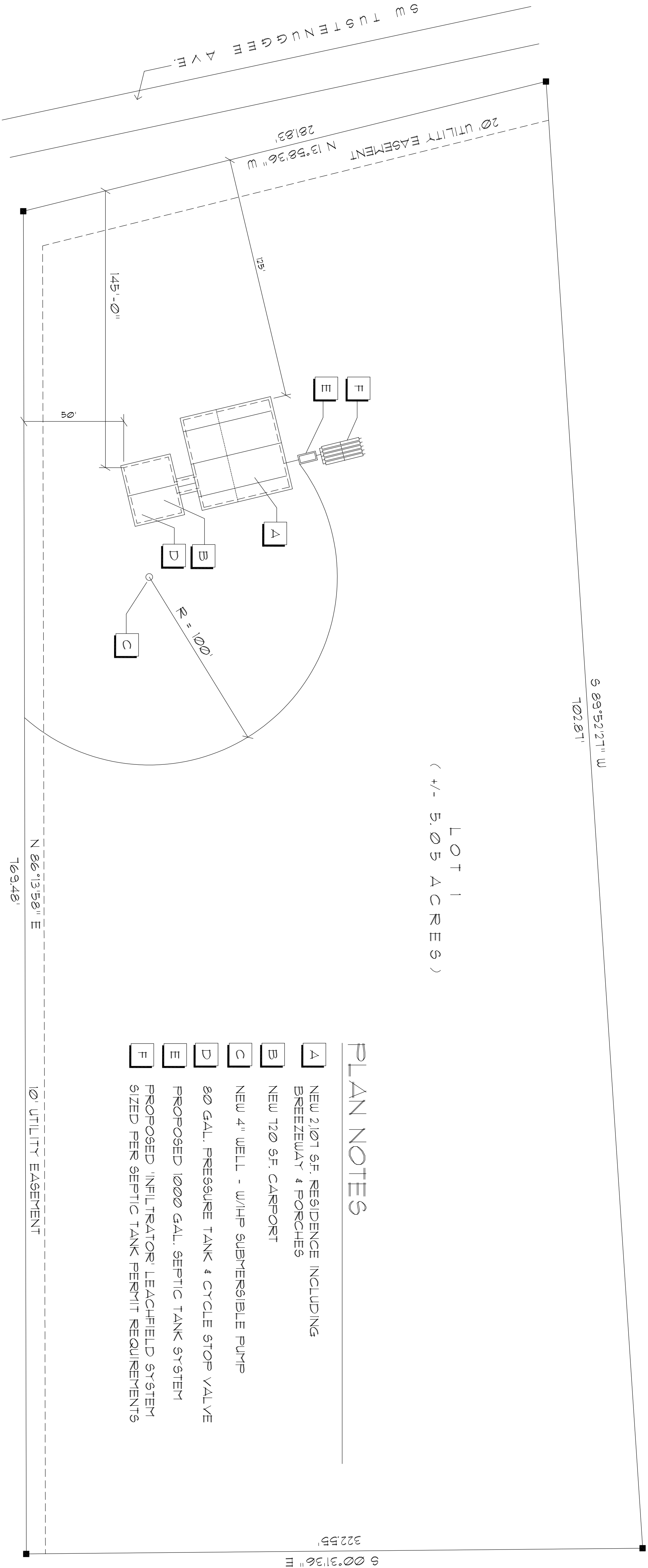


TAX PARCEL NO. 30-66-17-09807-102  
SECTIONS 29 & 30, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA



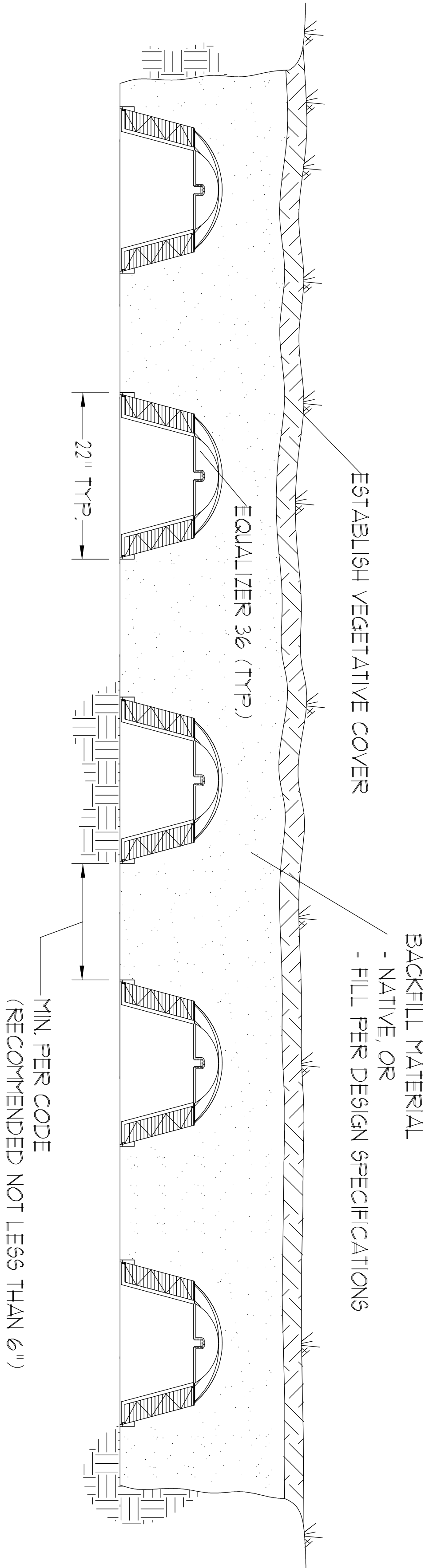
PLAN NOTES

- A NEW 2107 S.F. RESIDENCE INCLUDING BREEZEWAY & PORCHES
- B NEW 120 S.F. CARPORT
- C NEW 4" WELL - W/HP SUBMERSIBLE PUMP
- D 80 GAL. PRESSURE TANK & CYCLE STOP VALVE
- E PROPOSED 1000 GAL. SEPTIC TANK SYSTEM
- F PROPOSED INFILTRATOR LEACHFIELD SYSTEM SIZED PER SEPTIC TANK PERMIT REQUIREMENTS

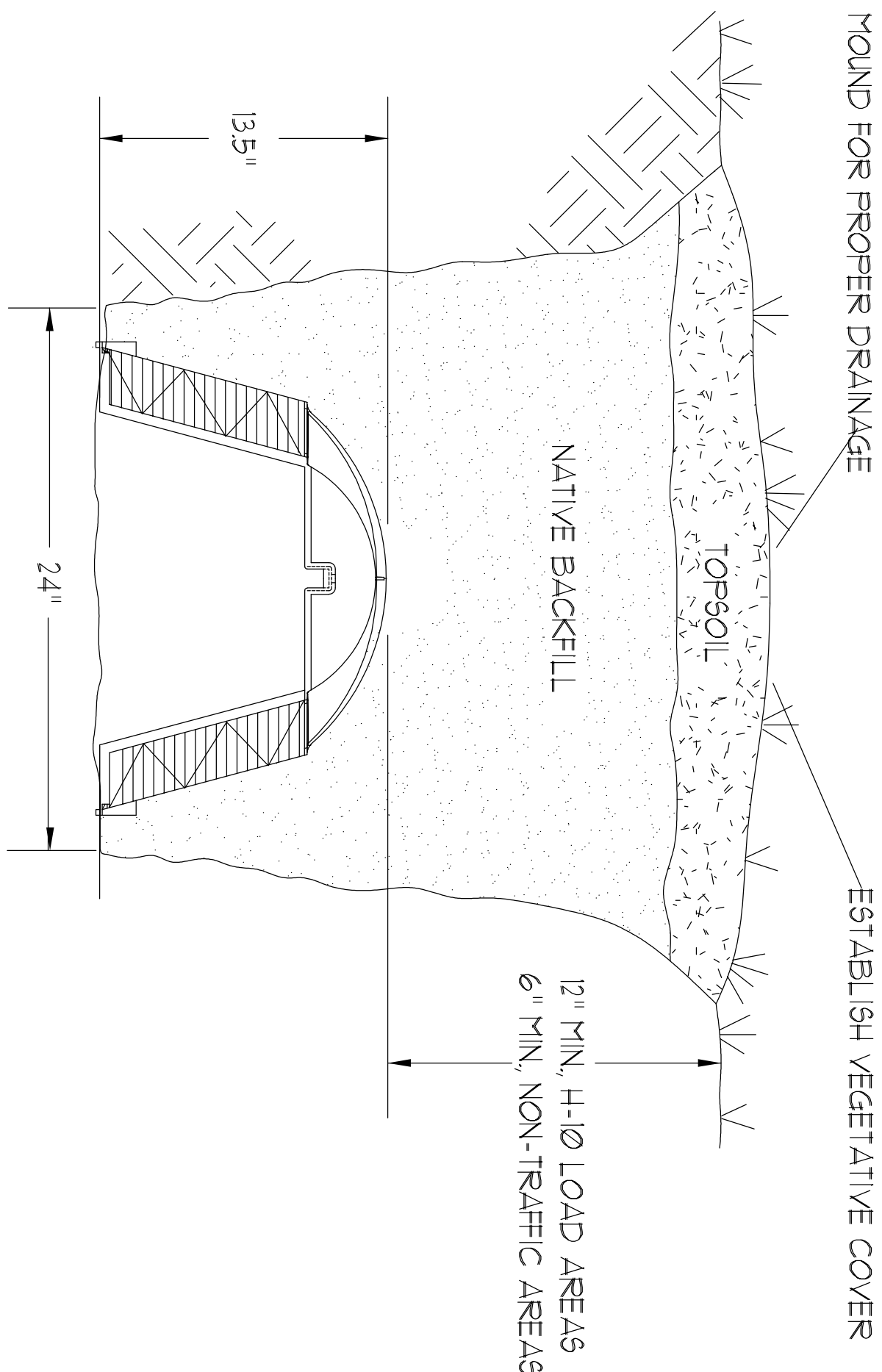
Site / Key PLAN

SCALE 1" = 30'

LAND DESCRIPTION  
LOT 1 OF "THE MEADOWS OF TUSKENOOGEE" AS PER THE PLAT THEREOF RECORDED IN PLAT BOOK 6, PAGE 203, OF THE PUBLIC RECORDS OF COLUMBIA COUNTY, FLORIDA



INFILTRATOR EQUALIZER 36 BED  
NOT TO SCALE



EQUALIZER 36 TRENCH DETAIL  
NOT TO SCALE

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DN: CN = N. P. GEISLER C = US  
O = AR0007005 OU = ARCHITECT  
Date: 2020.06.23 10:51:39 -0500

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DATE:  
22JAN2019  
CMT:

SHEET:

A.1  
1 of 14

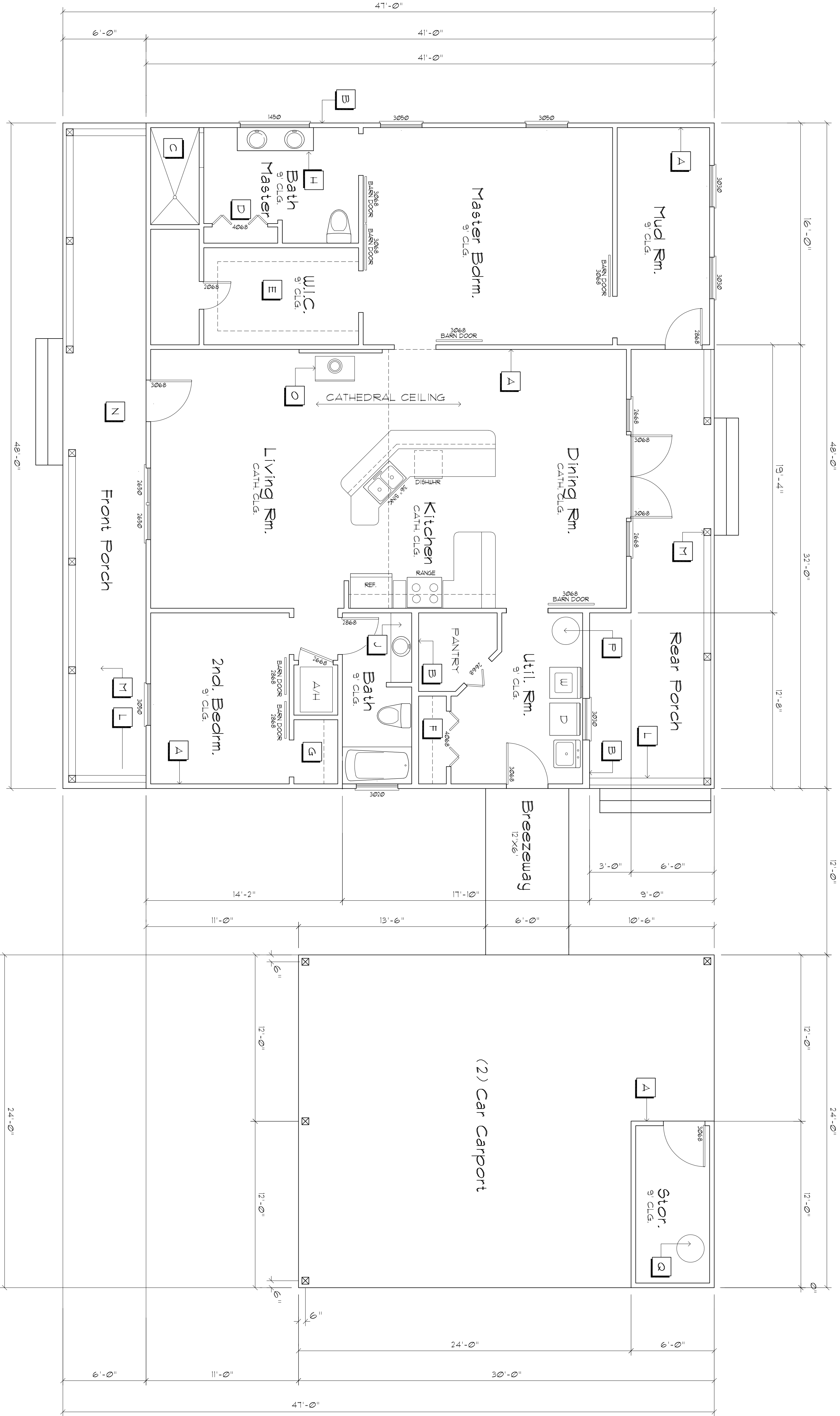
AR0007005

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:  
Mr. Randy McNae  
COLUMBIA COUNTY, FLORIDA  
Site PLAN



## Floor Plan

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

### Plan Notes

- |          |   |          |  |
|----------|---|----------|--|
| <b>A</b> | 2X4 Nt. 2 FIR STUDS @ 16" O.C.                    | <b>J</b> | 48"X20"X30"14 VANITY CABINET W/(1) LAVATORY  |
| <b>B</b> | 2X6 Nt. 2 FIR STUDS @ 16" O.C.                    | <b>L</b> | 42" HIGH HANDRAIL                            |
| <b>C</b> | 42"X60" WALK-IN SHOWER                            | <b>M</b> | 6"X6" PORCH COLUMNS @ 8'-0" O.C. MAX.        |
| <b>D</b> | LINEN & TOWEL CLOSET                              | <b>N</b> | PORCH STAIRS W/(5) R @ 6"15" & (4) T @ 10"5" |
| <b>E</b> | WALK-IN CLOTHES CLOSET W/SH-ELF & ROD @ 6'6" AFF. | <b>O</b> | BUCKSTOVE FIREPLACE                          |
| <b>F</b> | STORAGE CLOSET                                    | <b>P</b> | 50 GAL. ELECTRIC WATER HEATER                |
| <b>G</b> | CLOTHES CLOSET W/SH-ELF & ROD @ 6'6" AFF.         | <b>Q</b> | 80 GAL. PRESSURE TANK & CYCLE STOP VALVE     |
| <b>H</b> | 12"X20"X30"14 VANITY CABINET W/(2) LAVATORIES     |          |  |

### Design Data

- |                              |
|------------------------------|
| 1740 SF. - HEATED FLOOR AREA |
| 288 SF. - FRONT PORCH        |
| 228 SF. - REAR PORCH         |
| 12 SF. - COVERED BREEZEWAY   |
| 120 SF. - (2) CAR CARPORT    |
| 3048 SF. - TOTAL AREA        |

### Structural Design Data

- THE DESIGN COMPLIES WITH THE REQUIREMENTS OF THE 2017 FLORIDA 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 ASCE 7-10, 2017 FBC 1609-A WIND VELOCITY, V<sub>ULT</sub> = 130 MPH V<sub>ASD</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:..... 40 PSF RESIDENTIAL BALCONIES ..... 60 PSF
- WIND NET UPLIFT: ARE AS INDICATED ON PLANS

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o = AR0007005, ou = ARCHITECT  
Date: 2020.06.23 10:52:45 -0500



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386-365-4355

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22/JAN/2019

COMP:

SHEET:

A2  
2 of 14

AR0007005

REVISION:

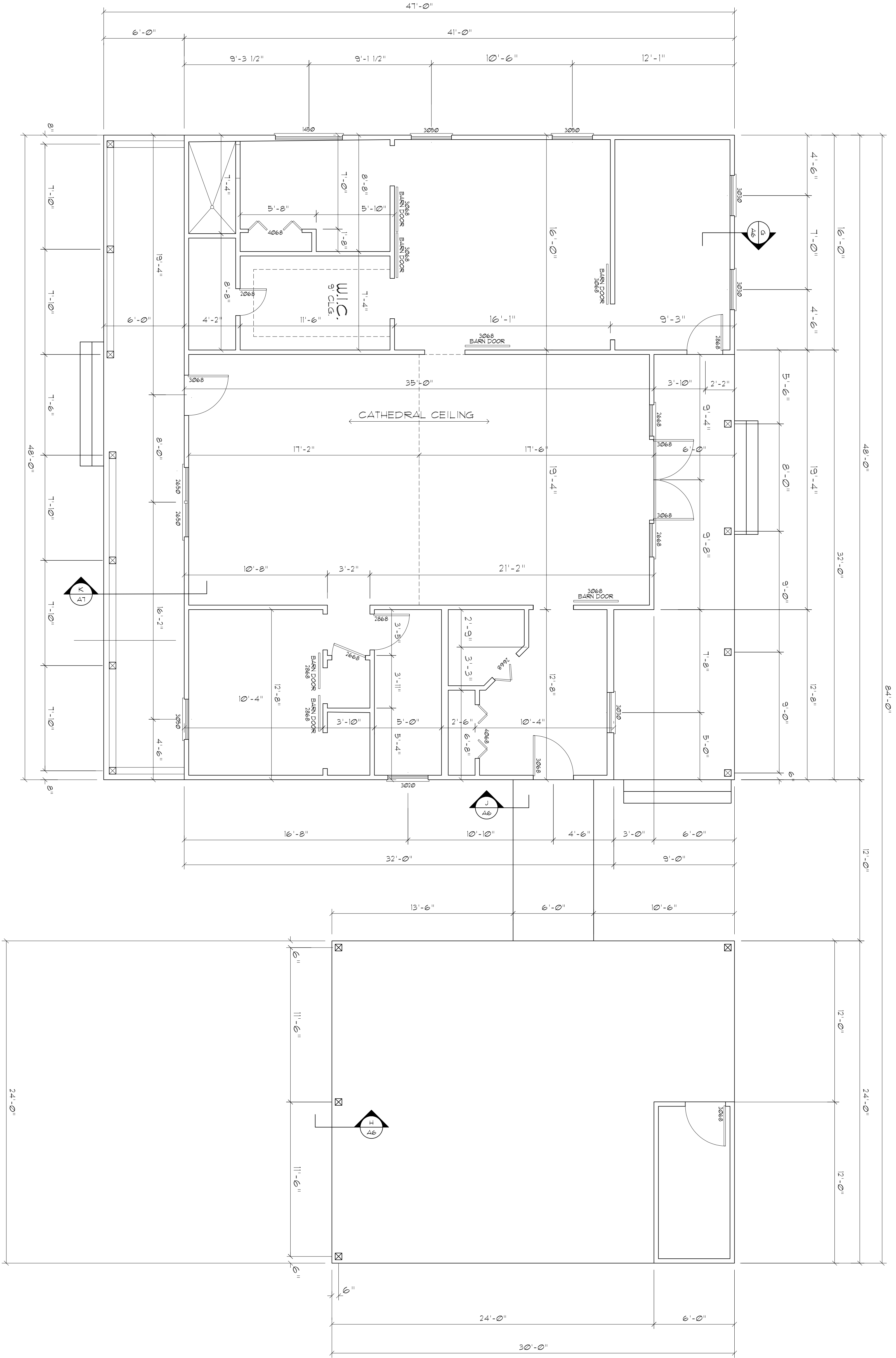
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DJR

CUSTOM DESIGNED HOME FOR:

Mr. Randy McRae  
COLUMBIA COUNTY, FLORIDA  
Floor Plan





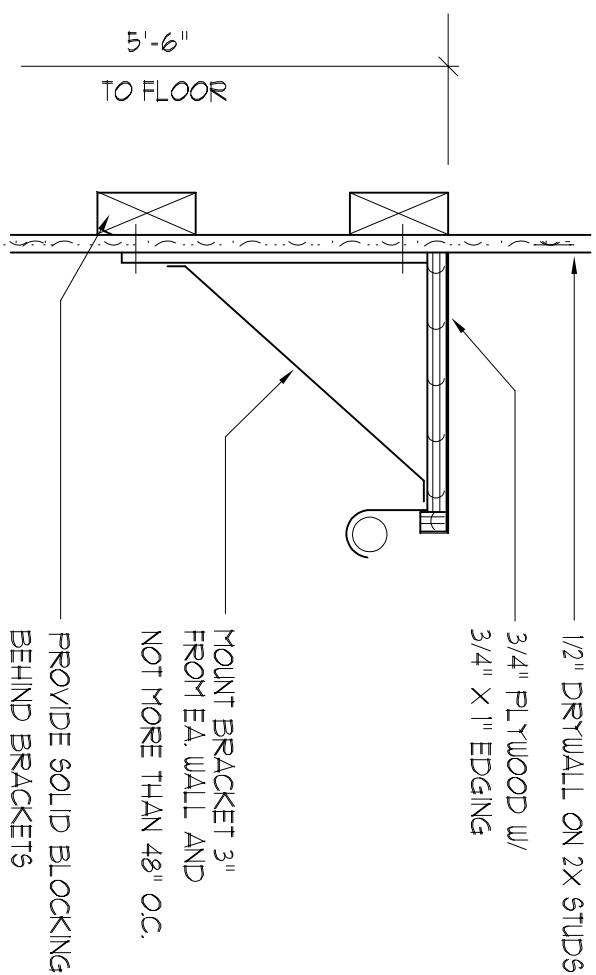
Dimension PLAN

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

Doors / Windows

TYP. WINDOW DESIGNATIONS	TYP. DOOR DESIGNATIONS
1450 = 60"x16" WINDOW	2068 = 24"x80" DOOR
2646 = 30"x54" WINDOW	2468 = 28"x80" DOOR
2650 = 30"x60" WINDOW	2668 = 30"x80" DOOR
3030 = 36"x36" WINDOW	2868 = 32"x80" DOOR
3046 = 36"x54" WINDOW	3068 = 36"x80" DOOR
3050 = 36"x60" WINDOW	
3054 = 36"x64" WINDOW	
3060 = 36"x72" WINDOW	
4020 = 48"x24" WINDOW	
4060 = 48"x72" WINDOW	

HEADER SPANS FOR EXTERIOR BEARING WALLS				
HEADERS SUPPORTING	HEADER SIZE	BUILDING WIDTH (FT)		
		20'	28'	36'
ROOF, CEILING	2-2x4	3'-6"	3'-2"	2'-10"
	2-2x6	5'-5"	4'-8"	4'-2"
	2-2x8	6'-10"	5'-11"	5'-4"
	2-2x10	8'-5"	7'-3"	6'-6"
	2-2x12	9'-9"	8'-5"	7'-6"
	3-2x8	8'-4"	7'-5"	6'-8"
	3-2x10	10'-6"	9'-1"	8'-2"
	3-2x12	12'-2"	10'-11"	9'-5"
	4-2x8	9'-2"	8'-4"	5'-2"
	4-2x10	11'-8"	10'-6"	9'-5"
	4-2x12	14'-1"	12'-2"	10'-11"



Closet Rod & Shelf Detail

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

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O=AR0007005 OU=ARCHITECT  
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AR0007005

SHEET:

A.3  
3 of 14

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22/JAN/2019  
COMPI:

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CUSTOM DESIGNED HOME FOR:  
**Mr. Randy McRae**  
COLUMBIA COUNTY, FLORIDA  
**Dimension Plan**

DRAWN:  
**DJR**

REVISION:

REVISION:

DRAWN:

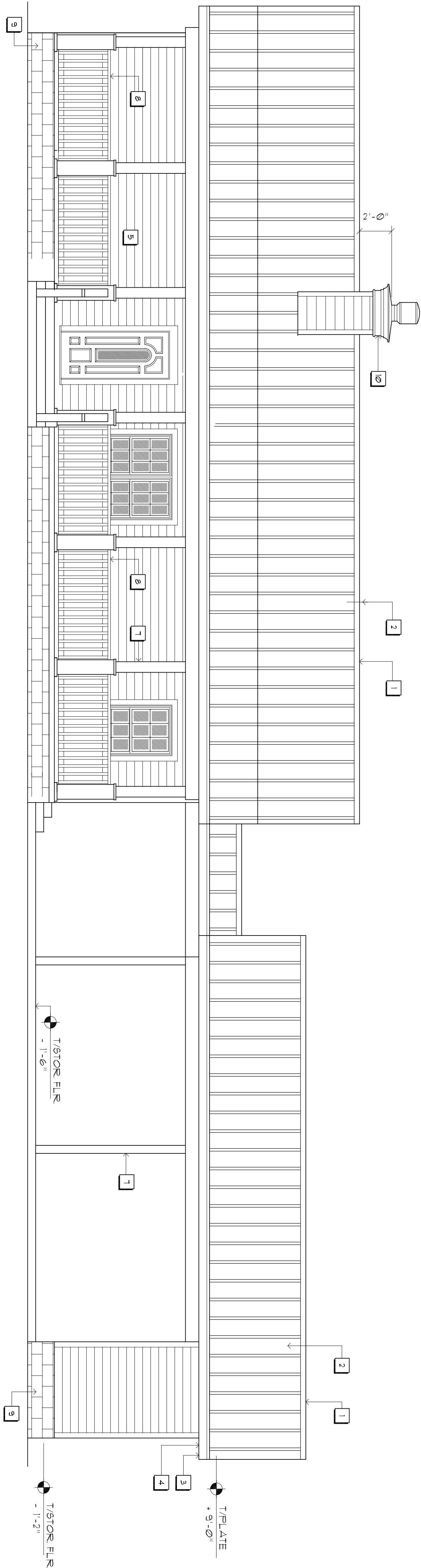
DJR

EXTERIOR FINISH LIST

- 1 CONTINUOUS RIDGE VENT
- 2 24 GA METAL ROOF SYSTEM
- 3 ALUMINUM FASCIA & SOFFIT
- 4 TYP. 16" OVERHANG
- 5 6" HARBORD SIDING
- 6 24" LOUVERED / SCREENED VENT
- 1 6X6 COLUMN BOXED PER OWNER
- 8 42" HIGH RAILING
- 9 8" CONCRETE BLOCK STEPMALL
- 10 WOOD FRAMED CHIMNEY W/DURAPLUS TRIPLE WALL CHIMNEY PIPE OR EQUAL

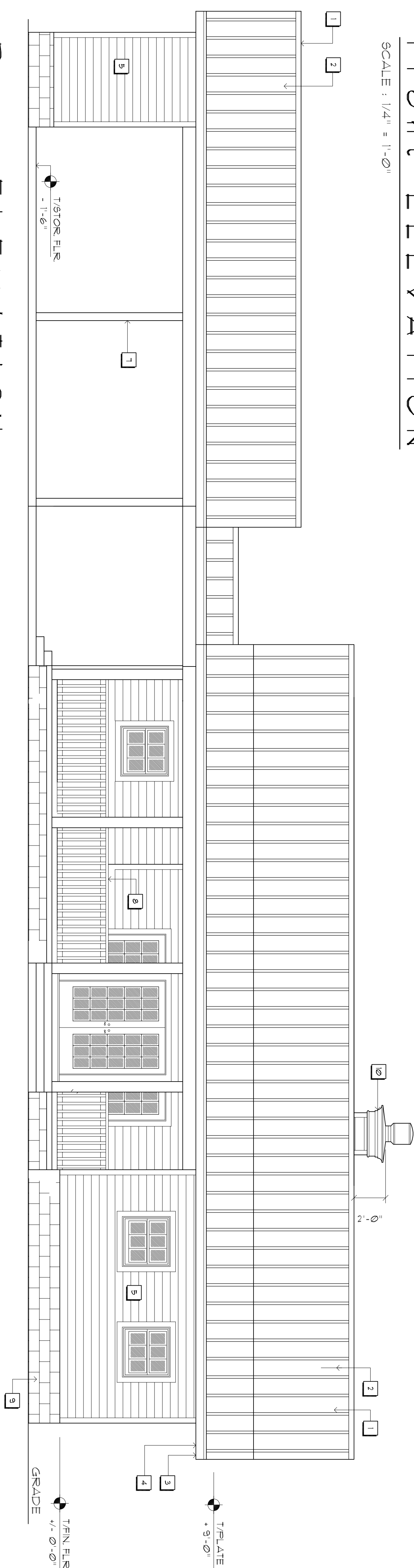
Front ELEVATION

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



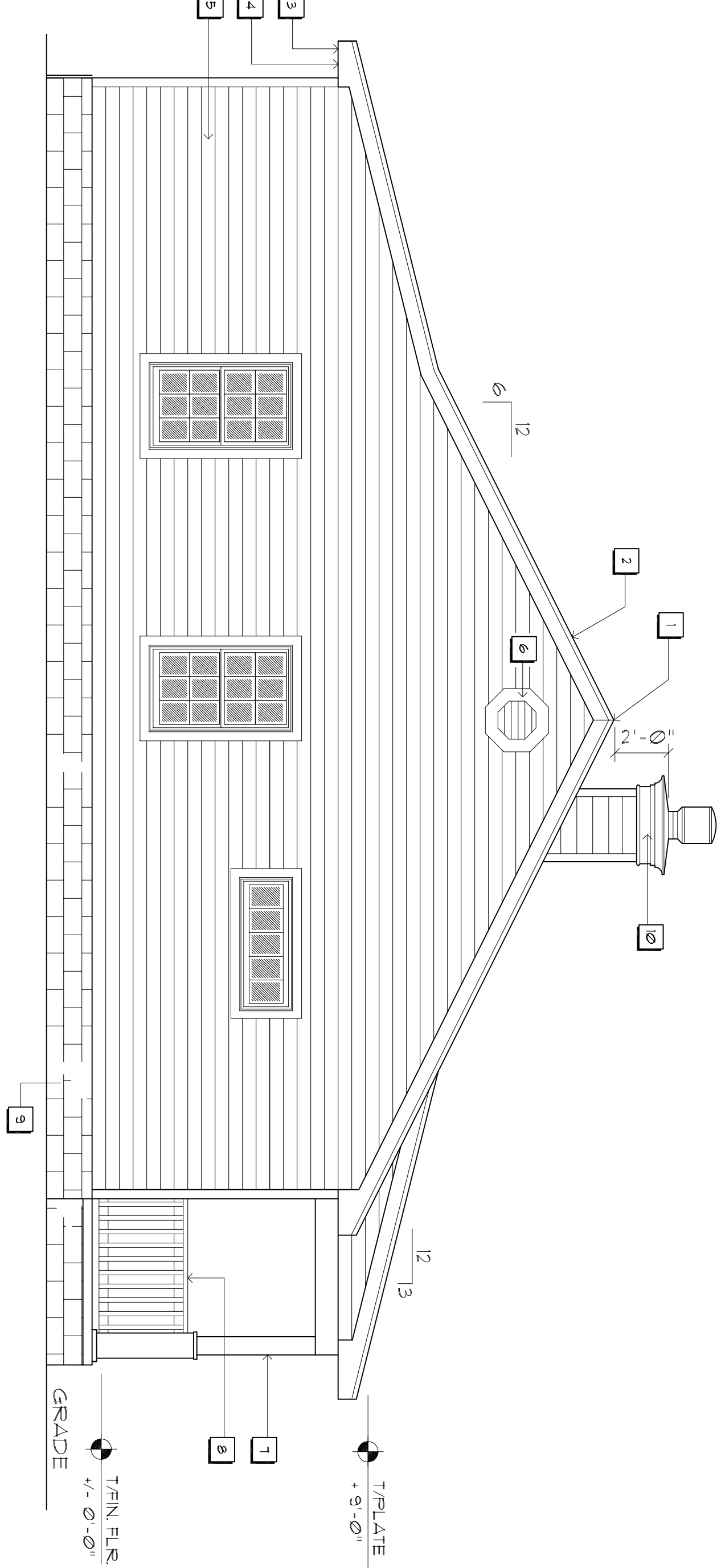
Rear ELEVATION

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



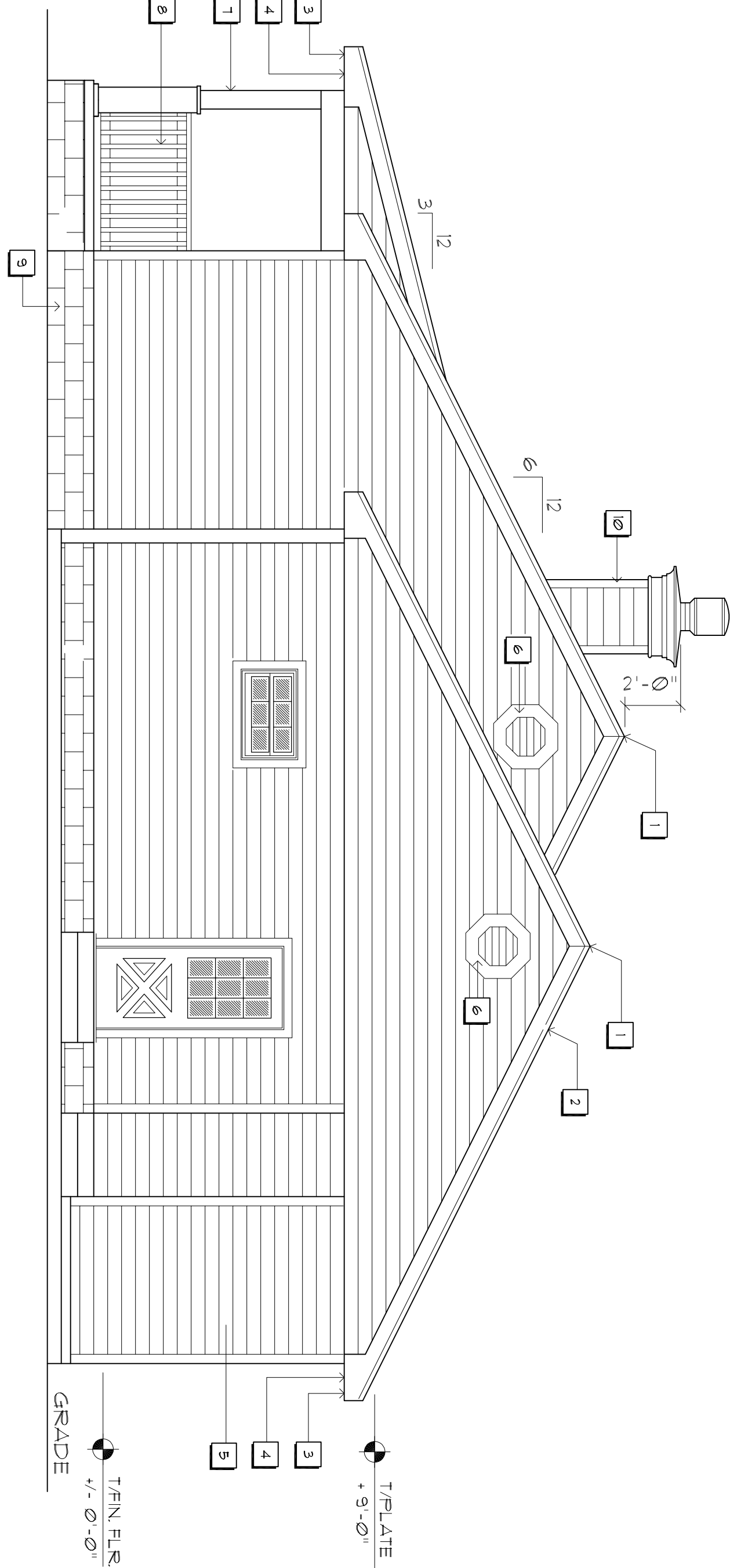
Right Side ELEVATION

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



Left Side ELEVATION

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



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**N3**  
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CUSTOM DESIGNED HOME FOR:  
**Mr. Randy McRae**  
COLUMBIA COUNTY, FLORIDA  
**Exterior ELEVATIONS**

DATE: \_\_\_\_\_  
CORNERS: \_\_\_\_\_

SHEET:  
**A.4**  
4 of 14

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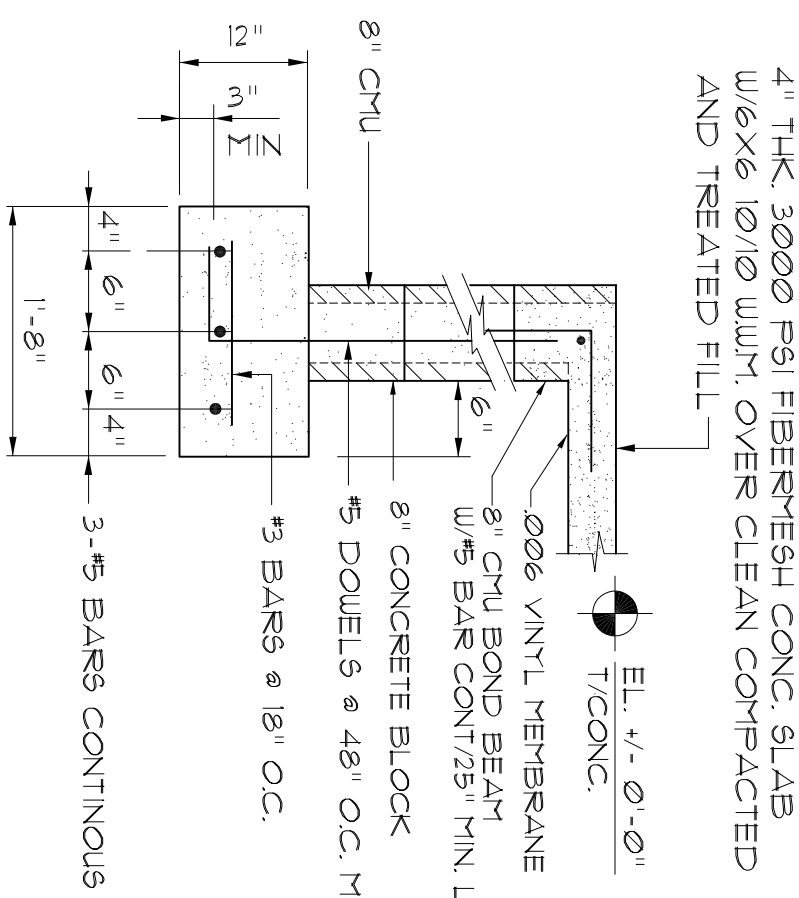
1. ALL CONCRETE WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE STANDARD 318-71.
2. ALL CONCRETE SHALL HAVE A 28 DAY COMPRESSIVE STRENGTH OF 3,000 PSI.
3. ALL REINFORCING STEEL SHALL CONFORM TO ASTM A 615, GRADE 40 EXCEPT WEDGED.
4. ALL REINFORCING STEEL SHALL HAVE A MIN. COVER OF 1" FOR SLAB 1 1/2" FOR OTHER CONCRETE NOT EXPOSED TO WEATHER OR EARTH FOR CONCRETE EXPOSED TO WEATHER OR EARTH, AND 3" FOR CONCRETE CAST AGAINST PERMANENTLY EXPOSED TO EARTH.
5. UNLESS OTHERWISE NOTED, REINFORCED LAP SPICES SHALL BE AC 308-B SPICES USING THE FOLLOWING LAP LENGTHS:  

$\frac{1}{4} - 6"$	$\frac{1}{2} - 24"$
$3 - 12"$	$1 - 36"$
6. PRIOR TO PLACING CONCRETE, ALL REINFORCING STEEL SHALL BE FREE OF LOOSE RUST AND SCALE OR ANY FOREIGN MATERIAL. PRIOR TO PLACING CONCRETE REFER TO ARCHITECTURAL, PLUMBING, PIPING, INSTRUMENTATION AND ELECTRICAL DRAWINGS FOR EMBEDDED ITEMS.

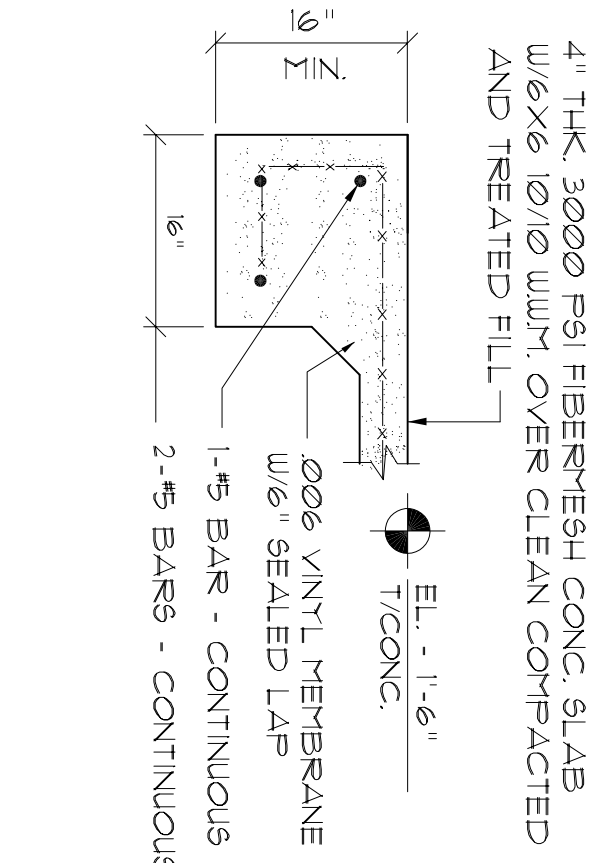
**NOTE**

PRIOR TO THE CONSTRUCTION OF THE FOUNDATION, THE CONTRACTOR SHALL COORDINATE ANY INTERFERING WORKS TO BE COMPLETED PRIOR TO THE EXCAVATION OF THE FOUNDATION. IN ANY INTERFERING LOCATION, OR ANY POINT LOADING 4.0 K OR GREATER SHALL BE SUPPORTED BY A MODIFIED FOUNDATION PLAN TAKING THESE LOADS INTO CONSIDERATION. THE CONTRACTOR SHALL MAKE THE ENGINEERED TRUSS SHOP DRAWINGS AVAILABLE TO THE ARCHITECT FOR PURPOSE OF REVISION. SUCH MODIFICATIONS PRIOR TO POURING ANY CONCRETE.

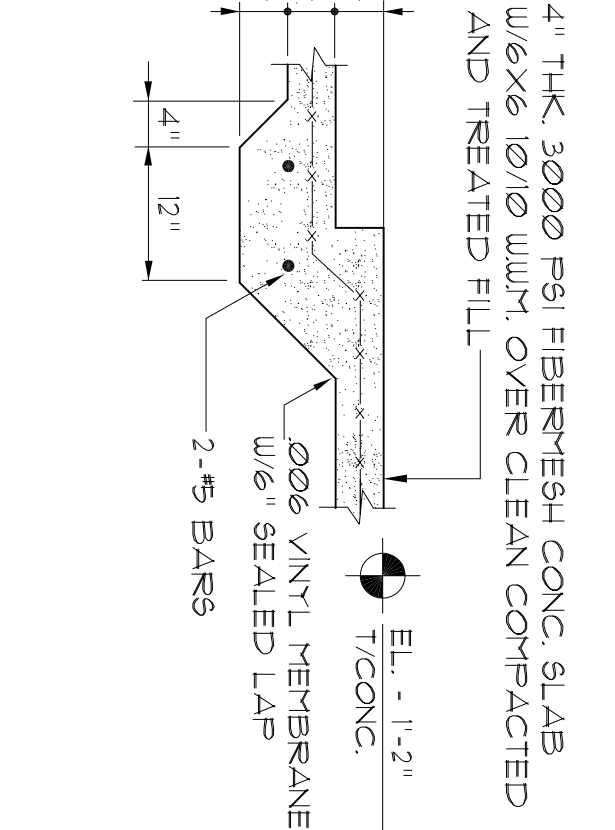
SCALE: 1/4" = 1'-0"



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

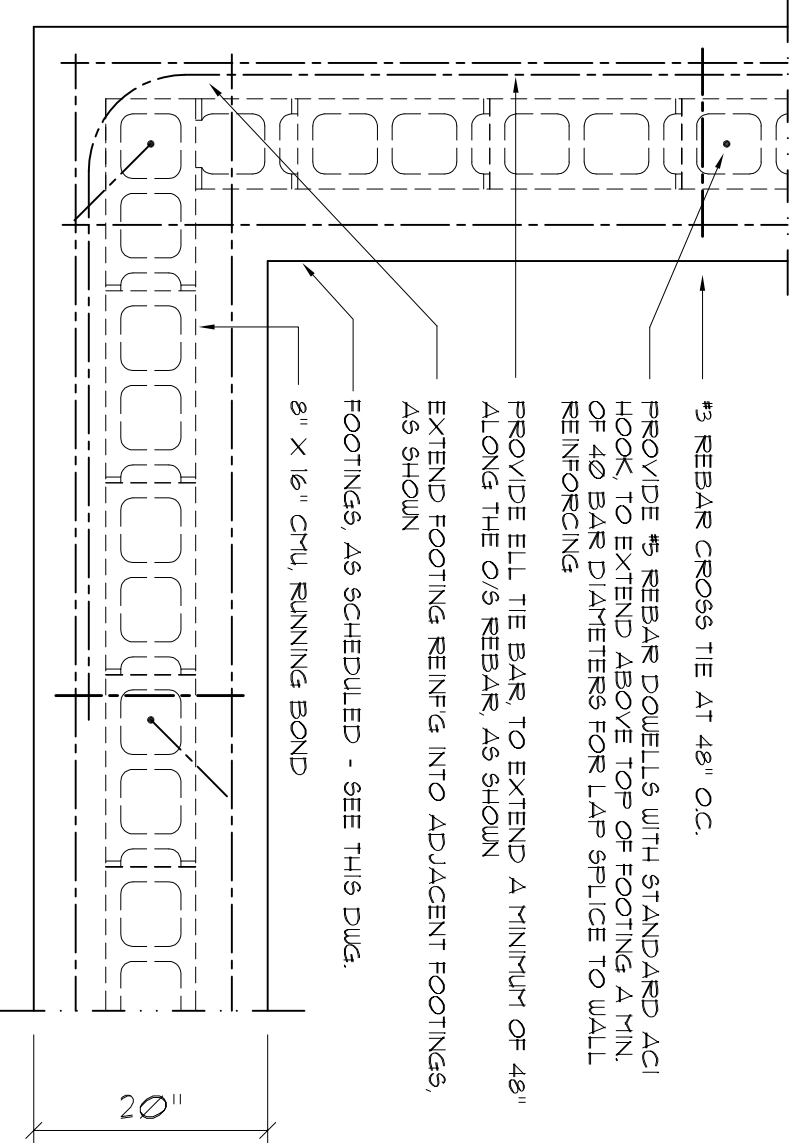
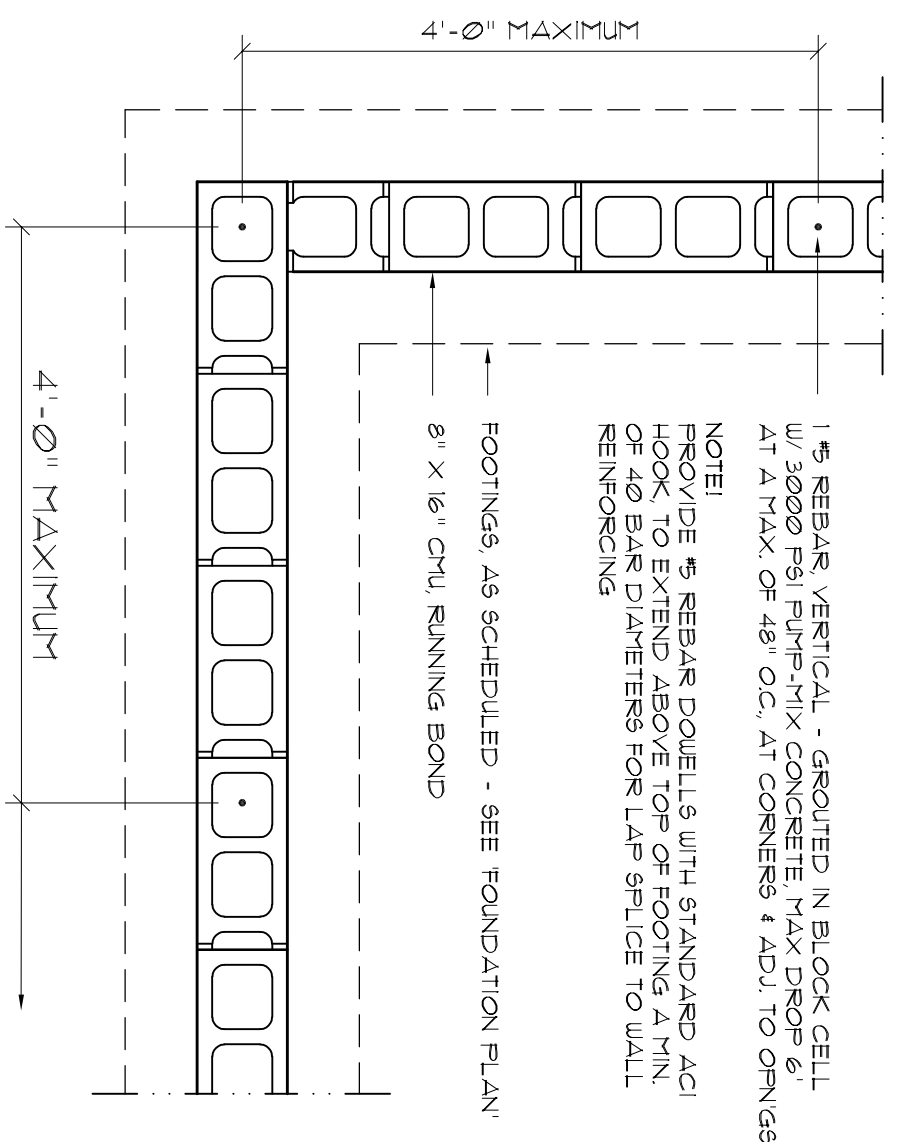


CARPOR  
SCALE 3/4" = 1'-0"

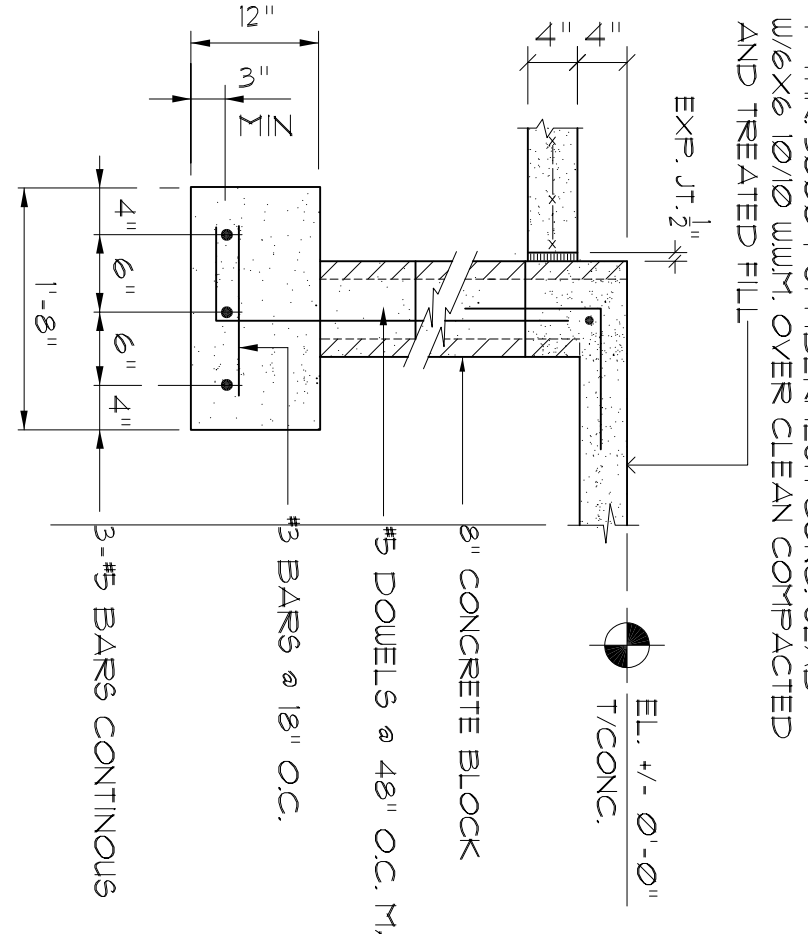
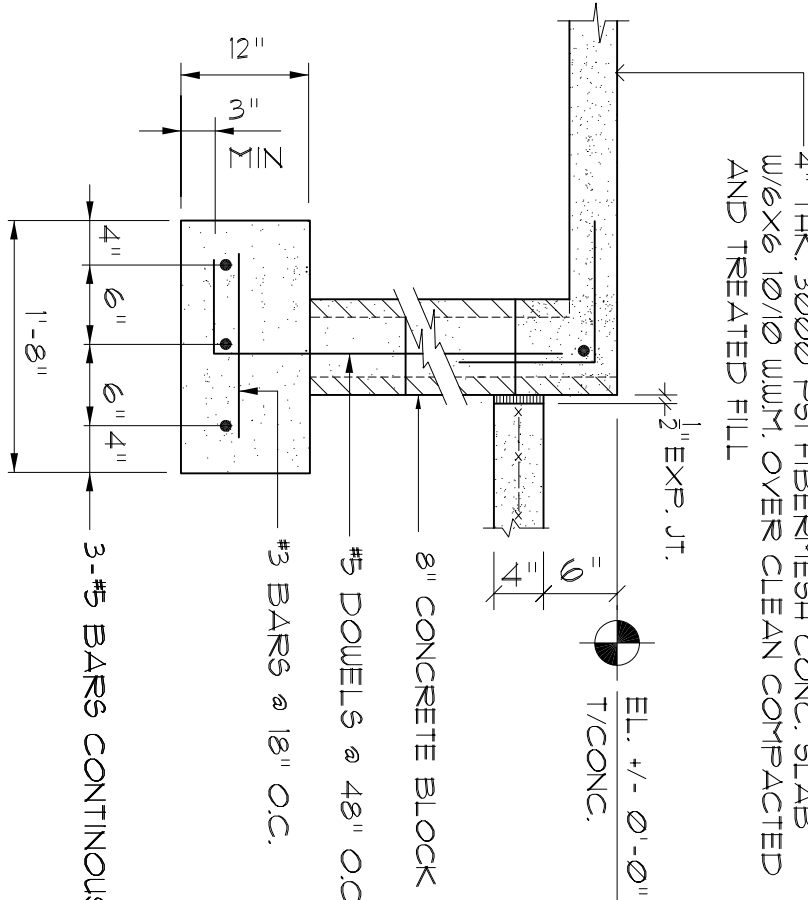


SCALE 3/4" = 1'-0"

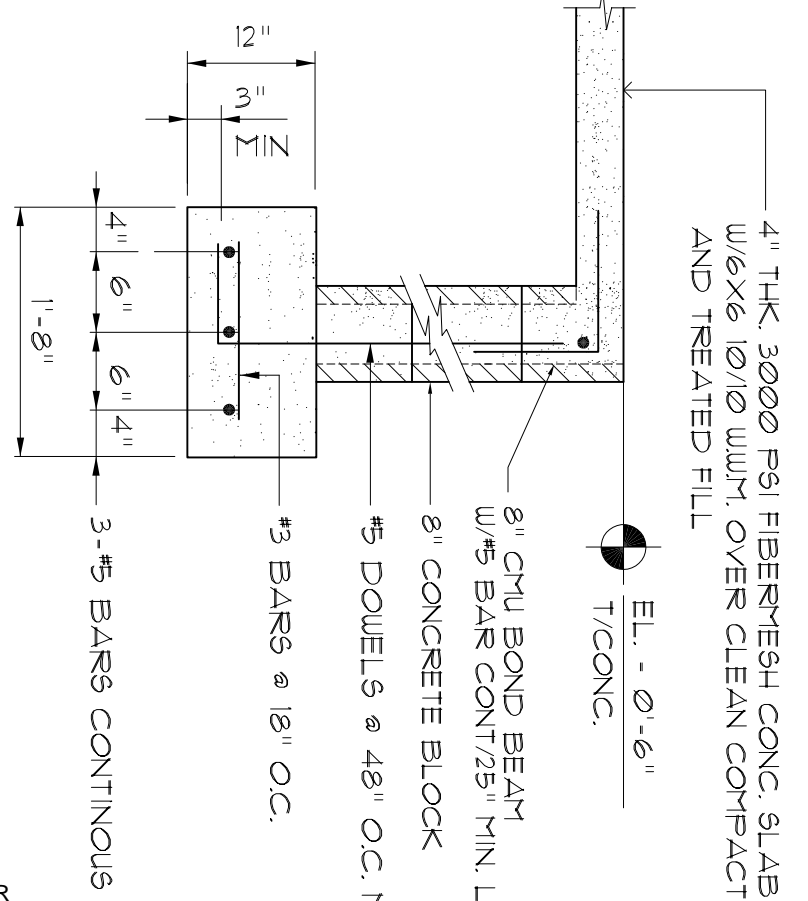
Section D  
REAR PORCH @ HOUSE  
SCALE 3/4" = 1'-0"



Section E



Section II  
REAR PORCH  
SCALE 3/4" = 1'-0"





REVISION:

DRAWN:

DJR

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COLUMBIA COUNTY, FLORIDA  
**Typical Wall Sections**

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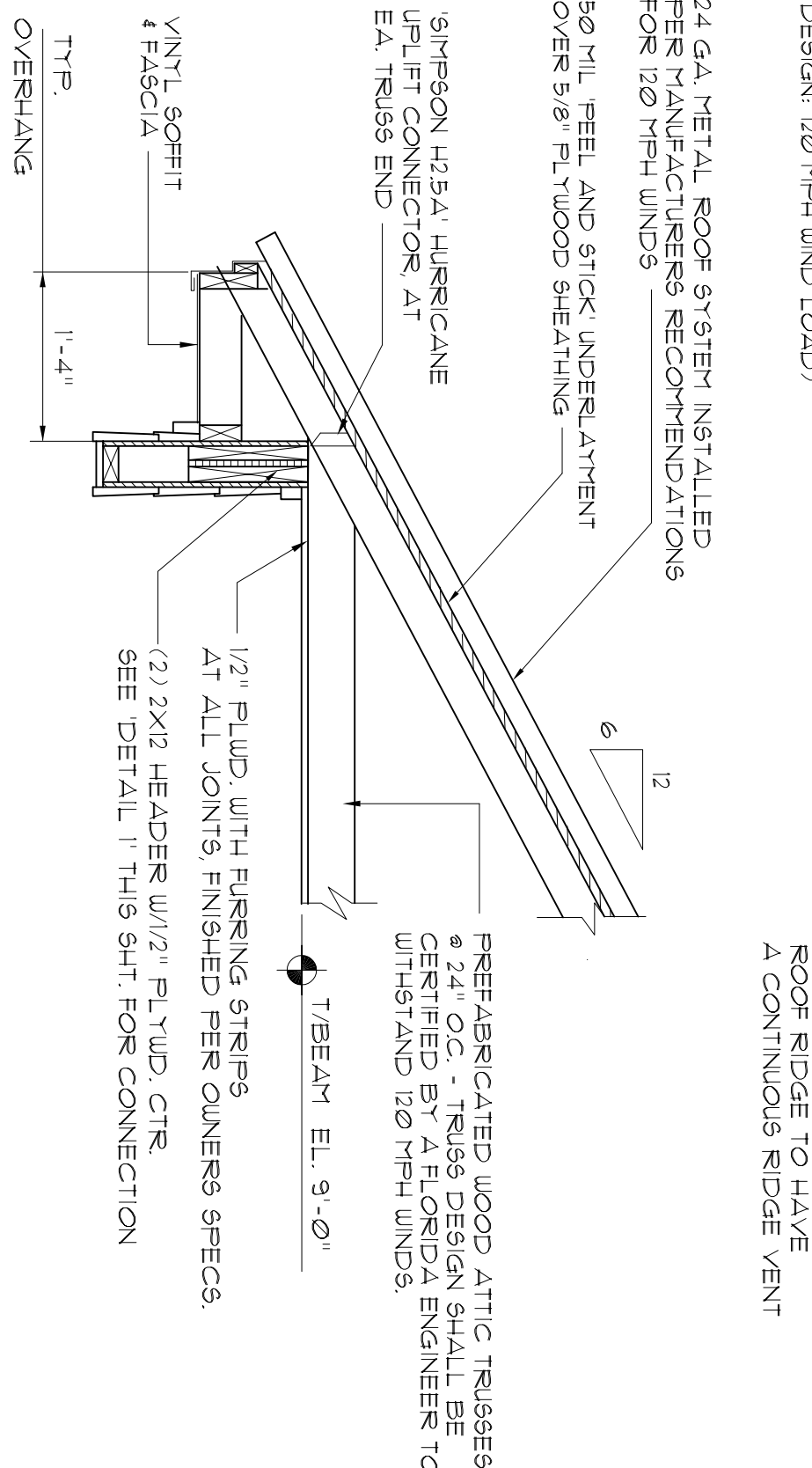
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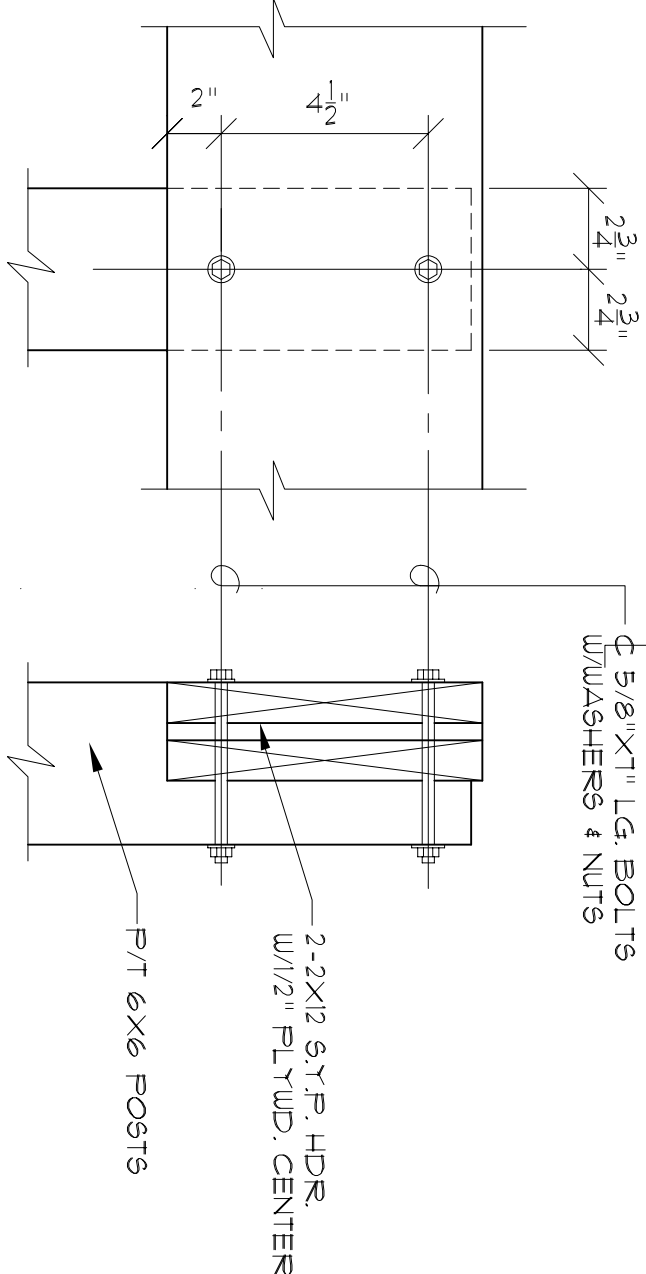
**A.6**  
6 of 14

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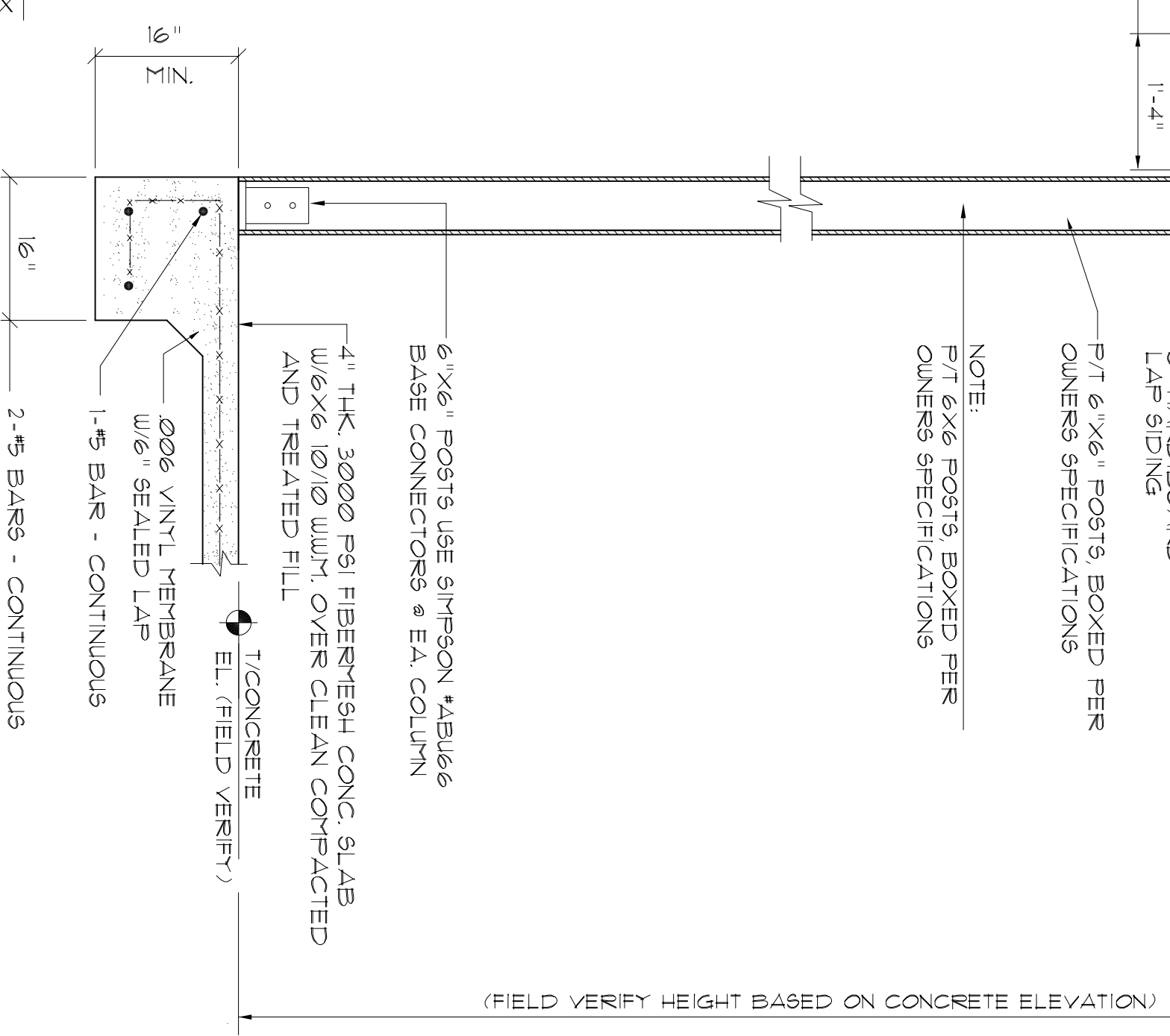
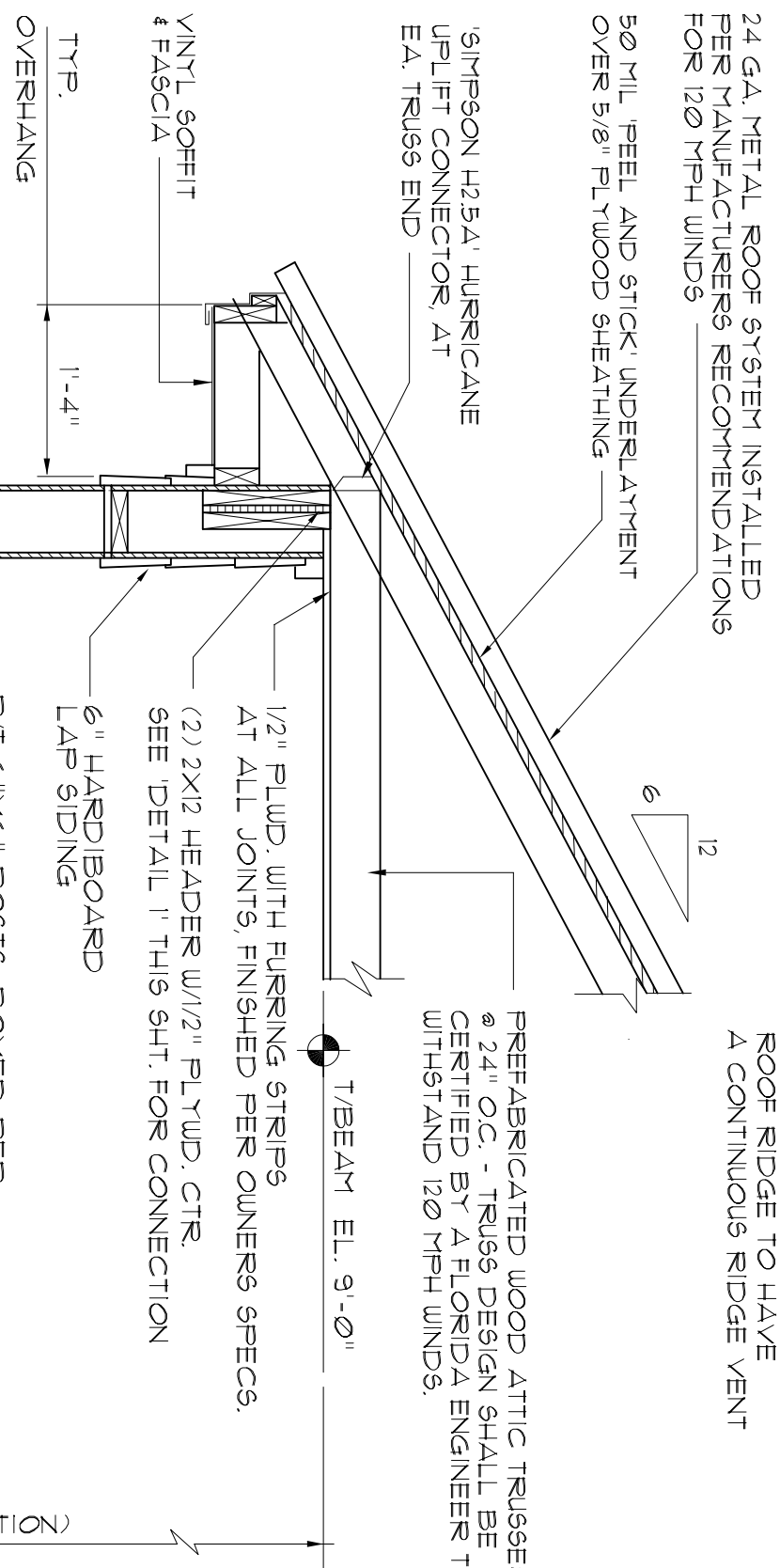


**T y p. S e c t i o n**  
**BREEZEWAY SECTION**  
SCALE 3/4" = 1'-0"



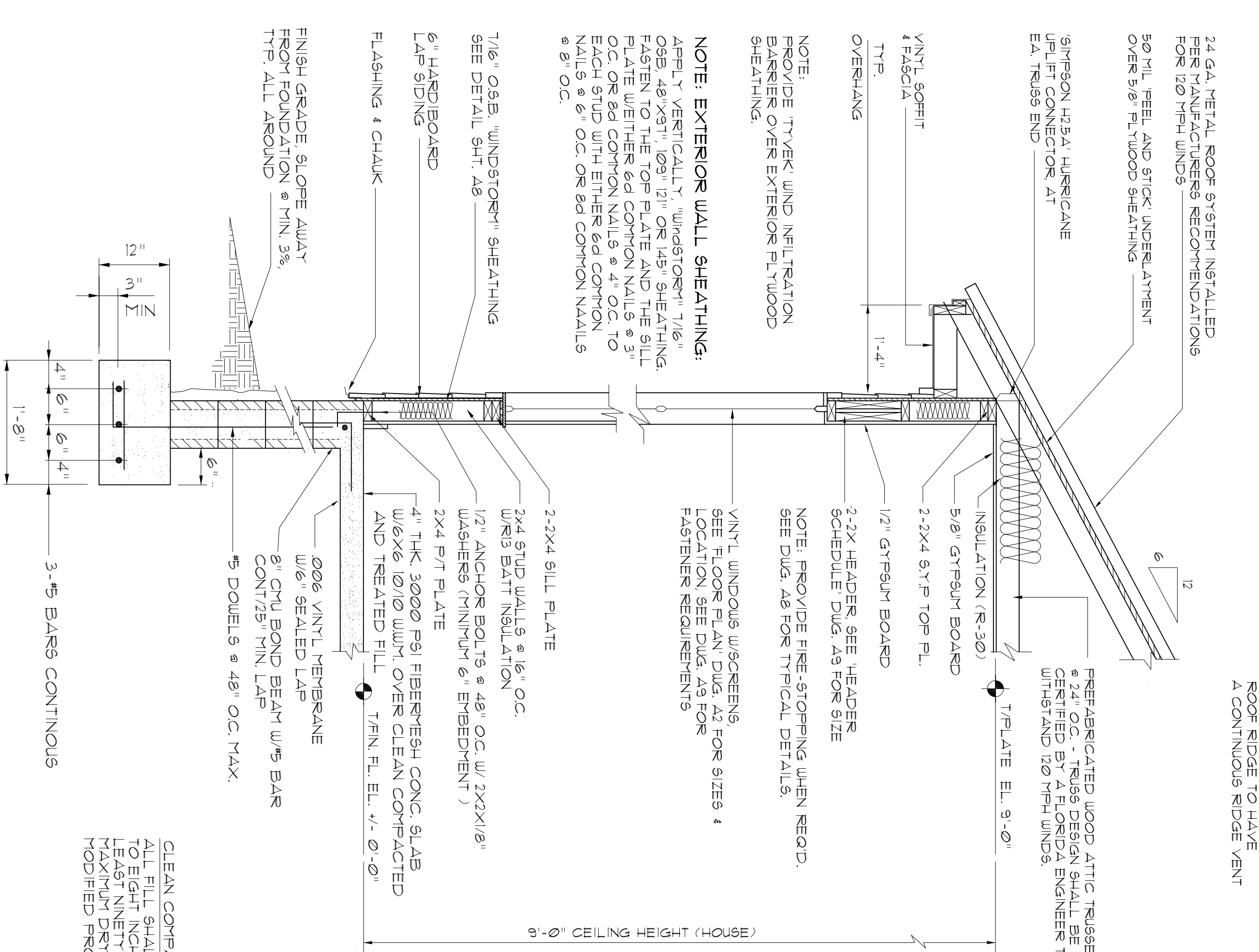
**D e t a i l**  
**BEAM / POST CONNECTION**  
SCALE: N.T.S.

GALV UPLIFT CONNECTORS SHALL BE PROVIDED AT EACH TRUSS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SECTION 1609.3 (DESIGN: 120 MPH WIND LOAD)



CLEAN COMPACTED FILL ALL FILL SHALL BE SPREAD UNIFORM T N SIX TO EIGHT INCH LIFTS AND COMPACTED TO AT LEAST NINETY FIVE PERCENT (95%) OF THE MAXIMUM DRY DENSITY OBTAINED BY THE MODIFIED PROCTOR METHOD.

**T y p. S e c t i o n**  
**CARPORT SECTION**  
SCALE 3/4" = 1'-0"



**T y p. S e c t i o n**  
**HOUSE WALL SECTION**  
SCALE 3/4" = 1'-0"

NOTE: ASSUMED SOIL BEARING CAPACITY 1500 PSF



REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:  
**Mr. Randy McRae**  
COLUMBIA COUNTY, FLORIDA  
**Partial Building Section**

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DATE:  
22/JAN/2019

COMP:

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7 of 14

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o = AR0007005 OU = ARCHITECT  
Date: 2020.06.23 10:56:03 -0500

AR0007005

## 2017 FLORIDA BUILDING CODE COMPLIANCE SUMMARY

BASIC WIND SPEED:	120 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
MUFRS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: + 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

### TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Trusses @ 24" O  
Walls: 2x4 Wood Studs @ 16" O.C.  
Floor: 4" THK Concrete Slab w/ Fibermesh Concrete Additive  
Foundation: Continuous Footer/Stem Wall

### ROOF DECKING

Material: 5/8" CDX Plywood or 5/8" OSB.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: See Nail Schedule on Sheet A10

### SHEARWALLS

Material: 7/16" OSB, "WindSTORY" Sheathing, See Sht. A8  
Sheet Size: 48"x109" Sheets Placed Vertical  
Fasteners: 8d Common Nails, See Detail on Sht. A8  
Dragstrut: Double Top Plate (5x1P) w/16d Nails @ 12" O.C.  
Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

### HURRICANE UPLIFT CONNECTORS

Truss to Wall @ House: "SIMPSON" H25A @ Ea. Truss End  
Truss to Wall @ Porch: "SIMPSON" H25A @ Ea. Truss  
Truss Wheel to Wall: "SIMPSON" H25A @ Ea. Truss  
Anchor Bolts: Header to King Studs: "SIMPSON" 5172  
Plate to Stud: "SIMPSON" 51P2  
Stud to Sill: "SIMPSON" 51P1  
Misc. Joints: "SIMPSON" A34  
Column to Beam (Porches): "SIMPSON" PC46  
Column to Beam (Garport): See DETAIL "1" Sht. A6  
Column to Base: "SIMPSON" AB166  
Anchor Bolts: Anchor Bolts: 1/2" A307 Bolts @ 48" O.C.  
Corner Hold-down Device: "All Thread" Shearwalls, See Detail Sht. A8

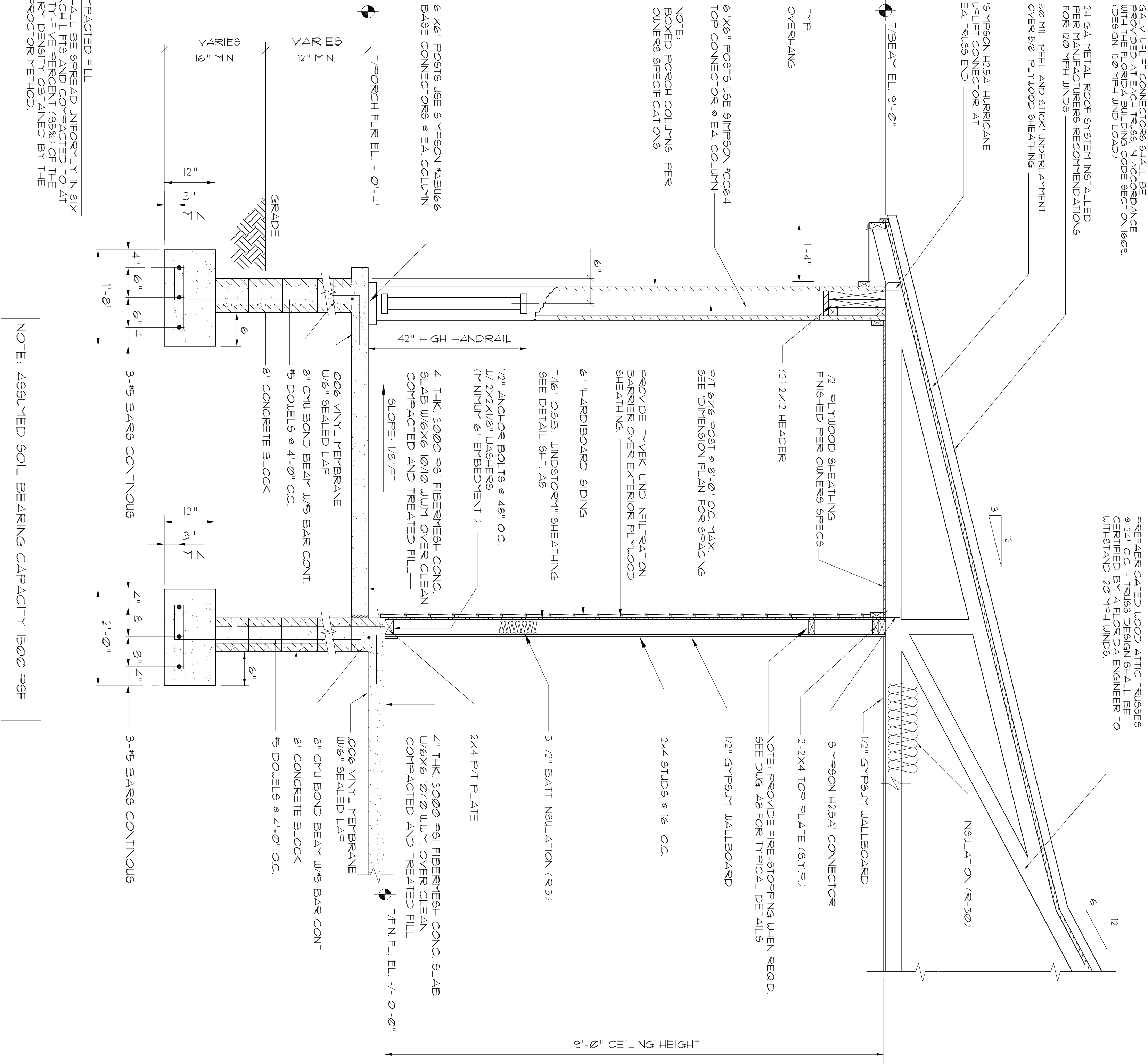
### FOUNDATIONS AND FOUNDATIONS

House Ftg.: 20"x12" w/3-#5 Bars Cont. On Wire Chairs @ 48" O.C.  
Garport Ftg.: 16"x16" Handl'ing w/2-#5 Bars Cont. On Wire Chairs @ 48" O.C.  
Stemwall: 8" CMU w/1-#5 Vertical Dowel @ 48" O.C.

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609,  
FLORIDA BUILDING CODE, 2017 EDITION.

NOTE: ROOF RIDGE TO HAVE  
A CONTINUOUS RIDGE VENT

PRE-FABRICATED WOOD ATTIC TRUSSES  
@ 24" O.C. - TRUSSES SHALL BE TO  
CERTIFIED BY A FLORIDA ENGINEER TO  
WITHSTAND 120 MPH WINDS.



CLEAN COMPACTED FILL  
ALL FILL SHALL BE SPREAD UNIFORMLY IN SIX  
TO EIGHT INCH LIFTS AND COMPACTED TO AT  
LEAST NINETY-FIVE PERCENT (95%) OF THE  
MAXIMUM DRY DENSITY OBTAINED BY THE  
MODIFIED PROCTOR METHOD.

NOTE: ASSUMED SOIL BEARING CAPACITY 1500 PSF

**Partial Building Section K**  
SCALE 3/4" = 1'-0"  
WALL SECTION AT FRONT PORCH



**UNDERSTORY EXTERIOR WALL SHEATHING:**

APPLY VERTICALLY, UNDERCUT<sup>1</sup> 7/8" O.S.B. @ 48" x 91"<sup>2</sup>, 109 1/2" @ 91" x 145 1/2". FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMON NAILS @ 3' OC, OR 6d COMMON NAILS @ 4' OC, FASTEN TO EACH STUD WITH EITHER 6d COMMON NAILS @ 6' OC, OR 6d COMMON NAILS @ 8' OC.

**SHEATHING NOTES:**

1. ALL SHEATHINGS SHALL BE TYPE 2 SHEATHINGS AS DENIED BY STD. 00-31 BECCI 305-43.

2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 7/8" O.S.B. INCLUDING AREAS ABOVE AND BELOW OPENINGS.

3. ALL SHEATHING SHALL BE ATTACHED TO RAILING PANELS AT FOUR EDSH SPACING JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON RAILING MEMBERS OR ALONG BLOCKING.

4. NAIL SPACING SHALL BE 4" OC EDGES AND 8" OC IN THE FIELD.

5. TYPE 2 SHEATHINGS ARE DESIGNED FOR USE IN TYPICAL RAFTON HEIGHT OF OPENING SHALL BE SIX TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE FROM THE BOTTOM OF THE WALL HEIGHT SHALL BE 8'-0" UNLESS NOTED OTHERWISE.

OPENING WIDTH	SILL PLATES	6d TOP NAILS
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
E 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
E 9' TO 10'-0"	(5) 2x4 OR (1) 2x6	3

PLACEMENT OF CONCRETE SLAB, HOLES, CLEANS, AND DUST SET EXPORT GET

PROVIDE 5/8" ROD WITH 5" EXTENDING TO 2" X 7" X 1/2" BOLT HEADS FOR WALL BRACKETS. PROVIDE 5" PLATE RODS 5" OR CONCRETE OPENINGS AND ALONG ALL WALL

PLACEMENT OF CONCRETE SLAB, HOLES, CLEANS, AND DUST SET EXPORT GET

W

Technical drawing of a double door assembly, showing side and end elevations with dimensions and labels.

**Side Elevation Labels:**

- DOUBLE TOP PLATE
- DOUBLE FRT BOT. PL.
- (4) 2X4 MINIMUM
- (2) 4800 lb CAPACITY ANCHORS EACH END
- 5/8" ALL-THREAD ROD W/ EXERT
- WALL SHEATHING BOTH SIDES OF WALL W/ 8d NAILS @ 3" OC. ALONG ALL EDGES
- GDO HEADER PER PLAN

**Dimensions:**

- 12" MIN. (Top Plate)
- 8'-0" MAX. (Overall Width)
- 2'-0" MIN. (Header Height)
- 1" (Rod Diameter)

**End Elevation Labels:**

- NAIL ENTIRE CORNER ZONE AT 3" OC. BOTH WAYS
- CORNER SHEATHING (SINGLE PIECE)/DETAIL

**NOTE:**

SHEATHING ON BOTH SIDES DOUBLES THE EFFECTIVE SHEARWALL LENGTH

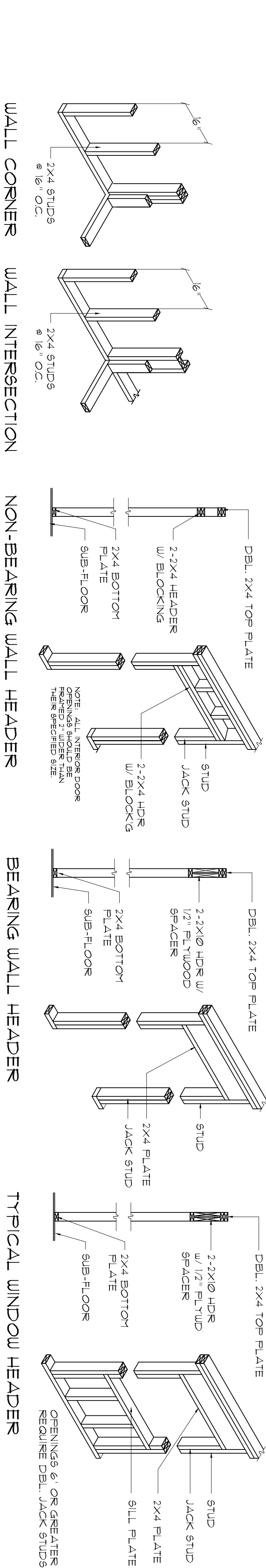
**EXTERIOR WALL SHEATHING:**

APPLY VERTICALLY 1/4" OSB 48" x 91", 123", 121" OR 45" SHEATHING FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMON NAILS @ 3" OC. OR 8d COMMON NAILS @ 4" OC. FASTEN TO EACH STUD WITH EITHER 6d COMMON NAILS @ 6" OC. OR 8d COMMON NAILS @ 6" OC.



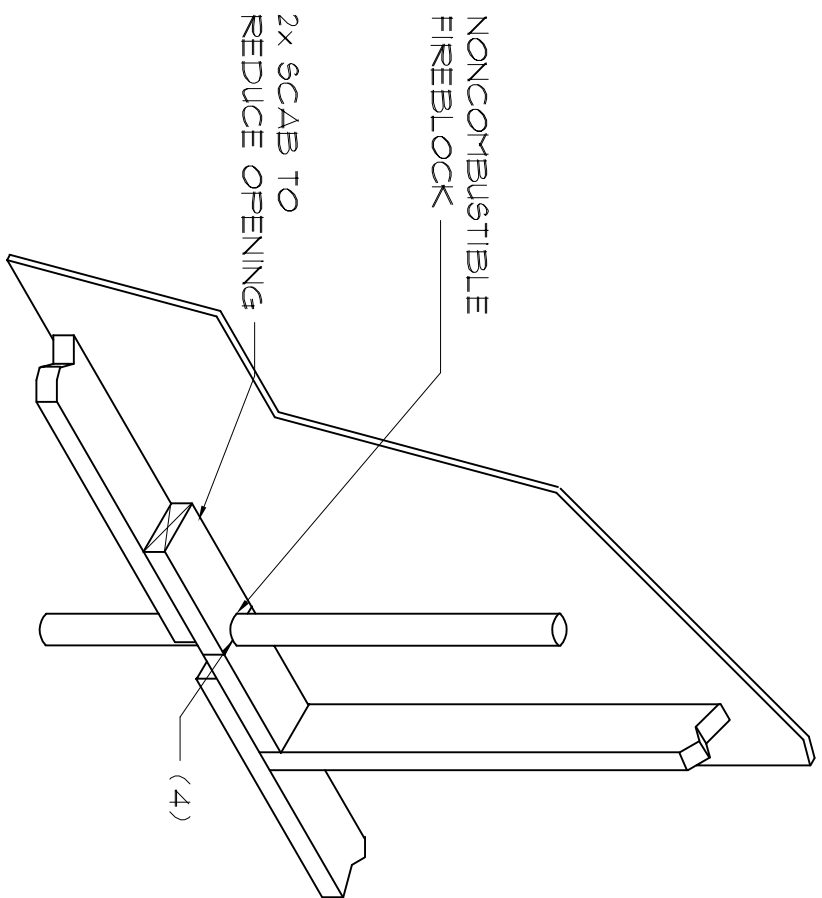
## SCALE: 1/2" = 1'-0"

57



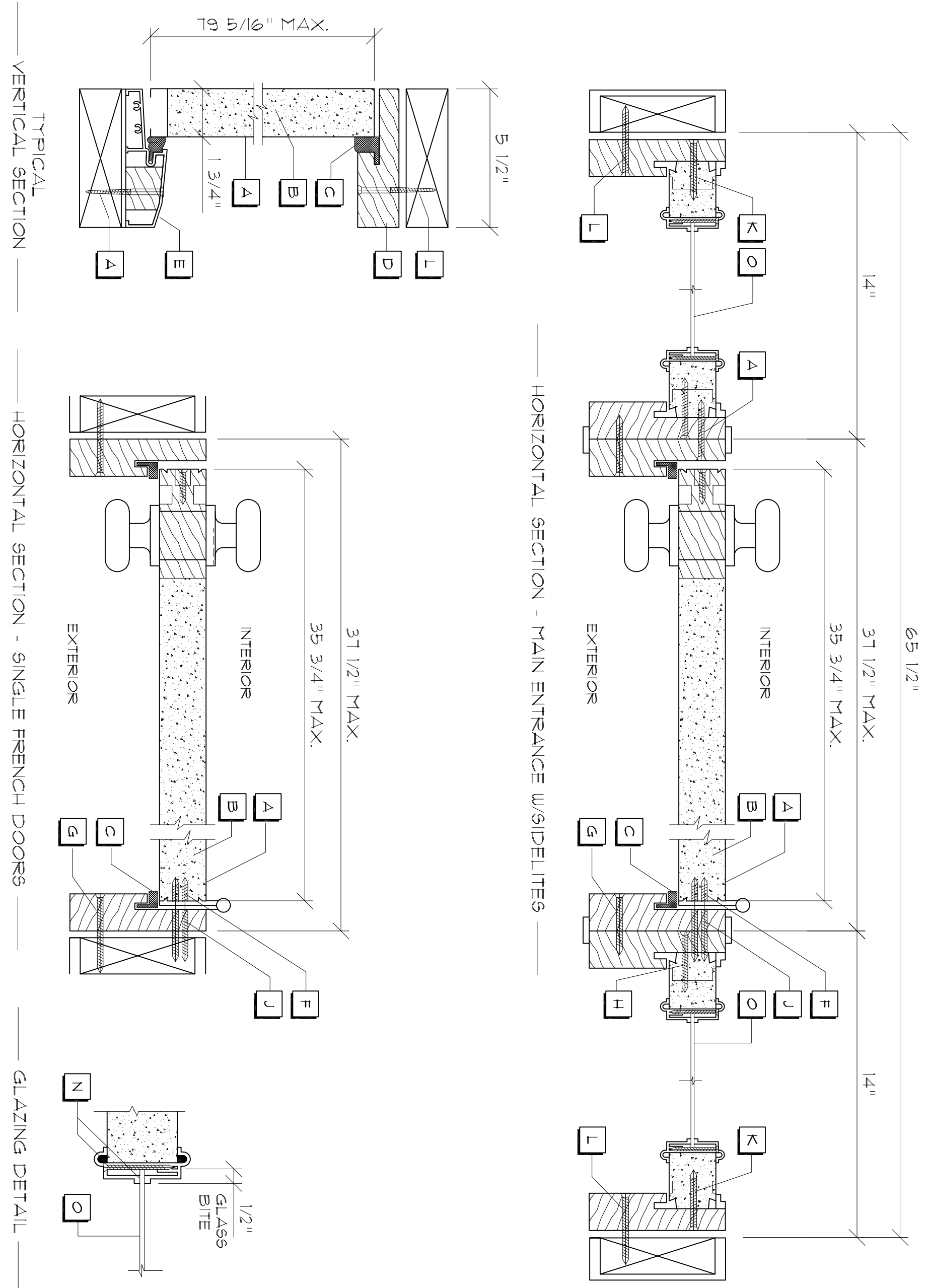
SCALE: 1/4" = 1'-0"

# Perpetrators



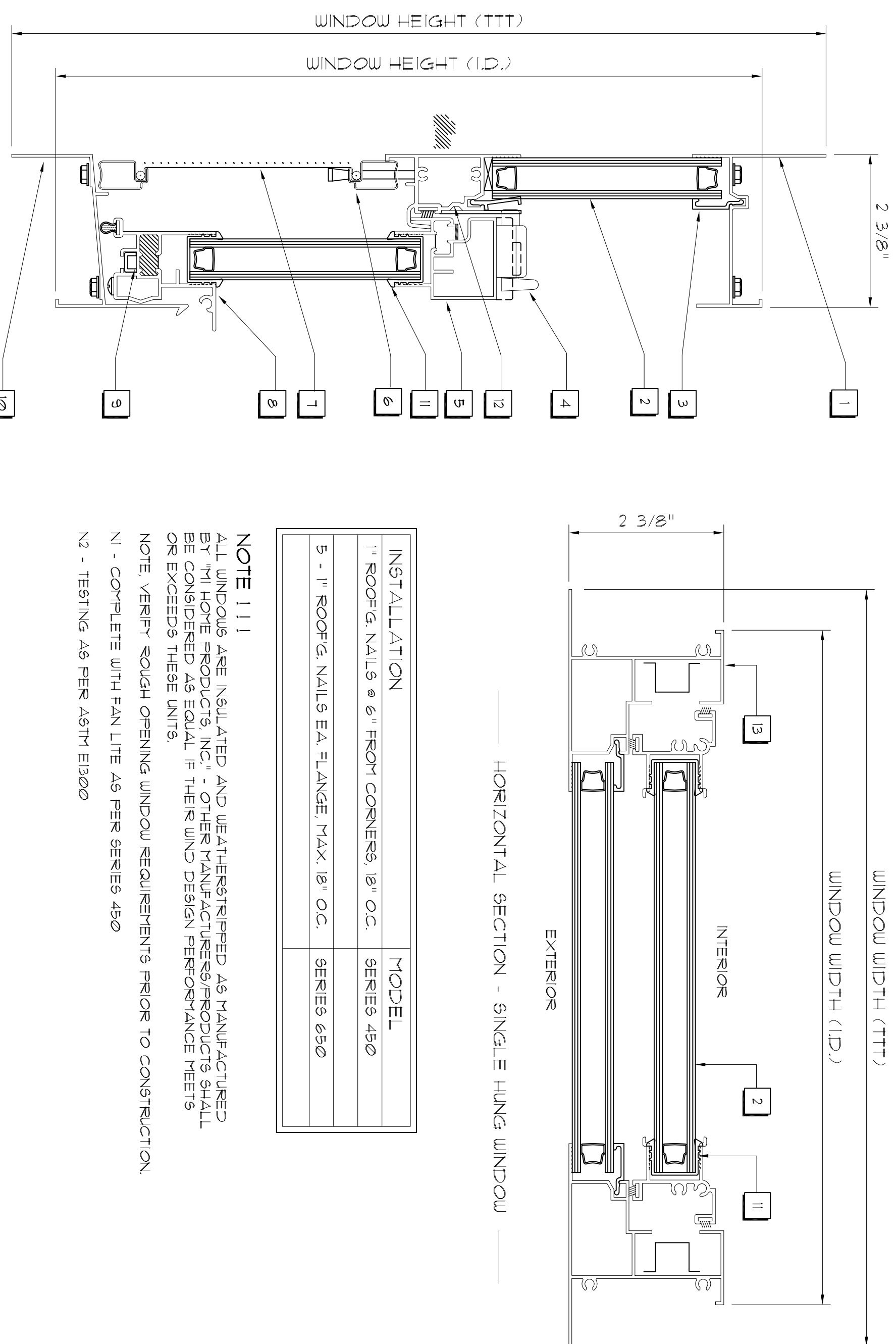
## SCALE : NONE





Typ. Exterior Door Jamb Details

SCALE : NONE



Typ. Window Jamb Details

SCALE : NONE

Door Notes

- A STEEL SKIN - 16 GA.
- B POLYURETHANE FOAM CORE
- C COMPRESSION WEATHER STRIP
- D WOOD HEAD JAMB
- E ALUMINUM BUMPER THRESHOLD
- F #0-24 X 1/2" F.H.W.S. (4) SCREWS PER HINGE INTO DOOR
- G #0 X 2" F.H.W.S. (5) SCREWS THROUGH HINGE JAMB 8" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER
- H #0 X 2" F.H.W.S. (10) SCREWS THROUGH STRIKE JAMB INTO SIDELITE JAMB, 4" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER INTO DOOR JAMB.
- I #0 X 2" F.H.W.S. (4) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER
- J #0 F.H.W.S. W/ MIN. 1 1/2" EMBEDMENT OR 3/16" FPH TAPCONS W/ MIN. 1 1/2" EMBEDMENT, (14) PER HEAD & SILL, (6) PER JAMB
- K #0 X 1 3/4" F.H.W.S. (3) PER SIDE FROM JAMB INTO THRESHOLD
- L SHERWIN WILLIAMS 850A EXTERIOR GRADE LATEX CAULK
- M TEMPERED / INSULATED GLASS WINDOW

DESIGN PRESSURE RATINGS *		
POSITIVE	+16.0 PSF	
NEGATIVE	+16.0 PSF	

NOTE !!!  
EXTERIOR DOORS SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:  
SERIES ENERGY 6-8 W/E INSULING OPGRADE RESIDENTIAL INSULATED STEEL DOOR W/ STEEL FRAME AS MFD BY "PREVENDOR ENTRY 915TERH6"

Window Notes

- 1 FLANGED HEAD
- 2 INSULATED GLASS
- 3 GLAZING BEAD
- 4 LOCK
- 5 SASH TOP RAIL
- 6 SCREEN FRAME
- 7 FIBERGLASS MESH
- 8 BOTTOM SASH RAIL
- 9 PIVOT BAR
- 10 FLANGED SILL
- 11 MARINE GLAZING
- 12 FIXED MEETING RAIL
- 13 FLANGED JAMB

NOTE !!!  
OTHER MANUFACTURERS/PRODUCTS SHALL BE CONSIDERED AS EQUAL IF THEIR WIND DESIGN PERFORMANCE MEETS OR EXCEEDS THESE UNITS.

WINDOW FASTENER SCHEDULE

SIZE	DESCRIPTION	INSTALLATION	MODEL
40X20	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
30X16	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
30X20	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
30X20	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
30X20	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
2-30X50	TWIN - SINGLE HUNG VINYL SASH W/INSL. GLASS	5 - 1" ROOFG. NAILS EA. FLANGE, MAX. 18" O.C.	SERIES 650

ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY "M HOME PRODUCTS, INC." OTHER MANUFACTURERS/PRODUCTS SHALL BE CONSIDERED AS EQUAL IF THEIR WIND DESIGN PERFORMANCE MEETS OR EXCEEDS THESE UNITS  
NOTE: VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.  
N1 - COMPLETE WITH FAN LITE AS PER SERIES 450  
N2 - TESTING AS PER ASTM E1300

Digitally signed by: N. P. GEISLER  
DN: CN = N. P. GEISLER C = US  
O = AR0007005 OU = ARCHITECT  
Date: 2020.06.23 11:21:33 -05'00'

AR0007005

DATE: 22/JAN/2019

COMP: A.9  
9 of 14

SHEET: A.9  
9 of 14

NICHOLAS GEISLER ARCHITECT, INC.

1755 NE Brown Rd.  
Lake City, FL 32055  
386-365-4355

DAVID J. ROYAL ARCHITECTURAL DESIGNER

Lake City, Florida • 386-752-4610

REVISION:

DESIGN: DJR

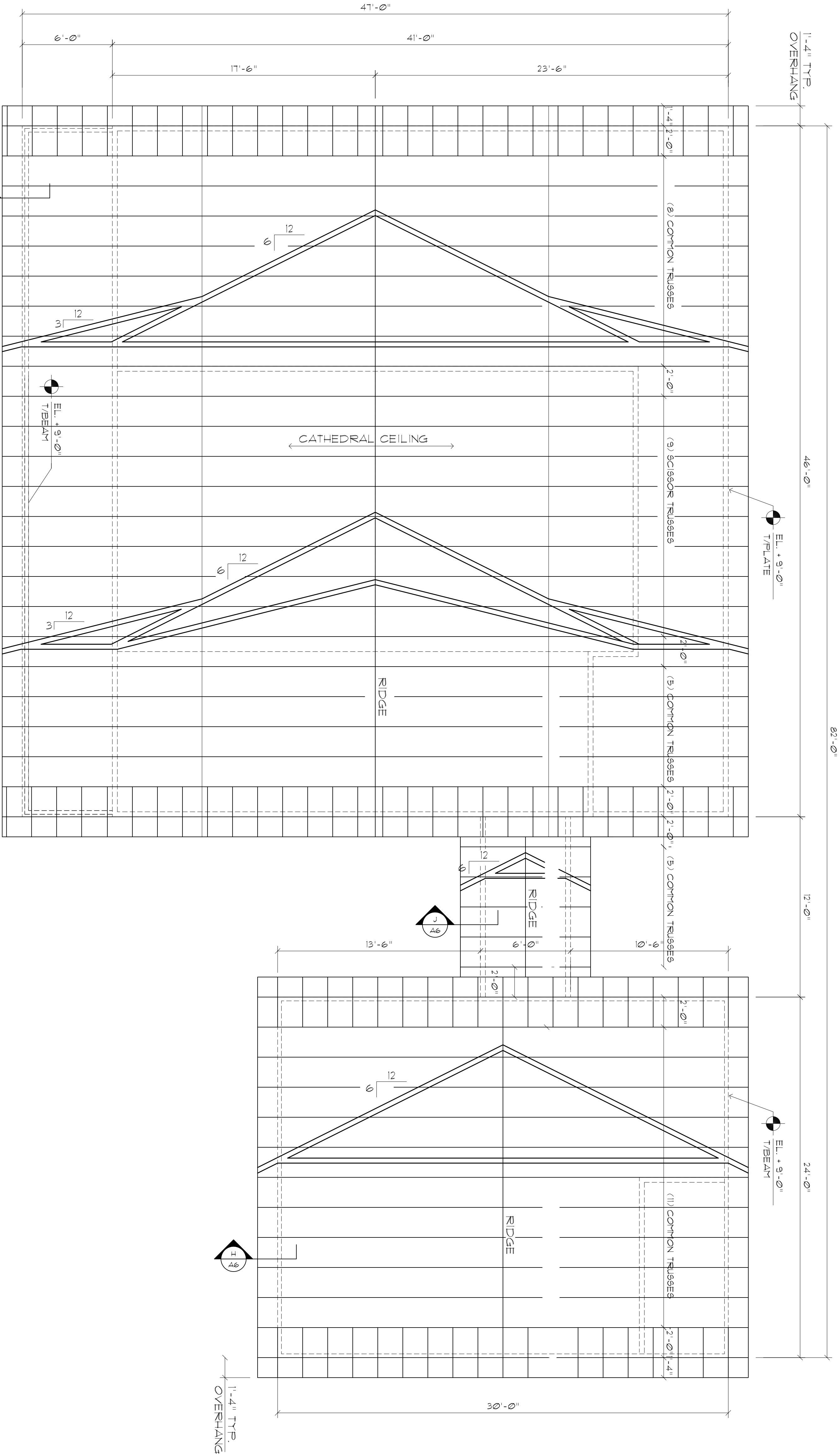
CUSTOM DESIGNED HOME FOR:

Mr. Randy McRae

COLUMBIA COUNTY, FLORIDA

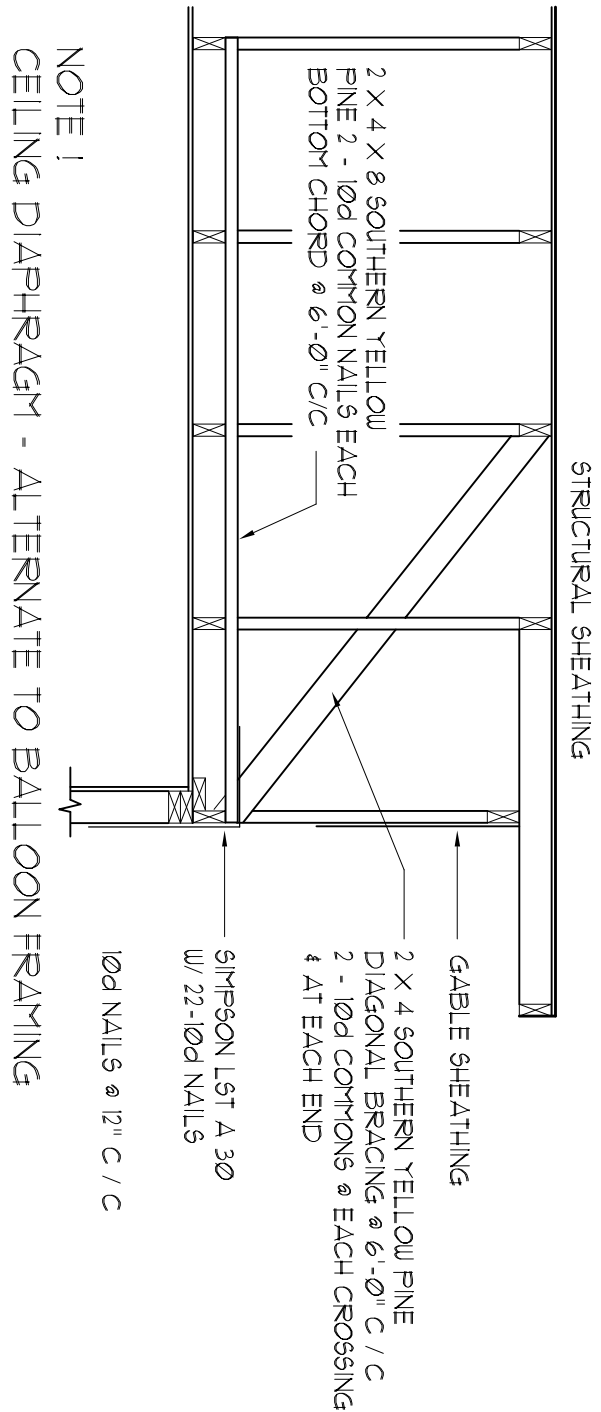
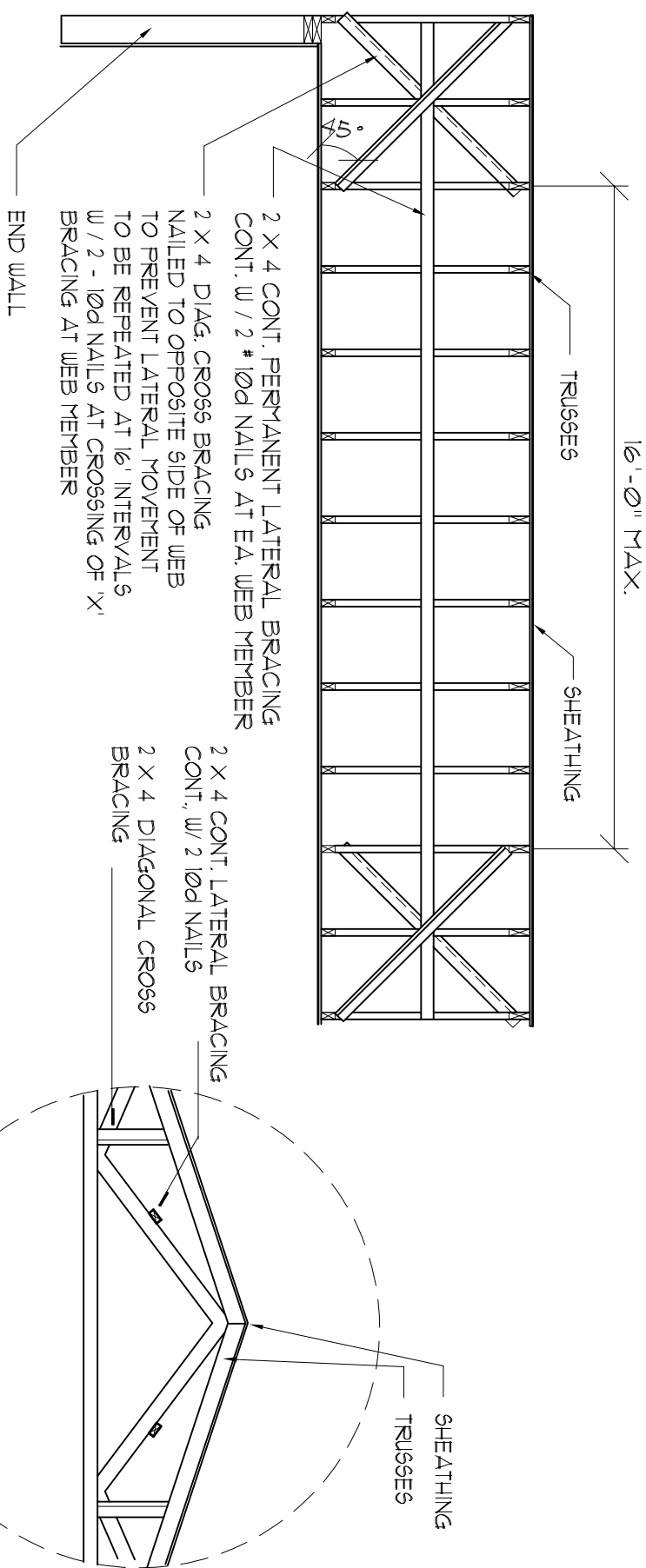
Door / Window Details





Roof Framing Plan

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



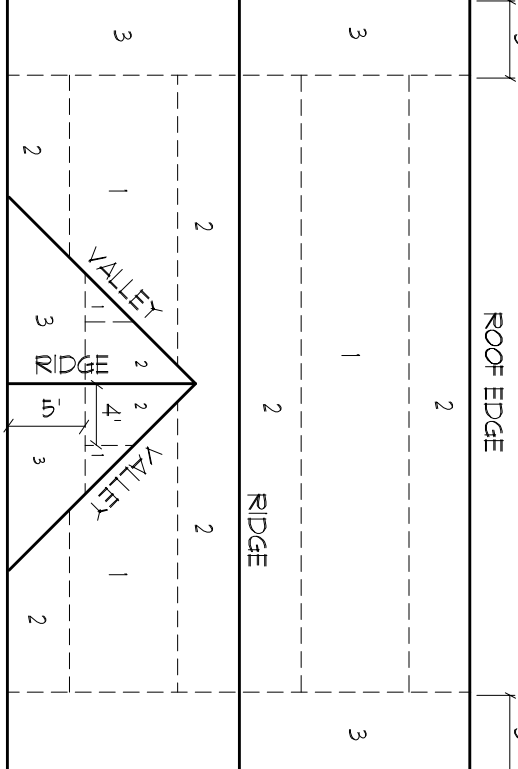
Typ. Permanent Bracing

SCALE : NONE

End Wall

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

ROOF SHEATHING FASTENINGS			
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING
1			6 in. o.c. EDGE 12 in. o.c. FIELD
2	5/8" CDX PLYWOOD OR 7/16" OSB.	10d COMMON OR GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD
3			4 in. o.c. GABLE ENDWALL OR GABLE TRUSS OR 6 in. o.c. EDGE 12 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES (GABLE ROOF)

Roof Nail Pattern

SCALE : NONE

SHOP Dwg COORDINATION: THE TRUSS ANCHOR STRAPS AS INDICATED IN THE CONSTRUCTION DOCUMENTS ARE SUGGESTED STRAPS AND THAT THE TRUSS ENGINEERED SHOP DRAWING LOADS TAKE PRECEDENCE OVER THAT INDICATED IN THE CONSTRUCTION DOCUMENTS. THE UPLIFT LOADS INDICATED FOR EACH TRUSS IN THE ENGINEERED TRUSS SHOP DRAWING ARE THE UPLIFT LOADS FOR THE TRUSS. THE UPLIFT LOADS FOR COMPARABLE UPLIFT CONNECTORS AND THAT THE PRODUCTS THAT PROVIDE EQUAL OR GREATER UPLIFT RESISTANCE FOR THE LISTED LOADS MAY BE USED IN LIEU OF THOSE INDICATED IN THE CONSTRUCTION DOCUMENTS OR AS APPROVED BY THE BUILDING OFFICIAL.

THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO THE TRUSS TO TRUSS CONNECTIONS. THE UPLIFT LOADS FOR ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 120 LBS OR GREATER TRUSSES BEARING ON INTERIOR PARTITIONS WHERE UPLIFT LOADS ARE PRESENT SHALL REQUIRE ANCHORS OF EQUAL OR GREATER LOAD CAPACITY THAN THAT INDICATED BY THE TRUSS SHOP DRAWINGS THE UPLIFT ANCHOR STRIPS SHALL BE CONTINUOUS TO THE FOUNDATION.

WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION REQUIRED TO MAINTAIN THE STRUCTURE IN A UPRIGHT POSITION SHALL BE PROVIDED BY THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE LINES OF THE "TRUSS PLATE INSTITUTE".
- ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME. TRUSS DESIGN CONNECTIONS TO THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE TRUSS PLATE INSTITUTE.
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN #2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS HAVE LISTED OR AS CALLED FOR IN THE PLAN AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CONNECTIONS.
- THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER FLORIDA BUILDING CODE 1606 AND LOCAL JURISDICTION REQUIREMENTS.
- SHEATH ROOF W/ 5/8" CDX PLYWOOD OR OSB W/ LONG EDGE PERPENDICULAR TO THE ROOF TRUSSES SECURE TO FRAMING W/ 10d NAILS PER NAILING & CONNECTOR SCHEDULE.

NOTES:

- WORK THIS DRAWING WITH TRUSS PROFILES AND DESIGN LAYOUT PROVIDED BY A CERTIFIED FLORIDA ENGINEER TO WITHSTAND 120 MPH WINDS.

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:  
Mr. Randy McRae  
COLUMBIA COUNTY, FLORIDA  
Truss Layout PLAN

DAVID J. ROYAL  
ARCHITECTURAL DESIGNER  
Lake City, Florida • 386-752-4610

DAVID J. ROYAL  
ARCHITECTURAL DESIGNER  
Lake City, Florida • 386-752-4610

DATE:

22JAN2019

COMP:

SHEET:

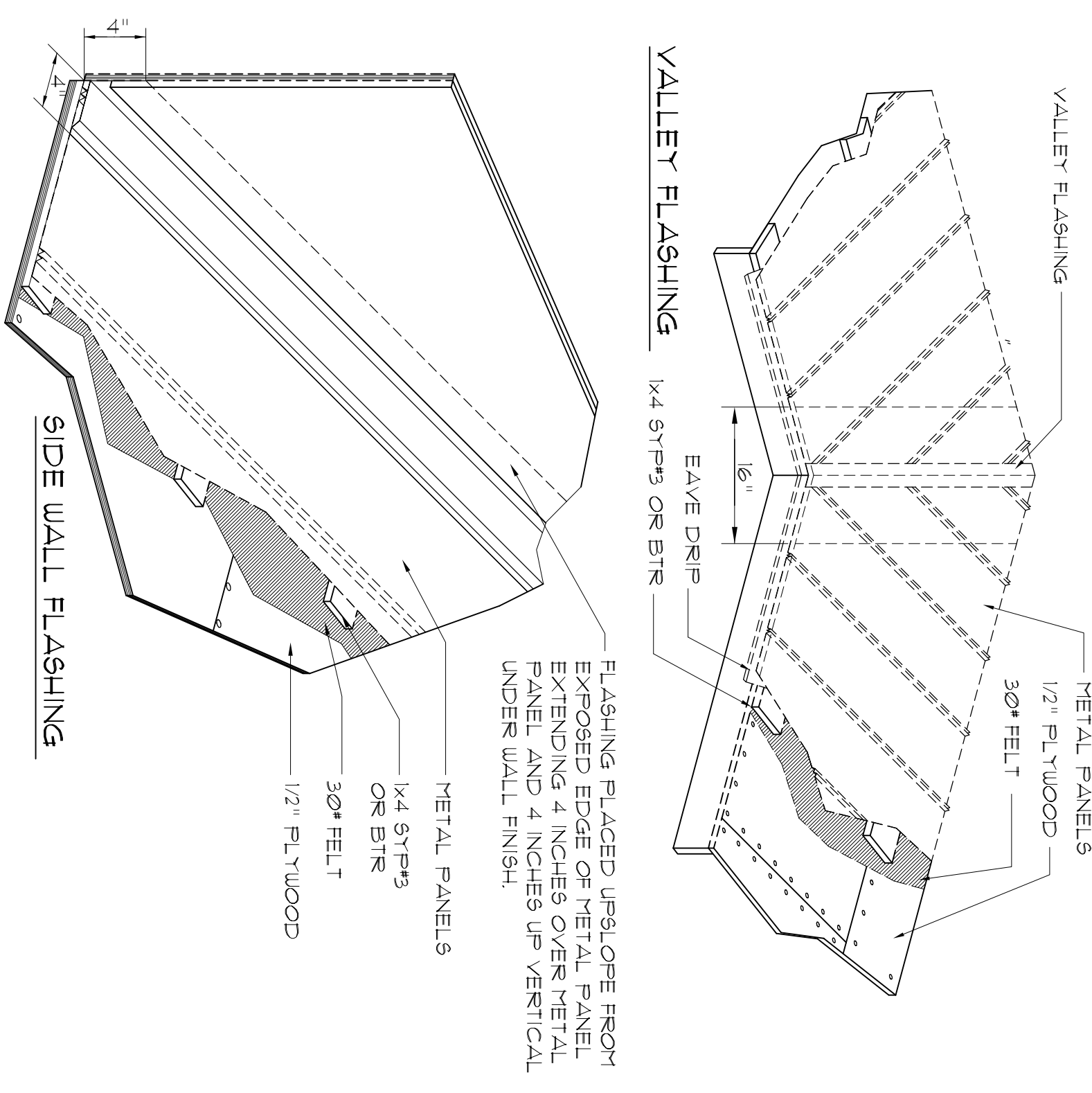
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10 of 14

Digitally signed by: N. P. GEISLER  
DN: CN = N. P. GEISLER C = US  
O = AR0007005 OU = ARCHITECT  
Date: 2020.06.23 11:22:37 -0500

AR0007005



5M-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES MANUFACTURERS 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 SPACING	10" - 11"	12" - 13"	14" - 15"	16" - 17"	18" - 19"	20" - 21"
1	WD. SCREW	9/8 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL. SCR.	9/8 X 1 1/2"	< 18 GA	36"	18"	24"	12"	24"	12"
2 & 3	WD. SCREW	9/8 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	8"
	MTL. SCR.	9/8 X 1 1/2"	< 18 GA	36"	18"	24"	12"	24"	8"



### 5M-RIB PANEL INSTALLATION NOTES

**UNDERLAYMENT APPLICATION:**  
FOR ROOF SLOPES FROM 3/12 TO 4/12, UNDERLAYMENT SHALL BE A MIN OF TWO LAYERS, APPLIED AS FOLLOWS:  
1.1 STARTING AT THE EAVE, A 18 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 FELLT SHALL BE APPLIED OVERLAPPING SUFFICIENTLY TO STAY IN PLACE.  
FOR ROOF SLOPES 4/12 AND GREATER, UNDERLAYMENT SHALL BE A MIN OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.  
2. IF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:  
2.1 UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

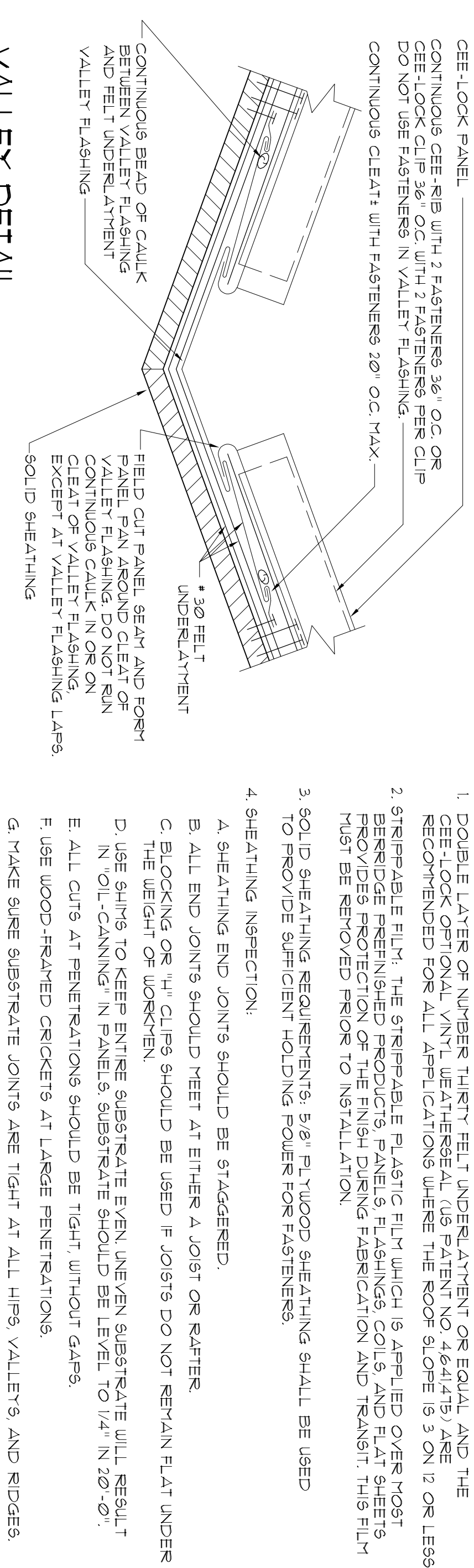
**FOR ROOF SLOPES 4/12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:**  
1. STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.  
2. IF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS:  
2.1 UNDERLAYMENT SHALL BE APPLIED SINGLE FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

**BASE AND CAP FLASHING:**  
BASE FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ THESE INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OR MINIMUM NOMINAL THICKNESS .009 INCH OR METAL 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 .009 INCH.  
**VALLEYS:**  
VALLEYS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURERS INSTALLATION INSTRUCTIONS BEFORE APPLYING ROOFING MATERIAL. VALLEY LINGS OF THE FOLLOWING TYPES SHALL BE PERMITTED:  
1. OPEN VALLEY'S LINED WITH METAL, THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN REC. TABLE 607132.  
2. OPEN VALLEY'S, VALLEY LINING OF TWO PLIES OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM VALLEY'S SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.  
3. CLOSED VALLEY'S SHALL BE 18 INCHES WIDE AND BE ONE OF THE FOLLOWING:  
1. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.  
2. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 9120.

**DECK REQUIREMENTS:**  
1. INSTALL CLIPS AT PER BERBRIDGE TYPICAL, CEE-LOCK PANEL DETAILS.  
2. CLIP SPACING ON SOLID SHEATHING TYPICALLY 36" ON CENTER.

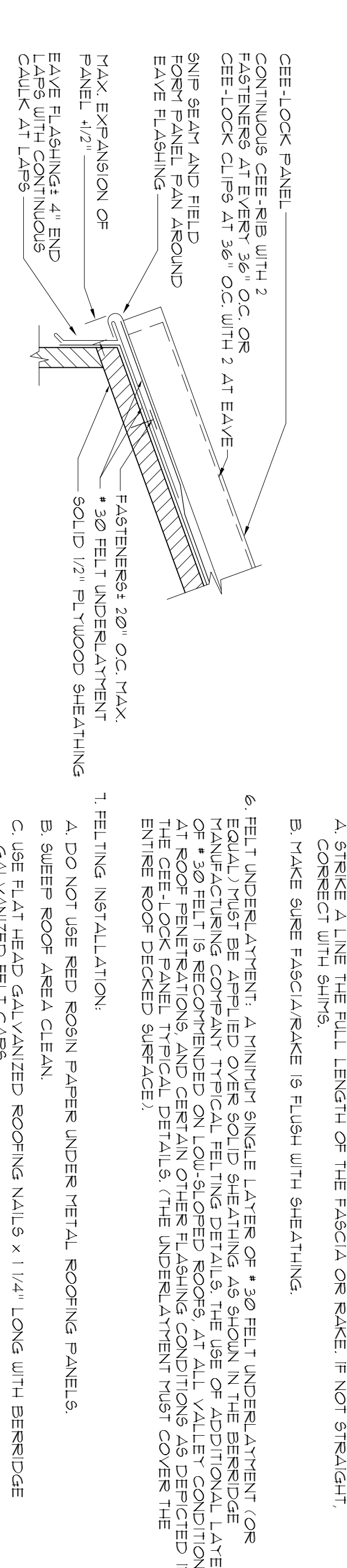
**CLIPPING:**  
CLIPPING SHALL BE USED ONLY ON ROOF SLOPES OF 3/12 OR GREATER.  
**FASTENERS:**  
FASTENERS FOR METAL PANELS SHALL BE GALVANIZED WOOD FASTENERS MIN OF 9/8 X 1 1/2" HEX. HEAD. BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ THESE INSTALLATION INSTRUCTIONS.

### STANDING SEAM PANEL INSTALLATION NOTES



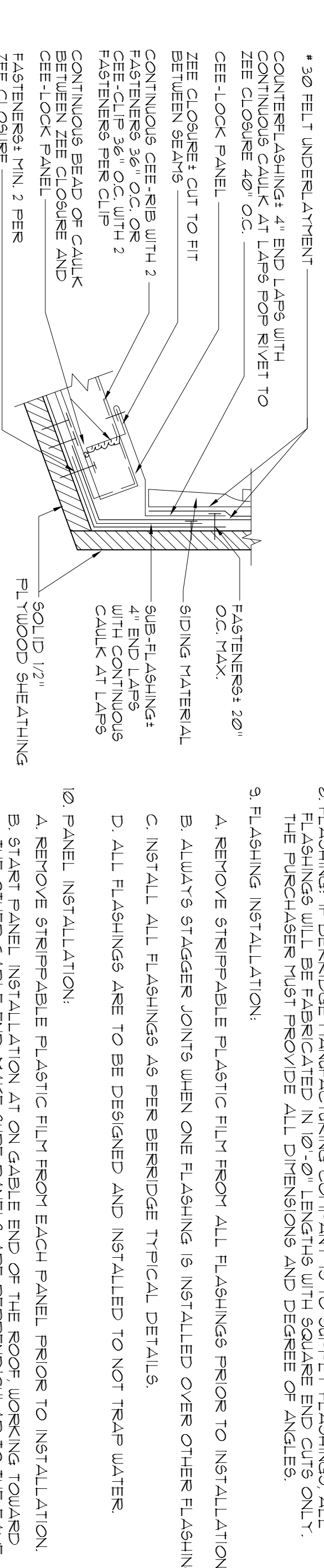
SCALE: NONE

### VALLEY DETAIL



### EAVE DETAIL

SCALE: NONE



### FLASHING DETAIL

SCALE: NONE

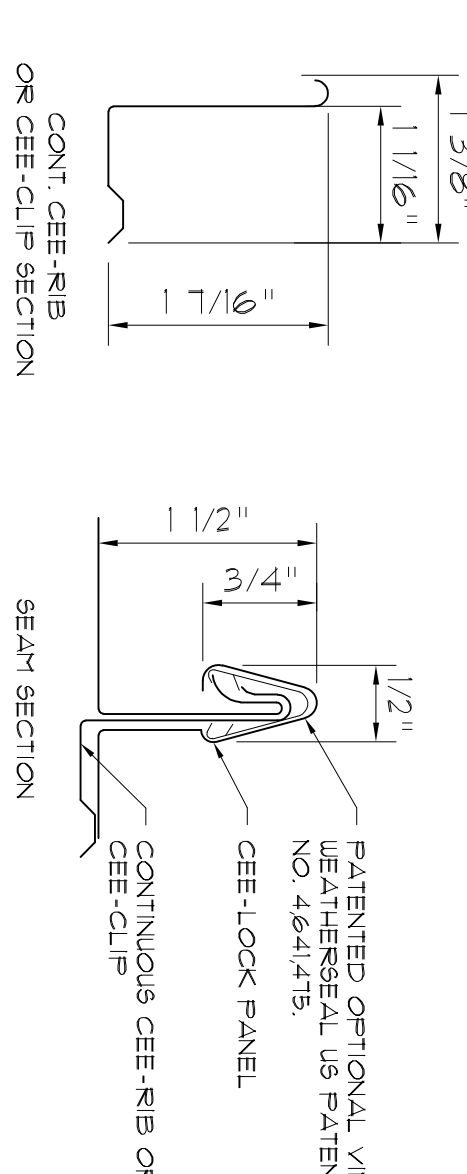
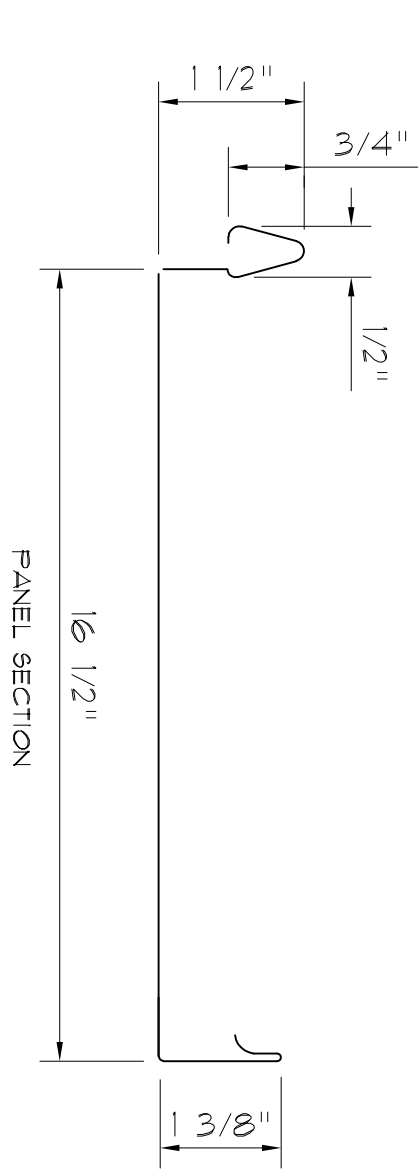
**NOTE:** ALL FELT UNDERLAYMENT CALKING AND FASTENERS SHALL BE FINISHED AND INSTALLED BY THE ROOFING INSTALLER.  
ALL ARCHITECTURAL PANELS ARE 24 GAUGE METAL TAKE CARE IN HANDLING AND INSTALLATION TO AVOID DAMAGING OR DEFORMING THE PANELS.

### NOTE:

THE STANDING SEAM METAL ROOF SYSTEM SHALL COMPLY WITH BERBRIDGE MANUFACTURING COMPANY'S SPECIFICATIONS. DETAILS AS SHOWN ON THIS DRAWING ARE APPROVED PRODUCT OF BODAL DESIGN.

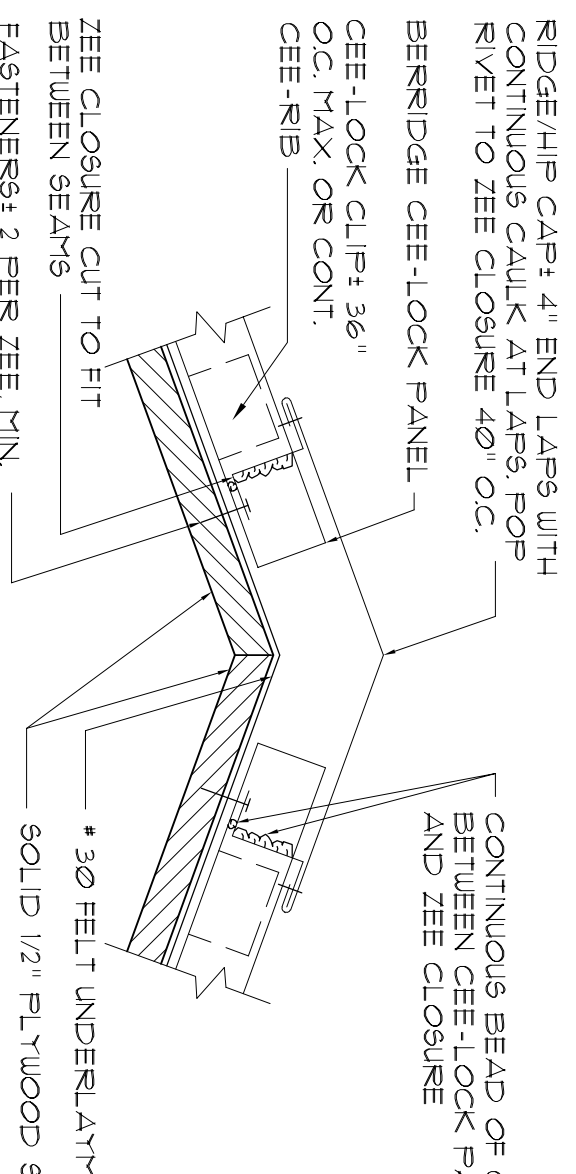
BERBRIDGE MANUFACTURING COMPANY  
1700 MAURY STREET  
HOUSTON, TX 77056  
1-800-731-8171  
http://www.berbridge.com

APPROVED ALTERNATE:  
ENGLETT, INC.  
1200 AIRPORT AVENUE  
FIRTH AIRPORT, NJ 08862  
1-800-610-1915  
http://www.ingletinc.com



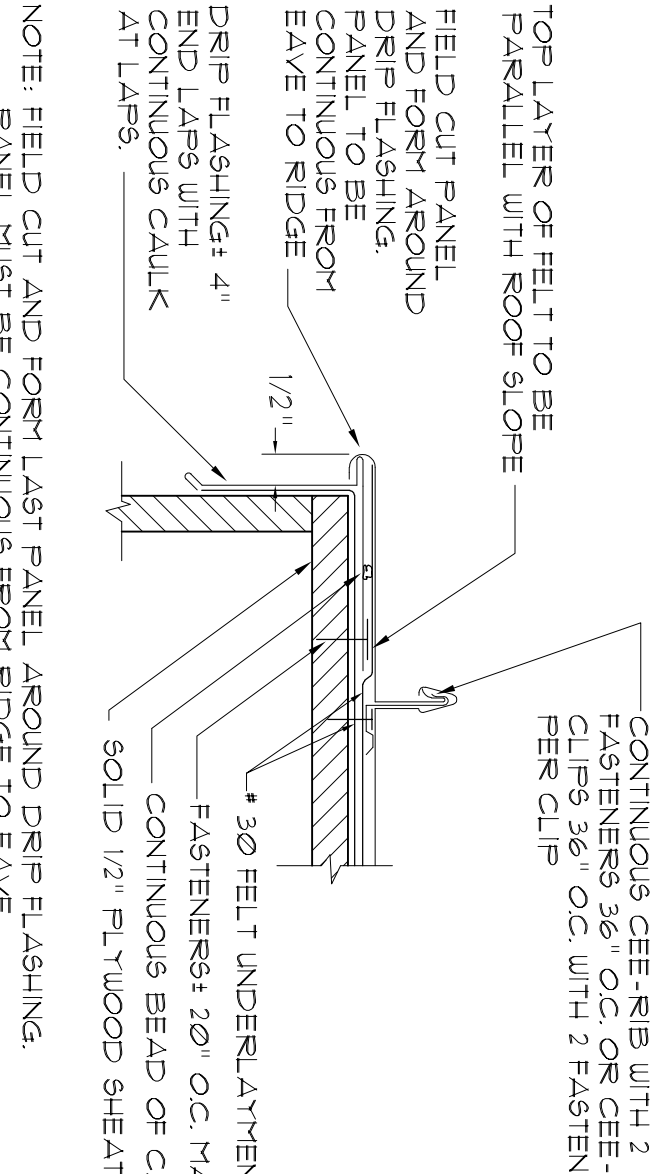
### PANEL DETAIL

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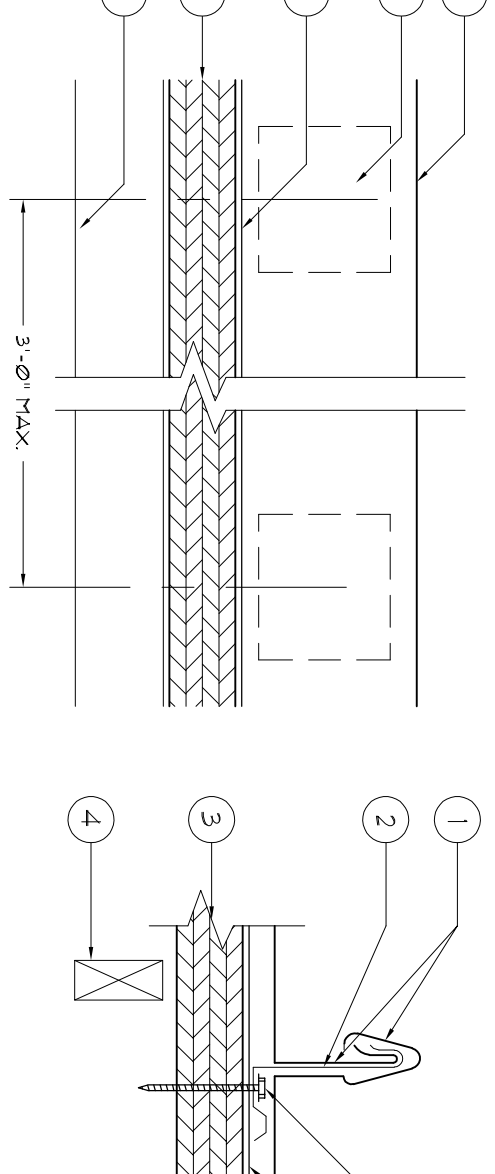
### RIDGE/HIP DETAIL

SCALE: NONE



### GABLE DETAIL / PANEL TURNDOWN

SCALE: NONE



- CEE-LOCK PANEL - NO 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN WIDE, 1 1/2 IN HIGH PANEL (NON-STRUCTURAL VINYL WEATHER SEAL OPTIONAL IN SEAM), CONTINUOUS OVER TWO OR MORE SPANS WITHOUT LAPS.
- CEE-CLIP (PANEL CLIP) - ONE PIECE ASSEMBLY FABRICATED FROM NO. 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) COATED STEEL, CEE-CLIP LOCATED AT EACH PANEL SIDE LAPS BEING PLACED AT 3'-0\"/>
- DECK - 5/8\"/>
- JOIST - 2\"/>
- \* 30 FELT UNDERLAYMENT.
- FASTENERS (SCREWS) - FOR ATTACHING (CEE-CLIP) (ITEM TWO) TO DECK USE NO. 10 PANCAKE HEAD TEK5 STEEL SCREWS, TWO FASTENER PER (CEE-CLIP).

### CLIP FASTENER DETAIL

SCALE: NONE



REVISION:

DRAWN:  
DJR

CUSTOM DESIGNED HOME FOR:  
**Mr. Randy McRae**  
COLUMBIA COUNTY, FLORIDA  
**Plumbing Riser & Details**

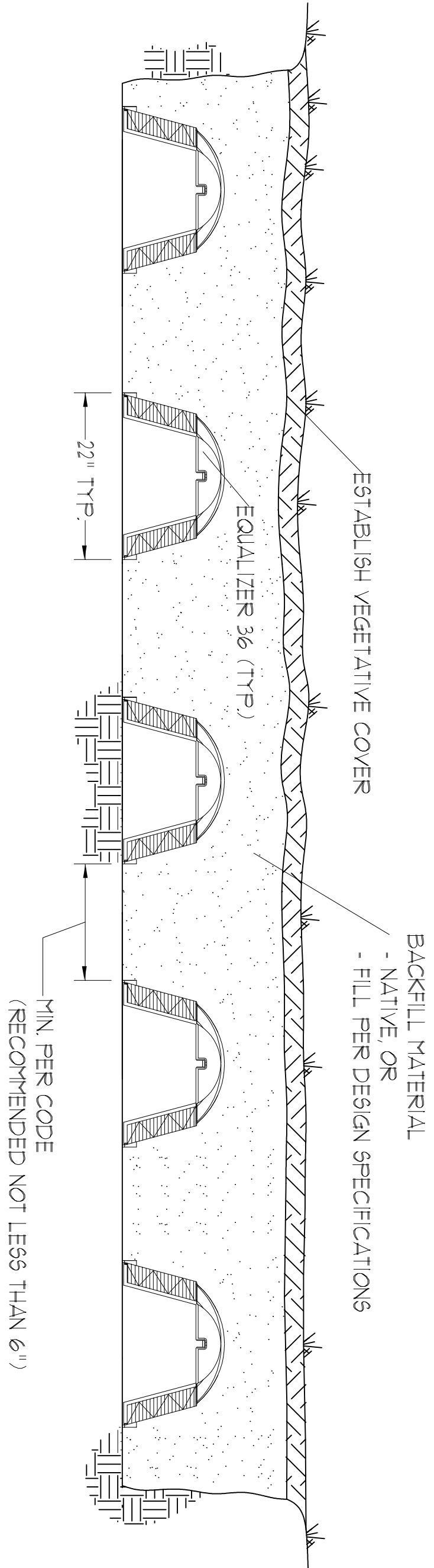
**DAVID J. ROYAL**  
ARCHITECTURAL DESIGNER  
Lake City, Florida • 386-752-4610

**NICHOLAS J. GEISLER**  
REGISTERED PROFESSIONAL ENGINEER  
No. 17363  
FLORIDA  
1736 NE Brown Rd.  
Lake City, FL 32009  
386-363-4335

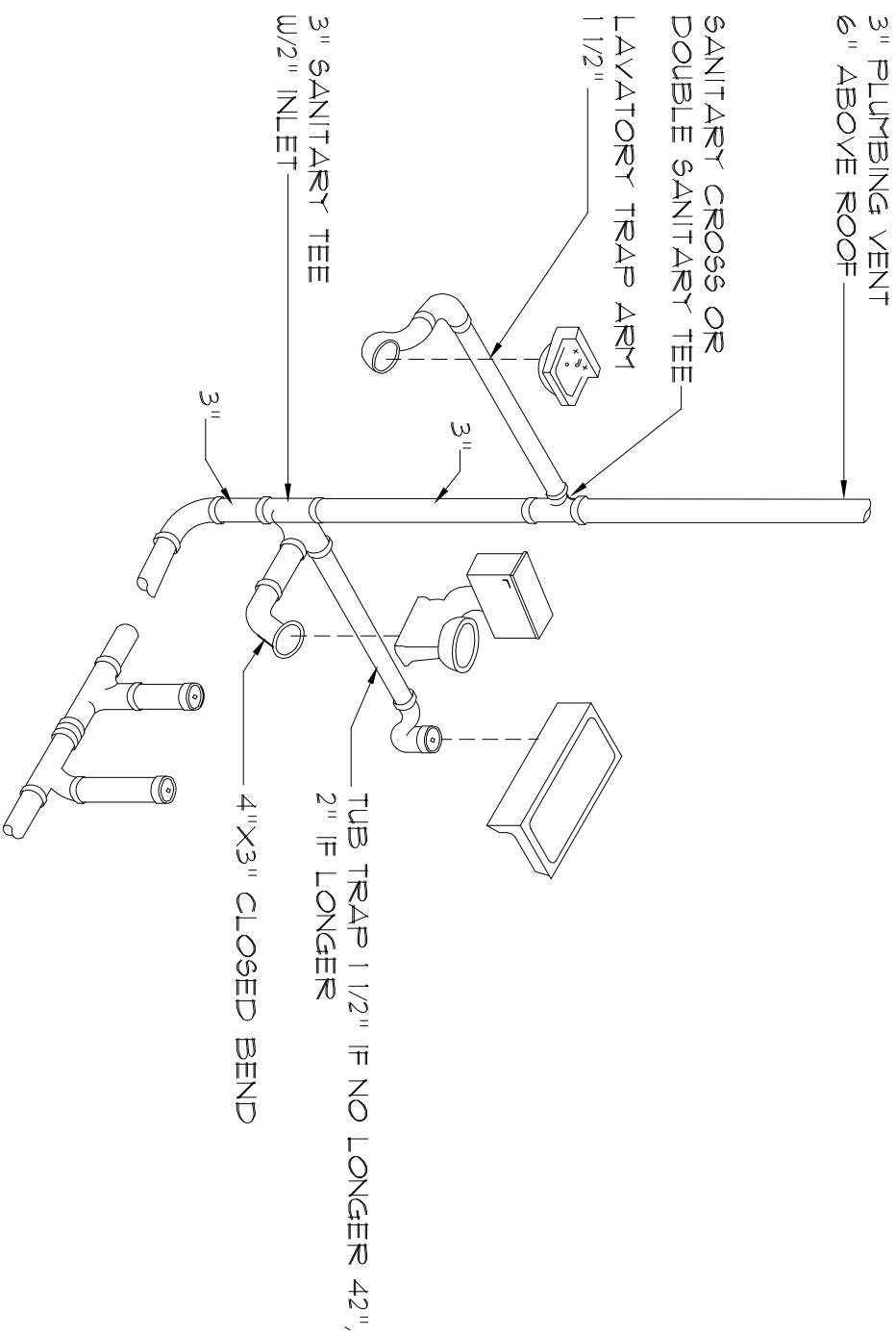
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COMP:1

SHEET: A.12  
12 of 14

Digitally signed by: N. P. GEISLER  
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O = AR0007005 OU = ARCHITECT  
Date: 2020.06.23 11:23:47 -0500

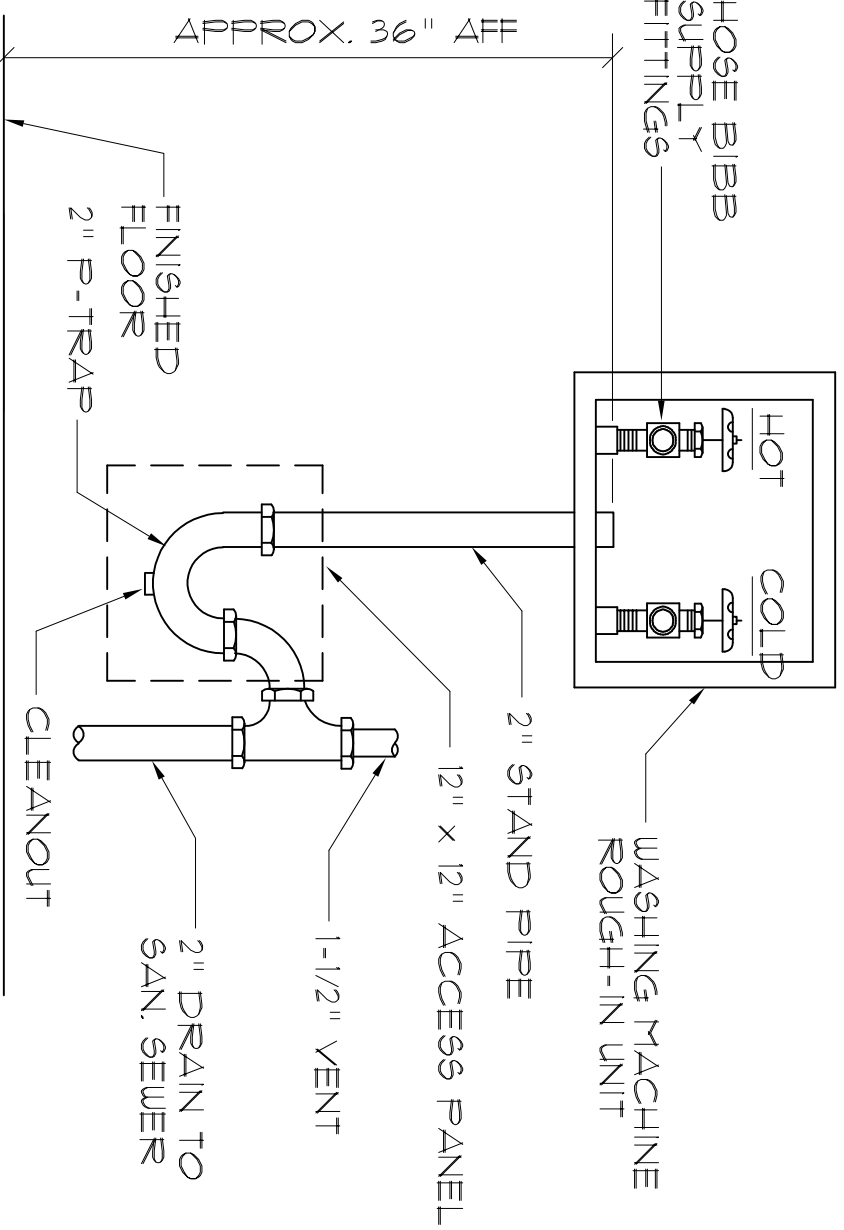


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NOT TO SCALE

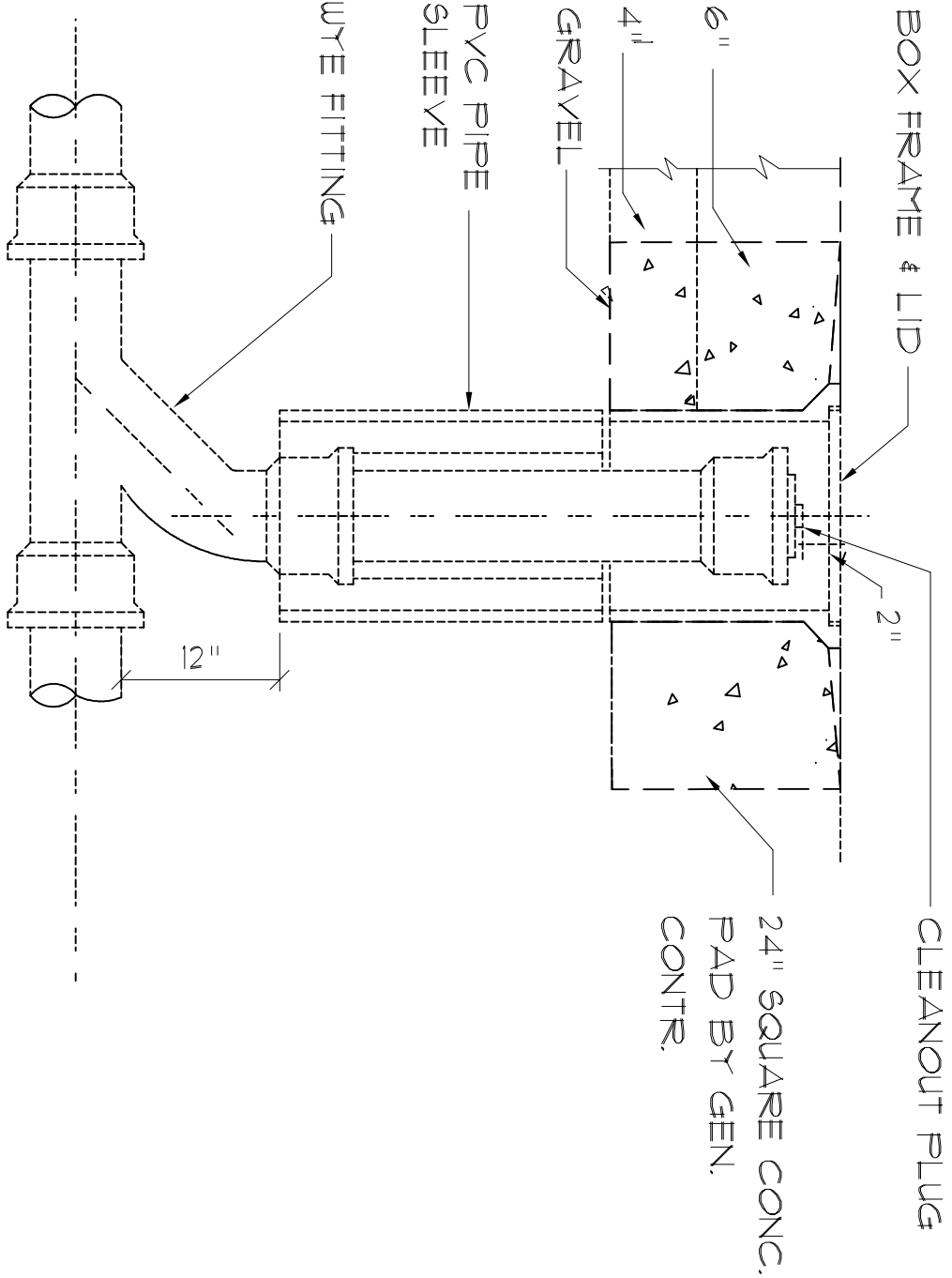


Typ. One Bath Plumbing  
NTS - THIS PLUMBING DIAGRAM IS GENERAL IN NATURE. REFER TO THE PLUMBING RISER DIAGRAM FOR INFORMATION.

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



Washing Machine Hook-up  
NTS.

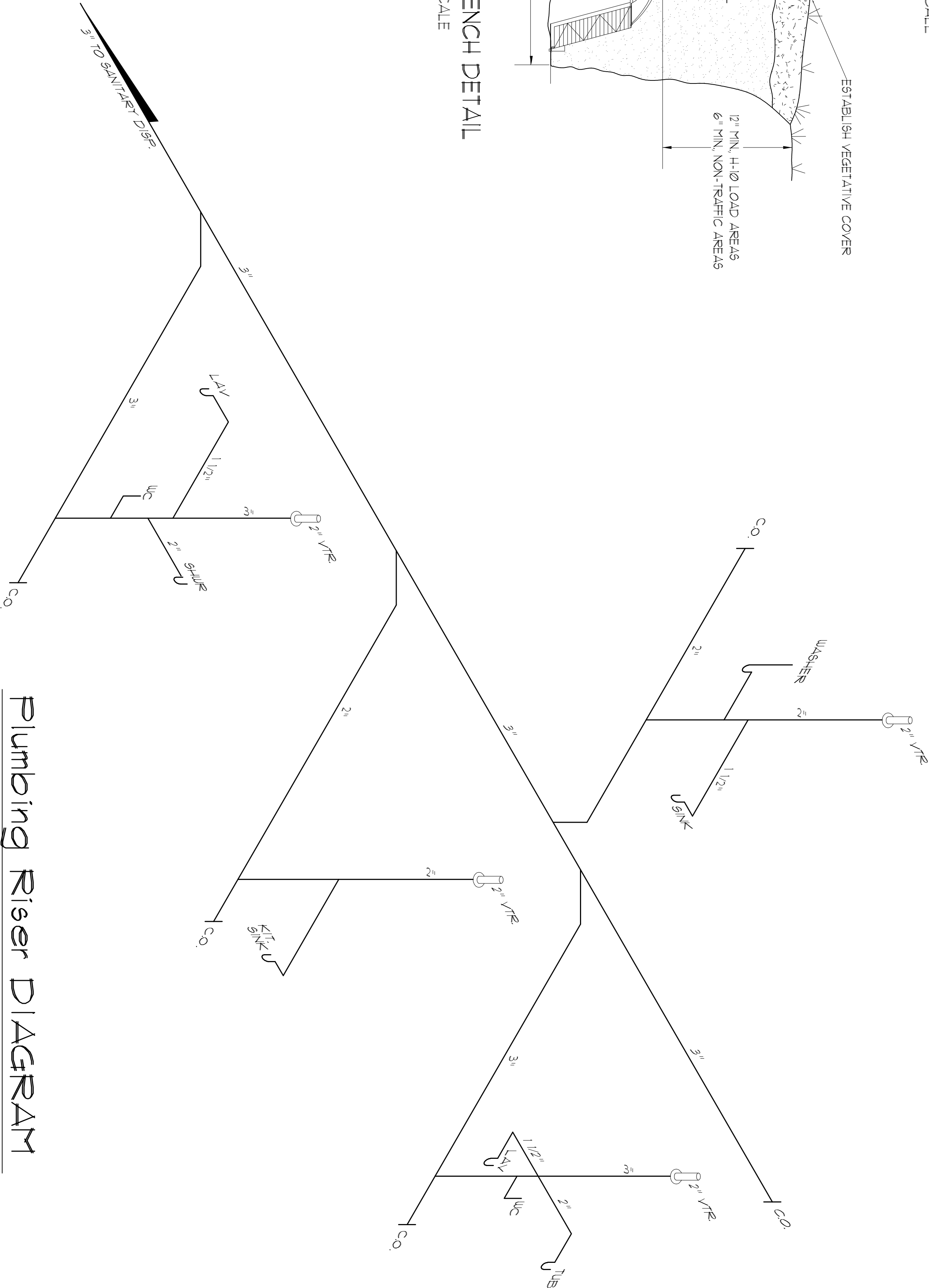


Outdoor Cleanout  
NTS.

GENERAL PLUMBING NOTES:

- SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
- ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
- ALL MATERIALS SHALL BE NEW.
- ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
- ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTORS RESPONSIBILITIES.
- PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
- WATER PIPING SHALL BE TYPE L COPPER UP TO 1" & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER AT THE OWNERS OPTION. SUPPLY PIPING MAY BE CPVC, SCHEDULE 40 OR SCHEDULE 80.
- DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
- SOIL, WASTE, VENT & EXHAUSTER PIPING SHALL BE CAST IRON OR SUBSTITUTES THEREOF. EXPOSED STEEL SHALL BE GALVANIZED STEEL. BANDS & BELLS ARE NOT ALLOWED. EXPOSED STEEL SHALL BE GALVANIZED STEEL. SCHEDULE 40, SEE NOTE 12.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN WASTE OR VENT PIPE AND FITTINGS OR CPVC. SEE NOTE 12. BELOW INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
- CPVC SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, EXHAUSTER OR CONDENSATE DRAIN. ALL JOINTS SHALL BE PROPERLY ENGAGED. COULDS & OFFICIALS SHALL BE USED TO PENETRATE CHASES OR FIRE RATED WALLS / CEILINGS.
- ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS PANELS.
- FURNISH AND INSTALL APPROVED AIR CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
- ELECTRIC COUPLINGS ARE REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
- ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
- PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEAREST PLUMBING FIXTURE. DO NOT MANIFOLD.
- PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
- PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS. FINISH AS DIRECTED BY THE OWNER.
- FIXTURES, HARDWARE, EQUIPMENT, COLORES AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

Plumbing Riser Diagram  
SCALE: NONE





REVISION:

DRAWN:  
DJR

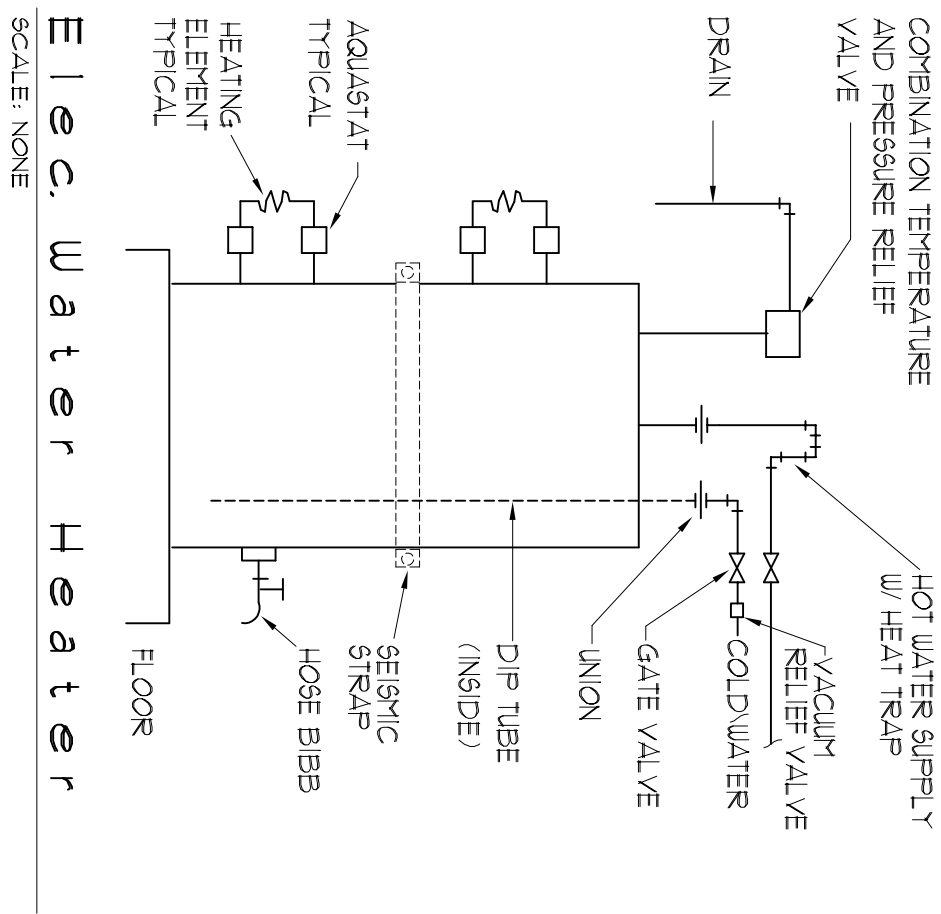
CUSTOM DESIGNED HOME FOR:  
**Mr. Randy McRae**  
COLUMBIA COUNTY, FLORIDA  
**Electrical Plan**

DAVID J. ROYAL  
ARCHITECTURAL DESIGNER  
Lake City, Florida • 386-752-4610

DATE: 22JAN09  
COMP: 22JAN09  
SHEET: 13 OF 14

13 OF 14

NOTE: EXTERIOR FLOODLIGHTS TO BE SPECIFIED AND LOCATED BY OWNER AND INSTALLED PER MANUFACTURERS RECOMMENDATIONS



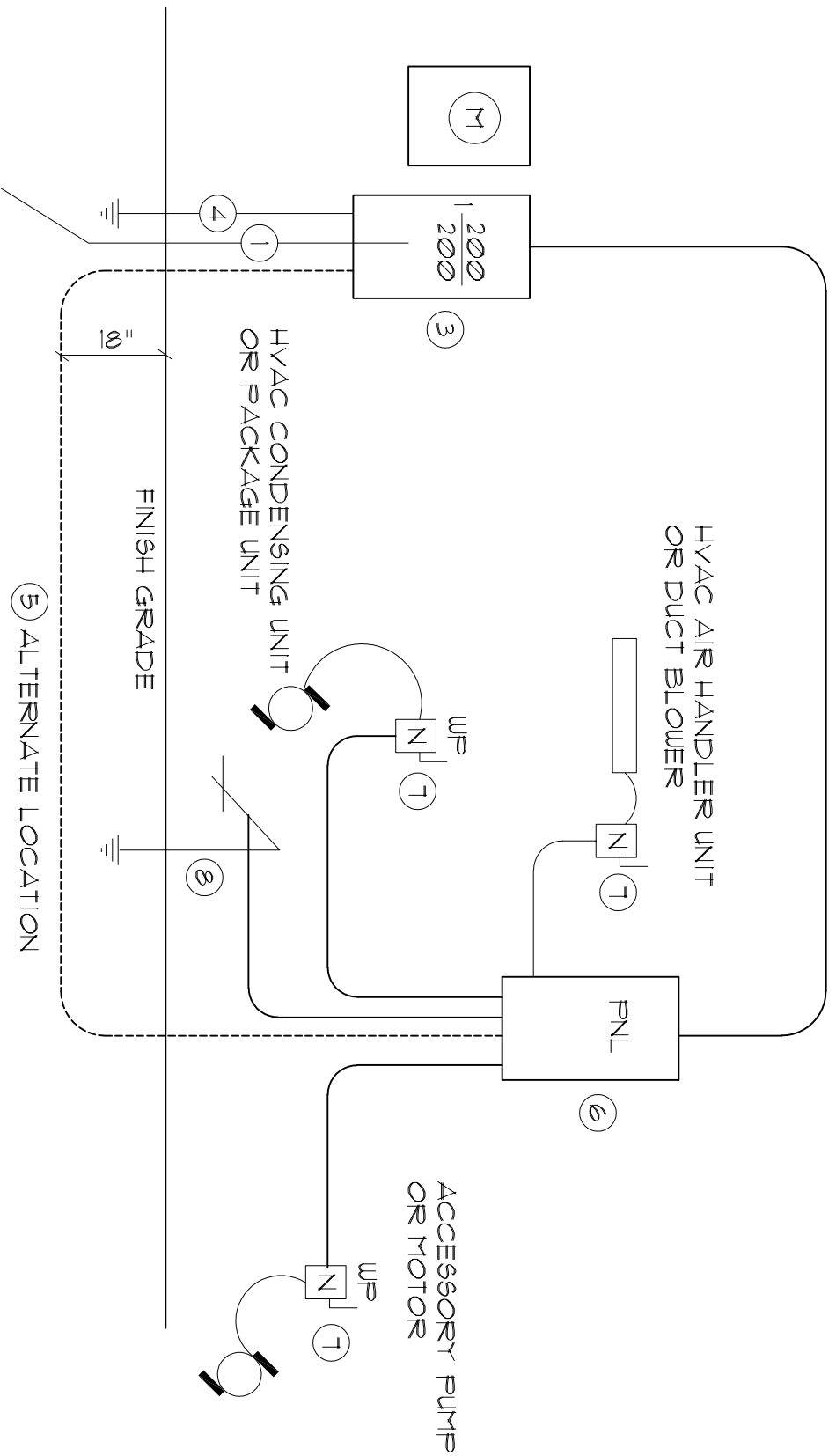
Elec. Water Heater  
SCALE: NONE

NOTE: SMOKE DETECTORS SHALL BE MOUNTED NOT LESS THAN 90" ABOVE FINISHED FLOOR AND SHALL BE THE IONIZATION TYPE, INTERLOCKED TOGETHER, POWERED FROM HOUSE PANEL W/BATTERY BACKUP

NOTE: 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 Symbols

- \$ SPST WALL SWITCH
- \$ DPDT WALL SWITCH (3-WAY)
- \$ DUPLEX WALL RECEPTACLE
- \$ DUPLEX WALL RECEPT., BELOW COUNTER
- \$ 240V OUTLET
- \$ ARC FAULT INTERRUPTER DUPLEX RECEPT.
- \$ GND FAULT INTERRUPTER DUPLEX RECEPT.
- \$ WEATHER PROOF GFI DUPLEX RECEPT.
- \$ ARC FAULT INTERRUPTER DUPLEX RECEPT.
- \$ DUPLEX WALL RECEPTACLE, 1/2 SWITCHED MOTOR
- ELECTRICAL PANEL
- \$ EXHAUST FAN / LIGHT
- \$ DEL. LAMP INC. FLOOD LIGHT
- \$ 2 TUBE FLU. PRESYRATIC WRAP SURFACE FIXTURE
- \$ INC. LIGHT FIXTURE
- \$ SMOKE DETECTOR, 120V
- \$ CHIME
- \$ MOMENTARY PUSHBUTTON SWITCH, LIGHTED
- \$ SWITCH/FIXTURE WIRING
- \$ CONTROL WIRE - LOW VOLTAGE
- \$ NON-FUSED DISC SWITCH
- \$ TELEPHONE
- \$ TELEVISION OUTLET
- \$ HVAC THERMOSTAT, @ 60" AFF
- \$ RECESSED LIGHT FIXTURE
- \$ RECESSED LIGHT FIXTURE, WATERPROOF
- \$ CLG. MTD. SWITCHED RECEPT. FOR CHRISTMAS LIGHTS



## Electrical Comp.

General Lighting/Receptacles @ 3w/sf = 848.00w  
2621 sf x 3w = 1500.00w  
Washer Circuit 1500.00w  
Dishwasher Circuit 1500.00w  
5m. Appliance Circuits (3 @ 1500w) 4500.00w  
Sub-Total 11598.00w  
18% 3CU @ 100% 3000.00w  
Bal. of KW @ 35% 4543.00w  
Fixed Appliances: 1200.00w  
Refrigerator 1200.00w  
Cig. Fans (3 @ 200w) 600.00w  
Irrigation Pump (future) 1000.00w  
Washer (future) 1000.00w  
EWH 4500.00w  
EWH 2400.00w  
Squares (6 @ 400w) 2400.00w  
Sub-Total 13500.00w  
Load @ 75% D.F. 10425.00w  
100% Demand Factor Loads: 5000.00w  
Dryer 5000.00w  
Range 6000.00w  
HVAC System Air Handler 800.00w  
Total Demand Load: 37168.00w  
FEEDER SIZE: 37168.0w / 240v = 157.00 amperes  
USE: 3"x7/8" THW w/ 1" CU GND / 2 1/2" C.

## Panel Schedule

CIR. NO.	LOCATION	TRIP	POLES	WIRE SIZE	LOAD
1-9	LIGHTING/RECEPT.	15A/1P	1A/N	14N	136.25W
9	DISHWASHER	15A/1P	1A/N	14N	1500W
10-12	5M. KITCHEN APPLIANCES	20A/1P	1A/N	14N	4500W
13-14	CEILING FANS	15A/1P	1A/N	14N	1200W
15-17	FILL REG. PUMP	20A/1P	1A/N	14N	1200W
18	WASHER	20A/1P	1A/N	14N	1500W
19-21	ELWH 50 GAL. RANGE	30A/2P	1A/N	14N	4500W
20-22	ELWH 50 GAL. RANGE	30A/2P	1A/N	14N	4500W
23-24	WATER WEL.	30A/2P	1A/N	14N	1200W
25-26	DRYER	30A/2P	1A/N	14N	5000W
27-28	HVAC CU	50A/2P	1A/N	14N	6400W
29-30	HVAC AHU	50A/2P	1A/N	14N	800W
31-32	FREEZER	15A/1P	1A/N	14N	1200W
33-34	FREEZER	15A/1P	1A/N	14N	1200W
35-40	SPACES	20A/1P	1A/N	14N	3200W

TOTAL CONNECTED LOAD: 56423.5W

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

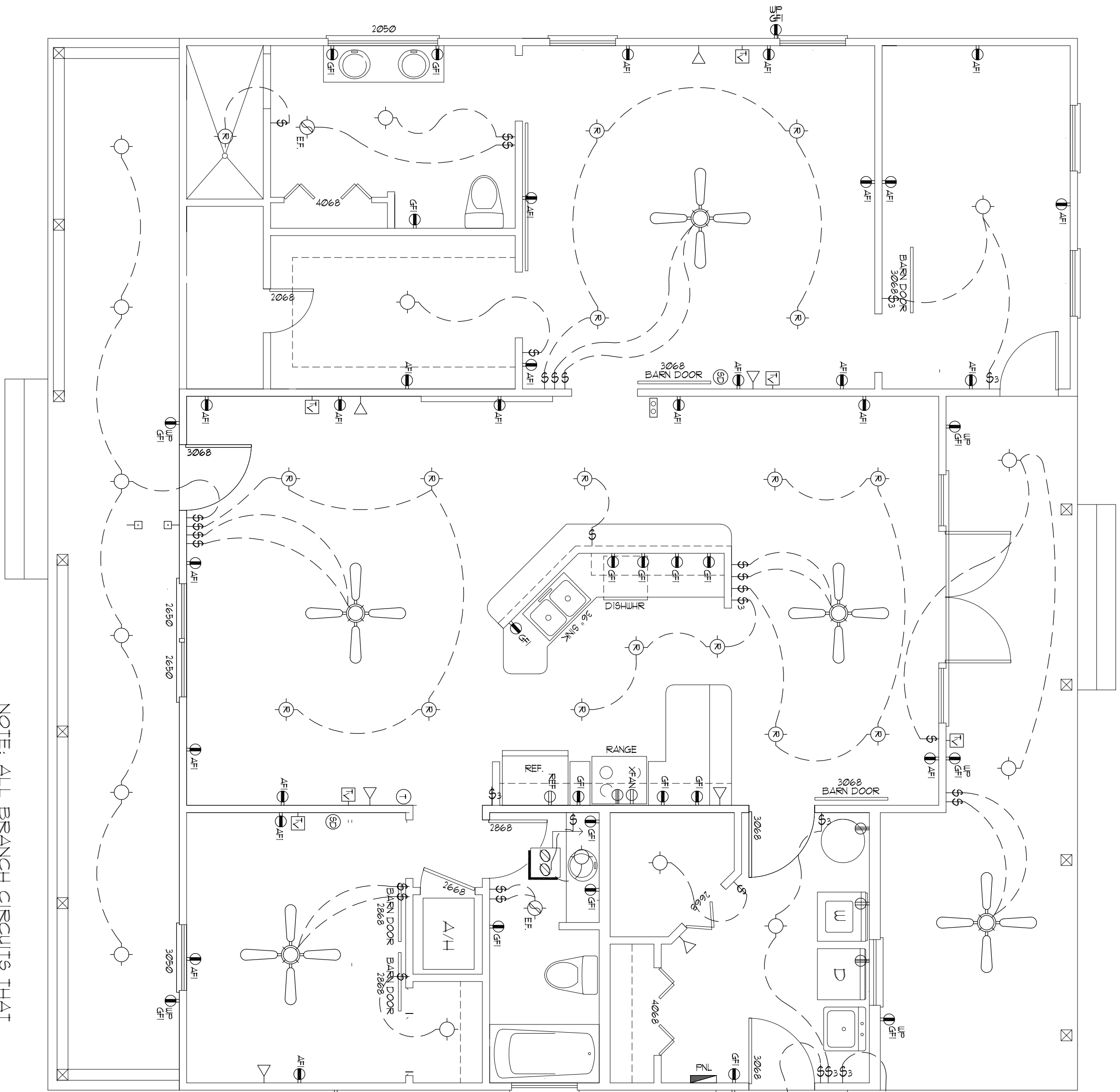
**TYPICAL PANEL SCHEDULE:**

ELECTRICIAN TO PROVIDE A FINAL PANEL SCHEDULE BASED ON THE AS-BUILT CONDITIONS & CONNECTED DEVICES.

**TYPICAL LOAD COMPUTATIONS:**

ELECTRICIAN TO CALCULATE ACTUAL LOAD FROM AS-BUILT CONDITIONS & CONNECTED DEVICES.

## Electrical PLAN



## Electrical Design Data

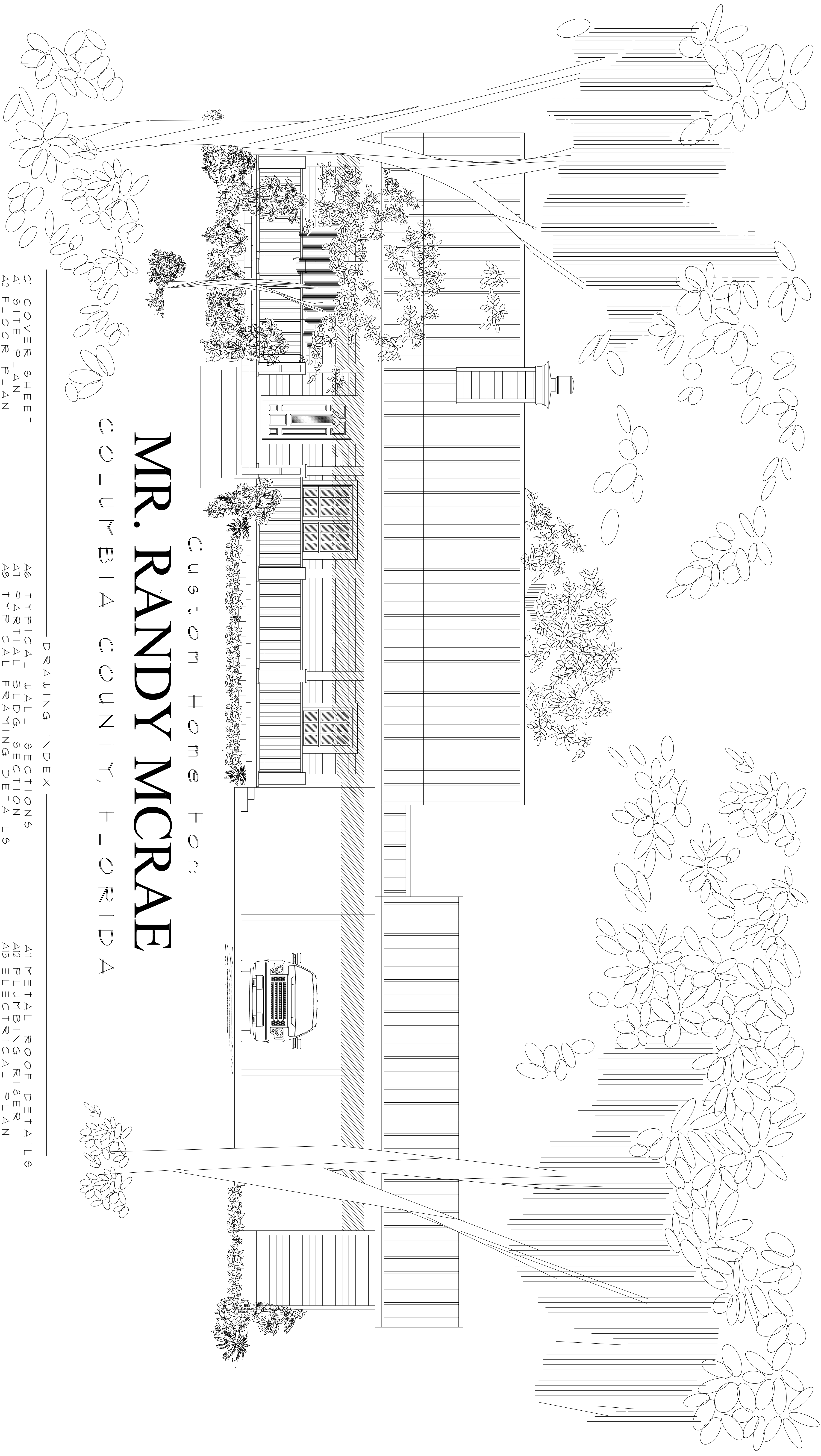
Digitally signed by: N. P. GEISLER  
DN: cn = N. P. GEISLER, c = US  
O = AR0007005 OU = ARCHITECT  
Date: 2020.06.23 11:24:32 -0500

AR0007005









Custom Home For:  
**MR. RANDY MCCRAE**  
COLUMBIA COUNTY, FLORIDA

DRAWING INDEX

CI COVER SHEET  
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A2 FLOOR PLAN  
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A7 PARTIAL BLDG. SECTION  
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A9 DOOR & WINDOW DETAILS  
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