Foundation PLAN

SHEAR WALL SEGMENTS, SEE AS, 5

(ALL EXT. WALLS, LESS DOOR OPENINGS)

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

THE DESIGN WIND SPEED FOR THIS

PROJECT IS 110 MPH PER FBC 1609

AND LOCAL JURISDICTION REQUIREMENTS

ADDED FILL SHALL BE APPLIED IN 8" LIFTS -

EA. LIFT SHALL BE CONPACTED TO 98% DRY

COMPACTION PER THE "MODIFIED PROCTOR"

I COPY TO THE PERMIT ISSUING AUTHORITY.

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

H.V.A.C. CONTRACTOR SHALL PREPARE "AS-BUILT" SHOP

DRAWINGS INDICATING ALL H.Y.A.C. WORK, INCLUDING ALL

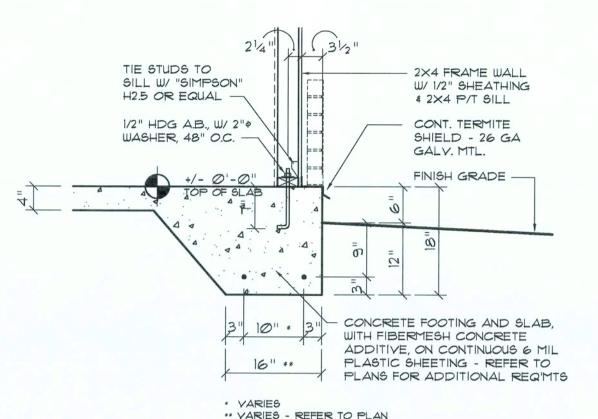
TO OWNER & I COPY TO THE PERMIT ISSUING AUTHORITY.

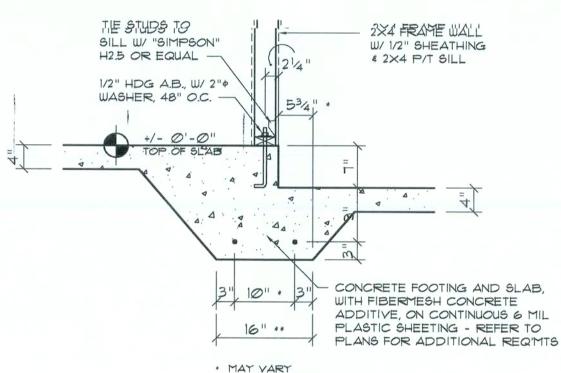
DUCTWORK LOC., SIZES, LINES, EQUIPMENT SCH. & BALANCING

REPORT - CONT'R SHALL PROVIDE I COPY OF AS-BUILT DWGS

NOTE!

METHOD.





" VARIES - REFER TO PLAN

Typ. Mono. Ftg. DET.

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

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

ROOF DECKING

Material: 7/16" 0.5.B. Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing Fasteners: 8d Common Nails per schedule on sheet A.6

SHEARWALLS

Material: 7/16" O.S.B. Sheet Size: 48"x97" (109") (121") Sheets Placed Vertical Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C. Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

Truss Anchors: Simpson H2.5a @ Ea. Truss End (Typ. U.O.N.) Wall Tension: Wall Sheath'g Nailing is Adequate - 8d @ 4" O.C. Top & Bot. Anchor Bolts: 1/2" A307 Bolts @ 48" O.C. Corner Hold-down Device: 1 - 1/2" All-Thread Rod ea. corner from FND

thru Plate, w/ 3" sq. Washer @ Plate Porch Column Base Connector: Simpson ABU66 @ each column Porch Column to Beam Connector: Simpson EPC66 @ each column

FOOTINGS AND FOUNDATIONS

Footing: 16"x16" Cont. W/2-#5 Bars Cont. & Wire Chairs @ 48" O.C.

ALL WIND LOADS ARE IN ACC FLORIDA BUILDING (ORDANCE WITH SECTION 1609 CODE, 2004 EDITION.
BASIC WIND SPEED:	IIØ MPH
WIND IMPORTANCE FACTOR (1):	= 1.00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- Ø.18
MWFRS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OP'NGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.

- 2. 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 PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- 3. CLEAN SAND FILL OVER STRIPPED AND COMPACTED EXISTING GD. SHALL BE PLACED IN 12" LIFTS. BOTH SUB-SOIL AND FILL COMPAC-TION SHALL BE NOT I ESS THAN 98% AS MEASHDED BY A MODISIED PROCTOR TEST AT THE RATE OF ONE TEST FOR EACH 1500 SF OF BUILDING PAD AREA, OR FRACTION THEREOF, FOR EACH 12" LIFT.
- 4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- 5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
- 6. CONCRETE SHALL BE STANDARD MIX F'C = 3000 PSI FOR ALL FTGS. SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'c = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACE-MENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- 1. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH F'm = 1500 PSI.
- 8. MORTAR SHALL BE TYPE "M" OR "N" FOR ALL MASONRY UNITS.
- 9. STRUCTURAL STEEL SHALL CONFORM TO ASTM A36 STANDARDS FOR STRENGTH, BOLTS SHALL BE ASTM A307 / GRADE I OR A325, AS PER PLAN REQUIREMENTS.
- 10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

REVISION:

06 OCT 2006

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DRAWN:

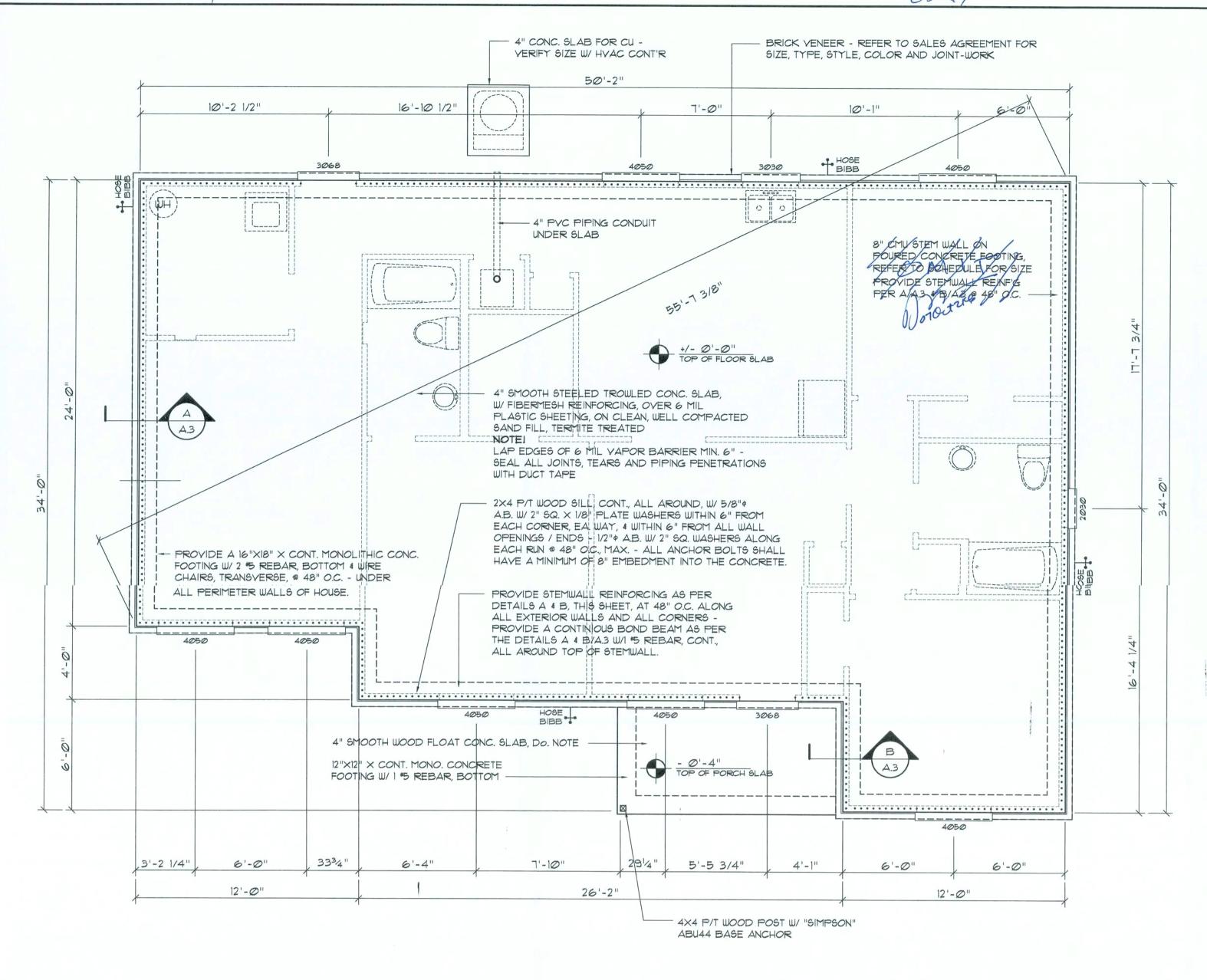
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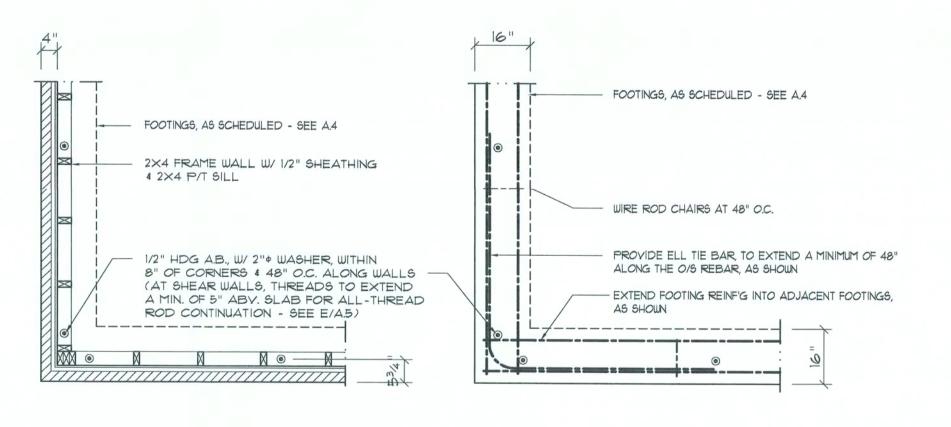
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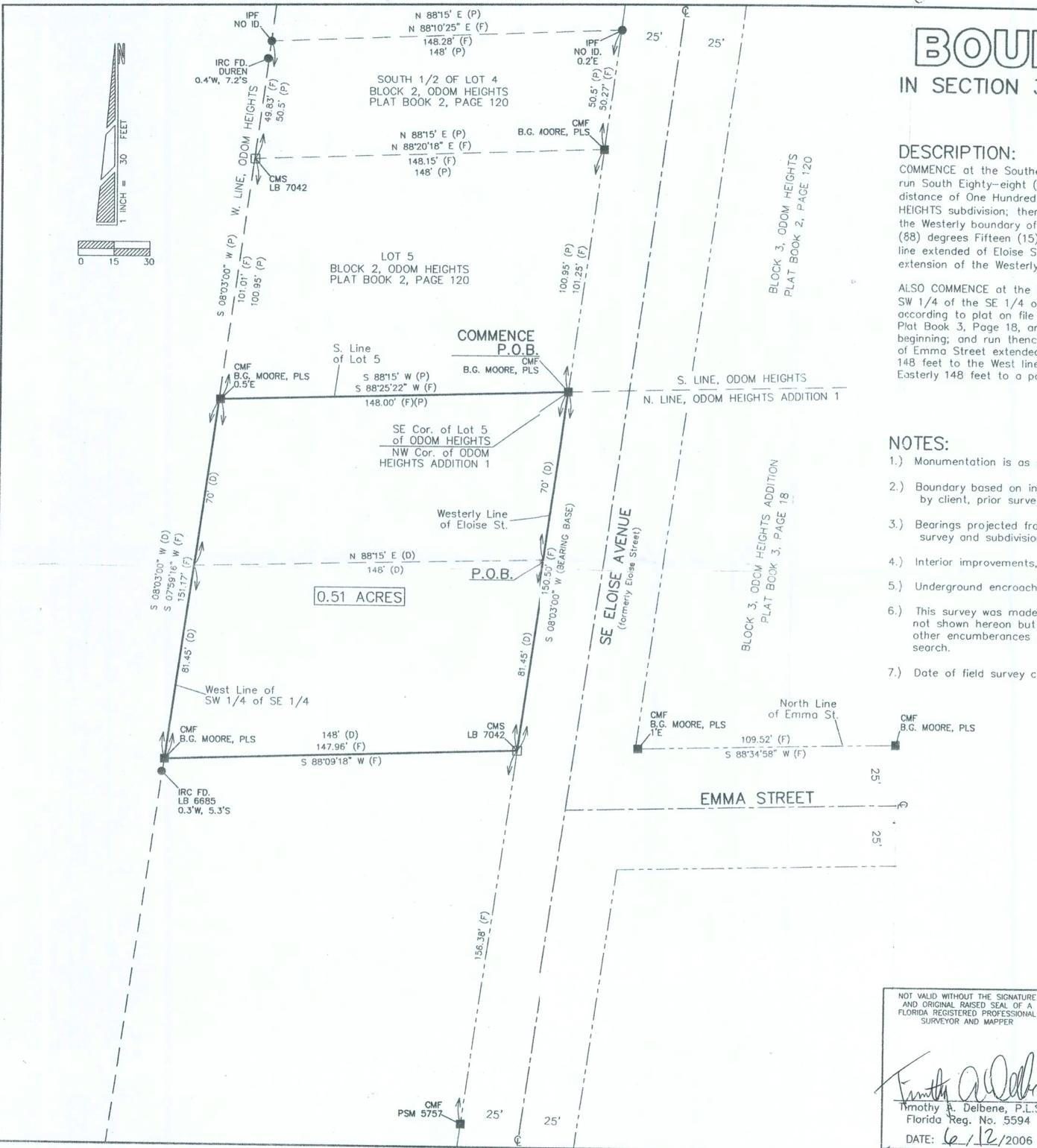
3 of 6

AR0007005





Wall/Foundation Reinf'g DETAIL SCALE: NONE



BOUNDARY SURVEY

IN SECTION 33, TOWNSHIP 3 SOUTH, RANGE 17 EAST COLUMBIA COUNTY, FLORIDA

COMMENCE at the Southeast corner of said! Lot Five (5), ODOM HEIGHTS, for a POINT OF BEGINNING, thence run South Eighty-eight (88) degrees Fifteem (15) minutes West, along the South line of said Lot Five (5) a distance of One Hundred Forty-eight (148) feet to the Westerly boundary line extended of said ODOM HEIGHTS subdivision; thence run South Eighlt (8) degrees Three (3) minutes West, along said extension of the Westerly boundary of Odom Heights, a (distance of Seventy (70) feet; thence run North Eighty-eight (88) degrees Fifteen (15) minutes East a distance of One Hundred Forty-eight (148) feet to the Westerly line extended of Eloise Street; thence run North Eight (8) degrees Three (3) minutes East, along said extension of the Westerly line of Eloise Street a distance of Seventy (70) feet to the POINT OF BEGINNING.

ALSO COMMENCE at the Northwest corner of Odom Heights Addition No. 1, a subdivision of a part of the SW 1/4 of the SE 1/4 of Section 33, Township 3 South, Range 17 East, Columbia County, Florida, according to plat on file in the office of the Clerk of the Circuit Court in and for said Columbia County in Plat Book 3, Page 18, and run Southerly along the West line of Eloise Street 70 feet for a point of beginning; and run thence Southerly along the West line of said Eloise Street 81.45 feet to the North line of Emma Street extended Westerly; thence Westerly along the North line of said Emma Street extended 148 feet to the West line of said Section 3;3; thence Northerly along said Section line 81.45 feet; thence Easterly 148 feet to a point of beginning.

- 1.) Monumentation is as shown and designatted on the face of the plat.
- 2.) Boundary based on instruction from cliernt, monumentation found in place, parent tract description furnished by client, prior survey and subdivision by B.G. Moore, PLS.
- 3.) Bearings projected from West Right-of-Way line of SE Eloise Avenue and based on above referenced prior survey and subdivision by B.G. Moore, PILS.
- 4.) Interior improvements, if present, were not located with this survey.
- 5.) Underground encroachments, if present, were not located with this survey.
- 6.) This survey was made without benefit of: a title search. There may be additional easements, restrictions, etc. not shown hereon but found in the Public Records. Issues regarding title, land use & zoning, easements & other encumberances are not a part of the scope of a Boundary Survey and can only be revealed with a title
- 7.) Date of field survey completion: June 77, 2006.

LEGEND CMF=CONNCRETE MONUMENT FOUND
CMS=CONNCRETE MONUMENT SET
IPF=IRONN PIPE FOUND
IPS=IRONN PIPE SET
PLS=PROFESSIONAL LAND SURVEYOR
R.SM. #FPROFESSIONAL SURVEYOR & M/
R/W=RIGGHT-OF-WAY
& =CENTER LINE
R/=PROFERTY LINE
PP=POMMER POLE
SP=SERVICE POLE
IPD=TELLEPHONE PEDESTAL
IRC=IRONN REBAR & CAP
R=RADIUS OF CURVE
L=LENCTITH OF CURVE
(P)=PLAT MEASUREMENTS
NO ID=NO IDENTIFICATION OH ELEC=OVERHEAD ELECTRIC LINE
OH TEL=OVERHEAD TELEPHONE LINE
SEC = SECTION
RGE = RANGE TWP .= TOWNSHIP NE-NORTHEAST NW-NORTHWEST SW-SOUTHWEST SE-SOUTHEAST LB-LICENSED BUSINESS
P.O.B. POINT OF BEGINNING
A-DELTA ANGLE, CENTRAL ANGLE
T-TANGENT OF CURVE (F)=FIELD MEASUREMENTS (D)=DEED MEASUREMENTS FD.=FOUND

CAD FILE: 5025B.DWG



Donald F. Lee and Associates, Inc.

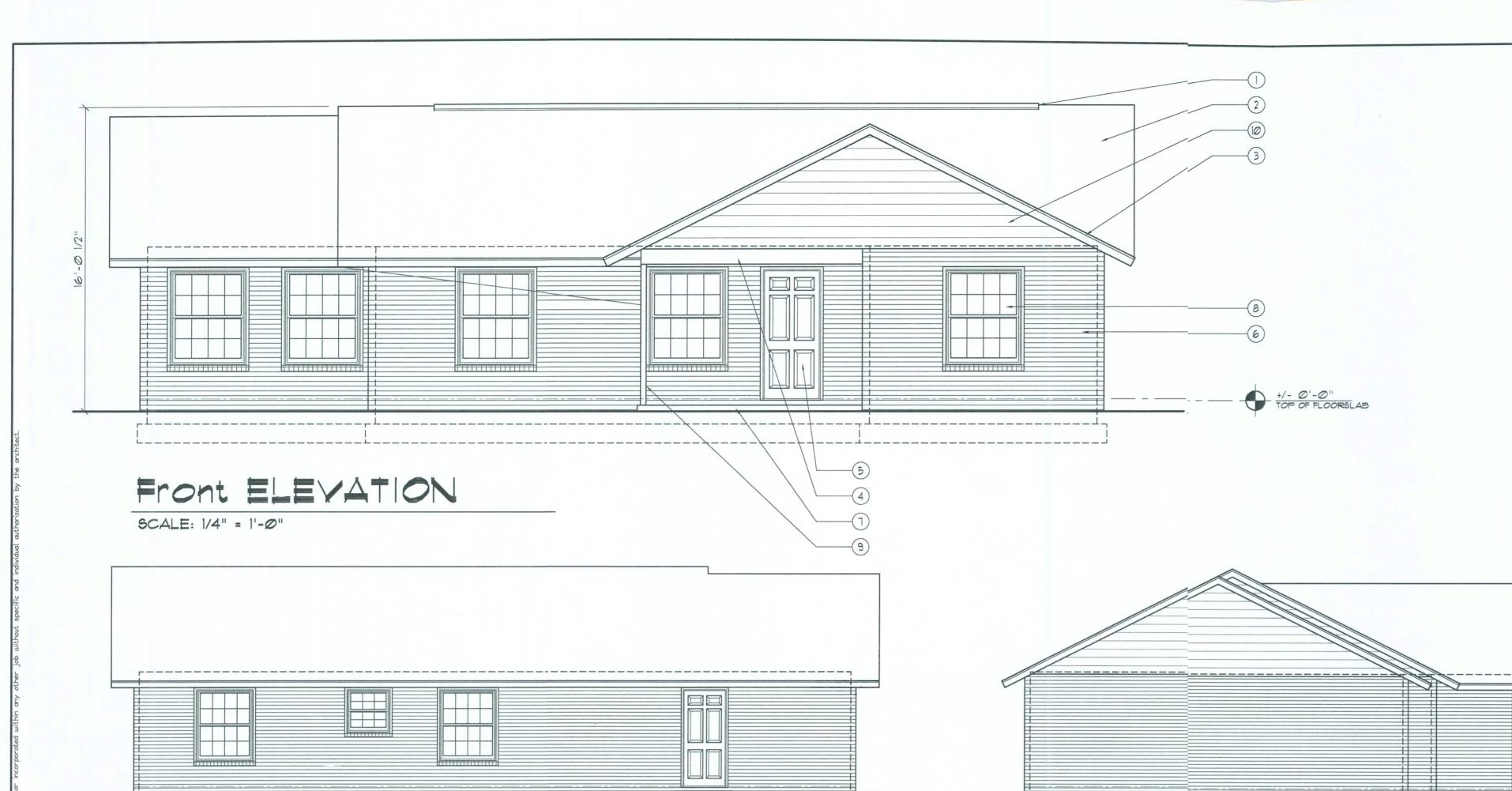
SURVEYORS ENGINEERS 140 Northwest Ridgewood Avenue, Lake City, Florida 32055

Phone: (386) 755-6166 FAX: (386) 755-6167 Certificate of Authorization # LB 7042

Date: 06/08//2006 Drafting: A V G Computations: A V G Checked: T A D

GLENNIS POUNDS

Scale: 1"=30' Field Book: 06-501 Work Order: 06-5025 File: A-39-28



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:

- O CONT. RIDGE VENT TO MATCH ROOFING
- 2 FINISH ROOFING AS SELECTED BY OWNER
- 4 PORCH BEAM SEE PLANS FOR SIZE
- 5 STEEL ENTRY DOOR, STYLE AS SELECTED BY THE OWNER - PAINTED FINISH 6 BRICK VENEER - COLOR, STYLE & PATTERN
- FINISH & TOOLED EDGES
- VINYL SIDING, STYLE & COLOR AS SELECTED BY THE OWNER

- 3 MTL. FLASHING ON IX6 CYPRESS FASCIA

- AS SELECTED BY THE OWNER 1 CONCRETE PORCH DECK, W/ WOOD FLOAT
- 8 SINGLE HUNG ALUMINUM WINDOWS W/ DBL. GLAZING, AS SELECTED BY OWNER
- 9 PORCH POST SEE PLANS FOR SIZE

Right Side ELEVATION



Left Side ELEVATION

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

WI	NDOW SCHEDULE			
MARK	DESCRIPTION	INSTALLATION	MODEL	
2030	SINGLE HUNG ALUM! SASH W/ INSUL. GLASS	1" ROOFING NAILS - 3 PER FLANGE, MAX. 18" O.C.	SERIES 650	-
3030	SINGLE HUNG ALUMI. 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 ALUMI. SASH W/ INSUL. GLASS	I" ROOFING NAILS - 5 PER FLANGE, MAX. 18" O.C.	SERIES 650	_
4050	SINGLE HUNG ALUMI SASH W/ INSUL. GLASS	I" ROOFING NAILS - 4 PER FLANGE, MAX. 18" O.C.	SERIES 650	-

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

- OTHER MANUFACTURERS/PRODUJCTS SHALL BE CONSIDERED AS EQUAL IF THEIR WIND DESIGN PERFORMANCE MEETS OR EXCEEDS THESE UNITS, NOTE, VERIFY ROUGH OPENING WINDOW REQUIREMENTS PRIOR TO CONSTRUCTION.

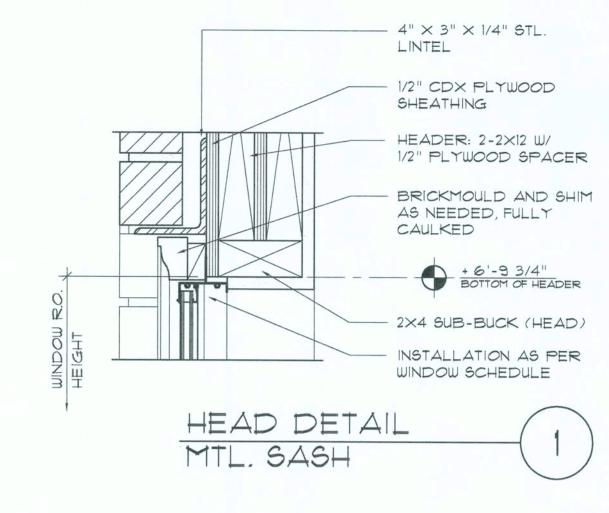
NOTE !!!

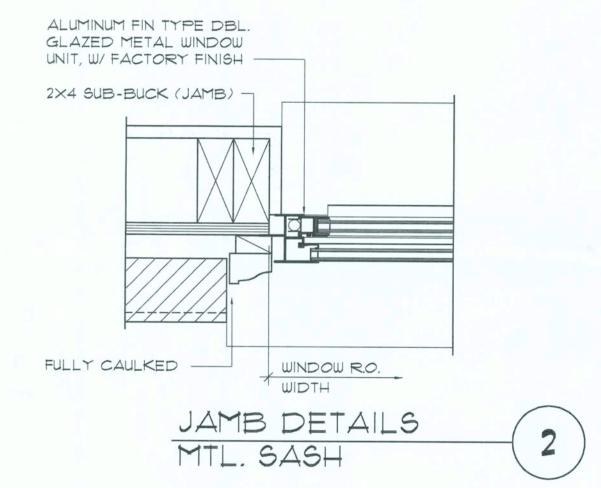
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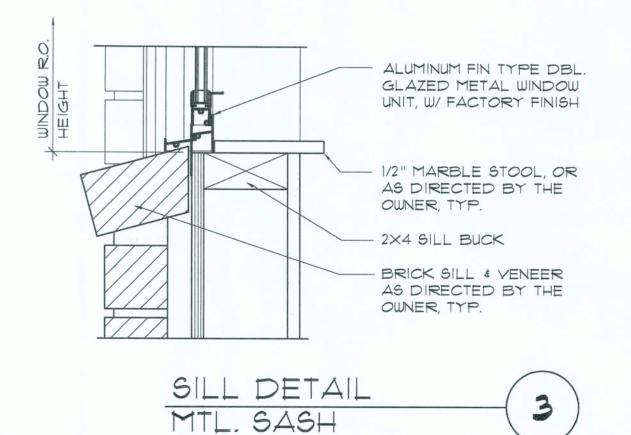
SERIES ENTERGY 6-8 W/E INSWING OPAQUE RESIDENTIAL INSULATED STEEL DOOR W/ STEEL FRAME AS MFG'D BY "PREMDOR ENTRY SYSTEMS"

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









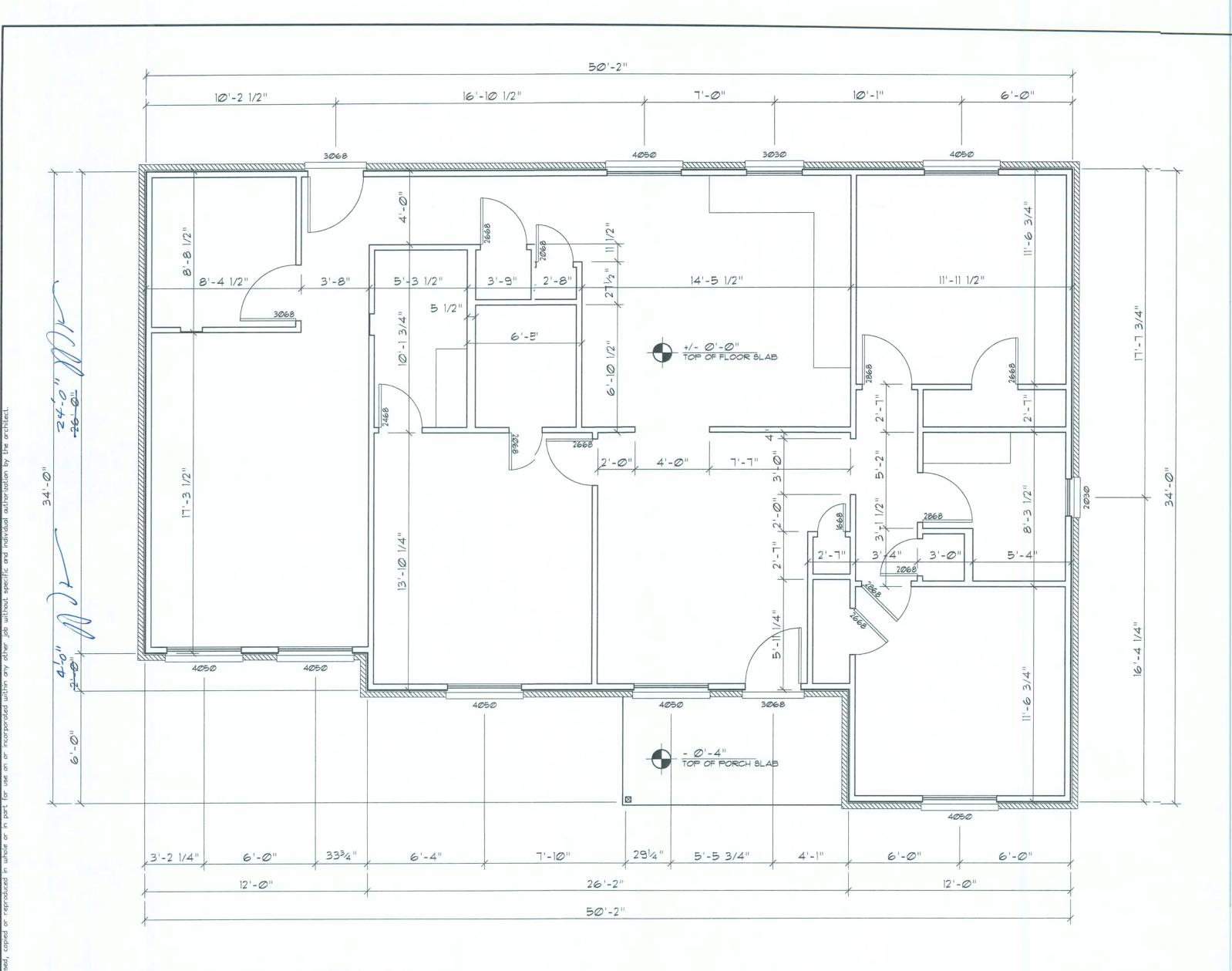
DATE: 19 SEP 2006

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Dimension PLAN

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

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

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

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.

AREA CALCULATION

GROSS LIVING AREA: COVERED PORCH AREA:	1452.7 SF 68.3 SF
TOTAL AREA:	1521.Ø St

ELECTRICAL PLAN NOTES

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

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

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.

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 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. ALL RECEPTICALS IN ALL BEDROOMS SHALL BE ARC FAULT INTERRUPTER TYPE (AFI).

ALL RECEPTICALS IN KITCHEN AND BATHS SHALL BE GROUND FAULT INTERRUPTER TYPE (GFI).

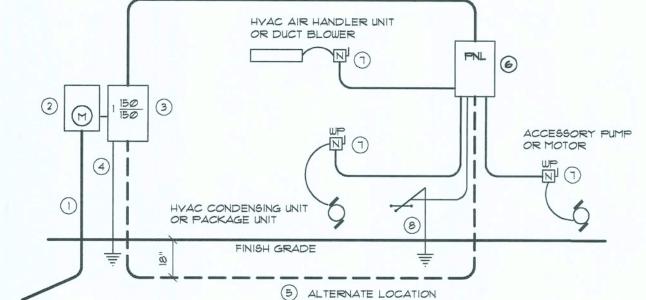
ALL EXTERIOR RECEPTICALS SHALL BE WEATHERPROOF GROUND FAULT INTERRUPTER TYPE (WP/GFI).

Electrical SYMBOLS

- \$ SPST WALL SWI'ITCH
- \$3 DPDT WALL SWUITCH (3-WAY)
- DUPLEX WALL RECEPTACLE
- P 240V OUTLET
- PE WEATHER PROGOF GFI DUPLEX RECEPT.
- DUPLEX WALL I RECEPTACLE, 1/2 SWITCHED
- MOTOR ELECTRICAL PANEL
- ØEF. EXHAUST FAN
- INC. LIGHT FIXTURE
- 0
 - SWITCH/FIXTURE WIRING CONTROL WIRE: - LOW VOLTAGE
 - NON-FUSED DISC. SWITCH
 - ▼ TELEPHONE

- DUPLEX WALL RECPT., BELOW COUNTER
- $\Phi^{_{GFI}}$ gnd fault interrupter duplex recept.

- DBL. LAMP INCS. FLOOD LIGHT
- CEILING FAN, WI/ INC. LIGHT FIXTURE
- SMOKE DETECTION, 120V 4 TUBE FLU. PRZISMATIC WRAP SURFACE FIXTURE
- DO CHIME D- MOMENTARY PUSHBUTTON SWITCH, LIGHTED
- TELEVISION OUTLET
- THYAC THERMOSSTAT, 9 60" AFF



HVAC CLOS 3'0" × 2'8" —

MASTER BEDROOM 12'0" × 13'6"

LAUNDRY 1'8" × 8'1"

FAMILY ROOM 11'8" × 16'11"

Floor PLAN

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

PANTRY W/6 SHELVES

COATS -

Service/Feeder Entrance Conductors: 2½" 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

- (2) Meter Enclosure, weatherproof, U.L. Listed.
- 3) Main Disconnect Switch: fused or Main BRKR, weatherproof,
- 4 Service entrance Ground: \(^5\gamma\)" \(^p\) 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) 150 AMPERE SERVICE: 3-*1-USE-Cu, 1-*6-Cu-GND, 1/2" Conduit.
- (6) House Panel (PNL), U.L. Lised, sized per schedule. (7) 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 with the Service Ground Conductor.

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

ELECTRICAL RISER DIAGRAM: 150A SCALE: NONE

FIFCTRICAL COMPUTATIONS

BEDROOM Nr. 2

BEDROOM Nr. 3

 $11'4" \times 11'2"$

General Lighting/Receptacles \emptyset 3w, 1521.0 sf \times 3w =	4563.0ш	
Washer Circuit	1500.0W	
Dishwasher Circuit	1500.0W	
Sm. Appliance Circuits (3 @ 1500w)	4500.0w	
Sub-Total	12063.0w	
lst 3KW @ 100%		3000.0
Bal. of KW @ 35%		3172.0
Fixed Appliances:		
Refrigerator	1200.0w	
Clg. Fans (5 @ 200w)	1000.0w	
Water Well Pump	1200.0w	
EWH	4500.0W	
Spares (8 @ 400w)	3200.0w	
Sub-Total	11100.0w	
Load @ 75% D.F.		8325.0
100% Demand Factor Loads:		
Dryer		5000.0
Range		8000.0
HVAC System (8.0km Strip Heat)	8000.0
Total Demand Load:		35497.0

SERVICE SIZE: 35497.0w / 240v = 147.90 Amperes

USE: 3 #1 THW w/ 1 #6 Cu GND / 21/2" C.

PANEL SCHEDULE

Cir. Nr.	Location	Trip Poles	Wire Size	Load
1-8	Lighting/Recept.	15A/IP	14NM	4563W
9	Dishwasher	п	11	1500W
10-12	Sm. Kit. Appliances	20A/IP	12NM	4500W
13-14	Ceiling Fans	15A/IP	14NM	1200W
15,17	EWH	30A/2P	IONM	3000W
16	Refrigerator	15A/IP	14NM	1200W
18	Spare	-	-	400W
19,21	Range	50A/2P	6NM	8000W
20,22	Water Well	20A/2P	12NM	1200W
23,25	Dryer	30A/2P	IONM	5000W
24,26	HYAC CU	40A/2P	8NM	(3600W)
27,29	HYAC AHU	45A/2P	8NM	8000W
30-36	Spare	_	_	2800W
37-40	Space	_	_	ØW

DRAWN:

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REVISION:



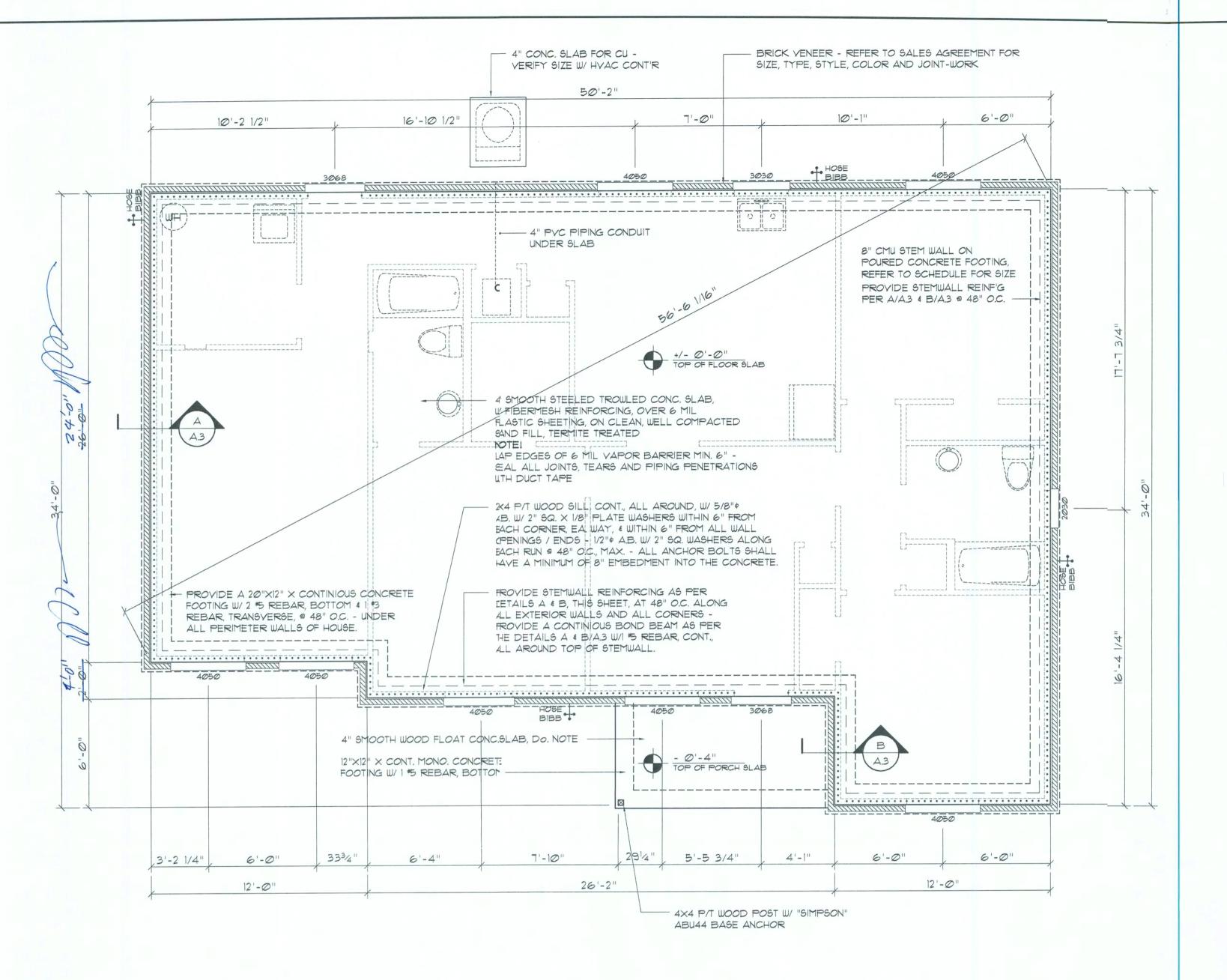
DATE: 19 SEP 2006

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4" THK 2500 PSI CONCRETE SLAB
W/ FIBERMESH CONCRETE ADDITIVE,
OVER TREATED, CLEAN COMPACTED FILL

*5 ELLS X 18" X 18" © 48" O.C. MAX.

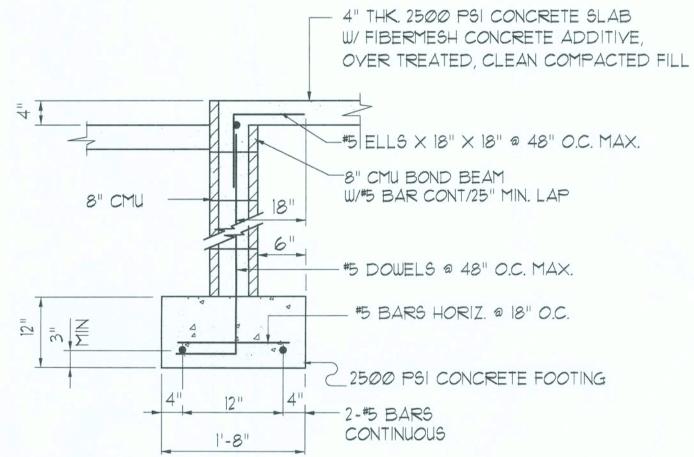
8" CMU BOND
BEAM W/*5 BAR
CONT/25" MIN. LAP

6" *5 DOWELS © 48" O.C. MAX.

*3 BARS HORIZ. © 48" O.C.

2500 PSI CONCRETE FOOTING
12" 4" 2-#5 BARS
CONTINUOUS

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





Foundation PLAN

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

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

NOTE

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

AND LO

METHOD.

NOTE!

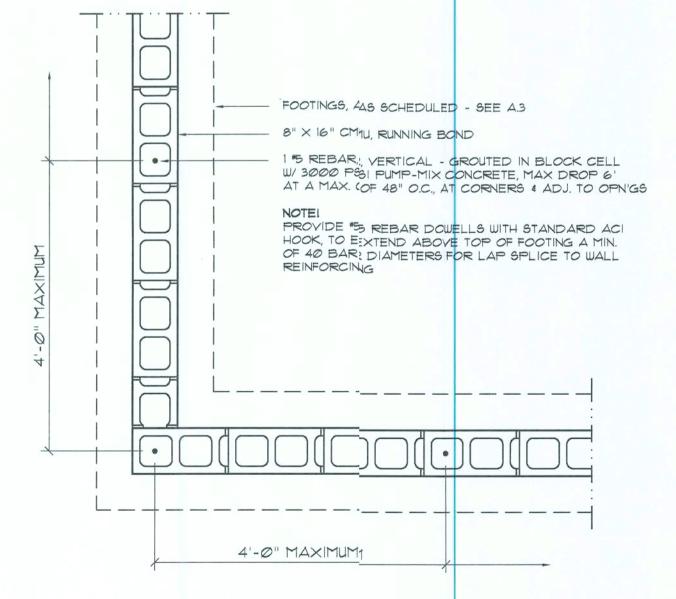
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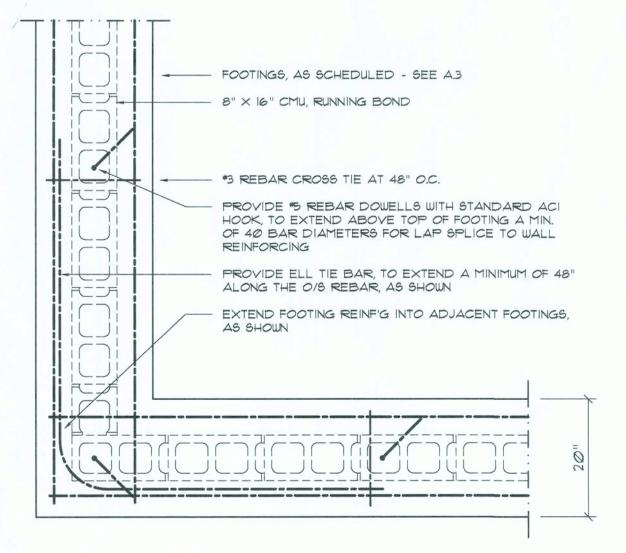
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NOTE

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Wall/Foundation Reinf'g DETAIL

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

FLORIDA BUILDING CODE

Compliance Summary

TYPE OF CONSTRUCTION

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

ROOF DECKING

Material: 7/16" O.S.B.

Sheet Size: 48"x96" Sheets Perpendicular to Roof Framing
Fasteners: 8d Common Nails per schedule on sheet A.6

SHEARWALLS

Material: 7/16" O.S.B.

Sheet Size: 48"x97" (109") (121") Sheets Placed Vertical
Fasteners: 8d Common Nails @ 4" O.C. Edges & 8" O.C. Interior
Dragstrut: Double Top Plate (S.Y.P.) W/16d Nails @ 12" O.C.
Wall Studs: 2x4 Hem Fir Studs @ 16" O.C.

HURRICANE UPLIFT CONNECTORS

FOOTINGS AND FOUNDATIONS

Truss Anchors: Simpson H2.5a @ Ea. Truss End (Typ. U.ON.)

Wall Tension: Wall Sheath'g Nailing is Adequate - 8d @ 4" O.C. Top & Bot.

Anchor Bolts: 1/2" A3ØT Bolts @ 48" O.C.

Corner Hold-down Device: 1 - 1/2" \$\text{All-Thread Rod ea. corner from FND} \text{thru Plate, w/ 3" sq. Washer @ Plate}

Porch Column Base Connector: Simpson ABU66 @ each column

Porch Column to Beam Connector: Simpson EPC66 @ each column

Footing: 20"x10" Cont. W/2-#5 Bars Cont. & Wir Chairs @ 60" O.C. Stemwall: 8" C.M.U. W/1-#5 Vertical Dowel @ 48" O.C.

ALL WIND LOADS ARE IN ACC FLORIDA BUILDING (ORDANCE WITH SECTION 1609 CODE, 2004 EDITION.
BASIC WIND SPEED:	110 MPH
WIND IMPORTANCE FACTOR (1):	= 1,00
BUILDING CATAGORY:	CATAGORY II
WIND EXPOSURE:	"B"
INTERNAL PRESSURE COEFFICIENT:	+/- Ø.18
MWFRS PER TABLE 1609.2A (FBC 2004) DESIGN WIND PRESSURES:	ROOF: - 23.1 PSF WALLS: + 26.6 PSF EAVES: - 32.3 PSF
COMPONENTS & CLADING PER TABLES 1609.2B & 1609.2C (FBC 2004) DESIGN WIND PRESSURES:	OP'NGS: + 21.8 / - 29.1 PSF EAVES: - 68.3 PSF ROOF: + 19.9 / - 25.5 PSF

CONCRETE / MASONRY / METALS GENERAL NOTES:

1. DESIGN SOIL BEARING PRESSURE: 1000 PSF.

- 2. 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 PREFORMED TO DETERMINE THE SUITABILITY OF THE SUB-GRADE TO SUPPORT THE DESIGN LOADS.
- 3. 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.
- 4. REINFORCING STEEL SHALL BE GRADE 60 AND MEET THE REQUIRE-MENTS OF ASTM A615, ALL BENDS SHALL BE MADE COLD.
- 5. WELDED WIRE MESH SLAB REINFORCING SHALL MEET THE REQUIRE-MENTS OF ASTM A185 - MIN. YEILD STRESS = 85 KSI.
- 6. CONCRETE SHALL BE STANDARD MIX F'C = 3000 PSI FOR ALL FTGS, SLABS, COLUMNS AND BEAMS OR SHALL BE STANDARD PUMP MIX F'C = 3000 PSI. STRENGTH SHALL BE ATTAINED WITHIN 28 DAYS OF PLACEMENT. MIXING, PLACING AND FINISHING SHALL BE AS PER ACI STANDARDS.
- 7. CONCRETE BLOCK SHALL BE AS PER MANUFACTURER'S PRODUCT GUIDE FOR ASTM C-90 REQUIREMENTS WITH MEDIUM SURFACE FINISH -F'm = 1500 PSI.
- 8. 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 A3ØT / GRADE 1 OR A325, AS PER PLAN REQUIREMENTS.
- 10. WELDS SHALL BE AS PER "AMERICAN WELDING SOCIETY" STANDARDS FOR STRUCTURAL STEEL APPLICATIONS.

REVISION:

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DRAWN:

ipg

AROUND LAKE CITY, FLORID

Lic. #RR0066502

Lic. #RR0066502

HICHARD COX - 386-756-7200

ICHOLAS
PAUL
GEISLER
1758 NW Brown Rd.

DATE

19 SEP 2006

2K644

SHEET:

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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

NOTE!

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 B ON SHEET A.4

NOTE!

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

NOTE!

REFER TO THE WINDOW/DOOR HEADER SCHEDULE ON SHEET A.5 FOR ALL MINIMUM SIZE HEADERS AND ALTERNATES MINIMUM SIZE ALLOWABLE IS 2-2×10.

NOTE

PROVIDE STEEL LINTELS AT ALL WINDOW/DOOR HEADS TO CARRY BRICK, ABOVE: L $4 \times 3 \times 1/4$ " FOR SPANS UP TO 8'-0" AND L $4 \times 3 \times 3/8$ " FOR SPANS UP TO 12'-0": LENGTH = SPAN + 8"

ROOF PLAN NOTES

2-1 ALL ROOF PITCH 6/12

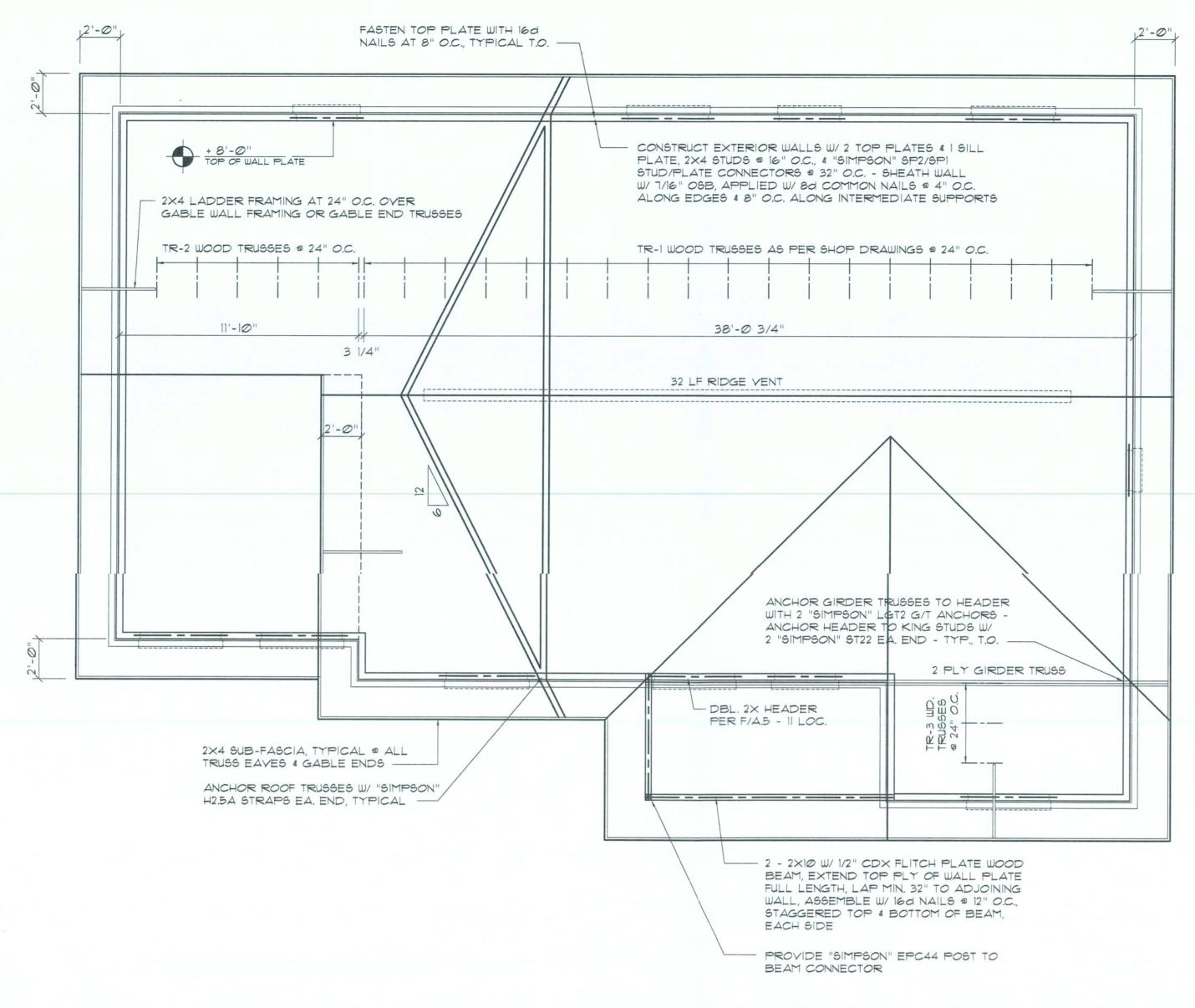
R-2 ALL OVERHANG 24"
UNLESS OTHERWISE NOTED

R-3 PROVIDE ATTIC VENTILATION IN AC-

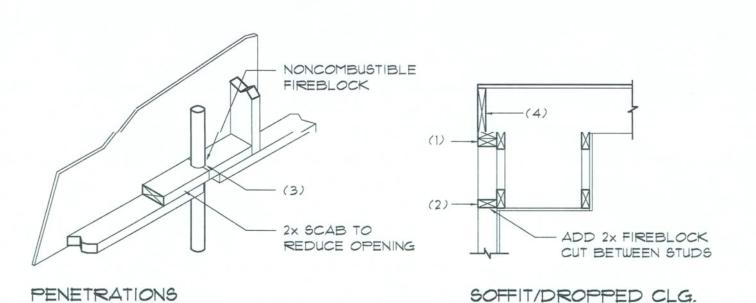
R-4 MOVE ALL VENTS AND OTHER ROOF PENETRATIONS TO REAR

GENERAL TRUSS NOTES

- I. TRUSSES SHALL BE DESIGNED BY A LICENSED ENGINEER, AND IN ACCORDANCE WITH THE REQUIREMENTS OF THE "NATIONAL FOREST PRODUCTS ASSOCIATION" MANUAL FOR "STRESS RATED LUMBER AND IT'S CONNECTIONS", LATEST Ed., ALONG W/ THE "TRUSS PLATE INSTITUTE" SUGGESTED GUIDELINES FOR TEMPORARY AND PERMANENT BRACING, AND HANDLING OF TRUSSES. TRUSS SHOP DRAWINGS SHALL INCLUDE TRUSS DESIGN, PLACEMENT PLANS, DETS, & TRUSS TO TRUSS CONNECTIONS.
- 2. TRUSS SHOP DRAWINGS SHALL BE SIGNED & SEALED BY THE DESIGNING ENGINEER.
- 3. FOLLOWING DEVELOPMENT OF TRUSS SHOP DRAWINGS, ADJUSTMENTS TO THE ANCHOR REQUIRMENTS MAY BE REQUIRED DEPENDING ON THE ENGINEERED GRAVITY AND WIND UPLIFT REQUIREMENTS OF TRUSSES OR GIRDERS. THE CONTRACTOR SHALL MAKE AVAILABLE A COMPLETE SET OF TRUSS SHOP DRAWINGS TO THE ARCHITECT FOR THE PURPOSE OF REVIEW OF LOADS IMPOSED ON THE BALANCE OF THE STRUCTURE. ANY SUCH REQUIRED CHANGE SHALL BE INCORPORATED INTO THE CONSTRUCTION OF THIS STRUCTURE.







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.
- 2. AT ALL INTERCONNECTIONS BETWEEN CONCEALED VERTICAL AND HORIZONTAL SPACES SUCH AS OCCUR AT SOFFITS, DROP CEILINGS, COVE CEILINGS, ETC.
- 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 OF THE JOISTS AT THE ENDS AND OVER THE SUPPORTS.

Fire Stopping DETAILS

SCALE: NONE



NOTE!

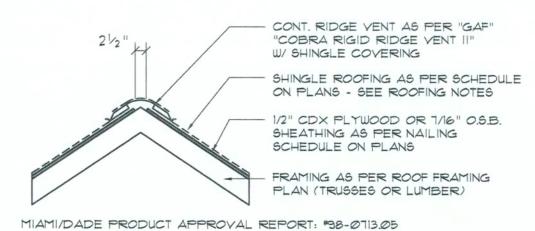
PROVIDE STEEL LINTELS AT ALL WINDOW/DOOR

HEADS TO CARRY BRICK, ABOVE: L 4 X 3 X 1/4"

FOR SPANS UP TO 6'-0" AND L 4 X 3 X 3/8" FOR

SPANS UP TO 10'-0": LENGTH = SPAN + 8"

AREA OF REQ'D LF. NET FREE OF VENT AREA OF INTAKE 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.



Ridge Vent DETAIL B

FRAMING ANCHOR SCHEDULE

APPLICATION	MANUF'R/MODEL	CAP.
TRUSS TO WALL:	SEMCO HDPT2, W/ 6 - 10d NAILS	960#
GIRDER TRUSS TO POST/HEADER:	SIMPSON LGT, W/ 28 - 16d NAILS	1785#
HEADER TO KING STUD(S):	SIMPSON ST22	1370#
PLATE TO STUD:	SIMPSON SP2	1065#
STUD TO SILL:	SIMPSON SPI	585#
PORCH BEAM TO POST:	SIMPSON PC66/EPC66	1700#
PORCH POST TO FND .:	SIMPSON ABUGG	2300#
MISC. JOINTS	SIMPSON A34	315#/240

NOTE:

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,

NOTE:
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

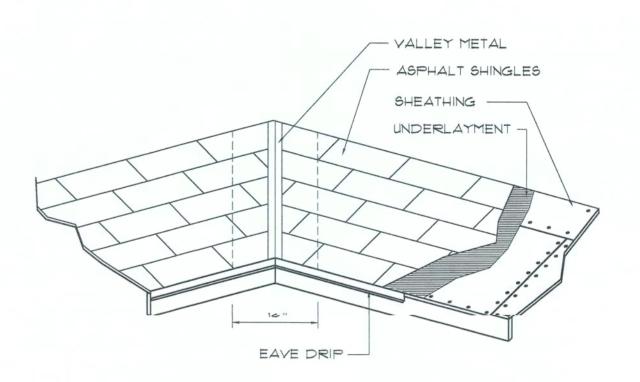
NOTE:

"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 RESPONSIBILITY OF THE CONTRACTOR SO ENGAGED. TEMPORARY & PERMANENT BRACING OF ROOF TRUSSES SHALL BE AS PER THE STANDARD GUIDELINES 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 CONNECTIONS.



VALLEY FLASHING

MATERIAL	MINIMUM THICKNESS (in)	GAGE	WEIGH
COPPER			16
ALUMINUM	0.024		
STAINLESS STEEL		28	
GALVANIZED STEEL	@F1@.@	26 (ZINC COATED G90)	
ZINC ALLOY LEAD PAINTED TERNE	Ø.Ø27		4Ø 2Ø

Roofing/Flashing DETS.
SCALE: NONE



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DRAWN:

STANDARD HOME PLAN,
PROJECT TITLE



NICHOLAS
PAUL
GEISLER
RCHITECT | 1758 NW Brown Rd.

DATE:

19 SEP 2006

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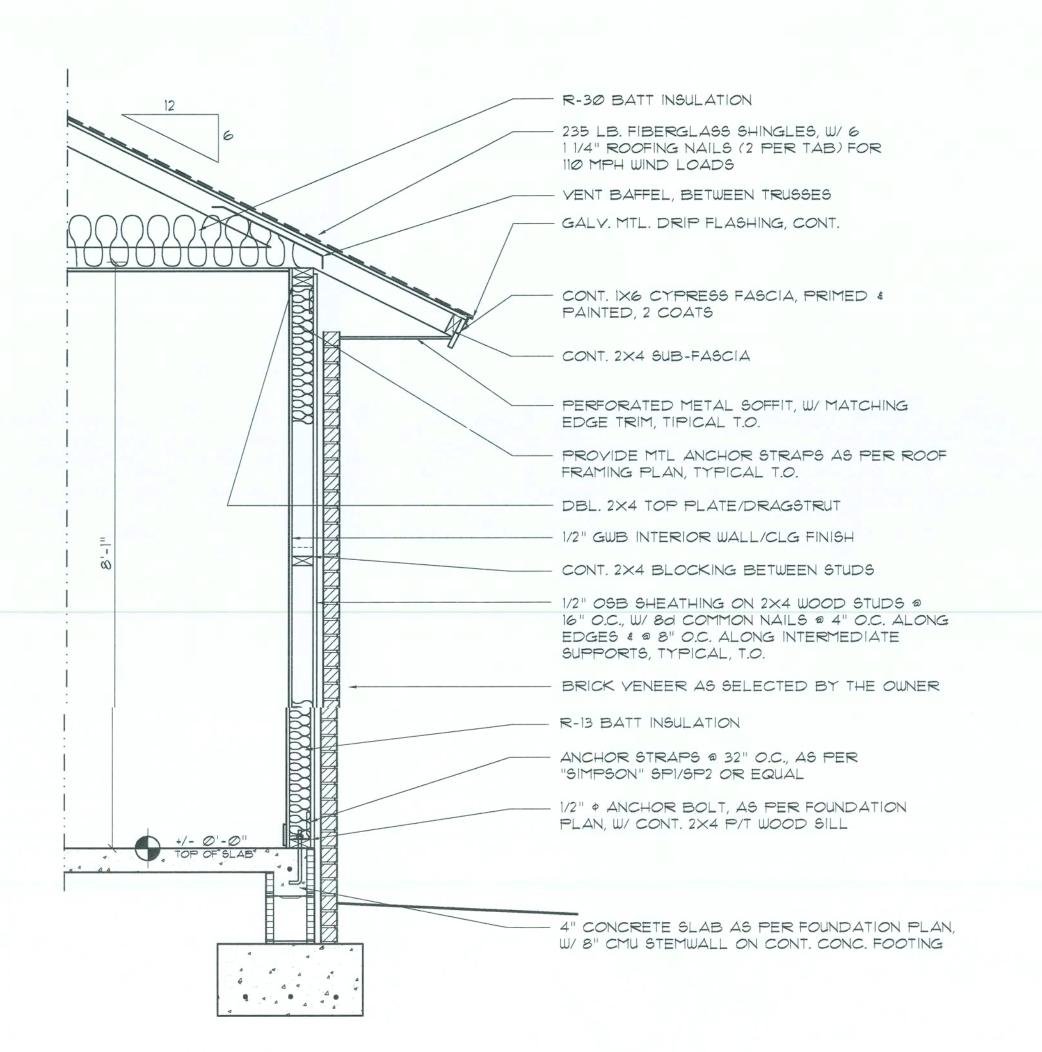
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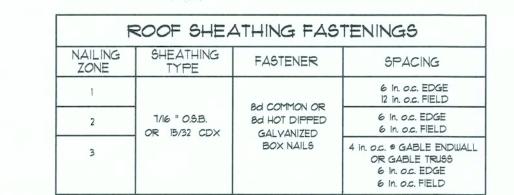
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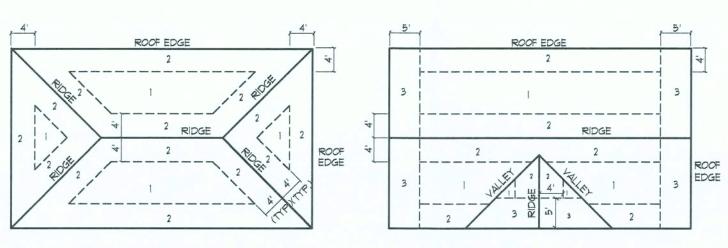
A.4

4 of 6









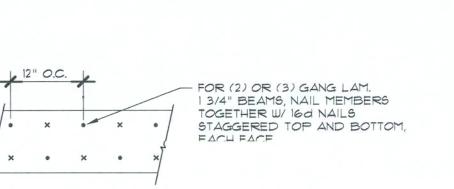
ROOF SHEATHING NAILING ZONES (HIP ROOF)

ROOF SHEATHING NAILING ZONES (GABLE ROOF)

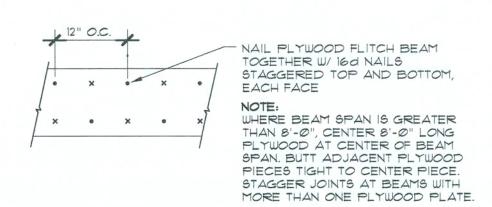


			В	BUILDING WIDTH (FT)			
HEADERS SUPPORTING:	HEADER		20'	2	28'	36	> '
	SIZE	SPAN	# JACKS	SPAN	# JACKS	SPAN :	# JACKS
	2-2×4	3'-6"	1	3'-2"	1	2'-10"	1
	2-2×6	5'-5"	1	4'-8"	1	4'-2"	1
ROOF, CEILING	2-2×8	6'-10"	1	5'-11"	2	5'-4"	1
	2-2×10	8'-5"	2	7'-3"	2	6'-6"	2
	2-2×12	9'-9"	2	8'-5"	2	7'-6"	2
	3-2×8	8'-4"	1	7'-5"	1	6'-8"	1
	3-2×10	10'-6"	1	9'-1"	2	8'-2"	1.
	3-2×12	12'-2"	2	10'-7"	2	9'-5"	2
	4-2×8	9'-2"	1	8'-4"	1	9'-2"	1
	4-2×10	11'-8"	1	10'-6"	1	9'-5"	1
	4-2×12	14'-1"	1	12'-2"	2	10'-11"	1



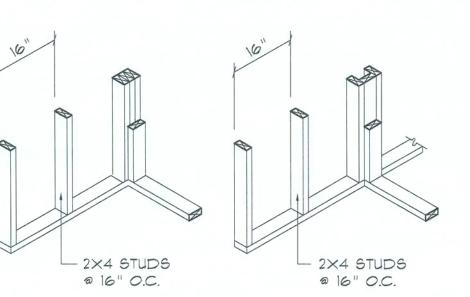


MULTIPLE GANG LAM. DETAIL NOT TO SCALE

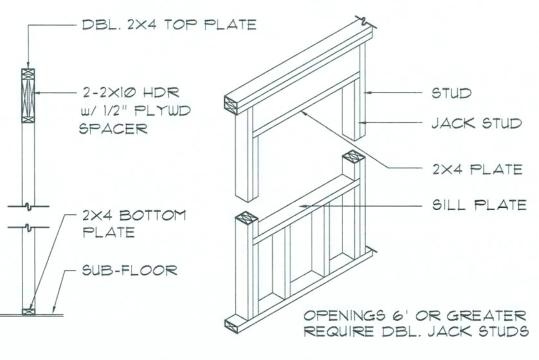


PLYWOOD FLITCH BEAM DETAIL NOT TO SCALE

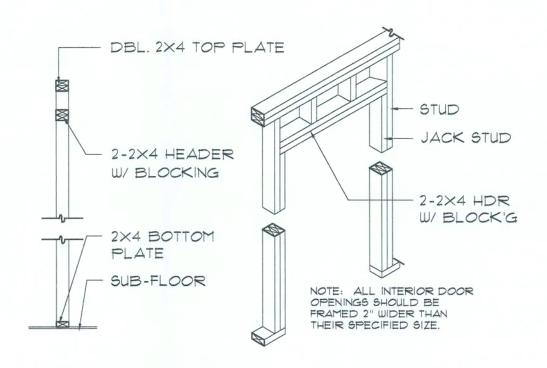




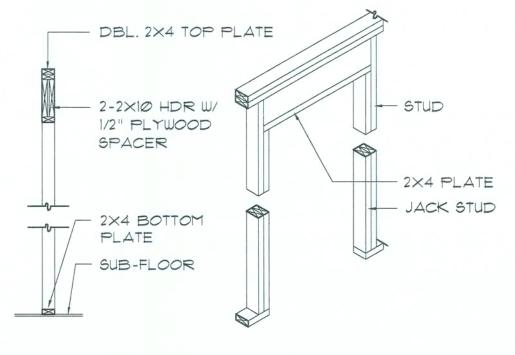
WALL INTERSECTION WALL CORNER



TYPICAL WINDOW HEADER

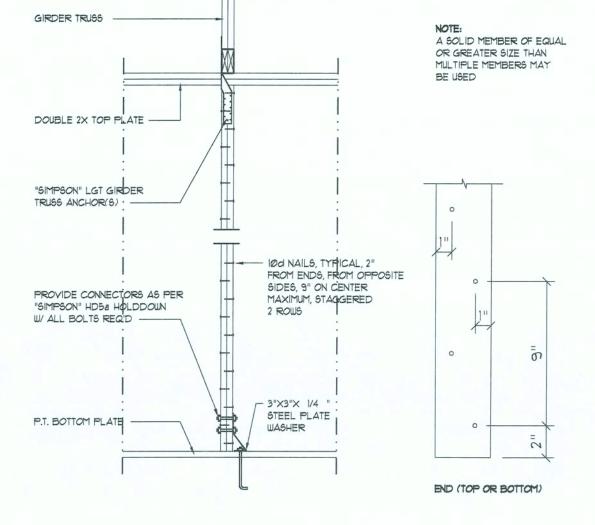


NON-BEARING WALL HEADER



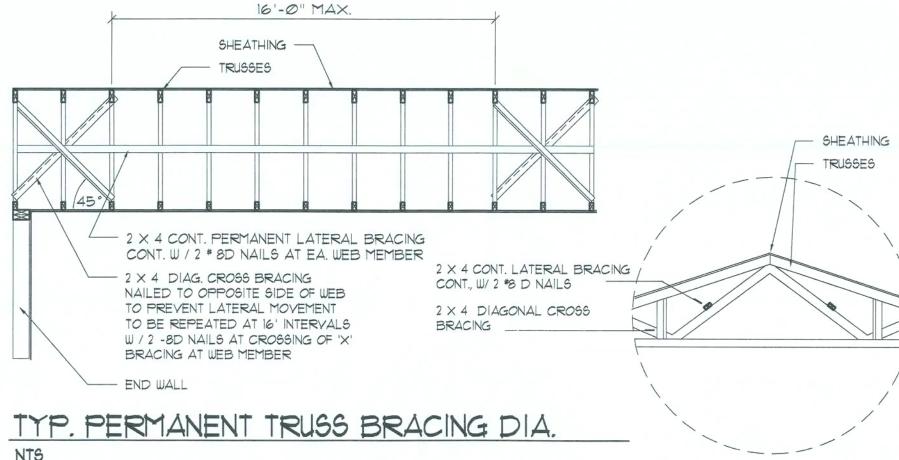
BEARING WALL HEADER





Girder Truss Column DET.

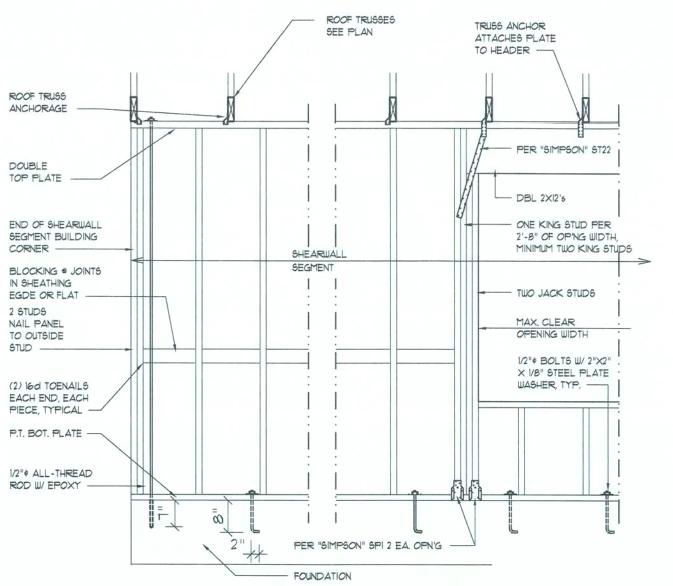
SCALE: 1/2" = 1'-0"



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

Truss Bracing DETAILS

SCALE: AS NOTED



SHEARWALL NOTES:

D

- ALL SHEARWALLS SHALL BE TYPE 2 SHEARWALLS AS DEFINED BY STD 10-97 SBBCI 305.43.
- 2. THE WALL SHALL BE ENTIRELY SHEATHED WITH 1/16 " O.S.B. INCLUDING AREAS ABOVE AND BELOW
- 3. ALL SHEATHING SHALL BE ATTACHED TO FRAMING ALONG ALL FOUR EDGES WITH JOINTS FOR ADJACENT
- PANELS OCCURING OVER COMMON FRAMING MEMBERS OR ALONG BLOCKING. 4. NAIL SPACING SHALL BE 4" O.C. EDGES AND
- 8" O.C. IN THE FIELD.
- 5. 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/3.5 FOR 8'-0" WALLS (2'-3").

OPENING WIDTH	SILL PLATES	16d TOE NAILS EACH END
UP TO 6'-0"	(1) 2x4 OR (1) 2x6	1
R 6' TO 9'-0"	(3) 2x4 OR (1) 2x6	2
PE 9' TO 12'-0"	(5) 2x4 OR (2) 2x6	3

Shear Wall DETAILS

SCALE: NONE



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REVISION:

DRAWN:

DATE: 19 SEP 2006 COMM: 2K644

SHEET: 5 %

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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.
- 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 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 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 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 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
- 11. INTERIOR STUD WALLS SEPARATING LIVING AREA FROM GARAGE AREAS SHALL BE CONSTRUCTED IN COMPLIANCE WITH "UL Design U333", INCLUDING R-11 BATT INSULATION.

FROM HEATED / COOLED AREA.

12. CEILINGS OVER ATTACHED GARAGES OR GARAGES W/ LIVING AREA ABOVE 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.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 I COPY OF AS-BLT. DWGS

 TO OWNER & I 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 CONT'R
 SHALL PROVIDE I COPY OF AS-BUILT DWGS TO OWNER AND
 I COPY TO THE PERMIT ISSUING AUTHORITY.

GENERAL MILLWORK NOTES:

- MILLWORK SUB-CONTRACTOR PROVIDING CASEWORK, MILLWORK OR THE LIKE FOR THIS PROJECT SHALL BE SUBJECT TO THE PROVISIONS OF NOTE) I THRU 6 OF THE GENERAL NOTES, THIS SHEET.
- 2. SCOPE OF WORK INCLUDES, BUT IS NOT LIMITED TO THE FOLLOWING: FABRICATION AND DELIVERY OF MILLWORK, SHOWN IN THE DRAWINGS, TO THE OB SITE, INSTALLATION OF CABINET HINGES, CATCHES, DRAWER & TRAY GUIDES, ADJUSTABLE SHELF STANDARDS & SURFACE BOLTS.
- 3. ALL APPLICABLE STANDARDS OF "AWI QUALITY STANDARDS & GUIDE SPECIFICATIONS" APPLY TO THIS PROJECT, UNLESS NOTED OTHERWISE.
- 4. AWI "CUSTOM" GRADE EXCEPT AS OTHERWISE NOTED OR DIRECTED BY THE DWNER, SHALL BE THE BASE STANDARD OF QUALITY REQ'D FOR THE WORK.
- 5. MILLWORK SUB-CONTRACTOR SHALL SUBMIT FOR APPROVAL BY THE OWNER, THE FOLLOWING ITEMS, PRIOR TO FABRICATING ANY MAT'LS OR 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 EA. LOCATION & CONFORMANCE W/ THE DESIGN INTENT OF THE DRAWINGS OR DIRECTIVES ISSUED BY THE OWNER.
- 6. PRODUCTS SHALL INCLUDE THE FOLLOWING: SOFTWOD - SOLID STOCK PINE, C OR BETTER HARDWOOD - SPECIES AS SELECTED BY OWNER
 - PLYWOOD, OPAQUE FINISH FIR, GRADE A/B
 PLYWOOD, TRANSPARENT FINISH SPECIES AS SELECTED BY OWNER
 PARTICLE BOARD HIGH DENSITY, W/ RESIN BINDER
 LAM. PLASTIC MFG, COLORS, PATTERNS & TEXTURES AS SELECTED
 - B" OWNER LAMINATING ADHESIVES - POLYVINYL ACETATE, UREA-FORMALDEHYDE, CASEIN
- 7. ASSEMBLE WORK AT MILL & DELIVER TO JOB SITE READY TO INSTALL INSOFARAS POSSIBLE.
- 8. PROTEC MILLWORK FROM MOISTURE & DAMAGE WHILE IN TRANSIT TO THE JOESITE, UNLOAD AND STORE IN A PLACE WHERE IT WILL BE PROTECED FROM MOISTURE AND DAMAGE AND BE CONVENIENT FOR INSTALLATION.
- FABRICITE WORK IN ACCORDANCE WITH MEASUREMENTS TAKEN AT THE JOESITE.
- 10. INSTALLHARDWARE IN ACCORDANCE WITH MANUFR'S DIRECTIONS. LEAVE CPERATING HARDWARE OPERATING SMOOTHLY & QUIETLY.
- II. DAMAGED SURFACES SHALL BE REPAIRED TO MATCH UNDAMAGED ADJACENT PORTION OF THE WORK.

GENERAL H.Y.A.C. NOTES:

- 1. SUB-CONTRACTORS PROVIDING HVAC INSTALLATION SHALL BE SUB-JECT TOTHE PROVISIONS OF NOTES I THRU 6, GENERAL NOTES/D.Ia.
- 2. HVAC SIB-CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIALS, TOOLS AND EQUIPMENT TO INSTALL A COMPLETE & OPERATING HVAC SYSTEM.
- 3. HVAC S'STEM SHALL BE AS DETAILED IN THE PLANS (IF INCLUDED), OR SHALL BE AS DIRECTED BY THE OWNER IN CONSULTATION WITH THE HVAC SIB-CONTRACTOR.
- 4. HVAC SIB-CONTRACTOR SHALL FURNISH SHOP DWGS FOR DUCTWORK, CONDENSING UNIT & AIR HANDLER, EXHAUST FANS AND AIR DEVICES.
- 5. IT IS THE HVAC SUB-CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH NFPA-96A AND ALL APPLICABLE CODES.
- 6. FLEXIBLE DUCT SHALL BE FULLY ANNEALED, CORRUGATED ALUMINUM W/ 13/4 LB. DENSITY FIBERGLASS INSULATION AND SHALL BE U.L.
 LISTED. SHEET METAL DUCT SHALL BE LINED W/ 1" MATFACED DUCT
 LINER & URAPPED W/ 1 3/4 LB. FOILFACED FIBERGLASS INSULATION.
 ALL FIBERGLASS DUCT SHALL BE FOILFACED, R4.2/R6.0 DUCTBOARD.
- ALL EXHAUST AND OUTSIDE AIR DUCT SHALL BE GALVANIZED SHEET METAL CONSTRUCTED AND INSTALLED IN ACCORDANCE WITH ASHREA AND SMACNA STANDARDS.
- 8. ALL AIRDEVICES SHALL BE OF ALUMINUM CONSTRUCTION FOR WALL AND CELING APPLICATIONS AND STEEL CONSTRUCTION IN FLOOR APPLICATIONS. ACCEPTABLE MANUFACTURER'S SHALL BE TITUS, METALARE, NAILORHART, HART & COOLIE OR AS DIRECTED BY THE
- 9. IF REQUIRED BY THE OWNER, THE HYAC 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 SIB-CONTRACTOR SHALL SUPPLY ALL CONTRACTORS, RELAYS, AND THERMOSTATS. THE ELECTRICAL SUB-CONTRACTOR SHALL PROVIDE AL. SWITCHES, DISCONNECTS & CONTROL WIRING. THERMOSTATS SHALL EE APPROVED BY THE EQUIPMENT MFG R.
- II. ALL DUCT SIZES INDICATED IN THE PLANS (IF INCLUDED) ARE NET INSIDE CIMENSIONS.
- 12. ALL EQUPMENT SHALL BE FULLY WARRANTED FOR 1 YEAR AND THE COMPRESOR(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 TRADESSO AS TO AVOID CONFLICTS OR HINDERANCE TO COMPLETION
- 14. CONDENSATE DRAIN PIPING SHALL BE INSULATED WITH 1/2" THICK ARMAFLEX INSULATION.
- 15. FILTERS 3HALL 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. HYAC SIB-CONTRACTOR SHALL PROVIDE & INSTALL ALL NECESSARY OFFSETS TRANSITIONS & BENDS REQUIRED TO PROVIDE A COMPLETE SYSTEM AT NO ADDITIONAL COST TO THE OWNER.
- IT IS THERESPONSIBILITY OF THE HYAC SUB-CONTRACTOR TO CO-ORDINA'E LOCATION OF CEILING DIFFUSERS, GRILLES AND REGISTERS IN THE FELD WITH THE ELECTRICIAN, LIGHTS AND ARCHITECTURAL ELEMENTS.
- 18. COORDINATE W/ THE ELECTRICIAN, PARTICULARLY ELECTRICAL NOTE Nr. 29, TC ASSURE SUITABLE SIZES OF BREAKERS, SWITCHES AND WIRING.

GENERAL PLUMBING NOTES:

- I. SUB-CONTRACTORS PROVIDING PILUMBING MATERIALS AND INSTALL-ATION 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 PREFORMED) BY A LICENSED PLUMBING CONTRACTOR IN A FIRST CLASS WORK 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 DIA-GRAMATIC. DO NOT SCALE THE DERAWINGS FOR EXACT LOCATIONS OF THE PLUMBING FIXTURES.
- 1. 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 UNDERGROUNID PIPING SHALL BE TYPE K COPPER. AT THE OWNERS OPTION SUPPLY FOIPING 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 301-72 ABOVE GRADE WITH NEOPPRENE 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.
- II. AIR CONDITIONING CONDENSATE EDRAIN 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 CONDENSATIE PIPING AS APPROPRIATE, WHERE APPROVED BY LOCAL BUILDING (CODES & OFFICIALS, P.V.C. MAY NOT BE USED TO PENETRATE CHASES 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 PARRESTERS 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 NEAR-
- 18. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES.
- 19. PROVIDE COMBINATION COVERPLATE / CLEANOUT PLUG FOR ALL WALL CLEANOUTS, FINISH AS DIRECTED BBY THE OWNER.
- 20. FIXTURES, HARDWARE, EQUIPMENT, COLORS AND FINISHES SHALL BE AS SELECTED BY THE OWNER.

GENERAL WELL & SEPTIC NOTES:

EST PLUMBING FIXTURE, DO NOT MIANIFOLD

- 1. SUB-CONTRACTORS PROVIDING WATER WELLS AND/OR SEPTIC TANKS AND DRAINFIELDS SHALL BE SUBJECT TO THE PROVISIONS OF NOTES I 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'-0". PUIMPS SHALL BE OF THE SUBMERSIBLE TYPE, THREE WIRE SYSTEM, MINIMUM HORSEPOWER SHALL BE 1/2 H/P OR AS DIRECTED BY THE OWNER, MOTIOR STARTER SHALL BE ENCLOSED IN A WEATHERPROOF HOUSING, MOUNTED ON A P/T 4X4 POST AT THE WELL HEAD.
- 4. WELL HEAD SHALL PROJECT 12" AFBOVE GRADE.
- 5. ALL REQUIRED COMPONENTS FOR A COMPLETE OPERATING SYSTEM SHALL BE PROVIDED, INCLUDING ANTI-FREEZE BLEEDER FITTING, CHECKVALVE, AIR BLEEDERS, SHU'ITOFF VALVE, HOSE BIBB, PRESSURE REGULATOR/CONTACTOR, UNIONS AND PRESSURE GAUGE.
- 6. PRESSURE TANK SHALL BE GALVAINIZED 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 AL!LOWED 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" IWASHED ROCK, INSTALLED THICKNESS SHALL BE AS PER SEPTIC TANK PERMIT.
- 10. SAND FILTER BEADS, MOUND SYSTEMS, DOSING TANKS, GREASE TRAPS, DISTRIBUTION BOXES, GRINDER PUMPS, SUMP PUMPS AND OTHER SUCH RELATED ITEMS (IF REQUIRED OR TREQUESTED) SHALL BE AS PER THE DESIGN STANDARDS OF THE LOCAL HEALTH DEPARTMENT.

ELECTRICAL NOTES: General

- 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 250 OF NEC-1994.
- 4. INSTALL ONLY COPPER WIRING ON THIS PROJECT: THW, TW, THWN, THHN 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 OPENINGS OF NEUTRAL IN REPLACEMENT OF A DEVICE.
- 6. COLOR CODE MULTI-CIRCUIT WIRING AS FOLLOWS: NEUTRAL WHITE, GROUND GREEN, LINE ALL OTHER COLORS.
- 1. 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.
- 11. 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 AVOID 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 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 (C.L.) 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, 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.

PROJECT INFORMATION / NOTES:

DESIGN VALUES/LOADS & CODES

WIND DESIGN SPEED: 110 MPH, UNLESS NOTED OTHERWISE

SOIL DESIGN STATEMENT:

FOOTING DESIGN IS BASED UPON 1000 PSF SOIL BEARING PRESSURE PROVIDED BY CLEAN SAND, GRAVEL OR STONE. OTHER SOIL CONDITIONS ICE CLAY, HIGH LEVEL OF ORGANICS OR OTHER UNDESIRABLE SOILS SHALL REQUIRE FOUNDATION MODIFACATIONS.

LIVE LOADS: 1st FLOOR: 40PSF, 2nd FLOOR: 30PSF, ROOF: AS DETERMINED BY SHAPE FACTORS 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 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 SPECIFICATION ON THE PLANS.

INORGANIC ARSENICAL PRESSURE TREATED WOOD

SOME FRAMING MATERIALS SPECIFIED FOR THE CONSTRUCTION OF YOUR PROJECT SUCH AS SILLS 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 EPAREGISTERED 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:

UNDERLAYMENT:

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.

UNLESS OTHERWISE NOTED, UNDERLAYMENT SHALL CONFORM W/ ASTM D 226, TYPE 1, OR ASTM D 4869, TYPE 1.

AND COMPLY WITH ASTM D 225 OR ASTM D 3462.

FASTENED SUFFICIENTLY TO STAY IN PLACE.

SELF-ADHERING POLYMER MODIFIED BITUMEN SHEET:
SELF ADHERING POLYMER MODIFIED BITUMEN SHALL COMPLY W/ ASTM D 1970.

ASPHALT SHINGLES: ASPHALT SHINGLES SHALL HAVE SELF SEAL STRIPS OR BE INTERLOCKING,

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 101-95.

UNDERLAYMENT APPLICATION:

FOR ROOF SLOPES FORM 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

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/ 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 17 LBS PER 100 SQUARE FEET. CAP FLASHING SHALL BE CORROSION RESISTANT METAL OF MINIMUM NOMINAL THICKNESS OF 0.019 INCH.

ALLEYS:

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 1507.3.9.2. 2. OPEN VALLEYS: VALLEY LINING OF TWO PLIES 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
- 3. SPECIALTY UNDERLAYMENT AT LEAST 36 INCHES WIDE & COMPLYING WITH ASTM D 1970.

REVISION:

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DRAWN:

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STANDARD HOME PLAN:
PROJECT TITLE
C45 CONSTRUCTION, LAKE CITY, FLOR

Lic. #RRO066502
Lic. #RRO066502

GEISLER 1758 NW Brown Rd.
ICHITECT Lake City, FL 32055
R.B. Certified 386/755-6608

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