

CONSTRUCTION DOCUMENT

LIVING AREA 1ST FLR (A/C)	3768 SQ. FT.
COVERED LANAI	668 SQ. FT.
COVERED ENTRY	518 SQ. FT.
3 CAR GARAGE	843 SQ. FT.
2 CAR GARAGE	574 SQ. FT.

TOTAL AREA_____ 6371 SQ.SF

1. BUILDING CODE DESIGN CRITERIA: FLORIDA BUILDING CODE – RESIDENTIAL (FRC), EIGHTH EDITION (2023)
2. THE CONTRACT DOCUMENTS HAVE BEEN PREPARED TO BE COMPLEMENTARY. ANY DISCREPANCIES OR AMBIGUITIES FOUND SHALL BE REPORTED TO THE ARCHITECT AT ONCE FOR CLARIFICATION.
3. ALL WORK SHALL CONFORM WITH THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE RESIDENTIAL THE NATIONAL ELECTRIC CODE AND ALL OTHER APPLICABLE LOCAL, STATE AND FEDERAL CODES AND ORDINANCES AND ALL AUTHORITIES HAVING JURISDICTION
4. FIGURED DIMENSIONS SHALL TAKE PRECEDENCE OVER SCALE MEASUREMENTS, DETAIL DIMENSIONS SHALL TAKE PRECEDENCE OVER PLAN DIMENSIONS AND DETAILS SHALL TAKE PRECEDENCE OVER SMALLER SCALE DRAWINGS.
5. ALL TERMITE PROVISIONS OF THE THE LATEST ADOPTED EDITION OF THE FLORIDA BUILDING CODE SHALL BE MET, AND SHALL BE PERFORMED BY PROPERLY TRAINED AND CERTIFIED TECHNICIANS. A WEATHER RESISTANT JOB SITE POSTING BOARD SHALL BE PROVIDED TO RECEIVE DUPLICATE TREATMENT CERTIFICATES AS EACH REQUIRED PROTECTIVE TREATMENT IS COMPLETED, PROVIDING A COPY FOR THE PERSON THE PERMIT IS ISSUED TO AND ANOTHER COPY FOR THE BUILDING PERMIT FILES. UPON COMPLETION OF ALL TREATMENTS THE FINAL CERTIFICATE SHALL BE PERMANENTLY POSTED IN AN OBVIOUS AND ACCESSIBLE LOCATION, ON THE ELECTRICAL PANEL CONTROL BOX OR THE HOT WATER HEATER. NO SHRUBS OR SPRINKLER HEADS SHALL BE PLACED WITHIN (1) ONE FOOT OF STRUCTURE. NO CONDENSATE LINES/ ROOF DOWN SPOUTS SHALL DISCHARGE WITHIN (1) ONE FOOT OF THE STRUCTURE.
6. STUCCO SHALL COMPLY WITH ASTM C926, ASTM 1063 AND FBC TABLE 1405.2
 - 6.1. THREE COAT WORK OVER METAL PLASTER BASE SHALL BE A MINIMUM OF 7/8" THICK
 - 6.2. TWO COAT WORK OVER UNIT MASONRY SHALL BE A MINIMUM OF 1/2" THICK
 - 6.3. AT STUCCO WALLS, A CORROSION-RESISTANT WEEP SCREED OR PLASTIC WEEP SCREED, WITH A MINIMUM VERTICAL ATTACHMENT FLANGE OF 3 1/2 INCHES SHALL BE PROVIDED AT OR BELOW THE CMU TO WOOD WALL TRANSITION. THE WEATHER-RESISTANT BARRIER SHALL LAP THE ATTACHMENT FLANGE. THE EXTERIOR LATH SHALL COVER AND TERMINATE ON THE ATTACHMENT FLANGE OF THE WEEP SCREED, PER R703.7.2.1
 - 6.4. 2 LAYERS OF WATER-RESISTIVE BARRIERS SHALL BE INSTALLED AS REQUIRED IN SECTION R703.2 AND R703.7.3, WHERE APPLIED OVER WOOD-BASED SHEATHING.

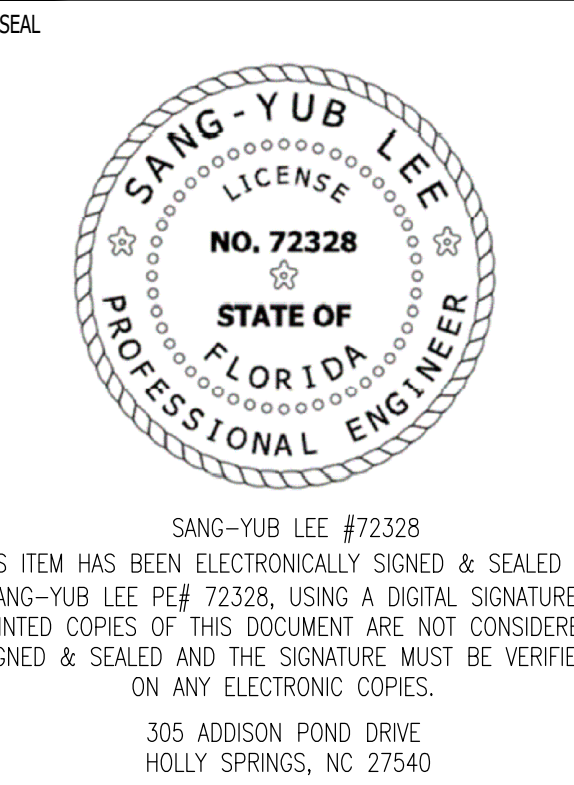
C1	COVER SHEET
A0	SITE PLAN
A1	FLOOR PLAN
A2	ELEVATIONS AND ROOF LAYOUT
A3	ELEVATIONS
E1	ELECTRICAL PLAN
M1	MECHANICAL PLAN
S0	GENERAL NOTES
S1	FOUNDATION PLAN
S2	ROOF FRAMING PLAN
D1	TYPICAL DETAILS
D2	TYPICAL DETAILS
D3	TYPICAL DETAILS
D4	TYPICAL DETAILS
D5	TYPICAL DETAILS
D6	TYPICAL DETAILS

Parcel Number:
09280-103

SINGLE FAMILY RESIDENCE:	GROUP R3
BUILDING TYPE:	V - B
RISK CATEGORY:	II
WIND DESIGN BASED ON:	ASCE 7-22
DESIGN WIND LOAD:	139 MPH
DESIGN WIND LOAD NOMINAL:	108 MPH
EXPOSURE:	C
ENCLOSED BUILDING INTERNATIONAL PRESSURE COEF.:	+18/-18 VIE.
ASCE 7-16:	MINIMUM DESIGN LOADS

	ENLARGED PLAN
	WINDOW TAG
	REVISION
	ROOM TAG
	ELEVATION MARK
	BUILDING SECTION
	WALL SECTION
	DETAIL
	INTERIOR ELEVATION
	CEILING HEIGHT
	SLAB RECESS

5A FLOOR PLAN
SCALE: 1/4" = 1'-0" DRAWING TITLE

[illegible]

CONSULTANTS

PROJECT INFO

SMITH'S RESIDENCE

3291 SW CUSTOM
MADE
LAKE CITY

SHEET TITLE

COVERSHEET

REVISIONS 		
MARK	DATE	DESCRIPTION

PARCEL ID

ADDRESS:

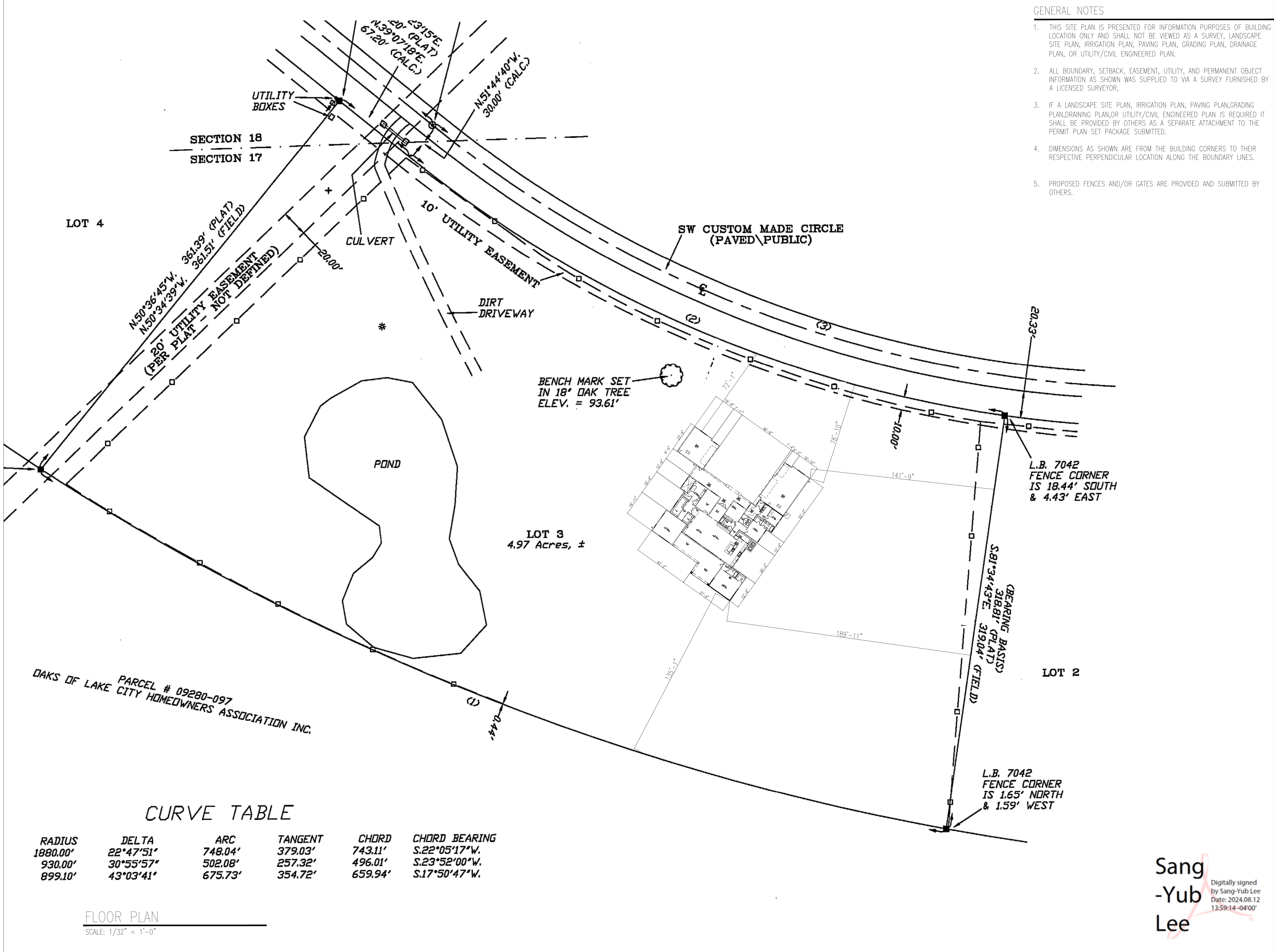
LOT #:

DRAWN BY

CHK'D BY:

SHEET NO.

C1



- GENERAL NOTES
- THIS SITE PLAN IS PRESENTED FOR INFORMATION PURPOSES OF BUILDING LOCATION ONLY AND SHALL NOT BE VIEWED AS A SURVEY, LANDSCAPE SITE PLAN, IRRIGATION PLAN, PAVING PLAN, GRADING PLAN, DRAINAGE PLAN, OR UTILITY/CIVIL ENGINEERED PLAN.
 - ALL BOUNDARY, SETBACK, EASEMENT, UTILITY, AND PERMANENT OBJECT INFORMATION AS SHOWN WAS SUPPLIED TO VIA A SURVEY FURNISHED BY A LICENSED SURVEYOR,
 - IF A LANDSCAPE SITE PLAN, IRRIGATION PLAN, PAVING PLAN, GRADING PLAN, DRAINAGE PLAN, OR UTILITY/CIVIL ENGINEERED PLAN IS REQUIRED IT SHALL BE PROVIDED BY OTHERS AS A SEPARATE ATTACHMENT TO THE PERMIT PLAN SET PACKAGE SUBMITTED.
 - DIMENSIONS AS SHOWN ARE FROM THE BUILDING CORNERS TO THEIR RESPECTIVE PERPENDICULAR LOCATION ALONG THE BOUNDARY LINES.
 - PROPOSED FENCES AND/OR GATES ARE PROVIDED AND SUBMITTED BY OTHERS.

SEAL

SANG-YUB LEE
LICENSE
NO. 72328
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

SANG-YUB LEE #72328
THIS ITEM HAS BEEN ELECTRONICALLY SIGNED & SEALED BY SANG-YUB LEE P.E. #72328, USING A DIGITAL SIGNATURE. PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED & SEALED AND THE SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
305 ADDISON POND DRIVE
HOLLY SPRINGS, NC 27540

SEGDDDESIGN
— ARCHITECTURAL ENGINEERING —

WAM
ARCHITECTURE DESIGN AND CONSULTING LLC

CONSULTANTS

PROJECT INFO

SMITH'S RESIDENCE

3291 SW CUSTOM MADE LAKE CITY

SHEET TITLE

FLOOR PLAN

REVISIONS

MARK	DATE	DESCRIPTION

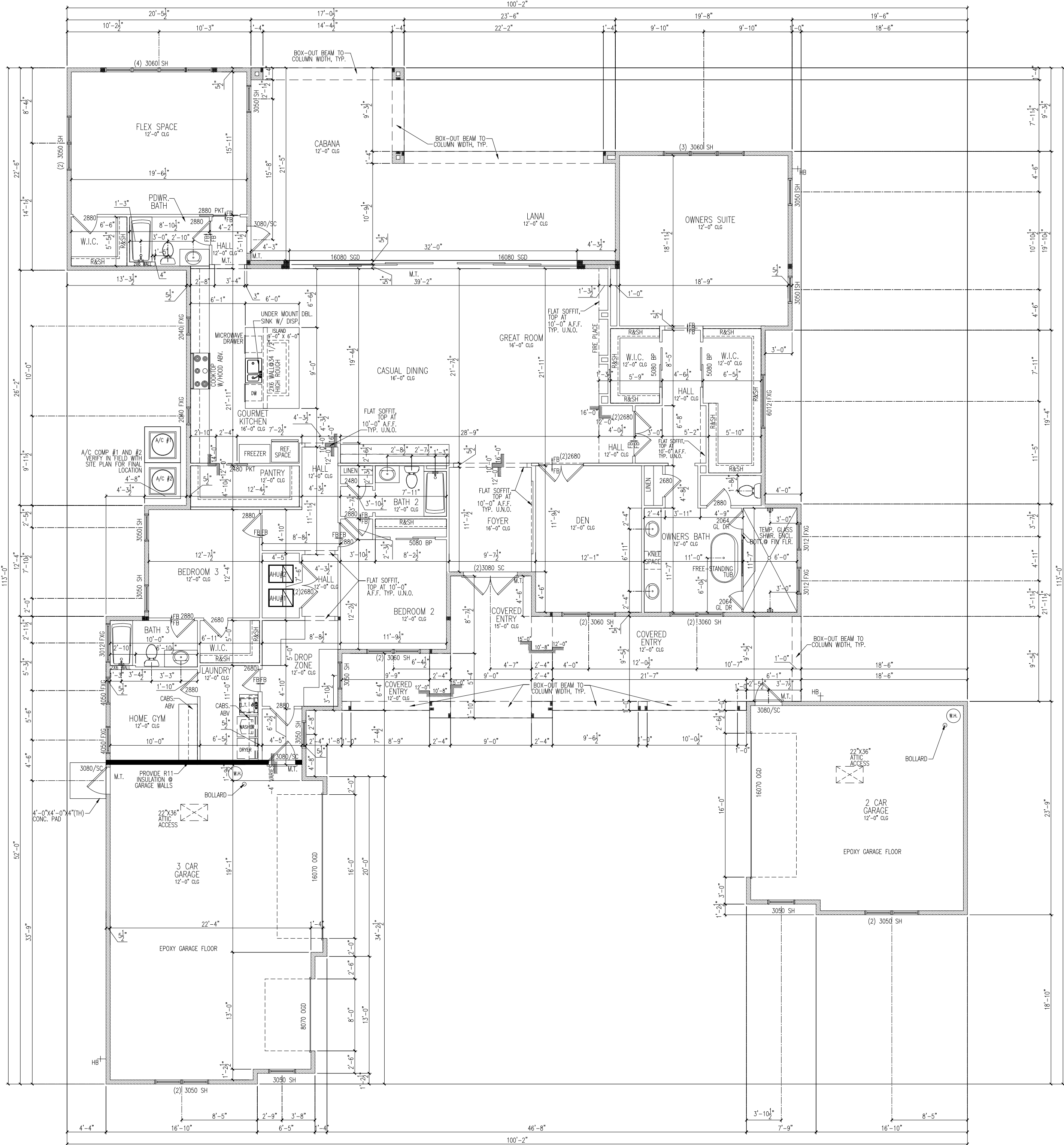
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ADDRESS: _____
LOT #: _____
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CHK'D BY: WAM _____
DATE: _____
SHEET NO. _____

Sang-Yub Lee
Digitally signed by Sang-Yub Lee
Date: 2024.08.12 13:59:14 -04'00'

A0

FLOOR PLAN

SCALE: 1/4" = 1'-0"

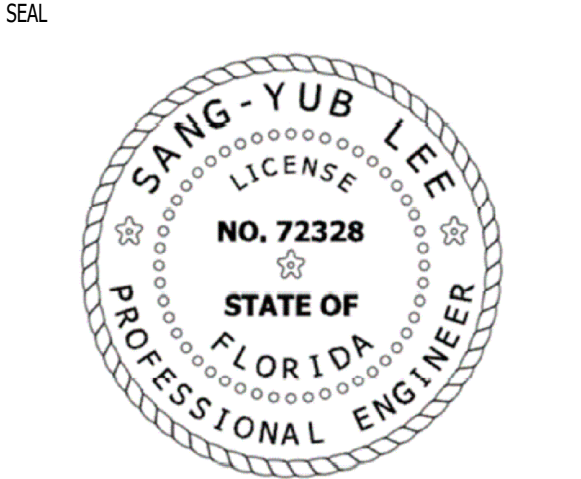


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-Yub
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by Sang-Yub Lee
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13:59:14 -04'00'

PLAN NOTES

- FIELD SHALL VERIFY ALL MASONRY OPNGS.
- 2ND FLOOR WINDOWS; ANY OPERABLE WINDOW THAT IS MORE THAN 72" ABOVE GRADE MUST COMPLY WITH R312.2.1 - MIN. 24" SILL HEIGHT.
- DOORS IN STUD WALLS SHALL BE 5" FROM ADJACENT WALL UNLESS OTHERWISE NOTED. OTHER DOORS ARE DIMENSIONED TO CENTERLINE.
- INSTALL DRAFTSTOPPING IN FLOOR SYSTEM PER FBCR R302.12. DRAFTSTOPS SHALL BE INSTALLED SO THAT THE AREA OF THE CONCEALED SPACE DOES NOT EXCEED 1,000 SQUARE FEET AND SHALL DIVIDE THE AREA INTO APPROXIMATELY EQUAL AREAS.
- SHOWER ENCLOSURES ARE REQUIRED TO BE TEMPERED PER FBCR R308.4.5
- ALL GUARDRAILS TO BE MIN. 36" AFF W/MAXIMUM SPINDLE SPACING OF 4" PER FBC R312.
- ALL STANDARD INTERIOR HEADER HEIGHT SHALL BE 7'-4" A.F.F. (8'-0" CEILING HEIGHT), 8'-4" A.F.F. (9' CEILING HEIGHT) 8'-8" (9'-4" CEILING HEIGHT) OR 9'-4" (10'-0" CEILING HEIGHT)
- PROVIDE MIN. 1/2" GYP. BOARD ON BOTTOM SIDE OF STAIRS PER FBC R302.7
- THE GARAGE SHALL BE SEPARATED FROM THE RESIDENCE AND ATTICS BY NOT LESS THAN 1/2-INCH GYPSUM BOARD OR EQUIVALENT APPLIED TO THE GARAGE SIDE PER R302.6.
- THE GARAGE SHALL BE SEPARATED FROM HABITABLE ROOMS ABOVE THE GARAGE BY NOT LESS THAN 5/8-INCH TYPE X GYPSUM BOARD OR EQUIVALENT PER R302.6.
- OPENINGS BETWEEN THE GARAGE AND RESIDENCE SHALL BE EQUIPPED WITH SOLID WOOD DOORS NOT LESS THAN 1 3/8" IN THICKNESS OR SOLID HONEYCOMB-CORE STEEL DOORS NOT LESS THAN 1 3/8" THICK OR 20-MINUTES FIRE-RATED DOORS; PER R302.5.1.
- 1/2" SAG-RESISTANT GYSUM CEILING BOARD SHALL BE USED AS REQUIRED BY R702.3.5
- * INDICATES EMERGENCY AND ESCAPE RESCUE OPENINGS AS REQUIRED BY FBCR R310.1. CONTRACTOR TO COORDINATE AND VERIFY REQUIREMENTS WITH SELECTED WINDOW MANUFACTURER



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HOLLY SPRINGS, NC 27540



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3291 SW CUSTOM
MADE
LAKE CITY

SHEET TITLE

FLOOR PLAN

REVISIONS

MARK	DATE	DESCRIPTION

PARCEL ID:

ADDRESS:

LOT #:

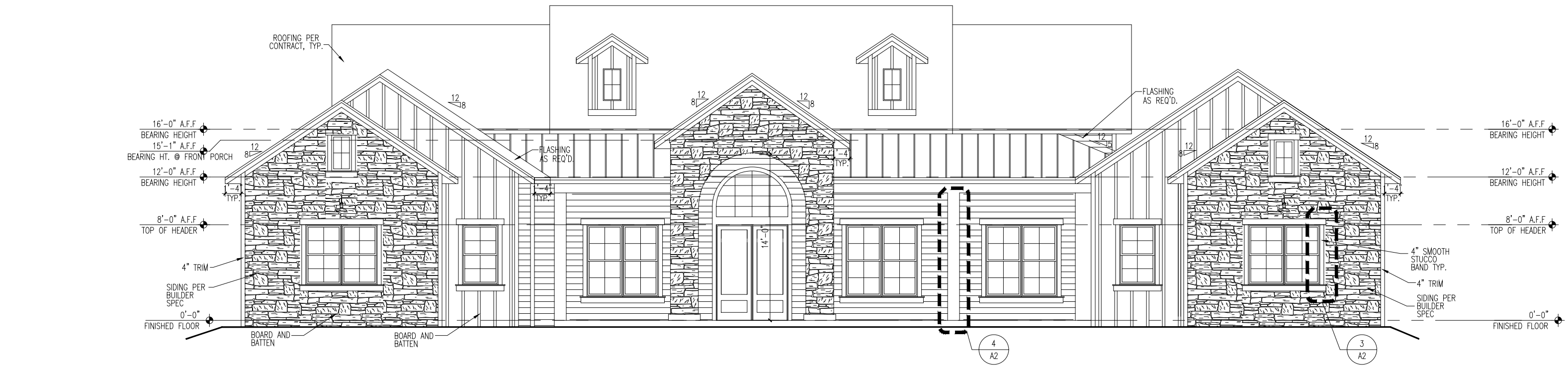
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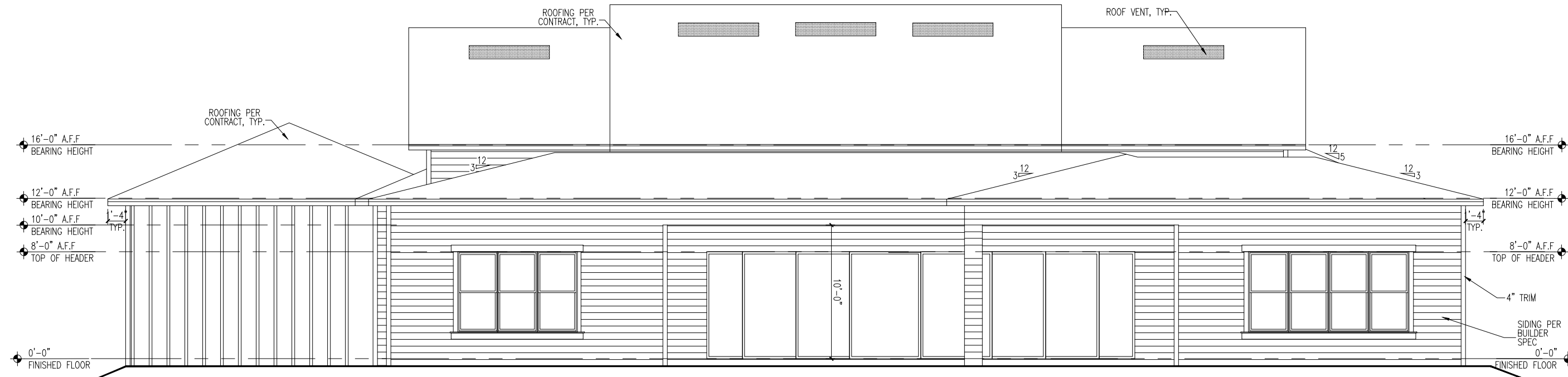
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A1



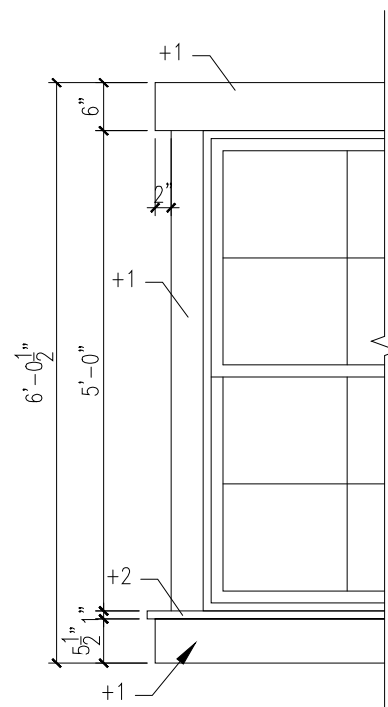
FRONT ELEVATION

SCALE: 1/8" = 1'-0"

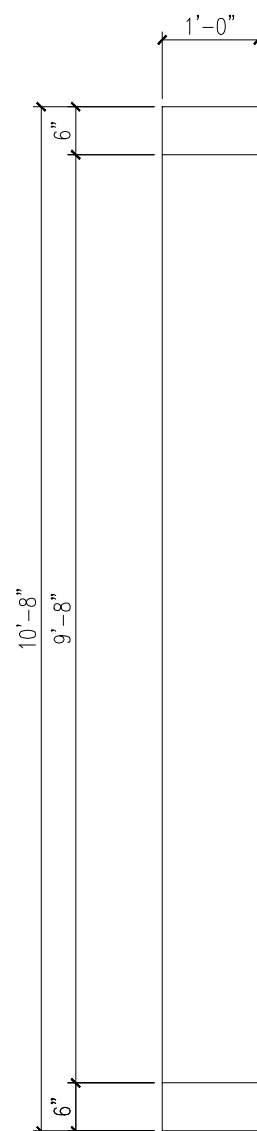


REAR ELEVATION

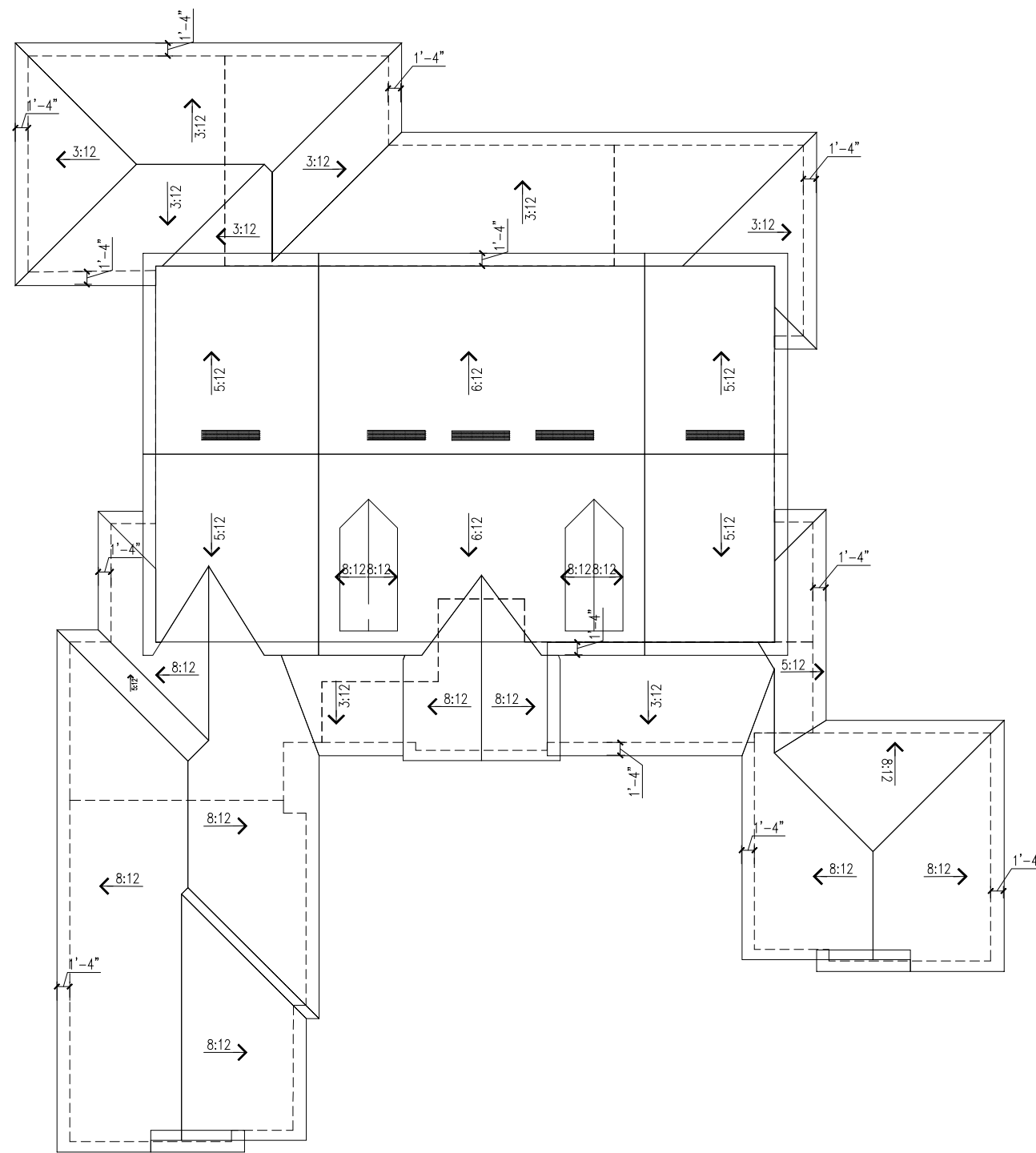
SCALE: 1/8" = 1'-0"



3 WINDOW DETAIL
A2 SCALE: 1/2" = 1'-0"



3 COLUMN DETAIL
A2 SCALE: 1/2" = 1'-0"



ROOF PLAN

SCALE: 1/16" = 1'-0"

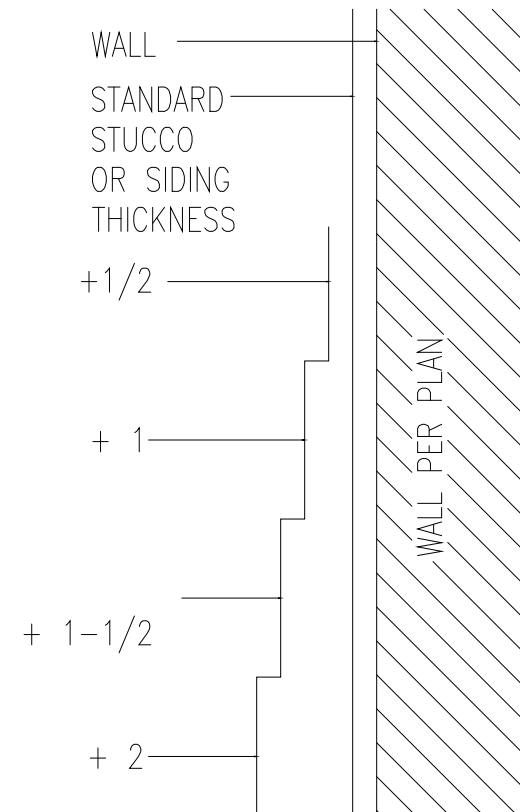
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Lee
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by Sang-Yub Lee
Date: 2024.08.12
13:59:14 -0400

ATTIC VENTILATION – NOTES

- GC SHALL VERIFY THAT THE NET FREE VENTILATION OF THE VENT PRODUCT SELECTED MEETS THE VENTILATION REQUIREMENTS OF THE ROOF AREAS.
- ALL OVERLAPPED FRAMED ROOF AREAS SHALL HAVE OPENINGS BETWEEN THE ADJACENT ATTICS, IN THE ROOF SHEATHING, TO ALLOW FOR ATTIC VENTILATION BETWEEN THE ATTIC SPACES. OR, EACH ISOLATED ATTIC SPACE SHALL BE VENTED INDEPENDENTLY.

ATTIC VENTILATION

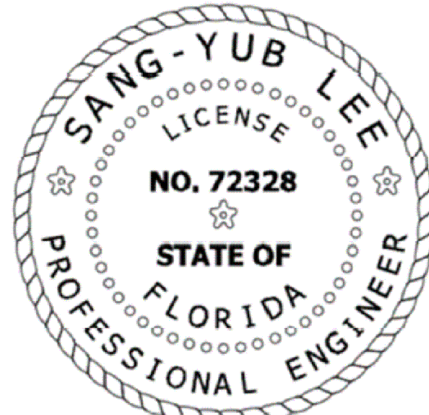
MAIN ROOF
7057 SF X 144 = 1,016,208 SQ IN
1,016,208 SQ IN/300 = 3387.36.0 SQ IN OF VENT REQUIRED
1693.68 SQ IN OF VENT HIGH AND 1693 SQ IN OF VENT LOW (IN SOFFIT)



STUCCO BAND DIMENSION	SIDING BOARD DIMENSION
+ 1/2	5/4" FLAT
+ 1	1-1/2" FLAT
+ 1-1/2	+2" BOARD ON EDGE
+ 2	+2 1/2" BOARD ON EDGE

1A BANDING THICKNESS CALLOUTS
SCALE: NTS

SEAL



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HOLLY SPRINGS, NC 27540



CONSULTANTS

PROJECT INFO

SMITH'S RESIDENCE

3291 SW CUSTOM
MADE
LAKE CITY

SHEET TITLE

ELEVATIONS AND
ROOF PLAN

REVISIONS

MARK	DATE	DESCRIPTION

PARCEL ID:

ADDRESS:

LOT #:

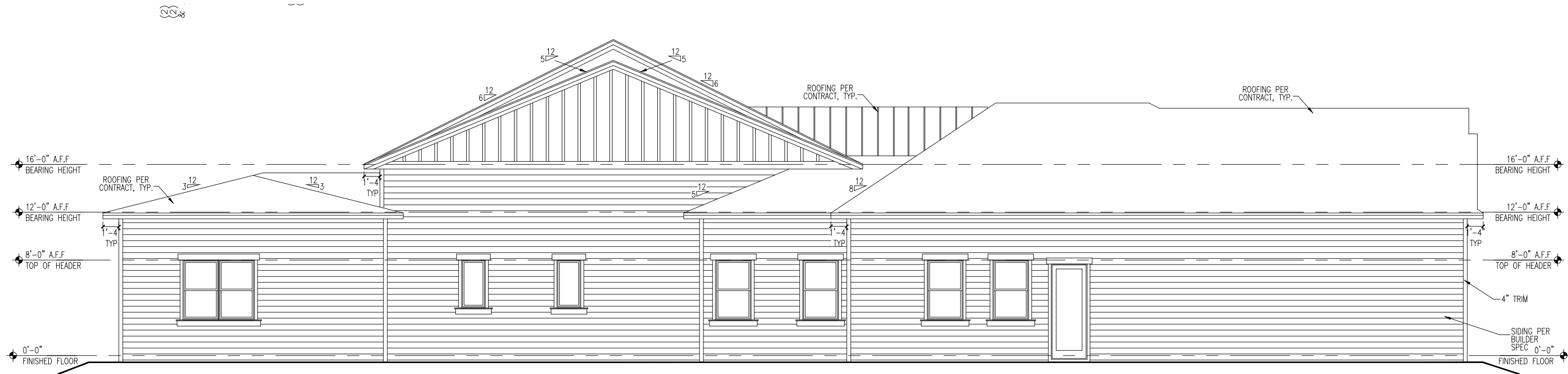
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DATE:

SHEET NO.

A2



LEFT ELEVATION

SCALE: 1/8" = 1'-0"

ELEVATION A



RIGHT ELEVATION

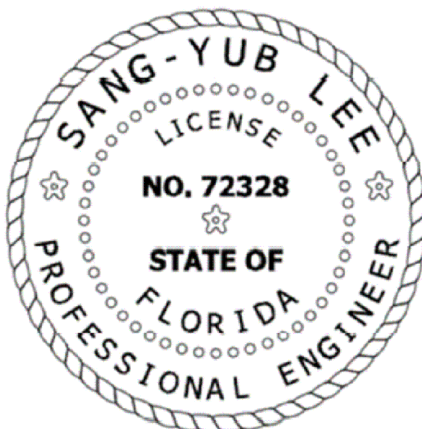
SCALE: 1/8" = 1'-0"

ELEVATION A

Sang
-Yub
Lee

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by Sang-Yub Lee
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MADE
LAKE CITY

SHEET TITLE

ELEVATIONS

REVISIONS		
MARK	DATE	DESCRIPTION

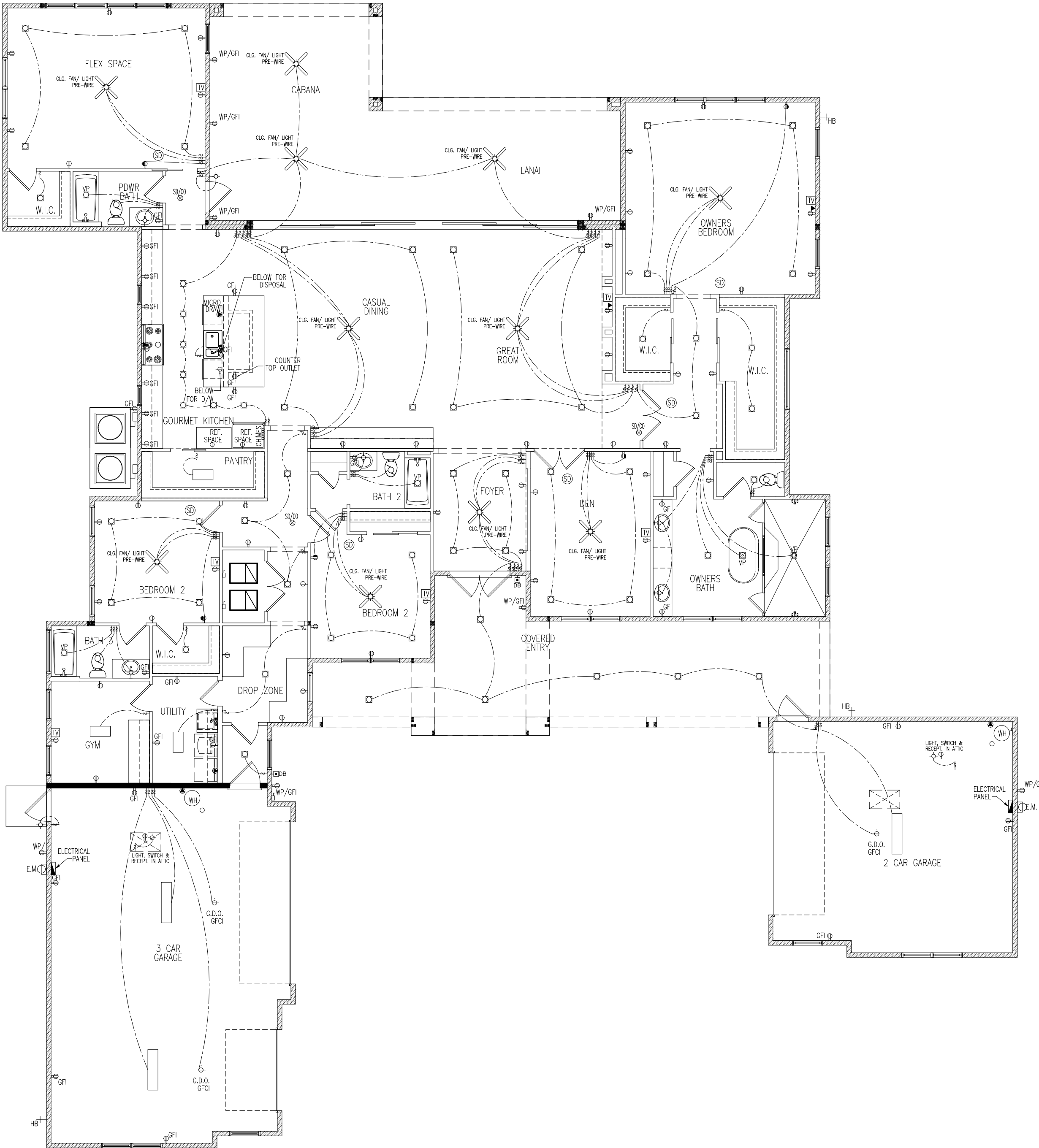
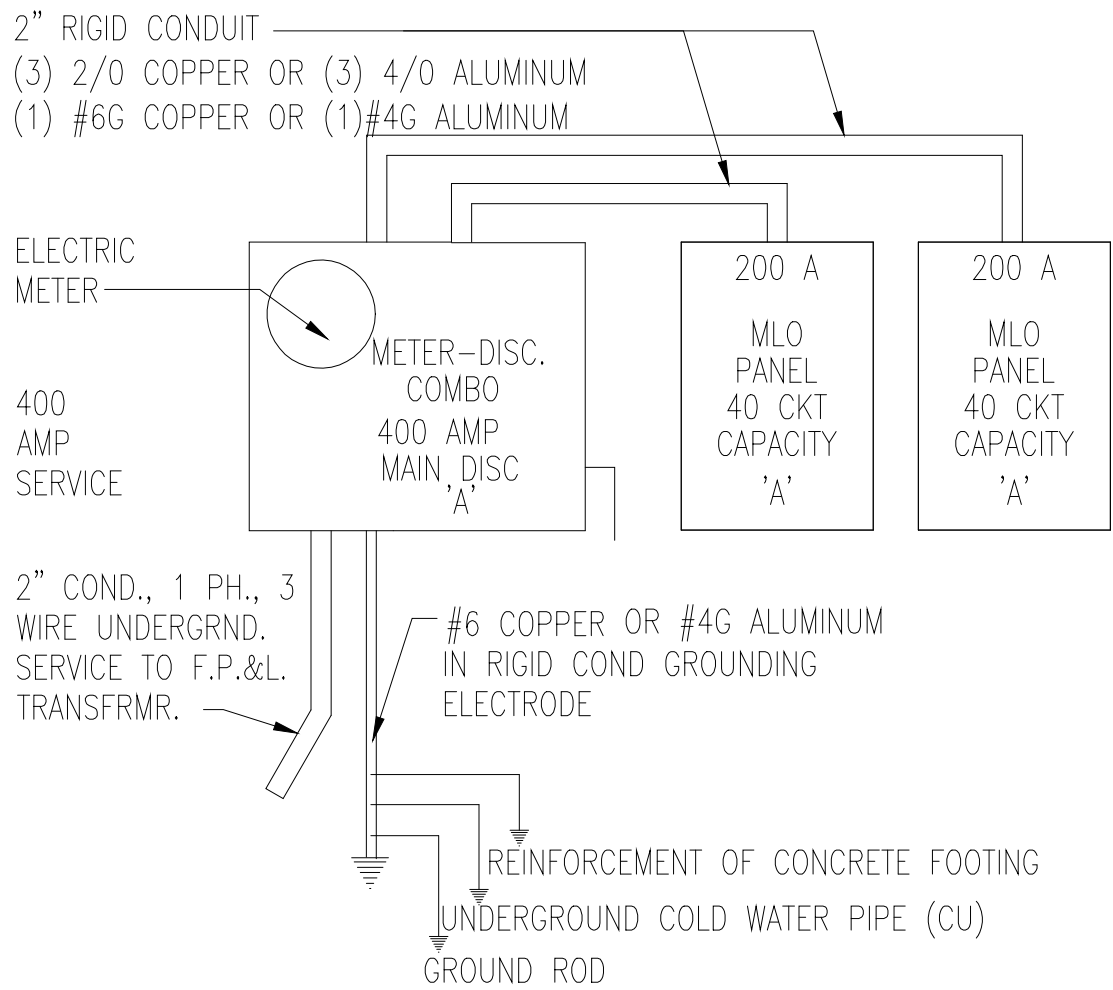
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ADDRESS: _____
LOT #: _____
DRAWN BY: AS _____
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DATE: _____
SHEET NO. _____

A3

ELECTRICAL SYMBOLS LEGEND

	SINGLE RECEPTACLE
	DUPLEX RECEPTACLE
	240V RECEPTACLE
	SWITCHED RECEPTACLE
	DUPLEX RECEPTACLE (220 VOLT)
	SINGLE FLOOR RECEPTACLE
	DUPLEX FLOOR RECEPTACLE
	SWITCHED FLOOR RECEPTACLE
	QUADRAPLEX FLOOR RECEPTACLE
	GROUND FAULT INTERRUPTER (GFCI)
	WEATHERPROOF GROUP
	ELECTRIC PANEL
	VAPOR PROOF
	RECESS INCAND. (EYEBALL) FIXTURE
	SINGLE FLOOD - WALL MOUNTED
	DOUBLE FLOOD - WALL MOUNTED
	SINGLE FLOOD - SOFFIT MOUNTED
	DOUBLE FLOOD - SOFFIT MOUNTED
	HANGING / PENDANT - CEILING HUNG
	INCANDESCENT LED FIXTURE - CEILING MOUNTED
	INCANDESCENT LED FIXTURE - WALL MOUNTED
	RECESSED LED HIGH HAT
	2 FT UNDER CABINET FLUOR. FIXTURE
	3 FT UNDER CABINET FLUOR. FIXTURE
	4 FT UNDER CABINET FLUOR. FIXTURE
	STRIP LIGHT
	12X24 FLUOR. FIXTURE
	12X36 FLUOR. FIXTURE
	12X48 FLUOR. FIXTURE
	24X48 FLUOR. FIXTURE
	EXHAUST FAN
	EXHAUST FAN W/ LIGHT
	ELECTRIC CO. METER
	GAS CO. METER
	SMOKE DETECTOR/CARBON MONOXIDE DETECTOR
	SMOKE DETECTOR
	SINGLE POLE SWITCH
	3 WAY SWITCH
	4 WAY SWITCH
	DIMMER SWITCH
	PUSHBUTTON
	DISCONNECT SWITCH
	JUNCTION BOX
	TV JACK
	PHONE JACK - PREWIRE ONLY
	THERMOSTAT
	PHOTOCELL - SOFFIT MOUNT
	PHOTOCELL - WALL MOUNT
	ELECTRICAL PANEL
	SPEAKER WIRE FROM TOP OF WALL
	KEYPAD
	CHIMES
	STRUCTURED PANEL (A.K.A. SMART BOX, COMMUNICATIONS BOX, MEDIA BOX, HOME DIRECTORY)
	INTERCOM

ELECTRICAL RISER DIAGRAM



FIRST FLOOR ELECTRICAL PLAN

SCALE: 1/4" = 1'-0"

ELECTRIC MOUNTING HEIGHTS

STANDARD RECEPTACLES INTERIOR/EXTERIOR	18" AFF
STANDARD PHONE/TV/DATA BOXES	18" AFF
STANDARD SWITCHES/COUNTER TOP GFI OUTLETS	46" AFF
DEDICATED OUTLET FOR WASHER AND DRYER	32" AFF
THERMOSTAT	60" AFF
COACH LIGHTS	68" AFF
MICROWAVE	78" AFF

NOTE: MOUNTING HEIGHTS ARE TO THE CENTER

ELECTRIC NOTES

1. AFCI PROTECTION TO BE PROVIDED AT ALL BRANCH CIRCUITS SUPPLYING 120-VOLT, SINGLE-PHASE, 15- AND 20-AMPERE OUTLETS INSTALLED IN DWELLING UNITS, FAMILY ROOMS, DINING ROOMS, LIVING ROOMS, PARLORS, LIBRARIES, DENS, BEDROOMS, SUNROOMS, RECREATION ROOMS, CLOSETS, HALLWAYS, OR SIMILAR ROOMS OR AREAS AS REQUIRED BY FBCR E3902.16.
2. 100% OF ALL INTERIOR & EXTERIOR PERMANENT LIGHT FIXTURES USES CFL/LED LAMPS

SEAL

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305 ADDISON POND DRIVE
HOLLY SPRINGS, NC 27540

SEGDDesign
—ARCHITECTURAL ENGINEERING—

WAM
ARCHITECTURE DESIGN AND CONSULTING LLC

CONSULTANTS

PROJECT INFO

CUSTOM

3291 SW CUSTOM
MADE

SHEET TITLE

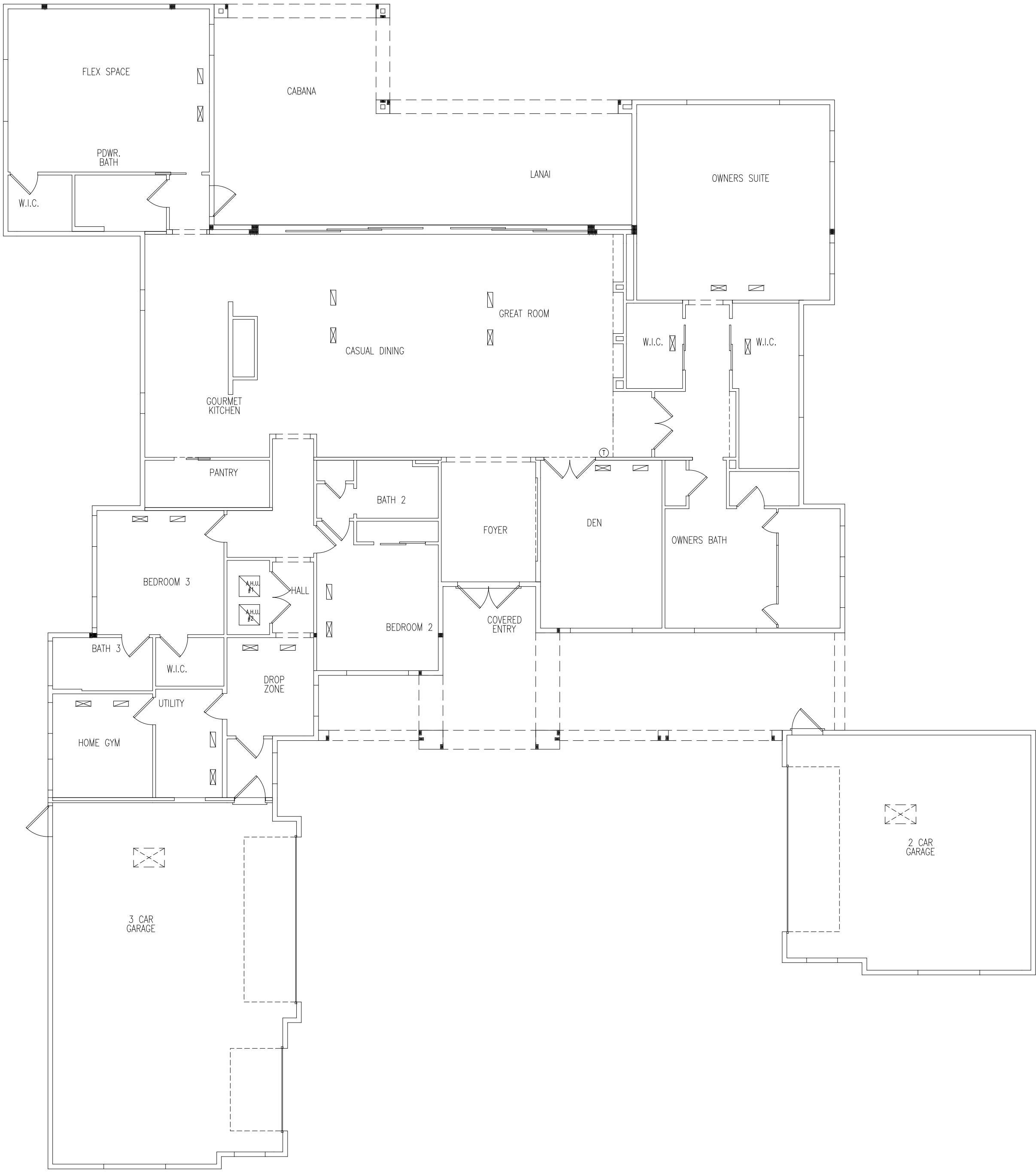
ELECTRICAL
LAYOUT

REVISIONS		
MARK	DATE	DESCRIPTION
PARCEL ID:		
ADDRESS:		
LOT #:		
DRAWN BY: AS		
CHK'D BY: WAM		
DATE:		
SHEET NO.		

Sang-Yub Lee

Digitally signed by Sang-Yub Lee
Date: 2024.08.12 13:59:14 -04'00'

E1



MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

Sang
-Yub
Lee

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by Sang-Yub Lee
Date: 2024.08.12
13:59:14 -04'00'

DIFFUSER LEGEND

SUPPLY

RETURN

EXHAUST FAN

FOR REFERENCE ONLY

THIS LAYOUT IS FOR REFERENCE AND ENERGY
CALCULATION DOCUMENTS SUPERSEDES THIS LAYOUT

SEAL

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HOLLY SPRINGS, NC 27540



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CUSTOM

3291 SW CUSTOM
MADE

SHEET TITLE

DIFFUSER LAYOUT

REVISIONS		
MARK	DATE	DESCRIPTION

PARCEL ID: _____
ADDRESS: _____
LOT #: _____
DRAWN BY: AS _____
CHK'D BY: WAM _____
DATE: _____
SHEET NO.

M1

GENERAL NOTES

1. IT IS THE SUBCONTRACTORS SOLE RESPONSIBILITY TO DETERMINE ERECTION PROCEDURE AND SEQUENCE TO INSURE THE SAFETY OF THE BUILDING AND ITS COMPONENT PARTS DURING ERECTION. THIS INCLUDES, BUT IS NOT LIMITED TO , THE ADDITION OF WHATEVER TEMPORARY BRACING, GUYS OR TIE-DOWNS MAY BE NECESSARY.

FOUNDATIONS

1. FOUNDATION DESIGN IS BASED ON AN ALLOWABLE SOIL BEARING PRESSURE OF 2000 PSF (ASSUMED)
2. PLACE FOOTINGS/SLAB ON COMPACTED SOIL. FOLLOW RECOMMENDATIONS OF SOILS REPORT.

CAST IN PLACE CONCRETE

1. ALL CONCRETE SHALL HAVE THE FOLLOWING MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS:
- | | |
|-------------------------|----------|
| SLAB ON GRADE, FOOTINGS | 2500 PSI |
| REMAINING CONCRETE | 3000 PSI |
2. ALL CONCRETE SHALL HAVE A SLUMP OF 4" PLUS OR MINUS 1", AND HAVE 2 TO 4% AIR ENTRAINMENT, AND A MAXIMUM WATER/CEMENT RATIO OF 0.58.
3. CONCRETE MIX DESIGN SHALL BE IN ACCORDANCE WITH THE APPLICABLE EDITION OF ACI 301 CHAPTER 3, METHOD 1 OR METHOD 2. SUBMIT BACKUP DATA AS REQUIRED BY CHAPTER 5 SECTION 5.3. OF THE LATEST EDITION OF ACI 318.
4. ALL REINFORCING STEEL SHALL BE NEW DEFORMED BILLET STEEL CONFORMING TO ASTM A-615 GRADE 60.
5. FIBER MESH OR WELDED WIRE FABRIC SHALL CONFORM TO ASTM A-185. WWF SHALL BE LAPPED AT LEAST 8" AND CONTAIN AT LEAST ONE CROSS WIRE WITHIN THE 8".
6. ALL CONCRETE WORK SHALL BE IN ACCORDANCE WITH "THE BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" ACI 318 LATEST EDITION, AND "SPECIFICATIONS FOR STRUCTURAL CONCRETE FOR BUILDINGS," ACI 301.
7. ALL REINFORCING DETAILS SHALL CONFORM TO "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES" ACI 315 LATEST EDITION, UNLESS DETAILED OTHERWISE ON THE STRUCTURAL DRAWINGS.
8. SUBCONTRACTOR SHALL REVIEW ARCHITECTURAL AND MECHANICAL DRAWINGS FOR SIZE AND LOCATION OF EMBEDDED ITEMS, SLEEVES, SLAB DEPRESSIONS, SLOPES, ETC. REQUIRED BY OTHER TRADES. THESE ITEMS SHALL BE FURNISHED AND INSTALLED PRIOR TO PLACEMENT OF CONCRETE.
9. SUBCONTRACTOR SHALL VERIFY LOCATIONS OF ALL OPENINGS, SLEEVES, ANCHOR BOLTS, INSERTS, ETC., AS REQUIRED BY OTHER TRADES BEFORE CONCRETE IS PLACED.
10. WHERE BAR LENGTHS ARE GIVEN ON THE DRAWINGS, THE LENGTH OF ANY HOOK, IF REQUIRED, IS NOT INCLUDED. HOOKS SHALL BE PROVIDED AT DISCONTINUOUS ENDS OF ALL TOP BARS OF BEAMS AND AT SLABS EDGES.
11. SUBCONTRACTOR SHALL PROVIDE SPACERS, CHAIRS, BOLSTERS, ETC. NECESSARY TO SUPPORT REINFORCING STEEL. SUPPORT ITEMS WHICH BEAR ON EXPOSED CONCRETE SURFACES SHALL HAVE ENDS WHICH ARE PLASTIC TIPPED OR STAINLESS STEEL.
12. THE FOLLOWING MINIMUM CONCRETE COVER SHALL BE PROVIDED FOR REINFORCEMENT:
- | | |
|--------|---|
| 3" | CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH. |
| 2" | CONCRETE EXPOSED TO EARTH OR WEATHER, #6 THROUGH #18 BARS. |
| 1 1/2" | CONCRETE EXPOSED TO EARTH OR WEATHER, #5 BAR AND SMALLER. |
| 1 1/2" | CONCRETE NOT EXPOSED TO WEATHER OR IN CONTACT WITH EARTH FOR THE PRIMARY REINFORCEMENT, TIES, STIRRUPS, AND SPIRALS IN BEAMS AND COLUMNS. |
| 3/4" | CONCRETE NOT EXPOSED TO WEATHER NOR IN CONTACT WITH EARTH FOR SLABS, WALLS, AND JOISTS, #11 BAR AND SMALLER. |
13. HORIZONTAL WALL AND FOOTING BARS SHALL BE BENT 1'-0" AROUND CORNERS OR CORNER BARS WITH 2'-1" LAP SHALL BE PROVIDED.
14. MINIMUM LAP SPLICES ON ALL REINFORCING BAR SPLICES SHALL BE 48 BAR DIAMETERS TYP. EXCEPT WHERE OTHERWISE NOTED ON THE DRAWINGS. FOR BEAMS AND ELEVATED SLABS, LAP BOTTOM STEEL AT THE SUPPORT AND TOP STEEL OVER THE MIDSPAN, UNLESS OTHERWISE NOTED.

WOOD CONSTRUCTION

1. WOOD CONSTRUCTION SHALL CONFORM TO THE NFPA "NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION", APPLICABLE EDITION.
2. ALL WALL STUDS AND MISC. WOOD FRAMING SHALL BE NO.2 SOUTHERN YELLOW PINE. STUDS FOR LOAD BEARING WALLS SHALL BE AS FOLLOWS:
- | |
|--|
| 2x4'S, 2X6'S, OR 2X8'S @ 12"O.C. (U.N.O) |
|--|
3. PLACE A SINGLE PLATE AT THE BOTTOM AND A DOUBLE PLATE AT THE TOP OF ALL INTERIOR LOAD BEARING STUD WALLS. 2x SOLE PLATES AT THE EDGES OF SLABS SHALL BE ATTACHED TO THE SLAB WITH 6"EMBEDMENT, WITH 1 1/2" DIA WASHER, AT 32" ON CENTER, ALL OTHER SUBSTITUTIONS MUST BE APPROVED BY STRUCTURAL ENGINEERING PRIOR TO INSTALLATION
4. ALL WOOD IN CONTACT WITH CONCRETE OR EXPOSED TO WEATHER SHALL BE PRESSURE TREATED BORATE SBX. PROVIDE USE GALVANIZED NAILS AND FASTENERS IN PRESSURE TREATED LUMBER.
5. STUDS SHALL BE TRIPLED AT ALL ANGLES, CORNERS AND AROUND ALL OPENINGS.
6. WALL SHEATHING SHALL BE:
- SHEATH THE EXTERIOR FACE OF WALLS WITH 7/16" C-D PLYWOOD (OR 7/16" O.S.B.), NAILED WITH 8d NAILS AT 6" O.C. AT ALL EDGE SUPPORTS, AND 8d NAILS AT 12" O.C. AT ALL INTERMEDIATE SUPPORTS. PROVIDE SOLID 2x BLOCKING AT ALL SHEET EDGES.
7. FLOOR SHEATHING IS 3/4" TONGUE AND GROOVE C-C PLYWOOD, OR 3/4" O.S.B.(48/24 RATING), GLUED AND NAILED WITH 10d RING SHANK NAILS AT 6" O.C. AT SUPPORTED EDGES, AND 10d RING SHANK NAILS AT 12" O.C. AT INTERMEDIATE SUPPORTS

8. ROOF SHEATHING SHALL BE 19/32" or 15/32" CD PLYWOOD or 7/16" O.S.B., NAILED TO TRUSSES BELOW. SEE ROOF SHEATHING NAILING SCHEDULE FOR NAIL PATTERN. PROVIDE ONE PLYWOOD CLIP PER SPAN BETWEEN SHEET EDGES FOR 24" SPAN. PROVIDE SOLID 2x BLOCKING BETWEEN SUPPORTS AT ALL HIPS, RIDGES, VALLEYS, AND CHANGES IN ROOF SLOPE.
9. ALL LUMBER SHALL BE STAMPED WITH THE GRADE MARK OF AN APPROVED GRADING AGENCY.
10. NAILING SCHEDULE:
- | CONNECTION | COMMON NAIL | NUMBER OR SPACING |
|-------------------------------------|-------------|-------------------|
| SOLE PLATE TO TRUSS OR BLOCKING | 16d | 8" O.C. |
| STUD TO SOLE PLATE, TOE NAIL | 8d | 4 |
| DOUBLE STUDS, FACE NAIL | 16d | 12" O.C. |
| DOUBLE TOP PLATES, FACE NAIL | 16d | 12" O.C. |
| TOP PLATES LAPS AND INTERSECTIONS | 16d | 3 |
| TRUSSES, LAPS OVER WALLS, FACE NAIL | 16d | 4 |
| BUILT-UP CORNER STUDS | 16d | 12" O.C. |
| STUDS TO SOLE PLATE, END NAIL | 16d | 2 |

PREFABRICATED WOOD TRUSSES

1. ALL PREFABRICATED WOOD TRUSSES SHALL BE SECURELY FASTENED AT EACH END TO THEIR SUPPORTING WALLS PER CONNECTOR SCHEDULE.
2. PREFABRICATED WOOD TRUSSES SHALL BE DESIGNED IN ACCORDANCE WITH THE APPLICABLE EDITION OF THE "NATIONAL DESIGN SPECIFICATION FOR STRESS-GRADE LUMBER AND ITS FASTENERS" AS RECOMMENDED BY THE NATIONAL FOREST PRODUCTS ASSOCIATION.
3. TRUSS MEMBERS AND CONNECTIONS SHALL BE DESIGNED (WITH A MAXIMUM ALLOWABLE STRESS INCREASE FOR LOAD DURATION OF 25% FOR ROOF TRUSSES ONLY) TO WITHSTAND THE LIVE LOADS GIVEN IN THE NOTES AND TOTAL DEAD LOAD.
4. TRUSS MANUFACTURER SHALL SUBMIT SHOP DRAWINGS AND DESIGN NOTES WITH A FLORIDA REGISTERED ENGINEER'S SEAL FOR APPROVAL BY THE ARCHITECT AND ENGINEER. DESIGN NOTES TO INCLUDE THE RATED LOAD CAPACITY OF THE CONNECTORS USED TO SECURE THE MEMBERS, CERTIFICATION OF THE CONNECTOR CAPACITIES AND MANUFACTURER'S LICENSE TO FABRICATE TRUSSES UTILIZING THE CONNECTOR SYSTEM PROPOSED.
5. THE CONTRACTOR SHALL APPROVE FABRICATION AND INSTALLATION DRAWINGS SHOWING SIZE, SHAPE, AND LAYOUT PRIOR TO SUBMITTAL FOR REVIEW BY THE ARCHITECT AND ENGINEER BEFORE FABRICATION HAS BEGUN.
6. BRIDGING FOR PRE-ENGINEERED TRUSSES SHALL BE AS REQUIRED BY TRUSS MANUFACTURER, AND THE LOCAL BUILDING CODE, UNLESS NOTED ON PLANS.

MASONRY WALL CONSTRUCTION

1. HOLLOW LOAD BEARING UNITS SHALL BE NORMAL WEIGHT, GRADE N, TYPE 2, CONFORMING TO ASTM C90, WITH A MINIMUM NET COMPRESSIVE STRENGTH OF 2000 PSI (f'm = 1500 PSI).
2. MORTAR SHALL BE TYPE M OR S, CONFORMING TO ASTM C270.
3. COURSE GROUT SHALL CONFORM TO ASTM C476 WITH A MAXIMUM AGGREGATE SIZE OF 3/8" AND A MINIMUM COMPRESSIVE STRENGTH OF 2,500 PSI.
4. VERTICAL REINFORCEMENT SHALL BE AS NOTED ON THE DRAWINGS WITH CELLS FILLED WITH COARSE GROUT.
5. VERTICAL REINFORCEMENT SHALL BE HELD IN POSITION AT THE TOP AND BOTTOM AND AT A MAXIMUM SPACING OF 8'-0". REINFORCEMENT SHALL BE PLACED IN THE CENTER OF THE MASONRY CELL TYPICAL UNLESS OTHERWISE NOTED. SEE TYPICAL GROUTING DETAILS FOR ADDITIONAL INFORMATION.
6. REINFORCING STEEL SHALL BE LAPPED MINIMUM 30 BAR DIAMETERS WHERE SPLICED AT FOUNDATIONS OR FLOORS, OTHERWISE MINIMUM LAP IS 48 DIAMETERS, UNLESS NOTED OTHERWISE ON THE DRAWINGS.
7. SPLICED WIRE REINFORCEMENT SHALL BE LAPPED AT LEAST 6" AND CONTAIN AT LEAST ONE CROSS WIRE OF EACH PIECE OF REINFORCEMENT WITHIN THE 6". LAP WITH STANDARD 'T' AND 'L' SHAPED PIECES AT INTERSECTIONS AND CORNERS.
8. WHEN A FOUNDATION DOWEL DOES NOT LINE UP WITH A VERTICAL CORE, IT SHALL NOT BE SLOPED MORE THAN ONE HORIZONTAL IN SIX VERTICALS. DOWELS SHALL BE GROUTED INTO A CORE IN VERTICAL ALIGNMENT, EVEN THOUGH IT IS IN AN ADJACENT CELL TO THE VERTICAL WALL REINFORCEMENT.
9. PROVIDE PRECAST CONCRETE LINTELS OVER ALL OPENINGS UNLESS NOTED OTHERWISE ON DRAWINGS. LINTELS SHALL BE OF SUFFICIENT SIZE AND REINFORCEMENT FOR THE GIVEN SPANS AND LOADING CONDITIONS. SUBMIT SHOP DRAWINGS WITH RATED LOAD CAPACITIES TO THE ARCHITECT FOR REVIEW.
10. PROVIDE A KNOCK OUT BLOCK OR U-BLOCK REINFORCED WITH 1 #5 CONTINUOUS AT THE SILL OF ALL WINDOW OPENINGS. EXTEND 16" BEYOND EACH SIDE OF THE OPENING TYPICALLY.

SHOP DRAWING REVIEW

1. SHOP DRAWINGS WILL BE REVIEWED FOR GENERAL COMPLIANCE WITH THE DESIGN INTENT OF THE CONTRACT DOCUMENTS ONLY. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY COMPLIANCE WITH THE CONTRACT DOCUMENTS AS TO QUANTITY, LENGTH, ELEVATIONS, DIMENSIONS, ETC.
2. ALL SHOP DRAWINGS SHALL BE REVIEWED BY THE CONTRACTOR PRIOR TO SUBMITTAL TO THE ARCHITECT/ENGINEER. DRAWINGS SUBMITTED WITHOUT REVIEW WILL BE RETURNED UNCHECKED.
3. SHOP DRAWINGS IN THE FORM OF REPRODUCIBLE SEPIAS OF STRUCTURAL DRAWINGS (CONTRACT DOCUMENTS) ARE PROHIBITED WITHOUT THE EXPRESS WRITTEN PERMISSION FROM THE ENGINEER.
4. IN ALL INSTANCES, THE CONTRACT DOCUMENTS WILL GOVERN OVER THE SHOP DRAWINGS CHECKED, UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ENGINEER.

FASTENER SUBSTITUTIONS:

ALL NAILS ARE COMMON NAILS, UNLESS NOTED OTHERWISE. THE FOLLOWING FASTENERS ARE ACCEPTABLE SUBSTITUTIONS. THE ALTERNATE FASTENERS SHALL BE SPACED AT THE SAME SPACING AS THE SCHEDULED FASTENERS.

SCHEDULED FASTENER

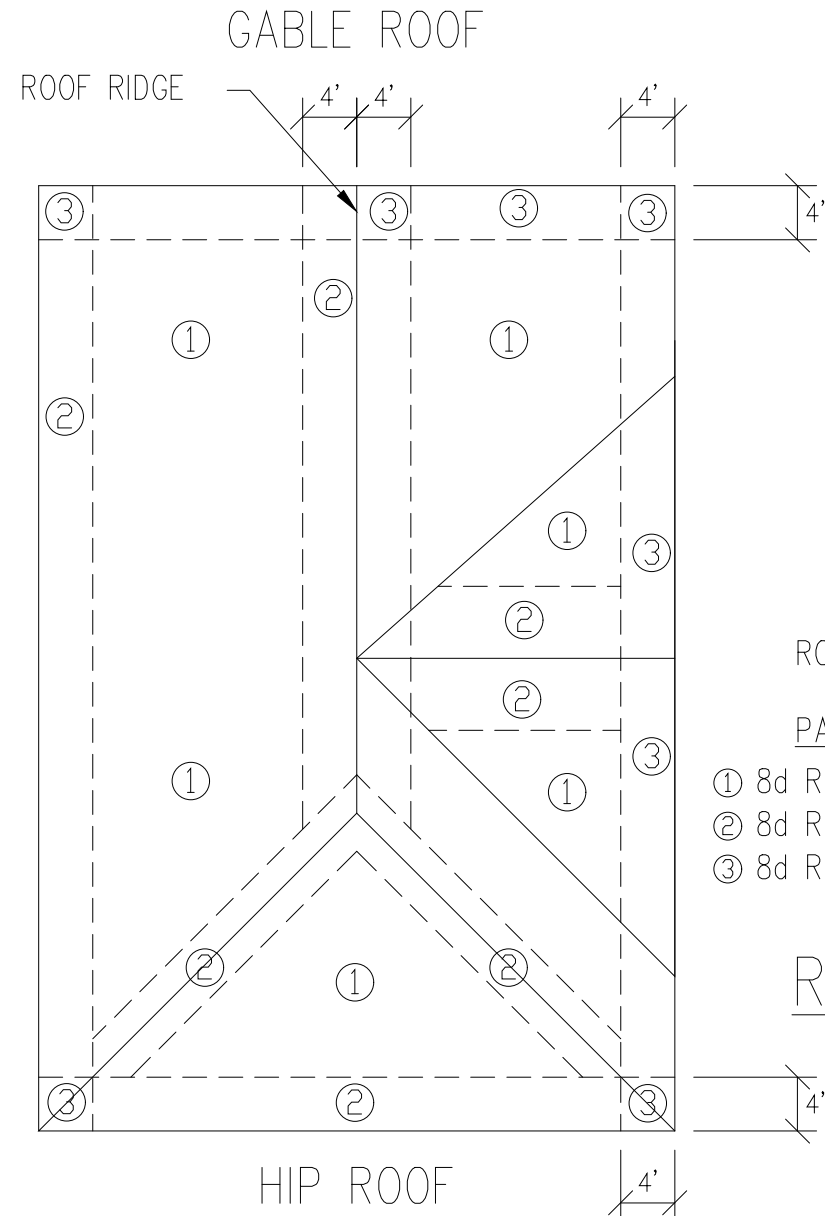
8d COMMON NAIL

10d COMMON NAIL

ALTERNATE FASTENER

8d RING SHANK NAIL
8d SCREW SHANK NAIL
0.131 P-NAIL

10d RING SHANK NAIL
10d SCREW SHANK NAIL
0.148 P-NAIL



ROOF SHEATHING FASTENING SCHEDULE:

PANEL EDGES

- ① 8d RING SHANK NAILS 6" O.C.
② 8d RING SHANK NAILS 6" O.C.
③ 8d RING SHANK NAILS 4" O.C.

PANEL FIELD

- ① 8d RING SHANK NAILS 6" O.C.
② 8d RING SHANK NAILS 6" O.C.
③ 8d RING SHANK NAILS 4" O.C.

ROOF FASTENING ZONES

WOOD HEADER/BEAM SCHEDULE			
TYPE	HEADER/BEAM	TYPE	HEADER/BEAM
H-1	(2) 2x6 FOR 4" WALL (3) 2x6 FOR 6" WALL (4) 2x6 FOR 8" WALL	H-4	(3) 2X12 FOR 6" WALL
H-2	(2) 2x8 FOR 4" WALL (3) 2x8 FOR 6" WALL (4) 2x8 FOR 8" WALL	LVL-1	(3) 1 3/4"x11 1/4" LVL
H-3	(2) 2x12 FOR 4" WALL (3) 2x10 FOR 6" WALL (4) 2x10 FOR 8" WALL	LVL-2	(3) 1 3/4"x24" LVL

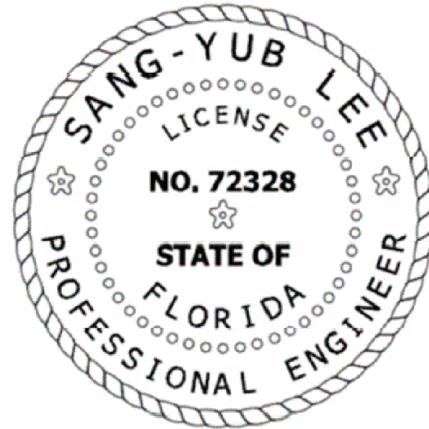
1. PROVIDE WOOD HEADERS OVER ALL OPENINGS. IF NO HEADER IS SPECIFIED, PROVIDE H-3 AT WALLS SUPPORTING TRUSSES, AND H-1 AT OTHER WALLS.
2. AT DOUBLE OR TRIPLE 2x HEADER/BEAMS PROVIDE A 1/2" PLYWOOD (OR O.S.B.) SPACER BETWEEN MEMBERS.
3. NAIL ALL MULTI-MEMBER HEADERS AND BEAMS TOGETHER WITH 16d NAILS AT 12" O.C. TOP AND BOTTOM, EACH SIDE, STAGGERED.

Sang-Yub Lee

Digitally signed
by Sang-Yub Lee
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13:59:14 -04'00'

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SEAL



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305 ADDISON POND DRIVE
HOLLY SPRINGS, NC 27540



CONSULTANTS

PROJECT INFO

CUSTOM

3291 SW CUSTOM
MADE

SHEET TITLE

GENERAL NOTES

REVISIONS

MARK	DATE	DESCRIPTION

PARCEL ID:

ADDRESS:

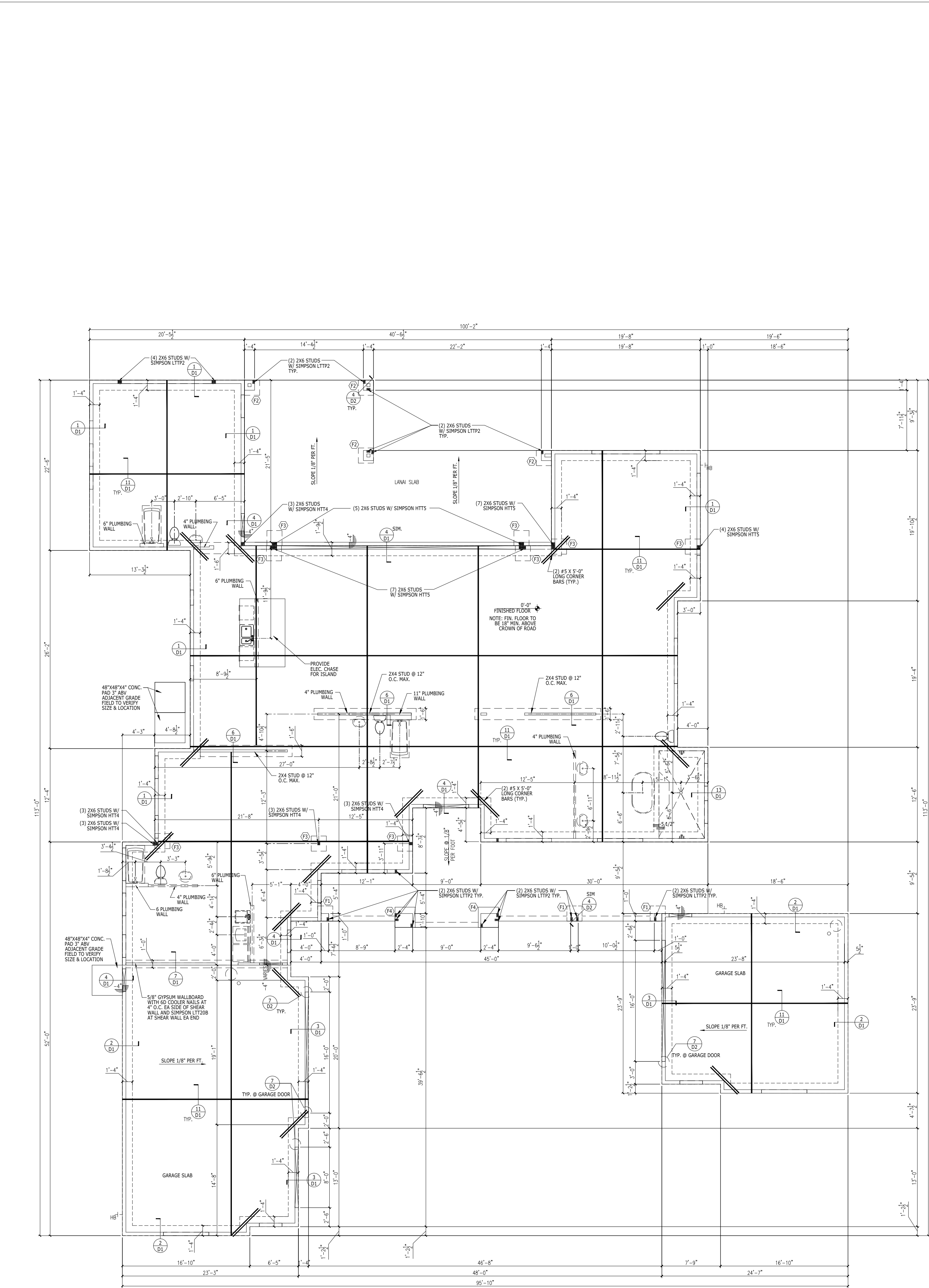
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DATE:

SHEET NO.



FOUNDATION PLAN
SCALE: 3/16" = 1'-0"

PLAN NOTES:

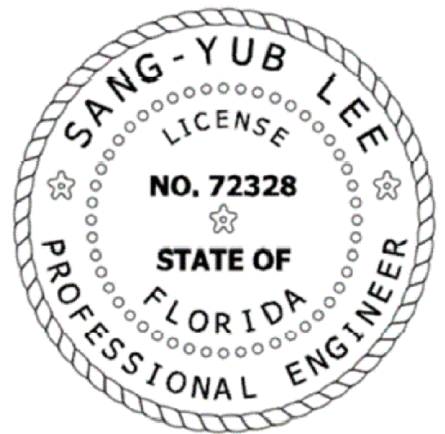
- SEE GENERAL NOTES ON SHEET S0.
- DO NOT SCALE DRAWINGS. SEE FLOOR PLAN FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH FLOOR/ELECTRICAL PLANS PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- MIN. 3 1/2" (TOTAL) CONCRETE SLAB REINFORCED WITH FIBER MESH. OVER 8 MIL VAPOR BARRIER ON COMPACTED SUBGRADE. COORDINATE ANY AND ALL SLAB SLOPES, DEPRESSIONS AND LIMITS THERE OF WITH FLOOR PLAN (FOR ACTUAL TOP OF SLAB ELEVATIONS, SEE CIVIL DRAWINGS) TOP OF FINISHED SLAB SHALL BE + 0'-0" AND FOOTING CENTERLINES, SHALL COINCIDE U.N.O.
- PROVIDE A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. TREATMENT SHOULD BE IN ACCORDANCE WITH THE RULES AND LAWS AS ESTABLISHED BY THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES.
- INDICATES #5 BAR, VERTICAL REINFORCING BAR IN CELLS FILLED WITH GROUT. ENDS OF REINF. BARS SHALL BE HOOKED INTO FOUNDATION, BOND BEAM OR TIE BEAMS WITH AN ACI STANDARD 90 HOOK. BARS SHALL BE PLACED AS SHOWN IN THE PLANS.
- PROVIDE CORNER BARS AT FOOTINGS: SEE SECTION FOR FURTHER INFORMATION.
- SEE FLOOR PLAN FOR LOCATIONS/LIMITS AND CONSTRUCTION INFORMATION OF INTERIOR NON-BEARING PARTITION WALLS NOT SHOWN ON PLAN. SEE GENERAL NOTES FOR ADDITIONAL WALL FRAMING INFORMATION
- CONTRACTOR SHALL VERIFY FILLED CELL AT EACH LOCATION SIDE OF OPENING WITH ACTUAL OPENING OF DOOR AND WINDOW.
- COORDINATE SLAB RECESSES, SLOPES AND ELEVATIONS W/ FLOOR PLAN
- SEE CIVIL DRAWINGS FOR WALKWAY SLAB LAYOUT.
- PROVIDE ISOLATION JOINTS BETWEEN INTERIOR AND EXTERIOR SLABS ON GRADE: PROVIDE 1/2" FELT PAPER AT THE JOINT.
- VERTICAL REINFORCING IN CMU SHALL BE #5'S AS SHOWN ON THIS PLAN. UNLESS OTHERWISE NOTED IN THE PLAN, ONE REINFORCING BAR SHALL BE:
A) IN ALL WALL INTERSECTIONS
B) CHANGES IN ELEVATION
C) EACH SIDE OF ALL OPENINGS.
D) ALL CORNERS
- SPLICES IN REINFORCING BARS SHALL NOT BE LESS THAN 48 BAR DIAMETERS (#5 = 30", #6 = 36"), AND REINFORCING SHALL BE CONTINUOUS.
- STRUCTURAL DESIGN IS IN ACCORDANCE WITH A.C.I. 530-05/ASCE 6-05, BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES AND THE COMMENTARY. CONSTRUCTION SHALL BE IN ACCORDANCE WITH A.C.I. 530-05/ASCE 6-05.

FOOTING SCHEDULE		
LENGTH x WIDTH x DEPTH		
F1	1'-8" x 1'-8" x 1'-4" W/(2) #5 BARS E.W.	
F2	2'-0" x 2'-0" x 1'-4" W/(3) #5 BARS E.W.	
F3	2'-0" x 2'-0" x 1'-8" W/(3) #5 BARS E.W.	
F4	3'-0" x 3'-0" x 1'-4" W/(3) #5 BARS E.W.	

Sang
-Yub
Lee

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by Sang-Yub Lee
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HOLLY SPRINGS, NC 27540



ARCHITECTURE DESIGN AND CONSULTING LLC

CONSULTANTS

PROJECT INFO

CUSTOM

3291 SW CUSTOM
MADE

B

SHEET TITLE

FOUNDATION PLAN

REVISIONS

MARK	DATE	DESCRIPTION

PARCEL ID:

ADDRESS:

LOT #:

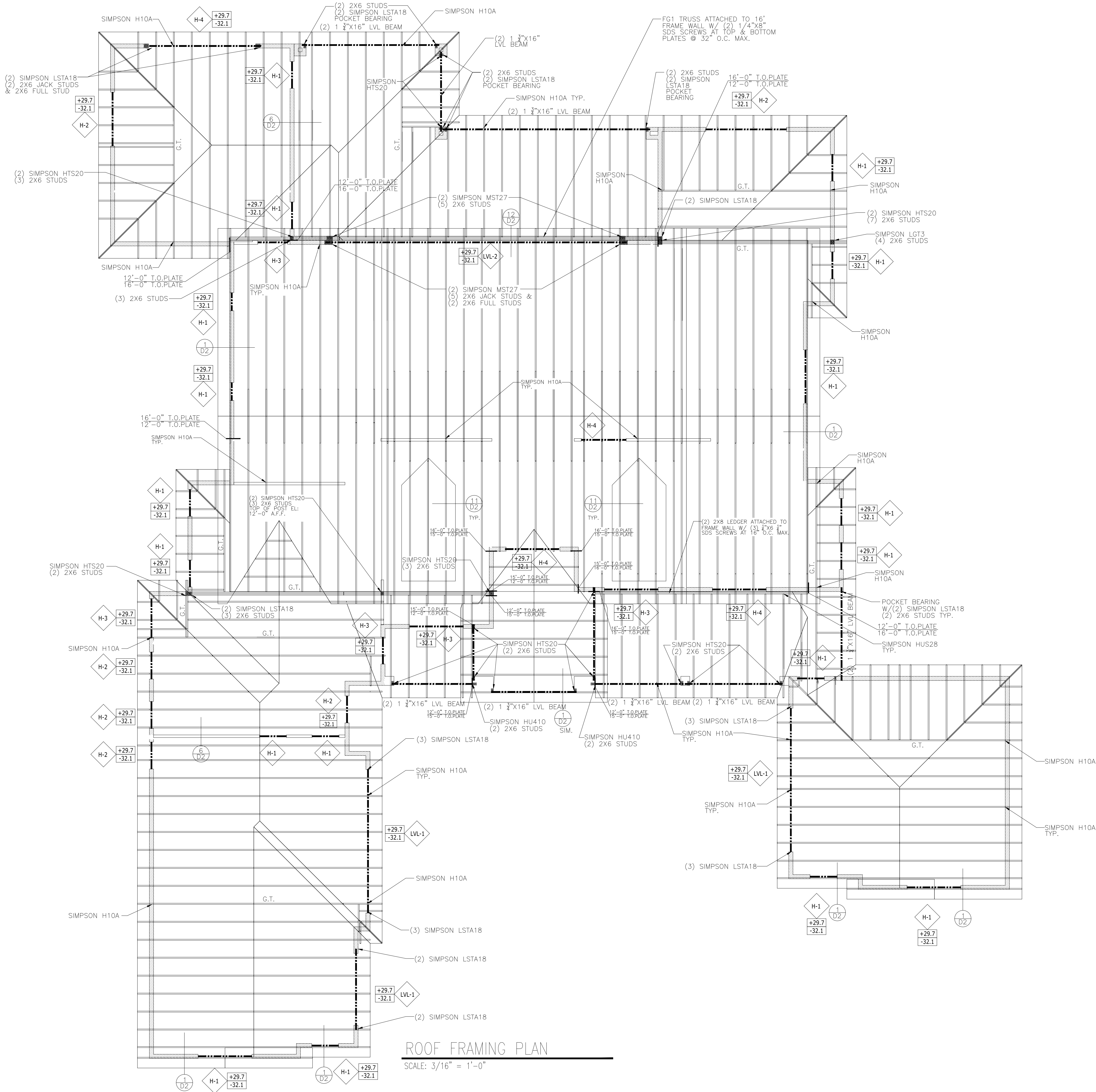
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CHK'D BY: WAM

DATE:

SHEET NO.

S1



ROOF FRAMING PLAN

SCALE: 3/16" = 1'-0"

PLAN NOTES:

- SEE GENERAL NOTES ON SHEET S0.
- DO NOT SCALE DRAWINGS. SEE FLOOR PLAN FOR ADDITIONAL DIMENSIONS NOT SHOWN, VERIFY ALL DIMENSIONS WITH FLOOR PLAN PRIOR TO START OF CONSTRUCTION. IF DISCREPANCIES SHOULD OCCUR - CONTACT THE ARCHITECT/ENGINEER IN WRITING FOR CLARIFICATION BEFORE PROCEEDING.
- SEE GENERAL NOTES (SHEET S0) FOR ADDITIONAL WALL FRAMING INFORMATION
- PROVIDE WOOD HEADER OVER ALL OPENINGS IN WOOD WALLS
IF NO HEADER TYPE HAS BEEN CALL-OUT ON PLAN, PROVIDE WOOD HEADER BASED ON HEADER SCHEDULE SHOWN ON GN SHEET
- PRE-ENGINEERED WOOD TRUSSES AT 24" O.C. (MAX) U.N.O..
- COORDINATE LOCATION OF ROOF TRUSSES W/ MECH. DWGS FOR LOCATION OF EXHAUST FAN, AIR HANDLING, AND DUCTS.
- G.T. INDICATES ROOF GIRDER TRUSS.
O.B. INDICATES OVER BUILT ROOF TRUSS.
- ALL NAILS FOR TRUSS TO BEAM AND TRUSS TO TRUSS METAL CONNECTORS ARE TO BE GALVANIZED.
- PROVIDE DOUBLE WOOD STUDS UNDER WOOD HEADER, WOOD BEAM, G.T. CONTINUOUS TO THE FTG. U.N.O.
STUDS SHALL BE NAILED TOGETHER w/12d HDG COMMON NAILS 12" O.C. STAGGERED
- SEE GENERAL NOTES (SHEET S0) FOR WALL SHEATHING AND ROOF SHEATHING
- THE ELEVATION OF DOUBLE TOP PLATES AND OPENING SHALL BE VERIFIED IN FIELD BEFORE INSTALLATION
- THE TRUSS FRAMING SHOWN IS SCHEMATIC IN NATURE, HOWEVER THE SUPPORTING STRUCTURE HAS BEEN DESIGNED UNDER THE ASSUMPTION THE FRAMING SCHEME SHOWN WILL CLOSELY PARALLEL FINAL TRUSS DESIGNERS LAYOUT. SUBMIT FINAL TRUSS DRAWINGS FOR THIS ENGINEER'S REVIEW AND APPROVAL.
- NAIL SPECIFICATIONS: 8d COMMON NAILS - 0.131" dia. x 2 1/2" LONG
8d RING SHANK NAILS - 0.113" dia. x 2 3/8", 10d COMMON NAILS - 0.148" dia. x 3" LONG,
AND 10d STRAP NAILS - 0.148" dia. x 1 1/2" GALVANIZED
- TRUSS REACTIONS AND UPLIFTS SHOWN ARE THE SAME ON EACH END UNLESS OTHERWISE SHOWN DIFFERENT.
- THE REQUIRED NUMBER OF FASTENERS FOR CONNECTORS SUCH AS NAILS TO WOOD MEMBERS AND TAPCONS TO CMU WALLS, SEE SIMPSON CATALOG U.N.O.

TRUSSES CONNECTOR (U.N.O.)

*ROOF TRUSS CONNECT TO CMU WALL OR CONC.: SIMPSON META16(20) OR HETA16(20) W/ 10d x1 1/2" HDG NAILS OR 16d NAILS. FILL ALL HOLES
*GIRDER ROOF TRUSS(1-PLY) CONNECT TO CMU WALL OR CONC.: SIMPSON DETAIL 20 W/ (18) 10d x1 1/2" HDG NAILS GIRDER ROOF TRUSS (MORE THAN 2-PLY's) CONNECT TO CMU WALL OR CONC.: (2) SIMPSON HETA(L)16 OR 20 W/ 10d x1 1/2" HDG NAILS, FILL ALL HOLES

*ROOF TRUSS CONNECT TO WOOD FRAMING WALL OR WOOD HEADER (UPLIFT LOAD LESS THAN 1140 LB): (1) SIMPSON H10A w/10d x 1 1/2" HDG NAILS, FILL ALL HOLES
*ROOF TRUSS CONNECT TO WOOD FRAMING WALL OR WOOD HEADER (UPLIFT LOAD MORE THAN 1140 LB): (2) SIMPSON H10A, FILL ALL HOLES

MINIMUM EDGE DISTANCE FOR HETA/META IS 1 1/2" FOR CONCRETE AND 2" FOR MASONRY. THE META/HETA AND HHETA ARE EMBEDDED 4" INTO A CONCRETE BEAM OR GROUTED BLOCK WALL: HETA(L) IS EMBEDDED 5 1/8", DETAL IS EMBEDDED 4 1/2"

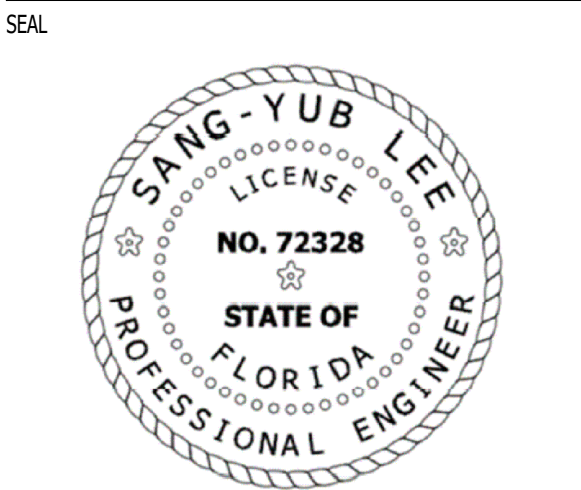
TRUSS ENGINEER/MANUFACURER
SHALL COORDINATE ANY TRAY/COFFERED
CEILINGS WITH THE FLOOR PLANS

HURRICANE STRAPS

- HURRICANE STRAPS TO BE MANUFACTURED BY SIMPSON STRONG-TIE OR EQUAL UNO
- SEE SIMPSON CATALOG FOR FASTENERS AND ANCHORS UNO

Sang
-Yub
Lee

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by Sang-Yub Lee
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HOLLY SPRINGS, NC 27540



CONSULTANTS

PROJECT INFO

CUSTOM

3291 SW CUSTOM
MADE

SHEET TITLE

ROOF FRAMING PLAN

REVISIONS

MARK	DATE	DESCRIPTION

PARCEL ID:

ADDRESS:

LOT #:

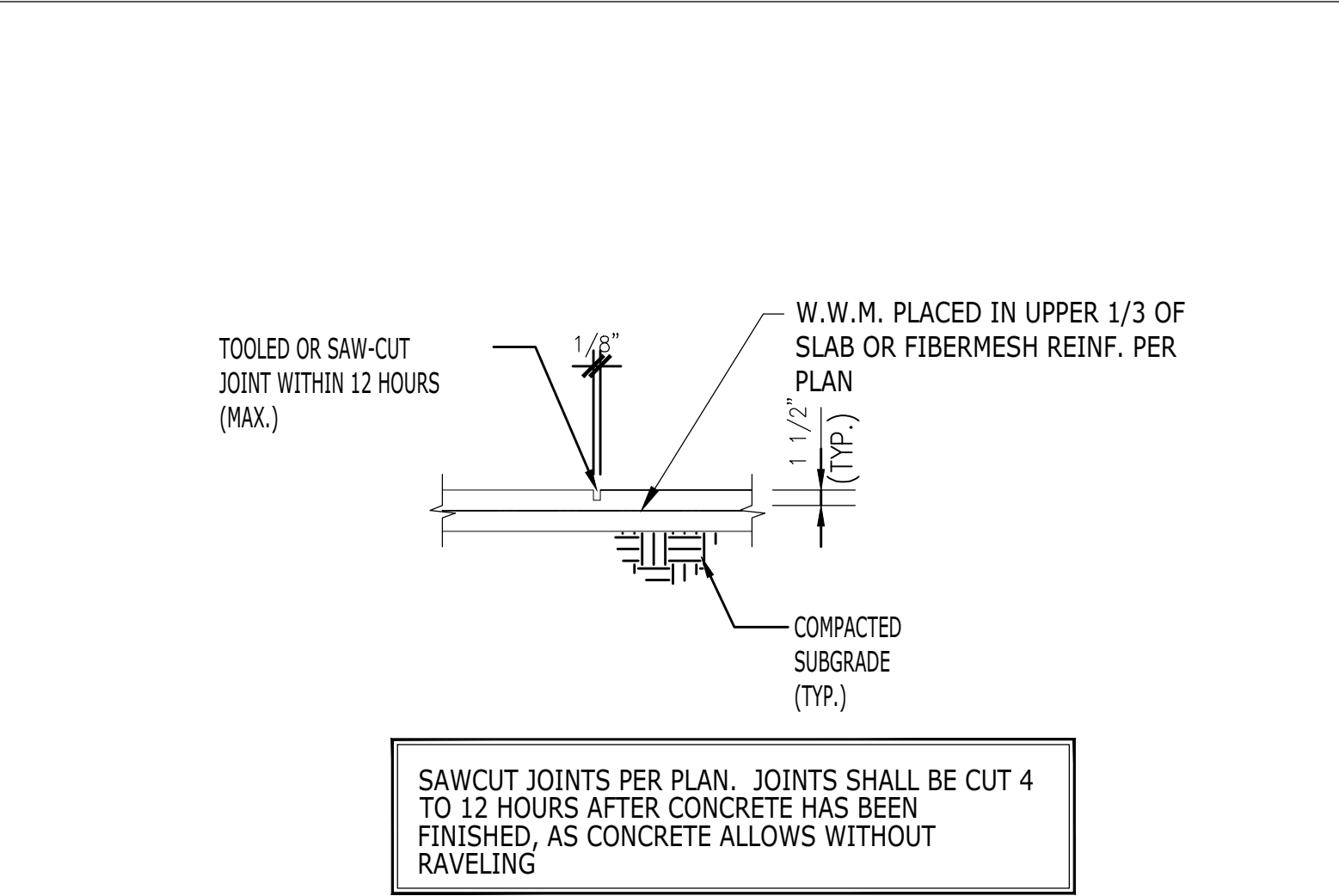
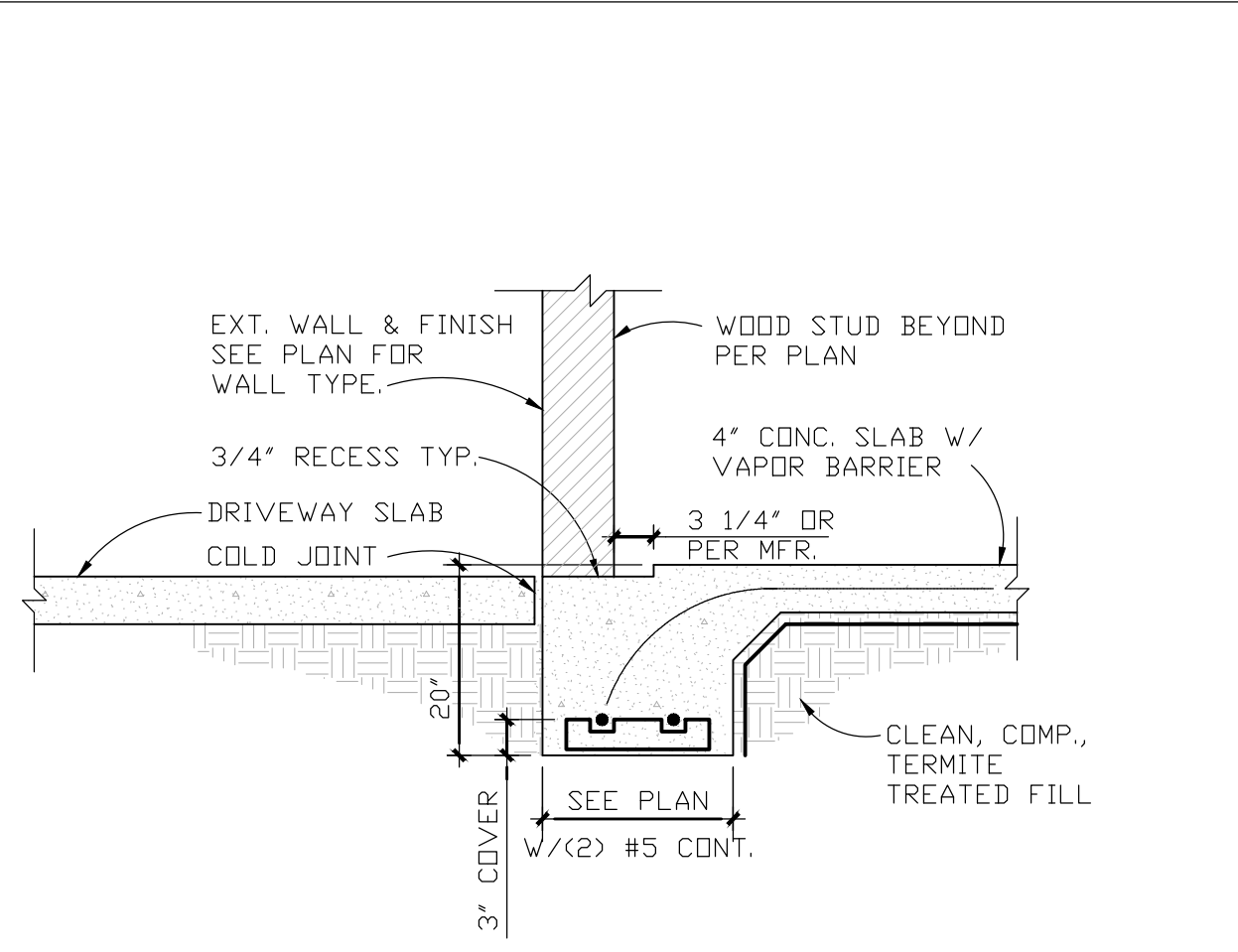
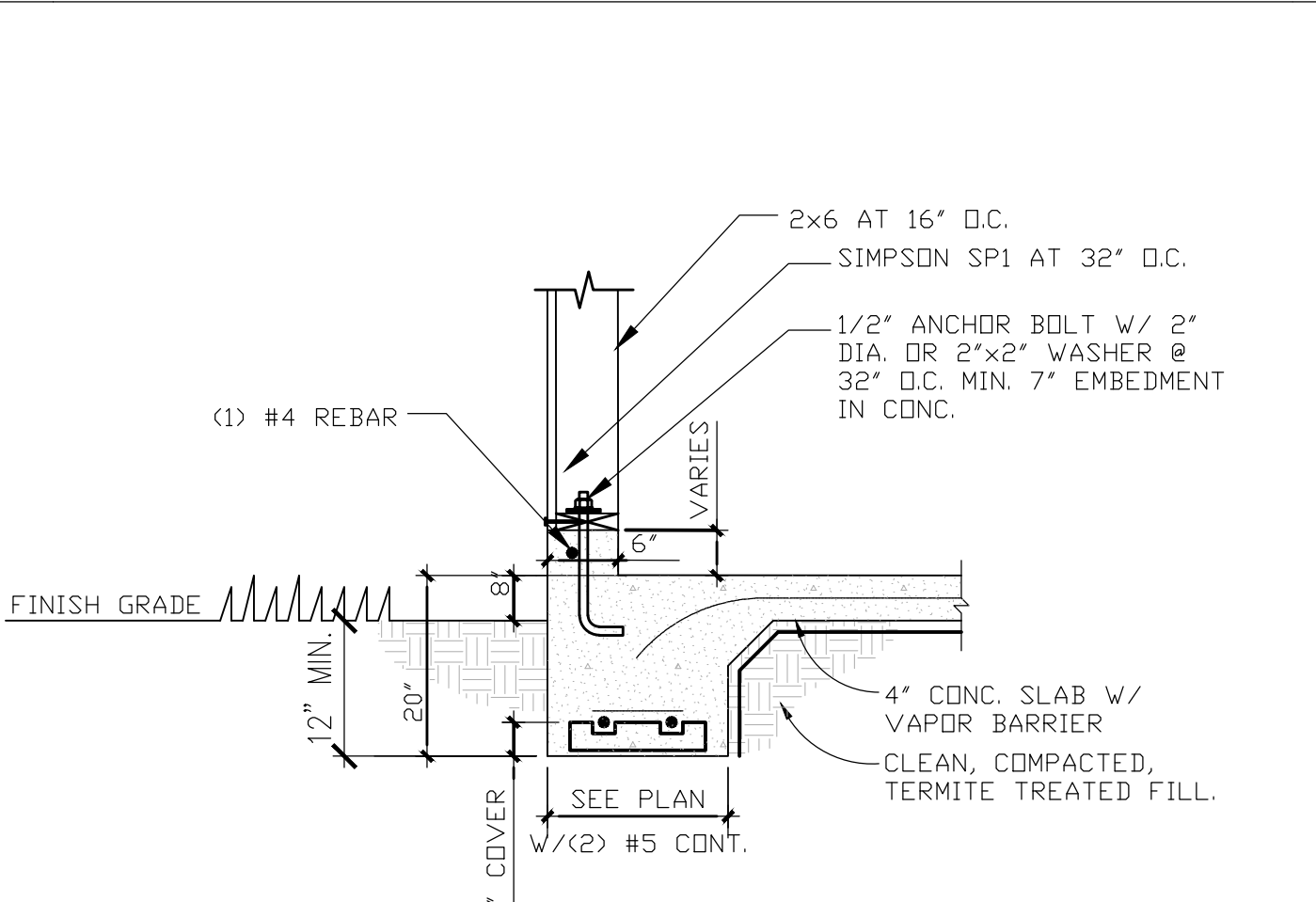
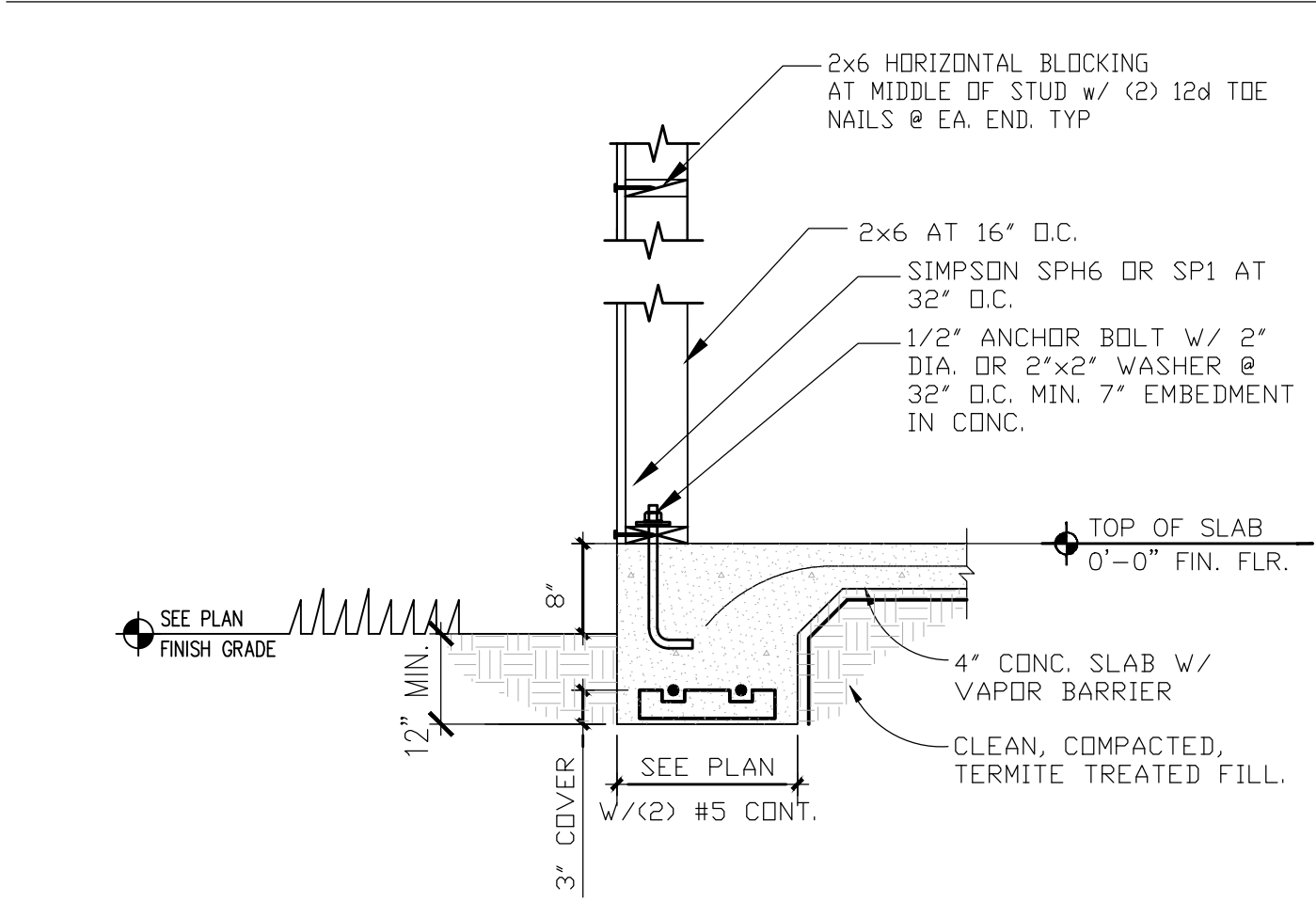
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CHK'D BY: WAM

DATE:

SHEET NO.

S2

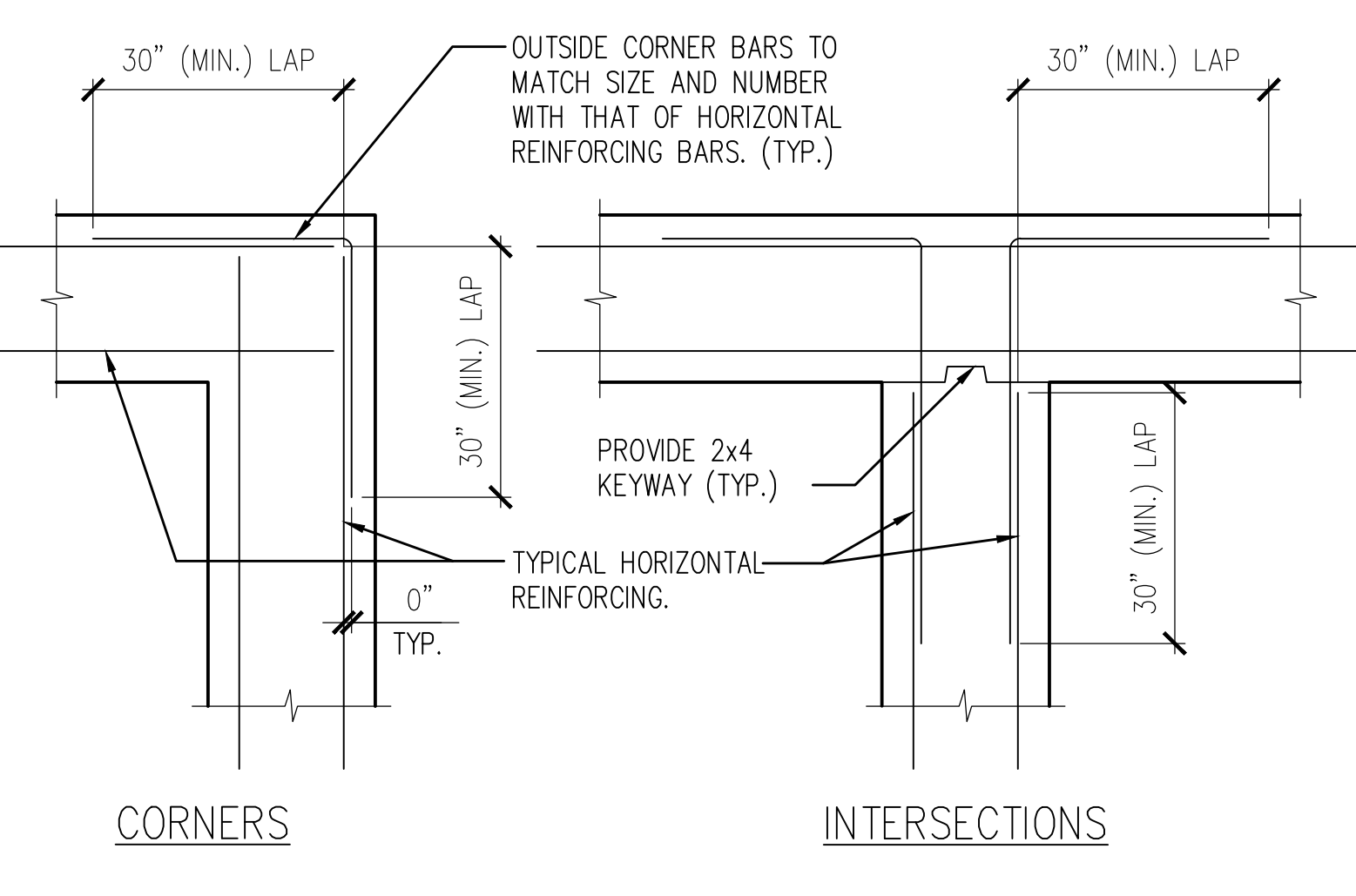
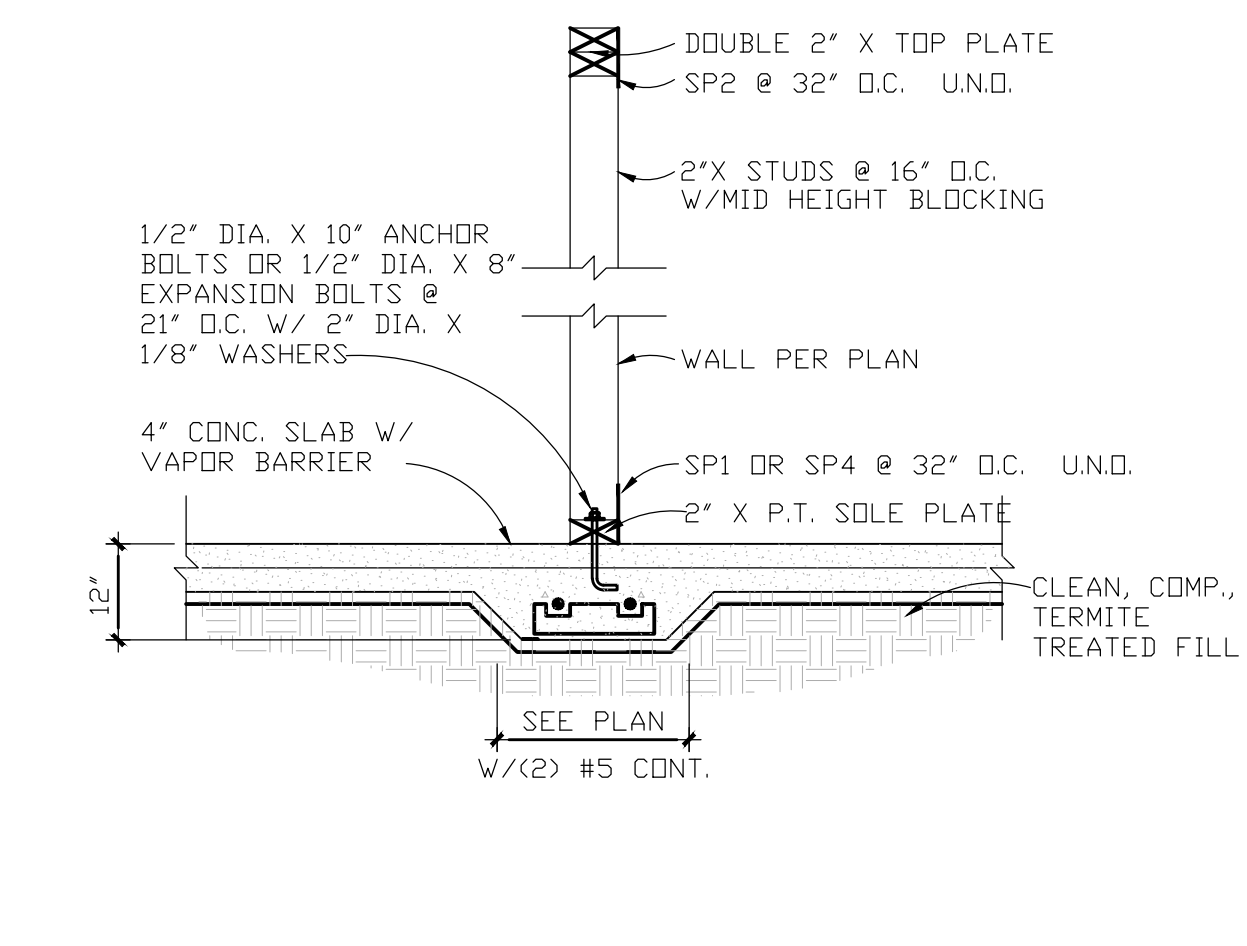
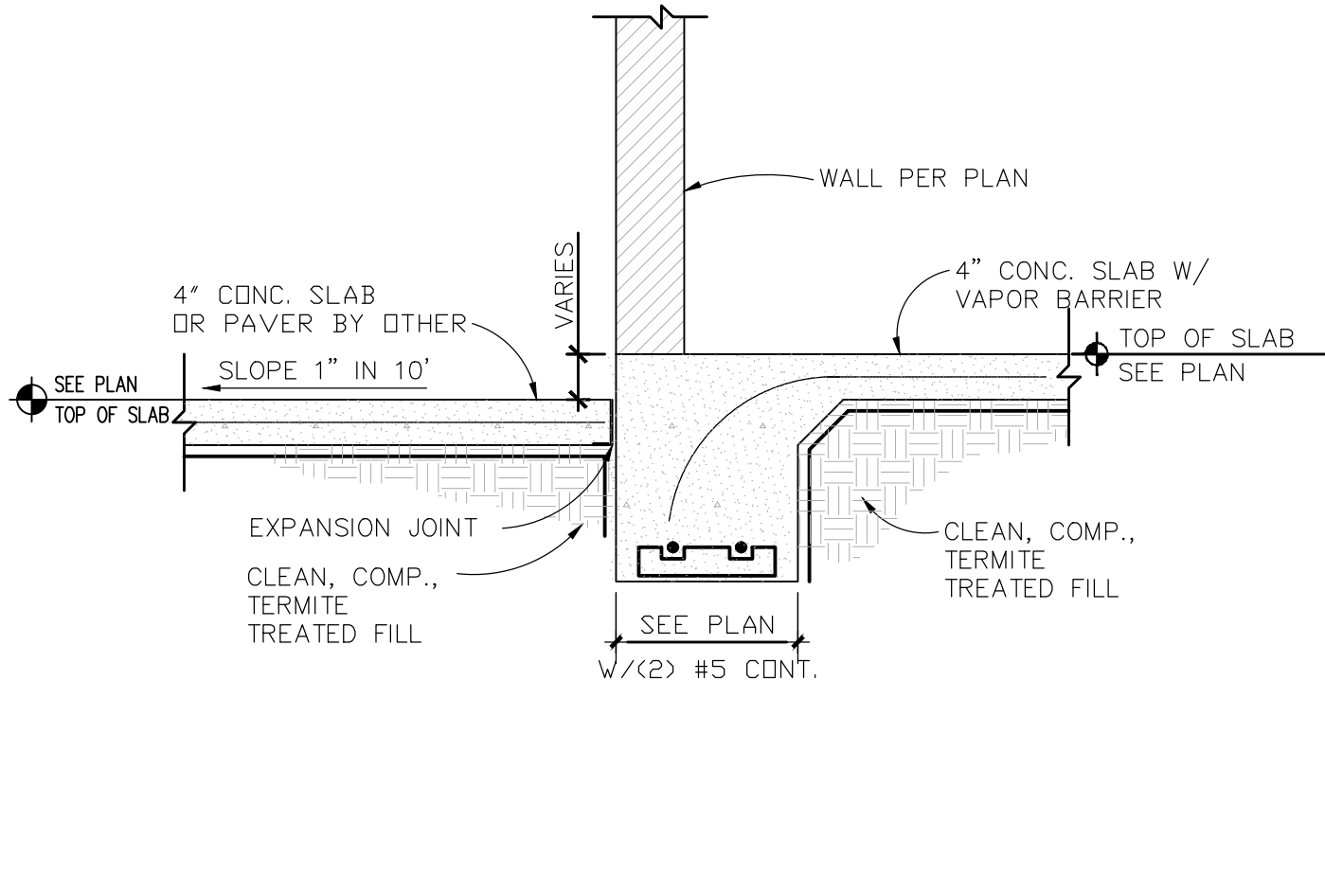
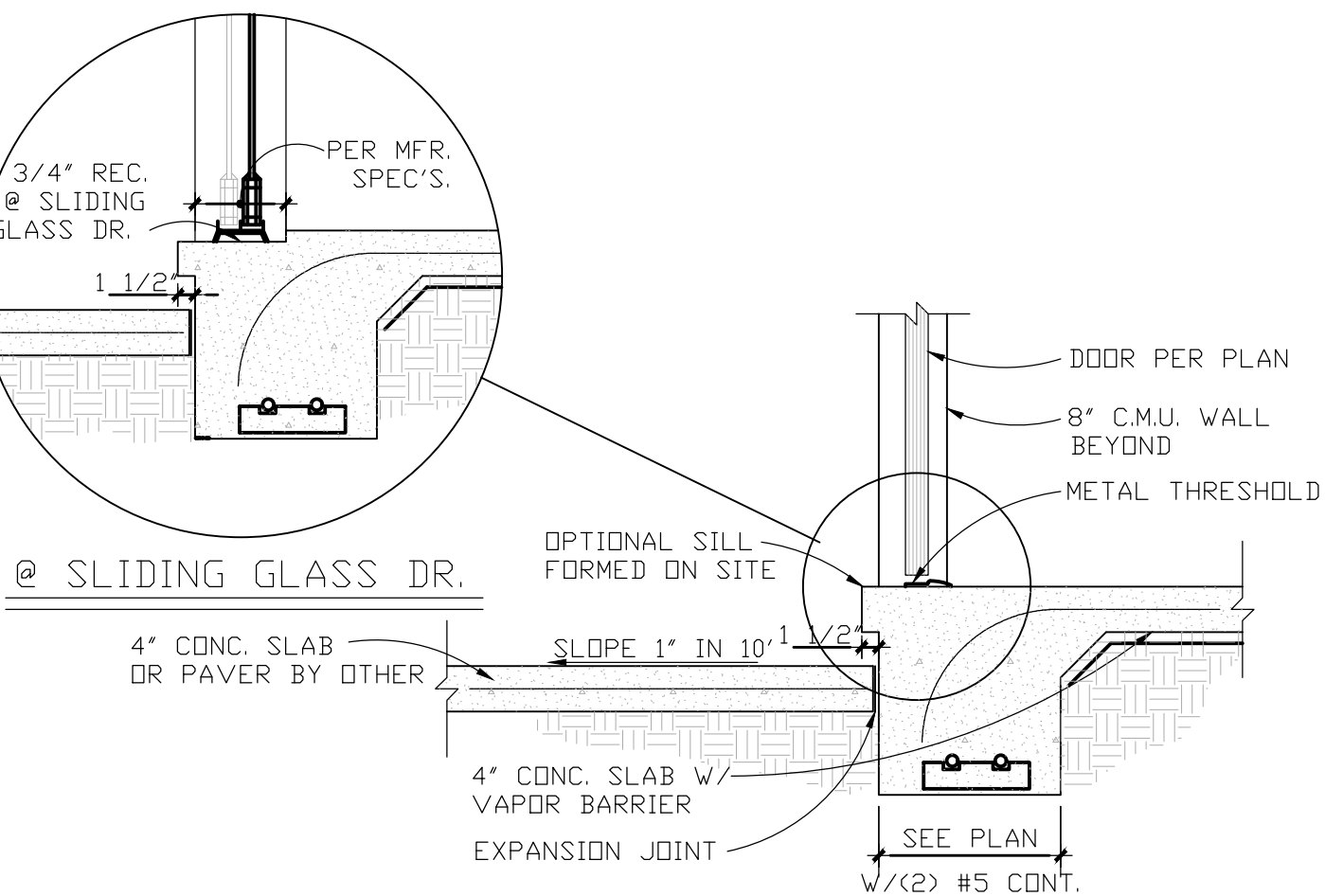


1 EXTERIOR WALL FTG. TYP. SCALE: 3/4" = 1'-0"

2 EXTERIOR WALL W/ CURB TYP. SCALE: 3/4" = 1'-0"

3 GARAGE DOOR FOOTING SCALE: 3/4" = 1'-0"

11 TYPICAL CONTROL JOINT DETAIL SCALE: N.T.S.

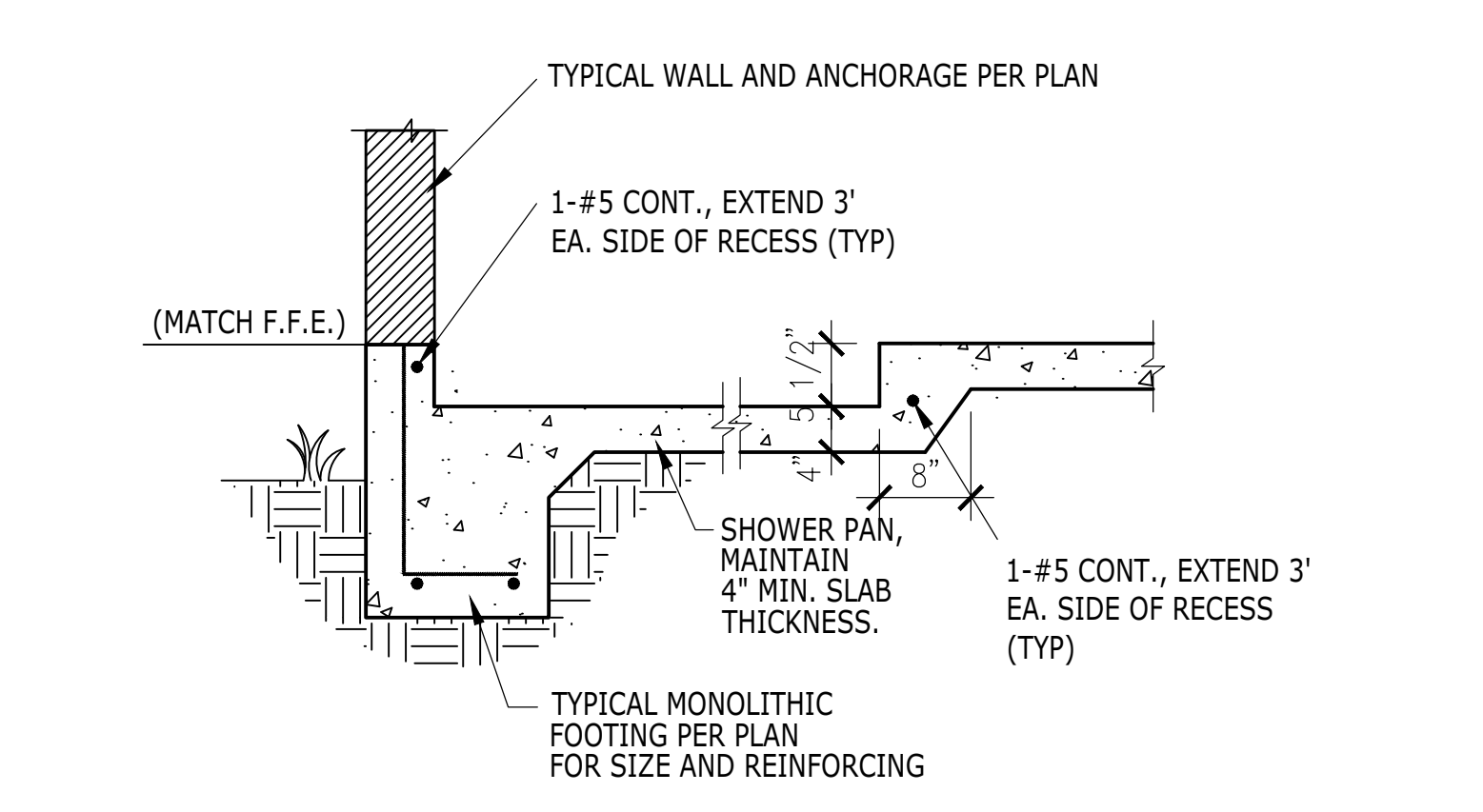
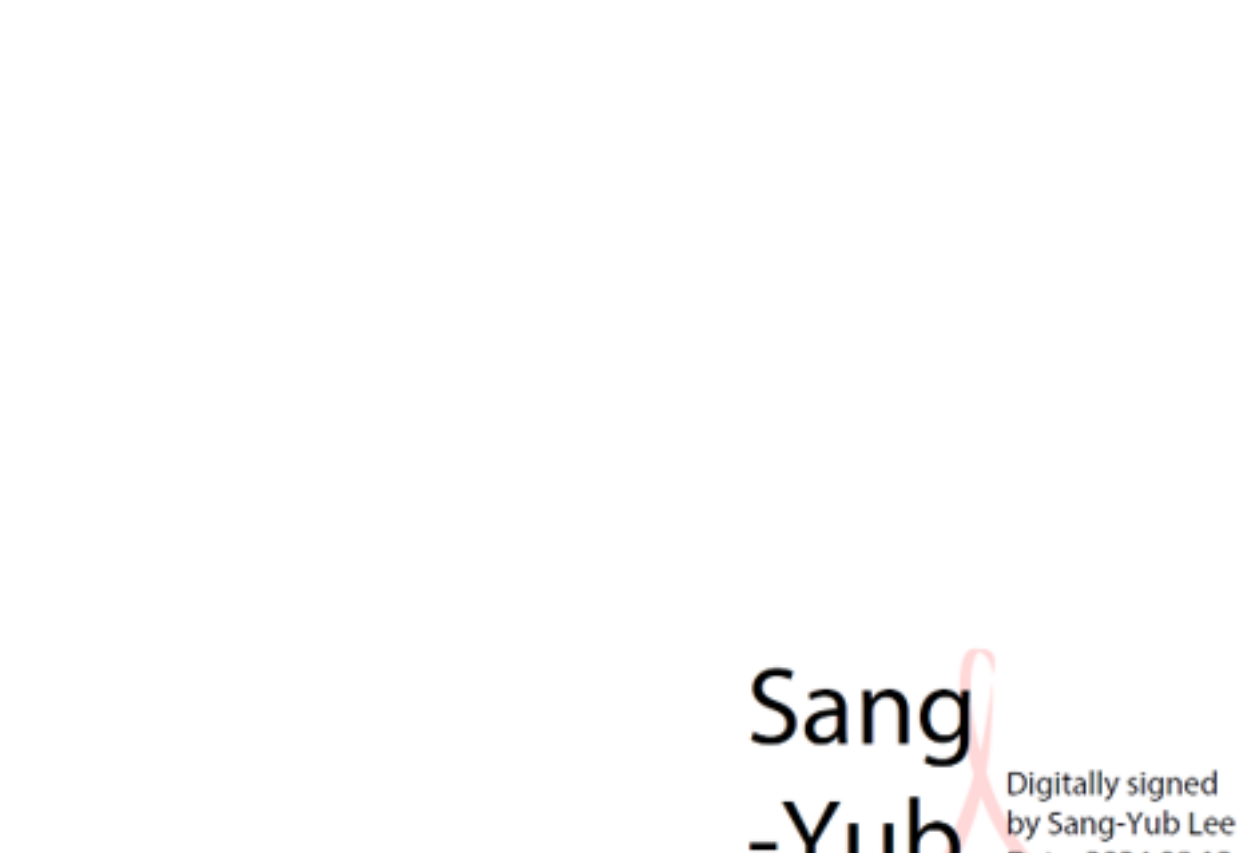
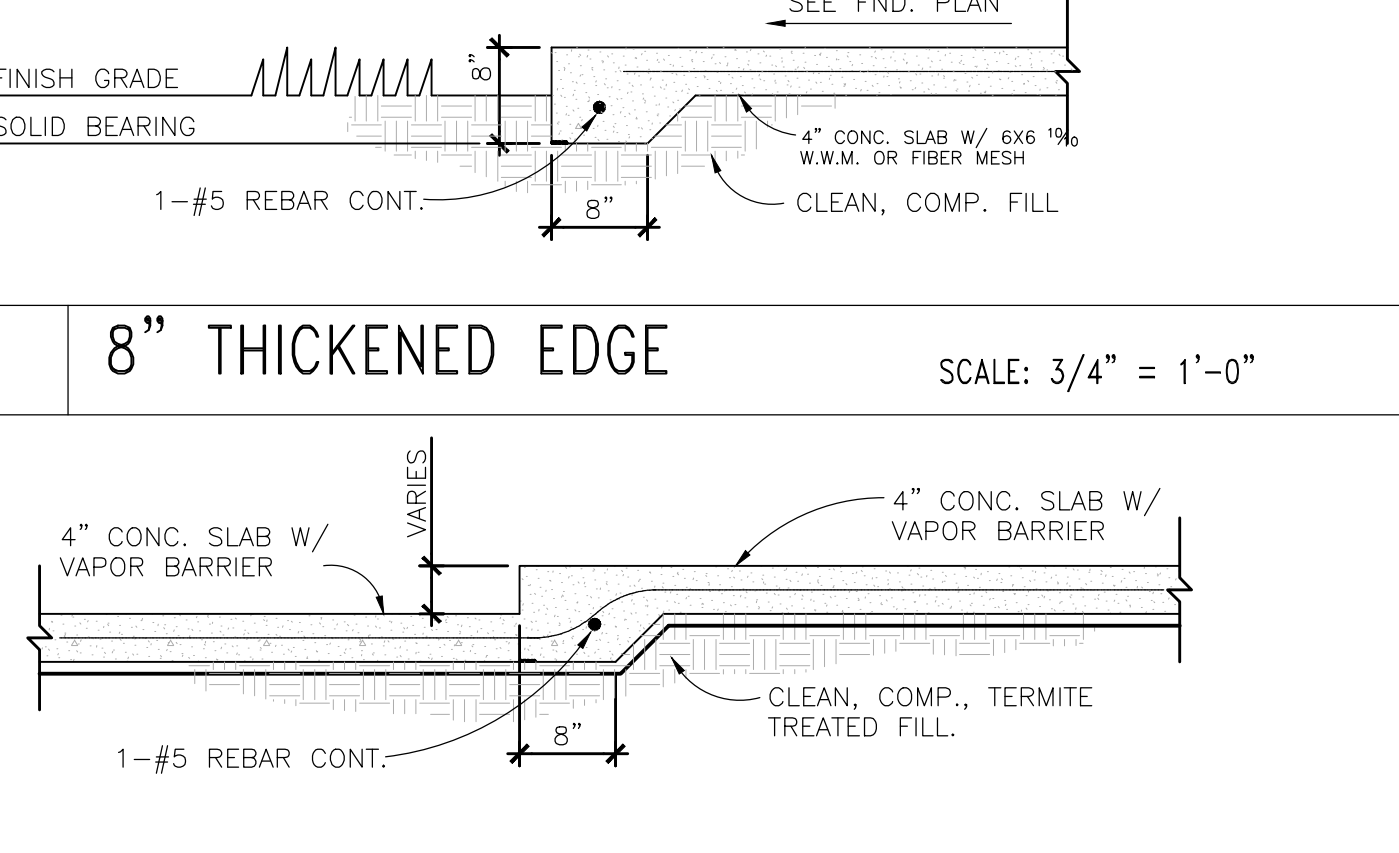
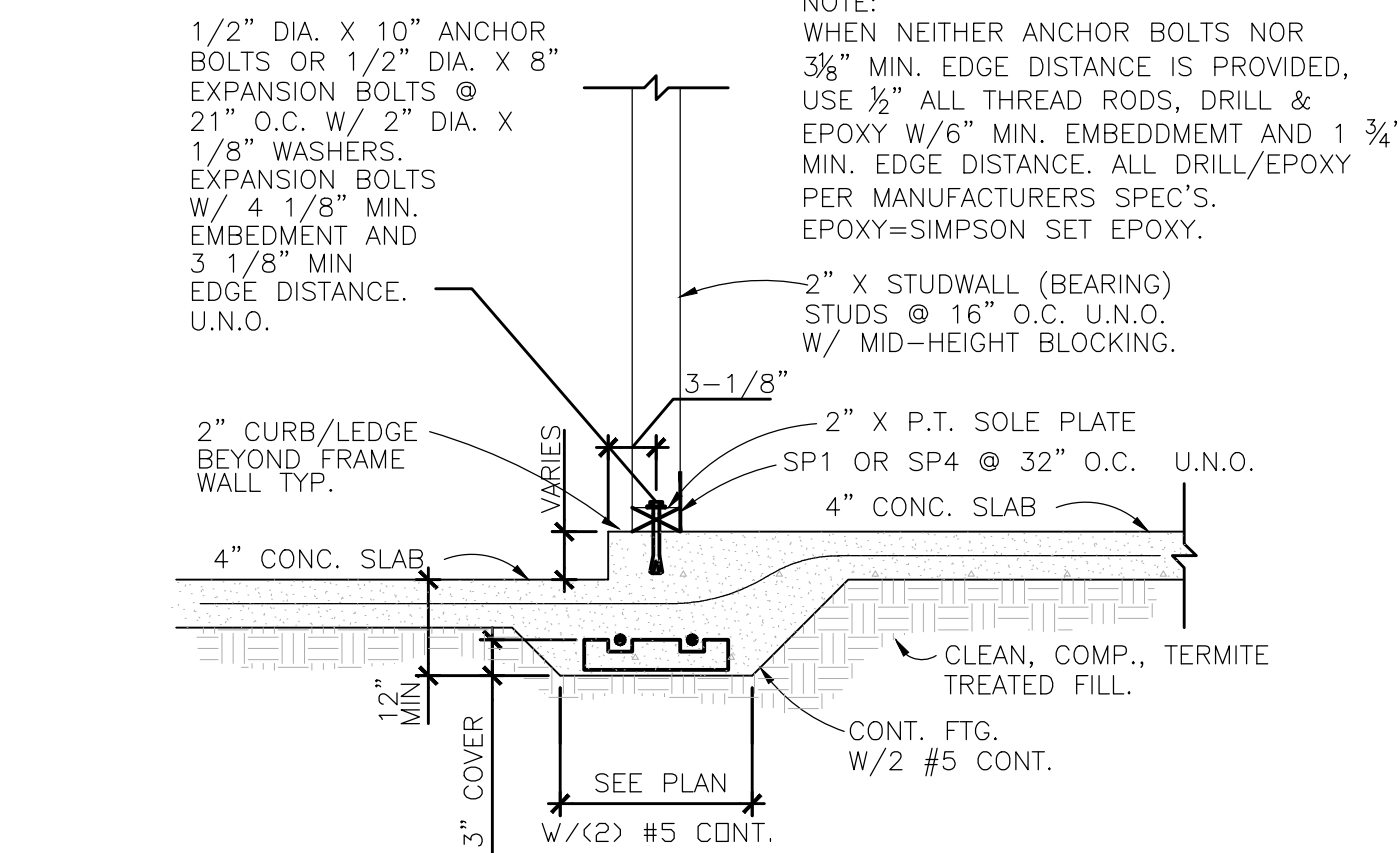


4 EXTERIOR DOOR SILL SCALE: 3/4" = 1'-0"

5 PORCH AT HOUSE SCALE: 3/4" = 1'-0"

6 INTERIOR BEARING FTG. TYP. SCALE: 3/4" = 1'-0"

12 TYPICAL HORIZONTAL REINFORCING AT BEAMS, AND FTGS. SCALE: N.T.S.



7 STEP IN SLAB, BEARING SCALE: 3/4" = 1'-0"

9 STEP IN SLAB, NON-BEARING SCALE: 3/4" = 1'-0"

13 FOOTING AT SHOWER RECESS SCALE: 3/4" = 1'-0"

Sang-Yub Lee
Digitally signed by Sang-Yub Lee
Date: 2024.08.12 13:59:14 -04'00'

SEAL

SANG-YUB LEE
LICENSE
NO. 72328
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

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305 ADDISON POND DRIVE
HOLLY SPRINGS, NC 27540



CONSULTANTS

PROJECT INFO

CUSTOM

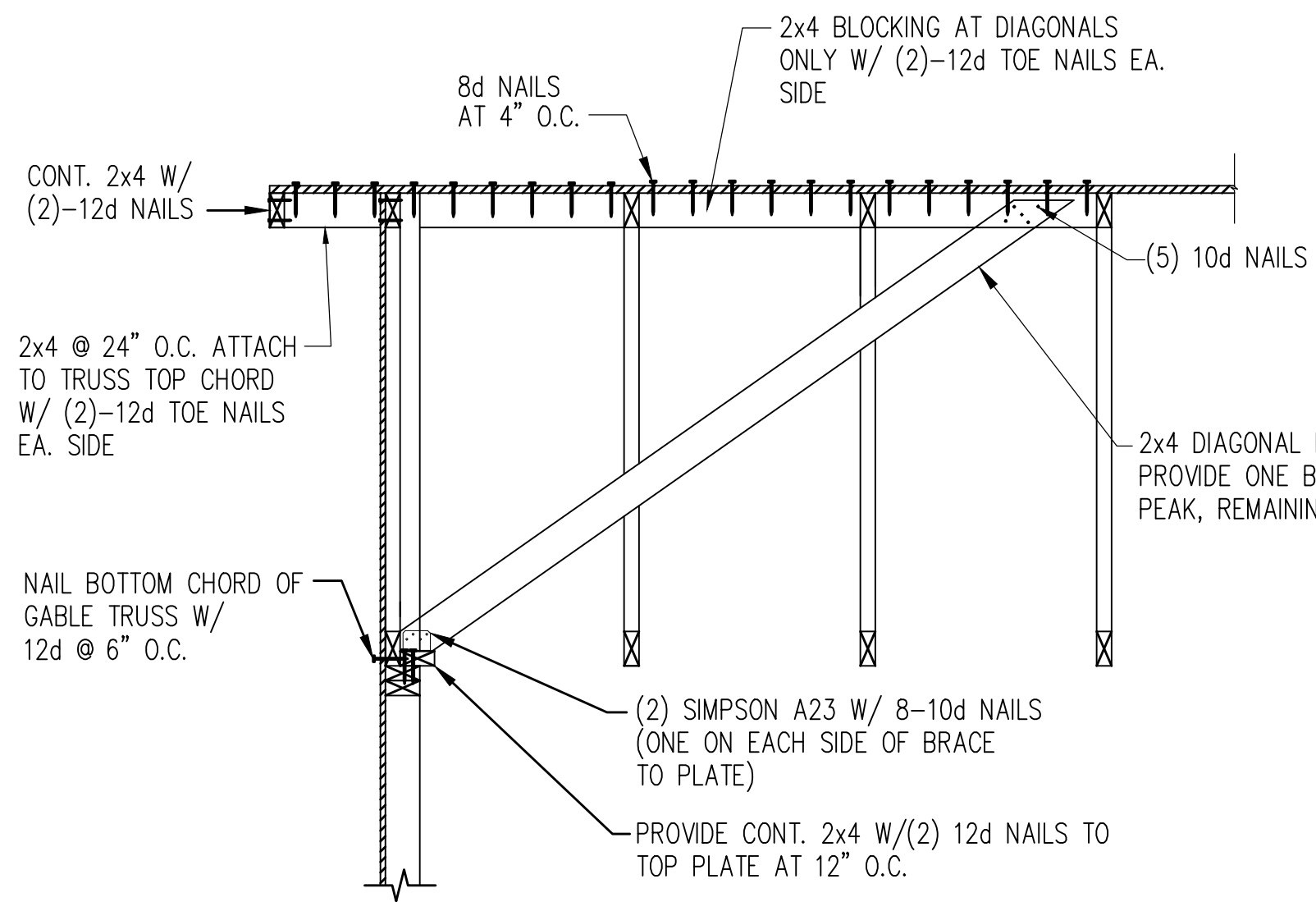
3291 SW CUSTOM
MADE

SHEET TITLE

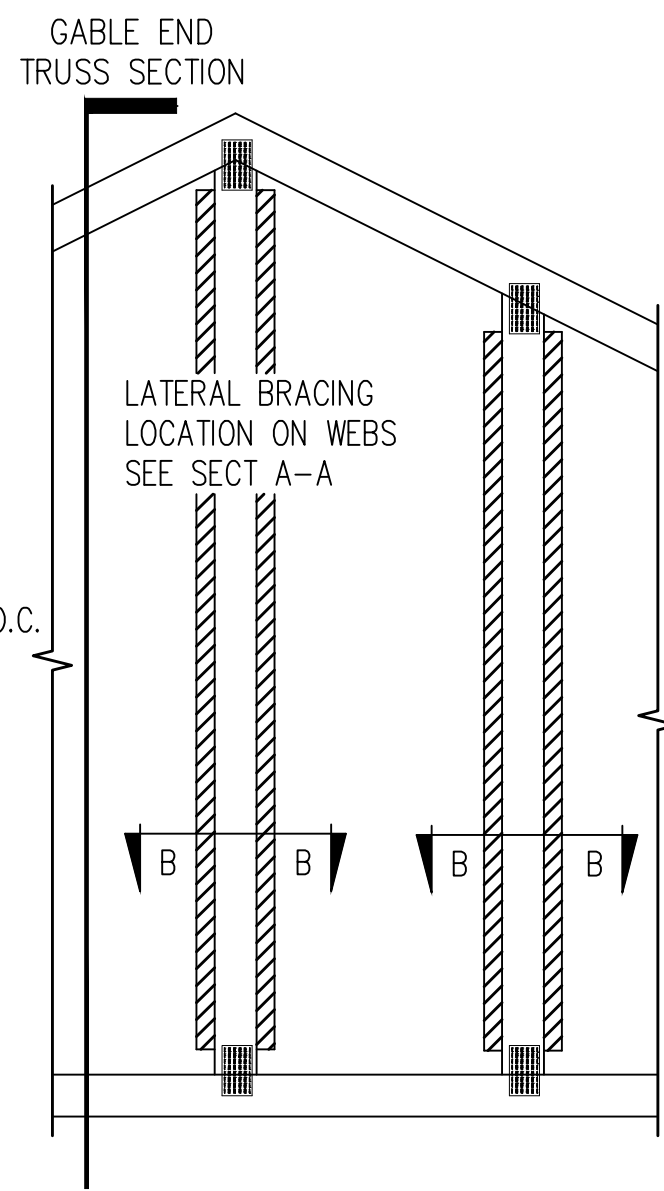
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ADDRESS:		
LOT #:		
DRAWN BY: AS		
CHK'D BY: WAM		
DATE:		
SHEET NO.		

D1

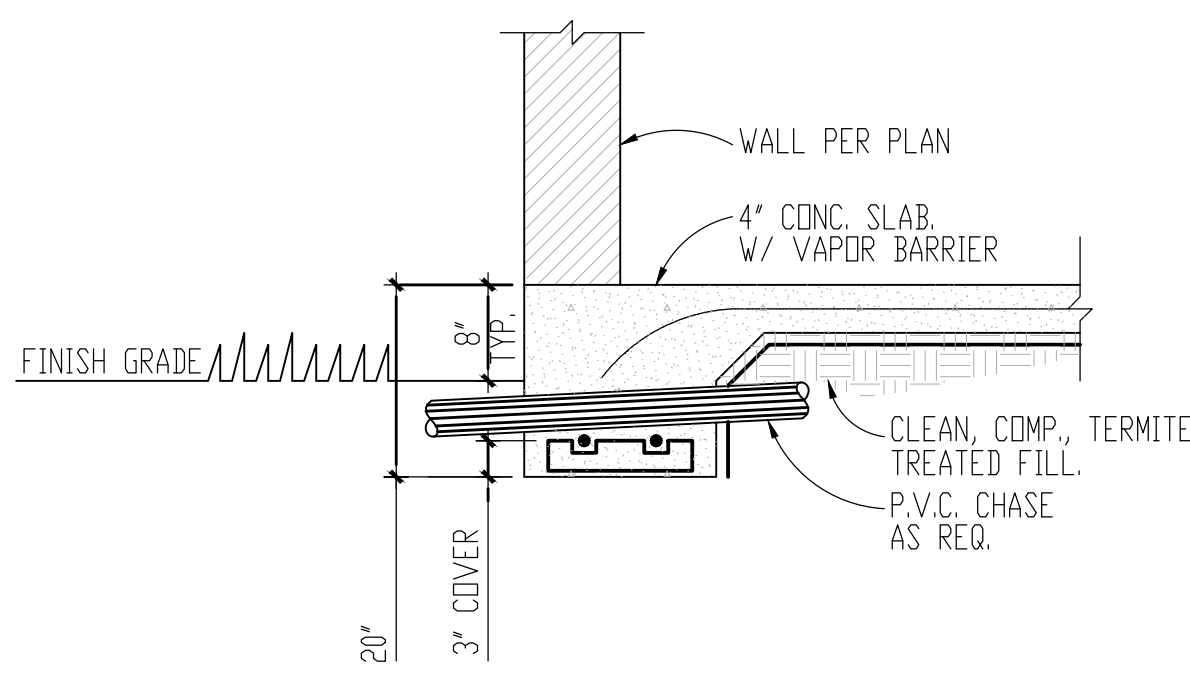
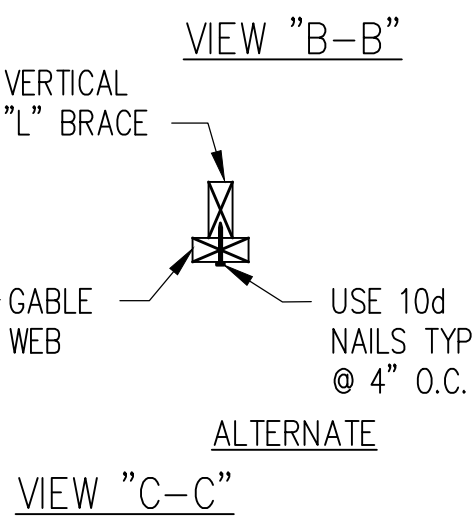
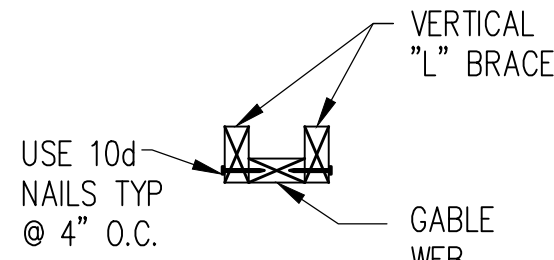


1 TYPICAL SECTION AT GABLE END TRUSSES
SCALE: 3/4" = 1'-0"

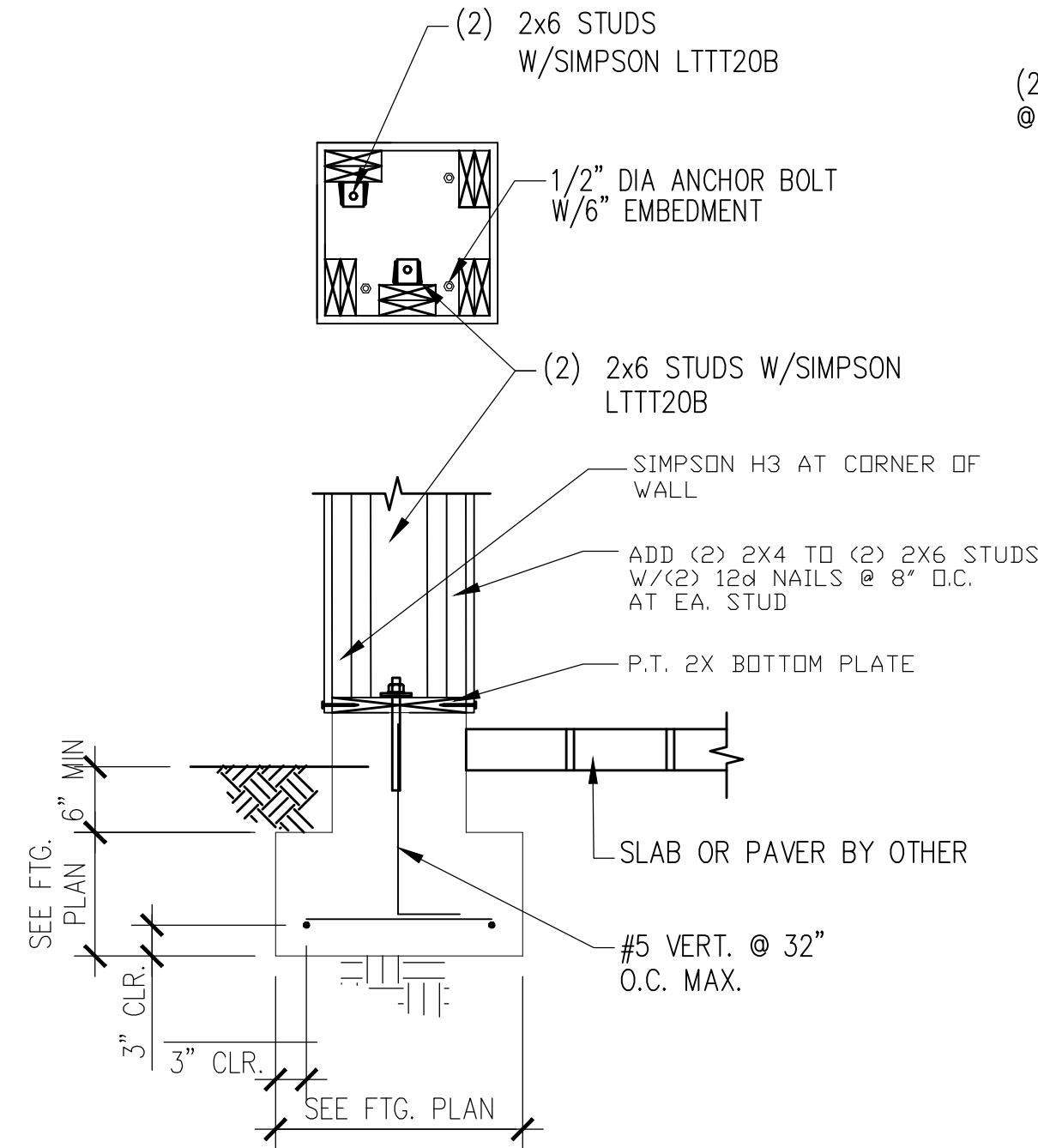


2 STANDARD GABLE END BRACING DETAIL
SCALE: 3/4" = 1'-0"

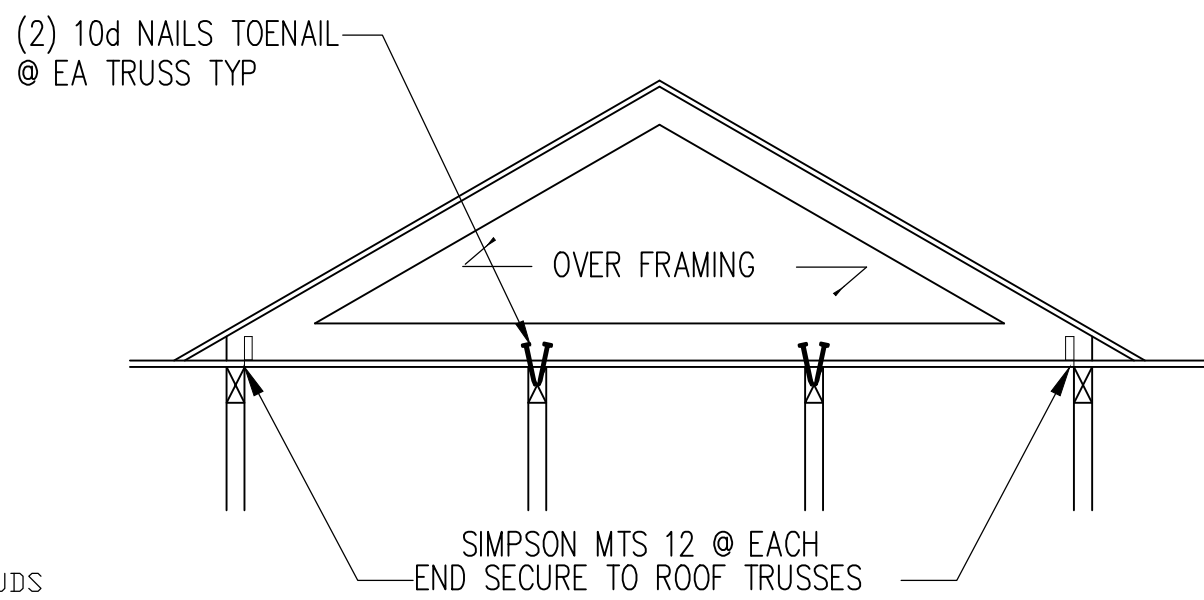
"L" BRACING REQUIREMENTS					
STUD SPACING	"L" NO BRACE	(1) 2x4 "L" BRACE	(2) 2x4 "L" BRACE	(2) 2x6 "L" BRACE	
16"	0'-0" - 4'-5"	4'-5" - 8'-0"	8'-0" - 11'-5"	11'-5" - 15'-6"	
24"	0'-0" - 4'-0"	4'-0" - 6'-10"	6'-10" - 8'-10"	8'-10" - 12'-8"	



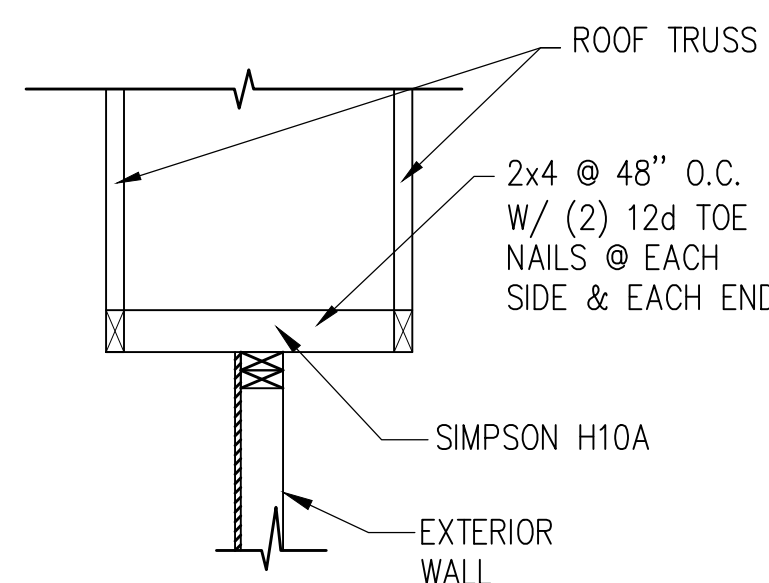
3 UTILITY CHASE
SCALE: 3/4" = 1'-0"



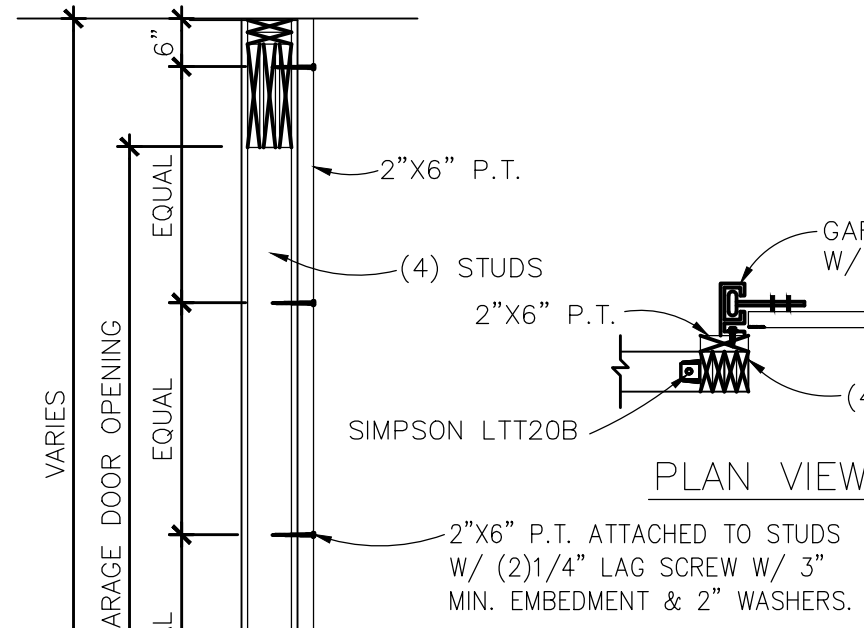
4 FOOTING AT POST WALL
SCALE: 3/4" = 1'-0"



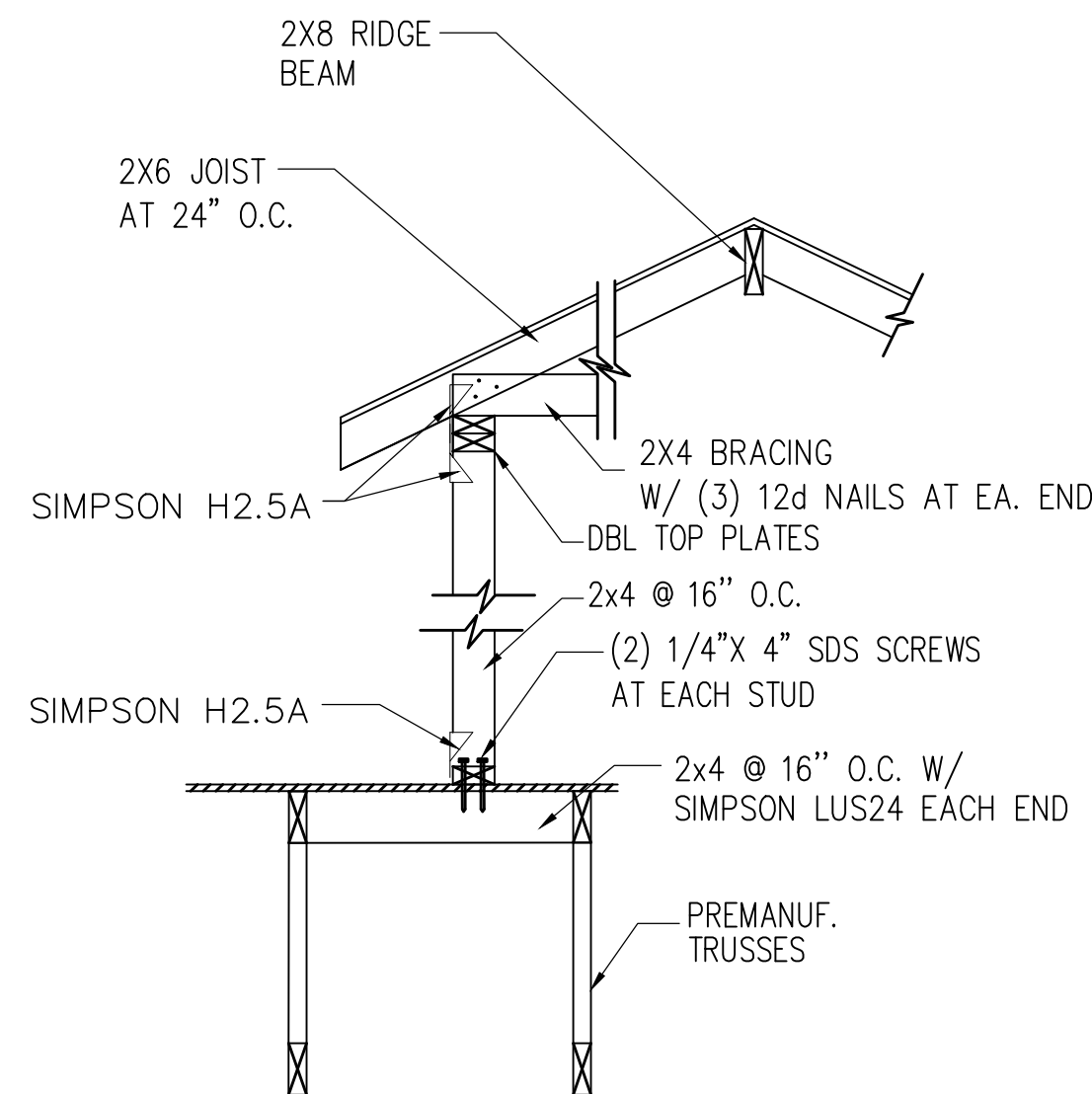
5 TYP OVER-BUILT TRUSS CONN
SCALE: 3/4" = 1'-0"



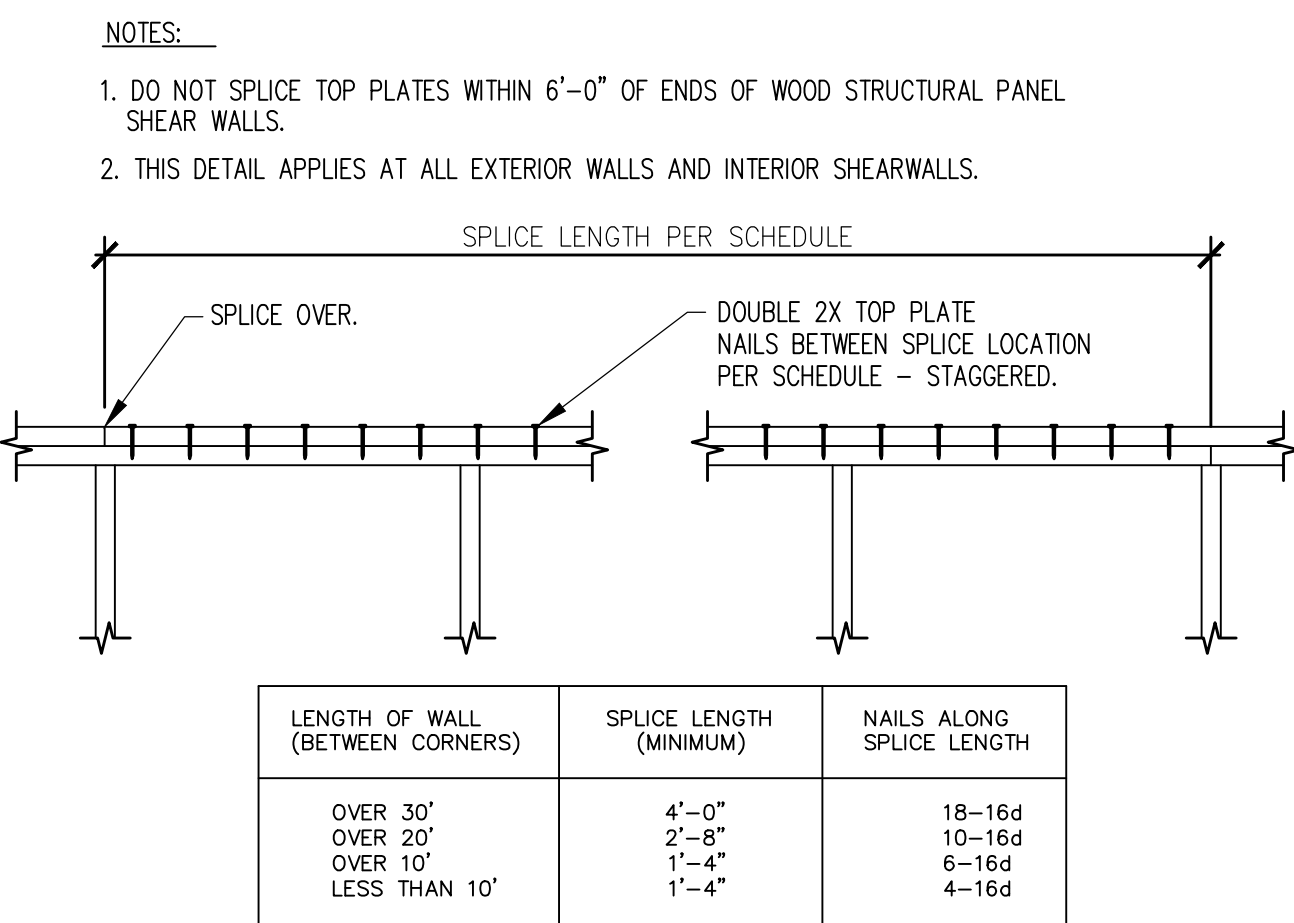
6 BRACE EXTERIOR WALL
SCALE: 3/4" = 1'-0"



7 GARAGE DOOR BUCK
SCALE: 3/4" = 1'-0"



11 SECTION
SCALE: 3/4" = 1'-0"



LENGTH OF WALL (BETWEEN CORNERS)	SPLICE LENGTH (MINIMUM)	NAILS ALONG SPLICE LENGTH
OVER 30'	4'-0"	18-16d
OVER 20'	2'-8"	10-16d
OVER 10'	1'-4"	6-16d
LESS THAN 10'	1'-4"	4-16d

8 TYPICAL TOP PLATE SPLICE
SCALE: NTS.

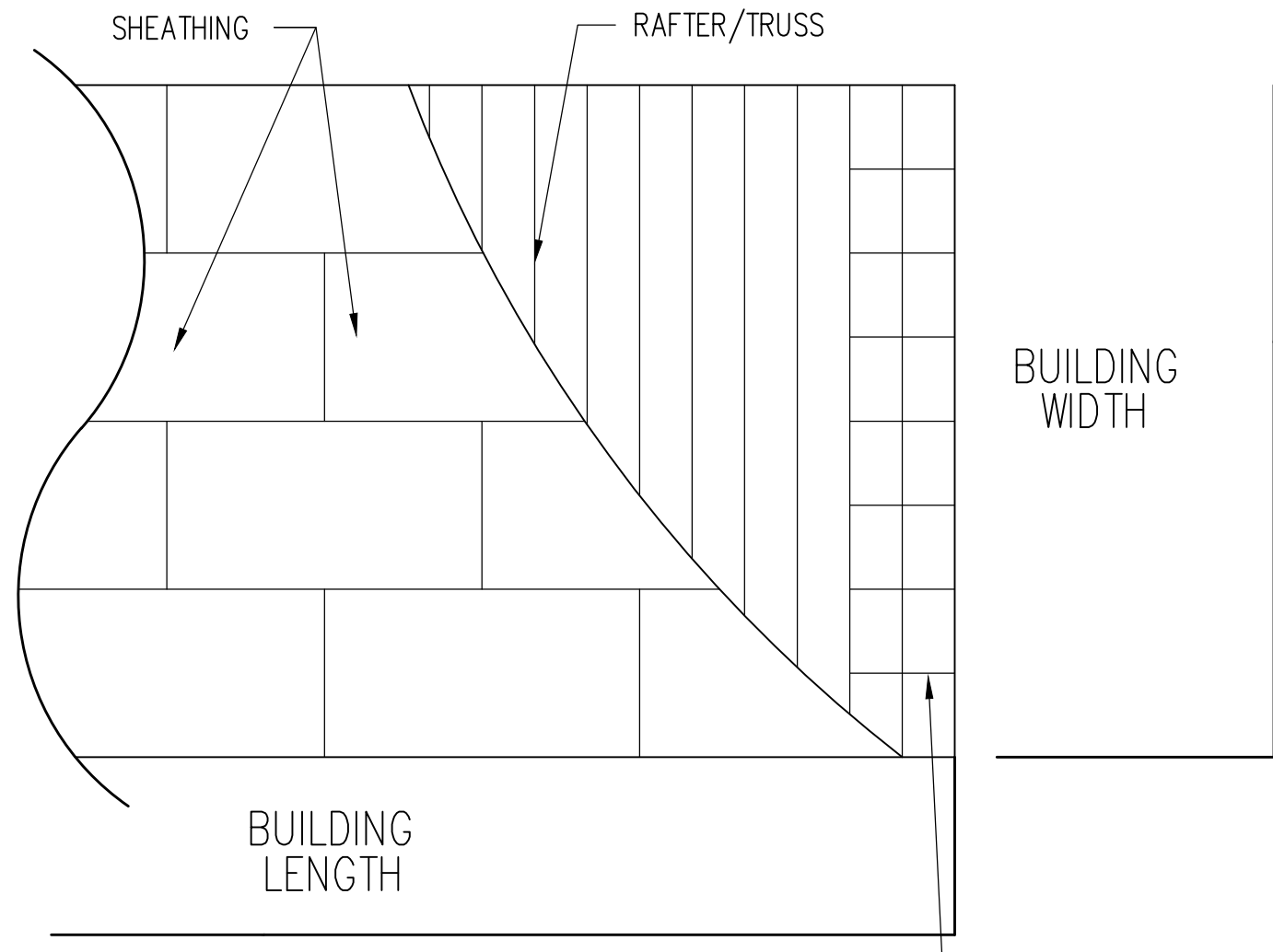
MINIMUM WALL AND HEADER STUD REQUIREMENTS

UPLIFT CONNECTION REQUIREMENT AT POINTS 'A'(TOP AND BOTTOM OF HEADER STUDS. UPLIFT CONNECTION IS REQUIRED AT EACH END OF HEADER AND AT BOTTOM OF HEADER STUDS IN ADDITION TO CONNECTORS AT WALL STUDS

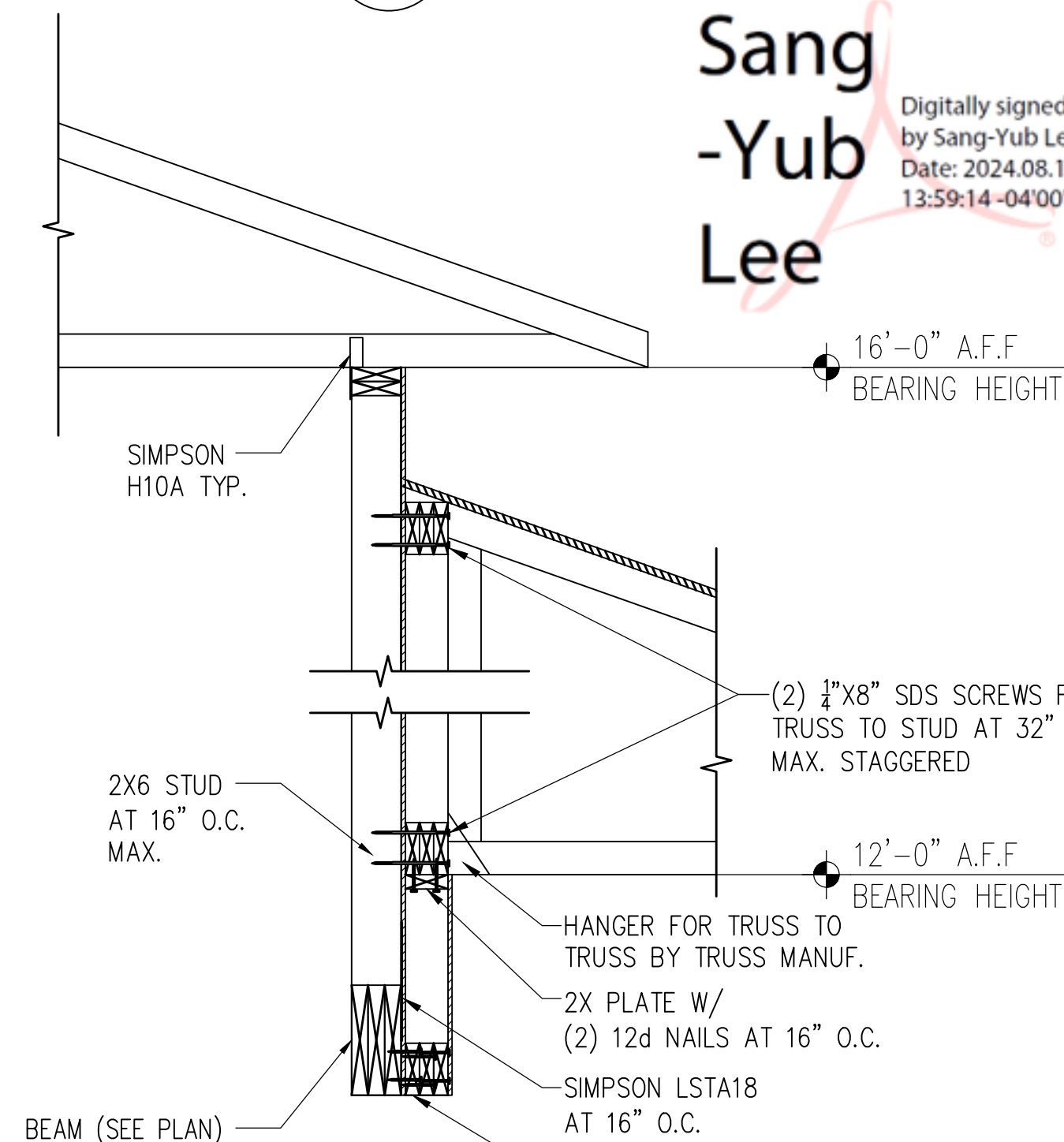
UNSUPPORTED WALL HEIGHT	STUD SPACING	NUMBER OF FULL LENGTH STUDS AT EACH END OF HEADER					
10' OR LESS	12"	2	2	3	3	3	3
	16"	2	2	3	3	3	3
	24"	1	2	2	2	2	2
GREATER THAN 10'	12"	2	2	3	4	5	5
	16"	2	2	3	3	4	4
	24"	1	2	2	2	3	3

*THE HEADER STUD SHALL NOT BE REQUIRED IF THE HEADER IS SUPPORTED BY A SUITABLE FRAMING ANCHOR

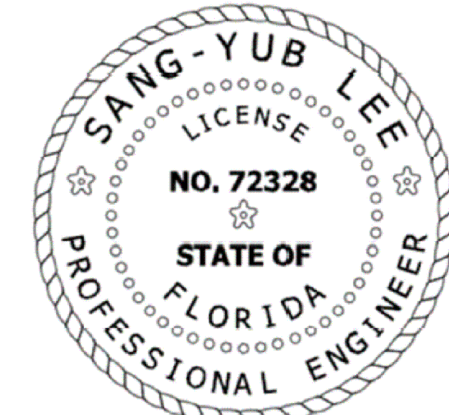
9 HEADER AND BEAM STUD SCHEDULE
SCALE: NTS.



10 ROOF SHEATHING LAYOUT
SCALE: NTS.



12 SECTION
SCALE: 3/4" = 1'-0"



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HOLLY SPRINGS, NC 27540



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PROJECT INFO

SMITH'S RESIDENCE

B

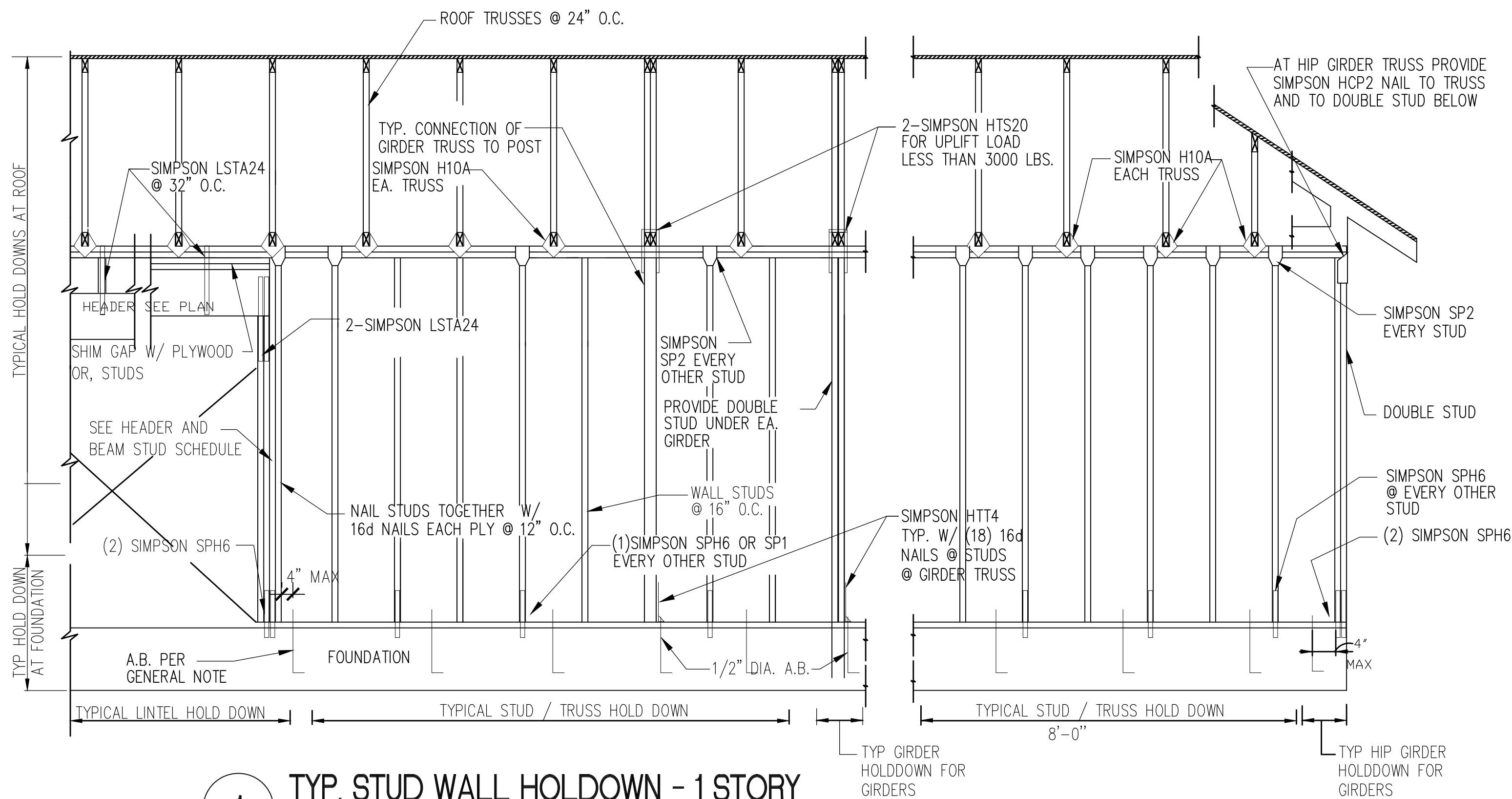
3291 SW CUSTOM
MADE
LAKE CITY

SHEET TITLE

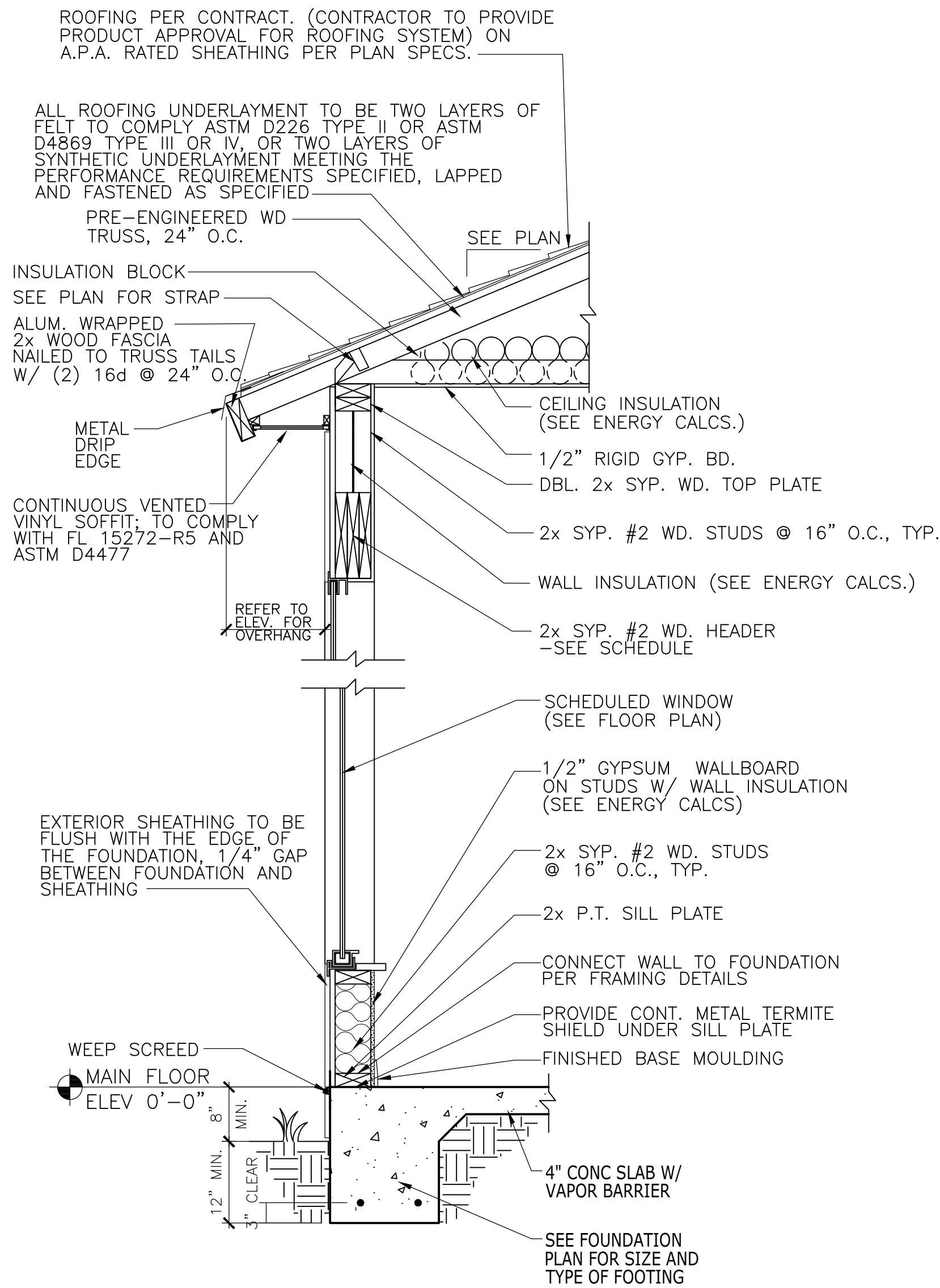
DETAILS

REVISIONS		
MARK	DATE	DESCRIPTION
PARCEL ID:		
ADDRESS:		
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CHK'D BY: WAM		
DATE:		
SHEET NO.		

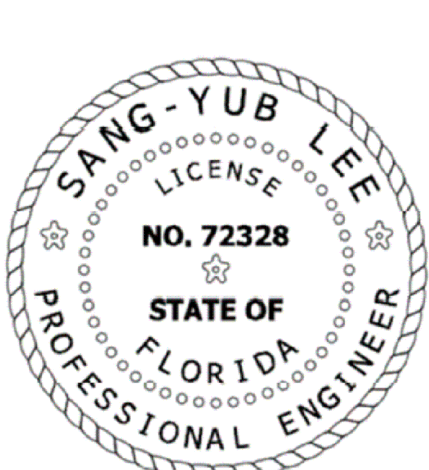
D2



1 TYP. STUD WALL HOLDDOWN - 1 STORY
SCALE: 3/4" = 1'-0"



2 EXTERIOR WALL SECTION WITH WINDOW
SCALE: 3/4" = 1'-0"



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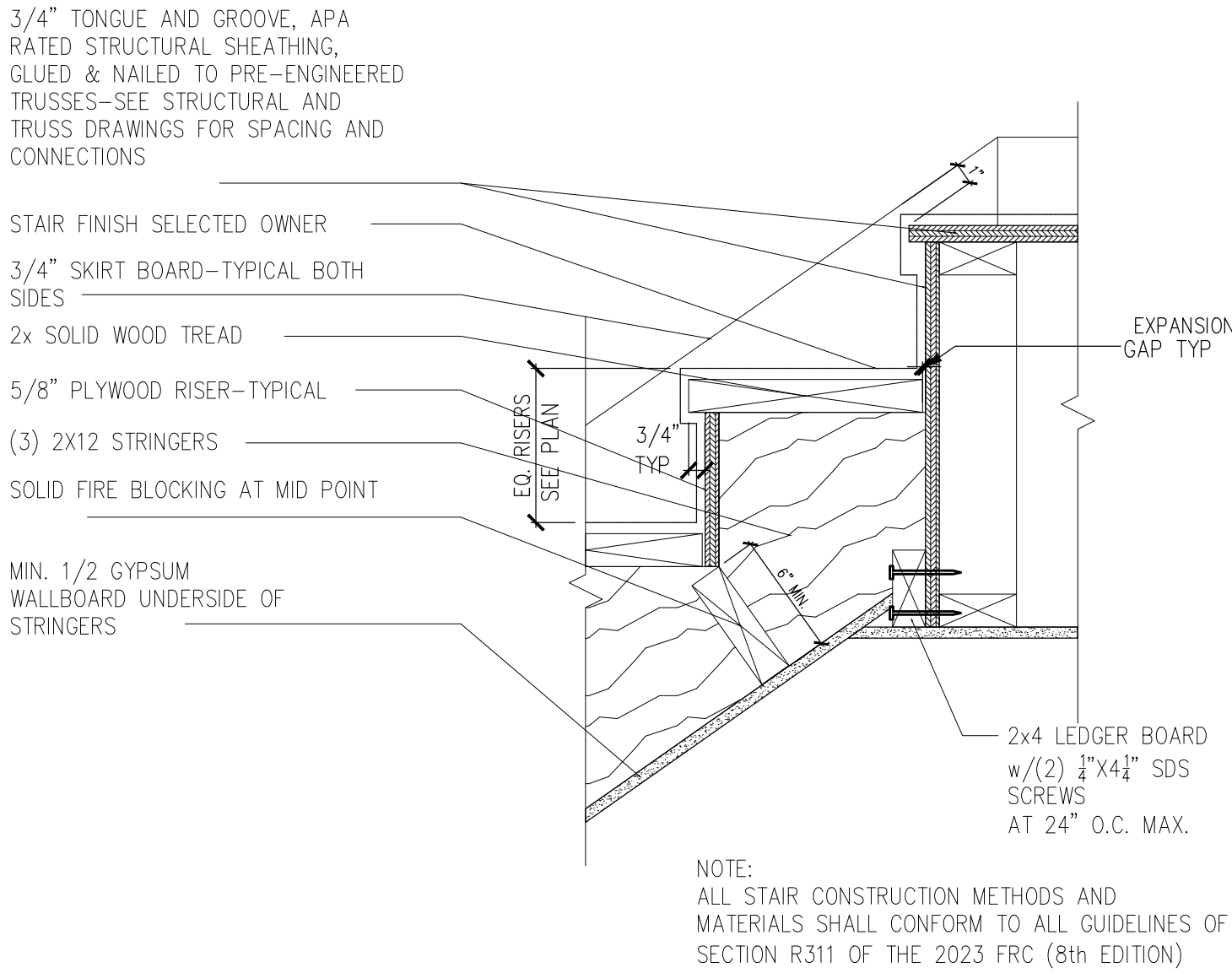
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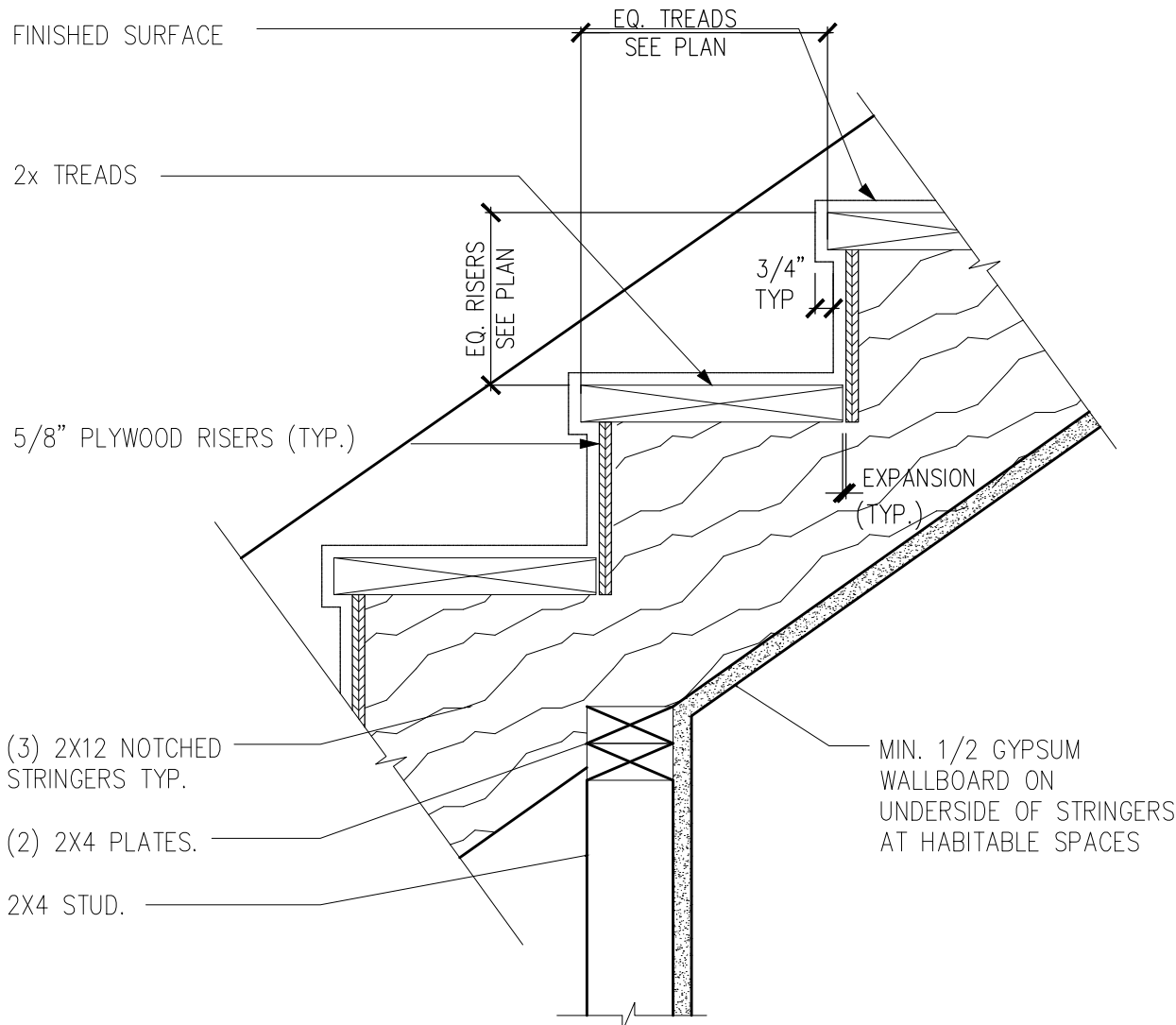
Sang-Yub Lee
Digitally signed
by Sang-Yub Lee
Date: 2024.08.12
13:59:14 -04'00'

D3



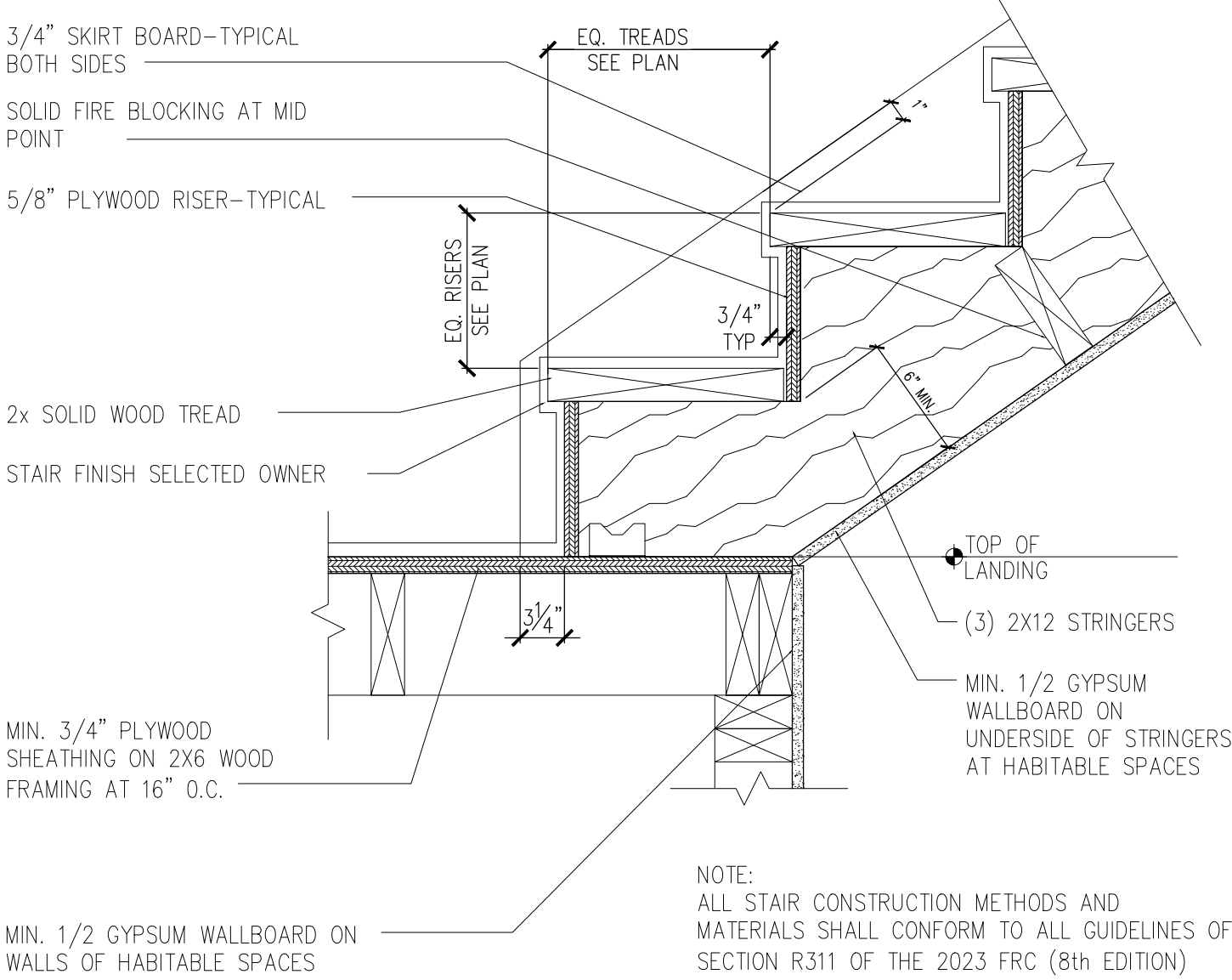
STAIR STRINGER DETAIL AT FLOOR

SCALE: 1 1/2"=1'-0"



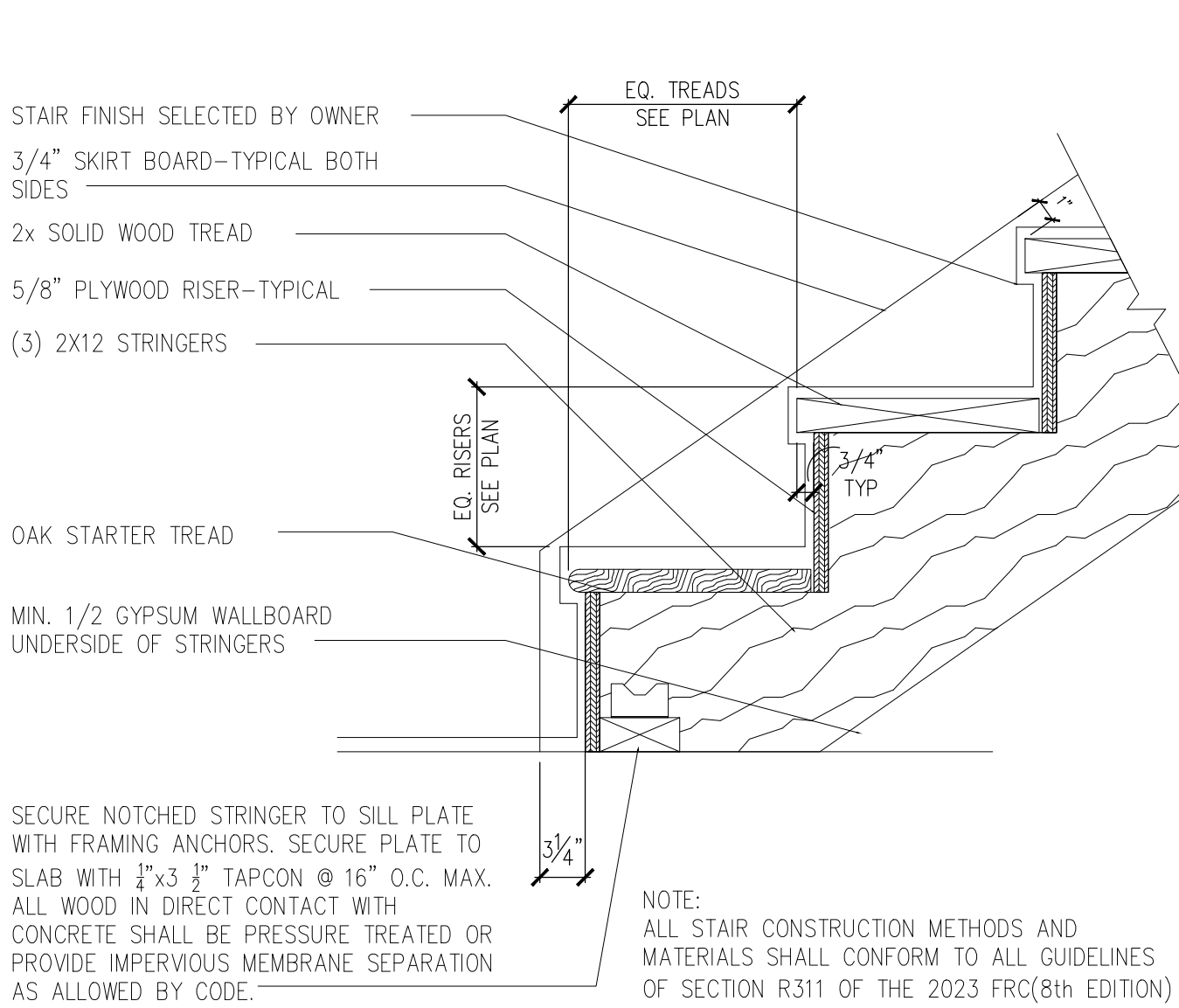
WALL / STRINGER DETAIL

SCALE: 1 1/2" = 1'-0"



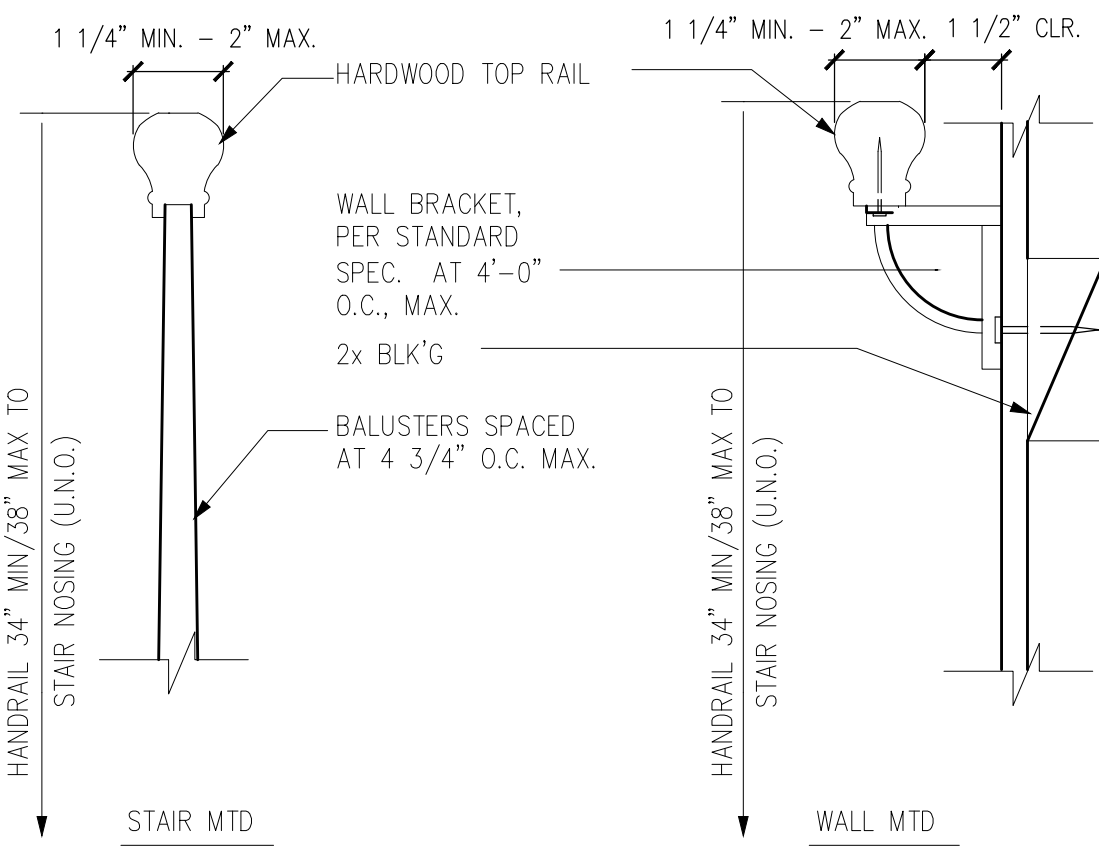
STAIR STRINGER AT LANDING

SCALE: 1 1/2"=1'-0"



STAIR STRINGER DETAIL AT FLOOR

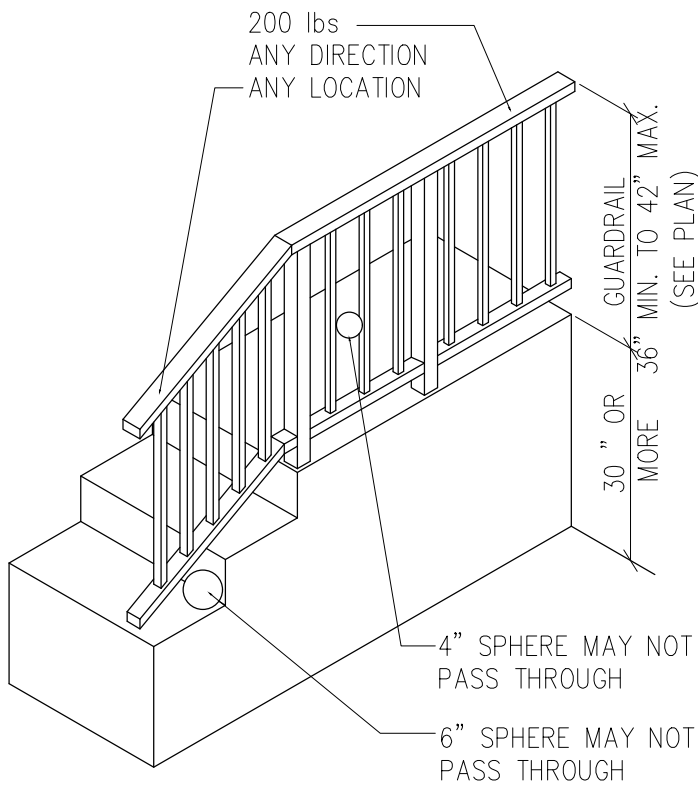
SCALE: 1 1/2"=1'-0"



HANDRAIL

SCALE: 1-1/2"=1'-0"

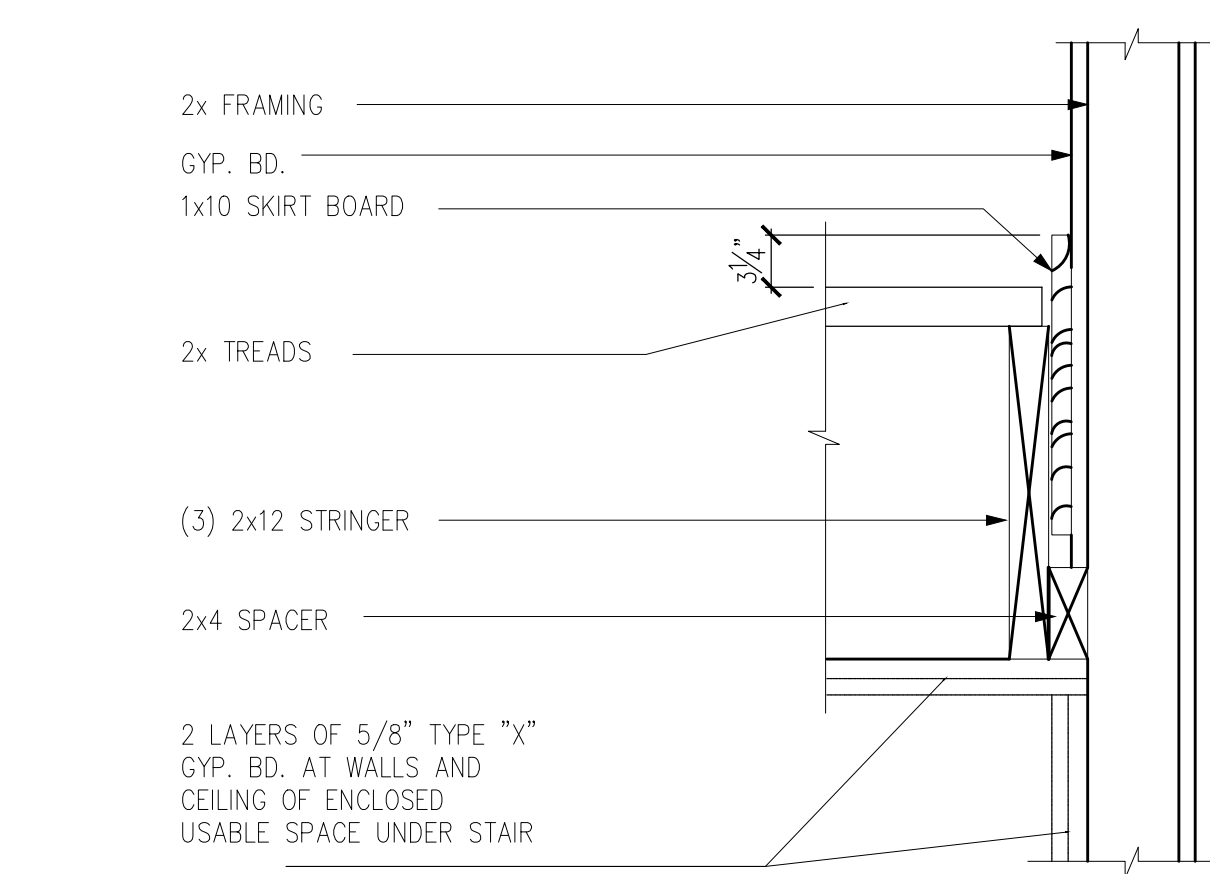
- HANDRAILS SHALL NOT BE LESS THAN 36" OR MORE THAN 38" IN HEIGHT ABOVE THE STAIR NOSING.
- HANDRAILS SHALL BE CONTINUOUS PER FLIGHT OF STAIRS.
- HANDRAILS SHALL BE 1 1/2" CLEAR OF ALL ADJACENT FINISH MATERIALS AND ENDS SHALL RETURN TO WALL OR TERMINATE IN NEWEL POSTS OR SAFE TERMINALS.
- RAILING TO BE 1 1/4"-2" IN CROSS SECTIONAL DIMENSION, OR APPROVED EQUIVALENT.
- HANDRAILS SHALL BE SMOOTH WITH NO SHARP EDGES/CORNERS.
- STAIR AND RAILING SUPPLIER INSTALLER SHALL SATISFY ALL BUILDING DEPARTMENT APPROVAL REQUIREMENTS FOR THE PRODUCTS THEY PROVIDE OR INSTALL.
- THE HANDRAIL CONSTRUCTION SHALL BE ABLE TO RESIST A LOAD OF 200 LBS APPLIED IN ANY DIRECTION AT ANY POINT ALONG THE TOP RAIL.
- GUARDRAILS SHALL NOT BE LESS THAN 42" IN HEIGHT.
- OPEN RAILS SHALL HAVE INTERMEDIATE RAILS OR AN ORNAMENTAL PATTERN SUCH THAT A 4" DIAMETER SPHERE CANNOT PASS THROUGH.
- GUARDRAIL CONSTRUCTION SHALL BE ABLE TO RESIST A CONCENTRATED LOAD OF 200 LBS IN ANY DIRECTION
- THE TRIANGULAR OPENINGS AT STAIR TREAD, RISER, & BOTTOM SHALL BE SUCH THAT A 6" DIAMETER SPHERE CANNOT PASS THROUGH.



THIS DIAGRAM ILLUSTRATES THE SPECIFIC REQUIREMENTS OF THE BUILDING CODE AND IS ONLY AN AID FOR BUILDING DESIGN AND CONSTRUCTION.

HANDRAIL / GUARDRAIL

SCALE: 1 1/2" = 1'-0"



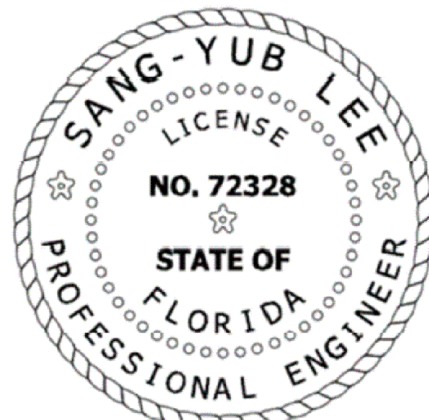
SKIRT / WALL DETAIL

SCALE: 1 1/2" = 1'-0"

GUARDS AND HANDRAILS GUARD IN-FILL COMPONENTS

PER FBCR 301.5
STAIR RAILING AND STAIR GUARD RAILING SHALL BE CONSTRUCTED TO WITHSTAND A SINGLE CONCENTRATED LOAD OF 200 POUNDS APPLIED AT ANY POINT AND ANY DIRECTION ALONG THE TOP OF THE RAIL.
GUARD IN-FILL COMPONENTS (ALL THOSE EXCEPT THE HANDRAIL), BALUSTERS AND PANEL FILLERS SHALL BE DESIGNED TO WITHSTAND A HORIZONTALLY APPLIED NORMAL LOAD OF 50 POUNDS ON AN AREA EQUAL TO 1 SQUARE FOOT. THIS LOAD NEED NOT BE ASSUMED TO ACT CONCURRENTLY WITH ANY OTHER LIVE LOAD REQUIREMENT.

SEAL



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SHEET TITLE

DETAILS

REVISIONS

MARK	DATE	DESCRIPTION

PARCEL ID:

ADDRESS:

LOT #:

DRAWN BY: AS

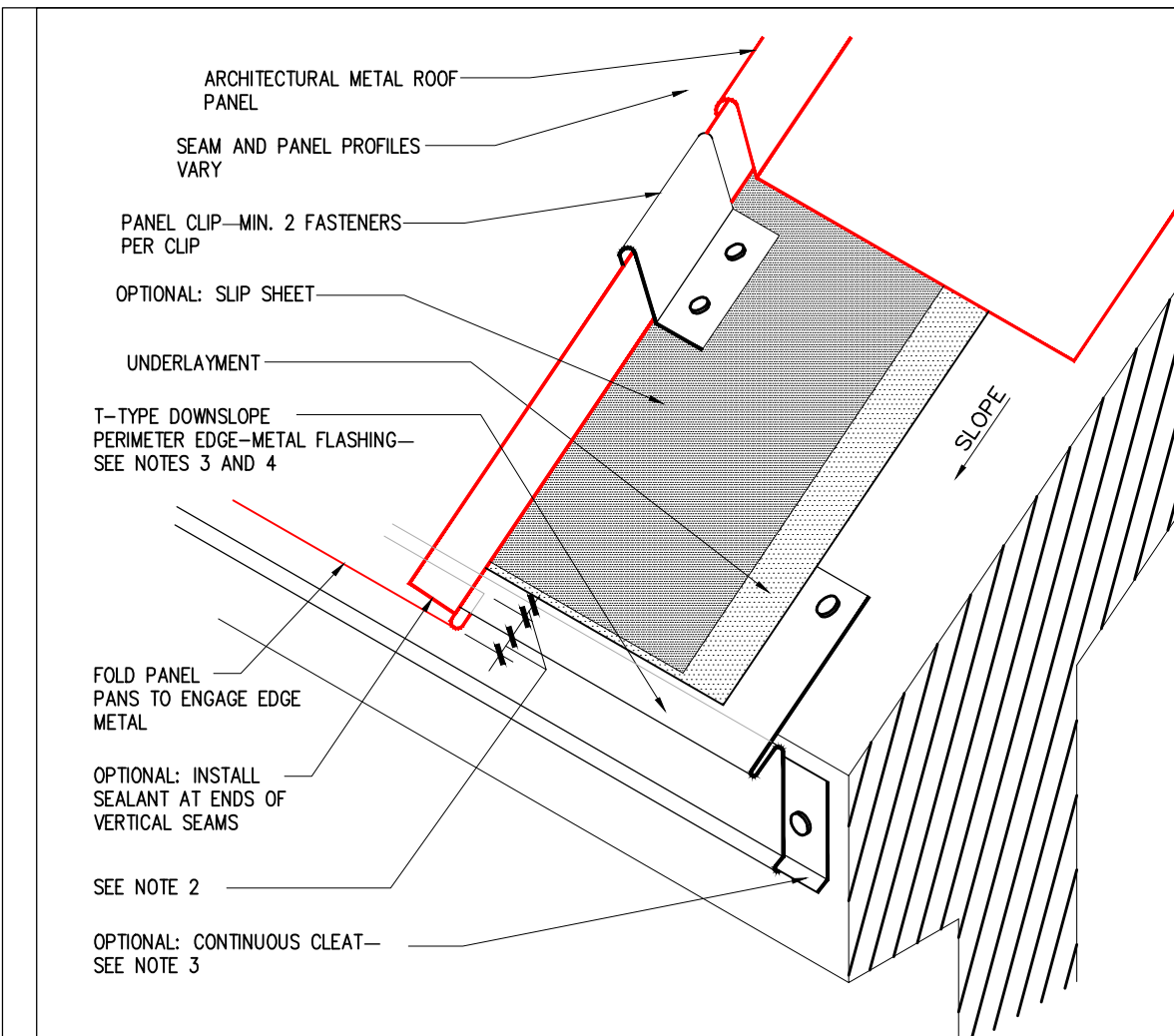
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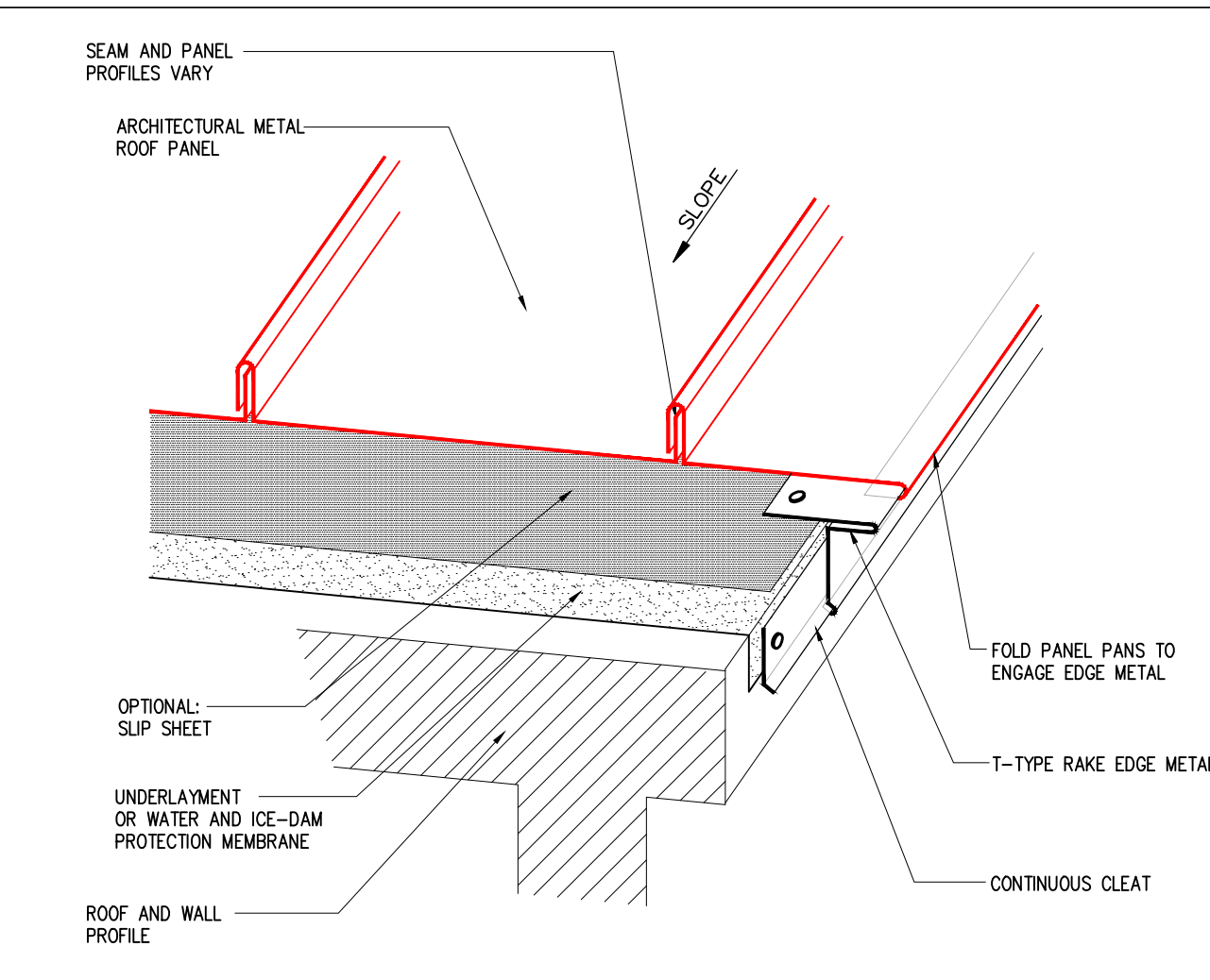
SHEET NO.

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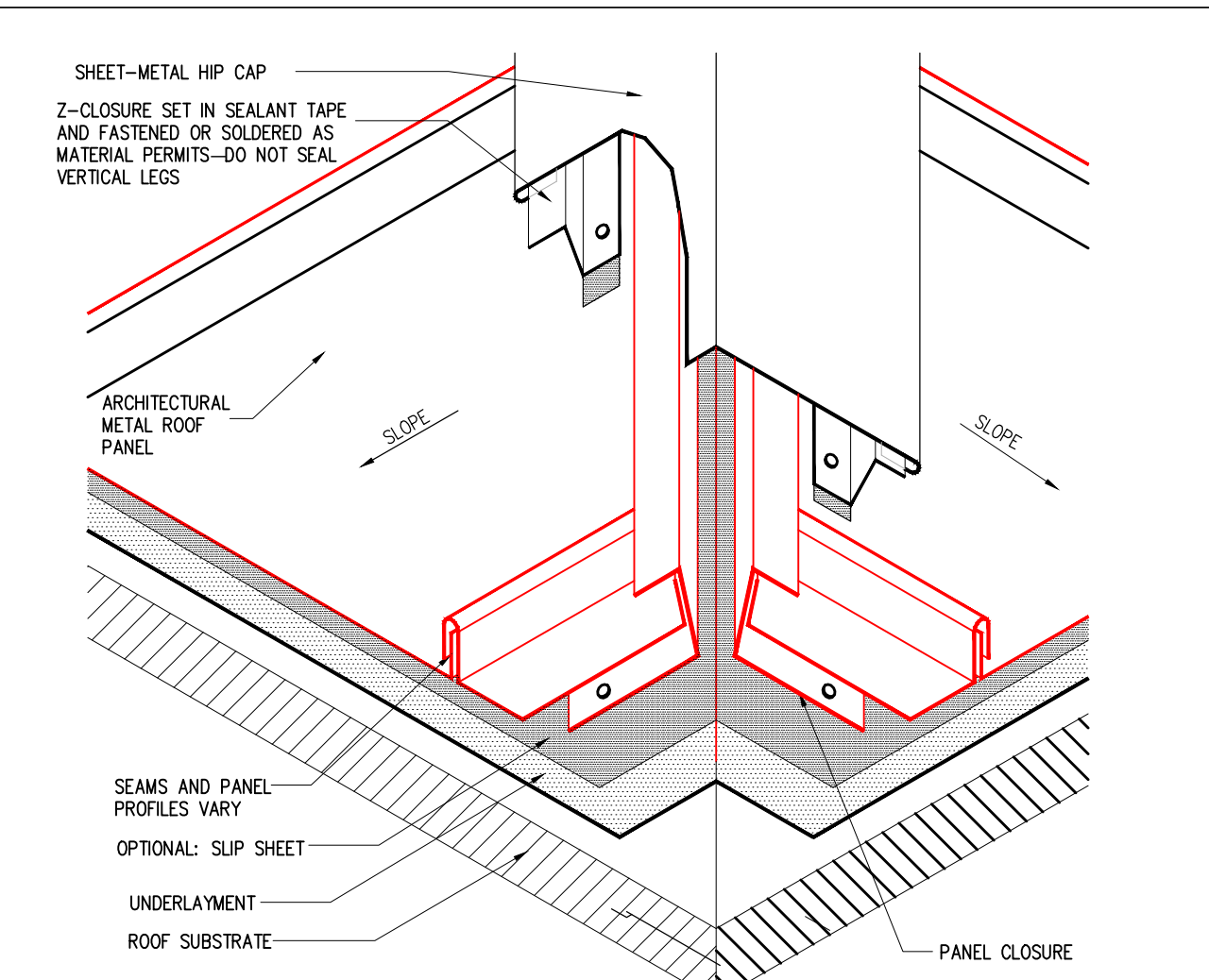
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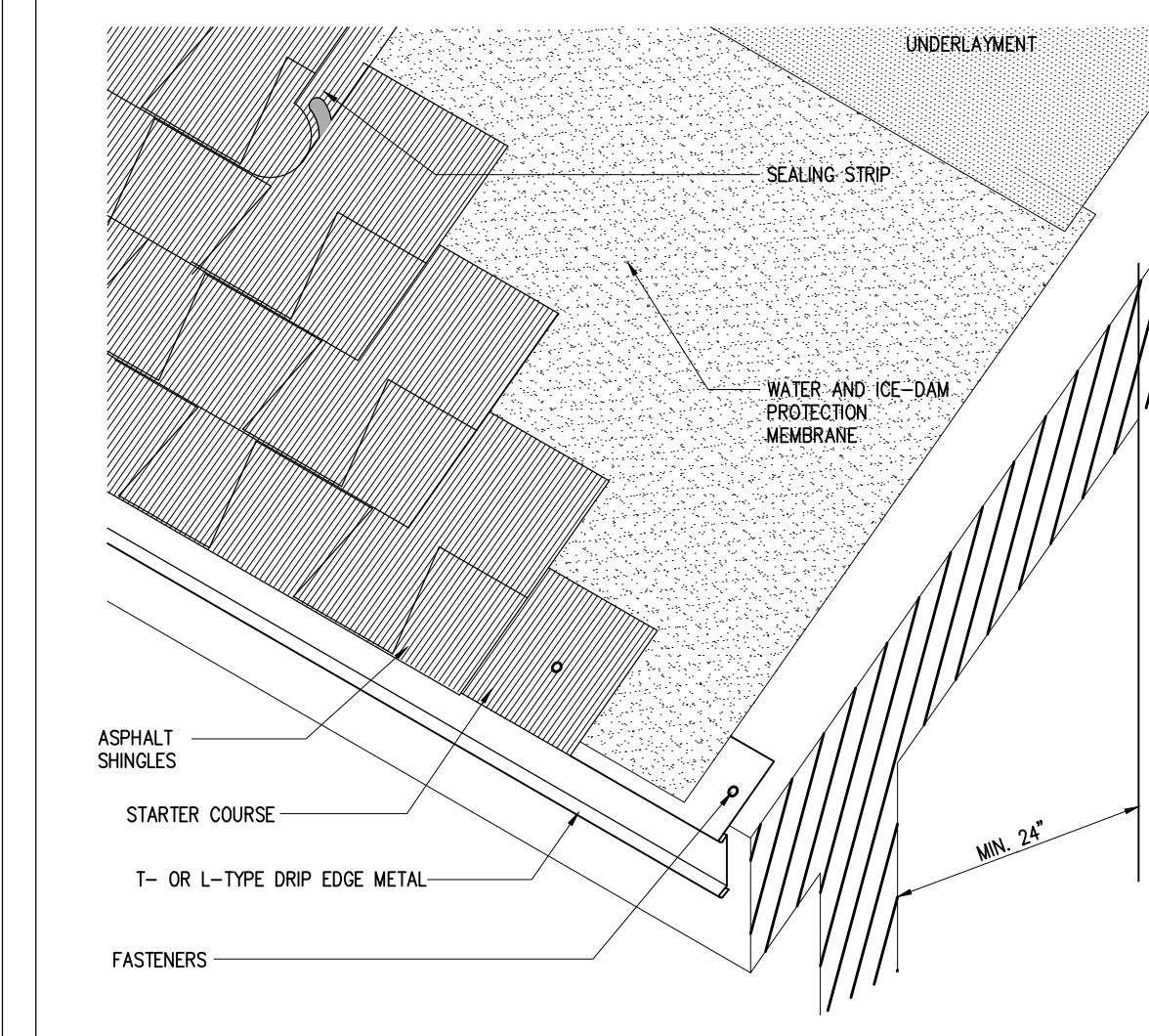
1 METAL ROOF EAVE DETAIL SCALE: N.T.S



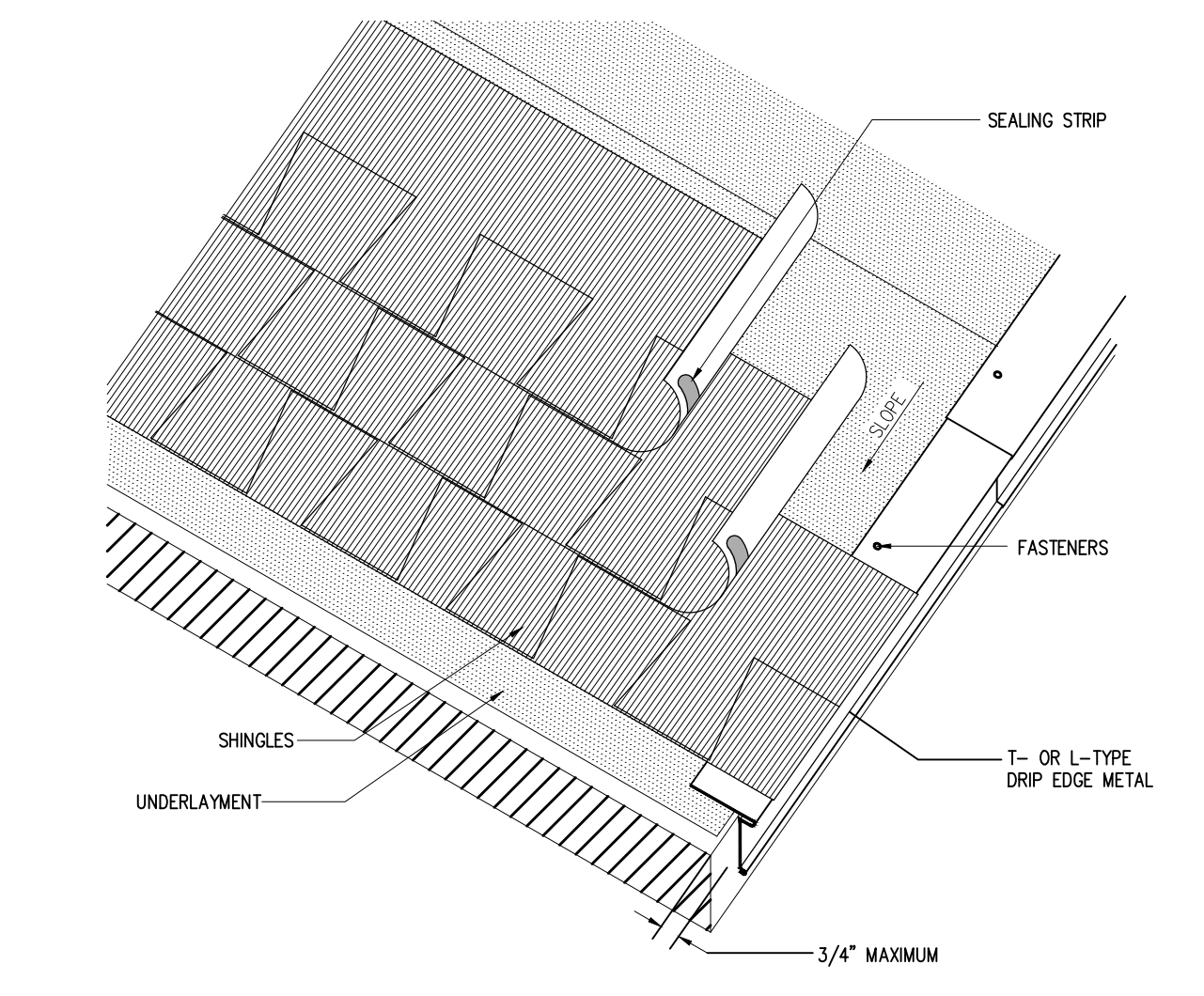
2 METAL ROOF RAKE DETAIL SCALE: N.T.S



3 METAL ROOF HIP / RIDGE DETAIL SCALE: N.T.S



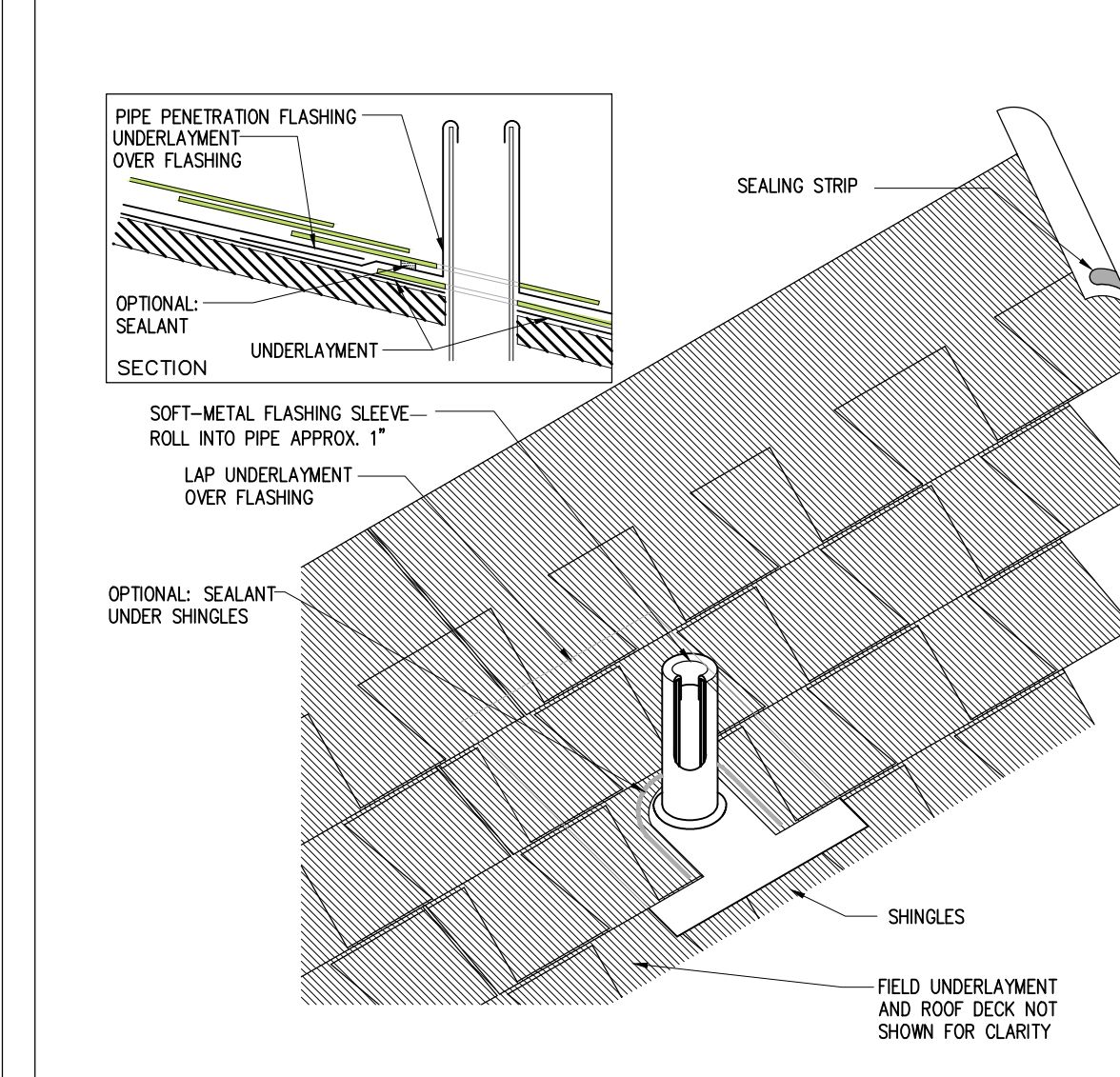
4 SHINGLE ROOF EAVE DETAIL SCALE: N.T.S



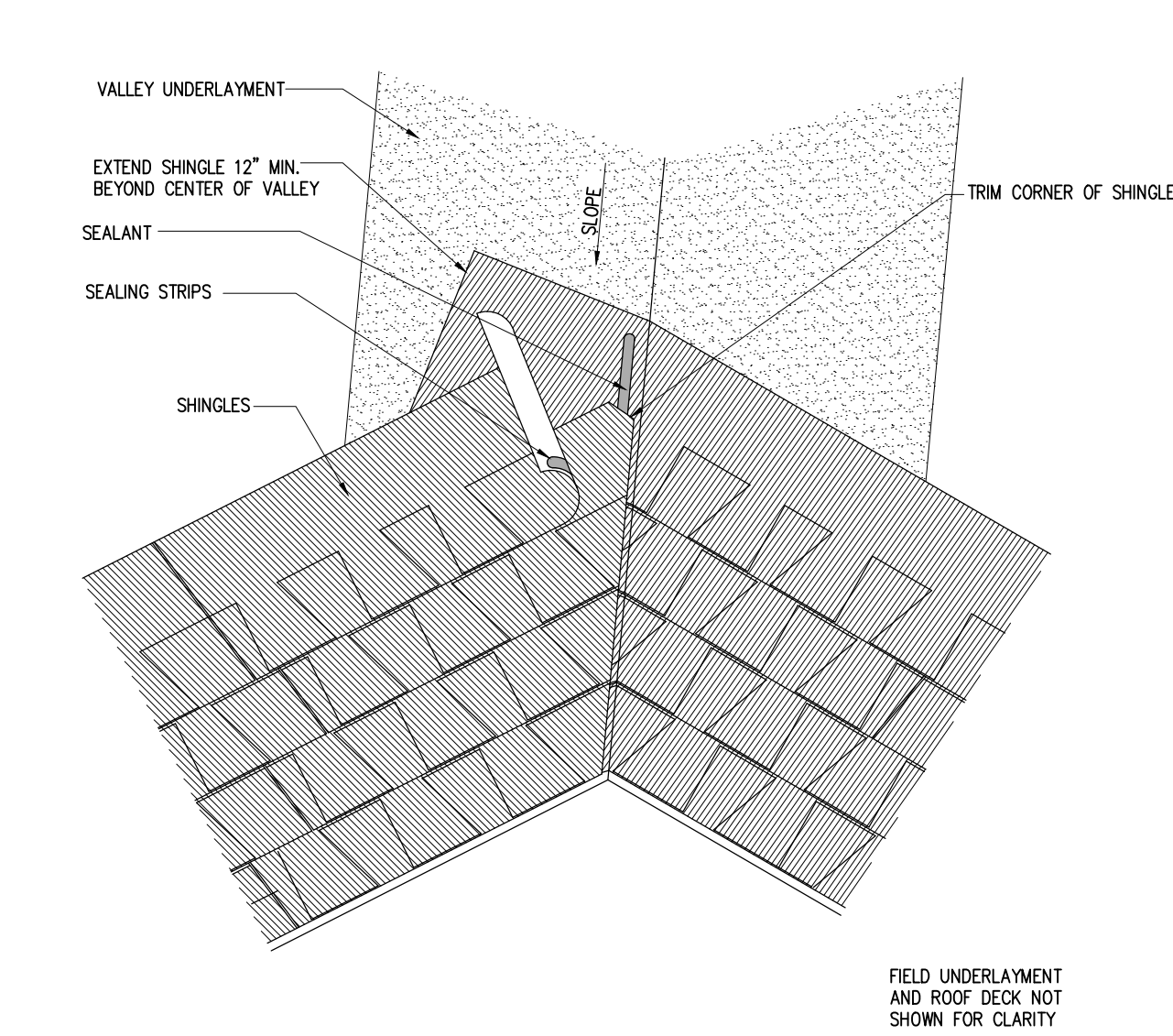
5 SHINGLE ROOF RAKE DETAIL SCALE: N.T.S



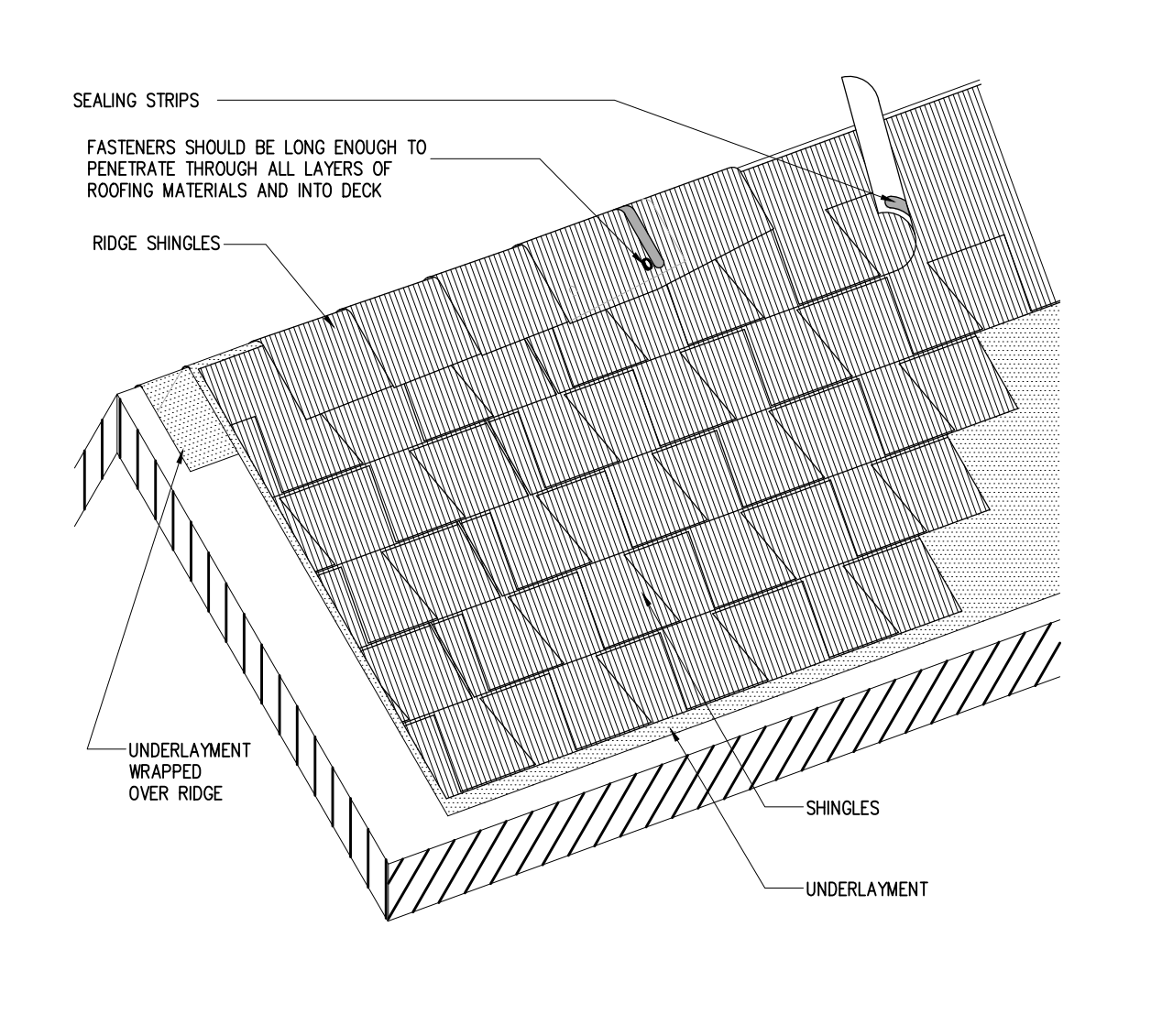
6 SHINGLE ROOF HIP / RIDGE DETAIL SCALE: N.T.S



7 SHINGLE ROOF VENT STACK FLASHING DETAIL SCALE: N.T.S



8 SHINGLE ROOF VALLEY DETAIL SCALE: N.T.S



9 SHINGLE ROOF RIDGE DETAIL SCALE: N.T.S

1. APPLY SHEATHING TO WALL FRAMING AS SHOWN ON STRUCTURAL DRAWINGS

2. ATTACH 9" WIDE SELF-ADHERING RUBBERIZED FLASHING WITH THE TOP EDGE EVEN WITH THE TOP EDGE OF THE SILL. FLASHING TO EXTEND 12" BEYOND EACH JAMB MINIMUM. ATTACH WITH GALVANIZED ROOFING NAILS TO THE TOP EDGE ONLY LEAVING BOTTOM LOOSE. DO NOT REMOVE BACKING.

3. APPLY 9" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE TO EACH JAMB. START AT THE BOTTOM OF THE SILL FLASHING AND EXTEND 6" ABOVE WINDOW HEAD.

4. APPLY 9" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE OVER FLANGE AT HEAD. EXTEND 12" BEYOND EACH JAMB.

5. SET THE WINDOW AS PER THE WINDOW MANUFACTURES RECOMMENDATIONS.

6. APPLY 6" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE OVER FLANGE AT SILL. EXTEND TO END OF SILL FLASHING.

7. APPLY 6" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE OVER FLANGE AT JAMBS. START 6" BELOW SILL AND EXTEND UP TO 6" ABOVE WINDOW FLANGE AT HEAD.

8. APPLY 6" SELF-ADHERING RUBBERIZED ASPHALT FLASHING TAPE OVER FLANGE AT HEAD AND EXTEND 12" BEYOND EACH JAMB.

9. INSTALL GALVANIZED 2" FLASHING AT WINDOW HEAD AND EXTEND TO BE THE LENGTH OF THE HEAD TRIM.

10. INSTALL BUILDING PAPER STARTING FROM THE BASE OF THE BUILDING. INSTALL SHINGLE FASHION WITH MINIMUM 4" VERTICAL OVERLAPS AND 6" HORIZONTAL OVERLAPS. ATTACH BUILDING PAPER TO WOOD FRAME WITH GALVANIZED STAPLES. INSTALL BUILDING PAPER UNDER THE SILL FLAP SHOWN IN STEP TWO. BUILDING PAPER TO OVERLAP ALL WINDOW FLANGES AND GALVANIZED 2" FLASHING AT ALL WINDOWS.

11. SLIP BOTTOM OF JAMB AND SILL FLASHING OUT OVER THE BUILDING PAPER.

12. TAPE OVER ANY CUTS OR HOLES IN THE BUILDING PAPER

13. PROVIDE SEALANT END DAMS AT THE END DAMS AT THE ENDS OF THE 2" FLASHING TO SLOPE AWAY FROM BUILDING
REFER ALSO TO DOOR/ WINDOW DETAILS.

SPECIFICATION NOTES:

WATERPROOFING SPECIFICATIONS:
BUILDING PAPER – MEETING THE FOLLOWING REQUIREMENTS:
FEDERAL SPECIFICATION UU-B-790A GRADE D ASTM E-16 77. TYPE 1

WALL/ DOOR/ ROOF METAL FLASHING – 26 GAUGE GALVANIZED PAINT GRIP STEEL.
G90 GALVANIZING WITH MIN. 125 OZ/SQ. FT. COATING

GALVANIZED 2" FLASHING – 26 GAUGE GALVANIZED STEEL.
G90 GALVANIZING WITH MIN. 1525 OZ/SQ. FT. COATING

THRU WALL FLASHING TO BE POLYETHYLENE FLASHING

OSB PRIMER – AQUATECH BY FORTIFIBER OR APPROVED EQUAL – PRIME ALL SURFACES PRIOR TO APPLYING WINDOW WRAP OR MEMBRANES

6" & 9" SELF ADHERING RUBBERIZED ASPHALT FLASHING TAPE – (WINDOW WRAP) MIN. 25 MIL THICKNESS MEETING THE FOLLOWING REQUIREMENTS.
FEDERAL SPECIFICATION UU-B-790A TYPE 1, GRADE A STYLE 4

SEALANT FOR DISSIMILAR MATERIAL JOINTS – SONNEBORN NPI, POLYURETHANE SEALANT OR EQUAL

SEALANT FOR WOOD TO WOOD JOINTS – ACRYLIC SEALANT

SEALANT UNDER DOOR THRESHOLDS – NON-CURING BUTYL SEALANT
SEALANT ALL SEALANT BEADS AND FILLETS TO BE CONTINUOUS

ALL METAL FLASHING ARE TO HAVE ALL OVERLAPS SEALED WITH NON-CURING BUTYL SEALANT
HORIZONTAL SHEET WATERPROOF MEMBRANE – MINIMUM 60 MIL. RUBBERIZED ASPHALT MEMBRANE INTEGRALLY BONDED TO POLYETHYLENE FILM

10 TYP. WINDOW FLASHING DETAILS SCALE: 1/2"=1'-0"

Sang-Yub Lee
Digitally signed by Sang-Yub Lee
Date: 2024.08.12 13:59:14 -04'00'

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HOLLY SPRINGS, NC 27540

SEGDDesign
—ARCHITECTURAL ENGINEERING—

WAM
ARCHITECTURE DESIGN AND CONSULTING LLC

CONSULTANTS

PROJECT INFO

CUSTOM

3291 SW CUSTOM MADE

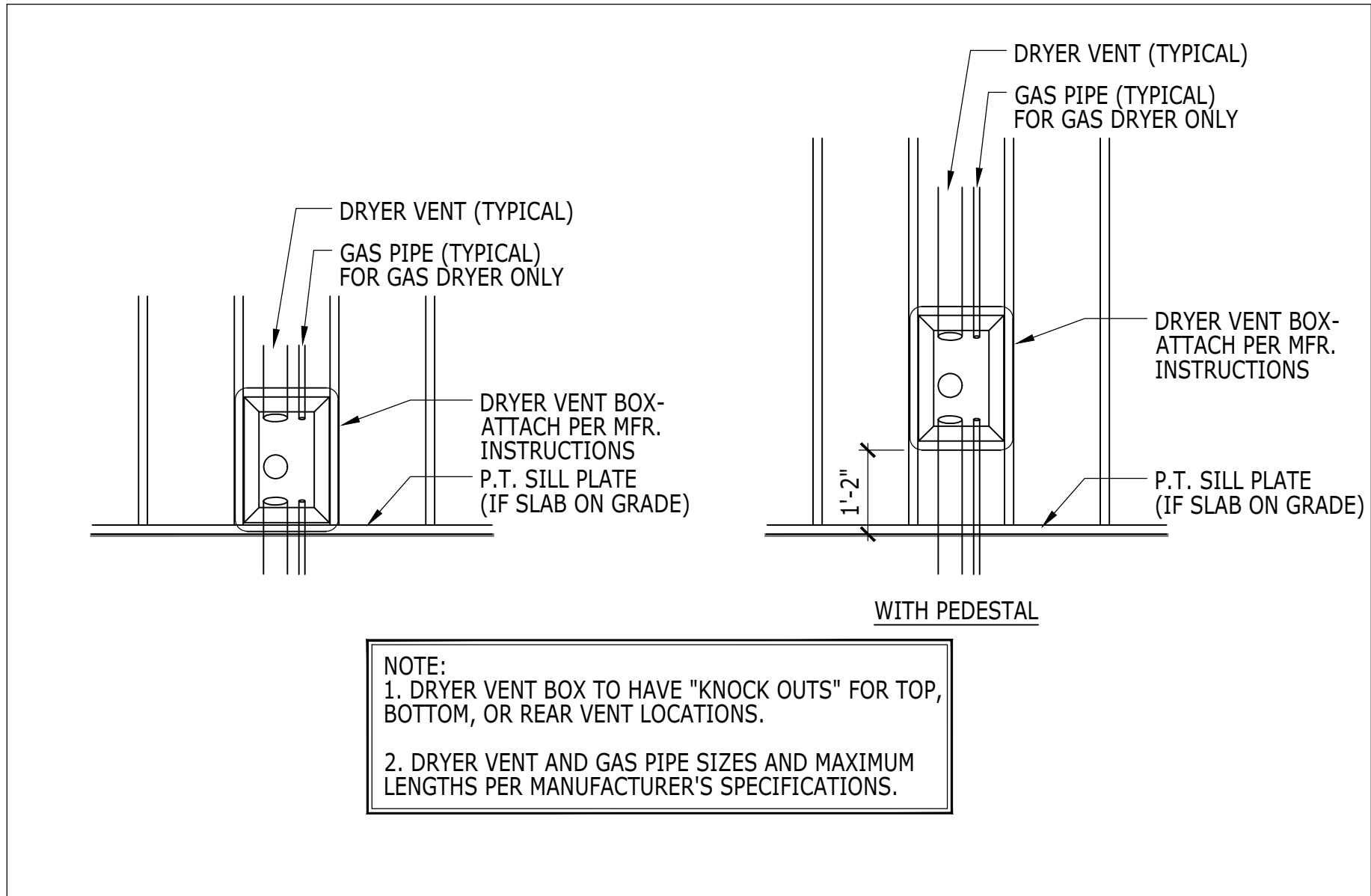
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DETAILS

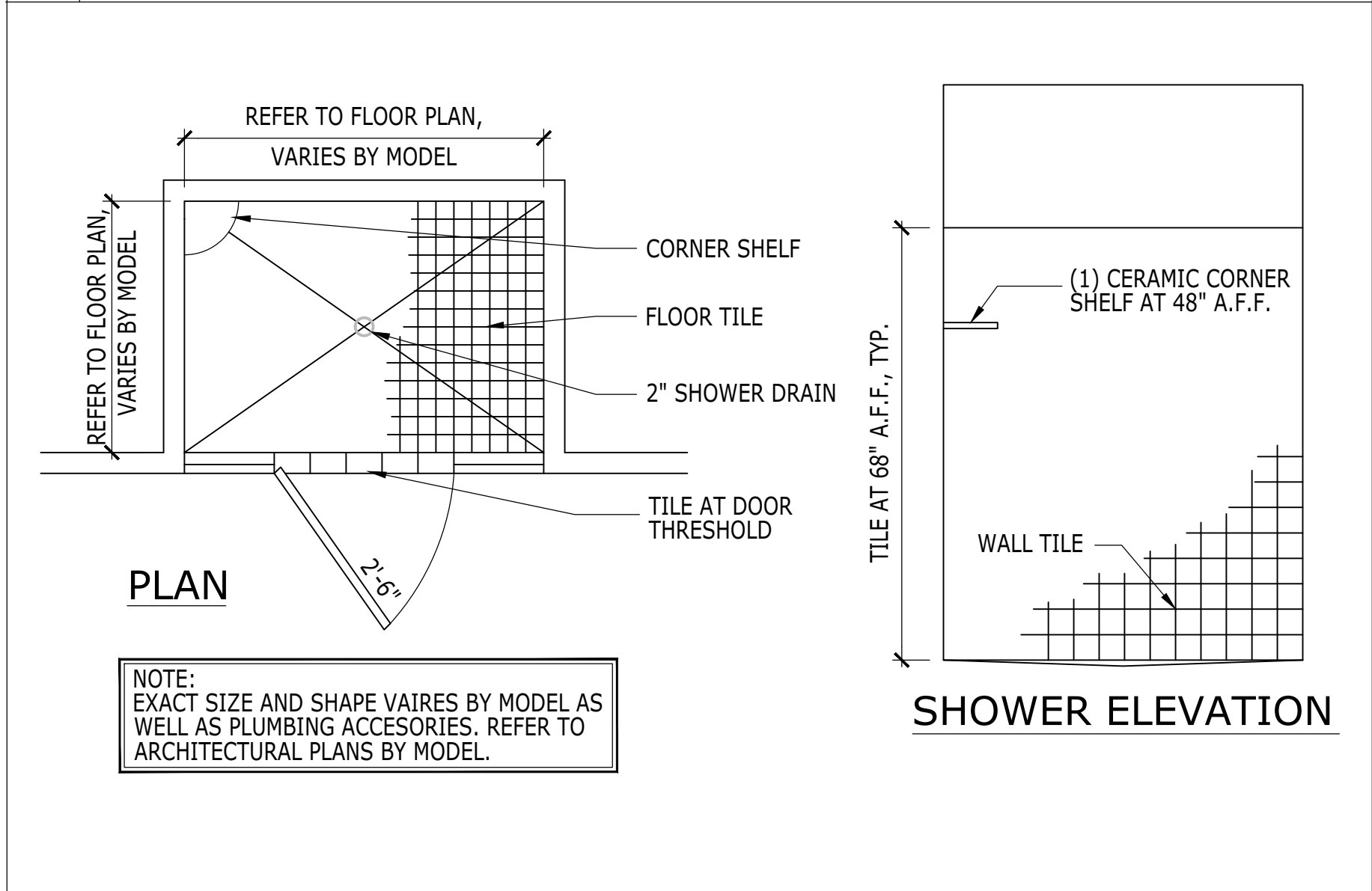
REVISIONS		
MARK	DATE	DESCRIPTION

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DRAWN BY: AS _____
CHK'D BY: WAM _____
DATE: _____
SHEET NO. _____

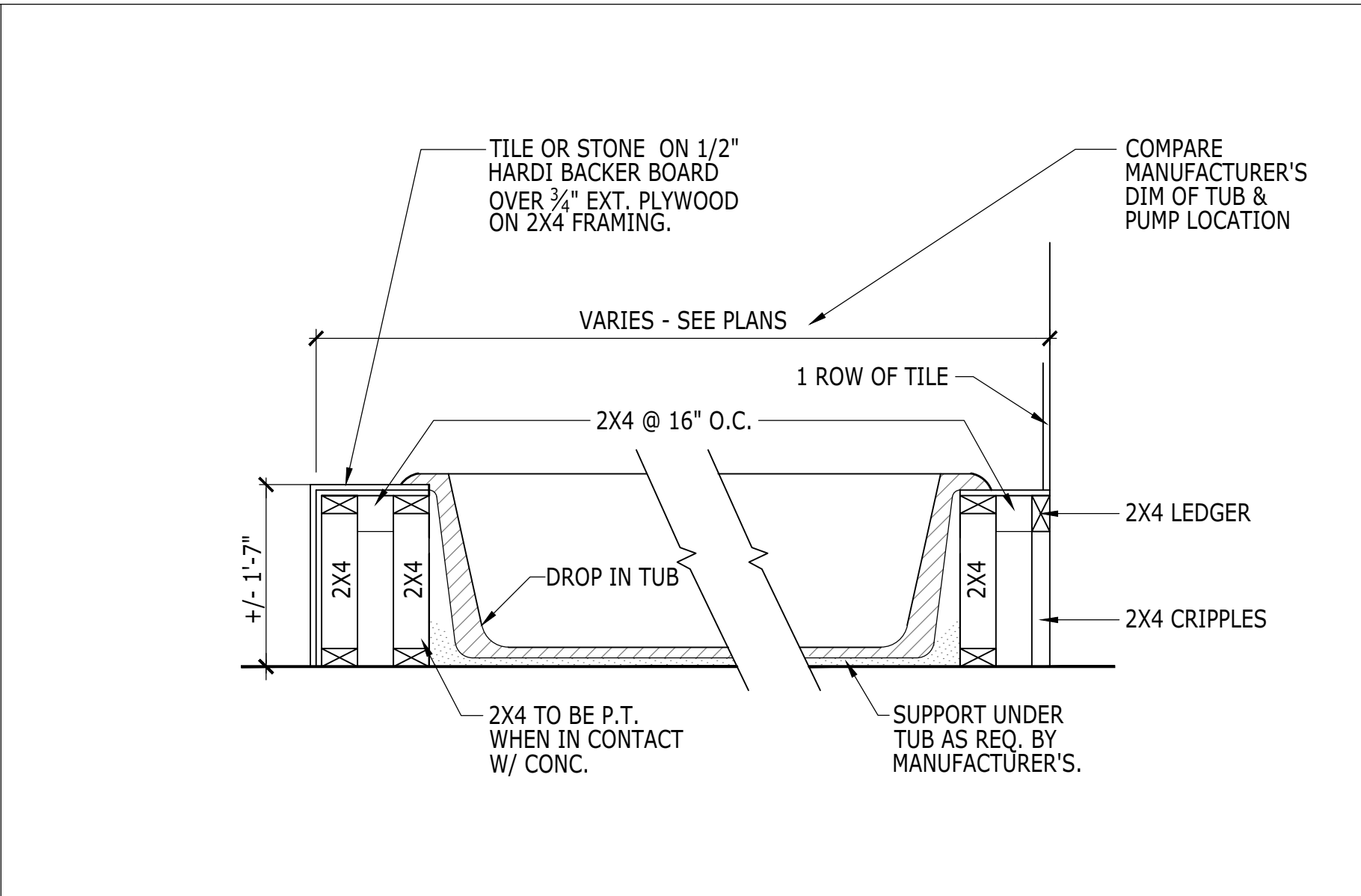
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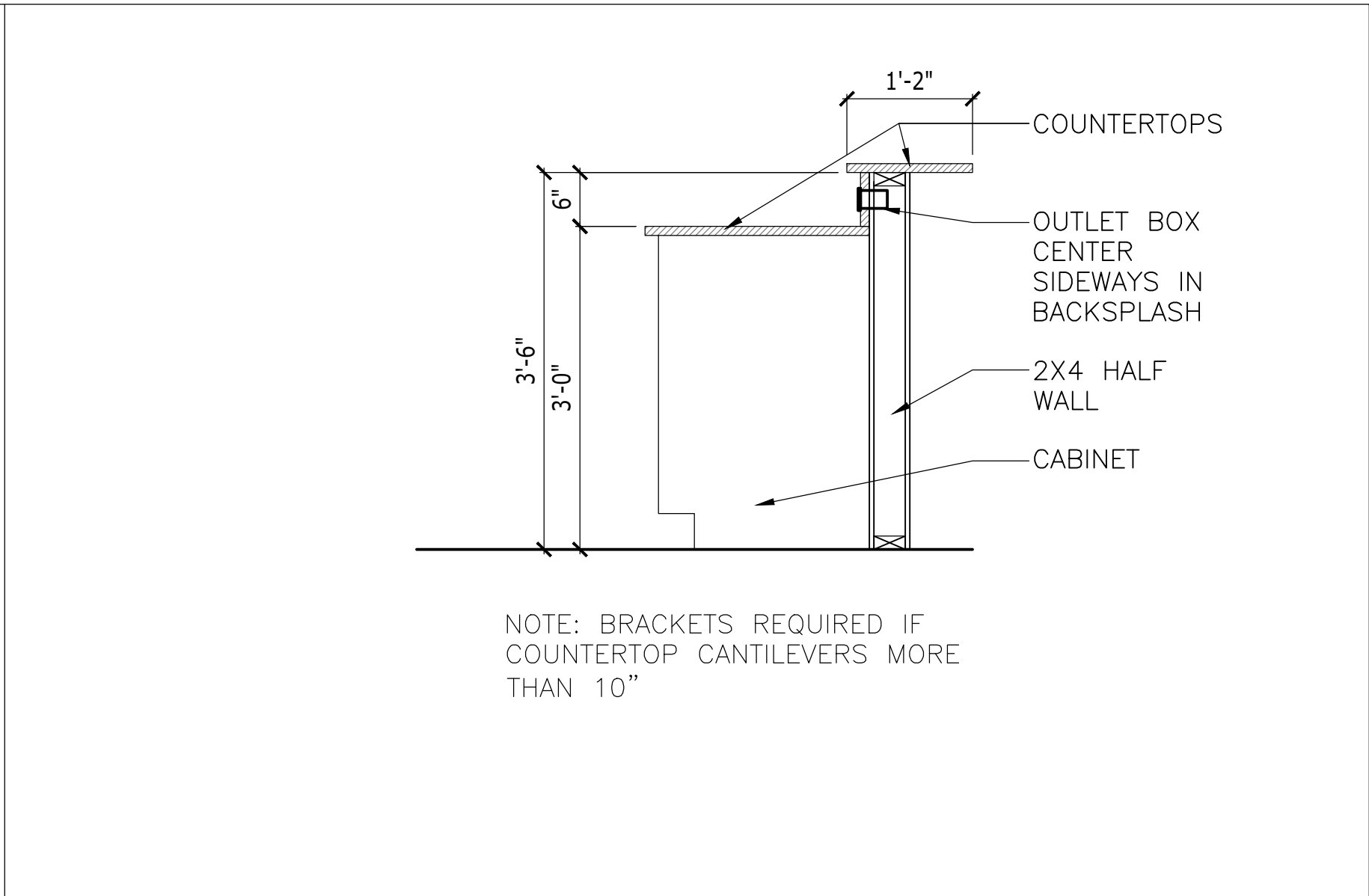
1 DRYER VENT BOX FOR DRYER ONLY SCALE: 1/2"=1'-0"



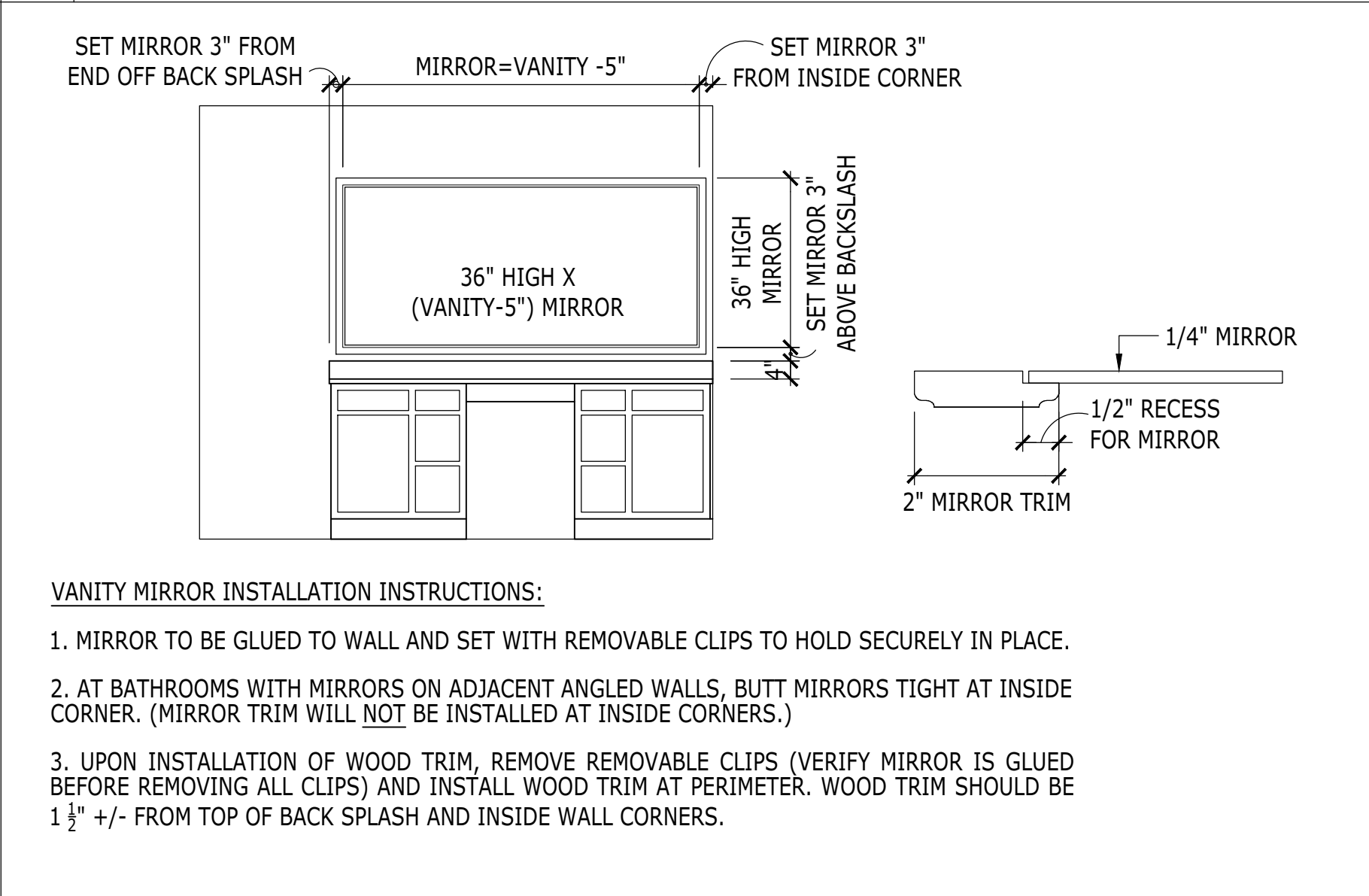
5 STANDARD SHOWER SHELF LOCATION SCALE: 1/2"=1'-0"



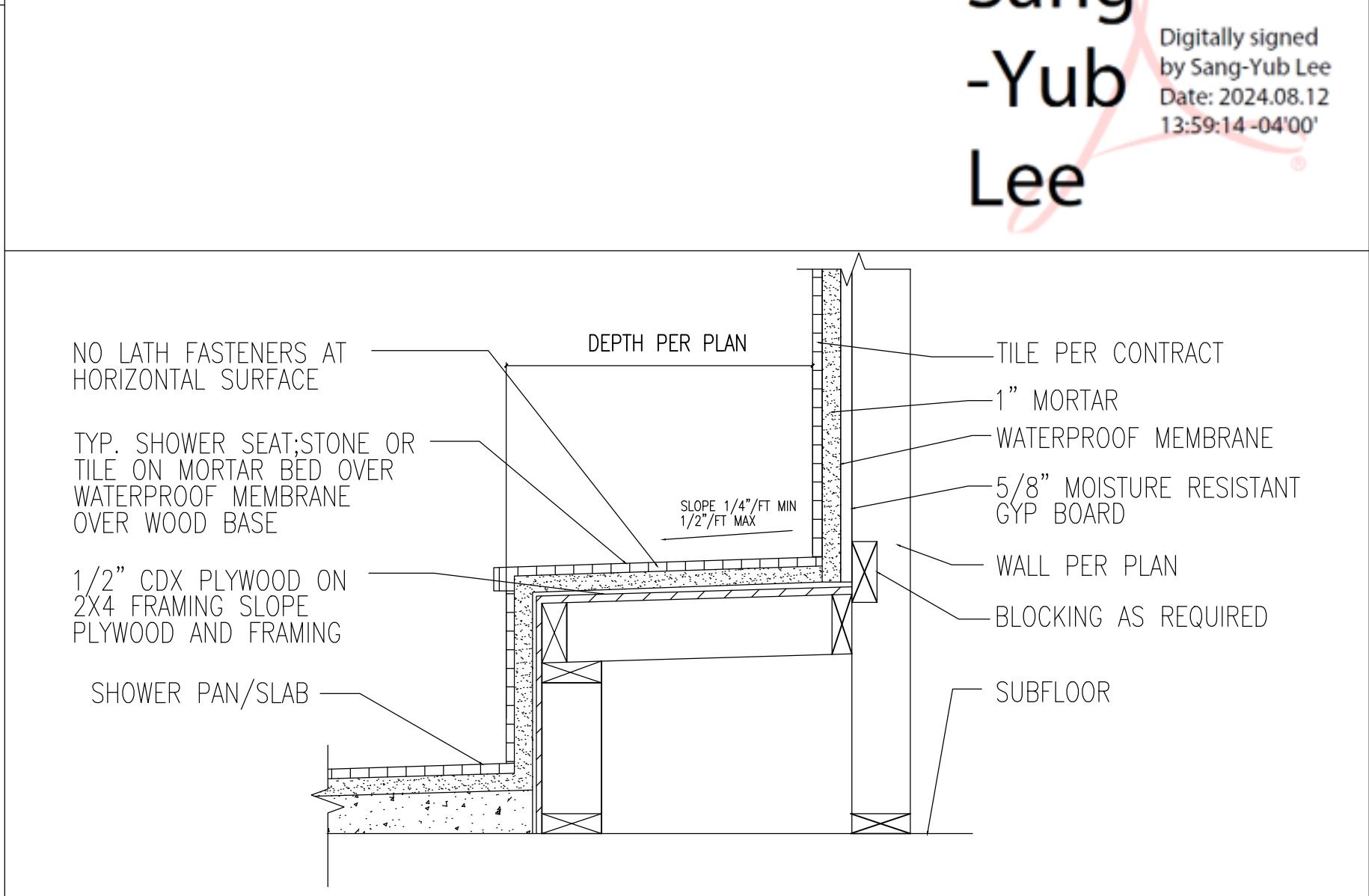
2 DROP IN TUB DETAIL SCALE: 3/4"=1'-0"



3 KITCHEN HALF WALL DETAIL SCALE: 1/2"=1'-0"



6 MASTER BATH MIRROR WOOD TRIM DETAIL SCALE: 1/2"=1'-0"



12 SHOWER BENCH SCALE: N.T.S.

SEAL

SANG-YUB LEE #72328
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305 ADDISON POND DRIVE
HOLLY SPRINGS, NC 27540

CONSULTANTS

PROJECT INFO

CUSTOM

3291 SW CUSTOM
MADE

SHEET TITLE

DETAILS

REVISIONS		
MARK	DATE	DESCRIPTION

PARCEL ID:
ADDRESS:
LOT #:
DRAWN BY: AS
CHK'D BY: WAM
DATE:
SHEET NO.

D6

Sang-Yub Lee

Digitally signed by Sang-Yub Lee
Date: 2024.08.12 13:59:14 -04'00'