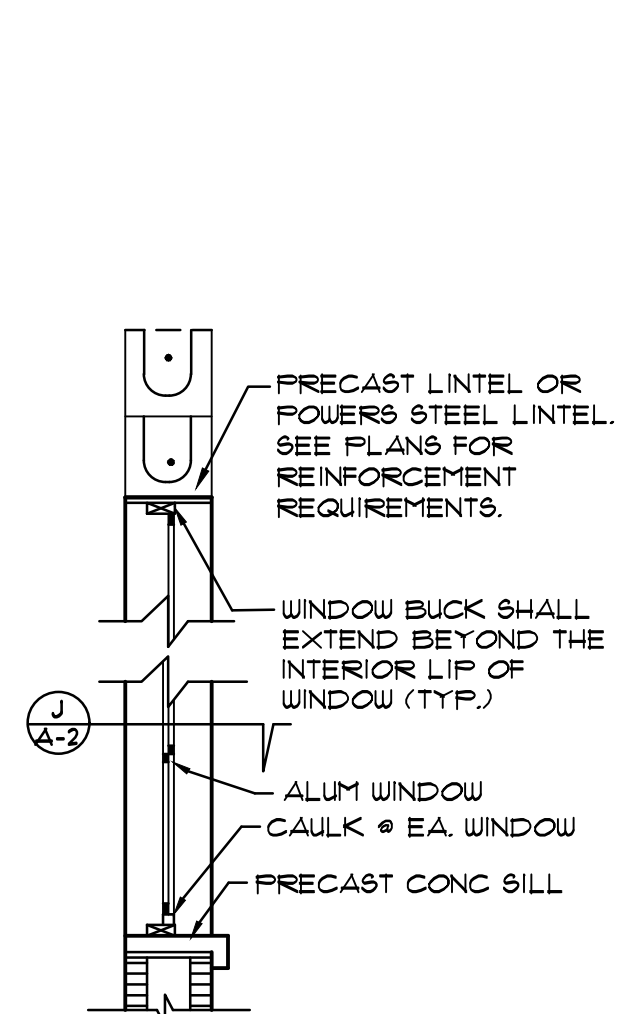
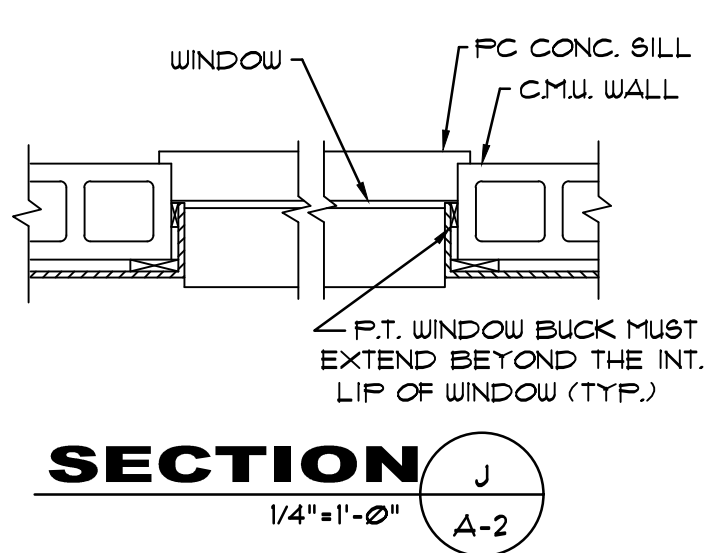


**EXTERIOR ELEVATION**  
1/4" = 1'-0"

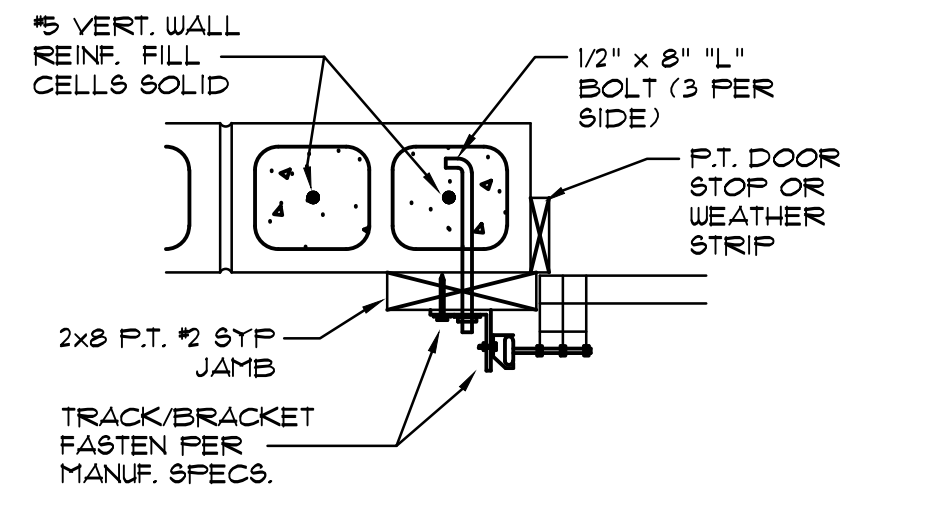


**WINDOW HEADER DETAIL**  
3/4" = 1'-0"

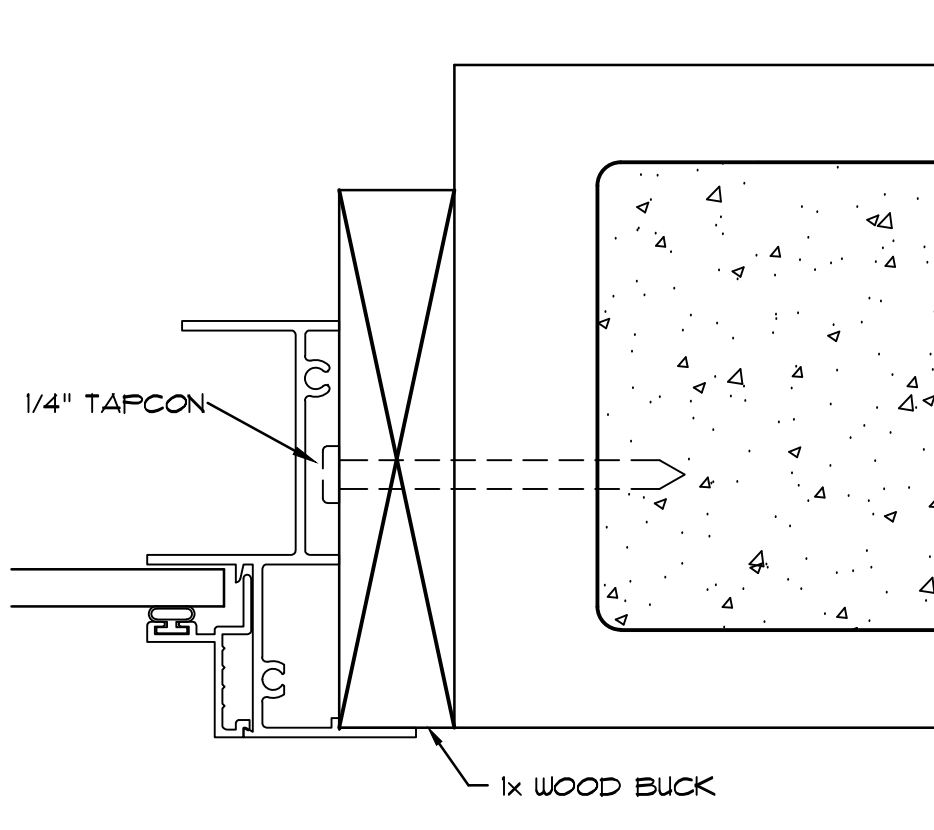
**WINDOW TO SILL ANCHORAGE**  
NO SCALE



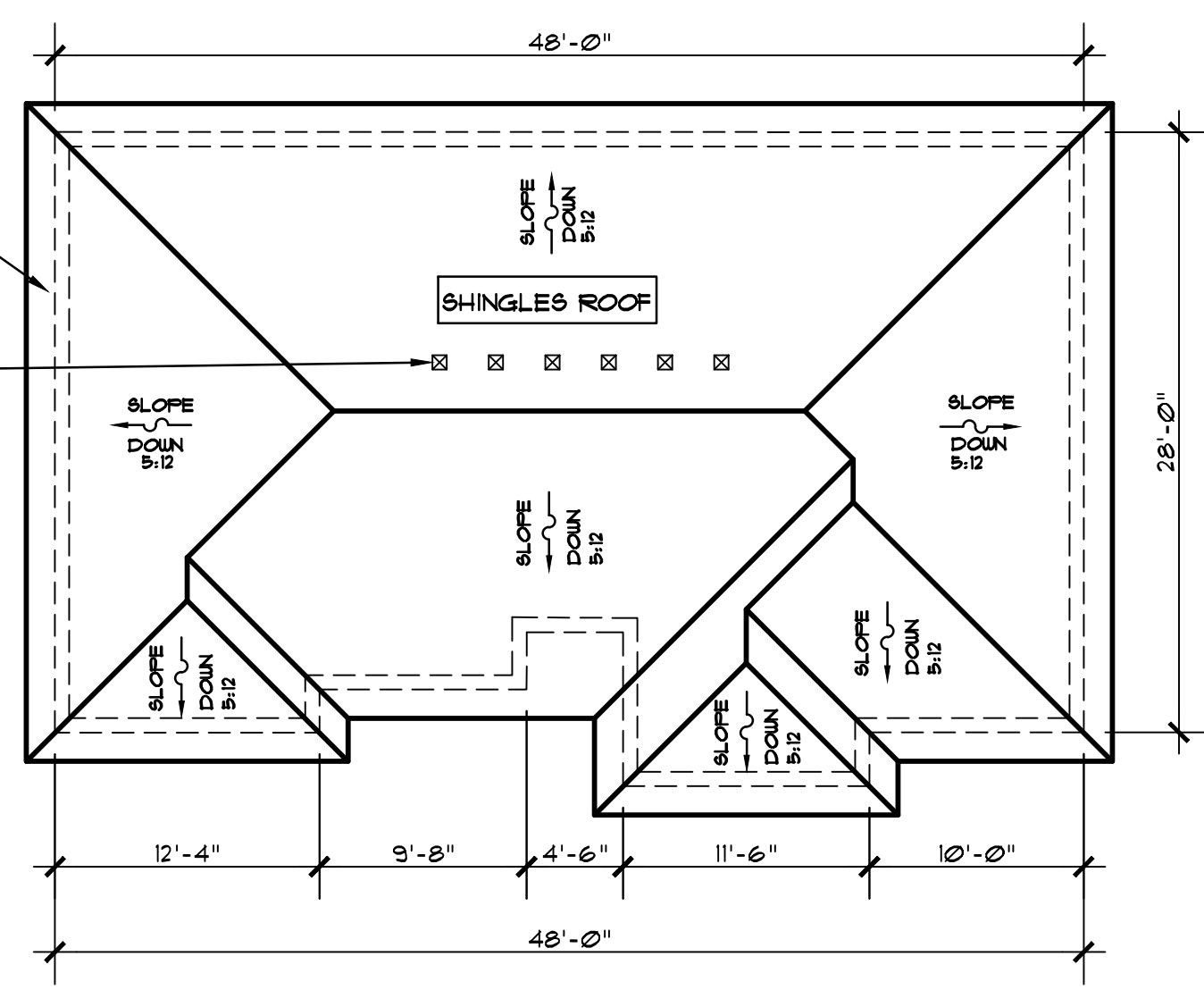
**GARAGE DOOR ATTACHMENT DETAIL**  
NO SCALE



**JAMB ANCHORAGE**  
NO SCALE



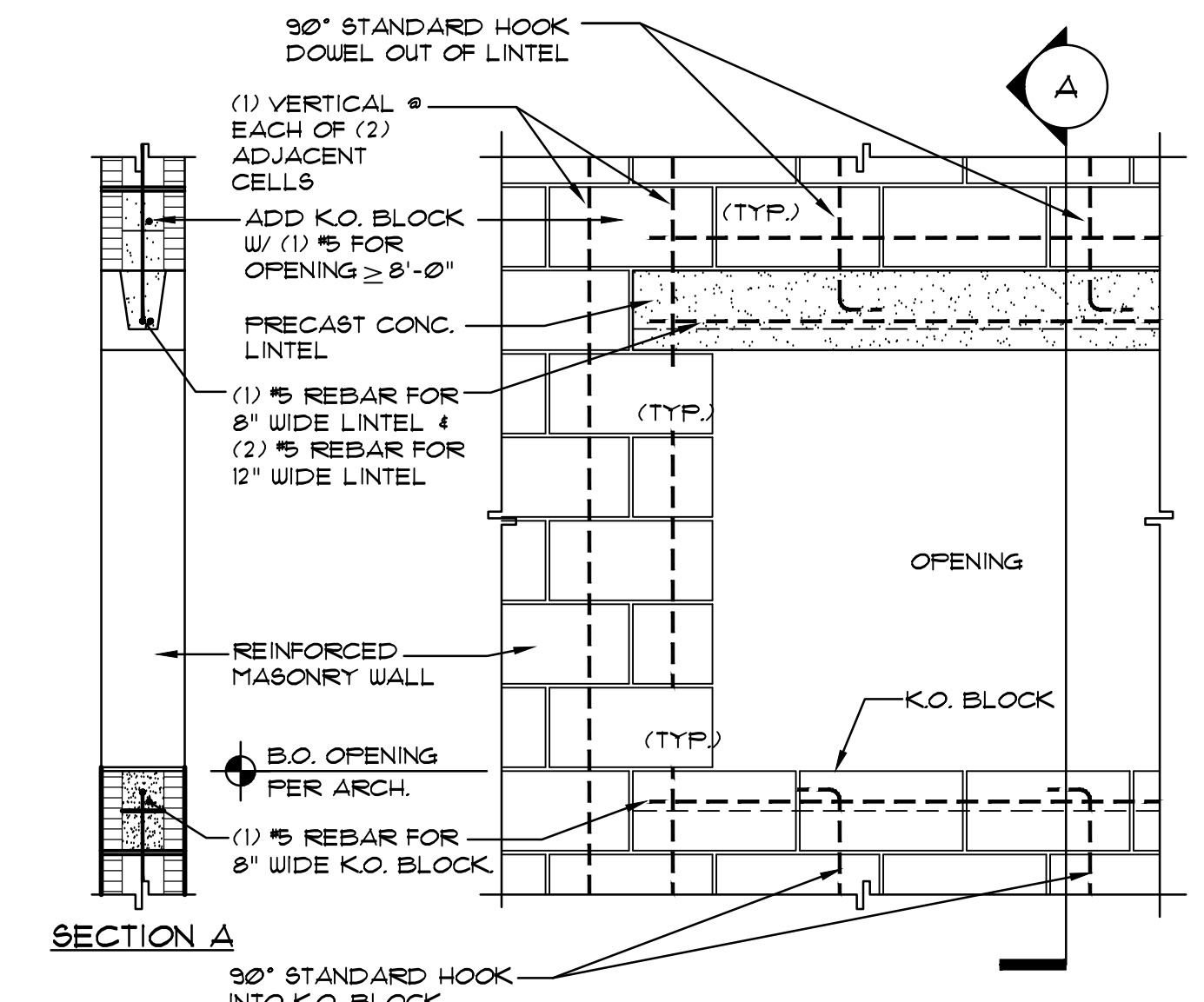
ROOF SOFFIT:  
CONTINUOUS SOFFIT VENTS (TO BE PROVIDED) = 106 L.F.T.  
(9 SQ.IN. PER 1 L.F.T.) = 1,494 SQ.IN. INTAKE  
#6-4 HIP ROOF VENTS (TO BE PROVIDED) = 35 SQ.F.T. (50 SQ.IN.)  
(TYP OF 6 = 2,08 SQ.F.T. (300 SQ.IN.))



**ROOF PLAN**  
1/8" = 1'-0"

ROOF VENTILATION CALCULATIONS (REQUIRED):  
ROOF ATTIC AREA = 1,218 SQ.F.T.  
MINIMUM REQUIRED: 1/200 = 3.6 SQ.F.T. (516 SQ.IN.)  
INTAKE: 299 SQ.IN.  
EXHAUST: 299 SQ.IN.

VENTILATION CALCULATIONS (PROVIDED):  
INTAKE CONTINUOUS SOFFIT VENTS = 1,494 SQ.IN.  
EXHAUST ROOF VENT = 2,08 SQ.F.T. (300 SQ.IN.)

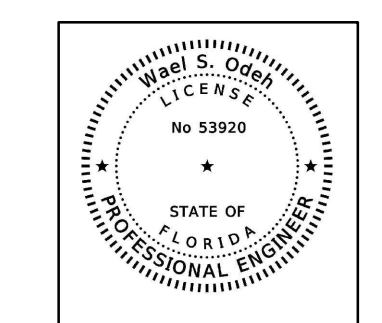


**LINTEL BEARING & REINFORCING**  
NO SCALE

SHEET NAME:  
**EXTERIOR ELEVATIONS,  
ROOF PLAN AND DETAILS**

PROPOSED DRAWINGS FOR:  
**TOP HOME SOLUTIONS NEW HOUSE**  
9127 W. TENNESSEE LANE  
CRYSTAL RIVER, FLORIDA 34428

DATE: 6.17.2024



DESIGN-BUILD CONSULTING  
12408 N 56TH STREET  
SUITE 4  
TAMPA, FLORIDA 33617  
TEL. 813-249-5541

\* THIS ITEM HAS BEEN ELECTRONICALLY SIGNED AND SEALED BY WAEL ODEH USING A DIGITAL SIGNATURE AND DATE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED AND SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.

DATE	REVISION	DATE	REVISION

**STRUCTURAL NOTES**

- CODES:
  - 2023 FLORIDA BUILDING CODE (8th EDITION).
  - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE (ACI 318-19).
  - AMERICAN SOCIETY OF CIVIL ENGINEERS MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES (ASCE 7-16).
  - SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS (AISC 15TH EDITION WITH 2018 ADDENDUM).
  - DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES BY THE TRUSS PLATE INSTITUTE ANS/ TP1 1-2014 EDITION.
- DESIGN CRITERIA:
  - DWELLING FLOORS - 40 PSF LIVE LOAD; 20 PSF DEAD LOAD
  - BALCONIES - 60 PSF LIVE LOAD; 10 PSF DEAD LOAD
  - WALKWAYS - 80 PSF LIVE LOAD; 10 PSF DEAD LOAD
  - SINGLE ROOF - 20 PSF LIVE LOAD + 11 PSF DEAD LOAD (1 PSF T/C + 10 PSF B/C); DURATION FACTOR = 125
  - TILE ROOF - 20 PSF LIVE LOAD + 25 PSF DEAD LOAD (15 PSF T/C + 10 PSF B/C); DURATION FACTOR = 125
  - WIND - 145-MPH, 3-SECOND GUST PER ASCE 7-10 FOR CATEGORY 2
  - ENCLOSED Bldg., EXPOSURE "C"
  - PRESSURE COEFF. = 0.18
  - COMMENTS & CLADDING - SEE SHEET A-1
  - NET UP/LIFT DEAD LOADS 10 PSF SHINGLE; 15 PSF TILE.
- SOIL:
  - MINIMUM ALLOWABLE SOIL PRESSURE 2000 PSF, ASSUMED.
- CONCRETE:
  - CONCRETE COMPRESSIVE STRENGTH AT 28 DAYS: 3000 PSI (NORMAL WEIGHT).
  - REINFORCING BARS: ASTM A615 (GRADE 40).
  - WELDED WIRE FABRIC (WUF): ASTM A185.
  - DETAIL REINFORCING IN ACCORDANCE WITH ACI 315.
  - CONCRETE COVERAGE OF REINFORCEMENT: FOOTINGS 3" BOTTOM AND SIDES.
  - EARTH SUPPORTED SLABS: (INCLUDING EXTERIOR WALK AND DRIVE SLABS) 3 1/2" THICK MIN, REINFORCED WITH 6x6 - W/4 X W/4 WUF AT MID-DEPTH OF SLAB. FIBERMESH MAY BE USED IN LIEU OF WUF AT CONTRACTOR'S OPTION.
  - CONCRETING OPERATIONS SHALL COMPLY WITH ACI STANDARDS.
  - LAP SPlice SHALL BE AS FOLLOWS: #5 BAR 25", #4 BAR 20", #3 BAR 15".
- MASONRY:
  - DESIGN AND CONSTRUCTION SHALL CONFORM TO THE SPECIFICATION OF THE NATIONAL CONCRETE MASONRY ASSOCIATION AND ACI 530.
  - MINIMUM MASONRY UNIT STRENGTH: Fm 1350 PSI.
  - MORTAR SHALL BE TYPE S.
  - ALL BLOCK CELLS AND CAVITIES BELOW SLAB SHALL BE FILLED WITH CONCRETE WHEN STEM WALL IS GREATER THAN 24" TALL ABOVE GRADE.
  - FILL CELLS W/ (1) #5 BAR SHALL BE LOCATED @ 8" - 0" O/C MAX, AT EACH CORNER AND EACH SIDE OF OPENINGS GREATER THAN OR EQUAL TO 8" - 0".
- WOOD:
  - WOOD - WITH THE EXCEPTION OF STUDS, STRUCTURAL FRAMING MEMBERS SHALL BE #2 SOUTHERN YELLOW PINE (SYP) WITH AN ALLOWABLE BENDING STRESS (Fb) = 1200 PSI AND A MODULUS OF ELASTICITY = 1600000 PSI. WALL STUDS SHALL BE CONSTRUCTION GRADE SPRUCE PINE FIR (SPF) @ 16" ON CENTER.
  - DESIGN, FABRICATE AND ERECT WOOD TRUSSES IN ACCORDANCE WITH THE "DESIGN SPECIFICATION FOR LIGHT METAL PLATE CONNECTED WOOD TRUSSES" BY THE TRUSS PLATE INSTITUTE, ANS/ TP1 1-1995 EDITION.
  - ALL EXPOSED WOOD OR WOOD IN CONTACT WITH EARTH OR CONCRETE TO BE PRESSURE TREATED.
  - ROOF SHEATHING: (APA RATED EXPOSURE 1) 1/2" PLYWOOD OR 1/6" OSB MINIMUM SHINGLES OR TILE
  - UNTREATED WOOD SHALL NOT BE IN DIRECT CONTACT WITH CONCRETE. SEAT PLATES SHALL BE PROVIDED AT BEARING LOCATIONS WITHOUT WOODEN TOP PLATES.
- FLASHING:
  - ASPHALT SHINGLES:
    - BASE FLASHING SHALL BE 26 GAGE (0.019") GALVANIZED STEEL, OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LB PER 100 sq. Ft. CAP FLASHING SHALL BE 26 GAGE (0.019") GALVANIZED STEEL.
    - BASE & CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS. APPLYING ASPHALT SHINGLES, VALLEY LINING OF THE FOLLOWING TYPES SHALL BE PERMITTED.
      - FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16" WIDE 26 GAGE (0.019") GALV. STEEL, FOR OPEN VALLEYS, VALLEY LINING OF TWO-PLIES OF MINERAL SURFACE ROLL ROOFING IS PERMITTED.
      - VALLEY LINING SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE BASE LAYER SHALL BE 18" AND THE TOP LAYER SHALL BE AT LEAST 36" WIDE.
      - FOR CLOSED VALLEYS (COVERED WITH SHINGLES) VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
        - ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36" WIDE AND COMPLYING WITH ASTM D 224, OR
        - SPECIALTY UNDERLAYMENT AT LEAST 36" WIDE AND COMPLYING WITH ASTM D 1910.
- DOORS & WINDOWS:
  - ALL EXTERIOR WINDOWS AND GLASS DOORS ARE REQUIRED TO BE TESTED IN ACCORDANCE WITH ANS/AMMAN/WDMA 10/181 STANDARD AND BEAR AN ANS/ OR WDMA LABEL IDENTIFYING THE MANUFACTURER, PERFORMANCE CHARACTERISTICS AND APPROVED PRODUCT TESTING ENTITY, ACHIEVE THE DESIGN PRESSURE SPECIFIED BELOW.
  - IF BUCK THICKNESS IS LESS THAN 1 1/2", EXTERIOR DOORS AND WINDOWS SHALL BE ANCHORED THROUGH THE JAM, INTO THE STRUCTURAL SUBSTRATE PER THE MANUFACTURER'S SPECIFICATIONS.
  - ALL EXTERIOR WINDOWS AND DOORS SHALL BE ANCHORED PER PUBLISHED MANUFACTURER'S RECOMMENDATION TO
  - IF BUCK THICKNESS IS EQUAL TO 1 1/2" OR GREATER, THE BUCK MUST BE ATTACHED IN A MANNER (SEE MFG. SPECS.) THAT TRANSFERS THE LOAD DIRECTLY TO THE STRUCTURE. WINDOWS AND DOORS SHALL BE ANCHORED THROUGH THE JAM INTO THE WOOD BUCK.
  - MULLIONS AND ADJACENT DOOR ASSEMBLIES SHALL BE TESTED OR ENGINEERED (BY THE MFG.) TO TRANSFER 1 1/2 TIMES THE DESIGN LOAD TO THE ROUGH OPENING SUBSTRATE.
- INSPECTIONS:
  - FOUNDATION INSPECTIONS: A FOUNDATION SURVEY SHALL BE PERFORMED AND A COPY OF THE SURVEY SHALL BE ON SITE FOR THE BUILDING INSPECTOR'S USE. OR, ALL PROPERTY MARKERS SHALL BE EXPOSED AND A STRING STRETCHED FROM MARKER TO MARKER TO VERIFY REQUIRED SETBACKS.
  - FRAMING INSPECTIONS: ALL PLUMBING, ELECTRICAL, AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED, AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION.
- MICRO-LAM LUMBER:
  - MICRO-LAM STRESS GRADES SHALL PROVIDE THE FOLLOWING MINIMUM PROPERTIES:
 

E =	2,000,000 PSI
Fd =	2,800 PSI
Ft =	1,850 PSI
Fc =	500 PSI (PERPENDICULAR)
Fc =	2,100 PSI (PARALLEL)
Fv =	285 PSI
- PLASTERING:
  - SPECIFICATIONS FROM THE 2023 RESIDENTIAL FRC SECTION 703.7.
  - EXTERIOR PLASTER: INSTALLATION OF THESE MATERIALS SHALL BE IN COMPLIANCE WITH ASTM C 929 AND ASTM C 1063 OR ASTM C1181 AND THE PROVISIONS OF THIS CODE.
    - LATH: LATH AND LATH ATTACHMENTS SHALL BE OF CORROSION-RESISTANT MATERIALS. EXPANDED METAL OR WOVEN WIRE LATH SHALL BE ATTACHED WITH 1/2-INCH-LONG (38 MM), 11 GAGE NAILS HAVING A 7/16-INCH (11 MM) HEAD, OR 1/2-INCH-LONG (22 MM), 16 GAGE STAPLES, SPACED IN ACCORDANCE WITH ASTM C1063 OR C1181, OR AS OTHERWISE APPROVED.
    - PLASTER: PLASTERING WITH CEMENT PLASTER SHALL BE NOT LESS THAN THREE COATS WHERE APPLIED OVER ANY TYPE OF CODE-APPROVED LATH AND SHALL BE NOT LESS THAN TWO COATS WHERE DIRECTLY APPLIED OVER MASONRY, CONCRETE, CLAY BRICK, STONE OR TILE. IF THE PLASTER SURFACE IS COMPLETELY COVERED BY VENEER OR OTHER FACING MATERIAL OR IS COMPLETELY CONCEALED, PLASTER APPLICATION NEED BE ONLY TWO COATS, PROVIDED THE TOTAL THICKNESS IS AS SET FORTH IN TABLE R102.11.

ON WOOD-FRAME CONSTRUCTION WITH AN ON-GRADE FLOOR SLAB SYSTEM, EXTERIOR PLASTER SHALL BE APPLIED TO COVER, BUT NOT EXTEND BELOW, LATH, PAPER AND SCAFFOLD, CEMENT PLASTER SHALL BE IN ACCORDANCE WITH ASTM C926. CEMENT MATERIALS SHALL BE IN ACCORDANCE WITH ONE OF THE FOLLOWING:

- MASONRY CEMENT CONFORMING TO ASTM C91 TYPE M, S OR N.
- PORTLAND CEMENT CONFORMING TO ASTM C150 TYPE I, II OR III.
- BLENDED HYDRAULIC CEMENT CONFORMING TO ASTM C595 TYPE IP, IS (5' 10"), II OR IS (5' 10").
- HYDRAULIC CEMENT CONFORMING TO ASTM C151 TYPE GU, HE, HS, HS OR MH.
- PLASTER (STUCCO) CEMENT CONFORMING TO ASTM C1318.

THE PROPORTION OF AGGREGATE TO CEMENTITIOUS MATERIALS SHALL BE AS SET FORTH IN TABLE R102.13.

**UNDERLAYMENT NOTES:**  
 SPECIFICATIONS FROM THE 2023 FRC SECTION 905.11

**R905.11 UNDERLAYMENT APPLICATION:**  
 UNDERLAYMENT FOR ROOF SLOPES 2:12 AND GREATER SHALL CONFORM TO THE APPLICABLE STANDARDS LISTED IN THIS CHAPTER. UNDERLAYMENT MATERIALS REQUIRED TO COMPLY WITH ASTM D226, D1910, D4869 AND D6181 SHALL BEAR A LABEL INDICATING COMPLIANCE TO THE STANDARD DESIGNATION AND, IF APPLICABLE, TYPE CLASSIFICATION INDICATED. UNDERLAYMENT FOR ROOF SLOPES 2:12 AND GREATER SHALL BE APPLIED AND ATTACHED IN ACCORDANCE WITH SECTION R305.1.11, R305.1.12 OR R305.1.13, AS APPLICABLE.

**R305.1.11 UNDERLAYMENT FOR ASPHALT, METAL, MINERAL SURFACED, SLATE AND SLATE-TYPE ROOF COVERINGS:**  
 UNDERLAYMENT FOR ASPHALT SHINGLES, METAL ROOF SHINGLES, MINERAL SURFACED ROLL ROOFING, SLATE AND SLATE-TYPE SHINGLES, AND METAL ROOF PANELS SHALL COMPLY WITH ONE OF THE FOLLOWING METHODS:

THE ENTIRE ROOF DECK SHALL BE COVERED WITH AN APPROVED SELF-ADHERING POLYMER-MODIFIED BITUMEN UNDERLAYMENT COMPLYING WITH ASTM D1910 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: AN EXISTING SELF-ADHERING MODIFIED BITUMEN UNDERLAYMENT THAT HAS BEEN PREVIOUSLY INSTALLED OVER THE ROOF DECKING AND WHERE IT IS REQUIRED, RENAILING OF THE ROOF SHEATHING IN ACCORDANCE WITH SECTION R305.1.11 CAN BE CONFIRMED OR VERIFIED, AN APPROVED UNDERLAYMENT IN ACCORDANCE WITH TABLE R305.1.11 FOR THE APPLICABLE ROOF COVERING SHALL BE APPLIED OVER THE ENTIRE ROOF OVER THE EXISTING SELF-ADHERED MODIFIED BITUMEN UNDERLAYMENT.

2.A MINIMUM 4-INCH-WIDE (102 MM) STRIP OF SELF-ADHERING POLYMER-MODIFIED BITUMEN MEMBRANE COMPLYING WITH ASTM D1910, INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR THE DECK MATERIAL, SHALL BE APPLIED OVER ALL JOINTS IN THE ROOF DECKING, AN APPROVED UNDERLAYMENT IN ACCORDANCE WITH TABLE R305.1.11 FOR THE APPLICABLE ROOF COVERING SHALL BE APPLIED OVER THE ENTIRE ROOF OVER THE 4-INCH-WIDE (102 MM) MEMBRANE STRIPS.

EXCEPTION: 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 D4533 AND 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 R305.1.11 FOR THE APPLICABLE ROOF COVERING AND SLOPE AND THE UNDERLAYMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.

3.A MINIMUM 3/4-INCH WIDE (96 MM) STRIP OF SELF-ADHERING FLEXIBLE FLASHING TAPE COMPLYING WITH AAMA 711, LEVEL 3 3/4 FOR EXPOSURE UP TO 116°F (40°C), INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS FOR THE DECK MATERIAL, SHALL BE APPLIED OVER ALL JOINTS IN THE ROOF DECKING, AN APPROVED UNDERLAYMENT IN ACCORDANCE WITH TABLE R305.1.11 FOR THE APPLICABLE ROOF COVERING SHALL BE APPLIED OVER THE ENTIRE ROOF OVER THE 4-INCH-WIDE (102 MM) FLASHING STRIPS.

EXCEPTION: 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 D4533 AND 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) FLASHING STRIPS. THIS UNDERLAYMENT SHALL BE INSTALLED AND ATTACHED IN ACCORDANCE WITH THE UNDERLAYMENT ATTACHMENT METHODS OF TABLE R305.1.11 FOR THE APPLICABLE ROOF COVERING AND SLOPE AND THE UNDERLAYMENT MANUFACTURER'S INSTALLATION INSTRUCTIONS.

4.TWO LAYERS OF ASTM D226 TYPE II OR ASTM D4869 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 18 INCHES (483 MM); END LAPS SHALL BE 6 INCHES AND SHALL BE OFFSET BY 6 FEET. THE UNDERLAYMENT SHALL BE ATTACHED TO A NAILED 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. UNDERLAYMENT SHALL BE ATTACHED USING ANNUULAR RING OR DEFORMED SHANK NAILS WITH METAL OR PLASTIC CAPS WITH A NOMINAL CAP DIAMETER OF NOT LESS THAN 1 INCH. METAL CAPS ARE REQUIRED WHERE THE ULTIMATE DESIGN WIND SPEED, VULT, EQUALS OR EXCEEDS 170 MPH. METAL CAPS SHALL HAVE A THICKNESS OF NOT LESS THAN 32-GAGE SHEET METAL. POWER-DRIVEN METAL CAPS SHALL HAVE A MINIMUM THICKNESS OF 0.010 INCH. MINIMUM THICKNESS OF THE OUTSIDE EDGE OF PLASTIC CAPS SHALL BE 0.035 INCH. THE CAP NAIL SHANK SHALL BE NOT LESS THAN 0.093 INCH FOR RING SHANK CAP NAILS. CAP NAIL SHANK SHALL HAVE A LENGTH SUFFICIENT TO PENETRATE THROUGH THE ROOF SHEATHING OR NOT LESS THAN 3/4 INCH INTO THE ROOF SHEATHING.

5.TWO LAYERS OF A REINFORCED SYNTHETIC UNDERLAYMENT THAT HAS A PRODUCT APPROVAL AS AN ALTERNATIVE TO UNDERLAYMENT COMPLYING WITH ASTM D226 TYPE II SHALL BE PERMITTED TO BE USED. SYNTHETIC UNDERLAYMENT SHALL HAVE A MINIMUM TEAR STRENGTH OF 15 LBF IN ACCORDANCE WITH ASTM D4533 AND A MINIMUM TENSILE STRENGTH OF 20 LBF/INCH IN ACCORDANCE WITH ASTM D5035, AND SHALL MEET THE LIQUID WATER TRANSMISSION TEST OF SECTION 8.6 OF ASTM D4869. SYNTHETIC UNDERLAYMENT SHALL BE INSTALLED AS FOLLOWS: APPLY A STRIP OF SYNTHETIC UNDERLAYMENT THAT IS HALF THE WIDTH OF A FULL SHEET PARALLEL TO AND STARTING AT THE EAVES, FASTENED SUFFICIENTLY TO HOLD IN PLACE, STARTING AT THE EAVE, APPLY FULL SHEETS OF REINFORCED SYNTHETIC UNDERLAYMENT, OVERLAPPING SUCCESSIVE SHEETS HALF THE WIDTH OF A FULL SHEET PLUS THE WIDTH OF THE MANUFACTURER'S SINGLE-PLY OVERLAP. END LAPS SHALL BE 6 INCHES AND SHALL BE OFFSET BY 6 FEET. SYNTHETIC UNDERLAYMENT SHALL BE ATTACHED TO A NAILED DECK WITH CORROSION-RESISTANT FASTENERS WITH A MAXIMUM FASTENER SPACING, MEASURED HORIZONTALLY AND VERTICALLY, OF 12 INCHES (305 MM) O.C. BETWEEN SIDE LAPS, AND ONE ROW AT THE END AND SIDE LAPS FASTENED 6 INCHES (152 MM) O.C. SYNTHETIC UNDERLAYMENT SHALL BE ATTACHED USING ANNUULAR RING OR DEFORMED SHANK NAILS WITH METAL OR PLASTIC CAPS WITH A NOMINAL CAP DIAMETER OF NOT LESS THAN 1 INCH. METAL CAPS ARE REQUIRED WHERE THE ULTIMATE DESIGN WIND SPEED, VULT, EQUALS OR EXCEEDS 170 MPH. METAL CAPS SHALL HAVE A THICKNESS OF NOT LESS THAN 32-GAGE SHEET METAL. POWER-DRIVEN METAL CAPS SHALL HAVE A MINIMUM THICKNESS OF 0.010 INCH. MINIMUM THICKNESS OF THE OUTSIDE EDGE OF PLASTIC CAPS SHALL BE 0.035 INCH. THE CAP NAIL SHANK SHALL BE NOT LESS THAN 0.093 INCH FOR RING SHANK CAP NAILS. CAP NAIL SHANK SHALL HAVE A LENGTH SUFFICIENT TO PENETRATE THROUGH THE ROOF SHEATHING OR NOT LESS THAN 3/4 INCH INTO THE ROOF SHEATHING.

**R305.2.4 ROOF ASPHALT SHINGLES:**  
 ASPHALT SHINGLES SHALL COMPLY WITH ASTM D3462.

**WALL SHEATHING NOTE:**  
 WALL SHEATHING TO BE APA RATED 1/2" PLYWOOD OR 1/6" OSB SHEATHING WITH EXPOSURE 1 DESIGNATION. ATTACH TO STUD W/ 8D NAILS @ 6" O.C. EDGES, 12" O.C. FIELD

**CHEMICAL SOIL TREATMENT FOR TERMITES**

R310.1 TERMINATE PROTECTION WILL BE DONE BY REGISTERED TERMITICIDES, INCLUDING SOIL APPLIED PESTICIDES, BAITING SYSTEMS, AND PESTICIDES APPLIED TO WOOD, OR OTHER APPROVED METHODS OF TERMITE PROTECTION LABELED FOR USE. A PREVENTATIVE TREATMENT TO NEW CONSTRUCTION, A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE "THE BUILDING HAS RECEIVED A TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE COMPLETE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES."

R310.11 INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE.  
 R310.12 SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RE-TREATED INCLUDING SPACED BOXED OR FORMED.

R310.13 BOXED AREAS IN CONCRETE FLOORS FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE & DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT.

R310.14 MINIMUM 10-MIL. VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED.

R310.15 CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR TREATMENT.

R310.16 SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. VERTICAL CHEMICAL BARRIER MUST BE APPLIED RIGHT AFTER CONSTRUCTION IS COMPLETE, INCLUDING INITIAL LANDSCAPING AND IRRIGATION SPRINKLER INSTALLATION. SOIL DISTURBED SHALL BE RETREATED.

R310.17 IF TERMITICIDE IS REGISTERED AS A BAIT SYSTEM, A SIGNED CONTRACT ASSURING THE INSTALLATION, MAINTENANCE AND MONITORING OF THE BAITING SYSTEM FOR A MINIMUM OF FIVE YEARS FROM THE ISSUE OF THE C.O. SHALL BE PROVIDED TO THE BUILDING OFFICIAL PRIOR TO THE POURING OF THE SLAB AND THE SYSTEM MUST BE INSTALLED PRIOR TO FINAL BUILDING APPROVAL. IF THE BAITING SYSTEM REQUIRES A MONITORING SYSTEM, ONE MUST INSTALL THE MONITORING COMPONENTS BE DEEMED TO CONSTITUTE INSTALLATION OF THE SYSTEM. THIS MUST BE COMPLETED BEFORE BUILDING INSPECTION.

R310.18 APPLICATION OF THE WOOD TREATMENT TERMITICIDE WILL BE USED AS REQUIRED BY LABEL DIRECTIONS MUST RECEIVE APPLICATION OF A TERMITICIDE IN ANNULAR SPACE BETWEEN SLEEVE AND PIPE.

R310.2 PENETRATION, CELLULOSE CONTAINING MATERIAL MUST NOT BE USED IF PROTECTIVE SLEEVES AROUND METALLIC PIPING PENETRATE THE CONCRETE SLAB-ON-GRADE FLOORS.

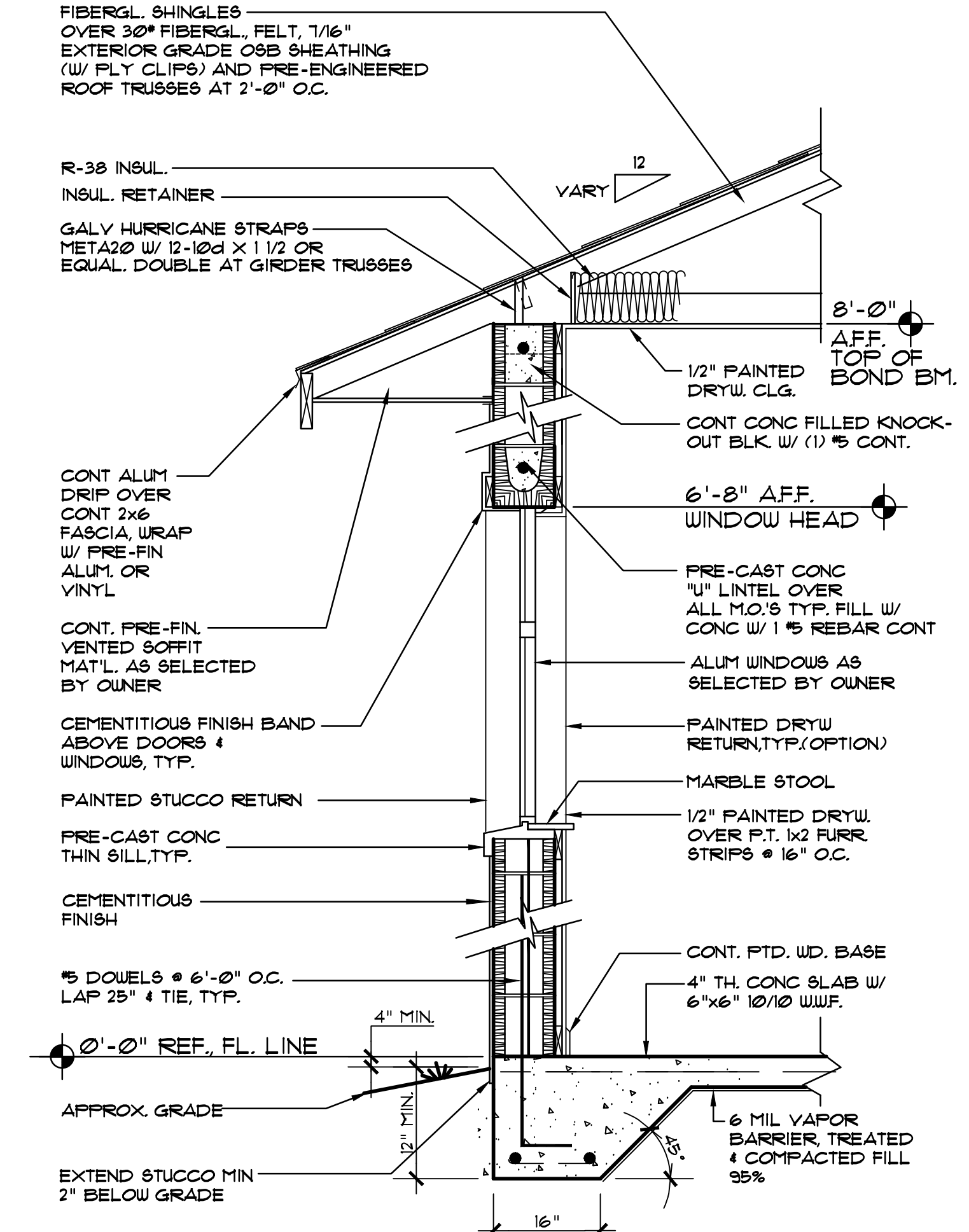
R310.3 CLEANING, CELLS, CAVITIES AND AIR GAPS MUST BE CLEENED OF ALL NONPRESERVATIVE TREATED OR NONNATURALLY DURABLE WOOD, OR OTHER CELLULOSE CONTAINING MATERIAL BEFORE CONCRETE PLACEMENT.

R310.4 CONCRETE BEARING LEDGE, BRICK, STONE OR OTHER VEENEER MUST BE SUPPORTED BY A BEARING LEDGE EQUAL TO OF THE TOTAL THICKNESS OF THE MATERIAL. NO SUPPLEMENTAL CONCRETE FOUNDATION FOURS WILL BE USED, UNLESS AN APPROVED PHYSICAL BARRIER, THE APPROVED PHYSICAL BARRIER WILL BE INSTALLED FROM BELOW THE WALL SILL PLATE OR FIRST BLOCK COURSE HORIZONTALLY TO EMBED IN A MORTOR JOINT. A TERMITE PROTECTIVE TREATMENT MUST BE APPLIED TO THE CAVITY IF MASONRY VENEER EXTENDS BELOW GRADE.

R310.5 PRESSURE PRESERVATIVELY TREATED WOOD AND NATURALLY TERMITE-RESISTANT WOOD WILL NOT BE SUDED AS A PHYSICAL BARRIER, UNLESS IT CAN BE INSPECTED FOR ANY TERMITE SHELTER TUBES AROUND THE INSIDE AND OUTSIDE EDGES AND JOISTS OF A BARRIER.

R310.6 FOAM PLASTIC PROTECTION, EXTRUDED AND EXPANDED POLYSTYRENE, POLYISOCYANURATE AND OTHER FOAM PLASTICS ARE NOT TO BE INSTALLED ON THE EXTERIOR FACE OR UNDER INTERIOR OR EXTERIOR FOUNDATION WALLS OR SLAB FOUNDATION LOCATED BELOW GRADE. TO PROVIDE FOR INSPECTION OF TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES. EXCEPTION - PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 1'-0" OF ANY BUILDING OR PROPOSED

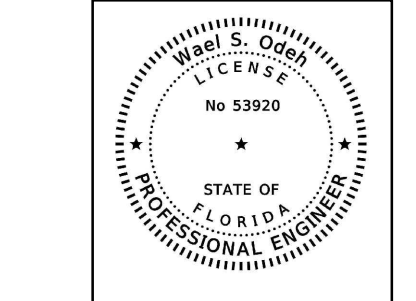
**ADDITIONAL INFORMATION:**  
 CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM THE BUILDING SIDE WALLS. IRRIGATION/SPRINKLER SYSTEM INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" OF THE BUILDING SIDE WALLS. TO PROVIDE FOR INSPECTION OF TERMITE INFESTATION, BETWEEN WALL COVERING AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6 INCHES. EXCEPTION - PAINT OR DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 1'-0" OF ANY BUILDING OR PROPOSED



**TYPICAL WALL SECTION**

3/4" x 1'-0"

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 TEL. 813-249-5541

SHEET NAME:  
**WALL SECTION, AND  
 STRUCTURAL NOTES**

PROPOSED DRAWINGS FOR:  
**TOP HOME SOLUTIONS NEW HOUSE**  
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 CRYSTAL RIVER, FLORIDA 34428

6.17.2024  
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TYPICALLY, THE BOTTOM OF ALL FOOTINGS SHALL BE A MINIMUM OF 12" BELOW GRADE ACCORDING TO SECTION 1809.4 OF THE FLORIDA BUILDING CODE, (SECTION R409.1.4 OF THE RESIDENTIAL BUILDING CODE) 2023 EDITION (7TH EDITION).

### DESIGN CRITERIA

#### A) DESIGN LOADS

ROOF LIVE LOAD: 20 PSF  
 ROOF DEAD LOAD: 20 PSF  
 FLOOR LIVE LOAD: 40 PSF  
 FLOOR DEAD LOAD: 15 PSF  
 PARTITION LOAD: 20 PSF

WIND LOAD: FLORIDA BUILDING CODE, 2023 (8TH EDITION) - RESIDENTIAL  
 145 MPH WIND SPEED

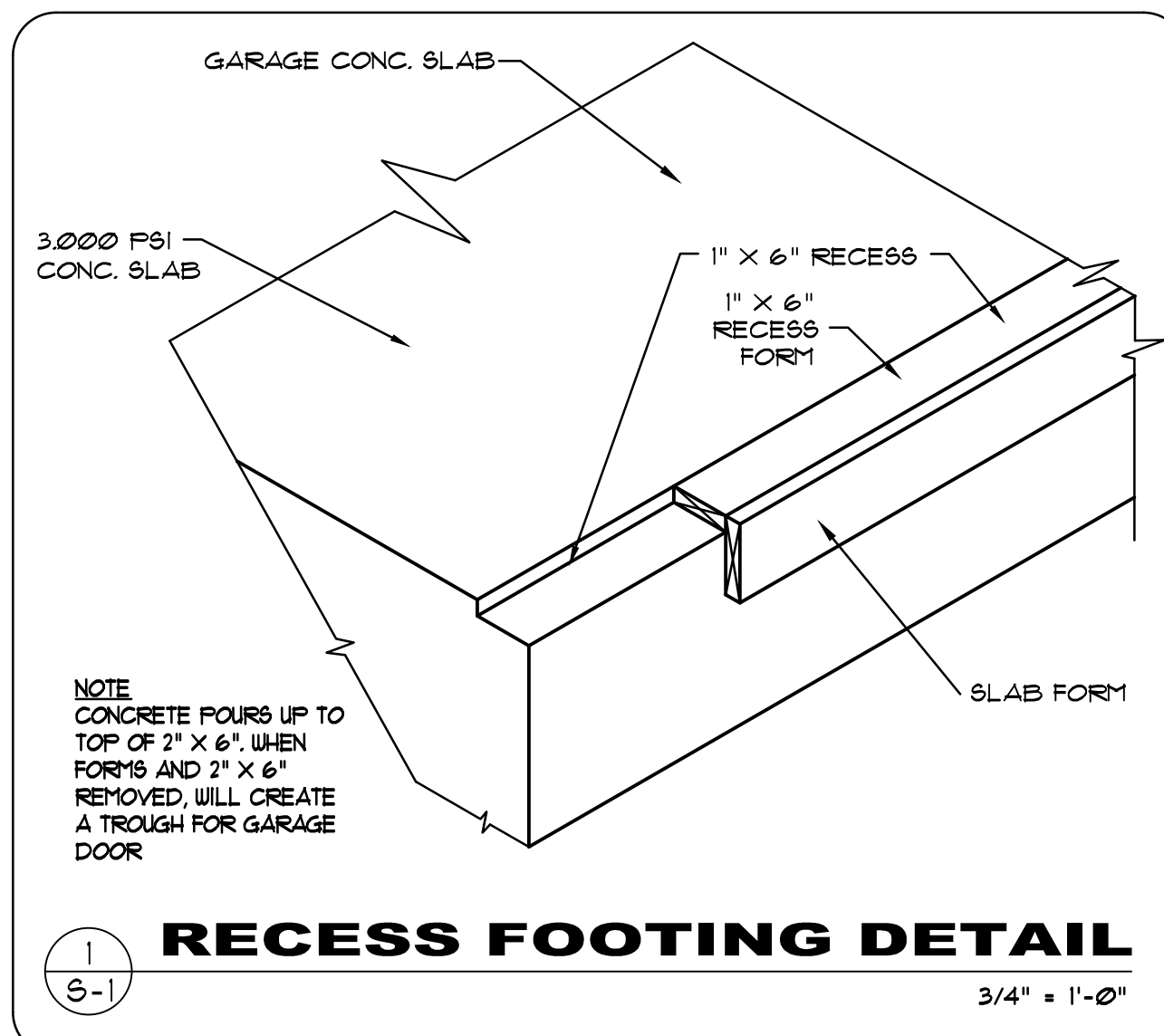
DESIGN SOIL BRG PRESSURE: 2,000 PSF (ASSUMED-TO BE VERIFIED)

#### B) CONCRETE

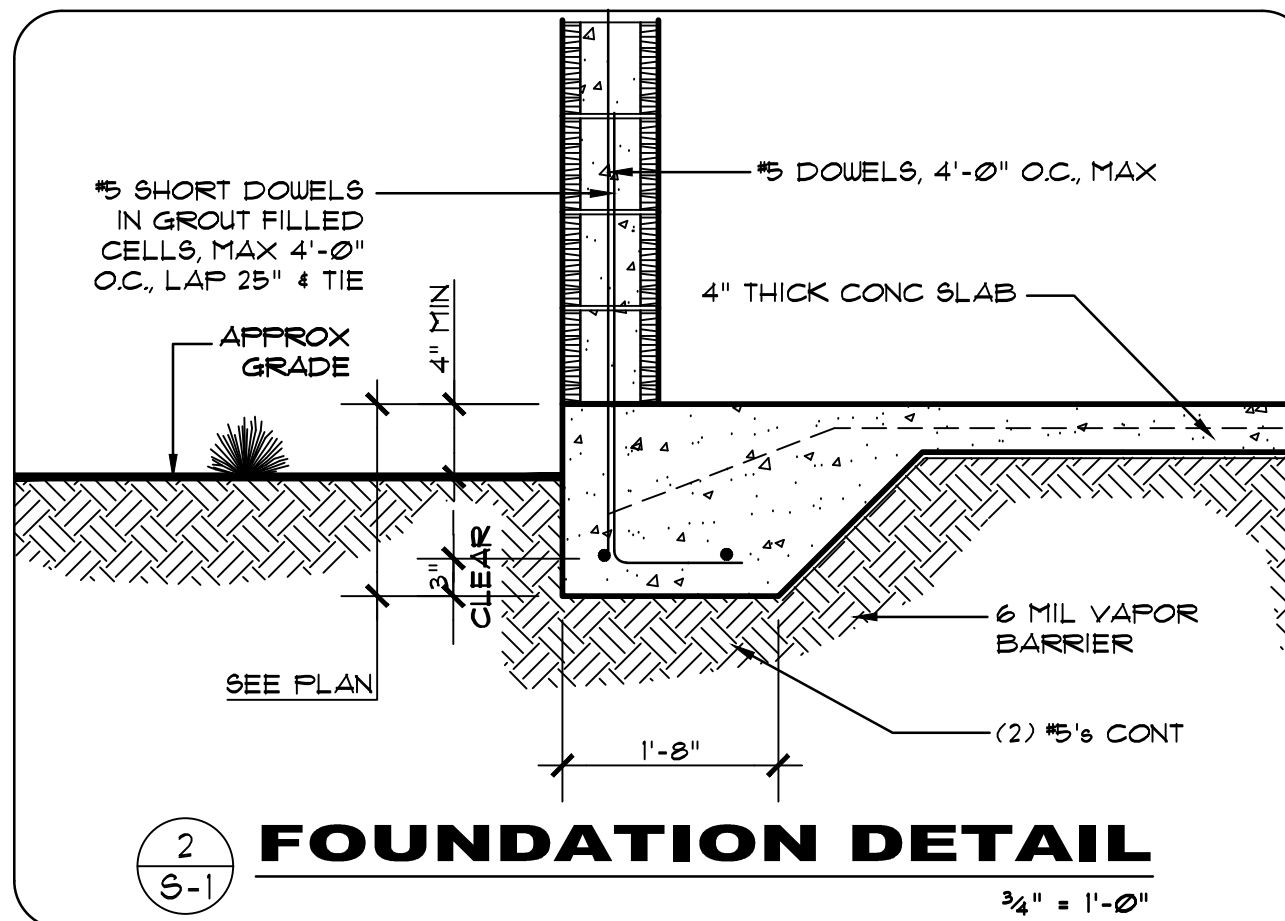
DESIGN CONCRETE STRENGTH IN 28 DAYS: 3,000 PSI  
 REINFORCING STEEL: ASTM A615, GRADE 60

#### C) NOTES:

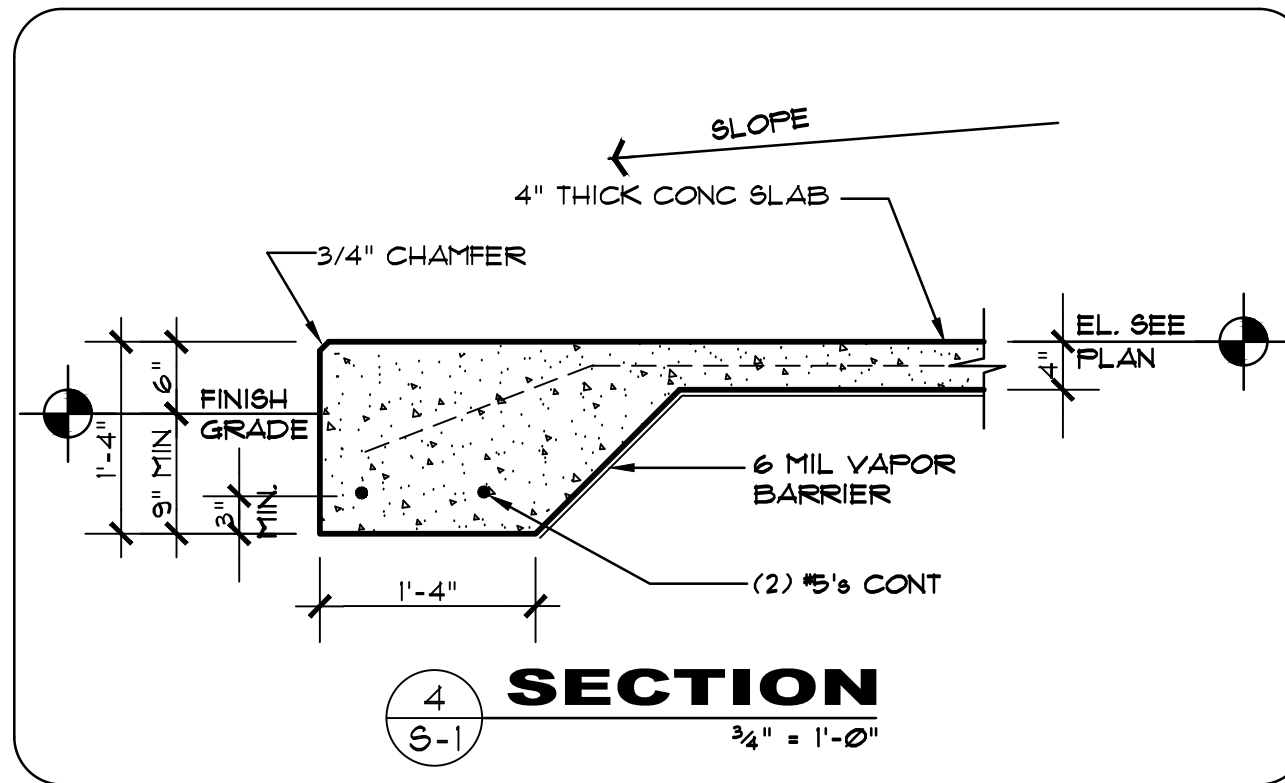
- COORD WITH FLOOR PLAN FOR PLUMB FIXTURES LOCATIONS.
- COORD ALL FILLED CELL LOCATIONS W/ FLOOR PLAN
- CONTRACTOR SHALL INSTALL PEST CONTROL TUBING. COORDINATE WITH OWNER.
- ALL FILLED CELL MEASUREMENTS ARE APPROXIMATION AND THEY ARE SHOWN HERE FOR ILLUSTRATION ONLY.



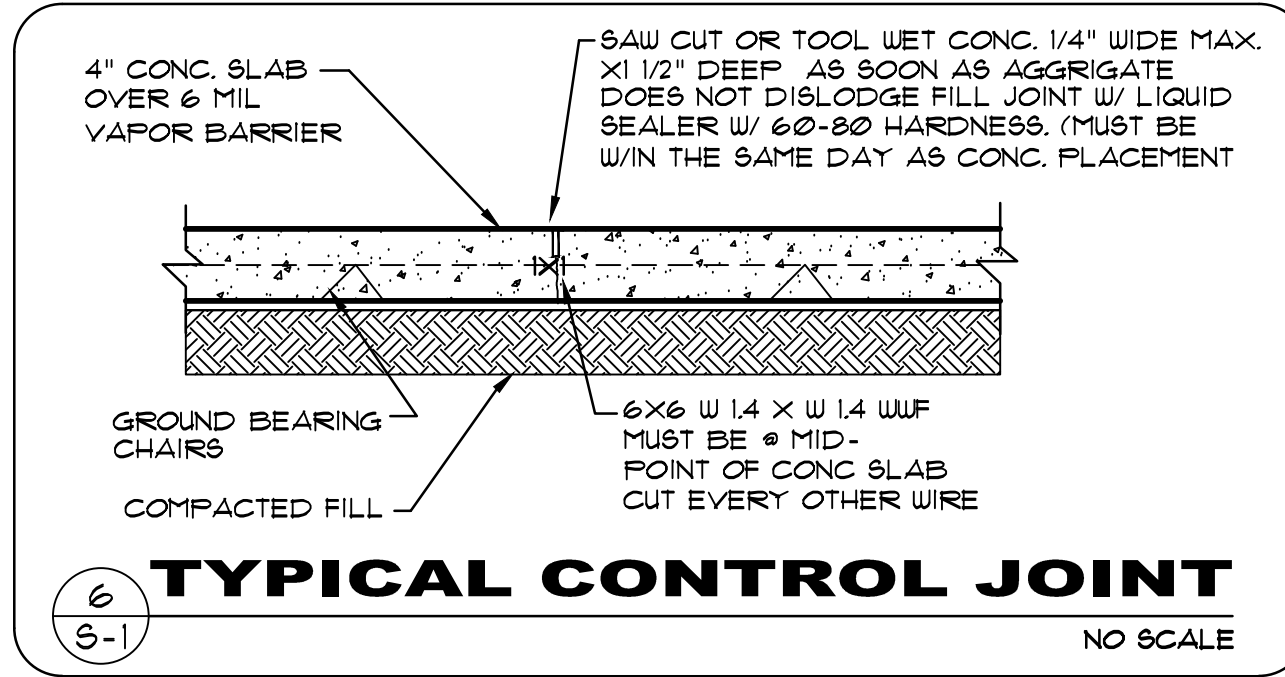
**RECESS FOOTING DETAIL**  
 3/4" = 1'-0"



**FOUNDATION DETAIL**  
 3/4" = 1'-0"



**SECTION 4**  
 3/4" = 1'-0"

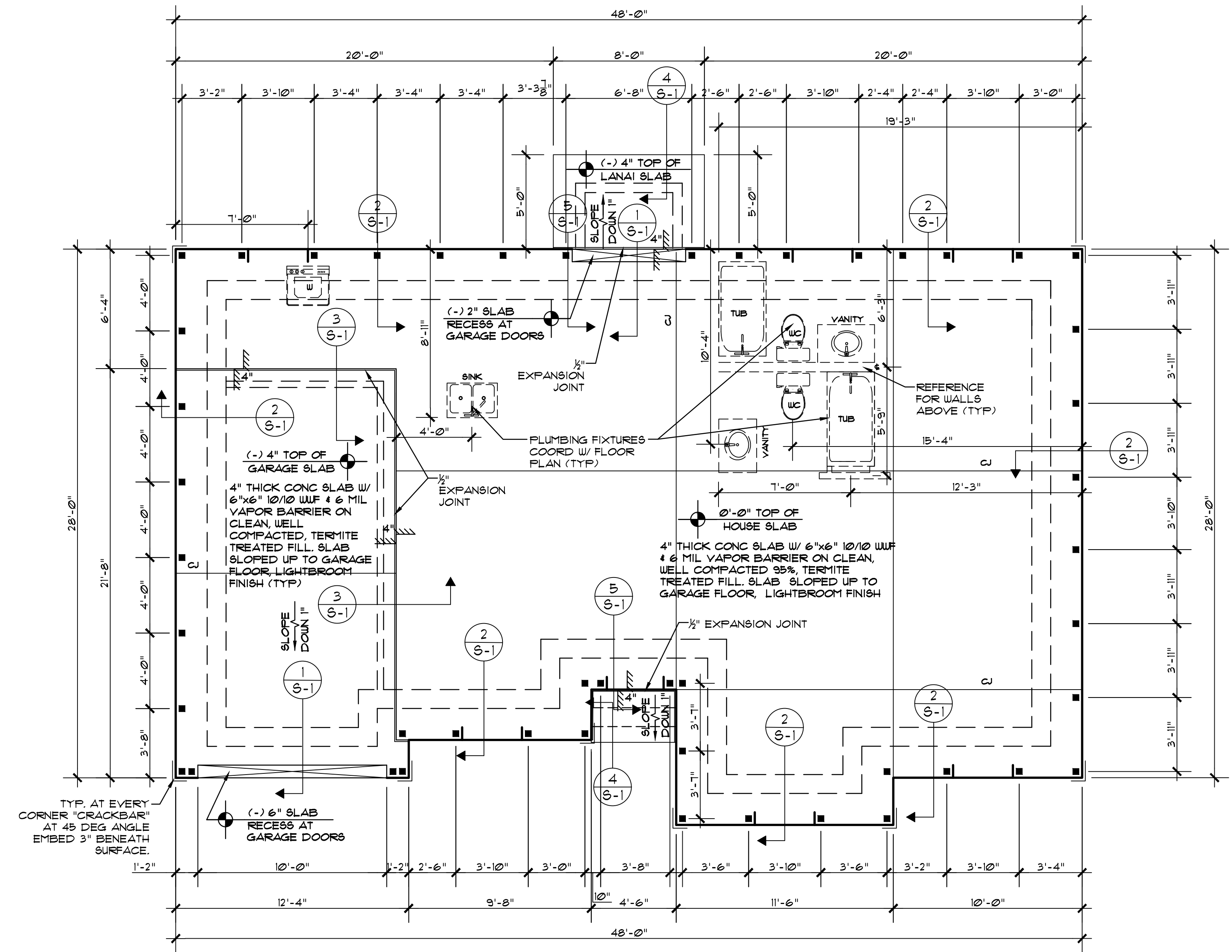


**TYPICAL CONTROL JOINT**  
 NO SCALE



**CORNER BAR DETAIL**  
 NO SCALE

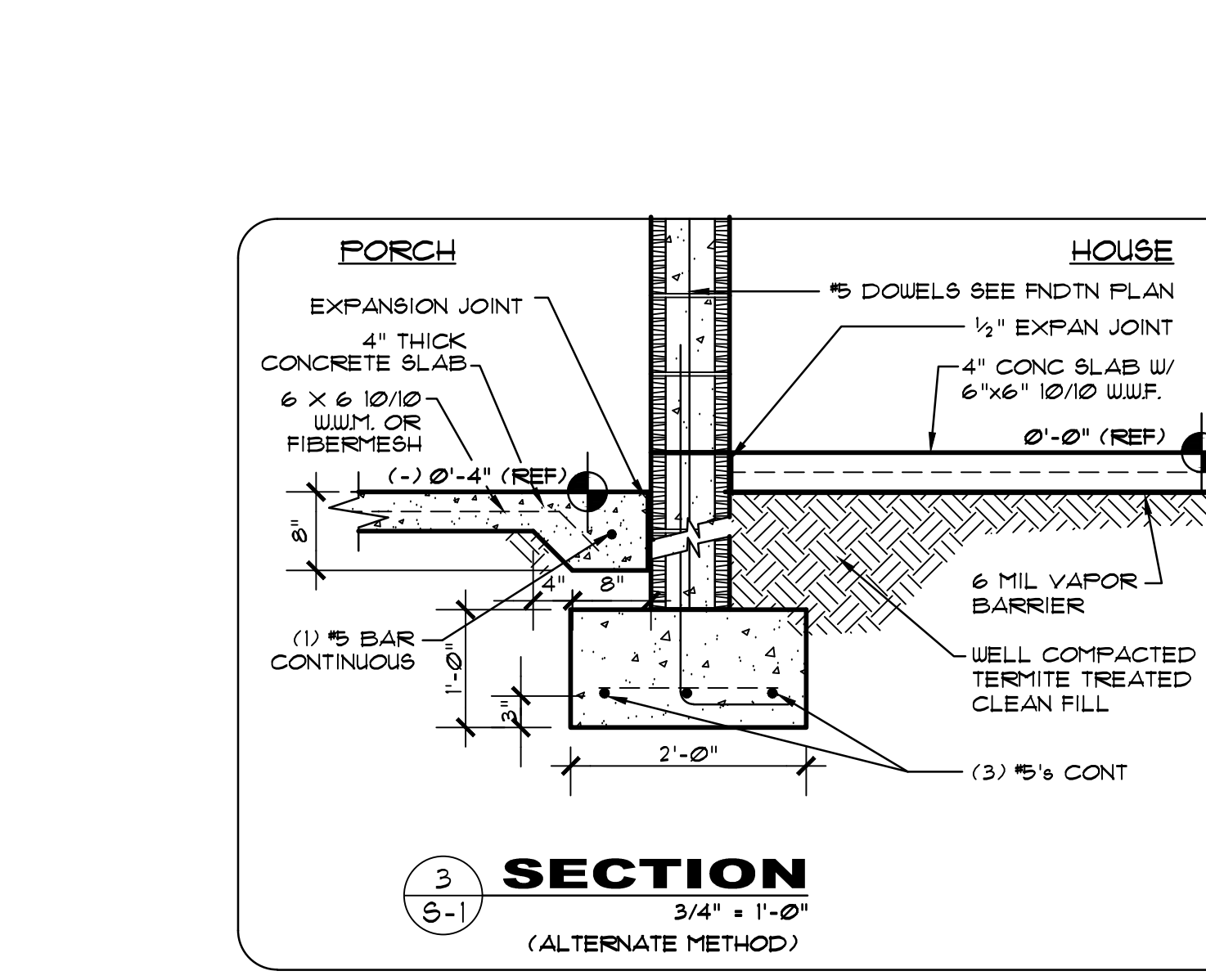
**INTERSECTION BAR DETAIL**  
 NO SCALE



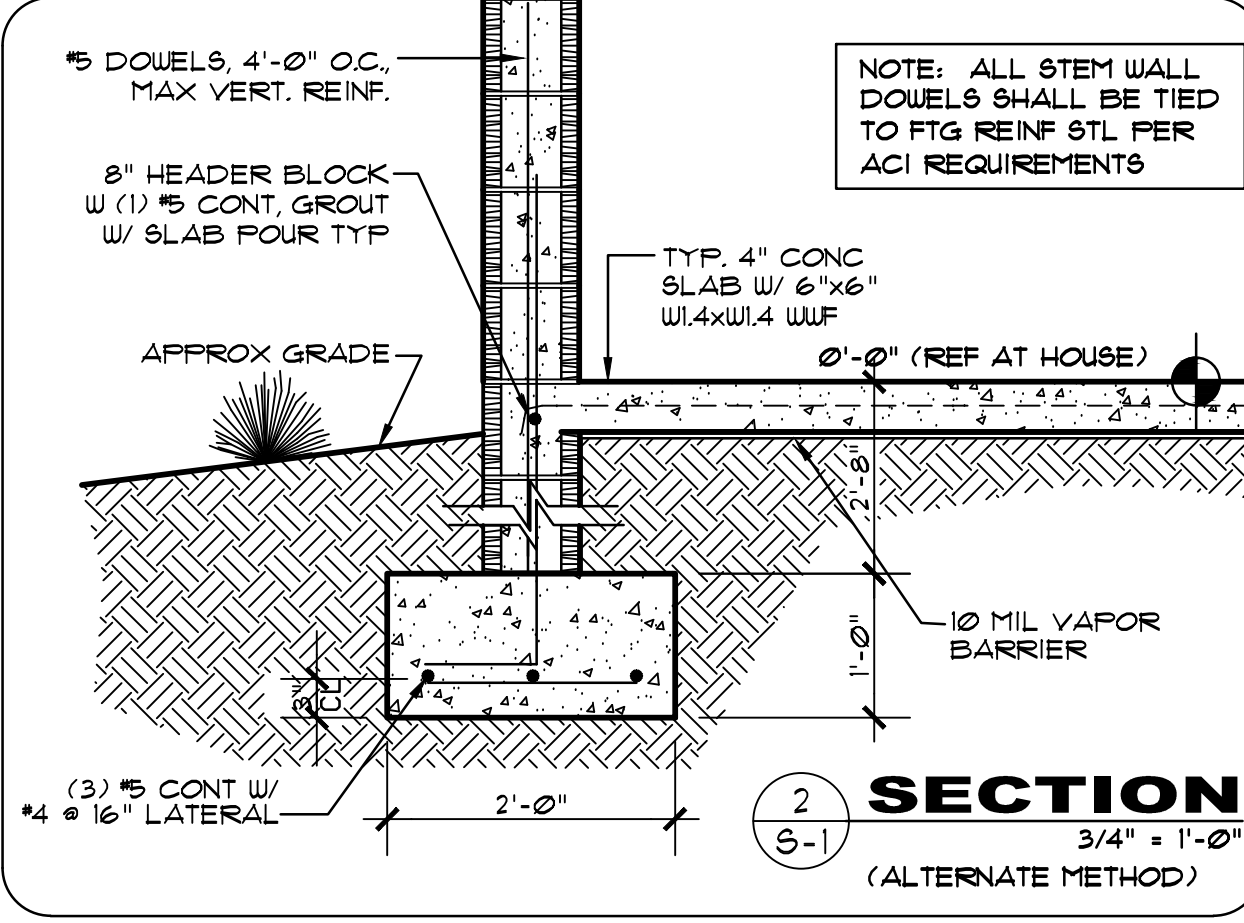
### FOUNDATION PLAN

1/4" = 1'-0"

- NOTES:
- COORD ALL FILLED CELL LOCATIONS W/ FLOOR PLAN
  - CONTRACTOR SHALL INSTALL PEST CONTROL TUBING. COORDINATE WITH OWNER.
  - COORD ALL PLUMBING FIXTURES, ETC. LOCATIONS W/ FLOOR PLAN
  - CJ = CONTROL JOINT, SEE DETAILS



**SECTION 3 (ALTERNATE METHOD)**  
 3/4" = 1'-0"



**SECTION 2 (ALTERNATE METHOD)**  
 3/4" = 1'-0"

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SHEET NAME:  
**FOUNDATION PLAN AND DETAILS**

PROPOSED DRAWINGS FOR:  
**TOP HOME SOLUTIONS NEW HOUSE**  
 9127 W. TENNESSEE LANE  
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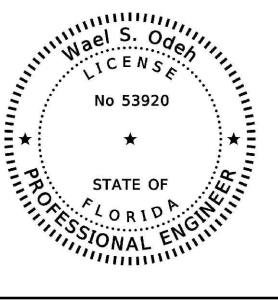
4

of

6

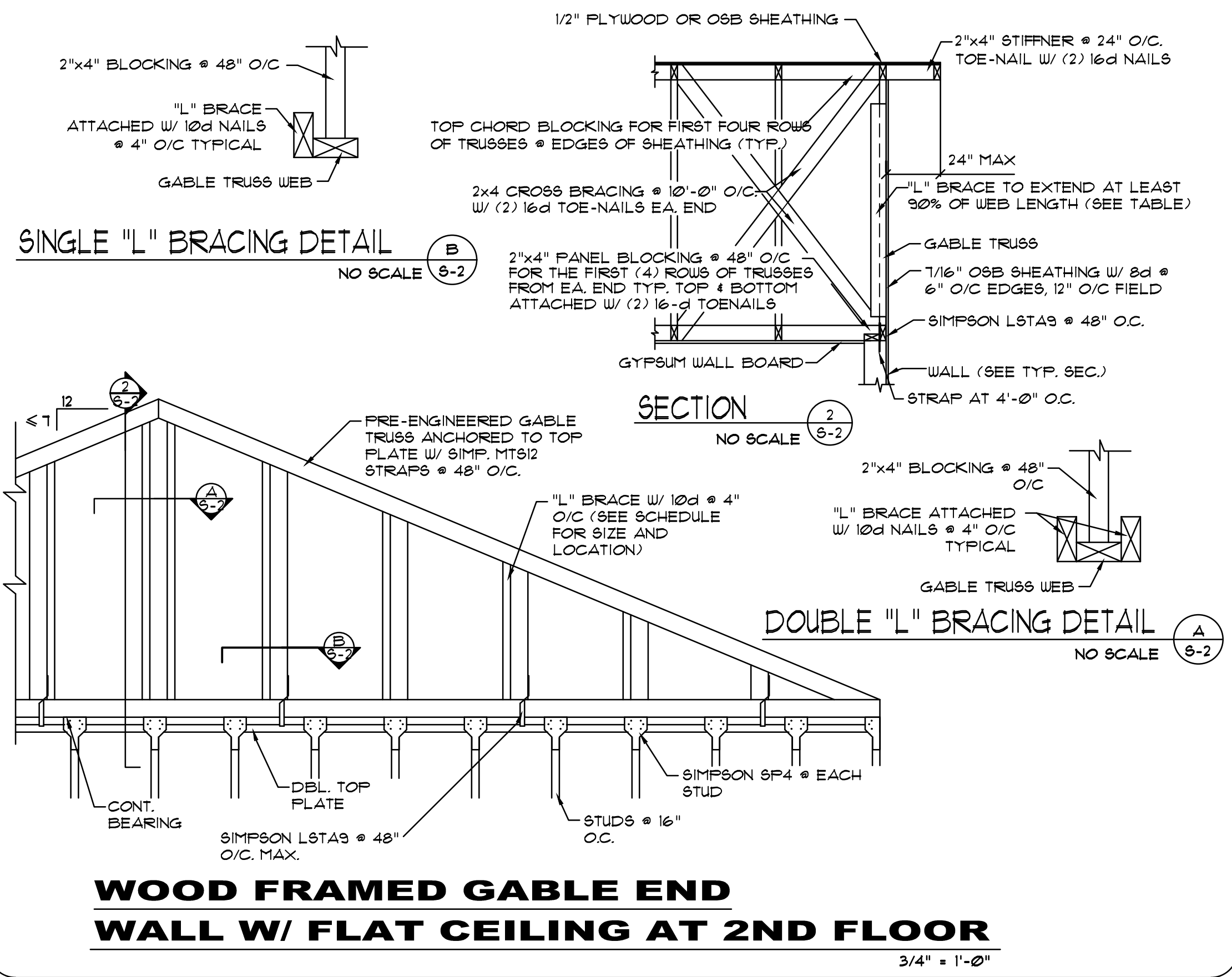
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**S-1**

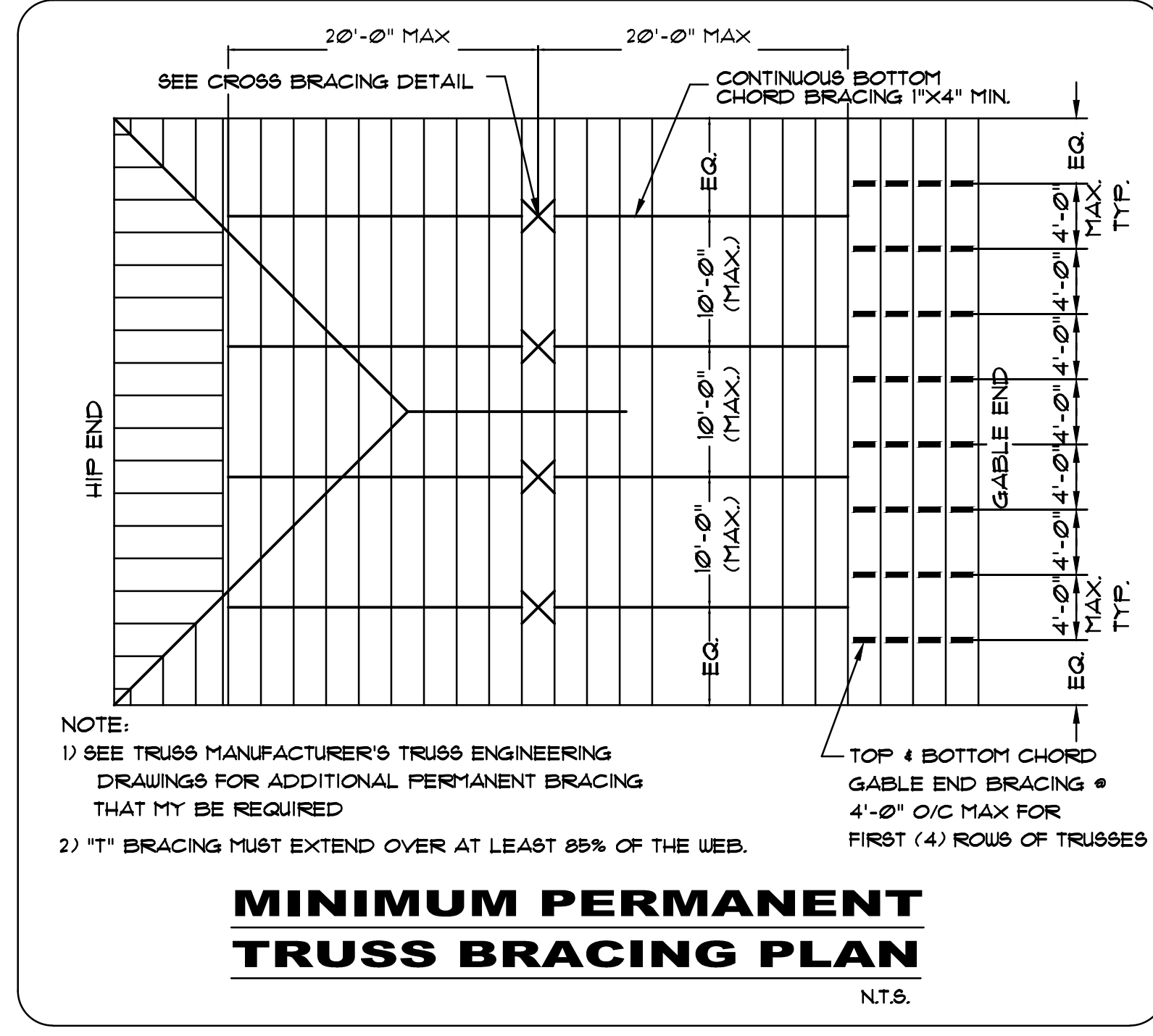
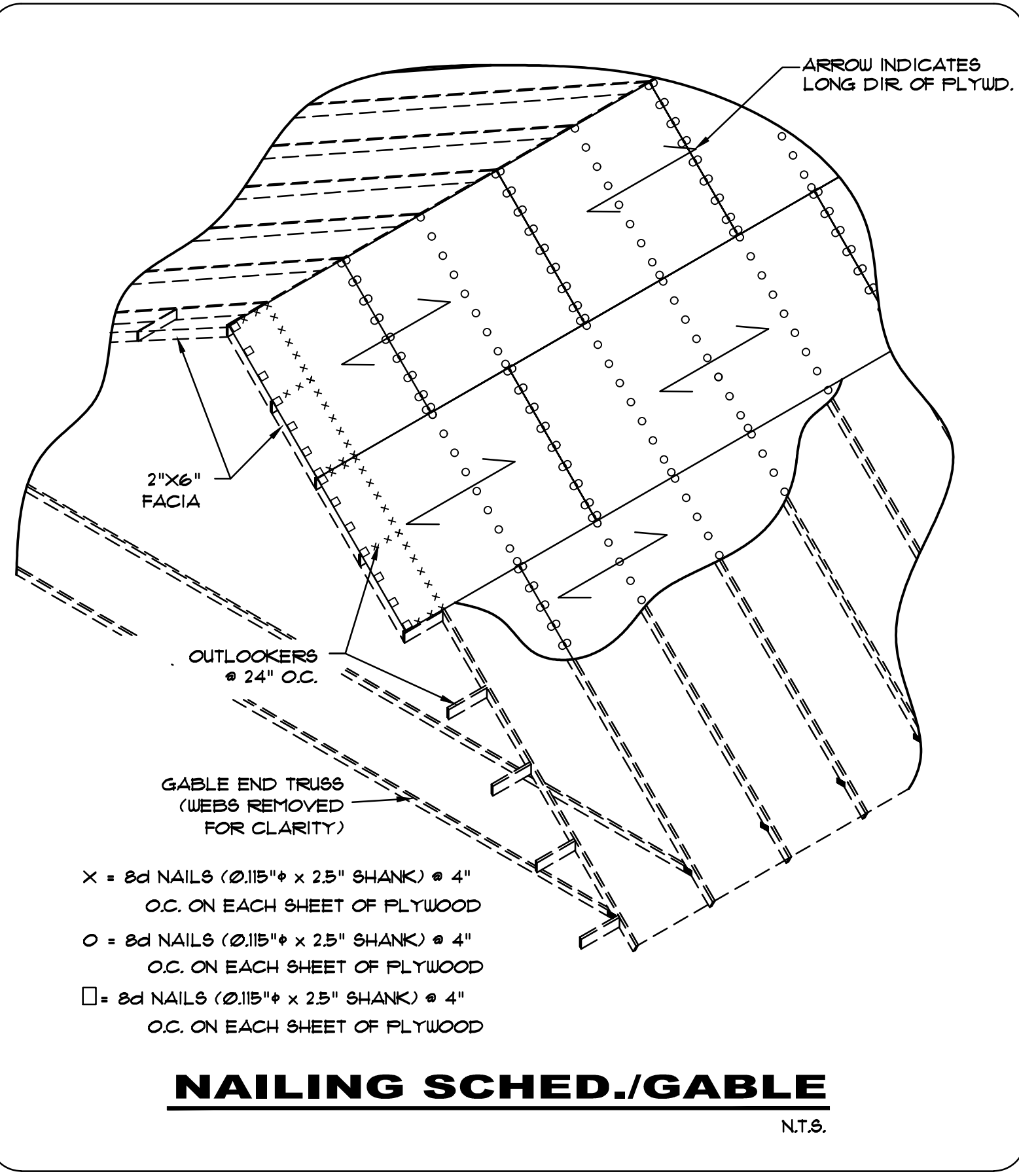
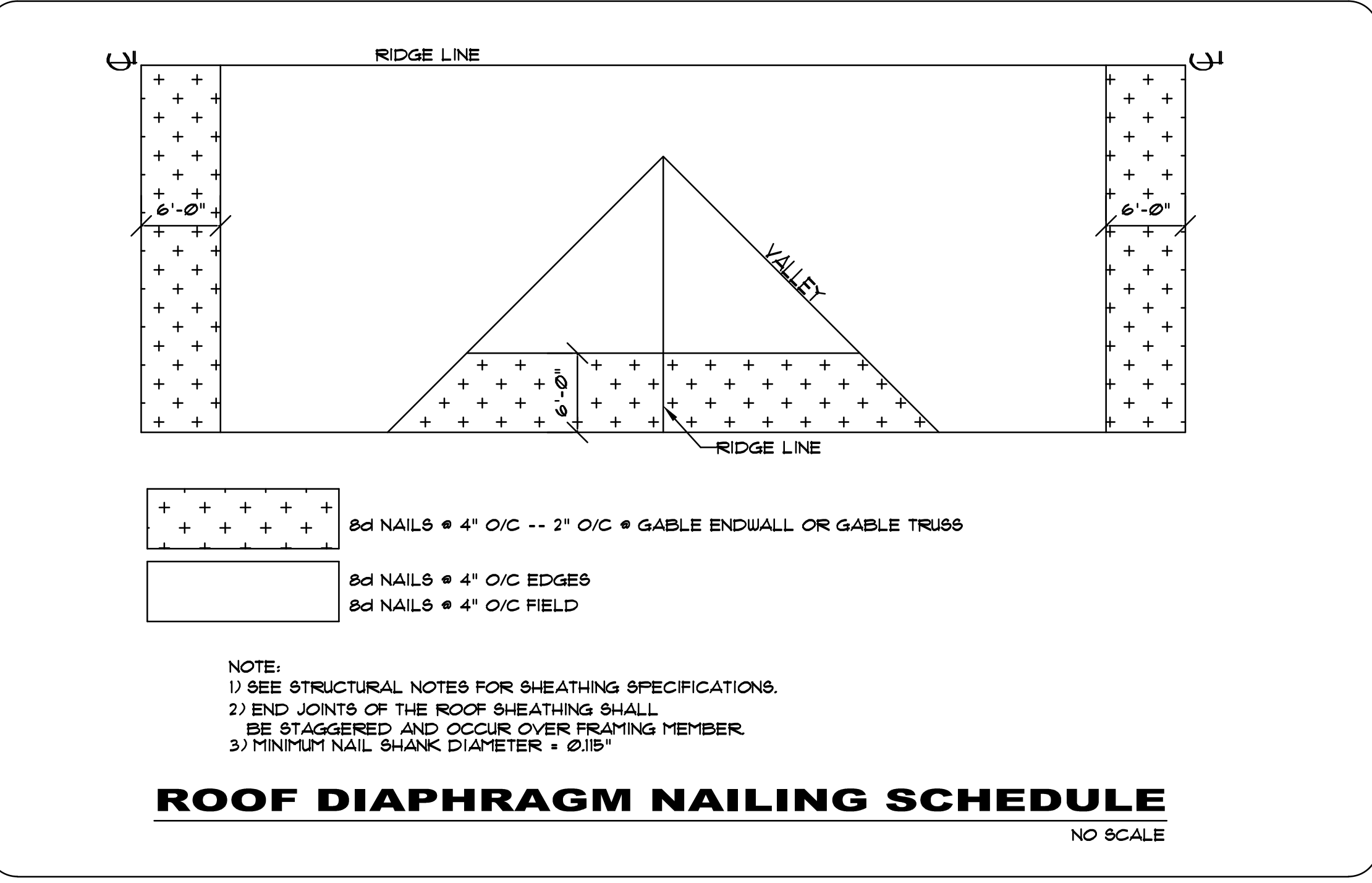
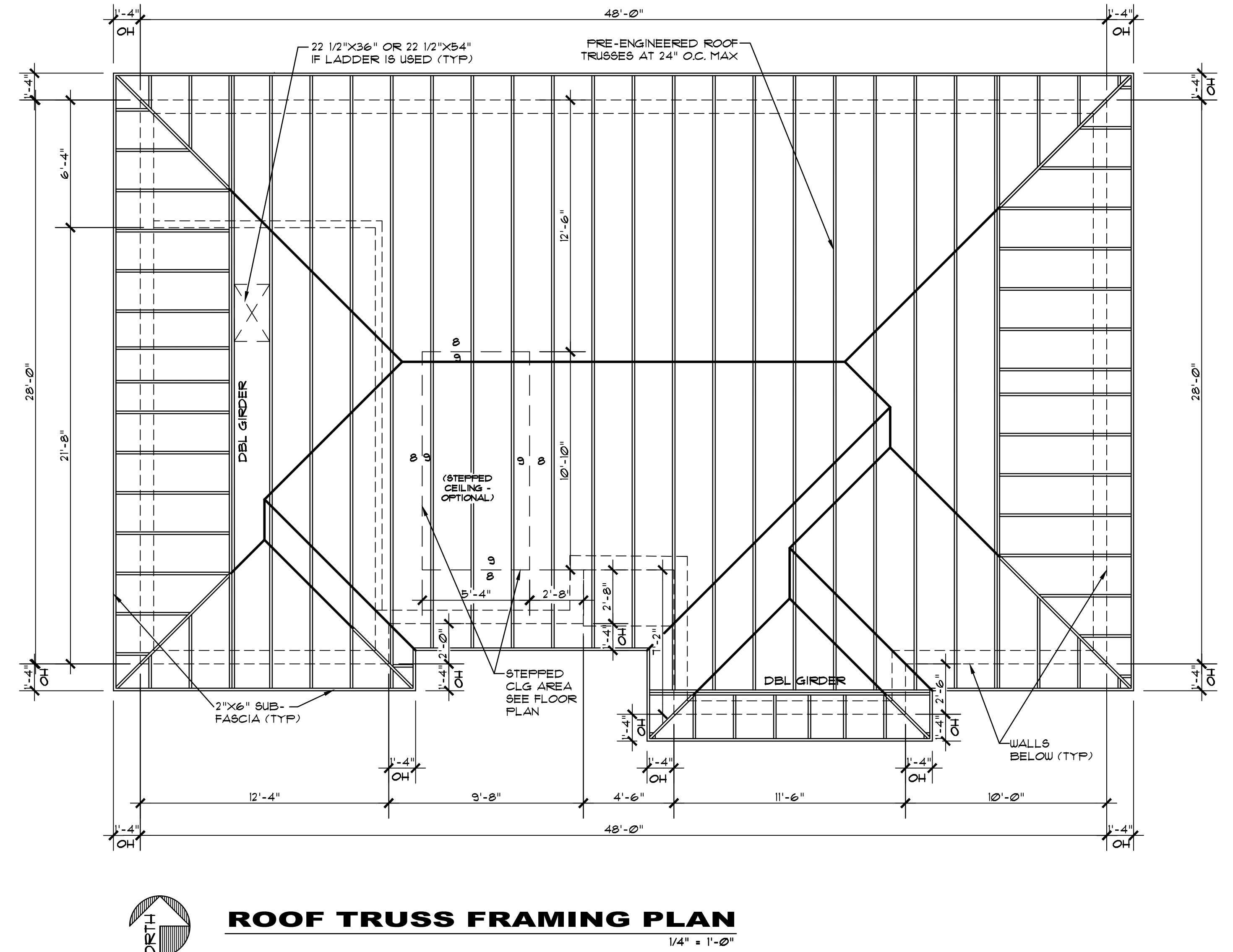


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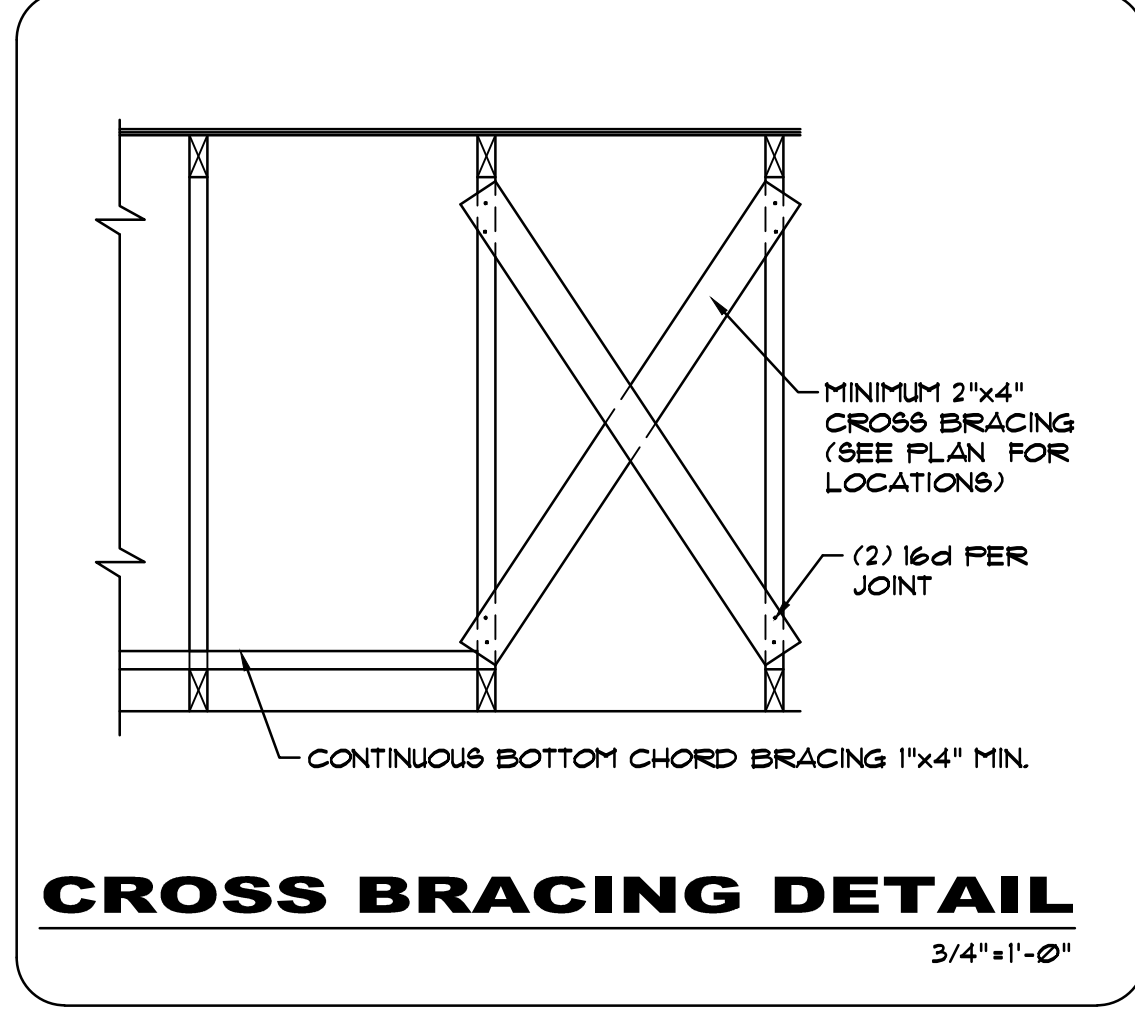
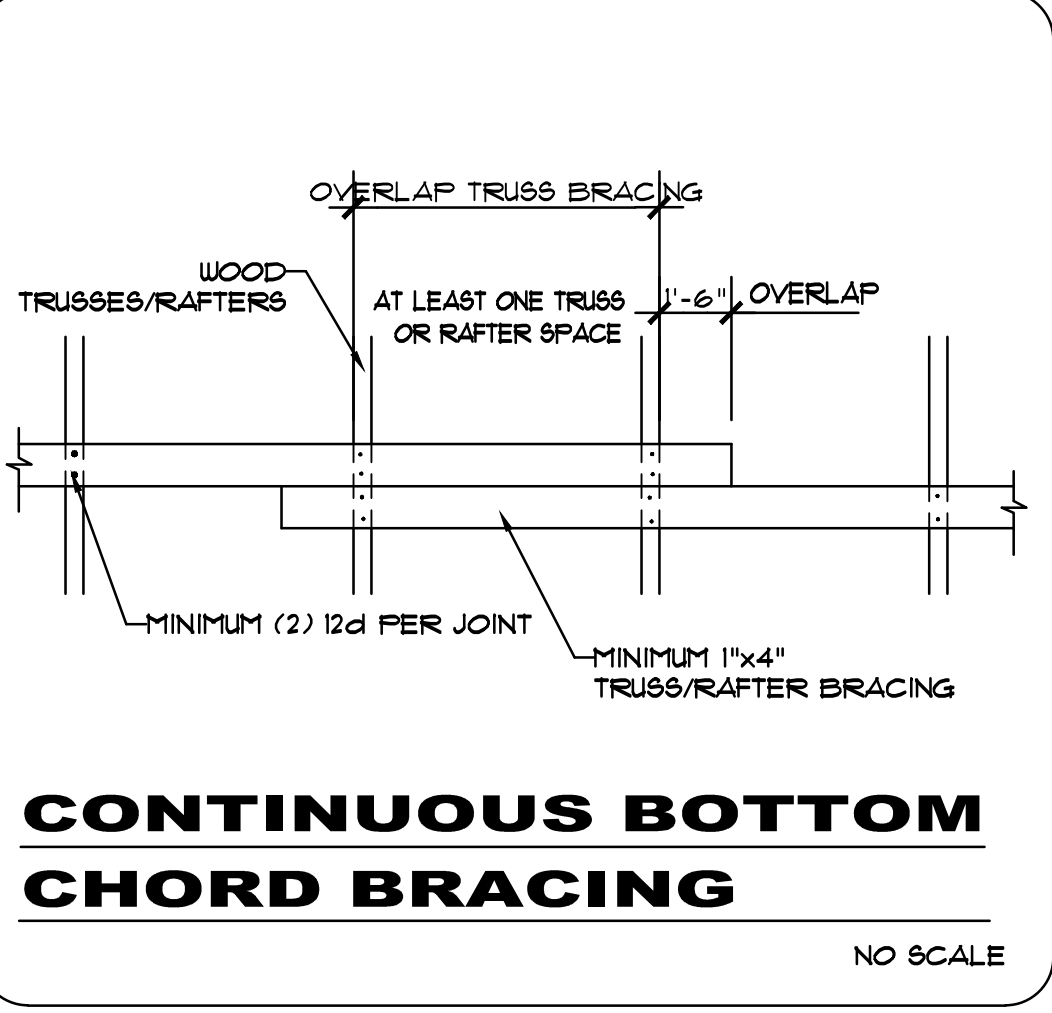
AA-00782a



- NOTES :**
- 1) TRUSS MANUFACTURER TO BE RESPONSIBLE FOR THE ENGINEERING AND CERTIFICATION OF THE TRUSS LAYOUT AS SHOWN AND/OR ANY DEVIATION FROM THIS SUGGESTED LAYOUT WHICH MAY BE DEEMED NECESSARY.
  - 2) MANUFACTURER TO SHIP ALL TRUSSES AND CONVENTIONAL FRAMING, ABOVE TOP PLATE LINE, CUT AND SIZED.
  - 3) ALL TRUSSES MUST INCLUDE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND PLANS WHEN SHIPPED TO THE JOB SITE.
  - 4) ALL TRUSSES TO BE SHIPPED WITH BOLTS FOR GIRDER ASSEMBLY. BOLTS ARE TO BE SET PER ENGINEER'S RECOMMENDATION.
  - 5) COLOR CODING THE ENDS OF TYPICAL TRUSSES AND LABELING PER PLANS, IS REQUIRED.
  - 6) TRUSS HANGERS:
    - a. TRUSS MANUFACTURER TO SPEC OUT AND BE RESPONSIBLE FOR ALL TRUSS TO TRUSS CONNECTIONS.
    - b. TRUSS MANUFACTURER TO DESIGN AND PROVIDE ALL HANGERS BETWEEN PRE-ENGINEERED FLOOR SYSTEM AND PRE-ENGINEERED GIRDERS / LVL / BEAM.
  - 7) AMERICAN FOREST TRUSS DESIGN REFERENCE



**UPLIFT NOTE:**  
EXCEPT NOTED OTHERWISE, TRUSSES MUST BE ANCHORED TO THE SUPPORTING BLOCK WALLS w/ (1) SIMPSON METAL 20 STRAP EMBEDDED 4" INTO CONCRETE AND ATTACHED TO EACH TRUSS w/ 15" 10d NAILS IN ALL NAIL HOLES. TRUSSES SHALL BE ANCHORED TO THE SUPPORTED WOOD FRAMED WALLS w/ (1) SIMPSON HT916 STRAP w/ 15" 10d NAILS IN ALL NAIL HOLES. HUNG TRUSSES SHALL BE SUPPORTED ON GIRDERS w/ HANGERS SPECIFIED ON THE MANUFACTURER'S TRUSS LAYOUT. VALLEY RAFTERS SHALL BE CONNECTED TO THE SUPPORTING TRUSSES AND RIDGE BOARD w/ (1) SIMPSON HB CLIP.



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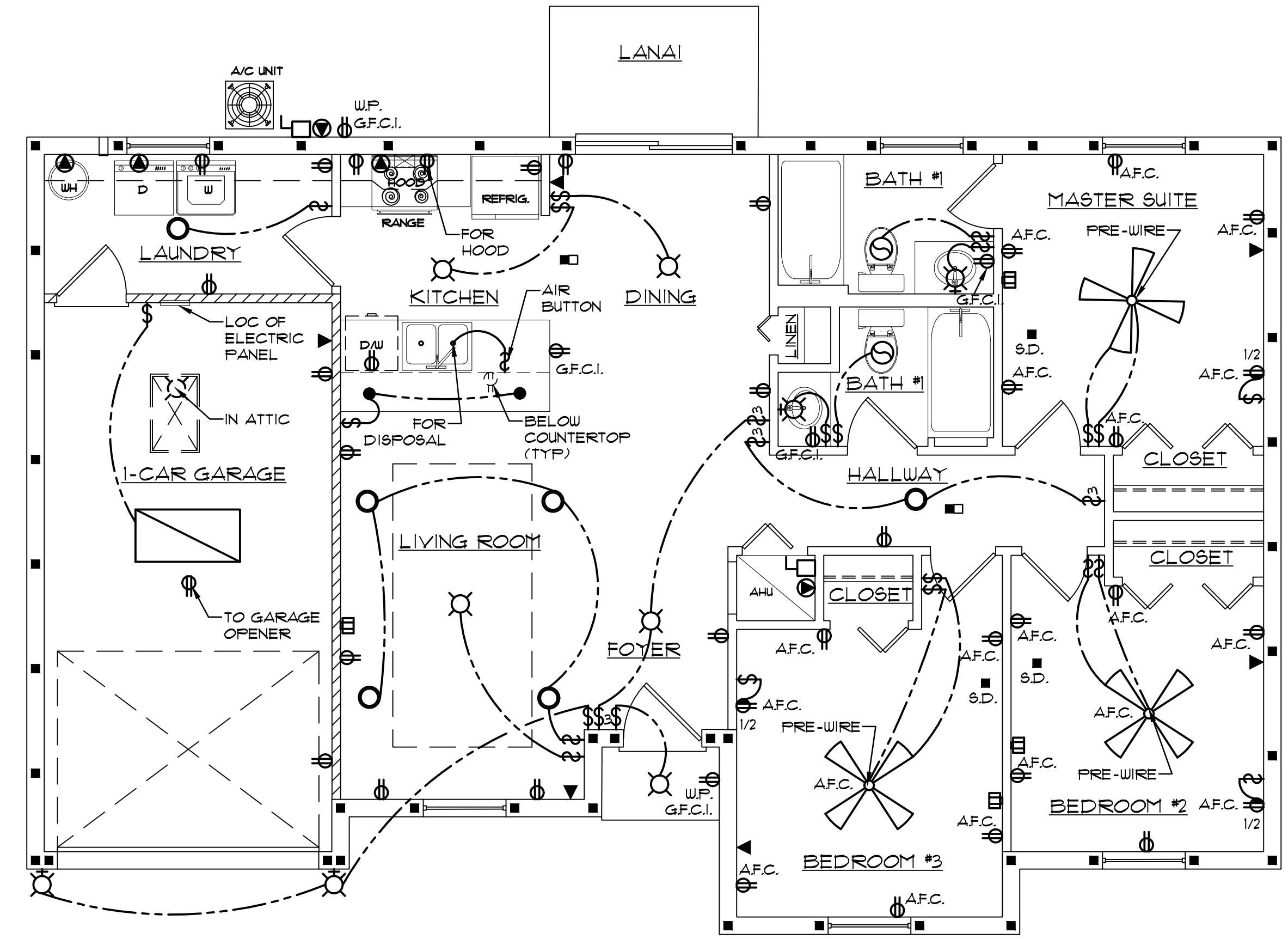
AA-00182a sheet **S-2**

PROPOSED DRAWINGS FOR:  
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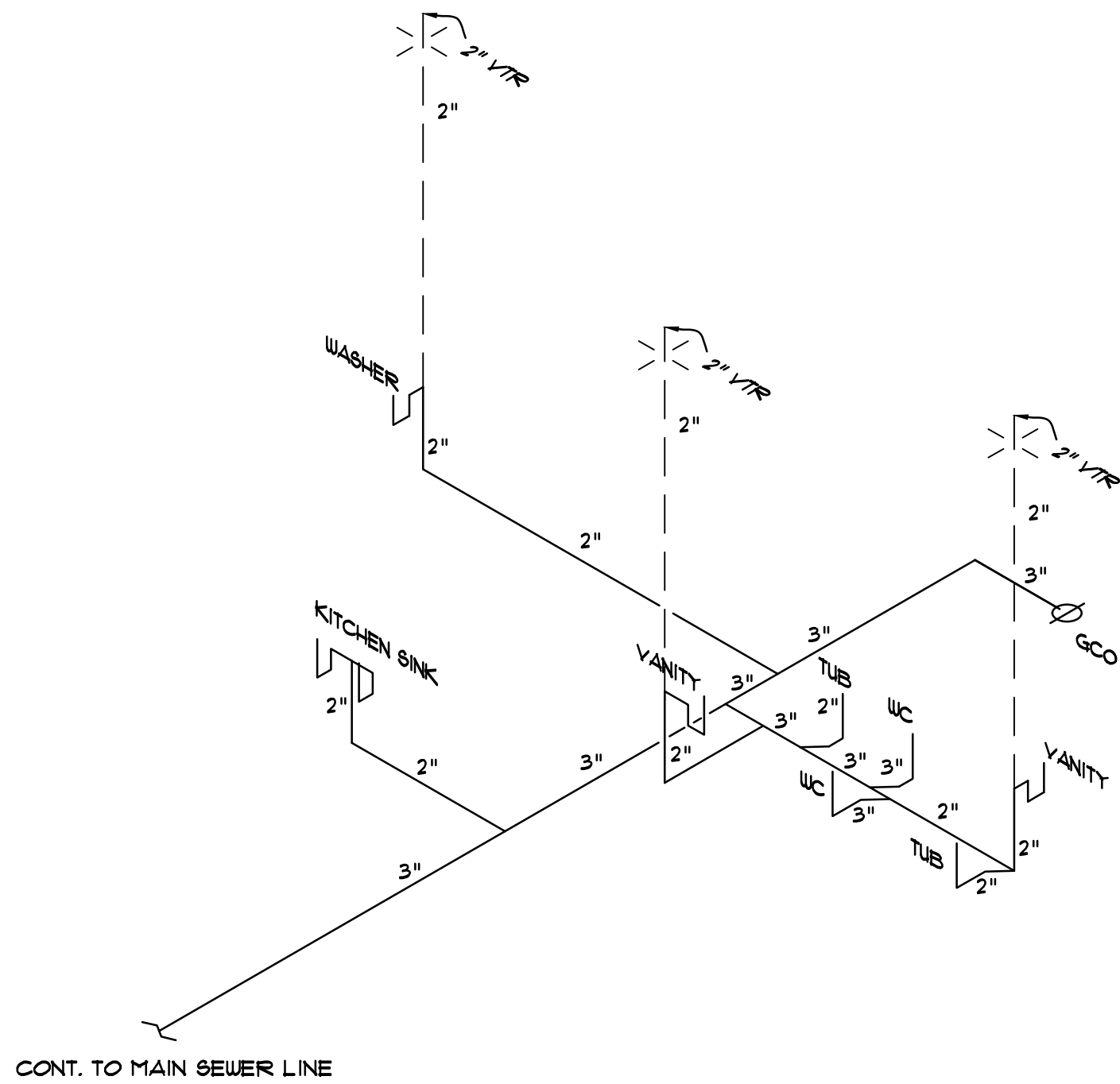
SHEET NAME:  
**ROOF TRUSS FRAMING PLAN, NOTES AND DETAILS**

DATE: 6.17.2024

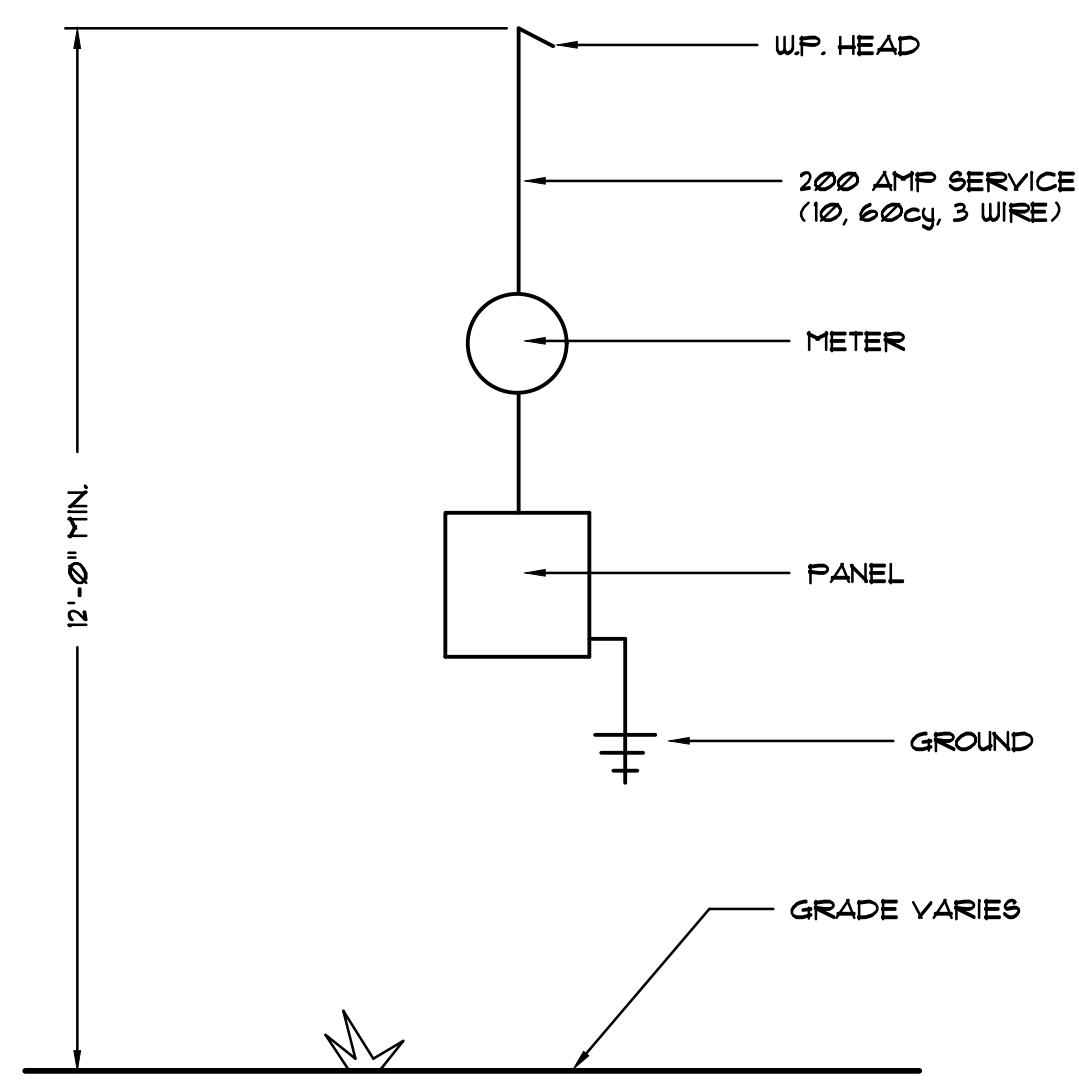
SYMBOL	DESCRIPTION
	120V DUPLEX RECEPTACLE
	120V DUPLEX FLOOR RECEPTACLE
	120V 1/2 SWITCHED DUPLEX RECEPTACLE
	120V GROUND FAULT CIRCUIT INTERRUPTER DUPLEX RECEPTACLE
	120V WEATHER PROOF DUPLEX RECEPTACLE
	240V CIRCUIT
	TOGGLE SWITCH
	DIMMER SWITCH
	3 WAY TOGGLE SWITCH
	3 WAY DIMMER SWITCH
	4 WAY TOGGLE SWITCH
	SMOKE DETECTOR
	SMOKE DETECTOR / CARBON MONOXIDE COMBO.
	INTERNET / CABLE T.V. OUTLET
	TELEPHONE OUTLET
	RECESSED LIGHT FIXTURE
	RECESSED CAN FIXTURE MINI
	RECESSED LIGHT FIXTURE DIRECTIONAL
	CEILING MOUNT LIGHT FIXTURE
	ATTIC FIXTURE (FULL CHAIN)
	WALL MOUNT LIGHT FIXTURE
	EXHAUST FAN W/ LIGHT COMBO
	EXHAUST FAN
	DISCONNECT
	FLUORESCENT 2X4
	CEILING FAN



**ELECTRICAL PLAN**  
1/4" = 1'-0"



**WASTE AND VENT ISOMETRIC**  
NO SCALE  
NOTES: 1) CLEANOUTS AS REQUIRED.  
2) AUTOMATIC VENTING MAY BE USED IF ACCEPTED BY LOCAL CODES.



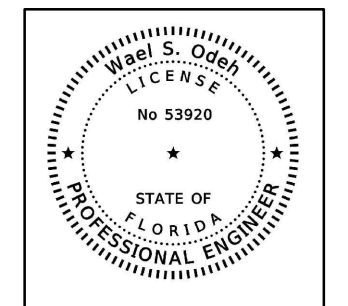
**ELECTRICAL SERVICE DIAGRAM**  
NO SCALE

SHEET NAME:  
**ELECTRIC PLAN, SCHEDULE AND NOTES**

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9127 W. TENNESSEE LANE  
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sheet **E-1**