

DAVENPORT - M

BUILDING DATA AND DESIGN CRITERIA

REVISED 12-07-06

BUILDING DATA

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 R301.2J.4, 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: GCp1 = +/- 0.18

IMPORTANCE FACTOR: 1.0

NUMBER OF STORIES: ONE STORY

BUILDING MEAN ROOF HEIGHT: 15 FEET, MAX.

WOOD FRAMING INSPECTION

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

TERMITE TREATMENT

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)

BORA CARE : TERMITE TREATMENT

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 R320J.8)

EXTERIOR WINDOWS AND GLASS DOORS

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.

WINDBOURNE DEBRIS REGIONS

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, SSTO 12, ANSI/DASMA 115 (FOR GARAGE DOORS) OR TAS201, 202 AND 203. (FRC 2004, SECTION R301.2J.2)

INDEX OF DRAWINGS

SHEET NO.	TITLE
ARCH - ARCHITECTURALS	
0	COVER SHEET
1	EXTERIOR ELEVATIONS
2	FOUNDATION PLAN
3	FLOOR PLAN
WU	WINDOW & LINTEL SCHEDULE
3A	INTERIOR ELEVATIONS AND DETAILS
RSI	ROOF SHEATHING
MIPS - ROOF TRUSS ENGINEERING	
TRI	ROOF TRUSS INFO
MECH - ELECTRICAL	
EL	ELECTRICAL FIRST FLOOR
ELA	ELECTRICAL DETAILS / LOAD CALCS
MECH - HVAC	
HVA	HVAC REGISTER LAYOUT
ISO-H	HVAC ISOMETRIC
MECH - PLUMBING	
FPI	PLUMBING UNDERGROUND PLAN
ISO-P	DWV PLUMBING ISOMETRIC
ISO-W	CPVC WATER ISOMETRIC
ARCH - STANDARD DETAILS	
FTG	STANDARD DETAILS - FOOTINGS
WS-BI	STANDARD DETAILS - WALL SECTION
SDI	STANDARD DETAILS
SDO	STANDARD DETAILS - DOORS
SDW	STANDARD DETAILS - WINDOWS
SDH	STANDARD DETAILS - HEATING
ARCH - OPTIONAL PORCH	
POR	10' x 40' OPT. PORCH

REVISIONS :



AMERICAN COVER SHEET
DAVENPORT
ELEVATION "M"
RIGHT
GARAGE
03-09-06
125 MPH

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

Elmer Berglund, P.E.
License No. 50158
AUG 04 2008

SHEET:

Om

PLOT DATE: 21 FEB 2008

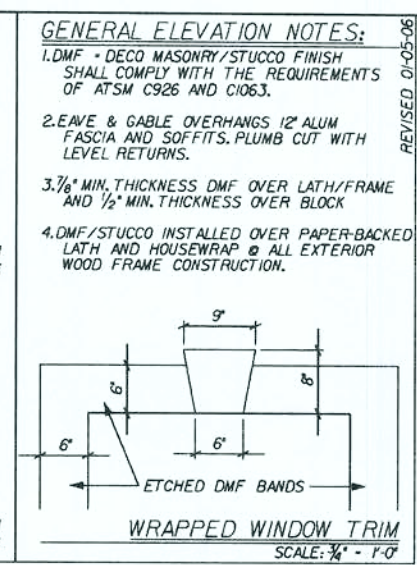
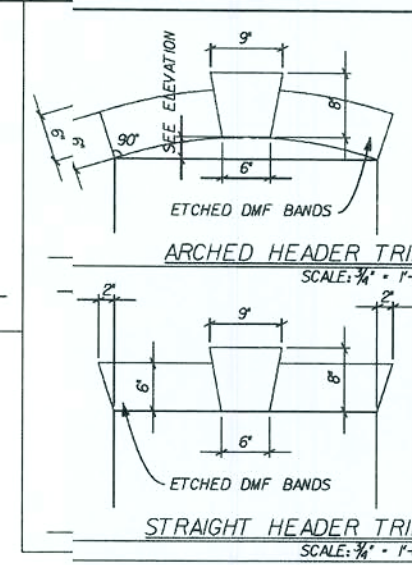
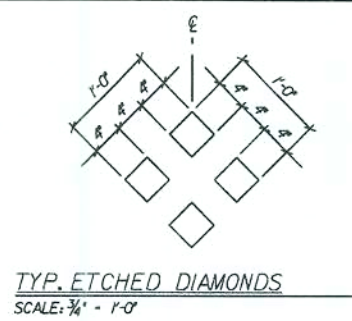
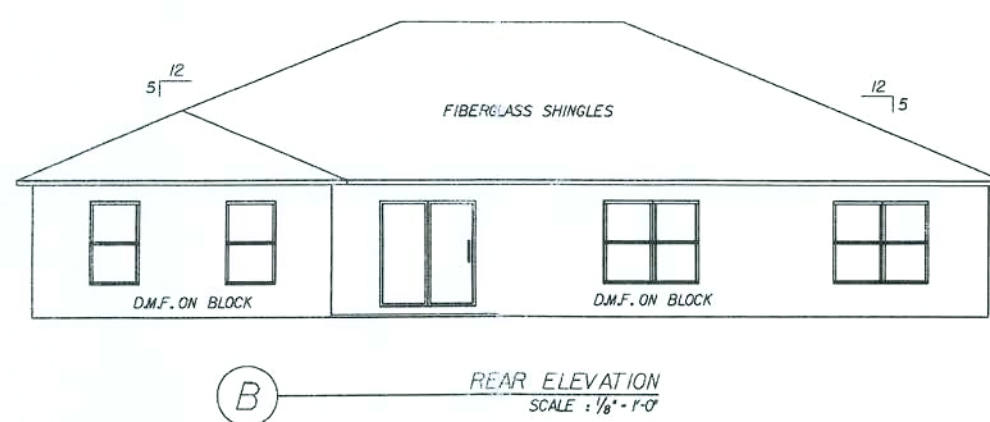
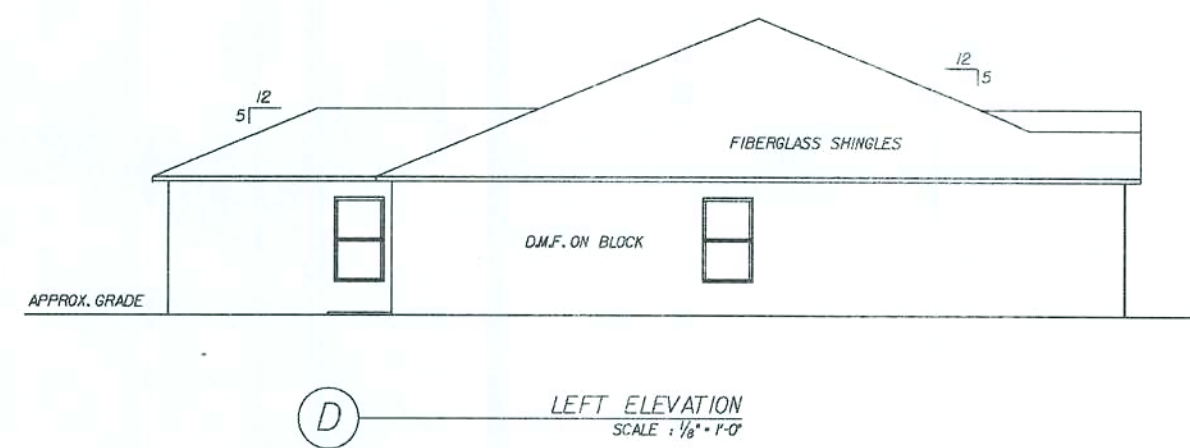
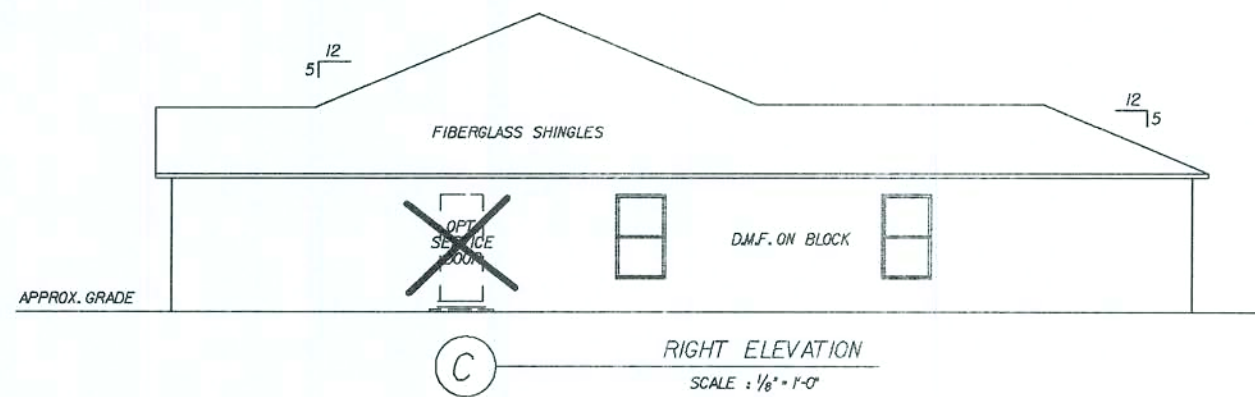
08-14-07 REV. CODE INFORMATION

ANY HOME LOCATED WITHIN 125 MPH WIND SPEED

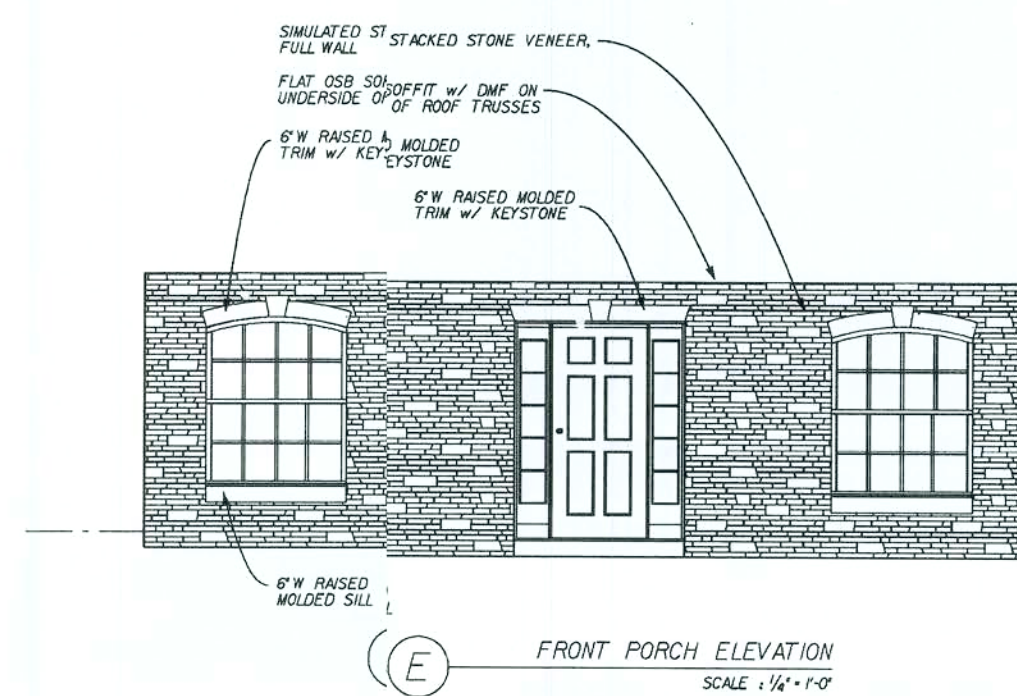
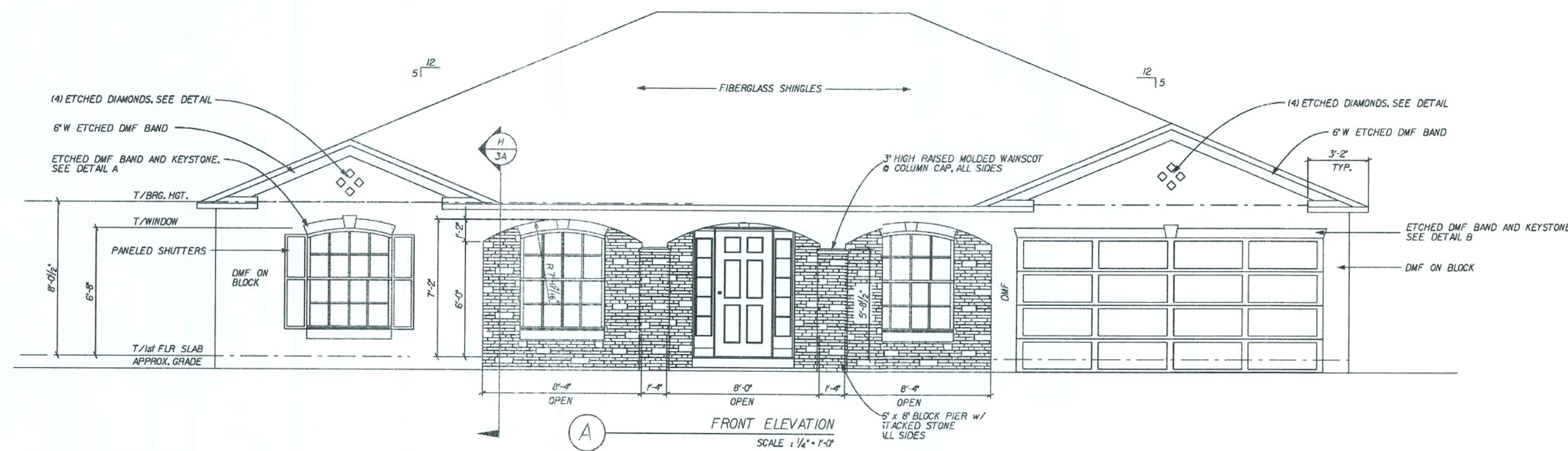
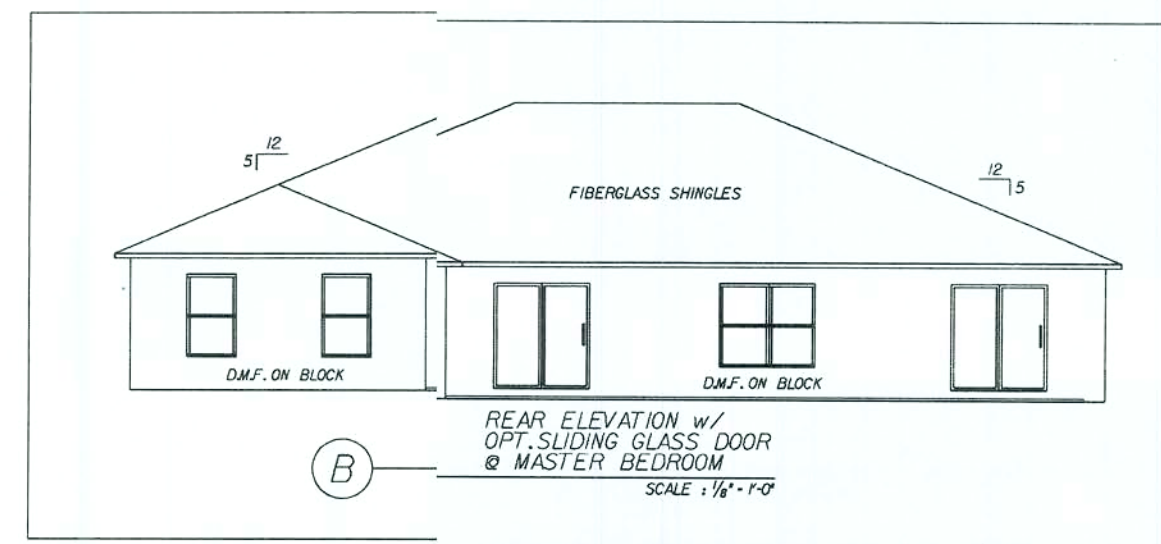
08/5/08

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GENERAL ELEVATION NOTES:
1. DMF = DECO MASONRY/STUCCO FINISH SHALL COMPLY WITH THE REQUIREMENTS OF ATSM C926 AND C1063.
2. EAVE & GABLE OVERHANGS 12" ALUM FASCH 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.



REVISIONS	DATE	DESCRIPTION
12-27-06	ADD GLASS AT HALL DOOR	
07-17-07	REV. HALL DOOR TO 25 SH	
11-07-07	REV. RAISED MOLDED TRIM NOTE	

Maronda Homes
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(407) 321-0064

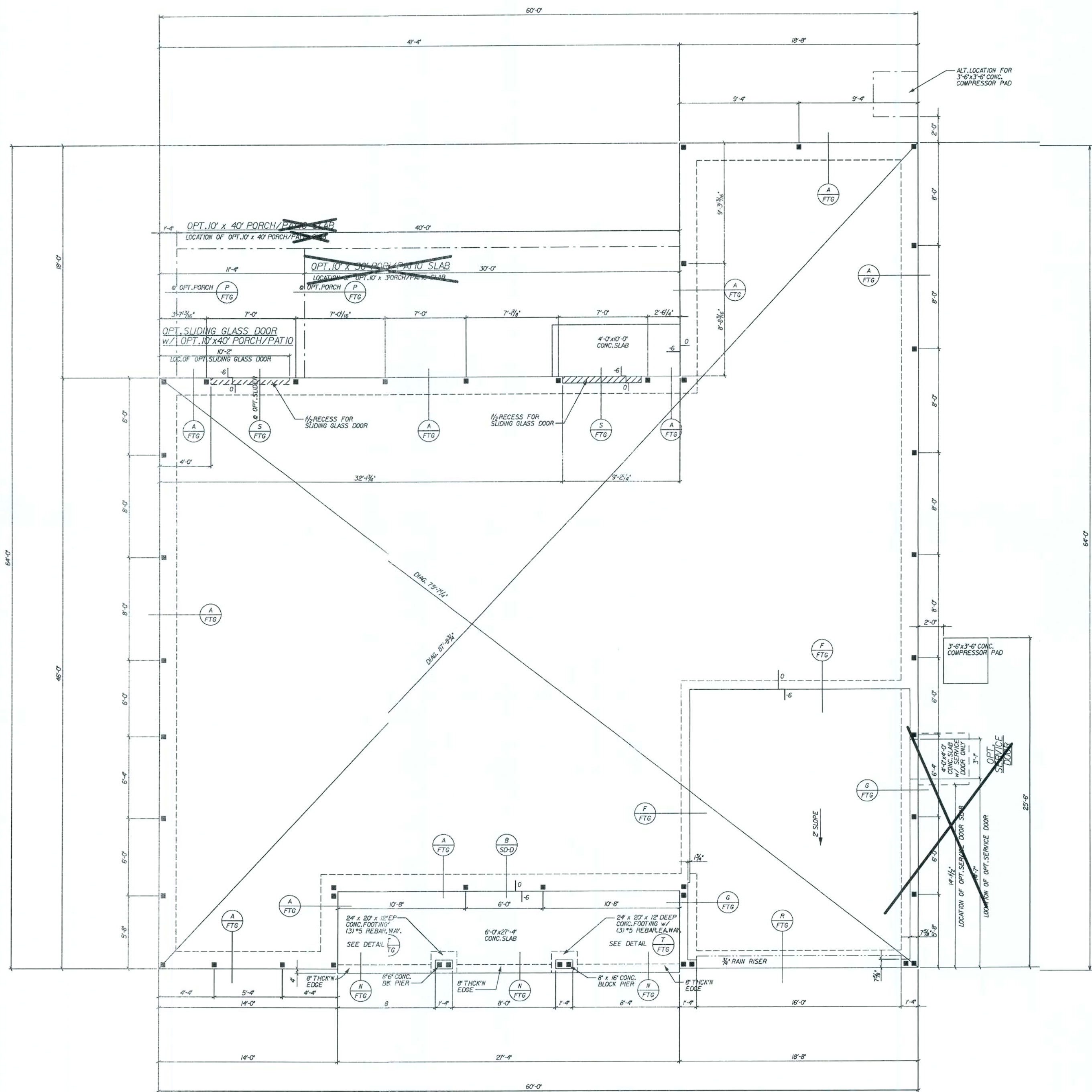
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 2006 EDITION, AND THE 2006 INTERNATIONAL RESIDENTIAL CODE.

DAVENPORT
ELEVATION "M" RIGHT GARAGE
DRAWN BY: [Signature]
RELEASE DATE: 03-09-06
085329

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License No. 50158
AUG 04 2008

SHEET: 1m
PLOT DATE: 21 FEB 2008



GENERAL FOUNDATION NOTES:

ALL FOOTING REBAR SHALL BE CONTINUOUS (2) #5 BARS GRADE 40 STEEL W/ 3" MIN. COVERAGE, UND.

ALL VERTICAL REBAR, DOWN REBAR, DOWEL REBAR AND BOND BEAM REINFORCEMENT SHALL BE #5 BARS GRADE 40 STEEL.

PLUMBING PASSING UNDER OR THROUGH A FOOTING SHALL BE ENCASED IN A PIPE TWO (2) SIZES LARGER THAN THE PLUMBING PIPE.

■ INDICATES FILLED CELL WITH REBAR
□ INDICATES FILLED CELL WITHOUT REBAR

ALL CONCRETE GROUTED CELLS FILLED W/ 3000 PSI CONCRETE SHALL BE CLEAR UNOBSTRUCTED CONTINUOUS 3" X 3" MIN CELLS W/ 10#5 BAR GRADE 40 STEEL TIED AT FOOTING UNTEL STEEL PROVIDE INSPECTION HOLE AT BOTTOM OF GROUTED CELL STACK.

TYPICAL CONCRETE SLAB: 3/4" DEEP POURED 2500 PSI CONCRETE SLAB W/ 6X6 10' WIRE OR FIBER MESH ON VISQUEEN VAPOR BARRIER W/ ALL JOINTS TAPED OVER CLEAN COMPACTED (2000 PSI, MIN) TYPICAL TREATED FILL.

FOR INSTALLATION OF GROUND ROD, SEE TYP. CONC. ENCASED ELECTRODE DETAIL SHEET * FTG

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

REVISIONS	DATE	BY	CHK	APP
06-25-06	06-25-06	REV. PER STONE VENEER		
06-10-07	06-10-07	REV. FRONT PORCH		
06-14-07	06-14-07	REV. CODE INFORMATION		

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THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2003 EDITION, AND ALL APPLICABLE LOCAL ORDINANCES. ALL CONNECTIONS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AT YOURS: 03/06/07/25/07/25/02

AMERICAN FOUNDATION PLAN
DAVENPORT
 ALL ELEVATIONS
 GARAGE, RIGHT
 125 MPH
 RELEASE DATE: 04-22-05

Maronda Systems
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Elmer Bergmark
 Elmer Bergmark, P.E.
 License No. 50158
 AUG 04 2008

SHEET: 2

PLOT DATE: 2/15/08

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/ PT. FURRING STRIPS IN A/C AREA. TOTAL WIDTH = 6".

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 "TR".

INTERIOR NON-LOAD BEARING WALLS TO BE NOMINAL 3/4" MTL. STUD, 25 ga. UND.

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 CRETE.

ALL COMPOSITE BEAMS OVER WINDOW AND DOOR OPENINGS ARE TO BE 8" NOMINAL WIDTH AND 18" NOMINAL HEIGHT. UNLESS THE 18" NOMINAL HEIGHT SHALL CONSIST OF AN 8" TOP COURSE (BOND BEAM BLOCK) FILLED w/ 3000 psi CONCRETE, w/ (1) GRADE 40 CONTINUOUS HORIZ. REBAR AND AN 8" HIGH STRENGTH PRECAST UNTEL LOWER COURSE WHICH SHALL BE UNFILLED. UNLESS FOR FILLED PRECAST UNTELS USE 3000 psi CONCRETE w/ 3/4" AGGREGATE. FOR REINFORCED PRECAST UNTELS USE GRADE 40 REINFORCING STEEL.

PROVIDE SAFETY GLAZING AT (1) TEMPERED GLASS OVER BATH TUBS. ALL WINDOWS WITHIN 24" OF A DOOR SWING. ALL SLIDING GLASS DOORS. ALL FIXED GLASS UNITS OVER 30 SQ. FT. ALL UNITS WITHIN 18" OF THE FLOOR AND INDIVIDUAL PANE GREATER THAN 9 SQ. FT. ALL SHOWER ENCLOSURES.

PROVIDE AFCIs (arc-fault circuit interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210.12.

THE A/C DISCONNECT WILL BE LOCATED WITHIN 3 FEET OF THE COMPRESSOR.

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

PROVIDE HEADER w/ (1) 2x4 JACK AND (1) 2x4 STUD, EACH SIDE OF OPENING (NO STRAPPING REQUIRED, UNLESS NOTED TO BE NOTED). SEE PLAN FOR SIZE.

ALL DRYWALL TO BE 1/2" THICK, UNLESS NOTED OTHERWISE.

SC DOOR - MIN. 1 3/8" THICK SOLID CORE DOOR.

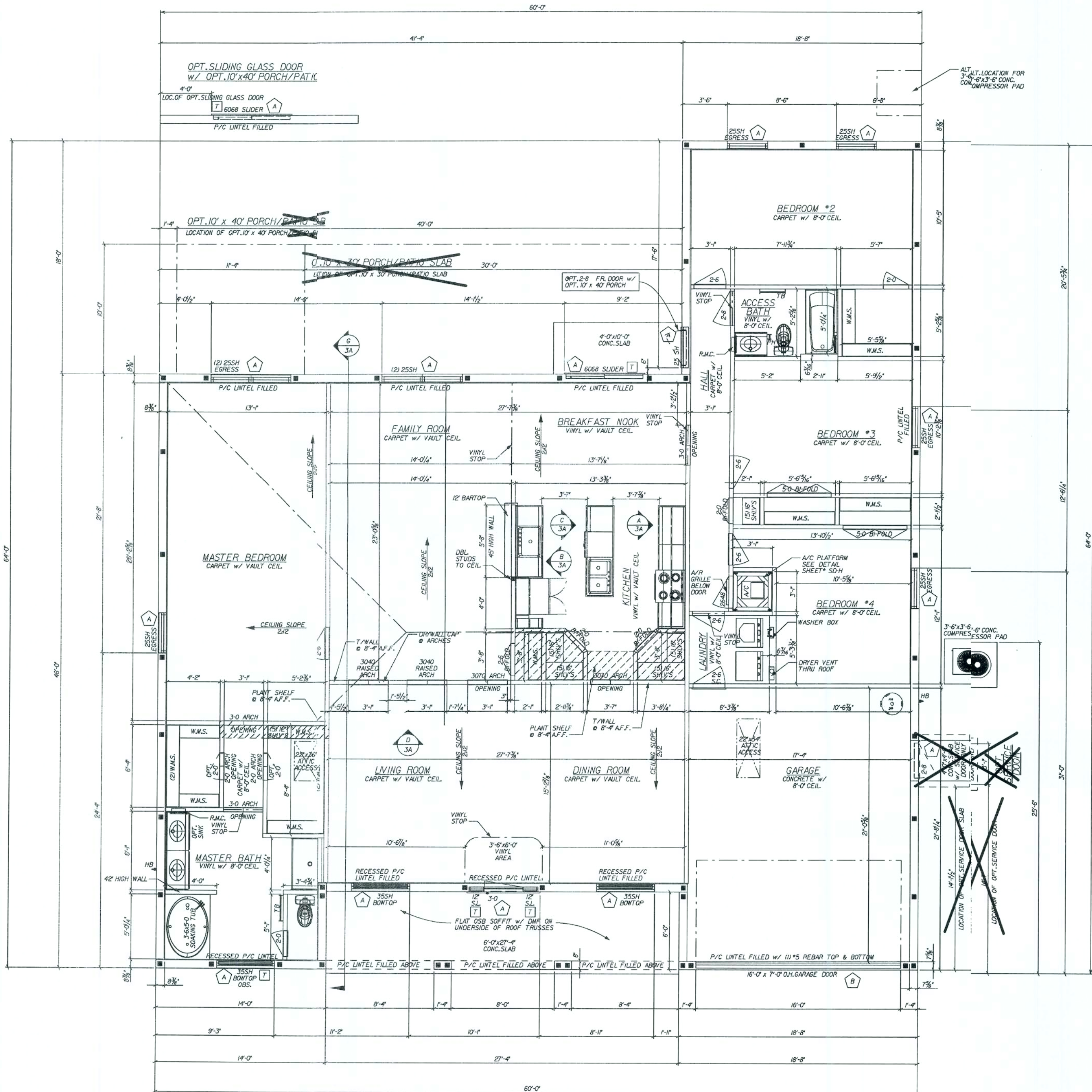
SQUARE FOOTAGE:

1st FLOOR LIVING	2527	SQ. FT.
GARAGE AREA	405	SQ. FT.
COVERED ENTRY	164	SQ. FT.
TOTAL AREA	3096	SQ. FT.

OPENING PRESSURES 125mph

A	B	E
281 / -305	237 / -216	242 / -211
C	D	
281 / -376	249 / -297	

REVISED 09-12-07



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

REVISIONS:

12-04-06	REV. SERVICE DOOR SWING
12-04-06	REV. HALL DOOR SWING
12-04-06	REV. HALL DOOR TO 25 SH
12-04-06	ADDED 2-8 FLOOR OPT.

Maronda Homes

1201 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

AMERICAN FIRST FLOOR PLAN

DA VENPORT

DRAWN BY: [Signature] RELEASE DATE: 04-22-05 125 MPH

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AUG 04 2008

SHEET: 3

DATE: 21 FEB 2008

FASTENERS SCHEDULE USING 3/4" x 2 1/2" TAPCONS THROUGH BUCK INTO BLOCK

NOTE 1) 1/2" WIDE; 2 FASTENERS IN HEADER-JAMB
NOTE 2) 2 WIDE; 2 FASTENERS IN HEADER-JAMB
NOTE 3) 3 WIDE; 3 FASTENERS IN HEADER-JAMB
NOTE 4) 2 HIGH; 2 FASTENERS IN EASIDE JAMB
NOTE 5) 3/4" OR 5 HIGH; 3 FASTENERS IN EASIDE JAMB

NOTE 6) 6 HIGH 2 3/4" x 4 FASTENERS IN EACH SIDE JAMB
NOTE 7) 438 WINDOW INTO FRAME OPENING; 10 x 1 1/4" SCREWS
NOTE 8) 562 FASTENED WITH 10 x 1 1/4" PANHEAD ALL HOLES SILLS 3/8" x 1 1/4" ANCHORS EVERYHOLE

WINDOW NOTES

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

ATTENTION

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.

NORANDEX SERIES (M0)437-(F0)438 WINDOW SIZE CHART

SERIES 500/502 SGD DOOR OPENINGS

SIZE	M.D.	FAST.	SIZE	M.D.	FAST.
6068	75 1/2" x 81 3/4"	8	6080	75 1/2" x 97 3/4"	8

SERIES (M0)437 - (F0)438 OPENINGS

SIZE	SINGLE M.D.	FAST.	DOUBLE M.D.	FAST.	SIZE	SINGLE F.D.	FAST.	DOUBLE F.D.	FAST.
25	37 3/4" x 63	2.5	74 3/4" x 63	2.5					

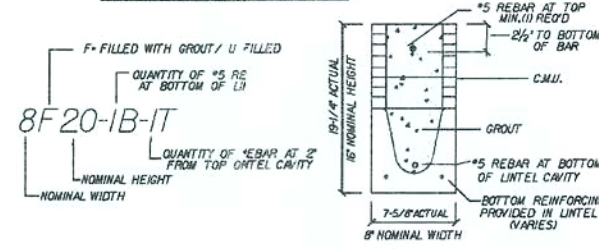
SINGLE HUNG BONTOP

SIZE	SINGLE M.D.	FAST.
35	53 3/4" x 68 1/2"	1.5

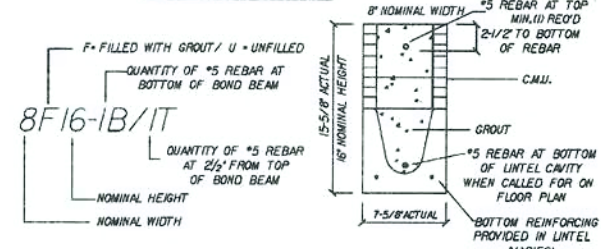
MATERIALS

1. 1" precast lintels - 3500 psi.
2. 1" precast lintels - 6000 psi.
3. 1" grout - 3000 psi w/ maximum 3% aggregate.
4. Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength - 1900 psi.
5. Rebar provided in precast lintel per ASTM A615 GR60, field rebar per ASTM A615 GR40 or GR60.
6. Prestressing strand per ASTM A416 grade 270 low relaxation.
7. 7/32 wire per ASTM A510.
8. Mortar per ASTM C270 type M or S.

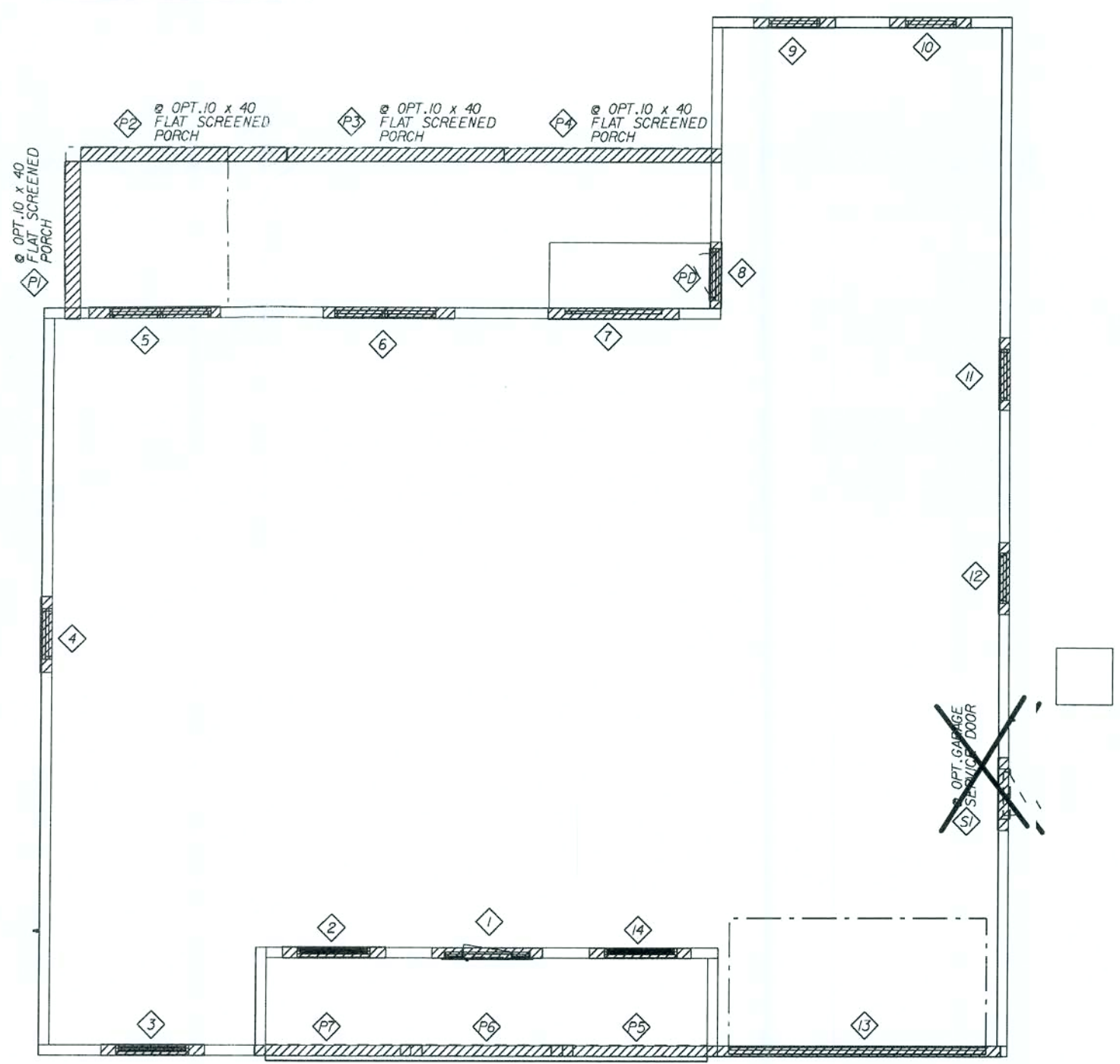
TYPICAL GARAGE DESIGNATION



TYPICAL DESIGNATION



CAST-CRETE LINTEL SCHEDULE						CAST-CRETE LINTEL SCHEDULE									
LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF)		SAFE LOADS		COMMENT	LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF)		SAFE LOADS		COMMENT
			GRAVITY	LIFT	GRAVITY	UPLIFT					GRAVITY	UPLIFT	GRAVITY	UPLIFT	
1	7'-0"	8F14-OB/IT	149	97	2459	1962	RECESSED	13	17'-4"	8F20-IB/IT	100	80	1326	520	GARAGE DOOR
2	5'-10"	8F14-OB/IT	149	97	1600	1900	RECESSED	14	5'-10"	8F14-OB/IT	149	797	1600	1900	RECESSED
3	5'-10"	8U14-OB/IT	100	0	810	1900	RECESSED	15	7'-6"	8F16-OB/IT	1810	586	2632	1634	OPT. SLIDING GLASS DOOR
4	4'-6"	8U16-OB/IT	173	13	1599	2724	-	16	4'-6"	8U16-OB/IT	173	13	1599	2724	OPT. GARAGE DOOR - REC.
5	7'-6"	8F16-OB/IT	1810	68	2632	1634	-	17	10'-6"	8F8-OB/IT	150	100	535	530	OPT. PORCH
6	7'-6"	8F16-OB/IT	798	75	2632	1634	-	18	13'-4"	8F8-OB/IT	250	220	471	418	OPT. PORCH
7	7'-6"	8F16-OB/IT	816	74	2632	1634	-	19	13'-4"	8F8-OB/IT	250	220	471	418	OPT. PORCH
8	4'-6"	8U16-OB/IT	424	40	1599	2724	-	20	13'-4"	8F8-OB/IT	250	220	471	418	OPT. PORCH
9	4'-6"	8U16-OB/IT	173	18	1599	2724	-	21	9'-4"	8F8-OB/IT	150	100	699	591	FRONT PORCH
10	4'-6"	8U16-OB/IT	173	18	1599	2724	-	22	9'-4"	8F8-OB/IT	100	320	699	591	FRONT PORCH
11	4'-6"	8F16-OB/IT	1760	10	2931	2724	-	23	9'-4"	8F8-OB/IT	100	320	699	591	FRONT PORCH
12	4'-6"	8U16-OB/IT	173	18	1599	2724	-	24	4'-6"	8U14-OB/IT	424	340	1494	2525	OPT. PORCH DOOR - REC.



THE SPECIFIED LINTELS ON SHEET WLI 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 WLI LINTEL SCHEDULE.

REVISED 04-08-07

REVISIONS

NO.	DATE	DESCRIPTION
1	08-16-07	REV. LINTEL #8
2	02-28-08	ADDED LINTEL # PD

Maronda Homes

4005 MARONDA WAY SANFORD, FL 32771

FLORIDA

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2006 FLORIDA BUILDING CODE. THE DESIGNER HAS REVIEWED THE CONSTRUCTION DOCUMENTS AND HAS FOUND THEM TO BE IN ACCORDANCE WITH THE 2006 FLORIDA BUILDING CODE. ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE 2006 FLORIDA BUILDING CODE.

AMERICAN WINDOW/LINTEL

DA VENPORT

125 MPH

DOWN BY

RELEASE DATE: 04-02-05

06/5/02

Maronda Systems

4005 Maronda Way

Sanford, FL 32771

(407)321-0064

Elmer Bergman, P.E.

License No. 50158

AUG 04 2008

SHEET:

WLI

DATE: 21 FEB 2008

POWER LINTEL - PSbox8 (5-5/8") 6" DEPTH FILLED AND UNFILLED

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	POUNDS PER LINEAR FOOT (LBS/FT)	FILLED W/ #5 TOP DETAIL "A"	FILLED W/ #5 TOP DETAIL "B"	FILLED W/ #5 TOP DETAIL "C"
M-1	1'-6"	2'-10"	960	7775	7775	
M-2	2'-2"	3'-6"	665	5389	5389	
M-3	2'-8"	4'-2"	617	4982	4982	
M-4	3'-4"	4'-10"	540	4353	4353	
M-5	4'-0"	5'-6"	508	4095	4095	
M-6	4'-6"	6'-2"	480	3768	3865	
M-7	5'-2"	6'-8"	455	3378	3695	
M-8	5'-8"	7'-4"	432	3044	3474	
M-9	6'-4"	8'-0"	360	2100	2887	
M-10	7'-0"	8'-6"	333	1632	2270	
M-11	7'-6"	9'-2"	320	1650	2373	
M-12	8'-2"	9'-8"	278	1240	1789	
M-13	8'-8"	10'-4"	271	1161	1676	
M-14	9'-4"	11'-0"	233	857	1242	
M-15	10'-0"	11'-6"	228	810	1175	
M-16	10'-6"	12'-2"	205	655	954	
M-17	11'-2"	12'-8"	210	681	970	
M-18	11'-8"	13'-4"	231	449	680	
M-19	12'-4"	14'-0"	209	353	537	
M-20	13'-0"	14'-6"	178	268	444	
M-21	13'-6"	15'-2"	210	347	537	
M-22	14'-2"	15'-8"	103	193	294	
M-23	14'-8"	16'-4"	103	168	252	

* DENOTES TYPICAL DOOR SIZE OPENINGS (INCLUDING DOOR JAMB).

POWER LINTEL - PSbox8 (7-5/8") 8" DEPTH FILLED AND UNFILLED

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	POUNDS PER LINEAR FOOT (LBS/FT)	FILLED W/ #5 TOP DETAIL "A"	FILLED W/ #5 TOP DETAIL "B"	FILLED W/ #5 TOP DETAIL "C"
L-1	1'-6"	2'-10"	533	7229	7229	
L-2	2'-2"	3'-6"	446	4866	4958	
L-3	2'-8"	4'-2"	524	4040	4040	
L-4	3'-4"	4'-10"	442	3592	3592	
L-5	4'-0"	5'-6"	380	2673	2673	
L-6	4'-6"	6'-2"	311	2169	2169	
L-7	5'-2"	6'-8"	271	2056	2056	
L-8	5'-8"	7'-4"	227	1594	1713	
L-9	6'-4"	8'-0"	200	1170	1502	
L-10	7'-0"	8'-6"	170	881	1206	
L-11	7'-6"	9'-2"	200	657	904	
L-12	8'-2"	9'-8"	192	512	750	
L-13	8'-8"	10'-4"	172	423	590	
L-14	9'-4"	11'-0"	160	358	503	
L-15	10'-0"	11'-6"	152	315	445	
L-16	10'-6"	12'-2"	144	276	396	
L-17	11'-2"	12'-8"	137	247	353	
L-18	11'-8"	13'-4"	125	215	311	
L-19	12'-4"	14'-0"	107	157	211	
L-20	13'-0"	14'-6"	142	182	268	
L-21	13'-6"	15'-2"	104	148	215	
L-22	14'-2"	15'-8"	76	110	160	

NOTE: ALL LINTELS GREATER THAN 22'-8" IN LENGTH WILL REQUIRE (2) #5 BARS TOP OR (2) #5 BARS TOP & BOTTOM

POWER LINTEL PSbox8 (7-5/8") 12" COMPOSITE

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	POUNDS PER LINEAR FOOT (LBS/FT)	FILLED W/ #5 TOP DETAIL "G"	FILLED W/ #5 TOP DETAIL "H"	FILLED W/ #5 TOP DETAIL "I"
L-1	1'-6"	2'-10"	9030	9030		
L-2	2'-2"	3'-6"	6224	6224		
L-3	2'-8"	4'-2"	5041	5041		
L-4	3'-4"	4'-10"	4231	4231		
L-5	4'-0"	5'-6"	3331	3331		
L-6	4'-6"	6'-2"	2951	2951		
L-7	5'-2"	6'-8"	2559	2559		
L-8	5'-8"	7'-4"	2130	2130		
L-9	6'-4"	8'-0"	1866	1866		
L-10	7'-0"	8'-6"	1621	1621		
L-11	7'-6"	9'-2"	1404	1404		
L-12	8'-2"	9'-8"	976	1279		
L-13	8'-8"	10'-4"	855	1041		
L-14	9'-4"	11'-0"	651	852		
L-15	10'-0"	11'-6"	575	792		
L-16	10'-6"	12'-2"	511	706		
L-17	11'-2"	12'-8"	455	632		
L-18	11'-8"	13'-4"	400	563		
L-19	12'-4"	14'-0"	286	420		
L-20	13'-0"	14'-6"	280	365		
L-21	13'-6"	15'-2"	195	281		
L-22	14'-2"	15'-8"	147	219		

POWER LINTEL - PSbox8 (5-5/8") 14" COMPOSITE

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	POUNDS PER LINEAR FOOT (LBS/FT)	FILLED W/ #5 TOP DETAIL "H"	FILLED W/ #5 TOP DETAIL "I"	FILLED W/ #5 TOP DETAIL "J"
M-1	1'-6"	2'-10"	11377	11377		
M-2	2'-2"	3'-6"	7845	7845		
M-3	2'-8"	4'-2"	7278	7278		
M-4	3'-4"	4'-10"	6355	6355		
M-5	4'-0"	5'-6"	5975	5975		
M-6	4'-6"	6'-2"	5636	5636		
M-7	5'-2"	6'-8"	5336	5336		
M-8	5'-8"	7'-4"	5064	5064		
M-9	6'-4"	8'-0"	4203	4203		
M-10	7'-0"	8'-6"	4031	4031		
M-11	7'-6"	9'-2"	3726	3726		
M-12	8'-2"	9'-8"	3231	3231		
M-13	8'-8"	10'-4"	3127	3127		
M-14	9'-4"	11'-0"	2691	2691		
M-15	10'-0"	11'-6"	2617	2617		
M-16	10'-6"	12'-2"	2358	2358		
M-17	11'-2"	12'-8"	2051	2051		
M-18	11'-8"	13'-4"	1965	1965		
M-19	12'-4"	14'-0"	1777	1777		
M-20	13'-0"	14'-6"	1571	1571		
M-21	13'-6"	15'-2"	1240	1240		
M-22	14'-2"	15'-8"	1060	1060		
M-23	14'-8"	16'-4"	941	941		

* DENOTES TYPICAL DOOR SIZE OPENINGS (INCLUDING DOOR JAMB).

POWER LINTEL - PSbox8 (7-5/8") 16" COMPOSITE

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	POUNDS PER LINEAR FOOT (LBS/FT)	FILLED W/ #5 TOP DETAIL "I"	FILLED W/ #5 TOP DETAIL "J"	FILLED W/ #5 TOP DETAIL "K"
L-1	1'-6"	2'-10"	10831	10831		
L-2	2'-2"	3'-6"	7463	7463		
L-3	2'-8"	4'-2"	6041	6041		
L-4	3'-4"	4'-10"	5069	5069		
L-5	4'-0"	5'-6"	3980	3980		
L-6	4'-6"	6'-2"	3533	3533		
L-7	5'-2"	6'-8"	3082	3082		
L-8	5'-8"	7'-4"	2547	2547		
L-9	6'-4"	8'-0"	2230	2230		
L-10	7'-0"	8'-6"	1936	1936		
L-11	7'-6"	9'-2"	1675	1675		
L-12	8'-2"	9'-8"	1526	1526		
L-13	8'-8"	10'-4"	1354	1354		
L-14	9'-4"	11'-0"	1252	1252		
L-15	10'-0"	11'-6"	1169	1169		
L-16	10'-6"	12'-2"	1044	1044		
L-17	11'-2"	12'-8"	936	936		
L-18	11'-8"	13'-4"	885	885		
L-19	12'-4"	14'-0"	816	816		
L-20	13'-0"	14'-6"	774	774		
L-21	13'-6"	15'-2"	728	728		
L-22	14'-2"	15'-8"	684	684		
L-23	14'-8"	16'-4"	634	634		
L-24	15'-4"	17'-0"	587	587		
L-25	16'-0"	17'-6"	541	541		
L-26	16'-6"	18'-2"	495	495		

NOTE: ALL LINTELS GREATER THAN 22'-8" IN LENGTH WILL REQUIRE (2) #5 BARS TOP OR (2) #5 BARS TOP & BOTTOM

POWER LINTEL PSbox8 (7-5/8") 20" COMPOSITE

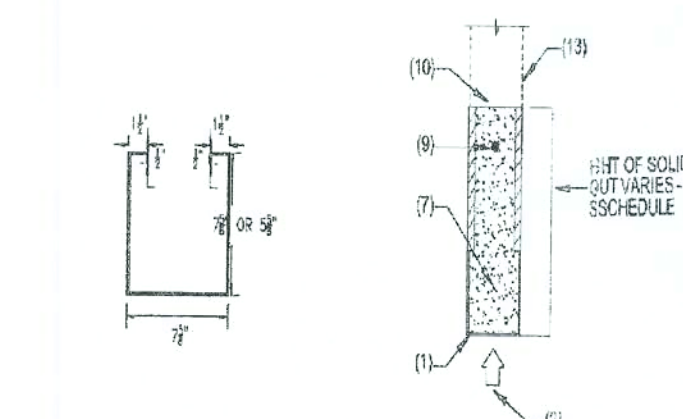
MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	POUNDS PER LINEAR FOOT (LBS/FT)	FILLED W/ #5 TOP DETAIL "J"	FILLED W/ #5 TOP DETAIL "K"	FILLED W/ #5 TOP DETAIL "L"
L-1	1'-6"	2'-10"	12639	12639		
L-2	2'-2"	3'-6"	8701	8701		
L-3	2'-8"	4'-2"	7024	7024		
L-4	3'-4"	4'-10"	5908	5908		
L-5	4'-0"	5'-6"	4647	4647		
L-6	4'-6"	6'-2"	4114	4114		
L-7	5'-2"	6'-8"	3565	3565		
L-8	5'-8"	7'-4"	2963	2963		
L-9	6'-4"	8'-0"	2563	2563		
L-10	7'-0"	8'-6"	2251	2251		
L-11	7'-6"	9'-2"	1946	1946		
L-12	8'-2"	9'-8"	1729	1729		
L-13	8'-8"	10'-4"	1572	1572		
L-14	9'-4"	11'-0"	1453	1453		
L-15	10'-0"	11'-6"	1369	1369		
L-16	10'-6"	12'-2"	1293	1293		
L-17	11'-2"	12'-8"	1225	1225		
L-18	11'-8"	13'-4"	1069	1069		
L-19	12'-4"	14'-0"	940	940		
L-20	13'-0"	14'-6"	818	818		
L-21	13'-6"	15'-2"	641	641		
L-22	14'-2"	15'-8"	508	508		
L-23	14'-8"	16'-4"	484	484		
L-24	15'-4"	17'-0"	391	391		
L-25	16'-0"	17'-6"	317	317		
L-26	16'-6"	18'-2"	256	256		

NOTE: ALL LINTELS GREATER THAN 22'-8" IN LENGTH WILL REQUIRE (2) #5 BARS TOP OR (2) #5 BARS TOP & BOTTOM

POWER LINTEL PSbox8 (7-5/8") 24" COMPOSITE

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	POUNDS PER LINEAR FOOT (LBS/FT)	FILLED W/ #5 TOP DETAIL "K"	FILLED W/ #5 TOP DETAIL "L"	FILLED W/ #5 TOP DETAIL "M"
L-1	1'-6"	2'-10"	15746	15746		
L-2	2'-2"	3'-6"	10414	10414		
L-3	2'-8"	4'-2"	8746	8746		
L-4	3'-4"	4'-10"	7305	7305		
L-5	4'-0"	5'-6"	5805	5805		
L-6	4'-6"	6'-2"	5065	5065		
L-7	5'-2"	6'-8"	4368	4368		
L-8	5'-8"	7'-4"	3698	3698		
L-9	6'-4"	8'-0"	3257	3257		
L-10	7'-0"	8'-6"	2866	2866		
L-11	7'-6"	9'-2"	2518	2518		
L-12	8'-2"	9'-8"	2218	2218		
L-13	8'-8"	10'-4"	2019	2019		
L-14	9'-4"	11'-0"	1821	1821		
L-15	10'-0"	11'-6"	1633	1633		
L-16	10'-6"	12'-2"	1471	1471		
L-17	11'-2"	12'-8"	1323	1323		
L-18	11'-8"	13'-4"	1187	1187		
L-19	12'-4"	14'-0"	1061	1061		
L-20	13'-0"	14'-6"	944	944		
L-21	13'-6"	15'-2"	832	832		
L-22	14'-2"	15'-8"	725	725		
L-23	14'-8"	16'-4"	625	625		
L-24	15'-4"	17'-0"	527	527		
L-25	16'-0"	17'-6"	433	433		
L-26	16'-6"	18'-2"	343	343		

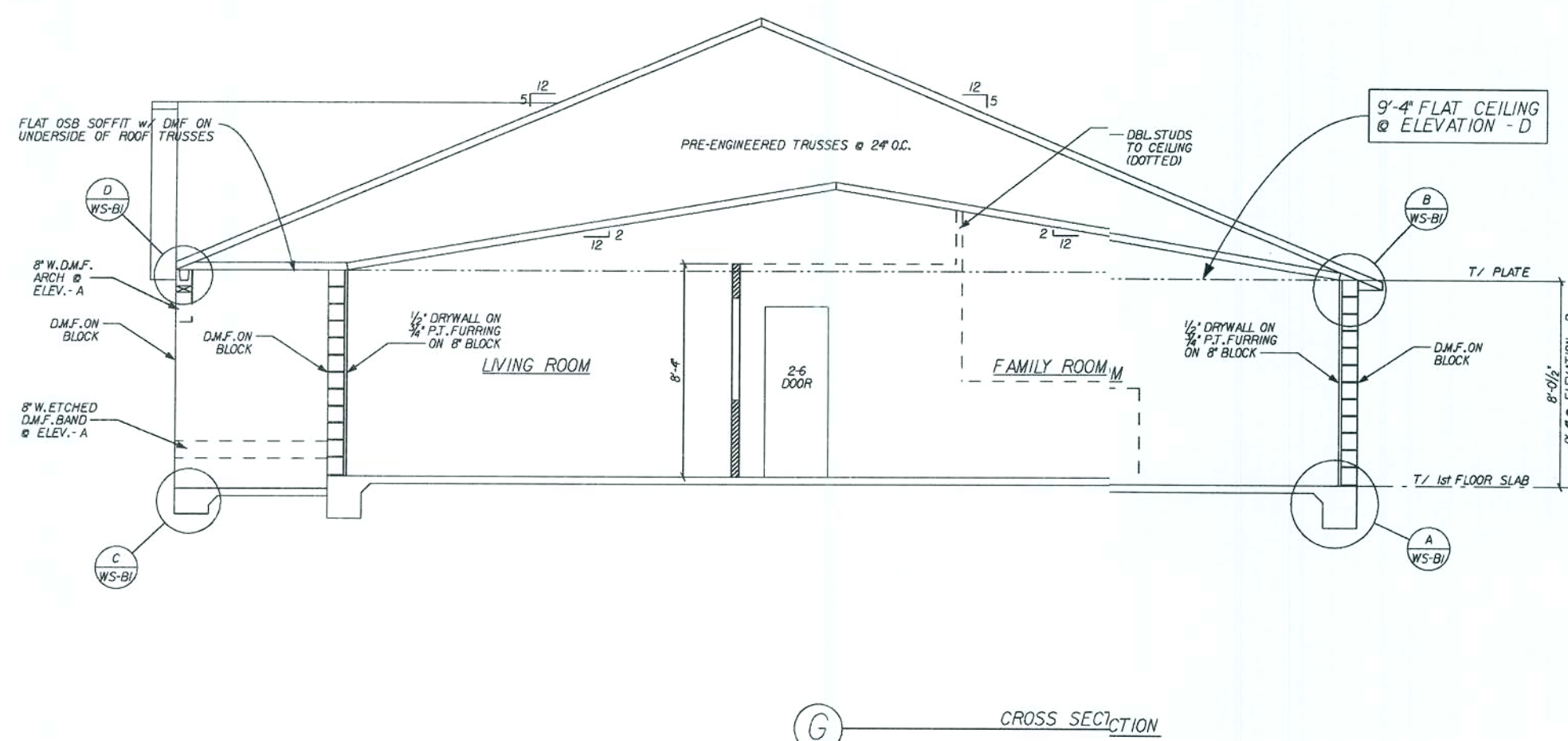
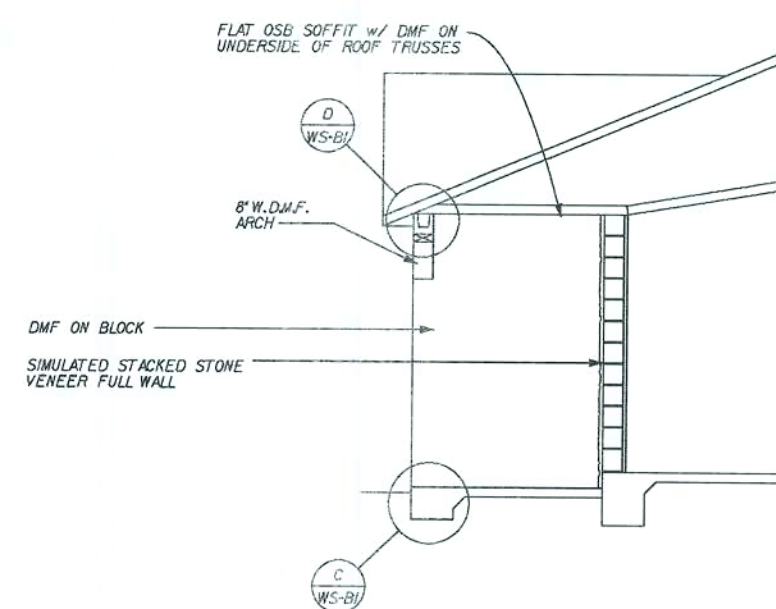
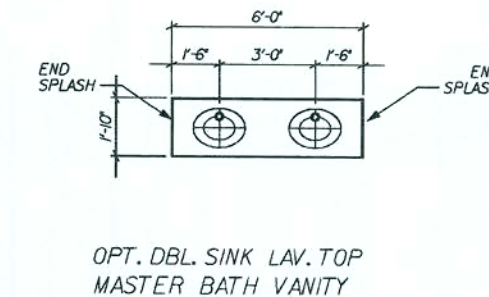
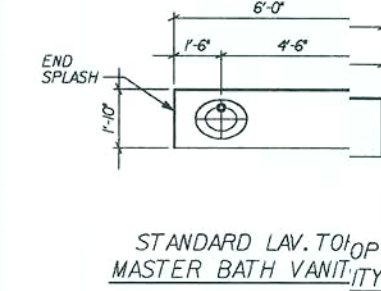
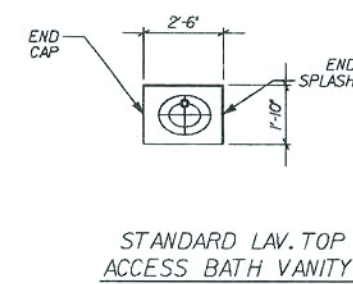
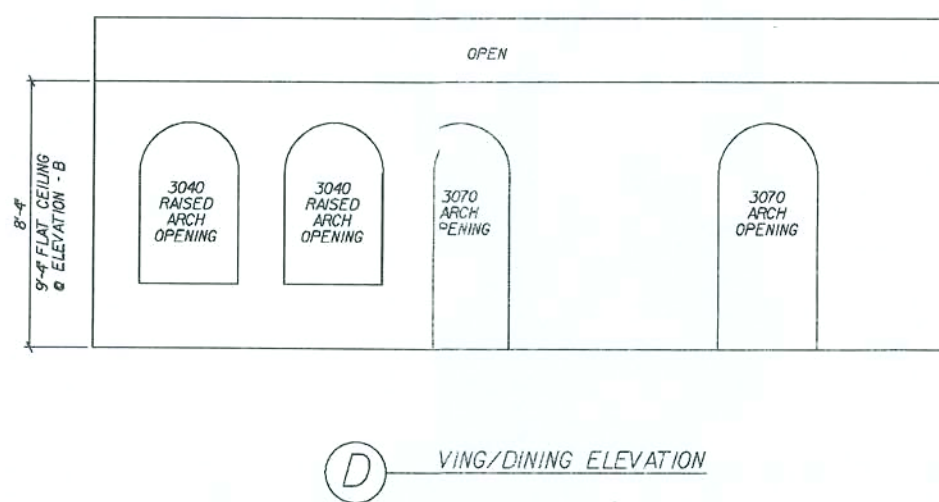
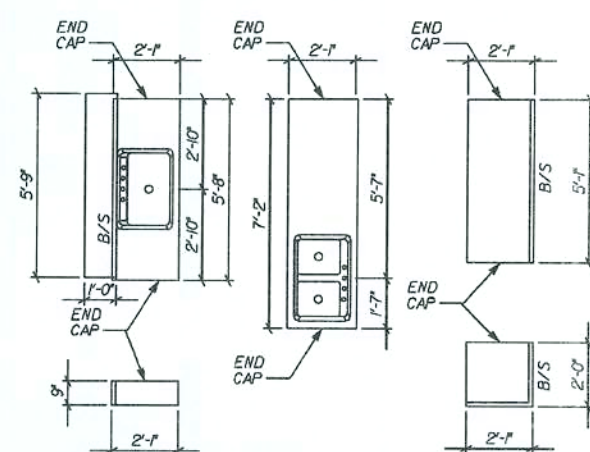
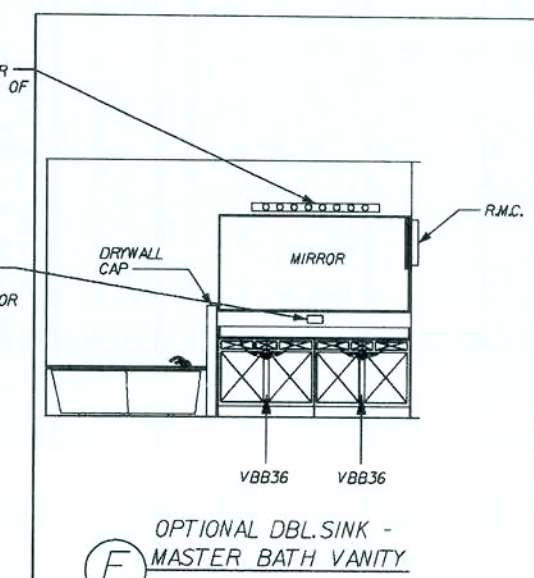
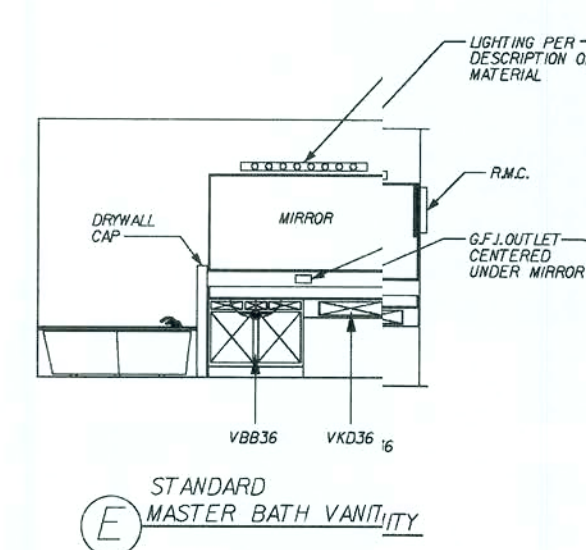
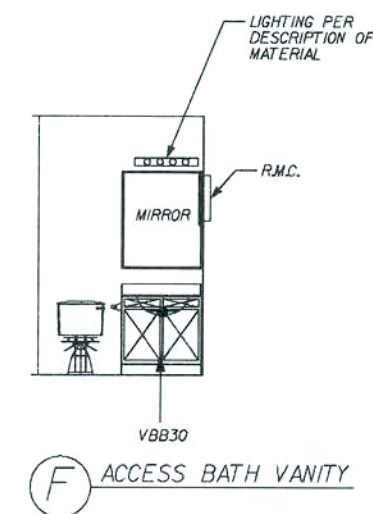
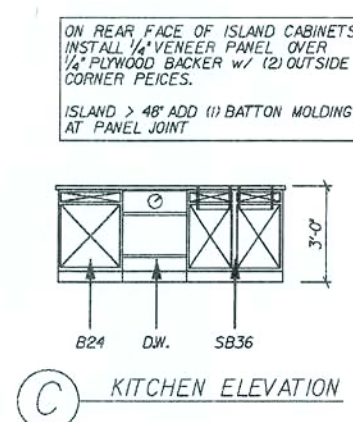
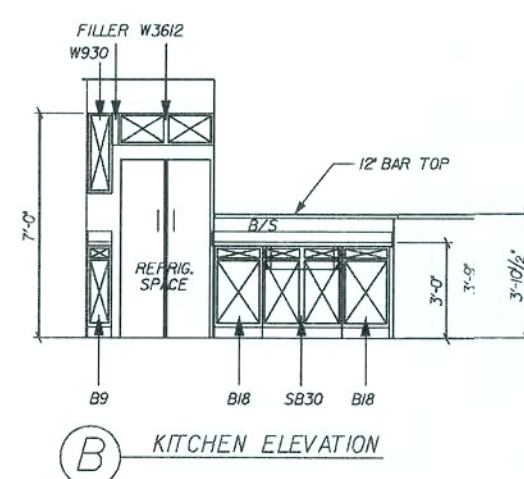
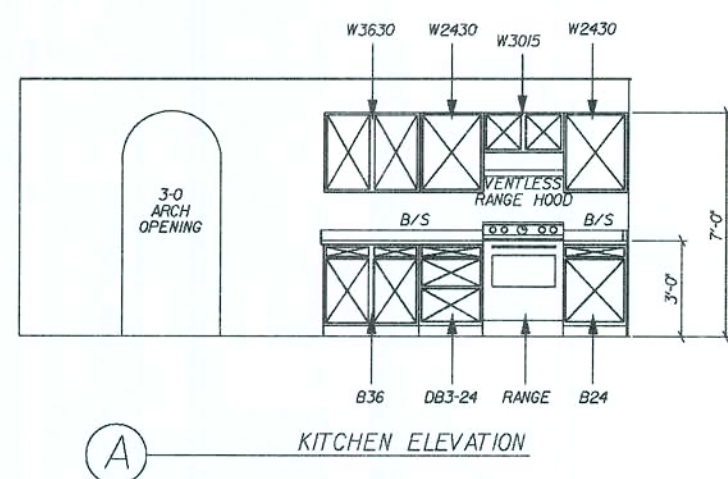
NOTE: ALL LINTELS GREATER THAN 22'-8" IN LENGTH WILL REQUIRE (2) #5 BARS TOP OR (2) #5 BARS TOP & BOTTOM



TYPICAL POWER BOX LINTEL SECTION

POWER LINTEL PSbox8 (7-5/8") 32" COMPOSITE

SUPERIMPOSED GRAVITY LOAD			POUNDS PER LINEAR FOOT (LBS/FT)	
MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	FR: FD TOP D/16" 1"	FILLED W/ #5 T&B DETAIL "LL"
L-1	1'-6"	2'-10"	---	---
L-2	2'-2"	3'-6"	---	---
L-3	2'-8"	4'-0"	---	---
L-4	3'-2"	4'-8"	---	---
L-5	4'-0"	5'-4"	---	---
L-6	4'-6"	6'-0"	---	---
L-7	5'-2"	6'-8"	5074	5074
L-8	6'-2"	7'-6"	4214	4214
L-9	7'-0"	8'-4"	3685	3685
L-10	8'-0"	9'-4"	3196	3196
L-11	9'-2"	10'-6"	2763	2760
L-12	10'-0"	11'-8"	2311	2311
L-13	11'-2"	12'-8"	2225	2225
L-14	12'-0"	13'-4"	2055	2055
L-15	12'-8"	14'-0"	1934	1934
L-16	13'-4"	14'-8"	1825	1826
L-17	14'-0"	15'-4"	1729	1729
L-18	16'-0"	17'-4"	1484	1484
L-19	18'-0"	19'-4"	1185	1185
L-20	18'-8"	20'-0"	1120	1120
L-21	20'-8"	22'-0"	927	927
L-22	22'-8"	24'-0"	744	744
L-23	24'-0"	26'-4"	605	605
L-24	26'-0"	27'-4"	537	537
L-25	28'-0"	29'-4"	464	464
L-26	30'-0"	31'-4"	437	437
L-27	32'-0"	33'-4"	409	409
L-28	34'-0"	35'-4"	379	379
L-29	36'-0"	37'-4"	375	375



GENERAL ROOF NOTES:
7/8" OSB SH/16 w/ 8d RING/SCREW SHANK
NAILS PER 803.2.3.1 (4" O.C. EDGE &
6" O.C. FIELD) (3" O.C. GABLE END TRUSSES)
w/ CLIPS ON PRE-ENGINEERED TRUSSES
@ 24" O.C.
REVISED 05-07-01

TOTAL ROOF SHEATHING:
121 SHEETS

VENTILATION OF ATTIC SPACE: DAVENPORT

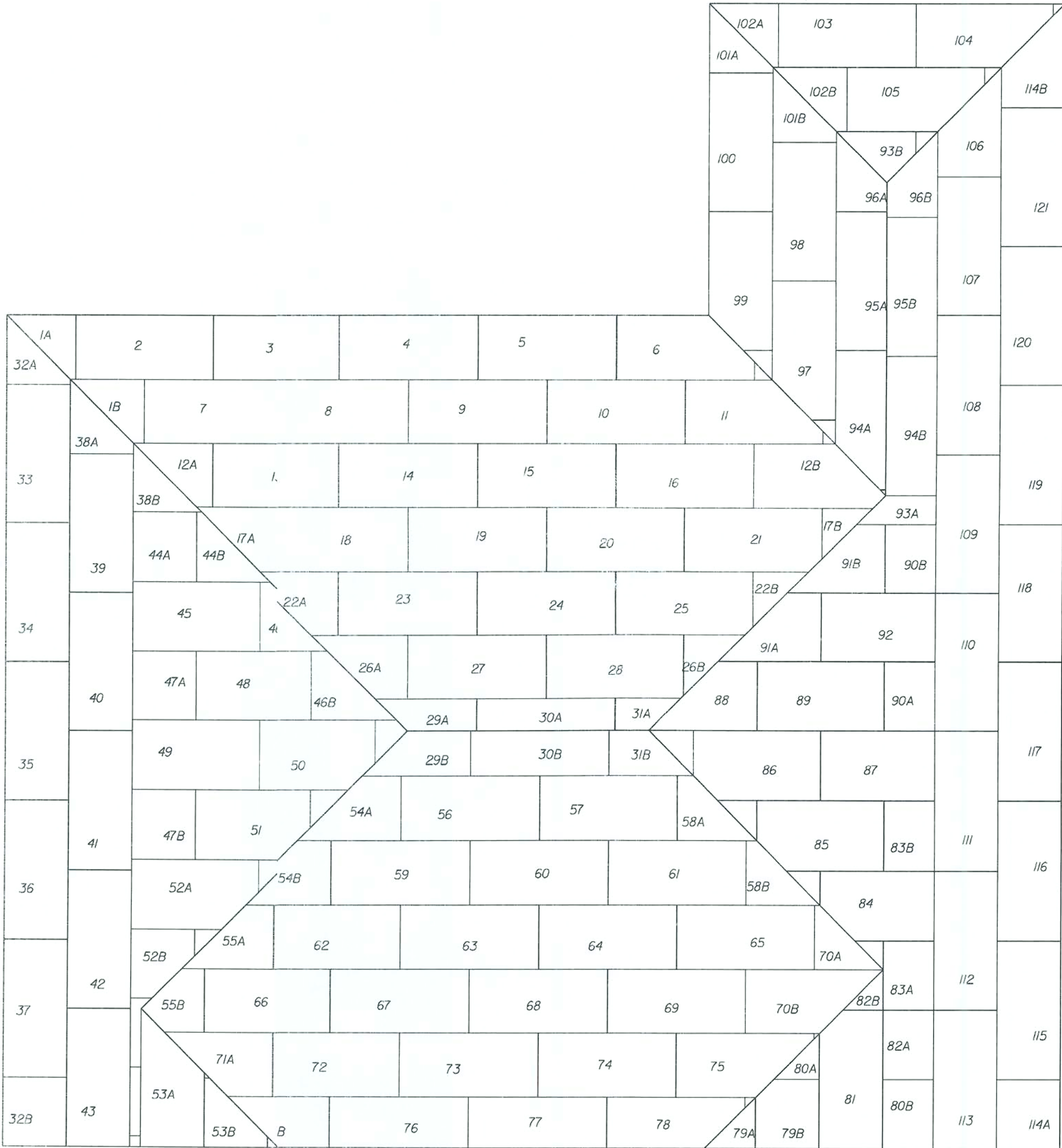
REQUIREMENTS:
TOTAL NET FREE VENTILATION AREA SHALL NOT BE LESS THAN
1/150 OF THE AREA OF SPACE VENTILATED.
(FBCR 2004, SECTION R806.2)

SOFFIT VENTILATION:
ALSO - QUAD 4 VENTED SOFFIT (16" WIDE) = 26.1 s/LF
26.1 s/L / 1.34' = 19.5 s/LF PER 12" wide soffit

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

SOFFIT:
188 LF SOFFIT VENT @ 19.5 s/LF = 3666.0 s/L
3666.0 s/L / 144 s/L 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:
DATE: 04-22-05
BY: RSI

AMERICAN ROOF SHEATHING
DAVENPORT
ELEVATION "M"
GARAGE RIGHT
DRAWN BY: RSI
RELEASE DATE: 04-22-05
PLOT DATE: 27 FEB 2008

Maronda Homes
4005 MARONDA WAY
SAFORD, FLORIDA 32137
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2000 FLORIDA BUILDING CODE AND THE 2000 FLORIDA PLUMBING CODE.
REVISED 05-07-01

SHEET:
RSI

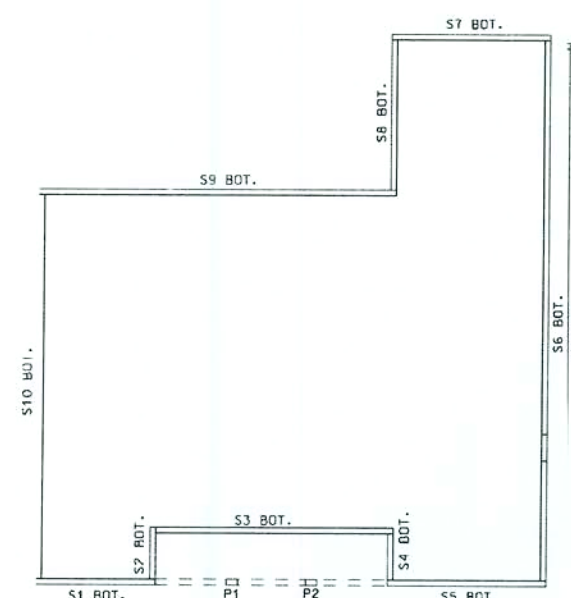
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TRUSS ID		TRUSS TYPE	QWLT	UPWT	UPWT	UPWT	LEFT	STAMP	FASTENERS		NO	STAMP	FASTENERS		RIGHT	STAMP	FASTENERS	
		COMMON		LEST	LEST	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE	TYPE
SI		COMMON	8	653	583	390	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS1		HMP	2	714	554	379	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS2		HMP	1	799	566	368	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS3		HMP	1	794	566	368	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS4		HMP	1	898	627	355	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS5		HMP	1	927	665	345	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS6S		HMP	1	329		352	TH206	2170		TH206 121 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS7S		HMP	1	353		373	TH206	2170		TH206 121 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS8S		HMP	1	378		372	TH206	2170		TH206 121 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS9S		2x12 HMP GIPPER	1	181		406	TH206-3	2665		TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
HS		HMP	1	281		306	TH206	2170		TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
HS2		HMP	1	305		290	TH206	2170		TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
HS3		HMP	1	319		285	TH206	2170		TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
HS4		HMP	1	344		303	TH206	2170		TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
HS5		HMP	1	355		302	TH206	2170		TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
B1		BOX	1	400		400				TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
B20D1		2x12 BOX GIPPER	1	433		497	TH206-2	2465		TH206 121 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"	TH206	2170		181 106 x 1 1/2"
CRD		COMMON	2	250		3632	TH206-2	3000		TH206 121 106 x 1 1/2"	TH206-2	2465		TH206 121 106 x 1 1/2"	TH206-2	2465		TH206 121 106 x 1 1/2"
T1		GABLE	6	230		230	TA AB	(205		181 106 x 1 1/2"	MORTIS	455		181 106 x 1 1/2"	MORTIS	455		181 106 x 1 1/2"
H1		GABLE	1	TA AB	8	24" OC				181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS		COMMON	1	227		227	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS6D1		HMP	1	855		855	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HS6D2		HMP GIPPER	1	807		807	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
T2		COMMON	2	899		893	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
G2		GABLE	1	TA AB	8	24" OC				181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"	TA AB	(205		181 106 x 1 1/2"
HSR		HMP JACK	2	256		297	TA AB	(205		181 106 x 1 1/2"	TH206-2	2170		181 106 x 1 1/2"	TH206-2	2170		181 106 x 1 1/2"
HS6D2		HMP JACK	1	973		334	TA AB	(205		181 106 x 1 1/2"	TH206-2	2170		181 106 x 1 1/2"	TH206-2	2170		181 106 x 1 1/2"
J1		END JACK	29	127		72	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
J5		END JACK	1	109		140	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
J5A		END JACK	1	107		93	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
J1		CORNER JACK	4	117		87	TA AB	(205		181 106 x 1 1/2"	TH206-2	2170		181 106 x 1 1/2"	TH206-2	2170		181 106 x 1 1/2"
J51		CORNER JACK	2	98		98	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
J2		CORNER JACK	4	112		39	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
J52		CORNER JACK	2	88		53	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
J3		CORNER JACK	4	62		11	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
J53		CORNER JACK	2	54		14	TA AB	(205		181 106 x 1 1/2"	IGS NAILS	2		IGS NAILS	2		IGS NAILS	2
V		VALLEY TRUSS SET					670			102 106								

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:
16 psf TOP CHORD LL
7 psf TOP CHORD DL
10 psf BOTTOM CHORD LL
10 psf BOTTOM CHORD DL
43 psf TOTAL LOAD
3. PROVIDE TRUSS BRACING PER TRUSS
ENGINEERING & TPI/HIR-91



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RICANA	TRUSS INFO. S
--------	---------------

DA VENPORT

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

Elmer Bergman, P.E.
License No. 50158
AUG 04 2008

SHEET:

TRI

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

08-14-07 REV. CODE INFORMATION

TO WITHSTAND ALL APPLICABLE LOADS.

RELEASE DATE: 10-18-07	125 MPH
0:35:48	

PLOT DATE: 02 JAN 2008



ELECTRICAL LOAD CALCULATIONS

MODEL: DAVENPORT

11/28/06
VOLT/AMPS
13200

LARGEST LOAD:HEAT PUMPW/SUPPLEMENTAL HEAT

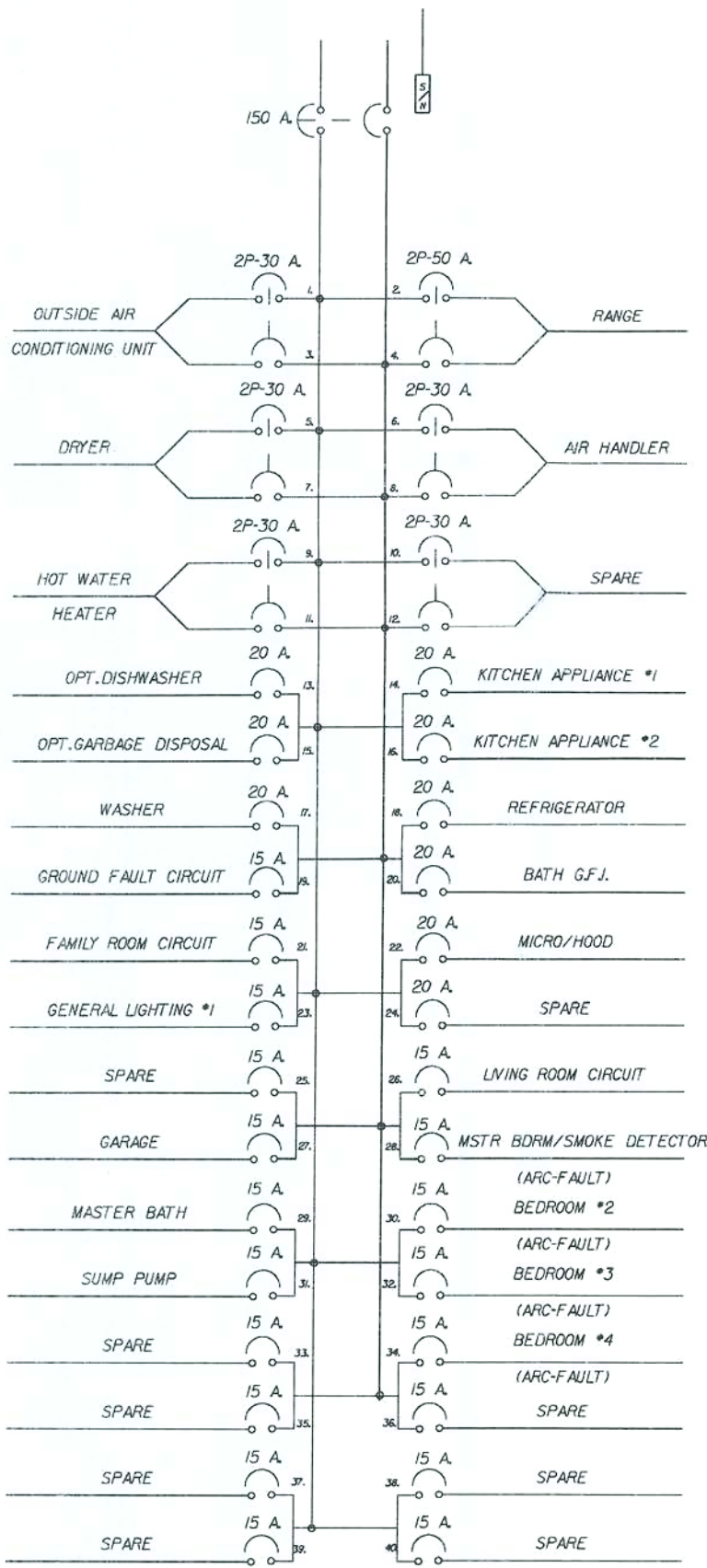
SQUARE FEET LIVING AREA	2527 @ 3 VOLT/AMPS	7581
SMALL APPLIANCE CIRCUITS		3000
LAUNDRY CIRCUIT		1500
OVEN		11700
WATER HEATER		4500
DISHWASHER		1500
DRYER		5000
DISPOSAL		500
TOTAL LOAD		35281

FIRST 10KVA @100%	10000
REMAINDER @40%	10112.4
LARGEST LOAD	13200

TOTAL LOAD 33312 V.A./240 VOLTS= 139 AMPS

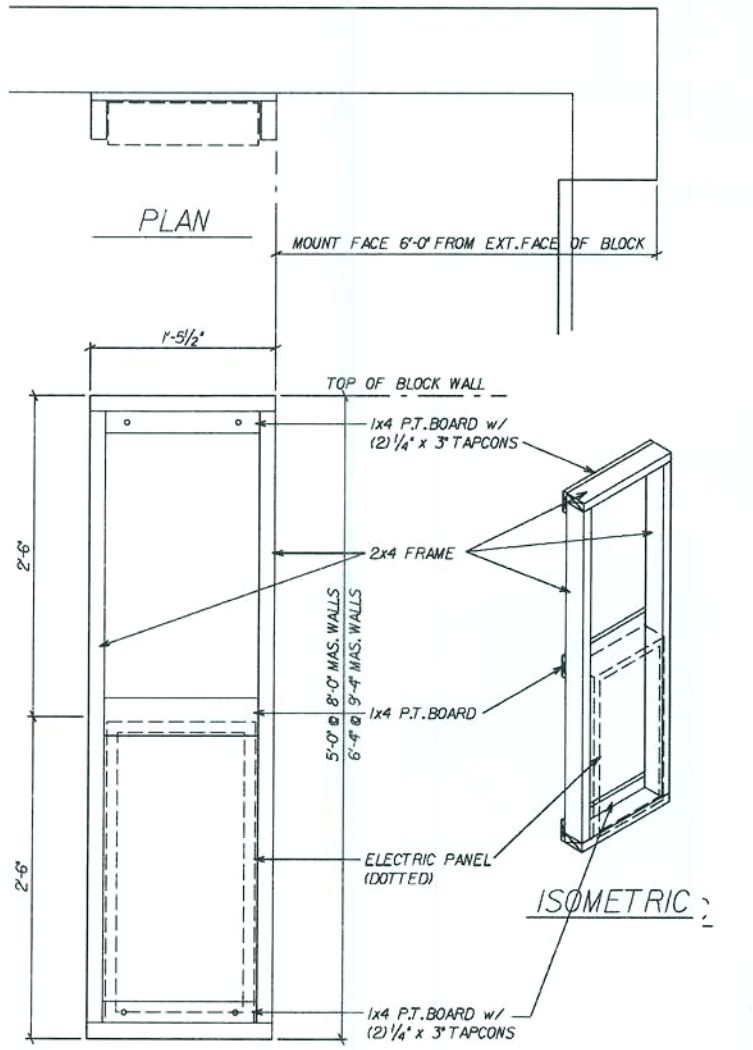
SERVICE SIZE: 150 AMPS

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



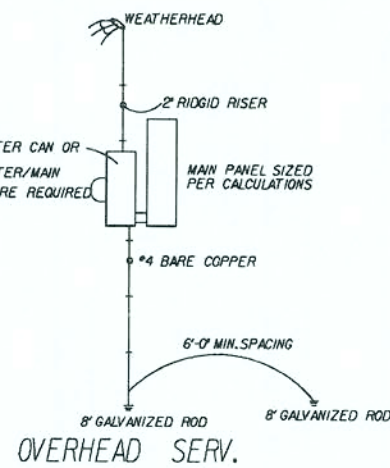
MAIN BREAKER LOAD CENTER

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

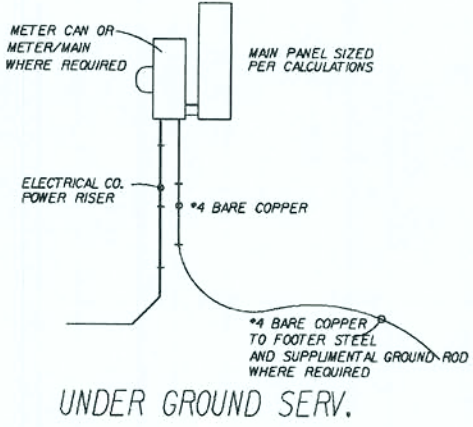


ELECTRIC PANEL FRAME
SCALE: 1" = 1'-0"

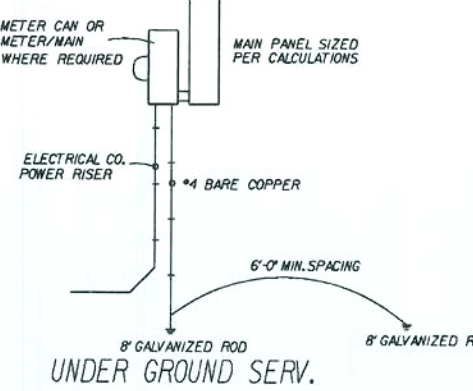
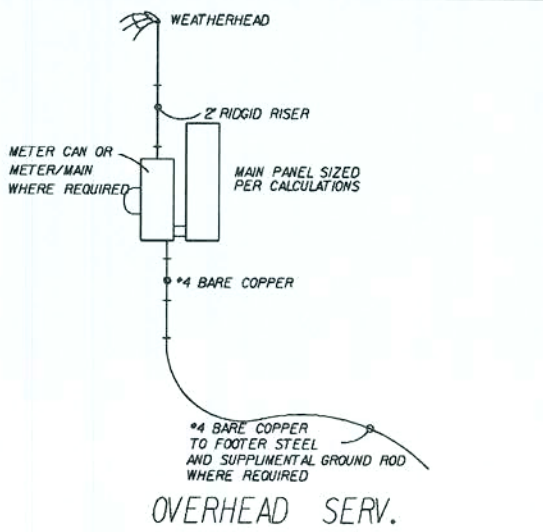
REVISED 09-07-07
ADDED 10'-0" 9'-4" MAS. WALL



REVISED 06-06-06
SPACING REQUIREMENT



REVISED 06-06-06
SPACING REQUIREMENT



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

REVISED 06-06-06 SPACING REQUIREMENT
REVISED 06-06-06 SPACING REQUIREMENT
REVISED 06-06-06 SPACING REQUIREMENT
REVISED 06-06-06 SPACING REQUIREMENT
REVISED 06-06-06 SPACING REQUIREMENT

AMERICAN MARONDA HOMES
DAVENPORT
14071 321-0884 4005 MARONDA WAY SANFORD, FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2008 FLORIDA BUILDING CODE AND THE 2008 FLORIDA ELECTRICAL CODE. THE DESIGNER ASSUMES NO LIABILITY FOR ANY DAMAGE TO THE PROPERTY OR PERSONS DUE TO THE USE OF THIS DOCUMENT.

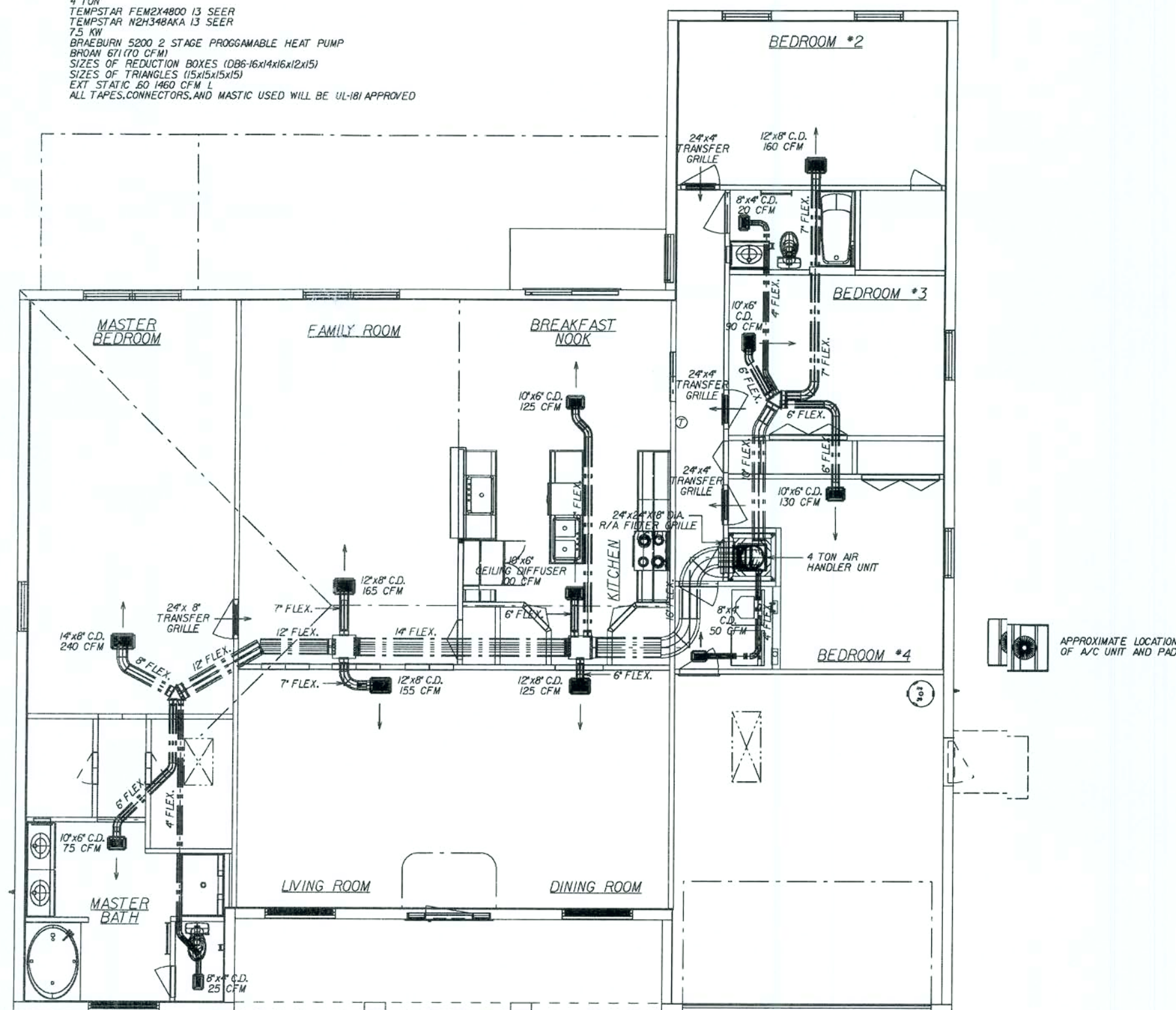
AMERICAN MARONDA HOMES
DAVENPORT
14071 321-0884 4005 MARONDA WAY SANFORD, FLORIDA
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AMERICAN MARONDA HOMES
DAVENPORT
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THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE 2008 FLORIDA BUILDING CODE AND THE 2008 FLORIDA ELECTRICAL CODE. THE DESIGNER ASSUMES NO LIABILITY FOR ANY DAMAGE TO THE PROPERTY OR PERSONS DUE TO THE USE OF THIS DOCUMENT.

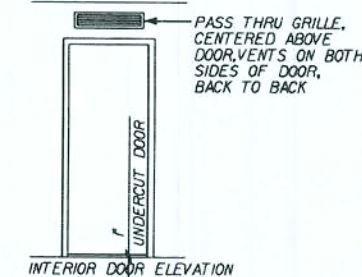
H.V.A.C. LAYOUT PLAN

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

4 TON
TEMPSTAR FEM24800 13 SEER
TEMPSTAR 12N384RA 13 SEER
7.5 KW
BRAEBURN 5200 2 STAGE PROGRAMMABLE HEAT PUMP
BROW 671 (70 CFM)
SIZES OF REDUCTION BOXES (DBS-16X14X16X12X15)
SIZES OF TRIANGLES (15X15X15X15)
EXT. STATIC 80 1460 CFM L
ALL TAPES, CONNECTORS, AND MASTIC USED WILL BE 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.
M1602A BALANCED RETURN AIR TRANSFER GRILLES IN HABITABLE ROOMS SEE DETAIL BELOW:



REVISIONS	DATE	BY	DESCRIPTION
1	04-06	REVISED	REVISED AS PER DMS.T.M

Maronda Homes

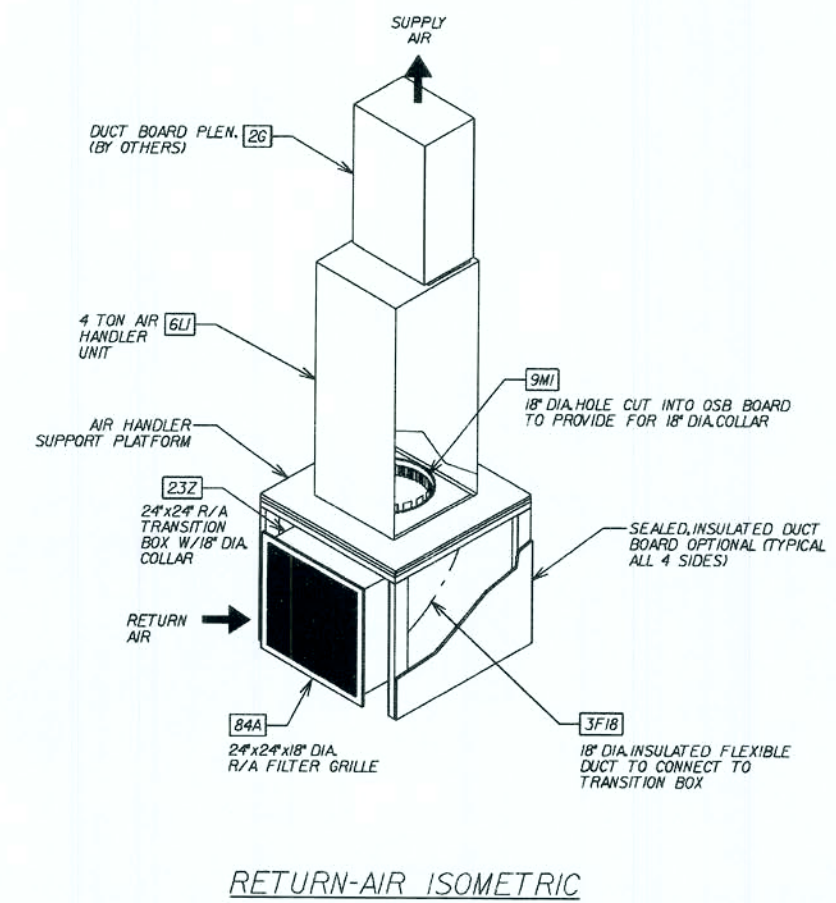
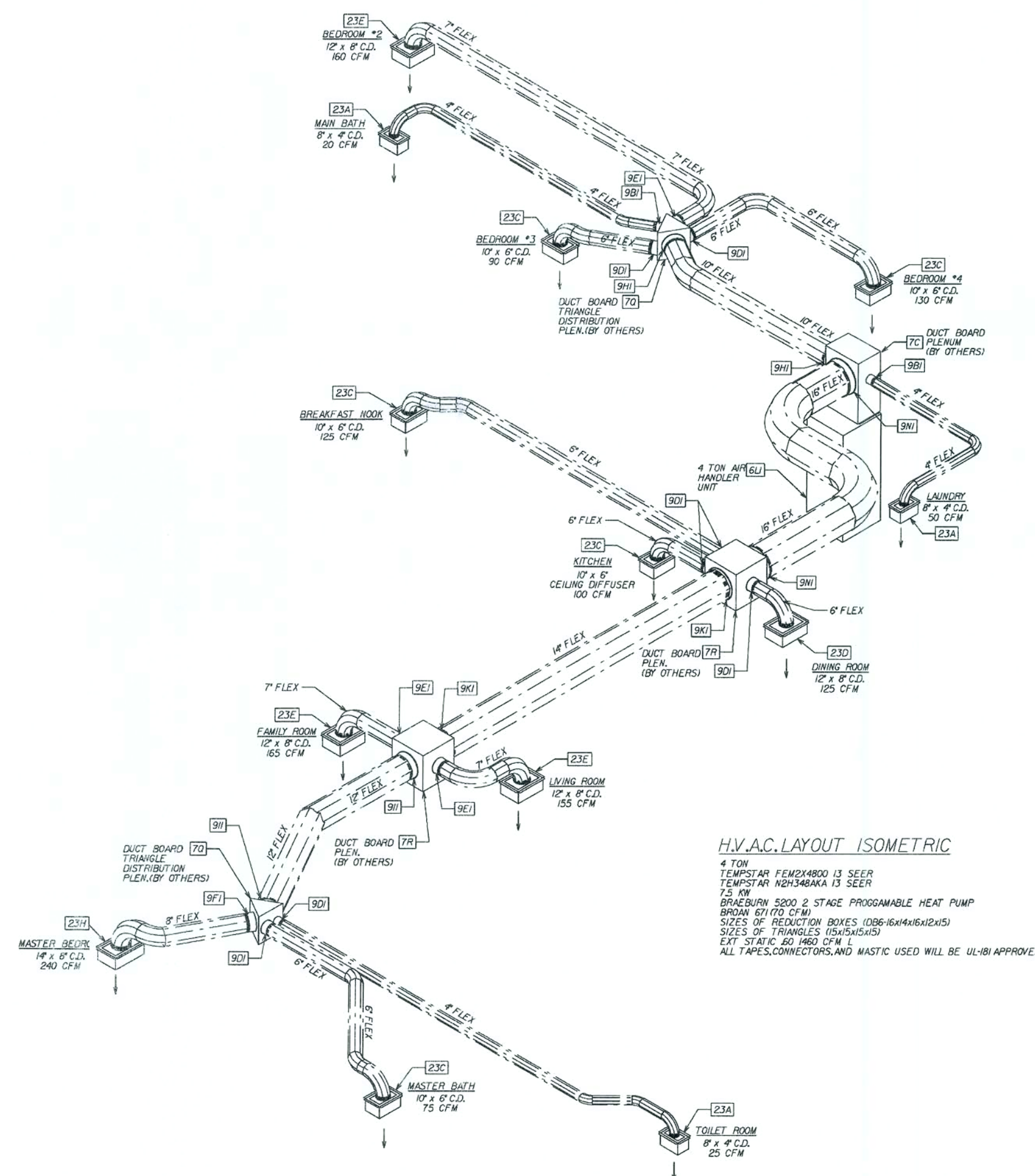
2805 MARONDA HOMES
1201 321-0864 4005 MARONDA WAY SAN DIEGO, CA 92108

AMERICANA	HVAC MECHANICALS
DAVENPORT	HVAC LAYOUT PLAN
DRWN BY:	BARNEE, RIGHT
RELEASE DATE:	01/19/05

SHEET:
HVA

* USE WITH 13 SEER EQUIP. *

* USE WITH 13 SEER EQUIP. *



hvac:cm REPORT
Wed Apr 12 10:42:52 2006
p1:#f1#houses 05#davenport#hvac#f1advph.htm

QUANTITY	DESCRIPTION
3	23A 150045.0035 8x4 CEILING BOOT W/4" DIA. COLLAR
3	23C 150045.0036 10x8 CEILING BOOT W/6" DIA. COLLAR
3	23D 150045.0038 12x8 CEILING BOOT W/6" DIA. COLLAR
3	23E 150045.0038 12x8 CEILING BOOT W/7" DIA. COLLAR
3	23H 150045.0039 14x8 CEILING BOOT W/8" DIA. COLLAR
1	232 150045.0046 24x24 R/A TRANSITION BOOT W/18" COLLAR
1	3F10 150040.0097 10" FOIL FLEX 45 R6
2	3F16 150040.0108 16" FOIL FLEX 90 R6
1	3F18 150040.0138 18" FOIL FLEX 90 SR R6
3	3F4 150040.0081 4" FOIL FLEX 45 R6
5	3F4 150040.0091 4" FOIL FLEX 90 R6
3	3F6 150040.0093 6" FOIL FLEX 45 R6
3	3F6 150040.0093 6" FOIL FLEX 90 R6
5	3F7 150040.0094 7" FOIL FLEX 90 R6
1	3F8 150040.0095 8" FOIL FLEX 45 R6
1	3F8 150040.0095 8" FOIL FLEX 90 R6
1	6L1 150005.0045 FEM24800A 13 SEER 4.0 TON AIR HANDLER UNIT
1	6R1 150010.0105 N2H348AKA 13 SEER 4.0 TON CONDENSER
1	7C 150005.0110 19x13x30" H BOX PLENUM
1	7D 150040.0118 DUCT PLENUM TRIANGLE
2	7R 150040.0111 18" SQUARE DUCT PLENUM
6	81A 150055.0041 24x4 TRANSFER GRILLE
2	81B 150045.0052 24x4 TRANSFER GRILLE FRAME
1	81C 150055.0078 24x8 TRANSFER GRILLE
1	81D 150045.0078 24x8 TRANSFER GRILLE FRAME
1	84A 150055.0032 24x24 RETURN AIR FILTER GRILLE
3	9B1 150040.0075 4" K-COLLAR/ROTH (4KC/413)
3	9D1 150040.0077 6" K-COLLAR/ROTH (6KC/413)
3	9E1 150040.0078 7" K-COLLAR/ROTH (7KC/413)
1	9F1 150040.0079 8" K-COLLAR/ROTH (8KC/413)
1	9H1 150040.0081 10" K-COLLAR/ROTH (10KC/413)
2	9I1 150040.0082 12" K-COLLAR/ROTH (12KC/413)
2	9K1 150040.0083 14" K-COLLAR/ROTH (14KC/413)
1	9M1 150040.0137 18" K-COLLAR/ROTH (18KC/413)
2	9N1 150040.0084 16" K-COLLAR/ROTH (16KC/413)

Hvac:cm REPORT
Tue Apr 11 14:17:26 2006
p1:#f1#houses 05#davenport#hvac#f1advph.htm

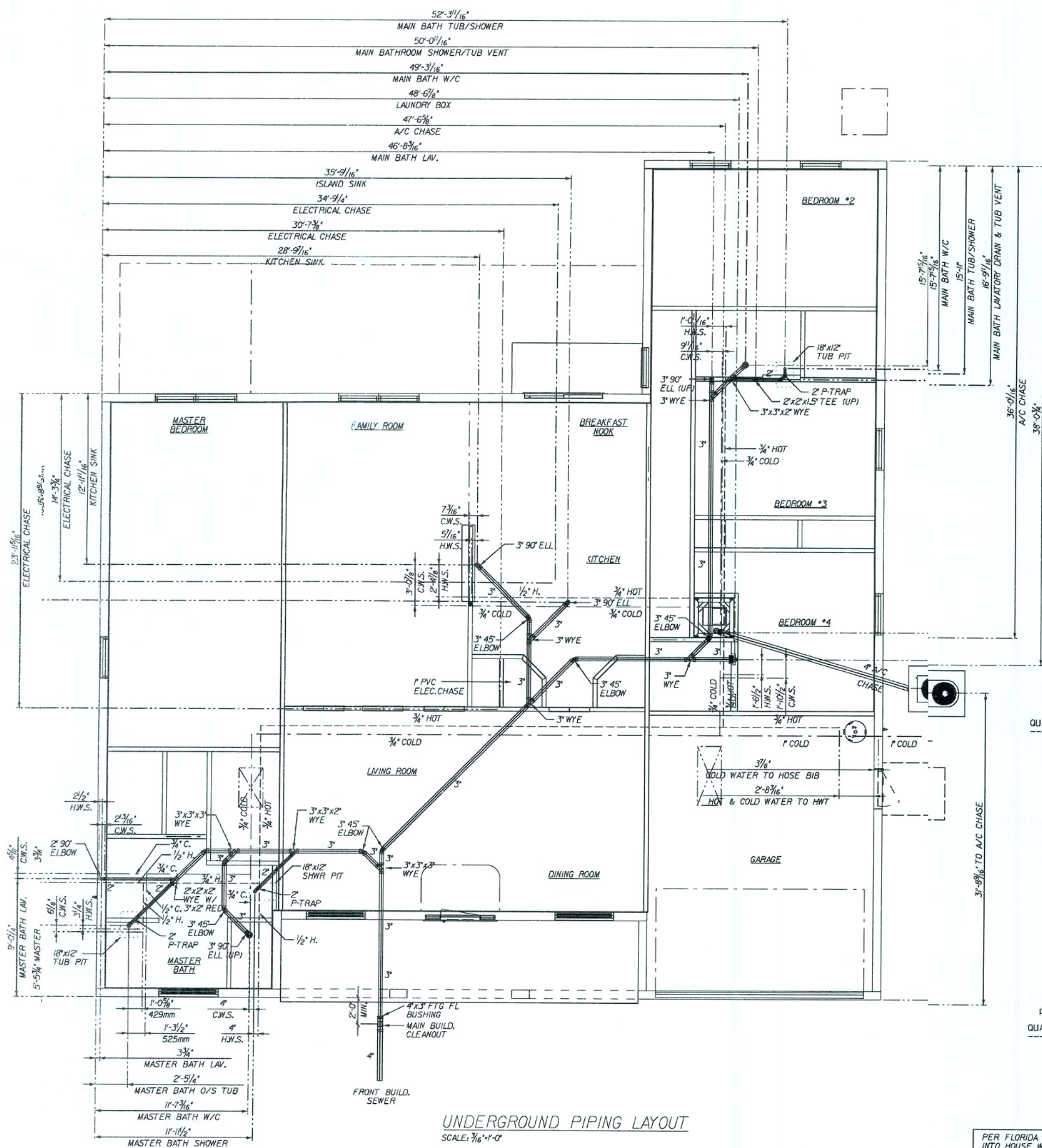
QUANTITY	DESCRIPTION
8'	3F10 150040.0097 10" FOIL FLEX R6
10'	3F12 150040.0098 12" FOIL FLEX R6
14'	3F14 150040.0099 14" FOIL FLEX R6
9'	3F16 150040.0108 16" FOIL FLEX R6
1'	3F18 150040.0138 18" FOIL FLEX R6
35'	3F4 150040.0091 4" FOIL FLEX R6
33'	3F6 150040.0093 6" FOIL FLEX R6
18'	3F7 150040.0094 7" FOIL FLEX R6
3'	3F8 150040.0095 8" FOIL FLEX R6

REV/ISSUES:
1
J. REV. H.T.G. 05/11/23/05/1 J.T.
C/H-006 REVISED AS PER DNGS.T.M
FLOIDA
JAN 05/05
4005 MARIONA WAY
JAN 05/05

Marionna Homes
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14001 331-0864
4005 MARIONA WAY
JAN 05/05

AMERICANA HVAC MECHANICALS
DAVENPORT
HVAC ISOMETRIC LAYOUT
DRAWN BY: GARAGE, RIGHT
RELEASE DATE: 01/19/05
114907

SHEET:
ISO-H
PLOT DATE: 14 NOV 2007



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

plumitem REPORT
Fr: Oct 13 10:53:53 2006
p: #f:\houses 05\davenport\plumbing\dvpp.ugp

QUANTITY	DESCRIPTION
1	14C 130005.0041 2" PVC 90 ELBOW
6	14D 130005.0066 3" PVC 90 ELBOW
14E	130005.0085 4" PVC 90 ELBOW
1	18E 130005.0076 3" PVC 45 WYE
18G	130005.0063 3"x3"x2" PVC 45 WYE
18	130005.0099 4"x3" GLOSET FLANGE
21D	130005.0064 3" PVC 45 ELBOW
231	130005.0034 2"x2"x1.5" PVC TEE
1	24B 130005.0150 4" 2-WAY CLEANOUT TEE
29H	130005.0289 4x4 FEM ADPTR W/ C/O PLG.
4B	130005.0032 2x1.5" FTG FL BUSHING
1	4D 130005.0059 3x2 FTG FL BUSHING
4F	130005.0098 4x3 FTG FL BUSHING
7	56A 150060.0199 1/2" CPVC 90 ELBOW
8	56B 130010.0007 3/4" CPVC 90 ELBOW
56C	130010.0057 1" CPVC 90 ELBOW
64B	130010.0013 3/4" CPVC TEE
2	64E 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 1x3/4"x3/4" CPVC TEE
1	67DA 130005.0105 1/2" WATCO TUB OVERFLOW ASSEMBLY
1	6B 130005.0046 2" P-TRAP Part A
6B	130005.0046 2" P-TRAP Part B
2	6B 130005.0046 2" P-TRAP

Plumnth REPORT
Fr: Oct 13 10:53:53 2006
p: #f:\houses 05\davenport\plumbing\dvpp.ugp

QUANTITY	DESCRIPTION
19'	130005.0023 1.5" PIPE
109'	130005.0047 2" PVC PIPE
22'	130005.0072 3" PVC PIPE
225'	130005.0091 4" PIPE
30'	130010.0012 3/4" CPVC PIPE
18	130010.0025 5" CPVC PIPE
1	130010.0056 1" CPVC PIPE

PER FLORIDA PLUMBING CODE: ALL WATER INTO HOUSE WILL RUN ON P-CVPC TO FIRST FUTURE GROUP.
REVISED 10-03-06

PER FLORIDA PLUMBING CODE: ALL DWV THROUGH FOOTERS WILL BE SLEEVED
REVISED 08-15-05

REVISIONS:

04/07/06	REVISED AS PER DMS.TJM
08/08/06	REVISED & BOM TJM
10/13/06	REVISED SHOWER VENT TJM

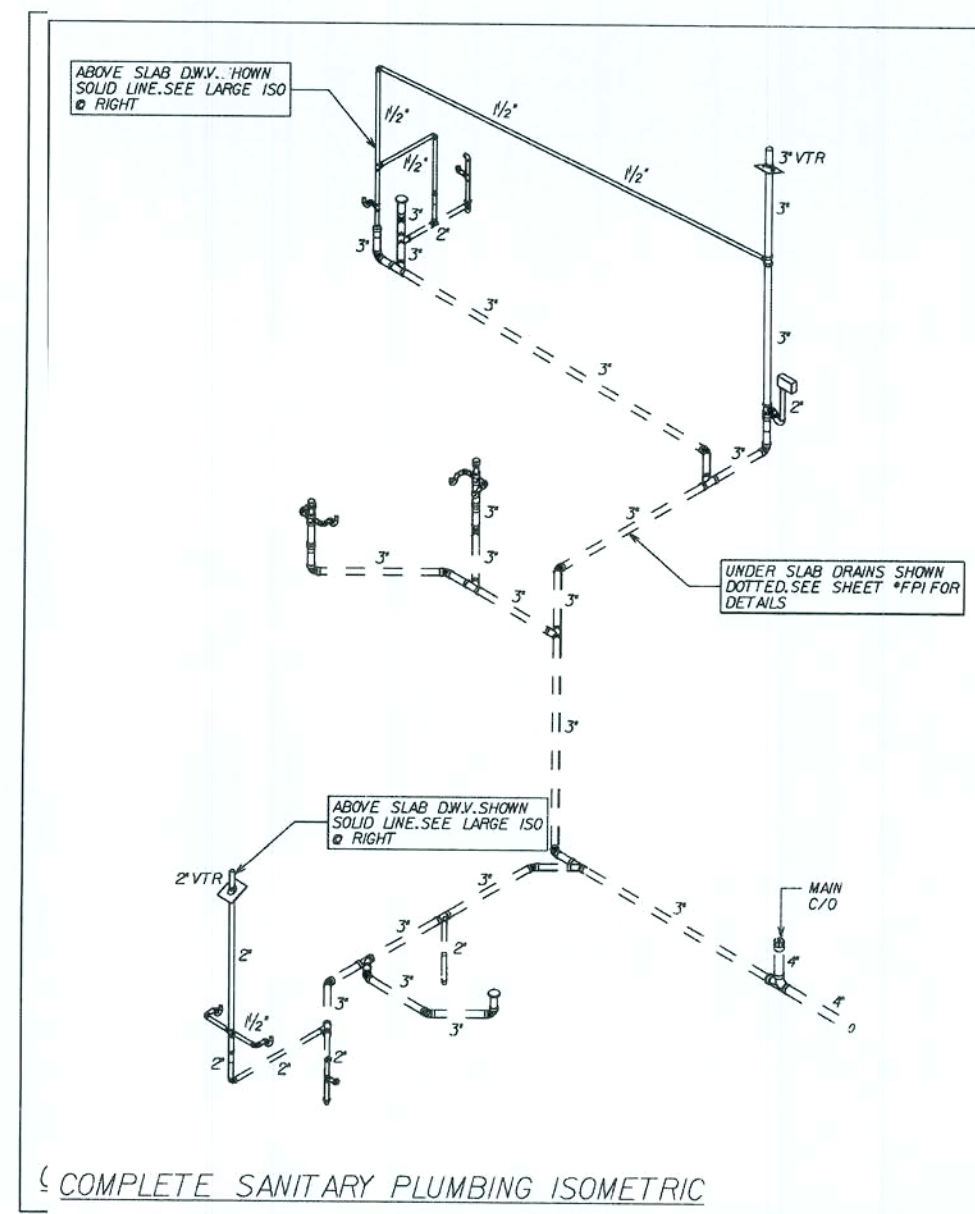
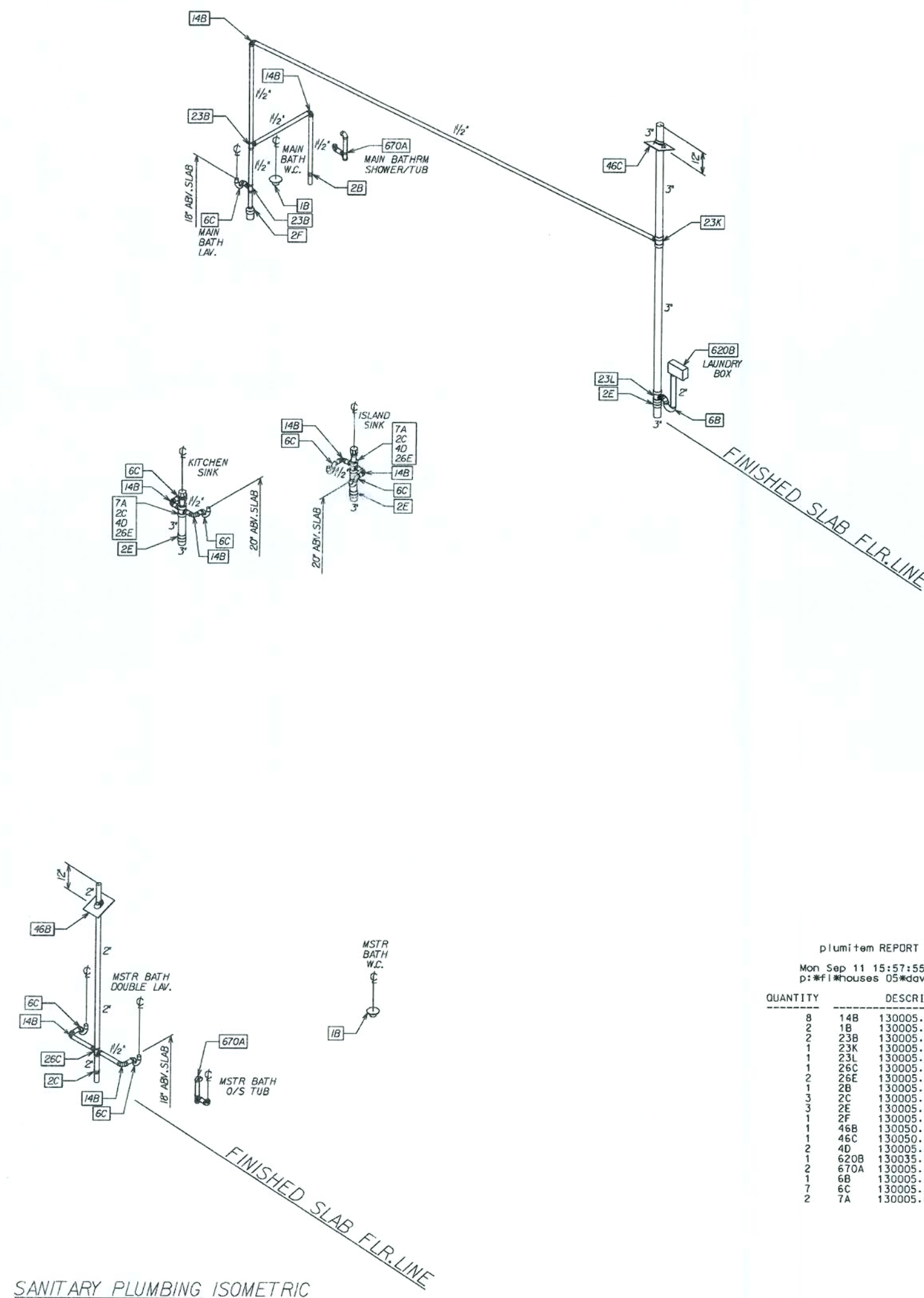
Maronda Homes
1471 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

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AMERICANA UNDERGRND PIPING
DAVENPORT
UNDERGROUND PLUMBING LAYOUT
DRAWN BY: GARAGE, RIGHT
RELEASE DATE: 01/19/05

SHEET: **FPI**

CUT DATE: 14 NOV 2007



plumitem REPORT
Mon Sep 11 15:57:55 2006
p:\fl\houses 05\davenport\plumbing\fladvpp.plm

QUANTITY	DESCRIPTION
8	14B 130005.0013 1.5" PVC 90 ELBOW
2	1B 130005.0099 4"x3" CLOSET FLANGE
2	23B 130005.0024 1.5" PVC TEE
1	23K 130005.0056 1.5" PVC TEE
1	23L 130005.0062 1.5" PVC TEE
1	26C 130005.0133 2"x2"x1.5" DOUBLE TEE
2	26E 130005.0132 2"x2"x1.5" DOUBLE TEE
1	2B 130005.0017 1.5" PVC COUPLING
1	2C 130005.0043 1.5" PVC COUPLING
3	2E 130005.0068 1.5" PVC COUPLING
1	46B 130005.0055 3x1.5 PVC REDUCER COUPLING
1	46C 130050.0028 5" NEOPRENE ROOF FLASHING
2	4D 130005.0058 5" NEOPRENE ROOF FLASHING
1	620B 130035.0027 1.5"x2" FTO FL BUSHING
2	670A 130005.0105 1 1/2" WATCO TUB OVERFLOW ASSEMBLY
1	6B 130005.0046 2" P-TRAP
7	6C 130005.0107 1.5"x1.25" P-TRAP W/UNION JT
2	7A 130005.0160 1.25-2" STUDOR MINI-VENT

PlumInth REPORT
Mon Sep 11 15:57:55 2006
p:\fl\houses 05\davenport\plumbing\fladvpp.plm

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

REVISIONS:

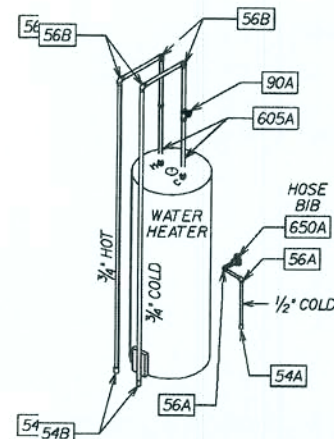
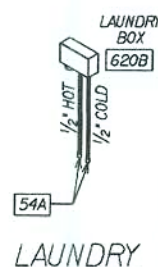
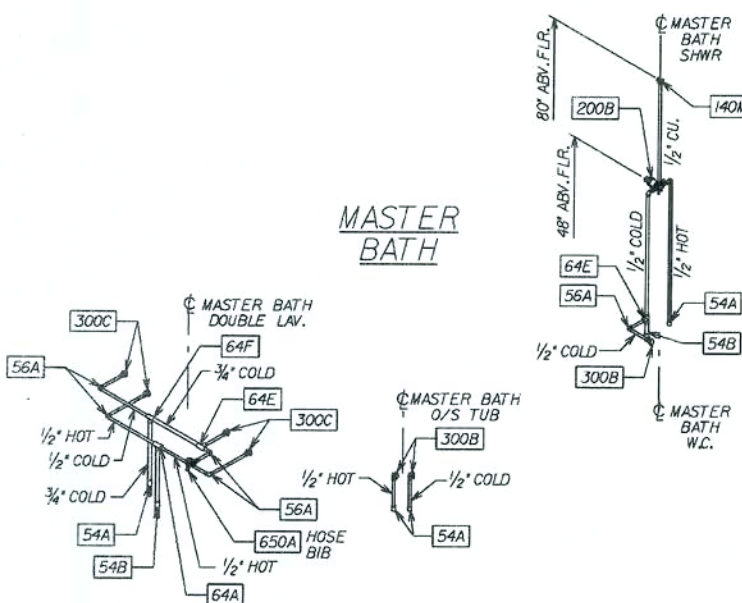
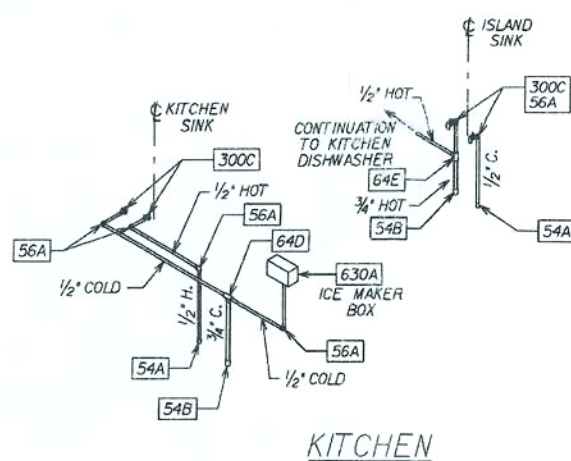
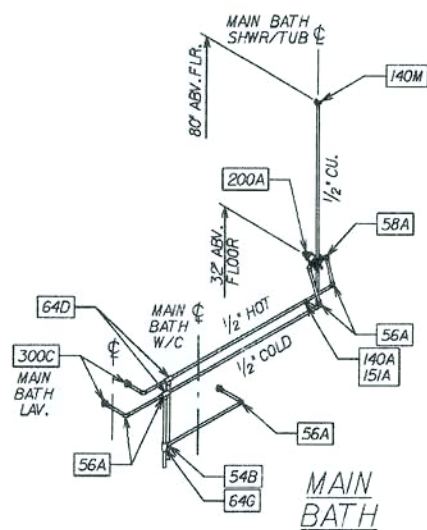
NO.	DATE	DESCRIPTION
04/07/06	REVISED AS PER DWGSET	
09/11/06	REVISED AS PER DWGSET	
10/13/06	REVISED AS PER DWGSET	

Maronda Homes
1001 311-0884
4005 MARONDA WAY
SANFORD, FL 32759

AMERICAN PLUMBING ISOMETRIC
DAVENPORT
PLUMBING ISOMETRIC
DRAWN BY: GAPAGE, RIGHT
RELEASE DATE: 01/19/05

SHEET:
ISO-P

PLUT DATE: 14 NOV 2007



Plumitem REPORT

Fri Apr 07 16:13:24 2006
p:\fl\houses 05\adavenport\plumbing\fladvp.wtr

QUANTITY	DESC	DESCRIPTION
1	140A	1300225.0017 1/2" COPPER 90 ELBOW
2	140M	1300225.0051 1/2" COPPER 90 ELBOW Drop
1	151A	1300225.0020 1/2" COPPER MALE ADAPTER
1	200A	1300335.0061 Tub Diverter
1	200B	1300110.0049 Shower Diverter
12	300C	1300110.0046 1/2" x 3/8" Angle Valve
8	54A	1300110.0022 1/2" CPVC COUPLING
20	54B	1300110.0009 3/4" CPVC COUPLING
4	56A	1300110.0099 1/2" CPVC 90 ELBOW
4	56B	1300110.0007 3/4" CPVC 90 ELBOW
2	605A	1300510.0027 1/2" CPVC 90 ST. ELBOW
1	620B	1300335.0047 Corr Gas App Conn
1	630A	1300335.0027 Laundry Box Right
4	64D	1300110.0057 Ice Maker Box
3	64E	1300110.0096 1/2x1/2x3/4 CPVC TEE
1	64F	1300110.0035 3/4"x1/2"x1/2" CPVC TEE
1	64G	1300110.0037 3/4"x1/2"x3/4" CPVC TEE
1	64H	1300110.0005 3/4"x3/4"x1/2" CPVC TEE
2	650A	1300510.0109 1/2" Hose Bib
2	66B	1300110.0010 3/4" CPVC MALE ADAPTER BRASS THREADS
1	90A	1300335.0080 Shut-Off Valve

Plumint REPORT

Fri Apr 07 16:13:24 2006
p:\fl\houses 05\adavenport\plumbing\fladvp.wtr

QUANTITY	DESC	DESCRIPTION
32'	1300110.0012	3/4" CPVC PIPE
55'	1300110.0025	.5" CPVC PIPE
8'	1300225.0006	1/2" COPPER PIPE

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

REVISED 10-03-06

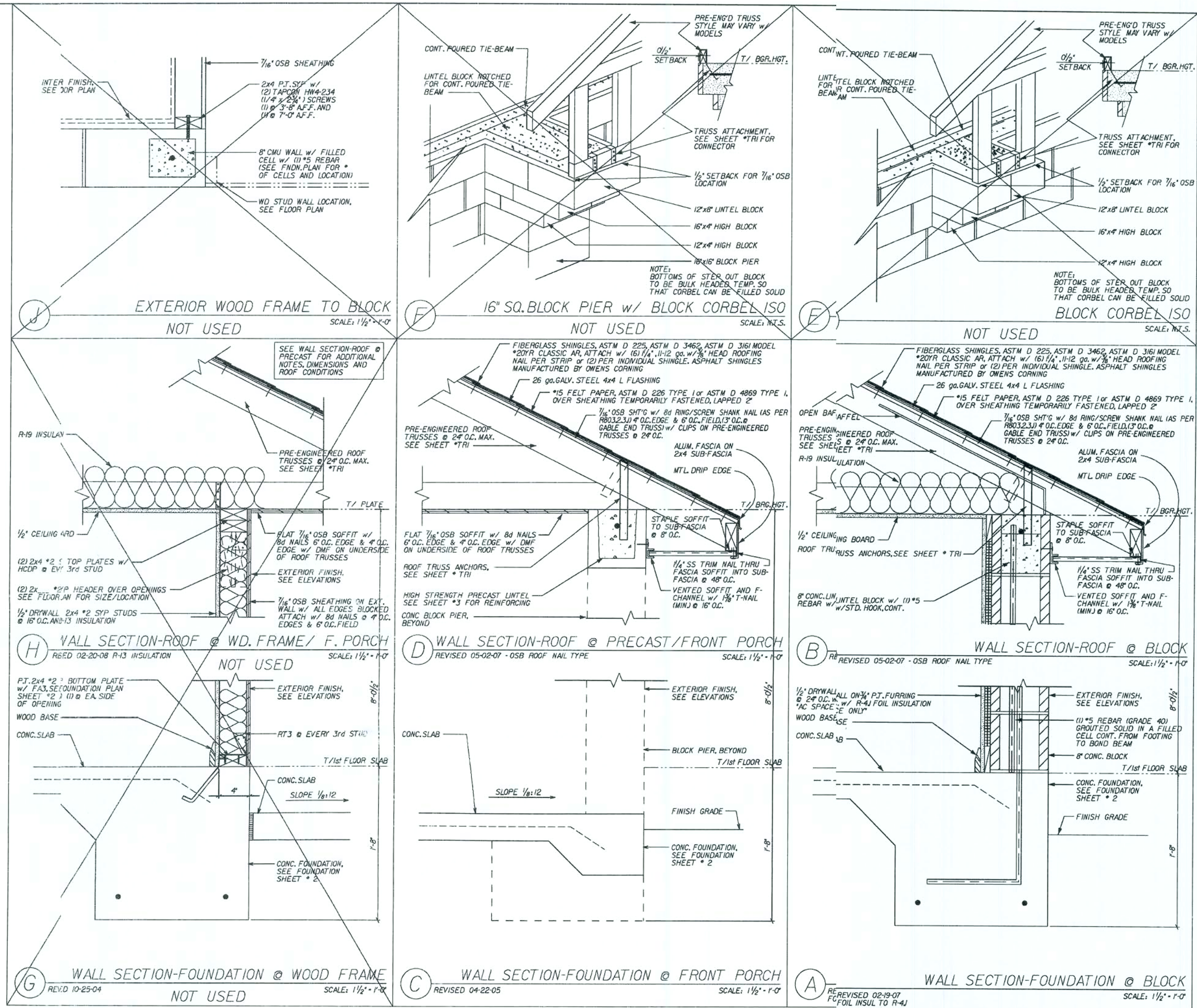
REVISIONS	DATE	BY	REASON
04/07/06	REVISED AS PER DWGSET.M		

Maronda Homes
DAVENPORT
1071 321-0064
4002 MARONDA WAY
SAINT PETERS, FLORIDA 33786
FLORIDA PLUMBING WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA PLUMBING CODE, 2001, RESIDENTIAL PLUMBING CODE, 2001.

AMERICANA WATER ISOMETRIC
DAVENPORT
WATER LINES ISOMETRIC
DRAWN BY: GARAGE, RIGHT
RELEASE DATE: 01/19/05
H4954

SHEET:
ISO-W

PLOT DATE: 14 NOV 2007



REVISIONS:

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

DA VENPORT
ONE STORY WALL SECTIONS

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

Elmer Bergmann, P.E.
License No. 50158
AUG 04 2008

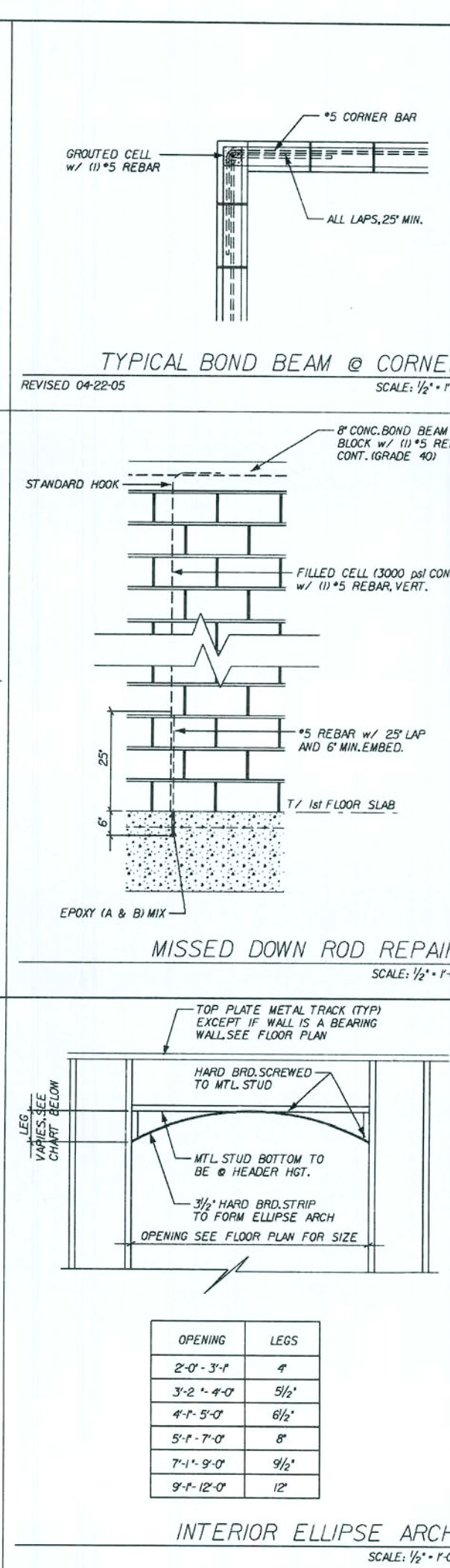
SHEET:
WS-B1

DATE: 04-22-05
DRAWN BY: [Signature]
RELEASE DATE: 04-22-05
PLOT DATE: 30 MAY 2008

The image contains four architectural detail drawings arranged in a 2x2 grid, showing transitions between different floor materials at corners.

- Top Left: CERAMIC TILE TO CARPET**
 - OUTSIDE CORNER:** Shows a quarter-circle transition from a tiled area to a carpeted area. The transition is labeled with a radius $R = 1/2"$. The tiled area is labeled "CER. TILE" and the carpeted area is labeled "CARPET".
 - INSIDE CORNER:** Shows a quarter-circle transition from a tiled area to a carpeted area. The transition is labeled with a radius $R = 1/2"$. The tiled area is labeled "CER. TILE" and the carpeted area is labeled "CARPET".
- Bottom Left: VINYL TO CARPET**
 - OUTSIDE CORNER:** Shows a quarter-circle transition from a vinyl floor to a carpeted area. The transition is labeled with a radius $R = 1/2"$. The vinyl area is labeled "VINYL" and the carpeted area is labeled "CARPET".
 - INSIDE CORNER:** Shows a quarter-circle transition from a vinyl floor to a carpeted area. The transition is labeled with a radius $R = 1/2"$. The vinyl area is labeled "VINYL" and the carpeted area is labeled "CARPET".

At the bottom right, there is a scale: $SCALE: 1/2" = 1'-0"$.

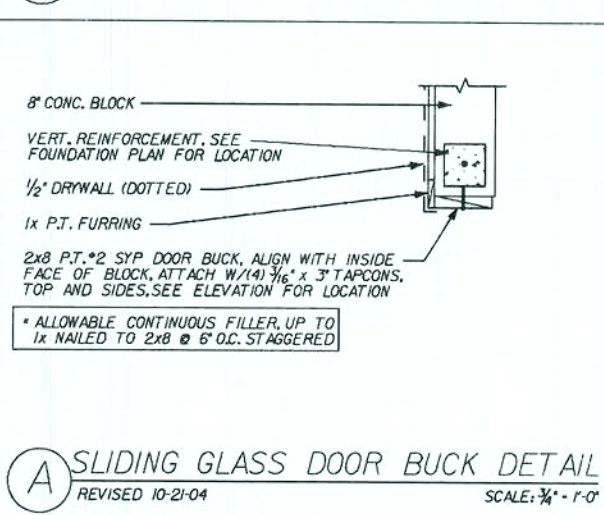
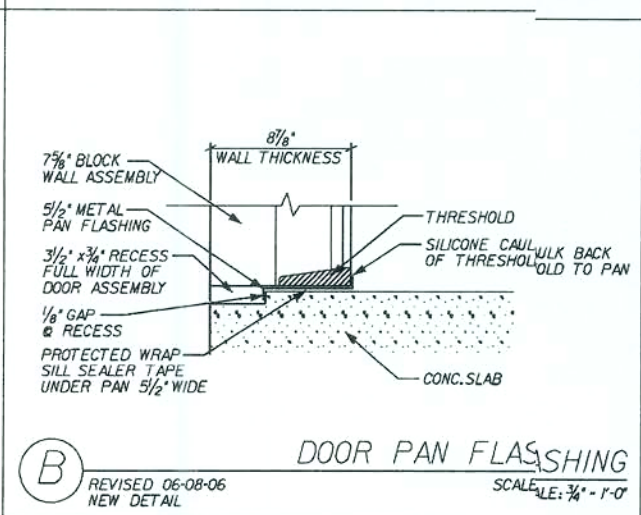
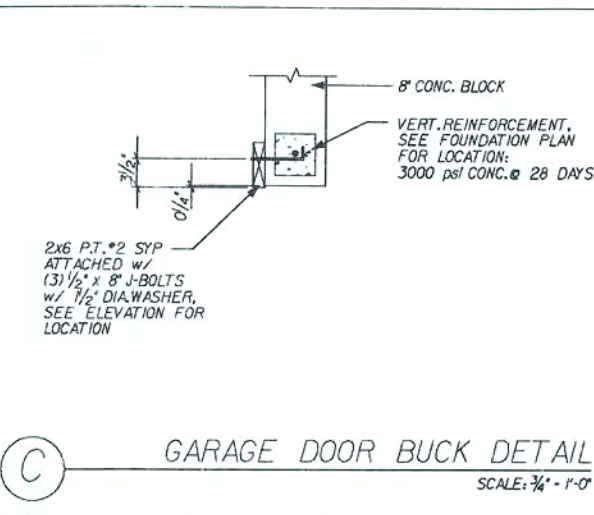
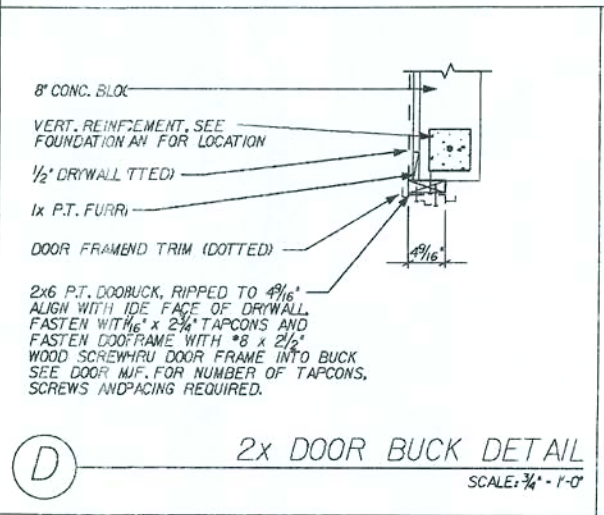
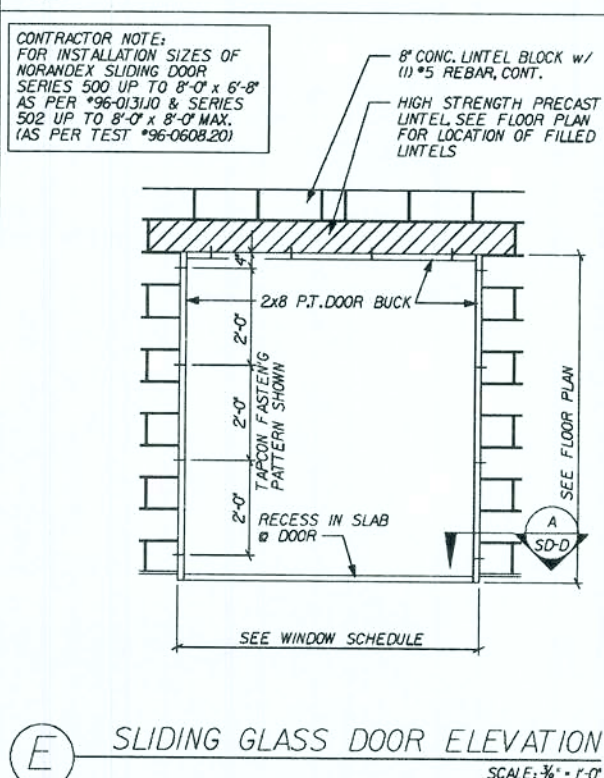
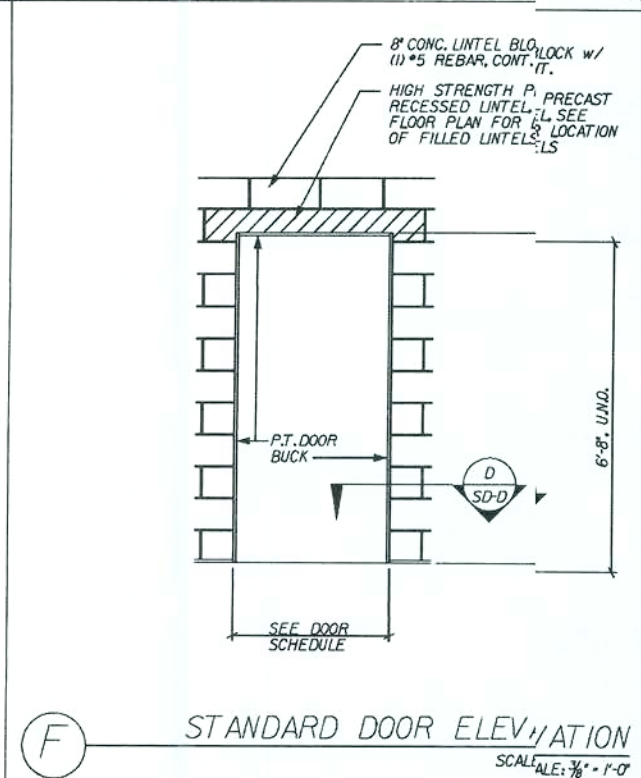
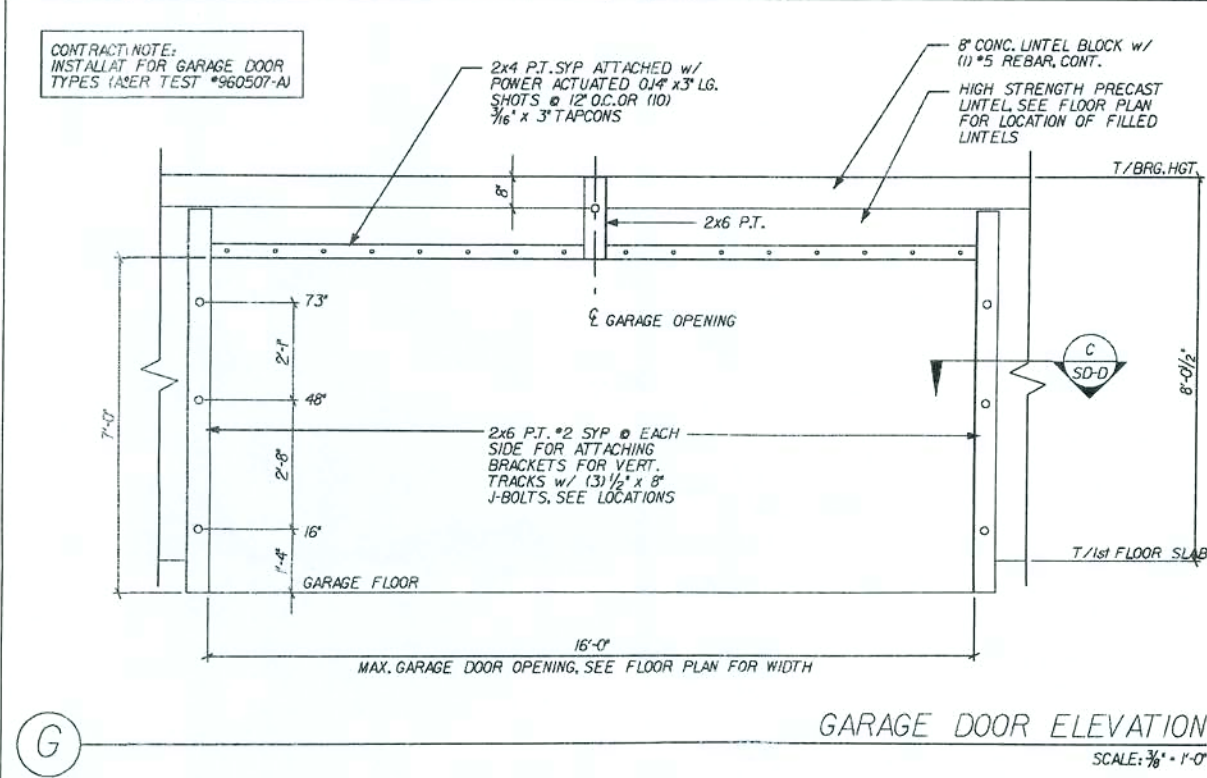
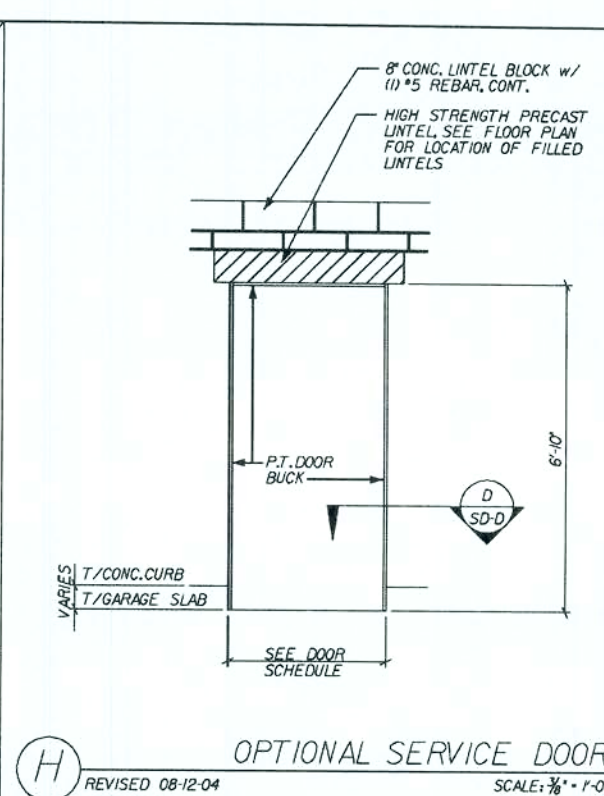
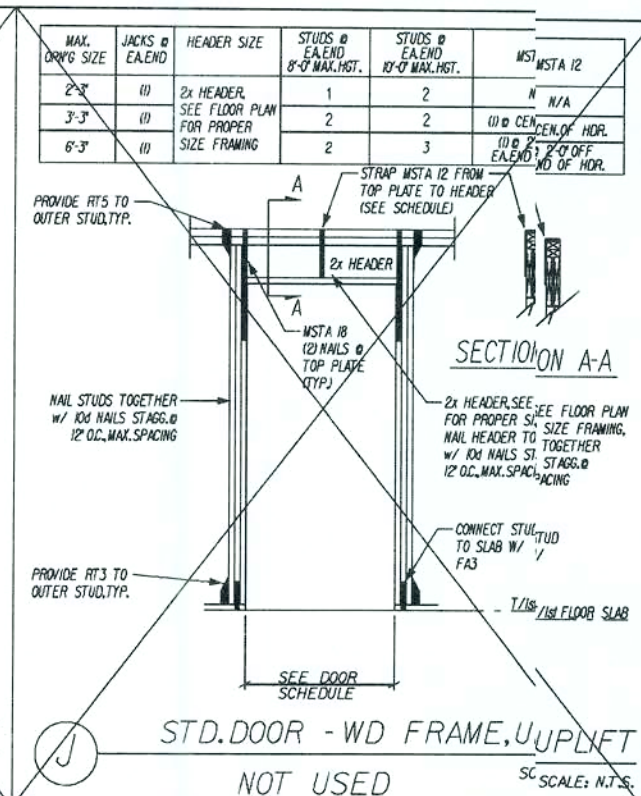
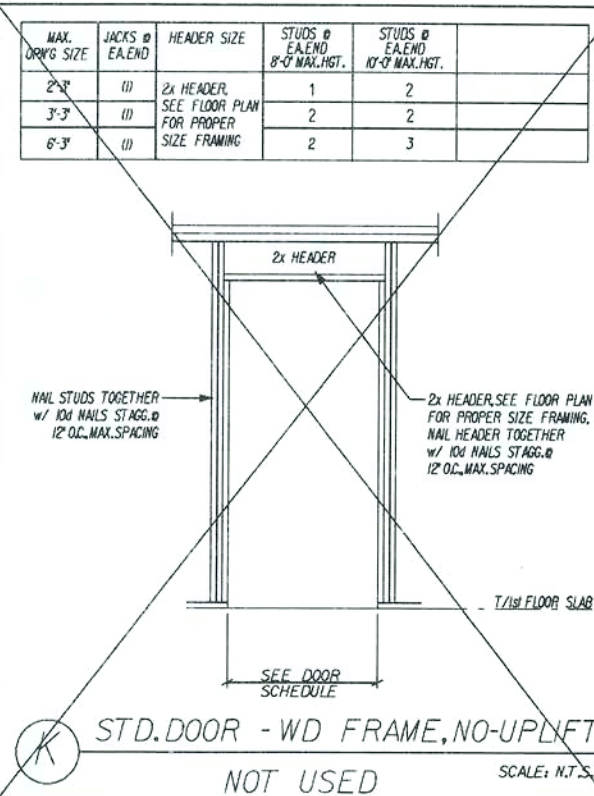


REVISED 02-15-07
83% -> 82%

DOOR SCHEDULE

DOOR TY	ACTUAL SIZE	ROUGH FRAME OPENING	ROUGH BLOCK OPENING 2" BUCK
2-0 STANDARD	25 1/2" x 80 3/4"	26" x 80 3/4"	29" x 82 1/4"
2-8 STANDARD	33 1/2" x 80 3/4"	34" x 80 3/4"	37" x 82 1/4"
2-10 STANDARD	35 1/2" x 80 3/4"	36" x 80 3/4"	39" x 82 1/4"
3-0 STANDARD	37 1/2" x 82"	38" x 82 1/4"	41" x 82 1/4"
3-0 W/SIDE LIGHTS	51 1/2" x 82"	52 1/2" x 82 1/4"	55 1/2" x 82 1/4"
3-0 W/1/2 SIDE LT. I.S.	64 1/2" x 82"	65" x 82 1/4"	68" x 82 1/4"
5-8 (2-10 FRI) I.S.	70 1/2" x 80 3/4"	71" x 80 3/4"	74" x 82 1/4"

** FINISHING IS DETERMINED BY ACTUAL SIZE 1/4" FOR HEIGHT
** FINISHING IS DETERMINED BY ACTUAL SIZE 1/2" FOR WIDTH
** U.S. DWG
** I.S. - INCH



REVISIONS:

NO.	DATE	DESCRIPTION
06-29-06	ADDED DOOR PAN DETAIL	

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

AMERICAN STANDARD DETAILS
DAVENPORT

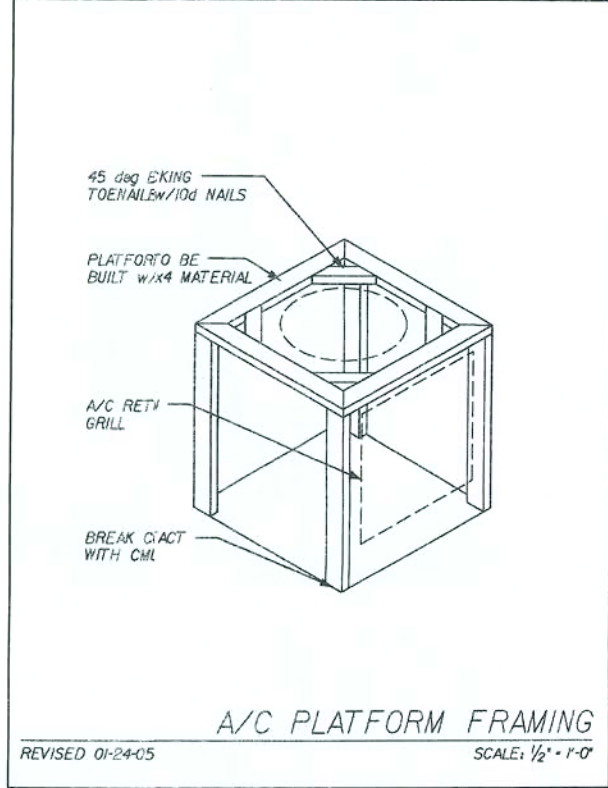
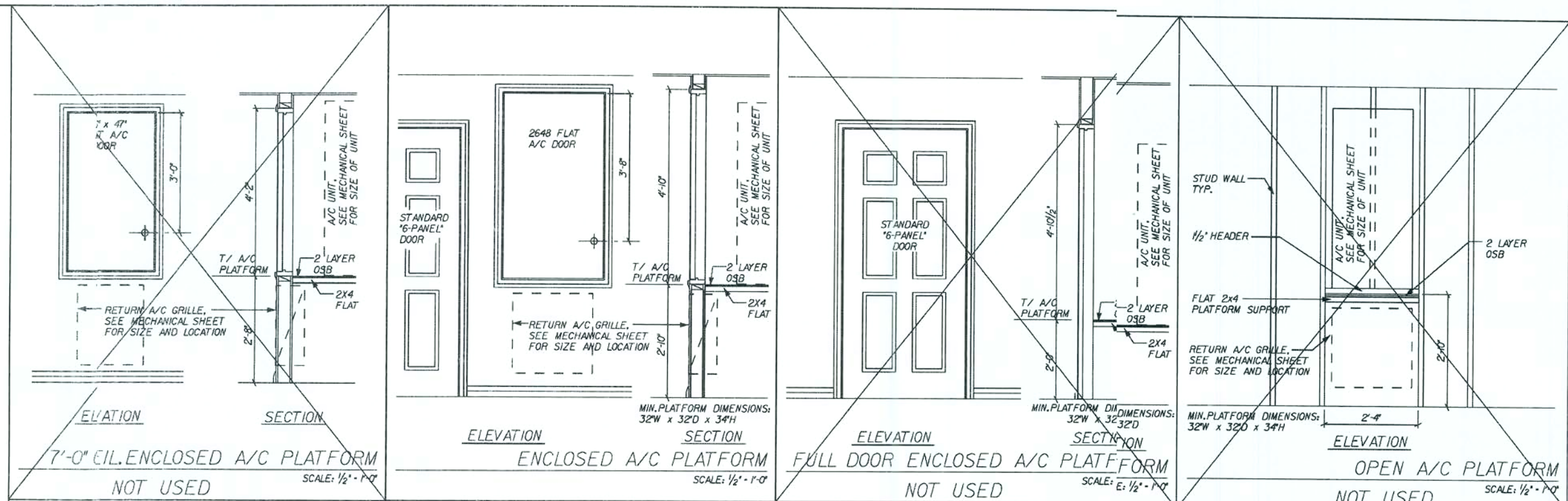
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407) 321-0064

Elmer Bergmark, P.E.
License No. 50158
AUG 04 2008

SHEET: **SDD**

DATE: 30 MAY 2008

PLOT DATE: 30 MAY 2008



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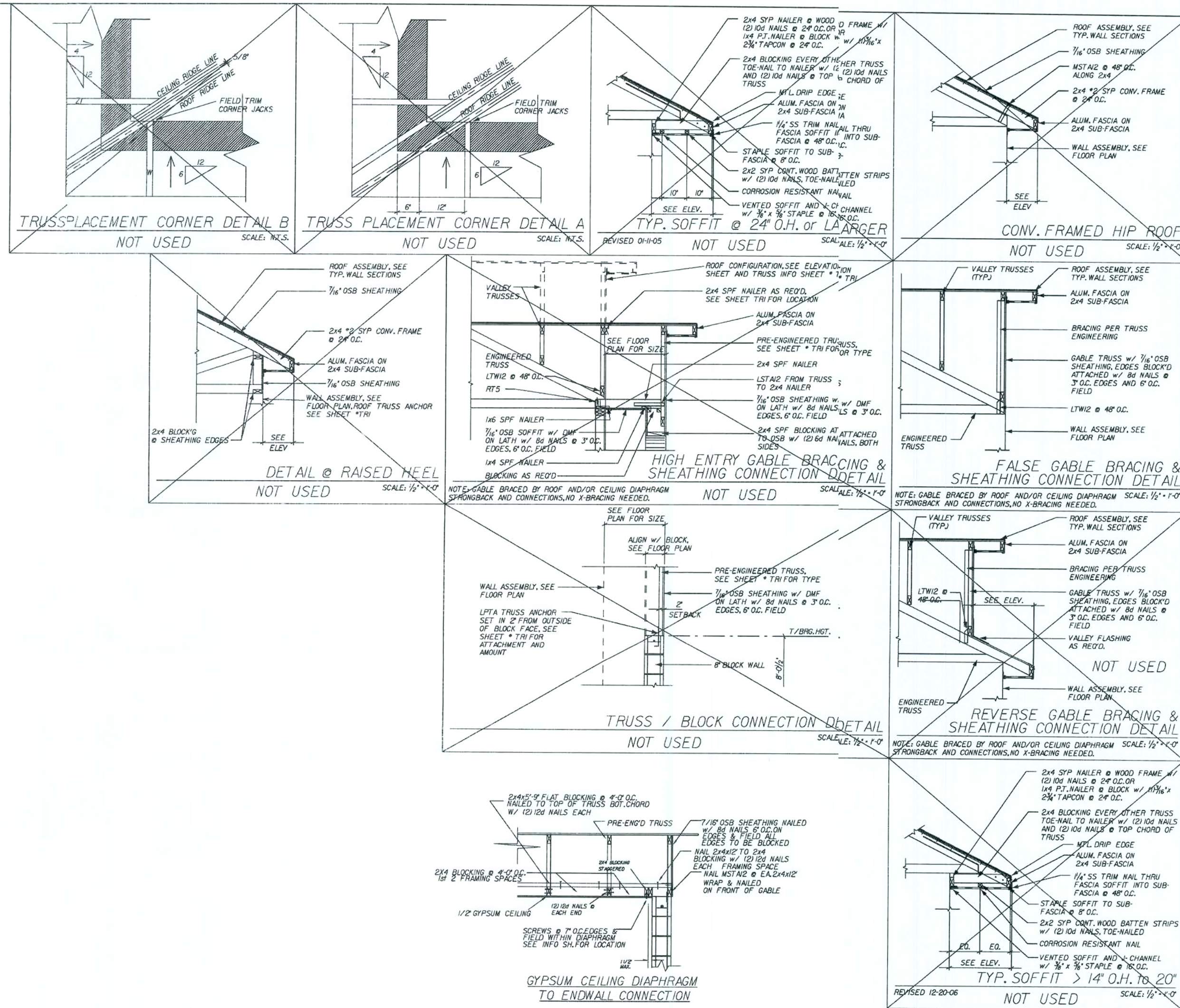
Maronda Homes
1071 321-0064
4005 MARONDA WAY SANFORD, FL 32771
FLORIDA
REGISTERED PROFESSIONAL ARCHITECT
EXPIRATION DATE 12/31/2008
RECEIVED AT MARONDA HOMES
DATE 08/04/2008

PLATFORM STANDARD DETAILS
DA VENTPORT
DRAWN BY: GARAGE
RELEASE DATE: 09-01-04
143348

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

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AUG 04 2008

SHEET:
SD-H
PLOT DATE: 30 MAY 2008



REVISIONS:

07-27-06	ADD ENDWALL CORN.
----------	-------------------

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STANDARD DETAILS

DAVENPORT

ROOF

Drawn By: [Signature]

Release Date: 04-22-05

143368

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(407) 321-0064

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License No. 50158
AUG 04 2008

SHEET:
SD-R

PLOT DATE: 30 MAY 2008

THIS DRAWING WAS PRINTED BY USING THE THERMAN Wood SOFTWARE AND HAS BEEN REVIEWED BY SE, DS, ST, MF, JG, TP, EB, DR, TY AND TT.

GENERAL PORCH NOTES:

ALL FOOTING REBAR SHALL BE CONTINUOUS (2) #5 BARS GRADE 40 STEEL W/ 3" MIN. COVERAGE, U.N.D.

ALL VERTICAL REBAR, DOWN REBAR, DOWEL REBAR AND BOND BEAM REINFORCEMENT SHALL BE #5 BARS GRADE 40 STEEL

PLUMBING PASSING UNDER OR THROUGH A FOOTING SHALL BE ENCASED IN A PIPE TWO (2) SIZES LARGER THAN THE PLUMBING PIPE.

■ - INDICATES A FILLED CELL WITH REBAR
□ - INDICATES A FILLED CELL WITHOUT REBAR
ALL CONCRETE GROUTED CELLS FILLED W/ 3000 PSI CONCRETE SHALL BE CLEAR UNOBSTRUCTED CONTINUOUS 3" x 3" MIN. CELLS W/ (1) #5 BAR GRADE 40 STEEL TIED AT FOOTING UNTEL STEEL. PROVIDE INSPECTION HOLE AT BOTTOM OF GROUTED CELL STACK.
ALL RAFTERS ARE TO BE 2x8 #2 SYP PRESSURE TREATED WOOD @ 24" O.C.

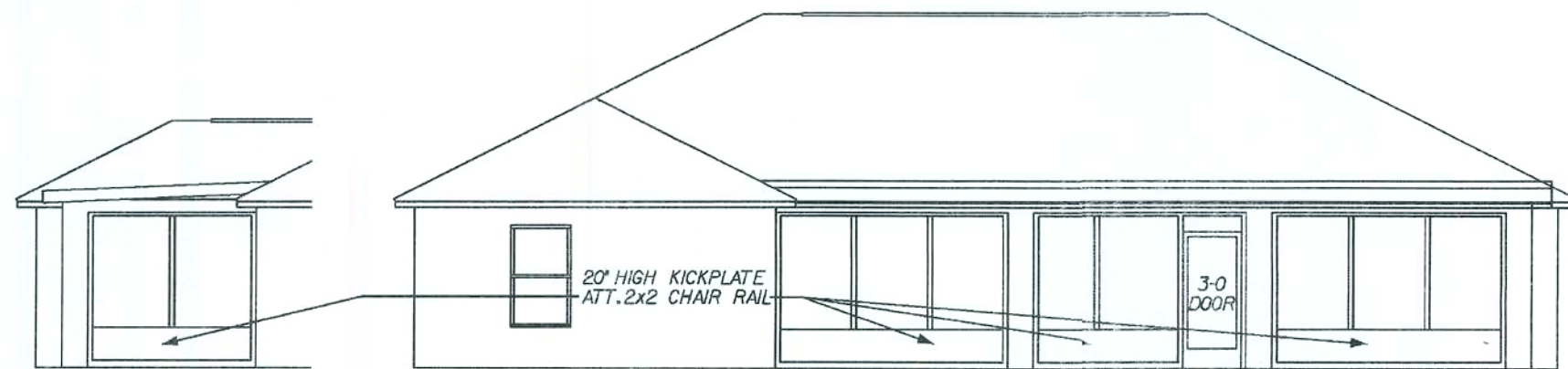
TYPICAL CONCRETE SB: 3 1/2" DEEP POURED 2500 PSI CONCRETE SLAB W/ 6x6 10' WIRE OR FIB MESH ON VISQUEEN VAPOR BARRIER W/ L JOINTS TAPED OVER CLEAN COMPACTED (2000 PSI, MIN) TERMITE TREATED IL.

COLUMNS TO BE 7 1/2" INCRETE BLOCK MAX DIST. BETWEEN J.M. POSTS IS 4'-8"
ALL WOOD NOT SEPEITED FROM AND/OR IN DIRECT CONTACT WIT CONCRETE OR MASONRY SHALL BE "PRESSURE TREATED WOOD"

SEE UNTEL CHART FOR UNTEL SIZES OVER OPENINGS. PRECAST UNTELS BY CAST-CRETE.

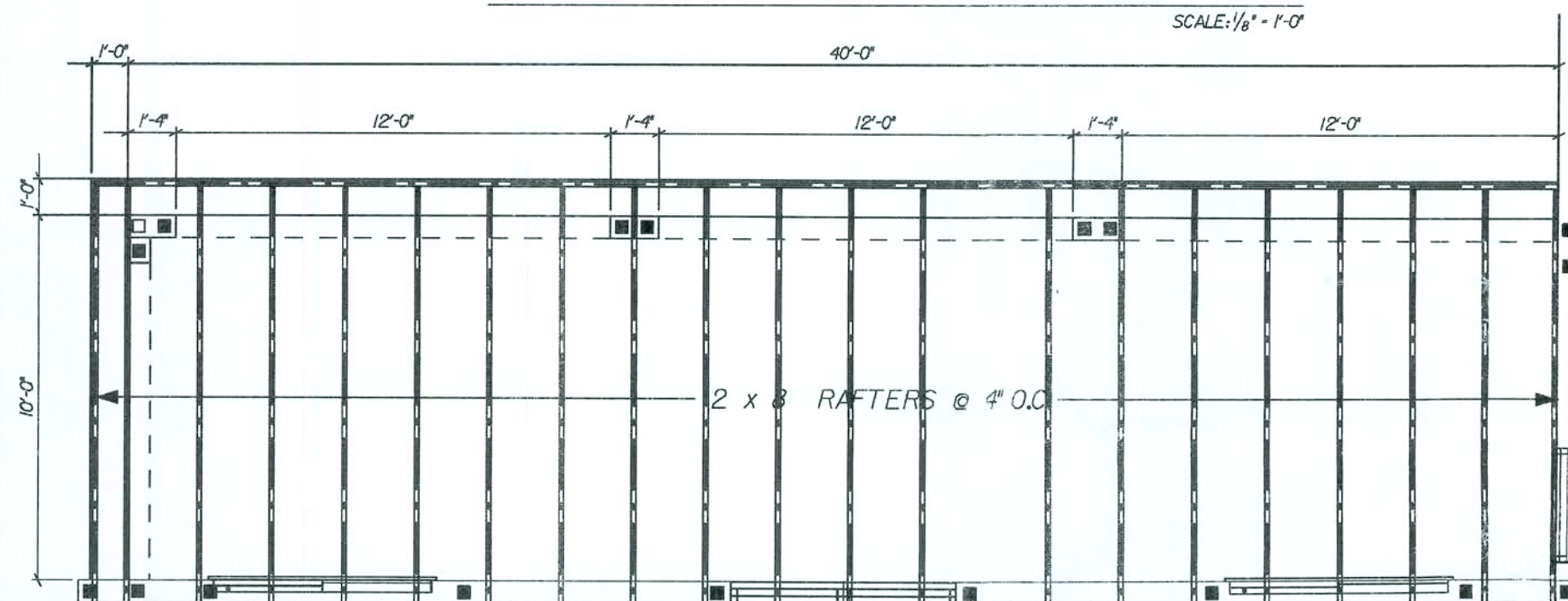
THIS PORCH IS NOT AN ENCLOSED PORCH. THIS PORCH CAN BE SCREENED ONLY.

SEE DRAWING SHEET #2 FOR ALL OTHER DOWNCELL LOCATIONS.



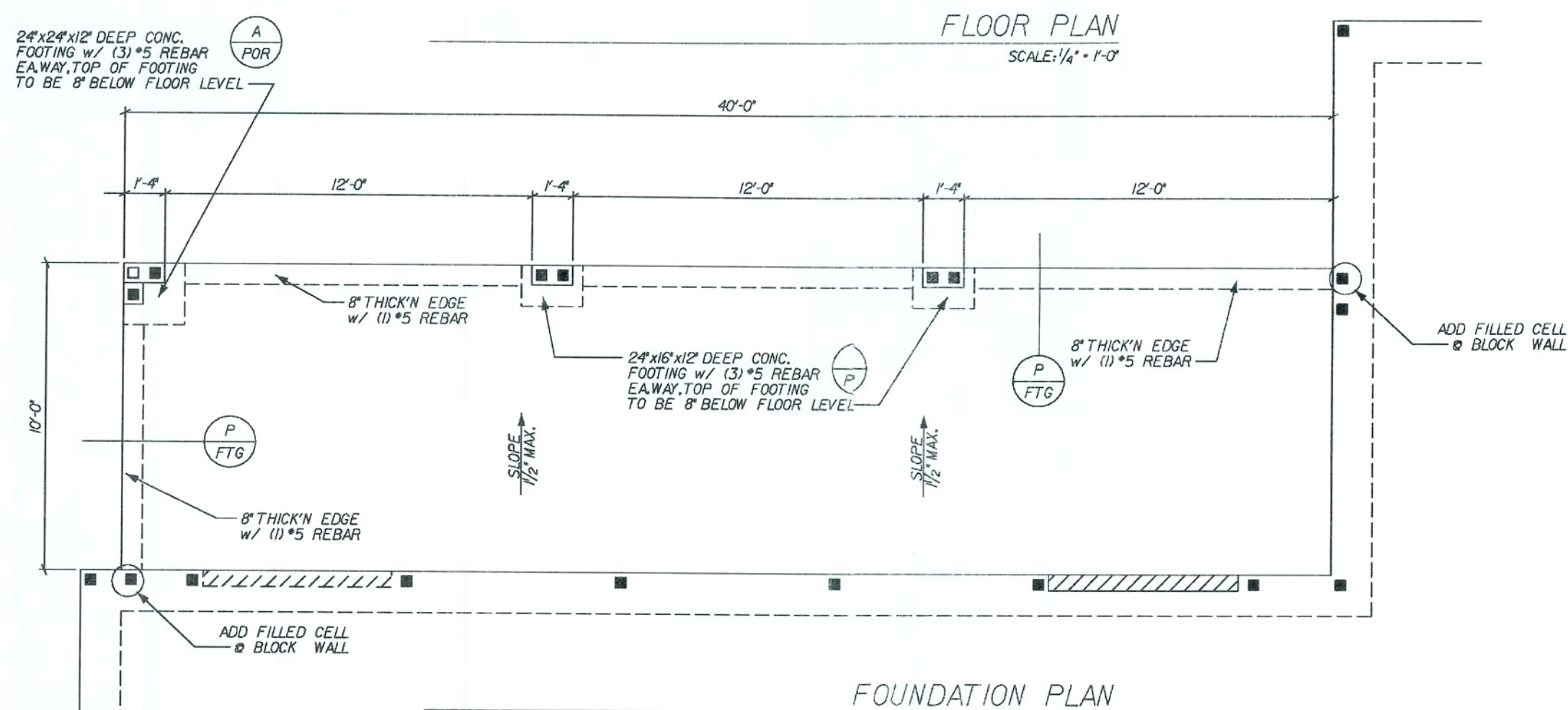
REAR AND SIDE ELEVATIONS

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



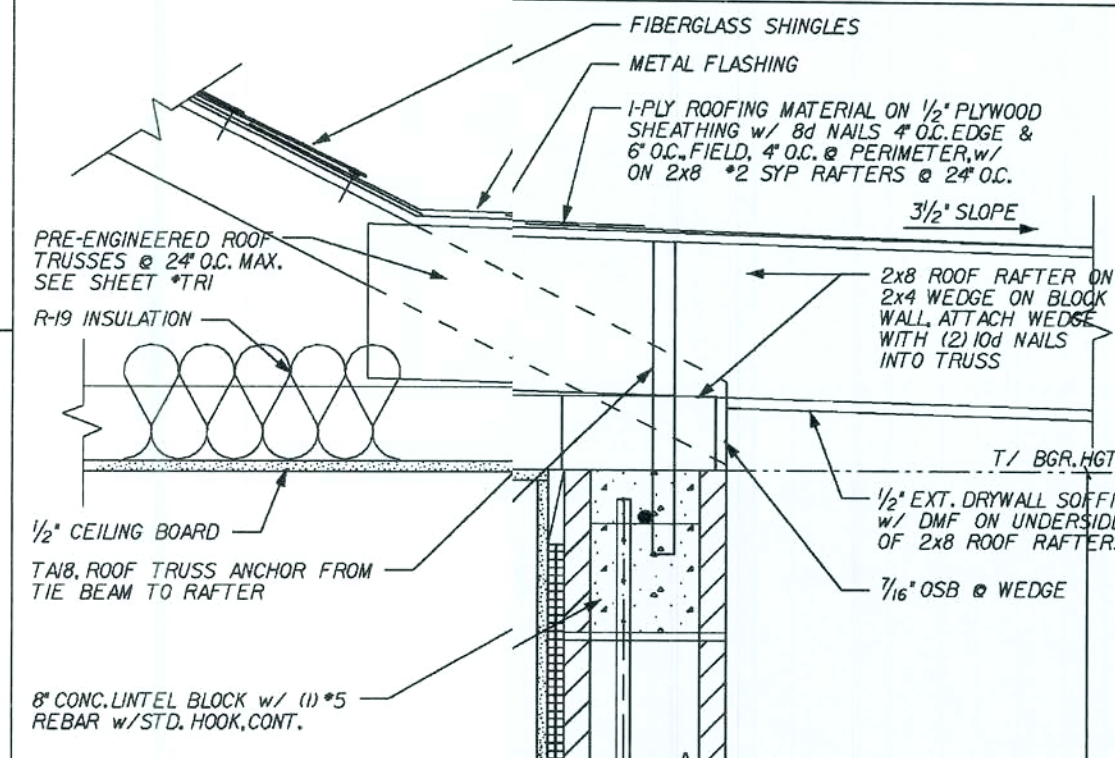
FLOOR PLAN

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



FOUNDATION PLAN

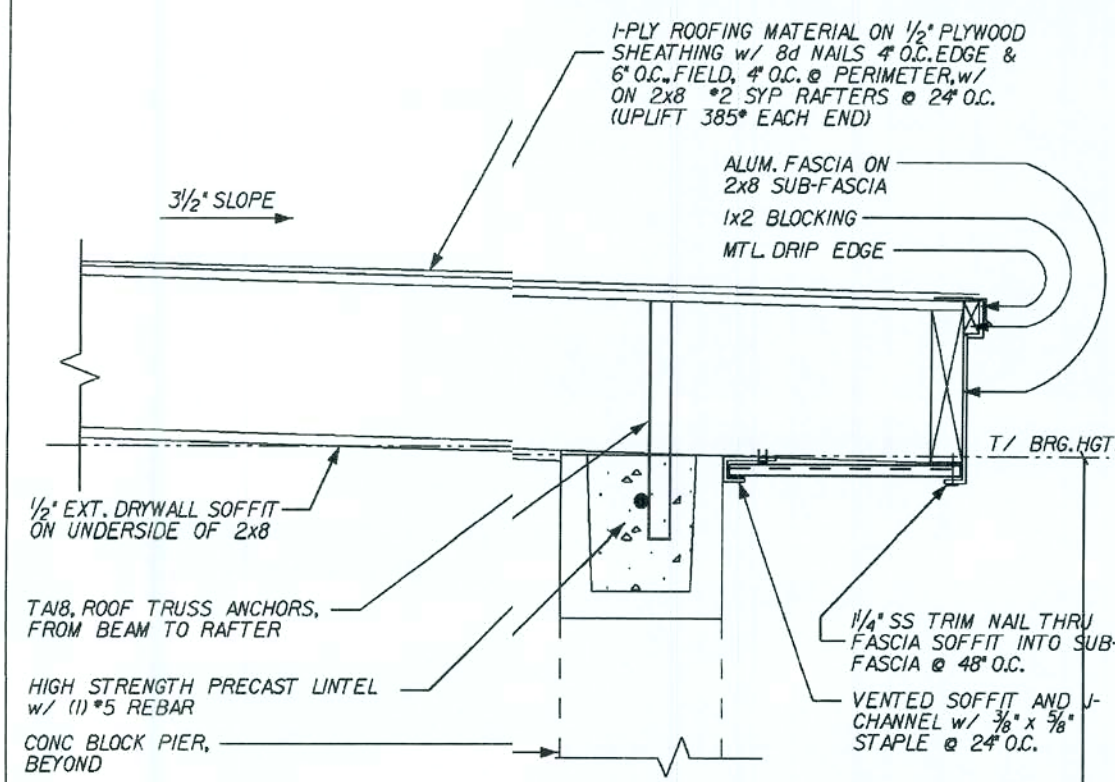
SCALE: 1/4" = 1'-0"



WALL SECTION CONNECTION @ HOUSE ROOF

REVISD 11-29-05 - ROOF SHT'G NOTE E

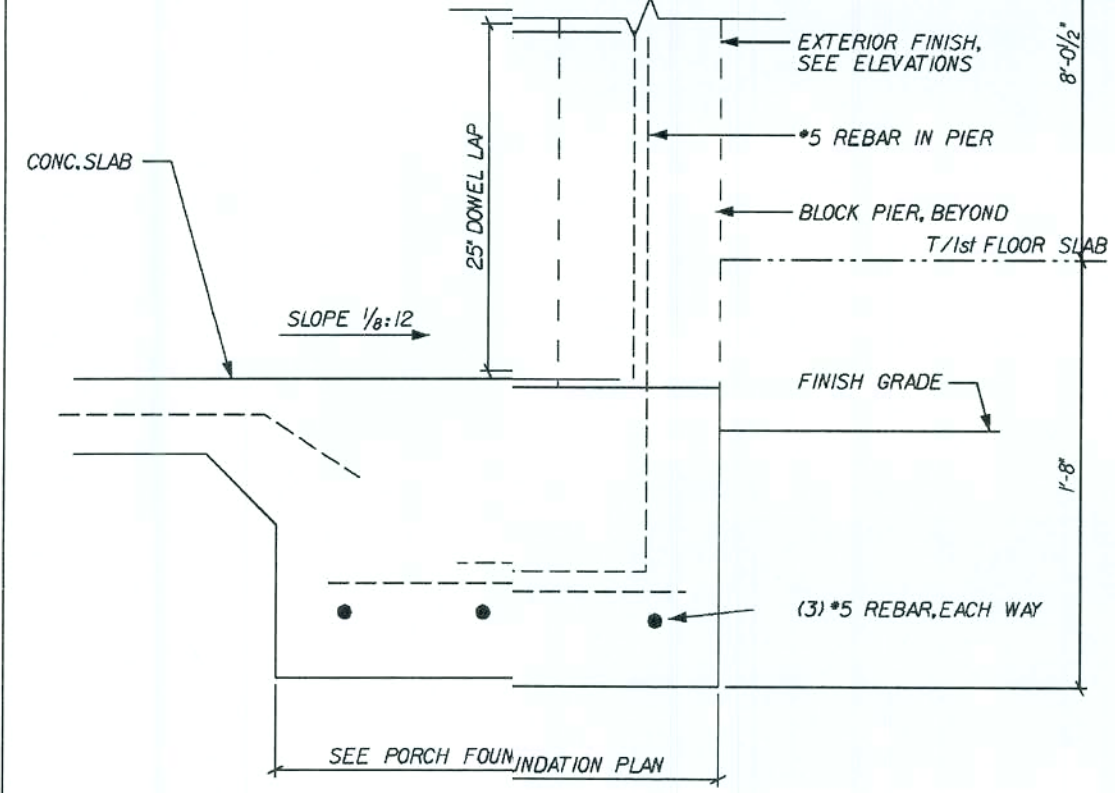
SCALE: 1 1/2" = 1'-0"



WALL SECTION ON ROOF @ PRECAST/PORCH

REVISD 11-29-05 - ROOF SHT'G NOTE E

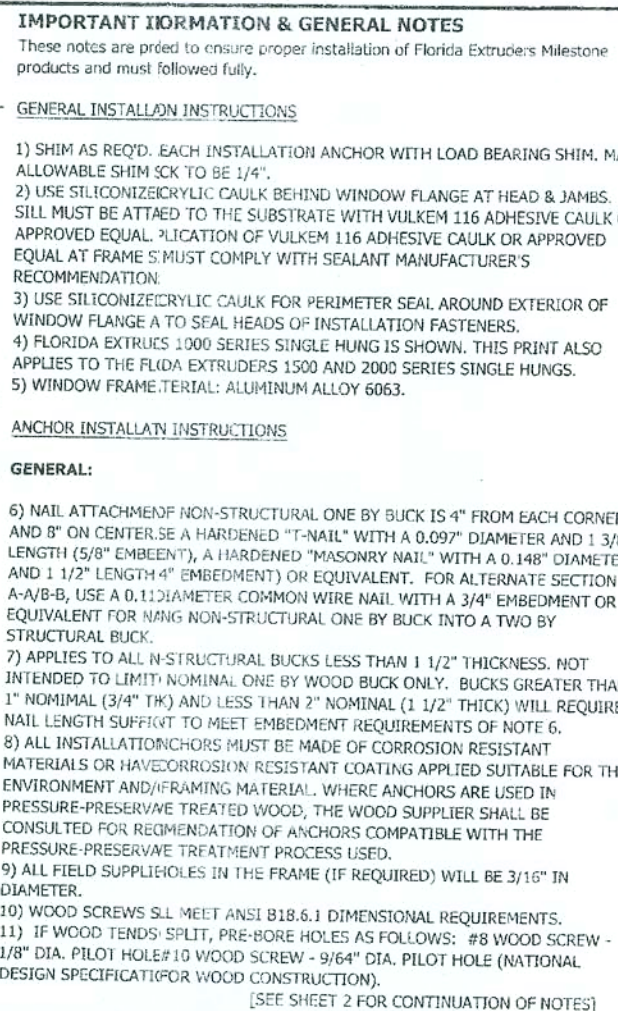
SCALE: 1 1/2" = 1'-0"



WALL SECTION FOUNDATION @ PORCH

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

REVISIONS:	08-01-06 REVISED DETAIL 'A'
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AMERICANA 10' x 40' PORCH	
DAVENPORT	
DRAWN BY:	GARAGE: RIGHT
RELEASE DATE:	09-01-04
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Elmer Bergman, P.E. License No. 50158 AUG 04 2008	
SHEET: POR	
FLORIDA BUILDING CODE 2004 : RESIDENTIAL	



REV.	DESCRIPTION	DATE	INI	FLORA EXTRUDERS INTERNATIONAL, INC.
D	REVISED ANCHOR LOCATION IN JAMB OF SIZE 37 NO CHANGE IN QUANTITY.	4/23/04	RJA	2540 JEWETT LANE SANFORD, FLORIDA
E	ADDED DISCLAIMER AND CLARIFIED LOCATION OF JAMB ANCHORS.	7/29/04	RJA	CERTIFICATE AUTHORIZATION NO. 92335 TITLE: INSULATION DETAIL SGL. HUFPLANGE WINDOWS - SERIES 1000, 1500 & 2000 DRAWN BY: B APPROVED BY: RJA

CALL SIZE		BUCK SIZE	TAPPER LOCATION CHART								LOCATIONS IN HEADLOCATIONS IN JAM			
			30MP	20 AMP	15MP	20 TSP	30MP	20 AMP	15MP	20 TSP				
12		18 1/8 X 25	B			B								
13		18 1/8 X 37 3/8	B			B								
14		18 1/8 X 49 5/8	B			B								
145		18 1/8 X 55 1/4	B			B								
15		18 1/8 X 12	B			B								
17		18 1/8 X 71	B			B								
18		18 1/8 X 83	B			B								
20	142	25 1/2 X 25	B			B								
20	143	25 1/2 X 37 3/8	B			B								
20	144	25 1/2 X 49 5/8	B			B								
20	145	25 1/2 X 55 1/4	B			B								
20	146	25 1/2 X 92	B			B								
20	147	25 1/2 X 71	B			B								
20	148	25 1/2 X 83	B			B								
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30	1/2 X 1500	29 1/2 X 1500	B			B								
30	1/2 X 1512 1/2	29 1/2 X 1512 1/2	B			B								
30	1/2 X 1525	29 1/2 X 1525	B			B								
3														

IMPORTANT INFORMATION ON & GENERAL NOTES (cont)

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

[illegible]

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

16) WHERE WHOLE IS INSTALLED IN MASONRY OPENING WITH A STRUCTURAL TWO BY TWO WOOD BUCK, USE #10 WOOD SCREWS (ANSI D3.6-11) OF SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MIN. EMBEDMENT INTO THE TWO BY TWO WOOD BUCK.

16A) IF A TWO BY TWO BY TWO WOOD BUCK ARE USED (SEE SECTION 4-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 TWO WOOD BUCK WILL BE USED AND THE ONE BY TWO WOOD BUCK WILL BE SECURED TO THE TWO BY TWO WOOD BUCK AS REQUIRED IN NOTE 6 & 7.

17) #10 WOOD SCREWS SHALL BE INSTALLED AT ALL FACTORY APPLIED INSTALLATION FASTENING HOLE LOCATIONS.

18) WOOD SCREWS SHALL NOT BE USED TO FASTEN ASSEMBLY INTO THE END GRAIN OF WOOD.

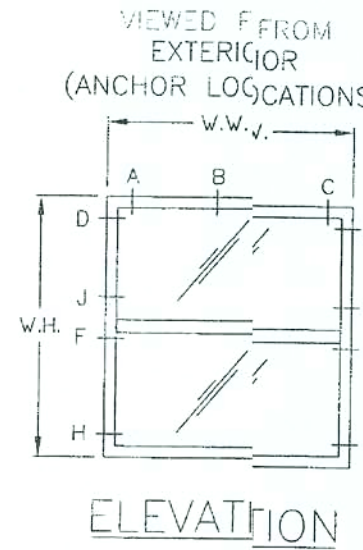
DESIGN PRESSURE RATING & FBC REQUIREMENTS

19) IF EXACT WINDOW SIZE IS NOT LISTED IN TAPER ANCHOR CHART FOR NON-STRUCTURAL BRAC INSTALLATION, USE ANCHOR QUANTITY ACCEPTED FOR NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE REQ'D

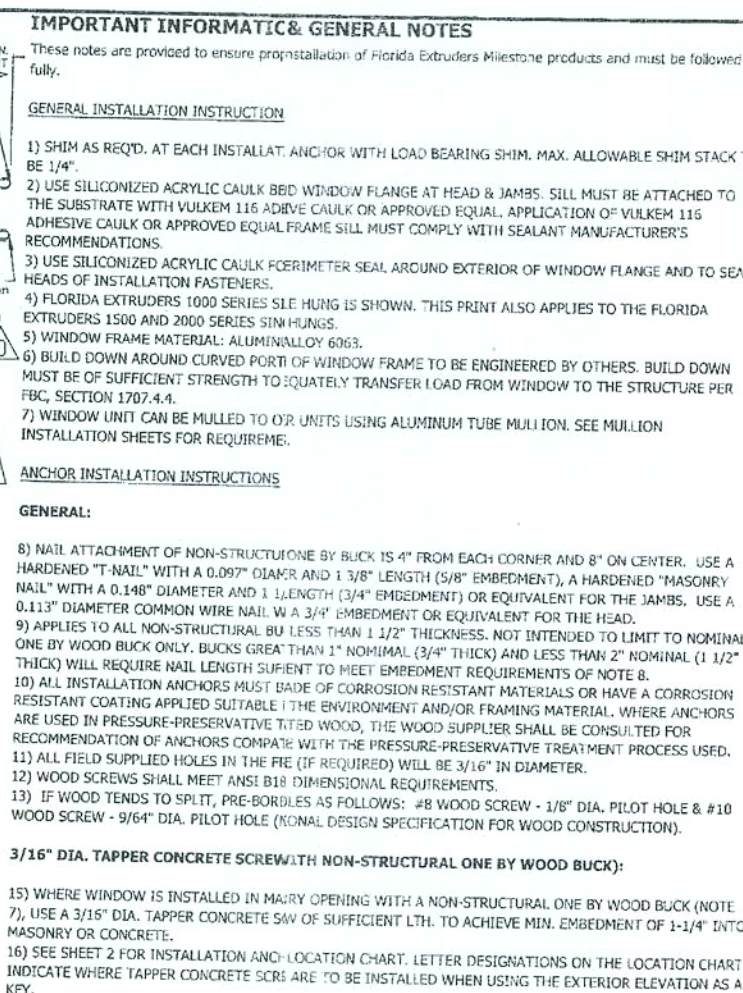
20) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ARE ACCEPTABLE FOR DESIGN PRESSURES TO EXCEED THE WINDOW SIZES SHOWN IN THE CHART. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.

21) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS, BUT MUST BE USED WITH EITHER SECTION 1707.4.1 OR 1707.4.2 FOR ANCHORING REQUIREMENTS, AND WITH EITHER SECTION 1707.4.3 OR 1707.4.4 FOR ANCHORING REQUIREMENTS, AND WITH EITHER SECTION 1707.4.3 OR 1707.4.4 FOR WOOD OR APPROVED FRAMING MEMBERS, MARCH 1, 2002.

22) TWO BY TWO WOOD BRAC AND FRAMING AT THE HP400 AND JAMBS TO BE SECURELY FASTENED TO TRANSFER TO THE SUBSTRATE. THE SUBSTRATE MUST BE OF A NON-STRUCTURAL SUBSTRATE PER FED. SECTION 1707.4.6.2 AND THE ENGINEER'S RECORD'S DETAIL.



REV	FLORIDA EXTRUDERS INTERNATIONAL, INC.	
B	CERTIFICATE OF AUTHORIZATION NO. 9235	2540 JEWETT LANE
C	SANFORD, FLORIDA	
D	TITLE: INSTALLATION DETAIL	
E	SGL HUNG FLANGE WINDOWS - SERIES 1030 , 1500 & 2000	
	DRAWN BY: RJA	APPROVED BY: RJA
	DATE: 7/29/04	SCALE: NTS DWG. FLEX0016, SAT 2 OF 2



				(SEE SHEET 2 FOR CONTINUATION OF NOTES)	
REV	DESCRIPTION	DATE	INI	FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA CERTIFICATE OF OPTIMIZATION NO. 9235	
C	REVISED NOTES 3, 8, 9, 10 10. ADD NOTE 27 10. REMOVE AND/OR ADD RELATED REFERENCES AND ILLUSTRATIONS FOR NOTE REVISIONS.	12/19/02	RJA	TITLES: INSULATION DETAIL SINGLE HUNG RADIUS HEAD FLANGE W/SAFE BUILD DOWN - SERIES 1000, 1500 & 2000	
D	ADD DISCLAIMER AND	7/29/04	DJA	DRAWN BY: SH	APPROVED BY: CJA

ANCHOR LOCATION CHART (SEE NOTES BELOW)						
CALL SIZE	BUCK SIZE	LOCATIONS IN HEAD			LOCATIONS IN JAW	
		33mm to 45mm	46mm to 70mm	71mm to 100mm	101mm to 130mm	131mm to 75mm
12	13 1/8 x 27 1/16	A,C	A,C	F,G	F,G	
13	18 1/8 x 39 1/16	A,C	A,C	F,G	F,G	
14	18 1/8 x 51 1/16	A,C	A,C	F,G	F,G	
14S	18 1/8 x 57 1/16	A,C	A,C	F,G	F,G	
15	18 1/8 x 64 5/16	A,C	A,C	F,G	F,G (a)	
16	18 1/8 x 73 5/16	A,C	A,C	F,G (a)	F,G,H	
1102	25 1/2 x 28 9/16	A,C	A,C	F,G	F,G	
1103	25 1/2 x 40 1/16	A,C	A,C	F,G	F,G	
1144	25 1/2 x 53 3/16	A,C	A,C	F,G	F,G,H	
1144S	25 1/2 x 58 13/16	A,C	A,C	F,G	F,G,H	
1165	25 1/2 x 65 9/16	A,C	A,C	F,G	F,G,H	
1165	25 1/2 x 74 9/16	A,C	A,C	F,G	F,G,H	
1/2 x 30 7/32	29 1/2 x 29 7/32	A,C	A,C	F,G	F,G	
1/2 x 42 19/32	29 1/2 x 41 19/32	A,C	A,C	F,G	F,G	
1/2 x 54 27/32	29 1/2 x 53 27/32	A,C	A,C	F,G	F,G,H	
1/2 x 60 15/32	29 1/2 x 59 15/32	A,C	A,C	F,G	F,G,H	
1/2 x 67 7/32	29 1/2 x 66 7/32	A,C	A,C	F,G	F,G,H	
1/2 x 76 7/32	29 1/2 x 75 7/32	A,C	A,C	F,G,H	F,G,H (b)	
22	36 x 30 5/16	A,B,C	A,B,C	F,G	F,G	
23	36 x 42 11/16	A,B,C	A,B,C	F,G	F,G (a)	
24	36 x 54 15/16	A,B,C	A,B,C	F,G,H	F,G	
24S	35 x 60 9/16	A,B,C	A,B,C	F,G	F,G,H	
25	36 x 67 5/16	A,B,C	A,B,C	F,G,H	F,G,H (b)	
26	36 x 76 5/16	A,B,C	A,B,C	F,G,H	F,G,H (b)	
1/2 x 32 5/32	41 x 31 5/32	A,B,C	A,B,C	F,G	F,G	
1/2 x 44 17/32	41 x 41 17/32	A,B,C	A,B,C	F,G	F,G	
1/2 x 49 1/2	41 x 55 25/32	A,B,C	A,B,C	F,G	F,G,H	
1/2 x 62 3/32	41 x 61 3/32	A,B,C	A,B,C	F,G,H	F,G,H	
1/2 x 69 5/32	41 x 68 5/32	A,B,C	A,B,C	F,G,H	F,G,H	
1/2 x 78 5/32	41 x 77 5/32	A,B,C	A,B,C	F,G,H	F,G,H (b)	
1/2 x 88 1/32	47 x 32 5/32	A,B,C	A,B,C	F,G	F,G	
1/2 x 98 1/32	47 x 44 17/32	A,B,C	A,B,C	F,G	F,G,H	
1/2 x 107 5/32	47 x 56 25/32	A,B,C	A,B,C	F,G	F,G,H	
1/2 x 116 3/8	47 x 62 3/8	A,B,C	A,B,C	F,G,H	F,G,H (b)	
1/2 x 125 1/8	47 x 70 3/8	A,B,C	A,B,C	F,G,H	F,G,H	
1/2 x 134 5/8	47 x 78 5/8	A,B,C	A,B,C	F,G,H	F,G,H (b)	
32	52 1/8 x 33	A,B,C	A,B,C	F,G	F,G	
33	52 1/8 x 45 3/8	A,B,C	A,B,C	F,G	F,G,H	
34	52 1/8 x 57 3/8	A,B,C	A,B,C	F,G,H	F,G,H	
34S	52 1/8 x 63 1/4	A,B,C	A,B,C	F,G,H	F,G,H (b)	
35	52 1/8 x 70	A,B,C	A,B,C	F,G,H	F,G,H	
36	52 1/8 x 79	A,B,C	A,B,C	F,G,H	F,G,H (b)	

ANCHOR LOCATION CHART NOTES:

- Locations in HEAD for #10 Weld Screws into structural "T" wood buck or "one by two" buck/structural build-down.
- Locations in JAMB for 3/16" TAPPER Concrete Screws into non-structural buck & concrete or masonry.
- Locations in JAMB for #10 Weld Screws into structural "T" buck.

When indicated by (a), (b), (c) above, additional #10 Weld Screws shall be added at the following locations:

- One additional anchor required in each jamb at locations "H" and "I".
- One additional anchor required in each jamb at locations "J" and "E".
- One additional anchor required in each jamb at locations "F" and "K".

Dimensions given are for half of head.

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

17) TAPPER (RAWL) CONCRETE SCREW MANUFACTURED BY POWERS FASTENING, INC. WILL BE USED. TAPCON (BY ELCO TEXTRON INC.) OR TITEN (BY SIMPSON STRONG-TIE) CAN BE SUBSTITUTED WITH THE FOLLOWING LIMITATIONS FOR THE SINGLE HUNG WINDOW CALL:

K SIZE 15:
a) LIMIT TO 65 PSF, OR
b) INSTALL ONE ADDITIONAL FASTENER IN EACH JAMB OVER CHART

18) 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-DOWN):

19) WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A STRUCTURAL
#10 WOOD BLOCK OR ONE BY TWO BLOCK STRUCTURAL BUILD-UP, USE #10 WOOD SCREWS (ANSI
B18.6.1) OF SUFFICIENT LENGTH TO ACHIEVE 1/3" MIN. EMBEDMENT INTO THE TWO BY TWO BLOCK OR
THE STRUCTURAL BUILD-UP DRAINING COMPONENT.
20) SEE SHEET 2 FOR INSTALLATION ANCHOR LOCATION CHART. LETTER DESIGNATIONS ON THE
LOCATION CHART INDICATE WHERE THE ANCHORS 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.
21) #10 WOOD SCREWS SHALL NOT BE USED TO FASTEN ASSEMBLY INTO THE END GRAIN OF
WOOD. 22) REMARK 100101 APPLIES TO THE FOLLOWING: ANCHOR FASTENER HOLES NOT USED FOR #10 WOOD
SCREW INSTALLATION SHOULD BE FILLED WITH #8 WOOD BLOCK SCREWS SUFFICIENT LT. TO PROVIDE
MIN. 5/8 IN. EMBEDMENT INTO WOOD BLOCK.

DESIGN PRESSURE RATING & FBC REQUIREMENT

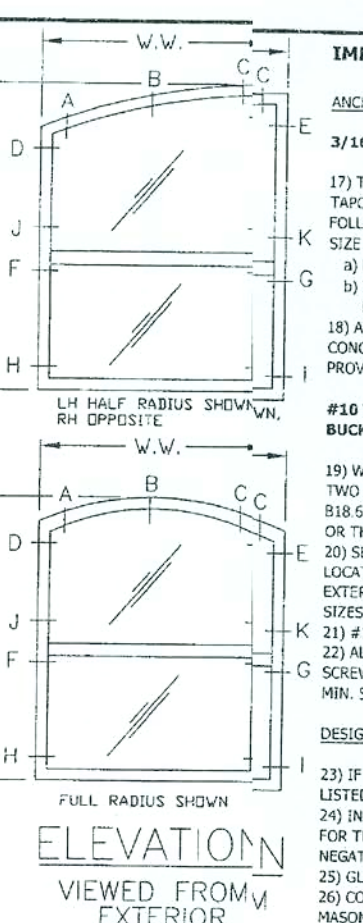
23) IF EXACT WINDOW SIZE IS NOT LISTED IN ANCHOR LOCATION CHART, USE ANCHOR QUANTITY LISTED FOR NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE REQ'D.

24) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE IF DESIGN PRESSURES TO 70 PSF FOR THE WINDOW SIZES SHOWN IN THE CHART. DESIGN PRESSURES (P.D.) SHOWN ARE POSITIVE AND NEGATIVE.

25) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.

26) COMPLY 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 PER FBC.

27) STRUCTURAL BUILD DOWN 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 APPROVED FRAMING MEMBERS PER FBC, SECTION 1707.4.4.3 AND THE ENGINEER OR RECORD'S DETAILS.



REV	FLORIDA EXTRUDERS	INTERNATIONAL, INC
B	CERTIFICATE OF AUTHORIZATION NO. 9235	2540 JEWETT LANE
C		SANFORD, FLORIDA
D	TITLE: INSTALLATION DETAIL SINGLE HUNG RADIUS HEAD	
	FLANGE W/FRAME BUILD DOWN - SERIES 1000 , 1500 & 2000	
	DRAWN BY: RJA	APPROVED BY: RJA
	DATE: 2/29/84	SCALE: NTS.
		DWG. FLW6000, SHEET 2 OF 2

SHEET:
1 of 3

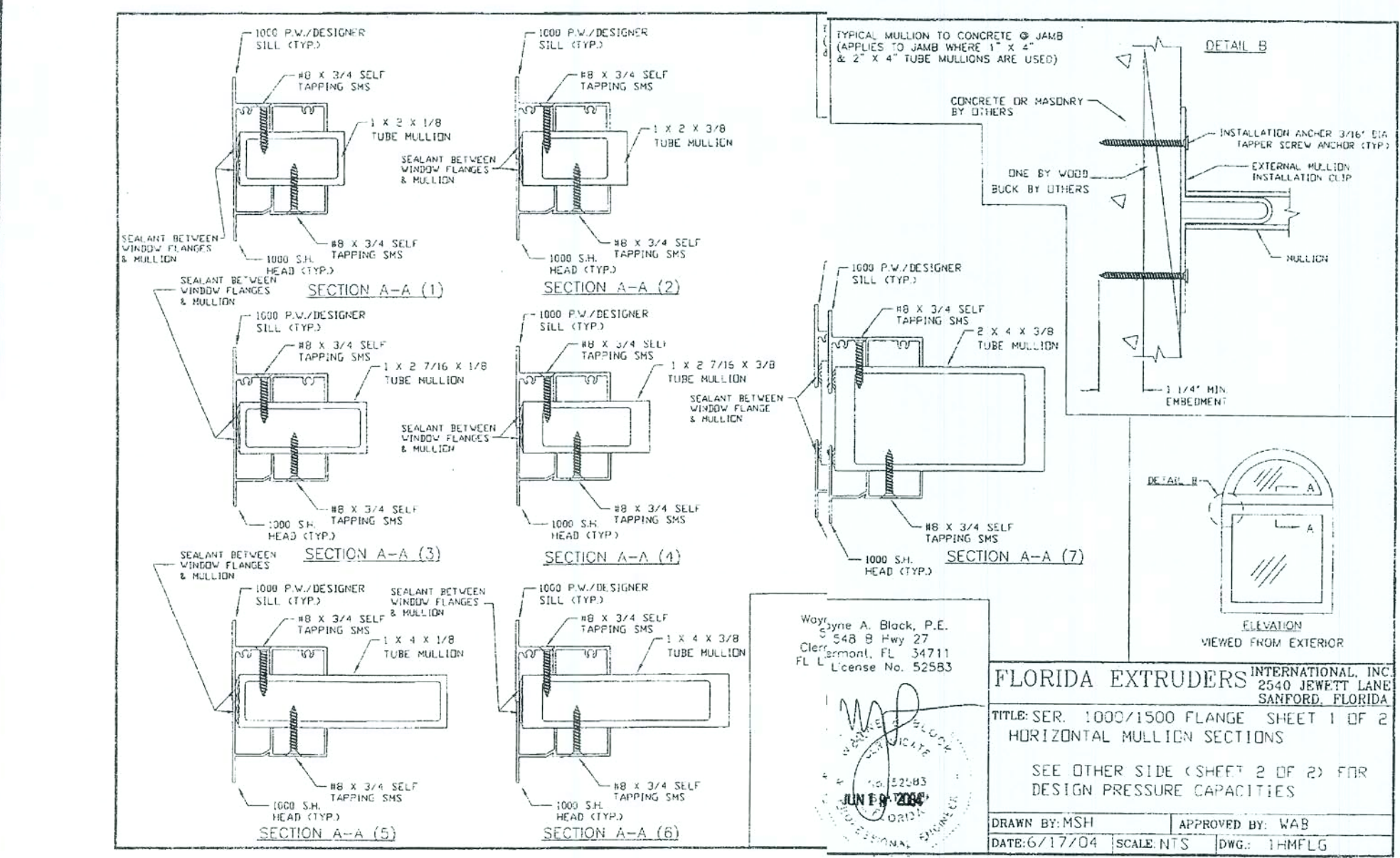
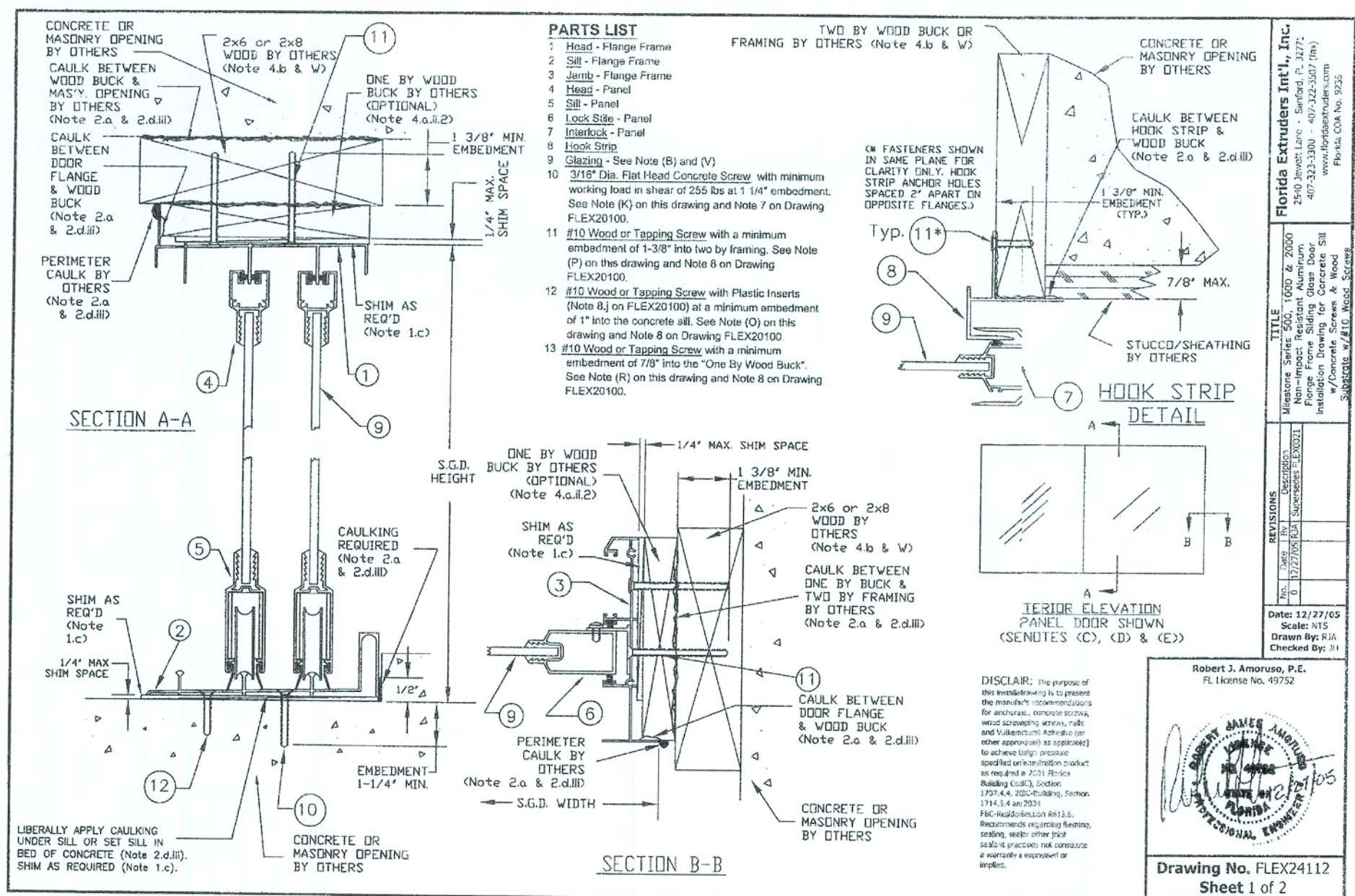
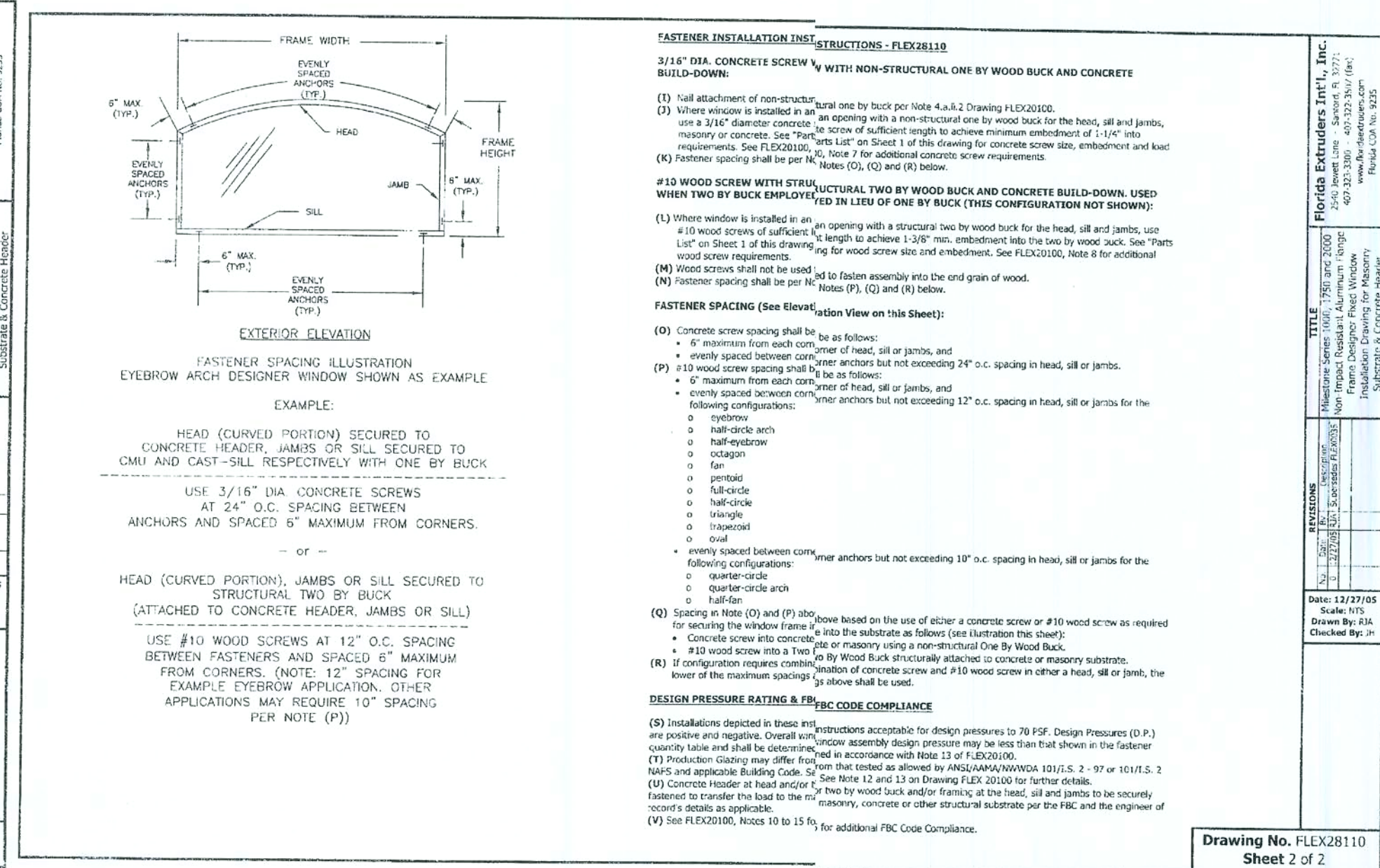
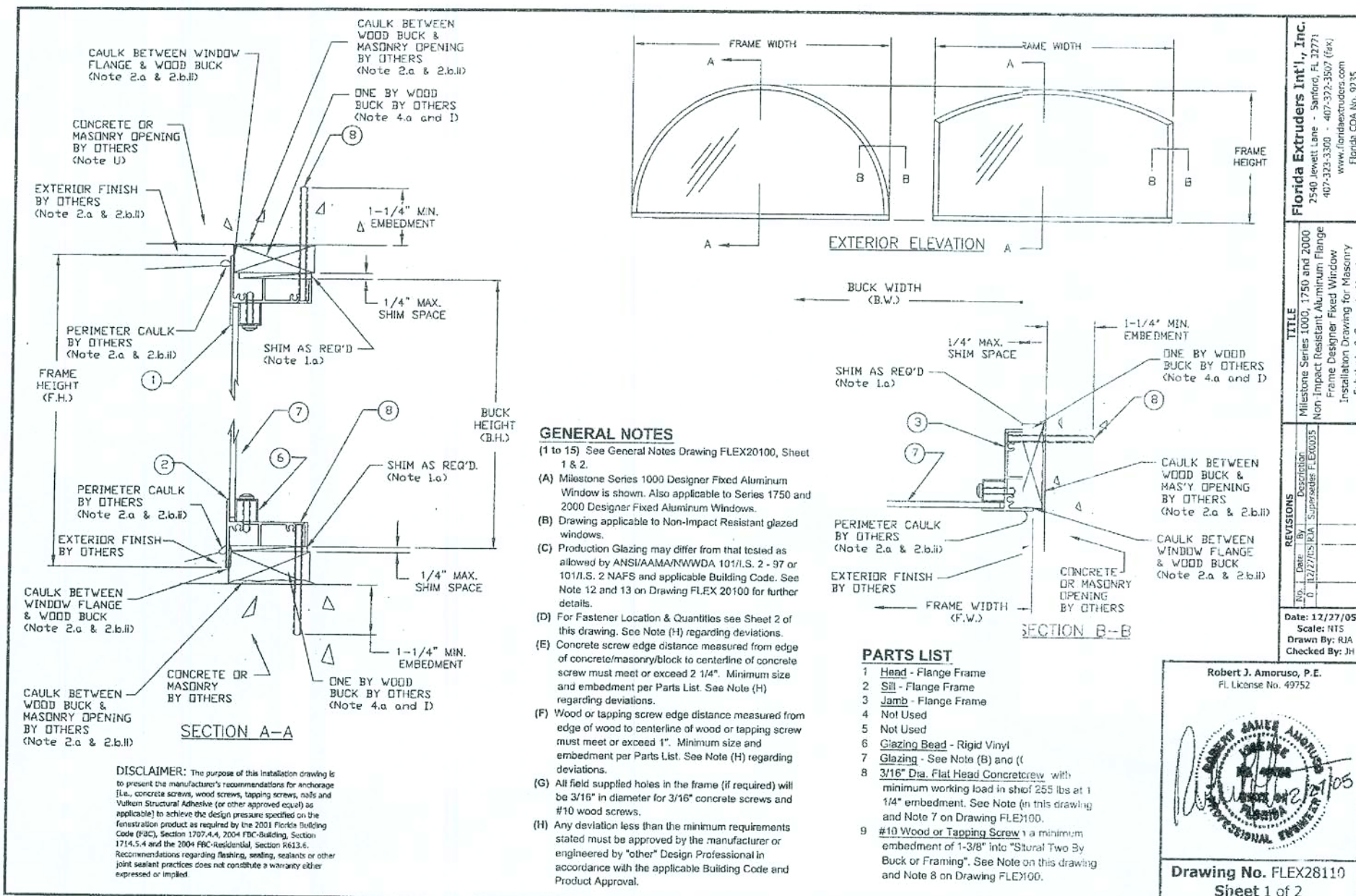
Maronda Homes

WINDOWS IN BLOCK

RELEASE DATE:

o:\v\Nille_blocks\8x24-1252\ddan

31 MAR 2006



REVISIONS:

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Maronda Homes

4005 MARONDA WAY SANFORD, FLORIDA 32709

RELEASE DATE: 12/24/04

FLORIDA EXTRUDERS
WINDOWS IN BLOCK

31 MAY 2006

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) SHIMMING:

- FLANGE FRAME WINDOWS - Shim as required at each installation fastener with load bearing shim. The maximum allowable shim stock is 1/4".
- FIN FRAME WINDOWS - Shim as required at each installation fastener with load bearing shim. The maximum allowable shim stock is 1/4". Apply a bead of Vulkem 116 adhesive sealant or approved equal at the fastener location prior to setting the shim to adhere the shim to the substrate and/or window frame. Full bearing between the shim, substrate and window frame are required.
 - In the case where the shimming option is employed with fin windows, shims can be limited to the location of fasteners where wood screws are required. It is not imperative that the shim be concentric with the nail.
- SLIDING GLASS DOORS - Shim as required at each installation fastener with load bearing shim. The maximum allowable shim stock is 1/4". Load bearing shim at all must be pressure treated wood or plastic and must be completely encapsulated in sealant or set in wet concrete.

2) SEALING/FENESTRATION PRODUCT AND SUBSTRATE & SILL 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 manufacturer's recommendation as it relates to materials to be sealed, environmental conditions and intended use.
- WINDOWS - FLANGE FRAME
 - Adhesive Seal - REQUIRED
 - Use Vulkem 116 adhesive sealant or approved equal between window's integral mounting fin and precast concrete sill (for 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, sill and joints.
 - 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 joints.
 - 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 Center - REQUIRED
 - Sliding Glass Doors received in "Knock-Out-Down" condition shall have jamb and sill corners sealed with a small joint sealant.
 - Sealant - RECOMMENDED (See Disclaimer)
 - Use sealant behind door flange at head, joints and behind lock strip.
 - Locally apply sealant under sill or set sill in bed of wet concrete seal between back corner of sill and concrete. Seal all fasteners head or to enclosing fastener and around head and sill joints.
 - Use sealant for perimeter seal around exterior of door and between lock strip & back for pocket doors and to seal heads of installation fasteners.

3) MATERIALS:

- Window and Sliding Glass Door Frame material is Aluminum Alloy 6063 T6.
- Concrete Screws shall meet the minimum requirements of Note 1.
- Wood Screws shall meet the requirements of Note 2.
- Tapping (i.e., Sheet Metal) Screws shall meet the requirements of Note 3.
- Nails shall meet the requirements of Note 4.
- Corrosion Resistant Coatings for installation fasteners shall meet the requirements of Note 5.
- Concrete block or concrete masonry unit (CMU) shall meet the requirements of ASTM C90.
- Concrete shall meet the minimum requirements of the local 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 be used on nominal one by wood buck only.
 - One by wood bucking shall be secured to the substrate (masonry, concrete or structural wood framing or framing using fasteners suitable for the application) as follows:
 - 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, fastening 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 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 #8 wood or tapping screws.
 - 3/16" in diameter for all #10 wood or tapping screws and 5/16" 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 fastener. If the fastener is used in concrete block or masonry unit (CMU) receiving the fastener, the fastener shall be secured to the concrete block or masonry unit (CMU) receiving the fastener.
 - 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 a test divided by a safety factor determined and published by the concrete screw manufacturer.
 - If the allowable shear load exceeds the above minimum requirements, the 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 safety factor shall be applied to the working load and the fastener shall be secured to the concrete block or masonry unit (CMU) receiving the fastener.
 - Concrete screws shall be of sufficient length so that the minimum embedment into the receiving substrate (member receiving the part) 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 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 Location	
		Width	Height (Full Radius)	Head (No. 10 WS or Concrete Screw)	Jambs (No. 10 WS or Concrete Screw)
1000/1500/2000	12	19 1/8	26 13/16	28 5/16	A, B, C
1000/1500/2000	13	19 1/8	39 3/16	40 11/16	A, B, C
1000/1500/2000	14	19 1/8	57 11/16	57 11/16	A, B, C
1000/1500/2000	14S	19 1/8	57 11/16	58 9/16	A, B, C
1000/1500/2000	15	19 1/8	63 13/16	65 9/16	A, B, C
1000/1500/2000	16	19 1/8	72 13/16	74 9/16	A, B, C
1000/1500	17	19 1/8	84	84	A, B, C
1000/1500	17	19 1/8	90	86 5/16	A, B, C
1000/1500/2000	1H2	26 1/2	27 11/16	29 9/16	A, B, C
1000/1500/2000	1H3	26 1/2	35 13/16	41 15/16	A, B, C
1000/1500/2000	1H4	26 1/2	52 11/16	54 3/16	A, B, C
1000/1500/2000	1H4S	26 1/2	52 11/16	59 13/16	A, B, C
1000/1500/2000	1H5	26 1/2	64 7/16	68 9/16	A, B, C
1000/1500/2000	1H6	26 1/2	73 7/16	75 9/16	A, B, C
1000/1500	1H7	26 1/2	84	84	A, B, C
1000/1500	1H7	26 1/2	90	87 9/16	A, B, C
1000/1500/2000	3H2	30 1/2	27 7/16	30 11/16	A, B, C
1000/1500/2000	3H3	30 1/2	40 13/16	42 29/48	A, B, C
1000/1500/2000	3H4	30 1/2	52 37/96	54 41/48	A, B, C
1000/1500/2000	3H4S	30 1/2	58 1/48	60 23/48	A, B, C
1000/1500/2000	3H5	30 1/2	64 7/16	67 11/48	A, B, C
1000/1500/2000	3H6	30 1/2	73 7/16	76 11/48	A, B, C
1000/1500	3H7	30 1/2	84 1/16	83 47/48	A, B, C
1000/1500	3H7	30 1/2	90 1/16	89 47/48	A, B, C
1000/1500/2000	22	37	28 5/16	31 5/16	A, B, C
1000/1500/2000	23	37	40 11/16	43 11/16	A, B, C
1000/1500/2000	24	37	52 15/16	55 15/16	A, B, C
1000/1500/2000	24S	37	58 9/16	61 9/16	A, B, C
1000/1500/2000	25	37	65 5/16	68 5/16	A, B, C
1000/1500/2000	26	37	74 5/16	77 5/16	A, B, C
1000/1500	27	37	84	84	A, B, C
1000/1500	27	37	90	86 5/16	A, B, C
1000/1500/2000	482	48	29 7/32	33 7/48	A, B, C
1000/1500/2000	483	48	41 19/32	45 25/48	A, B, C
1000/1500/2000	484	48	53 27/32	57 37/48	A, B, C
1000/1500/2000	484S	48	59 15/32	63 19/48	A, B, C
1000/1500/2000	485	48	66 7/32	70 7/48	A, B, C
1000/1500/2000	486	48	75 7/32	79 7/48	A, B, C
1000/1500	487	48	84	84 11/2	A, B, C
1000/1500	487	48	90	90 11/2	A, B, C
1000/1500	487	48	90	86 5/16	A, B, C
1000/1500/2000	32	53 1/8	29 21/32	34	A, B, C
1000/1500/2000	33	53 1/8	42 1/32	46 3/8	A, B, C
1000/1500/2000	34	53 1/8	54 9/32	58 5/8	A, B, C
1000/1500/2000	34S	53 1/8	59 29/32	64 1/4	A, B, C
1000/1500/2000	35	53 1/8	66 21/32	71	A, B, C
1000/1500/2000	36	53 1/8	75 21/32	80	A, B, C
1000/1500	n/a	n/a	n/a	n/a	A, B, C
2000	37	53 1/8	90	90	A, B, C

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 Jamb.
- 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 and/or jambs, and
 - Optional One By Wood Buck is installed at the head and/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

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 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 length of the sill meeting the requirements of Note 2.b.i on FLEX 20100.

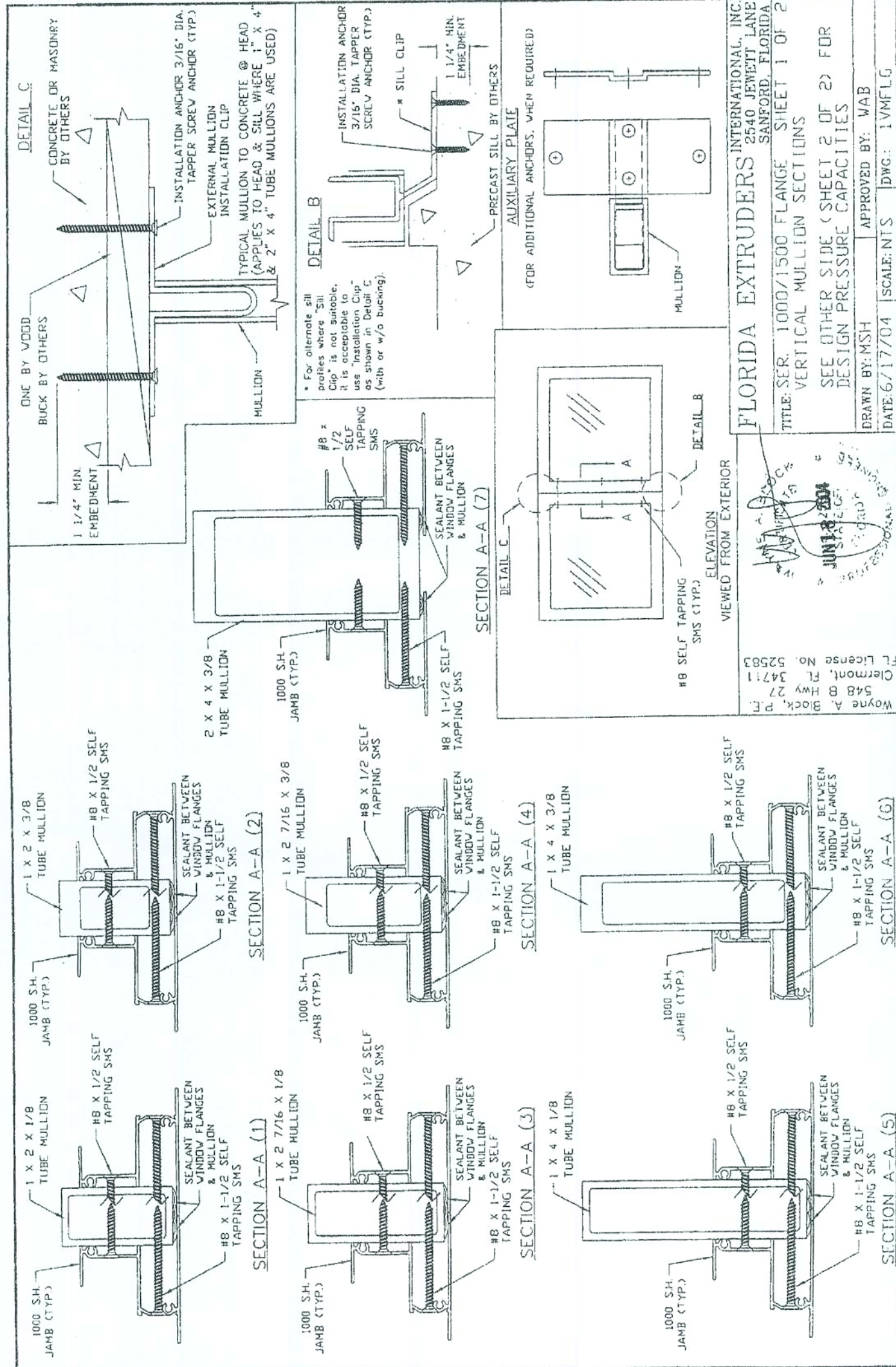
(L) If a two by and one by wood buck are used together (see Section A-A Alternate, similar for Section B-B), then #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck will be used and the one by wood buck will be secured to the two by wood buck as required in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

- If exact window size is not listed in fastener installation table, use fastener locations listed for next larger size.
- 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.
- Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWMA 101/I.S. 2, 101/I.S. 2/NAFS or AAMA/NWMA/CSA 101/I.S. 2/A440 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
- 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.
- See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

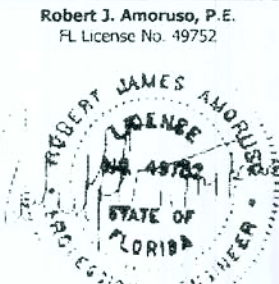


REVISIONS:

Florida Extruders Int'l., Inc.
2540 Jewel Lane, Sanford, FL 32711
407-333-3300 (Fax)
www.floridextruders.com
Florida COA No. 0235

TITLE		REVISIONS	
General Notes Drawing for Milestone Series 1000, 1500, 2000 & 3000 Non-Impact Resistant Aluminum Windows & Patio Sliding Glass Doors Installation Details			
No.	Date	By	Description
0	5/6/05	RJA	Original Issue
1	12/2/05	RJA	Editorial Changes
2	12/2/05	RJA	Revised Note 2, 2.8, 2.9
3	11/7/09	RJA	Revised Note 2, 2.8, 2.9

Date: 11/14/06
Scale: NTS
Drawn By: RJA
Checked By: JH



FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE:

SHEET:

3 of 3

PRODUCT APPROVAL INFORMATION SHEET FOR FLORIDA

PROJECT NAME: _____ PERMIT # _____

PROJECT ADDRESS: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9B-72.2, Please provide the information and product approval numbers for the building components listed below as applicable to the building construction project for the permit number listed above. You should contact your product supplier if you do not know the product approval number for any of the applica listed products. Information regarding statewide product approval may be obtained on www.floridabuilding.org.

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
A. EXTERIOR DOORS					
1. Swingling	Plaspro Inc.	Fiberglass Doors	Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as defined by ASCE 7 Minimum Design Loads For Building and Other Structures.	FL 6729J FL 6729.5	+50 / -50 +50 / -50
2. Sliding	Simonton/Norandex Florida Extruders	Sliding Glass Doors	500 72X80 5-R45 Milestone 1000 SD	FL 5979J FL 45J	+50 / -50 +45 / -45
3. Sectional					
4. Roll up	Wayne Dalton	Garage Doors 130 16' 9100 / 5120 8' Garage Doors 140 16' 9100 / 5120 8'	As Indicated in evaluation report and installation drawings. Not to be used in HVH	FL 5287J FL 5287.3 FL 9174.4 FL 9174.5	+26.9 / -30.8 +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-IT 72x74"-r45	FL 5089J 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 111X63 C60 3/16 Temper. Glass Flange & Fin	FL 1291J 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 in locations adhering to the Florida Building Code and where pressure requirements as defined by ASCE 7 Minimum Design Loads For Building and Other Structures.	FL 5782 FL 3136-R2	+45 / -45
10. Wind breaker					
11. Dual action					
12. Other					
C. PANEL WALL					
1. Sliding	Owen Corning	Norandex - Summit Manor Dbl 4.5 Butch Lap Reynolds - Easy Street Dbl 4.5 Dutch Lap	This Evaluation is for use within the FBHVHZ, or on Education Facilities within the State of Florida. Vinyl Sliding is limited to Type V construction as defined below. Section 6025-TYP V CONSTRUCTION: Type V construction is a type of construction in which the structural elements exterior walls and interior walls are of any material permitted by this code. Compliance is valid only if the subject profile trade name is current on the 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 HVHZ	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 3663 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 for 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 8103J FL 3792.5	
E. SHUTTERS					
1. Storm Panels	Atrium Shutters, Inc. K&D Manufacturing All American Shutters, Inc.	5L Panel Galv. Sh 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 2773J 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 NOA 05-0105.05-05	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 reviewed 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: _____

REV/ISSN:	10-29-07	UPDATE	LISTS
	01-21-08	UPDATE	ROLL UP DOORS

Maronda Homes

FLORIDA
14071 321-0064 4005 MARONDA WAY SANFORD, FL 32771

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004: RESIDENTIAL AND 2006 SUPPLEMENT

PRODUCT APPROVAL

DRAWN BY: _____ GARAGE: _____

RELEASE DATE: 08/31/08

SHEET: _____

PLOT DATE: 21 JAN 2008

DISTINCTION SERIES

SMC INSULATED RESIDENTIAL INSULATED
FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

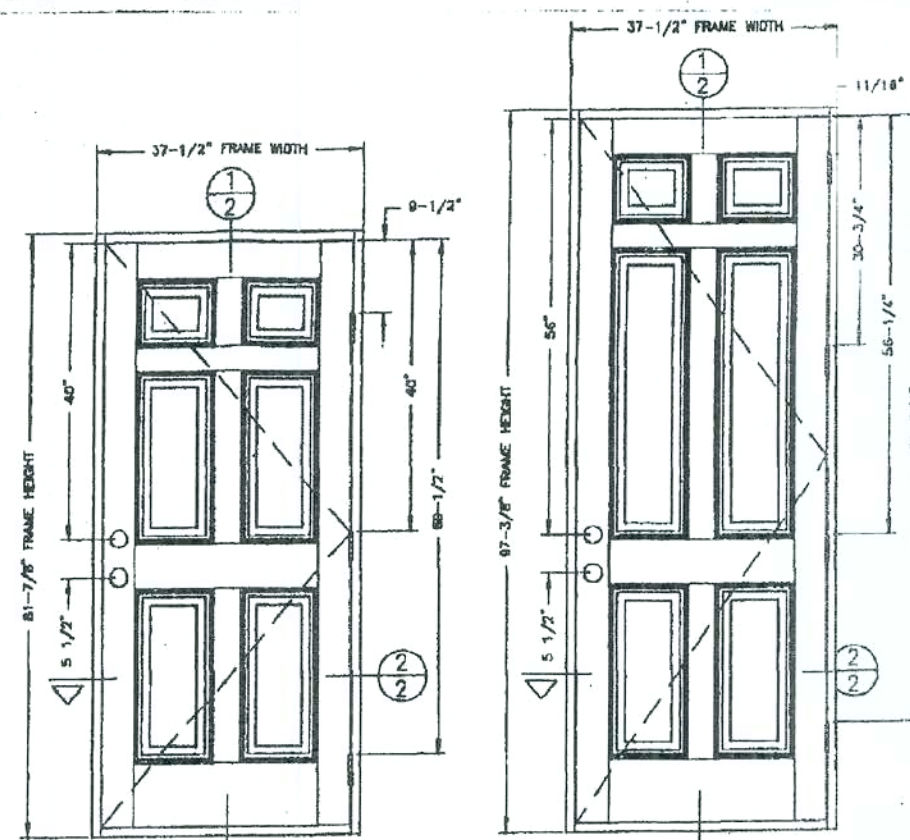
1. THE FOLLOWING PRODUCT HAS BEEN EVALUATED FOR COMPLIANCE WITH THE WIND LOADS SPECIFIED IN SECTION 120 OF THE TEXAS DEPARTMENT OF INSURANCE WINDSTORM RESISTANT CONSTRUCTION GUIDE AND SECTION 103 OF THE TEXAS WINDSTORM INSURANCE ASSOCIATION BUILDING CODE FOR WINDSTORM RESISTANT CONSTRUCTION.
2. WOOD 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 SUBC.
4. PRODUCT DOES NOT MEET IMPACT RESISTANCE
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
- FOR 6' 0" HIGH DOORS: SEE TABLE 1.
- FOR FRAMES OVER 6' 0" UP TO 8' 0": SEE TABLE 2.

DISTINCTION SMC FIBERGLASS DOOR

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 GILDED 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.

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



TYPICAL ELEVATION 6'-0" DOOR

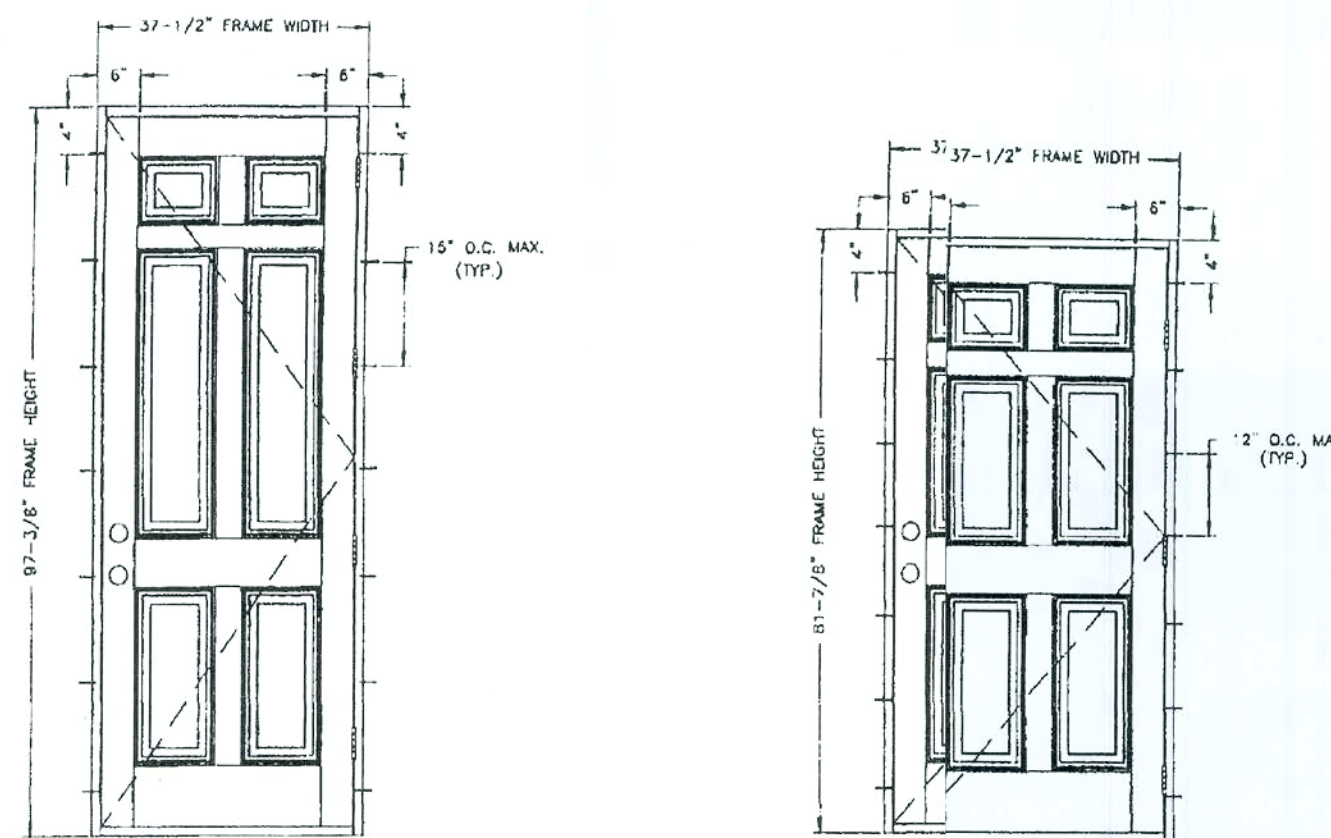
TYPICAL ELEVATION 6'-6" DOOR

DESIGN PRESSURE RATING (TABLE #1)	
POSITIVE	NOT APPROVED
NEGATIVE	NOT APPROVED

DESIGN PRESSURE RATING (TABLE #2)	
POSITIVE	NOT APPROVED
NEGATIVE	NOT APPROVED

RW CONSULTING
(813) 884-3831

DATE: 01/06/99
SCALE: N.T.S.
DOW: BY R.P.P.
CHK: BY
DRAWING NO: 98-01
SHEET: 1 OF 4



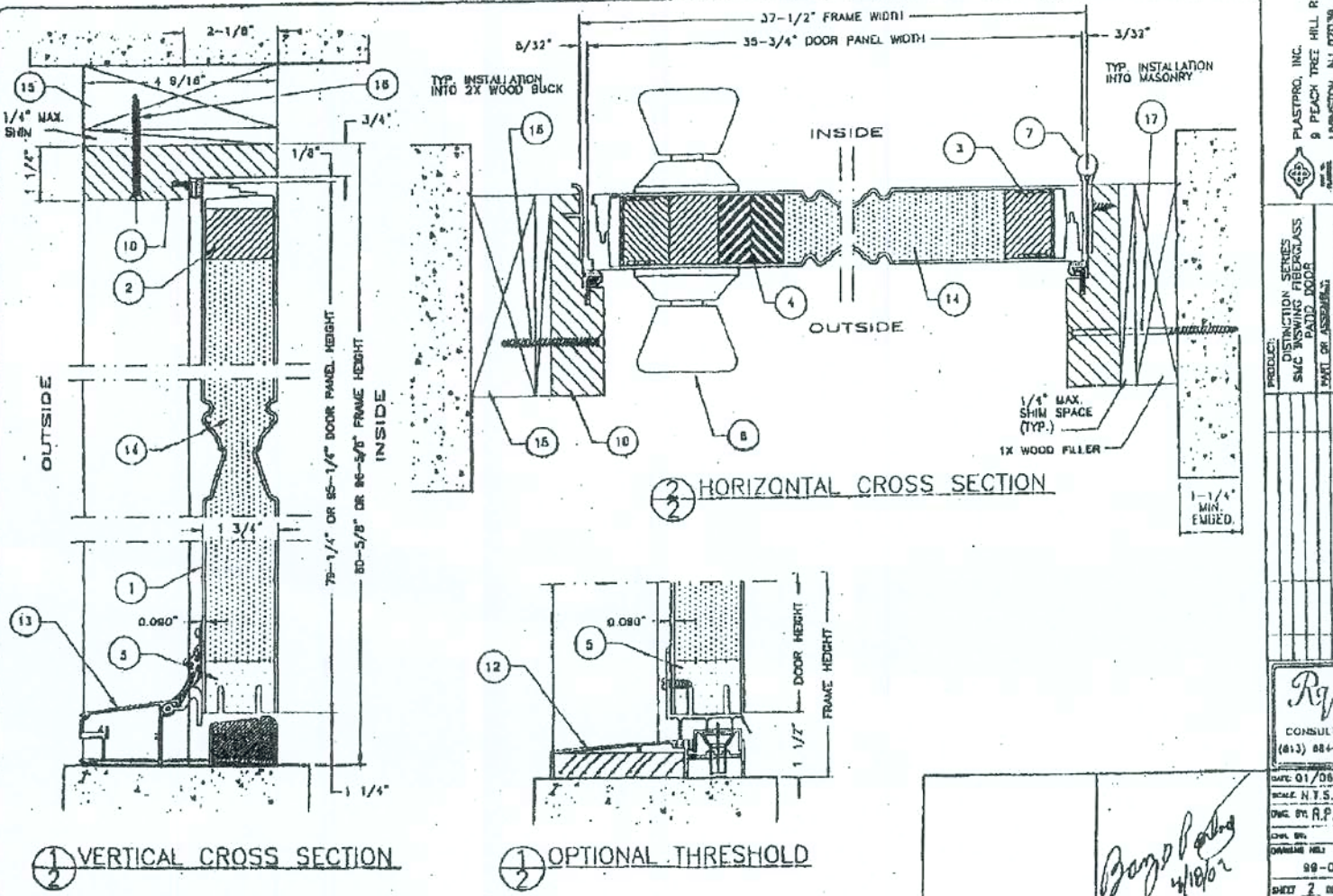
ANCHOR LAYOUT FOR 6'-0" DOOR

ANCHOR LAYOUT FOR 6'-6" DOOR

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

RW CONSULTING
(813) 884-3831

DATE: 01/06/99
SCALE: N.T.S.
DOW: BY R.P.P.
CHK: BY
DRAWING NO: 98-01
SHEET: 1 OF 4



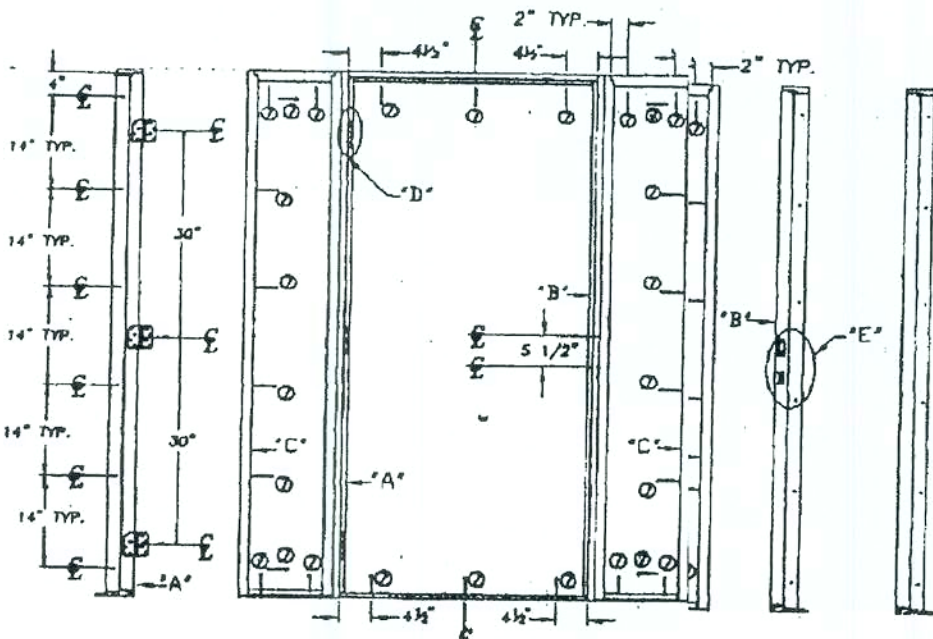
HORIZONTAL CROSS SECTION

OPTIONAL THRESHOLD

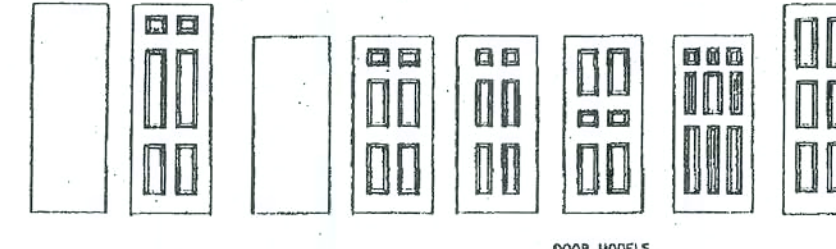
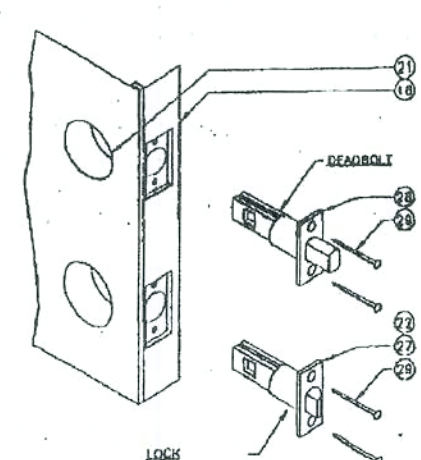
NOTE:
WHEN REQ. THE USE OF 2X SHALL BE ALLOWED USING (4) EVENLY SPACED 1/4" X 3" TAPCONS IN THE SIDES AND (2) EVENLY SPACED 1/4" X 3" TAPCONS IN THE HEADER ALL W/ 1/4" IMBEDMENT. IF NEEDED A 1X CAN BE NAILED 6" O.C. STAGGERED TO 2X. DOOR IS THEN ATTACHED PER DETAILS ON THIS PAGE.

FINAL ANCHORING OF A WOOD FRAME UP TO 5'4" X 6'8"
SINGLE INSULATING UNIT W/WD SIDELITES
PRODUCT ACCEPTANCE No.: DSI222

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



ITEM	DESCRIPTION	PART NO.	MATERIAL
1	DOOR LEAF (6' 0" X 6' 8")	98-01	SMC DOOR THE FIBERGLASS
2	TOP RAIL (6' 0" X 6' 8")	98-02	WOOD (MASONRY)
3	TOP RAIL (6' 0" X 6' 8")	98-03	WOOD (MASONRY)
4	HINGE STILE	98-04	STEEL (SS 316)
5	LOCK STILE	98-05	STEEL (SS 316)
6	DOOR BOTTOM (INSULATED)	98-06	WOOD (MASONRY)
7	DOOR BOTTOM (INSULATED)	98-07	WOOD (MASONRY)
8	DOOR BOTTOM (INSULATED)	98-08	WOOD (MASONRY)
9	DOOR BOTTOM (INSULATED)	98-09	WOOD (MASONRY)
10	DOOR BOTTOM (INSULATED)	98-10	WOOD (MASONRY)
11	DOOR BOTTOM (INSULATED)	98-11	WOOD (MASONRY)
12	DOOR BOTTOM (INSULATED)	98-12	WOOD (MASONRY)
13	DOOR BOTTOM (INSULATED)	98-13	WOOD (MASONRY)
14	DOOR BOTTOM (INSULATED)	98-14	WOOD (MASONRY)
15	DOOR BOTTOM (INSULATED)	98-15	WOOD (MASONRY)
16	DOOR BOTTOM (INSULATED)	98-16	WOOD (MASONRY)
17	DOOR BOTTOM (INSULATED)	98-17	WOOD (MASONRY)
18	DOOR BOTTOM (INSULATED)	98-18	WOOD (MASONRY)
19	DOOR BOTTOM (INSULATED)	98-19	WOOD (MASONRY)
20	DOOR BOTTOM (INSULATED)	98-20	WOOD (MASONRY)



DOOR MODELS

Product Acceptance No.: DSI222	
Size: up to 5'4" x 6'8"	Configuration: X, OXO, XO, OX
Single Opaque	+80 -80
W/Sidelites	+80 -80
Single Glaz. ad	+75 -80
W/Sidelites	+64 -77
(Door does not meet Missile Impact)	+60 -71
Test # 210-1987, 210-2024	+60 -60
	+56 -67
	+50 -60
	+50 -61

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

EXT. DOOR DETAILS
IN SWING-FIBERGLASS

RELEASE DATE:

SHEET:
FDI

Maronda Homes

COPYRIGHT © 2002 MARONDA HOMES

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

01 JUN 2003 09:03:53

DISTINCTION SERIES

SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

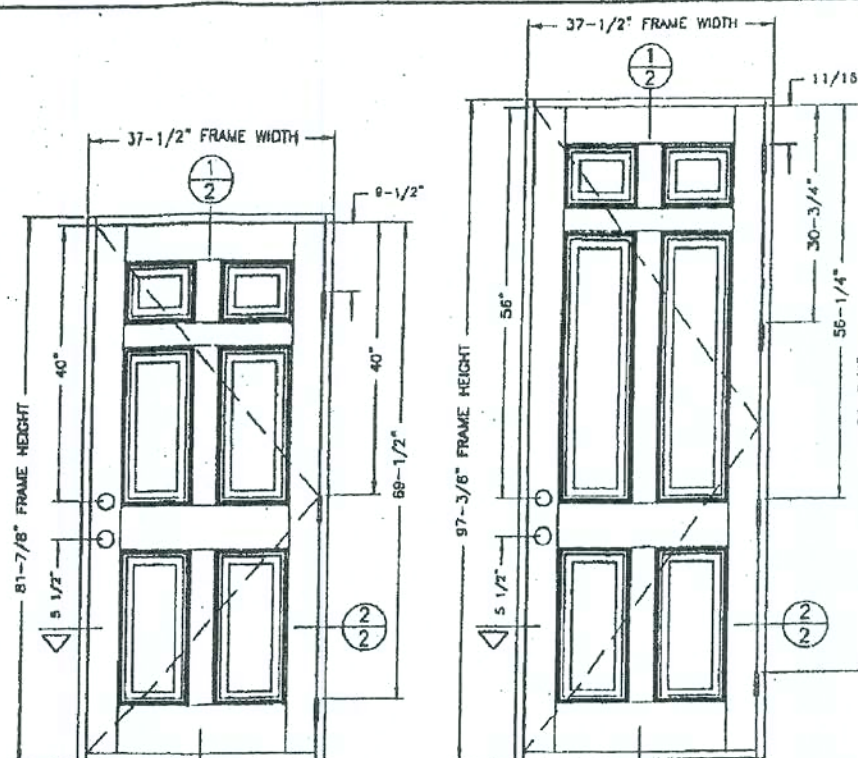
- THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1984 EDITION FOR MIAMI-DADE COUNTY.
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE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

DISTINCTION SMC FIBERGLASS DOOR

DOOR LEAF CONSTRUCTION:
FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.075" THK 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.

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SHEET #	DESCRIPTION
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TYPICAL ELEVATION 6'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)	
POSITIVE	+50 PSF
NEGATIVE	-50 PSF

TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #2)	
POSITIVE	+80 PSF
NEGATIVE	-80 PSF

PROJECT: DISTINCTION SERIES SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME	DATE: 01/08/99
DESIGNED BY: R.P.P.	DATE: 01/08/99
CHECKED BY: R.P.P.	DATE: 01/08/99
APPROVED BY: R.P.P.	DATE: 01/08/99
CONSULTING (813) 884-3831	DATE: 01/08/99

DISTINCTION SERIES

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

GENERAL NOTES

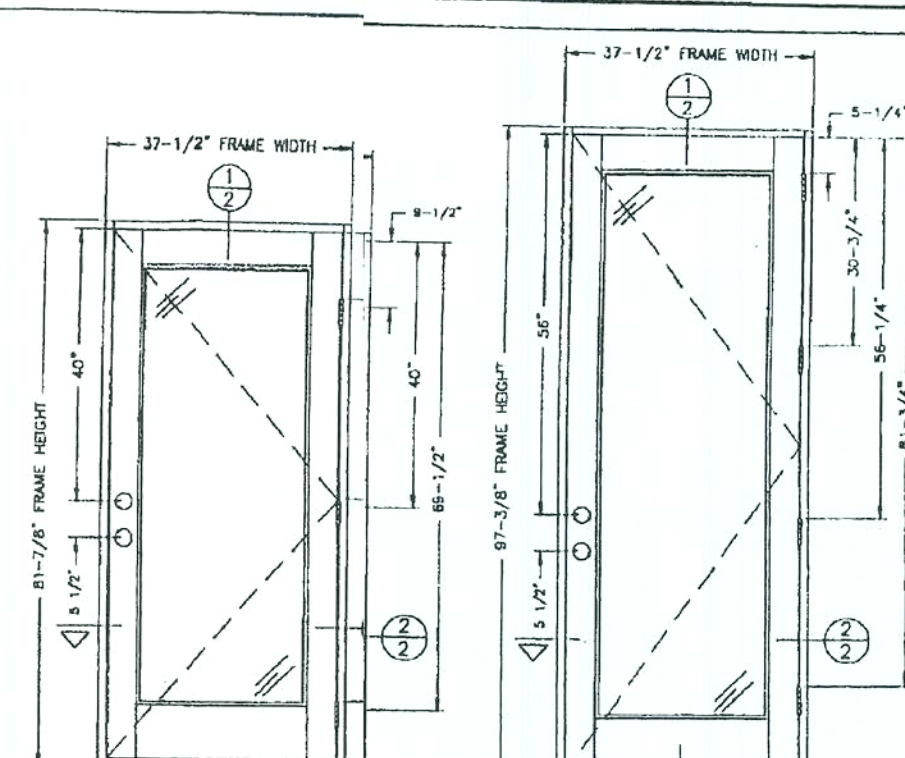
- THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1984 EDITION FOR MIAMI-DADE COUNTY.
- WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
- PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE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

DOOR LEAF CONSTRUCTION

- FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.075 THK 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.
- GLAZING: 5/8" OVERALL THICKNESS INSULATED GLASS PANEL CONSISTING OF TWO 1/8" TEMPERED LITES AND ONE AIR SPACE.
- REINFORCING: ONE (1) "U" SHAPED STEEL REINFORCING CHANNEL MEASURING 1.591" X 0.748" X 0.076" THK. WAS LOCATED AT EACH PANEL STILE. (6'-0" DOOR ONLY)

TABLE OF CONTENTS

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



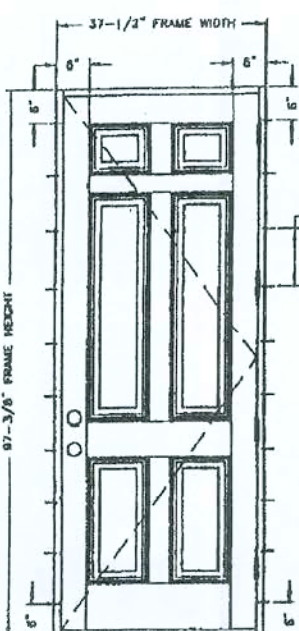
TYPICAL ELEVATION 6'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)	
POSITIVE	+50 PSF
NEGATIVE	-50 PSF

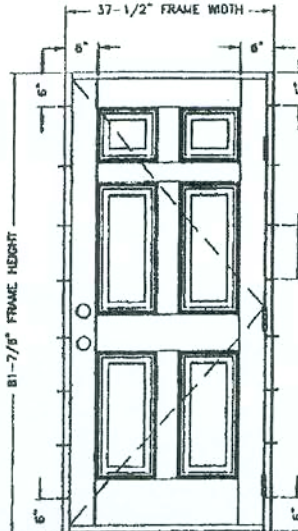
TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #2)	
POSITIVE	+80 PSF
NEGATIVE	-80 PSF

PROJECT: DISTINCTION SERIES SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME (STEEL REINFORCED WITH FUL GLASS LITE)	DATE: 01/08/99
DESIGNED BY: R.P.P.	DATE: 01/08/99
CHECKED BY: R.P.P.	DATE: 01/08/99
APPROVED BY: R.P.P.	DATE: 01/08/99
CONSULTING (813) 884-3831	DATE: 01/08/99



ANCHOR LAYOUT FOR 6'-0" DOOR

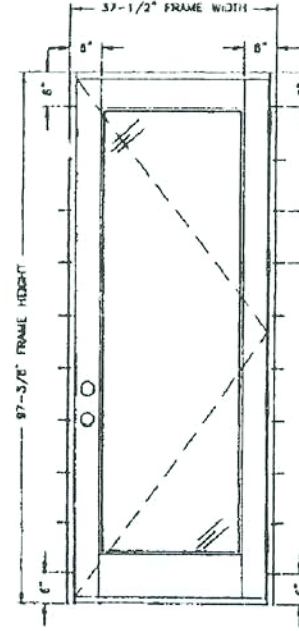


ANCHOR LAYOUT FOR 8'-0" DOOR

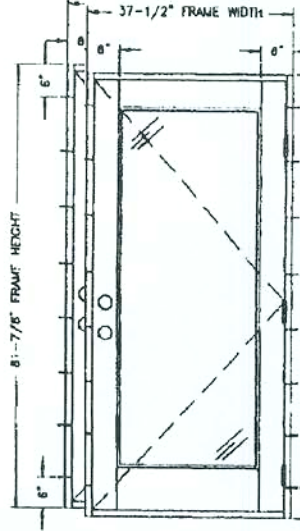
TYPICAL ANCHORS

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

PROJECT: DISTINCTION SERIES SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME	DATE: 01/08/99
DESIGNED BY: R.P.P.	DATE: 01/08/99
CHECKED BY: R.P.P.	DATE: 01/08/99
APPROVED BY: R.P.P.	DATE: 01/08/99
CONSULTING (813) 884-3831	DATE: 01/08/99



ANCHOR LAYOUT FOR 6'-0" DOOR

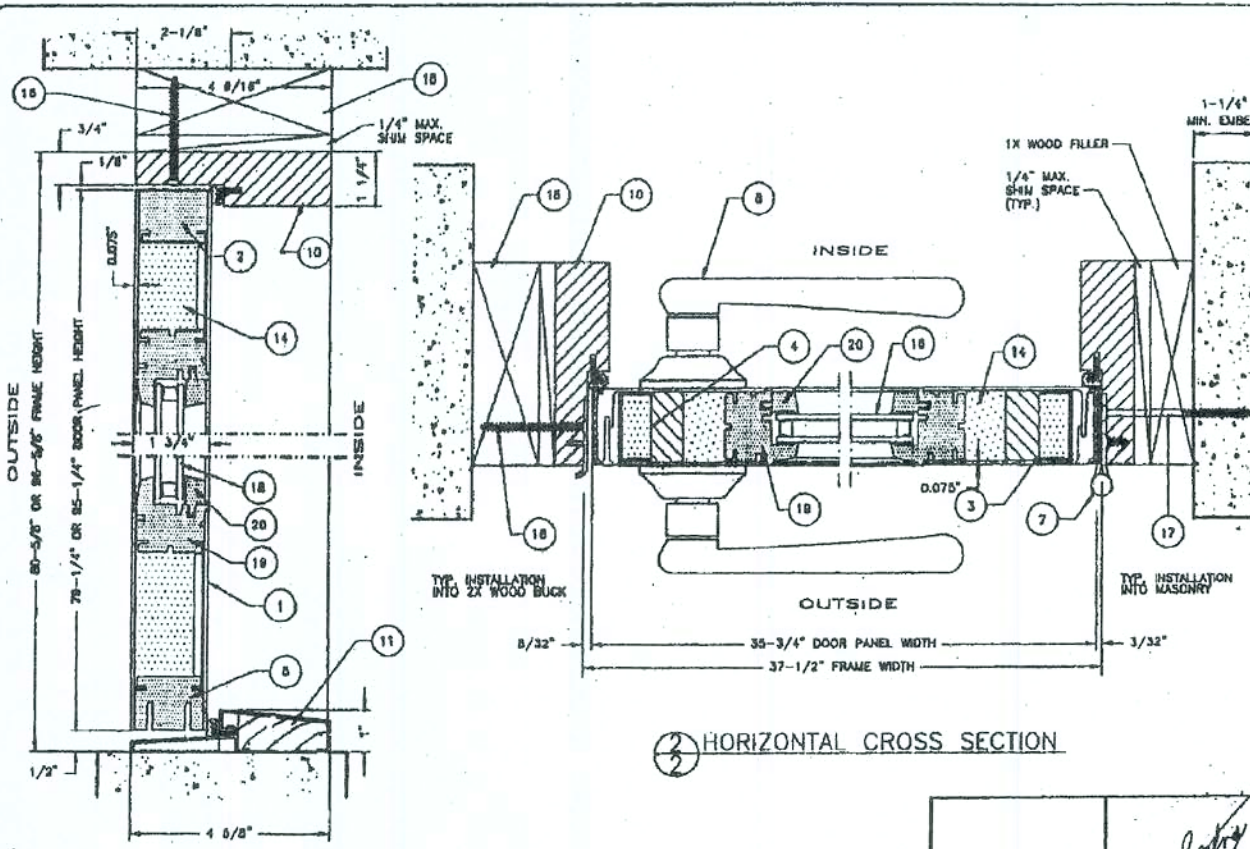


ANCHOR LAYOUT FOR 8'-0" DOOR

TYPICAL ANCHORS

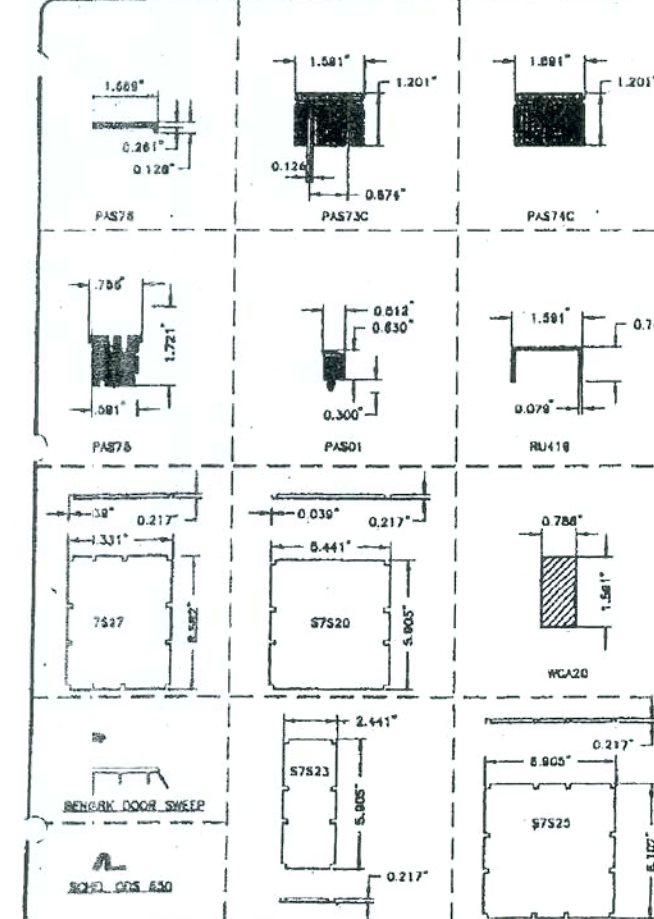
- INTO 2BY WOOD BUCKS OR WOOD STRUCTURE #8 SWS, 1-1/2" MIN. EMBEDMENT
- INTO 1BY WOOD BUCKS AND INTO MASONRY 3/16" DIA. TAPSCREWS WITH 1-1/4" MIN. EMBEDMENT

PROJECT: DISTINCTION SERIES SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME (STEEL REINFORCED WITH FUL GLASS LITE)	DATE: 01/08/99
DESIGNED BY: R.P.P.	DATE: 01/08/99
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CONSULTING (813) 884-3831	DATE: 01/08/99



HORIZONTAL CROSS SECTION

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APPROVED BY: R.P.P.	DATE: 01/08/99
CONSULTING (813) 884-3831	DATE: 01/08/99



ITEM	DESCRIPTION	PART NO.	MATERIAL
1	DOOR SHIELD (SEE PANEL 6-3)	PAST1C	PVC FRAME
2	TOP RAIL	PAST1C	PVC FRAME
3	HINGE STILE	PAST1C	PVC FRAME
4	LOCK STILE	PAST1C	PVC FRAME
5	BOTTOM RAIL	PAST1C	PVC FRAME
6	DOOR BOTTOM (INSWING)	PAST1C	PVC FRAME
7	BUILT IN HINGE	PAST1C	PVC FRAME
8	DOOR LOCK	PAST1C	PVC FRAME
9	DOOR SWEEP	PAST1C	PVC FRAME
10	DOOR FRAME	PAST1C	PVC FRAME
11	THRESHOLD (OUTSWING)	PAST1C	PVC FRAME
12	FOAM CORE	PAST1C	PVC FRAME
13	ANCHOR	PAST1C	PVC FRAME
14	INSULATED GLASS UNIT (IGU) TYPE OF 1/2" THK. GLASS & AIR SPACE	PAST1C	PVC FRAME
15	GLASS PANEL	PAST1C	PVC FRAME

PROJECT: DISTINCTION SERIES SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME	DATE: 01/08/99
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ITEM	DESCRIPTION	PART NO.	MATERIAL
1	DOOR SHIELD (SEE PANEL 6-3)	PAST1C	PVC FRAME
2	TOP RAIL	PAST1C	PVC FRAME
3	HINGE STILE	PAST1C	PVC FRAME
4	LOCK STILE	PAST1C	PVC FRAME
5	BOTTOM RAIL	PAST1C	PVC FRAME
6	DOOR BOTTOM (INSWING)	PAST1C	PVC FRAME
7	BUILT IN HINGE	PAST1C	PVC FRAME
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11	THRESHOLD (OUTSWING)	PAST1C	PVC FRAME
12	FOAM CORE	PAST1C	PVC FRAME
13	ANCHOR	PAST1C	PVC FRAME
14	INSULATED GLASS UNIT (IGU) TYPE OF 1/2" THK. GLASS & AIR SPACE	PAST1C	PVC FRAME
15	GLASS PANEL	PAST1C	PVC FRAME

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EXT. DOOR DETAILS

OUT SWING-FIBERGLASS

SHEET: FD 2

Maronda Homes

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RELEASE DATE:

02/06/2003