

88

REVISÉ 12-07-06

FLORIDA BUILDING CODE 2004 : RESIDENTIAL, 2005 and 2006 SUPPLEMENT
FLORIDA BUILDING CODE 2004 : PLUMBING, 2005 and 2006 SUPPLEMENT
FLORIDA BUILDING CODE 2004 : MECHANICAL, 2005 and 2006 SUPPLEMENT
FLORIDA BUILDING CODE 2004 : FUEL GAS, 2005 and 2006 SUPPLEMENT

NATIONAL ELECTRICAL CODE 2005

STRUCTURAL DESIGN PARAMETERS: ASCE 7-2002 [PER FRC 2004 : SECTION R301.2JJ, DESIGN CRITERIA]

CLASSIFICATION : 2

OCCUPANCY: RESIDENTIAL

BUILDING DESIGN: ENCLOSED

WIND SPEED: 125 MPH - 3 SECOND GUST (FRC 2004 :SECTION R301.2J.3)

EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: $GC_{pi} = +/- 0.18$

IMPORTANCE FACTOR: 1.0

NUMBER OF STORIES: ONE STORY

BUILDING MEAN ROOF HEIGHT: 15 FEET, MAX.

ALL PLUMBING, ELECTRICAL AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION. (FRC 2004, SECTION R109.3)

THE BUILDING AND PATIO SLAB HAVE RECIEVED 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.
(FRC 2004, SECTION R320)

THE BUILDING HAS RECIEVED 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. (FRC 2004, SECTION R320.1.8)

EXTERIOR WINDOWS AND GLASS DOORS SHALL BE TESTED BY AN APPROVED INDEPENDENT TESTING LABORATORY, AND SHALL BE LABELED WITH AN APPROVED LABEL (FRC 2004, SECTION R613)

SEE MANUFACTURER'S DETAIL SHEETS FOR DESIGN CRITERIA
AND INSTALLATION METHODS.

WINDOWS IN BUILDINGS LOCATED IN WIND-BOURNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WIND-BOURNE DEBRIS. GLAZED OPENING PROTECTION FOR WIND-BORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996 AND OF ASTM E 1886, SSTD 12, ANSI/DASMA I15 (FOR GARAGE DOORS) OR T4201, 202 AND 203 .
(FRC 2004, SECTION R301.2.2)

[illegible]

REVISIONS :

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Maronda Homes

Maronda Homes
 (407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA
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AMERICAN	COVER SHEET
----------	-------------

DA VENPORT

PAWN BY:	GARAGE:	LEFT
RELEASE DATE:		03-09-06
		125 MPH

Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

Elmer Bergman, P.E.
License No. 50158
MAY 29 2008

MAY 29 2008

SHEET:

Om

08-14-07 REV. CODE INFORMATION

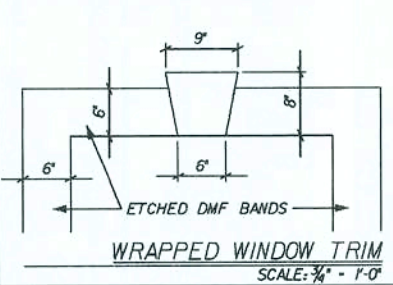
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RELEASE DATE:	03-09-06	125 MPH

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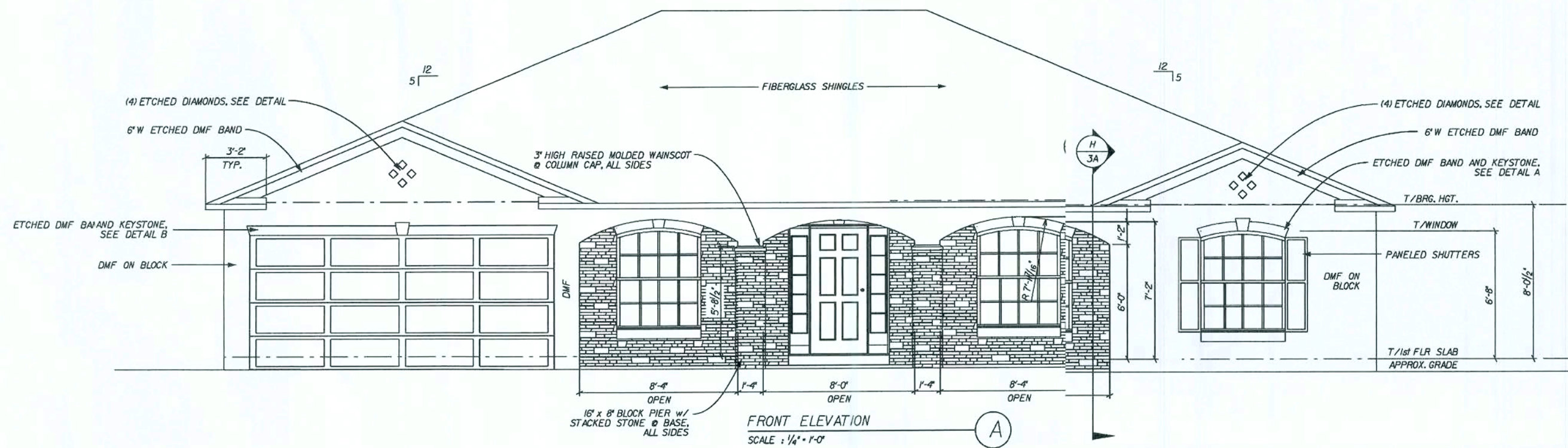
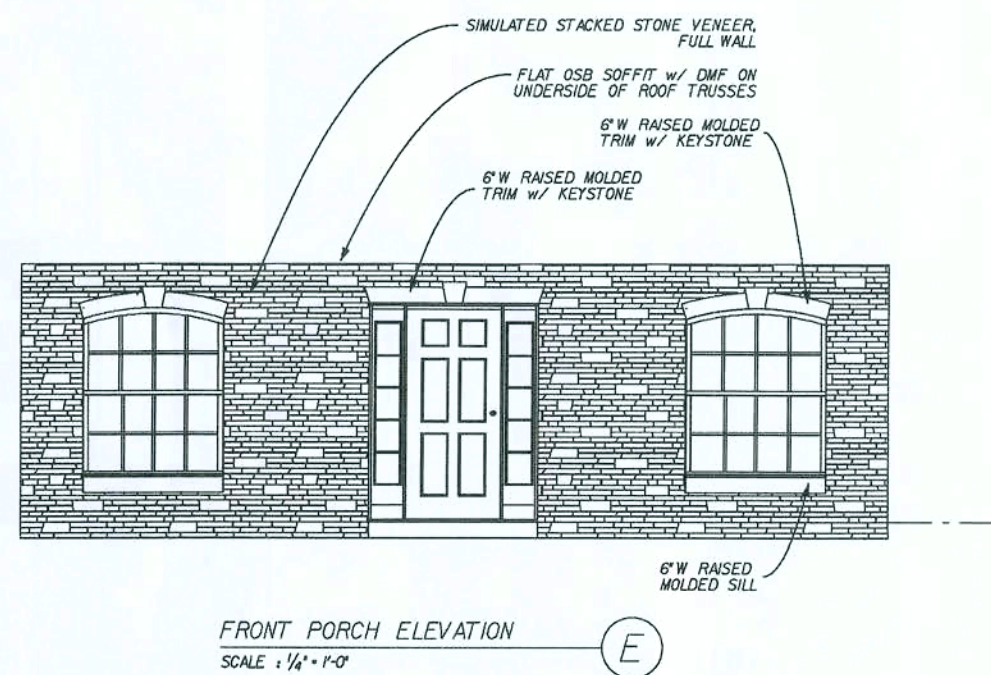
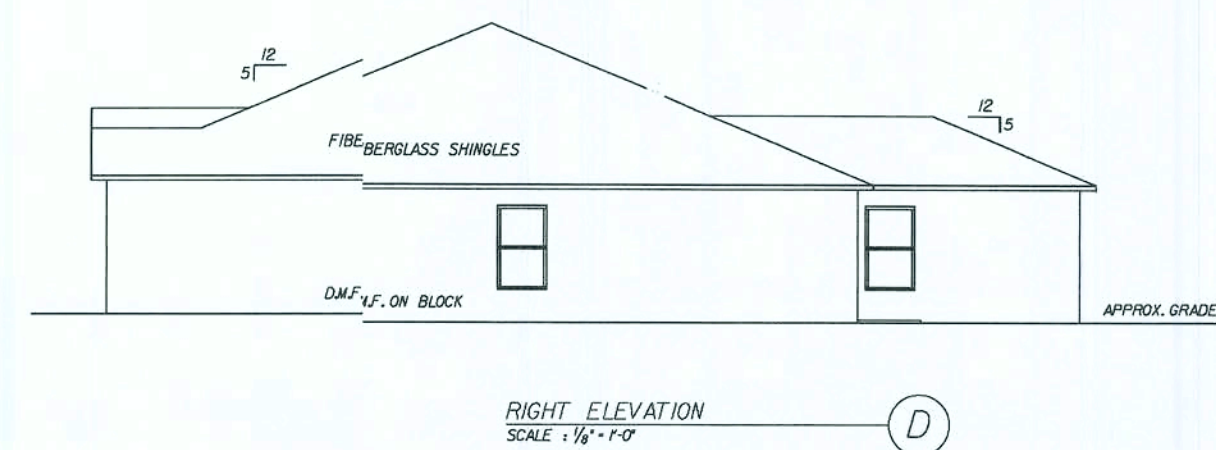
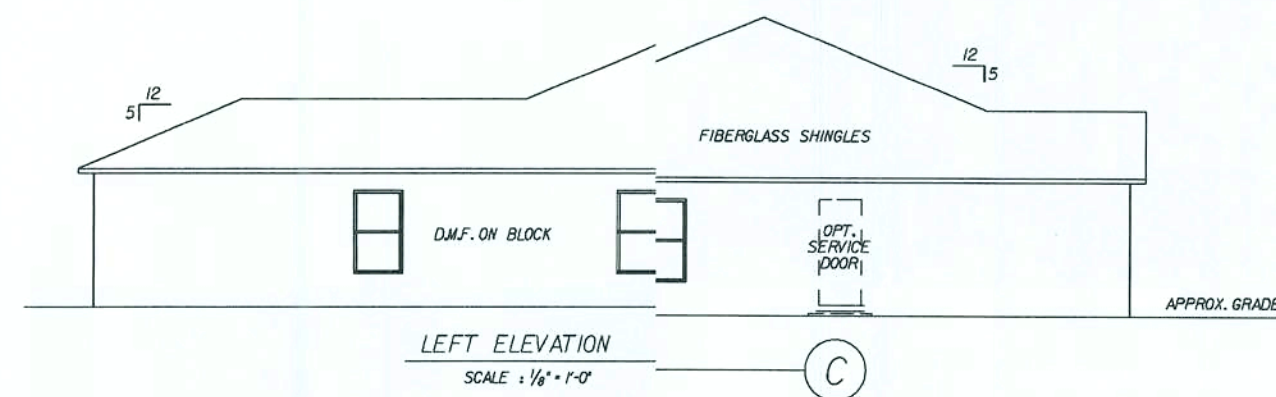
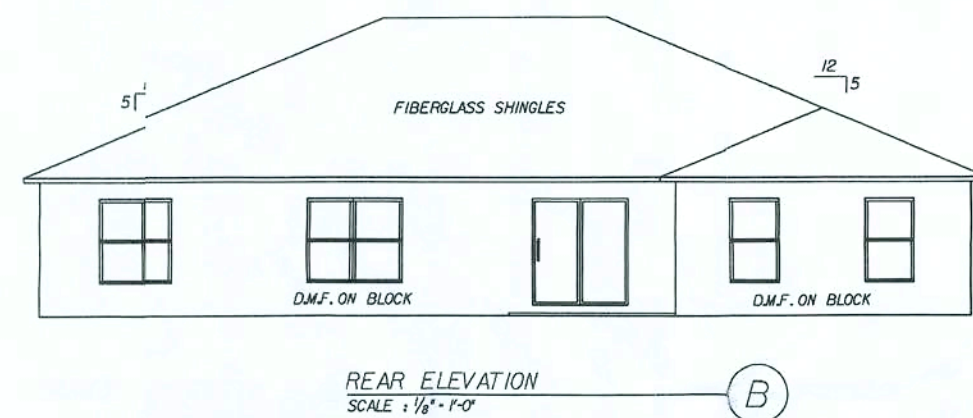
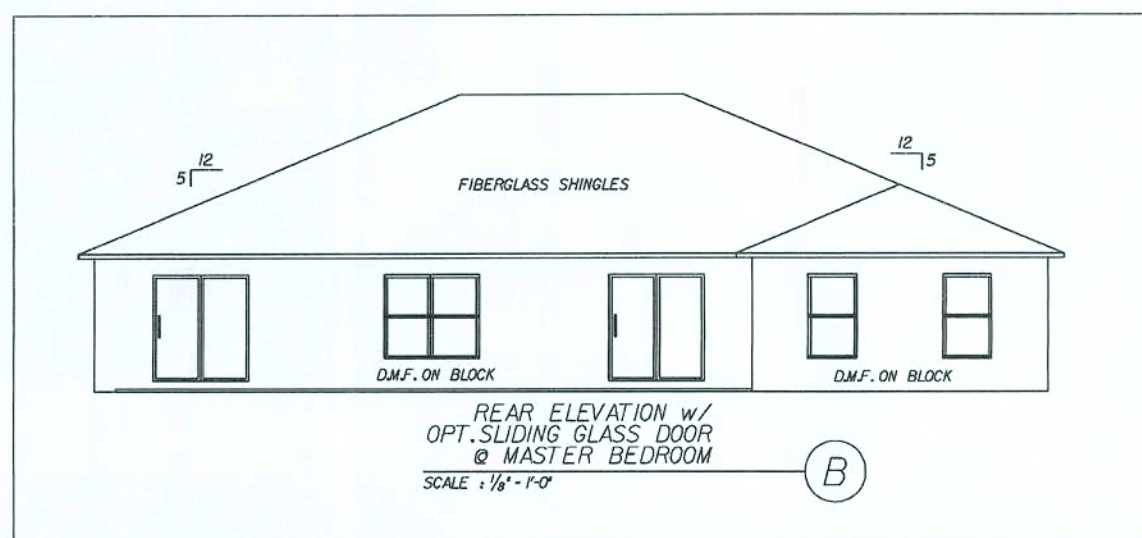
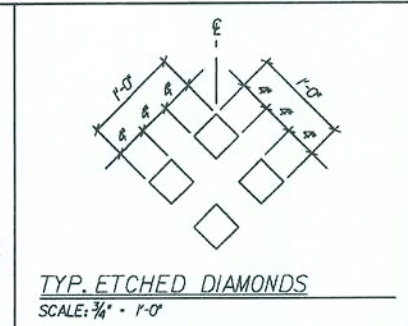
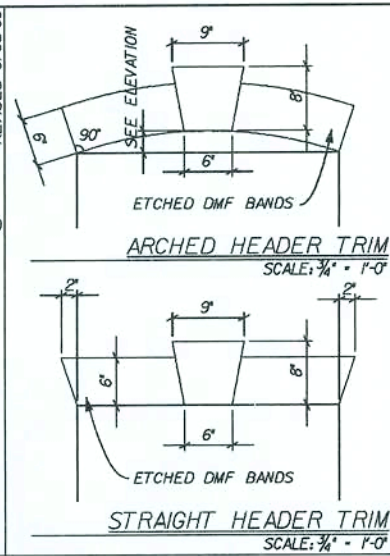
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GENERAL ELEVATION NOTES:

1. DMF + DECO MASONRY/STUCCO FINISH SHALL COMPLY WITH THE REQUIREMENTS OF AT&T 0505 AND 0003.
2. EAVE & GABLE OVERHANGS 12" ALUM. FASCIA AND SOFFITS PLUMB CUT WITH LEVEL RETURNS.
3. 3/4" MIN. THICKNESS DMF OVER LATH/FRAME AND 1/2" MIN. THICKNESS OVER BLOCK.
4. DMF/STUCCO INSTALLED OVER PAPER-BACKED LATH AND HOUSEWRAP @ ALL EXTERIOR WOOD FRAME CONSTRUCTION.



REVISED 04-05-06



REVISIONS:	
12-05-06	ADD GLASS AT HALL DOOR
07-17-07	REV. HALL DOOR TO 25 SH
11-01-07	REV. HALL DOOR TRIM NOTE

Maronda Homes
 4005 MARONDA WAY SANFORD, FLORIDA 32771-0064
 (407) 321-0064
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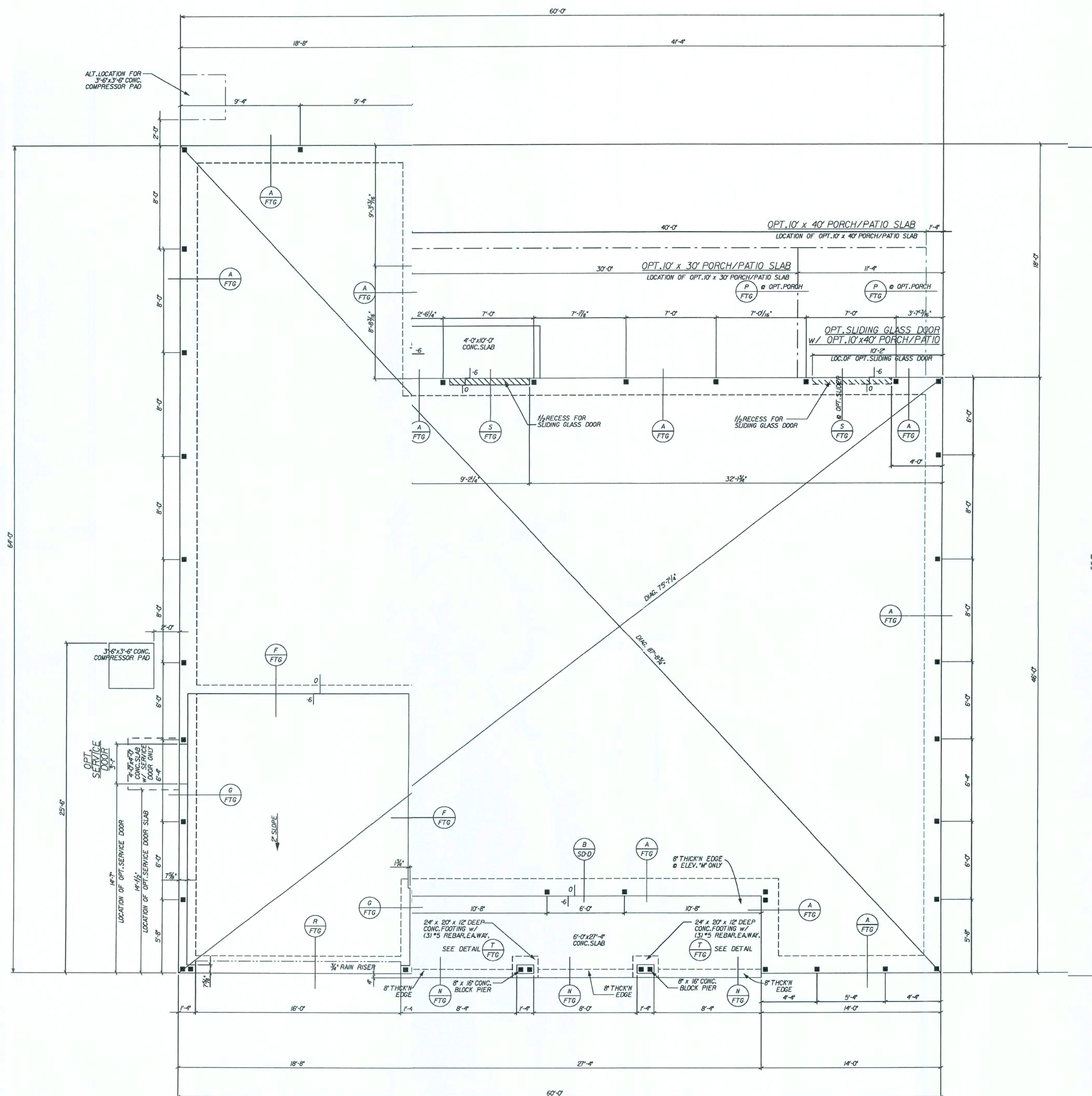
AMERICAN EXT. ELEVATIONS
DAVENPORT
 ELEVATION "M"
 GARAGE LEFT
 DRAWN BY: RELEASE DATE: 03-09-06
 0605290

Maronda Systems
 4005 Maronda Way
 Sanford, FL 32771
 (407) 321-0064
 Elmer Bergman, P.E.
 License No. 50158
 MAY 29 2008

SHEET:
 1m

PRINTED AND PUBLISHED BY: AMERICAN EXT. ELEVATIONS, INC. 1000 N. W. 10th Ave., Suite 100, Ft. Lauderdale, FL 33304-4400

SEE DRAWING * FPI FOR UNDERGROUND
PLUMBING AND MECH. CHASES FOR
LOCATIONS



2

PLOT DATE: 2/FEB 2008

GENERAL FIRST FLOOR NOTES:

ALL EXTERIOR WALLS SHALL BE CONSIDERED SHEAR WALLS MINUS ALL WINDOW AND DOOR OPENINGS.

EXTERIOR WALLS TO BE 7 1/2" CONCRETE BLOCK W/ P3 FURRING STRIPS IN A/C AREA, TOTAL WIDTH = 8 1/2".

EXTERIOR OPENING DIMENSIONS ARE TO FACE OF MASONRY OPENING.

INTERIOR LOAD BEARING WALLS TO BE 2x4 WOOD FRAME WALLS W/ STUDS @ 16" O.C. SEE STRUCTURAL WALL SCHEDULE SHEET "T".

INTERIOR NON-LOAD BEARING WALLS TO BE NOMINAL 3/8" MTL STUD, 25 psf, U.N.D.

ALL WOOD NOT SEPARATED FROM AND/OR IN DIRECT CONTACT WITH CONCRETE OR MASONRY SHALL BE "PRESSURE TREATED WOOD".

SEE UNTEL SHEET FOR UNTEL SIZES OVER WINDOWS AND DOORS. PRECAST UNTELS BY CAST-ORE.

ALL COMPOSITE BEAMS OVER WINDOW AND DOOR OPENINGS ARE TO BE 8" NOMINAL WIDTH AND 16" NOMINAL HEIGHT, U.N.D. THE 16" NOMINAL HEIGHT SHALL CONSIST OF AN 8" TOP COURSE (BOND BEAM BLOCK) FILLED W/ 3000 PSI CONCRETE, W/ 10 GAUGE 40 CONTINUOUS HORIZ-5 REBAR AND AN 8" HIGH STRENGTH PRECAST UNTEL LOWER COURSE WHICH SHALL BE UNTELED, U.N.D. FOR FILLED PRECAST UNTELS, USE 3000 PSI CONCRETE W/ 1/2" AGGREGATE, FOR REINFORCED PRECAST UNTELS, USE GRADE 40 REINFORCING STEEL.

PROVIDE SAFETY GLAZING AT (T) - TEMPERED ALL WINDOWS OVER BATH TUBS. ALL WINDOWS WITHIN 36" OF A DOOR SWING. ALL SLIDING GLASS DOORS. ALL FIXED GLASS LITES OVER 30 SQ.FT. ALL LITES WITHIN 18" OF THE FLOOR AND INDIVIDUAL PANE GREATER THAN 9 SQ.FT. ALL SHOWER ENCLOSURES.

PROVIDE A/C DISCONNECT INTERLOCKED IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210.12.

SEE SHEET "W" FOR WINDOW AND UNTEL SCHEDULES AND DETAILS.

PROVIDE HEADER W/ (1) 2x4 JACK AND (1) 2x4 STUD, EACH SIDE OF OPENING (NO STRAPPING REQUIRED, U.N.D.) HDR TO BE NO.2 STP. SEE PLAN FOR SIZE.

ALL DRYWALL TO BE 1/2" THICK, U.N.D.

SC DOOR - MIN. 1 1/2" THICK SOLID CORE DOOR.

SQUARE FOOTAGE:

1st FLOOR LIVING 2527 SQ. FT.

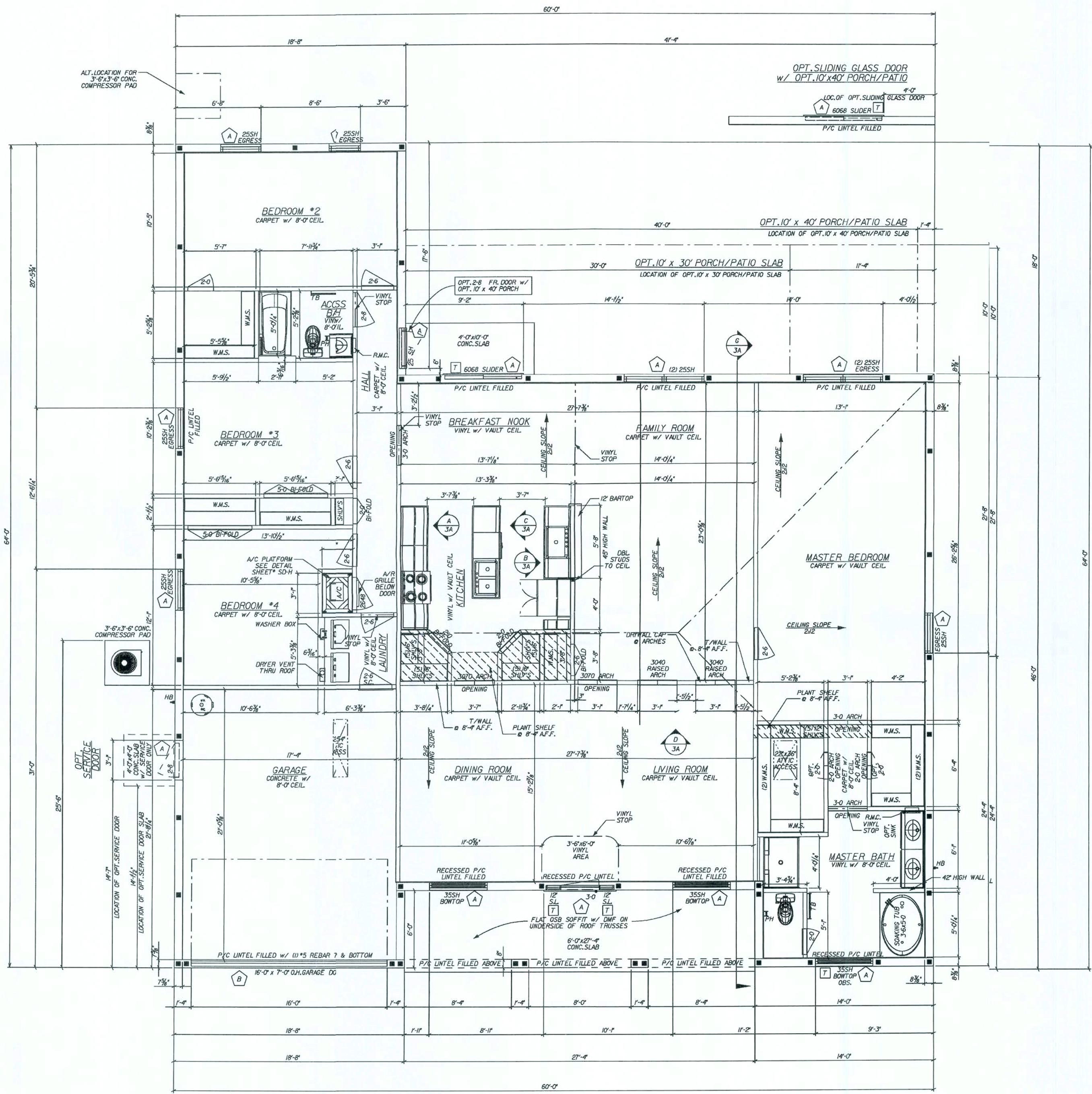
GARAGE AREA 405 SQ. FT.

COVERED ENTRY 164 SQ. FT.

TOTAL AREA 3096 SQ. FT.

OPENING PRESSURES (25 mph):

A	B	C
281 / -30.5	237 / -21.6	242 / -21.1
D	E	F
281 / -31.6	249 / -29.7	



ALL SWING DOORS IN BLOCK USE 2x DOOR BUCK DETAIL D/SD-D

REVISED 09/2007

REVISIONS:

10/20/07	REV. SERVICE DOOR SWING
10/20/07	REV. HALL DOOR SWING
10/20/07	REV. HALL DOOR TO 25 SH
10/20/07	ADDED 2x4 FLOOR OPT.

AMERICANA FIRST FLOOR PLAN

DAVENPORT

125 MPH

04-22-05

LEFT

04-22-05

04-22-05

Maronda Homes

4005 MARONDA WAY SANFORD, FL 32771 (407)321-0064

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, AS AMENDED, AND ALL APPLICABLE LOCAL ORDINANCES. ALL CONTRACTORS SHALL BE REQUIRED TO WITHSTAND ALL APPLICABLE LOADS.

DESIGNED BY: Elmer Bergman, P.E. License No. 80158

MAY 29 2008

SHEET: 3

DATE: 2/22/2008

NOTE 1) 1/2 WIDE: 2 FASTENERS IN HEADER-JAMB	NOTE 6) 6 HIGH 2 3/4" x 4 FASTENERS IN EACH SIDE JAMB
NOTE 2) 2 WIDE: 2 FASTENERS IN HEADER-JAMB	
NOTE 3) 3 WIDE: 3 FASTENERS IN HEADER-JAMB	NOTE 7) 438 WINDOW INTO FRAME OPENING: 10 X 1 1/2"
NOTE 4) 2 HIGH: 2 FASTENERS IN E.A.SIDE JAMB	SCREWS
NOTE 5) 3, 4, 5 HIGH: 3 FAST. E.A.SIDE JAMB	NOTE 8) S/D FASTENED WITH: 10 1/2" PANHEAD ALL HOLES
	SILLS 1/2" X 1/2" ANCHORS EVERYHOLE

F.O.WIDTH IS FROM JACK TO SILL.
F.O.HEIGHT IS FROM SILL TO BEAM.
M.O.WIDTH IS FROM BLOCK TO BLOCK.
M.O.HEIGHT IS FROM LIP OF SILL TO PRECAST.
1st.DIMENTION IS ALWAYS WIDTH.
UNIT OF MEASURE IS INCH.

SCHEDULES FOR NORANDEX WINDOW FASTENERS AND CAST-CRETE LINTELS AS SHOWN, ARE TAKEN DIRECTLY FROM TABLES SUPPLIED BY THE RESPECTIVE MANUFACTURERS, AND ARE PROVIDED FOR CONVENIENCE ONLY.

SIZE	M.O.	FAST.	SIZE	M.O.	FAST.
6068	75 $\frac{1}{2}$ X 81 $\frac{3}{4}$	8	6080	75 $\frac{1}{2}$ X 97 $\frac{3}{4}$	8

SIZE	SINGLE M.O.	FAST.	DOUBLE M.O.	FAST.	SIZE	SINGLE F.O.	FAST.	DOUBLE F.O.	FAST.
25	37 $\frac{3}{4}$ X 63	25	74 $\frac{3}{4}$ X 63	25					

SIZE	SINGLE M.O.	FAST.
35	53 $\frac{7}{8}$ X 68 $\frac{11}{16}$	15

THE SPECIFIED LINTELS ON SHEET WU ARE MANUFACTURED BY CAST-CRETE CORP. ALTERNATE MANUFACTURED LINTELS ARE AVAILABLE "BY OTHERS". SOLE AND FULL RESPONSIBILITY IS RETAINED BY THE SUB-CONTRACTOR IN THE SELECTION OF THE ALTERNATE LINTELS AS HAVING EQUAL TO OR GREATER THAN THE ACTUAL GRAVITY AND UPLIFT LOADS, THAT ARE LISTED ON THIS HOUSE SPECIFIC WU LINTEL SCHEDULE.

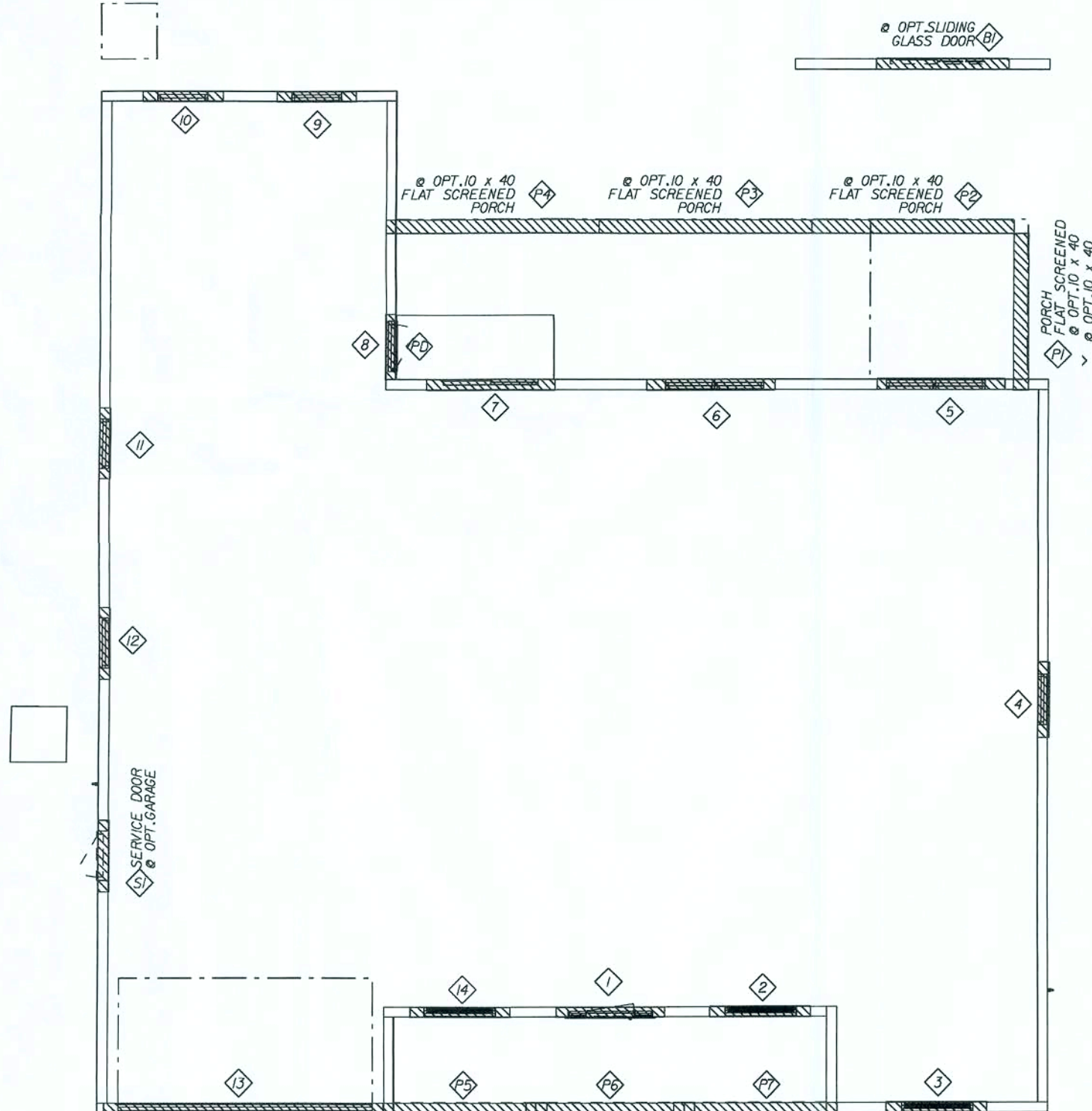
1. f'c precast lintels = 3500 psi.
2. f'c prestressed lintels = 6000 psi.
3. f'c grout = 3000 psi w/ maximum 7% aggregate.
4. Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.

Diagram illustrating the reinforcement details for a beam cross-section:

- Top: Filled with GROUT / U - LLED
- Quantity of 5 BAR at BOTTOM of LINE
- Quantity of 5 BAR at 2" FROM TOP of "U" CL Cavity
- Bottom Reinforcing PROVIDED IN U-SHAPES
- Labels: NOMINAL HEIGHT, NOMINAL WIDTH, 5 BAR AT TOP OF NOMINAL HEIGHT, 5 BAR AT BOTTOM OF BAR, C.M.U., 5 BAR AT BOTTOM OF LINE CAVITY, 5 BAR AT BOTTOM OF LINE CAVITY

CAST-CRETE LINTEL SCHEDULE

UNFL	LENGTH	TYPE	APPLIED LOADS (PLF)		SAFE LOADS (ULF)		COMMENT	UNFL NO.	LENGTH	TYPE	APPLIED LOADS (PLF)		SAFE LOADS (ULF)		COMMENT
			GRAVITY	UPLIFT	GRAVITY	UPLIFT					GRAVITY	UPLIFT	GRAVITY	UPLIFT	
1	7'-0"	8RF14-0B/IT	1419	17	2459	1962	RECESSED	13	11'-4"	8F20-0B/IT	100	80	1306	520	GARAGE DOOR
2	5'-10"	8RF14-0B/IT	1419	17	1600	1900	RECESSED	14	5'-10"	8RF14-0B/IT	1419	797	1600	1900	RECESSED
3	5'-10"	8RF14-0B/IT	1600	1	810	1900	RECESSED	15	7'-6"	8F16-0B/IT	1810	586	2632	1634	0 OPT SLIDING GLASS DOOR
4	4'-6"	8U16-0B/IT	173	3	1599	2724	-	16	4'-6"	8U16-0B/IT	173	218	1599	2724	0 OPT GARAGE SERVICE DR.
5	7'-6"	8F16-0B/IT	1810	18	2632	1634	-	17	10'-6"	8F8-0B/IT	150	100	535	530	0 OPT PORCH
6	7'-6"	8F16-0B/IT	798	5	2632	1634	-	18	13'-4"	8F8-0B/IT	250	220	471	418	0 OPT PORCH
7	7'-6"	8F16-0B/IT	816	4	2632	1634	-	19	13'-4"	8F8-0B/IT	250	220	471	418	0 OPT PORCH
8	4'-6"	8U16-0B/IT	424	10	1599	2724	-	20	13'-4"	8F8-0B/IT	250	220	471	418	0 OPT PORCH
9	4'-6"	8U16-0B/IT	173	9	1599	2724	-	21	9'-4"	8F8-0B/IT	150	100	699	591	0 FRONT PORCH
10	4'-6"	8U16-0B/IT	173	8	1599	2724	-	22	9'-4"	8F8-0B/IT	100	320	699	591	0 FRONT PORCH
11	4'-6"	8F16-0B/IT	1760	0	2931	2724	-	23	9'-4"	8F8-0B/IT	100	320	699	591	0 FRONT PORCH
12	4'-6"	8U16-0B/IT	173	8	1599	2724	-	24	4'-6"	8U14-0B/IT	424	340	1494	2525	0 OPT PORCH DOOR - REC.



REVISIONS
08-16-07
02-21-08

Maronda Homes

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE FLORIDA BUILDING CODE 2004, RESIDENTIAL FLORIDA 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, 140 EXPOSURE B, ENCLOSED BUILDING. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA	WINDOW/LINTEL
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DRAWN BY:	GARAGE: LEFT
RELEASE DATE: 04-22-05	
125 MPH	

[illegible]

Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

Elmer Bergman, P.E.
License No. 50158
MAY 29 2008

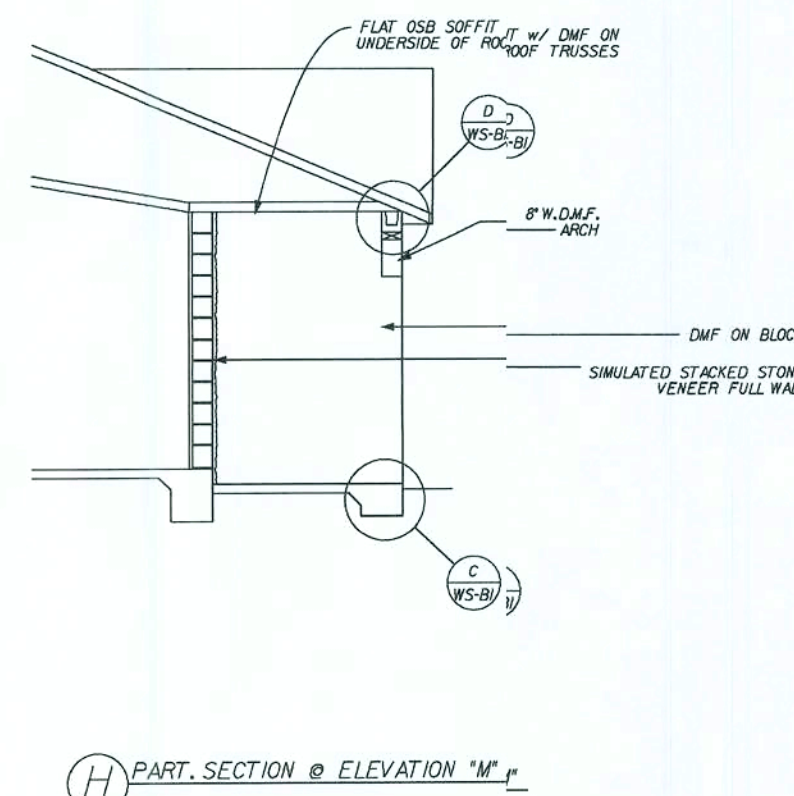
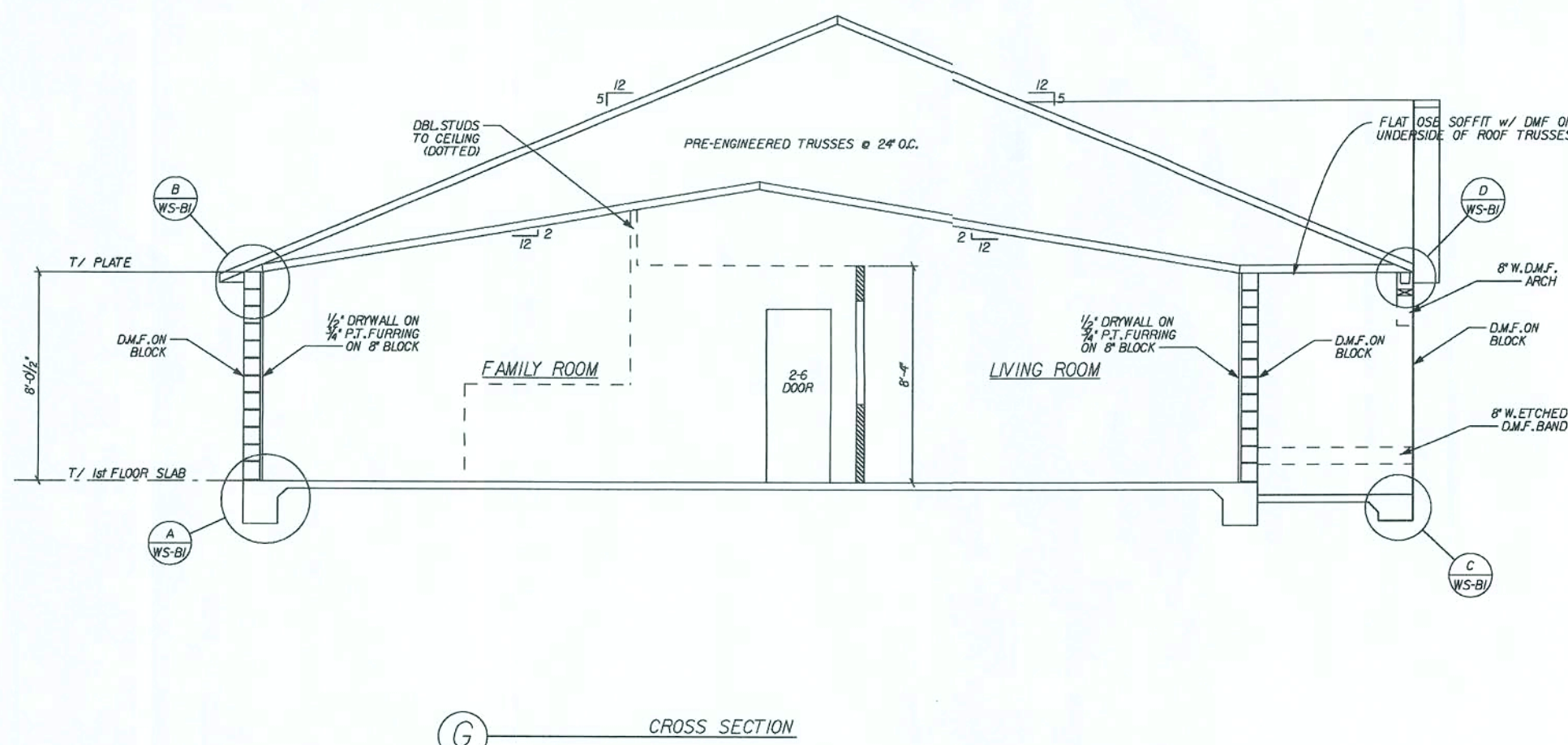
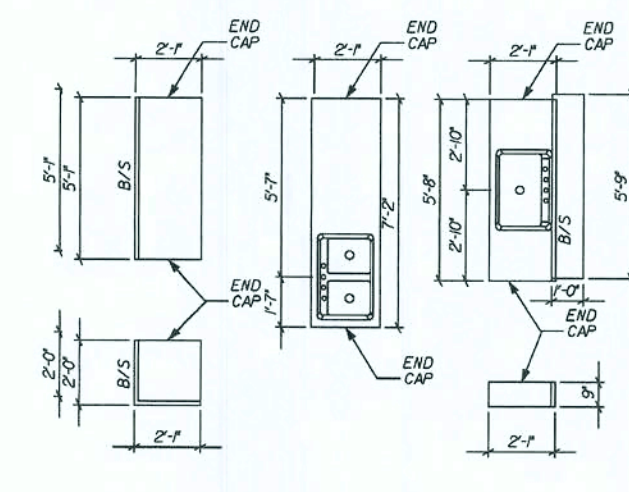
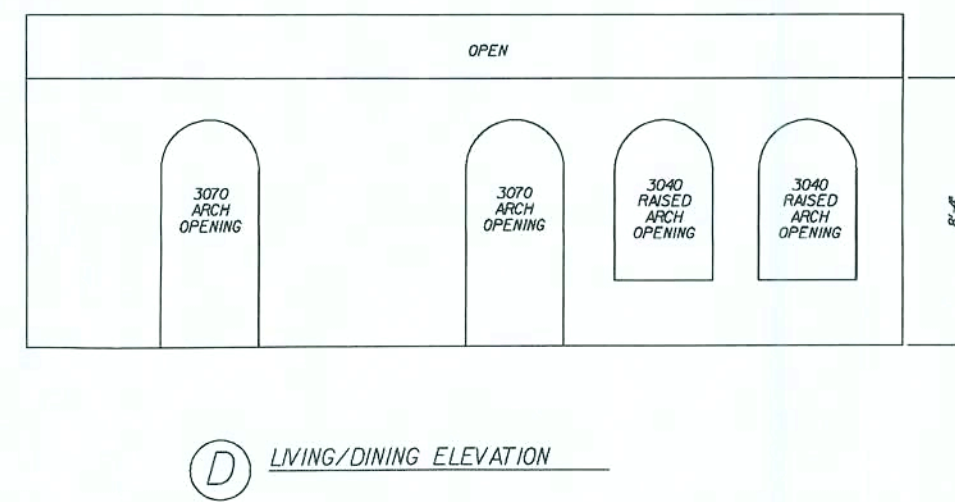
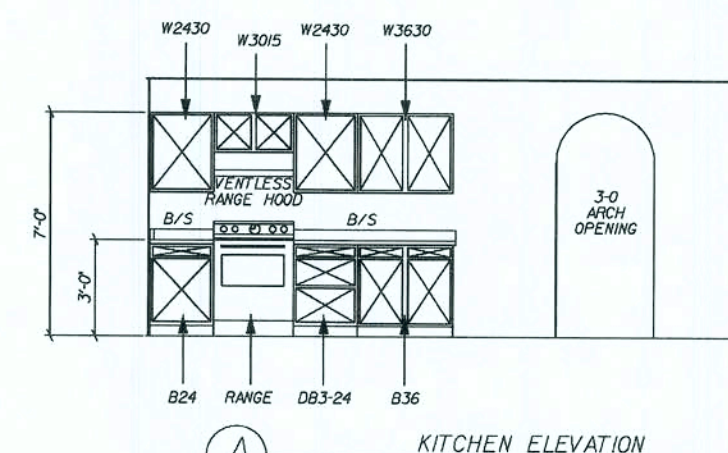
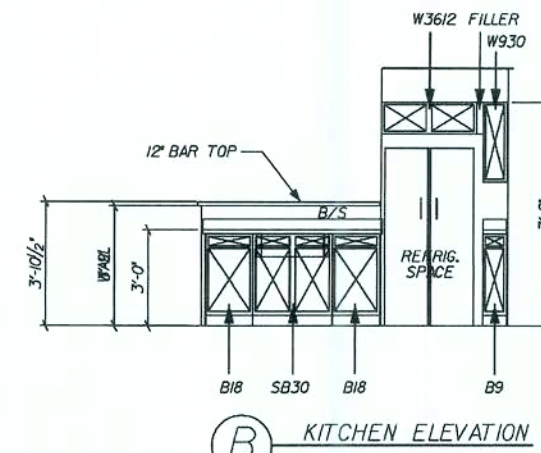
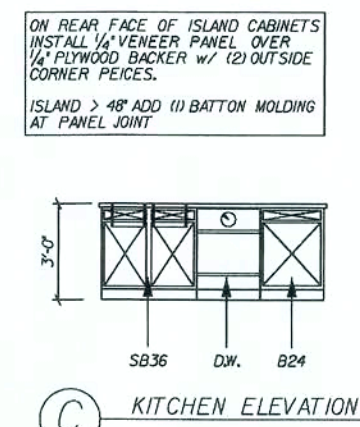
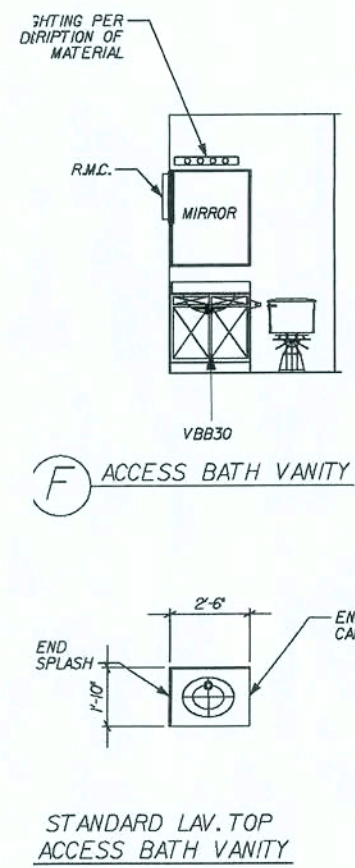
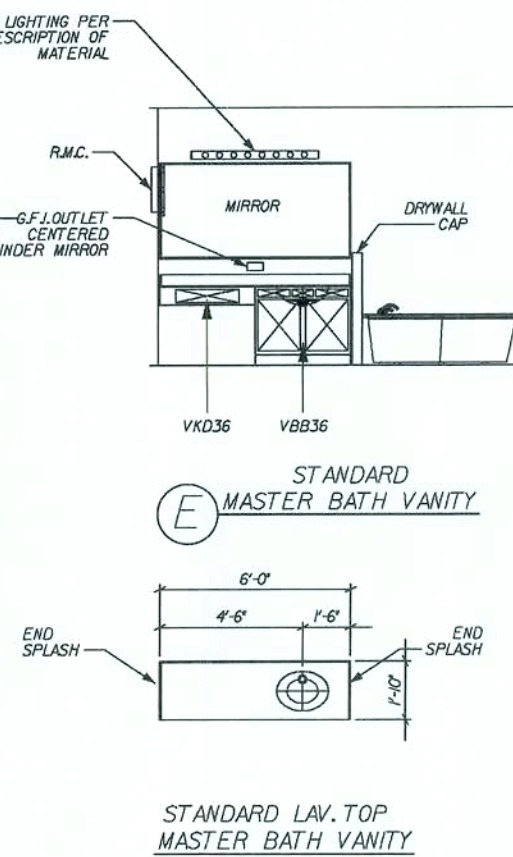
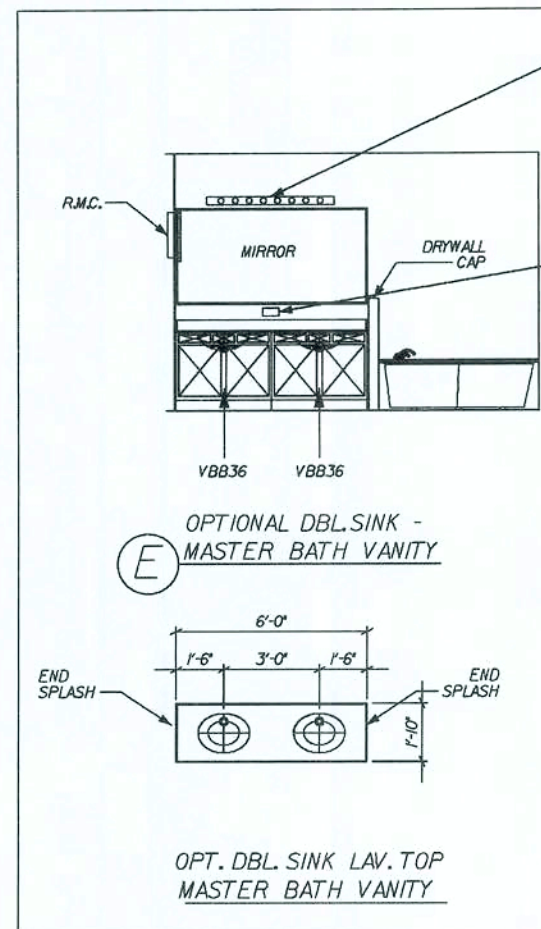
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08-14-07 REV. CODE INFORMATION

WITHSTAND ALL APPLICABLE LOADS.

05047

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REVISIONS	REV. DATE	REV. DESCRIPTION
01	08-08-05	REV. SECT. M ELEVATION
02	09-12-05	REV. KIT. CABINETS/FILLERS
03	08-14-07	REV. CODE INFORMATION

Maronda Homes
 14071 321-0044
 4005 MARONDA WAY
 SANFORD, FLORIDA 32771
 THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2003 EDITION, AND THE 2003 INTERNATIONAL RESIDENTIAL CODE. ALL CONNECTIONS HAVE BEEN CHECKED TO THE 2003 EDITION OF THE FLORIDA BUILDING CODE, 2003 EDITION, AND THE 2003 INTERNATIONAL RESIDENTIAL CODE.

AMERICAN INT. ELEVATIONS
DAVENPORT
 ALL ELEVATIONS
 DRAWN BY: GARAGE, LEFT
 RELEASE DATE: 04-22-05
 SHEET: 125 MPH
 04/22/05

3A
 SHEET:
 3A

GENERAL ROOF NOTES:
7/16" OSB SHT'G w/ 8d RING/SCREW SHANK
NAIL 1AS PER RB032.3(J) #0C.EDGE &
6"OC.FIELD/1"OC. @ GABLE END TRUSS
w/ CLIPS ON PRE-ENGINEERED TRUSSES
@ 24"OC.
REVISED: 05-07-07

TOTAL ROOF SHEATHING:
121 SHEETS

VENTILATION OF ATTIC SPACE: DAVENPORT

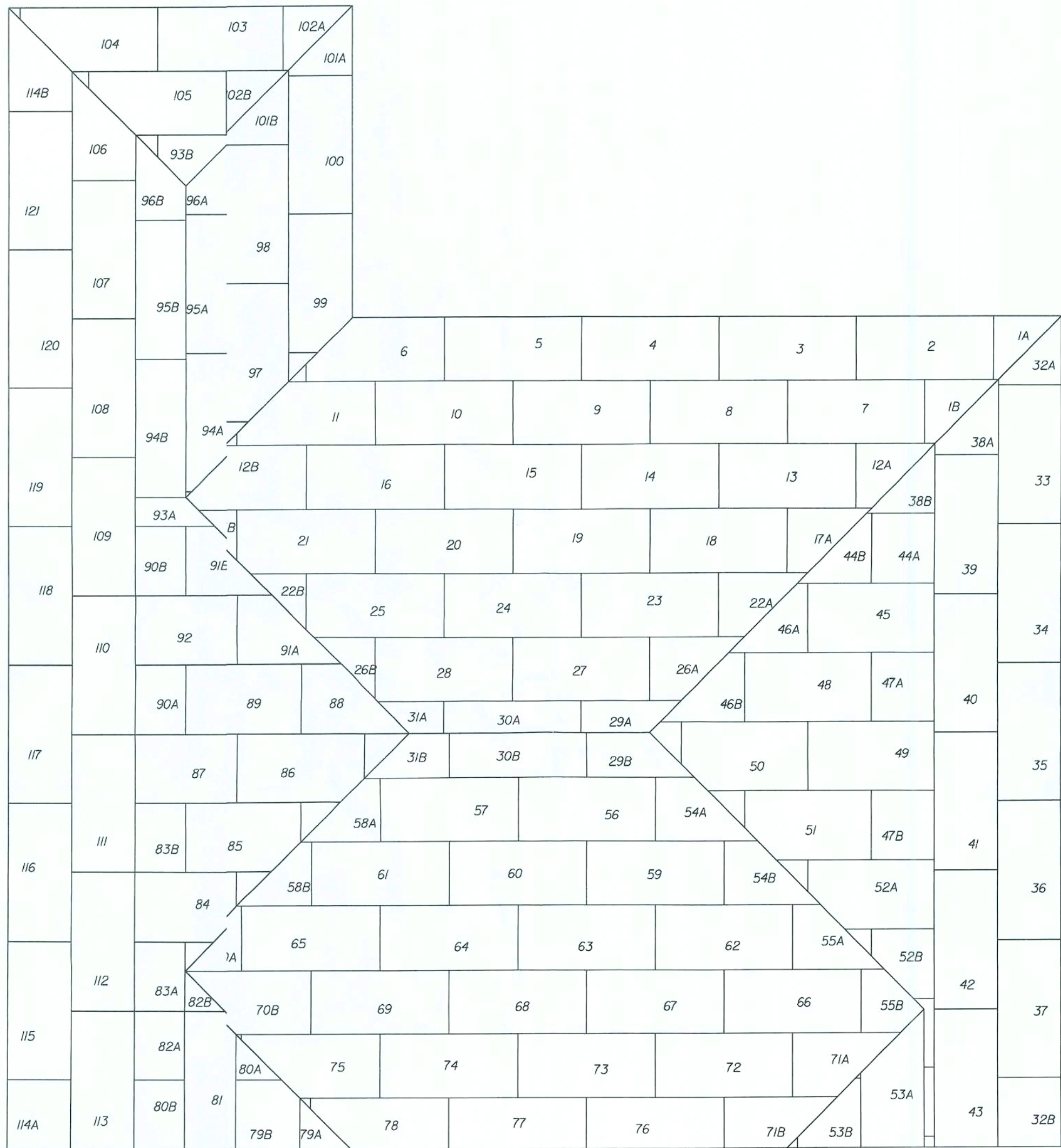
REQUIREMENTS:
TOTAL NET FREE VENTILATION AREA SHALL NOT BE LESS THAN
1/150 OF THE AREA OF SPACE VENTILATED.
(FBCR 2004, SECTION R608.2)

SOFFIT VENTILATION:
ALSCO - QUAD 4 VENTED SOFFIT (16" WIDE) = 26.1 sq/lf
26.1 sq/lf / 1.34' = 19.5 sq/lf PER 12" WIDE SOFFIT

CALCULATIONS:
MAIN ROOF
2537 SF / 150 = 16.91 SF VENTILATION REQUIRED

SOFFIT:
188 LF SOFFIT VENT @ 19.5 sq/lf = 3666.0 sq
3666.0 sq / 144 sq PER SF = 25.46 SF ACTUAL

NOTE:
SOFFIT ALONE SATISFIES FBCR 2004. RIDGE AND OFF-RIDGE
VENTS SHOWN ON THE ELEVATION SHEET ARE TO BE INSTALLED
AND ACT AS INCREASED VENTILATION ABOVE AND BEYOND THE
CODE REQUIREMENTS.



REVISIONS:	
06-16-08	REVISED VENT CALC.
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Maronda Homes	
10711 321-0054 1003 MARONDA WAY SANFORD, FLORIDA	
FLORIDA: MARONDA HOMES WAS DESIGNED BY ACCORDANCE AND MEETS THE REQUIRE- MENTS OF THE FLORIDA BUILDING CODE AND RESIDENTIAL ADDENDUMS 2008 SUP- PLEMENT	
AMERICAN ROOF SHEATHING	DAVENPORT
ELEVATION "M"	
DRAWN BY:	GARAGE: LEFT
RELEASE DATE:	04-22-05
0605244	
SHEET: RSI	
PLOT DATE: 2/FEB 2008	

Structural floor plan showing a grid system and dimensions. Key dimensions include overall width of 60'-0" and depth of 64'-0". The plan includes a central rectangular area with a diagonal section, surrounded by a perimeter of structural elements. Key dimensions include overall width of 60'-0" and depth of 64'-0". Structural components are labeled with codes like THD26, HSRD1, HSRD2, and various girder types. The plan also shows a series of vertical and horizontal lines representing structural members and their spacing.

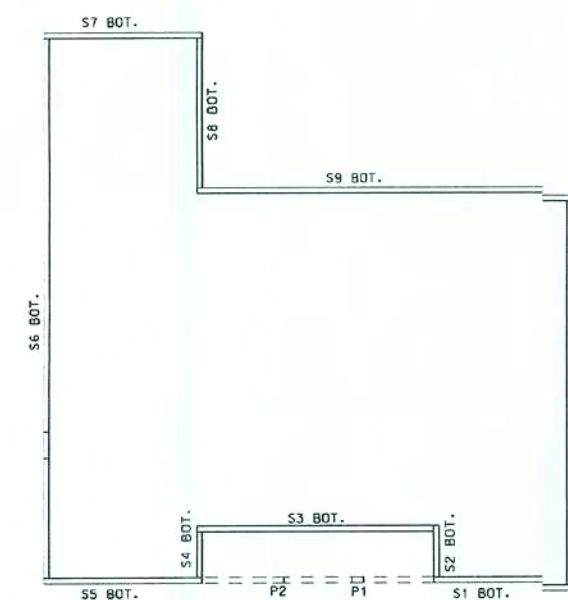
STRUCTURAL WALL SCHEDULE											
WALL ID	STUD		OVERLAP JOINT - APPLIED AS COMPARES IN BOTH SIZES OF STUDS			WALL TO STAIR @		TOP - SECTION OF STUD TO PLACE		SHEARPLAIL REINFORCING	
	SIZE & ORIND.	SPACING	PRODUCT CODE	DELT TO SLAB SIZE	SPECIAL NOTES	PRODUCT CODE	SPACI NG	PRODUCT CODE	SPACING	TYPE	NAL SIZE REINFORCING
S1 DCT... STD BDT...	8" CM1	...	...			...		...			
P1-P2	8" CM1	...	...			...		...			
...	...	...	...			...		...			

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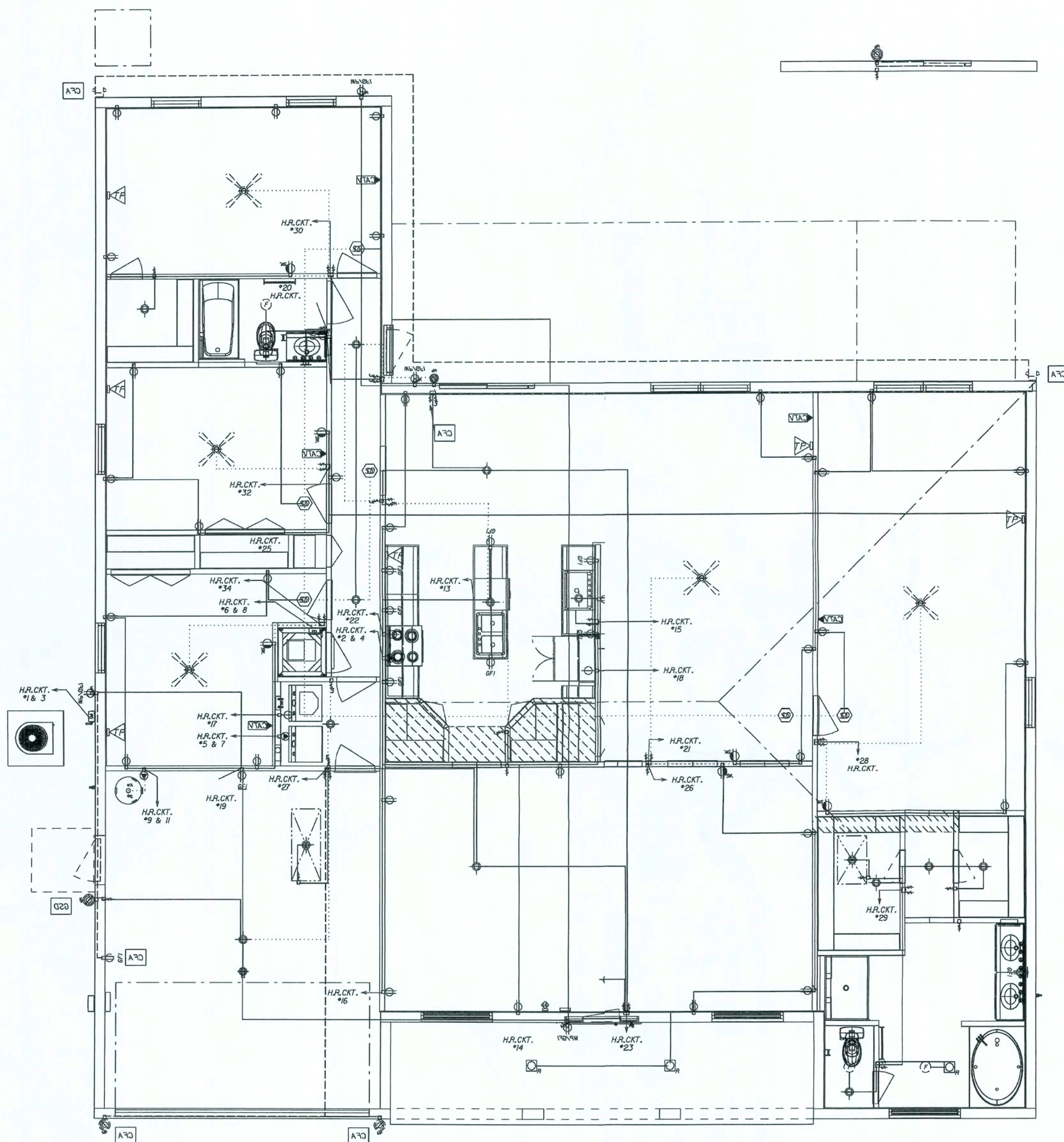
ALL HARDWARE MANUFACTURED BY USP XXXX
ALL HARDWARE MANUFACTURED BY SIMPSON XXXX¹
ALL HARDWARE MANUFACTURED BY CLEVELAND XXXX²

GENERAL TRUSS NOTES:

1. INFORMATION BASED ON 125 mph WINDLOAD,
ALL PRESSURES WERE CALCULATED USING
COMPONENTS AND CLADDING
2. ROOF TRUSS LOADING:
15 psf TOP CHORD LL
7 psf TOP CHORD LD
10 psf BOTTOM CHORD LL
10 psf BOTTOM CHORD LD
43 psf TOTAL LOAD
3. PROVIDE TRUSS BRACING PER TRUSS
ENGINEERING & TPI-HR-91

[illegible]

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



The 2007 Florida Statutes

553.885 Carbon monoxide alarm required

Every building for which a building permit is issued for new construction on or after July 1, 2008, and having a fossil-fuel-burning heater or appliance, a fireplace, or an attached garage shall have an approved operational carbon monoxide alarm installed within 10 feet of each room used for sleeping purposes.

Combination smoke/carbon monoxide alarms shall be listed or labeled by a Nationally Recognized Test Laboratory.

elecitem REPORT

Fri Feb 11 14:58:30 2005

p:\f\houses 05\da venport\electrical\advp.ele

QUANTITY	DESCRIPTION
33	1451 Single Pole Switch
1	200 Amp Panel
3	220 V. Special Receptacle
1	ANC 020 - Underground Meter Socket
1	CLN B344A - 3 Gang Box
21	CLN B520H - 3 Gang Box
5	Ceiling Fan (By Others)
1	Deluxe Broodway 2' P3298-10
1	Deluxe Broodway 4' P3300-15
1	Door Bell Chime
1	Door Bell Buzzer
42	Duplex Receptacle
3	Exhaust Fan
1	G.F.I. Receptacle
1	H-TT Overhead Light
1	H-TT Rec Light
50	MMWRC MULTI-MAC MM400C-B WEATHER PROOF RECEPTICAL COVER
78	RAC 7302 - 1 Gang Switch
13	RAC 7835 - 2 Gang Box
1	Single Receptacle
1	Smoke Detector
6	Switched Receptacle
6	Telephone Outlet
6	Three Way Switch

GENERAL ELECTRICAL NOTES:
CIRCUITRY IS DIAGRAMATIC ONLY. FIELD CONDITIONS MAY CHANGE. ACTUAL INSTALLATION PROVIDE AFCIs (arc-fault circuit interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210.12
SMOKE DETECTORS ARE INSTALLED PER MFG. INSTRUCTIONS AND NFPA 72. ALL DEVICES SHALL BE INTERCONNECTED WITH BATTERY BACK-UP.
FOR INSTALLATION OF GROUND ROD, SEE TYP. CONC. ENCASED ELECTRODE DETAIL SHEET* FTO

LIST OF OPTIONS:

CFA	OPTIONAL COACH LIGHTS, (2) FLOOD LIGHTS AT REAR AND GARAGE OUTLET	REVISED 11-18-05
SSD	OPTIONAL DOOR LIGHT	REVISED 11-18-05

ELECTRICAL SYMBOL LEGEND:

REGULAR TEXT	REVERSE TEXT	DESCRIPTION
[Symbol]	[Symbol]	Power Disconnect Switch
[Symbol]	[Symbol]	Door Bell Chime
[Symbol]	[Symbol]	Door Bell Buzzer
[Symbol]	[Symbol]	Ceiling Fan (By Others)
[Symbol]	[Symbol]	Smoke Detector
[Symbol]	[Symbol]	Light Fixture Bath
[Symbol]	[Symbol]	Exterior WP Lamp
[Symbol]	[Symbol]	Single Pole Switch
[Symbol]	[Symbol]	Three Way Switch
[Symbol]	[Symbol]	Single Receptacle
[Symbol]	[Symbol]	Duplex Receptacle
[Symbol]	[Symbol]	GFI Receptacle
[Symbol]	[Symbol]	Switched Receptacle
[Symbol]	[Symbol]	220 V. Special Receptacle
[Symbol]	[Symbol]	Ceiling Lgt. Fixture
[Symbol]	[Symbol]	Recessed Lgt. Fixture
[Symbol]	[Symbol]	Exhaust Fan
[Symbol]	[Symbol]	Cable TV
[Symbol]	[Symbol]	Telephone Outlet
[Symbol]	[Symbol]	Flood Lights
[Symbol]	[Symbol]	Exhaust Fan / Light Combo

elecInth REPORT

Fri Feb 11 14:58:30 2005

p:\f\houses 05\da venport\electrical\advp.ele

QUANTITY	DESCRIPTION
131	10 Gauge/3 Cond. Copper
599	12 Gauge/2 Cond. Copper
2446	14 Gauge/2 Cond. Copper
454	14 Gauge/3 Cond. Copper
95	6 Gauge/3 Cond. Copper

REVISIONS:

4/15/06	UPDATED PER NEW ARRET.
1/25/07	REVISED OF SW & SSD TO 3-WAY
12/19/07	ADD SMOKE DETECTOR TO MASTER BEDROOM

AMERICANA ELECTRICAL

DA VENPORT

DRAWN BY: GARAGE LEFT

RELEASE DATE: 04-22-05

152747

SHEET: ELI

Maronda Homes

1401 331-0084

1408 MARONIA WAY SANFORD, FLORIDA 32771

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2005 FLORIDA BUILDING CODE. ANY CHANGES TO THE ORIGINAL PLAN MUST BE APPROVED BY THE ARCHITECT.

AMERICAN ASSOCIATION OF ELECTRICIANS

MODEL: DAVENPORT

VOLT/AMPS

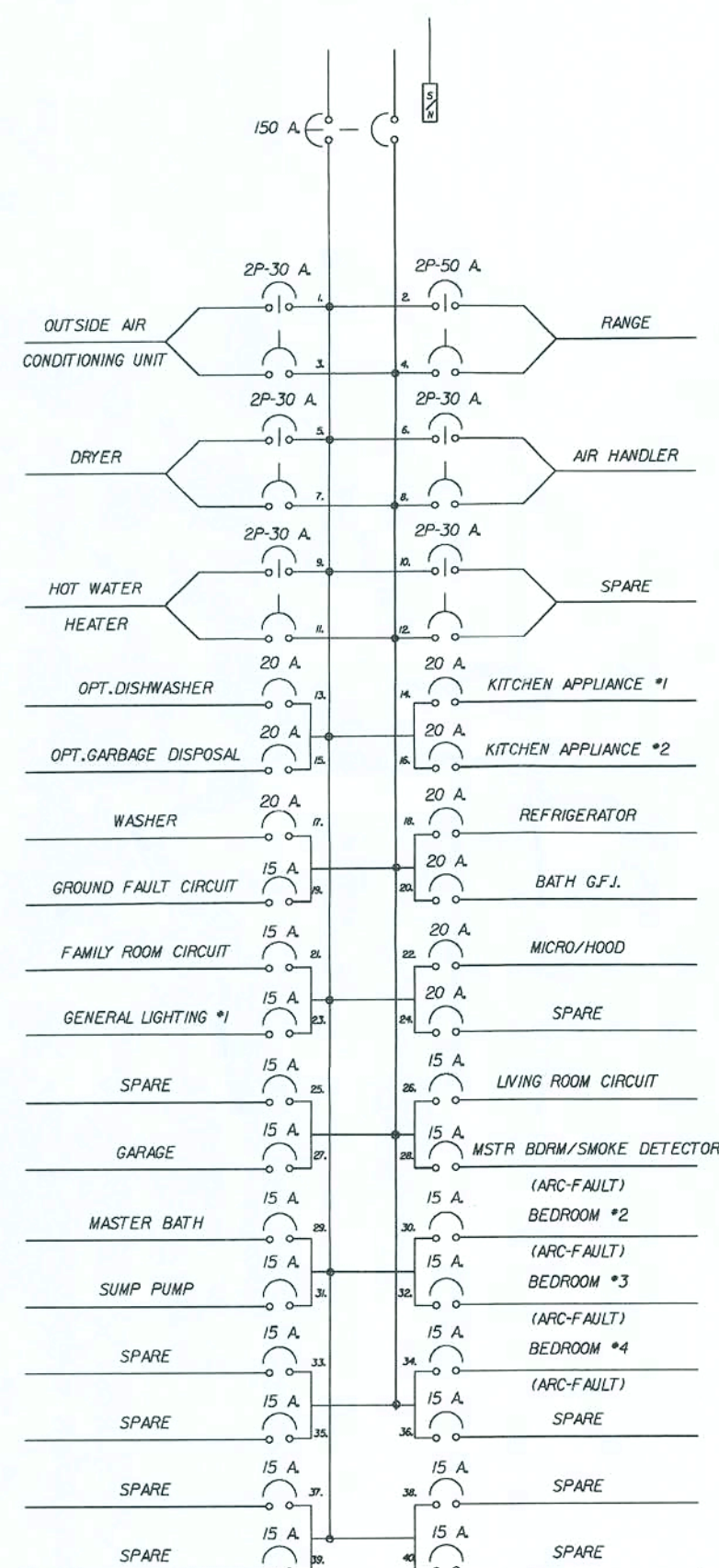
LARGEST LOAD:HEAT PUMPW/SUPPLEMENTAL HEAT

SQUARE FEET LIVING AREA	2527 @ 3 VOLT/AMPS	7581
SMALL APPLIANCE CIRCUITS		3000
LAUNDRY CIRCUIT		1500
OVEN		11700
WATER HEATER		4500
DISHWASHER		1500
DRYER		5000
DISPOSAL		500
TOTAL LOAD		35281

FIRST 10KVA @100%	10000
REMAINDER @40%	10112.4
LARGEST LOAD	13200
TOTAL LOAD	33312 V.A./240 VOLTS= 139 AMPS

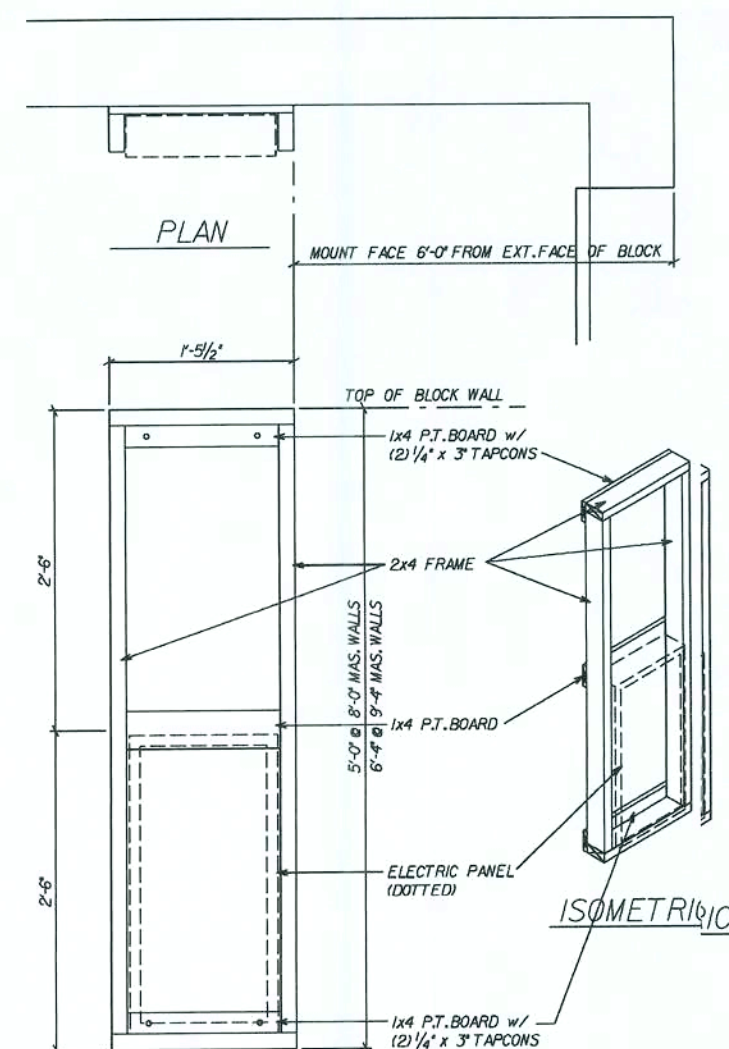
SERVICE SIZE: 150 AMPS

NOTE: HEAT PUMPS ARE CALCULATED AT 100% WITH SUPPLEMENTAL HEAT AT 100%



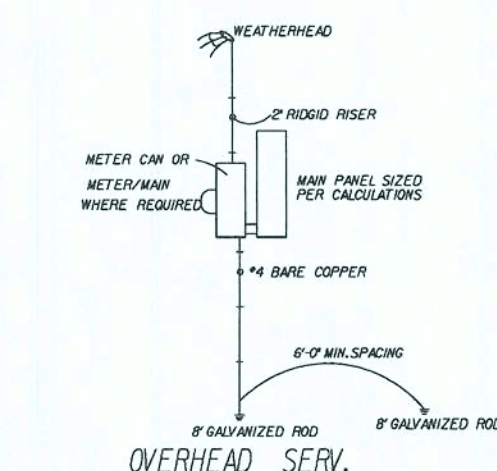
MAIN BREAKER LOAD CENTER

NOTE:
IF LOCAL CODE REQUESTS A LOCK-DOG DEVICE
ON BREAKERS FOR APPLIANCES, FIELD WILL
SUPPLY TO COMPLY

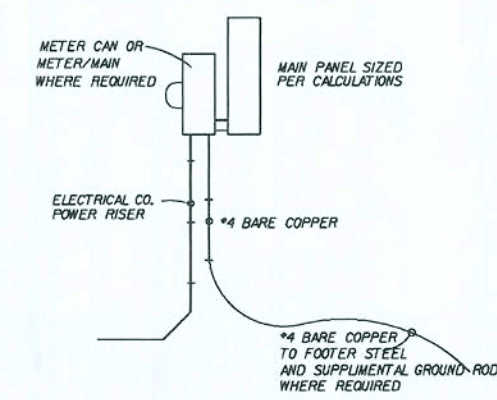


ELECTRIC PANEL FRAME

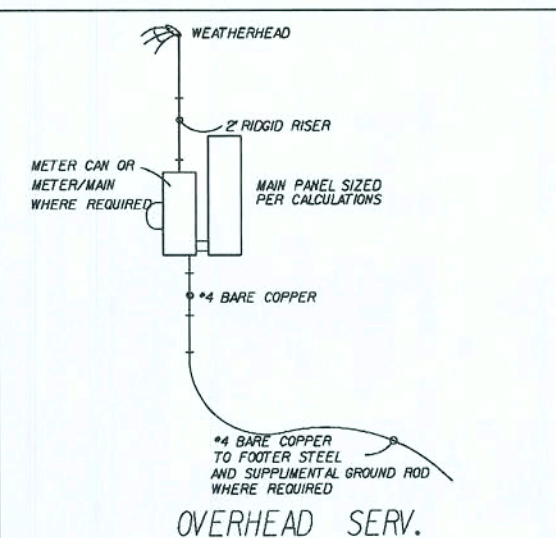
REVISED 09-07-07
ADDED HGT. @ 9'-4" MAS. WALL



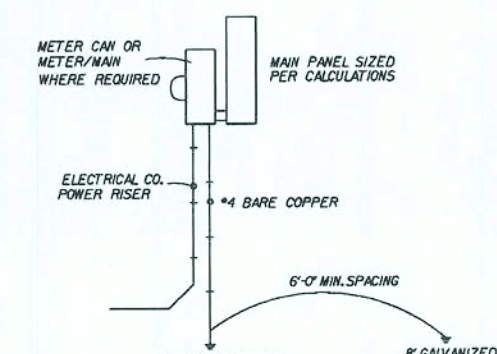
OVERHEAD SERV.



UNDER GROUND SERV.



OVERHEAD SERV.



8" GALVANIZED ROD
UNDER GROUND SERV.

* GROUNDING ELECTRODE SYSTEM TO BE INSTALLED
PER ARTICLE 250 NAT. ELECT. CODE *

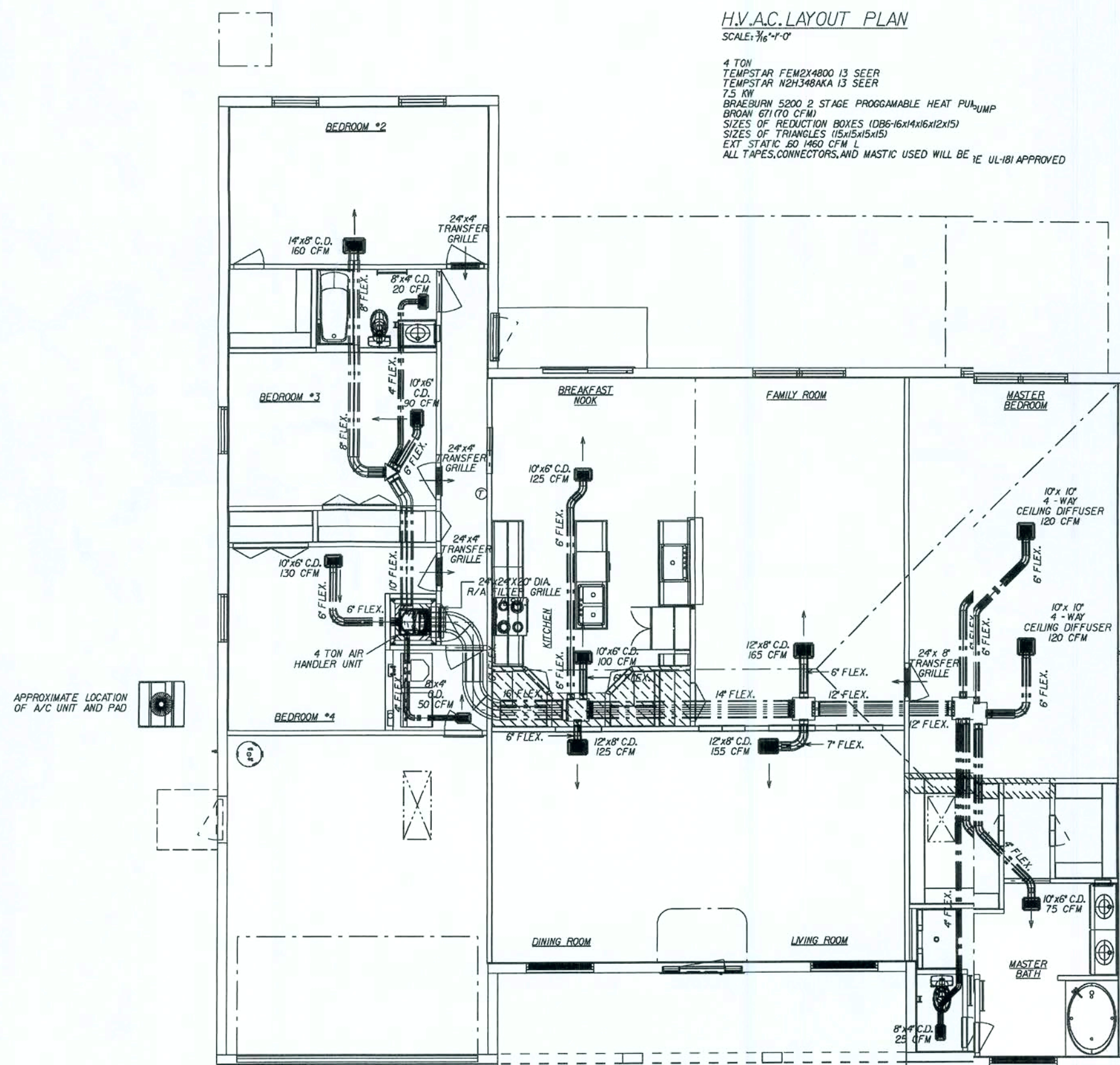
REVISIONS :
15-24-06 ADD NOTE FOR LOCK-DOG
2-28-06 REV. ELECT. LOAD CALC.
12-19-07 ADD SMOKE DETECTOR TO
PASTER BEDROOM
3-10-08 REV. DW. & GD RMT TO 2D A-MY

Maronda Homes
 4005 MARONDA WAY SANFORD, FLORIDA
 (407) 321-0064

AMERICANA	ELECTRICAL DETAILS
<i>DA VENPORT</i>	
DAWN BR.	GARAGE

SHEET: ELIA

[illegible]



H.V.A.C. LAYOUT PLAN
 SCALE: 3/8" = 1'-0"

4 TON
 TEMPSTAR FEM214800 13 SEER
 TEMPSTAR N2H348AKA 13 SEER
 1.5 KW
 BRAEBURN 5200 2 STAGE PROGRAMMABLE HEAT PUMP
 (BROWN 67170 CFM)
 SIZES OF REDUCTION BOXES (10B6-16x14x16x12x15)
 SIZES OF TRIANGLES (15x15x15)
 EXT. STATIC 20 W60 CFM L
 ALL TAPES, CONNECTORS, AND MASTIC USED WILL BE 1E UL-181 APPROVED

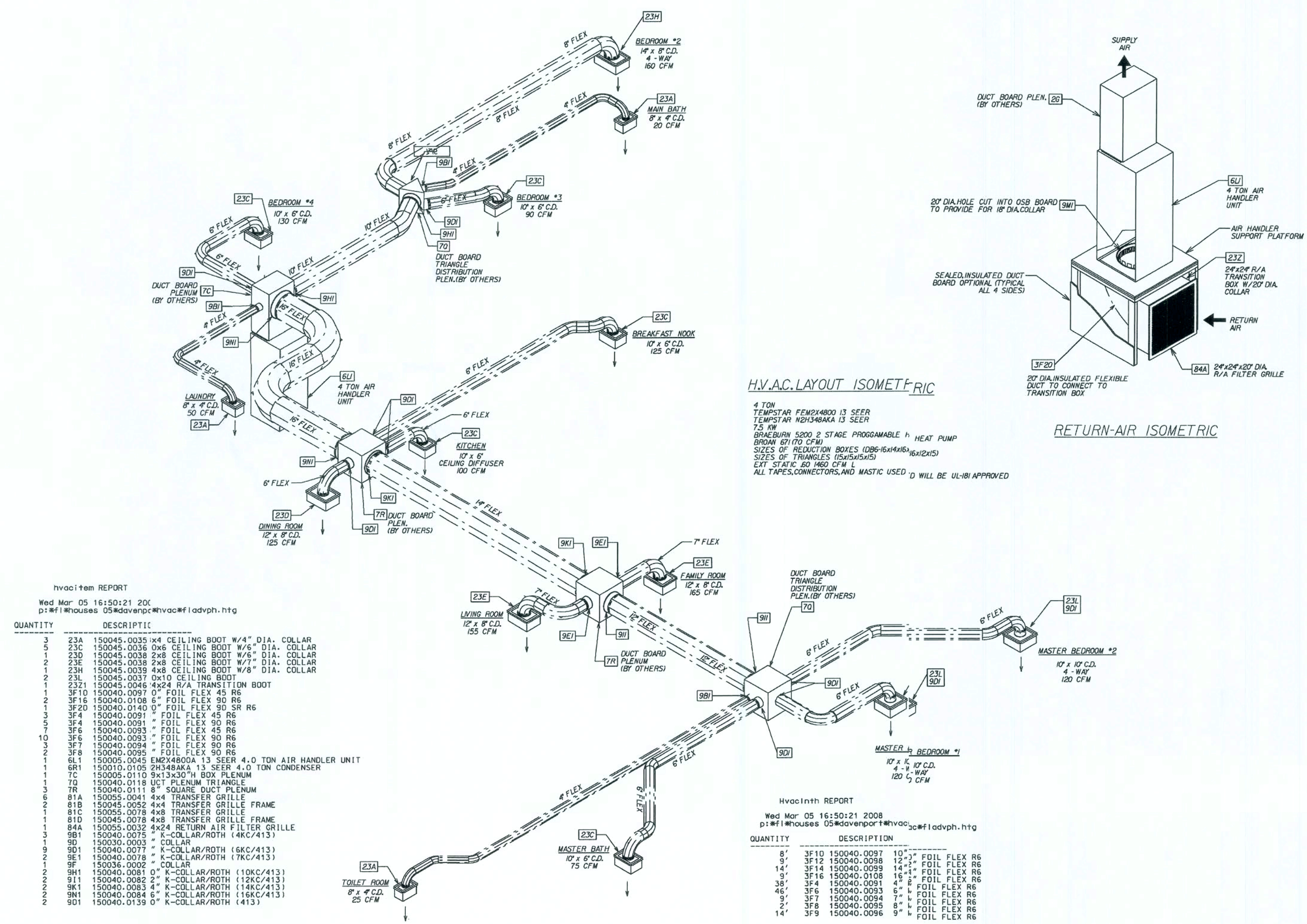
GENERAL MECHANICAL NOTES:
 ALL TAPES, CONNECTORS, AND MASTIC USED
 WILL BE UL-181 APPROVED.
 SEE ELECTRIC PLANS FOR EXHAUST FAN
 LOCATIONS IN BATH AREAS.
 SEE FLOOR PLAN FOR CLOTHES DRYER
 VENT LOCATION.
 MICRO24 BALANCED RETURN AIR
 TRANSFER GRILLES @ HABITABLE ROOMS
 SEE DETAIL BELOW:

INTERIOR DOOR ELEVATION

Maronda Homes 4005 MARONDA WAY SANFORD, FLORIDA (407) 321-0064	
AMERICAN DAVENPORT	HVAC MECHANICALS HVAC LAYOUT PLAN GARAGE LEFT
SHEET: HVA	RELEASE DATE: 01/19/05 DRAWN BY: [blank] PLOT DATE: 22 APR 2008

* USE WITH 13 SEER EQUIP. *

* USE WITH 13 SEER EQUIP. *



hvacitem REPORT
Wed Mar 05 16:50:21 2008
p:\#f\houses 05\davenport\hvac\hvacadvph.htg

QUANTITY	DESCRIPTION
3	23A 150045.0035 1/4" DIA. CEILING BOOT W/4" DIA. COLLAR
5	23C 150045.0036 1/2" DIA. CEILING BOOT W/6" DIA. COLLAR
2	23D 150045.0038 2x8 CEILING BOOT W/6" DIA. COLLAR
1	23E 150045.0038 2x8 CEILING BOOT W/7" DIA. COLLAR
2	23H 150045.0039 4x8 CEILING BOOT W/8" DIA. COLLAR
1	23L 150045.0037 10" DIA. CEILING BOOT
1	23Z1 150045.0046 4x24 R/A TRANSITION BOOT
1	3F10 150040.0097 0" FOIL FLEX 45 R6
1	3F16 150040.0108 6" FOIL FLEX 90 R6
1	3F20 150040.0140 0" FOIL FLEX 90 SR R6
1	3F4 150040.0091 1" FOIL FLEX 45 R6
1	3F4 150040.0091 1" FOIL FLEX 90 R6
1	3F6 150040.0093 1" FOIL FLEX 45 R6
1	3F6 150040.0093 1" FOIL FLEX 90 R6
1	3F7 150040.0094 1" FOIL FLEX 90 R6
1	3F8 150040.0095 1" FOIL FLEX 90 R6
1	6L1 150005.0045 EM24800A 13 SEER 4.0 TON AIR HANDLER UNIT
1	6R1 150010.0105 2H348AKA 13 SEER 4.0 TON CONDENSER
1	7C 150005.0110 3x13x30" H BOX PLENUM
1	7R 150040.0118 UCT PLENUM TRIANGLE
1	7R 150040.0111 8" SQUARE DUCT PLENUM
6	81A 150055.0041 4x4 TRANSFER GRILLE
2	81B 150045.0052 4x4 TRANSFER GRILLE FRAME
1	81C 150055.0078 4x8 TRANSFER GRILLE
1	81D 150045.0078 4x8 TRANSFER GRILLE FRAME
1	84A 150055.0032 4x24 RETURN AIR FILTER GRILLE
3	9B1 150040.0075 1" K-COLLAR/ROTH (4K/413)
1	9D 150030.0003 1" COLLAR
1	9D1 150040.0077 1" K-COLLAR/ROTH (6K/413)
2	9E1 150040.0078 1" K-COLLAR/ROTH (7K/413)
1	9E1 150036.0002 1" COLLAR
1	9H1 150040.0081 0" K-COLLAR/ROTH (10K/413)
1	9I1 150040.0082 2" K-COLLAR/ROTH (12K/413)
1	9K1 150040.0083 4" K-COLLAR/ROTH (14K/413)
2	9N1 150040.0084 6" K-COLLAR/ROTH (16K/413)
2	9O1 150040.0139 0" K-COLLAR/ROTH (413)

hvacinth REPORT
Wed Mar 05 16:50:21 2008
p:\#f\houses 05\davenport\hvac\hvacadvph.htg

QUANTITY	DESCRIPTION
8	3F10 150040.0097 10" FOIL FLEX R6
9	3F12 150040.0098 12" FOIL FLEX R6
14	3F14 150040.0099 14" FOIL FLEX R6
9	3F16 150040.0108 16" FOIL FLEX R6
38	3F4 150040.0091 1" FOIL FLEX R6
46	3F6 150040.0093 1" FOIL FLEX R6
9	3F7 150040.0094 1" FOIL FLEX R6
2	3F8 150040.0095 1" FOIL FLEX R6
14	3F9 150040.0096 9" FOIL FLEX R6

REVISIONS

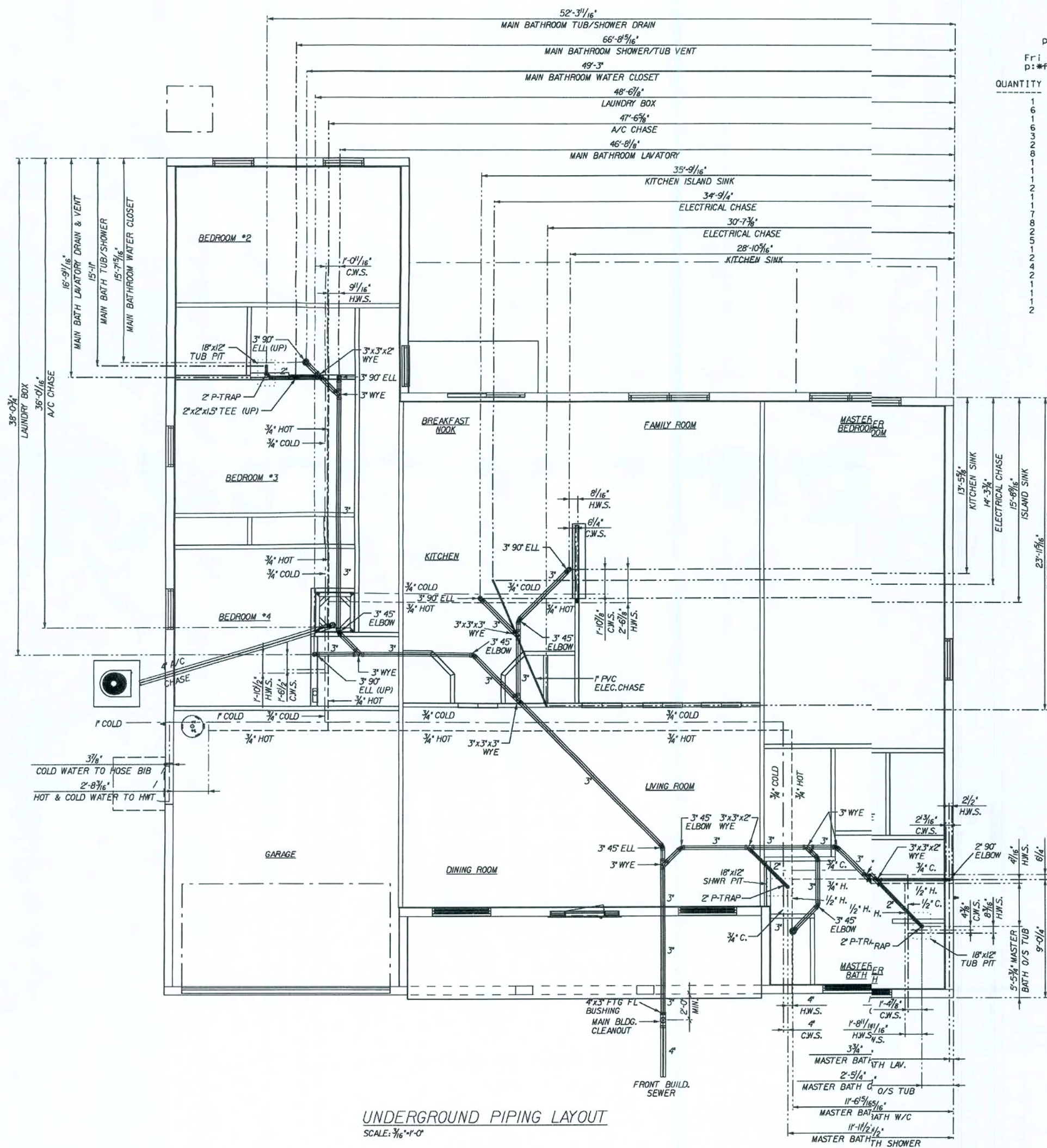
NO.	DATE	DESCRIPTION
04/06	REVISED AS PER DWGSET	
03/06	REVISED AS PER DWGSET	

Maronda Homes
FLORIDA
4003 MARONDA WAY
SANFORD, FLORIDA 32771-3211
COPYRIGHT © 2008 MARONDA HOMES

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
APPROVED BY: [Signature]
DATE: 01/19/05

DAVENPORT
AMERICANA HVAC MECHANICALS
H.V.A.C. ISOMETRIC LAYOUT
DRAWN BY: [Signature]
RELEASE DATE: 01/19/05

SHEET:
ISO-H
PLOT DATE: 22 APR 2008



UNDERGROUND PIPING LAYOUT
SCALE: 1/4" = 1'-0"

Plumitem REPORT
Fri Oct 13 10:53:53 2006
p:\fl\houses 05\davenport\plumbing\dvpp.ugp

QUANTITY	DESCRIPTION
14C	130005.0041 2" PVC 90 ELBOW
14D	130005.0066 3" PVC 90 ELBOW
14E	130005.0085 4" PVC 90 ELBOW
18E	130005.0076 3" PVC 45 WYE
18G	130005.0063 3"x3"x2" PVC 45 WYE
1B	130005.0099 4"x3" CLOSET FLANGE
21D	130005.0064 3" PVC 45 ELBOW
23J	130005.0034 3"x2"x1.5" PVC TEE
24B	130005.0150 4" 2-WAY CLEANOUT TEE
29H	130005.0289 4x4 FEM ADPTR W/ C/D PLG.
4B	130005.0032 2x1.5 FTG FL BUSHING
4D	130005.0059 3x2 FTG FL BUSHING
4F	130005.0098 4x3 FTG FL BUSHING
56A	150060.0199 1/2" CPVC 90 ELBOW
56B	130010.0007 3/4" CPVC 90 ELBOW
56C	130010.0057 1" CPVC 90 ELBOW
64B	130010.0013 3/4" CPVC TEE
64C	130010.0035 3/4"x1/2"x1/2" CPVC TEE
64F	130010.0037 3/4"x1/2"x3/4" CPVC TEE
64G	130010.0009 3/4"x3/4"x1/2" CPVC TEE
64M	130010.0099 1x3/4x3/4 CPVC TEE
670A	130005.0105 1 1/2" WATCO TUB OVERFLOW ASSEMBLY
6B	130005.0046 2" P-TRAP ParTB
6B	130005.0046 2" P-TRAP

PlumInth REPORT
Fri Oct 13 10:53:53 2006
p:\fl\houses 05\davenport\plumbing\dvpp.ugp

QUANTITY	DESCRIPTION
47	130005.0023 1.5" PIPE
197	130005.0047 2" PVC PIPE
109	130005.0072 2" PVC PIPE
22	130005.0091 3" PIPE
225	130010.0012 3/4" CPVC PIPE
307	130010.0025 1" CPVC PIPE
187	130010.0056 1" CPVC PIPE

WATER LINES
COLD - - - - -
HOT - - - - -

PER FLORIDA PLUMBING CODE: ALL WATER INTO HOUSE WILL RUN ON 1" CPVC TO FIRST FIXTURE GROUP. REVISED 10-03-06
PER FLORIDA PLUMBING CODE: ALL DWY THROUGH FOOTERS WILL BE SLEEVED. REVISED 08-15-05

REVISIONS:

04/07/06	REVISED AS PER DMS.TJM
08/08/06	REVISED & BOM T.J.M
10/11/06	REMOVED SHOWER VENT T.J.M

AMERICAN UNDERGRD PIPING

Maronda Homes
4005 MARONDA WAY SANFORD, FLORIDA 32711 321-0064

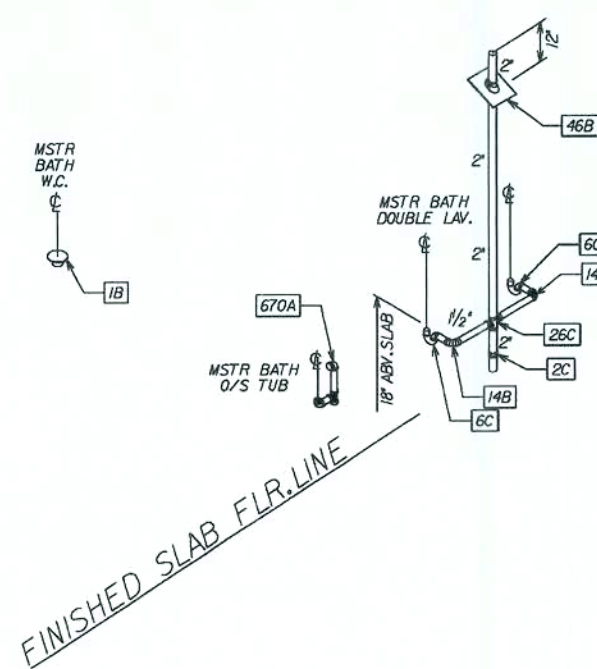
FLORIDA PLUMBING CODE: ALL WATER INTO HOUSE WILL RUN ON 1" CPVC TO FIRST FIXTURE GROUP. REVISED 10-03-06
FLORIDA PLUMBING CODE: ALL DWY THROUGH FOOTERS WILL BE SLEEVED. REVISED 08-15-05

DAVENPORT
UNDERGROUND PLUMBING LAYOUT

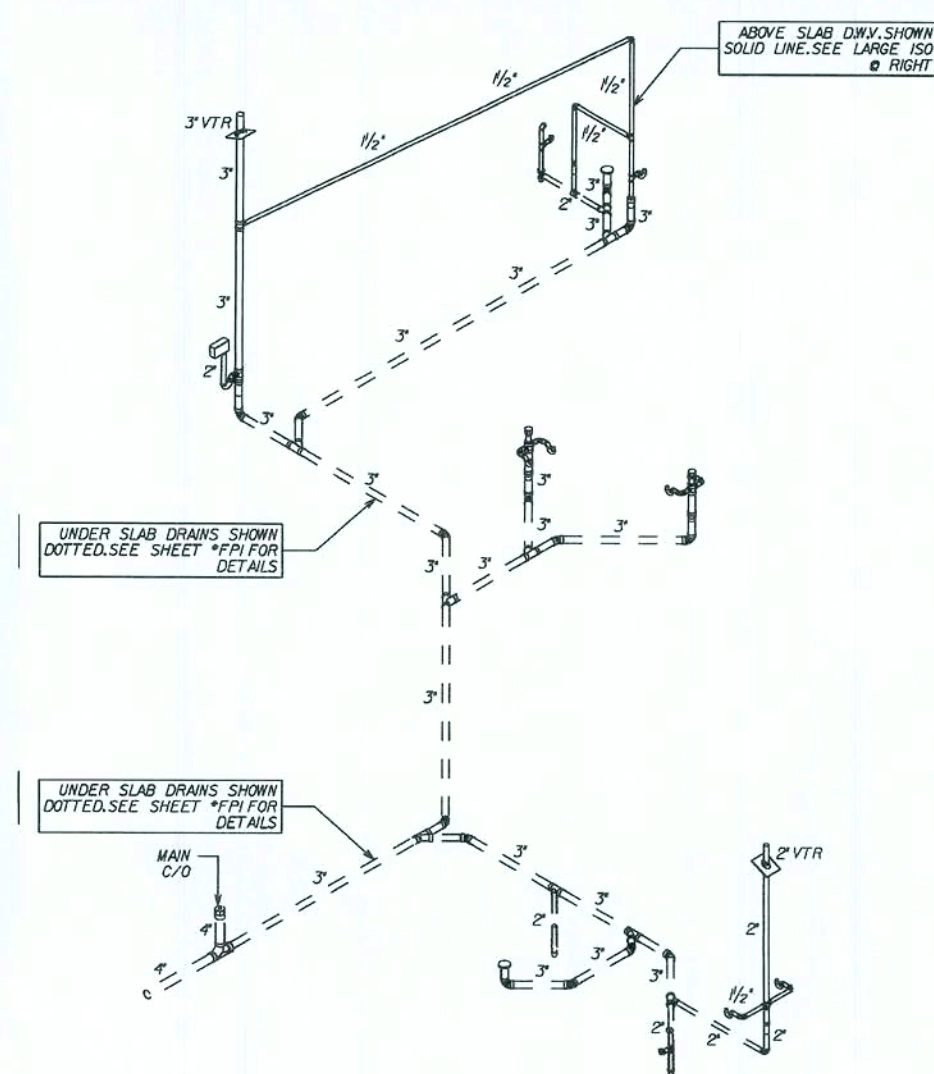
DRAWN BY: BARGEI LEFT
RELEASE DATE: 01/19/05
1/19/05

SHEET: **FPI**

PLOT DATE: 14 NOV 2007



11. ABOVE SLAB D.W.V. SHOWN
SOLID LINE. SEE LARGE ISO
• RIGHT



```

plumbing REPORT
Mon Sep 11 15:57:55 2006
p#f#l#houses 05d5venvnp#r#plumbing#f#l#dovpp.p#m

QUANTITY      DESCRIPTION
-----
8 14B 130005.0013 1.5" PVC 90 ELBOW
2 1B 130005.0099 4"x3" CLOSET FLANGE
2 23B 130005.0099 1.5" PVC 90 ELBOW
1 23K 130005.0056 3"x3"x1.5" PVC TEE
1 23L 130005.0062 3"x3"x2" PVC TEE
2 26C 130005.0132 1.5"x1.5"x1.5" DOUBLE TEE
2 26E 130005.0132 3"x1.5"x1.5" DOUBLE TEE
1 2B 130005.0017 1.5" PVC COUPLING
1 2C 130005.0043 3" PVC COUPLING
3 2E 130005.0068 3" PVC COUPLING
1 2F 130005.0055 3x1.5" PVC REDUCER COUPLING
1 46B 130005.0125 3" NEPRENE ROOF FLASHING
1 46C 130005.0028 3" NEPRENE ROOF FLASHING
2 4D 400309.0059 3x2 FTG FL BUSHING
2 620B 130005.0027 4" DUNDY BOX RIGHT
2 670A 130005.0105 1.1/2" WATCO TUB OVERFLOW ASSEMBLY
1 6B 130005.0046 2" F-TRAP
1 6C 130005.0046 2" F-TRAP
2 7A 130005.0160 1.25-2" STUOD MINT-W/UNION JT

```

PlumInth REPORT

QUANTITY	DESCRIPTION
41'	130005.0023 1.5" PIPE
13'	130005.0047 2" PVC PIPE
18'	130005.0072 3" PVC PIPE

REVISED :	
04/07/06	REVISED AS PER DWGS.TJM
09/11/06	REVD.KITCH.SINK ASSEM.-TJM
10/13/06	REMOVED SHOWER VENT TJM

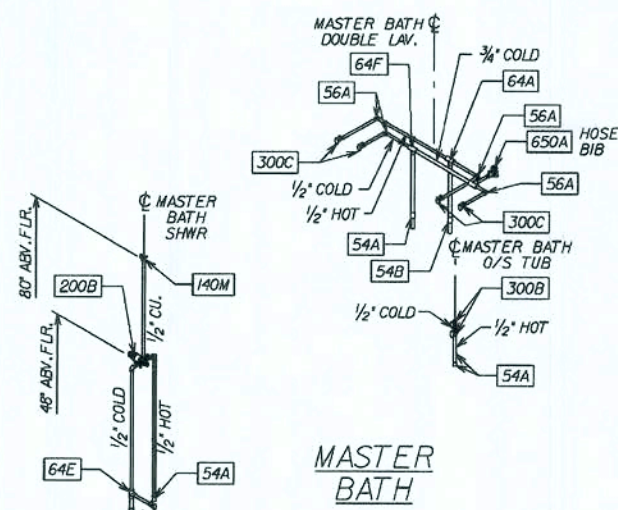
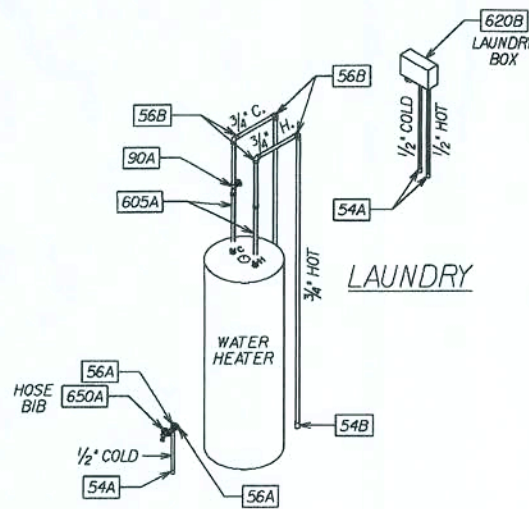
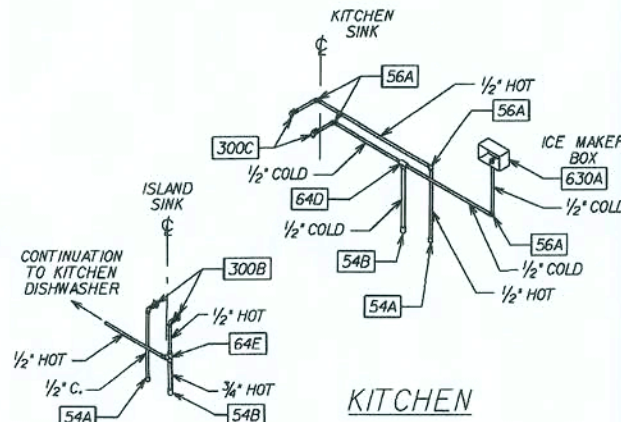
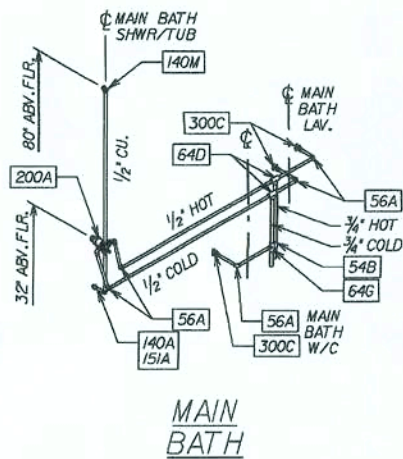
Maronda Homes
 (707) 321-0064 4005 MARONDA WAY SAN DIEGO, FLORIDA 92121
 THIS STRUCTURE WAS DESIGNED IN
 CONJUNCTION WITH THE ARCHITECTS
 MEMBERS OF THE FLORIDA BUILDING CODE
 BOARDS, RESIDENTIAL ARCHITECTS BOARD, SUPPLEMENT

AMERICANA	PLUMBING ISOMETRIC
<i>DA VENPORT</i>	
PLUMBING ISOMETRIC	
DRAWN BY:	GARAGE: LEFT
RELEASE DATE: 01/19/05	

SHEET:
ISO-P

05\downport\plumbing\ladypa-rev.150

PLOT DATE: 14 NOV 2007



Plumbing Report

16:26:35 2006

05#dovenportplumbing#ladpw-rev.wtr

QUANTITY	DESCRIPTION
1	140A 130025.0017 1/2" COPPER 90 ELBOW
2	140B 130025.0051 1/2" COPPER 90 ELBOW Drop
1	151A 130025.0020 1/2" COPPER MALE ADAPTER
1	200A 130035.0061 Tub Diverter
1	200B 130035.0061 Shower Diverter
12	300C 130010.0049 Straight Valve 1/2" x 3/8"
8	54A 130010.0046 1/2" x 3/8" Angle Valve
8	54B 130010.0022 1/2" CPVC COUPLING
19	56A 130010.0009 3/4" CPVC COUPLING
4	56B 150060.0199 1/2" CPVC 90 ELBOW
2	58A 130010.0007 3/4" CPVC 90 ELBOW
2	605A 130010.0027 1/2" CPVC 90 ST. ELBOW
1	605A 130055.0047 Corr Gas App Conn
1	620B 130035.0027 Laundry Box Right
1	62A 130010.0029 1/2" CPVC 45 ST. ELBOW
1	630A 130035.0057 Ice Maker Box
4	64D 130010.0096 1/2x1/2x3/4 CPVC TEE
3	64E 130010.0035 3/4x1/2x1/2 CPVC TEE
1	64F 130010.0037 3/4x1/2x3/4 CPVC TEE
1	64G 130010.0005 3/4x3/4x1/2 CPVC TEE
2	650A 130050.0109 1/2" Hose Bib
2	66B 130010.0010 3/4" CPVC MALE ADAPTER BRASS THREADS
1	90A 130035.0080 Shut-Off Valve

Plumbing Report

16:26:35 2006

05#dovenportplumbing#ladpw-rev.wtr

QUANTITY	DESCRIPTION
32'	130010.0012 3/4" CPVC PIPE
54'	130010.0025 1/2" CPVC PIPE
8'	130025.0006 1/2" COPPER PIPE

PER FLORIDA PLUMBING CODE, ALL WATER INTO HOUSE WILL RUN ON CPVC TO FIRST FIXTURE GROUP.

REVISED 10-03-06

SHEET:

ISO-W

AMERICANA WATER ISOMETRIC

DAVENPORT

WATER LINES ISOMETRIC

GARAGE LEFT

RELEASE DATE: 01/19/05

14 NOV 2007

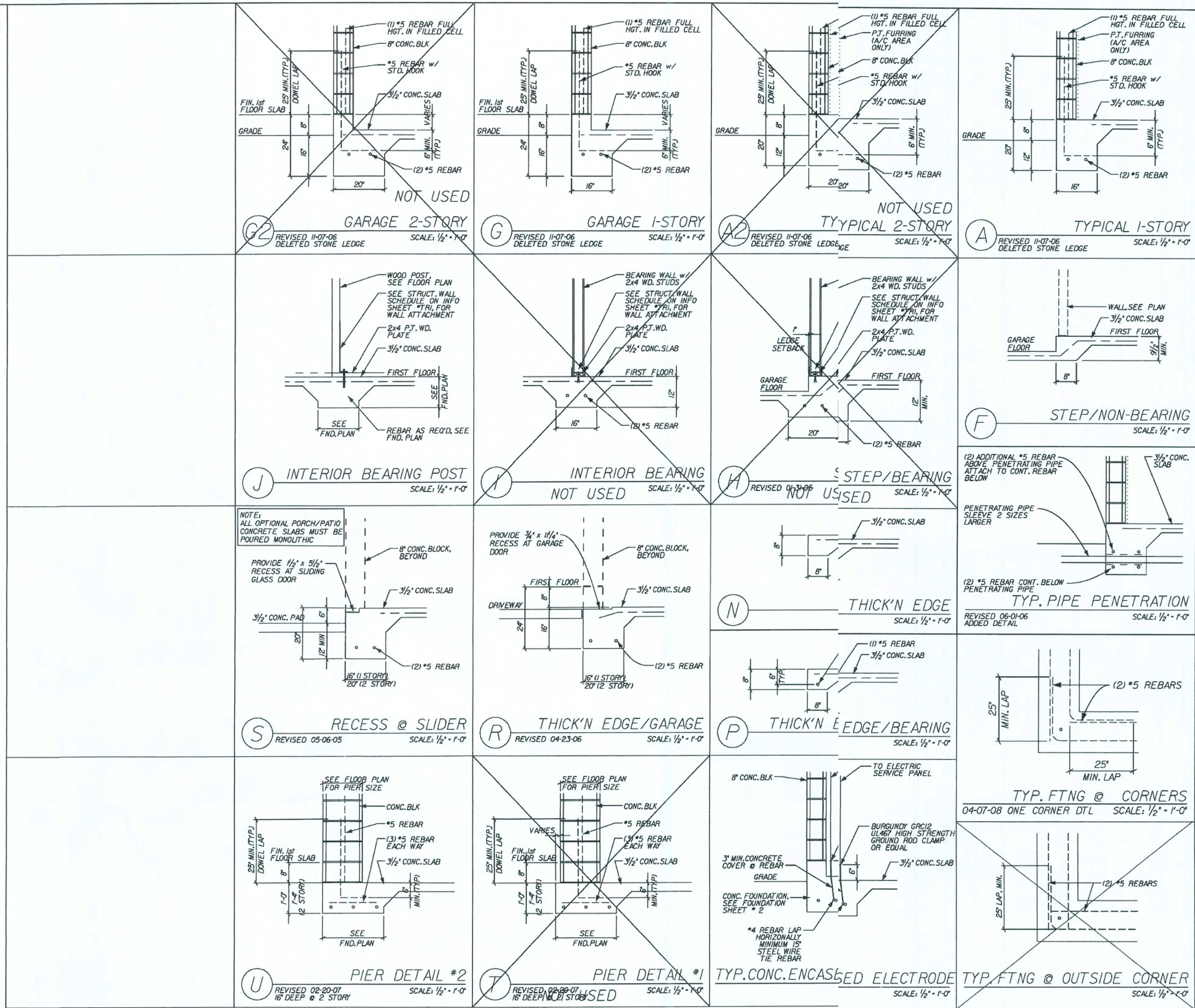
Maronda Homes

16071 321-0064

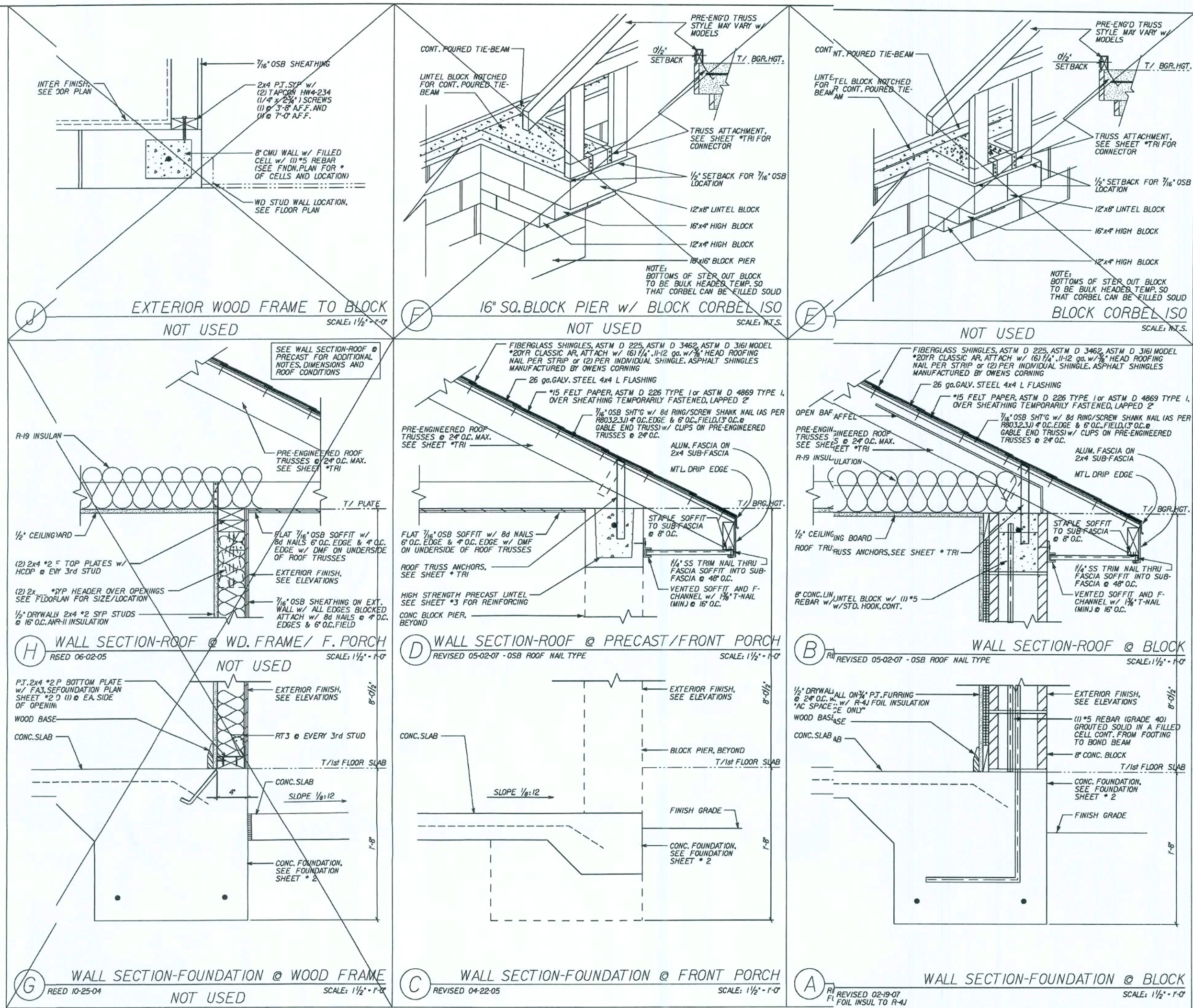
1005 MARONDA WAY SANFORD, FLORIDA

REVISIONS

04-07-06 REVISED AS PER DMS.T.M



REVISIONS: 1. 04-23-06 2. 04-23-06 3. 04-23-06 4. 04-23-06 5. 04-23-06 6. 04-23-06 7. 04-23-06 8. 04-23-06 9. 04-23-06 10. 04-23-06 11. 04-23-06 12. 04-23-06 13. 04-23-06 14. 04-23-06 15. 04-23-06 16. 04-23-06 17. 04-23-06 18. 04-23-06 19. 04-23-06 20. 04-23-06	
Maronda Homes 4005 MARONDA WAY SANFORD, FL 32771 (407) 321-0064	
AMERICAN STANDARD DETAILS DAVENPORT	REVISIONS: 1. 04-23-06 2. 04-23-06 3. 04-23-06 4. 04-23-06 5. 04-23-06 6. 04-23-06 7. 04-23-06 8. 04-23-06 9. 04-23-06 10. 04-23-06 11. 04-23-06 12. 04-23-06 13. 04-23-06 14. 04-23-06 15. 04-23-06 16. 04-23-06 17. 04-23-06 18. 04-23-06 19. 04-23-06 20. 04-23-06
Maronda Systems 4005 Maronda Way Sanford, FL 32771 (407) 321-0064	Elmer Bergman, P.E. License No. 50158 MAY 29 2008
SHEET: FTG	DATE: 14 NOV 2007 PLAT DATE: 14 NOV 2007



REVISIONS:



ONE STORY WALL SECTIONS
DAVENPORT

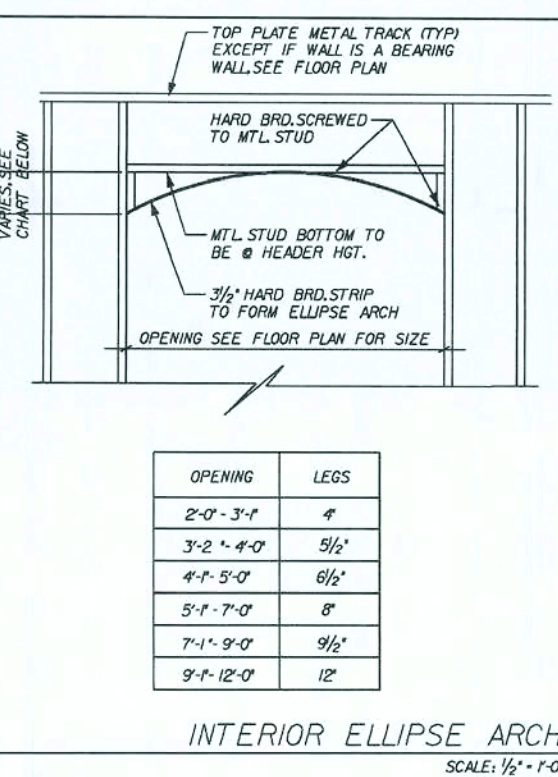
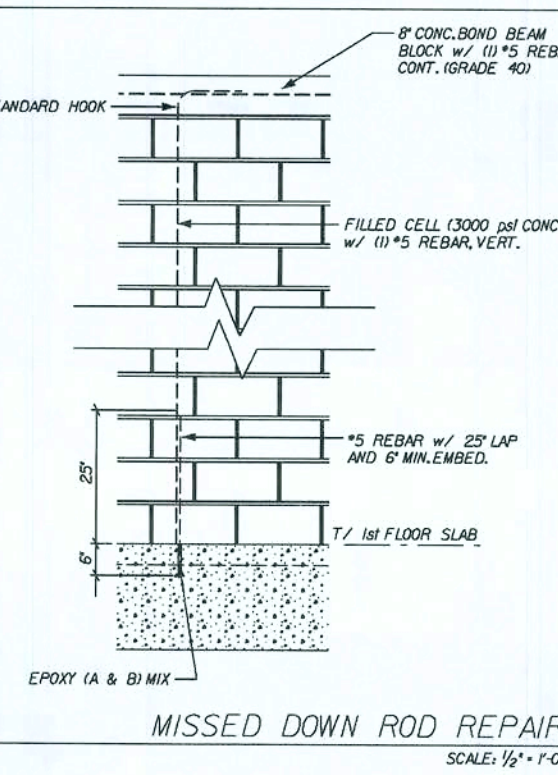
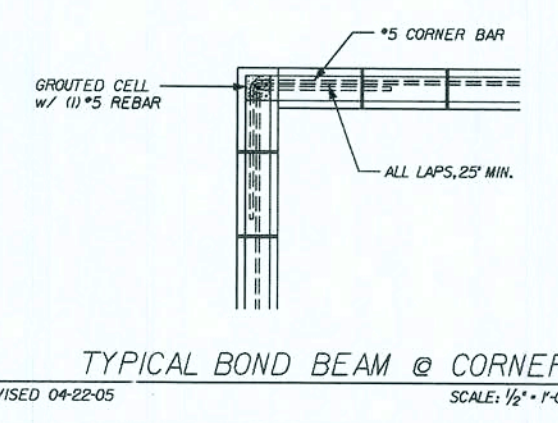
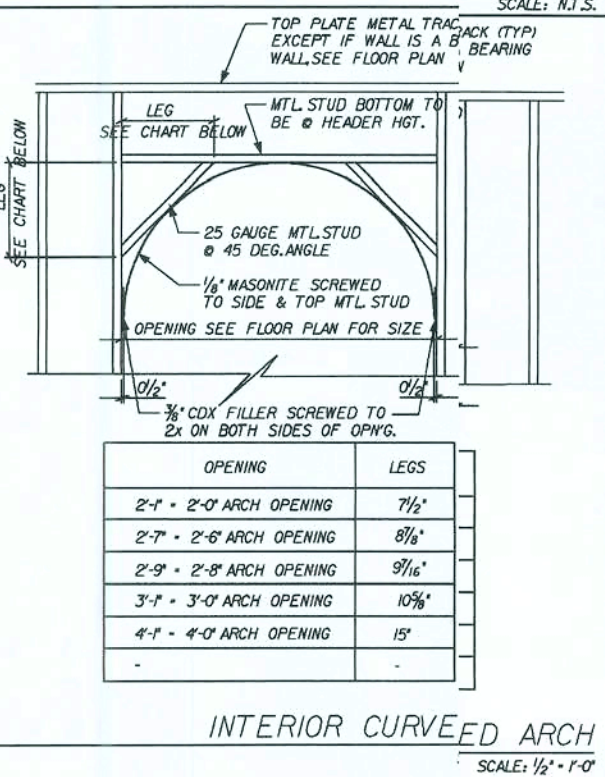
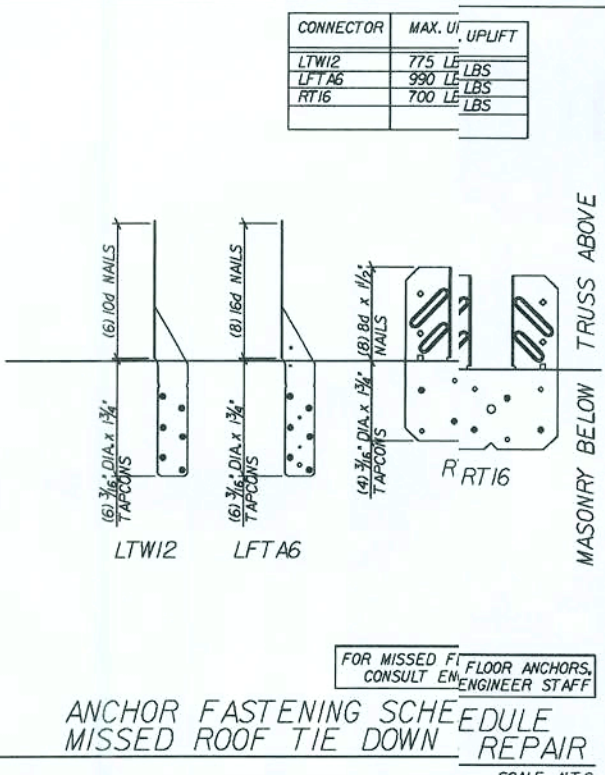
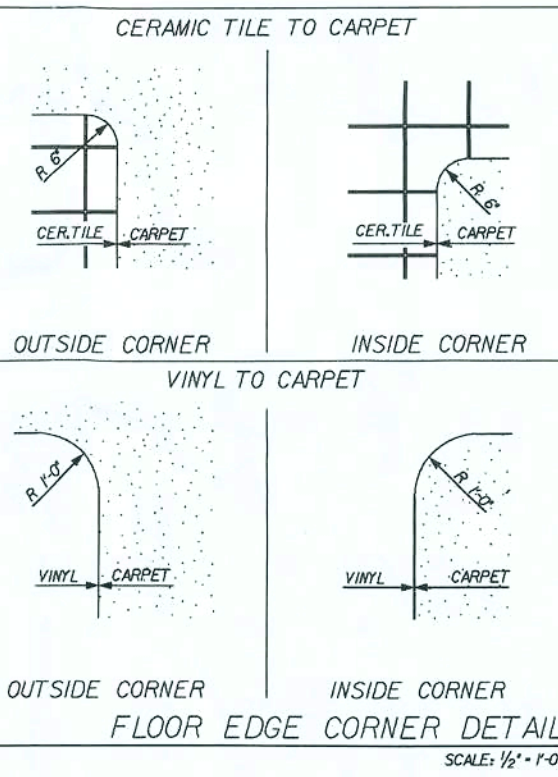
Maronda Systems
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Sanford, FL 32771
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Elmer Bergman, P.E.
License No. 50158
MAY 29 2008

SHEET:
WS-B1

DATE: 04-22-05
DRAWN BY: GARAGE:
RELEASE DATE: 04-22-05
PLOT DATE: 14 MAY 2007

USP HARDWARE - 160X REVISED 05-10-06			
PRODUCT IE #	MAN.	FASTENERS	UPLIFT
C44	USP	POST (6) 16d BEAM (6) 10d x 1 1/2"	1000
FA3	USP	TOP (4) 10d x 1 1/2" SIDE (2) 10d x 1 1/2"	1155
HCS20 1P	USP	PLATES (11) 8d STUD (6) 8d	445
HHCF2WR CLIP	USP	TRUSS (10) 10d x 1 1/2" PLATE (10) 10d x 1 1/2"	800
HTA 2GANCHOR	USP	(14) 10d x 1 1/2"	1615
HTA 20 ANCHOR	USP	(13) 10d x 1 1/2"	3230
HTW24	USP	(20) 10d	1325
HUGT2	USP	CONC. ANCH. BOLT (2) 3/4" x (2) 3/4" WASH 3/4" x 1/2" EMBED. - ALL GROUND - (8) 10d	9790
HUGT3	USP	CONC. ANCH. BOLT (2) 3/4" x (2) 3/4" WASH 3/4" x 1/2" EMBED. - ALL GROUND - (8) 10d	9860
JUS 26	USP	(4) 10d HEADER (4) 10d TRUSS	1115
KST22TRP ANC.	USP	(34) 16d	4750
LPTA	USP	FACE OF GABLE W/ 2x4 (11) 10d x 1 1/2"	1250
LSTA36	USP	(22) 10d x 1 1/2"	1640
LTW12	USP	(12) 10d	670
LTS20 RAP ANC	USP	ANCHOR 1/2" WEDGE BOLT 3/4" EMBED. (10) 10d x 1 1/2" STRAP	1890
LBP12 HIRING PLT	USP	1/2" J-BOLT	2515
LFTA6	USP	PLATE (8) 8d STUD (8) 8d	1035
MP6F	USP	HEADER/STUD (6) 8d TYPE 1 JOIST/PLATE (6) 8d	605
MPA1 & 2AIF	USP	HEADER/STUD (6) 8d JOIST/PLATE (6) 8d	660
MSTA12	USP	(10) 10d	1015
MSTA18	USP	(14) 10d	1420
MSTA24	USP	(18) 10d	1640
MSTA36	USP	(22) 10d	2065
MTW12	USP	(14) 10d	1030
MTW18	USP	(14) 10d	1030
MTS276TRP ANC	USP	(24) 16d (1) 3/4" ANCHOR BOLT 3/4" EMBED.	4635
MUGT15	USP	(22) 10d (1) 3/4" ANCHOR BOLT 3/4" EMBED.	4165
NP37 3X 7	USP	HEADER (6) 16d TOP OF BOT. SEC. (6) 10d x 1 1/2"	
PA 28	USP	(15) 16d	3360
RT-16	USP	TOP PLATES (8) 8d TRUSS (8) 8d x 1 1/2"	1030
RT-16A	USP	TRUSS (8) 10d x 1 1/2" PLATE (8) 10d	1380
RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d x 1 1/2"	1160
RT5 CL3 L/R	USP	TRUSS (4) 8d PLATE (4) 8d	540
RT3 CL5 L/R	USP	(4) 8d TOP (4) 8d BOTTOM	530
SKH 26VR	USP	HEADER (6) 16d JACK (6) 10d x 1 1/2"	1085
SKHH26/R	USP	HEADER (18) 16d JACK (12) 10d x 1 1/2"	2190
SUH 2E	USP	HEADER (6) 10d JACK (4) 10d x 1 1/2"	725
SUH 2E	USP	HEADER (8) 10d JACK (6) 10d x 1 1/2"	800
TA 12 TAIL	USP	(5) #10 SCREWS (3) #10 SCREWS	825
TA 14	USP	(7) 10d x 1 1/2"	910
TA 18	USP	(8) 10d x 1 1/2"	920
TA 18	USP	(8) 10d x 1 1/2" 1-PLY (8) 10d x 1 1/2" 2-PLY	1205
TA 24	USP	(8) 10d x 1 1/2"	2410
TA 24	USP	(8) 10d x 1 1/2" 1-PLY (8) 10d x 1 1/2" 2-PLY	2410
THD26	USP	HEADER (18) 16d TRUSS (12) 10d x 1 1/2"	2170
THD28	USP	HEADER (28) 16d TRUSS (16) 10d x 1 1/2"	2330
THD28	USP	HEADER (28) 16d TRUSS (16) 10d x 1 1/2"	2485
THD42E	USP	HEADER (35) 16d TRUSS (18) 10d x 1 1/2"	2665
THD48	USP	HEADER (28) 16d TRUSS (16) 10d x 1 1/2"	2485
THU 26	CLEVELAND	HIP171100-HEADER (18) 16d JACK (5) 10d x 1 1/2"	1010
USC63	USP	TRUSS (8) 10d (4) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	11150
USC3F	USP	TRUSS (8) 10d (4) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	11150
USC73	USP	TRUSS (8) 10d (4) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	11150
UGT563	USP	TRUSS (8) 10d (4) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	6170



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AMERICAN STANDARD DETAILS
DA VENPORT

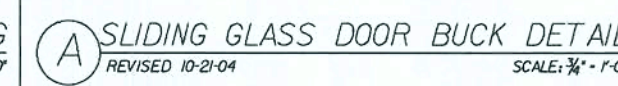
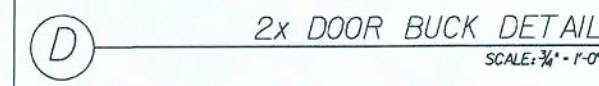
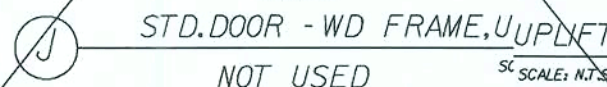
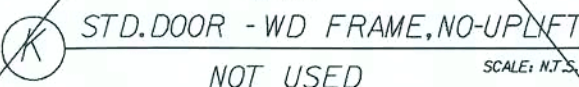
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 PLOT DATE: 14 NOV 2007

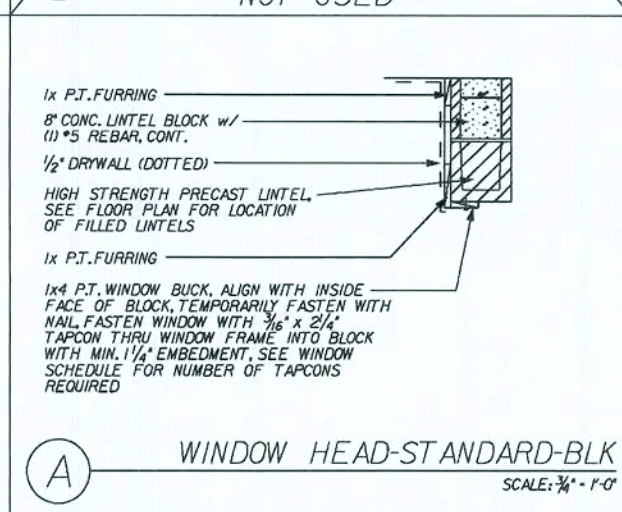
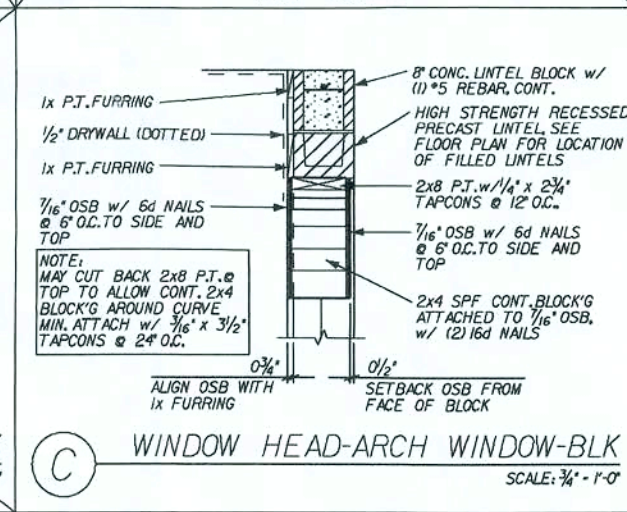
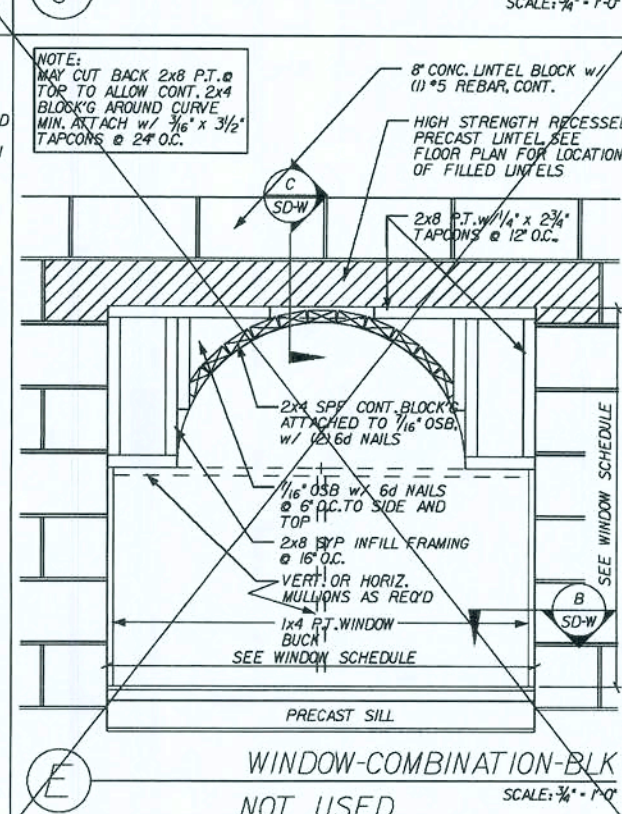
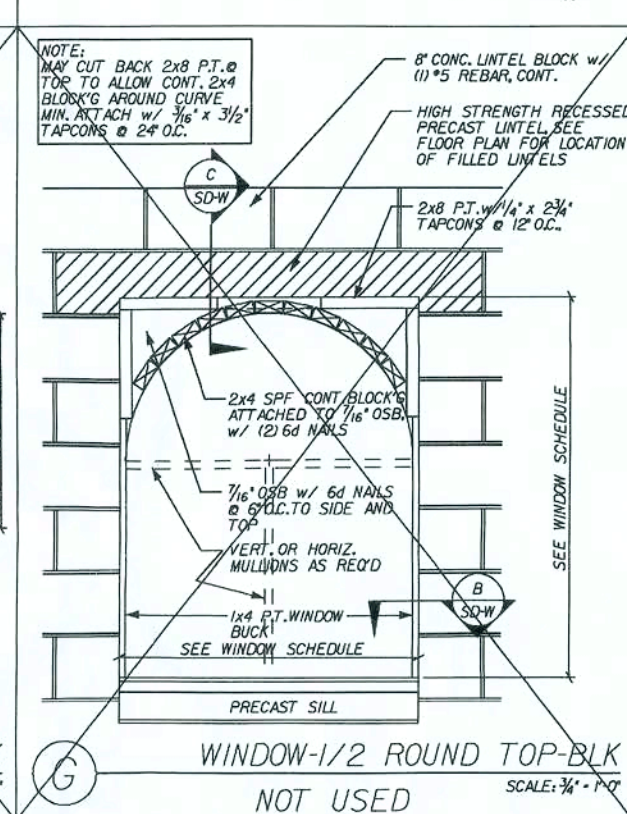
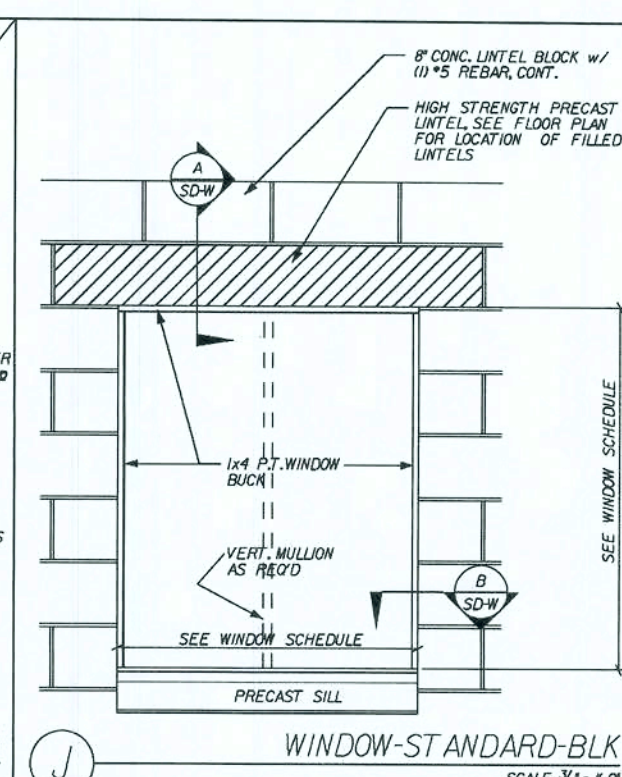
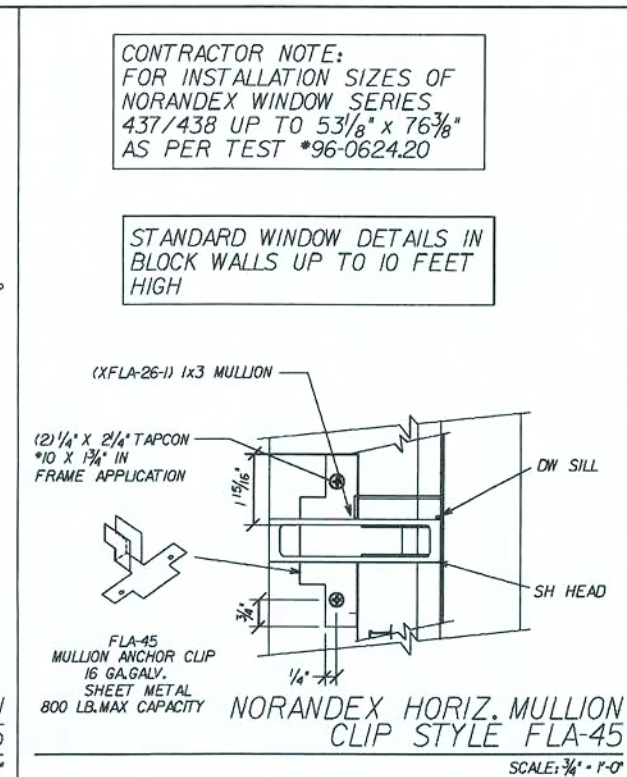
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Elmer Bergman, P.E.
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 MAY 29 2008

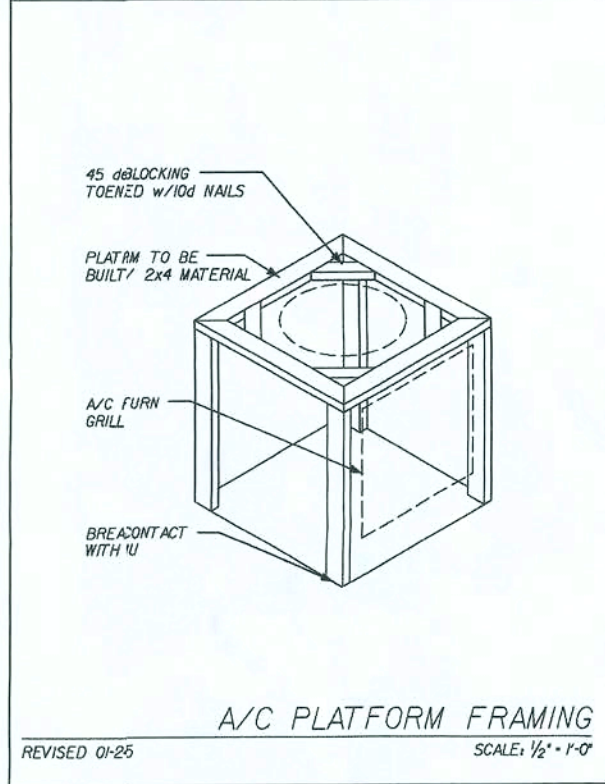
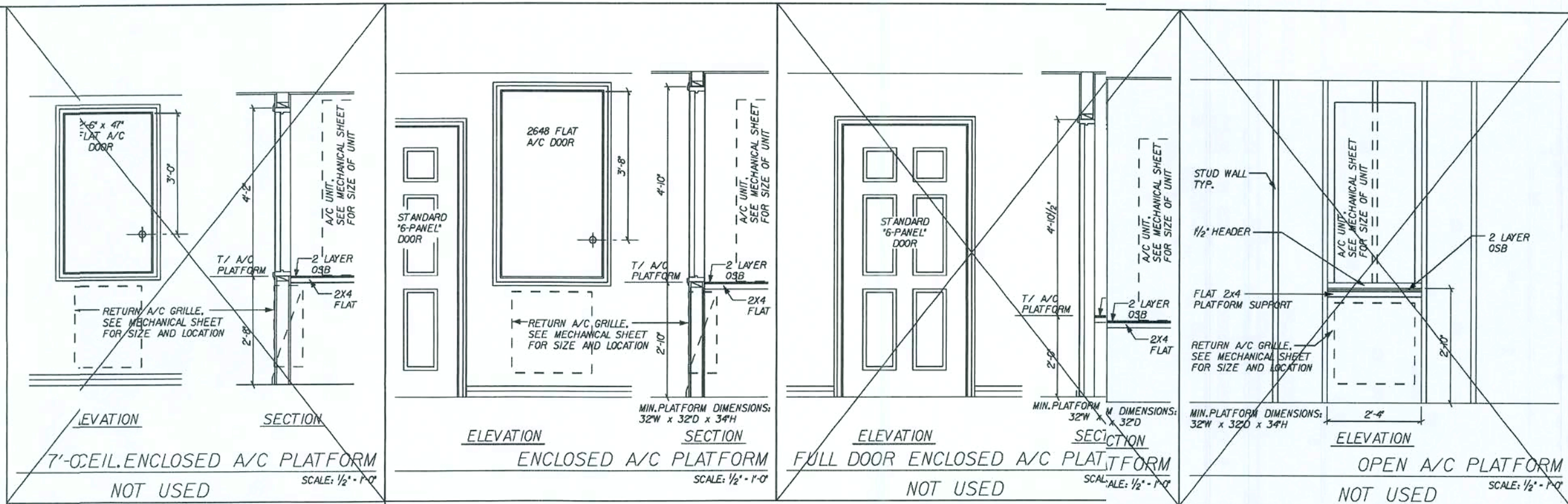
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** FINISHING IS DETERMINED BY ACTUAL SIZE $\frac{1}{4}$ " FOR HEIGHT
 ** FINISHING IS DETERMINED BY ACTUAL SIZE $\frac{1}{2}$ " FOR WIDTH
 ** O.S. FINISHING
 ** I.S. FINISHING





2019-05-05 10:00:00



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THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE. ANY DEVIATION FROM THE FLORIDA BUILDING CODE IS THE RESPONSIBILITY OF THE CLIENT.

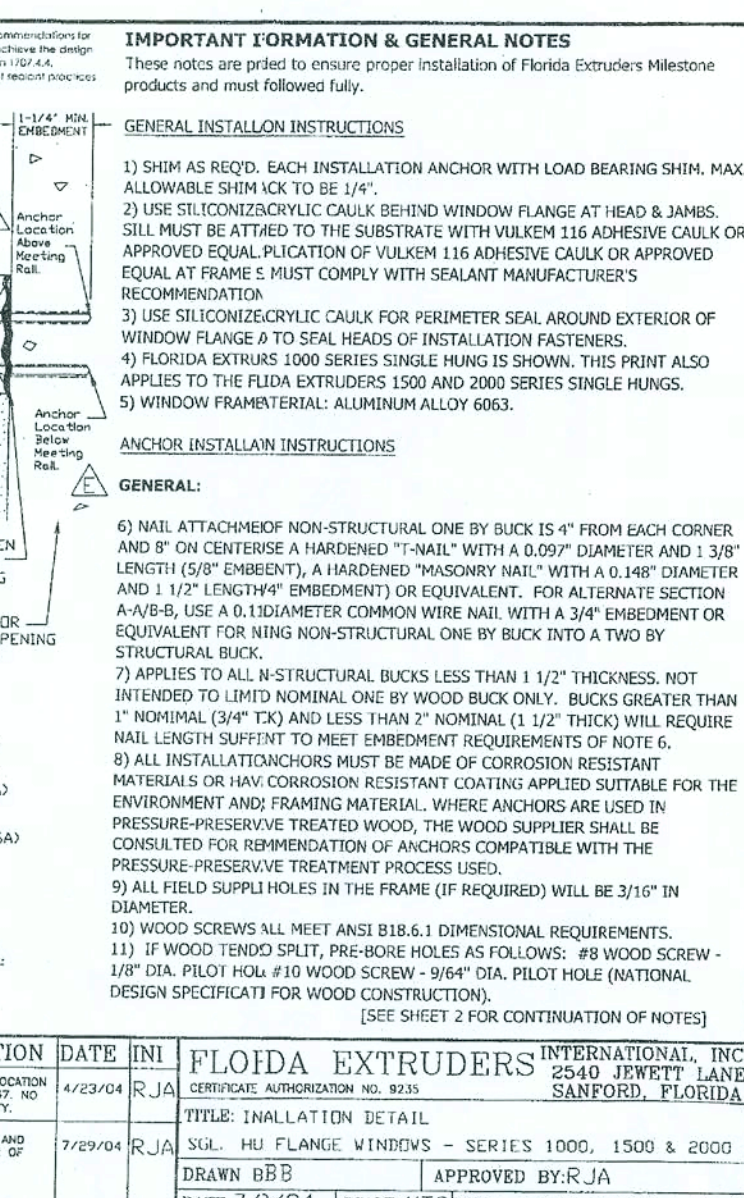
PLATFORM STANDARD DETAILS
DAVENPORT

DRAWN BY:
RELEASE DATE: 09-01-04

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MAY 29 2008

SHEET:
SD-H



IMPORTANT INFORMATION AND GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

3/16" DIA. TAPPER CONCRETE **ETC SCREW (WITH NON-STRUCTURAL ONE BY WOOD BUCK):**

- WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A NON-STRUCTURAL ONE BY WOOD BUCK (NOTE 7), USE A 3/16" DIA. TAPPER CONCRETE SCREW OF SUFFICIENT LTH. TO ACHIEVE MIN. EMBEDMENT OF 1-1/4" INTO MASONRY OR CONCRETE.
- SEE THIS SHEET FOR TAPPER CONCRETE SCREW INSTALLATION ANCHOR LOCATION CHART. LETTER DESIGNATIONS ON THE TAPPER LOCATION CHART INDICATE WHERE TAPPER CONCRETE SCREWS ARE TO BE INSTALLED WHEN THE EXTERIOR ELEVATION IS A KEY.
- 4) TAPPER (RAW) CONCRETE SCREW MANUFACTURED BY POWERS FASTENING, INC. WILL BE USED. TAPCON (BY ELO TEXTRON INC.) OR TITEN (BY SIMPSON STRONG-TIE) CAN BE SUBSTITUTED WITH THE FOLLOWING LIMITATIONS FOR THE SINGLE HUNG WINDOW SIZES:
 - 1) 18 1/8" x 62 AND (2) 30 1/2" x 84:
 - (a) LIMIT TO 65 PSF OR
 - (b) INSTALL ONE ADDITIONAL 1/4" DIA. SCREW PER ANCHOR.
- 5) ALL REMAINING FACTORY APPLIED INSTALLATION TAPPER SCREWS NOT USED FOR TAPPER CONCRETE SCREW INSTALLATION SHOULD BE FILLED WITH #8 WOOD SCREWS OF SUFFICIENT LTH. TO PROVIDE MIN. 5/8 IN. EMBEDMENT INTO WOOD BUCK.

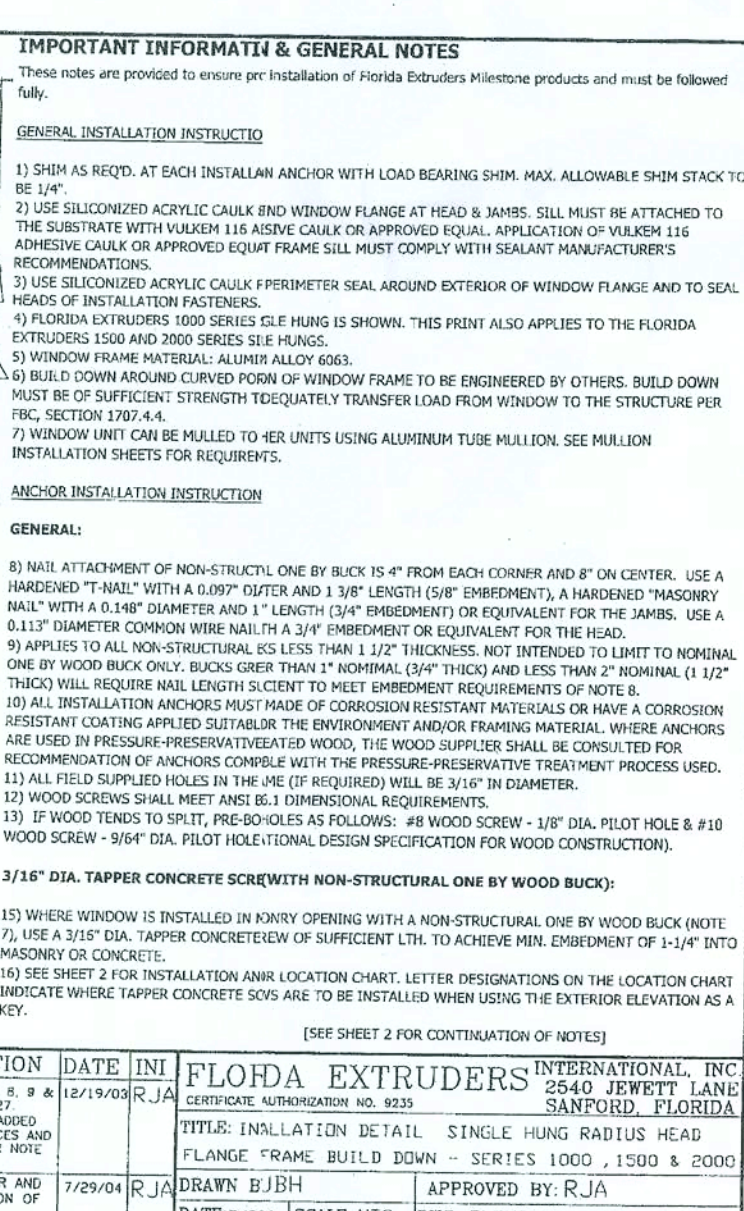
#10 WOOD SCREW (WITH STRUCTURAL TWO BY WOOD BUCK AND ONE OPTIONAL ONE BY WOOD BUCK - SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION, SIMILAR FOR SECTION B-B):

- 16) WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A STRUCTURAL TWO BY WOOD BUCK, USE #10 WOOD SCREWS (ANSI B18.6.1) OF SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MIN. EMBEDMENT INTO THE TWO RY WOOD BUCK.
- 16A) IF A TWO BY 8 OR RY WOOD BUCK ARE USED (SEE SECTION A-A ALTERNATE, SIMILAR FOR SECTION B-B), THEN #10 WOOD SCREWS OF SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MIN. EMBEDMENT INTO THE TWO BY WOOD BUCK WILL BE USED AND THE ONE BY WOOD BUCK WILL BE SECURED TO THE TWO BY WOOD BUCK AS REQUIRED IN NOTE 6 & 7.
- 17) #10 WOOD SCREWS SHALL BE INSTALLED AT ALL FACTORY APPLIED INSTALLATION FASTENER HOLE LOCATIONS.
- 18) WOOD SCREWS SHALL NOT BE USED TO FASTEN ASSEMBLY INTO THE END GRAN OF WOOD.

DESIGN PRESSURE RATING & FBC REQUIREMENTS

- 19) IF EXACT WINDOW SIZE IS NOT LISTED IN TAPPER ANCHOR CHART FOR NON-STRUCTURAL BUCK INSTALLATION, USE ANCHOR QUANTITY LISTED FOR NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE REQ'D.
- 20) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES TO 70 PSF FOR THE WINDOW SIZES SHOWN IN THE CHART. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
- 21) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 CLASS 01ARTS.
- 22) COMPLY WITH FBC, CHAPTER 17 SECTIONS 1707.4-4.1, FOR ANCHURING REQUIREMENTS, 1707.4.2.4 FOR MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATES AND 1707.4-4.3 FOR WOOD OR APPROVED FRAMING MEMBERS, MARCH 1, 2002.
- 23) TWO BY WOOD BUCK ANCHOR FRAMING AT THE HEAD AND JAMBS TO BE SECURELY FASTENED TO TRANSFER THE LOAD TO THE MASONRY, CONCRETE OR OTHER SUBSTRATE.

The diagram illustrates the anchor locations for a window. It shows a side elevation and a view from. The window is labeled with dimensions W.W. (width) and H. (height). Various anchor locations are marked with letters A through I. The diagram shows the window frame, the masonry opening, and the wood buck. The anchors are shown as screws or bolts. The diagram is labeled 'VIEWED FROM EXTERIOR (ANCHOR LOCATIONS)' and 'ELEVATION'.

[illegible]

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

3/16" DIA. TAPPER CONCRETE SCREW (WITH NON-STRUCTURAL ONE BY WOOD BUCK) (cont.):

- 7/16" TAPPER (RAWL) CONCRETE SCREW MANUFACTURED BY POWERS FASTENING, INC. WILL BE USED. TAPCON (BY ELO TECHTRON INC.) OR TITEN (BY SIMPSON STRONG-TIE) CAN BE SUBSTITUTED WITH THE FOLLOWING LIMITATIONS FOR THE SINGLE HUNG WINDOW CALL SIZE 15:
 - a) LIMIT TO 65 PSF, OR
 - b) INSTALL ONE ADDITIONAL FASTENER IN EACH JAMB OVER CHART REQUIREMENTS AT LOCATIONS H AND I.
- ALL REMAINING FACTORY APPLIED INSTALLATION FASTENER HOLES NOT USED FOR TAPPER CONCRETE SCREW INSTALLATION SHOULD BE FILLED WITH #8 WOOD SCREWS OF SUFFICIENT LTH. TO PROVIDE MIN. 5/8 IN. EMBEDMENT INTO WOOD BUCK.

#10 WOOD SCREW (WITH STRUCTURAL TWO BY WOOD BUCK OR ONE BY WOOD BUCK/STRUCTURAL BUILD-UP):

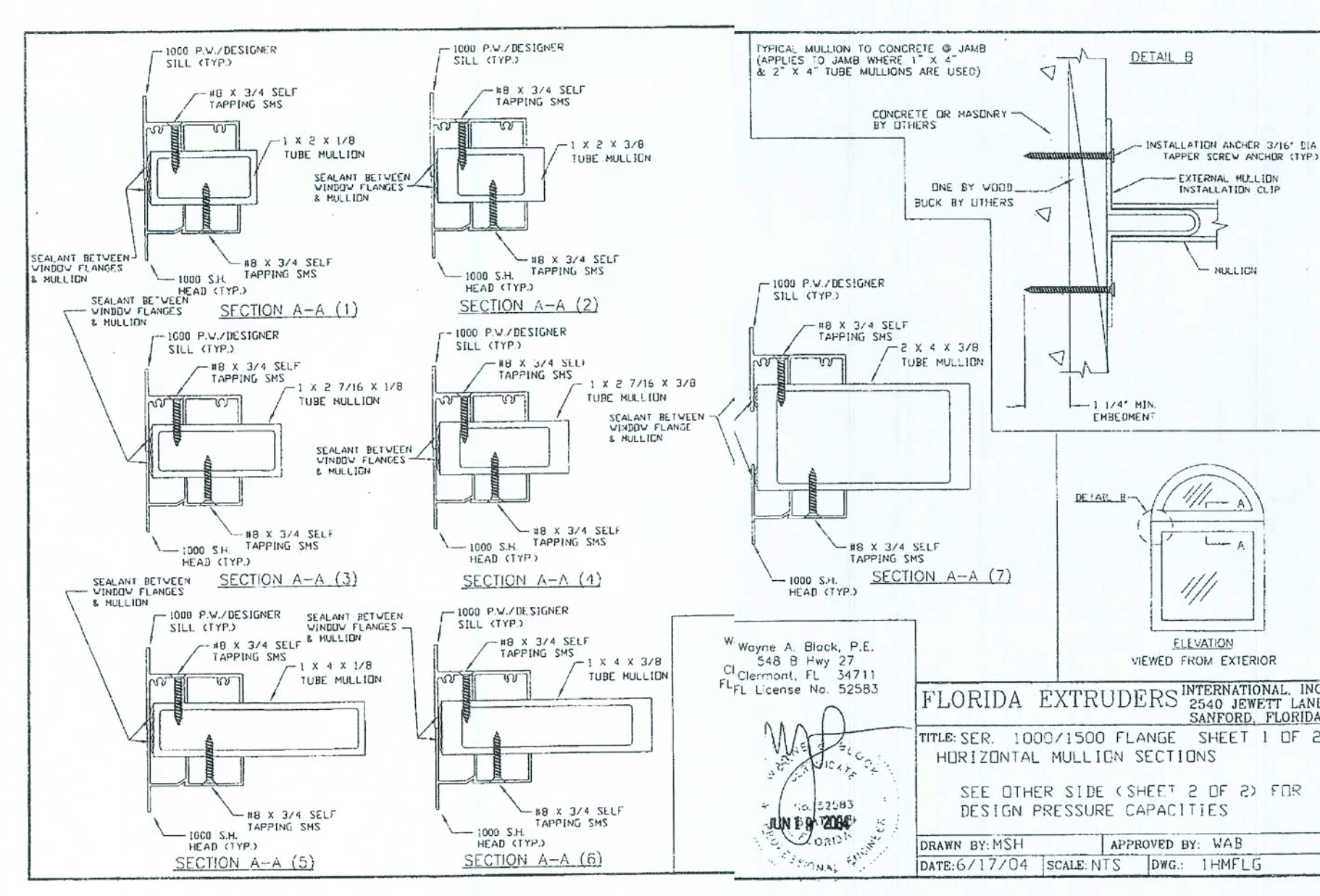
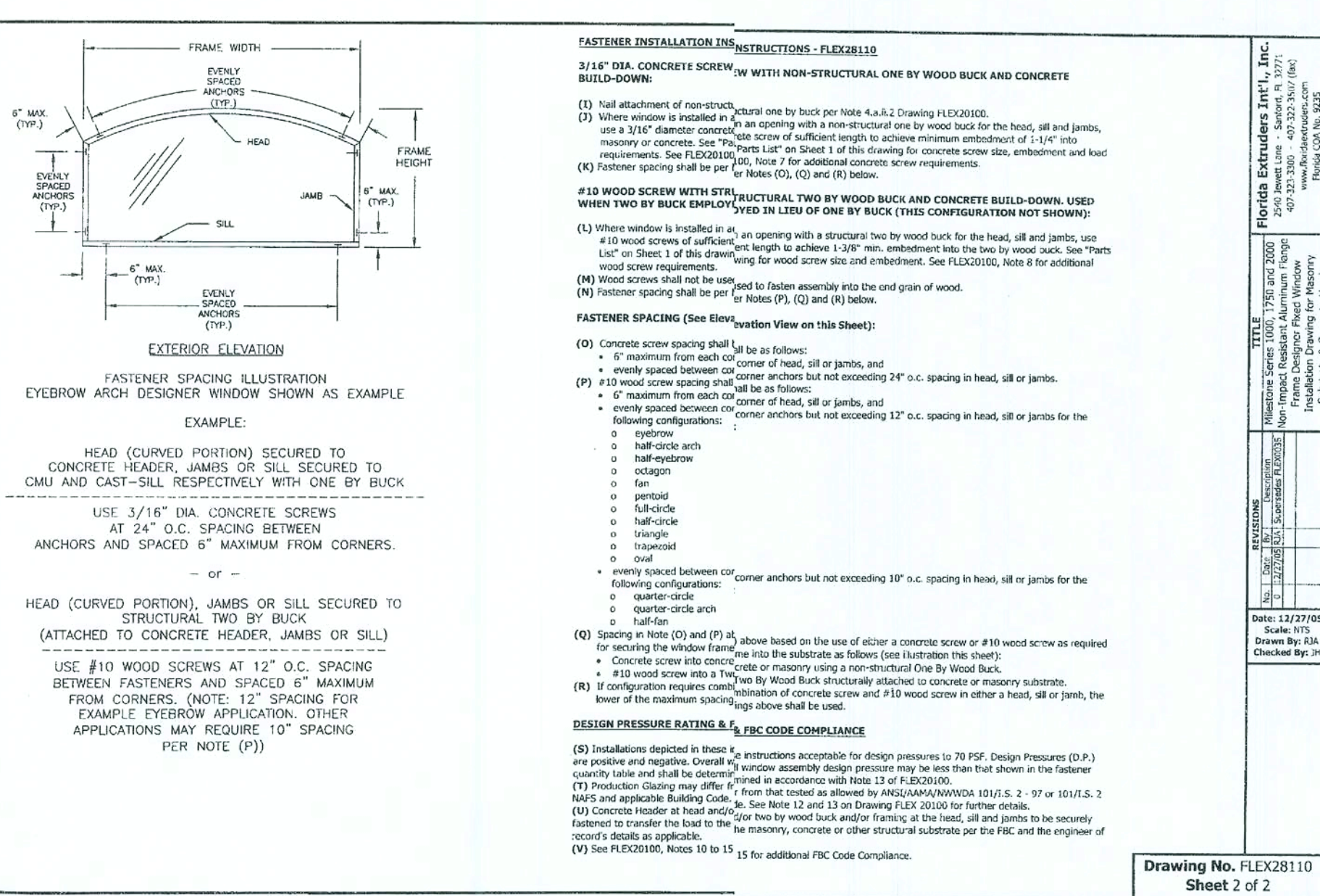
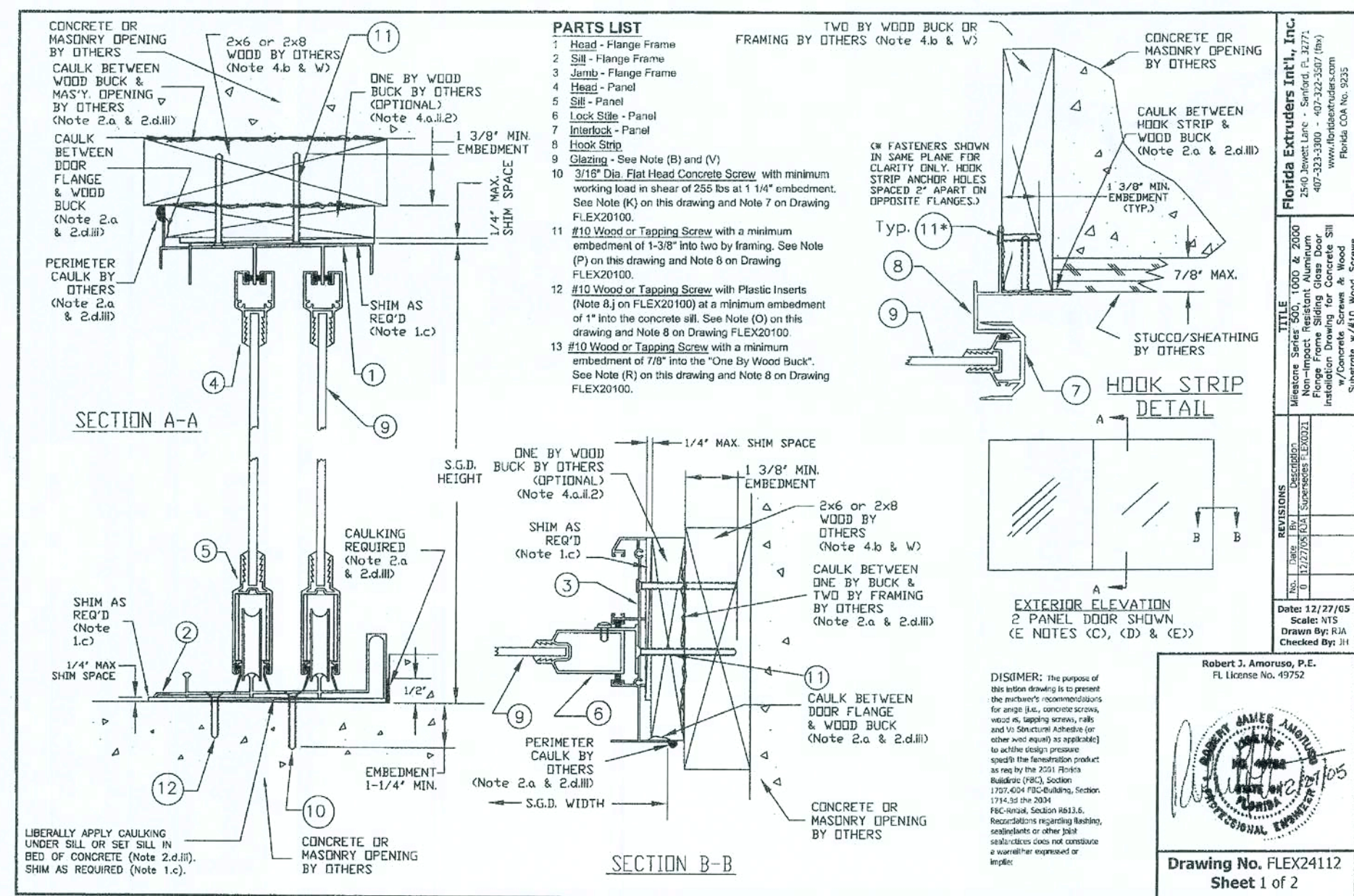
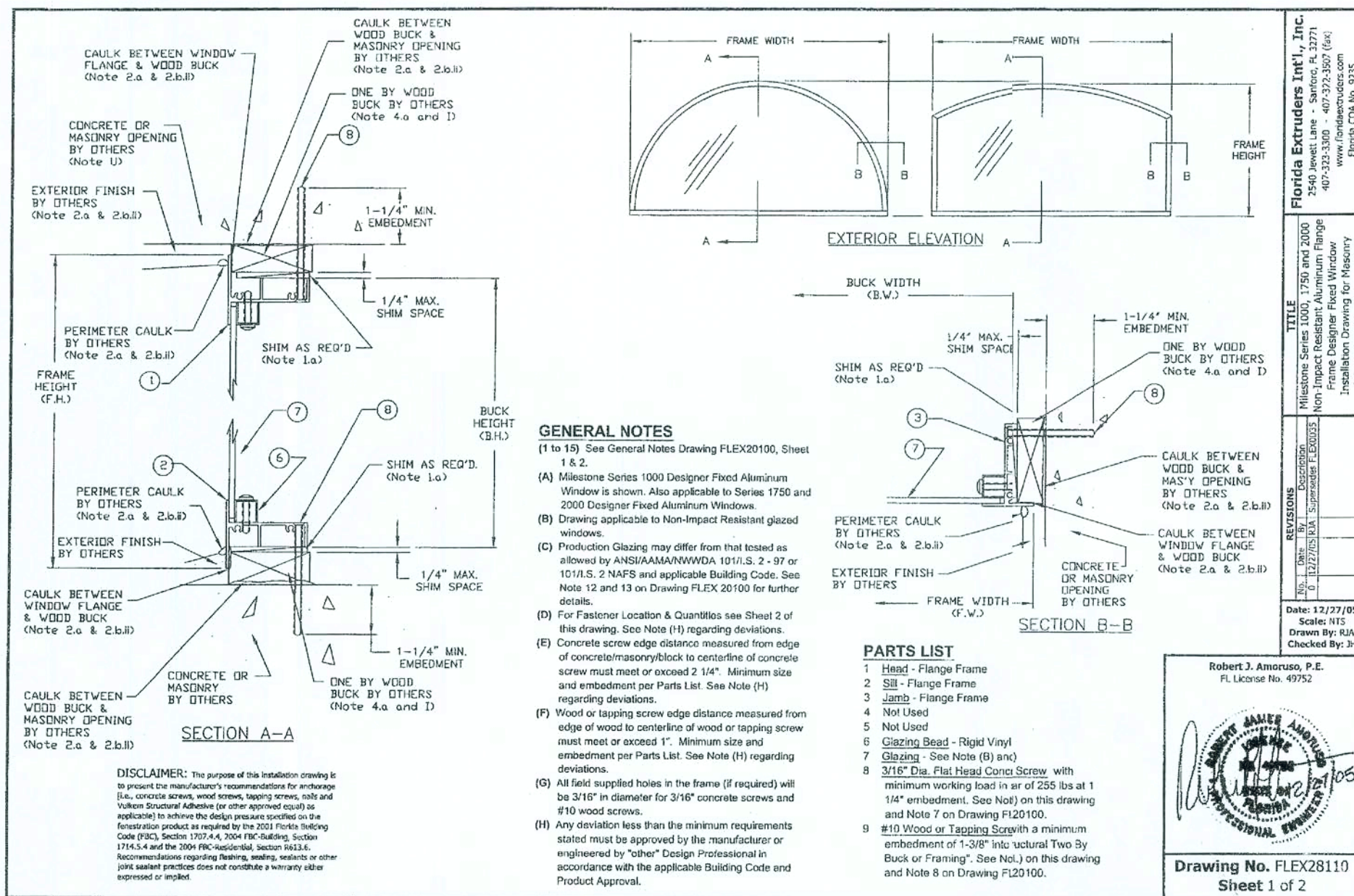
- WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A STRUCTURAL BUILD-UP, #10 WOOD SCREW OR BY WOOD BUCK/STRUCTURAL BUILD-UP, AND #10 WOOD SCREWS (ANSI B18.6.1) OF SUFFICIENT LENGTH TO ACHIEVE 3/8" MIN. EMBEDMENT INTO THE TWO BY WOOD BUCK OR THE STRUCTURAL BUILD-UP FRAMING COMPONENT.
- SEE SHEET 2 FOR INSTALLATION ANCHOR LOCATION CHART. LETTER DESIGNATIONS ON THE LOCATION CHART INDICATE WHERE #10 WOOD SCREWS ARE TO BE INSTALLED WHEN USING THE EXTERIOR ELEVATION AS A KEY. ALSO SEE "ANCHOR LOCATION CHART NOTES", NOTE 3, FOR WINDOW SIZES REQUIRING ADDITIONAL ANCHORS AND LOCATIONS.
- #10 WOOD SCREWS SHALL NOT BE USED TO FASTEN ASSEMBLY INTO THE END GRAIN OF WOOD.
- ALL REMAINING FACTORY APPLIED INSTALLATION FASTENER HOLES NOT USED FOR #10 WOOD SCREW INSTALLATION SHOULD BE FILLED WITH #8 WOOD SCREWS OF SUFFICIENT LTH. TO PROVIDE MIN. 5/8 IN. EMBEDMENT INTO WOOD BUCK.

DESIGN PRESSURE RATINGS & FBC REQUIREMENTS

- IF EXACT WINDOW SIZE IS NOT LISTED IN ANCHOR LOCATION CHART, USE ANCHOR QUALITY LISTED FOR NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE REQ'D.
- INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES TO 70 PSF FOR THE WINDOW SIZES SHOWN IN THE CHART. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
- GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1306 GLASS CHARTS.
- COMPLIES WITH CHAPTER 17 SECTIONS 1707.4.4.1 FOR ANCHORING REQUIREMENTS, 1707.4.4.2 FOR MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATES AND 1707.4.4.3 FOR WOOD OR APPROVED FRAMING MEMBERS, MARCH 1, 2002.
- STRUCTURAL BUILD-UP AT THE HEAD TO BE DESIGN TO TRANSFER THE LOAD TO THE MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE PER FBC, SECTION 1707.4.4.2 OR TO THE WOOD OR

ELEVATION
VIEWED FROM EXTERIOR

31 MAR 2006	13:32:09	65V71166_0606v24-155241mm
RELEASE DATE:		
WINDOWS IN BLOCK		
FLORIDA EXTRUDERS		



FLORIDA EXTRUDERS
WINDOWS IN BLOCK

Maronda Homes

4005 MARONDA WAY SANFORD, FLORIDA 32771
(407) 321-0064

REVISIONS:

DATE: 6/17/04

SCALE: NTS

DWG: 1HMLG

SHEET: 2 of 3

General Notes Drawing for Milestone Series 1000, 1500, 2000 and 3000 Non-Impact Resistant Aluminum Window and Patio Sliding Glass Door Installation Details

These notes are provided to ensure proper installation of Florida Extruders Milestone Non-Impact Resistant Aluminum Fenestration Products and must be followed fully. This General Notes drawing shall be used in tandem with the product specific installation drawing.

A) General Assembly Installation Instructions

1) SKIMMING:

- FLANGE FRAME WINDOWS - Shim as required at each installation fastener with load bearing shim. The maximum allowable shim stack to be 1/4".
- FIN FRAME WINDOWS - Shim as required at each installation fastener with load bearing shim. The maximum allowable shim stack to be 1/4". Apply a bead of Vulkem 116 adhesive sealant or approved equal at the fastener location prior to inserting the shim to adhere the shim to the substrate and/or window frame. Full bearing between the shim, substrate and window frame are required.
- SLIDING GLASS DOORS - Shim as required at each installation fastener with load bearing shim. The maximum allowable shim stack to be 1/4". Load bearing shim at sill must be pressure treated wood or plastic and must be completely encapsulated in sealant or set in wet concrete.

2) SEALING BETWEEN FENESTRATION PRODUCT AND SUBSTRATE & SILL SEAM SEALANT (See Disclaimer Statement above)

- GENERAL - SEALANT TYPE (not applicable when a specific brand or type is required)
 - Sealant type shall be chosen based on the substrate material and environmental conditions and intended use.
- WINDOWS - FLANGE FRAME
 - Adhesive Seal - NOT REQUIRED
 - Use Vulkem 116 adhesive sealant or approved equal between window's integral mounting fin and pre-cast concrete sill (or other sill construction) along full length of sill.
 - Application of Vulkem 116 adhesive sealant or approved equal must comply with sealant manufacturer's recommendations.
- Sealant - RECOMMENDED (See Disclaimer)
 - Use sealant behind window flange at head and jambs.
 - Use sealant for perimeter seal around exterior of flange window mounting fin and to seal heads of installation fasteners.
- WINDOWS - FIN FRAME
 - Adhesive Seal - NOT REQUIRED
 - Sealant - RECOMMENDED (See Disclaimer)
 - Use sealant behind window flange at head, sill and jambs.
 - Use sealant for perimeter seal around exterior of flange window mounting fin and to seal heads of installation fasteners.
- SLIDING GLASS DOORS
 - Adhesive Seal - NOT REQUIRED
 - Mechanically Fastened Corners - REQUIRED
 - Sliding Glass Doors received in "Knock-Down" condition shall have jamb and sill corners sealed with a small joint seam sealant.
 - Sealant - RECOMMENDED (See Disclaimer)
 - Use sealant behind door flange at head & jambs and behind hook strip.
 - Use sealant behind window flange at head and jambs.
 - Use sealant for perimeter seal around exterior of door and between hook strip & back for pocket doors and to seal needs of installation fasteners.

3) MATERIALS:

- Window and sliding glass door frame materials is Aluminum Alloy 6063 T6.
- Concrete Screws shall meet the minimum requirements of Note 7.
- Wood Screws shall meet the requirements of Note 8.
- Tapping (i.e., Sheet Metal) Screws when used in lieu of Wood Screws shall meet the requirements of Note 8.
- Nails shall meet the requirements of Note 9.
- Corrosive Resistance Coatings for installation fasteners shall meet the requirements of Note 5.
- Concrete block or concrete masonry units (CMU) shall meet the requirements of ASTM C90.
- Concrete shall meet the minimum requirements of the Florida Building Code (minimum compressive strength of 2500 psi).

4) BUCKING:

- One by (1x) wood bucking:
 - Applies to all non-structural bucks less than 1 1/2" thickness. Not intended to limit to nominal one by wood buck only.
 - One by wood bucking shall be secured to the substrate (masonry, concrete or structural wood bucking or framing using fasteners suitable to the application).
 - If the product specific installation drawing does not prescribe fastening requirements for the bucking, they shall be followed.
 - If the product specific installation drawing does not prescribe fastening requirements for the bucking, fasteners must only be sufficient to maintain position of the bucking during window installation.
 - Installer, builder or design professional of record may specify method to secure one by wood bucking to substrate to facilitate window installation.
- Two by (2x) wood bucking or framing:
 - Applies to all structural wood bucks and/or framing at the head, jamb or sill equal to and greater than 1 1/2" thickness.
 - They shall be securely fastened to transfer the load to the masonry, concrete or other structural substrate per 2001 FBC, Section 1707.4.4, 2004 FBC Building, Section 1717.5.4 and 2004 FBC-Residential, Section R613.6 or and/or the engineer of record's details as applicable.

B) General Fastener Installation Instructions

- All installation fasteners must be made of corrosion resistant materials or have a corrosion resistant coating applied suitable for the environment and/or framing material. Where fasteners are used in pressure-preservative treated wood, the wood supplier shall be consulted for recommendation of fasteners compatible with the pressure-preservative treatment process used.
- All field supplied holes in the frame (if required) will be as follows:
 - 5/32" diameter for all #6 wood or tapping screws.
 - 3/16" diameter for all #10 wood or tapping screws and 3/16" diameter concrete screws.
 - No. 29 size drill bit for 0.131" shank diameter nails.
 - No. 33 size drill bit for 0.113" shank diameter nails.
- Concrete Screws (For attachment to masonry or concrete substrate):
 - Shall be "Flat" head unless otherwise indicated.
 - Shall have a minimum nominal diameter of 3/16" unless otherwise noted.
 - Shall have a minimum embedment of 1 1/4" into the concrete, masonry or concrete block or masonry unit (CMU) receiving the point unless otherwise noted.
 - Shall have an allowable working load in shear as noted on the "Parts List" on the product specific installation drawing.
 - Working load is defined as the ultimate load determined by test divided by 4 as determined and published by the concrete screw's manufacturer.
 - If the allowable shear load exceeds the above minimum, required number of fasteners shown on the installation drawings CANNOT be decreased.
 - If the allowable shear load is less than the above minimum, an additional site engineering analysis meeting the building code and acceptable to the Authority Having Jurisdiction (AHJ) WILL be required.
 - Concrete screws shall be of sufficient length so that the minimum embedment into the receiving substrate (member receiving the point) is met.
 - Minimum Edge Distance of concrete screw fasteners shall be 2 1/4" from the edge of the substrate for a 3/16" diameter concrete screw.

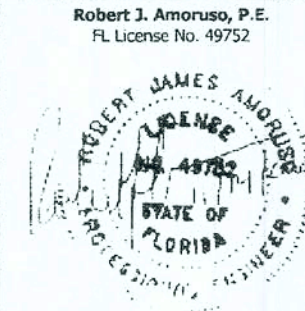
DISCLAIMER

The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage [i.e., concrete screws, wood screws, tapping screws, nails and Vulkem Structural Adhesive (or other approved equal)] to achieve the design pressure specified on the fenestration product as required by the 2001 Florida Building Code (FBC), Section 1707.4.4, 2004 FBC-Building, Section 1714.5.4 and the 2004 FBC-Residential, Section R613.6. Recommendations regarding flashing, sealing, sealants or other joint sealant practices does not constitute a warranty either expressed or implied.

NOTE ON PE SEALING

Original drawings with two sheets (pages) are reproduced on one sheet front and back. When reproduced this way, they are sealed on the first (front) sheet only. In response to Robert Amoroso's inquiry to the Florida Board of Professional Engineers, the FBPE at their meeting on June 20, 2002 responded that in such circumstances, it is acceptable for the sealing PE to only sign, date and seal the front sheet of the drawing when printed on the front and back. This was documented by letter to Robert Amoroso dated July 31, 2002 from the Office of the Attorney General, State of Florida.

Robert J. Amoroso, P.E.
FL License No. 49752



Drawing No. FLEX20100
Sheet 1 of 2

FASTENER LOCATION TABLE (see Elevation View, Sheet 1)

Series	Size Code	Frame Width and Height		Fastener Screw Location	
		Width	Height (Full Radius)	Head (No. 10 WS)	Jambs (No. 10 WS or Concrete Screw)
1000/1500/2000	12	19 1/8	26 1/2	28 5/16	A, B, C, D, E, F, G, H, I
1000/1500/2000	13	19 1/8	28 3/16	30 5/16	A, B, C, D, E, F, G, H, I
1000/1500/2000	14	19 1/8	31 1/16	32 5/16	A, B, C, D, E, F, G, H, I
1000/1500/2000	15	19 1/8	34 1/16	35 5/16	A, B, C, D, E, F, G, H, I
1000/1500/2000	16	19 1/8	37 1/16	38 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	17	19 1/8	40 1/16	41 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	18	19 1/8	43 1/16	44 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	19	19 1/8	46 1/16	47 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	20	19 1/8	49 1/16	50 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	21	19 1/8	52 1/16	53 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	22	19 1/8	55 1/16	56 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	23	19 1/8	58 1/16	59 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	24	19 1/8	61 1/16	62 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	25	19 1/8	64 1/16	65 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	26	19 1/8	67 1/16	68 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	27	19 1/8	70 1/16	71 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	28	19 1/8	73 1/16	74 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	29	19 1/8	76 1/16	77 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	30	19 1/8	79 1/16	80 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	31	19 1/8	82 1/16	83 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	32	19 1/8	85 1/16	86 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	33	19 1/8	88 1/16	89 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	34	19 1/8	91 1/16	92 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	35	19 1/8	94 1/16	95 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	36	19 1/8	97 1/16	98 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	37	19 1/8	100 1/16	101 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	38	19 1/8	103 1/16	104 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	39	19 1/8	106 1/16	107 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	40	19 1/8	109 1/16	110 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	41	19 1/8	112 1/16	113 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	42	19 1/8	115 1/16	116 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	43	19 1/8	118 1/16	119 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	44	19 1/8	121 1/16	122 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	45	19 1/8	124 1/16	125 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	46	19 1/8	127 1/16	128 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	47	19 1/8	130 1/16	131 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	48	19 1/8	133 1/16	134 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	49	19 1/8	136 1/16	137 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	50	19 1/8	139 1/16	140 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	51	19 1/8	142 1/16	143 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	52	19 1/8	145 1/16	146 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	53	19 1/8	148 1/16	149 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	54	19 1/8	151 1/16	152 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	55	19 1/8	154 1/16	155 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	56	19 1/8	157 1/16	158 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	57	19 1/8	160 1/16	161 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	58	19 1/8	163 1/16	164 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	59	19 1/8	166 1/16	167 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	60	19 1/8	169 1/16	170 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	61	19 1/8	172 1/16	173 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	62	19 1/8	175 1/16	176 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	63	19 1/8	178 1/16	179 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	64	19 1/8	181 1/16	182 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	65	19 1/8	184 1/16	185 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	66	19 1/8	187 1/16	188 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	67	19 1/8	190 1/16	189 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	68	19 1/8	193 1/16	192 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	69	19 1/8	196 1/16	195 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	70	19 1/8	199 1/16	198 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	71	19 1/8	202 1/16	201 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	72	19 1/8	205 1/16	204 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	73	19 1/8	208 1/16	207 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	74	19 1/8	211 1/16	210 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	75	19 1/8	214 1/16	213 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	76	19 1/8	217 1/16	216 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	77	19 1/8	220 1/16	219 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	78	19 1/8	223 1/16	222 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	79	19 1/8	226 1/16	225 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	80	19 1/8	229 1/16	228 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	81	19 1/8	232 1/16	231 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	82	19 1/8	235 1/16	234 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	83	19 1/8	238 1/16	237 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	84	19 1/8	241 1/16	240 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	85	19 1/8	244 1/16	243 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	86	19 1/8	247 1/16	246 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	87	19 1/8	250 1/16	249 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	88	19 1/8	253 1/16	252 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	89	19 1/8	256 1/16	255 5/16	A, B, C, D, E, F, G, H, I, J, K
1000/1500/2000	90	19 1/8	259 1/16	258 5/16	A, B, C, D, E, F, G, H, I, J, K

FASTENER INSTALLATION INSTRUCTIONS - FLEX22110

3/16" DIA. CONCRETE SCREW WITH NON-STRUCTURAL ONE BY WOOD BUCK:

(I) Where window is installed in an opening with a non-structural one by wood buck for the jambs and masonry or concrete sill, installation is as follows:

- At the jambs, use a 3/16" diameter concrete screw of sufficient length to achieve minimum embedment of 1-1/4" into masonry or concrete. See "Parts List" on Sheet 1 of this drawing for concrete screw size, embedment and load requirements. See FLEX20100, Note 7 for additional concrete screw requirements.
- At the sill, apply a Structural Adhesive Sealant for the full sill length of the sill meeting the requirements of Note 2.b.i on FLEX 20100.

(J) See fastener installation table on this sheet for concrete screw locations in jambs and additional installation requirements.

#10 WOOD SCREW WITH (1) STRUCTURAL BUILD-DOWN FOR RADIUS HEAD, (2) OPTIONAL STRUCTURAL TWO BY WOOD BUCK AND (3) OPTIONAL ONE BY WOOD BUCK AT HEAD AND/OR JAMBS (SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION FOR HEAD, SIMILAR FOR SECTION B-B AT JAMB):

(K) Where window is installed in an opening with a (1) structural build-down for radius head, (2) optional structural two by wood buck and (3) optional one by wood buck at head and/or jambs, installation is as follows:

- For structural build-down at the head and/or two by wood buck at the head and/or jambs as applicable, use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck and/or structural build-down. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
- For one by wood buck used in conjunction with a structural two by wood buck at the head and/or jambs as applicable use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
- At the sill, apply a Structural Adhesive Sealant for the full sill length of the sill meeting the requirements of Note 2.b.i on FLEX 20100.

(L) If a two by and one by wood buck are used together (see Section A-A Alternate, similar for Section B-B), then #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck will be used and the one by wood buck will be secured to the two by wood buck as required in Note 4.a.ii.2 on drawing FLEX20100.

(M) #10 wood screws shall be installed at all factory applied installation fastener hole locations where applicable.

(N) Wood screws shall not be used to fasten assembly into the end grain of wood.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(O) If exact window size is not listed in fastener installation table, use fastener locations listed for next larger size.

(P) Installations depicted in these instructions acceptable for design pressures to 70 PSF for the window sizes shown in the chart. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than that shown in the fastener quantity table and shall be determined in accordance with Note 13 of FLEX20100.

(Q) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWDA 101/I.S. 2, 101/I.S. 2/NAFS or AAMA/WDMA/CSA 101/I.S. 2/A440 and applicable Building Code. See Note 12 and 13 or on Drawing FLEX 20100 for further details.

(R) Structural build-down at head, two by wood buck and/or framing at the head and jambs to be securely fastened to transfer the load to the masonry, concrete or other structural substrate per the FBC and the engineer of record's details as applicable.

(S) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

FASTENER LOCATION TABLE NOTES:

- This chart and Notes I, J, K, L, M and N for use when Radius Head Flange Window is installed in opening with the following attributes:
 - Wood Structural Build-Down at Head, and
 - Masonry/Concrete Substrate and One-By Wood Buck at Jambs.
- Install Radius Head Flange Window using #10 Wood Screws with a 1-3/8" minimum embedment into the structural wood substrate in accordance with Notes K to N in an opening with the following attributes:
 - Wood Structural Build-Down at Head,
 - Optional Structural Two By Buck is installed at the head or jambs, and
 - Optional One By Wood Buck is installed at the head or jambs.
- See Note R regarding structural framing requirements.
- See Sheet 1 for Fastener Location Diagrams.
- Fasteners Y & Z applicable to Series 2000 Size 37 Only. 3/16" Hole must be drilled in field.

Drawing No. FLEX22110
Sheet 2 of 2

SHEET:

3 of 3

FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE:

2/17/06 13:52:09

PRODUCT APPROVAL INFORMATION SHEET DR FLORDIA

PROJECT NAME: _____ PERMIT # _____

PROJECT ADDRESS: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9b-72, Please provide information and product approval number(s) for the building components listed below as applicable to the building construction project for permit number listed above. You should contact your product supplier if you do not know the product approval number for any of the applicable listed products. Information regarding statewide product approval may be obtained at: www.floridabuilding.org.

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
A. EXTERIOR DOORS					
1. Sliding	Plastpro Inc.	Fiberglass Doors	Evaluated for use locations adhering to the Florida Building Code and where pressure requirements as outlined by ACSE 7 Minimum design Loads For Building and their Structures.	FL 6729J FL 6729.5	+ 50 / -50 + 50 / -50
2. Sliding	Simonton/Noradex Florida Extruders	Sliding Glass Doors	500 72X86GD-R45 Milestone 100 SGD	FL 5979J FL 45J	+ 50 / -50 +45 / -45
3. Sectional	Wayne Dalton	Garage Doors 130 16' 9100 / 5120 8'	As Indicated evaluation report and installation drawings. Not be used In HZ.	FL 5287J	+26.9 / -30.8
4. Roll up		Garage Doors 140 16' 9100 / 5120 8'		FL 5287.3 FL 9174.4 FL 9174.5	+25.9 / -28.8 +43.2 / -49.6 +39.2 / -43.7
B. WINDOWS					
1. Single Hung	H-R Windows Danwid Window Co Florida Extruders	300 Fin Single Hung 341 Flange Frame S.H. Milestone 1000 S.H.	40-17 72x1 H-r45	FL5089J FL 2752J FL 42J	+45 / -45 +55 / -55 +45 / -45
2. Horizontal Slider					
3. Casement					
4. Double hung					
5. Fixed	H-R Windows Danwid Window Co Florida Extruders	300 Fin Frame Fixed 341 Flange Frame Fixed Milestone 1000 Fixed	437.438 111X6.F-C60 3/16 Tempered Glass Flange & Fin	FL 1291.2 FL 2349J FL 44J	+55 / -55 +70 / -70 +45 / -45
6. Awning					
7. Pass-through					
8. Projected					
9. Mullion	H-R Windows Florida Extruders	Mullions Milestone Tube Mull Fin Or Flange	Evaluated for use locations adhering to the Florida Building Code and where pressure requirements as outlined by ACSE 7 Minimum design Loads for Building and their Structures.	FL 5782 FL 3136-R2	+45 / -45
10. Wind breaker					
11. Dual action					
12. Other					
C. PANEL WALL					
1. Sliding	Owens Corning	Noradex - Summit Manor Dbl 4.5 Butch Lap Reynolds - Easy Street Dbl 4.5 Dutch Lap	This Evaluation is not for use within the IC HVHZ, or an Education Fillet within the State of Florida. Vinyl Sliding is limited to Type V construction, as defined below. Section 602.5-PE V CONSTRUCTION type V construction, the type of construction in which the structural elements, exterior walls and interior walls are of and material permitted by this code. Compliance is valid only if the subject profile name is current on the V Vinyl Sliding Certification Program.	FL 920.3 FL 920.7	+NA / -152 +NA / -152
2. Soffit	Alasco Metal Corp	16" Vented Soffit Quad 4 Aluminum Soffit	For use as soffit only. Not for use In HVZ	FL 4459J	46.71 PSF

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
D. ROOFING PRODUCTS					
1. Asphalt shingles	Owens Corning	Asphalt Shingle Ridge Vents	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed.	FL 366.3 FL 234	
2. Underlayments					
3. Roofing fasteners					
4. Nonstructural metal roof					
5. Built-up roofing					
6. Modified bitumen	Polyglass	Two layer torch down	The max design pressure the selected assembly shall meet or exceed the Zone I design pressure determined in accordance with FBC chapter 16.	FL 1654.8 FL 1654.9	
7. Single ply roofing					
8. Roofing tiles					
9. Roofing insulation					
10. Waterproofing					
11. Wood shingles/shakes					
12. Roofing slate					
13. Liquid applied roofing					
14. Cement-adhesive coats					
15. roof tile adhesive					
16. Spray applied polyurethane roof					
17. roof vents	Owens Corning Stamco Inc. Lamanco	Galvanized metal roof vents	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed.	FL 5289J FL 810.3J FL 3792.5	
E. SHUTTERS					
1. Storm Panels	Atrium Shutters, Inc. K&D Manufacturing All American Shutters, Inc.	5L Panel Galv. Stl Storm	This product may only be installed on concrete, hollow concrete block or wood substrates. This product is NOT suitable for installation in the High Velocity Hurricane Zone.	FL 5547J FL 277.3J FL 393J	50 PSF +47 / -50
F. STRUCTURAL COMPONENTS					
1. Wood connector/anchor	United Steel Products	Anchors, Hangers Etc. Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NIA 05-0105-5.05	FL R1, 565, 569, 572, 576, 815, 816, 817, 818, 819, 820, 821, 822, 859, 1247, 1777, 2033, 2620, 3923, 4928, 5631, 6223	
2. Truss plates	Mitek Industries Inc.	Truss Connectors	No Limitation of Use.	FL 2197 RI	
3. Engineered lumber					
4. Railing					
5. Coolers-freezers					
6. Concrete admixtures					
7. Material					
8. Insulation forms					
9. Plastics					
10. Deck-roof					
11. Wall					
12. Sheds					
G. SKYLIGHTS					
1. Skylight					
2. Other					
H. NEW EXTERIOR ENVELOPE PRODUCTS					
1.					
2.					

In addition to completing the above list of manufacturers, product description and State approval number for the products used on this project, it is the Contractor's or Authorized Agent's responsibility to have a legible copy of each manufacturer's printed instructions, along with the list above, on the job site available to the Inspector.

The products listed below did not demonstrate product approval at time of plan review. I understand that before these products can be inspected, they must be submitted for review for code compliance and approved by the Plans Examiner. This form will be revised to include each new product in the categories listed above and will be highlighted to indicate the new products and required information.

Authorized Project Agent: _____ (Contractor or Design Professional) (Print Name) (Signature)

Company Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

Telephone Number: () _____ Fax Number: () _____

Cell Phone Number: () _____ E-mail Address: _____

REVISIONS:
10-29-07 UPDATE LISTS
01-21-08 UPDATE ROLL UP DOORS



PRODUCT APPROVAL

GARAGE:

DRAWN BY:

RELEASE DATE:

08/31/03

SHEET:

PLOT DATE: 21 JAN 2008

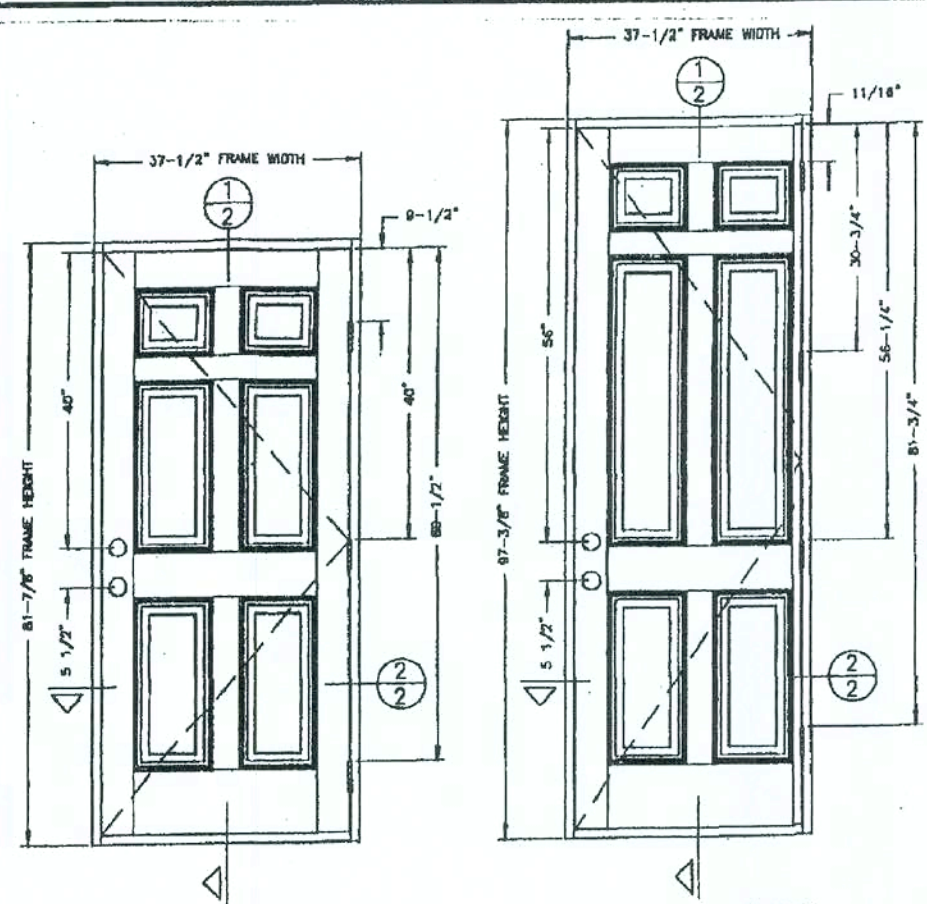
SMC INSWING RESIDENTIAL INSULATED
FIBERGLASS DOOR IN WOOD FRAME

1. THE FOLLOWING PRODUCT HAS BEEN EVALUATED FOR COMPLIANCE WITH WIND LOADS SPECIFIED IN SECTION 120 OF THE TEXAS DEPARTMENT OF INSURANCE WINDSTORM RESISTANT CONSTRUCTION GUIDE AND SECTION 103 OF THE TEXAS DEPARTMENT OF INSURANCE WINDSTORM RESISTANT CONSTRUCTION GUIDE.
2. WOOD BUCKS BY OTHERS, SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND NAIL DRESSING OR STUCCO.
4. PRODUCT DOES NOT MEET IMPACT RESISTANCE.
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
 - FOR 8' 0" HIGH DOORS: SEE TABLE 1.
 - FOR FRAMES OVER 6' 8" UP TO 8' 0": SEE TABLE 2.

DOOR LEAF CONSTRUCTION:

FACE SHEETS:	EACH SLAB IS CONSTRUCTED FROM 0.080" THICK FIBERGLASS SKIN.
CORE DESIGN:	THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.
CONSTRUCTION:	THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS.THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.

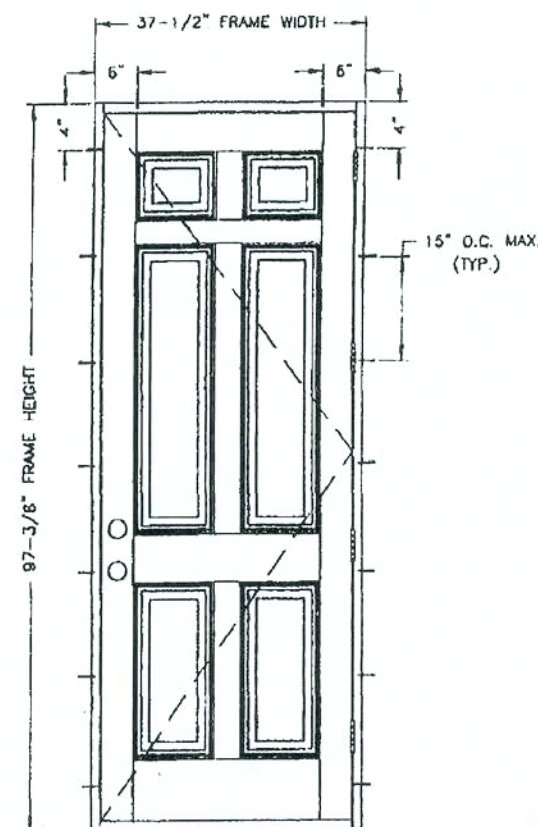
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	GENERAL NOTES, TYPICAL ELEVATIONS
2	CROSS SECTIONS (VERTICAL AND HORIZONTAL)
3	ANCHORING LAYOUT
4	PART LIST



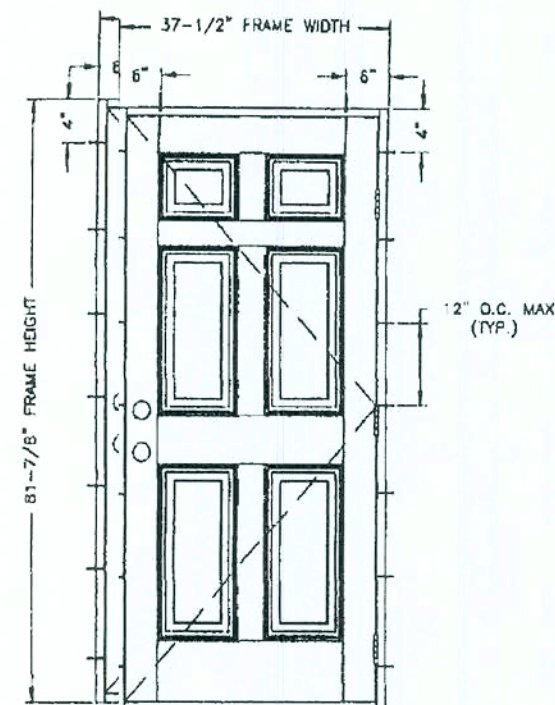
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED	+80 PSF
NEGATIVE	NOT APPROVED	-80 PSF

	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE EX INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED	3 PSF
NEGATIVE	NOT APPROVED	4 PSF

 PLASTIPRO, INC. 9 PEACH TREE HILL RD LAMINGTON, N.J. 07039	
DISTINCTION SERIES SMC INSULATING FIBERGLASS SHEET ROOFING BOARD	
PART OR ASSEMBLY	
GENERAL NOTES AND ELEVATIONS	
PROJECT:	BY:
DATE:	NOT DATE:
NO. OF SHEETS	
 R&W CONSULTING (613) 664-3831	
DATED: 01/06/88 DRAWN BY: N.T.S. CHECKED BY: R.P.P. CONSULTING PRICE: 99-0-1	



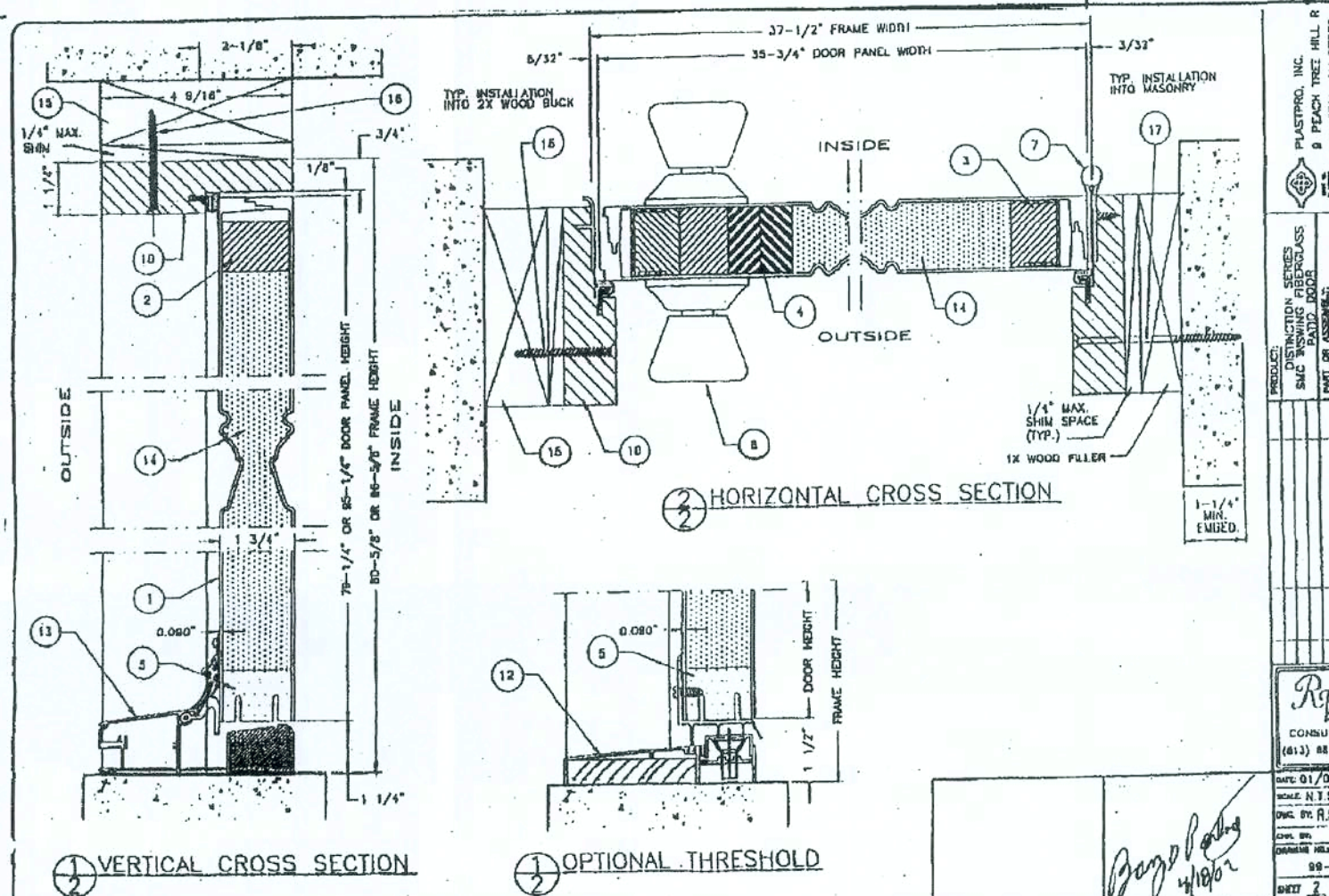
ANCHOR LAYOUT FOR B'-0" DOOR



Δ ANCHOR LAYOUT FOR 6'-8" DOOR

TYPICAL ANCHORS

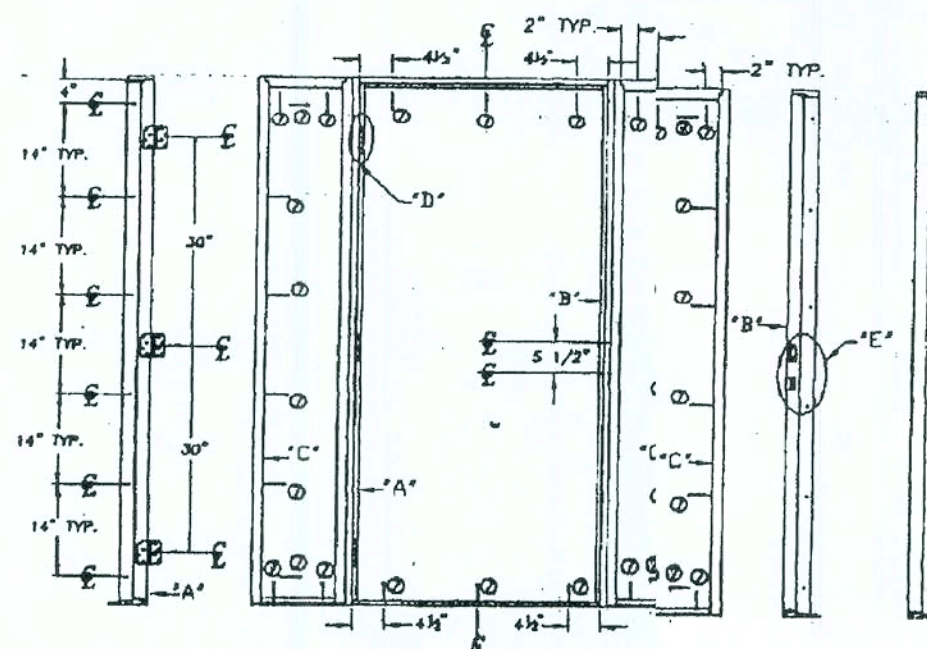
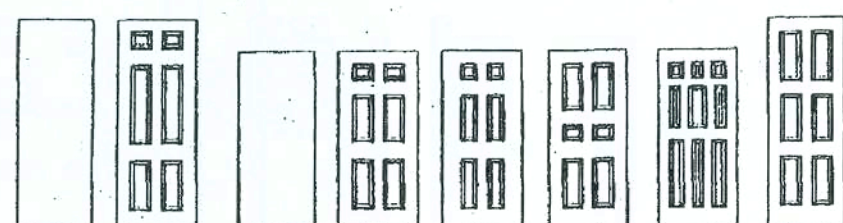
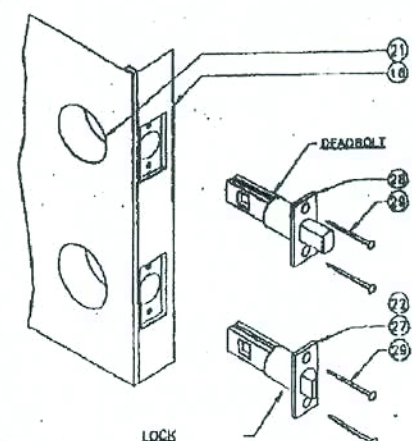
- 1.) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
#8 PFH Wd. Screw, 1" MIN. EMBEDMENT
- 2.) INTO 1BY WOOD BUCKS OR INTO MASONRY
3/16" DIA. TAPCONS WITH 1-1/4" MIN. EMBEDMENT

[illegible]

NOTE:
WHEN REQ. THE USE OF 2X SHALL BE
ALLOWED USING (1) EVENLY SPACED
 $\frac{1}{4}$ " X 3" TAPCONS IN THE SIDES, AND
(2) EVENLY SPACED $\frac{1}{4}$ " X 3" TAPCONS
IN THE HEADER ALL W/ $\frac{1}{4}$ " IMBEDMENT.
IF NEEDED A 1X CAN BE NAILED 6" O.C.
STAGGERED TO 2X. DOOR IS THEN
ATTACHED PER DETAILS ON THIS PAGE.

FINAL ANCHORING OF A WOOD FRAME UP TO 5'4" X 6'8"
SINGLE INSWING UNIT W/WO SIDELITES
PRODUCT ACCEPTANCE No.: DSJ222

SCREW SCHEDULE			
①	#10 X	5/8"	PHILLIPS FLAT HEAD
②	#10 X	3/4"	PHILLIPS FLAT HEAD
③	#10 X	2"	PHILLIPS FLAT HEAD
④	#10 X	3"	PHILLIPS FLAT HEAD

[illegible]

DOOR MODELS

 Ry CONSULT (813) 854-4111		DATE: 01/08 SCALE: 1/8" = 1'-0" DWG. BY: R.P. CHECKED BY:		PROJECT: EXISTING SERIES SAC ASHING FIBERGLASS PAINT DOOR UNIT OR ASSEMBLY:		PLASTPRO, INC. 9 PEACH TREE HILL RD. AUSTIN, TX 78748 512-336-1111	
--	--	--	--	--	--	---	--

Product Acceptance No: DSI-222

Size: up to 5'4" x 6'8"	Inswing (wood jamb)		Configuration:	
	2'0"	2'4"	2'6"	2'8"
Single Opaque	+80 -80	+80 -80	+80 -80	+80 -80
W/Sidelites				+80 -80
Single Glazed	+75 -80	+64 -77	+60 -71	+56 -67
W/Sidelites				+56 -67

(Door does not meet Missile Impact)

(Door does not meet Missile Impact)
Test # 210-1987, 210-2024

Mfg. by: Nan Ya Plastics / Plastopro Livingston, NJ 07039

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Maronda Homes

407} 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

**EXT. DOOR DETAILS
IN SWING-FIBERGLASS**

RELEASE DATE:

2-Vbc200V11e BlackSV8x24-generic1dan

09.03.53

5002 AMT 50

SHEET:

FDI

DISTINCTION SERIES

SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

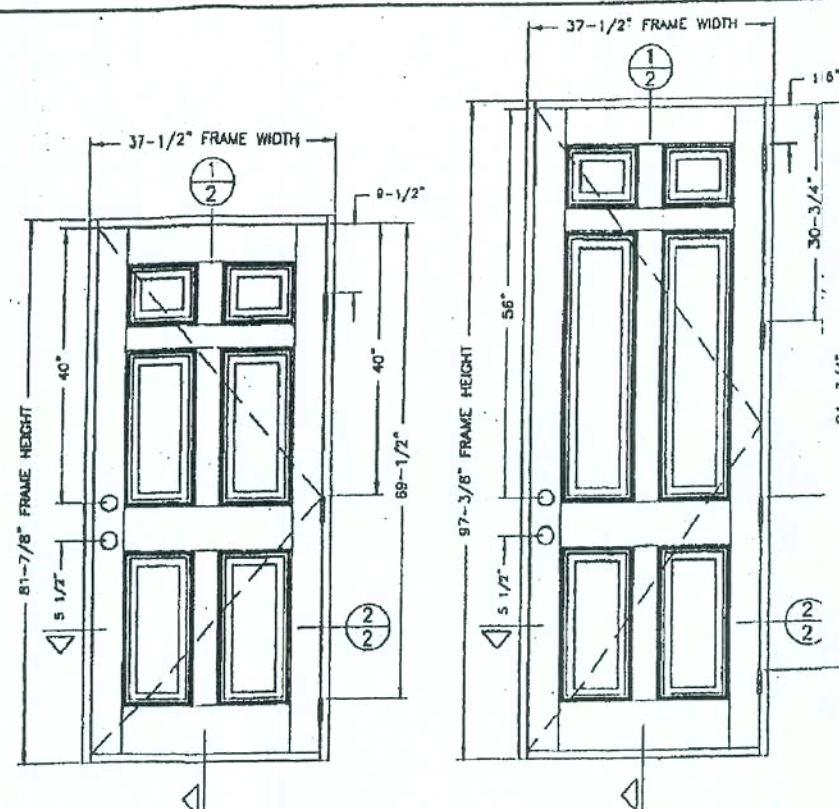
1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1984 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS NOT REQUIRED.
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
- FOR 6" 8" HIGH DOORS: SEE TABLE 1.
- FOR FRAMES OVER 6" 8" UP TO 8' 0": SEE TABLE 2.

DOOR LEAF CONSTRUCTION:

FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.075" THICK FIBERGLASS SKIN.
CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.
CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS. THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.

TABLE OF CONTENTS

SHEET #	DESCRIPTION
1	GENERAL NOTES, TYPICAL ELEVATIONS
2	CROSS SECTIONS (VERTICAL AND HORIZONTAL)
3	ANCHORING LAYOUT
4	PART LIST



TYPICAL ELEVATION 6'-0" DOOR

TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)

WIND WATER INFLUXION REQUIREMENT IS NEEDED	WIND WATER INFLUXION REQUIREMENT IS NOT NEEDED
POSITIVE +80 PSF	+80 PSF
NEGATIVE -80 PSF	-80 PSF

DESIGN PRESSURE RATING (TABLE #2)

WIND WATER INFLUXION REQUIREMENT IS NEEDED	WIND WATER INFLUXION REQUIREMENT IS NOT NEEDED
POSITIVE +80 PSF	+80 PSF
NEGATIVE -80 PSF	-80 PSF

CONSULTING (813) 884-3831
DATE: 01/08/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY: [Signature]
99-05
SHEET 1 OF 4

DISTINCTION SERIES

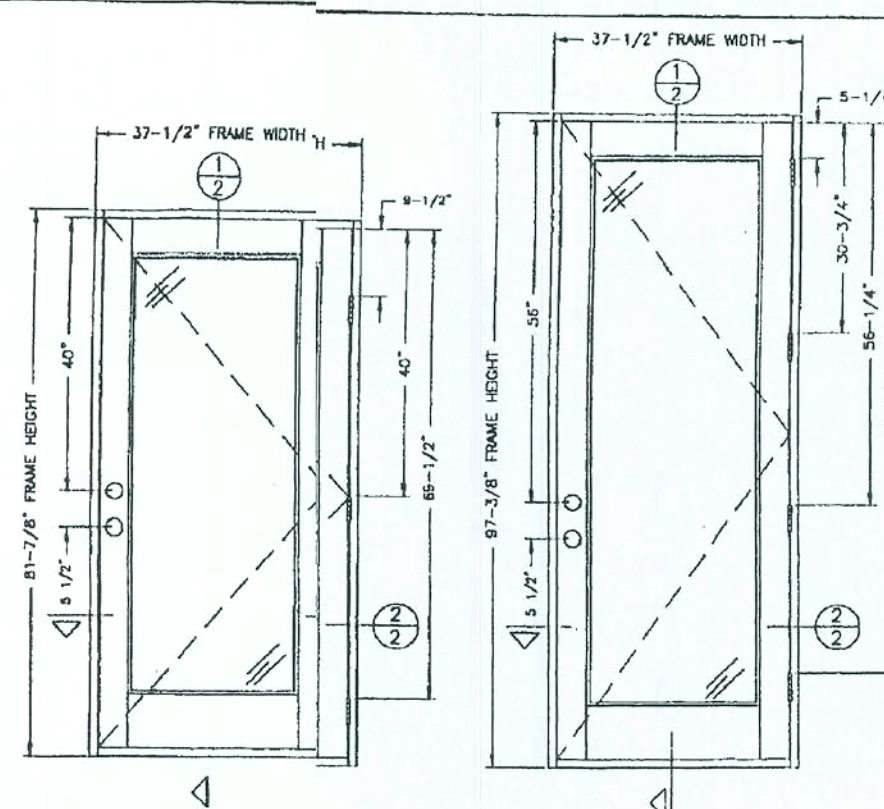
SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME (STEEL REINFORCED WITH FULL GLASS LITE)

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1984 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS ARE REQUIRED.
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
- FOR 6" 8" HIGH DOORS: SEE TABLE 1.
- FOR FRAMES OVER 6" 8" UP TO 8' 0": SEE TABLE 2.

DOOR LEAF CONSTRUCTION:

1. FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.075 THK. FIBERGLASS SKIN.
2. CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.
3. CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS. THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN, GLUED TO THE WOOD BUCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.
4. GLAZING: 5/8" OVERALL THICKNESS INSULATED GLASS PANEL CONSISTING OF TWO 1/8" TEMPERED LITES AND ONE AIR SPACE.
5. REINFORCING: ONE (1) "V" SHAPED STEEL REINFORCING CHANNEL, MEASURING 1.591" x 0.718" x 0.078" THK. WAS LOCATED AT EACH PANEL STILE. (6'-0" DOOR ONLY)



TYPICAL ELEVATION 6'-0" DOOR

TYPICAL ELEVATION 8'-0" DOOR

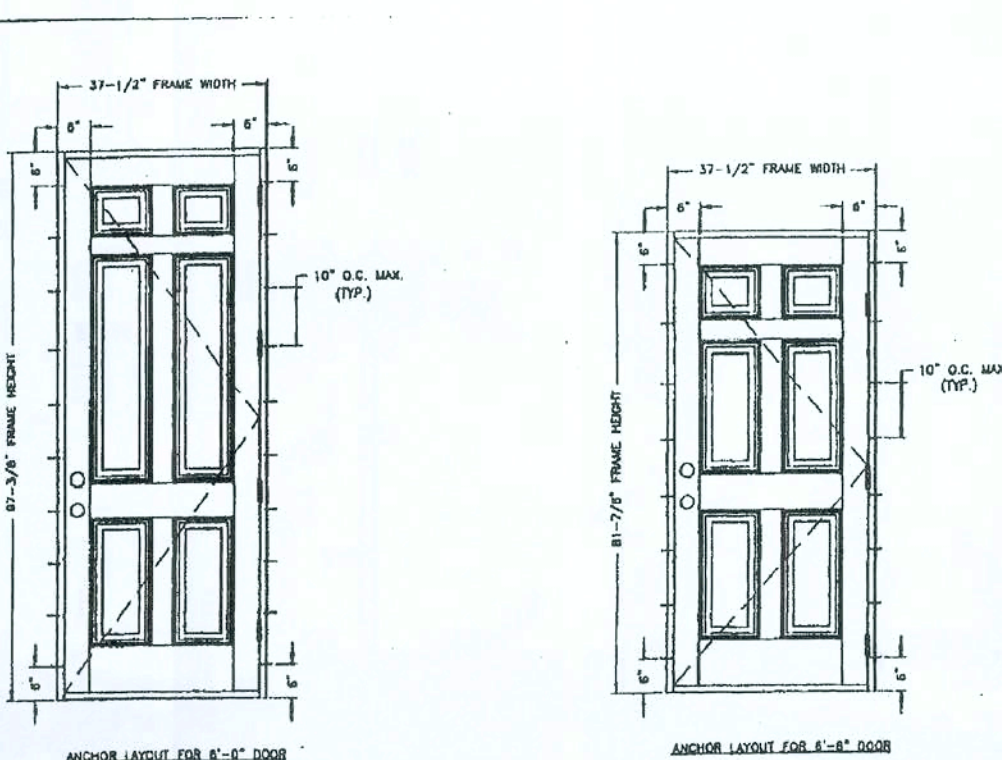
DESIGN PRESSURE RATING (TABLE #1)

WIND WATER INFLUXION REQUIREMENT IS NEEDED	WIND WATER INFLUXION REQUIREMENT IS NOT NEEDED
POSITIVE +80 PSF	+80 PSF
NEGATIVE -80 PSF	-80 PSF

DESIGN PRESSURE RATING (TABLE #2)

WIND WATER INFLUXION REQUIREMENT IS NEEDED	WIND WATER INFLUXION REQUIREMENT IS NOT NEEDED
POSITIVE +80 PSF	+80 PSF
NEGATIVE -80 PSF	-80 PSF

CONSULTING (813) 884-3831
DATE: 02/09/99
SCALE: 3/4" = 1'-0"
DWG. BY: R.P.P.
CHK. BY: [Signature]
99-05
SHEET 2 OF 4

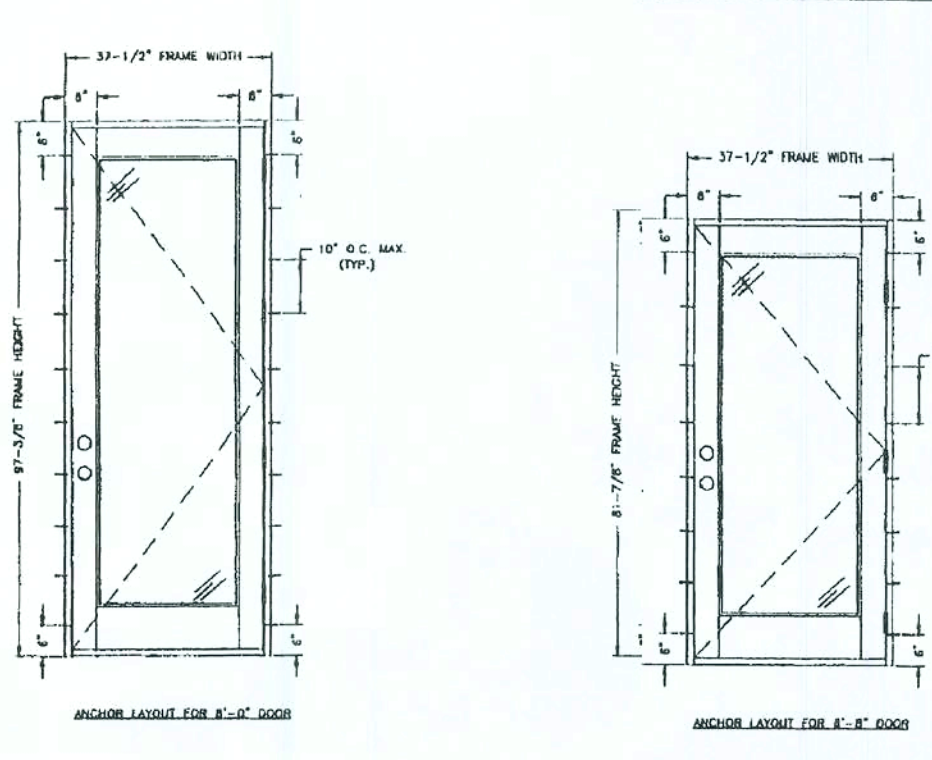


ANCHOR LAYOUT FOR 6'-0" DOOR

ANCHOR LAYOUT FOR 8'-0" DOOR

- TYPICAL ANCHORS
- 1) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE #8 SWS, 1-1/2" MIN. EMBEDMENT
 - 2) INTO 1BY WOOD BUCKS OR INTO MASONRY 3/16" DIA. TAPCONES WITH 1-1/4" MIN. EMBEDMENT

CONSULTING (813) 884-3831
DATE: 02/09/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY: [Signature]
99-05
SHEET 3 OF 4

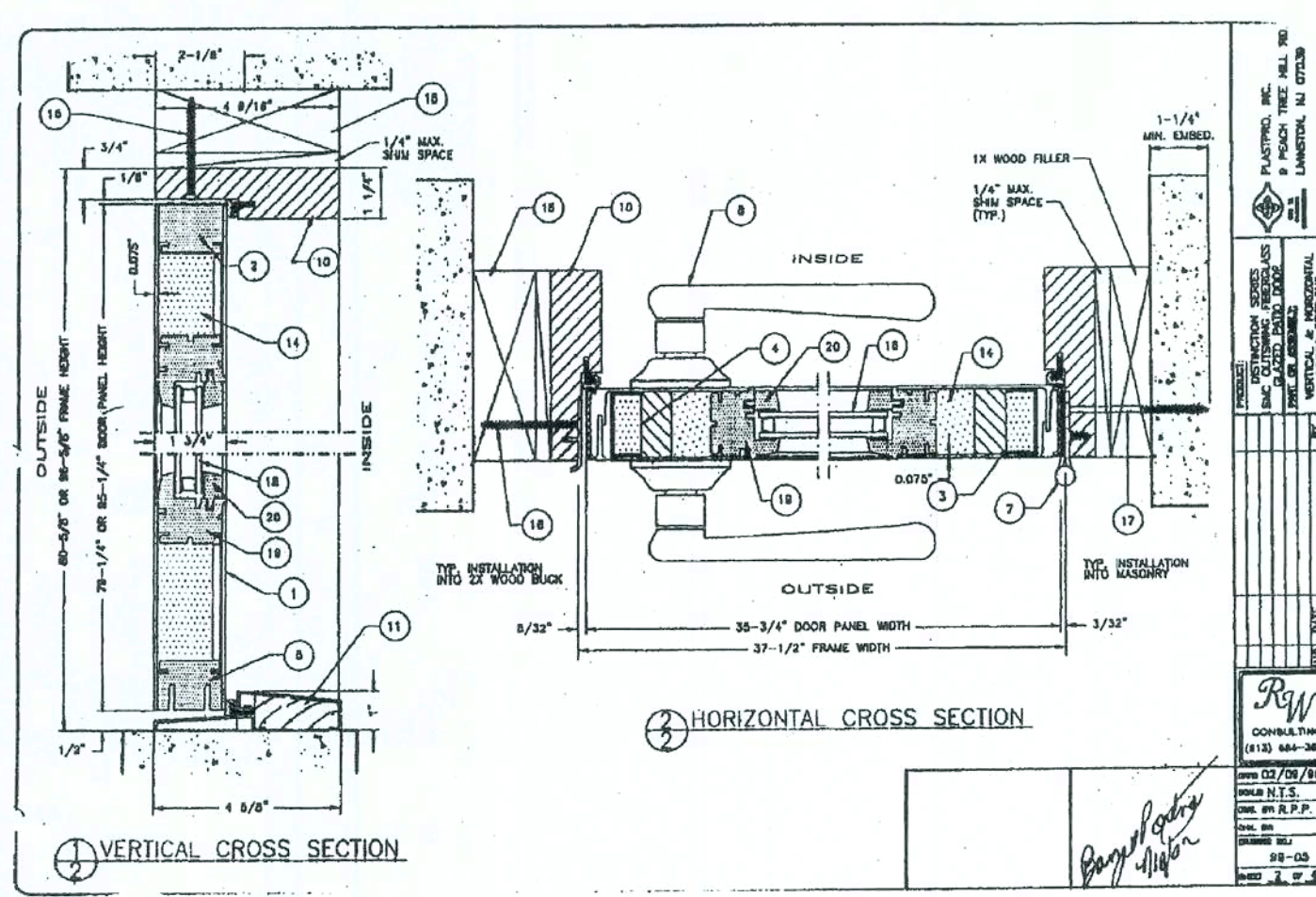


ANCHOR LAYOUT FOR 6'-0" DOOR

ANCHOR LAYOUT FOR 8'-0" DOOR

- TYPICAL ANCHORS
- 1) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE #8 SWS, 1-1/2" MIN. EMBEDMENT
 - 2) THROUGH 1BY WOOD BUCKS AND INTO MASONRY 3/16" DIA. TAPCONES WITH 1-1/4" MIN. EMBEDMENT

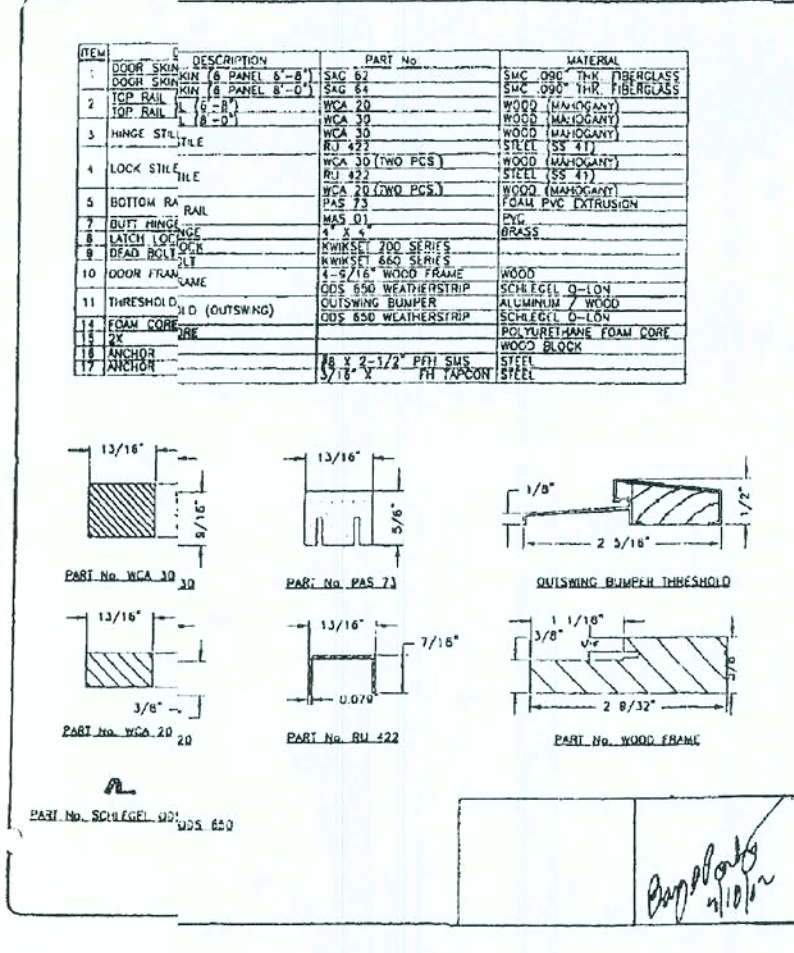
CONSULTING (813) 884-3831
DATE: 02/09/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY: [Signature]
99-05
SHEET 4 OF 4



HORIZONTAL CROSS SECTION

VERTICAL CROSS SECTION

ITEM	DESCRIPTION	PART NO.	MATERIAL
1	DOOR LEAF (SEE PANEL 1-3)	WCA 30	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
2	TOP RAIL	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
3	HINGE STILE	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
4	LOCK STILE	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
5	BOTTOM RAIL	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
6	DOOR BOTTOM (INSWING)	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
7	BUTT HINGE	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
8	DOOR LOCK	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
9	DOOR FRAME	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
10	DOOR FRAME	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
11	THRESHOLD (OUTSWING)	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
12	FOAM CORE	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
13	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
14	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
15	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
16	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
17	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
18	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
19	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
20	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
21	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
22	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
23	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
24	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
25	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
26	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
27	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
28	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
29	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR
30	ANCHOR	PAS 73	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR



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DATE: 02/09/99
SCALE: N.T.S.
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SHEET 5 OF 4

EXT. DOOR DETAILS

OUT SWING-FIBERGLASS

Maronda Homes

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FLORIDA
SANFORD, FLORIDA
4005 MARONDA WAY
321-0064

SHEET:
FD 2

RELEASE DATE:

03 JUN 2003

09-03-05