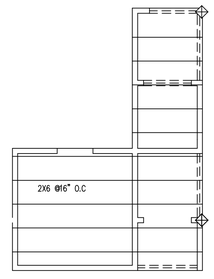
BEAM SIZE	ACTUAL SIZE	GRAND
6 x 12	5.5 x 11.5	WRC
6 x 6	5.5 x 5.5	WRC
3 x 6 DECK	2.5 x 5.5	WRC

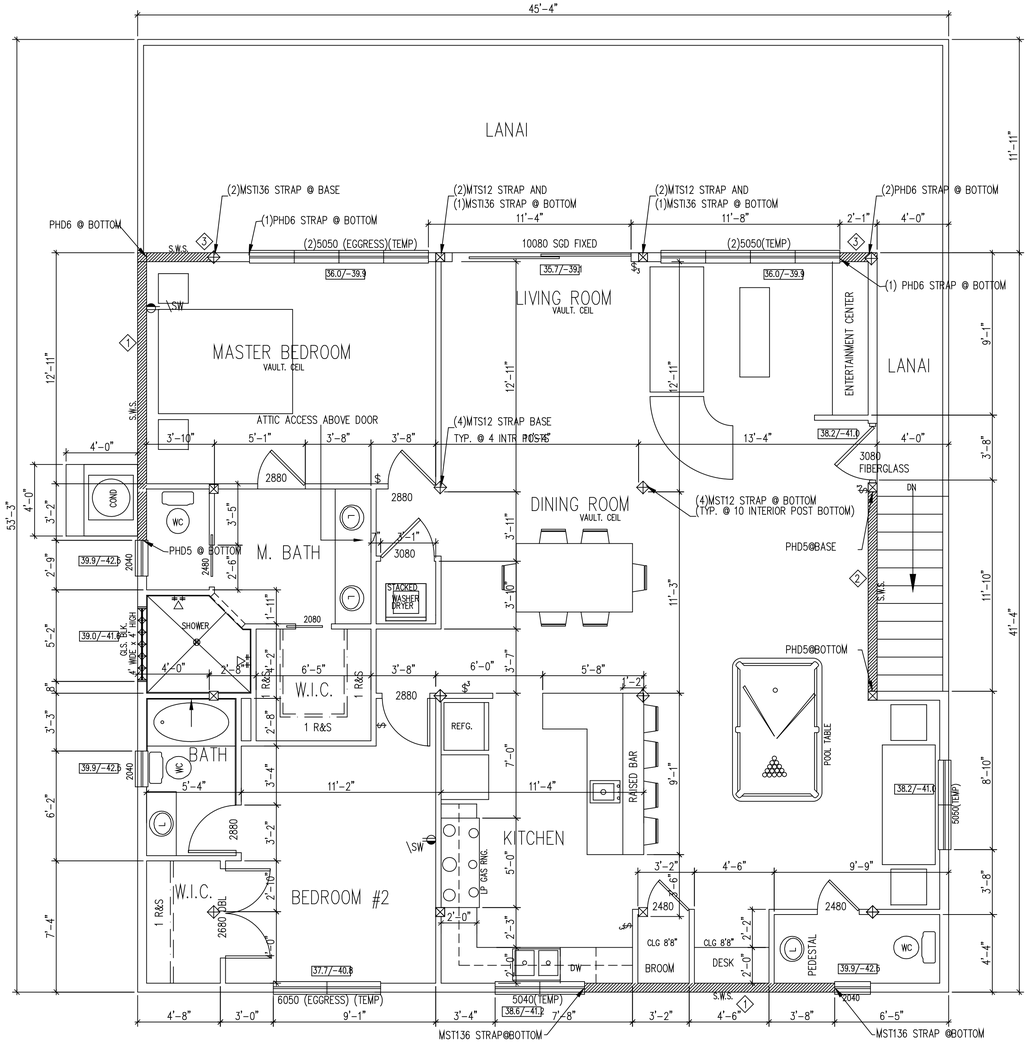
WRC - WESTERN RED CEDAR

ALLOW SHEAR	UPUFT @ ENDS	SHAER WALL SCHEDULE		SO
365#/'	2000# PHD2 OR MST1 36	1	\" STRUCT II OSB / PLYWD NAILED w/8d NAILS @ 6" O.C. @ EDGES AND 12" INTERM	
530#/'	2700# PHD5 OR MST136	2	\" STRUCT II OSB / PLYWD NAILED w/8d NAILS @ 4" O.C. @ EDGES AND 12" INTERM	
685#/'	5400# PHD6	3	\" STRUCT III OSB / PLYWD NAILED w/8d NAILS @ 3" O.C. @ EDGES AND 12" INTERM	



USE (2)- 2X6 HEADERS OVER OPENINGS WITH BEARING STUDS

ATTIC FRAMING FOR A/H



FLOOR PLAN

SCALE = |"=1'-0"

SPECIFICATIONS:
1. WINDOWS & SLIDERS: PGT, INSTALLED PER MANUF. SPECIFICATIONS.
2. DOORS: THERMA-TRU , INSTALLED PER MANUF. SPECIFICATIONS.
3. SYMBOL — DENOTES
   - S.W.S. — SHEARWALL SEGMENT
   - 2" X 4" FRAME WALL

GENERAL NOTES

1) THESE DETAILS WERE DEVELOPED TO MEET THE MINIMUM CODE REQUIREMENTS FOR HURRICANE RESISTANCE. RESIDENTIAL CONSTRUCTION FBC 2001 . ALL CALCULATIONS ARE BASED ON 130 MPH WIND SPEEDS.
2) THESE DETAILS DEPICT THE CRITICAL SHEAR WALLS AND WALL OPENINGS IN THE STRUCTURE BUT DO NOT ADDRESS COMMON ATTACHMENTS AND CUSTOMARY, PRACTICES. THE LICENSED CONTRACTOR MAINTAINS RESPONSIBILITY FOR ALL CONSTRUCTION MEANS, METHODS, AND TECHNIQUES REQUIRED FOR THE STANDARD CONNECTIONS OF ALL ROOF, WALL, AND FLOOR SYSTEMS. HE WILL ALSO INSURE THEIR PROPER ATTACHMENT TO THE FOUNDATION AND MEET THE REQUIRED DEAD, LIVE AND WIND LOAD CRITERIA STATED BY THE COMPONENT MANUFACTURER.
3) ALL CONNECTORS CALLED OUT IN EACH DETAIL AREA IS MANUFACTURED BY SIMPSON STRONG TIE OR USP CONNECTORS AND SHALL BE INSTALLED PER MANF SPECS. SO AS TO MEET OR EXCEEDED NOTED REACTIONS AND UPLIFTS FOR 110 MPH WINDS.
4) CONTRACTOR IS FREE TO SUBSTITUTE ALL CONNECTORS WITH AN EQUIVALENT MANUFACTURERS PRODUCT AS LONG AS THE CAPACITIES MEET OR EXCEED THE SIMPSON STRONG TIE (OR USP) SPECIFICATIONS.
5) REGARDLESS OF NAME BRAND, ALL PRODUCTS MUST BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURERS' SPECIFICATIONS.
6) ALL FRAME LUMBER USED IN LOAD BEARING CONDITIONS TO BE WESTERN RED CEDAR #2.
7) ALL GAS WILL COMPLY WITH NFPA 54 & 58
8) ALL MATERIALS BELOW FLOOD ELEVATION OF 11 FEET SHOULD BE FLOOD RESISTANT SCO 03-085
9) ELECTRICAL, MECHANICAL & PLUMBING EQUP SHOULD NOT BE LOCATED BELOW FLOOD ELEVATION OF 11'-0".

BASIC WIND SPEED = 130 M.P.H.
W.I.F. = 1.0 BC = II
WIND EXPOSURE = B
GC_{pi}= +0.55, -0.55 (PARTIALLY ENCLOSED)
COMPONENTS & CLADDING DESIGN PRESSURES(PSF)
- ***ZONE 1: +27.0 / -37.3***
- ***ZONE 2: +27.0 / -68.2***
- ***ZONE 3: +27.0 / -68.2***
- ***ZONE 4: +39.9 / -42.5***
- ***ZONE 5: +39.9 / -50.2***

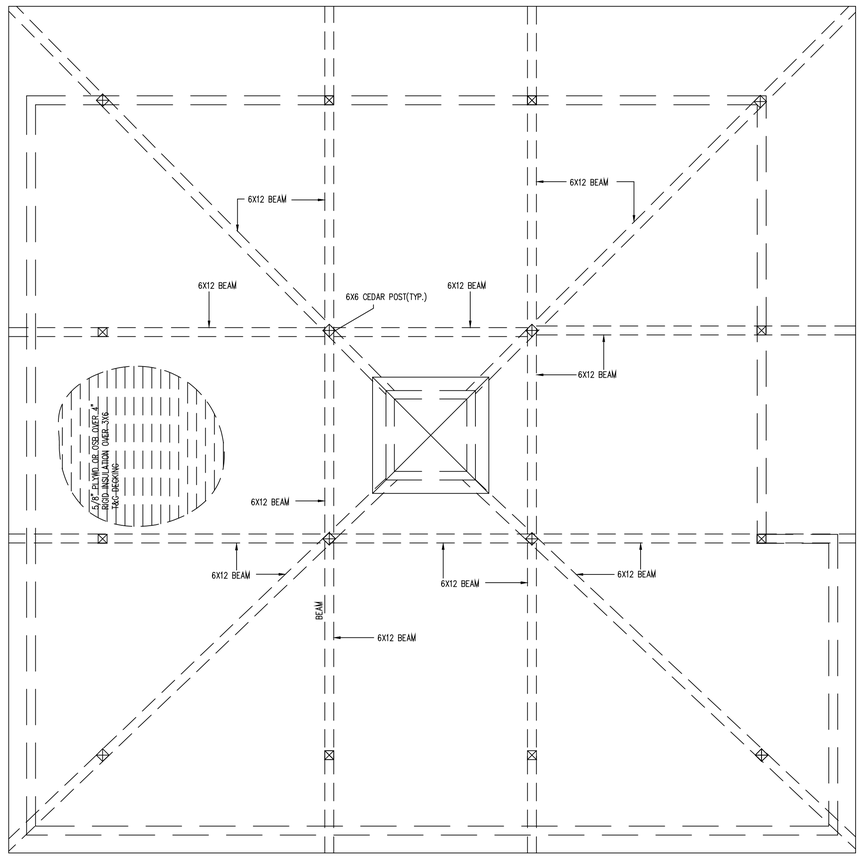
SQ. FT. CALCULATIONS

LIVING	1776 '
LANAI	595 '
ENTRY	0 '
OTHER	0 '
GARAGE	0 '
TOTAL AREA UNDER ROOF	2371 '
PATIO	0 '
TOTAL AREA	2371 '

CUSTOMER SIGNATURE

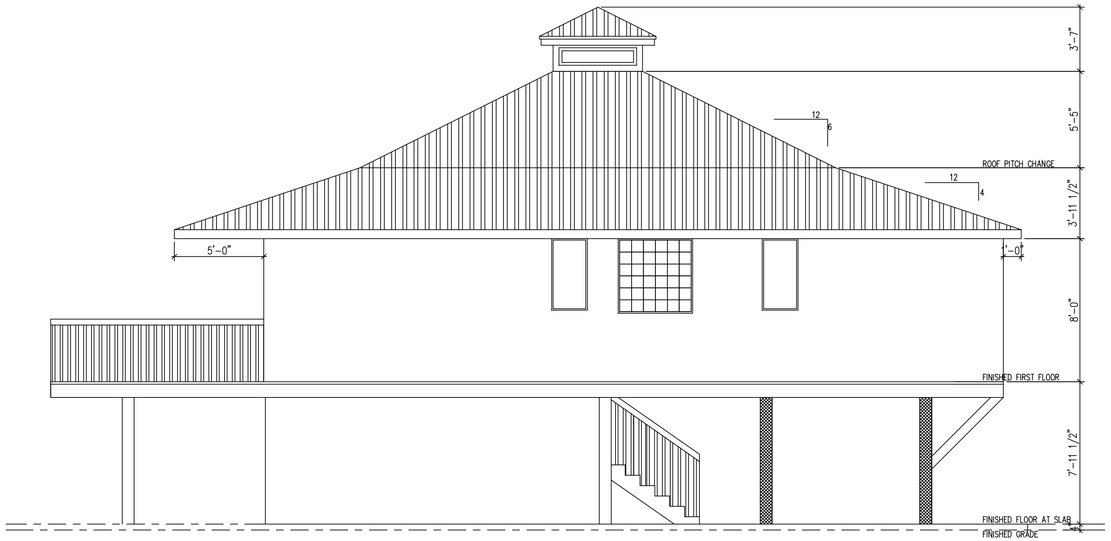
I APPROVE THESE PLANS AND DO NOT INTEND ON MAKING ANY ADDITIONAL REVISIONS. ANY CHANGES AFTER MY SIGNATURE WILL BE SUBJECT TO ADDITIONAL CHARGES TO ME.

PLAN DRAWINGS
- ☐ PRELIMINARY
- ☐ FINAL WORKING

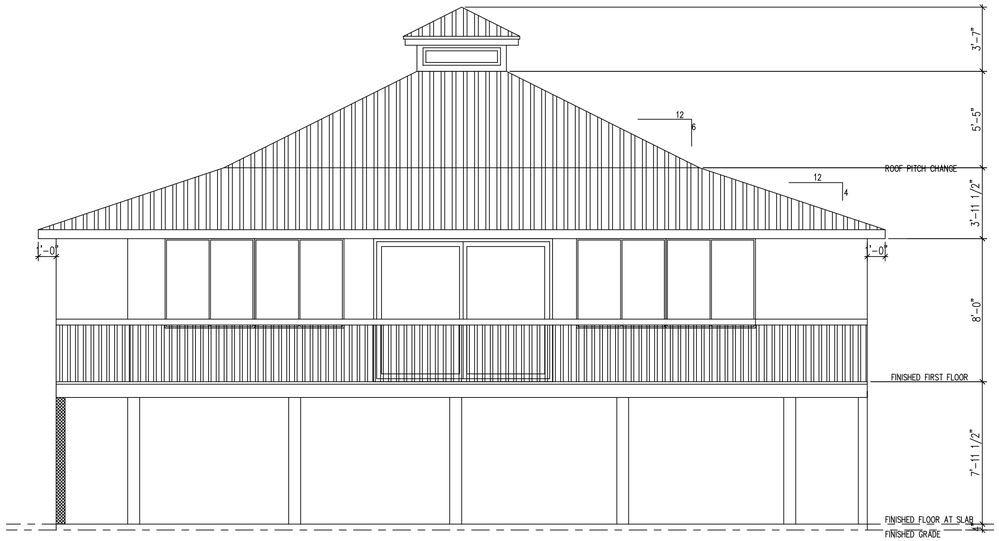


ROOF FRAMING

SCALE = 1"=1'-0"



LEFT ELEVATION
SCALE = 1"=1'-0"



REAR ELEVATION
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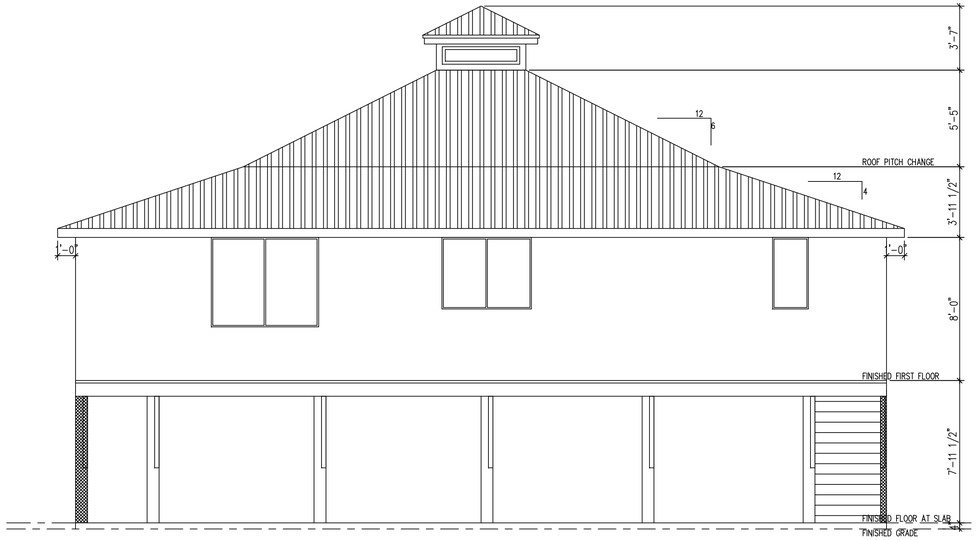

FRONT ELEVATION
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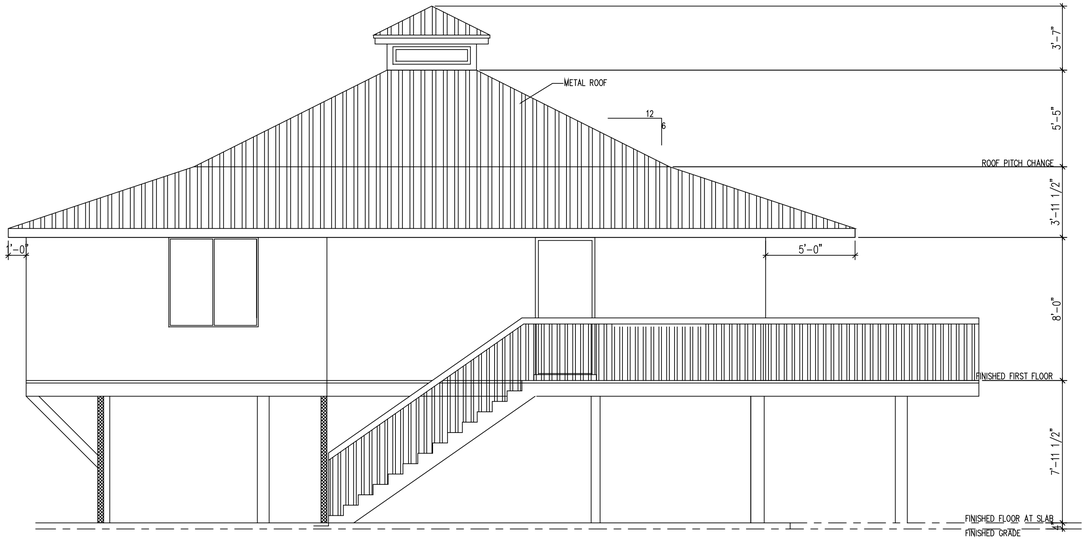


RIGHT ELEVATION
SCALE = 1"=1'-0"

CUSTOMER SIGNATURE

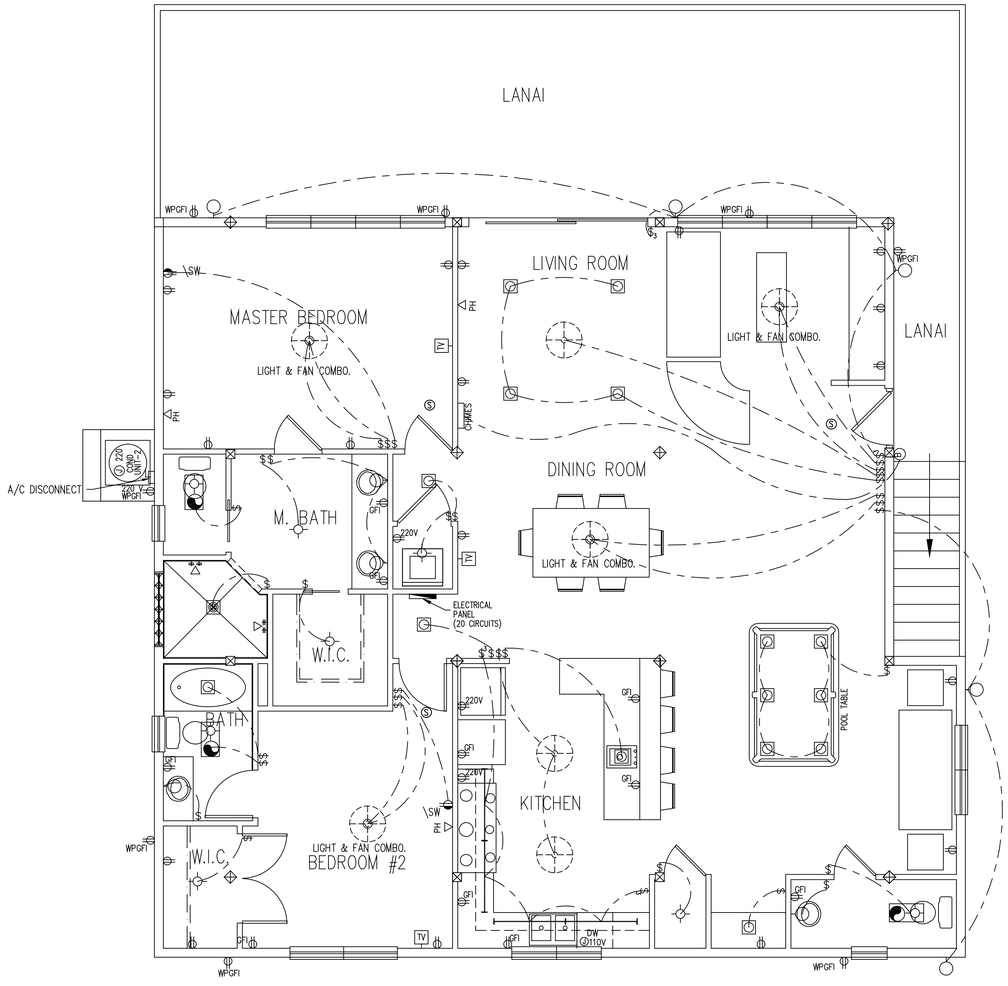
I APPROVE THESE PLANS AND DO NOT INTEND ON MAKING ANY ADDITIONAL REVISIONS. ANY CHANGES AFTER MY SIGNATURE WILL BE SUBJECT TO ADDITIONAL CHARGES TO ME.

PLAN DRAWINGS

- ☐ PRELIMINARY
- ☐ FINAL WORKING

▩ NEW COLUMN

☐ EXISTING COLUMN



ELECTRICAL PLAN

SCALE = 1"=1'-0"

ELECTRICAL PLANS

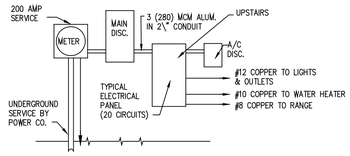
Provide smoke detectors in accordance with Florida Fire Prevention Code Section 24.3.4.

Provide grounding electrode system in accordance with NEC, Section 250-50.

Provide AFCIs (arc-fault circuit interrupters) in all dwelling unit bedrooms per NEC, Section 210-12.

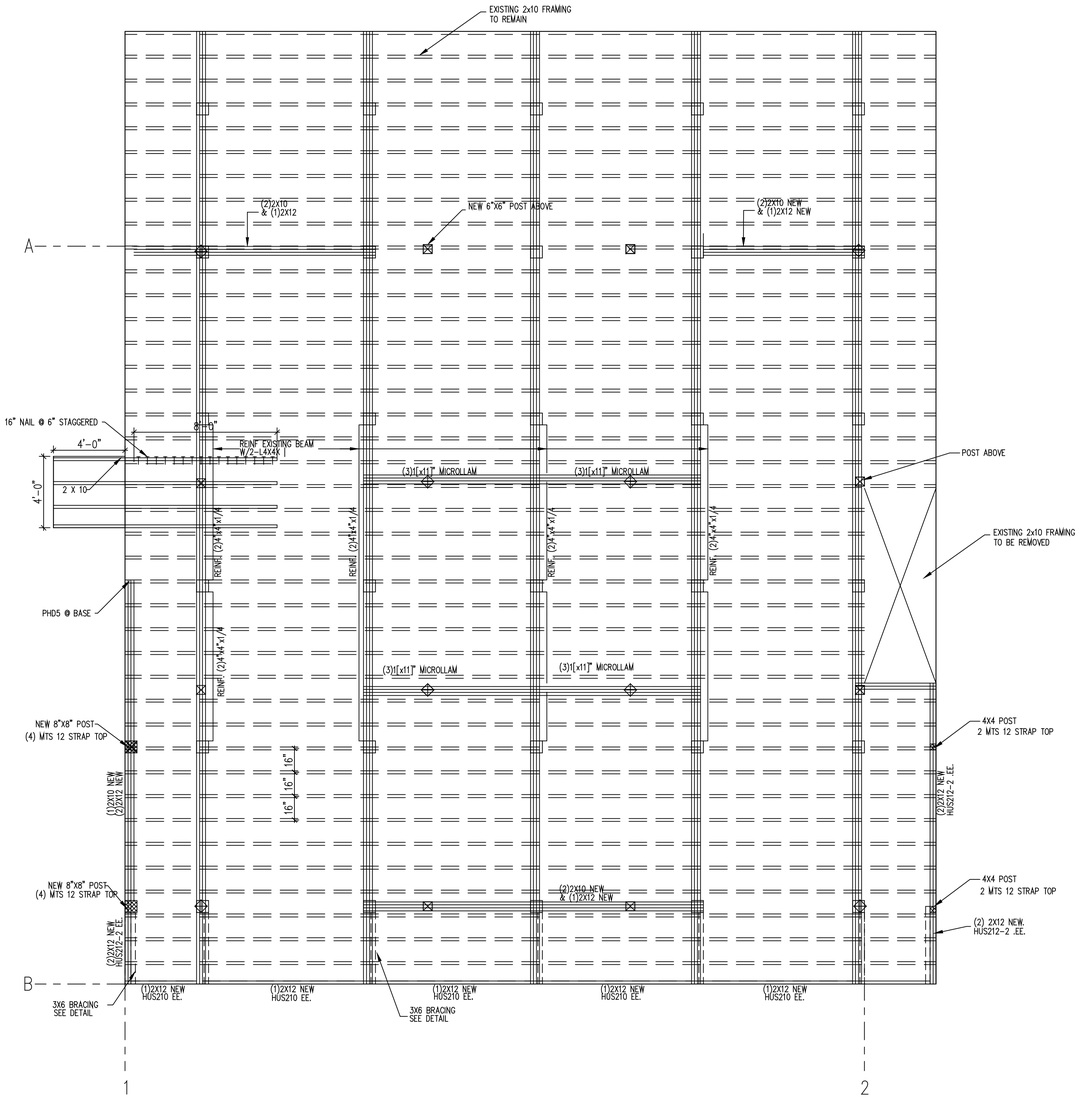
ELECTRICAL LEGEND

- DUPLEX REC.
- 220V 220 VOLT REC.
- WP GFI WATER PROOF REC.
- GFI GROUND FAULT REC.
- SW \ SWITCHED REC.
- $ SWITCH
- $3 3 WAY SWITCH
- INCAND. CEILING FIX.
- INCAND. WALL FIX.
- TRACK LIGHTING
- CEILING FAN PREWIRE
- 220V 220 VOLT JUNCTION BOX
- 110V 110 VOLT JUNCTION BOX
- EXHAUST FAN EXHAUST CAPACITY 50CFM INTERMEDIATE, 20CFM CONT.
- S SMOKE DETECTOR
- PHONE
- TV T.V.
- RECESSED CAN LIGHT
- FLOURESCENT FIX.



ELECTRICAL RISER

NOTE
ELECTRICAL MATERIALS AND INSTALLATIONS SHALL COMPLY W/ APPLICABLE PROVISIONS OF THE NATIONAL ELEC. COD, LOCAL CODES, AND THE LOCAL POWER CO.



NOTE

1. SYMBOL DENOTES

   SHEARWALL SEGMENT

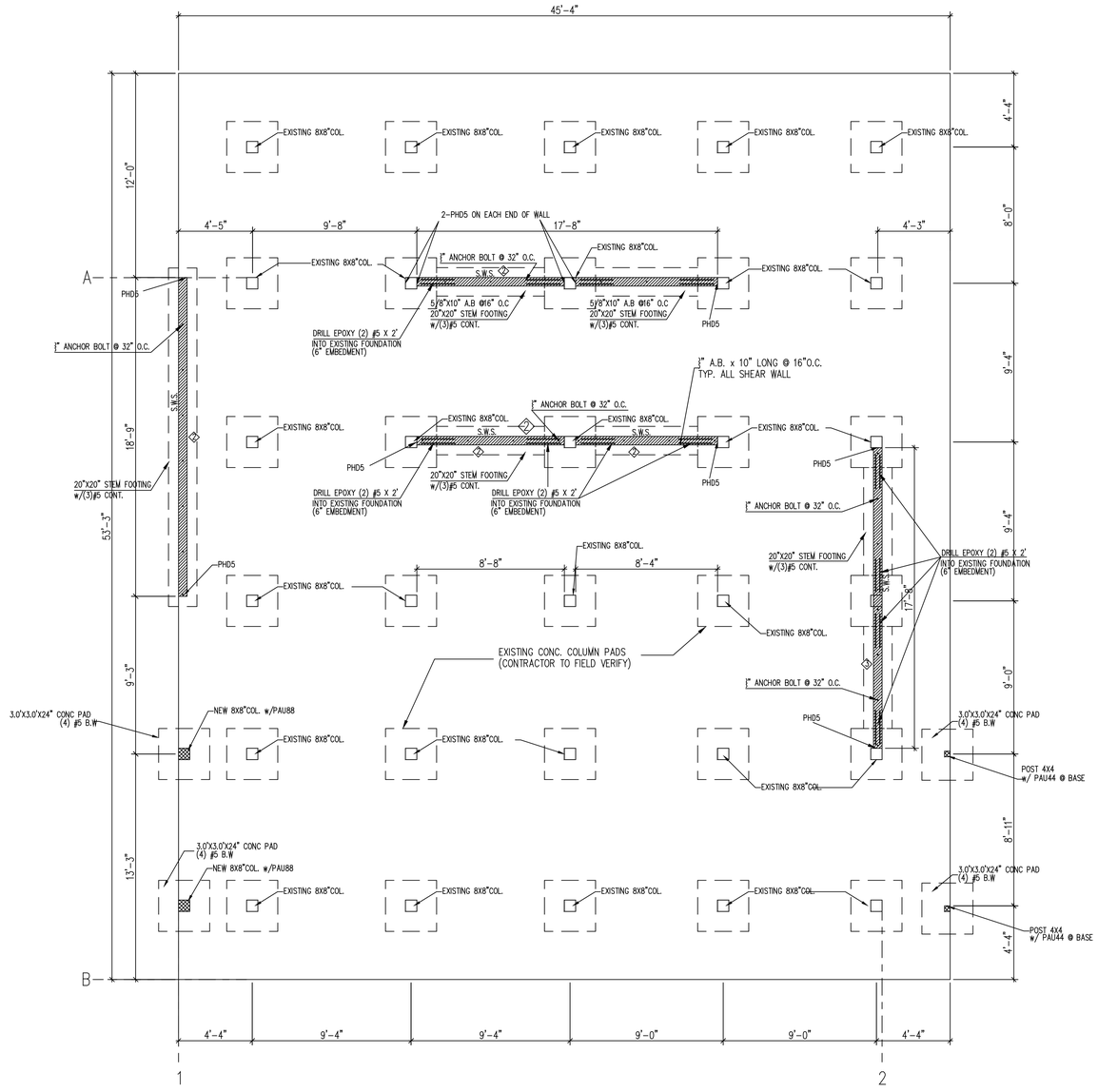
   NEW COL.

   EXISTING COL.

2. NO ELECTRICAL,MECHANICAL,PLUMBING EQUIPMENT SHOULD BE LOCATED IN THE FIRST FLOOR LEVEL

FLOOR FRAMING PLAN

SCALE = 1"=1'-0"

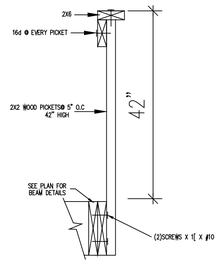


NOTE

1. SYMBOL DENOTES
   - S.W.S. — SHEARWALL SEGMENT
   - NEW COL.
   - EXISTING COL.
2. NO ELECTRICAL,MECHANICAL,PLUMBING EQUIPMENT SHOULD BE LOCATED IN THE FIRST FLOOR LEVEL

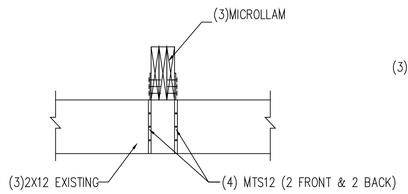
FOUNDATION PLAN

SCALE = 1"=1'-0"



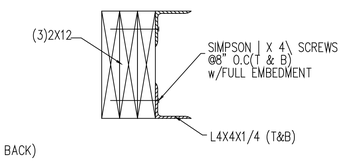
HANDRAIL SECTION

N.T.S.



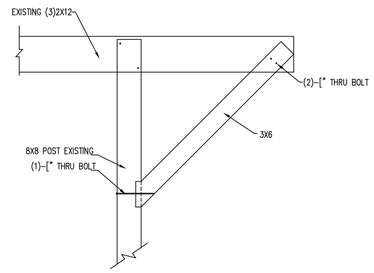
MICROLLAM BEAM OVER EXISTING BEAM

N.T.S.



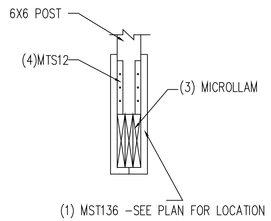
BEAM REINFORCEMENT

N.T.S.



END BRACING DETAIL

N.T.S.



POST OVER BEAM

N.T.S.

STRUCTURAL SPECIFICATIONS

DESIGN CRITERIA:

Florida Building Code, 2001 Edition.

Loads:

1. Wind Velocity - 130 M.P.H.
   Basic Wind Pressures:
   0-15 Feet Above Ground q = 25 psf
   15-20 Feet Above Ground q = 28 psf
   20-40 Feet Above Ground q = 34 psf
   Design Pressures are then found by multiplying basic wind pressures by Shape Factors from SBC.
2. Live Loads:
   Roof - 20 psf
   Floors - 40 psf

GENERAL:

1. All construction shall meet requirements of all Local and State Building Codes.
2. Contractor to verify dimensions of this drawing with Architect's Plans.
3. Engineer to be notified of any structural deviation to this plan during construction.
4. Any soils or concrete testing necessary shall be performed by a certified testing laboratory.

SOIL COMPACTION:

Foundations are designed for an allowable soil bearing pressure of 2,000 PSF, top soil shall be removed to a minimum depth of 6" over the entire building area and five feet beyond the building lines. These areas should be cleared and grubbed of any vegetation. The exposed surface should then be compacted to a depth of (1) feet below the cleared and grubbed surface to a minimum 98% of the standard proctor density as determined in accordance with ASTM D-698.
After densification of natural soils, fill material (if required) to finished grade should be place with a maximum lift of 12" and compacted to a minimum 98% of the standard proctor density. Fill material shall be clean to slightly silty fine sand (or better) free of organic material.

MATERIALS:

CONCRETE: Provide mix designed by a recognized testing laboratory to achieve a strength at 28 days as listed below with a plastic and workable mix.
3000 psi for footings and slabs on grade
4000 psi for all other structural components
Concrete shall comply with all the requirements of ASTM Standard C94-74A for measuring, mixing, transporting, etc.
Admixtures may be used only with the approval of the engineer.
REINFORCING STEEL: To be ASTM A615 Grade 60, free from oil, scale and rust, and placed in accordance with the typical bending diagram and placing details and ACI Standards and specifications.

WOOD:

1. Plywood shall be as follows:
   Roof sheathing \" 4ply C-D exterior grade or better
   Georgia-Pacific Blue Ribbon, OSB structural panel w/ minimum thickness of \" or the same as structural 11C-D exterior APA plywood.
   Exterior wall sheathing 1/2" 3ply C-D exterior grade or better, or Georgia-Pacific Blue Ribbon OSB.

METAL:

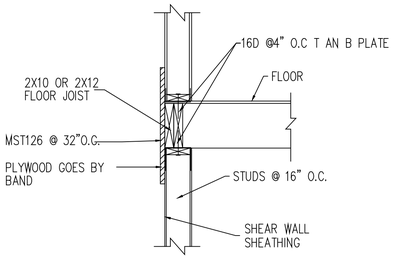
1. All steel plates, bolts, washers, nuts, fasteners, hangers, straps and clips shall be galvanized. Where conditions warrant. (If permanently exposed to the weather).
2. Steel plates and rolled steel members shall conform to ASTM A36. Bolts, nuts and washers shall conform to ASTM A307.
3. Lag bolts, nails, screws, hangers, straps and clips shall be fabricated from appropriate materials to meet conditions shown.

SUBMITTALS:

1. Contractor shall verify all dimensions and conditions in the field as work progresses. All discrepancies and deviations from the plans shall be reported to the Engineer of Record.

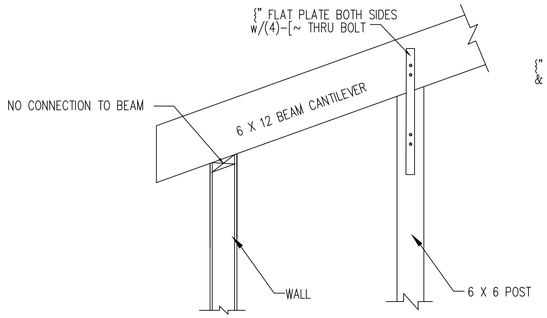
CONSTRUCTION:

1. Unless noted otherwise, all wood construction shall meet or exceed requirements of Chapter 23, FBC. Table 2306.1 shall be used as a minimum for all nailing schedules.
2. Pre-manufactured straps, hangers, and clips shall be installed according to manufacturer's recommendations as required to supply desired performance.
3. Multi-member wood beams shall be nailed together with a minimum of 16d nails @ 12" o.c., top and bottom edge, staggered. Splices shall be made at span third points or center of supports. No more than one member shall be spliced at any one point. Splices should be spaced a minimum of 4 feet apart.
4. "J" Bolts may be replaced w/ 4[\x] Redheads on 2" depth (MAX)
5. All conventional framing will be according to FBC 2001.



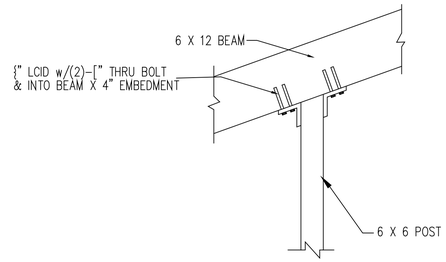
SHEAR WALL AT FLOOR

N.T.S.



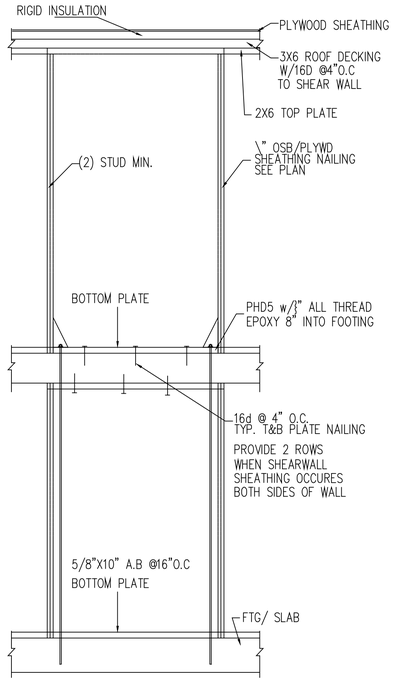
OUTSIDE POST

N.T.S.



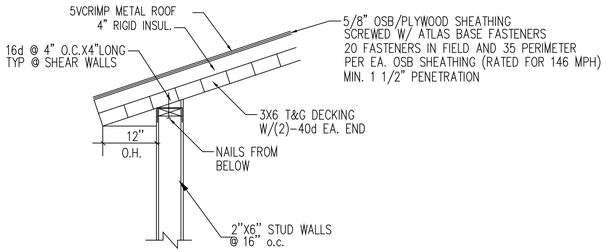
INSIDE POST

N.T.S.



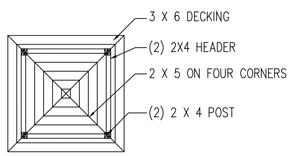
SHEAR WALL ELEVATION

N.T.S.



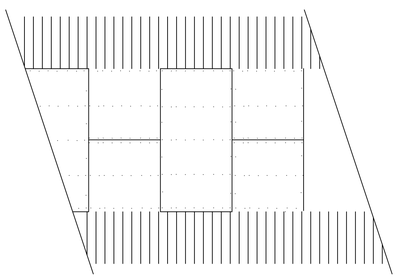
ROOF

N.T.S.



CUPOLA DETAIL

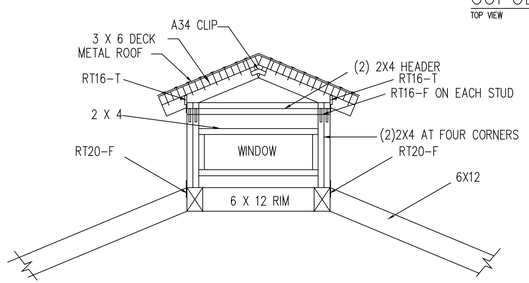
TOP VIEW N.T.S.



ROOF NAILING

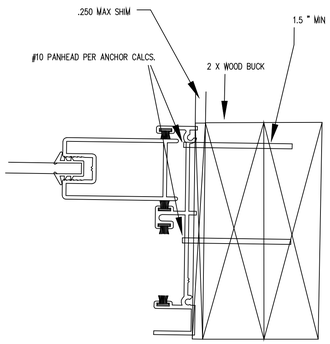
N.T.S.

5/8" OSB/PLYWOOD SHEATHING
SCREWED W/ ATLAS BASE FASTENERS
20 FASTENERS IN FIELD AND 35 PERIMETER
PER EA. OSB SHEATHING (RATED FOR 146 MPH)
MIN. 1 1/2" PENETRATION

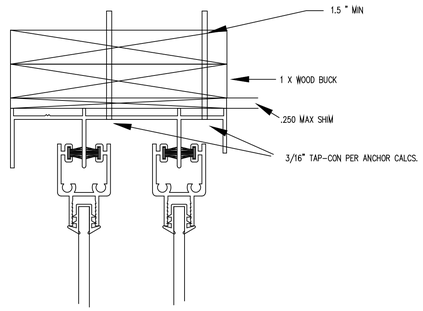


CUPOLA DETAILS

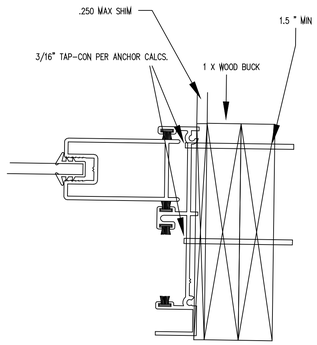
N.T.S.



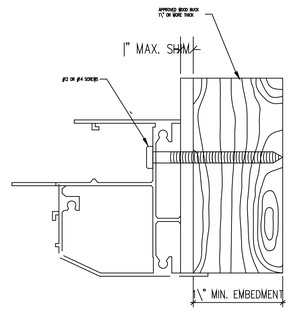
TYP JAMB ANCHORAGE
USING A 2x WOOD BUCK



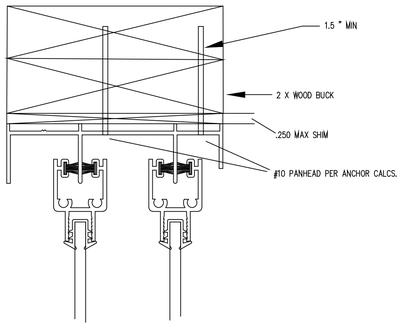
TYP HEAD ANCHORAGE
USING A 1x WOOD BUCK



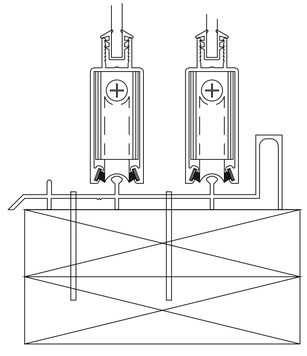
TYP JAMB ANCHORAGE
USING A 1x WOOD BUCK



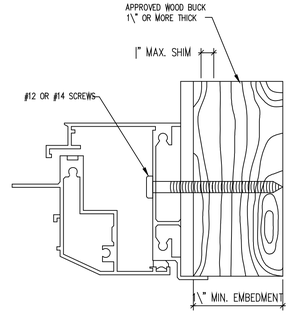
FIXED UNIT FRAME
TO WOOD BUCK
1 1/2" OR MORE THICK



TYP HEAD ANCHORAGE
USING A 2x WOOD BUCK



TYP SILL ANCHORAGE



OPERABLE UNIT FRAME
TO WOOD BUCK
1 1/2" OR MORE THICK

SLIDING GLASS DOOR ANCHORAGE DETAIL

REFER TO NOA INSTRUCTIONS FOR ADDITIONAL DETAILS

NOTE FOR INSTALL OF WINDOW / DOOR BUCKS

1) ANCHORS ARE #10 SCREWS (#2 SCREWS MAY BE USED INSTEAD)
2) ANCHORS ARE LOCATED 5" MAX FROM EACH CORNER AND 6" MAX ON EITHER SIDE OF THE MEETING RAIL
   MAXIMUM ANCHOR SPACING OF 12" AT JAMBS, HEAD AND SILL UNLESS OTHERWISE SPECIFIED BY MFR