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Custom Residential Plan for:  
**Chambers Contracting**  
"Chelsea" Model "B"  
Columbia County, Florida

Drawing Index

C&I	COVER SHEET, DRAWING INDEX	A5	GENERAL STRUCTURAL INFORMATION
A1	BUILDING ELEVATIONS & WINDOW DETAILS	A6	FOUNDATION PLAN & DETAILS
A2	FLOOR PLAN & ELECTRICAL DATA	A7	WALL SECTION & FRAMING DETAILS
A3	DIMENSION PLAN & OPTIONAL INTERIOR TRIM DETAILS	A8	ROOF PLAN & ROOFING DETAIL
A4	ARCHITECTURAL DETAILS	A9	GENERAL CONSTRUCTION NOTES

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609,  
FLORIDA BUILDING CODE, 2001 EDITION.

BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	I = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- 0.18
WINDS PER TABLE 1609.2A (FBC 2001) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADDING PER TABLES 1609.2B & 1609.2C (FBC 2001) DESIGN WIND PRESSURES:	OPNGS: + 21.8 / - 23.1 PSF EAVES: - 60.3 PSF ROOF: + 19.3 / - 25.5 PSF



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MODEL HOME "CHELSEA - B" for:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
COVER SHEET

**NG**  
NICHOLAS  
PAUL  
GEISLER  
ARCHITECT  
N.C.A.A.B. Certified  
1700 N.W. Brown Rd.  
Lake City, FL 32809  
386-719-9301

DATE:

21 OCT 2009

OWNER:

2K946b

SHEET:

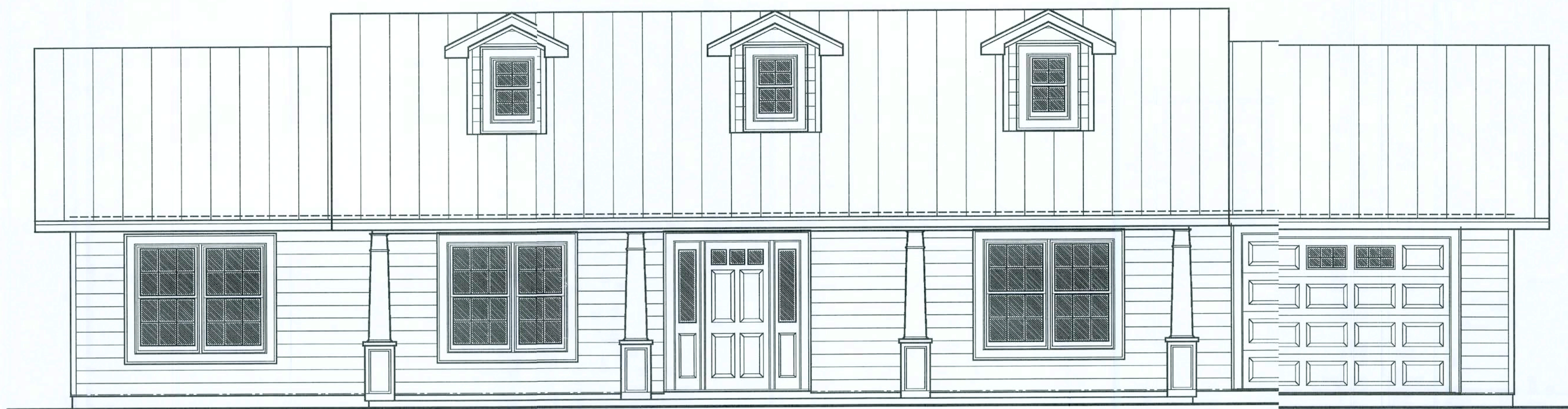
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1 OF 1

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## FRONT ELEVATION

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



## REAR ELEVATION

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



## LEFT SIDE ELEVATION

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



## RIGHT SIDE ELEVATION

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

NOTE:  
SIDES AND REAR ELEVATIONS INCLUDING GABLE ENDS MAY  
BE AS SHOWN (HARDIEBOARD ON FLYWOOD SHEATHING), OR  
5/8" T1-11 REVERSE BOARD & BATTEN PLYWOOD W/ PAINTED FINISH  
OVER HOUSE WRAP APPLIED DIRECTLY TO THE STUDS.

### EXTERIOR FINISH MATERIALS:

1. CONT. RIDGE VENT TO MATCH ROOFING
2. METAL ROOFING AS SELECTED BY OWNER
3. MTL. FLASHING ON 1X6 CYPRRESS FASCIA  
W/ PREFINISHED METAL COVER
4. PORCH POST - SEE PLANS FOR TYPE
5. ENTRY DOOR, STYLE AS SELECTED  
BY THE OWNER - PAINTED FINISH
6. HARDIE BOARD SIDING - COLOR, STYLE  
AS SELECTED BY THE OWNER
7. CONCRETE PORCH DECK, W/ WOOD FLOAT  
FINISH & TOOLED EDGES
8. SINGLE HUNG ALUMINUM WINDOWS W/  
DBL. GLAZING, AS SELECTED BY OWNER
9. SLIDING GLASS PATIO DOOR W/ DBL. GLAZING  
AS SELECTED BY OWNER
10. RAISED PANEL OVER HEAD GARAGE DOOR  
W/ 4 VISION LITES, AS SHOWN

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

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

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 541

WINDOW SCHEDULE			
MARK	DESCRIPTION	INSTALLATION	MODEL
2830	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 650 -
3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 650 -
2-3050	SINGLE HUNG ALUM. SASH W/ INSUL. GLASS	1" ROOFING NAILS - 5 PER FLANGE, MAX. 18" O.C.	SERIES 650 -

ALL WINDOWS ARE INSULATED AND WEATHERSTRIPPED AS MANUFACTURED 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.

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

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

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 541

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MODEL HOME "CHELSEA - B" for:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
ELEVATIONS

**NICHOLAS  
GEISLER**  
ARCHITECT  
NCARB CERTIFIED

DATE:

17 OCT 2009

CODE:

2K946b

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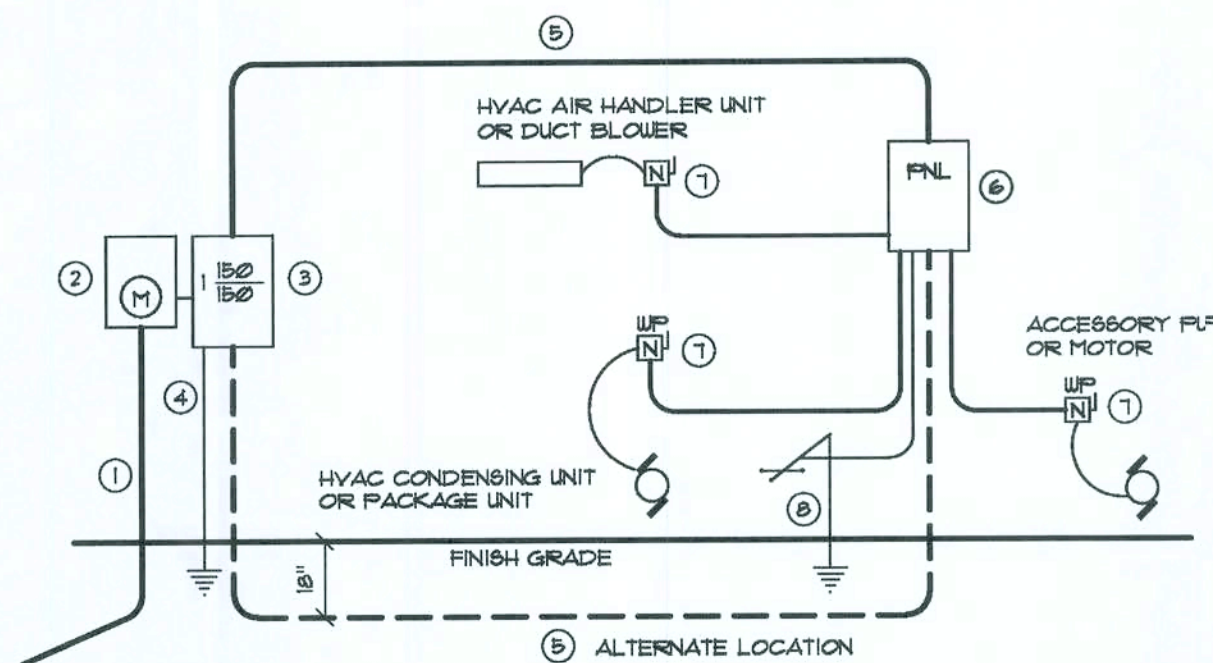
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1 OF 9

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- Service/Feeder Entrance Conductors: 2 1/2" 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 Device and Panel shall be allowed.
- Meter Enclosure, weatherproof, UL Listed.
- Main Disconnect Switch fused or Main BRKR, weatherproof, UL Listed.
- Service entrance Ground: 1/2" x 1/4" iron/steel rod, x 8'-0" long and/or concrete encased foundation steel rod x 20'-0" long. Grounding Conductor shall be bonded to each piece of Service Entrance Equipment, and shall be sized per item 5, below.
- 200 AMPERE SERVICE: 3-1/2" I.D. USE-Cu, 1-1/4" Cu-GND, 2 1/2" Conduit.
- House Panel (P.N.L.), UL Listed, sized per schedule.
- Equipment Disconnect Switch non-fused, in weatherproof enclosure, size according to Panel Schedule loads.
- Provide Ground Bond Wire to metal piping, size in accordance with the Service Ground Conductor.

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

## ELECTRICAL RISER DIAGRAM: 200A

SCALE: NONE

### ELECTRICAL PLAN NOTES

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

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

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

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

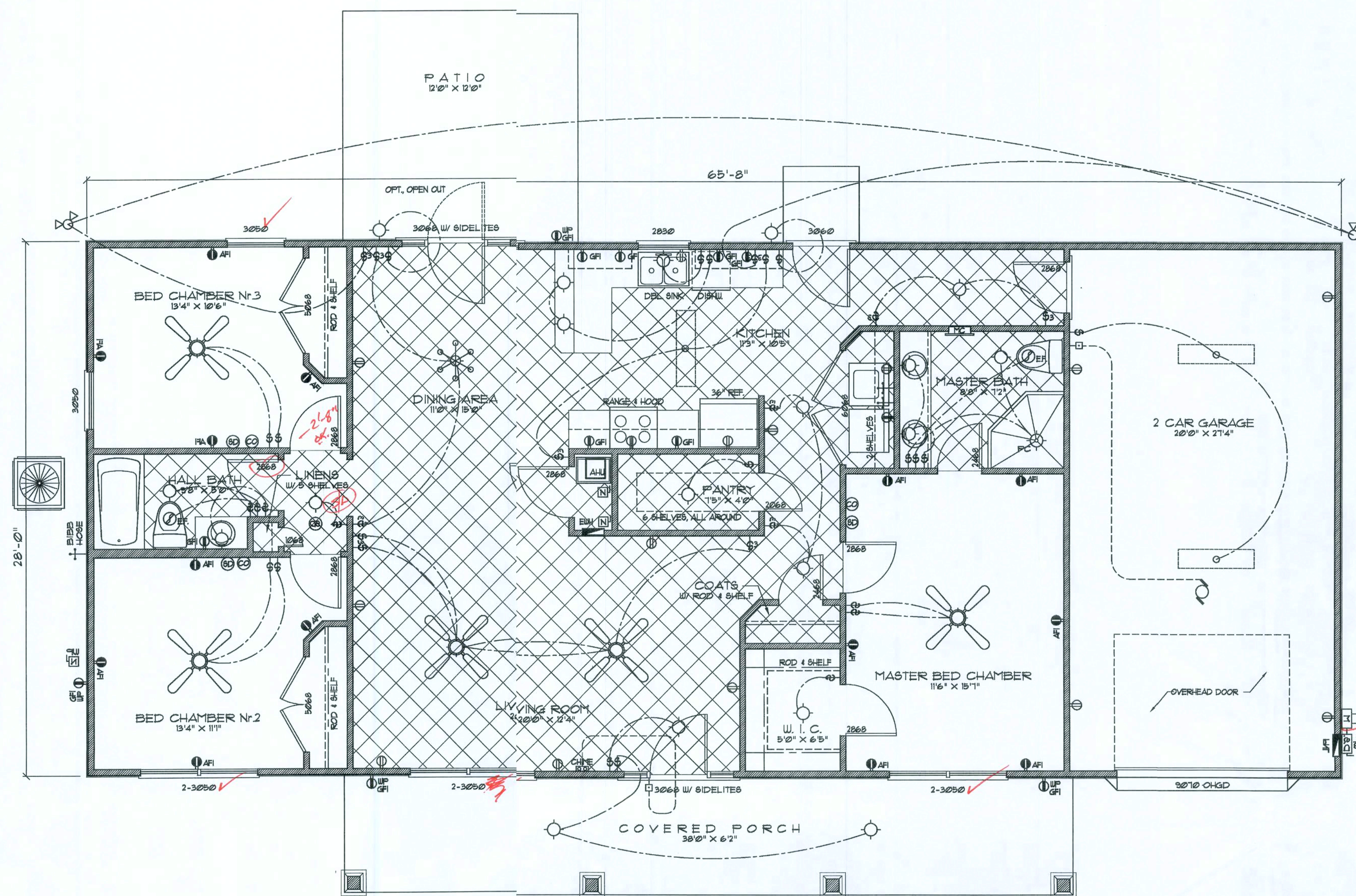
INSTALLATION SHALL BE PER NAT'L. ELECTRIC CODE.

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" ABV. FIN. FL., INTERLOCKED

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

ELECTRICAL CONTR. SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADDING TO THE ELEC. PLAN RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N°. DESCRIPTION & BRKR. SERVICE ENT & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS. CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.



## FLOOR PLAN

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

### Electrical SYMBOLS

- 1 SPST WALL SWITCH
- 2 DPDT WALL SWITCH (3-WAY)
- 3 DUPLEX WALL RECEPTACLE
- 4 DUPLEX WALL RECEPT. BELOW COUNTER
- 5 240V OUTLET
- 6 GND FAULT INTERRUPTER DUPLEX RECEPT.
- 7 WEATHER PROOF GFI DUPLEX RECEPT.
- 8 DUPLEX WALL RECEPTACLE, 1/2 SWITCHED
- 9 MOTOR
- 10 ELECTRICAL PANEL
- 11 EXHAUST FAN
- 12 DBL. LAMP INC. FLOOD LIGHT
- 13 CEILING FAN W/ INC. LIGHT FIXTURE
- 14 INC. LIGHT FIXTURE
- 15 SMOKE DETECTOR, 120V
- 16 4 TUBE FLU. PRISMATIC WRAP SURFACE FIXTURE
- 17 CHIME
- 18 MOMENTARY PUSHBUTTON SWITCH, LIGHTED
- 19 SWITCH/FIXTURE WIRING
- 20 CONTROL WIRE - LOW VOLTAGE
- 21 NON-FUSED DISC. SWITCH
- 22 TELEPHONE
- 23 TELEVISION OUTLET
- 24 HVAC THERMOSTAT, @ 60' AFF

### ELECTRICAL COMPUTATIONS

General Lighting/Receptacles @ 3w/sf			
2006.1 sf x 3w =	6020.1w		
Water Circuit	1500.0w		
Dishwasher Circuit	1500.0w		
Sm. Appliances @ Circuits (2 @ 1500w)	3000.0w		
Sub-Total	12020.1w		
1st 3kW @ 100%	3000.0w		
Bal. of kW @ 35%	3157.0w		
Fixed Appliances:			
Refrigerator	1200.0w		
Cig. Fans (6 @ 360w)	2160.0w		
Water Well Pump	1500.0w		
Spares (8 @ 400w)	3200.0w		
Sub-Total	8060.0w		
Load @ 15% DF.	6045.0w		
100% Demand Factor Loads:			
Inst. Hot EWH	9600.0w		
Dryer	5000.0w		
Range	8000.0w		
HVAC System (100kW Strip Heat)	10000.0w		
Total Demand Load:	44805.0w		

SERVICE SIZE: 44805.0w / 240v = 186.7 Amperes  
USE: 3 1/2" THW w/ 1 1/4" Cu GND / 2 1/2" C.

### PANEL SCHEDULE

PANEL "L": 200A - MLO - 120/240V - 1φ - 4 WIRE					
40 SLOT - FLUSH MOUNT					
Cir. Nr.	Location	Trip Poles	Wire Size	Load	
1-8	Lighting/Recept.	15A/1P	14NM	6020w	
9	Dishwasher	-	-	1500w	
10-11	Sm. Kit. Appliances	20A/1P	12NM	3000w	
12-13	Ceiling Fans	15A/1P	14NM	2100w	
14-16	EWH	100A/2P	3NM	9600w	
17	Refrigerator	15A/1P	14NM	1200w	
18	Spares	-	-	400w	
19-21	Water Well	50A/2P	6NM	8000w	
22-24	Dryer	30A/2P	10NM	5000w	
25-27	HVAC CU	40A/2P	8NM	4200w	
28-30	HVAC AHU	45A/2P	8NM	10000w	
31	Spares	-	-	400w	
32-34	Spares	-	-	2400w	
35-40	Spares	-	-	0w	
TOTAL CONNECTED LOAD:				51120w	

NOTE:  
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" AFF.

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N.P. Giesler, Architect

DRAWN:

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MODEL HOME "CHELSEA - B" for:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
**FLOOR PLAN**

**NICHOLAS GIESLER**  
ARCHITECT  
1105 BOWMAN ROAD  
SUITE 300  
GAINESVILLE, FL 32609  
TEL: 352-381-1111  
FAX: 352-381-1112

DATE:

21 OCT 2009

CODE:

2K946b

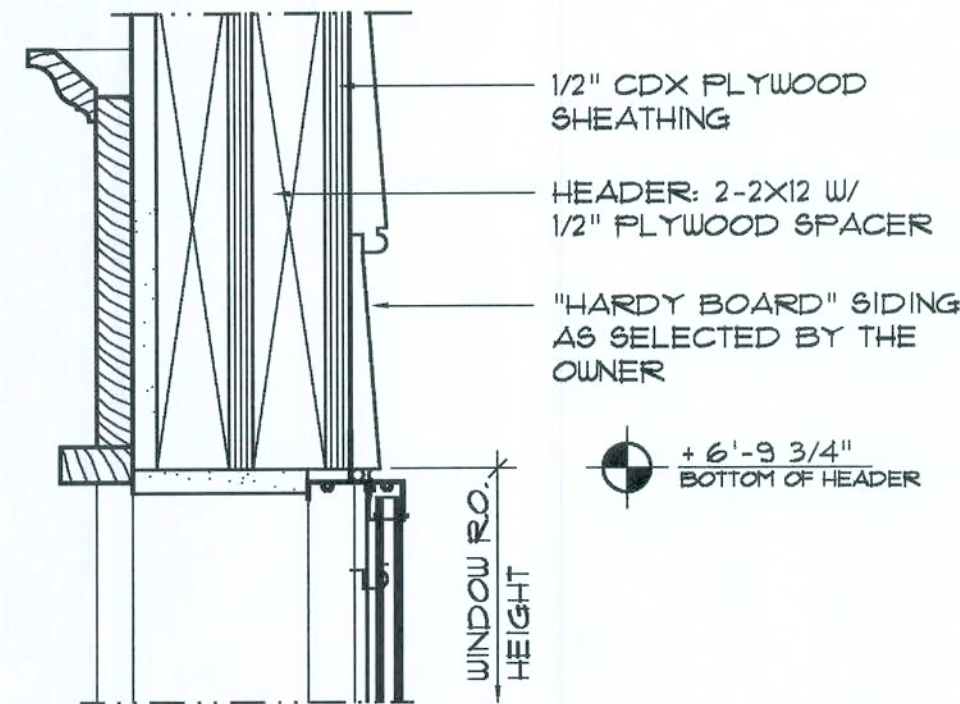
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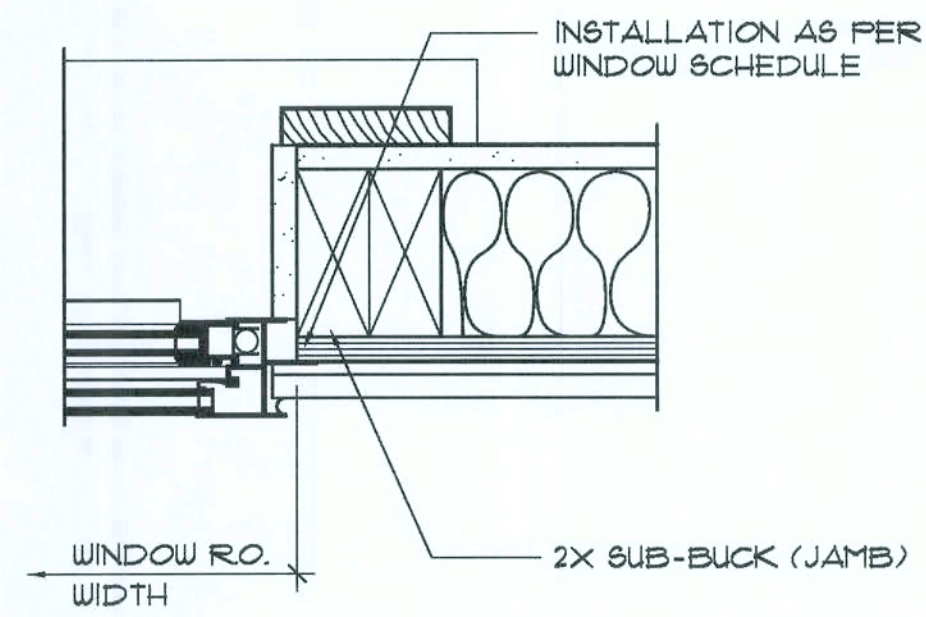
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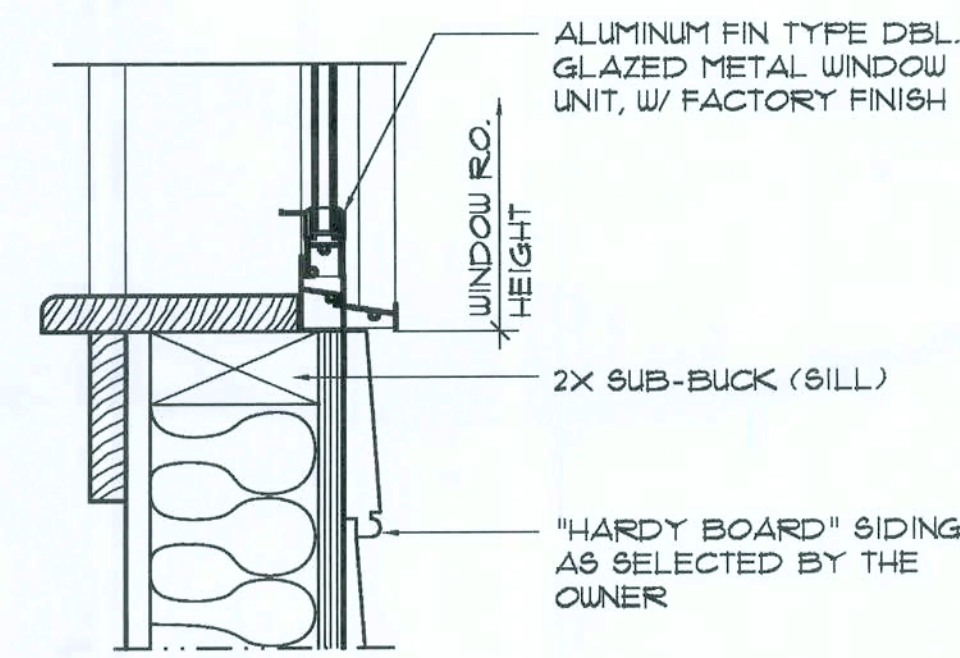




HEAD DETAIL  
WOOD SASH



JAMB DETAIL  
WOOD SASH



SILL DETAIL  
WOOD SASH

### Typical Window DET'S

SCALE: 3" = 1'-0"



Int. Wall Trim DETAIL

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

### AREA CALCULATION

GROSS LIVING AREA:	1429.2 SF	1429.2 SF <sub>F</sub>
GARAGE AREA (2 CAR / 1 CAR):	511.5 SF	409.5 SF <sub>F</sub>
FRONT COVERED PORCH AREA:	234.3 SF	234.3 SF <sub>F</sub>
REAR PATIO AREA:	144.0 SF	144.0 SF <sub>F</sub>
TOTAL AREA:	2385.0 SF	2217.0 SF <sub>F</sub>

### Dimension PLAN

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

#### NOTE!

ALL INTERIOR PARTITION WALLS ARE 3 1/2" THICK, UNLESS NOTED OTHERWISE.

#### NOTE!

ALL EXTERIOR WALLS ARE 2X4 STUDS W/ 1/2" THICK CDX PLYWD. SHEATHING (4")

### TEMPERED GLASS NOTES:

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

- GLAZING IN SWINGING DOORS AND FIXED AND SLIDING PANELS OF SLIDING (PATIO) DOOR ASSEMBLIES.
- 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 SURFACES.
- 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 2405.2(14).
- 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:
  - EXPOSED AREA OF AN INDIVIDUAL PANE GREATER THAN 9 SQ FT (824 M<sup>2</sup>).
  - BOTTOM EDGE LESS THAN 18 INCHES (457 MM) ABOVE THE FLOOR.
  - TOP EDGE GREATER THAN 36 INCHES (914 MM) ABOVE THE FLOOR.
  - ONE OR MORE WALKING SURFACES WITHIN 36 INCHES (914 MM) HORIZONTALLY OF THE PLANE OF THE GLAZING.

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N.J. Gesler, architect

DRAWN:

3d

MODEL HOME "CHELSEA - B" for:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
DIMENSION PLAN

**NICHOLAS GESLER ARCHITECT**  
1188 NW 86th Rd.  
Davie, FL 33317  
(954) 951-0501

DATE:

21 OCT 2009

COMM:

2K945b

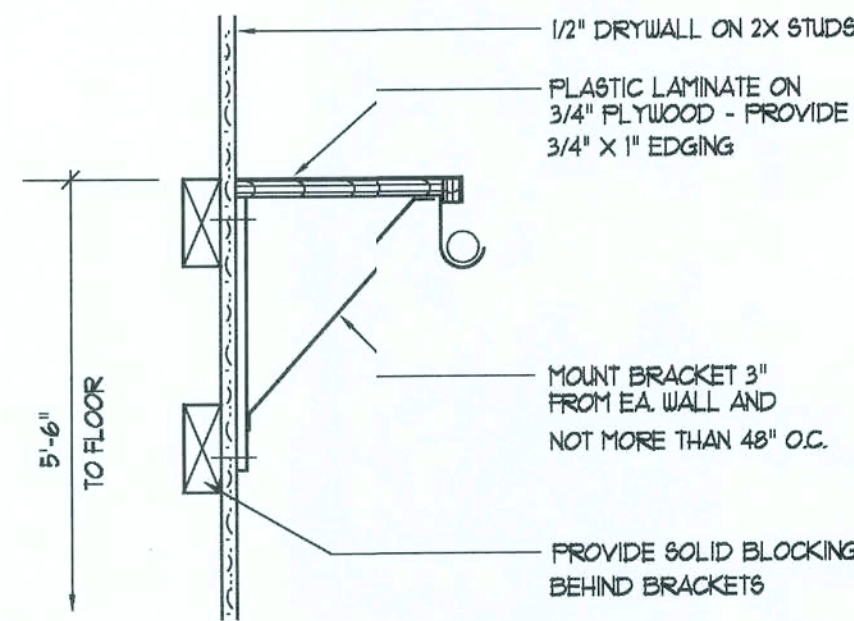
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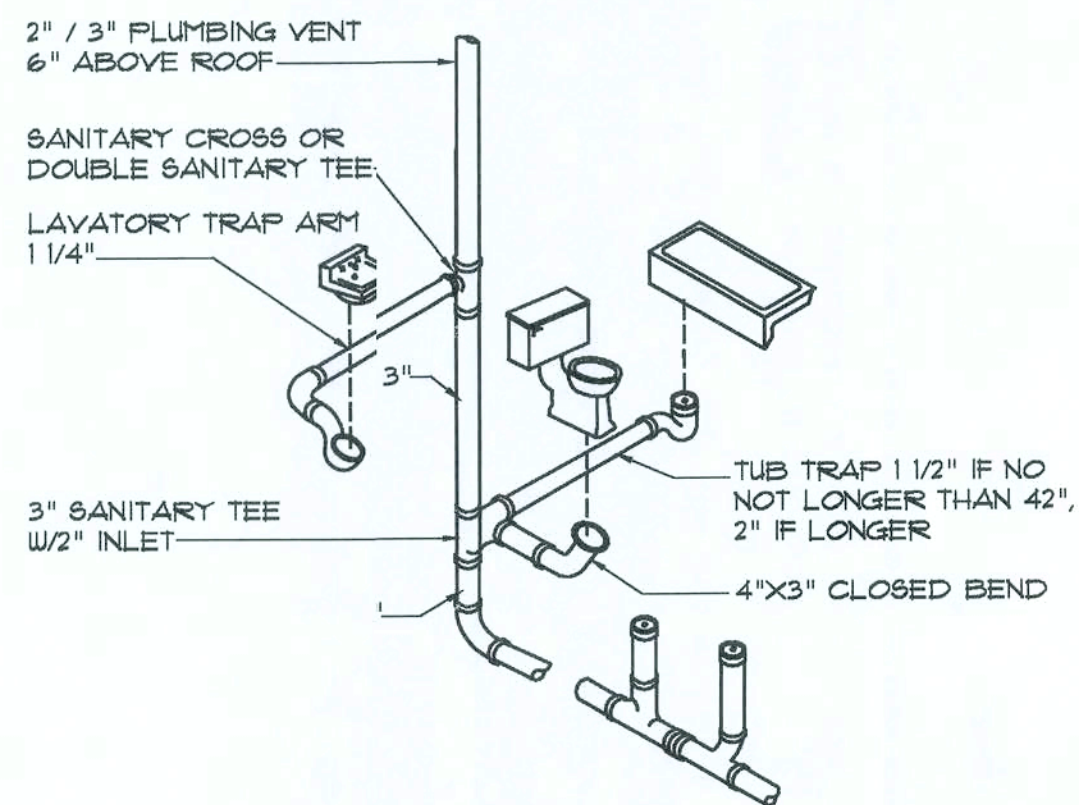
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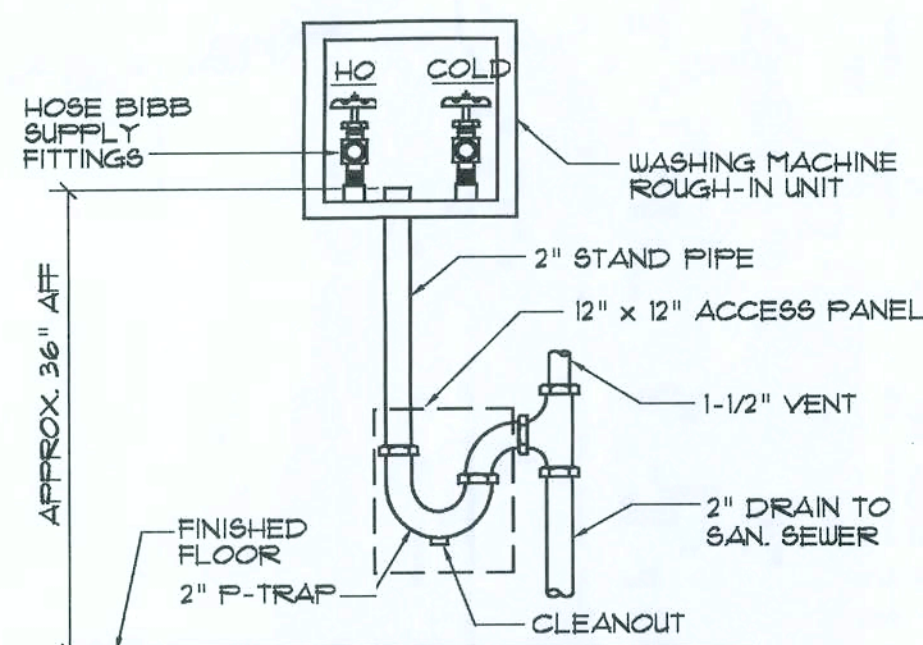
**Closet Rod & Shelf Detail**

SCALE: NONE



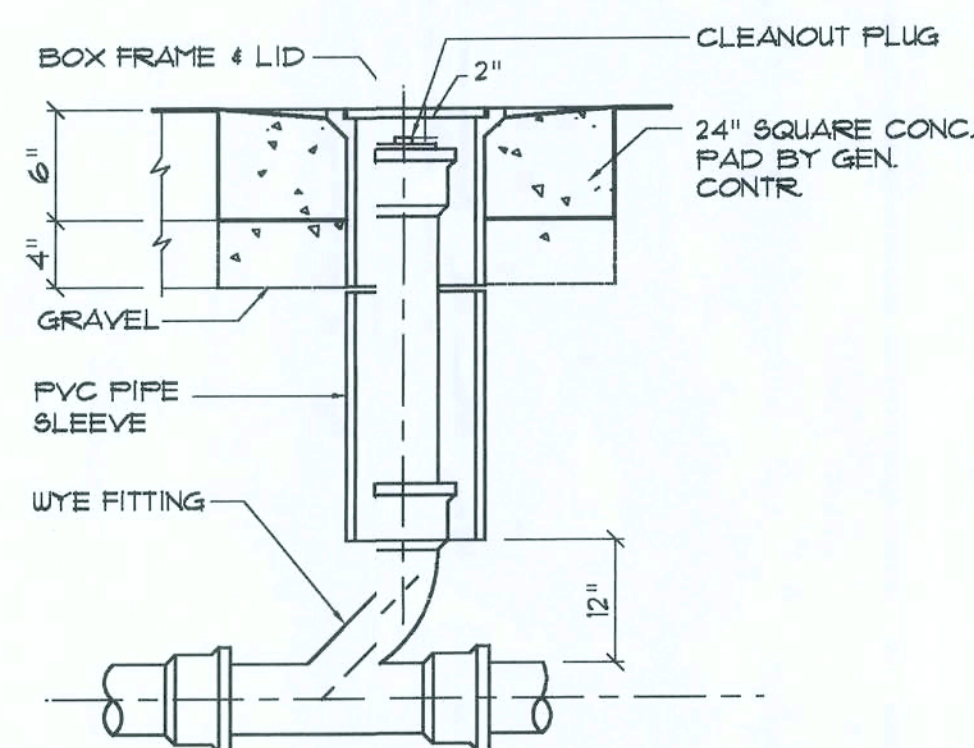
**Typ. One Bath Plumbing DET.**

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



**Washing Machine Hook-up DET.**

N.T.S.

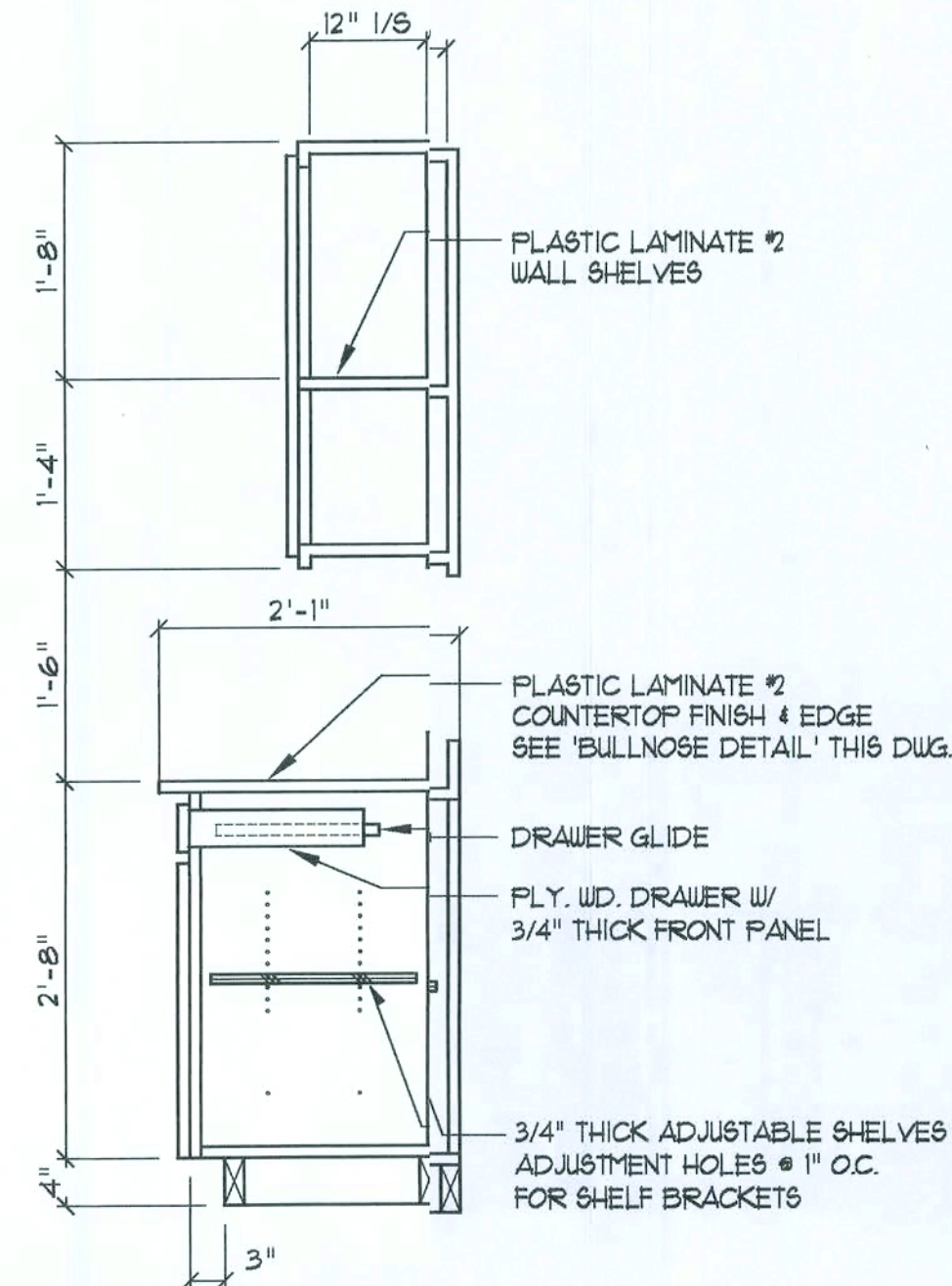


**Outdoor Cleanout DETAIL**

N.T.S.

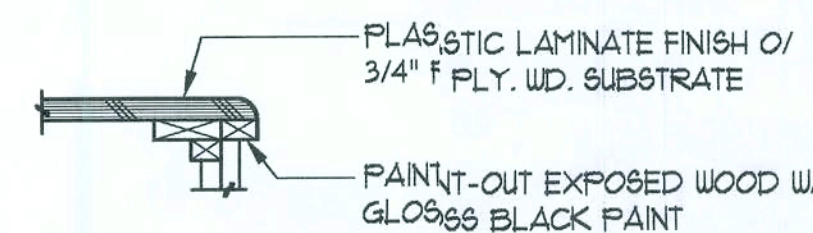
NOTE: THESE CABINET DET'S ARE GENERAL IN NATURE & PROVIDE A BASIS FOR ACTUAL CABINET CONSTRUCTION.

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



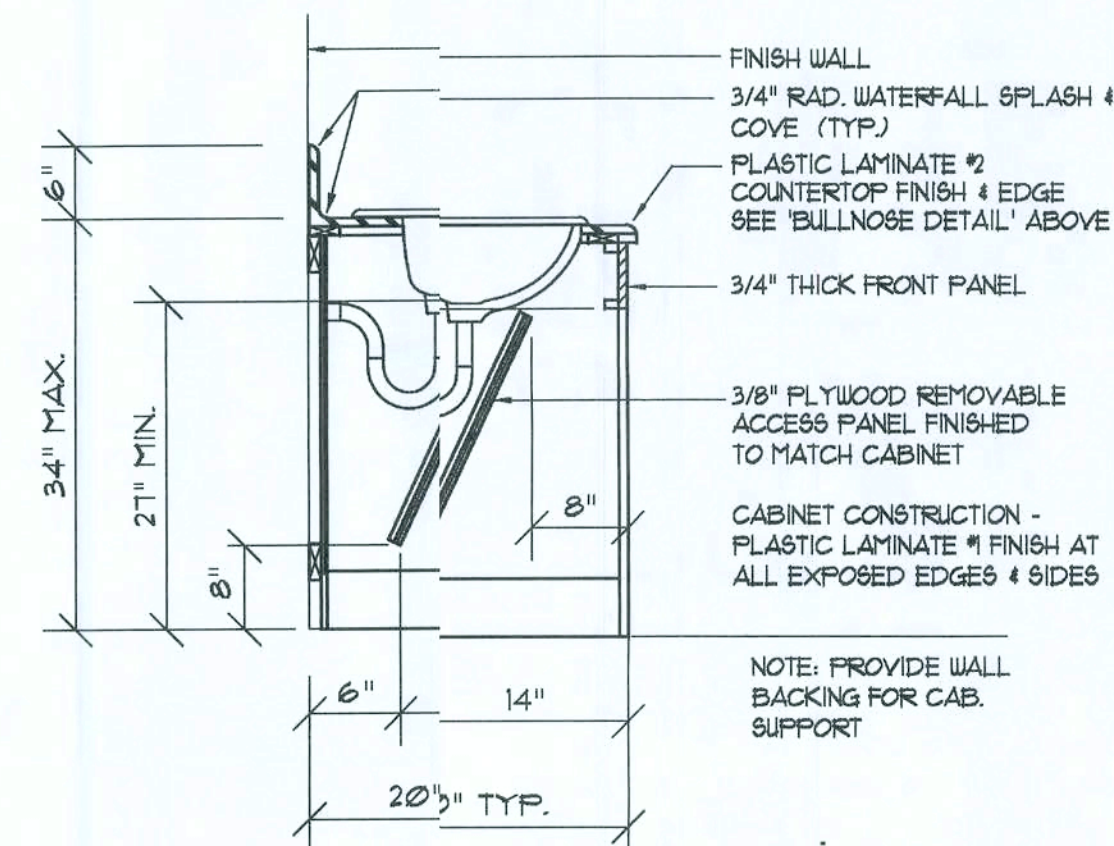
**Base & O/H Cab.**

SCALE 3/4" = 1'-0"



**BULLNOSE DETAIL**

NOTE: 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, HARDWARES 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.

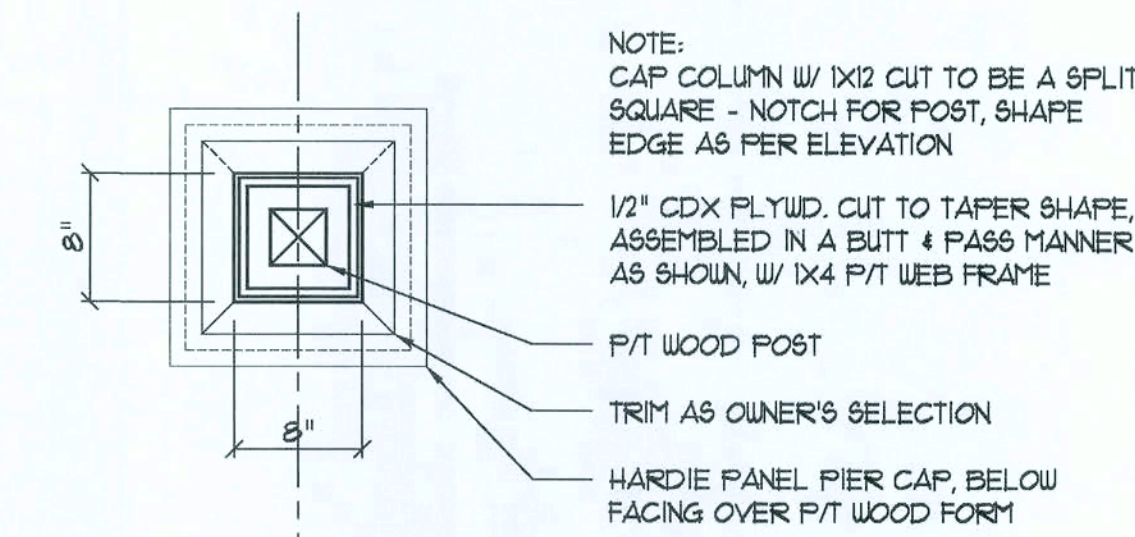


**R/R Vanity Cab.**

SCALE 3/4" = 1'-0"

**Typical Cabinet DETAILS**

SCALE 3/4" = 1'-0"



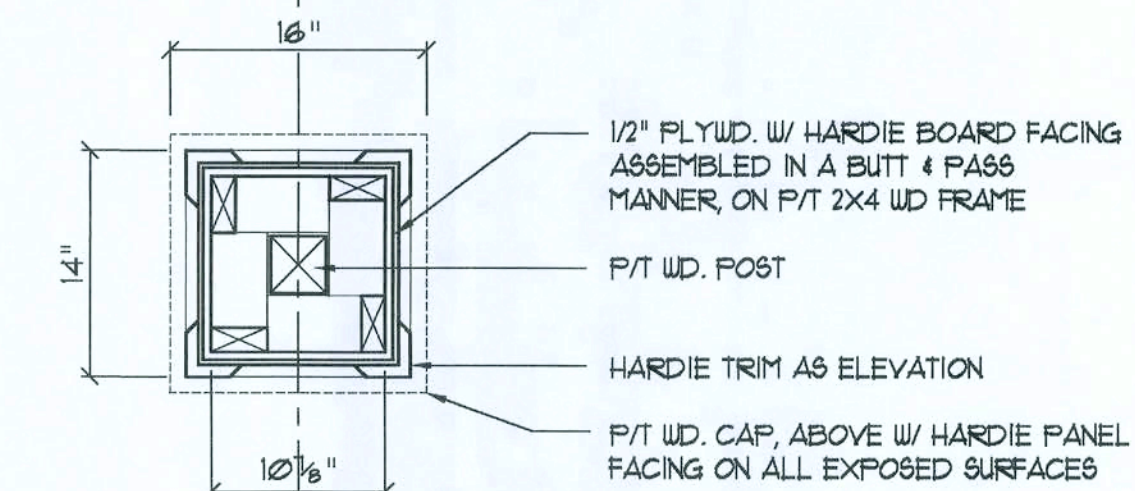
NOTE: CAP COLUMN W/ 1X12 CUT TO BE A SPLIT SQUARE - NOTCH FOR POST, SHAPE EDGE AS PER ELEVATION

1/2" CDX PLYUD. CUT TO TAPER SHAPE, ASSEMBLED IN A BUTT & PASS MANNER AS SHOWN, W/ 1X4 P/T WEB FRAME

P/T WOOD POST

TRIM AS OWNER'S SELECTION

HARDIE PANEL PIER CAP, BELOW FACING OVER P/T WOOD FORM

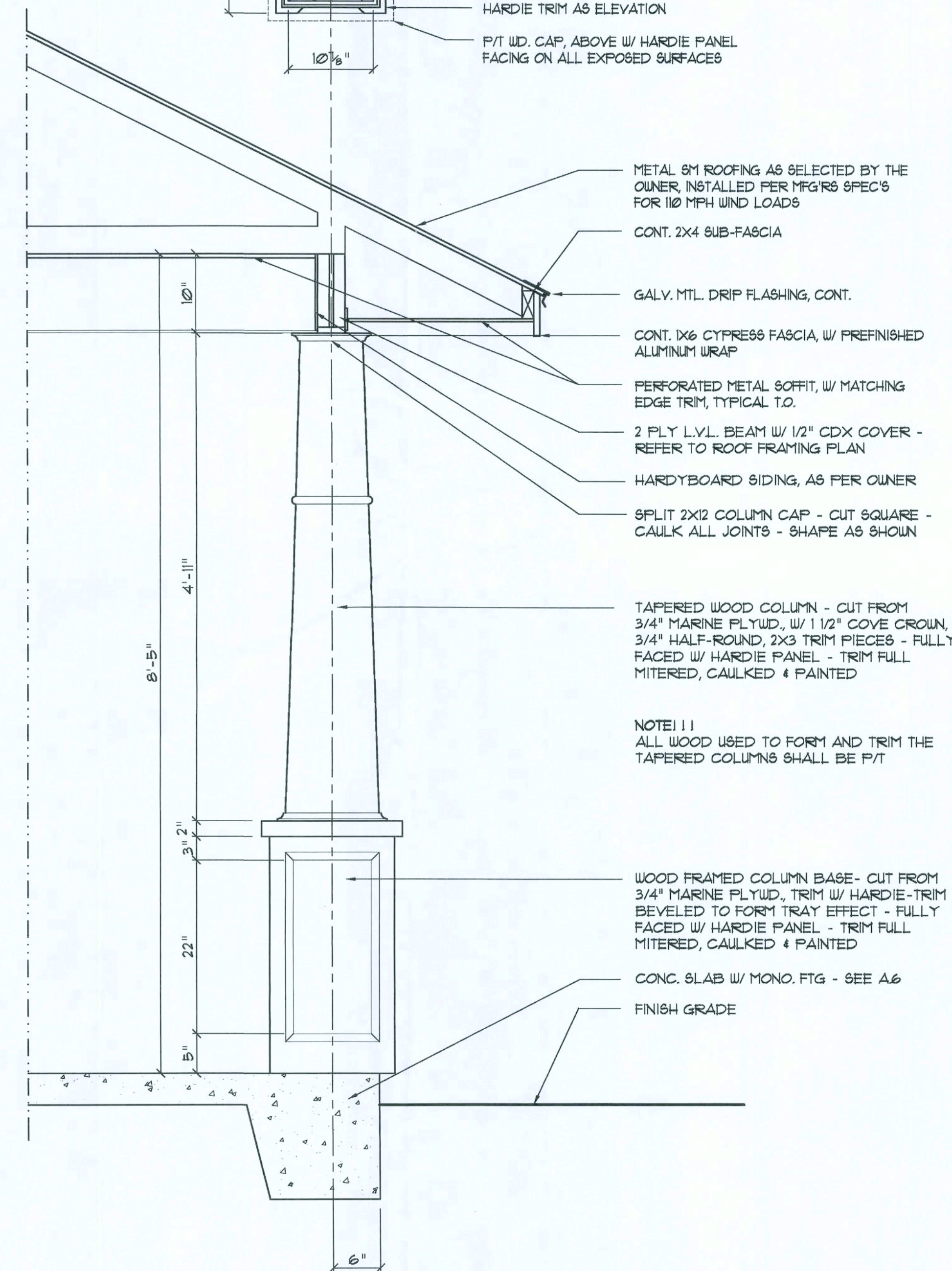


1/2" PLYUD. W/ HARDIE BOARD FACING ASSEMBLED IN A BUTT & PASS MANNER, ON P/T 2X4 WD FRAME

P/T WD. POST

HARDIE TRIM AS ELEVATION

P/T WD. CAP, ABOVE W/ HARDIE PANEL FACING ON ALL EXPOSED SURFACES



METAL 5M ROOFING AS SELECTED BY THE OWNER, INSTALLED PER MFG'S SPEC'S FOR 110 MPH WIND LOADS

CONT. 2X4 SUB-FASCIA

GALV. MTL. DRIP FLASHING, CONT.

CONT. 1X6 CYPRESS FASCIA, W/ PREFINISHED ALUMINUM WRAP

PERFORATED METAL SOFFIT, W/ MATCHING EDGE TRIM, TYPICAL T.O.

2 PLY LVL. BEAM W/ 1/2" CDX COVER - REFER TO ROOF FRAMING PLAN

HARDYBOARD SIDING, AS PER OWNER

SPLIT 2X12 COLUMN CAP - CUT SQUARE - CAULK ALL JOINTS - SHAPE AS SHOWN

TAPERED WOOD COLUMN - CUT FROM 3/4" MARINE PLYUD. W/ 1/2" COVE CROWN, 3/4" HALF-ROUND, 2X3 TRIM PIECES - FULLY FACED W/ HARDIE PANEL - TRIM FULL MITERED, CAULKED & PAINTED

NOTE: ALL WOOD USED TO FORM AND TRIM THE TAPERED COLUMN SHALL BE P/T

WOOD FRAMED COLUMN BASE - CUT FROM 3/4" MARINE PLYUD. TRIM W/ HARDIE-TRIM BEVELED TO FORM TRAY EFFECT - FULLY FACED W/ HARDIE PANEL - TRIM FULL MITERED, CAULKED & PAINTED

CONC. SLAB W/ MONO. FTG - SEE A6

FINISH GRADE

**Taper Column DETAIL**

SCALE 1" = 1'-0"

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MODEL HOME "CHELSEA - B" for:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
ARCHITECTURAL DETAILS

**NS**  
NICHOLAS  
PAUL  
GEISLER  
ARCHITECT  
N.CARB. Certified

DATE:

27 OCT 2009

OWNER:

2K946b

SHEET:

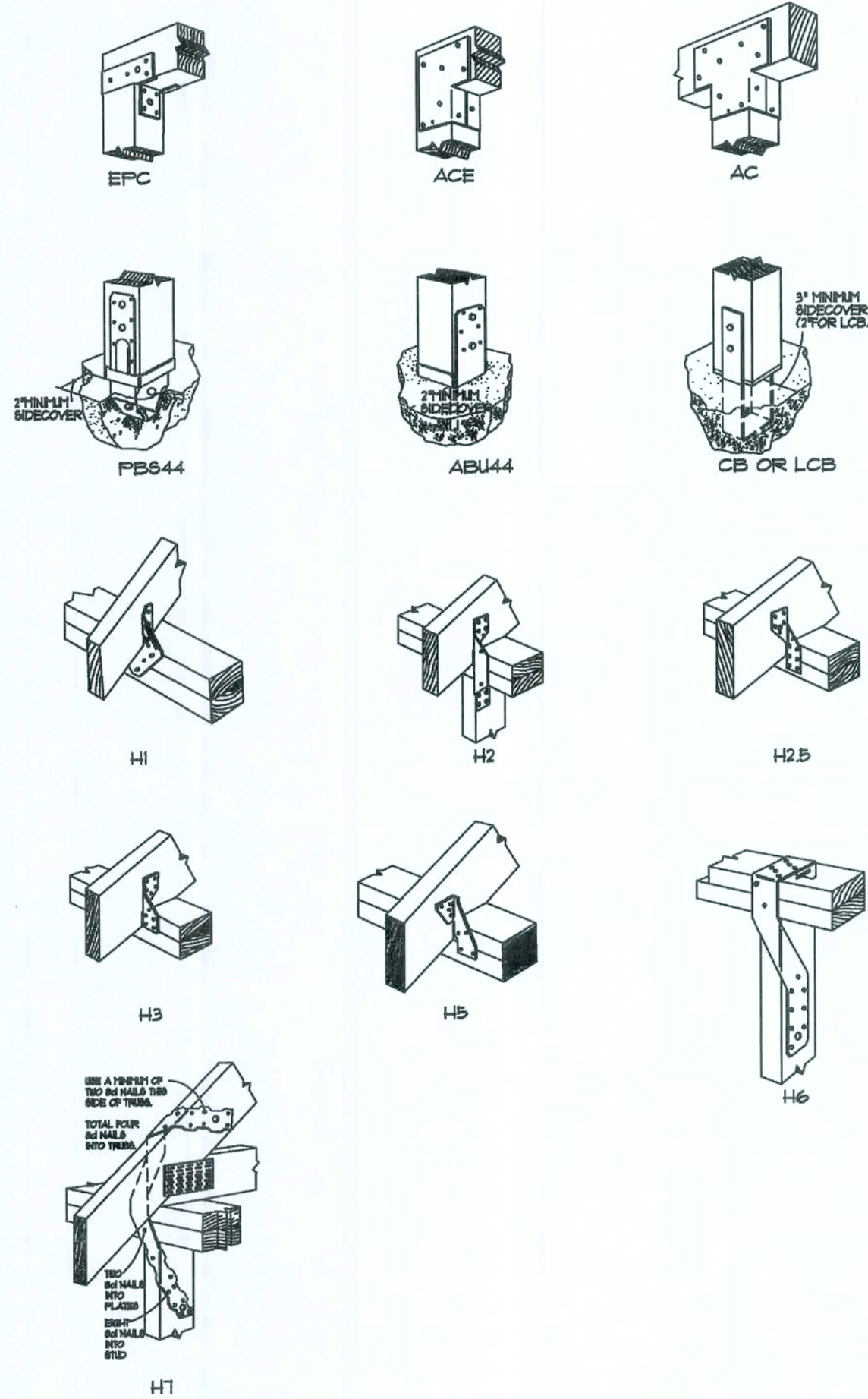
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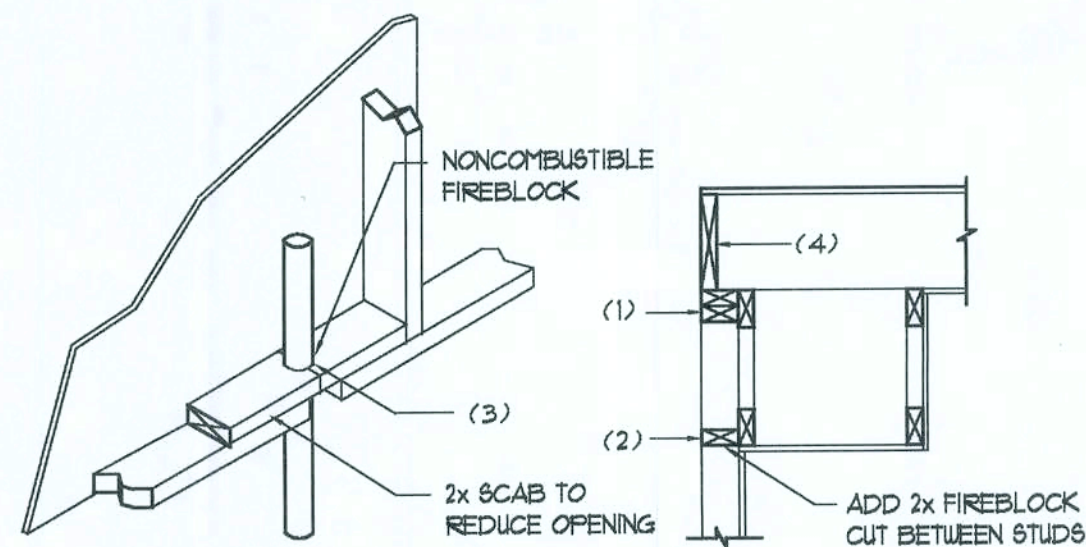


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## Typical "Simpson" Connectors

SCALE: NONE



### FIREBLOCKING NOTES:

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

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

## Fire Stopping DETAILS

SCALE: NONE



### GENERAL 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 WARRANT 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 WORKMANSHIP SHALL BE CORRECTED AT NO FURTHER COST TO THE OWNER DURING THE ONE YEAR WARRANTY PERIOD.
- AT THE OWNER'S OPTION, A WARRANTY INSPECTION SHALL BE PERFORMED DURING THE ELEVENTH MONTH FOLLOWING THE COMMENCEMENT OF THE WARRANTY PERIOD, FOR THE PURPOSE OF DETERMINING ANY WARRANTY WORK THAT MAY BE REQUIRED. THE CONTRACTOR SHALL BE PRESENT DURING THIS INSPECTION IF REQUESTED BY THE OWNER.
- THE CONTRACTOR SHALL PAY FOR ALL PERMITS, LICENSES, TESTS AND THE LIKE THAT MAY BE REQUIRED BY THE VARIOUS 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 OF 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 WITH 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 LABELS LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
- ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESURE TREATED.
- INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE 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 GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-II BATT INSULATION.
- CEILINGS OVER ATTACHED GARAGES OR GARAGES WITH LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GIBS ON D3 WOOD FURRING AT 16" O.C. ATTACHED WITH 1 1/4" BUGLEHEAD SCREWS @ 6" O.C. ALONG EACH POINT OF BEARING.

### STANDARD ABBREVIATIONS

@	AT	GALV.	GALVANIZED
#	NUMBER or FOUND(S)	HORZ.	HORIZONTAL
=	EQUALS	INS.	INSULATION
Ø	DIAMETER	INT.	INTERIOR
W	WITH	LAV.	LAVATORY
WO	WITHOUT	L.V.L.	LAMINATED VENEER LUMBER
±	CENTERLINE	MAX.	MAXIMUM
±	AND	MIN.	MINIMUM
± or ±	PLUS or MINUS	MISC.	MISCELLANEOUS
1'	ONE FOOT	M.O.	MASONRY OPENING
1"	ONE INCH	No. or N°	NUMBER
1/4" or 1/8"	ONE QUARTER INCH	O.C.	ON CENTER
8d	8 PENNY	O/H	OVERHEAD
BM	BEAM	OHD	OVERHEAD DOOR
B.O.	BY OTHERS	PLYUD.	PLYWOOD
BOT.	BOTTOM	P/T	PRESURE TREATED
CLG.	CEILING	REINF.	REINFORCING (ED)
CO	CLEANOUT	REQ'D	REQUIRED
CONC.	CONCRETE	RM.	ROOM
COTG	CLEANOUT TO GRADE	RO.	ROUGH OPENING
DBL.	DOUBLE	SF	SQUARE FEET
DIM.	DIMENSION	SGD	SLIDING GLASS DOOR
DN.	DOWN	SHT.	SHEET
ELEV.	ELEVATION	SRLH	SUWANNEE RIVER LOG HOMES
EXT.	EXTERIOR	TYP.	TYPICAL
F	FRENCH (DOORS)	VERT.	VERTICAL
FDN.	FOUNDATION	WC	WATERCLOSET (TOILET)

### PROJECT INFORMATION / NOTES:

#### DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:  
FOOTING DESIGN IS BASED UPON 1200PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS IS: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFICATIONS.

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

BUILDING CODE: 2007 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST  
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 DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION 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 ASSURE 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 PRESURE TREATED WOOD

SOME FRAMING MATERIALS SPECIFIED FOR THE CONSTRUCTION OF YOUR PROJECT SUCH AS SILL OR EXTERIOR FRAMING ARE PRESURE TREATED. EACH PIECE IS CLEARLY MARKED FOR EASY IDENTIFICATION AND IS USUALLY GREENISH IN COLOR.

THIS WOOD HAS BEEN PRESERVED BY PRESURE-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 ARSENICAL PRESURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

#### HARDWARE RETIGHTENING REQUIREMENTS

ALL LAG SCREWS AND BOLT CONNECTIONS ON COMPOUND BEAMS, POSTS, GIRDERS, TIMBER TRUSSES AND OTHER STRUCTURAL MEMBERS TO BE INSPECTED PERIODICALLY AND RETIGHTENED AS NECESSARY.

### SYMBOLS

THESE SYMBOLS ARE MOST OFTEN ENCOUNTERED IN THE FOLLOWING DRAWINGS: ELEVATIONS, DIMENSION PLANS, SECTIONS & STRUCTURAL PLANS

	1/2\"/>	TYPE OF ELEVATION MARK USED TO INDICATE A PREFERRED TARGET ELEVATION - TRUE MEASUREMENT.
	TOP OF 1st LOG COURSE	TYPE OF ELEVATION MARK USED TO INDICATE THE TOP OF A LOG WALL STACK - NOMINAL ONLY.
	TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW	TYPE OF DETAIL MARK USED TO INDICATE A SECTION OR DETAIL ASSOCIATED WITH A PLAN VIEW
	TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW	TYPE OF SECTION MARK USED TO INDICATE A VIEW TAKEN IN THE DIRECTION OF THE ARROW
	INDICATES FOOTING TYPE "A" DESCRIBED IN THE FOOTING SCHEDULE	INDICATES FOOTING TYPE "A" DESCRIBED IN THE FOOTING SCHEDULE
	INDICATES POST/COLUMN TYPE "1" DESCRIBED IN THE COLUMN SCHEDULE	INDICATES POST/COLUMN TYPE "1" DESCRIBED IN THE COLUMN SCHEDULE
	INDICATES POST/COLUMN TYPE "1" LOCATED BELOW CURRENT LEVEL	INDICATES POST/COLUMN TYPE "1" LOCATED BELOW CURRENT LEVEL
	INDICATES POST/COLUMN TYPE "2" LOCATED ABOVE CURRENT LEVEL	INDICATES POST/COLUMN TYPE "2" LOCATED ABOVE CURRENT LEVEL
	INDICATES POST/COLUMN TYPE "2" LOCATED OVER TYPE "1" POST/COLUMN	INDICATES POST/COLUMN TYPE "2" LOCATED OVER TYPE "1" POST/COLUMN

### FLORIDA BUILDING CODE Compliance Summary

#### TYPE OF CONSTRUCTION

Roof: Gable Construction Wood Trusses @ 24" O.C.  
Walls: 2x4 Wood Studs @ 16" O.C.  
Floor: 4" Thk Concrete Slab w/ Fiberglass Concrete Additive  
Foundation: Continuous Monolithic Footer

#### ROOF DECKING

Material: 1/2" CD Plywood @ 1/6" O.S.B.  
Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing  
Fasteners: 8d Common Nails per schedule on sheet A6

#### SHEARWALLS

Material: 1/6" O.S.B. "Windstorm": 48" x 96", 120", 121" OR 145"  
Sheet Size: 48"x96" (120", 121" OR 145") Sheets Placed Vertical  
Fasteners: 8d Common Nails @ 4" O.C. Edges @ 2" O.C. Interior  
Dragstud: Double Top Plate (5x7) with Nails @ 12" O.C.  
Wall Studs: 2x4 Studs @ 16" O.C.

#### HURRICANE UPLIFT CONNECTORS

Truss Anchors: Simpson H25a @ Ea. Truss End (Typ. UON)  
Wall Tension: Wall Sheathing Nailing is Adequate - 8d @ 4" O.C. Top & Bot.  
Anchor Bolts: 1/2" A307 BOLTS @ 48" O.C. - 1st Bolt 8' from corner  
Corner Hold-down Device: (1) Anchor BOLT  
Forch Column Base Connector: Simpson ABU44 @ each column  
Forch Column to Beam Connector: Simpson EPC44/PC44 @ each column

#### FOOTINGS AND FOUNDATIONS

Footings: 16"x18" Cont. W/2-5 Bars Cont. @ Wire Chairs @ 48" O.C. monolithic with slab

ALL WIND LOADS ARE IN ACCORDANCE WITH SECTION 1609, FLORIDA BUILDING CODE, 2007 EDITION.

BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (I):	1 = 1.00
BUILDING CATEGORY:	CATEGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	-0.18
MURS PER TABLE 1609.2A (FBC 2007)	ROOF: - 231 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
DESIGN WIND PRESSURES:	OPNGS: + 218 / - 231 PSF EAVES: - 60.3 PSF ROOF: + 19.9 / - 25.5 PSF

### TERMITE PROTECTION NOTES:

#### SOIL CHEMICAL BARRIER METHOD:

- A PERMANENT SIGN WHICH IDENTIFIES THE TERMITE TREATMENT PROVIDER AND NEED FOR REINSPECTION AND TREATMENT CONTRACT RENEWAL SHALL BE PROVIDED. THE SIGN SHALL BE POSTED NEAR THE WATER HEATER OR ELECTRIC PANEL. FBC 1604.6
- CONDENSATE AND ROOF DOWNSPOUTS SHALL DISCHARGE AT LEAST 1'-0" AWAY FROM BUILDING SIDE WALLS. FBC 1603.4.4
- IRRIGATION/SPRINKLER SYSTEMS INCLUDING ALL RISERS AND SPRAY HEADS SHALL NOT BE INSTALLED WITHIN 1'-0" FROM BUILDING SIDE WALLS. FBC 1603.4.4
- TO PROVIDE FOR INSPECTION FOR TERMITE INFESTATION, BETWEEN WALL COVERINGS AND FINAL EARTH GRADE SHALL NOT BE LESS THAN 6". EXCEPTION: PAINT AND DECORATIVE CEMENTIOUS FINISH LESS THAN 5/8" THICK ADHERED DIRECTLY TO THE FOUNDATION WALL. FBC 1603.1.6
- INITIAL TREATMENT SHALL BE DONE AFTER ALL EXCAVATION AND BACKFILL IS COMPLETE. FBC 1606.11
- SOIL DISTURBED AFTER THE INITIAL TREATMENT SHALL BE RETREATED INCLUDING SPACES BOXED OR FORMED. FBC 1606.12
- 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 1606.13
- MINIMUM 6 MIL VAPOR RETARDER MUST BE INSTALLED TO PROTECT AGAINST RAINFALL DILUTION IF RAINFALL OCCURS BEFORE VAPOR RETARDER PLACEMENT, RETREATMENT IS REQUIRED. FBC 1606.14
- CONCRETE OVERPOUR AND MORTAR ALONG THE FOUNDATION PERIMETER MUST BE REMOVED BEFORE EXTERIOR SOIL TREATMENT. FBC 1606.15
- SOIL TREATMENT MUST BE APPLIED UNDER ALL EXTERIOR CONCRETE OR GRADE WITHIN 1'-0" OF THE STRUCTURE SIDEWALLS. FBC 1606.16
- 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 1606.16
- ALL BUILDINGS ARE REQUIRED TO HAVE PER-CONSTRUCTION TREATMENT. FBC 1606.17
- A CERTIFICATE OF COMPLIANCE MUST BE ISSUED TO THE BUILDING DEPARTMENT BY A LICENSED PEST CONTROL COMPANY BEFORE A CERTIFICATE OF OCCUPANCY WILL BE ISSUED. THE CERTIFICATE OF COMPLIANCE SHALL STATE: "THE BUILDING HAS RECEIVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES". FBC 1606.17
- AFTER ALL WORK IS COMPLETED, LOOSE WOOD AND FILL MUST BE REMOVED FROM BELOW AND WITHIN 1'-0" OF THE BUILDING. THIS INCLUDES ALL GRADE STAKES, TUB TRAP BOXES, FORMS, SHORING OR OTHER CELLULOSE CONTAINING MATERIAL. FBC 2309.3.3
- NO WOOD, VEGETATION, STUMPS, CARDBOARD, TRASH, ETC., SHALL BE BURIED WITHIN 15'-0" OF ANY BUILDING OR PROPOSED BUILDING. FBC 2309.3.4

### FRAMING ANCHOR SCHEDULE

APPLICATION	MANUFACTURER/MODEL	CAP.
TRUSSES TO WALL:	SIMPSON H25a	535#
GIRDER TRUSSES TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	178#
HEADER TO KING STUD(S):	SIMPSON ST22	151#
PLATE TO FOUNDATION:	5/8" THRU-BOLT	334#
FORCH BEAM TO POST:	SIMPSON PC44/EPC44	170#
FORCH POST TO FND:	SIMPSON ABU44	220#
MISC. JOINTS	SIMPSON A34	35#/240#

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

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

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

NOTE:  
"SEMCO" PRODUCT APPROVAL:  
MIAMI/DADE COUNTY REPORT #35-0818.15

NOTE:  
"SIMPSON" PRODUCT APPROVALS:  
MIAMI/DADE COUNTY REPORT #31-0101.05, #36-1126.11, #39-0623.04  
SBCCI NER-443, NER-393

### GENERAL NAILING SCHEDULE:

NUMBER OF NAILS FOR CONNECTING WOOD MEMBERS:	COMMON NAILS	Nr. / SPACING
BRIDGING TO JOIST, TOE NAIL	16d	2 EA. END
2" SUBFLOOR TO JOIST	16d	2
BLIND & FACE NAILING	16d	2
SOLE PLATE TO JOIST OR BLOCKING	16d	16" O.C.
FACE NAILED	16d	2
TOE OR SOLE PLATE TO STUD	16d	2
END NAILED	16d	2
STUD TO SOLE PLATE, TOE NAILED	16d	3 OR 2 16d
DOUBLE STUDS, FACE NAILED	16d	24" O.C.
DOUBLE TOP PLATES, FACE NAILED	16d	16" O.C.
TOP PLATES - LAP & INTERSECTIONS	16d	2
FACE NAILED	16d	2
1 X 6 SHEATHING TO EACH POINT OF BEARING, FACE NAILED	16d	2
BUILT-UP CORNER STUDS, FACE NAILED	16d	30" O.C.
BUILT-UP GIRDERS & BEAMS	20d	32" O.C. TOP & BOTTOM
		4 STAGGERED - 2 @ EA. END
		4 @ SPLICES
3/4" PLYWOOD SUBFLOORING	8d	6" O.C. @ EDGES
OSB SHEATHING, 1/6" THICK	8d	10" O.C. @ INTERMEDIATE
1/8" FIBERBOARD SHEATHING	6d	6" O.C. @ EDGES
		10" O.C. @ INTERMEDIATE
		3" O.C. @ EDGES
		6" O.C. @ INTERMEDIATE

- NAILS, BOLTS AND OTHER METAL CONNECTORS WHICH ARE USED IN LOCATIONS EXPOSED TO THE WEATHER SHALL BE GALVANIZED OR OTHERWISE CORROSION RESISTANT.
- IN GENERAL, NAILS SHALL PENETRATE THE SECOND MEMBER A DISTANCE EQUAL TO THE THICKNESS OF THE MEMBER BEING NAILED THERETO, OR GREATER.
- THERE SHALL BE NOT LESS THAN 2 NAILS PER CONNECTION.
- GLUE SHALL NOT BE CONSIDERED AN ACCEPTABLE CONNECTOR IN LIEU OF THOSE SPECIFIED HEREIN.
- 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.
- NAILS PROJECTING BEYOND THE LAST WOOD MEMBER SHALL BE CLINCHED, WHEREVER POSSIBLE.
- NOTES IN THE "PLANS" PACKAGE OF THE CONSTRUCTION DOCUMENTS SUPERSEDE SIZES & SPACINGS OF NAILS CONTAINED HEREIN.

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MODEL HOME "SHELEBA - B" FOR:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
GENERAL STRUCTURAL INFORMATION

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21 OCT 2009

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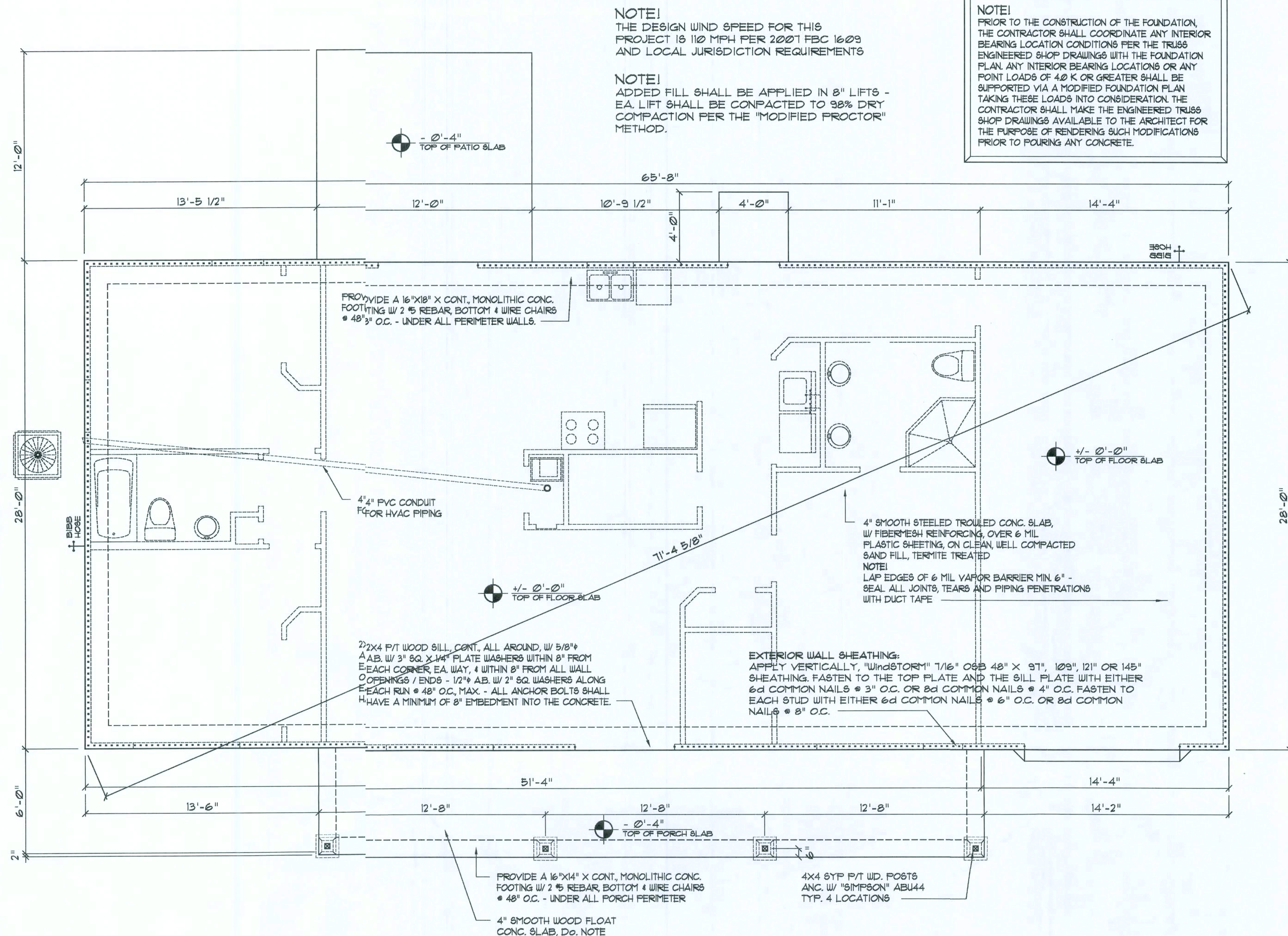
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# FIELD "AS-BUILT" NOTES

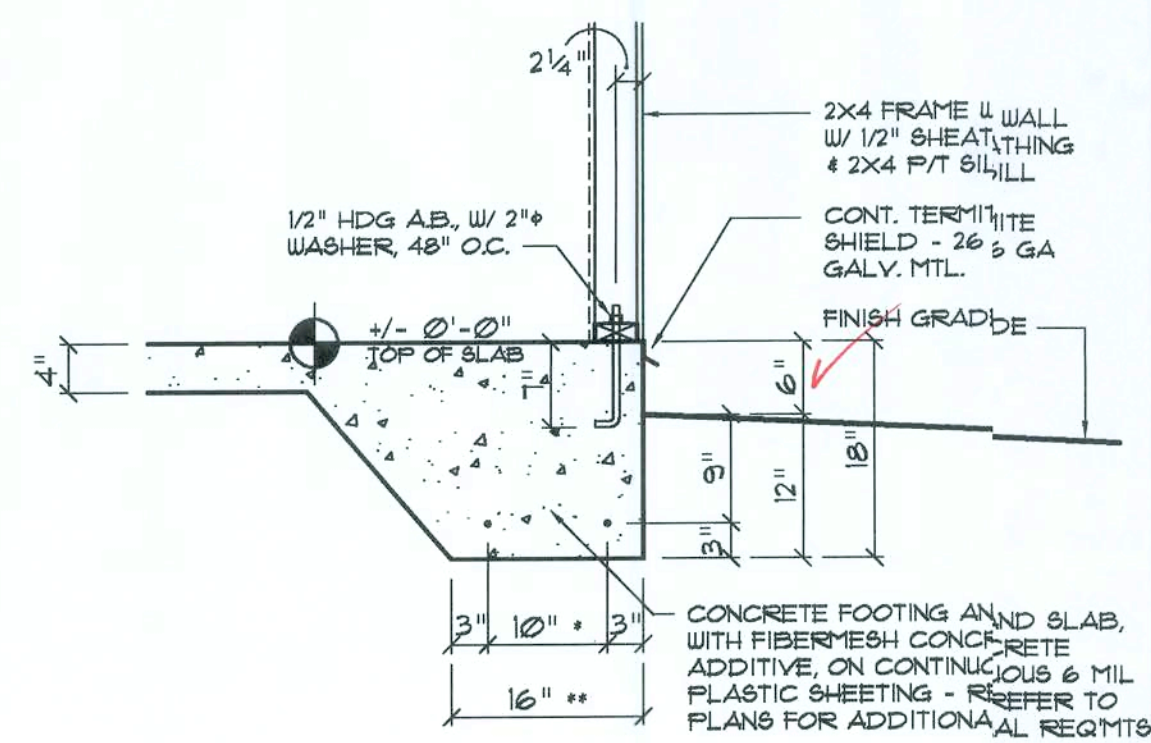
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## Foundation PLAN

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

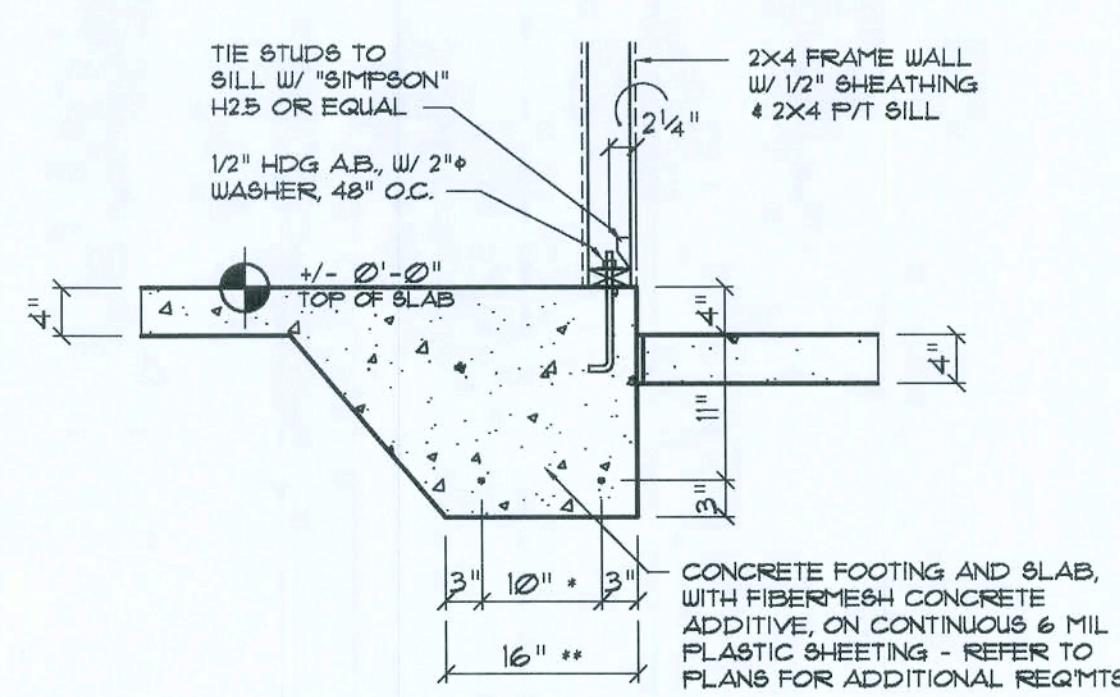
----- SHEAR WALL SEGMENTS, SEE A3;  
(ALL EXT. WALLS, LESS DOOR OPENINGS)



## Typ. Mono. Ftg. DET.

SCALE: NONE

A



## Typ. Mono. Ftg. DET.

SCALE: NONE

B

## CONCRETE / MASONRY / METALS GENERAL NOTES:

- DESIGN SOIL BEARING PRESSURE: 1000 PSF.
- EXPANSIVE SOILS: WHERE DIRECTED BY THE SOILS ENGINEER, SOIL AUGMENTATION PER THE SOILS ENGINEER'S SPECIFICATIONS SHALL BE IMPLEMENTED PRIOR TO PLACING ANY FOUNDATIONS - TESTS AS SPECIFIED SHALL BE PERFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPACTION SHALL BE NOT LESS THAN 98% AS MEASURED BY A MODIFIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIREMENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- WELDED WIRE MESH REINFORCING SHALL MEET THE REQUIREMENTS OF ASTM A185 - MIN. YIELD STRESS = 85 KSI.
- CONCRETE SHALL BE STANDARD MIX F<sub>c</sub> = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F<sub>c</sub> = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH - F<sub>m</sub> = 1500 PSI.
- MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

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78

MODEL HOME "CHELSEA - B" for:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
**FOUNDATION PLAN**

**NICHOLAS PAUL GIESLER**  
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NCARB Certified  
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DATE

21 OCT 2009

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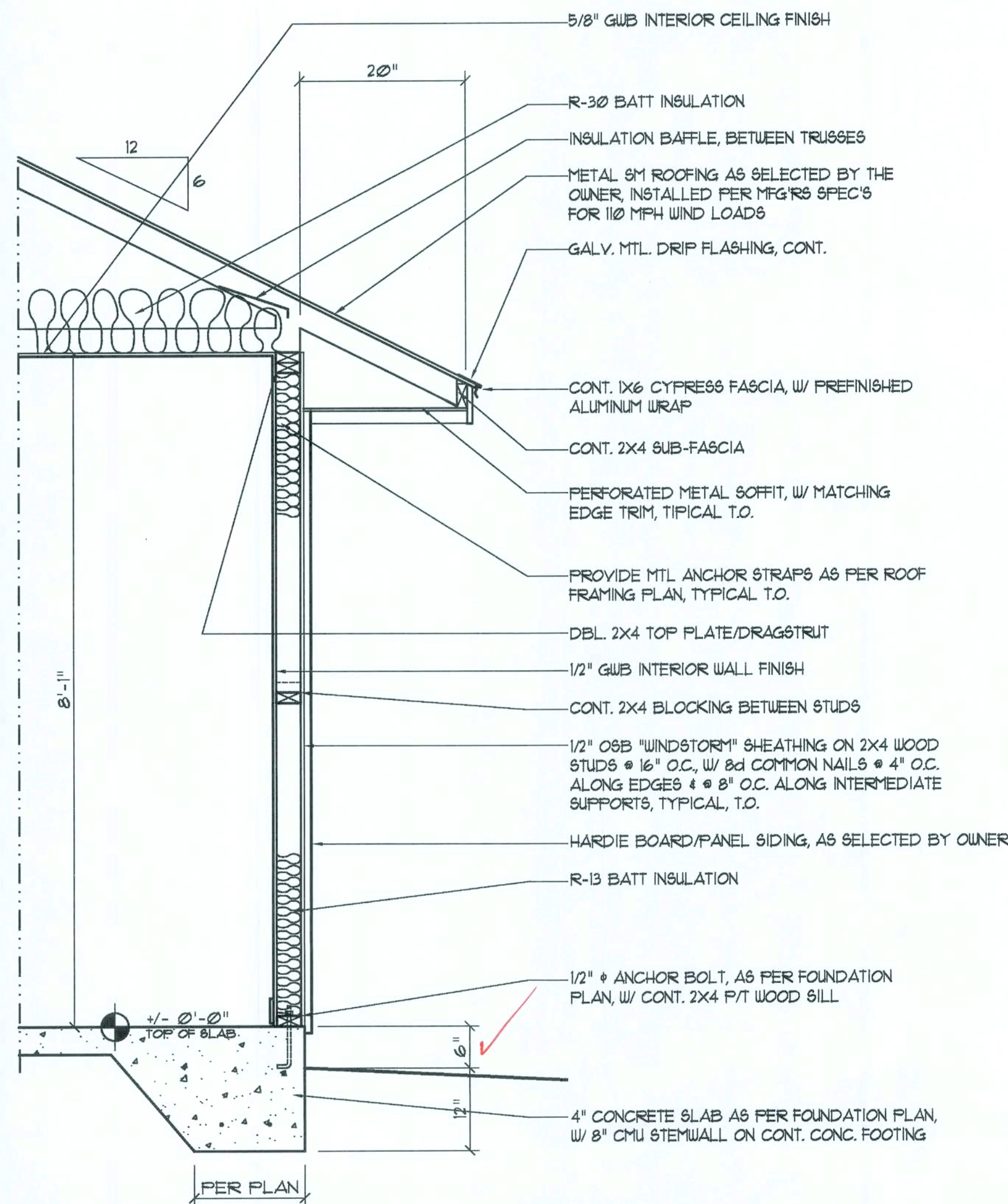
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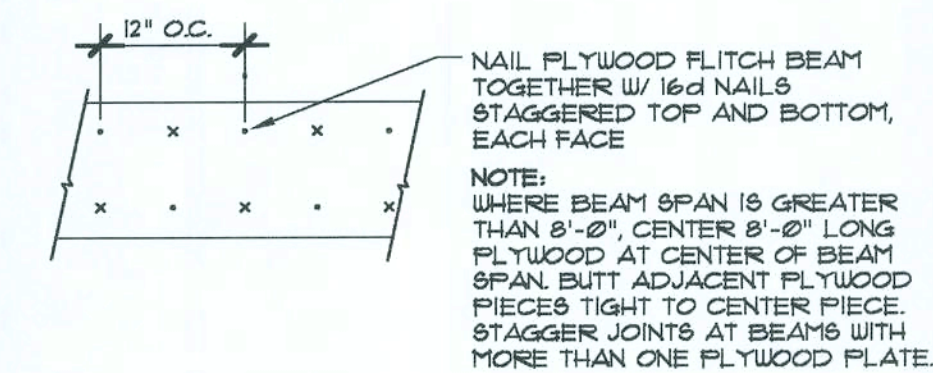




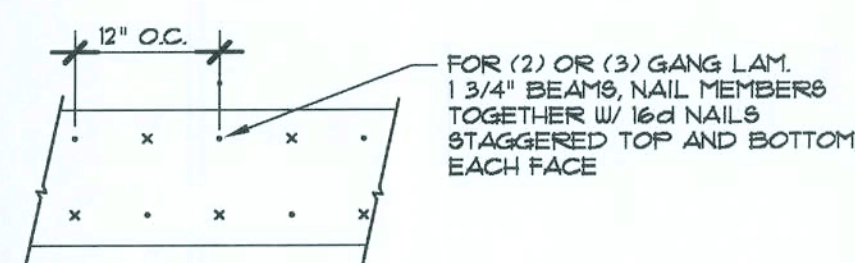
## Typical Wall Section DET. H

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

**EXTERIOR WALL SHEATHING:**  
APPLY VERTICALLY, "WINDSTORM" 1/2" OSB 48" X 96", 12 OR 145" 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 @ 6" O.C. OR 8d COMMON NAILS @ 8" O.C.



## PLYWOOD FLITCH BEAM DETAIL

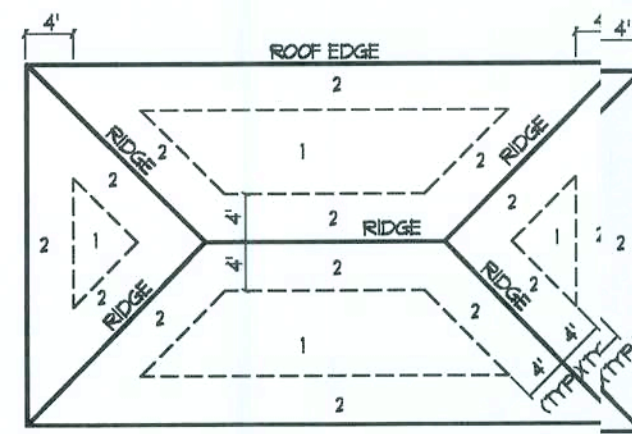


## MULTIPLE GANG LAM. DETAIL

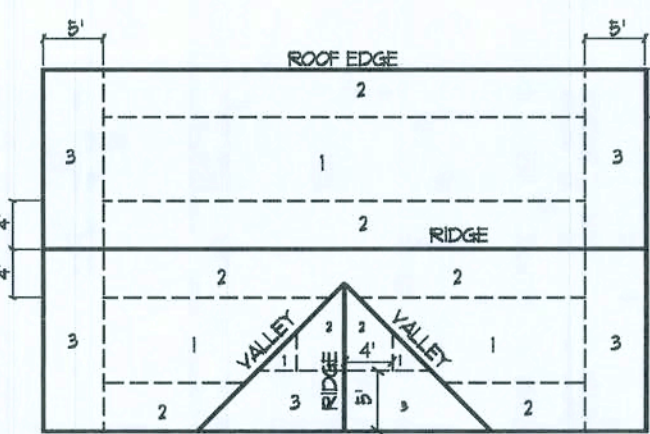
## B/U Beam DETAILS

SCALE: NONE

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



ROOF SHEATHING NAILING ZONES (HIP ROOF)

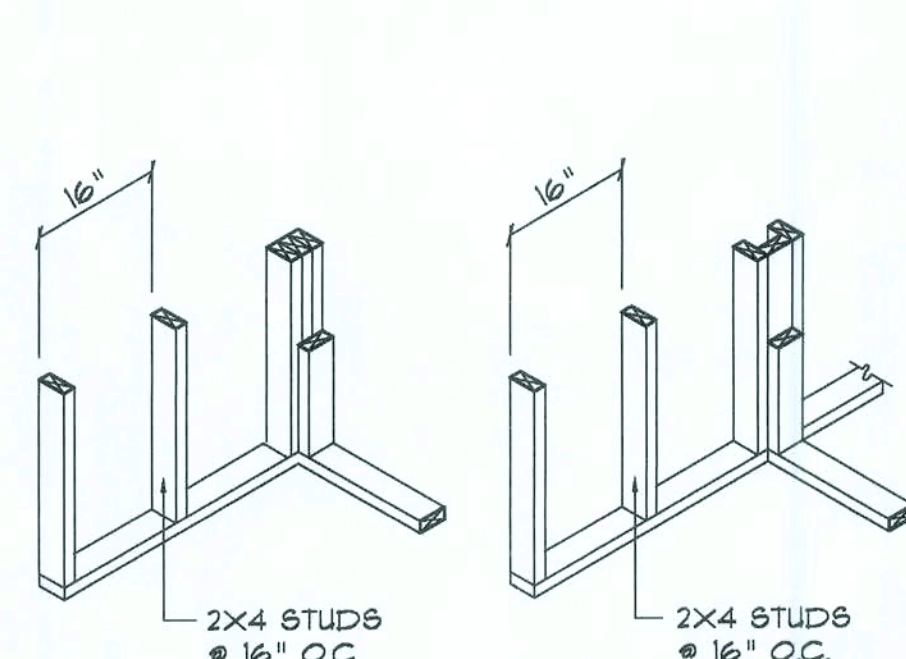


ROOF SHEATHING NAILING ZONES (GABLE ROOF)

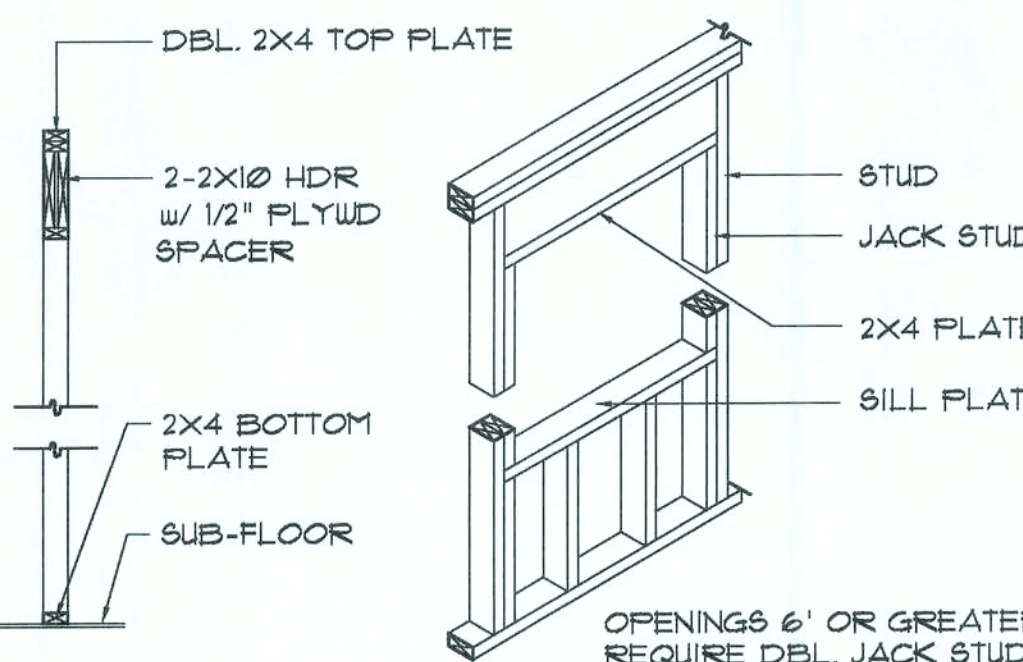
## Roof Nail Pattern DET. B

SCALE: NONE

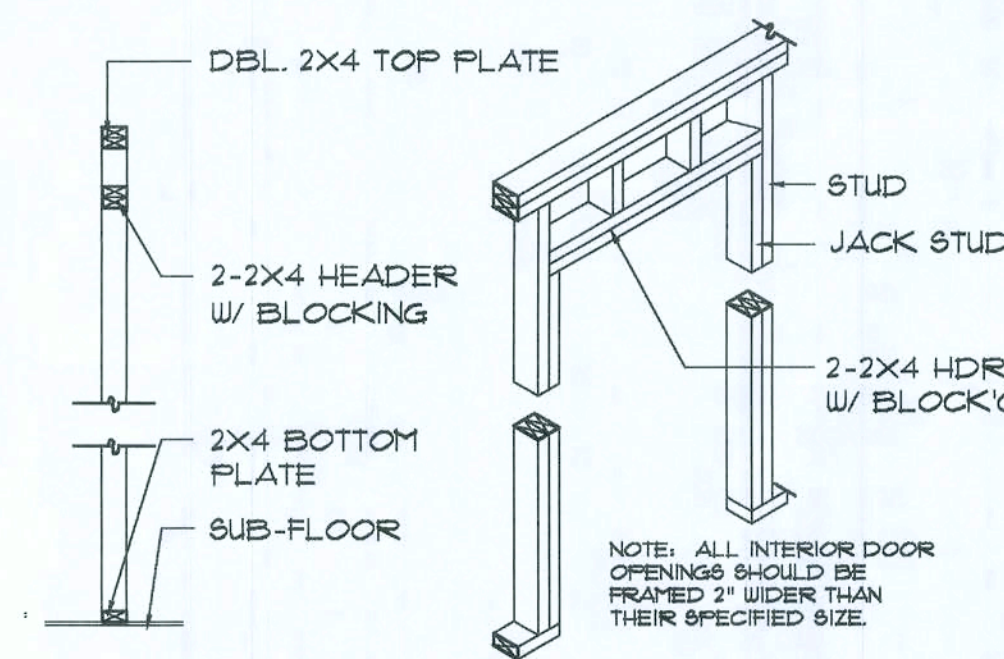
HEADERS SUPPORTING:		BUILDING WIDTH (FT)		
		24'	28'	36'
ROOF, CEILING	HEADER SIZE	SPAN * JACKS	SPAN * JACKS	SPAN * JACKS
	2-2x4	3'-6" 1	3'-2" 1	2'-10" 1
	2-2x6	5'-5" 1	4'-8" 1	4'-2" 1
	2-2x8	6'-10" 1	5'-11" 2	5'-4" 1
	2-2x10	8'-5" 2	7'-3" 2	6'-6" 2
	2-2x12	9'-9" 2	8'-5" 2	7'-6" 2
	3-2x8	8'-4" 1	7'-5" 1	6'-8" 1
	3-2x10	10'-6" 1	9'-1" 2	8'-2" 1
	3-2x12	12'-2" 2	10'-7" 2	9'-5" 2
	4-2x8	9'-2" 1	8'-4" 1	7'-2" 1
	4-2x10	11'-8" 1	10'-6" 1	9'-5" 1
	4-2x12	14'-1" 1	12'-2" 2	10'-11" 1



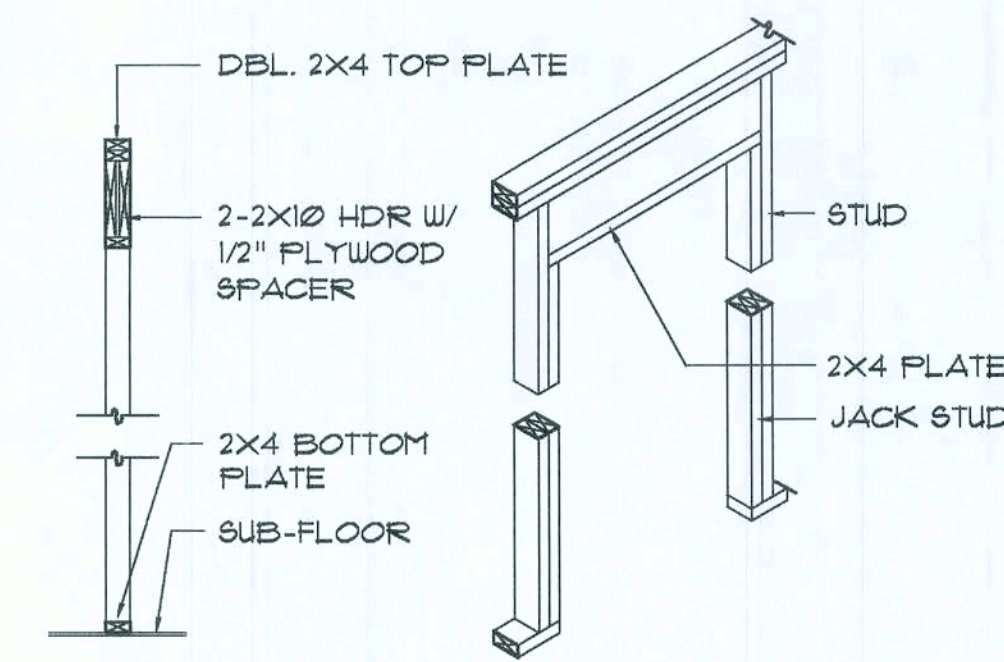
WALL CORNER WALL INTERSECTION



TYPICAL WINDOW HEADER



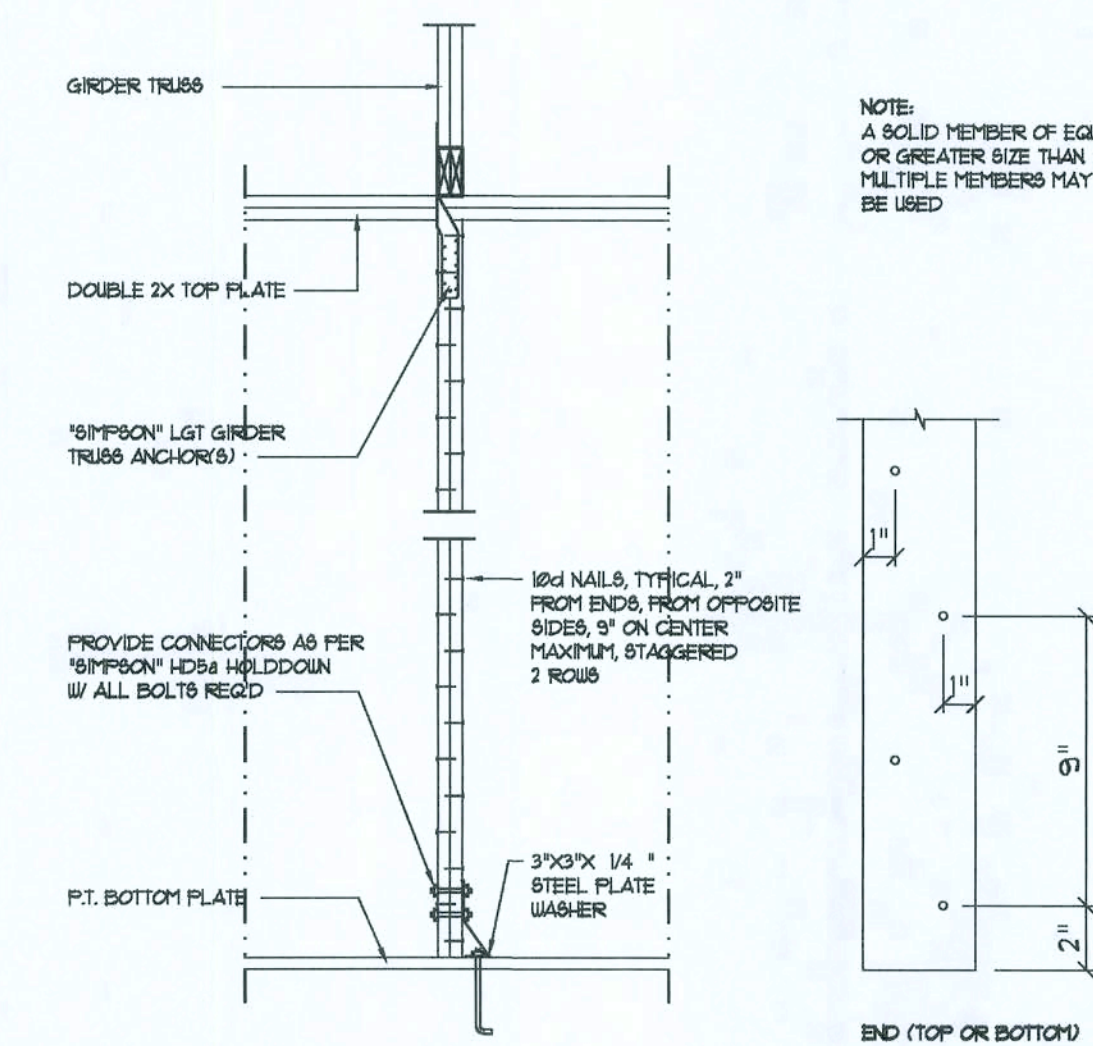
NON-BEARING WALL HEADER



BEARING WALL HEADER

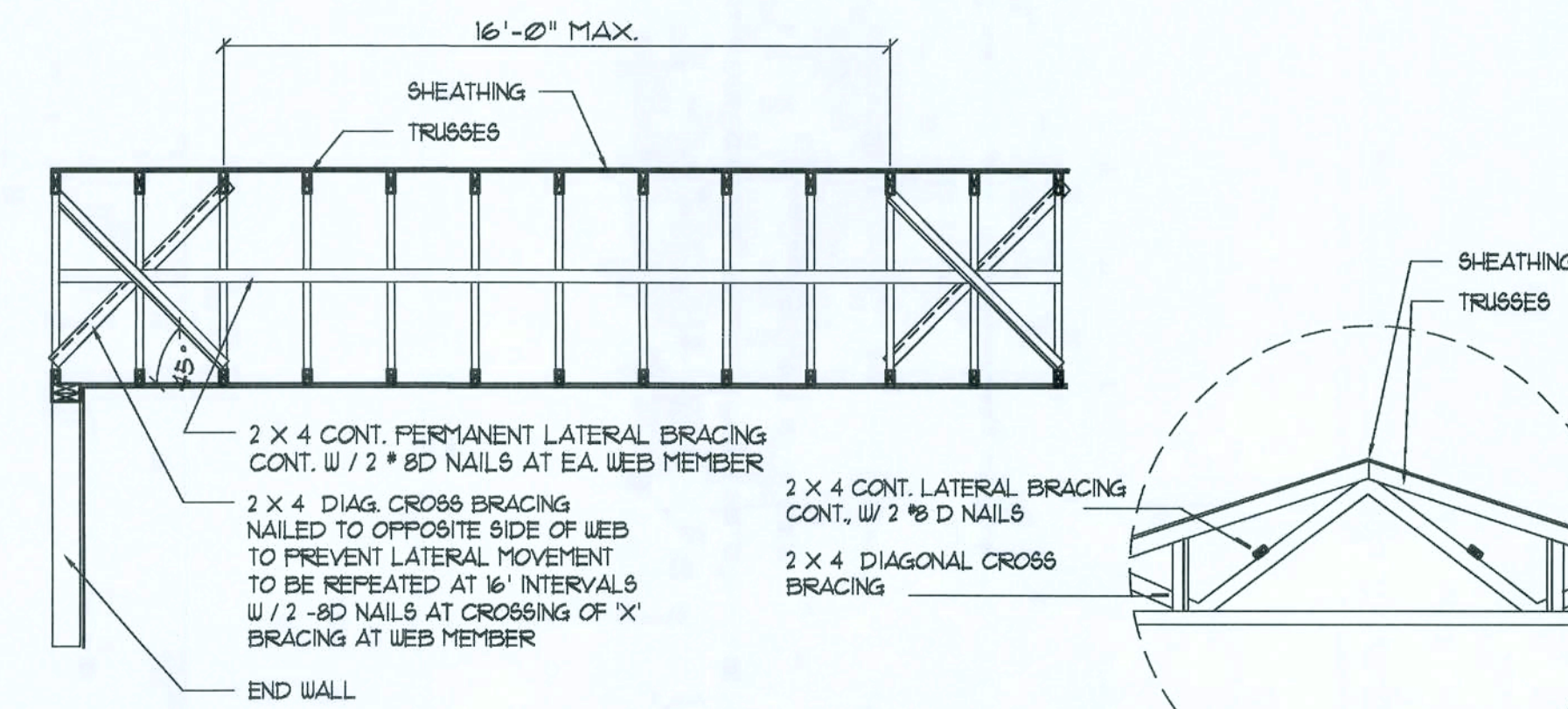
## Wall Framing/Header DETAILS

SCALE: NONE



## Girder Truss Column DET. C

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

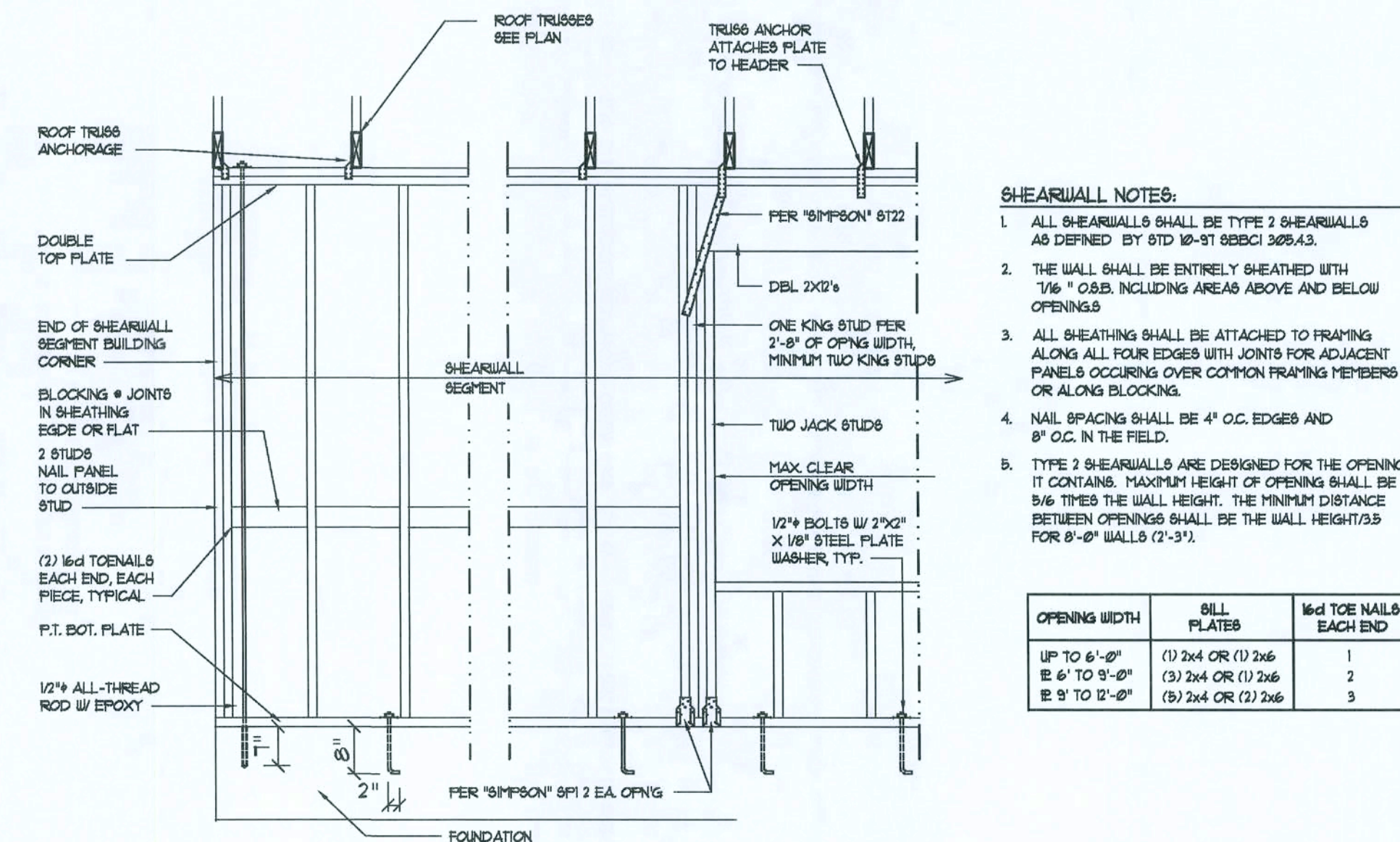


## TYP. PERMANENT TRUSS BRACING DIA. NT9

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

## Truss Bracing DETAILS

SCALE: AS NOTED



- SHEARWALL NOTES:**
- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-ST 308.43.
  - THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/2" OSB, INCLUDING AREAS ABOVE AND BELOW OPENINGS.
  - ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT PANELS OCCURRING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING.
  - NAIL SPACING SHALL BE 4" O.C. EDGES AND 8" O.C. IN THE FIELD.
  - TYPE 2 SHEARWALLS ARE DESIGNED FOR THE OPENING IT CONTAINS. MAXIMUM HEIGHT OF OPENING SHALL BE 5/6 TIMES THE WALL HEIGHT. THE MINIMUM DISTANCE BETWEEN OPENINGS SHALL BE THE WALL HEIGHT/3 FOR 8'-0" WALLS (2'-3").

OPENING WIDTH	SILL PLATES	1/4" TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
6'-0" TO 9'-0"	(3) 2x4 OR (1) 2x6	2
9'-0" TO 12'-0"	(5) 2x4 OR (1) 2x6	3

## Shear Wall DETAILS

SCALE: NONE

REVISION:

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N.J. Geisler, Architect

DRAWN:

rfg

MODEL HOME "CHELSEA - B" for:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
FRAMING DETAIL

**NICHOLAS GEISLER ARCHITECT**  
1155 NW Brown Rd.  
Lake City, FL 32825  
407-928-1122

DATE:

2" OCT 2009

COM:

JK946b

SHEET:

A.7

1 OF 9

ARK007005







These drawings, as instruments of service, are the sole property of the architect, and may not be used, copied or reproduced in whole or in part for use on or incorporated within any other job without specific and individual authorization by the architect.

GENERAL NOTES:

1. 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 WARRANT 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 WORKMANSHIP 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 PURPOSE 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 VARIOUS 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 OF THE PROJECT AND THE CONTRACTOR(S) SHALL FILE "NOTICE TO OWNERS" AND PROVIDE "RELEASE OF LIEN" FOR ALL PAYMENT REQUESTS PRIOR TO DISBURSEMENT OF ANY FUNDS.
6. 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.
7. 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.
8. ALL INSULATION SHALL BE LEFT EXPOSED AND ALL LABELS LEFT INTACT ON THE WINDOWS AND DOORS UNTIL INSPECTED BY THE BUILDING OFFICIAL.
9. ALL WOOD IN CONTACT WITH CONCRETE OR MASONRY SHALL BE PRESURE TREATED.
10. INTERIOR BEARING WALLS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333". BATT INSULATION SHALL BE INCLUDED WHERE UNCONDITIONED AREA IS BEING SEPARATED FROM HEATED / COOLED AREA.
11. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-II BATT INSULATION.
12. CEILING OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE SHALL BE 5/8" FIRECODE "C" GIBB ON 1X3 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 CONTR SHALL PREPARE "AS-BUILT" SHOP DUGS INDICATING ALL ELECTRICAL WORK, INCLUDING ANY CHANGES TO THE ELEC. PLAN, ADD'NG TO THE ELEC. PLAN, RISER DIAGRAM, AS-BUILT PANEL SCHEDULE W/ ALL CKTS IDENTIFIED W/ CKT N°, DESCRIPTION & BRKR, SERVICE ENT. & ALL UNDERGROUND WIRE LOCATIONS/ROUTING/DEPTH. RISER DIA. SHALL INCLUDE WIRE SIZES/TYPE & EQUIPMENT TYPE W/ RATINGS & LOADS.  
CONTRACTOR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 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.V.A.C. WORK, INCLUDING ALL DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING REPORT - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER & 1 COPY TO THE PERMIT ISSUING AUTHORITY.
- C. PLUMBING "AS-BUILT" DRAWINGS  
PLUMBING CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP DRAWINGS INDICATING ALL PLUMBING WORK, INCLUDING ALL PLUMBING LINE LOCATIONS AND RISER DIAGRAM - CONTR SHALL PROVIDE 1 COPY OF AS-BUILT DUGS TO OWNER AND 1 COPY TO THE PERMIT ISSUING AUTHORITY.

GENRAL MILLWORK NOTES:

1. MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR T.H.LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS NOTES 1 THRU 6 OF THE GENERAL NOTES, THIS SHEET.
2. SOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE JOB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE B.T.S.
3. AL APPLICABLE STANDARDS OF "AII" QUALITY STANDARDS & GUIDE SFCIFICATIONS" APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
4. ALL "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE OWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FG THIS WORK.
5. MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS PRIOR TO FABRICATING ANY MAT'L'S ON MILLWORK: COMPLETE SET OF SHOP DRAWINGS, SAMPLES OF WD. SPECIES RECEIVING TRANSPARENT FINISH, MFR'S LITERATURE FOR ALL SPECIALTY ITEMS NOT MFD. BY THE ARCHITECTURAL WOODWORK FIRM AND HARDWARE SCHEDULE, SHOWING HARDWARE USED AT EACH LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.
6. PRODUCTS SHALL INCLUDE THE FOLLOWING:  
OFTWOOD - SOLID STOCK PINE, C OR BETTER  
ARDWOOD - SPECIES AS SELECTED BY OWNER  
LYWOOD, OPAQUE FINISH - FIR, GRADE A/B  
LYWOOD, TRANSPARENT FINISH - SPECIES AS SELECTED BY OWNER  
ARTICLE BOARD - HIGH DENSITY, W/ RESIN BINDER  
AM. PLASTIC - MFG, COLORS, PATTERNS & TEXTURES AS SELECTED BY OWNER  
AMINATING ADHESIVES - POLYVINYL ACETATE, UREA-FORMALDEHYDE, CASEIN
7. ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INsofar AS POSSIBLE.
8. PTECT MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO & JOB SITE UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PTECTED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.
9. FABRICATE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOB SITE.
10. INSTALL HARDWARE IN ACCORDANCE WITH MANUF.'S DIRECTIONS. LEAVE OPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.
11. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

GENERAL H.V.A.C. NOTES:

1. SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, GENERAL NOTES/D.12.
2. HVAC SUB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
3. HVAC SYSTEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OTHERWISE BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SUB-CONTRACTOR.
4. HVAC SUB-CONTRACTOR SHALL FURNISH SHOP DUGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
5. IT'S THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFA-90A AND ALL APPLICABLE CODES.
6. FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUM.-INCH W/ 1 3/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE UL LISTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT LIER & WRAPPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION. AL FIBERGLASS DUCT SHALL BE FOILFACED, R42/R36 @ DUCTBOARD.
7. ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
8. ALL AIR DEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL & CEILING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, McALHAIR, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE OWNER.
9. IF REQUIRED BY THE OWNER, THE HVAC SUB-CONTRACTOR SHALL SUPPLY A TEST AND BALANCE REPORT IN ACCORDANCE WITH AIR BALANCE COUNCIL STANDARDS, SIGN AND SEALED BY A REGISTERED ENGINEER.
10. HVAC SUB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE ALL SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL BE APPROVED BY THE EQUIPMENT MFR.
11. ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE DIMENSIONS.
12. ALL EQUIPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESSOR(S) SHALL BE WARRANTED 5 YEARS FROM DATE OF FINAL ACCEPTANCE, BY THE OWNER.
13. ALL WORK IN THIS TRADE SHALL BE COORDINATED WITH ALL OTHER TRADES SO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION OF THE JOB.
14. CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK AIAFLEX INSULATION.
15. FILTERS SHALL BE DISPOSABLE TYPE AND HAVE INITIAL SHARE WEIGHT ARRESTANCE OF 10% AND A CLEAN PRESSURE DROP OF 0.15. PROVIDE 2 SETS, ONE DURING CONSTRUCTION AND ONE FOR USE AT FINAL ACCEPTANCE.
16. HVAC SUB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY COBETS, TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
17. IT'S THE RESPONSIBILITY OF THE HVAC SUB-CONTRACTOR TO COORDINATE LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FIELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
18. COORDINATE W/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE N19, TO ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.

GENERAL PLUMBING NOTES:

1. SUB-CONTRACTORS PROVIDING PLUMBING MATERIALS AND INSTALLATION SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6.
2. ALL WORKMANSHIP AND MATERIALS SHALL BE IN STRICT ACCORDANCE WITH APPLICABLE LOCAL CODES, RULES AND ORDINANCES.
3. ALL MATERIALS SHALL BE NEW.
4. ALL WORK SHALL BE PERFORMED BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORKMANLIKE MANNER. THE COMPLETED SYSTEM SHALL BE FULLY OPERATIONAL.
5. ALL EXCAVATION & BACKFILL AS REQUIRED FOR THIS PHASE OF THE CONSTRUCTION SHALL BE PART OF THE PLUMBING SUB-CONTRACTOR'S RESPONSIBILITIES.
6. PLUMBING FLAT PLANS AND RISER DIAGRAMS (IF INCLUDED) ARE DIAGRAMATIC. DO NOT SCALE THE DRAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
7. ALL WORK SHALL BE COORDINATED WITH OTHER TRADES TO AVOID INTERFERENCE WITH THE PROGRESS OF THE CONSTRUCTION.
8. WATER PIPING SHALL BE TYPE L COPPER UP TO 1", & TYPE K FOR ALL LARGER SIZES. ALL UNDERGROUND PIPING SHALL BE TYPE K COPPER. AT THE OWNER'S OPTION SUPPLY PIPING MAY BE 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 PIPING SHALL BE CAST IRON NO-HUB 30"-12" ABOVE GRADE WITH NEOPRENE GASKETS AND STAINLESS STEEL BANDS & BELL & SPIGOT CAST IRON BELOW GRADE W/ LEAD & OAKUM JOINTS OR AT THE OWNER'S OPTION, P.V.C. SCHEDULE 40. SEE NOTE 12.
11. AIR CONDITIONING CONDENSATE DRAIN PIPING SHALL BE THREADED STEEL PIPE, COPPER DRAIN, WASTE OR VENT PIPE AND FITTINGS, OR P.V.C. SEE NOTE 12, BELOW. INSULATE ALL CONDENSATE PIPING EXCEPT WHERE UNDERGROUND, AND ELECTRIC HEAT WRAP WHERE EXPOSED TO FREEZING CONDITIONS.
12. P.V.C. SCHEDULE 40 PIPE AND FITTINGS MAY BE USED FOR SOIL, WASTE, VENT, RAINWATER OR CONDENSATE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING CODES & OFFICIALS. P.V.C. MAY NOT BE USED TO PENETRATE CHIMNEYS OR FIRE RATED WALLS / CEILINGS.
13. ALL FIXTURES MUST BE PROVIDED WITH READILY ACCESSIBLE STOPS AND WHERE PROVIDED, MARKED ACCESS 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 REQUIRED BETWEEN ALL DISSIMILAR METALS IN PIPING AND EQUIPMENT CONNECTIONS.
16. ISOLATE COPPER PIPING FROM HANGERS OR SUPPORTS W/ HAIR FELT INSULATOR PADS.
17. PROVIDE 1/2" TRAP PRIMER LINE FOR ALL FLOOR DRAINS FROM NEARBY PLUMBING FIXTURE, DO NOT MANIFOLD.
18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
19. PROVIDE COMBINATION COVERFLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BY THE OWNER.
20. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

GENERAL WELL & SEPTIC NOTES:

1. SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES 1 THRU 6, THIS SHEET.
2. LOCATION OF POTABLE WATER WELLS SHALL BE DETERMINED BY THE OWNER IN CONSULTATION WITH THE WELL DRILLING CONTRACTOR. WELLS SHALL NOT BE LOCATED CLOSER THAN 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 MINIMUM 4" WITH BLACK IRON CASING TO A DEPTH OF 80'-4-0". PUMPS SHALL BE OF THE SUBMERSIBLE TYPE. THREE WIRE SYSTEM. MINIMUM HORSEPOWER SHALL BE 1/2 H.P. OR AS DIRECTED BY THE OWNER. MOTOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A 4"x4 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-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHUTOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE.
6. PRESSURE TANK SHALL BE GALVANIZED 82 GALLON CAPACITY, UNLESS DIRECTED OTHERWISE BY THE OWNER.
7. SEPTIC TANK LOCATION & DRAINFIELD INVERT SHALL BE DETERMINED BY THE LOCAL HEALTH DEPARTMENT, IN CONSULTATION W/ THE OWNER.
8. SEPTIC TANKS SHALL BE OF A SIZE & CONSTRUCTION AS DETERMINED BY THE LOCAL HEALTH DEPARTMENT. TANK MAT'L SHALL BE POURED CONCRETE OR FIBERGLASS & AS ALLOWED BY THE SEPTIC TANK PERMIT.
9. SEPTIC DRAINFIELDS SHALL BE CONSTRUCTED TO THE STANDARDS OF THE LOCAL HEALTH DEPARTMENT. DRAINFIELD PIPING SHALL BE CLAY TILE OR P.V.C. OR POLY AS ALLOWED BY THE SEPTIC TANK PERMIT. DRAINFIELD BEDS SHALL BE 3/4" WASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
10. SAND FILTER BEDS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDERS PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR REQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.

ELECTRICAL NOTES: General

1. DO NOT SCALE THE ELECTRICAL DRAWINGS. REFER TO ARCHITECTURAL PLANS AND ELEVATIONS FOR EXACT LOCATION OF ALL EQUIPMENT. CONFORM WITH OWNER.
2. INSTALL ALL ELECTRICAL WORK IN CONFORMANCE WITH THE NEC 1991 EDITION, AND ITS 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 250 OF NEC-1994.
4. INSTALL ONLY COPPER WIRING ON THIS PROJECT; THW, TW, THHN, THHN OR NM CABLE, UNLESS NOTED OTHERWISE. ALL CONDUCTORS 1/2" & SMALLER MAY BE SOLID. ALL CONDUCTORS 3/8" AND LARGER SHALL BE STRANDED TYPE.
5. PROVIDE CONTINUITY OF NEUTRAL ON MULTI-BRANCH CIRCUITS BY SPLICING AND BRINGING OUT A TAP, ASSURING NO OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL - WHITE, GROUND - GREEN, LINE - ALL OTHER COLORS.
7. INSTALL ONLY HIGH POWER FACTOR BALLASTS AT FLUORESCENT FIXTURES.
8. INSTALL GFI BREAKERS OF DEVICES AT ALL BATHROOM, RESTROOM, 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.
11. MOTOR STARTERS SHALL BE MANUAL OR MAGNETIC WITH OVERLOAD 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 AVOID CONFLICTS. COORDINATE WITH HVAC CONTRACTOR AND ELECTRONICS SYSTEMS CONTRACTORS SO THAT A COMPLETE, FUNCTIONING SYSTEM IS INSTALLED, IN EACH CASE, WITH NO EXTRA COST TO THE OWNER.
17. EMERGENCY LIGHTING AND EXIT SIGNS, IF INDICATED ON THE PLANS, SHALL BE WIRED PER NEC 100-12F.
18. ALL PANEL SCHEDULES SHALL BE FULLY FILLED OUT AND SHALL BE TYPEWRITTEN. EA. CIRCUIT SHALL BE CLEARLY IDENTIFIED 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 HVAC SYSTEM AS PER MANUFACTURER'S RECOMMENDATIONS. CONTROLS ARE TO BE SUPPLIED BY THE HVAC 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 CIRCUITS AND ROUTING OF CONDUITS AND WIRING TO SUIT JOB CONDITIONS, AND BALANCE THE JOB, THROUGHOUT.
27. 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, FULL BOXES SHALL BE INSTALLED SO THAT NO FULL 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.

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES  
WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:  
FOOTING DESIGN IS BASED UPON 1200PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS: 1a: CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFICATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 30PSF, ROOF: AS DETERMINED BY SHAPE FACTOR APPLIED TO THE WIND FORCE GENERATED BY THE DESIGN WIND SPEED.

BUILDING CODE: 2004 FLORIDA BUILDING CODE

ELECTRICAL CODE: NATIONAL ELECTRICAL CODE - LATEST  
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 DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT PRIOR TO THE COMMENCEMENT OF ANY WORK OR FABRICATION 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 SPECIFICATION ON THE PLANS.

INORGANIC ARSENICAL PRESSURE TREATED WOOD

SOME FRAMING MATERIALS SPECIFIED FOR THE CONSTRUCTION OF YOUR PROJECT SUCH AS GILLS OR EXTERIOR FRAMING ARE PRESSURE TREATED. 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 ARSENIC PRESSURE TREATED WOOD, PLEASE REFER TO THE EPA MATERIAL SAFETY SHEET DEALING WITH THIS PRODUCT.

General Roofing NOTES:

DECK REQUIREMENTS:  
ASPHALT SHINGLES SHALL BE FASTENED TO SOLIDLY SHEATHED DECKS.

SLOPE:  
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 IS REQUIRED.

UNDERLAYMENT:  
UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE I, OR ASTM D 4863, TYPE I.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:  
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1910.

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

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.

ATTACHMENT:  
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:  
FOR ROOF SLOPES FROM 2:12 TO 4:12, UNDERLAYMENT SHALL BE A MINIMUM OF TWO LAYERS APPLIED AS FOLLOWS:  
1. STARTING AT THE EAVE, A 19 INCH STRIP OF UNDERLAYMENT SHALL BE APPLIED PARALLEL WITH THE EAVE AND FASTENED SUFFICIENTLY TO STAY IN PLACE.  
2. STARTING AT THE EAVE, 36 INCH WIDE STRIPS OF UNDERLAYMENT FELT SHALL BE APPLIED OVERLAPPING SUCCESSIVE SHEETS 19 INCHES AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

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 FASHION PARALLEL TO THE EAVE, LAPPED 2 INCHES, AND FASTENED SUFFICIENTLY TO STAY IN PLACE.

BASE AND CAP FLASHINGS:  
BASE AND CAP FLASHING SHALL BE INSTALLED IN ACCORDANCE W/ MFR'S INSTALLATION INSTRUCTIONS. BASE FLASHING SHALL BE EITHER CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS 0.019 INCH OR MINERAL SURFACE ROLL ROOFING WEIGHING A MINIMUM OF 71 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

VALLEYS:  
VALLEY LININGS SHALL BE INSTALLED IN ACCORDANCE W/ MANUFACTURER'S INSTALLATION INSTRUCTIONS BEFORE APPLYING ASPHALT SHINGLES. VALLEY LININGS OF THE FOLLOWING TYPES SHALL BE PERMITTED.  
1. OPEN VALLEYS LINED WITH METAL: THE VALLEY LINING SHALL BE AT LEAST 16" WIDE AND OF ANY OF THE CORROSION RESISTANT METALS IN FBC TABLE 1507.3.2.  
2. OPEN VALLEYS: VALLEY LINING OF TWO PLYS OF MINERAL SURFACE ROLL ROOFING SHALL BE PERMITTED. THE BOTTOM LAYER SHALL BE 18 INCHES AND THE TOP LAYER A MINIMUM OF 36 INCHES WIDE.  
3. CLOSED VALLEYS: VALLEY LINING SHALL BE ONE OF THE FOLLOWING:  
1. BOTH TYPES 1 AND 2 ABOVE, COMBINED.  
2. ONE PLY OF SMOOTH ROLL ROOFING AT LEAST 36 INCHES WIDE AND COMPLYING WITH ASTM D 224.  
3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1910.

REVISIONS

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N. Geisler, Architect

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MODEL HOME "CHELSEA" - 511 For:  
**CHAMBERS CONTRACTING**  
COLUMBIA COUNTY, FLORIDA  
**GENERAL NOTES**

**NICHOLAS K. GEISLER**  
ARCHITECT  
N.C.A.R.B. CERTIFIED  
Title: 10/01/2004  
10/01/2004

DATE:  
11 OCT 2005

CODE:  
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