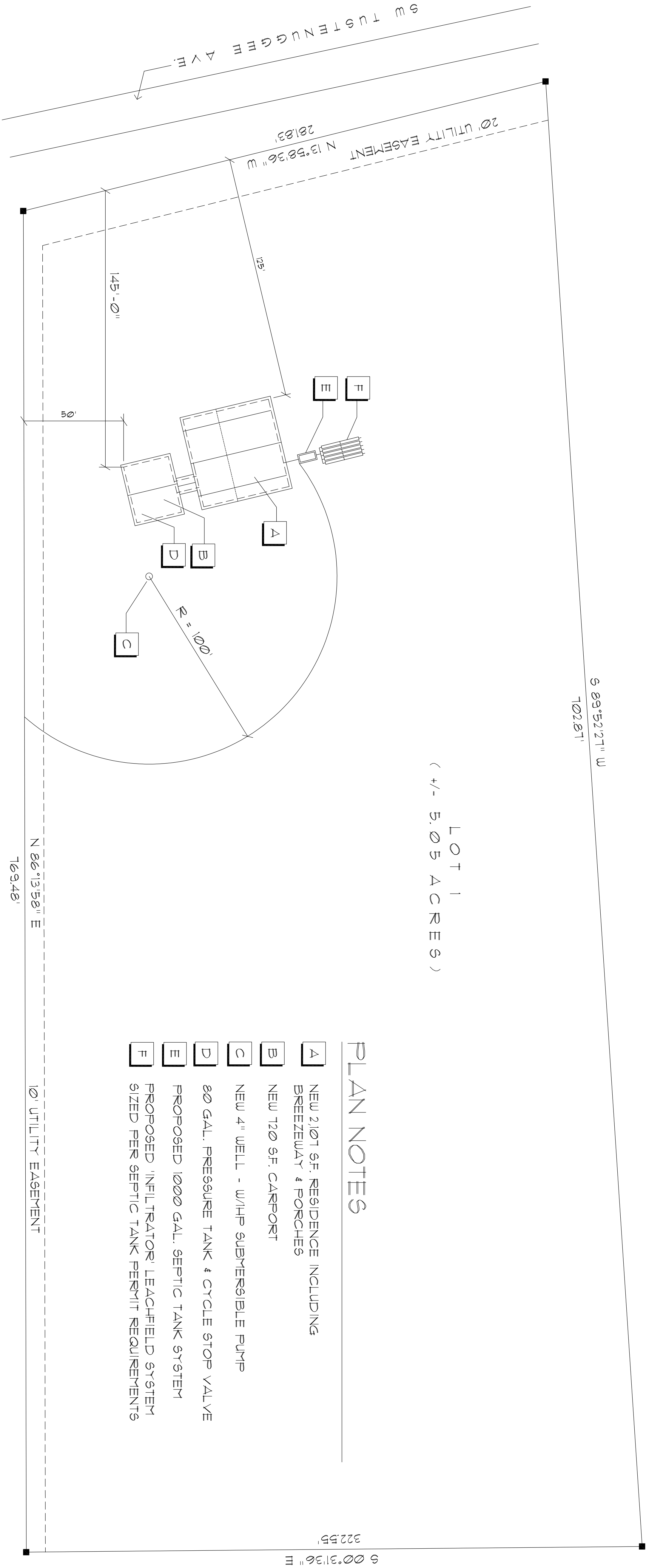


TAX PARCEL NO. 30-66-17-09807-102
SECTIONS 29 & 30, TOWNSHIP 6 SOUTH, RANGE 17 EAST, COLUMBIA COUNTY, FLORIDA



LOT 1
(+/- 5.05 ACRES)

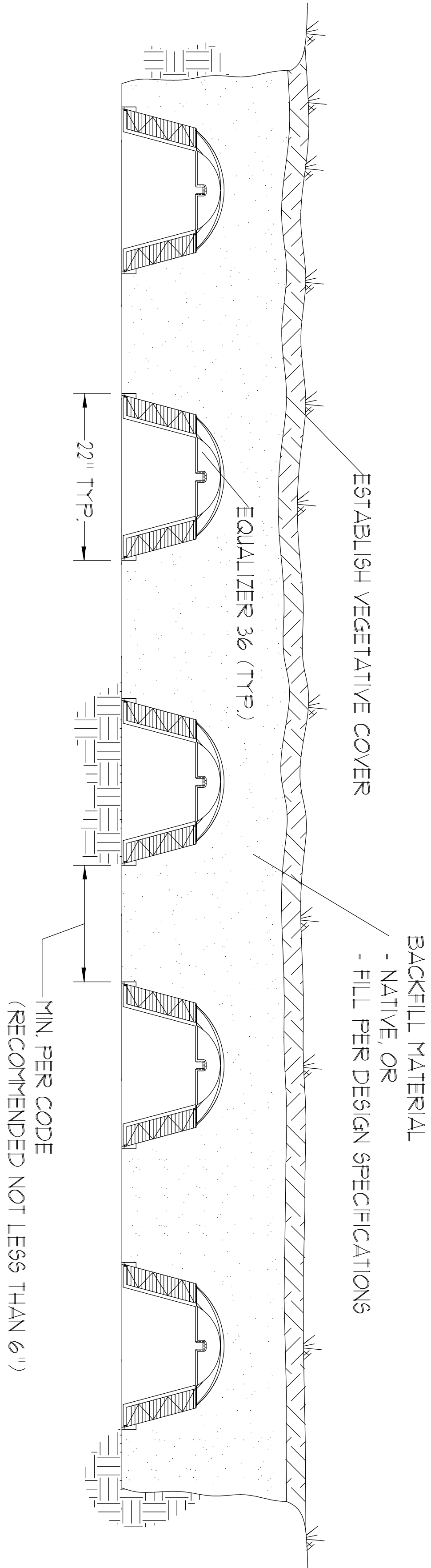
PLAN NOTES

- 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

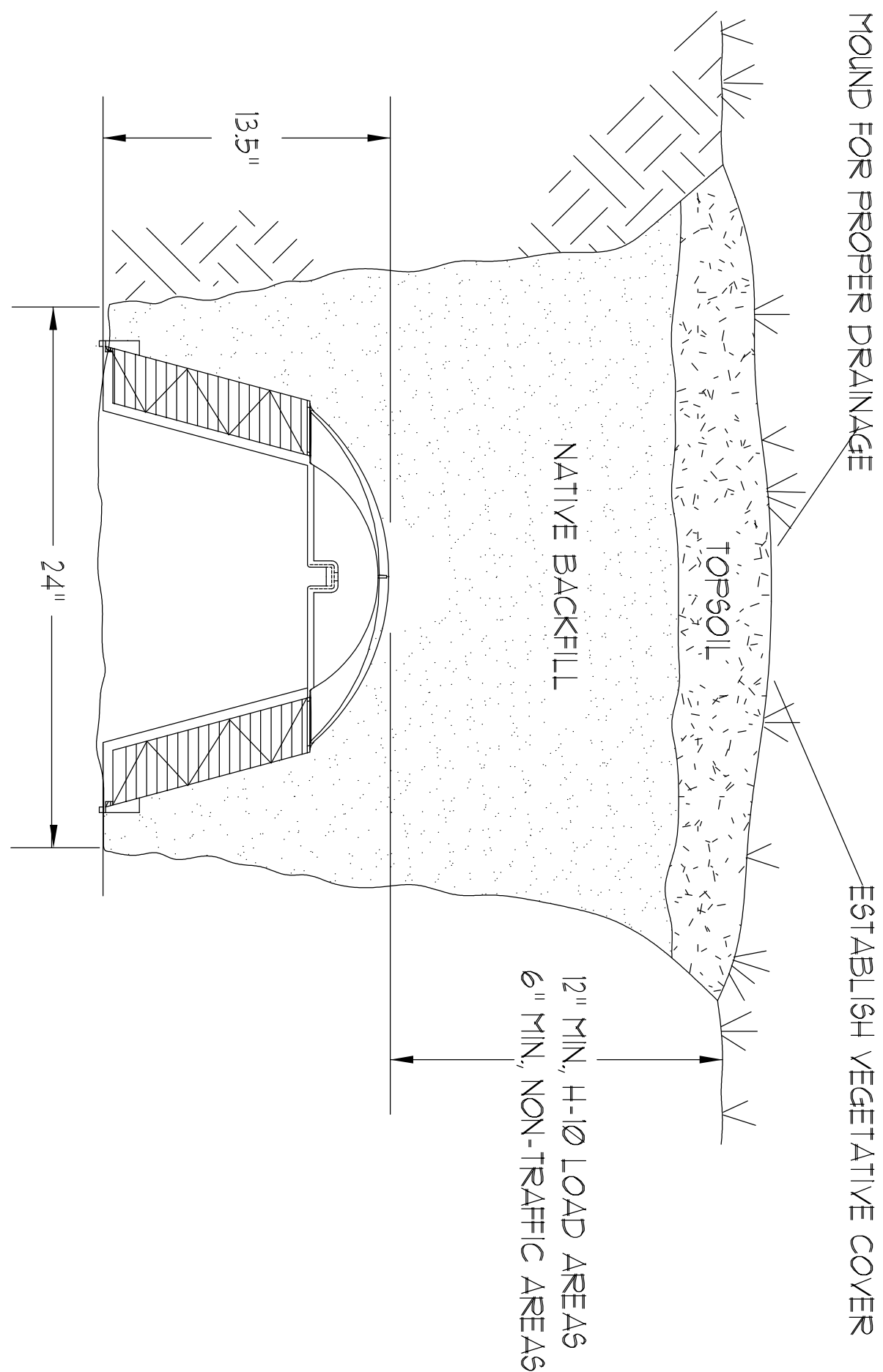
SCALE 1" = 30'

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

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:

Mr. Randy McNae
COLUMBIA COUNTY, FLORIDA
Site PLAN



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ARCHITECTURAL DESIGNER
Lake City, Florida - 386-752-4610

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ARCHITECT
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1799 NW Brown Rd.
Lake City, FL 32055
386-365-4355

DATE:
22JAN2019

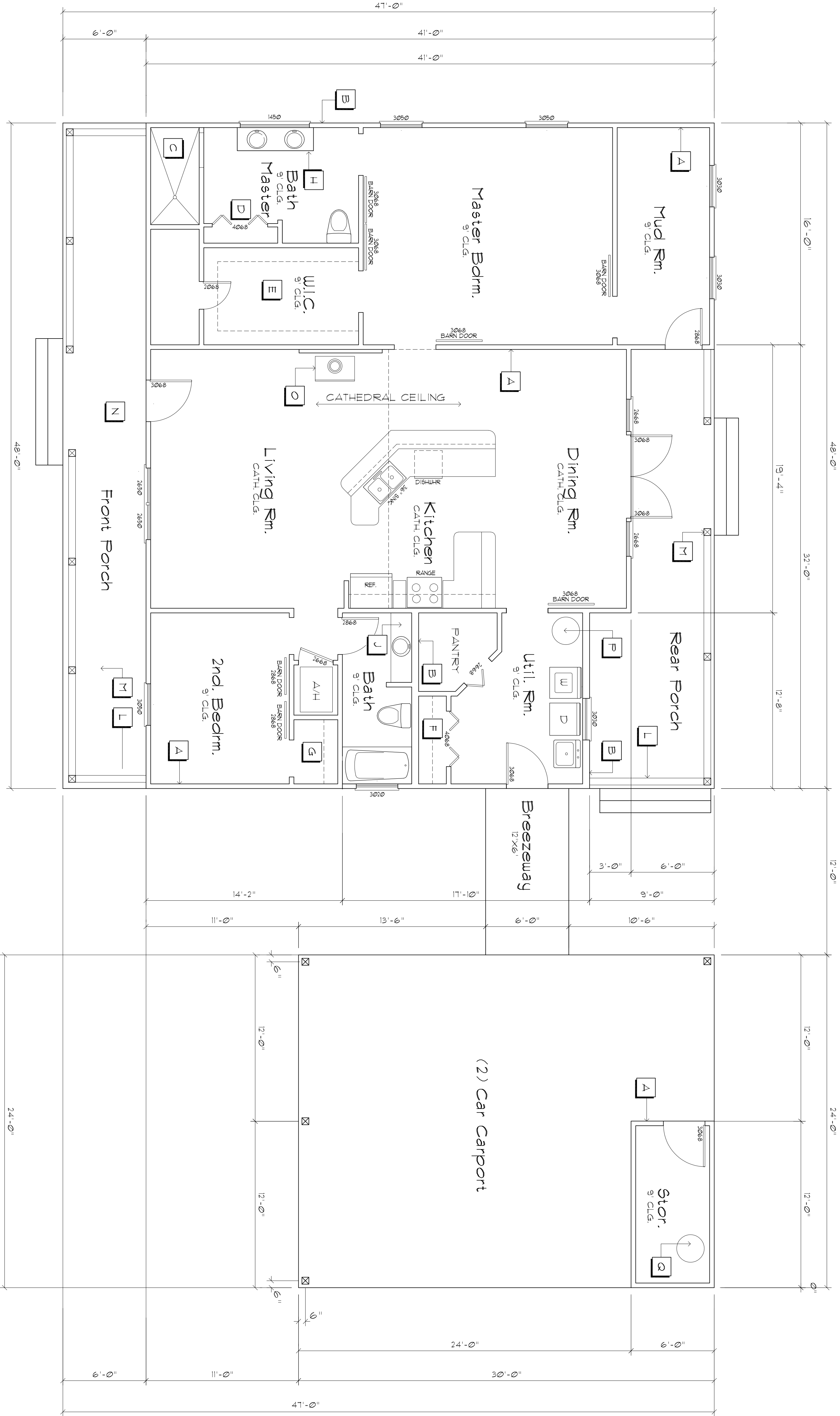
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SHEET:

A.1

1 of 14

AR0007005



Floor Plan

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

Plan Notes

- | | | | |
|----------|---|----------|---|
| A | 2X4 Nt. 2 FIR STUDS @ 16" O.C. | J | 48"X20"X30" H VANITY CABINET W/(1) LAVATORY |
| B | 2X6 Nt. 2 FIR STUDS @ 16" O.C. | L | 42" HIGH HANDRAIL |
| C | 42"X60" WALK-IN SHOWER | M | 6"X6" PORCH COLUMNS @ 8'-0" O.C. MAX. |
| D | LINEN & TOWEL CLOSET | N | PORCH STAIRS W/(5) R @ 6" T5" & (4) T @ 10"5" |
| E | WALK-IN CLOTHES CLOSET W/SHELF & ROD @ 66" AFF. | O | BUCKSTOVE FIREPLACE |
| F | STORAGE CLOSET | P | 50 GAL. ELECTRIC WATER HEATER |
| G | CLOTHES CLOSET W/SHELF & ROD @ 66" AFF. | Q | 80 GAL. PRESSURE TANK & CYCLE STOP VALVE |
| H | 12"X20"X30" H 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 1-10, 2017 FBC 1609-A WIND VELOCITY, V_{ULT} = 130 MPH V_{ASD} = 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

REVISION:

DRAWN:

DJR

CUSTOM DESIGNED HOME FOR:

Mr. Randy McRae
COLUMBIA COUNTY, FLORIDA

Floor Plan



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ARCHITECTURAL DESIGNER
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N
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ROADS
GEISLER
ARCHITECT
1758 NW Brown Rd.
Lake City, FL 32005
386-365-4355

DATE:

22/JAN/2019

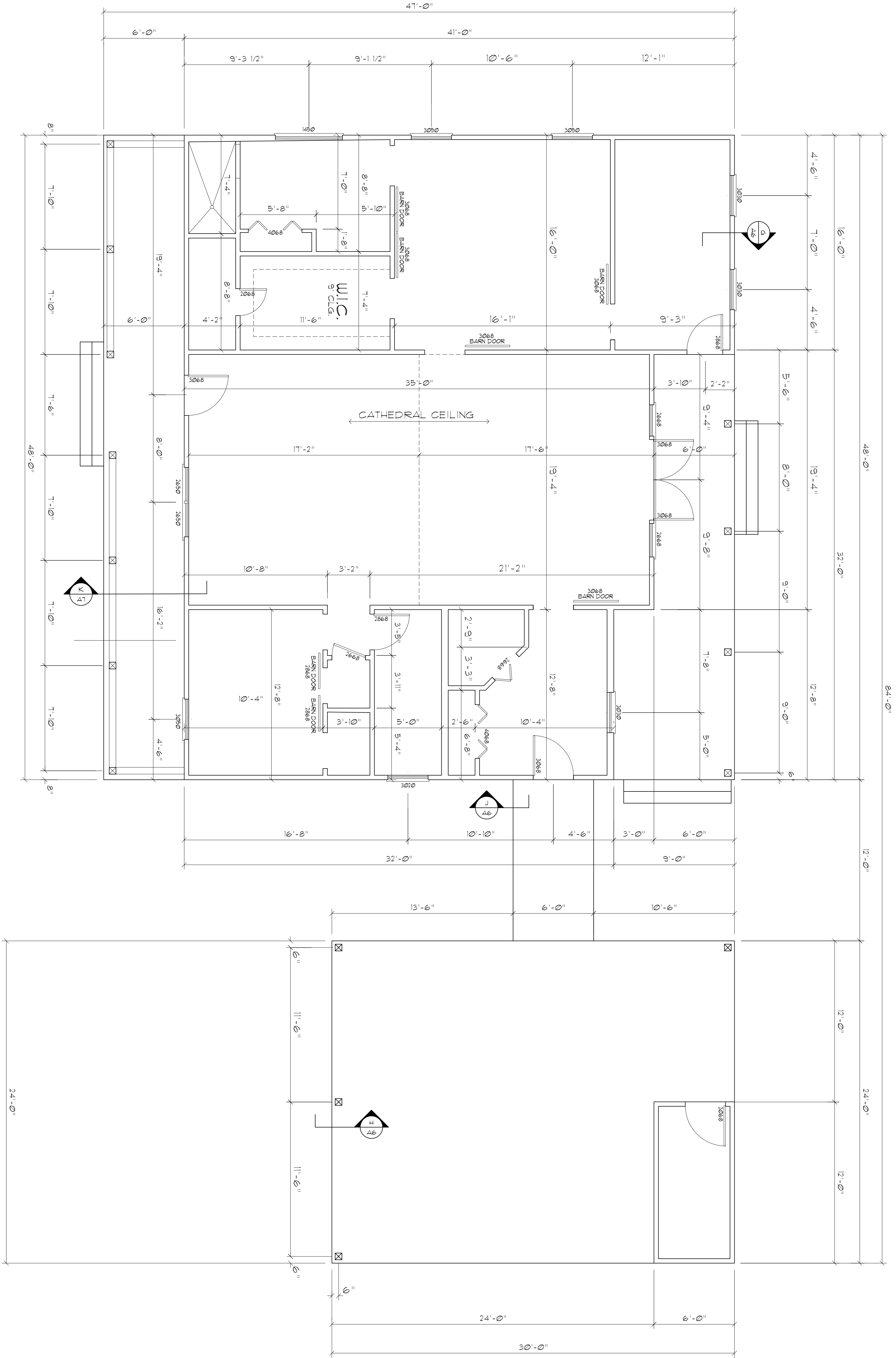
COMPI:

SHEET:

A.2

2 of 14

AR0007005



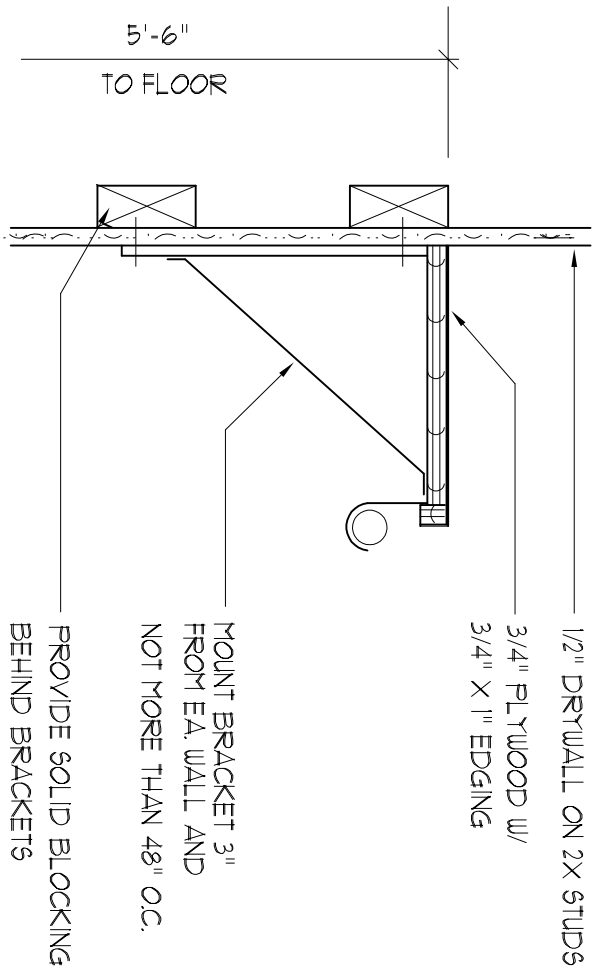
Dimension PLAN

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	BUILDING WIDTH (FT)			
	20'	28'	36'	
HEADER SIZE	SPAN	* JACKS	SPAN	* JACKS
2-2x4	3'-6"	1	3'-2"	1
2-2x6	5'-5"	1	4'-8"	1
2-2x8	6'-10"	1	5'-11"	2
2-2x10	8'-5"	2	7'-3"	2
2-2x12	9'-9"	2	8'-5"	2
3-2x8	8'-4"	1	7'-5"	1
3-2x10	10'-6"	1	9'-1"	2
3-2x12	12'-2"	2	10'-1"	2
4-2x8	9'-2"	1	8'-4"	1
4-2x10	11'-8"	1	10'-6"	1
4-2x12	14'-1"	1	12'-2"	2



Closet Rod & Shelf Detail

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

REVISION:

DRAWN:

DJR

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

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NICHOLAS ROYAL & GEISLER ARCHITECTS
1758 NW Brown Rd.
Lake City, FL 32095
386-365-4355

DATE: 22JAN2019
CMT:

SHEET:

A.3
3 of 14

AR0007005

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
- 7

6X6 COLUMN BOXED PER OWNER
- 8

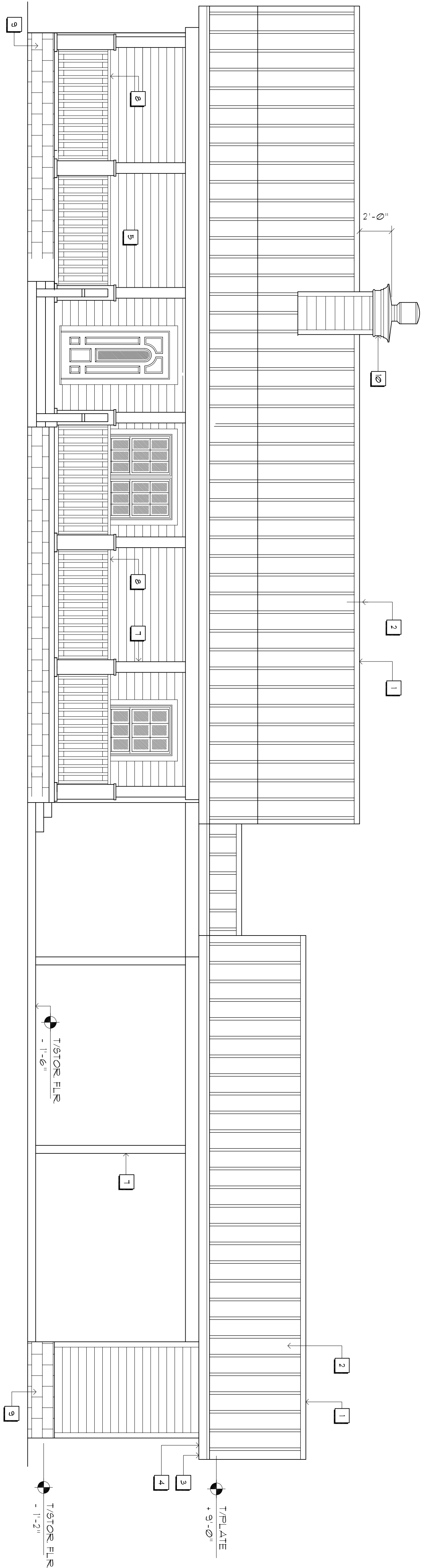
42" HIGH RAILING
- 9

8" CONCRETE BLOCK STEPMULL
- 10

WOOD FRAMED CHIMNEY W/ DURAFLUE®
TRIPLE WALL CHIMNEY PIPE OR EQUAL

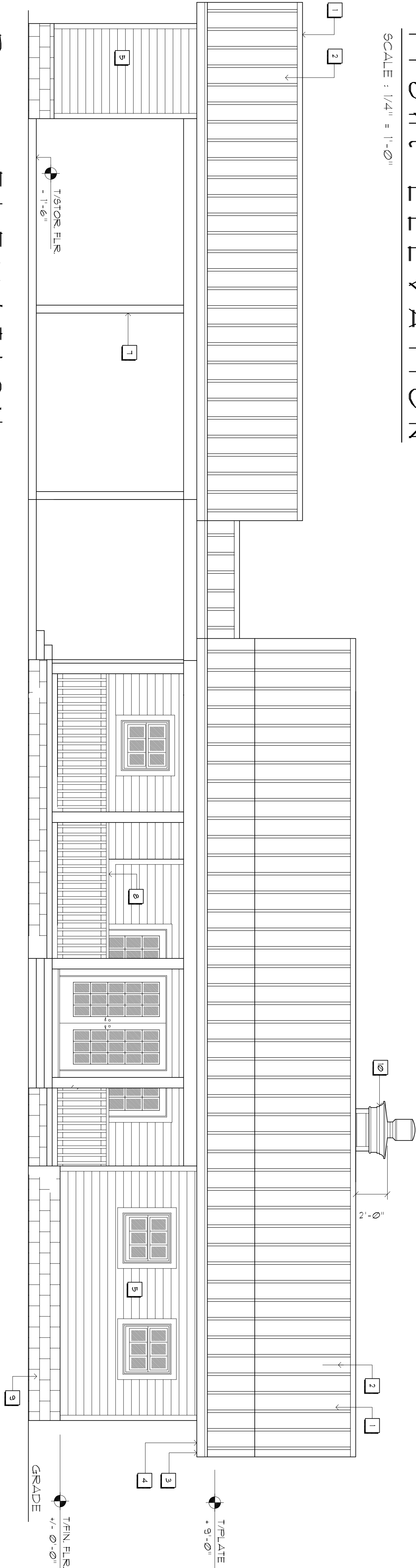
Front ELEVATION

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



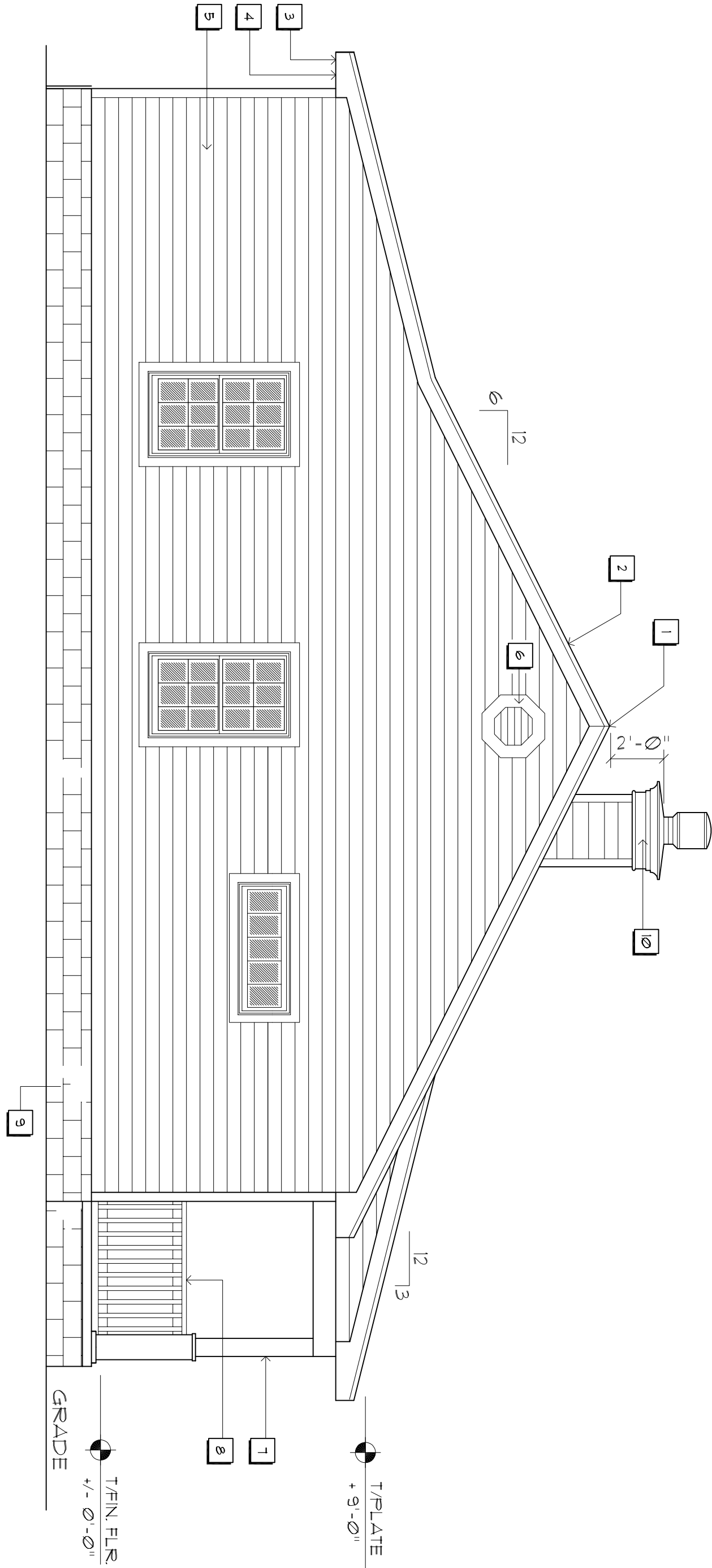
Rear ELEVATION

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



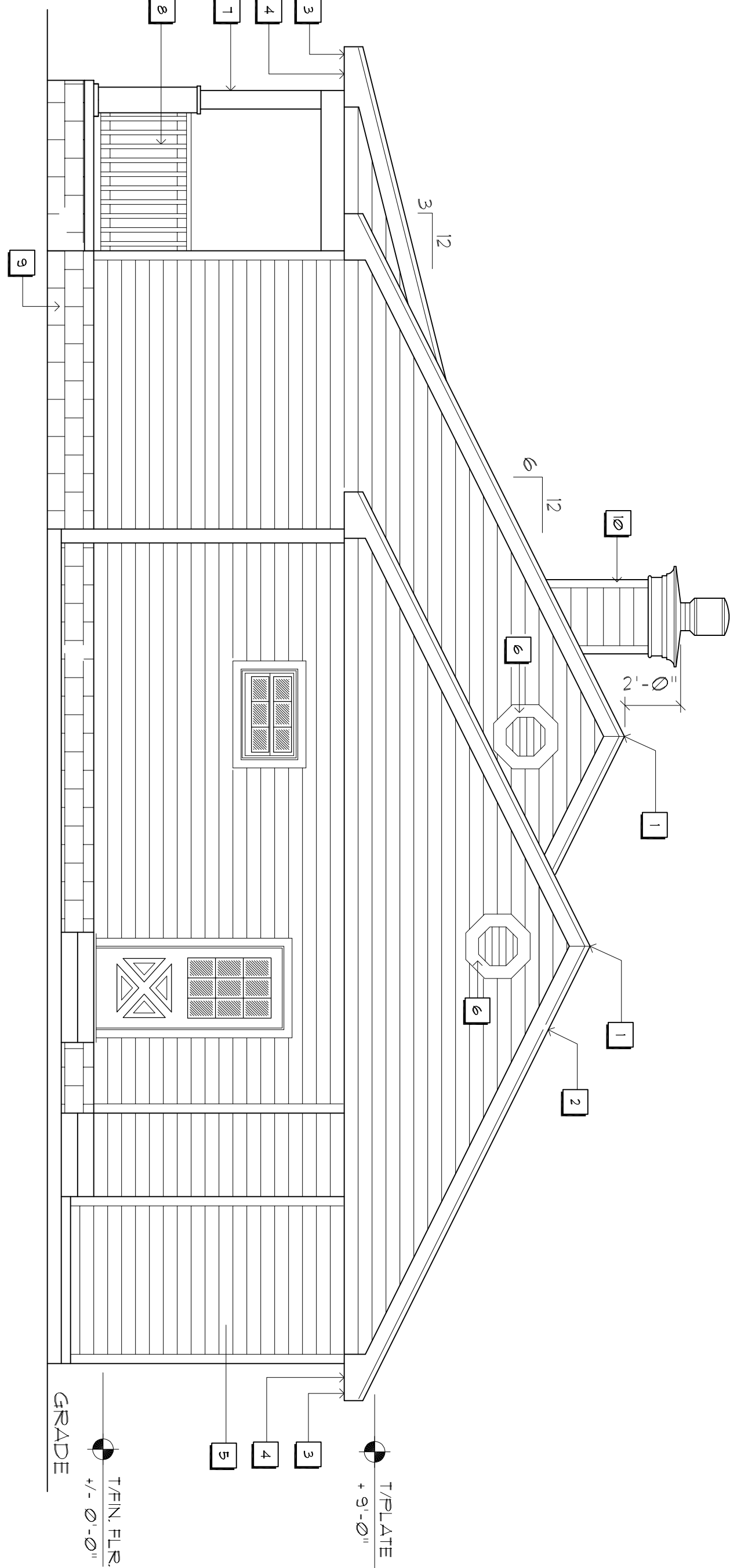
Right Side ELEVATION

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



Left Side ELEVATION

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



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386-369-4355

DATE:

COMPI:

SHEET:

A.4
4 of 14

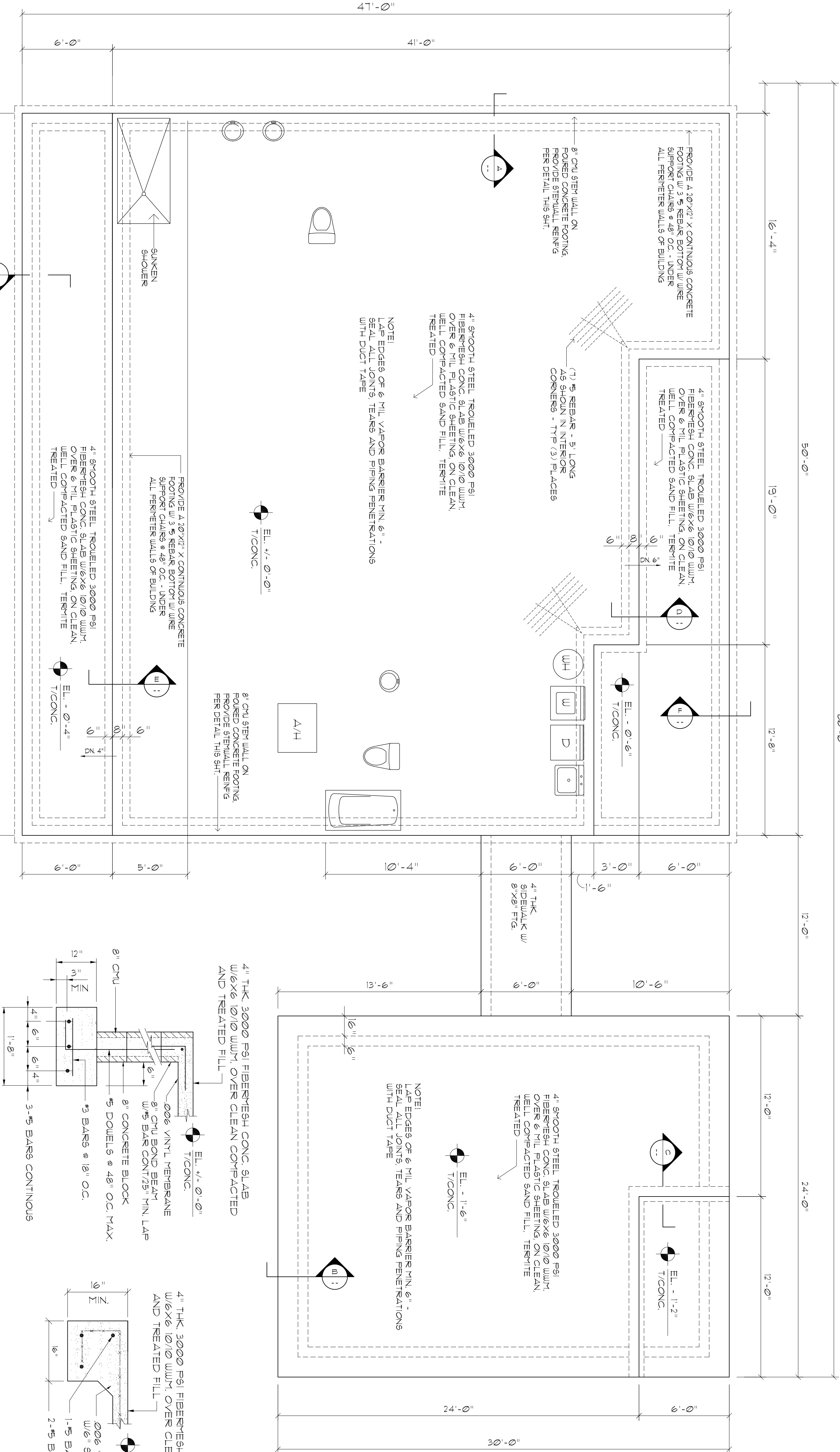
AR0007005

GENERAL CONCRETE NOTES:

1. ALL CONCRETE WORK SHALL CONFORM TO THE AMERICAN CONCRETE INSTITUTE STANDARD 318-11.
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 AS NOTED.
4. ALL REINFORCING STEEL SHALL HAVE A MIN. COVER OF "1" FOR SLABS 1" TO 4" FOR OTHER CONCRETE NOT EXPOSED TO WEATHER OR EARTH, 2" FOR CONCRETE EXPOSED TO WEATHER OR EARTH, AND 3" FOR CONCRETE CAST AGAINST AND PERMANENTLY EXPOSED TO EARTH.
5. UNLESS OTHERWISE NOTED, REINFORCED LAP SPICES SHALL BE 40C1 CLASS B SPICES USING THE FOLLOWING LAP LENGTHS:

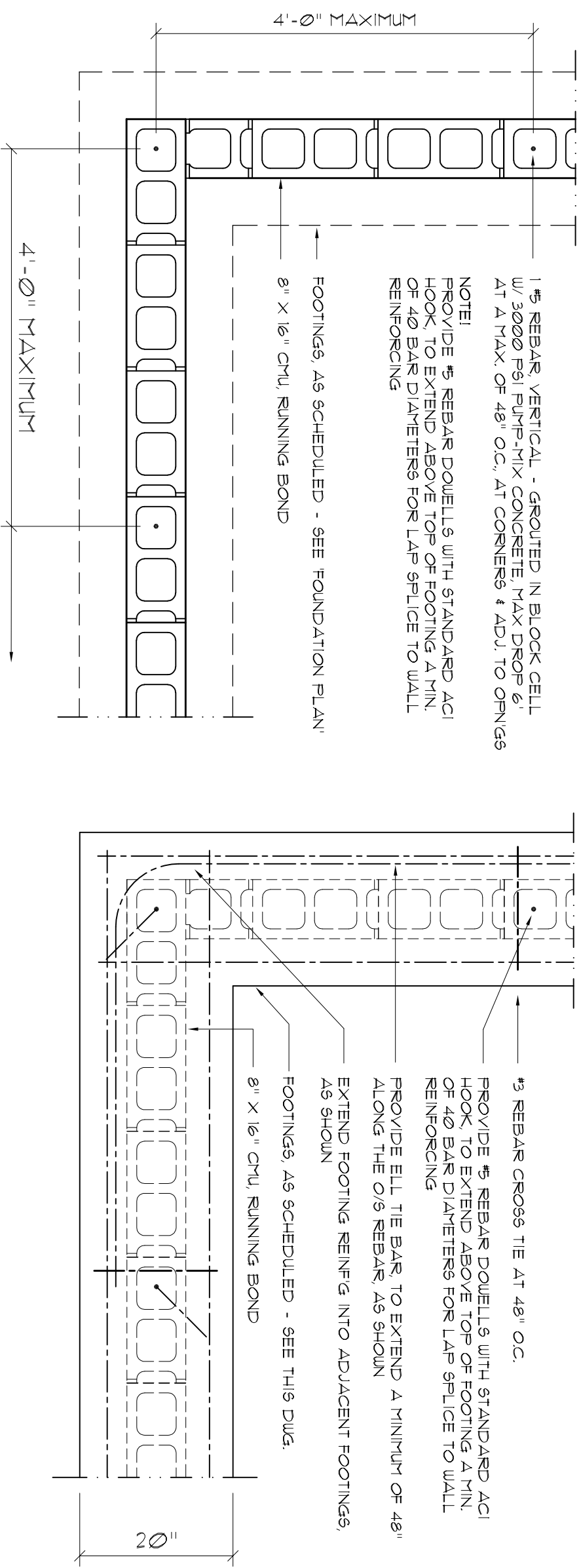
$\frac{1}{4}$ - 16"	* - 25"
$\frac{3}{8}$ - 18"	* - 34"
6. PRIOR TO PLACING CONCRETE, ALL REINFORCING STEEL SHALL BE FREE OF LOOSE RUST AND SCALE OR ANY FOREIGN MATERIAL.
7. PRIOR TO PLACING CONCRETE REFER TO ARCHITECTURAL, PLUMBING, PIPING, INSTRUMENTATION AND ELECTRICAL DRAWINGS FOR EMBEDDED ITEMS.

FOR TO THE CONSTRUCTION OF THE
FLOOR AND INTERIOR BEARING
CONDITIONS FOR THE TRASS
EMERGED SH DRAINING WITH THE
FOUNDATION PLAN AN INTERIOR BEAR-
ING LOCATIONS ON AN POINT LOADS OF
40 K OR GREATER SHALL BE SUPPORTED
BY A MODIFIED FOUNDATION PLAN TAKING
THE FOUNDATION SHALL MAKE EITHER
CONCRETE OR STEEL PIERCEMENTS
THAT ARE SHOP DRAWINGS AVAILABLE TO
THE ARCHITECT FOR PURPOSES OF REFIN-
ING SUCH MODIFICATIONS PRIOR TO FOUR
IN ANY CONCRETE



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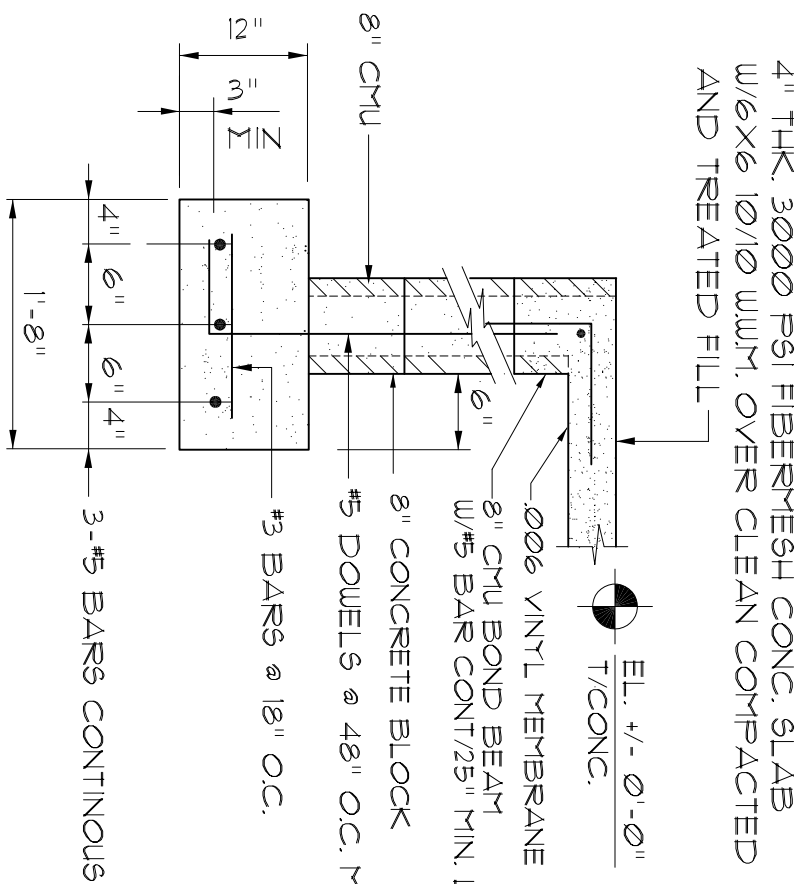
SCALE: 1/4" = 1'-0"



Wall/Foundation Reinforcing Detail

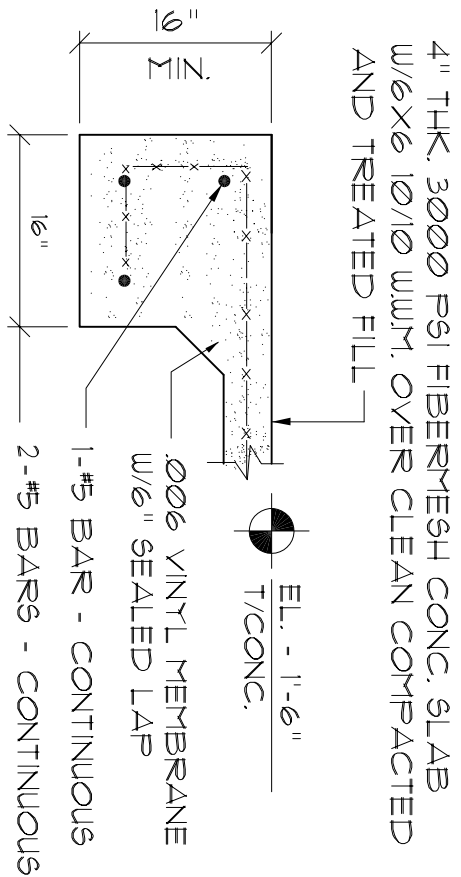
5
6
7
8
9
0
-

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



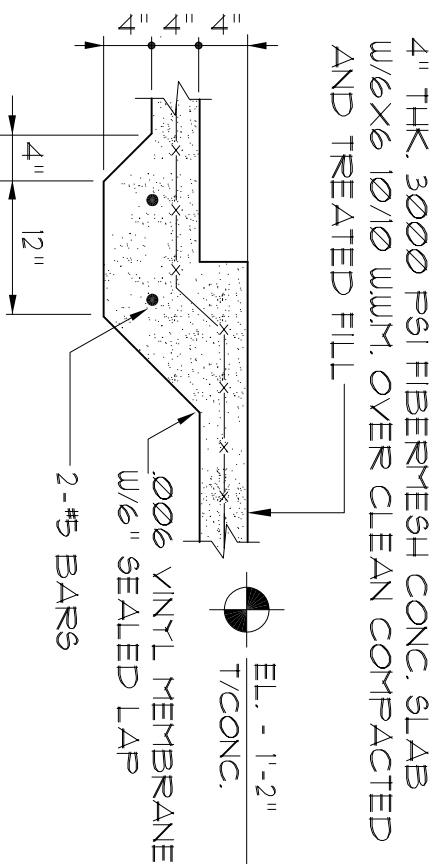
Section

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



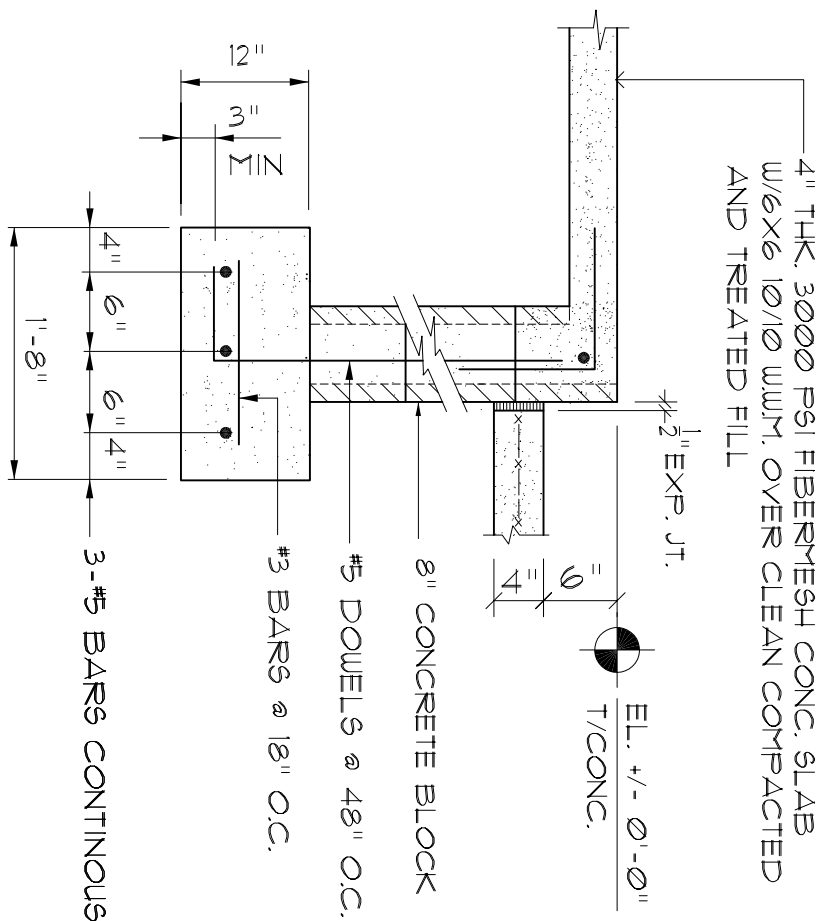
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CARPOR
SCALE 3/4" = 1'-0"



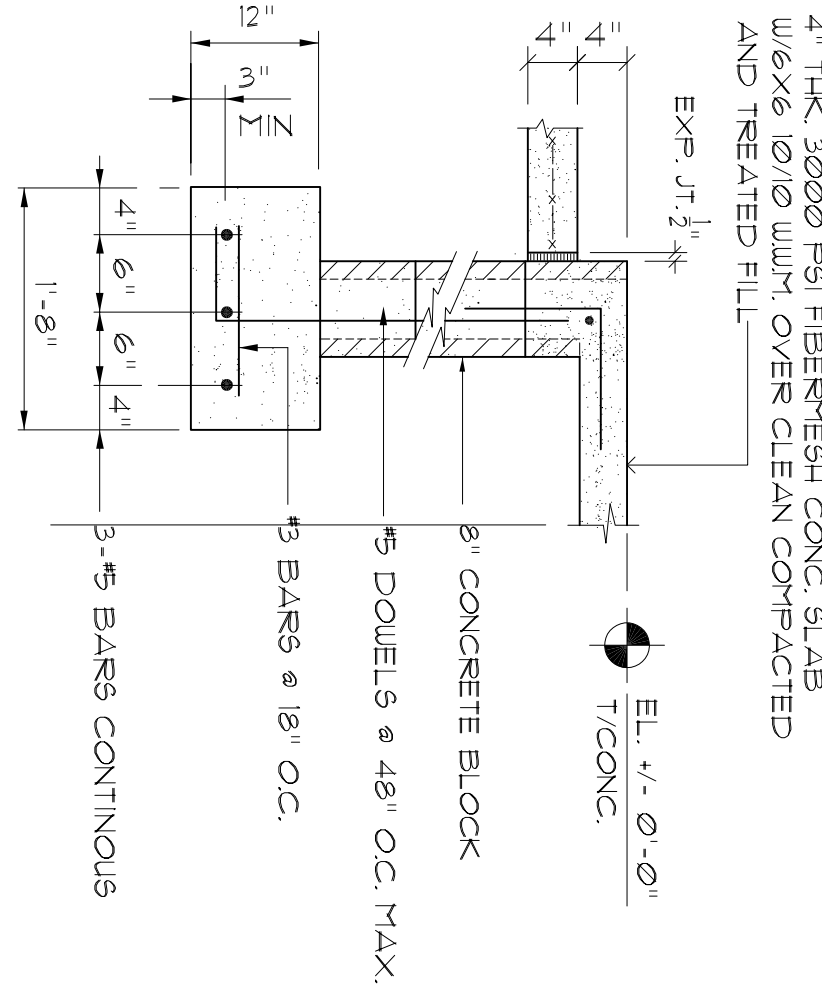
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6
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5

REAR PORCH & HOUSE
SCALE 3/4" = 1'-0"



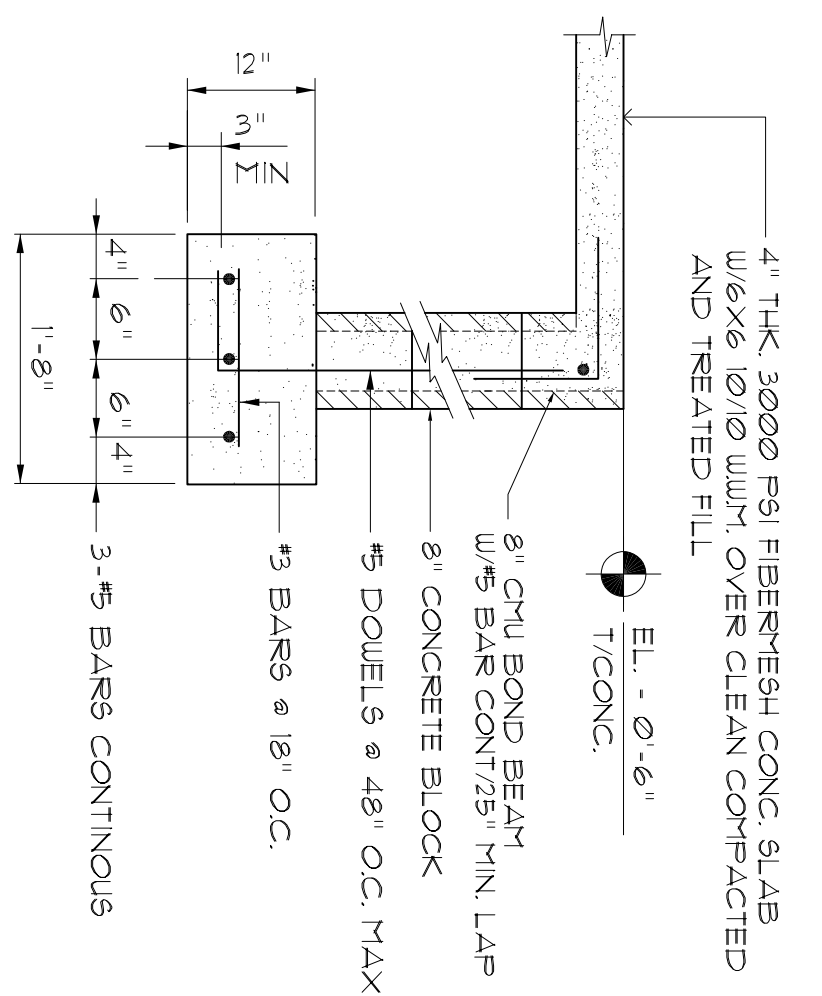
Section

FRONT PORCH @ HOUSE
SCALE 3/4" = 1'-0"



500

SCALE 3/4" = 1'-0"



REVISION:

DRAWN:
DJR

CUSTOM DESIGNED HOME FOR:
Mr. Randy McRae
COLUMBIA COUNTY, FLORIDA
Typical Wall Sections

DAVID J. ROYAL
ARCHITECTURAL DESIGNER
Lake City, Florida • 386-782-4610

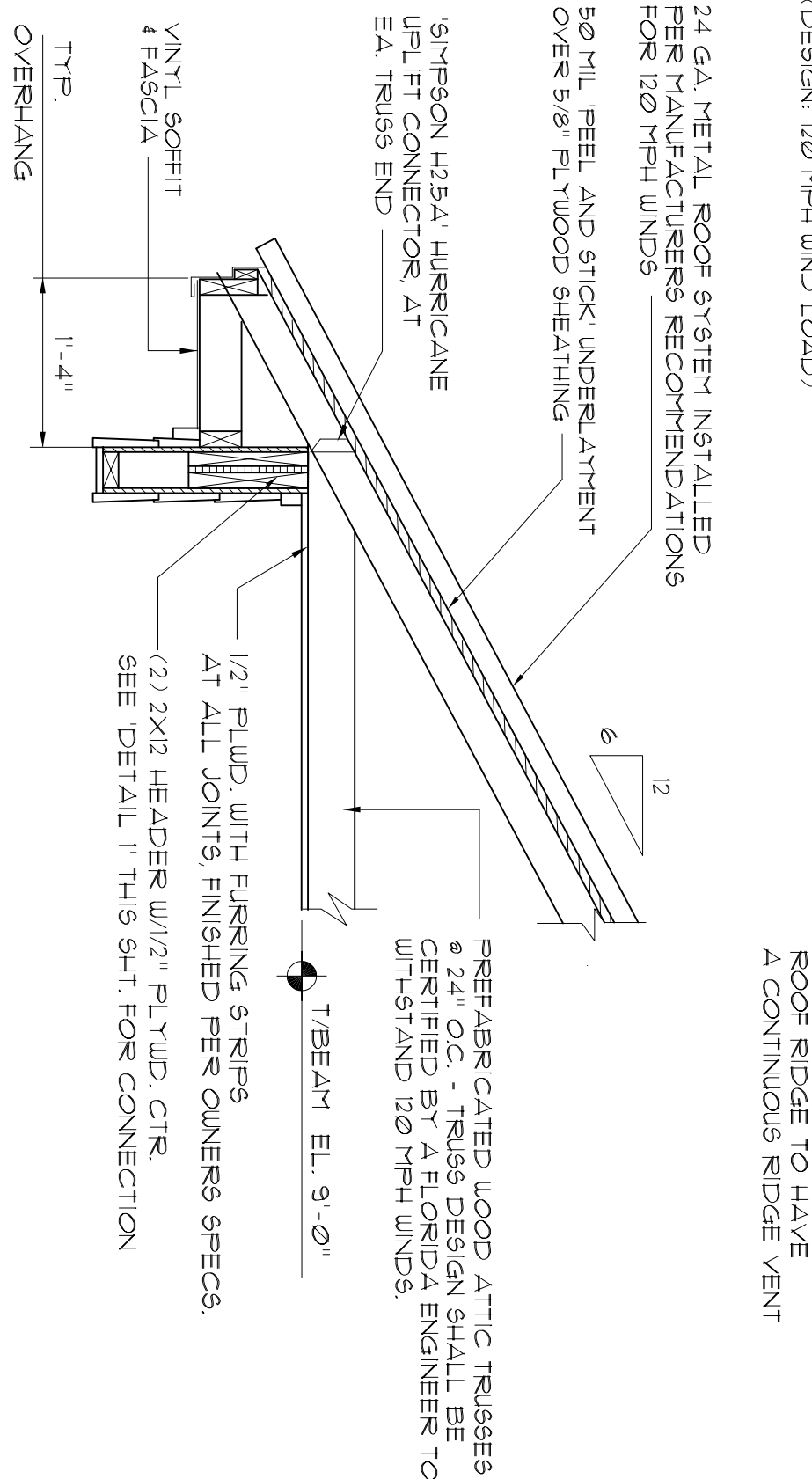
ND
NICHOLSON
DESIGN
ARCHITECT
N.C.A.R.B. Certified
1198 N. Brown Rd.
Lake City, FL 33701
386-369-4359

DATE:
22/JAN/2019
COMPI:

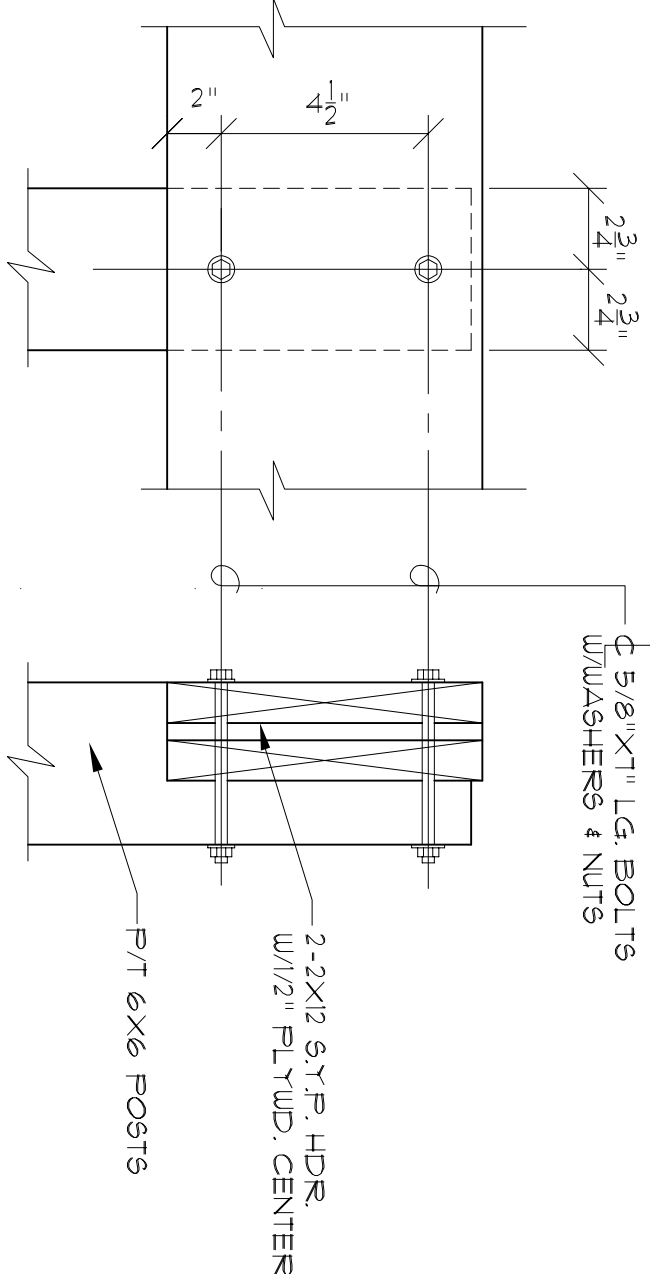
SHEET:

A.6
6 of 14

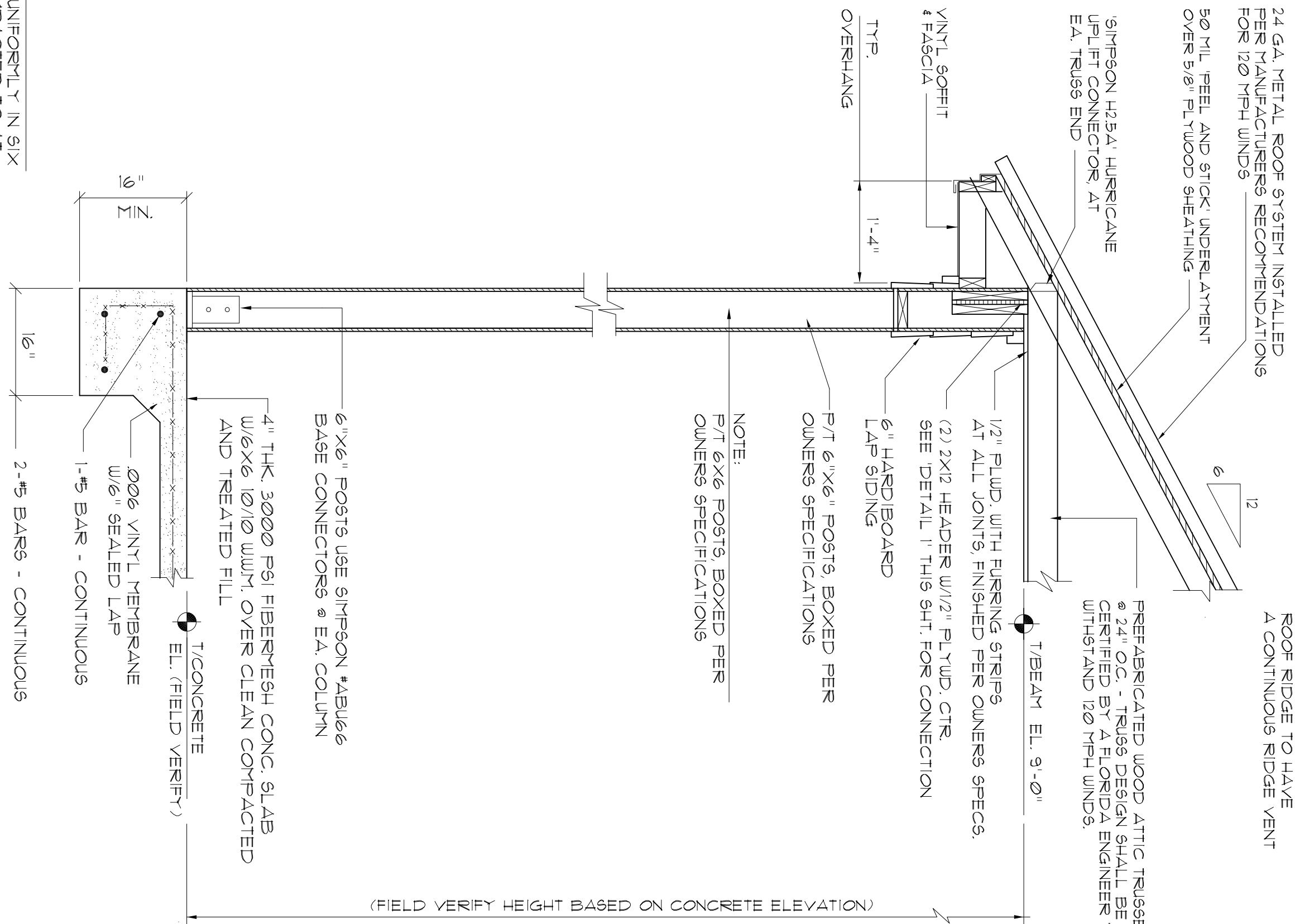
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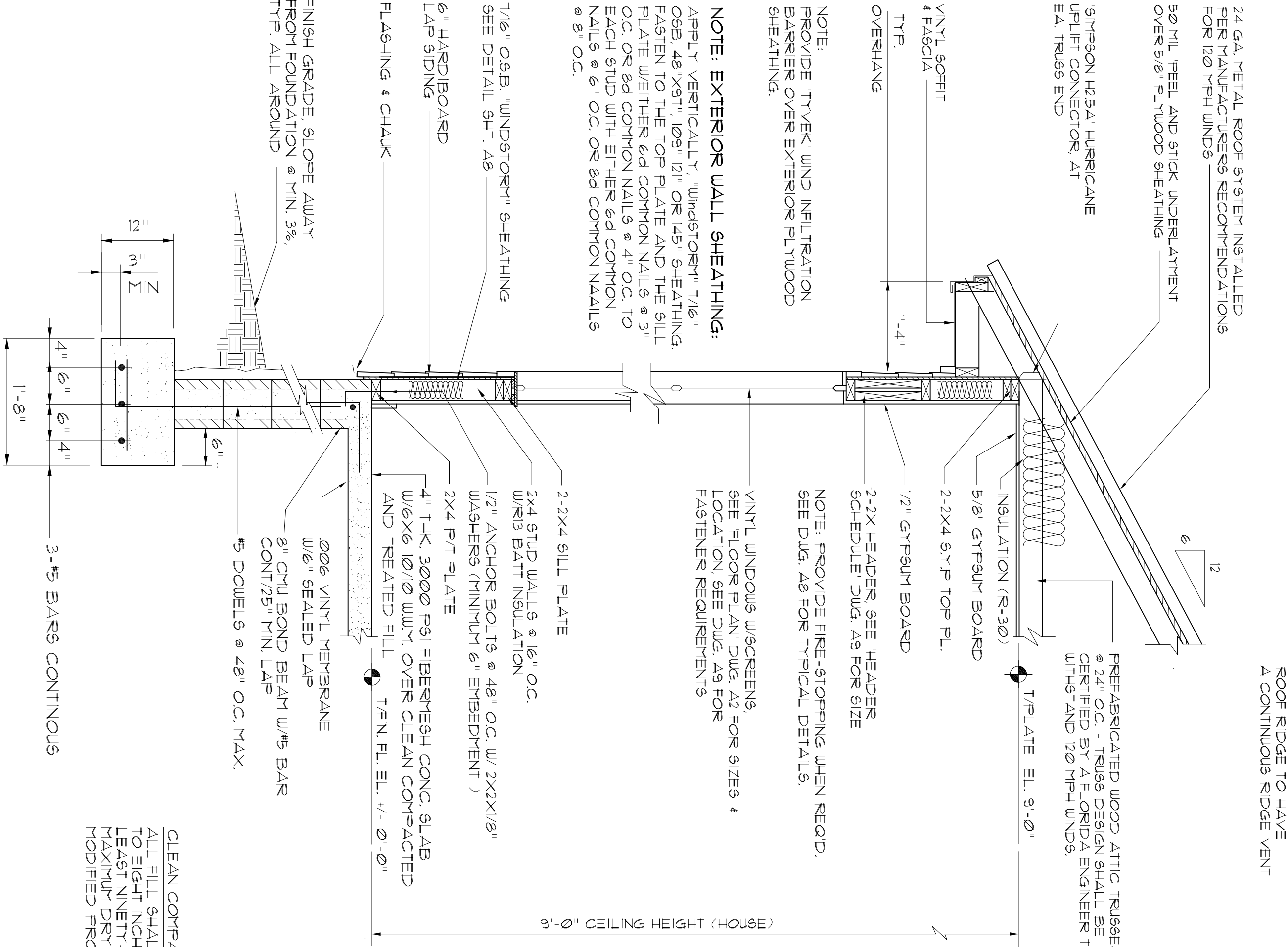
Typ. Section J
BREEZEWAY SECTION
SCALE 3/4" = 1'-0"



Detail 1
BEAM / POST CONNECTION
SCALE: N.T.S.



Typ. Wall Section H
CARPORT SECTION
SCALE 3/4" = 1'-0"



Typ. Wall Section G
HOUSE WALL SECTION
SCALE 3/4" = 1'-0"

NOTE: ASSUMED SOIL BEARING CAPACITY 1500 PSF

2017 FLORIDA BUILDING CODE
COMPLIANCE SUMMARY

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

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

Material: 7/16" O.S.B. "windSTORY" Sheathing. See Sht. A2
Sheet Size: 48"x109" Sheets Placed Vertical
Fasteners: 8d Common Nails. See Detail on Sht. A8
Diaphragm: Double Top Plate (5,T,F), W/led Nails @ 12" O.C.
Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

Tues to Wall @ HOUSE: "SIMPSON" H25A @ Ea. Tues End
Tues to Wall @ Porch: "SIMPSON" H25A @ Ea. Tues
Tues w/Heel to Wall: "SIMPSON" H25A @ Ea. Tues
Anchor Bolts: Header to King Studs: "SIMPSON" 6T22
Plate to Stud: "SIMPSON" 6P2

Stud to Shit: "SHIFTEON SHIT"
Misc. Joints: "SHIFTEON" A34
Column to Beam (Porches): "SHIFTEON" PC46
Column to Beam: "SHIFTEON" A36
Column to Base: "SHIFTEON" AB06
Anchor Bolts: Anchor Bolts: 1/2" A307 Bolts @ 48" O.C.
Corner Hold-down Devices: All "Thread" Signwalls, See
Detail Shit. A8

House Fig.: 20"x12" W/3-#5 Bars Cont. On Wire Chairs @ 48" O.C.
 Carpet Fig.: 16"x16" Monolithic W/2-#5 Bars Cont. On Wire Chairs @ 48" O.C.
 Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1603, FLORIDA BUILDING CODE, 2017 EDITION.

[illegible]

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

SCALE 3/4" = 1'-0"

WALL SECTION AT FRONT PORCH

 Δ

REVISION:

DRAWN:
DJR

CUSTOM DESIGNED HOME FOR:
Mr. Randy McRae
COLUMBIA COUNTY, FLORIDA
Door / Window Details

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Lake City, Florida • 386-752-4670

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Lake City, FL 32055
386-365-4355

DATE:
22/JAN/2019
COMP:

SHEET:

A.9
9 of 14

AR0007005

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
- J #0 X 2" F.H.W.S. (4) SCREWS THROUGH EACH SIDELITE JAMB INTO DOOR JAMB
- K #0 X 2" F.H.W.S. (6) SCREWS THROUGH EACH SIDELITE JAMB INTO SIDELITE, 4" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER
- L #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
- M #0 X 1 3/4" F.H.W.S. (3) PER SIDE FROM JAMB INTO THRESHOLD
- N SHERWIN WILLIAMS 8504 EXTERIOR GRADE LATEX CAULK
- O TEMPERED / INSULATED GLASS WINDOW

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

* WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED

NOTE !!!
EXTERIOR DOORS SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:

SERIES ENTERGY 6-8 W/E INSULING
OPALQUE RESIDENTIAL INSULATED
STEEL DOOR W/ STEEL FRAME AS
MFD BY "PREVIMOR ENTRY SYSTEMS"

Window Notes

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

- 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

WINDOW FASTENER SCHEDULE

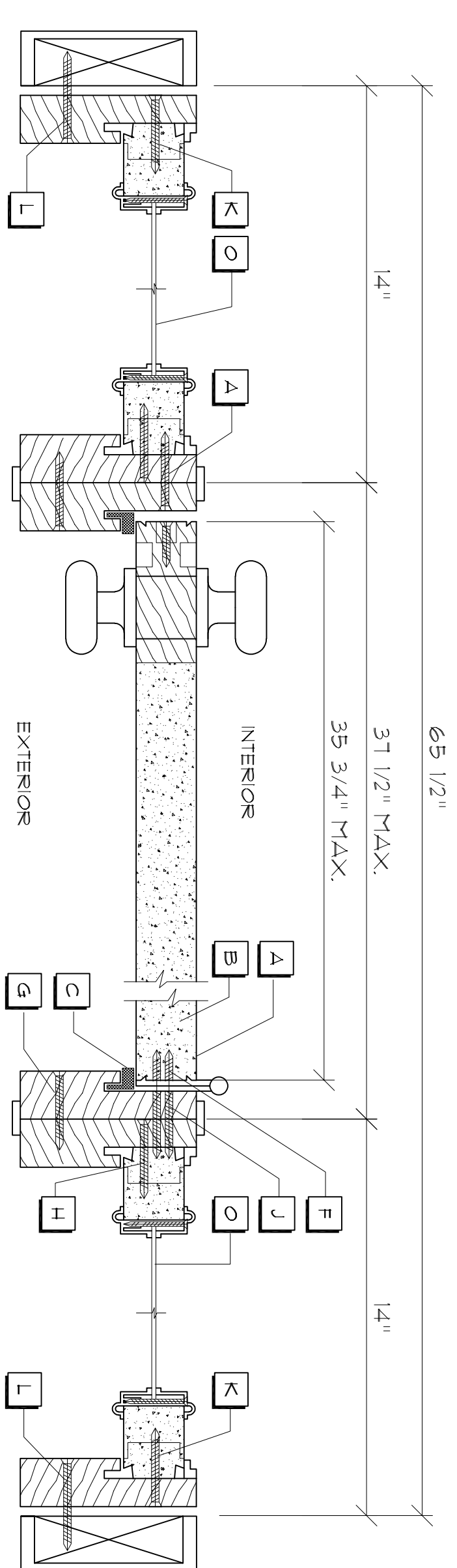
SIZE	DESCRIPTION	INSTALLATION	MODEL
4020	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
3046	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
3020	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
3050	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
3060	SINGLE HUNG VINYL SASH W/INSL. GLASS	1" ROOFG. NAILS 2 @ 6" FROM CORNERS, 18" O.C.	SERIES 450
2-3050	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

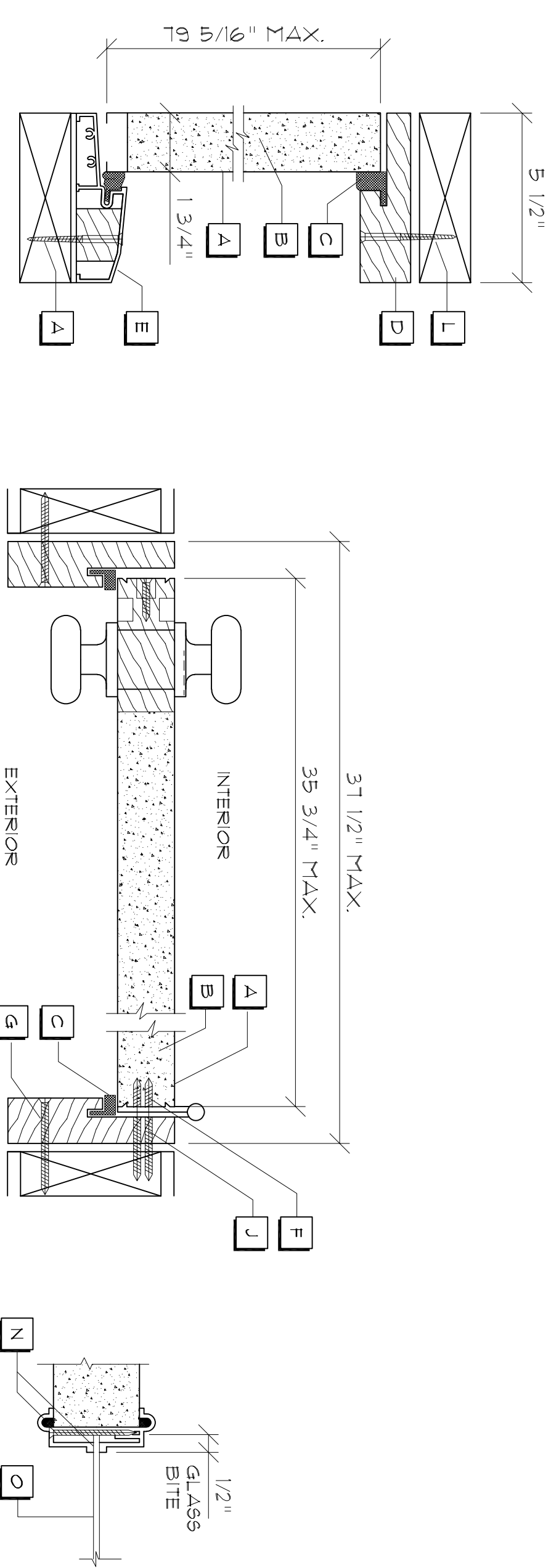
NOTE: VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

N1 - COMPLETE WITH FAN LITE AS PER SERIES 450

N2 - TESTING AS PER ASTM E1300



HORIZONTAL SECTION - MAIN ENTRANCE W/SIDELITES

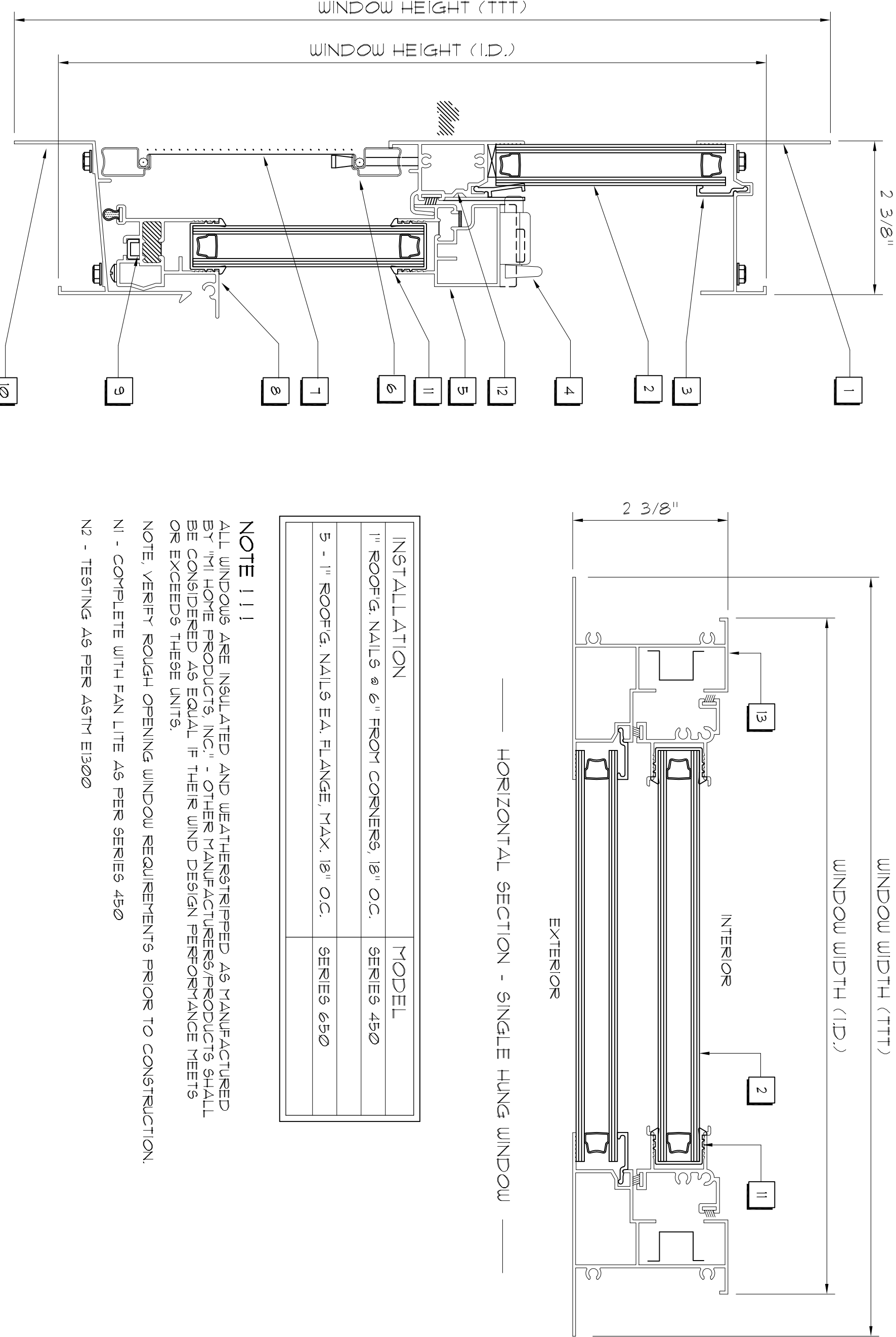


TYPICAL VERTICAL SECTION HORIZONTAL SECTION - SINGLE FRENCH DOORS GLAZING DETAIL

NOTE: VERIFY ROUGH OPENING DOOR REQUIREMENTS PRIOR TO CONSTRUCTION.

Typ. Exterior Door Jamb Details

SCALE : NONE



INSTALLATION	MODEL
1" ROOFG. NAILS @ 6" FROM CORNERS, 18" O.C.	SERIES 450
5 - 1" ROOFG. NAILS EA. FLANGE, MAX. 18" O.C.	SERIES 650

NOTE !!!
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

VERTICAL SECTION - SINGLE HUNG WINDOW

Typ. Window Jamb Details

SCALE : NONE

REVISION:

DRAWN:
DJR

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

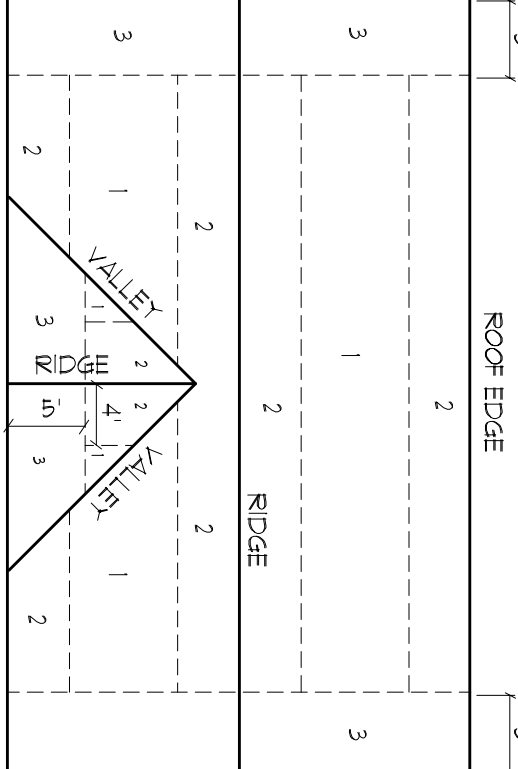
DAVID J. ROYAL
ARCHITECTURAL DESIGNER
Lake City, Florida • 386-752-4610

NOTED
ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.
ALL WORK SHALL BE IN ACCORDANCE WITH THE LATEST EDITIONS OF THE INTERNATIONAL BUILDING CODES AND ALL APPLICABLE LOCAL ORDINANCES.

DATE: 22JAN2019
COMP: [Signature]
SHEET: 10 of 14

AR0007005

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 6 in. o.c. EDGE 12 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES
(GABLE ROOF)

Roof Nail Pattern

SCALE : NONE

SHOP DIA. 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 THAT THE TRUSS ENGINEERED TRUSS PROVIDES 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.

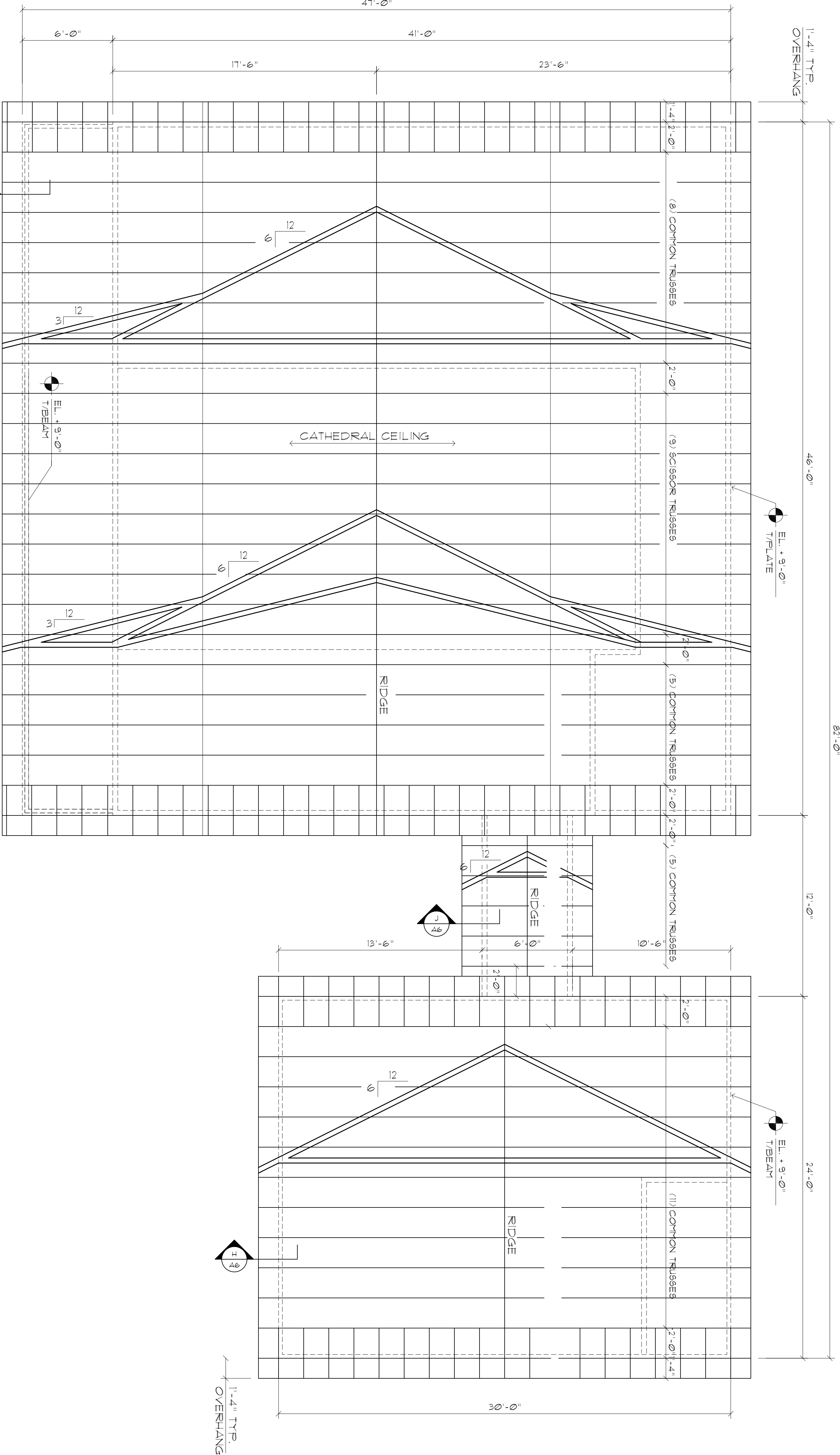
THE CONTRACTOR SHALL COORDINATE THE TRUSS TO TRUSS ANCHOR REQUIREMENTS WITH THE TRUSS ENGINEERING SHOP DRAWINGS SOME OF THE TRUSS TO TRUSS CONNECTIONS WILL REQUIRE ANCHOR STRAPS IN ADDITION TO THE TRUSS TO TRUSS CONNECTIONS. THE CONTRACTOR SHALL PROVIDE ALL JOINTS WITH AN UPLIFT OR GRAVITY LOAD OF 100 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 FOUNDATION SPECIFIC DETAILS, TRUSS TO TRUSS CONNECTIONS OF THE TRUSS PLATE INSTITUTE.
- WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN W2 HEM-FIR OR BETTER.
- CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED VENTIL OR BLACKENED 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.

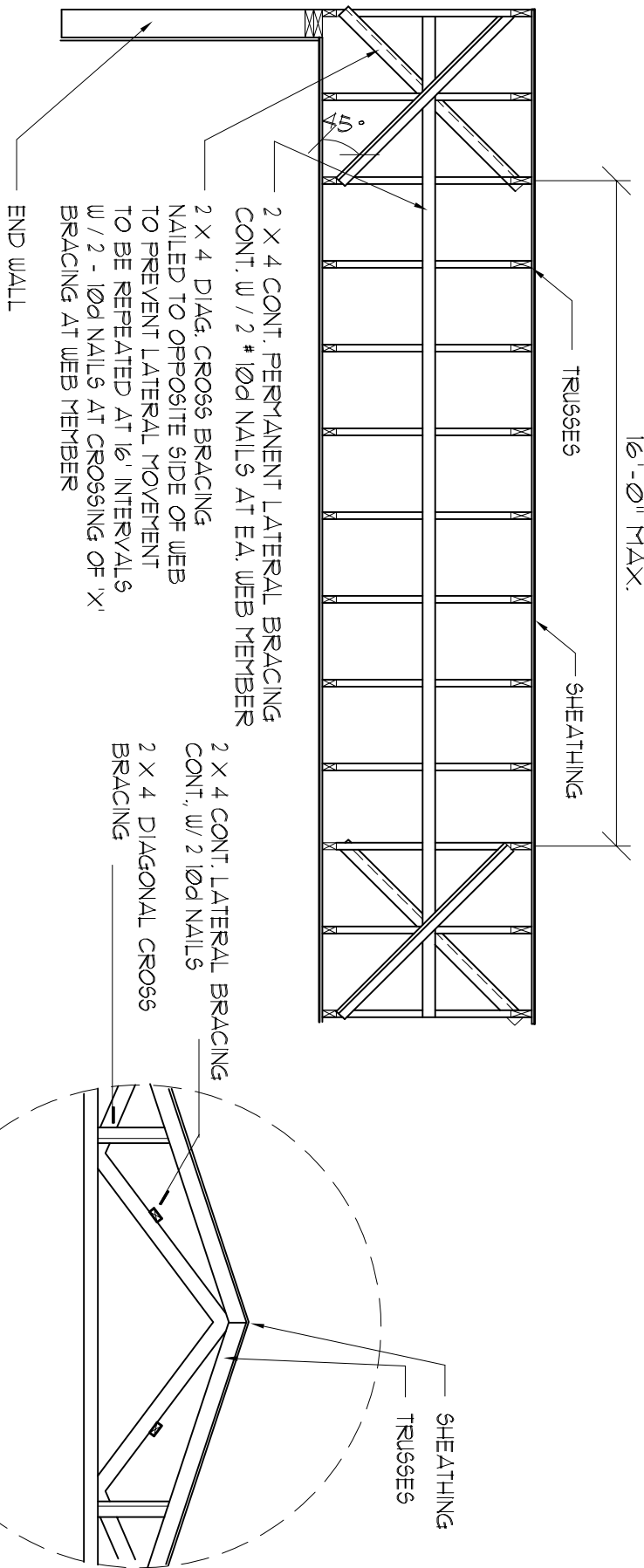
NOTES:

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

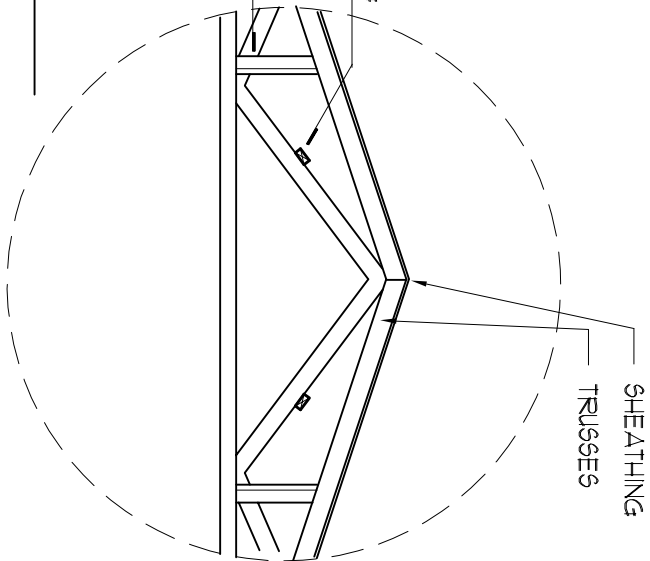


Roof Framing PLAN

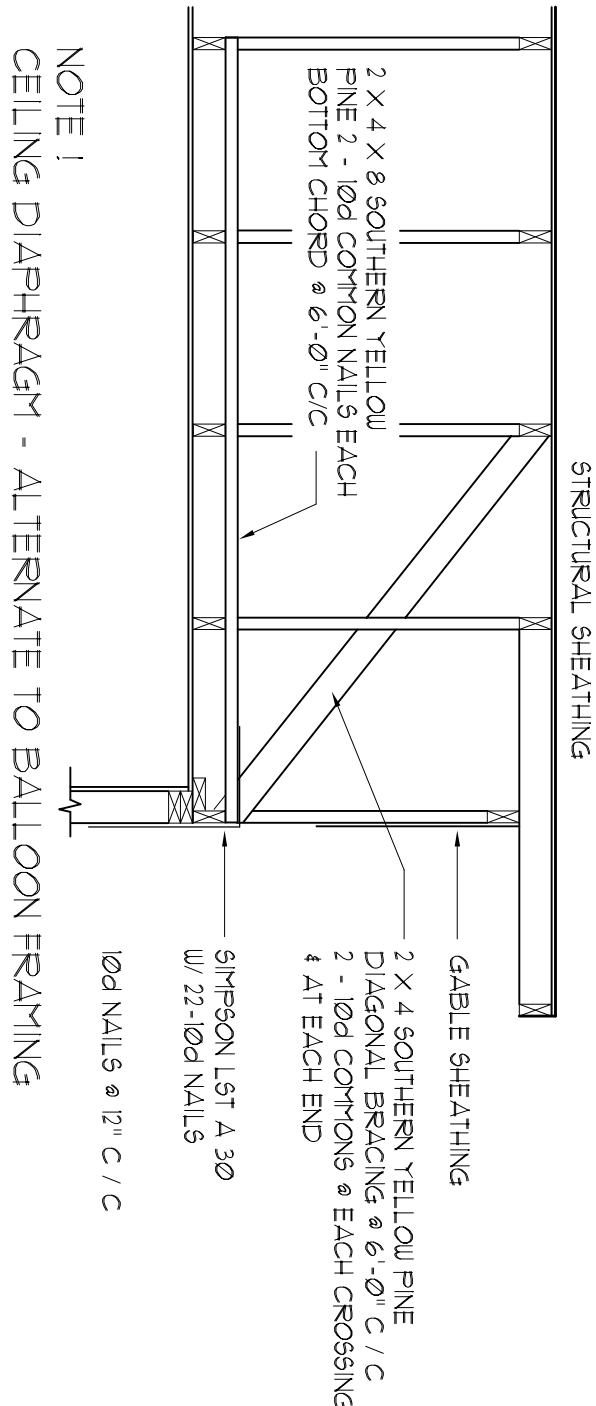
SCALE : 1/4" = 1'-0"



Typ. Permanent Bracing



End Wall

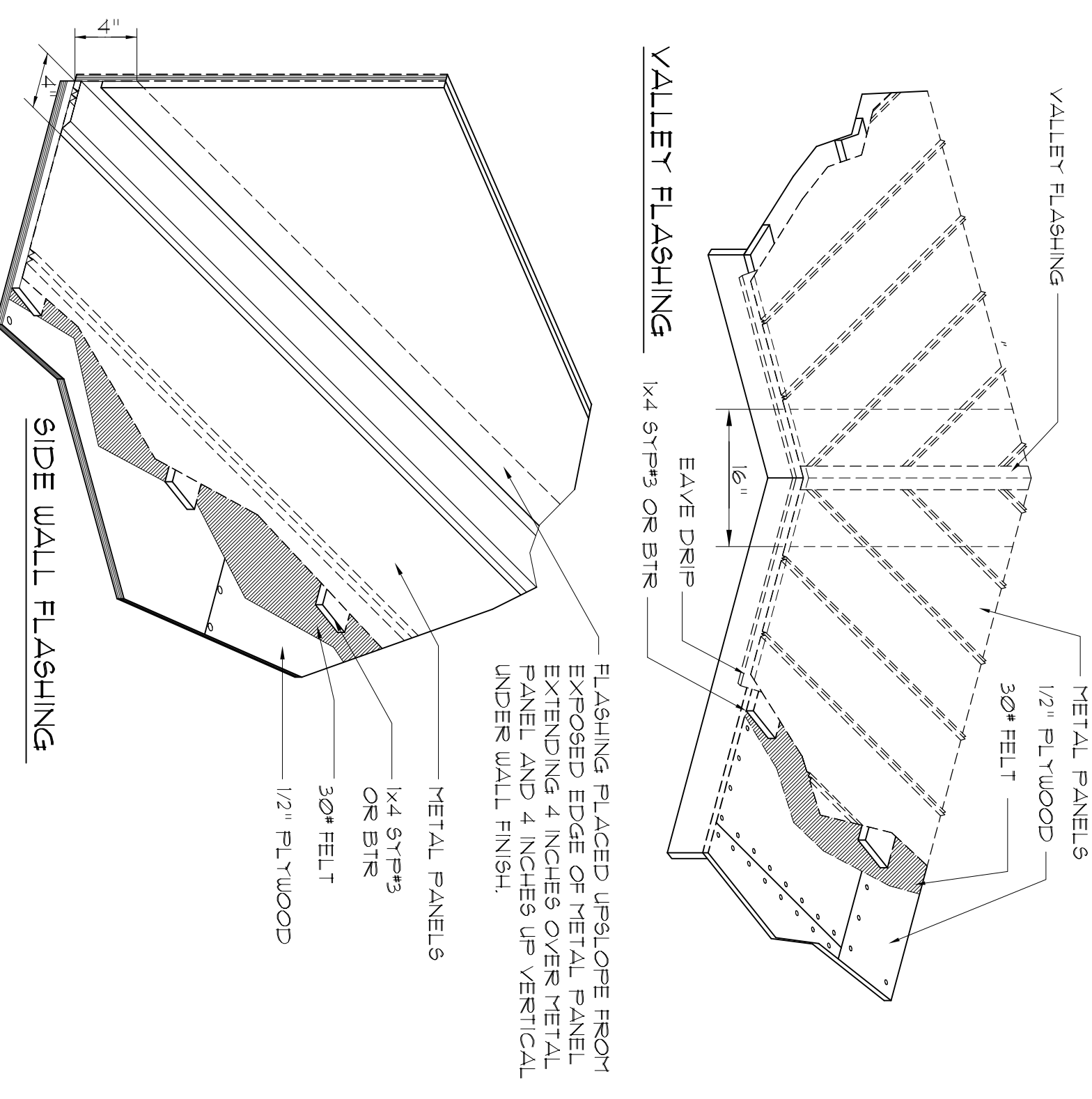


End Wall / Truss Bracing DETAILS

SCALE : NONE

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

5M-RIB METAL ROOFING PANELS ALTERNATE FASTENER SCHEDULE FOR VARIOUS WIND VELOCITIES MANUFACTURERS RECOMMENDED FASTENER SCHEDULE FOR BUILDINGS W/ 25' MEAN ROOF HEIGHT MIN 3/12 PITCH BASED ON ASCE T-90, EXPOSURE "C"									
ROOF ZONE	FASTENER TYPE	FASTENER SIZE	PLACEMENT TO SPACING	100 - 110 O/C	110 - 130 O/C	130 - 150 O/C	150 - 170 O/C	170 - 190 O/C	190 - 210 O/C
1	WD. SCREW	9/8 X 1 1/2"	WOOD	36"	18"	24"	12"	24"	12"
	MTL. SCR.	9/8 X 1 1/2"	WOOD	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"	WOOD	36"	18"	24"	12"	24"	8"

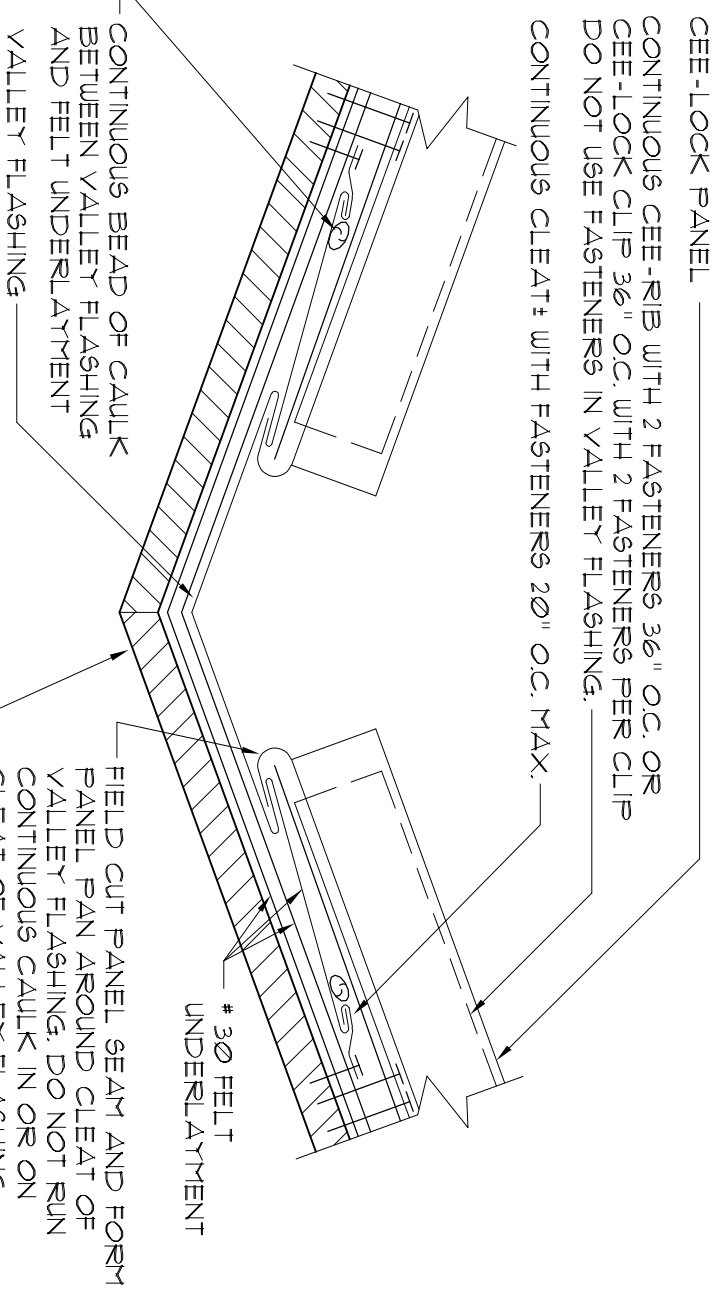


5M-RIB PANEL INSTALLATION NOTES

- 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 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 15 INCHES AND FASTENED 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, THE BOTTOM LAYER 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, THE BOTTOM LAYER 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 OF 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\"/>

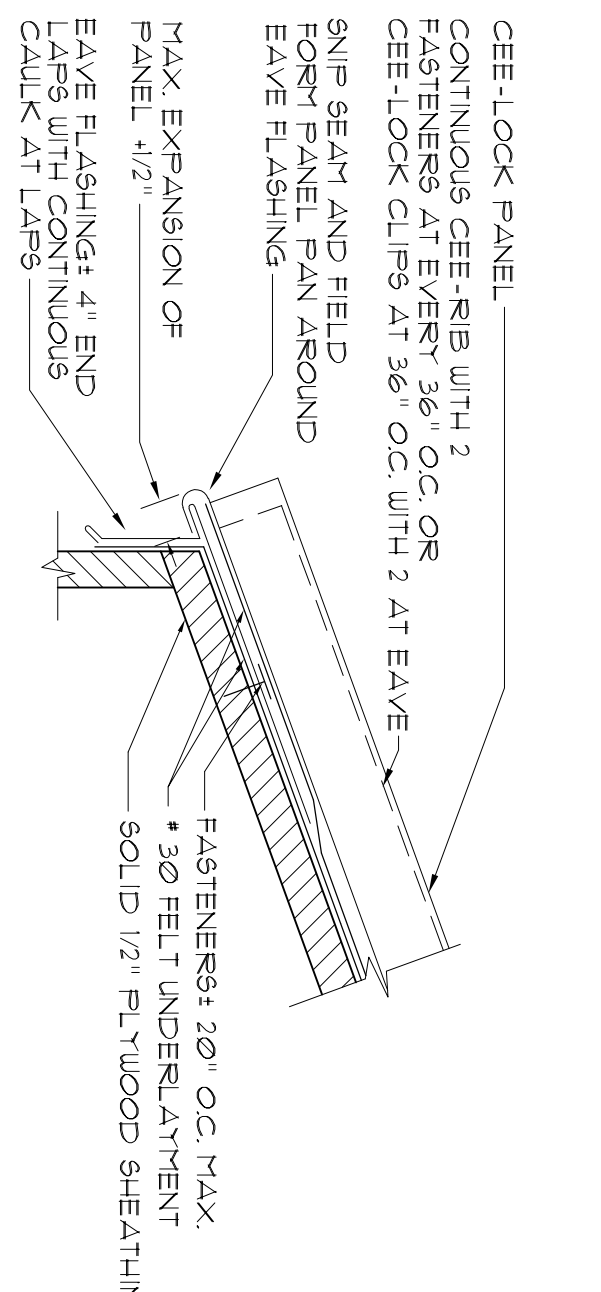
STANDING SEAM PANEL INSTALLATION NOTES

- DOUBLE LAYER OF NUMBER THIRTY FELT UNDERLAYMENT OR CALK, AND THE CEE-LOCK OPTIONAL VINYL WEATHERSEAL (US PATENT NO. 4,641,475) ARE RECOMMENDED FOR ALL APPLICATIONS WHERE THE ROOF SLOPE IS 3 ON 12 OR LESS.
- STRIPPABLE FILM, THE STRIPPABLE PLASTIC FILM WHICH IS APPLIED OVER ROOF PROVIDES PROTECTION OF THE FINISH DURING FABRICATION AND TRANSPORT. THIS FILM MUST BE REMOVED PRIOR TO INSTALLATION.
- SOLID SHEATHING REQUIREMENTS: 5/8\"/>
- SHEATHING INSPECTION:
A. SHEATHING END JOINTS SHOULD BE STAGGERED.
B. ALL END JOINTS SHOULD MEET AT EITHER A JOIST OR Rafter.
C. BLOCKING OR 1/4\"/>
- MAKE SURE SUBSTRATE JOINTS ARE TIGHT AT ALL HIPS, VALLEYS, AND RIDGES.
- FASCIA/RAKE INSPECTION:
A. STRIKE A LINE THE FULL LENGTH OF THE FASCIA OR RAKE. IF NOT STRAIGHT, CORRECT WITH SHIPS.
B. MAKE SURE FASCIA/RAKE IS FLUSH WITH SHEATHING.
- FELT UNDERLAYMENT: A MINIMUM SINGLE LAYER OF 30 FELT UNDERLAYMENT (OR FELT MUST BE APPLIED OVER SOLID SHEATHING AS SHOWN IN THE BERBRIDGE MANUFACTURING COMPANY TYPICAL FELLING DETAILS). THE USE OF ADDITIONAL LAYERS OF 30 FELT IS RECOMMENDED ON LOW-SLOPED ROOFS, AT ALL VALLEY CONDITIONS, AT ROOF PENETRATIONS, AND CERTAIN OTHER FLASHING CONDITIONS AS DERIVED IN THE ROOF PANEL TYPICAL DETAILS. THE UNDERLAYMENT MUST COVER THE ENTIRE ROOF DECKED SURFACE.
- FELTING INSTALLATION:
A. DO NOT USE RED ROBIN PAPER UNDER METAL ROOFING PANELS.
B. SLEEP ROOF AREA CLEAN.
C. USE FLAT HEAD GALVANIZED ROOFING NAILS 1/2 X 1 1/4\"/>
- FLASHING: IF BERBRIDGE MANUFACTURING COMPANY'S IS TO SUPPLY FLASHINGS, ALL FLASHINGS WILL BE FABRICATED IN 10\"/>
- FLASHING INSTALLATION:
A. REMOVE STRIPPABLE PLASTIC FILM FROM EACH PANEL, PRIOR TO INSTALLATION.
B. START PANEL INSTALLATION AT AN GABLE END OF THE ROOF WORKING TOWARD THE OTHER GABLE END. MAKE SURE PANELS ARE PERPENDICULAR TO THE EAVE. ALL PANEL AREAS WHERE THE PANELS ARE INSTALLED SO THAT DRAINAGE HAS FREE FLOW AND IS NOT OBSTRUCTED BY PANEL SEAMS.
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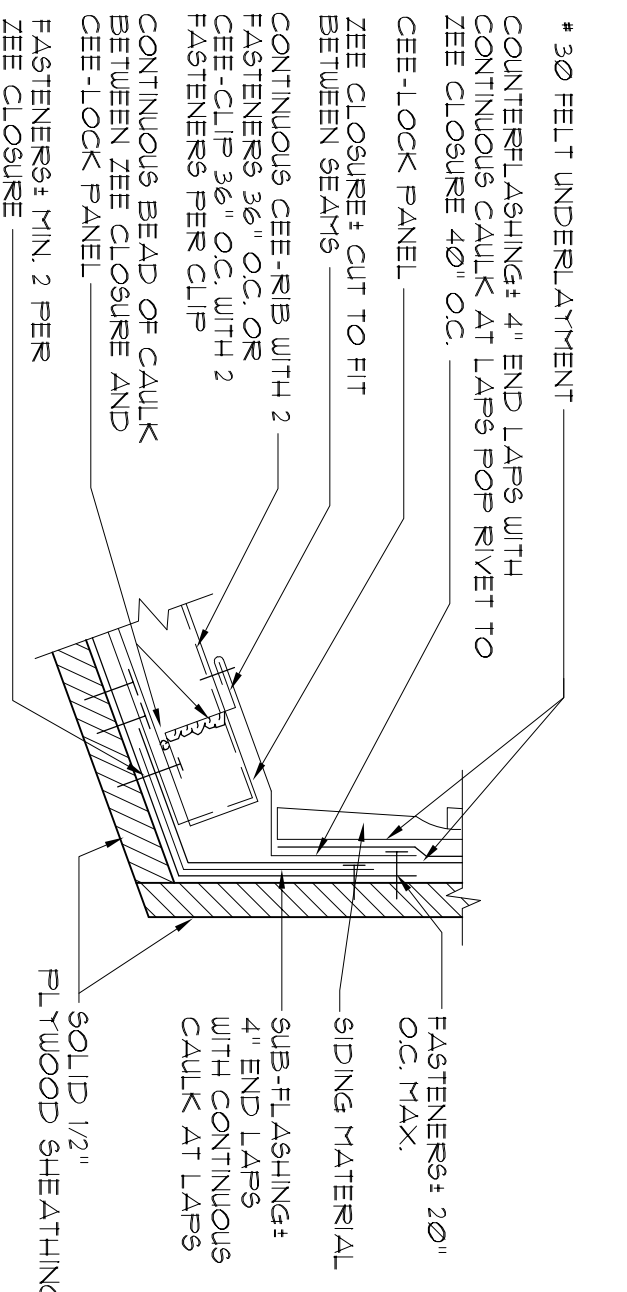
VALLEY DETAIL

SCALE: NONE



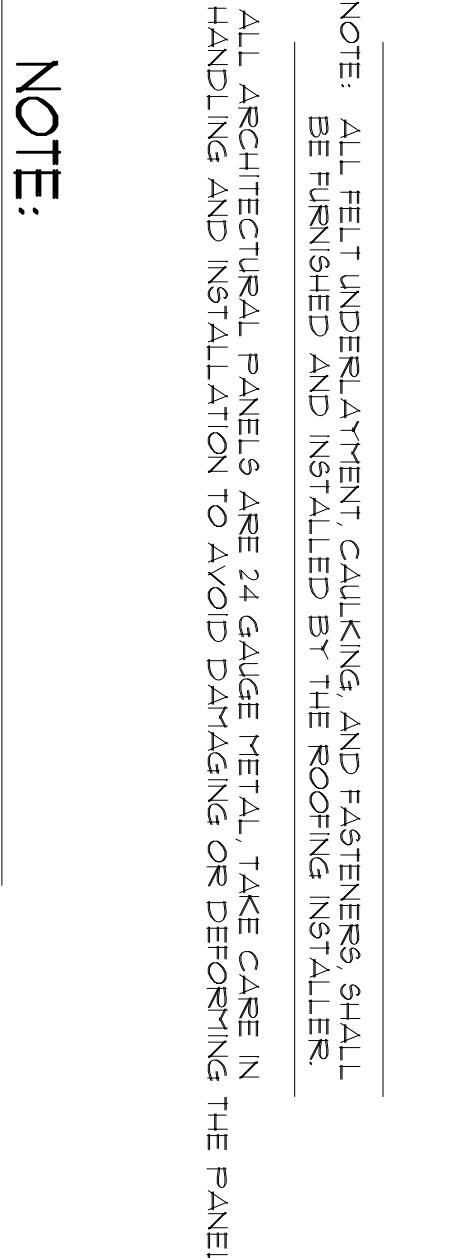
EAVE DETAIL

SCALE: NONE



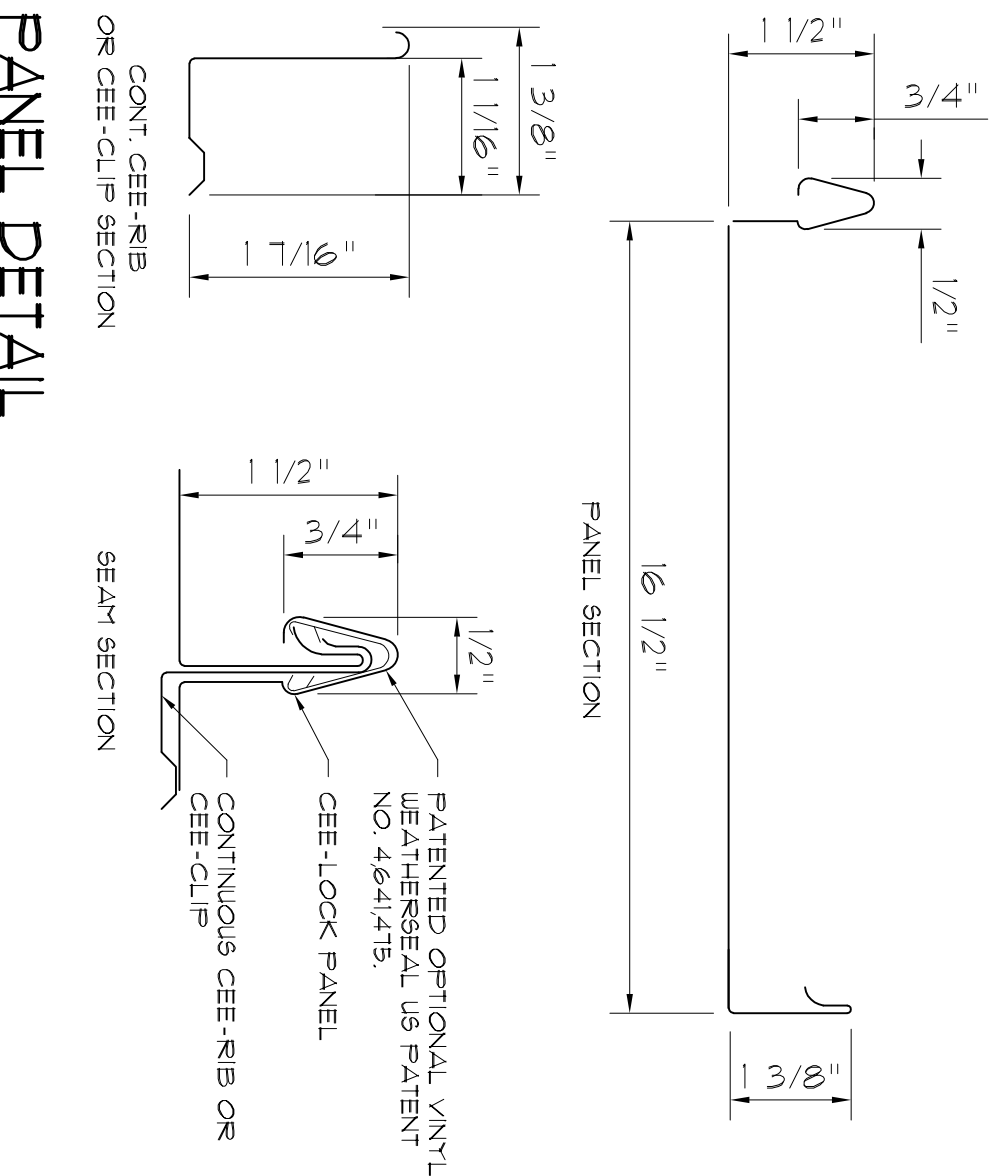
FLASHING DETAIL

SCALE: NONE



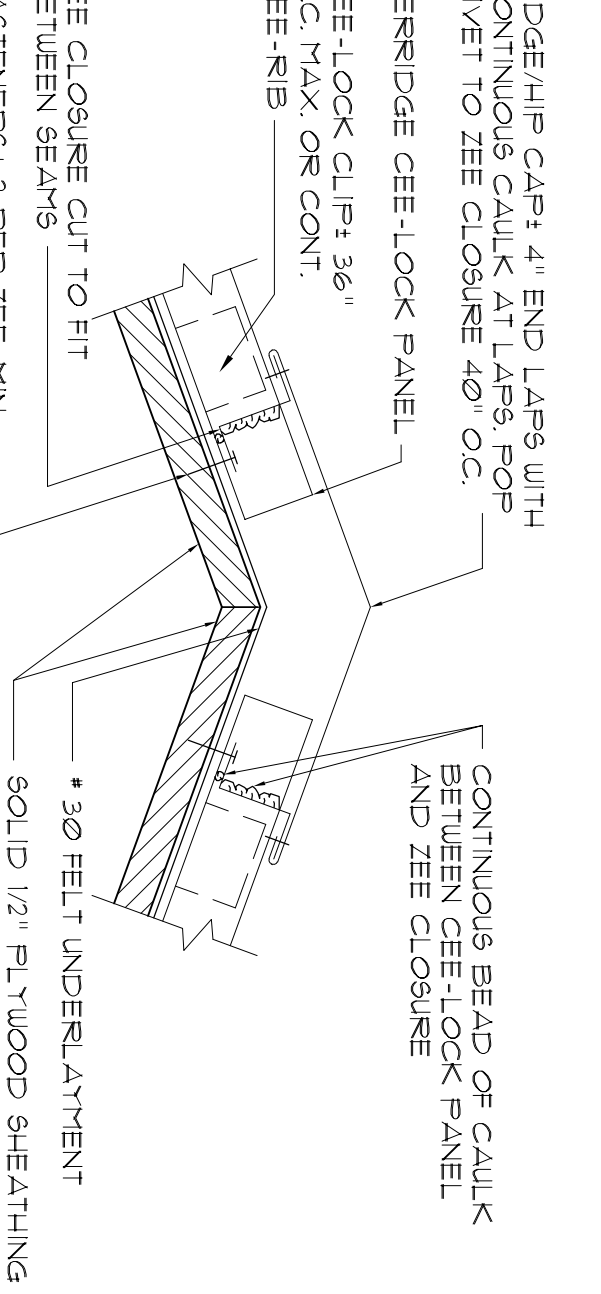
NOTE:

- THE STANDING SEAM METAL ROOF SYSTEM SHALL COMPLY WITH BERBRIDGE MANUFACTURING COMPANY'S TYPICAL FLASHING DETAILS AS SHOWN ON THE SEAM PANELS. THE SEAM PANELS ARE APPROVED PRODUCT OF BODAL DESIGN.
- BERBRIDGE MANUFACTURING COMPANY
1700 MAURY STREET
HOUSTON, TX 77066
1-800-731-8171
http://www.bdmfg.com
- APPROVED ALTERNATE:
ENGLETT, INC.
1200 AIRPORT AVENUE
FIRTH ARBOY, NJ 08862
1-800-610-1915
http://www.egletinc.com



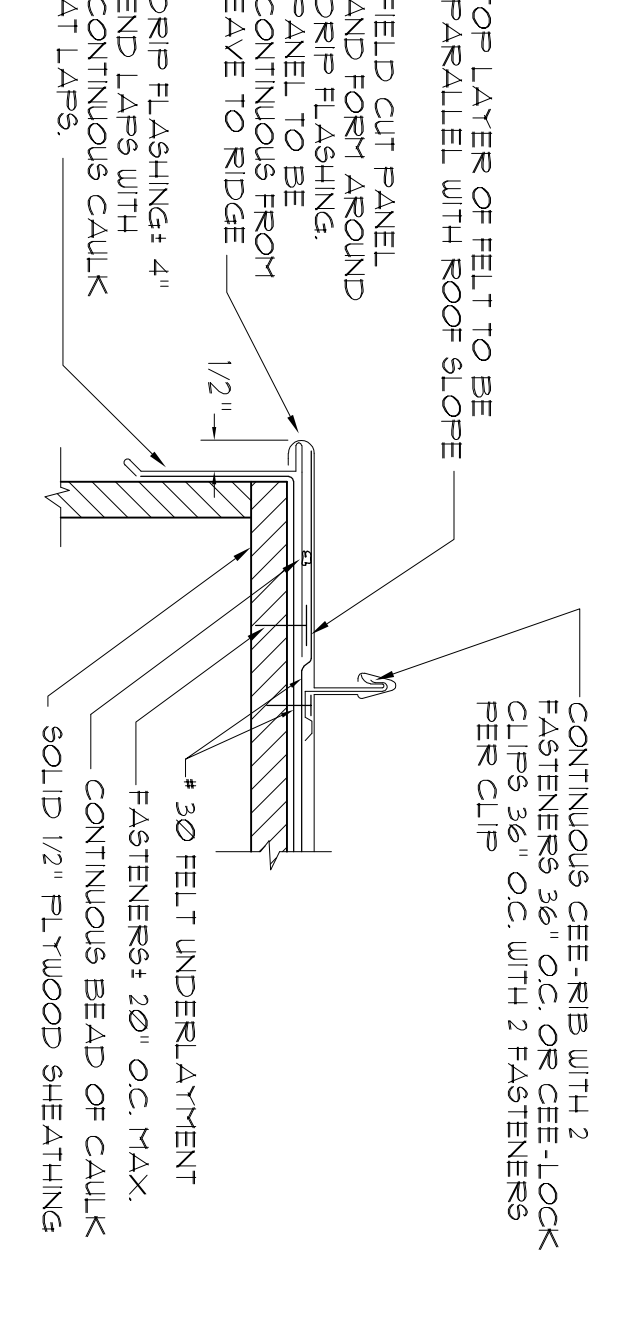
PANEL DETAIL

SCALE: NONE



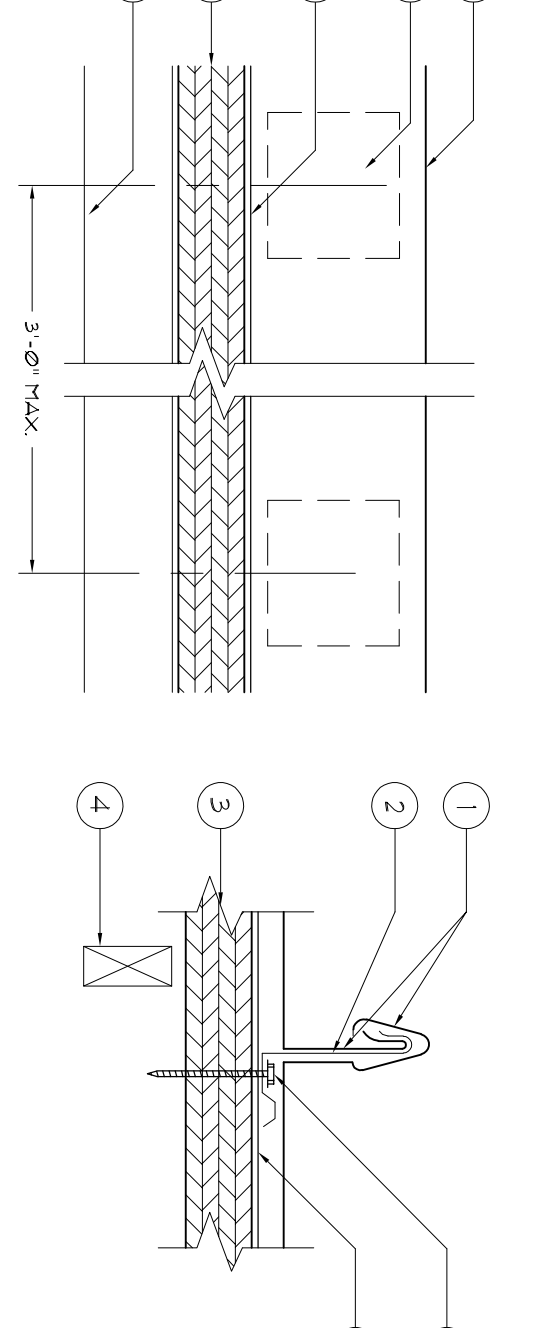
RIDGE/HIP DETAIL

SCALE: NONE



GABLE DETAIL / PANEL TURNDOWN

SCALE: NONE



CLIP FASTENER DETAIL

SCALE: NONE

- CEE-LOCK PANEL: NO 24 MSG (MIN. YIELD STRENGTH 40,000 PSI) THICKNESS COATED STEEL, 16 1/2 IN WIDE 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).

REVISION:

DRAWN:
DJR

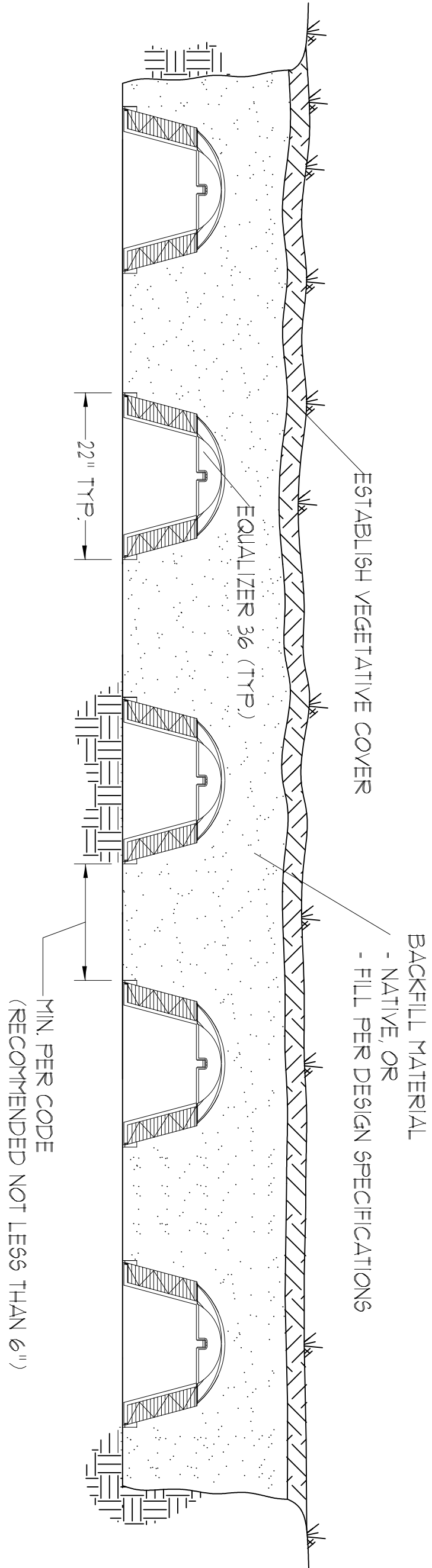
CUSTOM DESIGNED HOME FOR:
Mr. Randy McRae
COLUMBIA COUNTY, FLORIDA
Plumbing Riser & Details

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

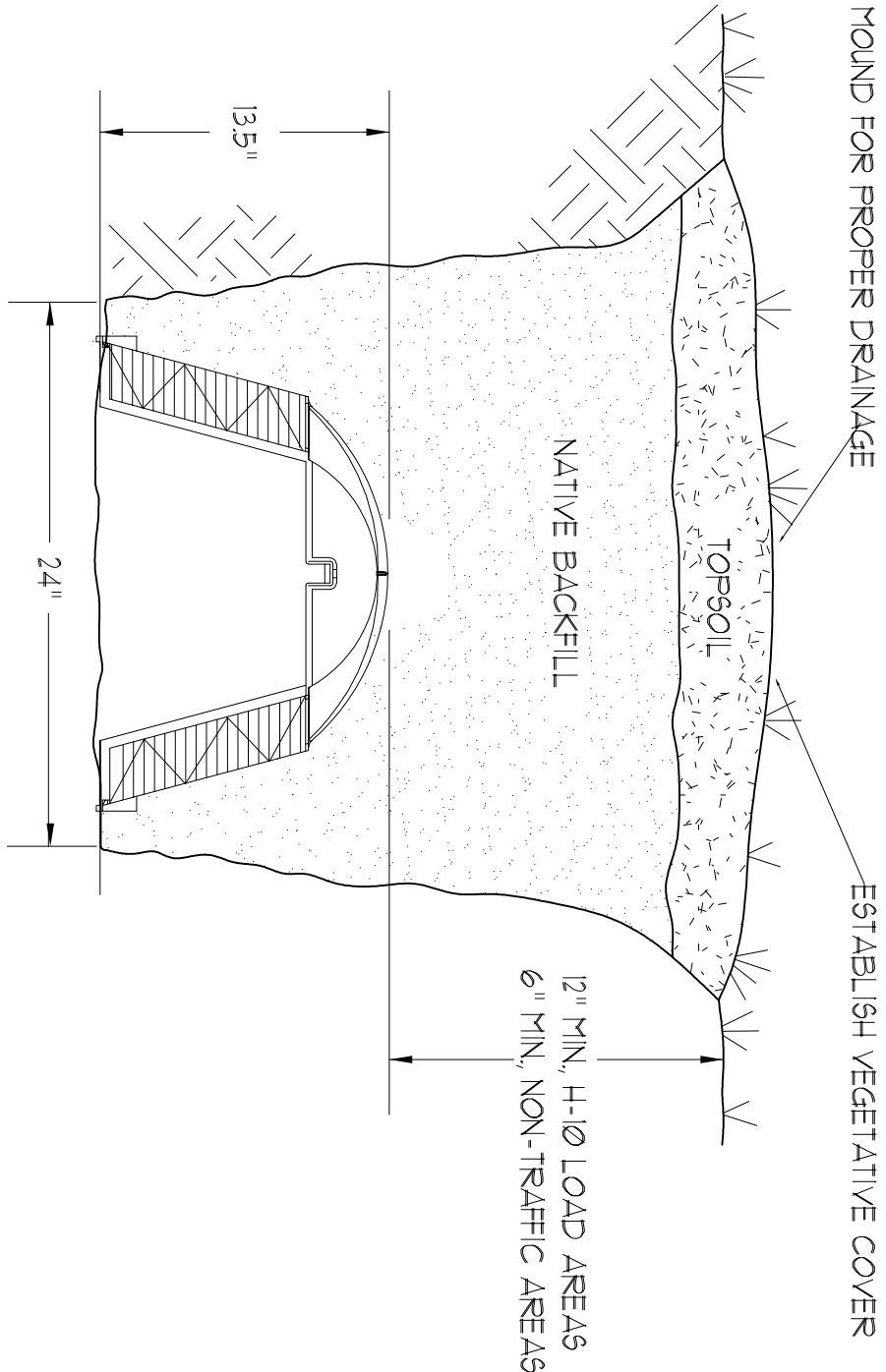
N3
NICHOLAS
GEISLER
ARCHITECT
1788 NE Brown Rd.
Lake City, FL 32085
386-363-4335

DATE: 22/JAN/2019
COMP:

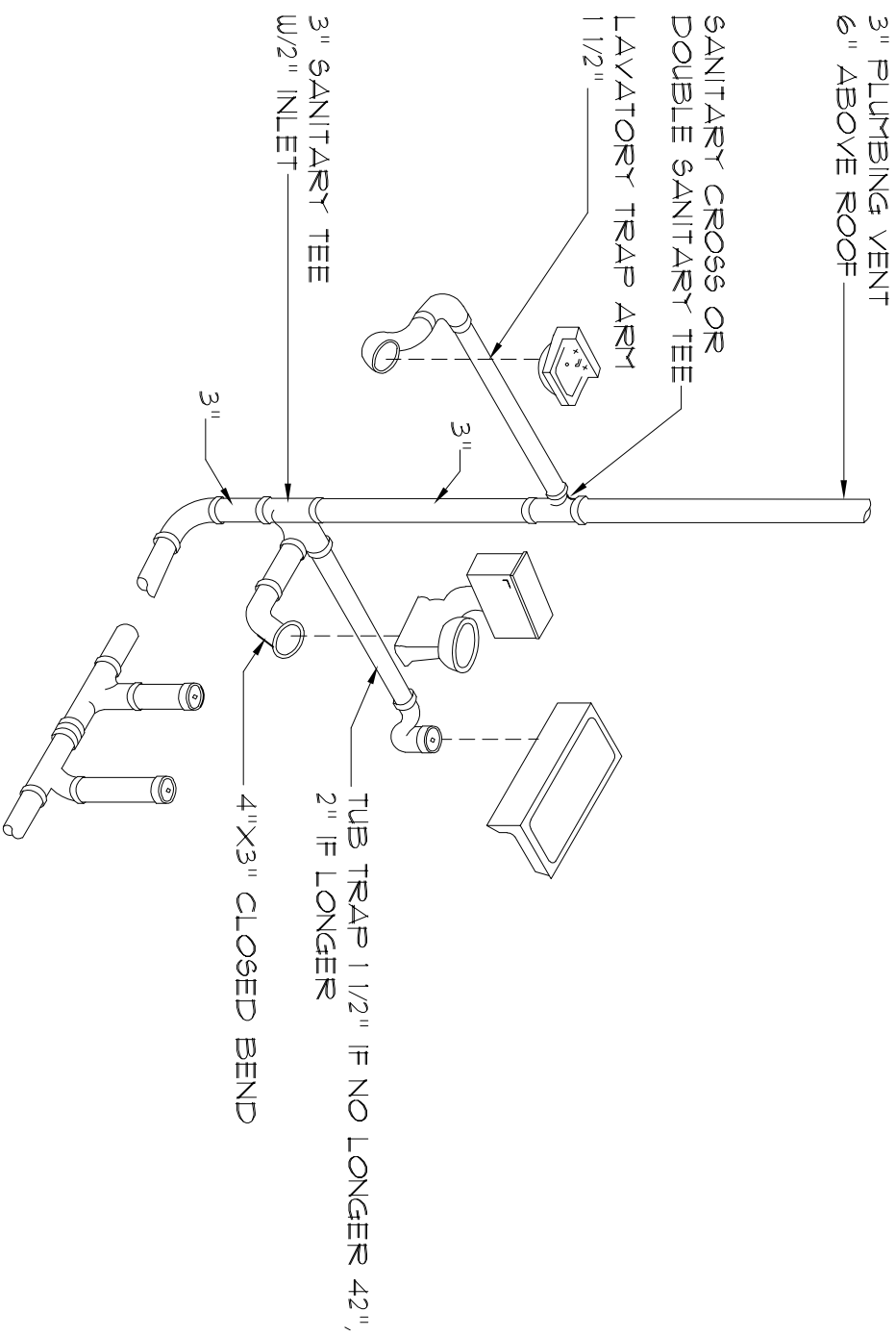
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A.12
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INFILTRATOR EQUALIZER 36 BED
NOT TO SCALE

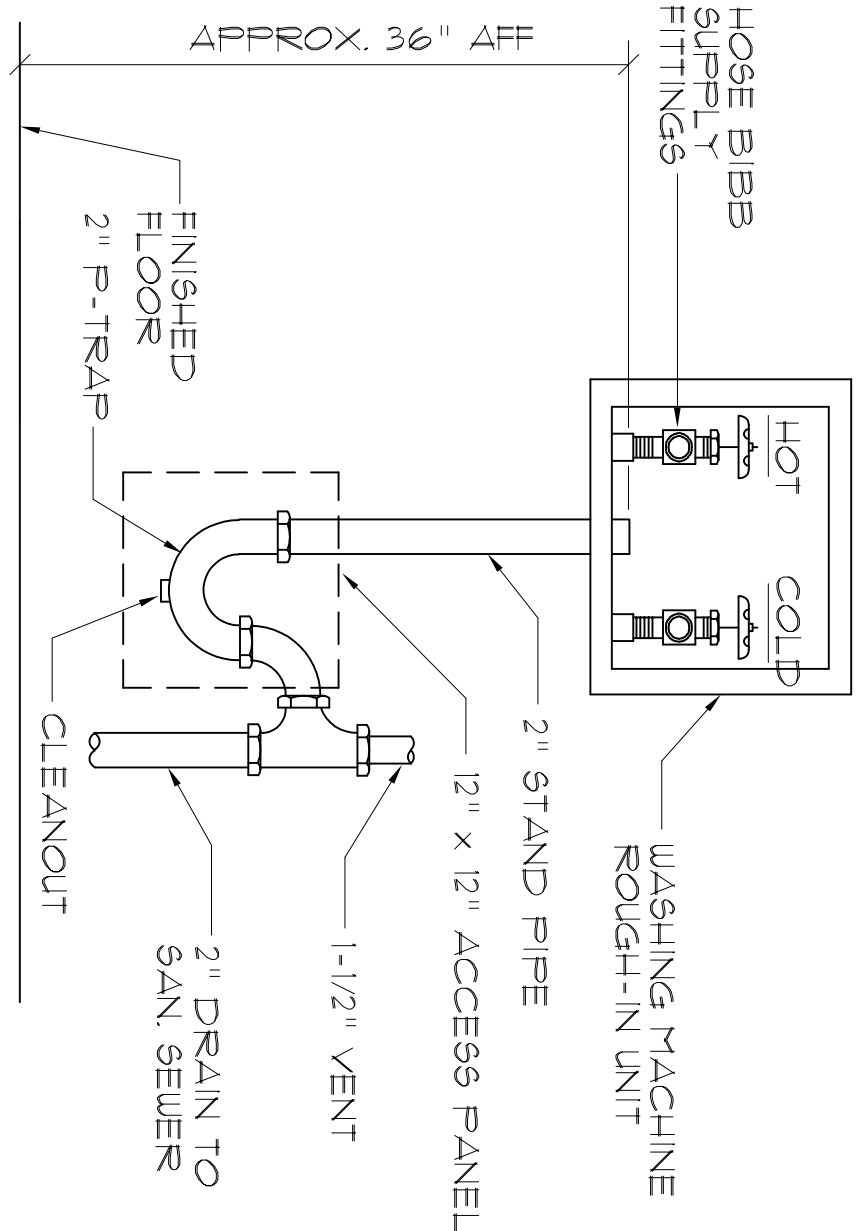


EQUALIZER 36 TRENCH DETAIL
NOT TO SCALE

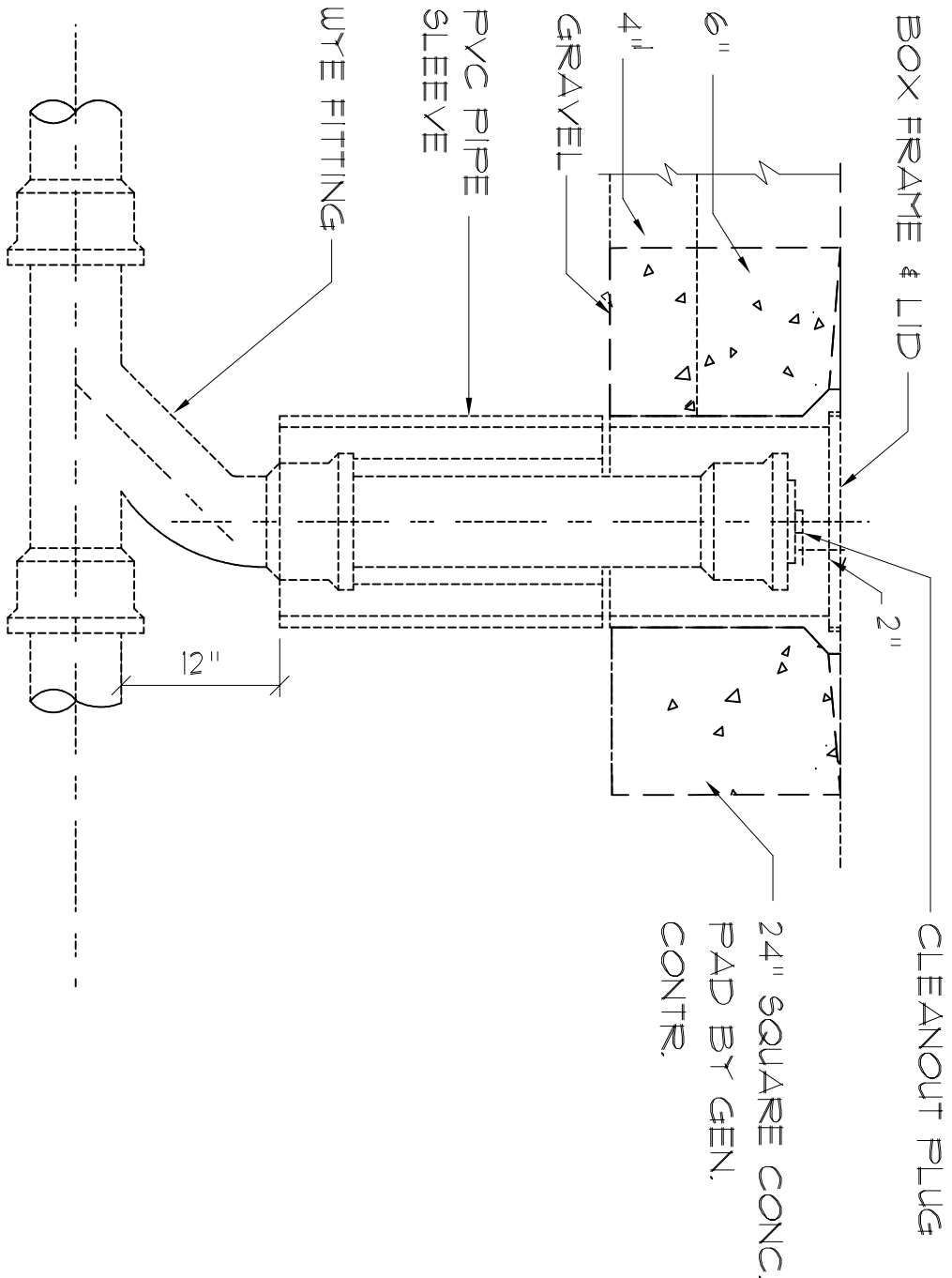


Typ. One Bath Plumbing
NTS. - THIS PLUMBING DIAGRAM IS GENERAL IN NATURE. REFER TO THE PLUMBING RISER DIAGRAM FOR INFORMATION.

NOTE!
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING 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.



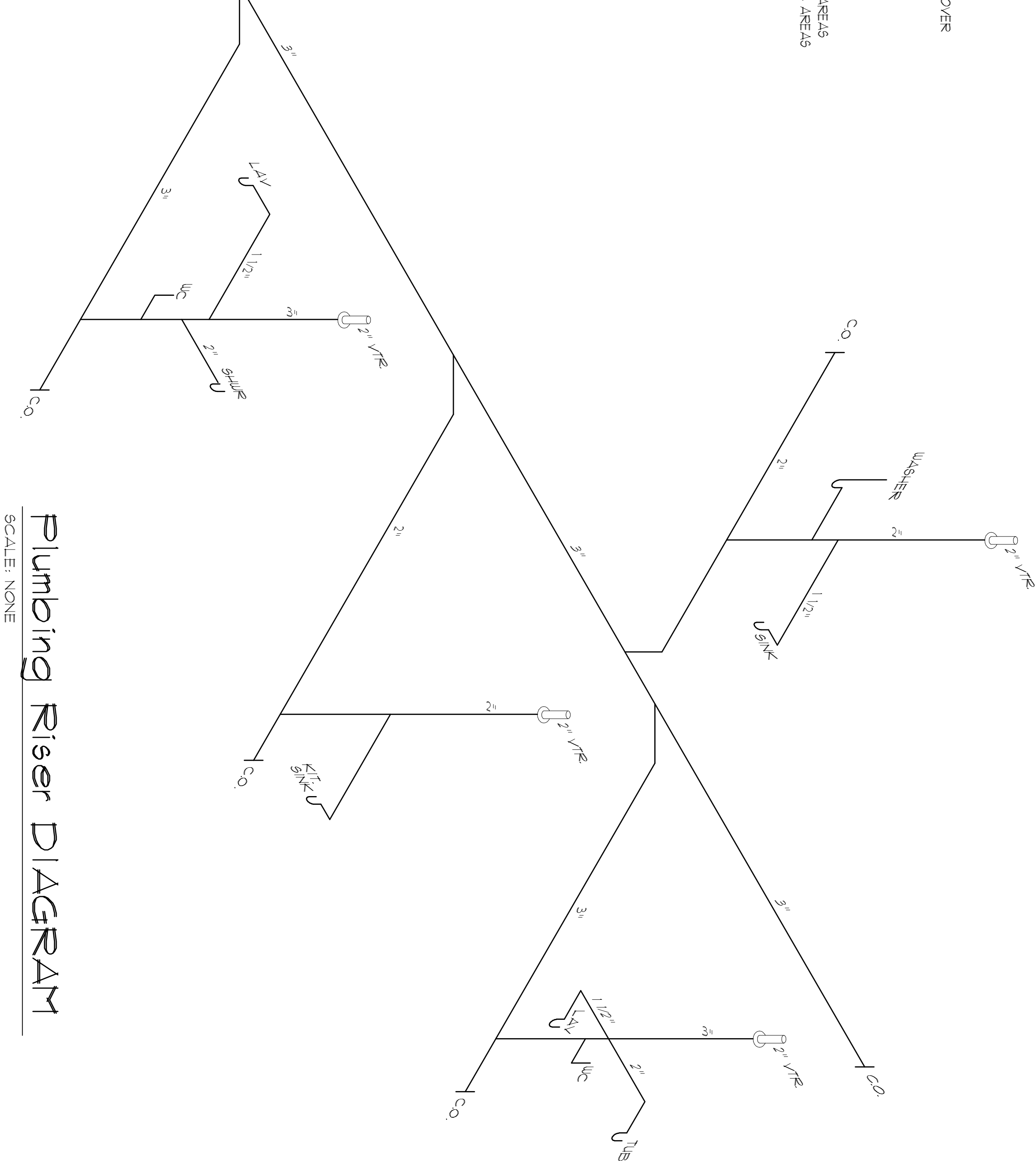
Washing Machine Hook-up
NTS.



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.



Plumbing Riser Diagram
SCALE: NONE

- 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 OWNER'S OPTION SUPPLY PIPING MAY BE CPVC, SCHEDULE 40 OR SCHEDULE 80.
- DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
- SOL. WASTE VENT & SANITARY PIPING SHALL BE CAST IRON OR SUBSTITUTION APPROVED EQUIVALENT. SCHEDULE 40 STEEL BENDS & ELBS ARE NOT ALLOWED. SCHEDULE 40 ELBS & JOINTS OR AT THE OWNER'S OPTION P.V.C., SCHEDULE 40. SEE NOTE 12.
- AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN WASTE OR VENT PIPE AND FITTINGS OR P.V.C. SEE NOTE 12. BELOW INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAK WHERE EXPOSED TO FREEZING CONDITIONS.
- P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOL. WASTE VENT, SANITARY OR CONDENSATE DRAIN. OPERATE UNDER A PERMITTED WORKMANSHIP. LOCAL AGENCIES MAY REQUIRE A RATED 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, COLOES AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

AR0007005

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

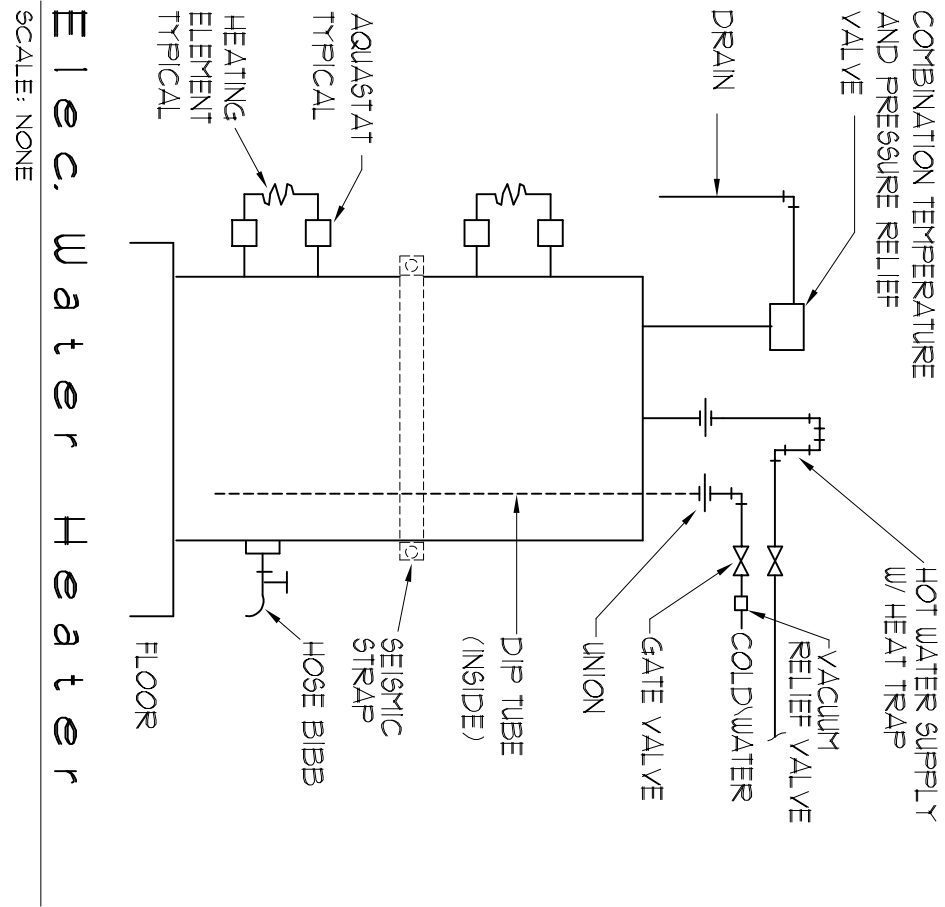
DATE: 22JAN09
COMP: A13
SHEET: 13 OF 14

PROJECT: 22JAN09
SHEET: 13 OF 14

PROJECT: 22JAN09
SHEET: 13 OF 14

PROJECT: 22JAN09
SHEET: 13 OF 14

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



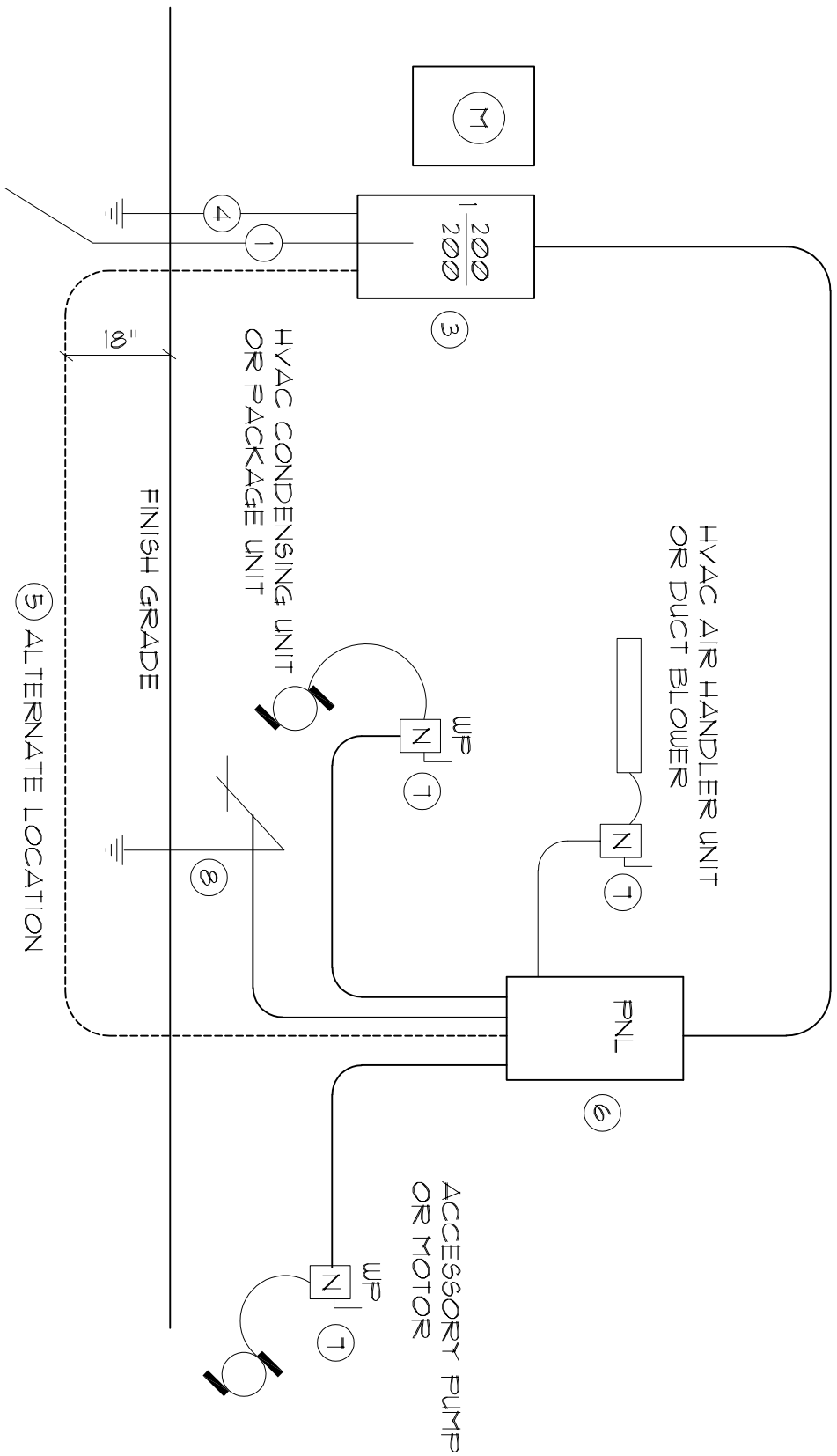
Elec. Water Heater
SCALE: NONE

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
- \$ 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



Panel Schedule

PANEL 1, 200A - MLO - 120/240V - 1" - 4 WIRE

CIR. NO.	LOCATION	TRIP	POLES	WIRE SIZE	LOAD
1-9	LIGHTING/RECEPT.	15A/1P	1N/1P	14N/1	136/250
10-12	9N1 KITCHEN APPLIANCES	20A/1P	1N/1P	14N/1	4500/0
13-14	CEILING FANS	15A/1P	1N/1P	14N/1	1800/0
15-17	FILL REGIGATION PUMP	20A/1P	1N/1P	14N/1	1200/0
18	WATER PUMP	20A/1P	1N/1P	14N/1	1500/0
19-21	WASHER	20A/1P	1N/1P	14N/1	1500/0
20-22	ELEM 50 GAL. RANGE	30A/2P	1N/1P	14N/1	4500/0
23-24	WATER WEL	30A/2P	1N/1P	14N/1	1200/0
25-26	DRYER	30A/2P	1N/1P	14N/1	5000/0
27-28	HVAC CU	50A/2P	1N/1P	14N/1	6-4000/0
29-30	HVAC AHU	20A/2P	1N/1P	14N/1	800/0
31-32	FREEZER	15A/1P	1N/1P	14N/1	1200/0
33-34	FREEZER PUMP	20A/1P	1N/1P	14N/1	3200/0

TOTAL CONNECTED LOAD: 56423W

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 Comp.

General Lighting/Receptacles @ 3W/sf

2621 sf x 3w = 7863W

Washer Circuit 1500W

Dishwasher Circuit 1500W

5m. Appliance Circuits (3 @ 1500W) 4500W

Sub-Total 11591W

18% KCU @ 100% 2086W

Ball of KCU @ 35% 4206W

Fixed Appliances: 1200W

Refrigerator 1200W

Cig. Fans (3 @ 200W) 600W

Irrigation Pump (future) 1200W

Washer (future) 1200W

Washer Well Pump 4500W

ELEM 2400W

Squares (6 @ 400W) 2400W

Sub-Total 13500W

Load @ 75% D.F. 10125W

100% Demand Factor Loads: 5000W

Dryer 5000W

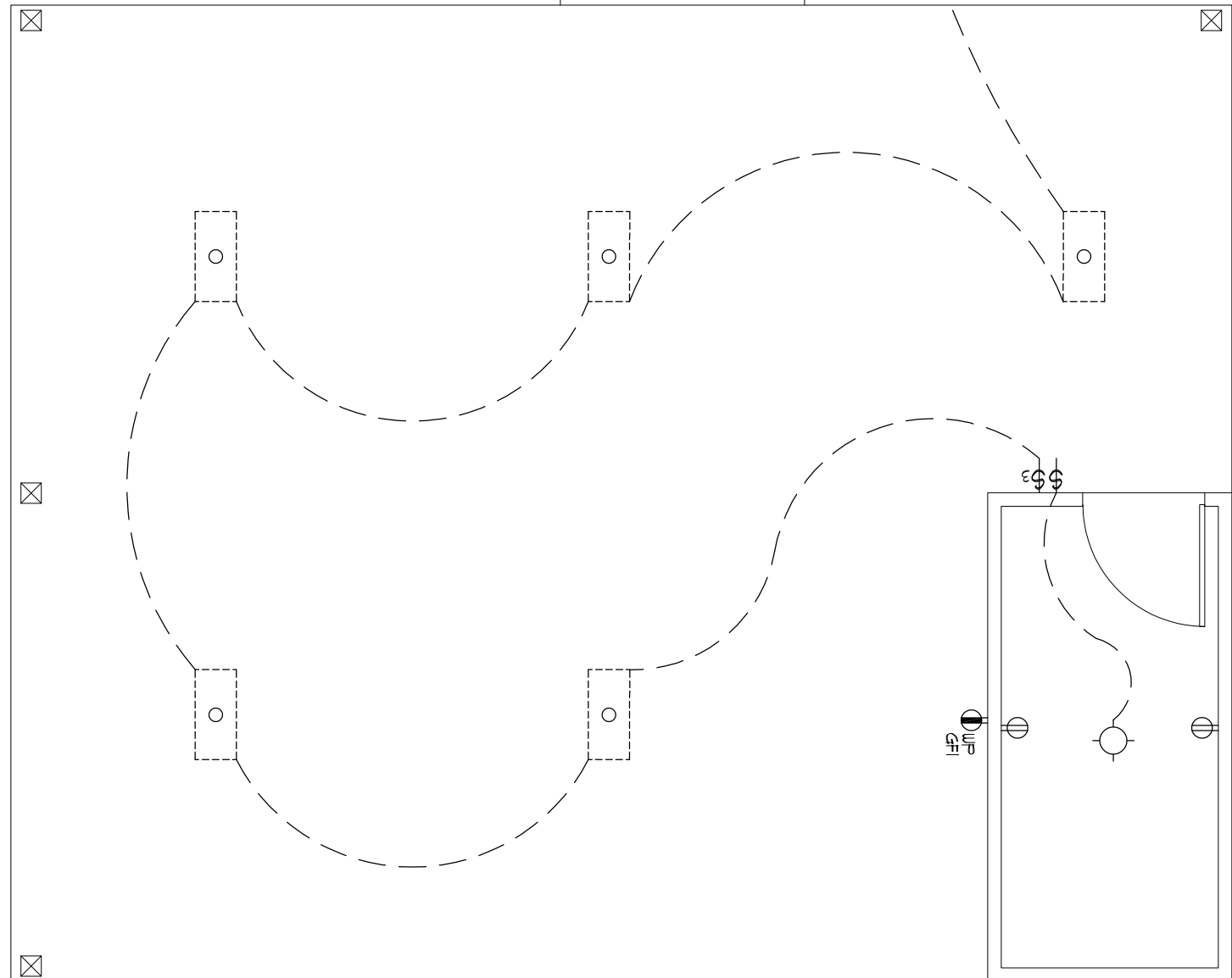
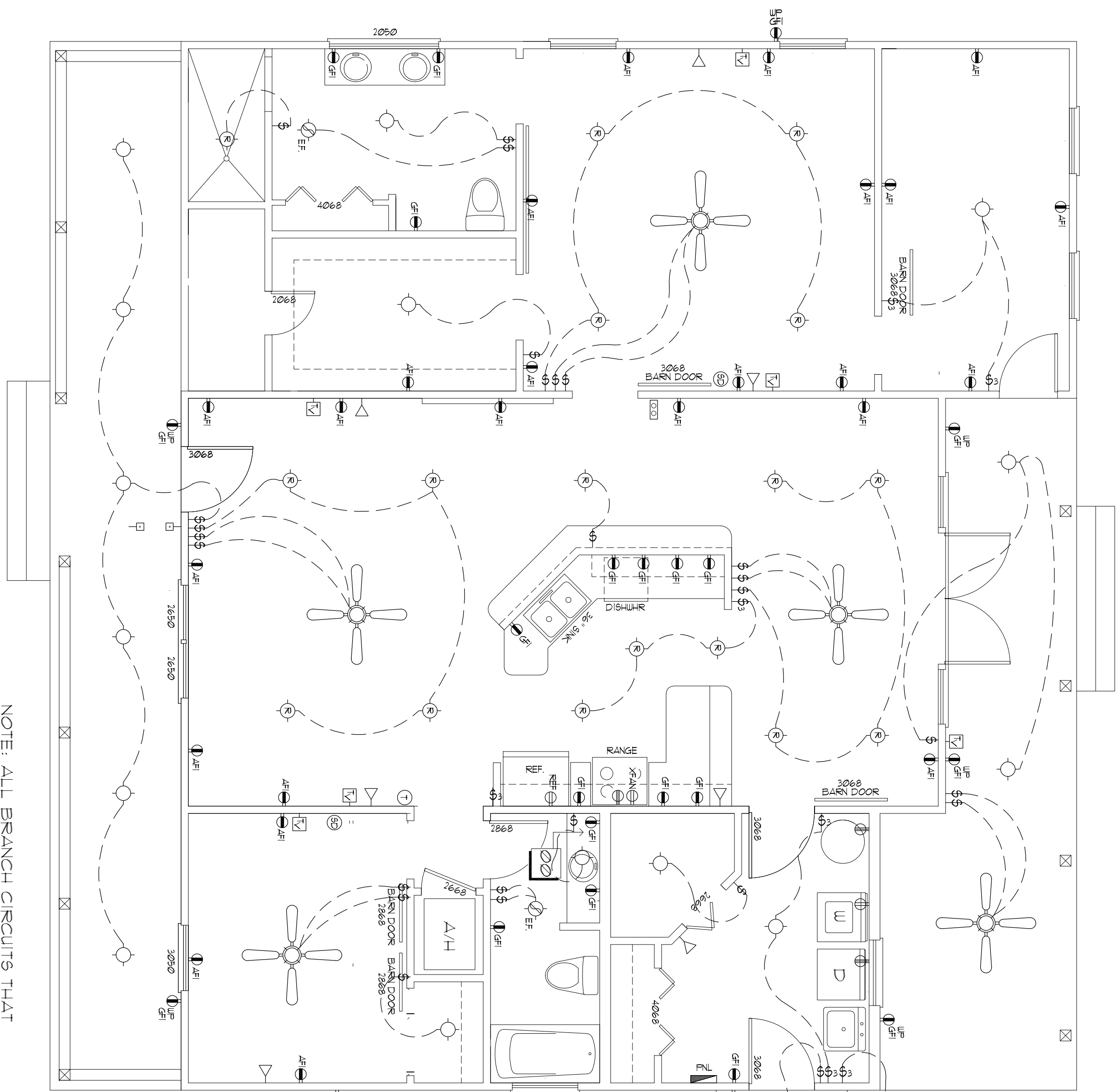
Range 6000W

HVAC System Air Handler 8000W

Total Demand Load: 37166W

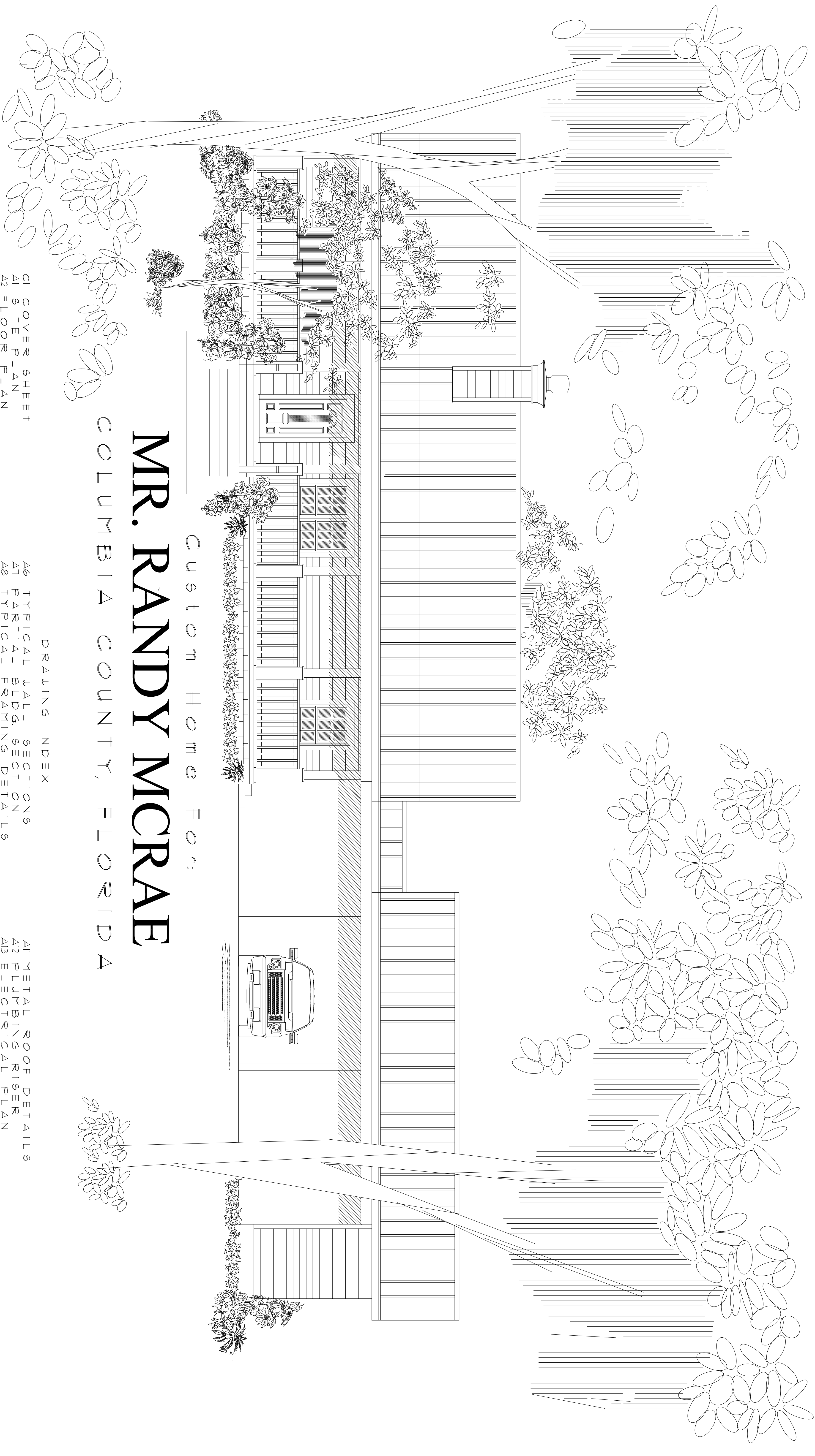
FEEDER SIZE: 37166W / 240V = 15700 amperes

USE: 3 W/0 THW w/ 1" CU GND / 2 1/2" C.



Electrical Riser : 200A

SCALE: NONE



Custom Home For:
MR. RANDY MCRAE
COLUMBIA COUNTY, FLORIDA

DRAWING INDEX

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