

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



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

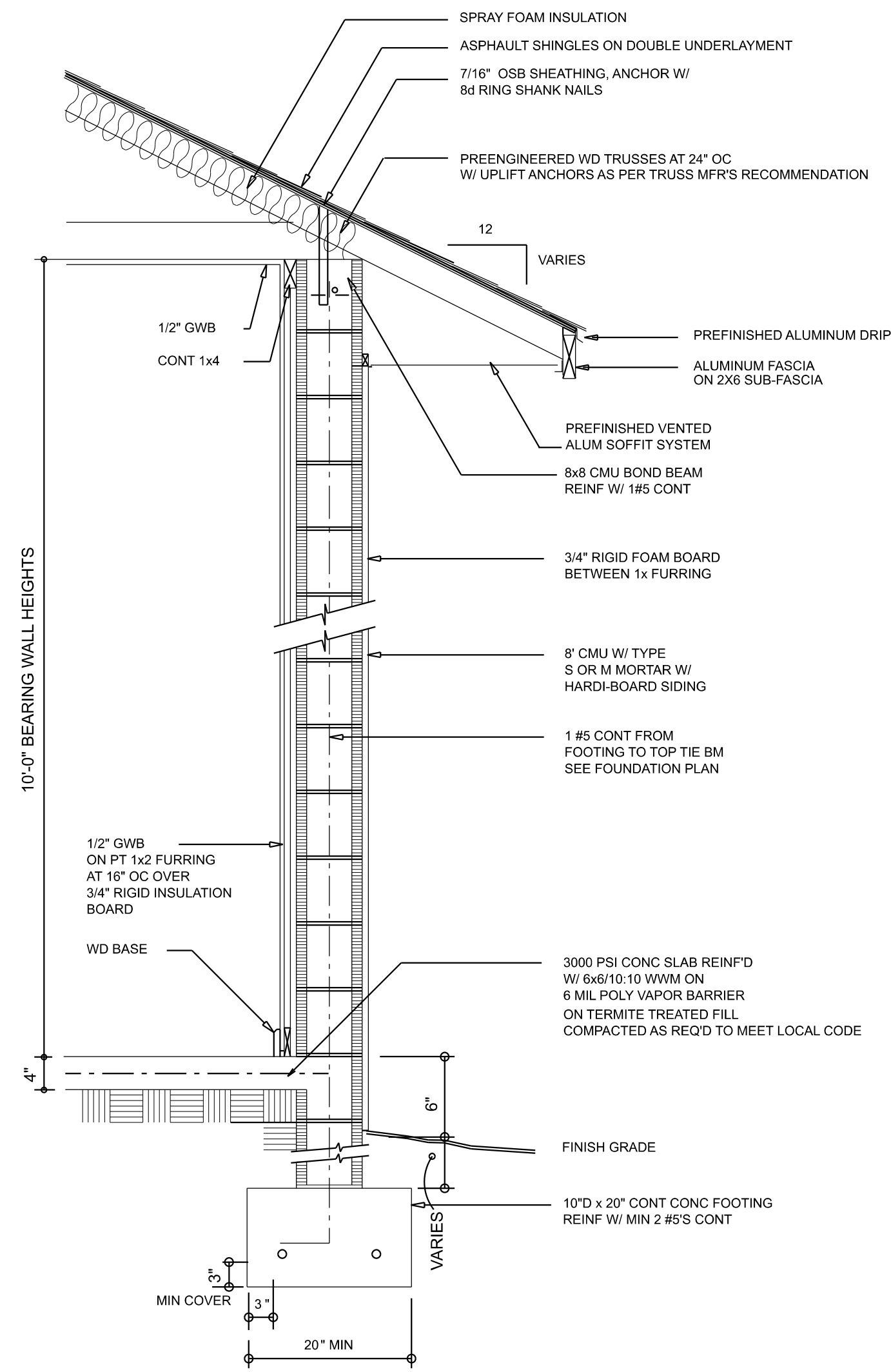
REVISIONS SCHEDULE	
PROPOSAL	Dec. 27th, 2023
REVISIONS	Apr. 2nd, 2024



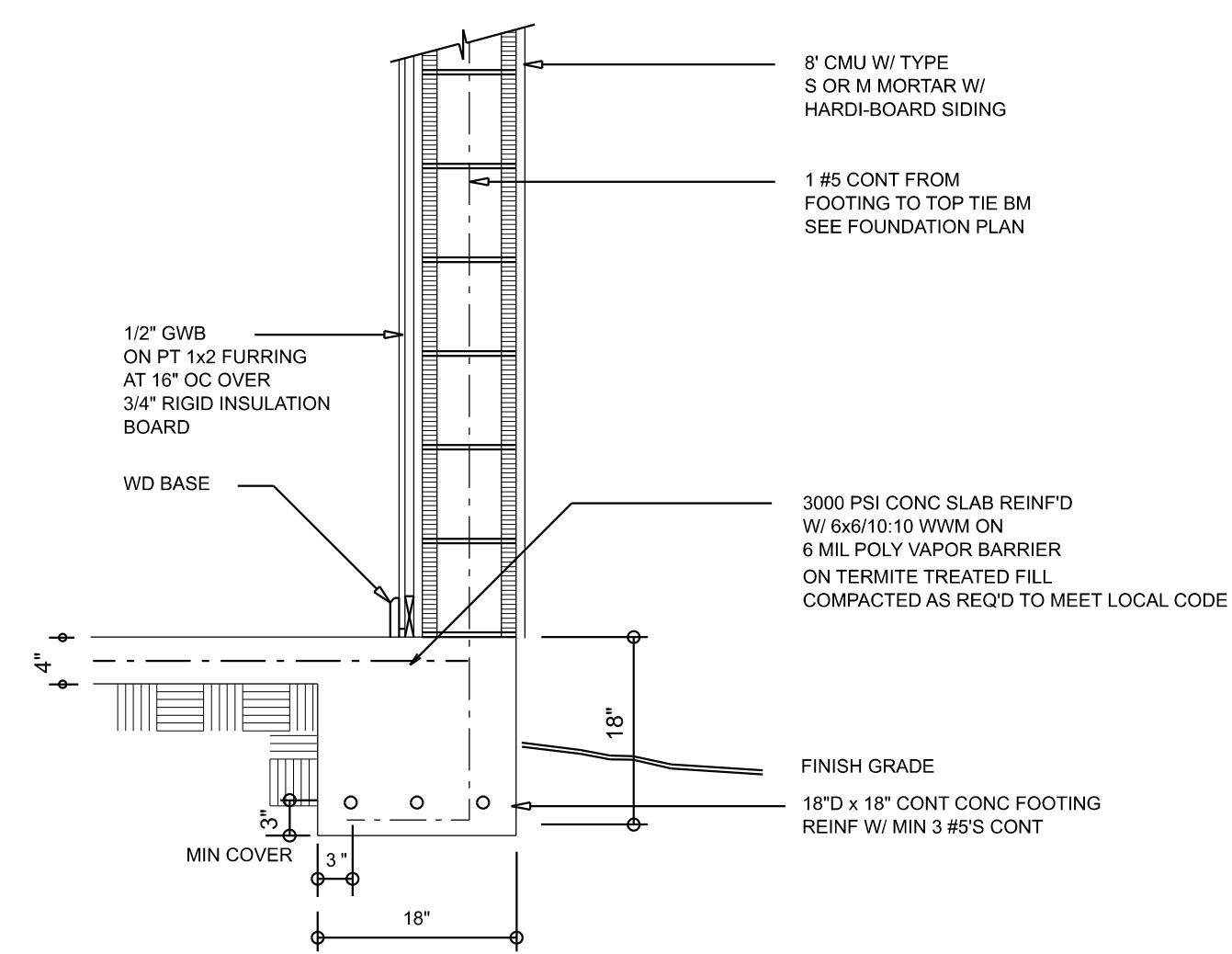
CUSTOM HOME FOR:
TAYLOR & FABRICIO GARCIA
Columbia County, FL

RIDGEPOINT DESIGN
566 SW ARLINGTON BLVD STE 101, LAKE CITY, FL 32025
P: 385-288-1188
E: RIDGEPOINTDESIGN@GMAIL.COM

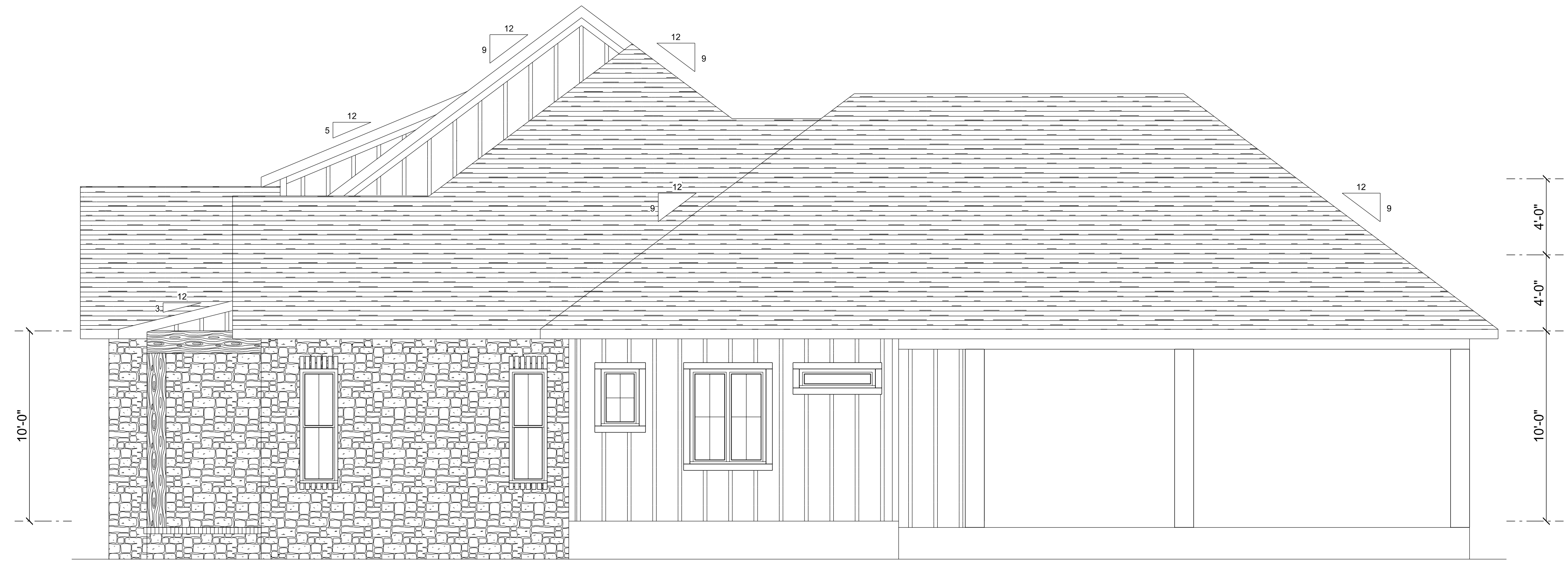
SHEET NUMBER
A.1
OF 4 SHEETS



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



ALT. WALL SECTION
3/4" = 1'-0"



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



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

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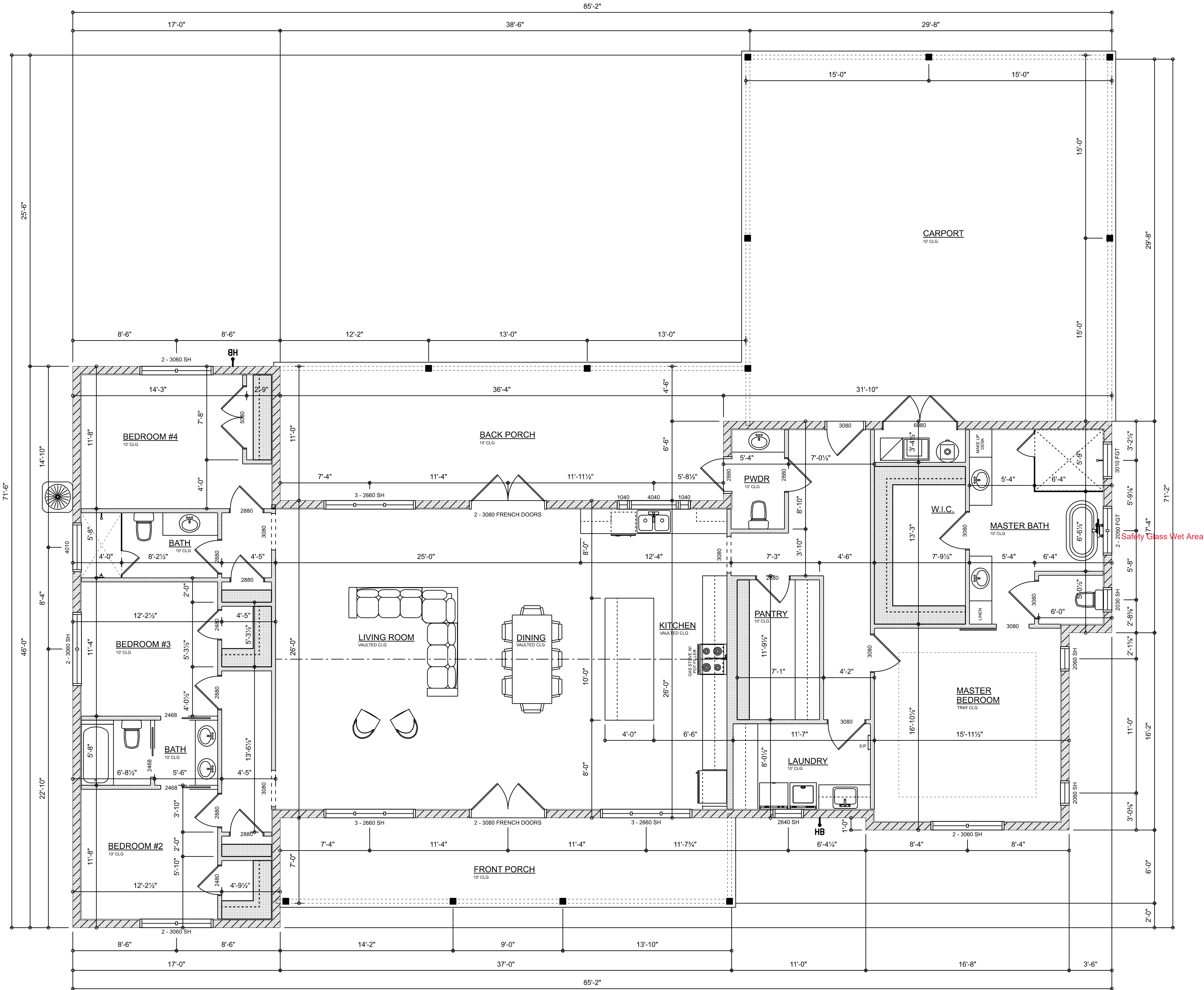
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AREA SUMMARY

LIVING	2,725	S.F.
ENTRY PORCH	259	S.F.
REAR PORCH	408	S.F.
CARPORT	900	S.F.
TOTAL UNDER ROOF	4,292	S.F.



DIMENSIONED FLOOR PLAN
SCALE: 1/4" = 1'-0"

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SHEET NUMBER
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ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
CEILING FAN	7	
CAN LIGHT 6inch	49	
CHANDELIER	1	
LED CEILING LIGHT 1x4	6	
PENDANT LIGHT	3	
MOTION SECURITY LIGHT	4	
ELECTRIC PANEL	1	
AC DISCONNECT	2	
CARBON DETECTOR	3	
EXHAUST FAN	4	
OUTLET	36	
OUTLET 220v	3	
OUTLET GFI	19	
OUTLET WP	7	
SMOKE DETECTOR	7	
STANDARD LIGHT	2	
SWITCH	35	
SWITCH 3 WAY	24	
VANITY BAR LIGHT - SMALL	6	
CABLE TV OUTLET	5	
FLOOR OUTLET DUPLEX	2	

ELECTRICAL PLAN NOTES:

INSTALLATION SHALL BE PER LATEST NAT'L. ELECTRIC CODE.

WIRE ALL APPLIANCES, HVAC UNITS AND OTHER EQUIPMENT PER MANUF. SPECIFICATIONS

CONSULT WITH THE OWNER FOR THE NUMBER OF SEPERATE TELEPHONE LINES TO BE INSTALLED

ALL SMOKE DETECTORS SHALL BE 120V W/ BATTERY BACKUP OF THE PHOTOELECTRIC TYPE, AND SHALL BE INTERLOCKED TOGETHER, INSTALL INSIDE AND NEAR ALL BEDROOMS

TELEPHONE, TELEVISION AND OTHER LOW VOLTAGE DEVICES OR OUTLETS SHALL BE AS PER THE OWNER'S DIRECTIONS, & IN ACCORDANCE W/ APPLICABLE SECTIONS OF NEC-LATEST EDITION.

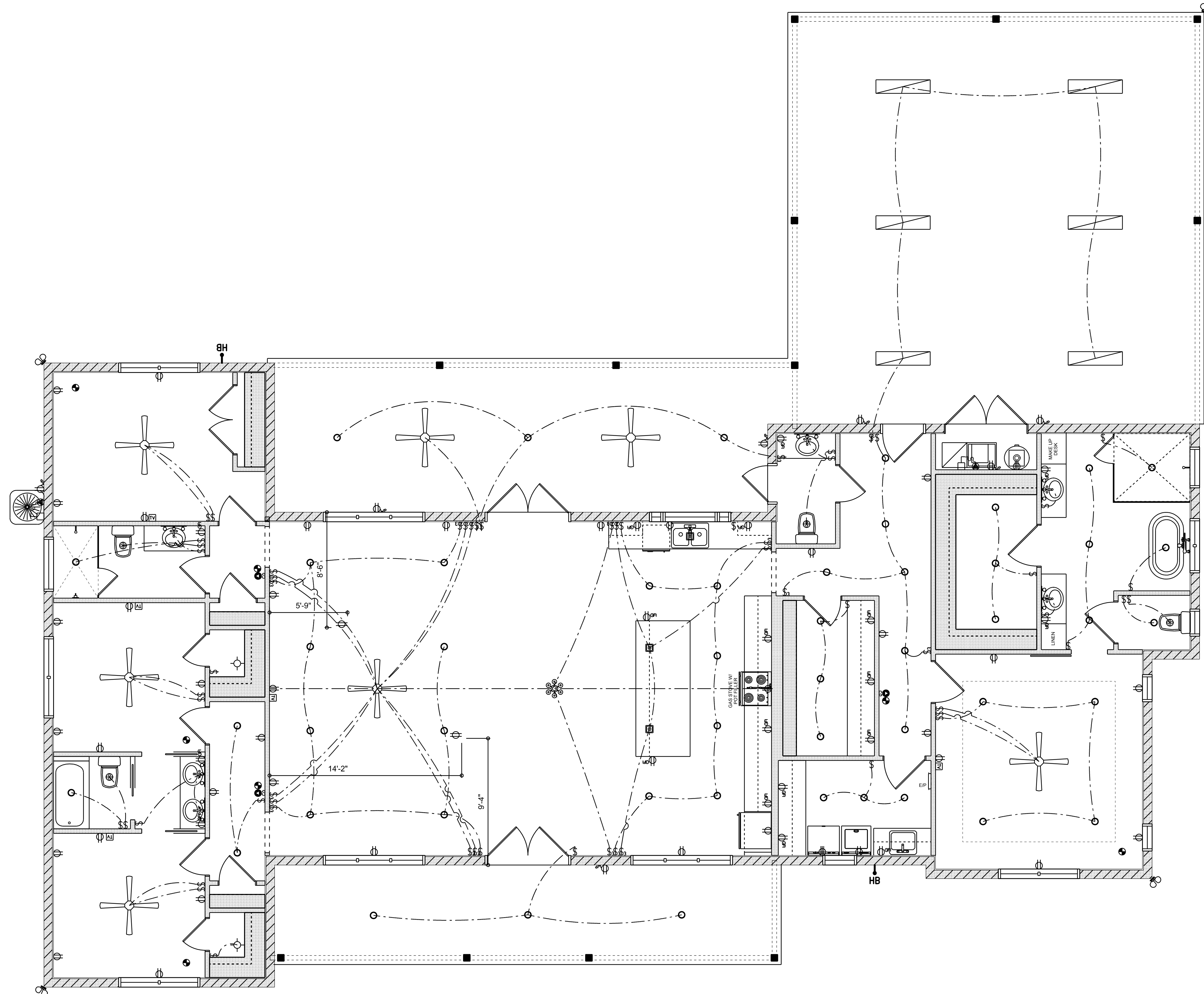
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N°, DESCRIPTION & BRKR, SERVICE ENT, & ALL UNDERGROUND WIRE

LOCATIONS/ROUTING / DEPTH, RISER DIA, SHALL INCLUDE WIRE SIZES/TYPER & EQUIPMENT TYPE W/ RATINGS & LOADS.

CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY ALL RECEPTICALS, NOT OTHERWISE NOTED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS

ALL RECEPTICALS IN WET AREAS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI)

ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI)



DIMENSIONED FLOOR PLAN
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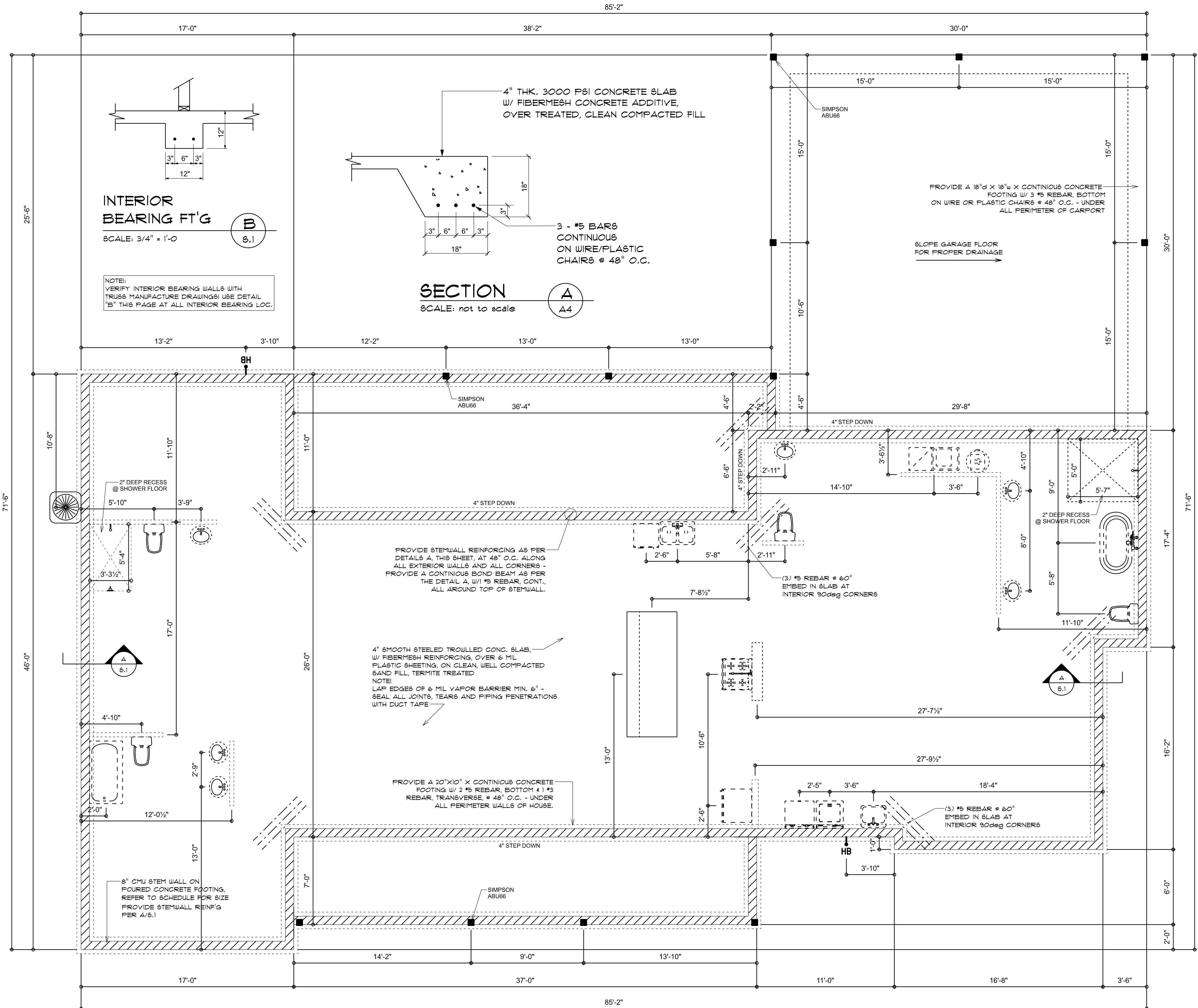
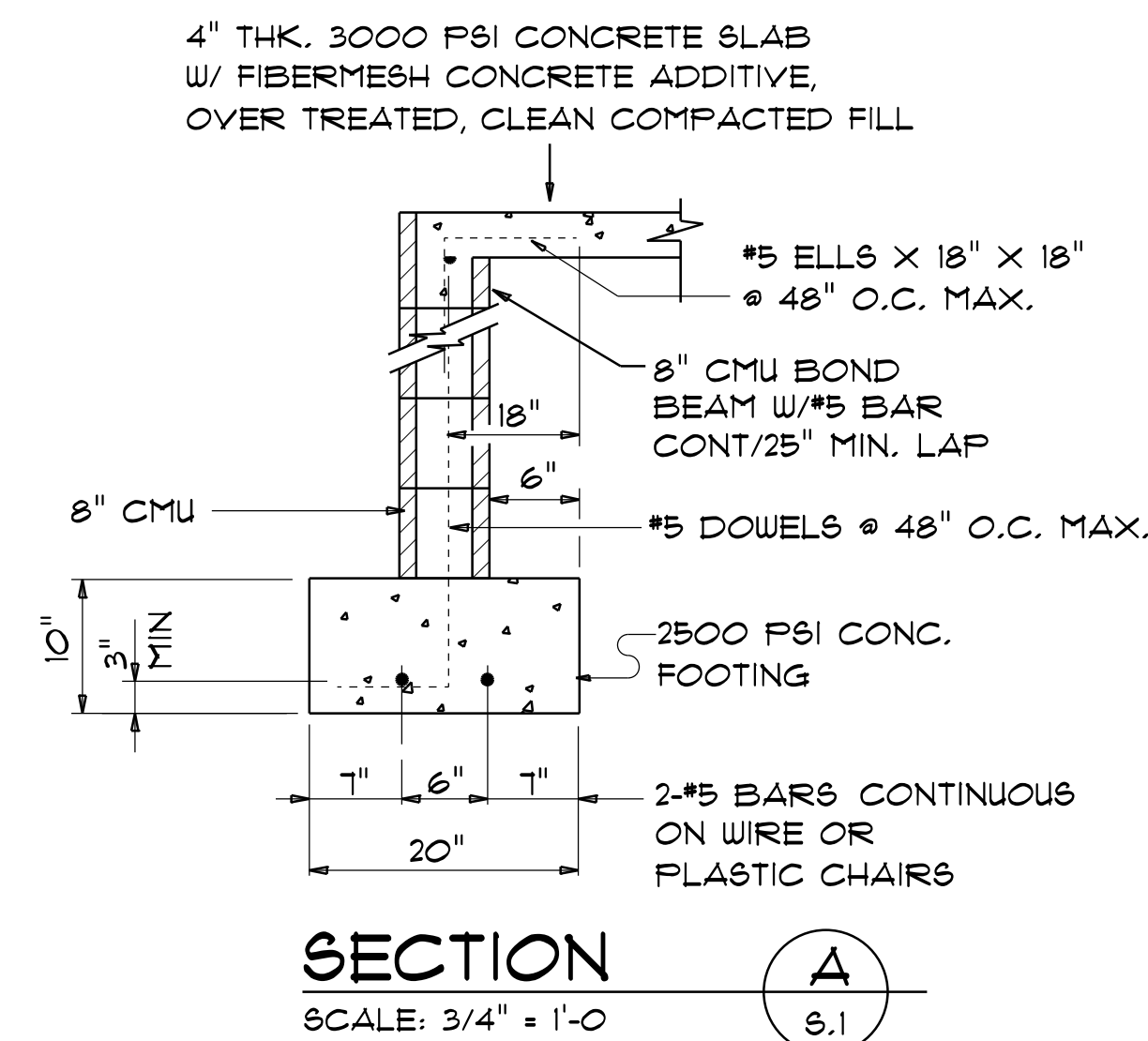
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SHEET NUMBER
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CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1500 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX F'c = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - Fm = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



INTERIOR BEARING FT'G

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

NOTE: VERIFY INTERIOR BEARING WALLS WITH TRUSS MANUFACTURE DRAWINGS USE DETAIL "B" THIS PAGE AT ALL INTERIOR BEARING LOC.

SECTION A-4

SCALE: not to scale

4" THK. 3000 PSI CONCRETE SLAB W/ FIBERMESH CONCRETE ADDITIVE, OVER TREATED, CLEAN COMPACTED FILL

3 - #5 BARS CONTINUOUS ON WIRE/PLASTIC CHAIRS @ 48" O.C.

PROVIDE A 10" x 10" x CONTINUOUS CONCRETE FOOTING W/ 3 #5 REBAR, BOTTOM ON WIRE OR PLASTIC CHAIRS @ 48" O.C. - UNDER ALL PERIMETER OF CARPORT

SLOPE GARAGE FLOOR FOR PROPER DRAINAGE

PROVIDE STEM WALL REINFORCING AS PER DETAILS A, THIS SHEET, AT 48" O.C. ALONG ALL EXTERIOR WALLS AND ALL CORNERS - PROVIDE A CONTINUOUS BOND BEAM AS PER THE DETAIL A, W/ #5 REBAR, CONT. ALL AROUND TOP OF STEM WALL.

4" SMOOTH STEELED TROWLED CONC. SLAB, W/ FIBERMESH REINFORCING, OVER 6 MIL PLASTIC SHEETING, ON CLEAN, WELL COMPACTED SAND FILL, TERMITES TREATED

NOTE: LAP EDGES OF 6 MIL VAPOR BARRIER MIN. 6" - SEAL ALL JOINTS, TEARS AND PIPING PENETRATIONS WITH DUCT TAPE

PROVIDE A 20" x 10" x CONTINUOUS CONCRETE FOOTING W/ 2 #5 REBAR, BOTTOM 1 #5 REBAR, TRANSVERSE, @ 48" O.C. - UNDER ALL PERIMETER WALLS OF HOUSE.

(3) #5 REBAR @ 60" EMBED IN SLAB AT INTERIOR 90deg CORNERS

NOTE: THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1803 AND LOCAL JURISDICTION REQUIREMENTS

NOTE: ADDED FILL SHALL BE APPLIED IN 8" LIFTS - EA. LIFT SHALL BE COMPACTED TO 98% DRY COMPACTION PER THE "MODIFIED PROCTOR" METHOD.

NOTE: PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

NOTE: H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.

REVISIONS
Apr. 2nd, 2024

CUSTOM HOME FOR:
TAYLOR & FABRICIO GARCIA
Columbia County, FL

NICHOLAS PAUL GEISLER ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
N.C.A.R.B. Certified

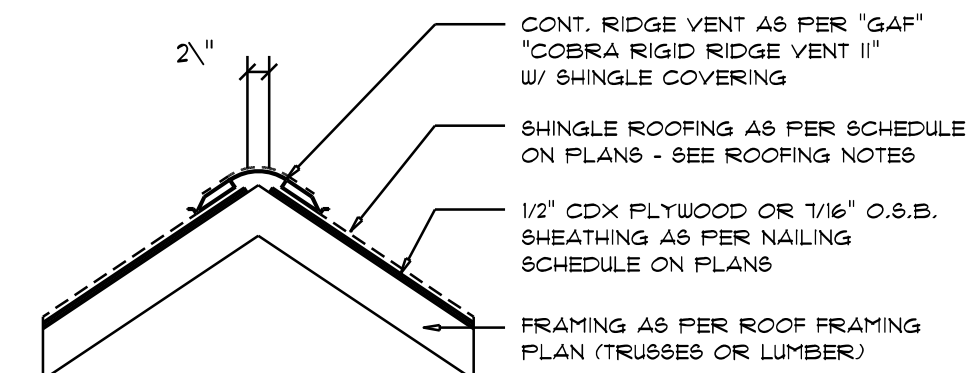
SHEET NUMBER
S.1
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AR0007005

WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES OF THE "TRUSS PLATE INSTITUTE".
- ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN No.2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.

AREA OF ATTIC	REQ'D L.F. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ. IN.
1900 SF	24 LF	490 SQ. IN.
2200 SF	28 LF	570 SQ. IN.
2500 SF	32 LF	650 SQ. IN.
2800 SF	36 LF	730 SQ. IN.
3100 SF	40 LF	810 SQ. IN.
3600 SF	44 LF	900 SQ. IN.

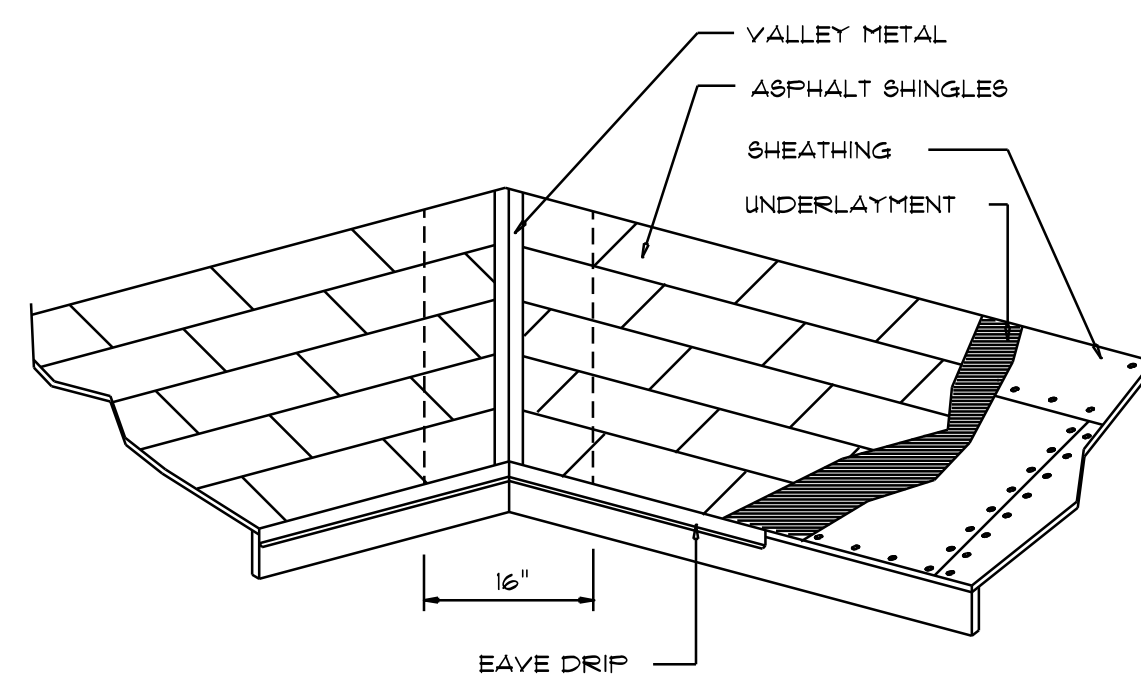


MIAMI/DADE PRODUCT APPROVAL REPORT: #38-0713.05

Ridge Vent DETAIL

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

B



VALLEY FLASHING

ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0178	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS.

SCALE: NONE

A

STANDARD HEADER SCHEDULE

0'-0" UP TO 6'-0" OPENINGS

DOUBLE 2x8 No.#2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON M5TA15 TOP AND 1 - SIMPSON 5PH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 1 FULL HEIGHT STUD EACH SIDE OF OPENING

6'-0" UP TO 9'-0" OPENINGS

DOUBLE 2x12 No.#2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 1 - SIMPSON M5TA24 TOP AND 2 - SIMPSON 5PH4R BOTTOM EACH SIDE OF OPENING WITH 1 - HEADER STUD AND 2 FULL HEIGHT STUDS EACH SIDE OF OPENING

9'-0" UP TO 16'-0" OPENINGS

DOUBLE 2x12 No.#2 SOUTHERN PINE WITH 1/2" OSB SOLID CONTINUOUS SPACER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON M5TA15 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

16'-0" GARAGE DOOR OPENINGS

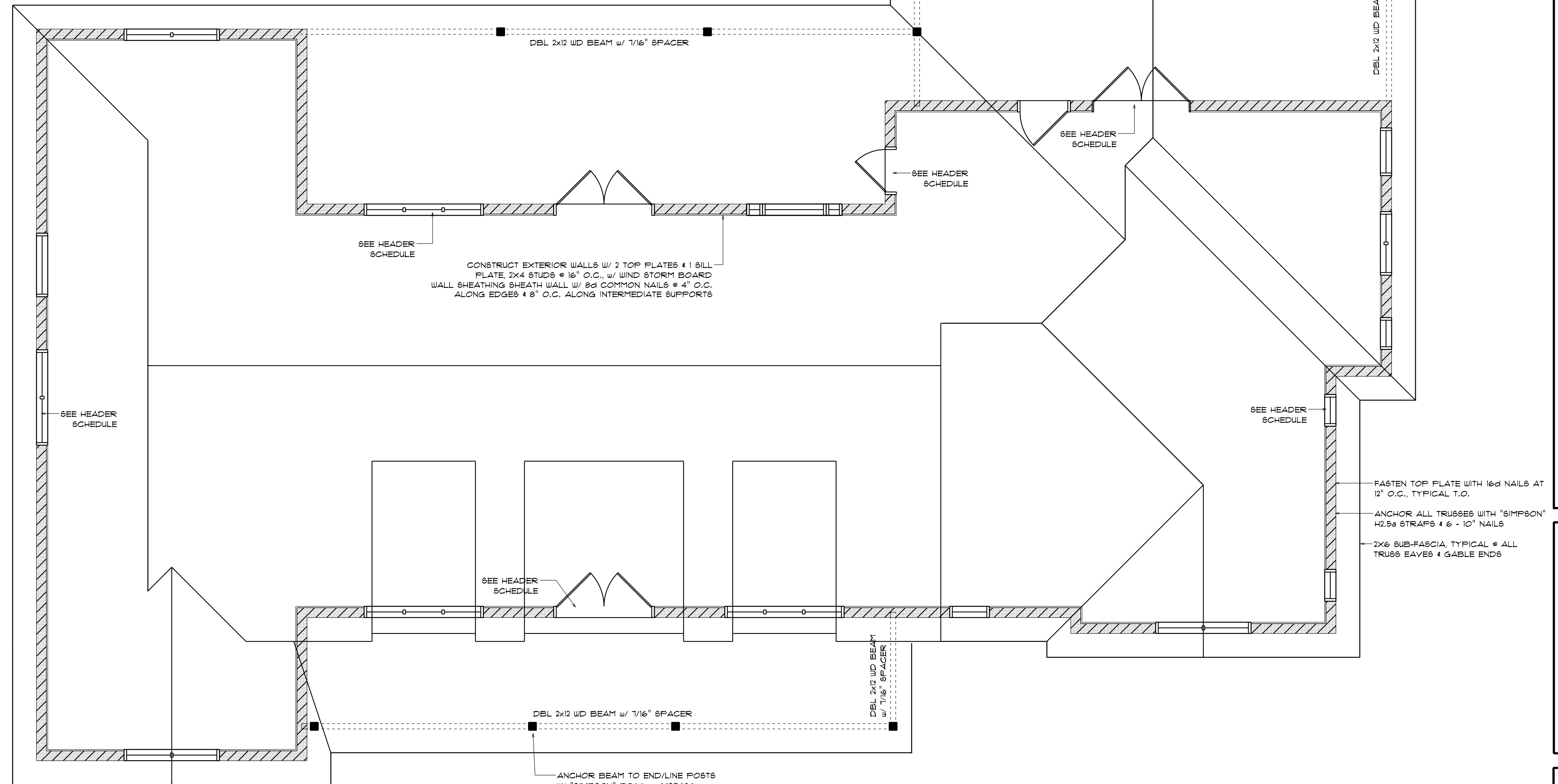
2 FLY 1 1/4" X 11 1/8" 2.0E MICROLAMM LVL HEADER GLUED AND NAILED WITH 10d x 0.128" x 3" NAILS IN 2 ROWS @ 12" O.C. STAGGERED EACH SIDE WITH 3 - SIMPSON M5TA15 EACH SIDE OF OPENING WITH 2 - HEADER STUDS AND 3 FULL HEIGHT STUDS EACH SIDE OF OPENING

NOTE:
SHEATH ROOF W/ OSB OR PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET 9.4

NOTE:
THE DESIGN WIND SPEED FOR THIS PROJECT IS 130 MPH PER FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

NOTE:
ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN THE SAME MANNER AS TOP PLATES, NOTED ABOVE

NOTE:
ANCHOR GIRDER TRUSSES TO HEADER WITH 2 "SIMPSON" LGT. 3 OR 4). ANCHOR HEADER TO KING STUDS W/ 2 "SIMPSON" 5T2 EA. END - TYP., T.O.



ROOF FRAMING PLAN

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

GENERAL TRUSS NOTES:

- TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND ITS CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
- TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIREMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.

ROOF PLAN NOTES

- R-1 SEE ELEVATIONS FOR ROOF PITCH
- R-2 ALL OVERHANGS 18" (12" on gables) UNLESS OTHERWISE NOTED
- R-3 PROVIDE ATTIC VENTILATION IN ACCORDANCE WITH SCHEDULE ON SD.3
- R-4 SEE EXTERIOR ELEVATIONS AND FLOOR PLANS TO VERIFY PLATE AND HEEL HEIGHTS
- R-5 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

REVISIONS

Apr. 2nd, 2024

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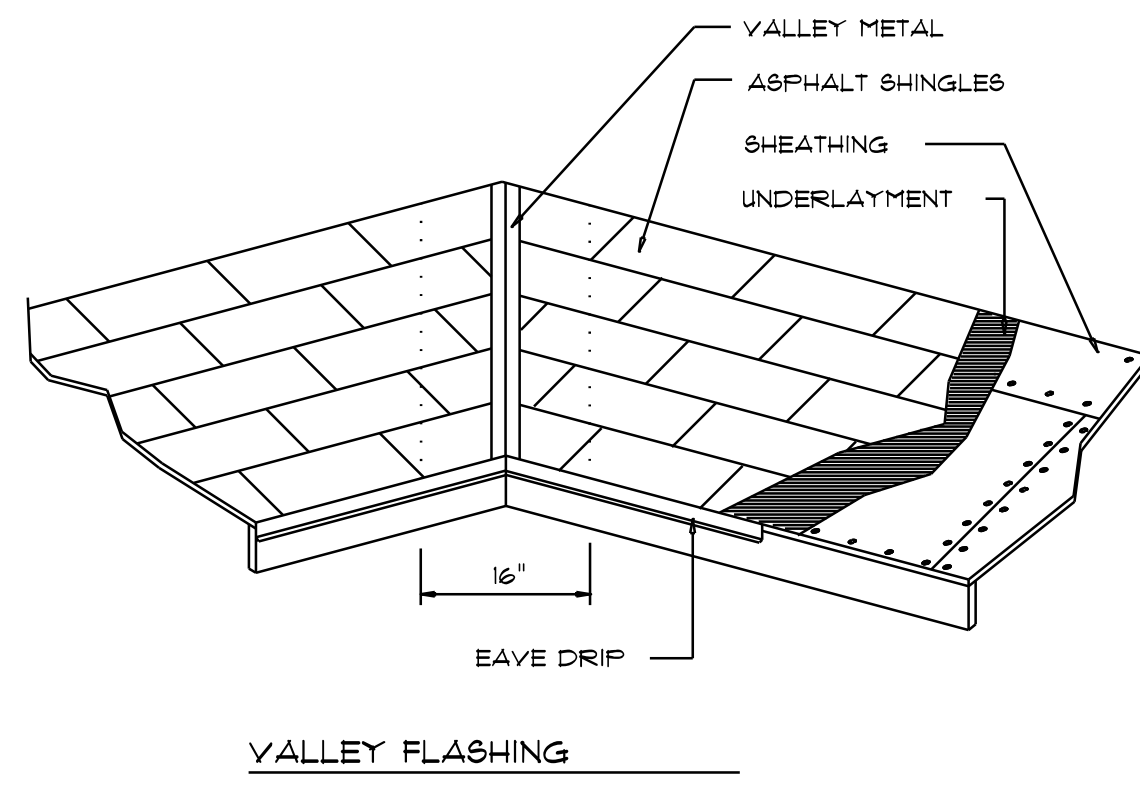
N3
NICHOLAS PAUL
GEISLER
ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
N.C.A.R.B. - Cert/1716d

SHEET NUMBER

S.2

OF 4 SHEETS

AR0007005



ROOFING METALS for FLASHING/ROOFING MINIMUM THICKNESS REQUIREMENTS			
MATERIAL	MINIMUM THICKNESS (in.)	GAGE	WEIGHT (OZ.)
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	0.0175	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	0.021		40 20

Roofing/Flashing DETS. A

SCALE: NONE

General Roofing NOTES:

DECK REQUIREMENTS:
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:
ASPHALT SHINGLES SHALL BE USED ONLY ON ROOF SLOPES OF 2:12 OR GREATER. FOR ROOF SLOPES FROM 2:12 TO 4:12, DBL. UNDERLAYMENT IS REQUIRED.

UNDERLAYMENT:
TWO LAYERS OF ASTM D226 TYPE II or ASTM D4869 TYPE III or TYPE IV UNDERLAYMENT SHALL BE INSTALLED AS FOLLOWS:

- STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
- STARTING AT THE EAVE, 3/8 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

ASPHALT SHINGLES:
ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING, AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENERS:
FASTENERS FOR ASPHALT SHINGLES SHALL BE GALVANIZED, STAINLESS STEEL, ALUMINUM OR COPPER ROOFING NAILS, MINIMUM 12 GAUGE SHANK WITH A MINIMUM 3/8 INCH DIAMETER HEAD, OF A LENGTH TO PENETRATE THROUGH THE ROOFING MATERIAL AND A MINIMUM 3/4" INTO THE ROOF SHEATHING. WHERE THE SHEATHING IS LESS THAN 3/4" THICK, THE NAILS SHALL PENETRATE THROUGH THE SHEATHING.

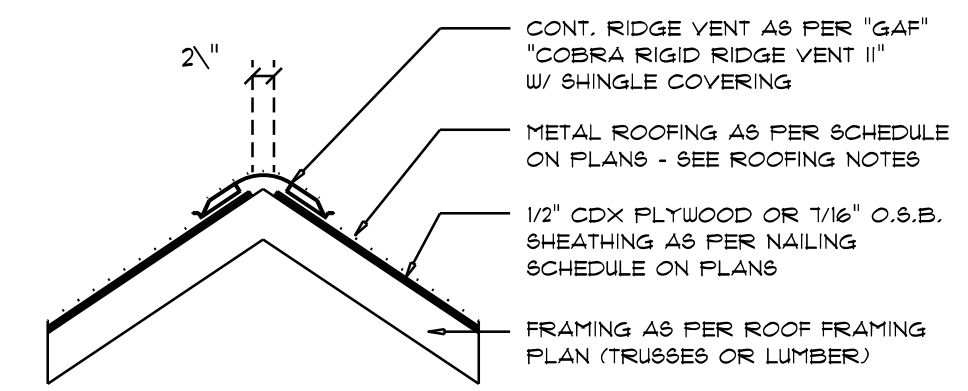
ATTACHMENT:
ASPHALT SHINGLES SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN FOUR FASTENERS PER STRIP SHINGLE OR TWO FASTENERS PER INDIVIDUAL SHINGLE. WHERE ROOFS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER, SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF ASPHALT SHINGLES SHALL CONFORM WITH ASTM D 3161 OR M-DC FA 107-95.

BASE AND CAP FLASHINGS:
BASE AND CAP FLASHINGS SHALL BE INSTALLED IN ACCORDANCE W/ MFR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 11 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:

- FOR OPEN VALLEYS LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1501.3.2.
- FOR OPEN VALLEYS, VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.
- FOR CLOSED VALLEYS VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
 - BOTH TYPES 1 AND 2 ABOVE, COMBINED.
 - ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
 - SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 1870.

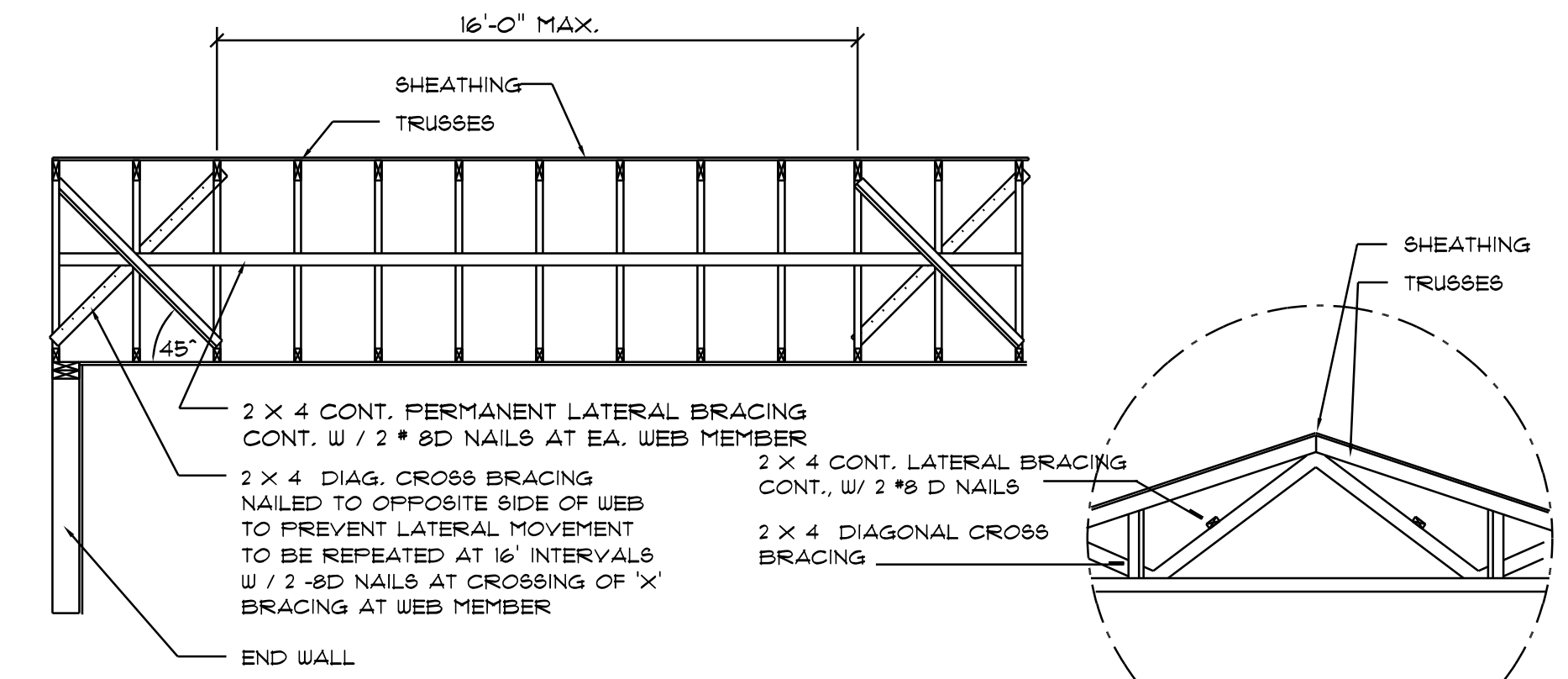
AREA OF ATTIC	REQ'D LF. OF VENT	NET FREE AREA OF INTAKE
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2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: #98-0713.05

Ridge Vent DETAIL

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



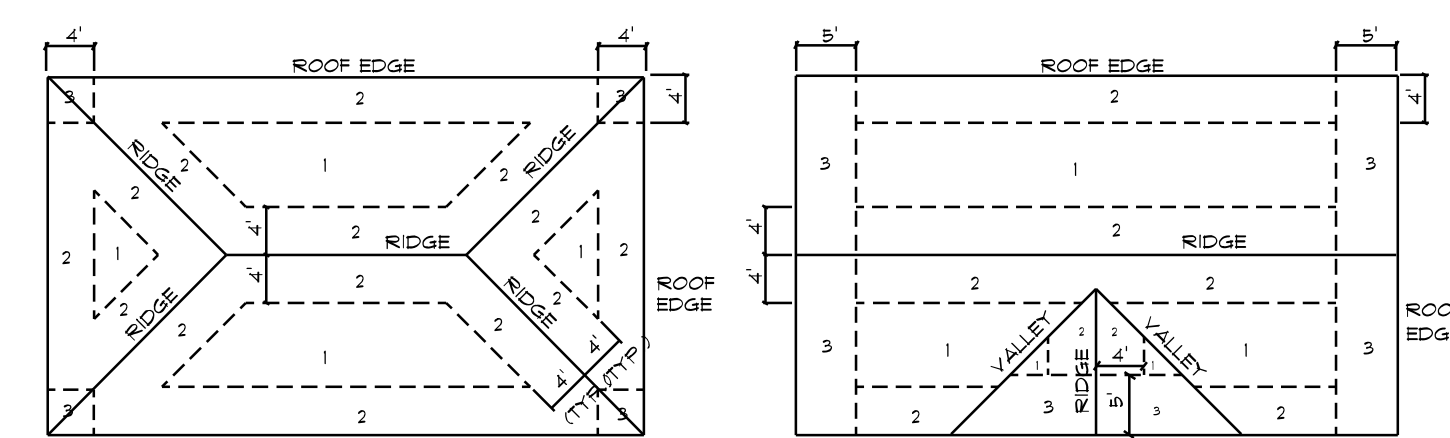
TYP. PERMANENT TRUSS BRACING DIA.

NOTE: ALL WOOD TO BE NUMBER 2 GRADE SOUTHERN YELLOW PINE

Truss Bracing DETAILS

SCALE: AS NOTED

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 6 in. o.c. FIELD
2	1/16" O.S.B. OR 15/32" CDX	2 1/2"x0.131" RING SHANK NAILS OR 3"x0.100" RING SHANK NAILS	6 in. o.c. EDGE 6 in. o.c. FIELD
3			4 in. o.c. GABLE ENDWALL OR GABLE TRUSS 6 in. o.c. EDGE 6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES (HIP ROOF) ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern DET. B

SCALE: NONE

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof: Gable Construction, Wood Trusses @ 24" O.C.	
Walls: 2x4 Wood Studs @ 16" O.C.	
Floor: 4" Thk. Concrete Slab w/ Fiberglass Concrete Additive	
Foundation: Continuous Footer/Beam Wall	
ROOF DECKING	
Material: 1/2" CD Plywood or 1/16" O.S.B.	
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing	
Fasteners: .113 RING SHANKED Nails per schedule on sheet 8.4	
HURRICANE UPLIFT CONNECTORS	
Truss Anchors: SIMPSON METAL 16 / H2.5a @ Ea. Truss End (Typ. U.O.N.)	
Porch Column Base Connector: Simpson ABU66 @ each column	
Porch Column to Beam Connector: Simpson MSTA20 (2 ea. sides) or Simpson EFC66 or 2 - 5/8" thru bolts	
FOOTINGS AND FOUNDATIONS	
Footings: 20"x10" Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.	
Stemwall: 21" C.M.U. w/ #5 Vertical Dowel @ 48" O.C.	
Int. Footings: 12"x 12" x Cont. w/ 2 - #5 Bars Cont. on wire/plastic chairs @ 48" o.c.	

STRUCTURAL DESIGN CRITERIA:

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2023 FLORIDA, 8th EDITION BUILDING CODE - SECTION 1609 AND OTHER REFERENCED CODES AND SPECIFICATIONS. ALL CODES AND SPECIFICATIONS SHALL BE LATEST EDITION AT TIME OF PERMIT.
- WIND LOAD CRITERIA: RISK CATEGORY: 2, EXPOSURE: "B"
BASED ON ANSI/ASCE 7-22, 2023 FBC 1609-A WIND VELOCITY: $V_{LL} = 130$ MPH
 $V_{ASD} = 121$ MPH
- ROOF DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 20 PSF
SUPERIMPOSED LIVE LOADS: 20 PSF
- FLOOR DESIGN LOADS:
SUPERIMPOSED DEAD LOADS: 25 PSF
SUPERIMPOSED LIVE LOADS: 60 PSF
RESIDENTIAL 40 PSF
BALCONIES 60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS

BUILDING COMPONENTS & CLADDING LOADS
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"
ROOF ANGLE T° TO Z°

WIND DIR.	WIND SPEED (MPH)	WIND PRESSURE (PSF)			
		WINDWARD WALL	LEEWARD WALL	ROOF	WINDWARD WALL
1	10	12.0 / -19.9	14.9 / -23.1	11.5 / -21.8	20.3 / -32.3
	20	11.4 / -18.4	13.6 / -22.0	10.9 / -21.0	18.5 / -31.4
	50	10.0 / -16.6	11.9 / -22.2	13.9 / -26.0	16.1 / -30.2
2	10	12.5 / -34.7	14.9 / -41.3	11.5 / -48.4	20.3 / -36.2
	20	11.4 / -31.9	13.6 / -38.0	10.9 / -44.6	18.5 / -31.1
	50	10.0 / -28.2	11.9 / -33.6	13.9 / -39.4	16.1 / -45.1
3	10	12.5 / -51.3	14.9 / -61.0	11.5 / -71.6	20.3 / -83.1
	20	11.4 / -47.5	13.6 / -57.1	10.9 / -67.0	18.5 / -77.1
	50	10.0 / -43.5	11.9 / -51.8	13.9 / -60.8	16.1 / -70.5
4	10	21.8 / -23.6	25.9 / -34.7	30.4 / -33.0	35.3 / -38.2
	20	20.8 / -22.6	24.7 / -36.9	29.0 / -31.6	33.7 / -36.7
	50	19.5 / -21.3	23.2 / -29.4	27.2 / -29.8	31.6 / -34.6
5	10	21.8 / -29.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	20	20.8 / -27.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	50	19.5 / -24.6	23.2 / -29.3	27.2 / -34.3	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS FOR BUILDING COMPONENTS & CLADDING

BLDG HEIGHT	EXPOSURE "B"	EXPOSURE "C"	EXPOSURE "D"
15	.82	1.21	1.41
20	.83	1.23	1.55
25	.84	1.35	1.61
30	1.00	1.40	1.66

REVISIONS
Apr. 2nd, 2024

CUSTOM HOME FOR:
TAYLOR & FABRICIO GARCIA
Columbia County, FL

N3
NICHOLAS PAUL GEISLER ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32055
N.C.A.A.B. - Cert. #1164

SHEET NUMBER
S.3
OF 4 SHEETS

AR0007005

