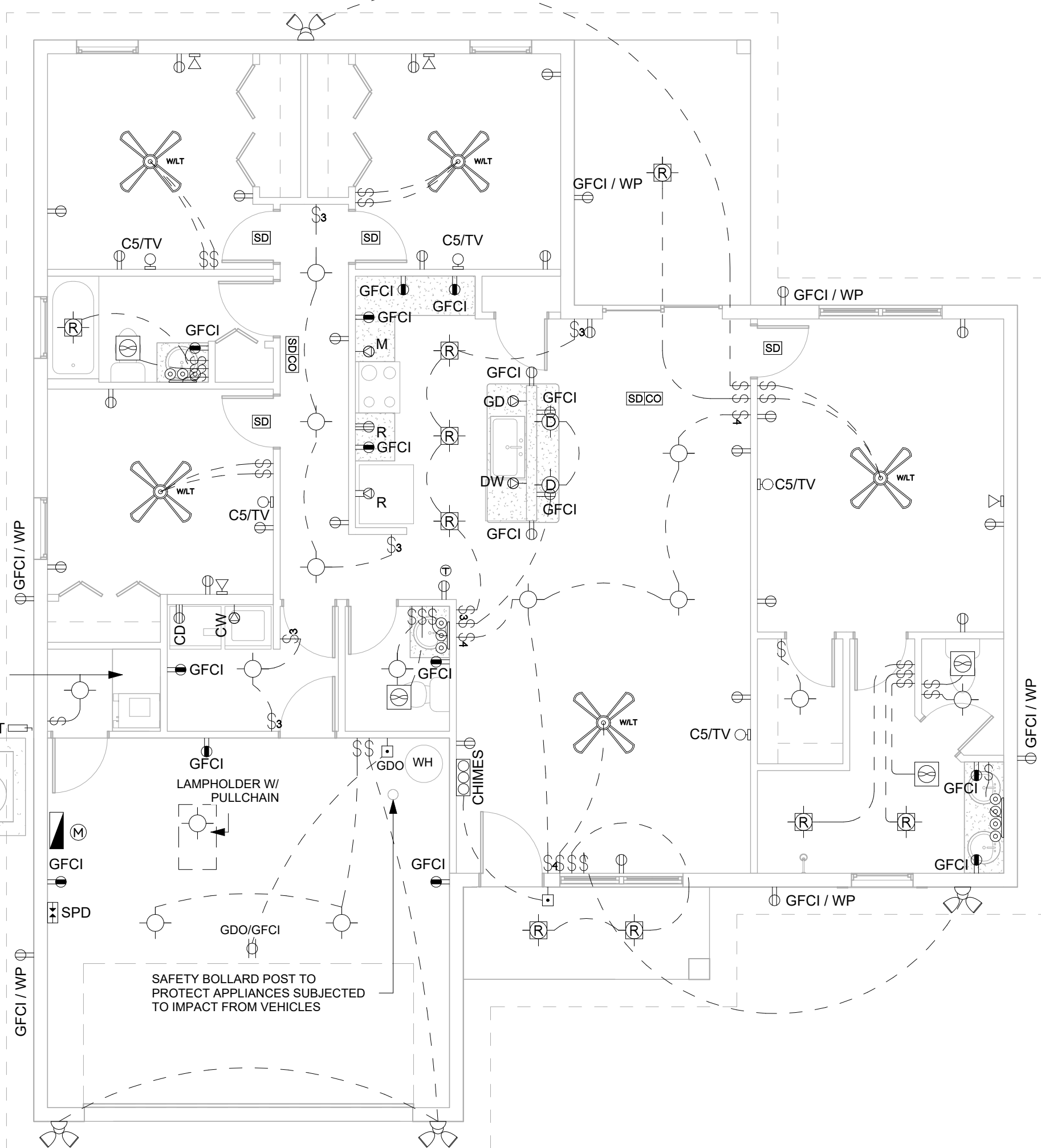
### RISER DIAGRAM 150A SERVICE N.T.S.

THIS DIAGRAMATIC PLAN IS INTENDED TO SHOW LIGHTING AND CONVENIENCE OUTLETS ONLY. AVANTEC ENGINEERING SOLUTIONS & ENGINEER WILL BEAR NO RESPONSIBILITY FOR THE ACCURACY. IT IS THE ELECTRICAL CONTRACTOR'S RESPONSIBILITY TO VERIFY THE REQUIREMENTS AND LOCATIONS OF ALL ELECTRICAL EQUIPMENT AND PROVIDE AND INSTALL COMPLETE ELECTRICAL SERVICE AS REQUIRED. ELECTRICAL CONTRACTOR TO SUBMIT ELECTRICAL PLAN AND PULL PERMIT AS REQUIRED.

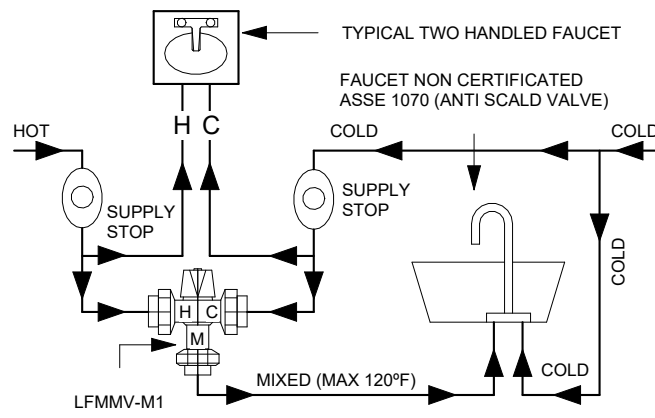
## NOTES

- \_ ALL DIMENSIONS ARE NOMINAL AND MAY VARY TO CONSTRUCTION. CONFIRM ALL R/O SIZES WITH SUPPLIER OF PRODUCTS (WINDOWS, DOORS, CABINETS, FIXTURES, ETC.). ADJUST AT CONSTRUCTION AS REQUIRED.
- \_ PLUMBING PLAN IS SCHEMATIC. ACTUAL LOCATION AND SIZE OF RISER VENTS SHALL BE DETERMINED BY A LICENSED FLORIDA PLUMBER. NO PLUMBING REQUIREMENTS SHALL INTERRUPT THE STRUCTURAL INTEGRITY OF THE BUILDING.
- \_ ELECTRICAL PLANS AS SHOWN MAY VARY. ACTUAL LAYOUT AND ELECTRICAL SERVICE TO BE DETERMINED BY A LICENSED FLORIDA ELECTRICIAN. PANEL SIZE AND LOCATION TO BE DETERMINED BY BUILDER AND ELECTRICIAN.
- \_ A/C PLAN IS SCHEMATIC. ACTUAL LAYOUT OF UNITS, DUCTS, R/A AND VENTS, ETC. SHALL BE DETERMINED BY A LICENSED FLORIDA HVAC CONTRACTOR.
- \_ CABINET DESIGNS AND DIMENSIONS MAY VARY SLIGHTLY FROM THOSE SHOWN. REFER TO CABINETS MTG DETAIL DRAWINGS FOR EXACT DIMENSIONS AND INSTALLATIONS.
- \_ VARIATIONS ARE CONCEPTUAL. ACTUAL CONSTRUCTION MAY VARY SLIGHTLY
- \_ ALL ELECTRICAL TO COMPLY WITH NEC 2023
- \_ ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION SHALL BE PROVIDED AS REQUIRED IN 210.12(A), (B), (C), AND (D). THE ARC-FAULT CIRCUIT INTERRUPTER SHALL BE INSTALLED IN A READILY ACCESSIBLE LOCATION. NEC 2023 - 210.12 - ARC-FAULT CIRCUIT-INTERRUPTER PROTECTION.
- \_ ALL SMOKE DETECTORS TO BE SMOKE AND CARBON MONOXIDE DETECTORS
- \_ ALL COUNTER TOP OUTLETS TO BE GFCI.
- \_ 2 LEG SURGE PROTECTION.
- \_ PROVIDE VAPOUR BARRIER LT. FIXTURE ABOVE TUB OR SH.
- \_ BOTH DISHWASHER AND GARBAGE DISPOSAL ARE GFCI.
- \_ THE SPD SHALL BE AN INTEGRAL PART OF THE SERVICE EQUIPMENT OR SHALL BE LOCATED IMMEDIATELY ADJACENT THERETO. NEC 2023 - 250.67 - SURGE PROTECTION. (B)
- \_ FOR ONE- AND TWO-FAMILY DWELLING UNITS, AN EMERGENCY DISCONNECTING MEANS SHALL BE INSTALLED IN A READILY ACCESSIBLE OUTDOOR LOCATION ON OR WITHIN SIGHT OF THE DWELLING UNIT. NEC 2023 - 230.85 - EMERGENCY DISCONNECTS. (A)

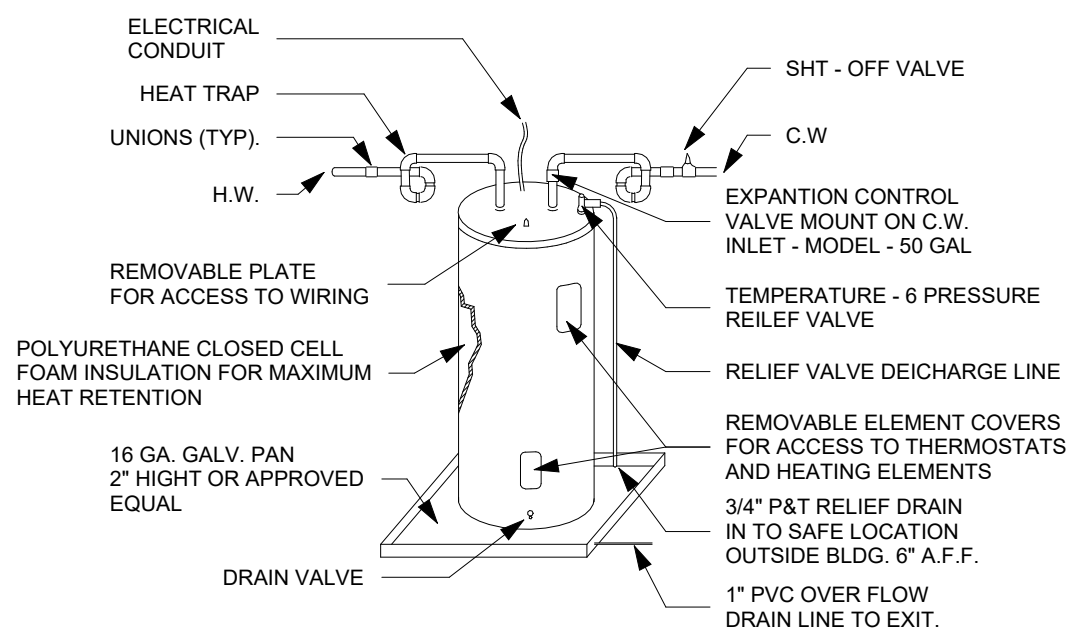
PANEL - "A" - 150 A.				MAIN BREAKER				10, 3W, S/N				120 / 240 V.				FLUSH			
CIRCUIT NO.				WIRE SIZE				BRKR SIZE				CIRCUIT NO.				WIRE SIZE			
1				(2) *10	15 A							2				(2) *8	25 A		
3												4							
5				(2) *8	40 A							6				(2) *10	30 A		
7												8							
9				*12	20 A							10				(2) *10	30 A		
11				*12	20 A							12							
13				*12	20 A							14				*12	20 A		
15				*12	20 A							16				*12	20 A		
17				*14	15 A							18				*12	20 A		
19				*14	15 A							20				*14	15 A		
21				*12	20 A							22				*14	15 A		
23				*14	15 A							24				*14	15 A		
25				*12	20 A							26							



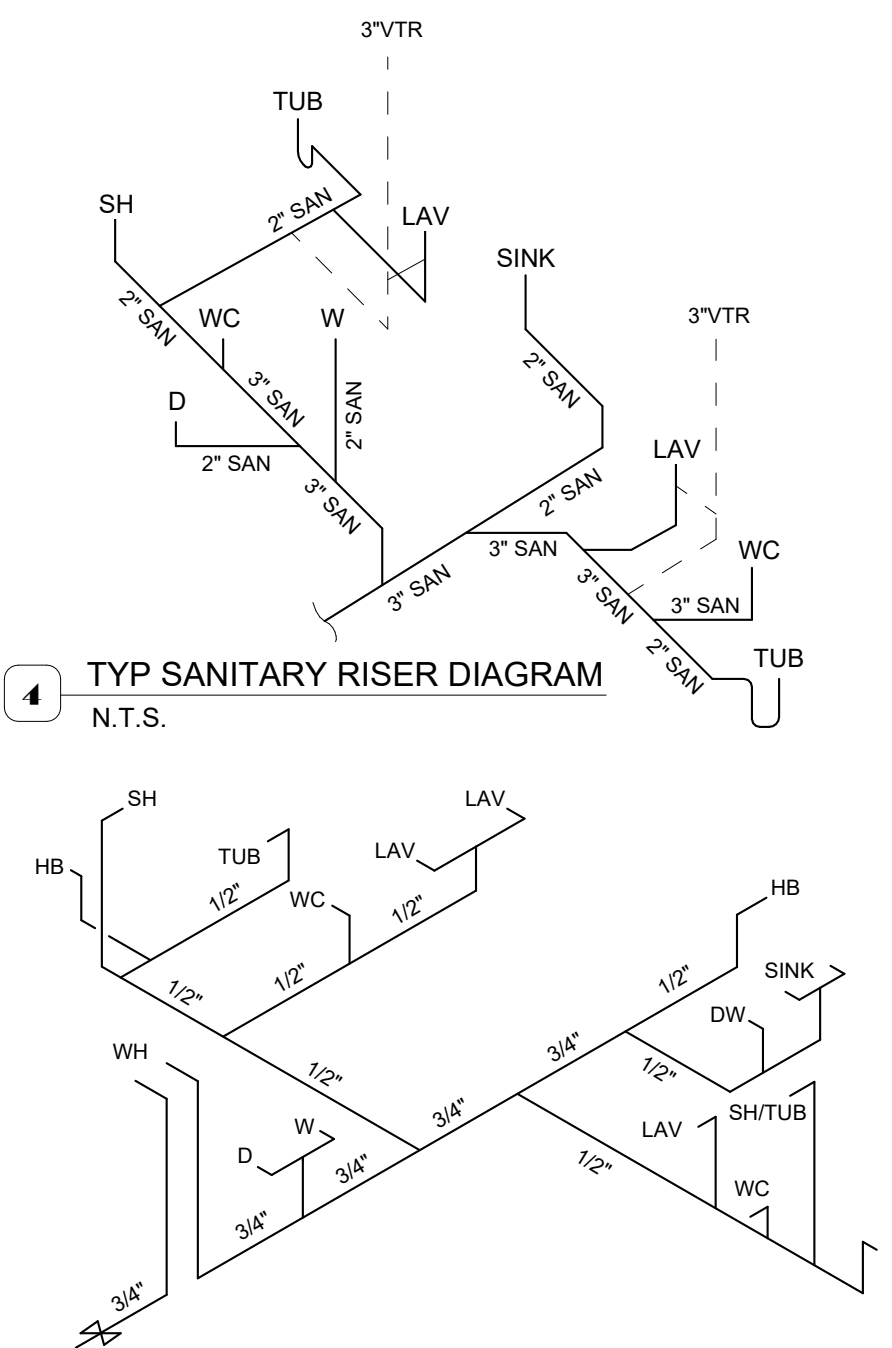
ELECTRICAL PLAN  
3/16" = 1'-0"



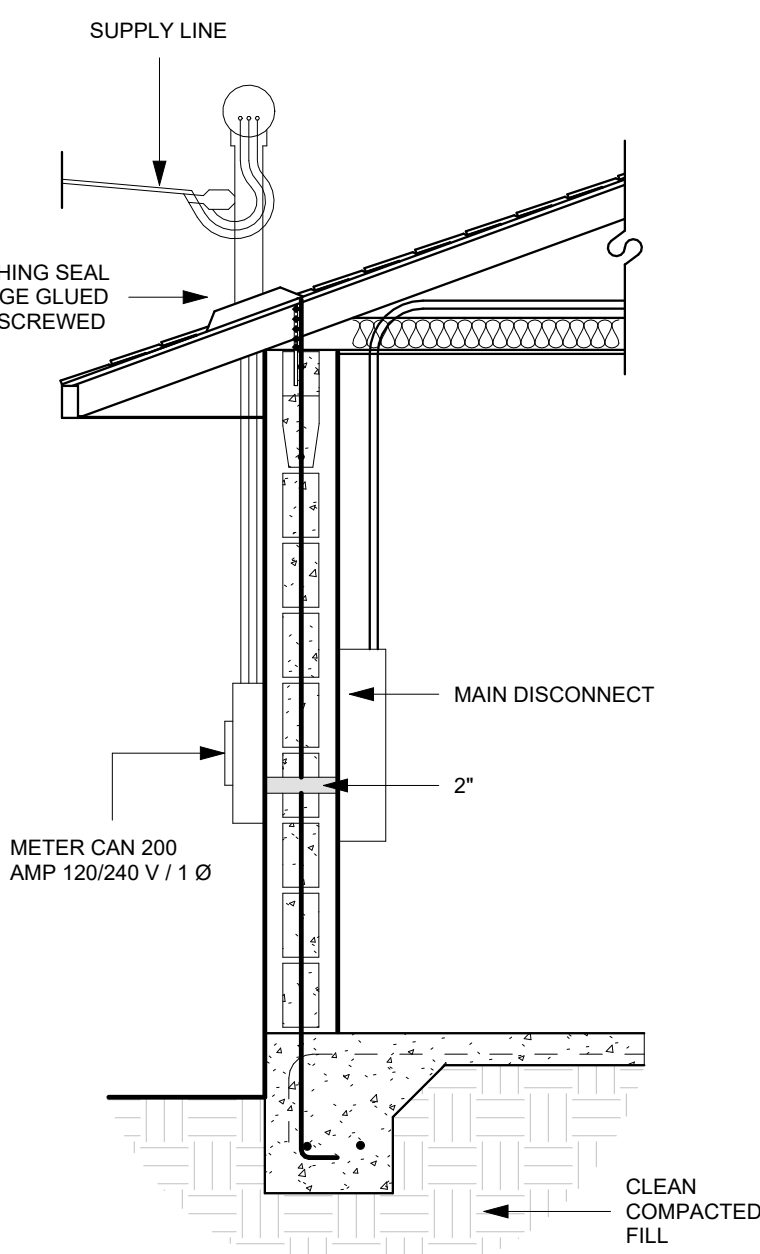
WHIRLPOOL BATHTUB VALVE  
RISER DIAGRAM - NTS



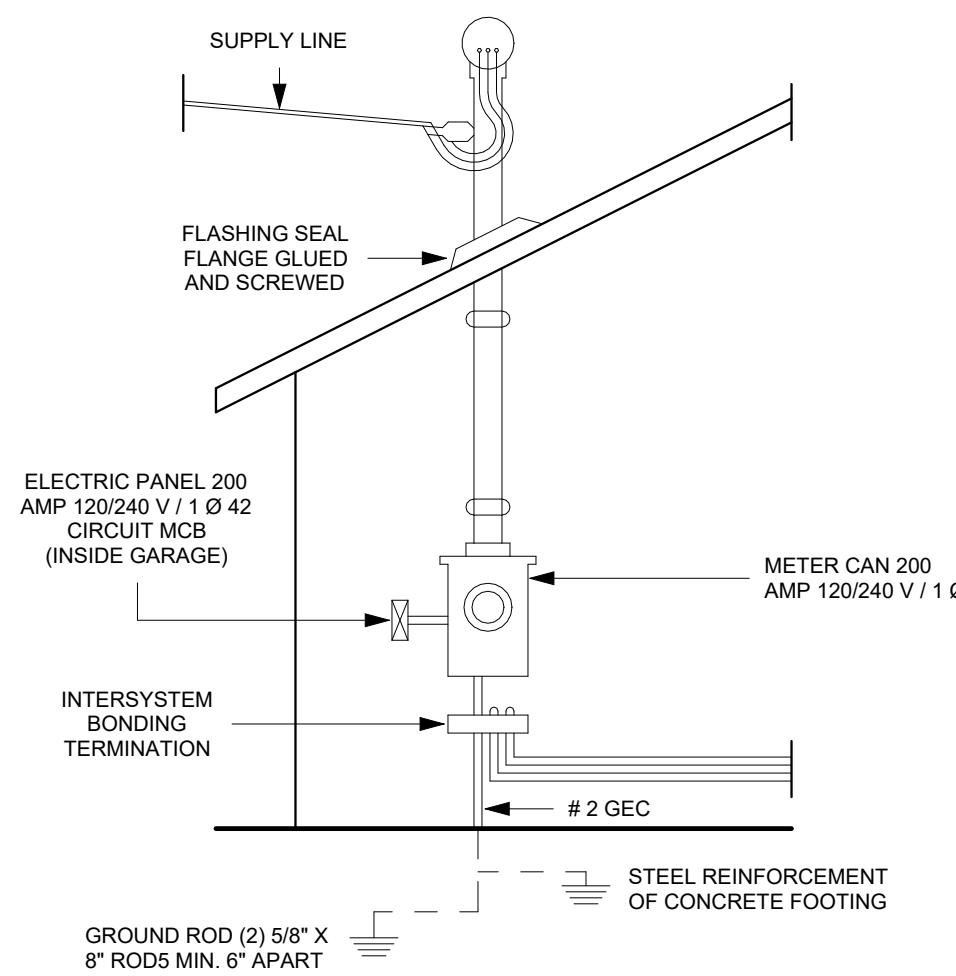
ELECTRIC WATER HEATER DETAIL  
N.T.S.



TYP. SUPPLY WATER  
N.T.S.



ENTRY SECTION DETAIL (INSIDE)  
N.T.S.



ELECTRICAL POWER DETAILS - OVERHEAD  
N.T.S.