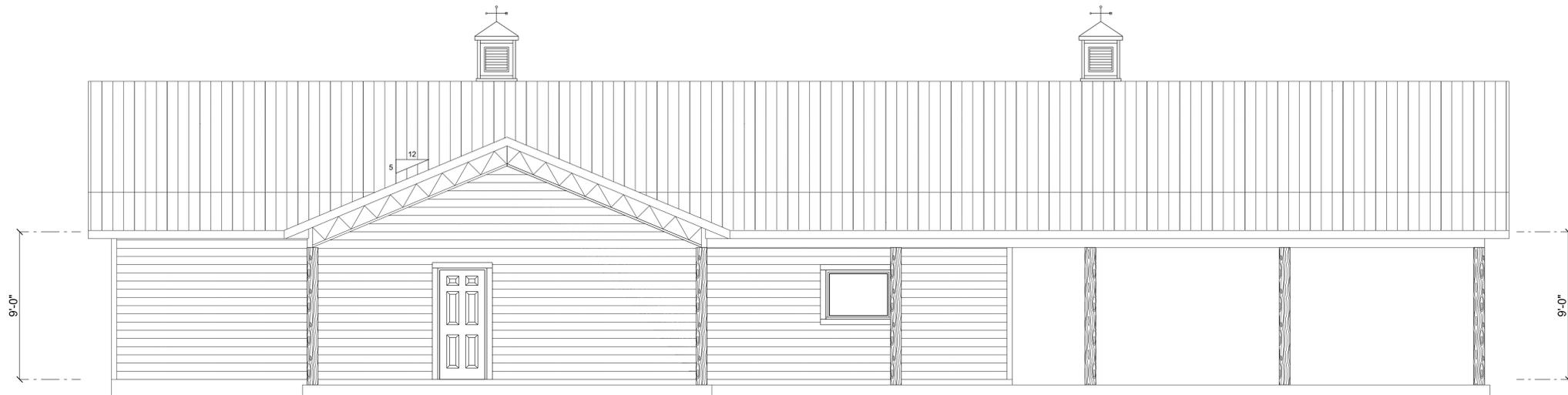


**FRONT ELEVATION**  
SCALE: 1/4" = 1'-0"



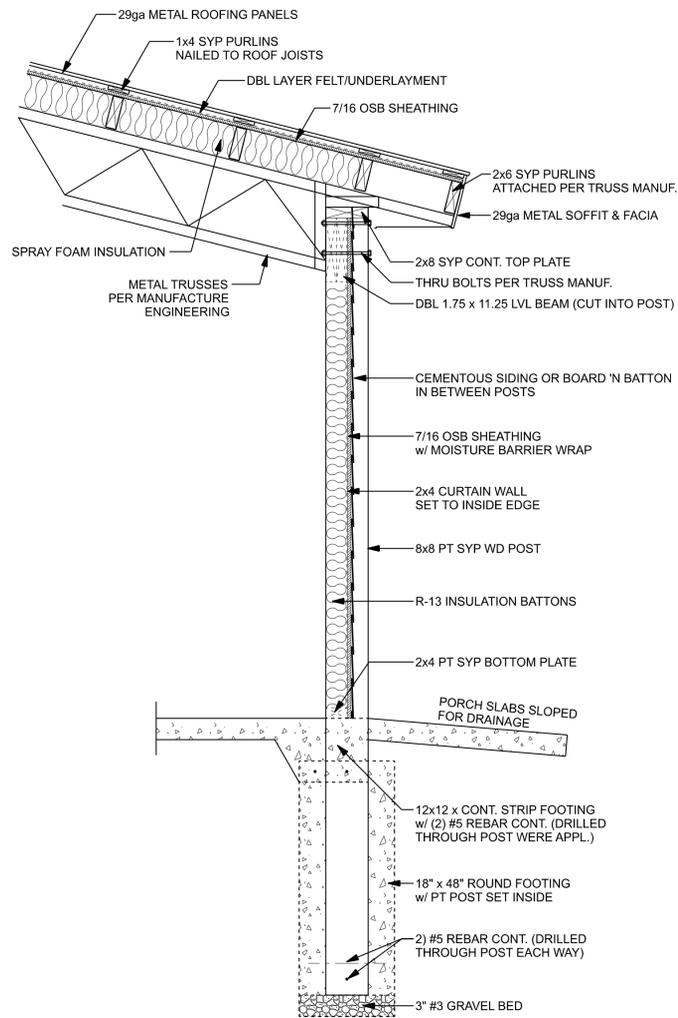
**REAR ELEVATION**  
SCALE: 1/4" = 1'-0"

REVISIONS SCHEDULE	
PROPOSAL	Nov. 18th, 2022
REVISIONS	Jan. 26th, 2023

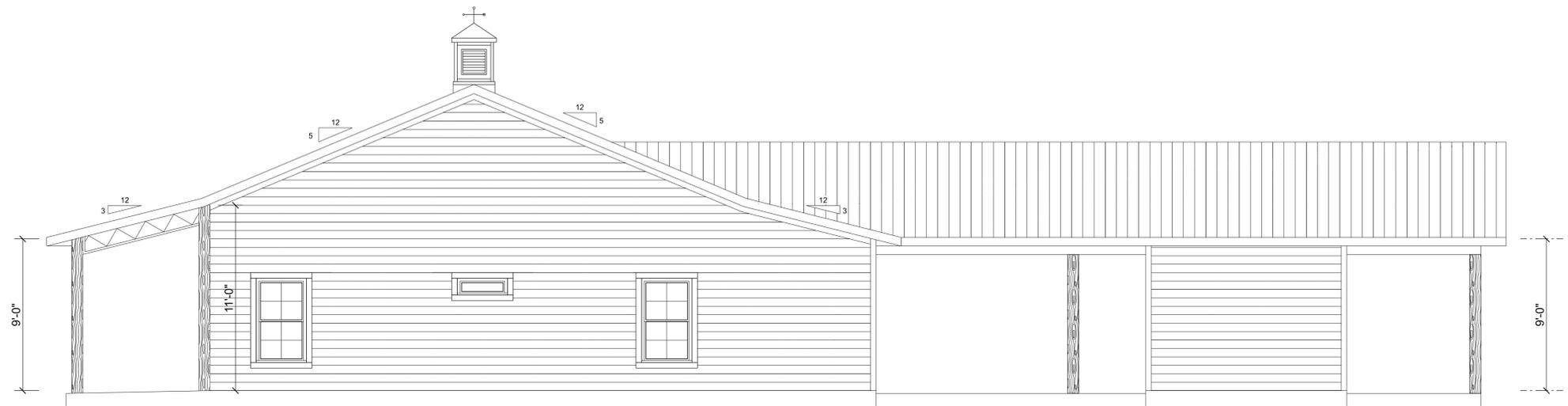
CUSTOM HOME FOR:  
**DRYDEN RESIDENCE**

**RIDGEPOINT DESIGN**  
566 SW ARLINGTON BLVD. STE. 101, LAKE CITY, FL 32025  
P: 386-288-1188  
E: RIDGEPOINTDESIGN@GMAIL.COM

SHEET NUMBER  
**A.1**  
OF 8 SHEETS



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

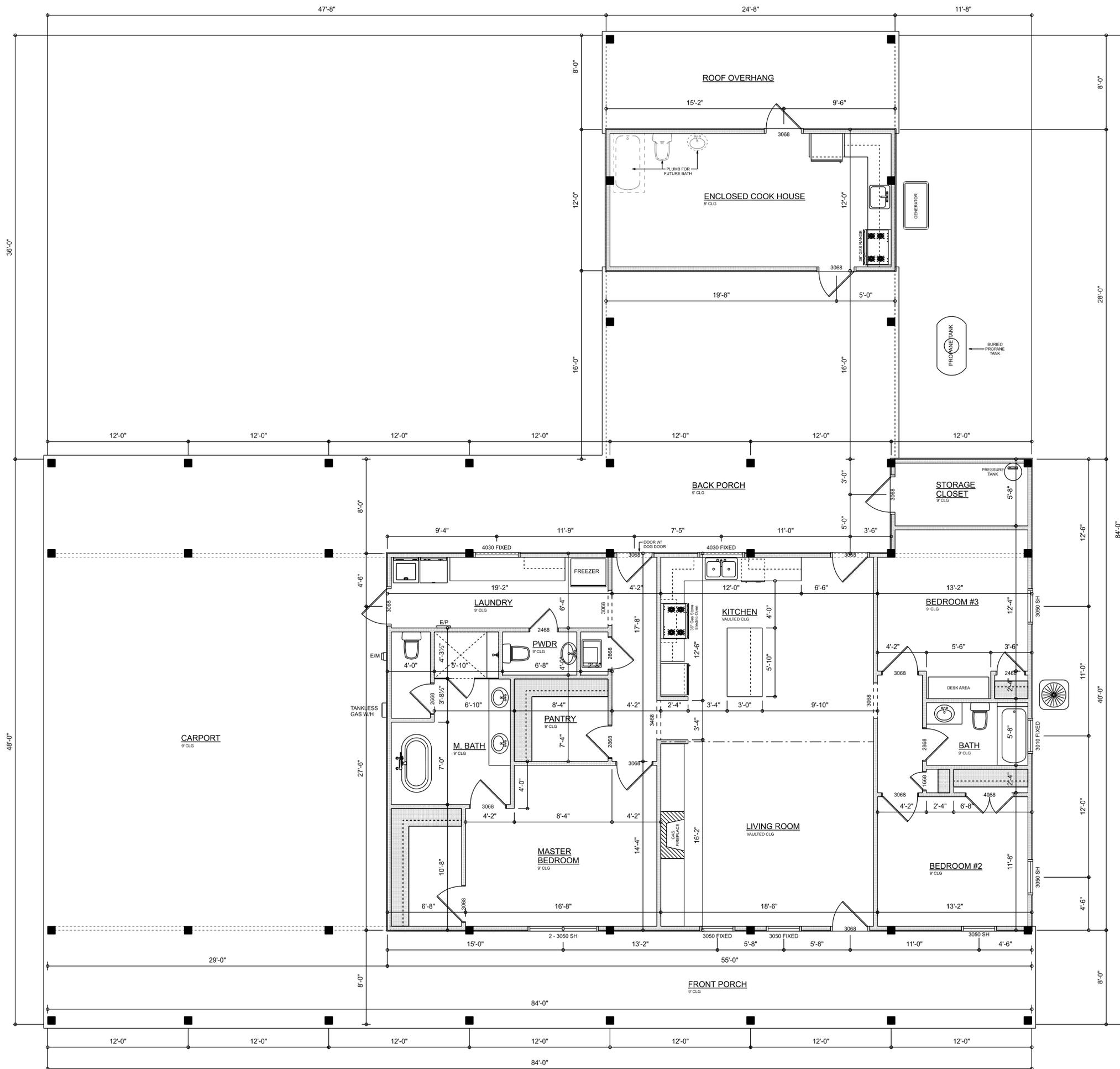


**RIGHT ELEVATION**  
SCALE: 1/4" = 1'-0"

REVISIONS SCHEDULE	
PROPOSAL	Nov. 18th, 2022
REVISIONS	Jan. 26th, 2023

CUSTOM HOME FOR:  
**DRYDEN RESIDENCE**

**RIDGEPOINT DESIGN**  
366 SW ARLINGTON BLVD. STE. 101, LAKE CITY, FL 32025  
P: 386-288-1188  
E: RIDGEPOINTDESIGN@GMAIL.COM



**AREA SUMMARY**

Room	Area (S.F.)	Total
LIVING	1,760	S.F.
ENCLOSED COOK HOUSE	296	S.F.
STORAGE CLOSET	98	S.F.
ENTRY PORCH	441	S.F.
REAR PORCH	742	S.F.
CARPOR	1,392	S.F.
OVERHANG	197	S.F.
<b>TOTAL AREA</b>	<b>4,926</b>	<b>S.F.</b>

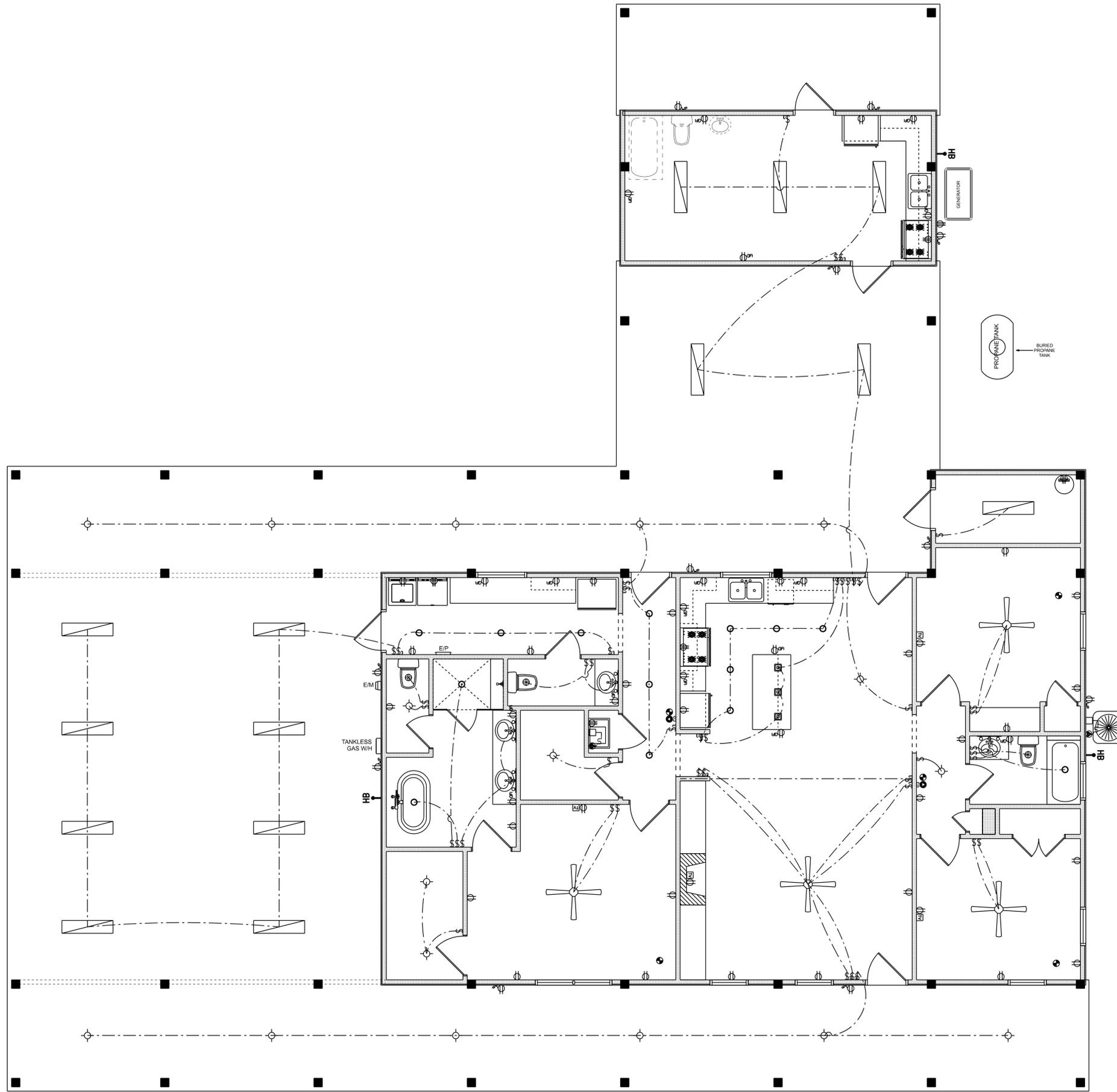
**DIMENSIONED FLOOR PLAN**  
 SCALE: 3/16" = 1'-0"

**REVISIONS SCHEDULE**

REVISIONS	DATE
PROPOSAL	Nov. 18th, 2022
REVISIONS	Jan. 26th, 2023

CUSTOM HOME FOR:  
**DRYDEN RESIDENCE**

**RIDGEPOINT DESIGN**  
 566 SW ARLINGTON BLVD. STE. 101, LAKE CITY, FL 32025  
 P: 386-288-1188  
 E: RIDGEPOINTDESIGN@GMAIL.COM



ELECTRICAL LEGEND		
ELECTRICAL	COUNT	SYMBOL
CEILING FAN	4	
CAN LIGHT 6inch	14	
LED CEILING LIGHT 1x4	14	
PENDANT LIGHT	3	
ELECTRIC PANEL	1	
AC DISCONNECT	2	
CABLE TV OUTLET	4	
CARBON DETECTOR	2	
EXHAUST FAN	3	
OUTLET	32	
OUTLET 220v	6	
OUTLET GFI	17	
OUTLET WP	11	
SMOKE DETECTOR	5	
STANDARD LIGHT	17	
SWITCH	22	
SWITCH 3 WAY	22	
VANITY BAR LIGHT - SMALL	4	

**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.

ALL RECEPTALS, NOT OTHERWISE NOTED, SHALL BE ARC FAULT INTERRUPTER TYPE, EXCEPT DEDICATED OUTLETS

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

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

NOTE:  
ELECTRICAL CONTR SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDNS 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/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.  
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DWGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY

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

REVISIONS SCHEDULE	
PROPOSAL	Nov. 18th, 2022
REVISIONS	Jan. 26th, 2023

CUSTOM HOME FOR:  
**DRYDEN RESIDENCE**

**RIDGEPOINT DESIGN**  
566 SW ARLINGTON BLVD. STE. 101, LAKE CITY, FL 32025  
P: 386-288-1188  
E: RIDGEPOINTDESIGN@GMAIL.COM

**TERMITE PROTECTION NOTES:**

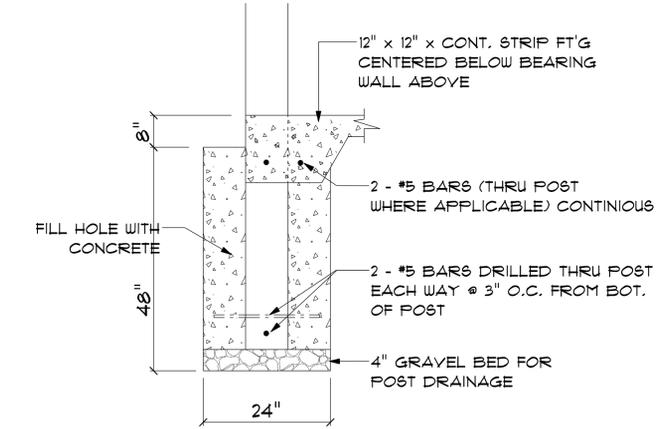
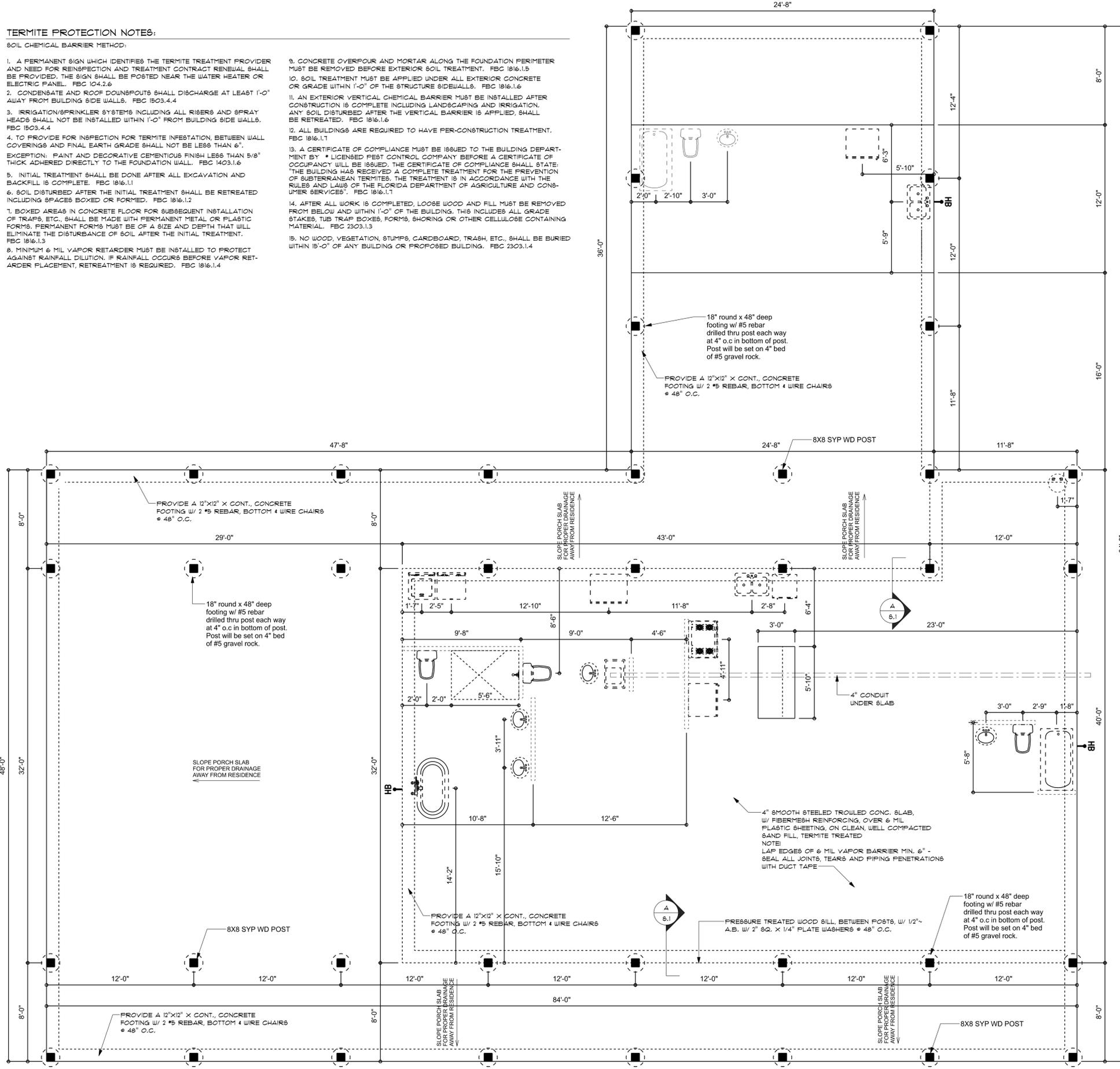
**SOIL CHEMICAL BARRIER METHOD:**

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1016.1.1
6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1016.1.2
7. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1016.1.3
8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1016.1.4

9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1016.1.5
10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1016.1.6
11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1016.1.6
12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1016.1.1
13. 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 COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1016.1.1
14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

**CONCRETE / MASONRY / METALS GENERAL NOTES:**

1. DESIGN SOIL BEARING PRESSURE: 1500 PSF.
2. 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.
3. 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 95% 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.
4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
6. CONCRETE SHALL BE STANDARD MIX F<sub>c</sub> = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F<sub>c</sub> = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F<sub>m</sub> = 1500 PSI.
8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH. BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.



**SECTION A-A**  
SCALE: not to scale

**CONSTRUCTION NOTES:**

1. FIELD VERIFY ALL DIMENSIONS AND MATERIALS. ALL OUTSIDE DIMENSIONS ARE TO FACE OF FOUNDATION.
2. ALL NAILING CONSTRUCTION MATERIALS SHALL BE AS PER 2020 IBC.
3. PROVIDE EXTERIOR COMBUSTION AIR TO GAS FIRED H.V.A.C. EQUIPMENT, WOOD BURNING STOVES, AND FIREPLACES.
4. VENT CLOTHES DRYER, BATH, AND COOKING FANS TO EXTERIOR AS REQUIRED.
5. CONTRACTOR SHALL CALL ATTENTION TO THE DESIGNER, ANY DISCREPANCIES IN DRAWINGS AND/OR SPECIFICATIONS AND SHALL RECEIVE INSTRUCTIONS OR CLARIFICATIONS BEFORE PROCEEDING WITH THE PORTION OF THE WORK IN QUESTION.
6. ROOF & FLOOR TRUSS FRAMING PLANS ARE FOR GENERAL INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL PROVIDE A DETAILED LAYOUT FOR TRUSS AND FRAMING MEMBERS.
7. LP GAS-BURNING APPLIANCES ARE NOT PERMITTED IN BASEMENTS OR CRAWLSPACES.
8. DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS ONLY.

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

REVISIONS
Jan. 26th, 2023

CUSTOM HOME FOR:  
**DRYDEN RESIDENCE**  
COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
N.C.A.A.B. Certified  
1788 NW Brown Rd.  
Lake City, FL 32095

SHEET NUMBER  
**S.1**  
OF 3 SHEETS

AR0007005

## General Roofing NOTES:

**DECK REQUIREMENTS:**  
METAL PANELS MUST BE FASTENED TO MIN. 1/2" CDX PLYWOOD.

**SLOPE:**  
METAL PANELS SHALL BE USED ONLY ON ROOF SLOPES OF 3/12 OR GREATER TO INSURE PROPER DRAINAGE.

**CAULKING:**  
MUST BE APPROVED BY THE MANUFACTURER. BUTYL SEALANT SUPPLIED IN TAPE OR GUN-GRADE FORM.

**METAL PANEL:**  
METAL PANELS SHALL BE MIN. 26 GAUGE AND COMPLY WITH ASTM A-792 AND D 1-98 EXPOSURE C AS ADOPTED IN SOUTH FLORIDA.

**FASTENERS:**  
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FAST SCREW, MINIMUM OF #9 X 1 1/2" HEX HEAD.

**ATTACHMENT:**  
METAL PANELS SHALL BE SECURED TO THE ROOF WITH NOT LESS THAN 24" O.C. WHERE ROOF IS LOCATED IN BASIC WIND SPEED OF 110 MPH OR GREATER. SPECIAL METHODS OF FASTENING ARE REQUIRED. UNLESS OTHERWISE NOTED, ATTACHMENT OF METAL PANELS SHALL CONFORM WITH ASTM E 330 OR FA 125.

**BASE AND CAP FLASHINGS:**  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFR'S INSTALLATION INSTRUCTIONS.

1. RC-1 - RIDGE CAP
2. ED-1 - EAVE DRIP
3. EF-3 - EAVE FLASHING
4. SW-1 - SIDEWALL FLASHING
5. EW-1 - ENDWALL FLASHING
6. GR-4 - GABLE END OR RAKE BOARD FLASHING
7. TF-1 - TRANSITION FLASHING
8. PV-2 - PREFORMED VALLEY FLASHING
9. BUTYL TAPE
10. SEALANT TAPE
11. PIPEBOOT

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

1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

**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 71 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

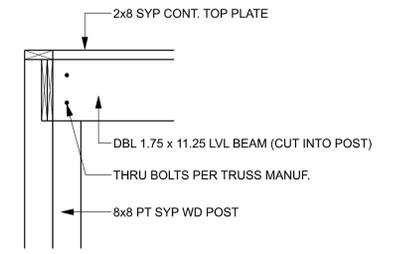
**VALLEYS:**  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.

1. 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 1501.3.3.2.
2. 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.
3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:
  1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.
  2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.
  3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1970.

2x6 SUB-FASCIA, TYPICAL @ ALL TRUSS EAVES & GABLE ENDS

## WOOD STRUCTURAL NOTES

1. 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".
2. 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".
3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN N-2 HEM-FIR OR BETTER.
4. 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.



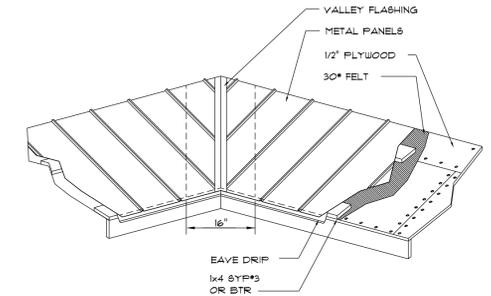
**PARTIAL WALL SECTION**

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

### 5M-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES

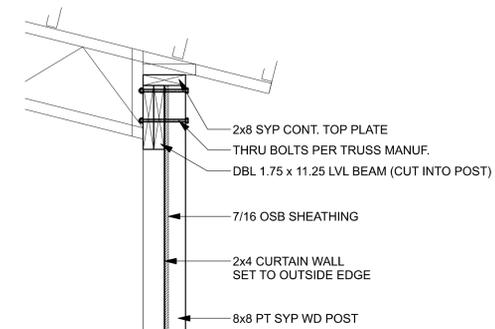
MANUFACTURER'S RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ 35' MEAN ROOF HEIGHT, MIN. 3/12 PITCH BASED ON ASCE 7-98, EXPOSURE "C"

ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO	100 - 110		120 - 130		140 - 150	
				O/C SPACING	TRIM	O/C SPACING	TRIM	O/C SPACING	TRIM
1	WD. SCREW	#9 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL. SCR.	#12 X 1" #14 X 1 1/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	12"
2 & 3	WD. SCREW	#9 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL. SCR.	#12 X 1" #14 X 1 1/8"	< 18 GA > 18 GA	36"	18"	24"	12"	24"	8"



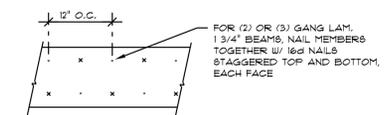
**METAL ROOFING, DET.**

SCALE: NONE



**PARTIAL WALL SECTION**

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



**MULTIPLE GANG LAM. DETAIL**

NOT TO SCALE

## ROOF FRAMING PLAN

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

REVISIONS  
Jan. 26th, 2023

CUSTOM HOME FOR:  
**DRYDEN RESIDENCE**  
COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
N.C.A.A.B. Certified  
1188 NW Brown Rd.  
Lake City, FL 32956

SHEET NUMBER

**S.2**  
OF 3 SHEETS

AR0007005

REVISIONS
Jan. 26th, 2023

FLORIDA BUILDING CODE	
Compliance Summary	
TYPE OF CONSTRUCTION	
Roof:	Gable Construction, Steel Trusses
Walls:	2x4 Wood Studs @ 16" O.C.
Floor:	4" Thk. Concrete Slab w/ Fibermesh Concrete Additive
Foundation:	Continuous Footer/Stem Wall
ROOF DECKING	
Sheathing:	1/2" CDX Plywood or 1/4" O.S.B.
Sheet Size:	48"x96" Sheets Perpendicular to Roof Framing
Fasteners:	.113 RING SHANKED Nails per schedule on sheet 5.4
SHEARWALLS	
Material:	1/2" CDX Plywood or 1/4" O.S.B.
Sheet Size:	48"x96" Sheets Placed horizontal
Fasteners:	.113 COMMON Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut:	Double Top Plate (5.7.F.) w/ 1/2" Nails @ 12" O.C.
Wall Studs:	2x4 Studs @ 16" O.C.
HURRICANE UPLIFT CONNECTORS	
Truss Anchors:	2 - 5/8" dia. carriage thru bolts with nut & washer (typ)
Wall Tension:	Metal Panel screwing is Adequate - #12-14 screws @ 4" O.C. Top & Bot.
Anchor Bolts:	1/2" A307 Bolts @ 48" O.C. - 1st Bolt 16" from corner
FOOTINGS AND FOUNDATIONS	
Footing A:	48" d x 18" round w/ #5 Bars drilled through posts
Footing B:	12" d x 12" w/ Cont. w/ 2 - #5 Bars Cont.

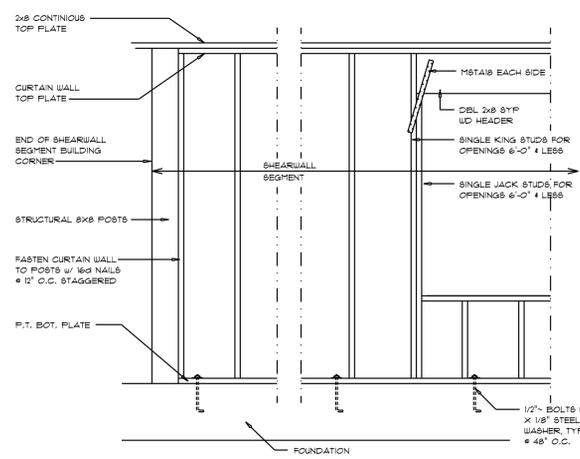
15°  
27°  
0°

BUILDING COMPONENTS & CLADDING LOADS  
MEAN BUILDING HEIGHT = 30.0', EXPOSURE "B"  
ROOF ANGLE T TO 2T

ZONE	AREA	Vult			
		10 MPH	120 MPH	130 MPH	140 MPH
1	10	12.0 / -19.9	14.9 / -23.7	11.5 / -21.8	20.3 / -32.3
	20	11.4 / -19.4	13.6 / -23.0	10.0 / -21.0	18.5 / -31.4
	50	10.0 / -18.6	11.9 / -22.2	10.0 / -20.0	16.1 / -30.2
2	10	12.5 / -34.7	14.9 / -41.3	11.5 / -48.4	20.3 / -56.2
	20	11.4 / -31.5	13.6 / -38.0	10.0 / -44.6	18.5 / -51.7
	50	10.0 / -28.2	11.9 / -33.6	10.0 / -39.4	16.1 / -45.7
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	10.0 / -67.0	18.5 / -77.1
	50	10.0 / -43.5	11.9 / -51.4	10.0 / -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 / -26.9	29.0 / -31.6	33.7 / -36.7
	50	19.5 / -21.3	23.2 / -25.4	27.2 / -29.8	31.6 / -34.6
5	10	21.8 / -23.1	25.9 / -34.7	30.4 / -40.7	35.3 / -47.2
	20	20.8 / -21.2	24.7 / -32.4	29.0 / -38.0	33.7 / -44.0
	50	19.5 / -24.6	23.2 / -25.3	27.2 / -34.3	31.6 / -39.8

HEIGHT & EXPOSURE ADJUSTMENT COEFFICIENTS  
FOR BUILDING COMPONENTS & CLADDING

BLDG HEIGHT	EXPOSURE		
	"B"	"C"	"D"
15	1.00	1.21	1.47
20	1.00	1.29	1.59
25	1.00	1.35	1.61
30	1.00	1.40	1.66



- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS
  - THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/4" WINDSTORM BD INCLUDING AREAS ABOVE AND BELOW OPENINGS
  - ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOISTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
  - NAIL SPACING SHALL BE 6" O.C. EDGES AND 12" O.C. IN THE FIELD.
  - TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3.5 FOR 8'-0" WALLS (7'-3").

OPENING WIDTH	BILL FLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
3' 6" TO 9'-0"	(3) 2x4 OR (1) 2x6	2
> 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

**Shear Wall DETAILS**  
SCALE: NONE

**FRAMING ANCHOR SCHEDULE**

APPLICATION	MANUF/R MODEL
TRUSS TO POST:	3 - 1/2" dia. carriage thru bolts with nut & washer (typ)
HEADER TO KING STUD(S):	SIMPSON MSTA18
FORCH BEAM TO POST:	3 - 5/8" LAG SCREWS
MISC. JOINTS	SIMPSON A34

NOTE:  
ALL ANCHORS SHALL BE SECURED W/ NAILS AS PRESCRIBED BY THE MANUFACTURER FOR MAXIMUM JOINT STRENGTH, UNLESS NOTED OTHERWISE.

NOTE:  
REFER TO THE INCLUDED STRUCTURAL DETAILS FOR ADDITIONAL ANCHORS/JOINT REINFORCEMENT AND FASTENERS.

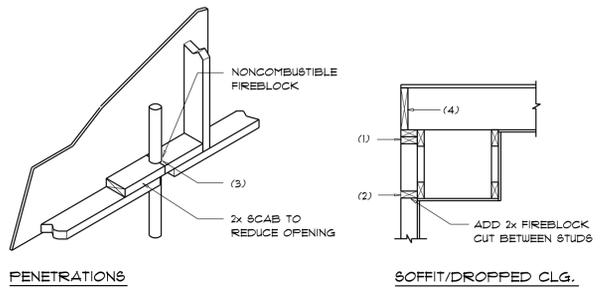
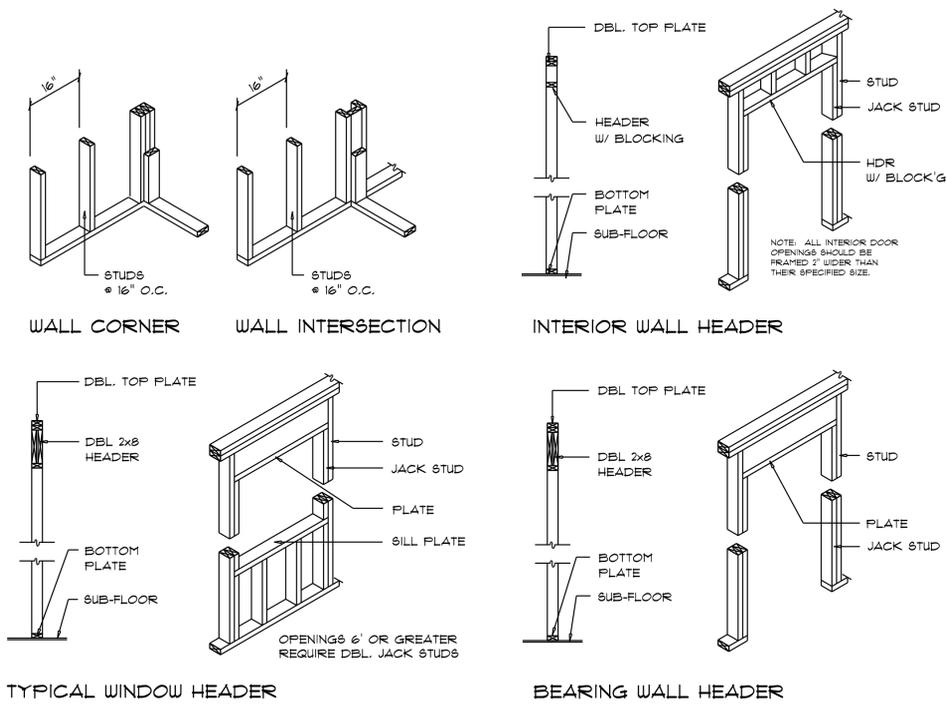
NOTE:  
ALL UNLISTED JOINTS IN THE LOAD PATH SHALL BE REINFORCED WITH SIMPSON A34 FRAMING ANCHORS, TYPICAL T.O.

**STRUCTURAL DESIGN CRITERIA:**

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2020 FLORIDA BUILDING CODE - SECTION 1603 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 7-16, 2020 FBC 1603-A WIND VELOCITY: V<sub>ULT</sub> = 130 MPH  
V<sub>50</sub> = 101 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:  
RESIDENTIAL: .40 PSF  
BALCONIES: .60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS

**TERMITE PROTECTION NOTES:**

- SOIL CHEMICAL BARRIER METHOD:
- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 104.2.6
  - CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4
  - IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1503.4.4
  - TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6".  
EXCEPTION: PAINT AND DECORATIVE CEMENTITIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.1.6
  - INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1016.1.1
  - SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1016.1.2
  - BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1016.1.3
  - MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1016.1.4
  - CONCRETE OVERFOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1016.1.5
  - SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1016.1.6
  - AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1016.1.6
  - ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1016.1.7
  - 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 COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES." THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1016.1.7
  - AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.1.3
  - NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4



**PENETRATIONS**  
**FIREBLOCKING NOTES:**

- FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:
- IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED SPACES AT CEILING AND FLOOR LEVELS.
  - AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILING, COVE CEILING, ETC.
  - AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "FYPANEL MULTIFLEX SEALANT"
  - AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS. FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

**Fire Stopping DETAILS**  
SCALE: NONE

CUSTOM HOME FOR:  
**DRYDEN RESIDENCE**  
COLUMBIA COUNTY, FLORIDA

**NICHOLAS PAUL GEISLER ARCHITECT**  
N.C.A.R.B. Certified  
1788 NW Brown Rd.  
Lake City, FL 32095

SHEET NUMBER  
**S.3**  
OF 3 SHEETS

AR0007005