

# Custom Residential Design for: Amber Lynn Hancock

Columbia County, Florida

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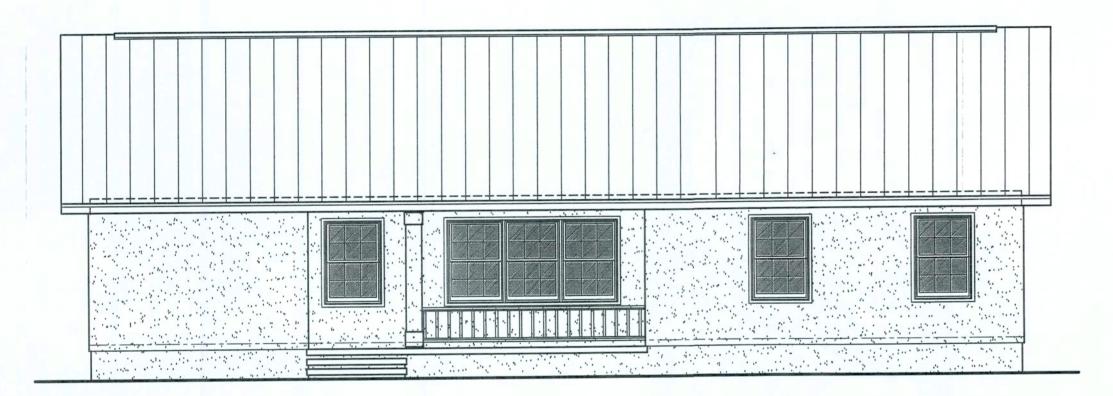


ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 EDITION.				
BASIC WIND SPEED:	110 MPH			
WIND IMPORTANCE FACTOR (1):	=  .00			
BUILDING CATAGORY:	CATAGORY II			
WIND EXPOSURE:	"B"			
INTERNAL PRESSURE COEFFICIENT:	+/- Ø.18			
MWFRS PER TABLE 16092A (FBC 2001) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF			
COMPONENTS & CLADING PER TABLES 16092B & 16092C (FBC 2007) DESIGN WIND PRESSURES:	OP'NGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF			



# Front ELEVATION

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



# Rear ELEVATION

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

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

SERIES ENTERGY 6-8 W/E INSWING OPAQUE RESIDENTIAL INSULATED STEEL DOOR W/ STEEL FRAME AS MFG'D BY "PREMDOR ENTRY SYSTEMS"

NOTE !!

ROOF SHINGLES SHALL BE AS MANUFACTURED BY "TAMKO ROOFING PRODUCTS" OF THE FOLLOWING MODELS:

GLASS-SEAL AR ELITE GLASS-SEAL AR HERITAGE 30 AR HERITAGE 40 AR HERITAGE 50 AR

THESE SHINGLES MEET THE REQUIREMENTS OF ASTM D-3161 TYPE I MODIFIED TO 110 MPH WINDS & FBC TAS 100, USING 4 NAILS/SHINGLE

NOTE !!

WINDOW ASSEMBLIES SHALL MEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCTS:

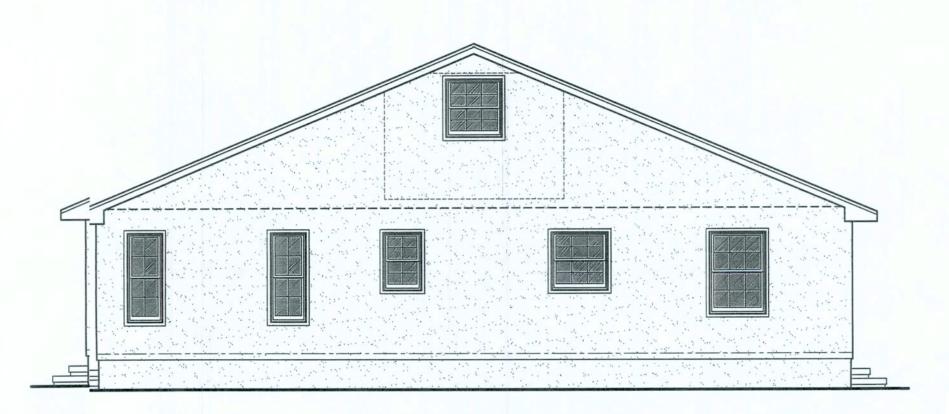
"MI HOME PRODUCTS, INC." SERIES 450/650 ALUMINUM WINDOWS, SINGLE HUNG, 1, 2 & 3 MULLED UNITS, PICTURE WINDOWS & SLIDING GLASS DOORS
PER ASTM E 283, ASTM E 330 & ASTM E 547

## EXTERIOR FINISH MATERIALS:

- 1 CONT. RIDGE VENT TO MATCH ROOFING
- 2 FINISH METAL ROOFING AS SELECTED BY OWNER
- 3 PREFIN. MTL. FLASHING ON PREFIN. ALUM. FASCIA
- 4 PORCH BEAM SEE PLANS FOR SIZE
- 5 STEEL ENTRY DOOR, STYLE AS SELECTED BY THE OWNER - PAINTED FINISH
- 6 EFIS STUCCO SYSTEM W/ COLOR/TEXTURE AS SELECTED BY THE OWNER
- 1 CONCRETE PORCH DECK, W/ WOOD FLOAT FINISH & TOOLED EDGES
- 8 SINGLE HUNG ALUMINUM WINDOWS W/ DBL. GLAZING, AS SELECTED BY OWNER
- 9 YINYL SHUTTERS AS SELECTED BY THE OWNER
- D/T WOOD PORCH POSTS, W/ EFIS STUCCO
  BUILD-OUT & TRIM, COLOR & TEXTURE AS
  SELECTED BY THE OWNER

# Left Side ELEVATION

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



# Right Side ELEVATION

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

Wi	NDOW SCHEDULE			
MARK	DESCRIPTION	INSTALLATION	MODEL	NOTES
3Ø3Ø	SINGLE HUNG ALUM. 1. SASH W/ INSUL. GLASS	I" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 650	-
2030	SINGLE HUNG ALUM. 1. SASH W/ INSUL. GLASS	I" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 650	-
3050	SINGLE HUNG ALUM. 1. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 650	-
2-3050	SINGLE HUNG ALUM. 1. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	SERIES 650	-
3 3050	SINGLE HUNG ALUM. 1, SASH W/ INSUL. GLASS	1" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	SERIES 650	-

ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED BY "MI HOME PRODUCTS, INC."

- OTHER MANUFACTURERS/PRODUCICTS SHALL BE CONSIDERED AS EQUAL IF THEIR WIND DESIGN PERFORMANCE MEETS OR EXCEEDS THESE UNITS;

NOTE, VERIFY ROUGH OPENING WININDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

NOTE !!!

EXTERIOR DOORS SHALL MMEET OR EXCEED THE WIND RESISTANCE OF THE FOLLOWING PRODUCT:

SERIES ENTERGY 6-8 W/EE INSWING OPAQUE RESIDENTIAL INSULATED STEEL DOOR ! W/ STEEL FRAME AS MFG'D BY "PREMDOR ENTRY SYSTEEMS"

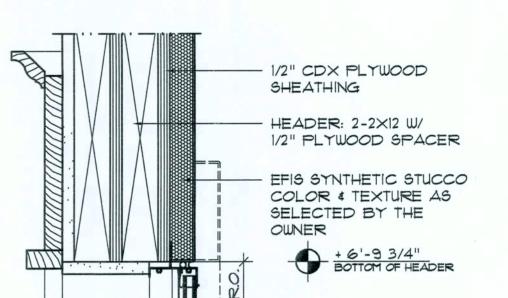
NOTE!!!
WINDOW ASSEMBLIES SHALL MEET OR EXCEED THE WIND
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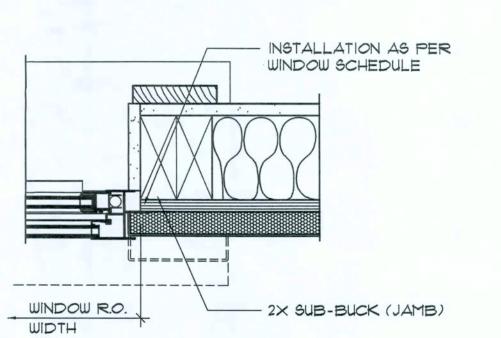


Int. Wall Trim DETAIL

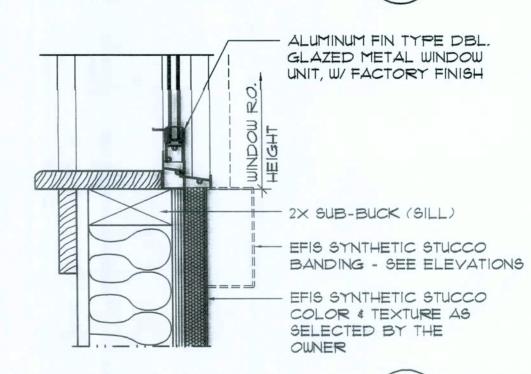
SCALE: 3/8" = 1'-0"



HEAD DETAIL 1



JAMB DETAIL WOOD SASH



SILL DETAIL
WOOD SASH

SCALE: 3" = 1'-0"

Typical Window DET'S



AMBER LYNN HA
COLUMBIA COUNTY, FL

NICHOLAS
PAUL
GEISLER
1758 NW Brown Rd
ARCHITECT
Lake City, FL 3205

DATE

O1AUG 2009

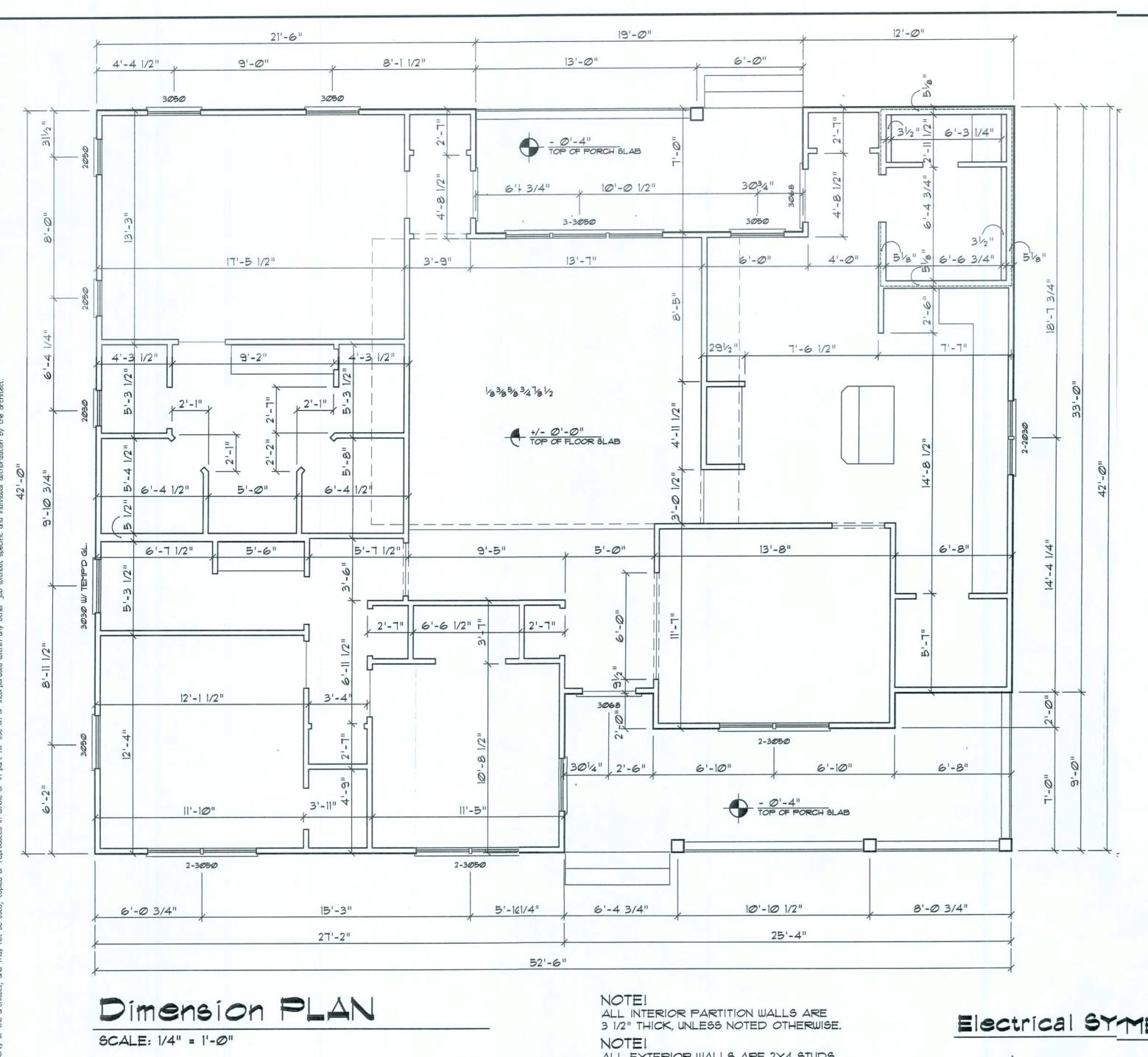
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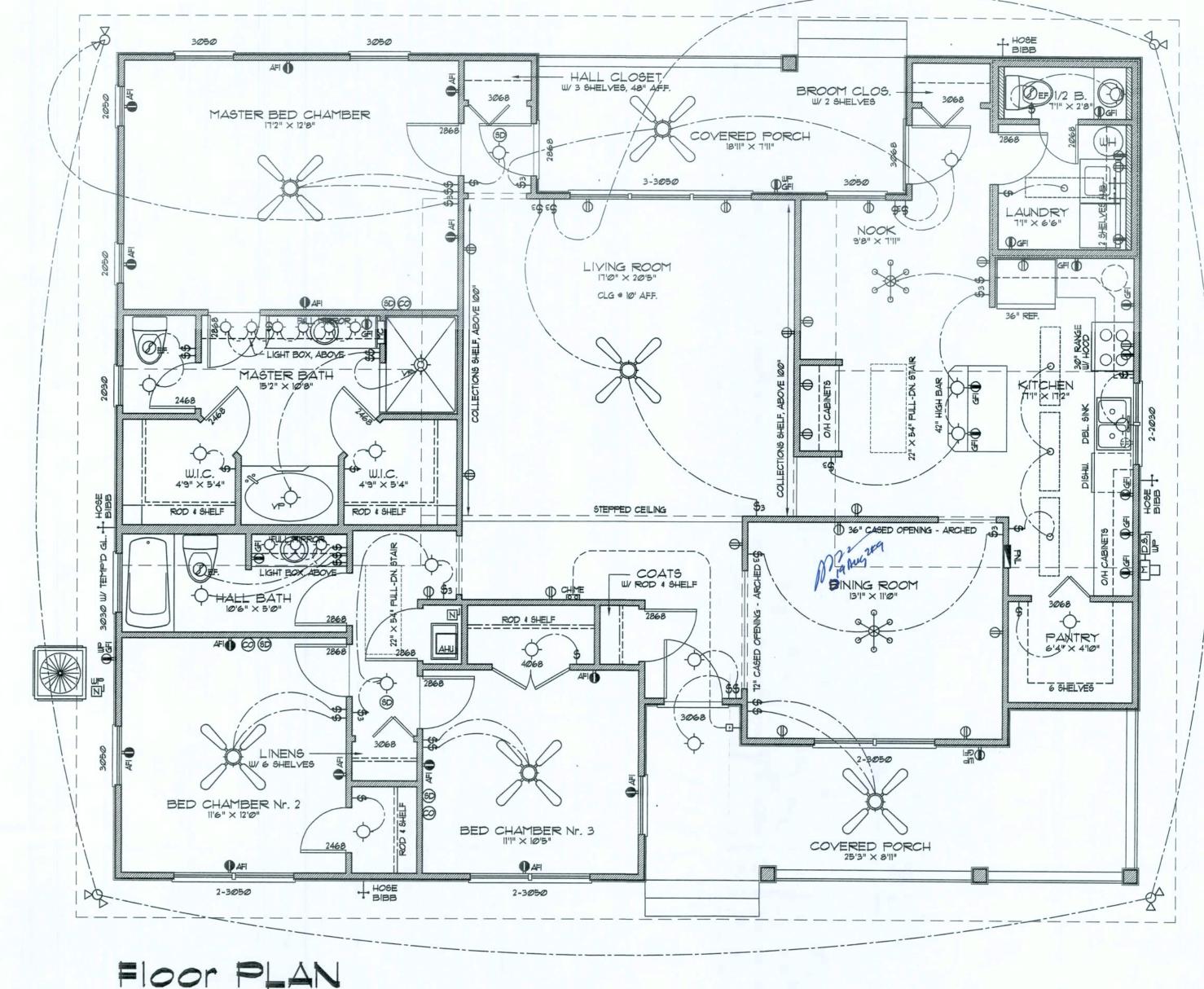
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CABINETS, COUNTERS, SHELVES AND THE LIKE, SHOWN ON THIS PLAN SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE STANDARDS OF QUALITY AS OUTLINED IN THE NOTES TITLED "GENERAL MILLWORK NOTES", AND SHALL INCLUDE SUCH FEATURES, HARDWARE AND FINISHES AS DIRECTED BY THE OWNER. THE PLAN VIEWS INDICATED ARE FOR GENERAL LOCATION AND EXTENT OF THE WORK - UNLESS DETAILED CABINET PLANS ARE INCLUDED WITH THIS PLANS PACKAGE ALL OTHER PHYSICAL CHARACTERISTICS SHALL BE AS DIRECTED BY THE OWNER.

NOTE PROVIDE 2X6 BACKING AT ALL OVERHEAD CABINET LOCATIONS, FLUSH WITH FACE OF FRAMING - TOP OF BACKING TO BE 1'-0" A.F.F.



GROSS LIVING AREA: COVERED PORCH AREA:

1850.3 1200.0 SF 337.7 144.0 SF

TOTAL AREA:

2184.0 1344.0 SF

ALL EXTERIOR WALLS ARE 2X4 STUDS

## ELECTRICAL PLAN NOTES

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

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

ALL RECEPTICALS IN BEDROOMS SHALL BE ON ARC FAULT INTERRUPTER CIRCUITS (AFIC), PER NEC 210-12

ALL RECEPTICALS IN BATHROOMS, KITCHENS AND EXTERIOR LOCATIONS SHALL BE ON GROUND FAULT INTERRUPTER CIRCUITS (GFIC).

INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

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

PROVIDE & INSTALL CARBON MONOXIDE DETECTORS AS INDICATED @ 12" ABY, FIN. FL., INTERLOCKED

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

ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE I COPY OF AS-BUILT DWGS

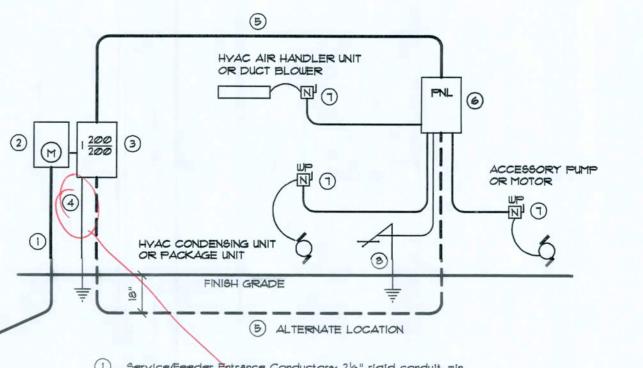
TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY.

# Electrical SYMBOLS

- \$ SPST WALL SWITCH
- DPDT WALL SWITCH (1(3-WAY)
- DUPLEX WALL RECEFEPTACLE
- DUPLEX WALL RECP'PT, BELOW COUNTER P 240V OUTLET
- OF GND FAULT INTERRUFIPTER DUPLEX RECEPT.
- AFI ARC FAULT INTERRUF, PTER DUPLEX RECEPT. THE WEATHER PROOF GFI FI DUPLEX RECEPT.
- DUPLEX WALL RECEFEPTACLE, 1/2 SWITCHED ELECTRICAL PANEL
- DEF. EXHAUST FAN DBL. LAMP INC. FLOGOD LIGHT
- CEILING FAN, W/ INC. I. LIGHT FIXTURE O INC. LIGHT FIXTURE

MOKE DETECTOR, 12 120V

- 4 TUBE FLU. PRISMATITIC WRAP SURFACE FIXTURE CHIME
- D- MOMENTARY PUSHBU JUTTON SWITCH, LIGHTED SWITCH/FIXTURE WIRINING
- CONTROL WIRE LOUDW YOLTAGE NON-FUSED DISC. SWIWITCH
- ▼ TELEPHONE TELEVISION OUTLET
- THERMOSTAT, 1 & 60" AFF



(1) Service/Feeder Entrance Conductors: 21/2" rigid conduit, min. 18" deep, w/ continuous Ground Bonding Conductor, Service/ Entrance Conductors shall not be spliced except that bolted connections at the Meter, Disconnecting Devices and Panel shall be allowed.

2) Meter Enclosure, weatherproof, U.L. Listed.

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

- 3) Main Disconnect Switch: fused or Main BRKR, weatherproof,
- 4) Service entrance Ground: \$5" \* iron/steel rod x 8"-0" long and/or concrete encased foundation steel rebar x 20"-0" long. Grounding Conductor shall be bonded to each piece of Service/Entrance Equipment, and shall be sized per Item \$5, below.
- (5) 200 AMPERE SERVICE: 3-2/0-USE-Cu, I-4-Cu-GND, 1/4 Conduit. (6) House Panel (PNL), U.L. Lised, sized per schedule.
- Equipment Disconnect Switch: non-fused, in weatherproof enclosure, size according to Panel Schedule loads. 8 Provide Ground Bond Wire to metal piping, size in accordance NOVE - UTER with the Service Ground Conductor.

THE MINIMUM AIC RATING FOR PANEL BOARDS, BRKRS AND DISCONNECT SWITCHES SHALL BE 22,000 AIC.

ELECTRICAL RISER DIAGRAM: 2004 SCALE: NONE

ELECTRICAL COMPUTATIONS General Lighting/Receptacles = 3w/sf 21840 sf x 3w = 6552.0w Washer Circuit 1500.0w Dishwasher Circuit 1500.0u Sm. Appliance Circuits (3 a 1500w) 4500.0w Sub-Total 14052.0w 1st 3KW @ 100% 3000.0w Bal. of KW @ 35% 3868.2W Fixed Appliances: Refrigerator 1200.0w Clg. Fans (6 @ 360w) 21600W Water Well Pump 1200.0u 4500.0w Spares (8 @ 400w) 32*00.0*w Sub-Total 2260.0W Load a 75% DF. 9195.0w 100% Demand Factor Loads: Dryer Range HVAC System (100km Strip Heat) 5000.0W 3000.0w 0800.0W Total Demand Load: 39863.2w SERVICE SIZE: 39863.2w / 240v = 166.1 Amperes

PANEL	. "L": 200A - MLO - 12 40 SLOT - FLUSH		- 4 WIRE	
Cir. Nr.	Location	Trip Poles	Wire Size	Load
1-8	Lighting/Recept. Dishwasher	15A/IP	14NM	655
10-12	Sm. Kit. Appliances	20A/1P	12NM	4500
13-14	Ceiling Fans	15A/1P	14NM	2160
15,17	EWH	30A/2P	IONM	4500
16	Refrigerator	15A/IP	14NM	1200
18	Spare	-	-	400
19,21	Range	50A/2P	<b>GNM</b>	8000
20,22	Water Well	20A/2P	12NM	1200
23,25	Dryer	30A/2P	IONM	5000
2426	HYAC CU	40A/2P	SNM	(3600
27,29 /	HYAC AHU	60A/2P	4NM	10800
	Spare	-	-	2800
37-40	Space	_	_	9

USE: 3 \*2/0 THW W/ 1 \*4 CU GND / 21/2" C.

TOTAL CONNECTED LOAD:

48612W

DRAWI:

DATE: 01 AUG 2009 COMM:

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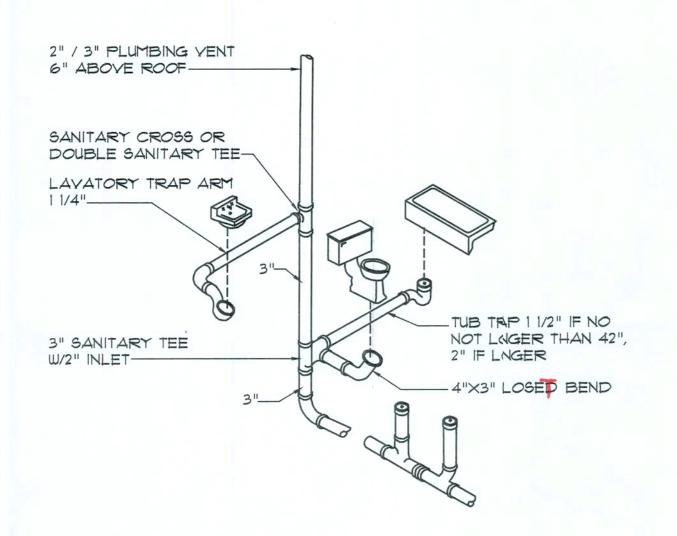
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# Closet Rod & Shelf Detail

SCALE: NONE

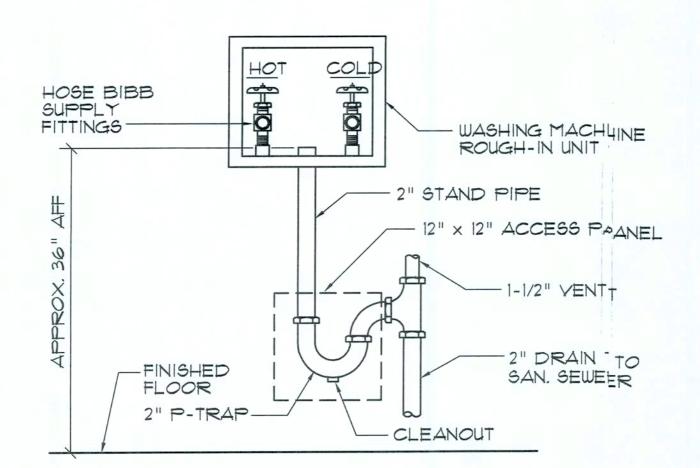


# Typ. One Bath Plumbing DET.

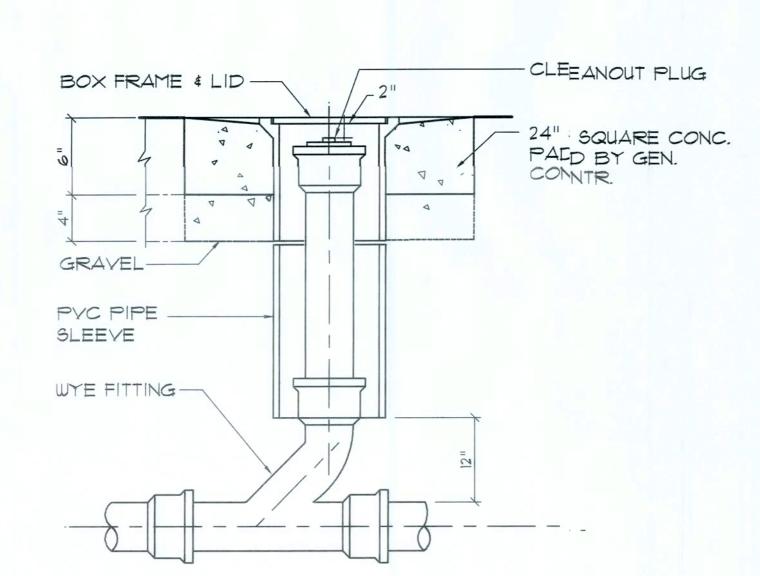
N.T.S. - THIS PLUMBING DIAGRAM IS GENERAL IN NATURE, EFER TO THE 'PLUMBING RISER DIAGRAM' FOR INFORMATION.

#### -HOT WATER SUPPIPLY COMBINATION TEMPERATURE W/ HEAT TRAP AND PRESSURE RELIEF VALVE --YACUUM RELIEF YYALVE - COLD WATER DRAIN\_ - GATE VALVE, TYYPICAL - UNION, TYPICAL DIP TUBE INSIDEF OF TANK - SEISMIC STRAP ( (OPT.) AQUASTAT-- HOSE BIBB TYPICAL - 4" HOUSEKEEPINING PAD HEATING ELEMENT - FLOOR TYPICAL -

## Electric Water Heater DETAIL SCALE: NONE



# Washing Machine Hook-up DET.



Outdoor Cleanout DETAIL

N.T.S.



#### TEMPERED GLASS NOTES:

THE FOLLOWING SHALL BE CONSIDERED SPECIFIC HAZARDOUS LOCATIONS FOR THE PURPOSES OF GLAZING:

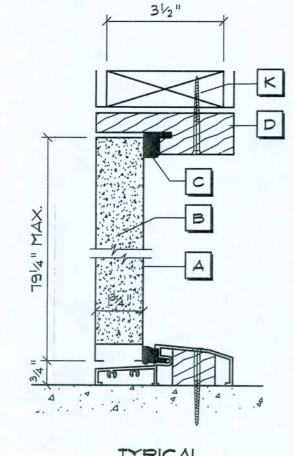
- I. GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
- 2. GLAZING IN DOORS AND WALLS OF ENCLOSURES FOR HOT TUBS, WHIRLPOOLS SAUNAS, STEAM ROOMS, BATHTUBS, SHOWERS AND OTHER SUCH FACILITIES WHERE SUCH GLAZING IS LOCATED 36 INCHES (914 MM) OR LESS, MEASURED HORIZONTALLY, FROM A STANDING OR WALKING SURFACE WITHIN THE ENCLOSURE AND WHERE THE BOTTOM EDGE OF THE EXPOSED GLAZING IS LESS THAN 60 INCHES (1524 MM), MEASURED VERTICALLY, ABOVE SUCH STANDING OR WALKING
- 3. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL ADJACENT TO A DOOR WHERE THE NEAREST VERTICAL EDGE IS WITHIN A 24-INCH (610 MM) RADIUS OF THE DOOR IN A CLOSED POSITION AND WHOSE BOTTOM EDGE IS LESS THAN 60 INCHES (1524 MM) ABOVE THE FLOOR OR WALKING SURFACE.

EXCEPTION: GLAZING IN WALLS PERPENDICULAR TO THE PLANE OF THE DOOR IN A CLOSED POSITION IN GROUP R3 OR WITHIN DWELLING UNITS IN GROUP R2 SHALL BE SUBJECT TO 2004 FBC 24052.1(4).

- 4. GLAZING IN AN INDIVIDUAL FIXED OR OPERABLE PANEL, OTHER THAN THOSE LOCATIONS DESCRIBED IN ITEMS 2 AND 3 ABOVE, THAT MEETS ALL OF THE FOLLOWING CONDITIONS:
- 4.1 EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (0.84
- 42 BOTTOM EDGE LESS THAN 18 INCHES (45T MM) ABOVE THE FLOOR.
- 4.3 TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
- 4.4 ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

#### Door Notes

- STEEL SKIN 26 GA.
- POLYURETHANE FOAM CORE
- COMPRESSION WEATHER STRIP
- WOOD HEAD JAMB
- ALUMINUM BUMPER THRESHOLD
- $\#0-24 \times 1/2 \ \text{F.H.M.S.}$  (4) SCREWS PER HINGE INTO DOOR
- #10 × 3" F.H.W.S. (5) SCREWS THROUGH HINGE JAMB, 8" DOWN FROM TOP, MAX. 18" O.C. THEREAFTER.
- #10 × 2" F.H.W.S (4) SCREWS THROUGH EACH HINGE INTO DOOR JAMB.
- #10 × 2" F.H.W.S (2) SCREWS THROUGH HEAD INTO HEADER.



DESIGN PRESSURE RATINGS \* POSITIVE +76.0 PSF NEGATIVE -76.0 PSF

\* WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED

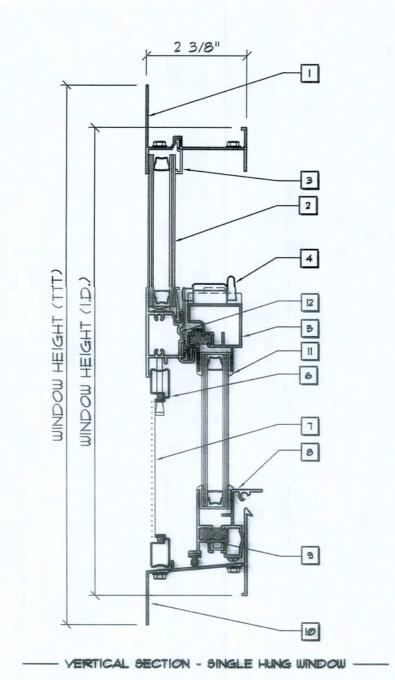
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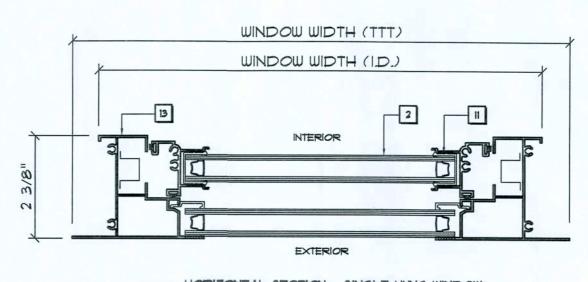
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TYPICAL ----- VERTICAL SECTION ----

# Exterior Door DETAILS

SCALE : NONE





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

BY "MI 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.
- NI COMPLETE WITH FAN LITE AS PER SERIES 450

# Typ. Window Sash DETAILS

SCALE : NONE



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

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3 OF

DRAWE

MON ACIDA

371/2" MAX. 3534" MAX

---- HORIZONTAL SECTION - SINGLE DOORS ----

NOTE, VERIFY ROUGH OPENING DOOR REQUIREMENTS PRIOR TO CONSTRUCTION.

----- HORIZONTAL SECTION - SINGLE HUNG WINDOW ----

NSTALLATION	MODEL
"ROOF'G. NAILS @ 6" FROM CORNERS, 18" O.C.	SERIES 450
- 1" ROOF'G. NAILS EA. FLANGE, MAX. 18" O.C.	SERIES 650

ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED

N2 - TESTING AS PER ASTM E1300

CONCRETE: MINIMUM COMPRESSIVE STRENGTH OF CONCRETE AT 28 DAYS, F'c = 3000 PSI. WHER EXCESS WATER IS ADDED TO THE CONCRETE SO THAT ITS SERVICABILITY IS DEGRADED, THE ATTAINMENT OF REQUIRED STRENGTHSHALL NOT RELEASE THE CONTRACTOR FROM PROVIDING SUMMODIFICATIONS AS MAY BE REQUIRED BY THE ARCHITECT TO PROVIDE A SERVICEABLE MEMBERR SUFFACE. ALL CONCRETE SHALL BE VIBRATER NO REPAIR OR RUBBING OF CONCRETE SURFACE SHALL BE MADE PRIOR TO INSPECTION BY AND APPROVAL OF ARCHITECT, OWNER OR HIS

WELDED WIRE REINFORCED SLAB:  $6" \times 6"$  WI.4  $\times$  WI.4, FB = 85KSI, WELDED WIRE REINFORCEMENT FABRIC (WWW.) CONFORMING TO ASTM A185, LOCATED IN MIDDLE OF THE SLAB, SUPPORTED WITH APPROVED MATERIALS OR SUPPORTS AT SPACINGS NOT TO EXCEED 3'.

FIBER CONCRETE SLAB: CONCRETE SLABS ON GROUND CONTAINING SYNTHETIC FIBER REINFORCEMENT, FIBER LENGTH 1/2 INCH TO 2 INCHES. DOSAGE AMOUNTS FROM 0.75 TO 15 POUNT PER CUBIC YARD PER THE MANUFACTURER'S RECOMMENDATIONS. FIBERS TO COMPLY WITH ASTM C III6. SUPPLIER TO PROVIDE ASTM C III6 CERTIFICATION OF COMPLIANCE WHEN REGULESTE

REBAR: ASTM A 615, GRADE 60, DEFORMED BARS, FY = 60 KSI. ALL LAP SPLICES 40 \* DB (25" FOR \*5 BARS), UNO. ALL REINFORCEMENT SHALL BE DETAILED AND PLACED IN ACCORDAN(WITH ACI 315-96, UNO. ALL TENSION DEVELOPMENT LENGTHS SHALL BE 23".

CONTROL JOINTS: WHERE SPECIFIED, SAWN CONTROL JOINTS IN SLAB-ON-GRADE SHALL BE CUT ACCORDANCE WITH ACI 302. JOINTS SHALL BE CUT WITHIN 12 HOURS OF SLAB PLACEMENT. THE LENGTH / WIDTH RATIOS OF SLAB AREAS SHALL NOT EXCEED 15 AND TYPICAL SPACING OF CUTIO BE 12FT. DO NOT CUT WIM OR REINFORCING STEEL. (RECOMMENDED LOCATION OF CONTROL JOINTS I SUBJECT TO OWNER AND CONTRACTOR'S APPROVAL. THE CONTROL JOINTS ARE NOT INTENDED 1 PREVENT CRACKS BUT RATHER TO ENCOURAGE THE SLAB TO CRACK ON A GIVEN LINE.)

CONCRETE BLOCK: ASTM C-90 WITH MEDIUM SURFACE FINISH, F'm = 1500 PSI. MORTAR: TYPE M OR N FOR ALL MASONRY UNITS.

ANCHOR BOLTS: A-30T ANCHOR BOLTS WITH MINIMUM EMBEDMENT AS SPECIFIED IN DRAWINGS BIND LESS THAN 7" IN CONCRETE OR REINFORCED BOND BEAM OR IS" IN GROUTED CMU. WASHERS: WASHERS USED WITH 1/2" BOLTS TO BE 2" x 2" x 9/64", WITH 5/8" BOLTS TO BE 3" x 3" x/64", WITH 3/4" BOLTS TO BE 3" x 3" x 9/64", WITH 7/8" BOLTS TO BE 3" x 5/16", UNO.

STRUCTURAL DESIGN NOTES

STRUCTURAL CONNECTORS: MANUFACTURERS AND PRODUCT NUMBER FOR CONNECTORS, CHORS, AND REINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OHE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMP TABLES AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATIO INSTRUCTIONS MUST BE FOLLOWED TO ACHIEVE RATED LOADS, ALL CONNECTIONS EXPOSED DIRTLY TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION NAILS: ALL NAILS ARE COMMON NAILS UNLESS OTHERWISE SPECIFIED OR ACCEPTED BY FBC 3T

REPORTS AS HAVING EQUAL STRUCTURAL VALUES. INTERIOR STUD WALLS: ALL INTERIOR STUD WALLS ARE NON-LOAD BEARING! UNO. ROOF LIDS TO BE CARRIED ON LOG WALLS OR ROOF BEAMS WITH INTERIOR SUPPORT COLUMNS, UNO. BEARING! STUDS TO BE SPF2, UNO. NON-LOAD BEARING WALL STUDS MAY BE SPF STUD GRADE. ALL PLATES NOT PROTECTED FROM MOSTURE TO BE SYP? PT.

EXTERIOR STUD WALLS: ALL EXTERIOR STUD WALLS ARE LOAD BEARING SHEAR WALLS W SPF12 STUDS, SYPP2 PT BOTTOM PLATE, SPF12 DOUBLE TOP PLATE WITH 10-16d NAILS PER LAP SPLICE SP4, 6-10d "U" STRAP TOP AND BOTTOM AT 48" OC UNO: 7/6" OSB OR 5/8" CDX SHEATHING, WI"PANEL EDGES FULLY BLOCKED, FASTENED WITH 8d COMMOM NAILS, SPACING 6" OC PANEL EDGES, 12"

GLULAM BEAMS: GLULAM BEAM, GLB, 24F-V35P, Fb = 2.4ksf, E = 1800ksf; UNO. SUPPLIER MAYIPPLY
AS ALTERNATE BEAM WITH EQUAL PROPERTIES OR MAY SUBMIT THEIR OWN SIZING

ROOF SEATHING: ALL ROOFS ARE HORIZONTAL DIAPHRAGMS: 1/16" OSB OR 5/8" CDX SHEAING, UNBLOCKED, APPLIED PERPENDICULAR TO FRAMING, OVER A MINIMUM OF 3 FRAMING MEMBERS, TH PANEL EDGES, STAGGERED, FASTENED WITH 8d COMMON NAILS (.131), 4"OC PANEL EDGES 8" OC INTERMEDIATE MEMBERS, 4" OC GABLE ENDS AND DIAPHRAGM BOUNDARY, UNO.

FLASHING: BUILDER IS TO PROVIDE FLASHING TO MEET LOCAL CODE REQUIRMENTS AND INST. ED IN A WORKMANLIKE MANNER TO PREVENT ANY POSSIBILITY OF MOISTURE DAMAGE, TOXIC MOLD OR ANY OTHER DETRIMENTAL EFFECT. ALSO, FOLLOW FLASHING MANUFACTURER'S DATA SHEET AND SMACNA LITERATURE AND STANDARDS.

#### CONNECTOR TABLE

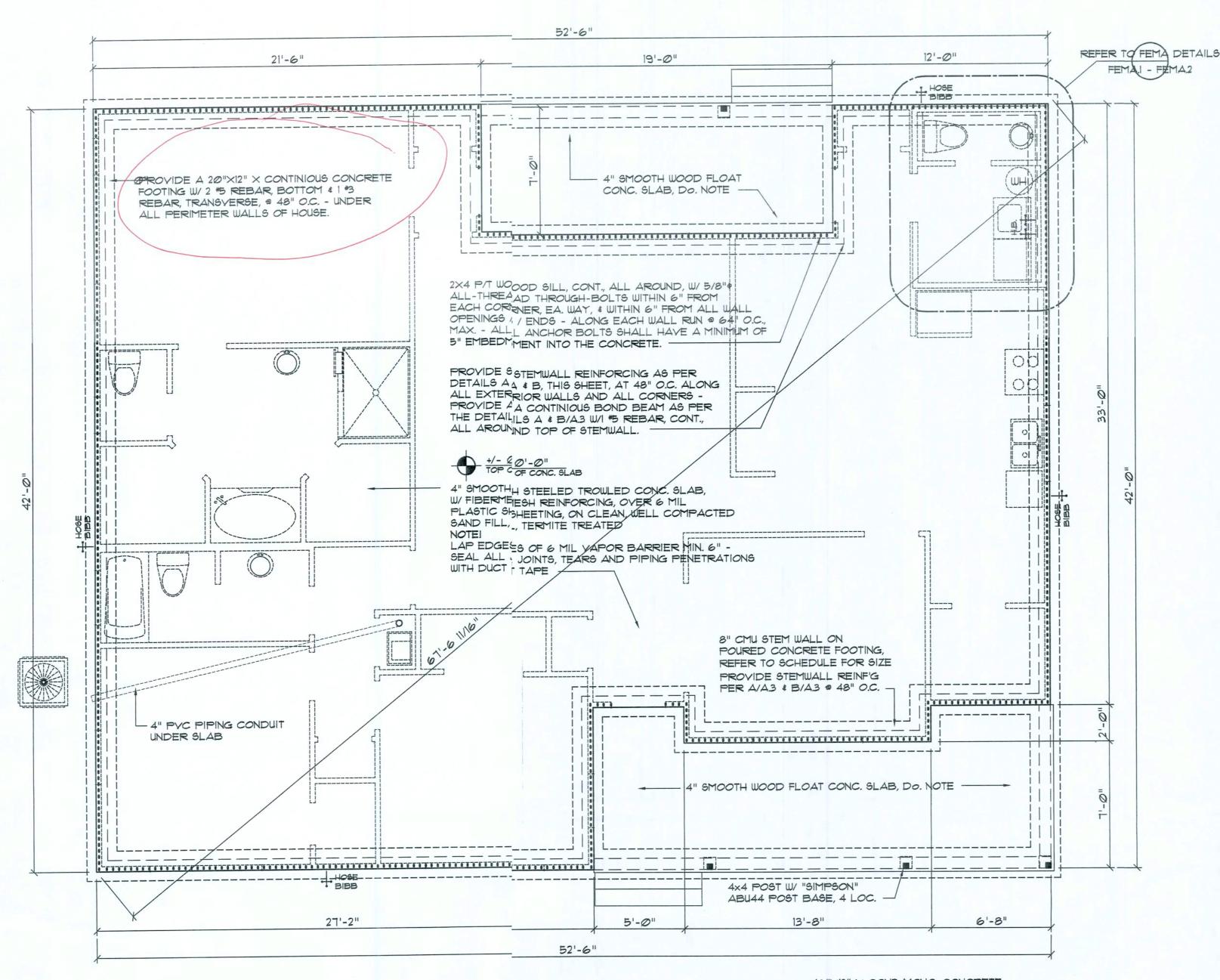
UPLIFT LBS.	TRUSS CONNECTOR	TO PLATES	TO RAFTER
455	H3	4-8d	4-8d
535	H2.5A	5-8d	5-8d
990	HIØ	8-8d, 11/2"	8-8d, 11/2"
1470	H16	10-10d, 1 1/2"	2-10d, 1 1/2"
3965	MGT	5/8" THD. ROD	22-lØd
UPLIFT LBS.	STRAP CONNECTOR	TO ONE MEMBER	TO OTHER MEMBER
885	5P4	6-10d, 11/2"	N/A
1030	C52Ø	9-8d OR T-10d	9-8d OR 7-10d
1235	LSTA21	8-10d	8-10d
1240	SPH4	10-10d, 1 1/2"	N/A
1705	C516	13-8d OR 11-10d	13-8d OR 11-10d
UPLIFT LBS.	COLUMN ANCHOR	TO COLUMN	TO FOUNDATION
1350	LTT19	8-16 sinkers	5/8" x 16" AB
2310	LTTI31	18-10d, 1 1/2"	5/8" x 16" AB
2775	HD2A	2-5/8" bolts	5/8" x 16" AB
4175	HTT16	18-16d	5/8" x 16" AB
720	ABA66	8-16d	5/8" x 16" AB
2200	AB166	12-16d	5/8" x 16" AB

NOTE: ALL CONNECTORS ARE SIMPSON, UNO USE FASTENERS SPECIFIED IN THIS TABLE, UNO MANUFACTURER AND PRODUCT NUMBERS FOR CONNECTORES, ANCHOR, AND RREINFORCEMENT ARE LISTED FOR EXAMPLE NOT ENDORSEMENT. AN EQUIVALENT DEVICE OF THE SAME OR OTHER MANUFACTURER CAN BE SUBSTITUTED FOR ANY DEVICES LISTED IN THE EXAMPLE TABLE AS LONG AS IT MEETS THE REQUIRED LOAD CAPACITIES. MANUFACTURER'S INSTALLATION INSTRUCTIONS MUST BE FOLLOWED OT ACHIEVE RATED LOADS. ALL CONNECTIONS EXPOSED DIRECTLY TO THE WEATHER SHALL BE HOT DIPPED GALVANIZED AFTER FABRICATION. LISTED LOADS ARE FOR SYP, 055 S.G. AND HAVE BEEN INCREASED FOR WIND DURATION, UNO, AND MUST BE ADJESTED FOR OTHER SPECIES OR DURATION. STRAP CONNECTOR CAPACITY MAY BE REDUCED PROPORTIONALLY TO NUMBER OF FASTENERS.

TALL STEM WALL TABLE (SLAB ON GRADE)

The table assumes 60 ksi reinforcing bars with 6" hook in the footing and bent 24" into the einforced slab at the top. The vertical steel is to be placed toward the tension side of the CMU wall (away from the soil pressure, within 2" of the exterior side of the wall). If the wall is over 8' high, add Durowall ladder reinforcement at 16"OC vertically or a horizontal bond beam with 15 continuous at mid height. For higher parts of the wall 12" CMU may be used with reinforcement as shown in the table below.

UNBALANCED BACKFILL HEIGHT	VERTICAL REINFORCEMENT FOR 8" CMU STEMWALL (INCHES O.C.)		VERTICAL REINFORCEMENT FOR 12" CMU STEMWALL (INCHES O.C.)			
	*5	#7	*8	布	**	*8
3.0	96	96	96	96	96	96
3.7	96	96	96	96	96	96
4.3	88	96	96	96	96	96
5.0	56	96	96	96	96	96
5.7	40	80	96	8Ø	96	96
63	32	56	80	56	96	96
7.0	24	40	56	40	80	96
Т,Т	16	32	48	32	64	80
8.3	8	24	32	24	48	64
9.0	8	16	24	16	40	48
	3.0 3.1 4.3 5.0 5.1 6.3 1.0 7.1 8.3	BACKFILL FOR 8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	BACKFILL HEIGHT FOR 8° CMU STEM (INCHES OC)  #5 #7  3.0 96 96  3.1 96 96  4.3 88 96  5.0 56 96  5.1 40 80  6.3 32 56  1.0 24 40  1.1 16 32  8.3 8 24	BACKFILL HEIGHT FOR 8° CMU STEMWALL (INCHES O.C.)  #5 #7 *8  3.0 96 96 96  3.1 96 96 96  4.3 88 96 96  5.0 56 96 96  5.1 40 80 96  6.3 32 56 80  1.0 24 40 56  7.1 16 32 48  8.3 8 24 32	BACKFILL HEIGHT FOR 8" CMU STEMWALL (INCHES O.C.)  #5 #7 #8 #5  3.0 96 96 96 96 96  3.1 96 96 96 96 96  4.3 88 96 96 96 96  5.0 56 96 96 96  5.1 40 80 96 80  6.3 32 56 80 56  1.0 24 40 56 40  1.1 16 32 48 32  8.3 8 24 32 24	BACKFILL HEIGHT         FOR 8° CMU STEMWALL (INCHES O.C.)         FOR 12° CMU STEMWALL (INCHES O.C.)           #5         #T         *8         *5         *T           3.0         96         96         96         96         96           3.1         96         96         96         96         96         96           4.3         88         96         96         96         96         96         96           5.0         56         96



16"X12" X CONT. MONO. CONCRETE FOOTING W/ 2 \*5 REBAR, BOTTOM

# Foundation PLAN

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

SHEAR WALL SEGMENTS, SEE A.6 (ALL EXT. WALLS, LESS DOOR OPENINGS)

THE DESIGN WIND SPEED FOR THIS PROJECT 13 110 MPH PER 2004 FBC 1609 AND LOCAL JURISDICTION REQUIREMENTS

ADDED FILL SHALL BE APPLIED IN 8" LIFTS -EA. LIFT SHALL BE CONPACTED TO 95% DRY COMPACTION PER THE "MODIFIED PROCTOR"

PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER AND I COPY TO THE PERMIT ISSUING AUTHORITY.

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

EXTERIOR WALL SHEATHING: APPLY VERTICALLY, "WindSTORM" 1/16" OSB 48" X 97", 109", 121" OR 145"5" SHEATHING, FASTEN TO THE TOP PLATE AND THE SILL PLATE WITH EITHER 6d COMMON NAILS @ 3" O.C. OR 8d COMMON NAILS @ 4" O.C. FASTEN TO " EACH STUD WITH EITHER 6d COMMON NAILS 9 6" O.C. OR 8d COMMON NAILS & 8" O.C.

## GRADE & SPECIES TABLE

		Fb (psi)	E (106 psi
2x8	SYP *2	1200	1.6
2xlØ	SYP 12	1050	1.6
2xl2	SYP 2	975	1.6
GLB	24F-V3 SP	2400	1.8
LSL	TIMBERSTRAND	1700	1.7
LVL	MICROLAM	1600	1.9
PSL	PARALAM	2900	2.0

#### EXTERIOR WALL STUD TABLE FOR SYP #2 STUDS

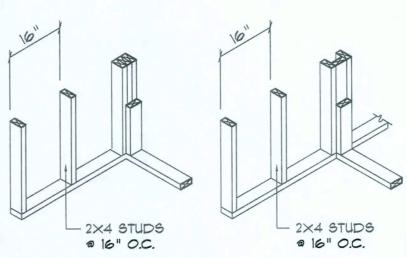
(1) 2x4 @  6" OC	TO 11'-9" WALL HEIGHT
(1) 2x4 @ 12" OC	TO 13'-0" WALL HEIGHT
(1) 2x6 @ 16" OC	TO 18'-10" WALL HEIGHT
(1) 2x6 @ 12" OC	TO 20'-0" WALL HEIGHT

# CONSTRUCTION NOTES

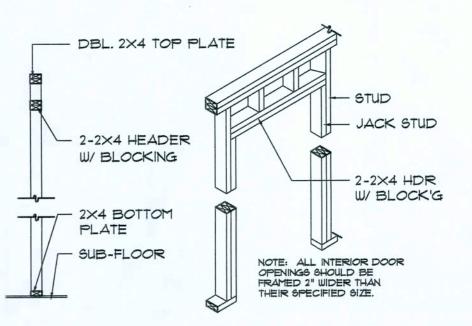
- . FIELD VERIFY ALL DIMENSIONS AND MATERIALS. ALL OUTSIDE DIMENSIONS ARE TO FACE OF STEMWALL
- 2. ALL NAILING CONSTRUCTION MATERIALS SHALL BE AS PER 2004 FBC - SEE SD.1
- 3. PROVIDE EXTERIOR COMBUSTION AIR TO GAS FIRED H.Y.A.C. EQUIPMENT, WOOD BURNING STOVES, AND
- 4. VENT CLOTHES DRYER, BATH, AND COOKING FANS TO
- EXTERIOR AS REQUIRED. 5. CONTRACTOR SHALL CALL ATTENTION TO THE DESIGNER, ANY DISCREPANCIES IN DRAWINGS AND/OR SPECIFICATIONS AND SHALL RECEIVE INSTRUCTIONS OR CLEARIFACATIONS

BEFORE PROCEEDING WITH THE PORTION OF THE WORK IN

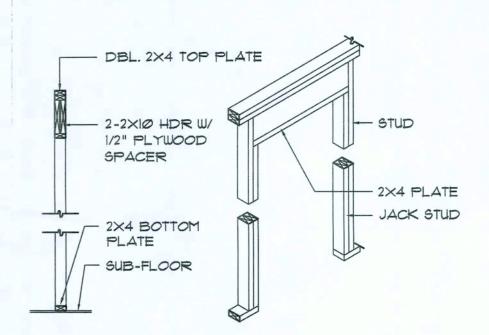
- 6. ROOF & FLOOR TRUSS FRAMING PLANS ARE FOR GENERAL INFORMATION ONLY. THE TRUSS MANUFACTURER SHALL PROVIDE A DETAILED LAYOUT FOR TRUSS AND FRAMING
- MEMBERS. SHOULD CONDITIONS AT THE SITE BE FOUND MATERIALLY DIFFERENT FROM THOSE INDICATED BY THE DRAWINGS AND/OR SPECIFICATIONS, AND THE CONDITIONS USUALLY INHERENT IN THE WORK OF THE CHARACTER SHOWN AND SPECIFIED BE DIFFERENT FROM THE DESIGNERS RECOMMENDED BUILDING PROCEDURES: CALL IMMEDIATE ATTENTION TO SUCH CONDITIONS BEFORE PROCEEDING.
- 8. LP GAS-BURNING APPLIANCES ARE NOT PERMITTED IN BASEMENTS OR CRAWLSPACES.
- 9. DO NOT SCALE DRAWINGS. USE PRINTED DIMENSIONS



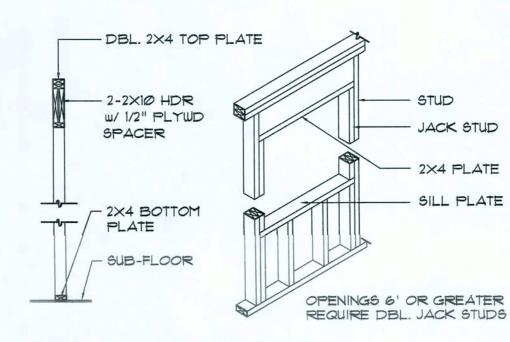
WALL INTERSECTION WALL CORNER



NON-BEARING WALL HEADER



BEARING WALL HEADER



TYPICAL WINDOW HEADER



DRAWN:

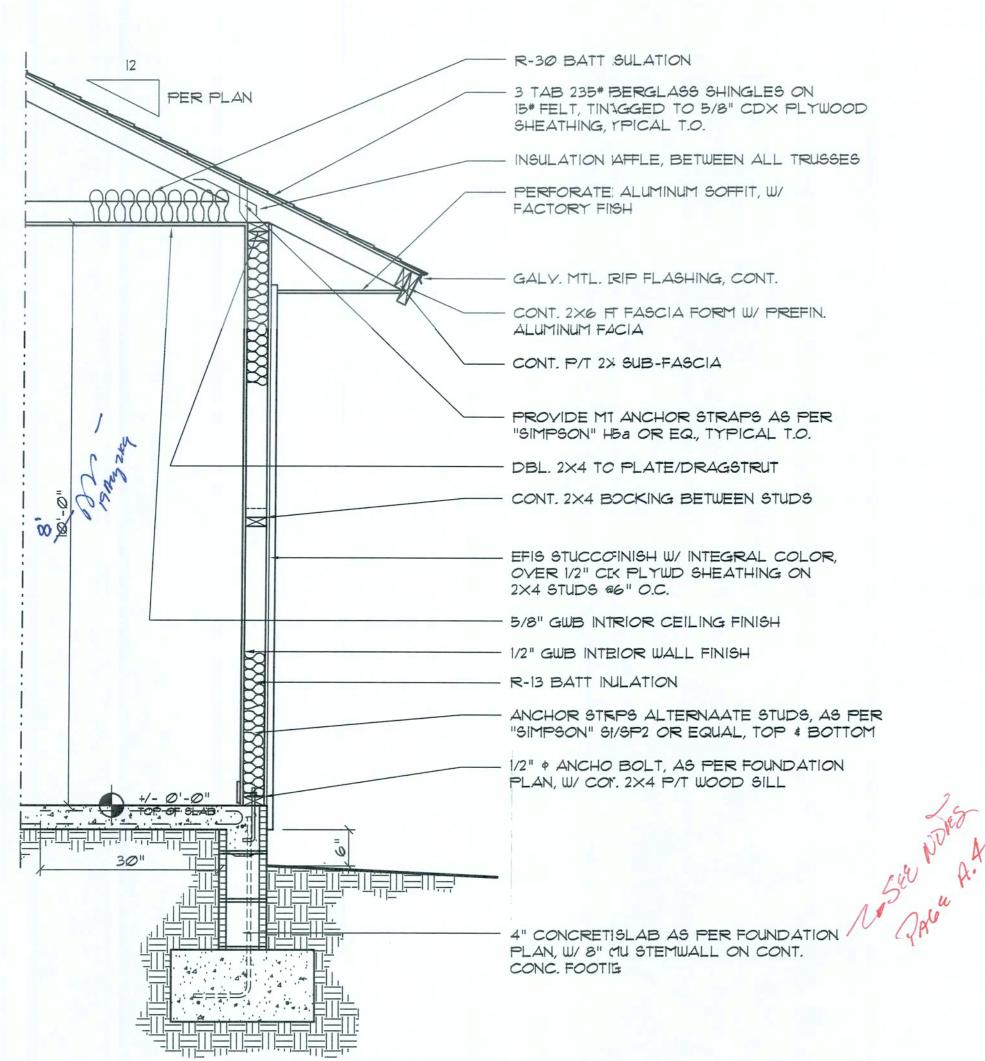
REVISION

DATE: 01 AUG 2009 COMM K941

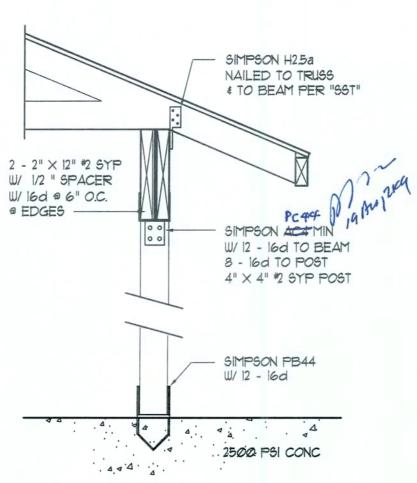
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4 of 8

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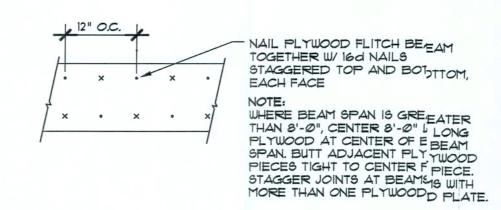


Typical Wall SECTION H

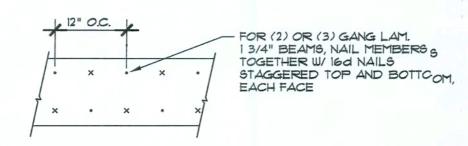


SEE PLANS FOR ANCHOR VARIATIONS

# Post/Beam DETAIL



PLYWOOD FLITCH BEAM DIETAIL

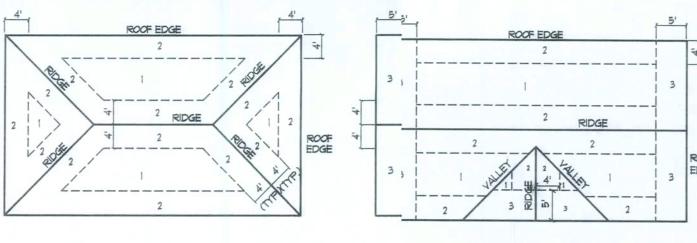


MULTIPLE GANG LAM. DETALIL

# B/U Beam DETAILS SCALE: NONE

ROOF SHEATHING FASTENINGS				
NAILING ZONE	SHEATHING TYPE	FASTENER	SPACING	
1		8d COMMON OR 8d HOT DIPPED GALVANIZED BOX NAILS	6 in. o.c. EDGE 12 in. o.c. FIELD	
2	7/16 " 0.6.B. OR 15/32 CDX		6 in. o.c. EDGE 6 in. o.c. FIELD	
3			4 in o.c. 9 GABLE ENDUDUAL OR GABLE TRUSS 5 6 in o.c. EDGE	

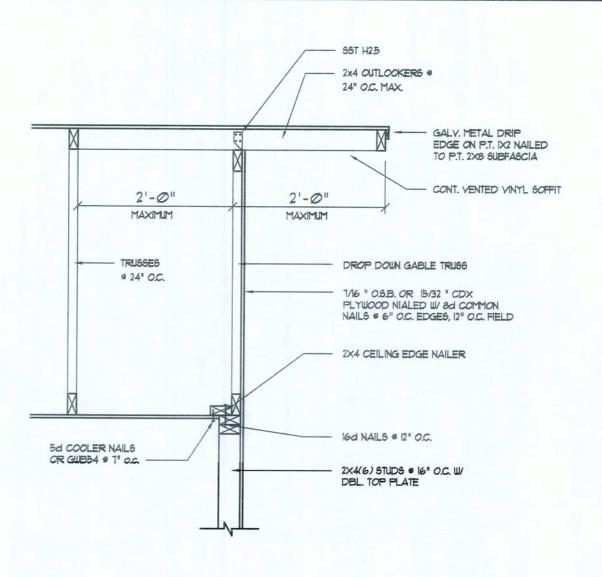
6 in. o.c. FIELD



ROOF SHEATHING NAILING ZONES (HIP ROOF)

FROOF SHEATHING NAILING ZONES (GABLE ROOF)





Gable End DETAILS

SCALE: NONE

SIMPSON STRONG TIE LSTA30
W/ T-I0d NAILS IN 2"X4"
T- 3/16 " DIA X 2 I/4 " TAP CONS
INTO MASONRY

GABLE END GYPSUM DIAPHRAGM HOLDOWN CONNECTOR SCALE: NONE

SIMPSON LST A 30

100 NAILS @ 12" C / C

W/ 22-10D NAILS

-(K)

STRUCTURAL SHEATHING

GABLE SHEATHING

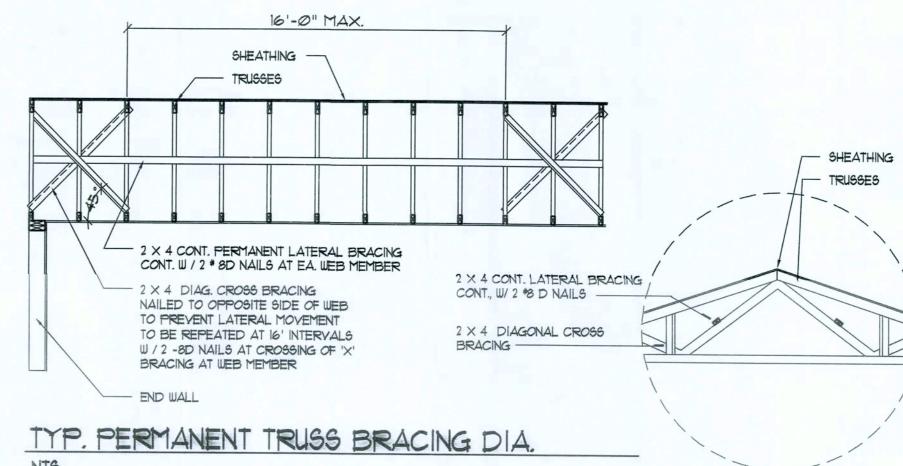
2 × 4 × 8 SOUTHERN YELLOW PINE
DIAGONAL BRACING @ 6'-0" C / C
PINE 2 - 8D COMMON NAILS EACH
BOTTOM CHORD @ 6'-0" C/C

4 AT EACH END

# END WALL BRACING FOR CEILING DIAPHRAGM

(ALTERNATIVE TO BALLOON FRAMING)

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



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

Truss Bracing DETAILS

SCALE: AS NOTED

0

TRESIDENTIAL DESIGN FOR THE LYNN HANGOOK

REVISION:

Copyrght 2009 © N.P. (eisler, Architect

DRAWN

1758 NW Brown Rd.

NICHOLAS PAUL GEISLER

01 AIG 2009 COMM:

DATE:

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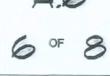


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#### GNERAL NOTES:

- THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE, ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
- . THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WAR-RANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORK-MANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
- 3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURE-POSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
- 4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VAR-IOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
- 5. THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
- 6. ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED JITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
- . ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT N WRITING PRIOR TO THE COMMENCEMENT OF THE WORK
- 8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
- 9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL 3E PRESSURE TREATED.
- 10. NTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COM-PLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE NCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED ROM HEATED / COOLED AREA.
- NTERIOR STUD WALLS SEPARATING LIVING AREA FROM GAR-AGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH UL Design U333", INCLUDING R-11 BATT INSULATION.
- 12. JEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING REA ABOVE SHALL BE 5/8" FIRECODE "C" GWB ON IX3 WOOD URRING AT 16" O.C., ATTACHED W/ I 1/4" BUGLEHEAD SCREWS 6" O.C. ALONG EACH POINT OF BEARING.

#### PROJECT INFORMATION / NOTES:5.

DESIGN YALUES/LOADS & CODES WIND DESIGN SPEED: 120 MPH, UNLESS NOTED 3 OTHERWISE

SOIL DESIGN STATEMENT: FOOTING DESIGN IS BASED UPON 1000PSF SOIL L BEARING PRESSURE PRO-VIDED BY CLEAN SAND, GRAVEL OR STONE. O'DTHER SOIL CONDITIONS ie: CLAY, HIGH LEVEL OF ORGANICS OR OTHER & UNDESTRABLE SOILS SHALL REQUIRE FOUNDATION MODIFACATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 400PSF, ROOF: AS DETERMINED BY SHAPE FACTORS APPLIED TO THE WIND FORRCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2001 FLORIDA BUILDING CODE, F

ELECTRICAL CODE: NATIONAL ELECTRICAL CODDE - LATEST LIFE SAFETY: NFPA-101 - LATEST

## CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERINING. THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUILING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONNTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALILL DIMENSIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCICHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRACATION OF ANY MATERIALS.

#### DO NOT SCALE OFF THESE PLANS; AMPLE DIMENSIONS ARE SHOWN ON THE PLANS ) TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMININE THE LOCATIONS OF THOSE

# ITEMS NOT DIMENSIONED.

CHANGES TO FINAL PLAN SETS PLEASE DO NOT MAKE ANY STRUCTURAL CHANGIGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SIGHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING & FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS & DIFFERENT FROM SPECIFICATION ON THE PLANS.

INORGANIC ARSENICAL PRESSURE : TREATED WOOD SOME FRAMING MATERIALS SPECIFIED FOR THE ( CONSTRUCTION OF YOUR PROJECT SUCH AS SILLS OR EXTERIOR FRAMINGIG ARE PRESSURE TREATED. EACH PIECE IS CLEARLY MARKED FOR EASY ID DENTIFICATION AND IS USUALLY GREENISH IN COLOR

THIS WOOD HAS BEEN PRESERVED BY PRESSURIRE-TREATMENT WITH AN EPA-REGISTERED PESTICIDE CONTAINING INORGANIC S ARSENIC TO PROTECT IT FROM INSECT ATTACK AND DECAY, EXPOSURE TO TREATED WOOD MAY PRESENT CERTAIN HAZARDS, THEREFORE, PRECEDUTIONS SHOULD BE TAKEN BOTH WHEN HANDLING THE TREATED WOOD AND 2 IN DETERMINING WHERE TO USE OR DISPOSE OF THE TREATED WOOD.

FOR FURTHER INFORMATION ON THE USE OF AND IS DISPOSAL OF INORGANIC ARSENIC PRESSURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

HARDWARE RETIGHTENING REQUIREMENTS ALL LAG SCREW AND BOLT CONNECTIONS ON CO: OMPOUND BEAMS, POSTS, GIRDERS, TIMBER TRUSSES AND OTHER STRUCTURURAL MEMBERS TO BE INSPECTED PERIODICALLY AND RETIGHTENED A'AS NECESSARY.

### FLORIDA BUILDING CODE

#### Compliance Summary

#### TYPE OF CONSTRUCTION

Roof: Gable Construction, Wood Trusses # 24" O.C. Walls: 2x4 Wood Stude @ 16" O.C.

Floor: 4" Thk Concrete Slab W/ Fibermesh Concrete Additive Foundation: Continuous Footer/Stem Wall

#### ROOF DECKING

Material: 1/2" CD Plywood or 7/16" O.S.B. Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing Fasteners: 8d Common Nails per schedule on sheet A.X

Material: 7/16" O.S.B. "WindSTORM": 48" × 97", 109", 121" OR 145" Sheet Size: 48"x97" (109", 121" OR 145") Sheets Placed Vertical Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Dragetrut: Double Top Plate (S.Y.P.) W/16d Nalle @ 12" O.C. Wall Studs: 2x4 SPF Studs @ 16" O.C.

#### HURRICANE UPLIFT CONNECTORS

Truss Anchors: Simpson H2.5a @ Ea. Truss End (Typ. U.ON.) Wall Tension: Wall Sheathing Nailing is Adequate - 8d # 4" O.C. Top & Bot. Anchor Bolts: 1/2" A3ØT THRU-BOLTS @ 64" O.C. - 1st Bolt 8" from corner Corner Hold-down Device: (1) Anchor THRU-BOLT Porch Column Base Connector: Simpson ABU44/ABU66 @ each column

Porch Column to Beam Connector: Simpson EPC44/PC44 @ each column

#### FOOTINGS AND FOUNDATIONS

Footing: 20"x12" Cont. W/2-#5 Bars Cont. & Wire Chairs # 48" O.C. Stemmall: 8" CM.U. W/1-\*5 Vertical Dowel @ 48" O.C.

ALL WIND LOADS ARE IN ACCORDA FLORIDA BUILDING CODE	
BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (1):	= 1.00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- Ø.18
MUFRS PER TABLE 16092A (FBC 2007) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADING PER TABLES 16092B & 16092C (FBC 2007) DESIGN WIND PRESSURES:	OP'NGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

## S'ANDARD ABBREYIATIONS

	a	AT	GALV.	GALYANIZED
		NUMBER or POUND(S)	HORZ	HORIZONTAL
	=	EQUALS	INS.	INSULATION
	ф	DIAMETER	INT.	INTERIOR
	W/	WITH	LAY.	LAVATORY
	W/C	WITHOUT	LYL	LAMINATED VENEER LUMBER
	<b>\$</b>	CENTERLINE	MAX.	MAXIMUM
	4	AND	MIN.	MINIMUM
	+/- ±	PLUS OR MINUS	MISC.	MISCELLANEOUS
ı	1'	ONE FOOT	M.O.	MASONRY OPENING
	1"	ONE INCH	No. or Nr.	NUMBER
	1/4" 14"	ONE QUARTER INCH	o.c.	ON CENTER
١	8d	a prince	O/H	OVERUE AD
ı	oa -	8 PENNY	O/H	OVERHEAD
	BM	BEAM	OHD	OVERHEAD DOOR
				OVERHEAD DOOR
	BM	BEAM	OHD	OVERHEAD DOOR
	BM B.O.	BEAM BY OTHERS	OHD PLYWD.	OVERHEAD DOOR PLYWOOD
	BM B.O. BO1	BEAM BY OTHERS BOTTOM	OHD PLYWD. P/T	OVERHEAD DOOR PLYWOOD PRESSURE TREATED
	BM B.O. BOI CLG	BEAM BY OTHERS BOTTOM CEILING	OHD PLYWD. P/T REINF.	OVERHEAD DOOR PLYWOOD PRESSURE TREATED REINFORCING (ED)
	BM B.O. BOI CLG CO	BEAM BY OTHERS BOTTOM CEILING CLEANOUT	OHD PLYWD. P/T REINF. REQ'D RM.	OVERHEAD DOOR PLYWOOD PRESSURE TREATED REINFORCING (ED) REQUIRED
	BM B.O. BOI CLG CO	BEAM BY OTHERS BOTTOM CEILING CLEANOUT CONCRETE	OHD PLYWD. P/T REINF. REQ'D RM.	OVERHEAD DOOR PLYWOOD PRESSURE TREATED REINFORCING (ED) REQUIRED ROOM
	BM B.O. BOI CLG CO CON	BEAM BY OTHERS BOTTOM CEILING CLEANOUT CONCRETE CLEANOUT TO GRADE	OHD PLYWD. P/T REINF. REQ'D RM. RO.	OVERHEAD DOOR PLYWOOD PRESSURE TREATED REINFORCING (ED) REQUIRED ROOM ROUGH OPENING
	BM B.O. BOI CLG CO CON COI DBI	BEAM BY OTHERS BOTTOM CEILING CLEANOUT CONCRETE CLEANOUT TO GRADE DOUBLE	OHD PLYWD. P/T REINF. REQ'D RM. RO.	OVERHEAD DOOR PLYWOOD PRESSURE TREATED REINFORCING (ED) REQUIRED ROOM ROUGH OPENING SQUARE FEET
	BM B.O. BOI CLG CO CON COI DBI	BEAM BY OTHERS BOTTOM CEILING CLEANOUT CONCRETE CLEANOUT TO GRADE DOUBLE DIMENSION	OHD PLYWD. P/T REINF. REQ'D RM. RO. SF	OVERHEAD DOOR PLYWOOD PRESSURE TREATED REINFORCING (ED) REQUIRED ROOM ROUGH OPENING SQUARE FEET SLIDING GLASS DOOR
	BM B.O. BOI CLG CO CON COI DBI DIM DN.	BEAM BY OTHERS BOTTOM CEILING CLEANOUT CONCRETE CLEANOUT TO GRADE DOUBLE DIMENSION DOUN	OHD PLYWD. P/T REINF. REQ'D RM. RO. SF SGD SHT.	OVERHEAD DOOR PLYWOOD PRESSURE TREATED REINFORCING (ED) REQUIRED ROOM ROUGH OPENING SQUARE FEET SLIDING GLASS DOOR SHEET

WATERCLOSET (TOILET)

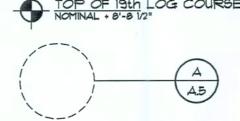
FRENCH (DOORS)

FOUNDATION

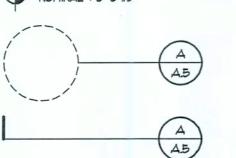
#### SYMBOLIS THESE SYMBOLS ARE MOST OFTEN ENCOUNTITERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSISION PLANS, SECTIONS & STRUCTURAL PLOLANS

# +/- 0'-0" TOP OF SUB-FLOOR

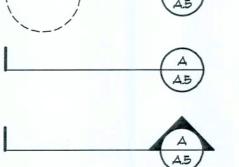
TYPE OF E ELEVATION MARK USED TO INDICA ATE A PREFERRED TARGET ELEVATIOION - TRUE MEASUREMENT.



TYPE OF E ELEVATION MARK USED TO INDICA ATE THE TOP OF A LOG WALL STAYACK - NOMINAL ONLY.



TYPE OF E DETAIL MARK USED TO INDICA ATE A SECTION OR DETAIL ASSOCIATITED WITH A PLAN VIEW



TYPE OF E DETAIL MARK USED

TO INDICA ATE A SECTION 10: SECTION ", "A" ON SHEET "A5", TAIL INDICATES DIRECTION OF VIEW

TYPE OF & SECTION MARK USED TO INDICA ATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW IE: SECTION ", "A" FOUND ON "D.6a" OF THE PROJIUECT MANUAL

DESCRIBBED IN THE COLUMN SCHEDULE

LOCATED D BELOW CURRENT LEVEL

LOCATED ) ABOVE CURRENT LEVEL

INDICATES FOOTING TYPE "A", DESCRIBBED IN THE FOOTING SCHEDULE INDICATES POST/COLUMN TYPE "I",

INDICATES POST/COLUMN TYPE "I",

INDICATES POST/COLUMN TYPE "2",

INDICATES: S POST/COLUMN TYPE "2" LOCATED > OVER TYPE "1" POST/COLUMN

## TERMITE PROTECTION NOTES:

## SOIL CHEMICAL BARRIER METHOD:

1. A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 10426 2. CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0"

AWAY FROM BUILDING SIDE WALLS. FBC 1503.4.4 3. IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-O" FROM BUILDING SIDE WALLS.

4. TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8"

THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1403.16 5. INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1816.1.1 6. SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED

INCLUDING SPACES BOXED OR FORMED. FBC 1816.12 1. BOXED AREAS IN CONCRETE FLOOR FOR SUBSEQUENT INSTALLATION OF TRAPS, ETC., SHALL BE MADE WITH PERMANENT METAL OR PLASTIC FORMS. PERMANENT FORMS MUST BE OF A SIZE AND DEPTH THAT WILL

ELIMINATE THE DISTURBANCE OF SOIL AFTER THE INITIAL TREATMENT. FBC 1816.13 8. MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION. IF RAINFALL OCCURS BEFORE VAPOR RET-

ARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1816.1.4 9. CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1816.15 10. SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE

OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1816.16 11. AN EXTERIOR VERTICAL CHEMICAL BARRIER MUST BE INSTALLED AFTER CONSTRUCTION IS COMPLETE INCLUDING LANDSCAPING AND IRRIGATION. ANY SOIL DISTURBED AFTER THE VERTICAL BARRIER IS APPLIED, SHALL BE RETREATED. FBC 1816.16

12. ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC |8|6.1.7

13. A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPART-MENT BY # LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONS-UMER SERVICES". FBC 1816.1.7

14. AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-O" OF THE BUILDING, THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2303.13

15. NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2303.1.4

# FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF'R/MODEL	CAP.
TRUSS TO WALL:	SIMPSON H2.5a	535#
GIRDER TRUSS TO POST/HEADER: HEADER TO KING STUD(S):	SIMPSON LGT, W/ 28 - 16d NAILS SIMPSON ST22	1785# 1370#
PLATE TO FOUNDATION:	5/8" + THRU-BOLT	3340*
PORCH BEAM TO POST: PORCH POST TO FND:	SIMPSON PC44/EPC44	1700#
MISC. JOINTS	SIMPSON ABU44 SIMPSON A34	2200# 315#/240

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

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

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

"SEMCO" PRODUCT APPROVAL: MIAMI/DADE COUNTY REPORT \*95-0818.15

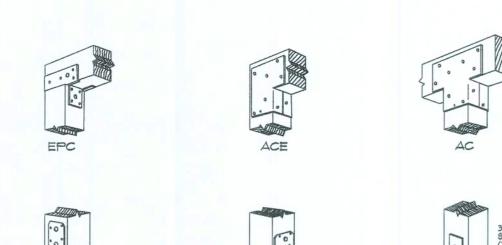
"SIMPSON" PRODUCT APPROVALS: MIAMI/DADE COUNTY REPORT \*91-0101.05, \*96-1126.11, \*99-0623.04 SBCCI NER-443, NER-393

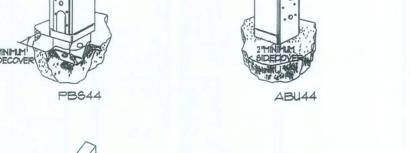
## GENERAL NAILING SCHEDULE:

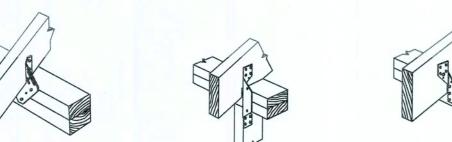
CONNECTION	COMMON NAILS	Nr. / SPACING
BRIDGING TO JOIST, TOE NAIL 2" SUBFLOOR TO JOIST,	160	2 EA, END
BLIND & FACE NAILING SOLE PLATE TO JOIST OR BLOCKING	16d	2
FACE NAILED TOP OR SOLE PLATE TO STUD	160	16" O.C.
END NAILED	16d	2
STUD TO SOLE PLATE, TOE NAILED	80	3 OR 2 16d
DOUBLE STUDS, FACE NAILED	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAILED TOP PLATES - LAPS & INTERSECTION		16" O.C.
FACE NAILED  X 6 SHEATHING TO EACH POINT	160	2
OF BEARING, FACE NAILED BUILT-UP CORNER STUDS, FACE	8d	2
NAILED	16d	30" O.C.
BUILT-UP GIRDERS & BEAMS	2 <i>0</i> d	32" O.C. @ TOP & BOTTO  & STAGGERED  2 @ EA. END  & @ SPLICES
3/4" PLYWOOD SUBFLOORING	8d	6" O.C. @ EDG 10" O.C. @
OSB SHEATHING, 7/16" THICK	8d	INTERMEDIATE 6" O.C. @ EDG 10" O.C. @
1/8" FIBERBOARD SHEATHING	6d	INTERMEDIATE 3" O.C. @ EDG 6" O.C. @ INTERMEDIATE

- A. NAILS, BOLTS AND OTHER METAL CONNECTORS WHICH ARE USED IN LOCATIONS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR OTHERWISE CORROSION RESISTANT.
- B. IN GENERAL, NAILS SHALL PENETRATE THE SECOND MEMBER A DIS-TANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERETO, OR GREATER
- C. THERE SHALL BE NOT LESS THAN 2 NAILS PER CONNECTION.
- D. GLUING SHALL NOT BE CONSIDERED AN ACCEPTABLE CONNECTOR IN LIEU OF THOSE SPECIFIED HEREIN.
- E. FORMED METAL CONNECTORS, AS PER THE SCHEDULE HEREIN, SHALL HAVE THE NUMBER OF NAILS INSTALLED AS REQUIRED BY THE MANUFACTURER, OR AS DIRECTED BY THE PLANS.
- F. NAILS PROJECTING BEYOND THE LAST WOOD MEMBER SHALL BE CLINCHED, WHEREVER POSSIBLE.
- G. NOTES IN THE "PLANS" PACKAGE OF THE CONSTRUCTION DOCUMENTS SUPERSEDE SIZES & SPACINGS OF NAILS CONTAINED HEREIN.

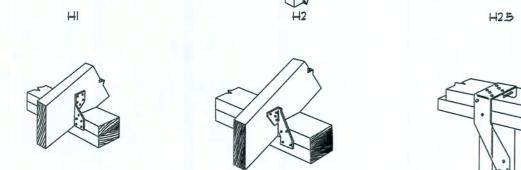
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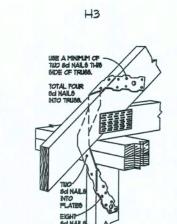




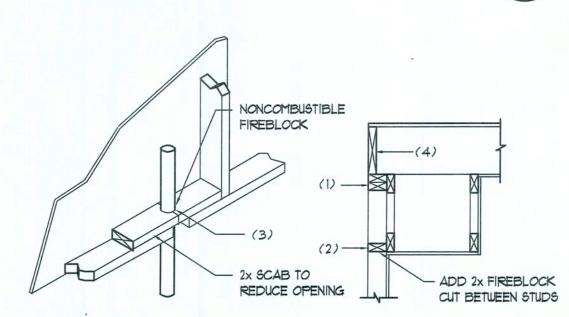


CB OR LCB









PENETRATIONS

FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THE FOLLOWING LOCATIONS:

SPACES AT CEILING AND FLOOR LEVELS. 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.

1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FURRED

3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT" 4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR

PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY

OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH

Stopping DETAILS

OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.



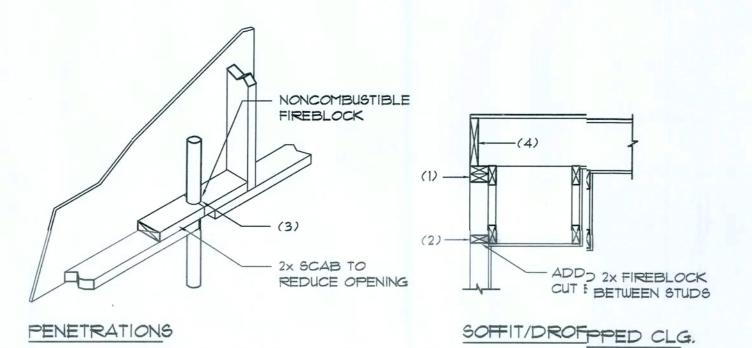


SOFFIT/DROPPED CLG.

FASTEN TOP PLATE WITH 16d NAILS AT L.V.L. BEAM, Do. NOTITE + 8'-1"
TOP OF WALL PLATE 12" O.C., TYPICAL T.O. — - CONSTRUCT EXTERIOR WALKS U 2 TOP PLATES & 1 SILL PLATE, 2X4 STUDS @ 16" Of., A CHORED W/ THRU-BOLT SYSTEM CONNECTORS @ 44" Oc. - SHEATH WALL W/ 1/16" OSB, APPLIED W/ 8d COMMON NAILS @ 4" O.C. ALONG EDGES \$ 8" O.C. ALONG INTERMEDIATE SUPPORTS \_\_\_\_\_ TR-1 WOOD TRUSSISES AS PER SHOP DRAWINGS @ 24" O.C. TR-2 WD. TRUSSES AS PER TR-2 WD. BRUSSES AS PER SHOP DWAS a 24" O.C. SHOP DUES @ 24" OC. 48 LF RIDGE VENT 7'-1" DBL. 2X HEADER PER F/A.5 - 16 LOC. ----2 - 1 3/4" × 11 1/4" 2.0E MICRO=LAM L.V.L BEAM, EXTEND TOP PLY OF WALL PLATE FULL LENGTH, LAP MIN. 32" TO ADJOINING WALL, ASSEMBLE W/ 16d NAILS @ 12" O.C., STAGGERED TOP & BOTTOM OF BEAM, EACH SIDE - 3 LOC. -ANCHOR TR-1 TRUSS,SES W/ "SEMCO" ANCHOR BEAM TO END POSTS W/ HDPT2 STRAPS \$ 6 , - 10" NAILS "SIMPSON" EPC44 2X4 SUB-FASCIA, TYYPICAL @ ALL TRUSS EAVES & GAE,BLE ENDS

# Roof Framing PLAN

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



## FIREBLOCKING NOTES:

FIREBLOCKING SHALL BE INSTALLED IN WOOD FRAME CONSTRUCTION IN THELE FOLLOWING LOCATIONS:

- 1. IN CONCEALED SPACES OF STUD WALLS AND PARTITIONS INCLUDING FUTURRED SPACES AT CEILING AND FLOOR LEVELS.
- 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, EETC.
- 3. AT OPENINGS AROUND VENTS, PIPES, DUCTS, CHIMNEYS AND FIREPLACEES AT CEILING AND FLOOR LEVELS WITH "PYROPANEL MULTIFLEX SEALANT"
- 4. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL STUD WALL OR PARTITION SPACES AND CONCEALED SPACES CREATED BY AN ASSEMBLY OF FLOOR JOISTS, FIREBLOCKING SHALL BE PROVIDED FOR THE FULL DEPTH

## Fire Stopping DETAILS

OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

SCALE: NONE

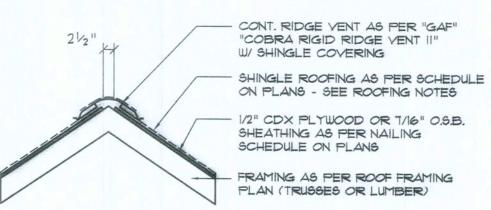


ALL PENETRATIONS OF THE TOP PLATE OF ALL LOAD BEARING WALLS SHALL BE SEALED WITH FIRE RETARDANT CAULKING, INCLUDING WIRING, PLUMBING OR OTHER SUCH PENETRATIONS. WALLS OVER 8'-0" TALL SHALL HAVE CONTINUOUS BLOCKING TO LIMIT CAVITY HEIGHT TO 8'-0". PENETRATIONS THROUGH SUCH BLOCKING SHALL BE TREATED IN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

SHEATH ROOF W/ 1/2" CDX PLYWOOD PLACED W/ LONG DIMENSION PERPENDICULAR TO THE ROOF TRUSSES, SECURE TO FRAMING W/ 8d NAILS - AS PER DETAIL ON SHEET A.5

THE DESIGN WIND SPEED FOR THIS PROJECT IS 110 MPH PER 2001 FBC 1606 AND LOCAL JURISDICTION REQUIREMENTS

AREA OF ATTIC	REQ'D LF. OF VENT	NET FREE AREA OF INTAKE
1600 SF	20 LF	410 SQ.IN.
1900 SF	24 LF	490 SQ.IN.
2200 SF	28 LF	570 SQ.IN.
2500 SF	32 LF	650 SQ.IN.
2800 SF	36 LF	730 SQ.IN.
3100 SF	40 LF	820 SQ.IN.
3600 SF	44 LF	900 SQ.IN.



MIAMI/DADE PRODUCT APPROVAL REPORT: \*98-0113.05



## FRAMING ANCHOR SCHEDULE

APPLICATION
TRUSS TO WALL:
GIRDER TRUSS TO POST/HEADER:
HEADER TO KING STUD(S):
PLATE TO STUD:
STUD TO SILL:
PORCH BEAM TO POST:
PORCH POST TO FND .:

MANUF'R/MODEL	CAP.
SEMCO HDPT2, W/6 - 10d NAILS SIMPSON LGT, W/28 - 16d NAILS SIMPSON ST22 SIMPSON SP2 SIMPSON SP1	960# 1785# 1370# 1065# 585#
SIMPSON PC66/EPC66 SIMPSON ABU66 SIMPSON A34	1700* 2300* 315*/240

REVISION

Copyrigh 2009 N.P. Geiler, Architect

DRAWN:

MISC. JOINTS

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

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

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

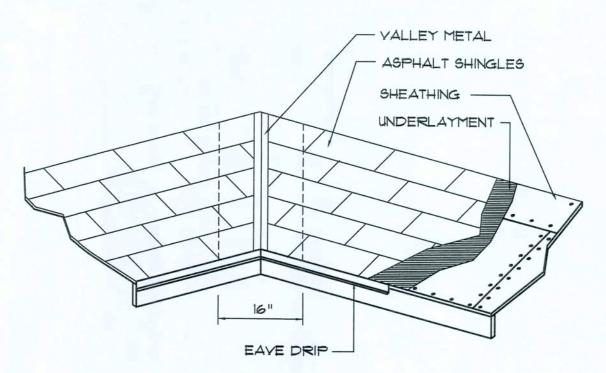
"SEMCO" PRODUCT APPROVAL:

MIAMI/DADE COUNTY REPORT #95-0818.15

"SIMPSON" PRODUCT APPROVALS: MIAMI/DADE COUNTY REPORT \*97-0107.05, \*96-1126.11, \*99-0623.04 SBCCI NER-443, NER-393

## WOOD STRUCTURAL NOTES

- TEMPORARY BRACING OF THE STRUCTURE DURING ERECTION, REQUIRED FOR SAFE AND STABLE CONSTRUCTION, SHALL BE THE SOLE RESPON-SIBILITY OF THE CONTRACTOR SO ENGAGED, TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDE-LINES OF THE "TRUSS PLATE INSTITUTE".
- 2. ALL TRUSSES SHALL BE DESIGNED BY A LICENSED PROFESSIONAL ENGINEER & SHALL BE SIGNED AND SEALED BY SAME, TRUSS DESIGN SHALL INCLUDE PLACEMENT PLANS, TRUSS DETAILS, TRUSS TO TRUSS CONNECTIONS & THE STANDARD SPECIFICATIONS & RECOMMENDATIONS OF INSTALLATION OF THE "TRUSS PLATE INSTITUTE".
- 3. WOOD STUDS IN EXTERIOR WALLS & INTERIOR BEARING WALLS SHALL BE NOT LESS THAN Nr.2 HEM-FIR OR BETTER
- 4. CONNECTORS FOR WOOD FRAMING SHALL BE GALVANIZED METAL OR BLACK METAL AS MANUFACTURED OR AS CALLED FOR IN THE PLANS AND BE OF A DESIGN SUITABLE FOR THE LOADS AND USE INTENDED. REFER TO THE JOINT REINFORCEMENT SCHEDULE FOR PRINCIPLE CON-NECTIONS.

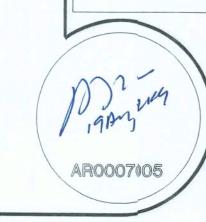


YALLEY FLASHING

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGH
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	@@IT9	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	<i>0.0</i> 2T		4Ø 2Ø

# Roofing/Flashing DETS.





DATE:

COMM

SHEET:

01 AUG 2009

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#### GENERAL NOTES:

- I. THE CONTRACTOR SHALL INDEMNIFY THE OWNER AGAINST ALL CLAIMS, WHETHER FROM PERSONAL INJURY OR PROPERTY DAMAGE ARISING FROM EVENTS ASSOCIATED WITH THE WORK PERFORMED UNDER THE CONTRACT FOR THIS PROJECT.
- 2. THE CONTRACTOR AND/OR SUB-CONTRACTORS SHALL WAR-RANT ALL WORK FOR A PERIOD OF ONE YEAR FOLLOWING THE DATE OF FINAL COMPLETION AND ACCEPTANCE BY THE OWNER. DEFECTS IN MATERIALS, EQUIPMENT, COMPONENTS AND WORK-MANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
- 3. AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURE-POSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
- 4. THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE YAR-IOUS AUTHORITIES HAVING JURISDICTION OVER THIS PROJECT BE THEY CITY, COUNTY, STATE OR FEDERAL.
- THE OWNER SHALL FILE A "NOTICE OF COMMENCEMENT" PRIOR TO THE BEGINNING THE THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNER" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
- ANY AND ALL DISPUTES ARISING FROM EVENTS ASSOCIATED WITH THE CONSTRUCTION OF THIS PROJECT BETWEEN THE OWNER, CONTRACTOR(S) AND SUPPLIERS SHALL BE RESOLVED THROUGH BINDING ARBITRATION.
- ALL WORK SHALL BE IN ACCORDANCE W/ APPLICABLE CODES AND LOCAL REGULATIONS, INCLUDING APPLICABLE ENERGY CODES. ALL COMPONENTS OF THE BUILDING SHALL MEET WITH THE MINIMUM ENERGY REQUIREMENTS OF THE BUILDING CODE. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT IN WRITING PRIOR TO THE COMMENCEMENT OF THE WORK.
- ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABLES LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
- 9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESSURE TREATED.
- 10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COM-PLIANCE WITH "UL Design U333", BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
- INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GAR-AGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.
- 12. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOYE SHALL BE 5/8" FIRECODE "C" GWB ON IX3 WOOD FURRING AT 16" O.C., ATTACHED W/ 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

#### AS - BUILT DRAWING REQUIREMENTS:

- A. ELECTRICAL "AS-BUILT" DRAWINGS ELECTRICAL CONT'R SHALL PREPARE "AS-BUILT" SHOP DWGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NS TO THE ELEC. PLAN RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT Nr., DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA, SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY.
- B. H.V.A.C. "AS-BUILT" DRAWINGS H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL H.Y.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONT'R SHALL PROVIDE I COPY OF AS-BLT. DWGS TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY.
- PLUMBING "AS-BUILT" DRAWINGS PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONT'R SHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER AND I COPY TO THE PERMIT ISSUING AUTHORITY.

#### GENERAL MILWORK NOTES:

- MILLWORK 53-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FO. THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTES I IRU 6 OF THE GENERAL NOTES, THIS SHEET.
- SCOPE OF WRK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATIO AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE JOB; ITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE
- 3. ALL APPLICBLE STANDARDS OF "AWI QUALITY STANDARDS & GUIDE SPECIFICATING" APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
- 4. AWI "CUSTO" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWN, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THIS WOK.
- 5. MILLWORK 53-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE OLLOWING ITEMS, PRIOR TO FABRICATING ANY MAT'LS OR MILLWOR: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF WD. SPECIES REEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY EMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HADWARE SCHEDULE, SHOWING HARDWARE USED AT EA. LOCATION 4:ONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIES ISSUED BY THE OWNER.
- 6. PRODUCTS SALL INCLUDE THE FOLLOWING: SOFTWOOI - SOLID STOCK PINE, C OR BETTER HARDWOO - SPECIES AS SELECTED BY OWNER PLYWOODOPAQUE FINISH - FIR, GRADE A/B PLYWOODTRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER PARTICLBOARD - HIGH DENSITY, W/ RESIN BINDER LAM. PLASIC - MFG, COLORS, PATTERNS & TEXTURES AS SELECTED BY OILER LAMINATIN ADHESIVES - POLYVINYL ACETATE, UREA-
- ASSEMBLE WRK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INSOFAR AS OSSIBLE.

FORM, DEHYDE, CASEIN

- 8. PROTECT MILWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOB SIT UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECTEDROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR NSTALLATIC
- 9. FABRICATE DRK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITI
- 10. INSTALL HARWARE IN ACCORDANCE WITH MANUFR'S DIRECTIONS. LEAVE OPERTING HARDWARE OPERATING SMOOTHLY & QUIETLY.
- 11. DAMAGED STACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PRTION OF THE WORK

#### GENERAL H.A.C. NOTES:

- SUB-CONTRATORS PROVIDING HVAC INSTALLATION SHALL BE SUB-JECT TO THEROVISIONS OF NOTES I THRU 6, GENERAL NOTES/D.la.
- HYAC SUB-CNTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND QUIPMENT TO INSTALL A COMPLETE & OPERATING HYAC SYSTEM.
- 3. HYAC SYSTE SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BAS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HYAC SUB-CNTRACTOR
- 4. HYAC SUB-CNTRACTOR SHALL FURNISH SHOP DWGS FOR DUCTWORK, CONDENSINGINIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
- 5. IT IS THE HYD SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-90A AD ALL APPLICABLE CODES.

6. FLEXIBLE DUT SHALL BE FULLY ANNEALED, CORRUGATED ALUM-

LISTED. SHEE METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT LINER & WRAPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION. ALL FIBERGIAGO DUCT SHALL BE FOILFACED, R42/R6.0 DUCTBOARD.

INUM W/ 1 3/4 B. DENSITY FIBERGLASS INSULATION AND SHALL BE U.L.

- 7. ALL EXHAUSAND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACN STANDARDS.
- 8. ALL AIR DECES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CEILINGAPPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATION, ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, METALAIRE, NILORHART, HART & COOLIE OR AS DIRECTED BY THE
- 9. IF REQUIREDBY THE OWNER, THE HYAC SUB-CONTRACTOR SHALL SUPPLY A TET AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE CONCIL STANDARDS, SIGN AND SEALED BY A REGISTERED ENGINEER.
- 10. HYAC SUB-CNTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PRO-YIDE ALL SUCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APROYED BY THE EQUIPMENT MFG'R
- II. ALL DUCT SIES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENIONS.
- 12. ALL EQUIPMET SHALL BE FULLY WARRANTED FOR I YEAR AND THE COMPRESSO(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCIBY THE OWNER.
- 13. ALL WORK IN HIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO 3 TO AYOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
- 14. CONDENSATEDRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INLLATION.
- 15. FILTERS SHAL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRITANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 STS, ONE DURING CONSTRUCTION AND ONE FOR USE AT
- 16. HYAC SUB-CNTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS, TRASITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT N ADDITIONAL COST TO THE OWNER
- IT. IT IS THE REPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO CO-ORDINATE LCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD/ITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
- 18. COORDINATE!/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE Nr. 29, TO ASSRE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.

#### GENERAL PLUMBING NOTES:

- SUB-CONTRACTORS PROVIDING PLUMBBING MATERIALS AND INSTALL-ATION SHALL BE SUBJECT TO THE PRODVISIONS OF NOTES 1 THRU 6.
- 2. ALL WORKMANSHIP AND MATERIALS SHHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULEES AND ORDINANCES.
- 3. ALL MATERIALS SHALL BE NEW.
- 4. ALL WORK SHALL BE PREFORMED BY , A LICENSED PLUMBING CON-TRACTOR IN A FIRST CLASS WORKMANLILIKE MANNER THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL
- 5. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THEE PLUMBING SUB-CONTRACTOR'S
- 6. PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIA-GRAMATIC. DO NOT SCALE THE DRAWINNGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- 1. ALL WORK SHALL BE COORDINATED WIJITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
- WATER PIPING SHALL BE TYPE L COPFIPER UP TO 1", & TYPE K FOR ALL LARGER SIZES, ALL UNDERGROUND PIFPING SHALL BE TYPE K COPPER. AT THE OWNERS OPTION SUPPLY PIPINCIG MAY BE C.P.V.C., SCHEDULE 40 OR SCHEDULE 80.
- 9. DO NOT USE LEAD BASED SOLDER FOR JOINING SUPPLY PIPING.
- 10. SOIL, WASTE, VENT & RAINWATER PIPINGS SHALL BE CAST IRON NO-HUB 301-72 ABOVE GRADE WITH NEOPRENE E GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNERS OPTION, P.V.C., SCHEDULE 40, SEE NOTE 12.
- 1. AIR CONDITIONING CONDENSATE DRAINN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE ORR VENT PIPE AND FITTINGS, OR P.Y.C., SEE NOTE 12, BELOW. INSULATE ALLL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC ! HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.

2. P.Y.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE,

- VENT, RAINWATER OR CONDENSATE PIPPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS, P.V.C. MAY NOT BE USED TO PENETRATE CHASES OR FILIRE RATED WALLS / CEILINGS. 13. ALL FIXTURES MUST BE PROVIDED WITHH READILY ACCESSIBLE STOPS
- AND WHERE PROVIDED, MARKED ACCEESS PANELS.
- 14. FURNISH AND INSTALL APPROVED AIR ( CHAMBERS AT EACH PLUMBING FIXTURE AND APPROVED SHOCK ARRESTERS ON MAIN LINE OR RISERS.
- 15. DIELECTRIC COUPLINGS ARE REQUIREDD BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
- 16. ISOLATE COPPER PIPING FROM HANGEFERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
- 17. PROVIDE 1/2" TRAP PRIMER LINE FOR AALL FLOOR DRAINS FROM NEAR-EST PLUMBING FIXTURE, DO NOT MANIFOOLD.
- 18. PROVIDE ACCESS PANELS FOR ALL CO.ONCEALED VALVES.
- 19. PROVIDE COMBINATION COVERPLATE / / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THHE OWNER
- 20. FIXTURES, HARDWARE, EQUIPMENT, COLCORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

#### GENERAL WELL & SEPTIC NOTIFES

- 1. SUB-CONTRACTORS PROVIDING WATER ! WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TTO THE PROVISIONS OF NOTES 1 THRU 6, THIS SHEET
- 2. LOCATION OF POTABLE WATER WELLS SIGNALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL | DRILLING CONTRACTOR WELLS SHALL NOT BE LOCATED CLOSER THAN 1 15'-0" TO ANY PROPOSED OR EXISTING SEPTIC TANK OR DRAINFIELD, , EITHER ON SUBJECT PROPERTY OR ADJACENT/ADJOINING PROPERTY.
- 3. POTABLE WATER WELLS SHALL BE A MININIMUM 4" WITH BLACK IRON CASING TO A DEPTH OF 80'-0". PUMPS ( SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORRSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER, MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTEDD ON A P/T 4X4 POST AT THE WELL HEAD.
- 4. WELL HEAD SHALL PROJECT 12" ABOVE : GRADE.
- 5. ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-F-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF \ VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PURESSURE GAUGE.
- 6. PRESSURE TANK SHALL BE GALVANIZEDD 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
- 1. SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, INN CONSULTATION W/ THE OWNER
- 8. SEPTIC TANKS SHALL BE OF A SIZE & COONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. THANK MAT'L SHALL BE POURED CONCRETE OR FIBERGLASS AS ALLOWELD BY THE SEPTIC TANK PERMIT.
- 9. SEPTIC DRAINFIELDS SHALL BE CONSTRRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT, DRAILINFIELD PIPING SHALL BE CLAY TILE OR P.V.C. OR POLY AS ALLOWED BBY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHELED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMITIT
- 10. SAND FILTER BEADS, MOUND SYSTEMS, I DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, Sump PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUIRESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEAALTH DEPARTMENT.

#### ELECTRICAL NOTES: General

- 1. DO NOT SCALE THE ELECTRICAL DRAWINGS, REFER TO ARCHI-TECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFIRM WITH OWNER.
- 2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1997 EDITION, AND IT'S AMENDMENTS AS ADOPTED BY THE PERMIT ISSUING AUTHORITY AT THE TIME OF CONSTRUCTION.
- 3. GROUNDING: GROUND ALL MAIN DISCONNECTS TO STANDARD GROUND ROD(S) AND TO COLD WATER SUPPLY AS PER ARTICLE
- 4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW. TW. THUN, THAN OR NM CABLE, UNLESS NOTED OTHERWISE, ALL CONDUCTORS #10 & SMALLER MAY BE SOLID. ALL CONDUCTORS \*8 AND LARGER SHALL BE STRANDED TYPE.
- 5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPEN-INGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
- 6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL -WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
- INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES
- 8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, REST-ROOM, KITCHEN, GARAGE AND EXTERIOR RECEPTACLES AND AS NOTED ON THE DRAWINGS.
- 9. INSTALL ONLY THOSE ELECTRICAL DEVICES THAT BEAR A "UL" OR OTHER RECOGNIZED TESTING LAB LABEL. ALL MATERIALS SHALL BE NEW.
- 10. INSTALL NON-FUSED DISCONNECT SWITCHES AT ALL PIECES OF ELECTRICAL EQUIPMENT LOCATED WHERE SAID EQUIPMENT IS NOT VISIBLE FROM THE CIRCUIT BREAKER THAT PROTECTS IT: SIZE IN ACCORD WITH THE LOAD, ALL DISCONNECT SWITCHES SHALL BE H.P. RATED, HEAVY DUTY, QUICK-MAKE - QUICK-BREAK TYPE - ENCLOSURES SHALL BE AS REQ'D FOR EXPOSURE.
- MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVER-LOAD RELAYS IN EACH HOT LEG.
- 12. ISOLATE DISSIMILAR CONDUIT AND TUBING METALS FROM SOIL, WATER AND GAS PIPING AND OTHER BUILDING MATERIALS WHERE DAMAGE BY FRICTION OR ELECTROLYSIS MAY OCCUR, EXCEPT WHERE ELECTRICAL GROUND IS PROVIDED.
- 13. FURNISH AND INSTALL ALL ELECTRICAL DEVICES AND ITEMS REQUIRES FOR A COMPLETE, OPERATING SYSTEM, PROVIDING THE FUNCTIONS AS DETAILED IN THE PLANS (AND SPECS).
- 14. OUTLET BOXES SHALL BE PRESSED STEEL OR PLASTIC OR ALL DRY LOCATIONS. FOR WET LOCATIONS, CAST ALLOY WITH THREADED HUB OUTLET BOXES SHALL BE INSTALLED.
- 15. HOT CHECK ALL SYSTEMS WITH THE OWNER'S REPRESENTATIVE PRESENT TO VERIFY PROPER FUNCTION PRIOR TO C.O.
- 16. COORDINATE ALL WORK THROUGH GC TO AYOID CONFLICTS. CO-ORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE
- 17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 700-12F.
- 18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTI-FIED A TO WHAT IS INCLUDED ON SAID CIRCUIT.
- 19. IT IS NOT THE INTENT OF THESE DRAWINGS TO SHOW EVERY MINOR DETAIL OF THE CONSTRUCTION.
- 20. THE ELECTRICAL INSTALLATION SHALL MEET ALL STANDARD REQUIREMENTS OF THE POWER COMPANY & TELEPHONE COMPANY.
- 21. FURNISH AND INSTALL DISCONNECT SWITCHES AND WIRING FOR HYAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HYAC CONTRACTOR, AND CONNECTED BY THE ELECTRICAL CONTRACTOR.
- 22. ALL RACEWAYS BELOW GROUND SHALL BE A MINIMUM OD 3/4".
- 23. ALL CIRCUIT BREAKERS, TWO AND THREE POLE, SHALL BE COMMON TRIP. NO TIE HANDLES OR TANDEMS SHALL BE ACCEPTABLE.
- 24. ALL FUSES, UNLESS NOTED OTHERWISE ON THE DRAWINGS, SHALL BE CURRENT LIMITED TYPE (CL.) RATED 200,000 AIC.
- 25. ELECTRICAL CONTRACTOR SHALL VERIFY ALL COMPONENTS FOR ALL ELECTRICAL APPLICATIONS & DETERMINE THE CORRECTNESS OF SAME, ANY DISCREPANCY SHALL BE REPORTED TO THE OWNER PRIOR TO FABRICATING ANY MATERIALS, ORDERING COMPONENTS OR DOING ANY WORK
- 26. CIRCUITS ON PANEL SCHEDULE (AND PLANS) ARE TO DETERMINE LOAD DATA AND SIZE, THE CONTRACTOR SHALL PROVIDE CIR-CUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
- 21. CHECK EQUIPMENT FOR PROPER VOLTAGE, PHASE AND AMPERAGE RATING PRIOR TO CONNECTION TO CIRCUITS.
- 28. PANEL BOARDS SHALL BE CIRCUIT BREAKER TYPE, VERIFY
- NUMBER AND SIZES OF CIRCUITS.
- 29. WHEN CONDUIT RUNS EXCEED 200 FEET, PULL BOXES SHALL BE INSTALLED SO THAT NO PULL EXCEEDS THIS DISTANCE.
- 30. ELECTRICAL EQUIPMENT AIC RATING AND FEEDER SIZE SHOWN ON THE PLANS ARE DESIGNED FOR MAX, AVAILABLE FAULT CURRENT AND MAX. ALLOWABLE VOLTAGE DROP, RESPECTIVELY.

DESIGN VALUES/LOADS & CODES

#### WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

FOOTING DESIGN IS BASED UPON 1000PSF SOIL BEARING PRESSURE PRO-YIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS ie: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL

BY SHAPE FACTORS APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2004 FLORIDA BUILDING CODE

LIFE SAFETY: NFPA-101 - LATEST

#### CONSTRUCTION DOCUMENTS

THE CUSTOMER IS RESPONSIBLE FOR DELIVERING THE REQUIRED SETS OF CONSTRUCTION DOCUMENTS TO THE PERMIT ISSUING AUTHORITIES, FOR THE ISSUANCE OF CONSTRUCTION PERMITS. THE CONTRACTOR SHALL REVIEW THE CONSTRUCTION DOCUMENTS AND VERIFY ALL DIMENSIONS. ANY DIS-CREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRACATION OF ANY MATERIALS.

#### DO NOT SCALE OFF THESE PLANS

AMPLE DIMENSIONS ARE SHOWN ON THE PLANS TO LOCATE ALL ITEMS. SIMPLE ARITHMETIC MAY BE USED TO DETERMINE THE LOCATIONS OF THOSE ITEMS NOT DIMENSIONED.

#### CHANGES TO FINAL PLAN SETS

PLEASE DO NOT MAKE ANY STRUCTURAL CHANGES TO THESE PLANS WITHOUT CONSULTING WITH THE ARCHITECT. THE OWNER SHALL ASSUME ANY AND ALL LIABILITY FOR STRUCTURAL DAMAGE RESULTING FROM CHANGES MADE TO THE PLANS OR BY SUBSTITUTION OF MATERIALS DIFFERENT FROM

INORGANIC ARSENICAL PRESSURE TREATED WOOD SOME FRAMING MATERIALS SPECIFIED FOR THE CONSTRUCTION OF YOUR EACH PIECE IS CLEARLY MARKED FOR EASY IDENTIFICATION AND IS USUALLY GREENISH IN COLOR

THIS WOOD HAS BEEN PRESERVED BY PRESSURE-TREATMENT WITH AN EPA-REGISTERED PESTICIDE CONTAINING INORGANIC ARSENIC TO PROTECT IT FROM INSECT ATTACK AND DECAY, EXPOSURE TO TREATED WOOD MAY PRESENT CERTAIN HAZARDS, THEREFORE, PRECAUTIONS SHOULD BE TAKEN BOTH WHEN HANDLING THE TREATED WOOD AND IN DETERMINING WHERE TO USE OR DISPOSE OF THE TREATED WOOD.

FOR FURTHER INFORMATION ON THE USE OF AND DISPOSAL OF INORGANIC

#### General Roofing NOTES:

ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

## IS REQUIRED.

UNDERLAYMENT: UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226,

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:

#### FASTENERS:

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

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

#### UNDERLAYMENT APPLICATION:

- 1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO
- 2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT
- FOR ROOF SLOPED 4:12 AND GREATER, UNDERLAYMENT SHALL BE A MINIMUM OF ONE LAYER OF UNDERLAYMENT FELT APPLIED AS FOLLOWS: STARTING AT THE EAVE, UNDERLAYMENT SHALL BE APPLIED SHINGLE

## SUFFICIENTLY TO STAY IN PLACE.

- AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 15073.92. ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE IS
- 3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING: I. BOTH TYPES I AND 2 ABOVE, COMBINED. 2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND

PROJECT INFORMATION / NOTES:

SOIL DESIGN STATEMENT:

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 30PSF, ROOF: AS DETERMINED

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST

REQUIRE FOUNDATION MODIFACATIONS.

SPECIFICATION ON THE PLANS.

PROJECT SUCH AS SILLS OR EXTERIOR FRAMING ARE PRESSURE TREATED.

ARSENIC PRESSURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

DECK REQUIREMENTS:

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

TYPE 1, OR ASTM D 4869, TYPE 1.

#### SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

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

FOR ROOF SLOPES FORM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:

STAY IN PLACE. SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED

#### BASE AND CAP FLASHINGS:

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

#### VALLEYS:

VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED. 1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE

2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES OF MINERAL SURFACE INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.

COMPLYING WITH ASTM D 224. 3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1970.

REVISION

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"AS-BUILT" FIELDIOTES	
	IN-RESIDENCE SHELTER
	GENERAL NCOTES
	CONCRETE:     A. ALL CONCRETE SHALL HAVE STONE AGGREGATE (NORMAL WEIGHT). 28-
	DAY COMPRESSSIVE STRENGTH (fc) SHALL BE 3000 PSI MINIMUM FOR CAST-IN-PLACE CONCERETE.  B. REINFORCING BARS SHALL BE MILD STEEL WITH A MINIMUM
	YIELD STRENG3TH OF 60 KSI. C. REINFORCING 3 BAR PROTECTION:
	2. CONCRETE PLACED IN FORMS
	1. CONCRETE: A. ALL CONCRETTE SHALL HAVE STONE AGGREGATE (NORMAL WEIGHT). 28-DAY COMPRES SSIVE STRENGTH (fc) SHALL BE 3000 PSI MINIMUM FOR CAST-IN-PLACE CONCICRETE. B. REINFORCING BARS SHALL BE MILD STEEL WITH A MINIMUM YIELD STRENG TH OF 60 KSI. C. REINFORCING BAR PROTECTION: 1. CONCRETE PLACED AGAINST EARTH
	2. #5 BARS
	G. FIELD WELDINGG OF REINFORCEMENT IS NOT PERMITTED. H. ALL REINFORCCING BAR BENDS SHALL BE MADE MECHANICALLY. HEAT-
	BENDING IS NO <sub>OT PERMITTED.</sub> 2. MASONRY:
	2. MASONRY: A. MASONRY UNITITS SHALL DEVELOP ULTIMATE COMPRESSIVE STRENGTH (fm) OF 1500 PSI AT † 28-DAYS. B. MORTAR TO BEE TYPE M OR S PER ASTM C270-97 C. REINFORCING & BARS SHALL BE MILD STEEL WITH A MINIMUM YIELD STRENG & THO F 60 KSI. D. REINFORCING & BAR PLACEMENT TOLERANCE IS 1/2" IN ANY DIRECTION. E. SPLICING OF REINFORCEMENT IS NOT PERMITTED EXCEPT AS SHOWN ON THE DRAWININGS. SPLICE LENGTHS AS FOLLOWS: 1. #4 BARS
	C. REINFORCING & BARS SHALL BE MILD STEEL WITH A MINIMUM YIELD STRENG TH OF 60 KSI. D. REINFORCING & BAR DI ACEMENT TO ERANCE IS 1/2" IN ANY DIRECTION
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in puri	A. FRAMING LUMBBER TO HAVE MODULUS OF ELASTICITY = 1,200,000 PSI MIN. AND Fb = 850 PSI MIN. FOR NORMAL DURATION LOADING.
- lic c	LUMBER INCLUIJDE #2 AND BETTER SOUTHERN PINE, DOUGLAS FIR, HEM-FIR, AND SPRUCE-PINE-FIR.
mithout :	<ul> <li>3. WOOD: <ul> <li>A. FRAMING LUMBBER TO HAVE MODULUS OF ELASTICITY = 1,200,000</li> <li>PSI MIN. AND Fbb = 850 PSI MIN. FOR NORMAL DURATION LOADING.</li> <li>EXAMPLES OF ACCEPTABLE GRADE AND SPECIES OF FRAMING</li> <li>LUMBER INCLUIJDE #2 AND BETTER SOUTHERN PINE, DOUGLAS FIR, HEM-FIR, AND SSPRUCE-PINE-FIR.</li> </ul> </li> <li>B. PLYWOOD TO BBE RATED SHEATHING SPAN RATING 24/16, MIN. 23/32 THICCKNESS.</li> <li>C. ALL WOOD SILL L PLATES TO BE .40 CCA P.T. LUMBER</li> <li>D. NAILS TO BE CCOMMON WIRE NAILS.</li> </ul>
doi	4. COLD-FORMED (L'LIGHT GAUGE) SHEATHING:
	<ol> <li>COLD-FORMED (L'LIGHT GAUGE) SHEATHING:</li> <li>A. YIELD STRENGGTH FOR METAL IS 36 KSI MINIMUM.</li> <li>B. ALL METAL SHALL BE G60 GALVANIZED BY THE MANUFACTUREER.</li> </ol>
mit pia	5. THE CONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS AND QUANTITIES F PRIOR TO STARTING CONSTRUCTION.
Corporate Corpor	6. THE CONSTRUCTICION DRAWINGS SHALL NOT BE SCALED. DIMENSIONS APPLY.
8 8	<ol> <li>IF THERE IS A CONNELICT AMONG THE GENERAL NOTES, SPECIFICATIONS, AND PLANS, THE ORDEER OF PRECEDENCE IS NOTES, THEN SPECIFICATIONS, THEN PLANS.</li> </ol>
for use	
in part	8. THE CONSTRUCTICION DRAWINGS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTORS IS SOLELY RESPONSIBLE FOR PROVIDING ALL MEASURES NECESSARY TO ENSURE THAT THE STRUCTURE IS PROTECTED DURING CONSTRUCTION. THESE MEASURES INCLUDE (BUT ARE NOT LIMITED TO) SHORING AND BRACING FOR CONSTRUCTION LOADS AND WORKER SAFETY PURPOSES.
and	
in a second in a s	<ul> <li>10. FOLLOW MANUFACCTURER'S RECOMMENDATIONS FOR NAILING REQUIREMENTS O'DF UPLIFT/SHEAR RESISTANCE CONNECTORS.</li> <li>11. ALL PLYWOOD JOINTS SHOULD BE SOLIDLY BLOCKED W/2X4'S</li> </ul>
- reprod	12. WALL & CEILING PENETRATIONS THROUGH THE MISSILE PROTECTION SHEÆATHING ARE TO BE MINIMIZED
copied o	13. CONDUIT & OTHERR VERTICAL RUNS IN WALLS SHOULD BE COLLECTED AND RUN IN THE CCHASE.
pes ,	14. DO NOT DRILL THRROUGH WALL STUDS OR TOP AND BOTTOM PLATES FOR PLUMBING SUUPPLY LINES OR VENTS. INSTALL ALL PLUMBING SUPPLY LINES ANGID VENTS IN PLUMBING CHASE.
ay vot t	SUPPLY LINES ANCID VENTS IN PLUMBING CHASE.
and and a second a	15. VENTILATION IS TOO BE PROVIDED IN ACCORDANCE WITH THE LOCAL BUILDING CODE. VIVENTILATION MAY BE EITHER NATURAL OR MECHANICAL SUCH THAT MINIMUM VENTILATION IS .5 AIR CHANGES / HOUR.
	<ol> <li>THE DESIGNS SHO'OWN ARE COMPLIANT WITH THE 1997 NEHRP RECOMMENDED PROVISIONS.</li> </ol>
of the	17. TO ENSURE THE SISHELTER PROVIDES THE DESIRED LEVEL OF PROTECTION, A PROFESSIONAL L ENGINEER OR ARCHITECT MUST BE CONSULTED FOR ANY DESIGN CONDITIOONS FOUND TO BE DIFFERENT FROM THOSE REPRESENTED BY THESE PLANS.;
2	18. SEE SHEETS 13 ANNO 14 OF 14 FOR THE MATERIAL LIST FOR EACH SHELTER DESIGN.
90	19. TO OBTAIN AN EQUUILVALENT LEVEL OF PROTECTION, SHELTER DESIGNS NOT MEETING THEE SPECIFIC REQUIREMENTS OF THE DESIGNS IN THESE PLANS SHOULD BE DESIGNED TO MEET THE "NATIONAL PERFORMANCE CRITERIA FOR TODRNADO SHELTERS" AVAILABLE AT THE FEMA WEBSITE AT http://www.fema.gov.y/library/npc_ts.htm. THE "NATIONAL PERFORMANCE CRITERIA FOR TORNADO SHHELTERS" ALSO PROVIDES GUIDANCE ON DESIGNING LARGER, PUBLIC SHELTERS.
of services	CRITERIA FOR TODRNADO SHELTERS" AVAILABLE AT THE FEMA WEBSITE AT http://www.fema.gov.y/library/npc_ts.htm. THE "NATIONAL PERFORMANCE CRITERIA FOR TORNADO SHHELLTERS" AT SO PROVIDES GUIDANCE ON DESIGNING LARGER
	PUBLIC SHELTERS S.  20. THE DOORS SHOWN IN THESE PLANS WERE LABORATORY-TESTED FOR DEBRIS
so instruction	20. THE DOORS SHOWWN IN THESE PLANS WERE LABORATORY-TESTED FOR DEBRIS IMPACT FOR DOODR WIDTHS FROM 2'-6" TO 3'-0". FEMA STRONGLY ENCOURAGES INDIVIDUALS TO UUSE A MINIMUM DOOR WIDTH OF 2'-8" FOR WHEELCHAIR ACCESS.
drawings,	DESIGN BASISS
These of	LIVE LOADS USED 5 IN DESIGN:     A. WIND PRESSURRES DEVELOPED FROM 250-MPH 3-SEC. PEAK GUST IN ACCORDANGCE WITH ASCE 7-95.  B. WINDBORNE DE
	B. WINDBORNE DEERIS (MISSILE) IMPACT LOADS CREATED BY A 15-LB. 2X4
	B. WINDBORNE DEBRIS (MISSILE) IMPACT LOADS CREATED BY A 15-LB. 2X4 TRAVELING HORIZONTALLY AT 100 MPH, TRAVELING VERTICALLY AT 67 MPH, AND IMPACTING NORMAL TO WALL SURFACE.
	2. SOIL BEARING CAPPACITY OF 2000 PSF MIN. HAS BEEN ASSUMED.
	(3) HING
	(0)111146

# RESIDENCE SHELTER

## RAL NCOTES

- CONCRETTE SHALL HAVE STONE AGGREGATE (NORMAL WEIGHT). 28-COMPRESSIVE STRENGTH (fc) SHALL BE 3000 PSI MINIMUM FOR CAST-

  - FORCING 5 BAR PLACEMENT TOLERANCE IS 1/2" IN ANY DIRECTION. ICING OF REINFORCEMENT IS NOT PERMITTED EXCEPT AS SHOWN THE DRAWIVINGS. BARS SHALL BE LAP SPLICED AT ALL CORNERS. CE LENGTITHS AS FOLLOWS:
  - 5 BARS . DED WIRE E REINFORCEMENT: LAP ONE AND ONE-HALF MESH SPACES
- SPLICES ANNO WIRE IN CONTACT.

  LD WELDINGG OF REINFORCEMENT IS NOT PERMITTED.

  REINFORCCING BAR BENDS SHALL BE MADE MECHANICALLY. HEAT-DING IS NOOT PERMITTED.
- SONRY UNITITS SHALL DEVELOP ULTIMATE COMPRESSIVE STRENGTH (fm)
- 500 PSI AT 7 28-DAYS. RTAR TO BEE TYPE M OR S PER ASTM C270-97 NFORCING & BARS SHALL BE MILD STEEL WITH A MINIMUM
- STRENG TH OF 60 KSI. NFORCING S BAR PLACEMENT TOLERANCE IS 1/2" IN ANY DIRECTION. ICING OF REINFORCEMENT IS NOT PERMITTED EXCEPT AS SHOWN HE DRAWININGS. SPLICE LENGTHS AS FOLLOWS:
- IZONTAL THRELLIS (WIRE) REINFORCEMENT INSTALLED AT EVERY ER COURSEE: LAP ONE AND ONE- HALF MESH SPACES AT SPLICES
- MING LUMBBER TO HAVE MODULUS OF ELASTICITY = 1,200,000 MIN. AND Fb-850 PSI MIN. FOR NORMAL DURATION LOADING. AMPLES OF & ACCEPTABLE GRADE AND SPECIES OF FRAMING ABER INCLUIDE #2 AND BETTER SOUTHERN PINE, DOUGLAS FIR, A-FIR, AND SSPRUCE-PINE-FIR.
  WOOD TO BBE RATED SHEATHING SPAN RATING 24/16,
- 23/32 THICKNESS. WOOD SILL L PLATES TO BE .40 CCA P.T. LUMBER S TO BE CCOMMON WIRE NAILS.
- FORMED (L'LIGHT GAUGE) SHEATHING: LD STRENGGTH FOR METAL IS 36 KSI MINIMUM. METAL SHAALL BE G60 GALVANIZED BY THE NUFACTUREER.
- ONTRACTOR SHALL VERIFY AND COORDINATE ALL DIMENSIONS UANTITIES F PRIOR TO STARTING CONSTRUCTION.
- NSTRUCTICION DRAWINGS SHALL NOT BE SCALED. DIMENSIONS APPLY.
- RE IS A CONNELICT AMONG THE GENERAL NOTES, SPECIFICATIONS, AND THE ORDER OF PRECEDENCE IS NOTES, THEN SPECIFICATIONS, THEN
- NSTRUCTICION DRAWINGS REPRESENT THE FINISHED STRUCTURE. NTRACTORR IS SOLELY RESPONSIBLE FOR PROVIDING ALL MEASURES SARY TO ENNSURE THAT THE STRUCTURE IS PROTECTED DURING RUCTION. THESE MEASURES INCLUDE (BUT ARE NOT LIMITED TO)
- / MANUFACCTURER'S RECOMMENDATIONS FOR NAILING EMENTS OF UPLIFT/SHEAR RESISTANCE CONNECTORS.
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- ATION IS TO BE PROVIDED IN ACCORDANCE WITH THE LOCAL NG CODE. VIVENTILATION MAY BE EITHER NATURAL OR MECHANICAL HAT MINIMUUM VENTILATION IS .5 AIR CHANGES / HOUR.
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- ORS SHOWWN IN THESE PLANS WERE LABORATORY-TESTED FOR DEBRIS T FOR DOODR WIDTHS FROM 2'-6" TO 3'-0". FEMA STRONGLY ENCOURAGES DUALS TO UUSE A MINIMUM DOOR WIDTH OF 2'-8" FOR WHEELCHAIR ACCESS.

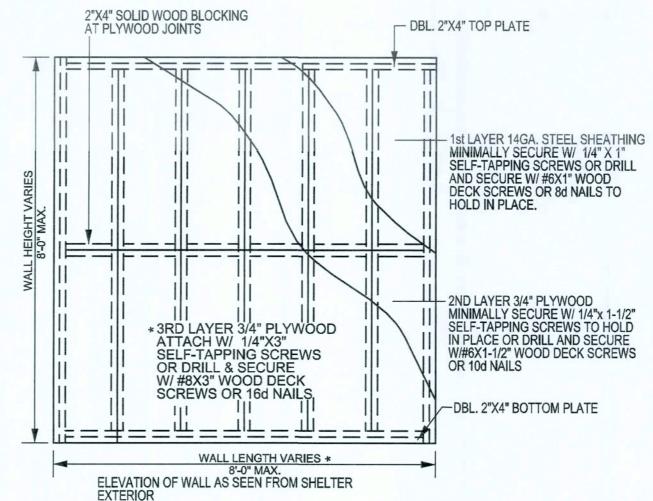
## BASISS

- JADS USED 5 IN DESIGN:

  JD PRESSURRES DEVELOPED FROM 250-MPH 3-SEC. PEAK GUST
- DBORNE DEEBRIS (MISSILE) IMPACT LOADS CREATED BY A 15-LB, 2X4 VELING HORRIZONTALLY AT 100 MPH, TRAVELING VERTICALLY AT 67 MPH, IMPACTINGG NORMAL TO WALL SURFACE.
- ARING CAPPACITY OF 2000 PSF MIN. HAS BEEN ASSUMED.



## 5 ATTACHMENT SCHEDULE



## 1 PLYWOOD SHEATHING ATTACHMENT PATTERN SCALE: 1/2"=1'-0"

1.\*ATTACHMENT SCHEDULE VARIES BASED ON WALL LENGTH SEE TABLE FOR ATTACHMENT SCHEDULE 5 2. INSTALL PLYWOOD HORIZONTALLY MINIMUM UNBROKEN WALL LENGTH IS 3'-6"

## **CONNECTOR SCHEDULE**

LOCATION	REQUIRED UPLIFT CAPACITY (lbs)	SIMPSON STRONG-TIE	SEMCO	KANT-SAG
Α	375	H7	RTPGA814	RT20
В	375	LSTA15	RTP20812	LSTA15
С	1,700	H6	TPP4	SP2
D	1,900	PAHD42	RTP42	PAHD42
Е	1,000	SP4	TPP4	SP2
F	1,700	H6	TPP4	SP2
G	1,700	H6	TPP4	SP2
Н	1,700	PAI18		PA18

NOTES:

BECAUSE NOT ALL CONTRACTORS ARE FAMILIAR WITH THE TYPE OF STRUCTURAL CONNECTORS SHOWN IN THESE DRAWINGS, THE NAMES OF SOME COMPANIES THAT MANUFACTURE CONNECTORS HAVE BEEN INCLUDED IN THIS TABLE, THE LIST OF COMPANIES IS NOT, HOWEVER, EXHAUSTIVE. ADDITIONALLY, THIS LIST IS NOT INTENDED TO EXPRESS A PREFERENCE FOR THOSE MANUFACTURERS AND/OR THEIR PRODUCTS BY THE UNITED STATES GOVERNMENT NOR IS IT AN ENDORSEMENT OF THOSE MANUFACTURERS AND/OR THEIR PRODUCTS,

SHEATHING

INSTALL ON

(3) RESIDENTIAL STANDARD.

QUALITY MORTISED DEADBOLTS WITH 3/8" MIN.

LOCATE OPPOSITE HINGES

DIA. PINS W/ 1" THROW

6" MAX.

STANDARD -LOCK SET

3 DOOR ATTACHMENT DET'S

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

TO HINGE-

(3) HINGES

EITHER SIDE)

20GA. SKIN

CORE

0 0 0 0 0

1 DOOR - SHEET METAL

14 ATTACHMENT PATTERN

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

W/ HONEYCOMB

\* ALTERNATIVE DOOR: 14GA, SKIN

W/20 GA. METAL RIBS, HONEYCOMB CORE OR POLYSTYRENE IN-FILL (NO EXTRA ARMOR PLATING

-ATTACH 14GA, STEEL SHEATHING

TO DOOR W/ 1/4"X1-1/4" SELF-TAPPING

SCREWS W/ HEXAGON WASHER HEADS ATTACH @ 6" O.C. ALONG PERIMETER AND 12" O.C. IN FIELD

## **ABBREVIATIONS**

- A.B. ANCHOR BOLT CMU - CONCRETE MASONRY UNIT
- CONC.- CONCRETE
- DBL. DOUBLE DIA. - DIAMETER E.W. - EACH WAY
- GYP. GYPSUM ICF - INSULATING CONCRETE FORMS
- MAX MAXIMUM MH. - MANHOLE
- MIN. MINIMUM N.T.S. - NOT TO SCALE
- O.C. ON CENTER P.T. - PRESSURE TREATED
- REQD.- REQUIRED S.F. - SQUARE FOOT SYP - SOUTHERN YELLOW PINE
- TYP. TYPICAL
- WWF WELDED WIRE FABRIC W/ - WITH

#### LIMIT OF LIABILITY:

The designs in this booklet are based on extensive research of the causes and effects of windstorm damage to buildings. Shelters designed and built to these designs should provide a high degree of occupant protection during severe windstorms (hurricanes and tomadoes.) Any substitution of either materials or design concepts may decrease the level of occupant protection and/or increase the possibility of personal injury during a severe wind event.

Because it is not possible to predict or test all conditions that may occur during severe windstorms, or control the quality of construction, among other things, the designer does not warrant the design.

The designer neither manufactures nor sells shelters built from

GA. - GAUGE

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this design. The designers have not made and do not make any representation, warranty, or covenant, express or implied, with respect to the design, condition, quality, durability, operation, fitness for use, or suitability of the shelter in any respect whatsoever. Designers shall not be obligated or liable for actual, incidental, consequential, or other damages of or to users of shelters or any other person or entity arising out of or in connection with the use, condition, and/or performance of shelters built from this design or from the maintenance thereof.

DATE

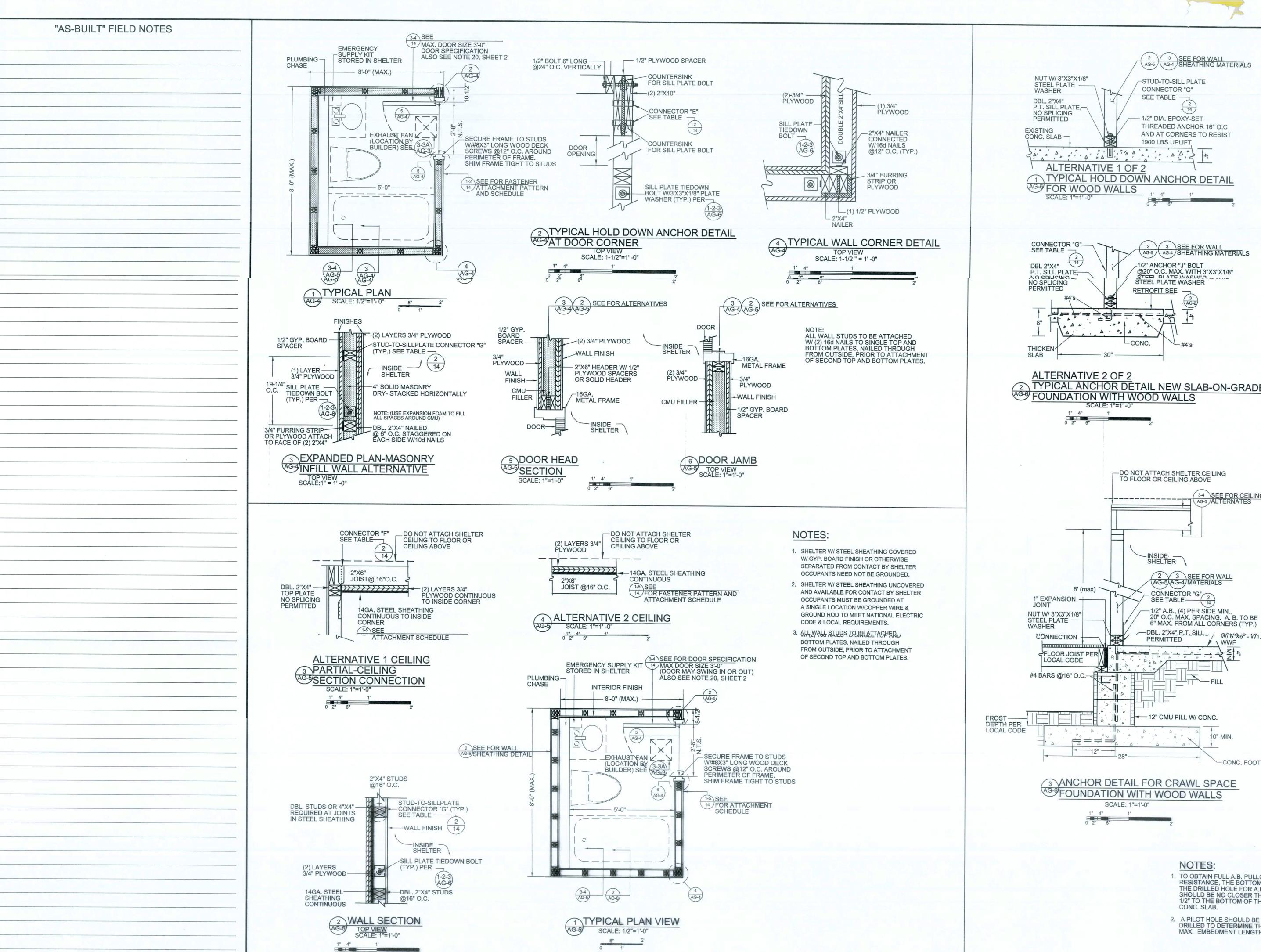
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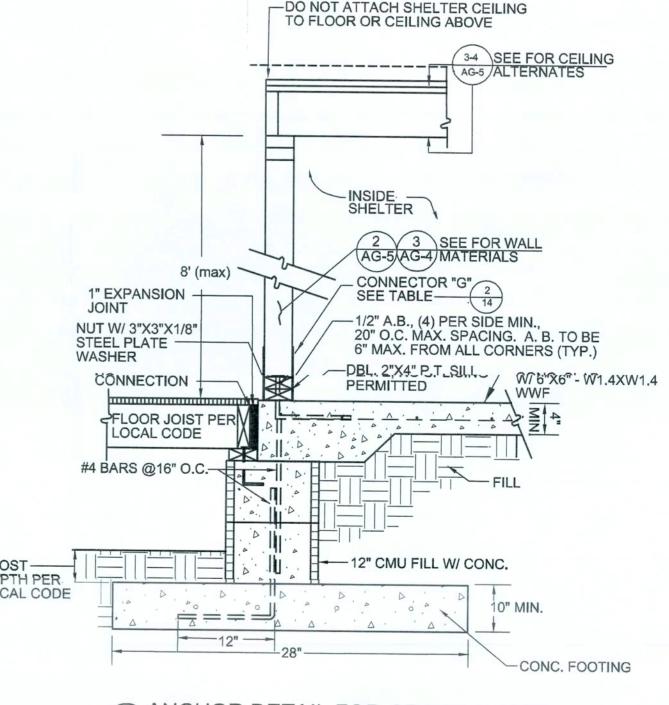
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TYPICAL ANCHOR DETAIL NEW SLAB-ON-GRADE



- 1. TO OBTAIN FULL A.B. PULLOUT RESISTANCE, THE BOTTOM OF THE DRILLED HOLE FOR A.B. SHOULD BE NO CLOSER THAN 1/2" TO THE BOTTOM OF THE
- DRILLED TO DETERMINE THE MAX. EMBEDMENT LENGTH.

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