COVINGTON - 4G

FLORIDA DESIGN CRITERIA
REVISED 05-03-07

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 R301.2.)

CLASSIFICATION : 2

OCCUPANCY: RESIDENTIAL

BUILDING DESIGN: ENCLOSED

WIND SPEED: 125 MPH - 3 SECOND GUST (FRC 2004 : SECTION R301.2.1.3)

EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 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 R320.1.8)

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, SSTD 12, ANSI/DASMA 115 (FOR GARAGE DOORS) OR TAS201, 202 AND 203 . (FRC 2004, SECTION R301.2.1.2)

INDEX OF DRAWINGS

SHEET NO.	TITLE
ARCH	- ARCHITECTURALS
0	COVER SHEET
1	EXTERIOR ELEVATIONS
2	FOUNDATION PLAN
3	FLOOR PLAN
WL1	WINDOW & LINTEL SCHEDULE
3A	INTERIOR ELEVATIONS AND DETAILS
CSU	BUILDING SECTION [AS REQ'D]
RS1	ROOF SHEATHING
MIPS	- ROOF TRUSS ENGINEERING
TR1	ROOF TRUSS INFO
MECH	- ELECTRICAL
EL1	ELECTRICAL FIRST FLOOR
EL1A	ELECTRICAL DETAILS / LOAD CALCS
MECH	- HVAC
HVA	HVAC REGISTER LAYOUT
ISO-H	HVAC ISOMETRIC
MECH	- PLUMBING
FP1, 2	PLUMBING UNDERGROUND PLAN
ISO-P	DWV PLUMBING ISOMETRIC
ISO-W	CPVC WATER ISOMETRIC
ARCH	- STANDARD DETAILS
FTG	STANDARD DETAILS - FOOTINGS
WS-B1	STANDARD DETAILS - WALL SECTION
SD1	STANDARD DETAILS
SDD	STANDARD DETAILS - DOORS
SDW	STANDARD DETAILS - WINDOWS
SDH	STANDARD DETAILS - HEATING

COLUMBIA COUNTY BUILDING DEPARTMENT
Received for FILE COPY
Code Compliance
PLANS EXAMINER

REVISIONS :

08-14-07 REV. CODE INFORMATION

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

9TM01001 JAX
9TM
10-1

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301.2.1.2 OF THE FLORIDA BUILDING CODE, 2004 RESIDENTIAL AND 2005, 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, HVL EXPOSURE B, ENCLOSED BUILDING. ALL CONNECTORS HAVE BEEN SPECIFIED TO WITHSTAND ALL APPLICABLE LOADS.

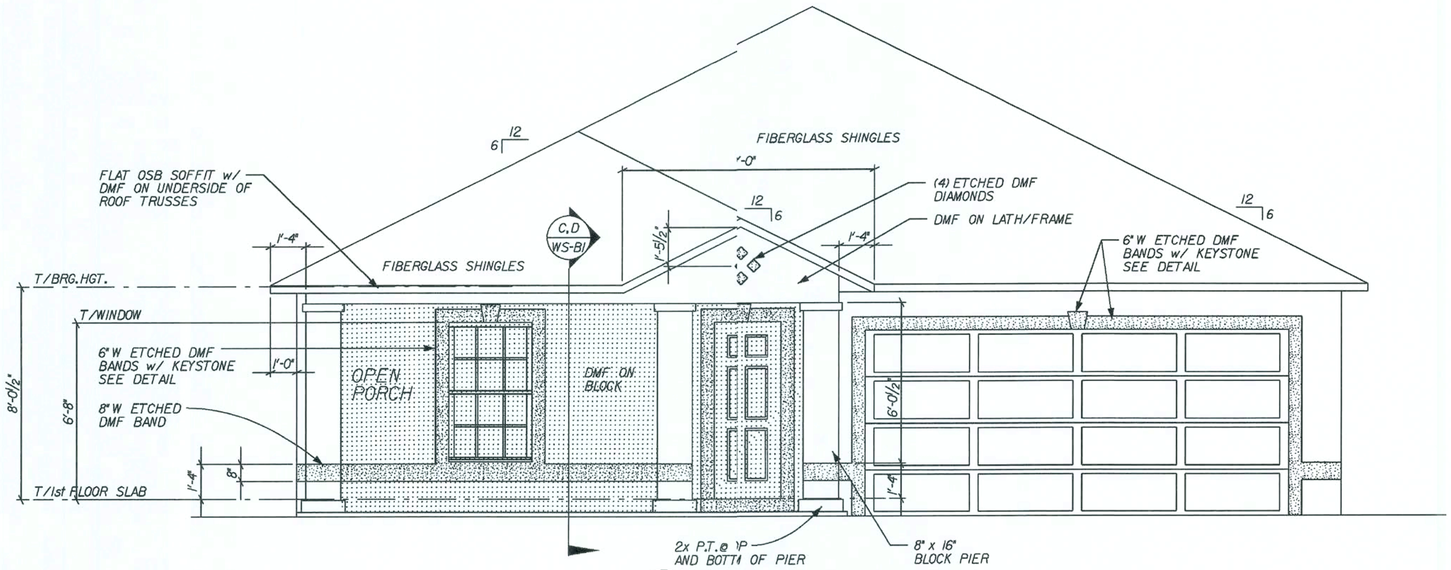
AMERICANA COVER SHEET
COVINGTON-4
ELEVATION-G
GARAGE: RIGHT
125 MPH
DRAWN BY:
RELEASE DATE: 05-19-05
10:39:15
PLOT DATE: 15 JAN 2008
P:\N\houses_05\covington4\v25\cov4g-125.000

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

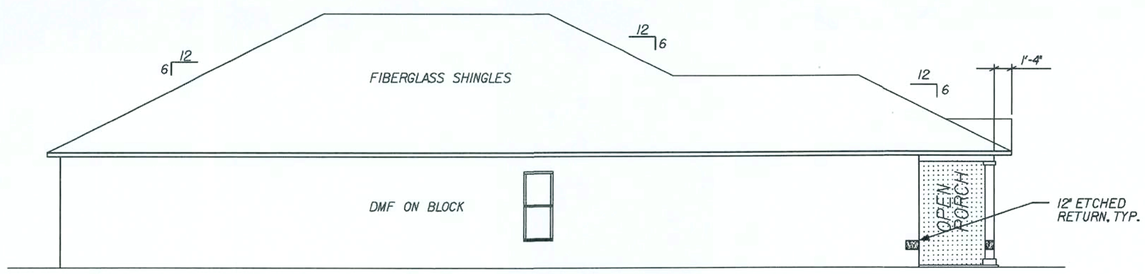
Elmer Bergman, P.E.
License No. 50158
MAY 29 2008

SHEET:
0g

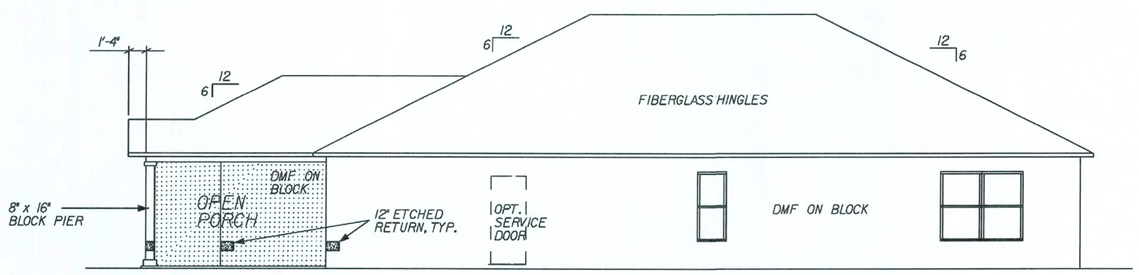
THIS DRAWING WAS PRINTED BY USING THE AMERICAN VIDEO SOFTWARE AND HAS BEEN REVIEWED BY SE, US, SI, MF, PB, IF, ES, LS, IT AND II.



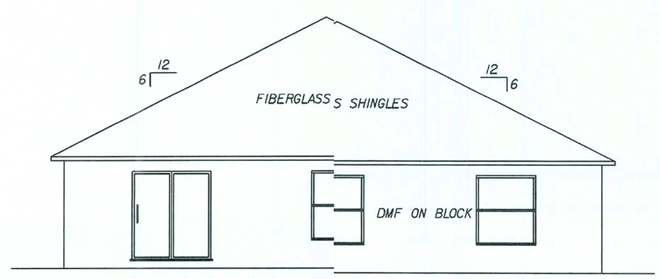
A FRONT ELEVATION
1/4" = 1'-0"



B LEFT ELEVATION
1/8" = 1'-0"



C RIGHT ELEVATION
1/8" = 1'-0"

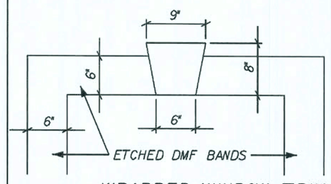


D REAR ELEVATION
1/8" = 1'-0"

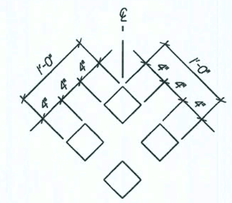
GENERAL ELEVATION NOTES:

1. DMF - DECO MASONRY/STUCCO FINISH SHALL COMPLY WITH THE REQUIREMENTS OF ATSM C926 AND C1063.
2. EAVE & GABLE OVERHANGS 12" ALUM FASCIA AND SOFFITS. PLUMB CUT WITH LEVEL RETURNS.
3. 7/8" MIN. THICKNESS DMF OVER LATH/FRAME 1/2" MIN. THICKNESS OVER BLOCK
4. DMF/STUCCO INSTALLED OVER PAPER-BACKED LATH AND HOUSEWRAP @ ALL EXTERIOR WOOD FRAME CONSTRUCTION.

REVISED 01-05-06



WRAPPED WINDOW TRIM
SCALE: 3/4" = 1'-0"



TYP. ETCHED DIAMONDS
SCALE: 3/4" = 1'-0"

REVISIONS :

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AMERICANA ELEVATIONS

COVINGTON-4

ELEVATION - G

DRAWN BY: GARAGE: RIGHT

RELEASE DATE: 05-19-05

10.39.15

p:\f1\houses_05\covington4\sto\cov4g.001

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

SHEET: 1g

PLOT DATE: 15 JAN 2008

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

GENERAL FOUNDATION NOTES:

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

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.

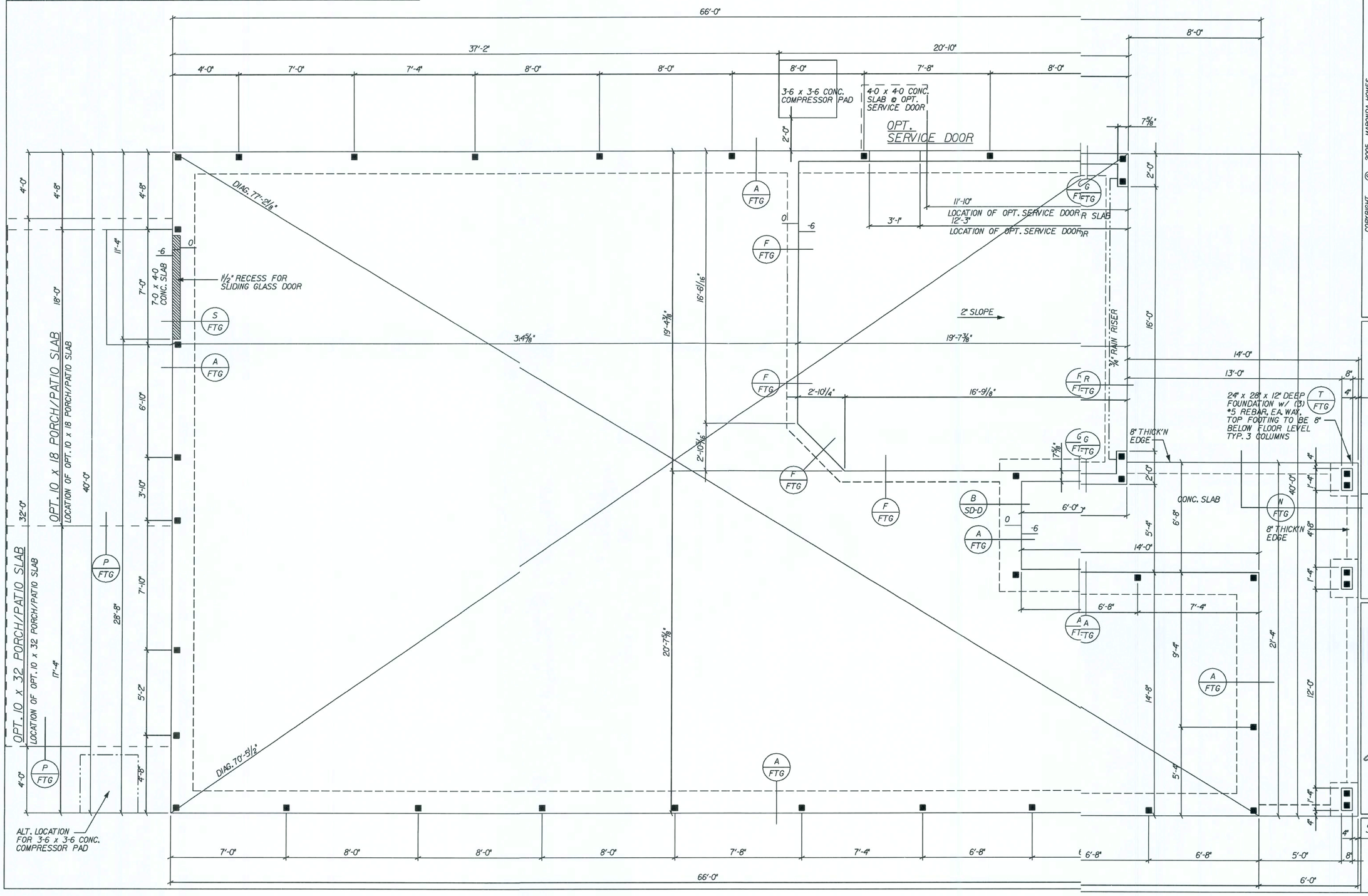
■ - INDICATES FILLED CELL WITH REBAR
□ - INDICATES FILLED CELL WITHOUT REBAR

ALL CONCRETE GROUTED CELLS FILLED w/ 3000 psi CONCRETE SHALL BE CLEAR UNOBSTRUCTED CONTINUOUS 3" x 3" MIN. CELLS w/ (1) #5 BAR GRADE 40 STEEL TIED AT FOOTING LINTEL STEEL. PROVIDE INSPECTION HOLE AT BOTTOM OF GROUTED CELL STACK.

TYPICAL CONCRETE SLAB: 3½" 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 psf, MIN.) TERMITE TREATED FILL.

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

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



REVISIONS :

04-24-06 REVISED NOTE AT GARAGE DOOR
07-12-06 ADDED DOOR PAN DETAIL MARKER
10-17-06 REV. A/C SPACE IN GARAGE
08-14-07 REV. CODE INFORMATION

Maronda Homes

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THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE FLORIDA BUILDING CODE 2004 RESIDENTIAL WITH 2005, 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST. HIG. EXPOSURE B, ENCLOSED BUILDING. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

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AMERICANA FOUNDATION PLAN

COVINGTON-4

ELEVATION-G

GARAGE: RIGHT

125 MPH

DRAWN BY:

RELEASE DATE: 05-19-05

10:39:16

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(407)321-0064

Elmer Bergman, P.E.
License No. 50158

MAY 29 2008

SHEET: 2g

PLOT DATE: 15 JAN 2008

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

GENERAL FIRST FLOOR NOTES:

REVISED 10-10-07

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

EXTERIOR WALLS TO BE 7⅝" CONCRETE BLOCK w/ P.T. FURRING STRIPS IN A/C AREA, TOTAL WIDTH = 8⅝"

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 = TR1

INTERIOR NON-LOAD BEARING WALLS TO BE NOMINAL 3⅝" MTL STUD, 25 ga., U.N.O.

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

SEE LINTEL SHEET FOR LINTEL SIZES OVER WINDOWS AND DOORS. PRECAST LINTELS BY CAST-CRETE.

ALL COMPOSITE BEAMS OVER WINDOW AND DOOR OPENINGS ARE TO BE 8" NOMINAL WIDTH AND 16" NOMINAL HEIGHT, U.N.O. THE 16" NOMINAL HEIGHT SHALL CONSIST OF AN 8" TOP COURSE (BOND BEAM BLOCK) FILLED w/ 3000 psi CONCRETE w/ (1) GRADE 40 CONTINUOUS HORZ. #5 REBAR AND AN 8" HIGH STRENGTH PRECAST LINTEL LOWER COURSE WHICH SHALL BE UNFILLED, U.N.O. FOR FILLED PRECAST LINTELS, USE 3000 psi CONCRETE w/ ⅜" AGGREGATE, FOR REINFORCED PRECAST LINTELS, USE GRADE 40 REINFORCING STEEL.

PROVIDE SAFETY GLAZING AT: T = TEMPERED
ALL WINDOWS OVER BATH TUBS.
ALL WINDOWS WITHIN 24" OF A DOOR SWING.
ALL FIXED GLASS LITES OVER 30 SQ.FT.
ALL LITES WITHIN 18" OF THE FLOOR AND INDIVIDUAL PANE GREATER THAN 9 SQ.FT.
ALL SHOWER ENCLOSURES.

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

ALL DRYWALL TO BE ½" THICK, U.N.O.

SC DOOR = MIN. 1⅜" THICK SOLID CORE DOOR

OPENING PRESSURES 125mph:

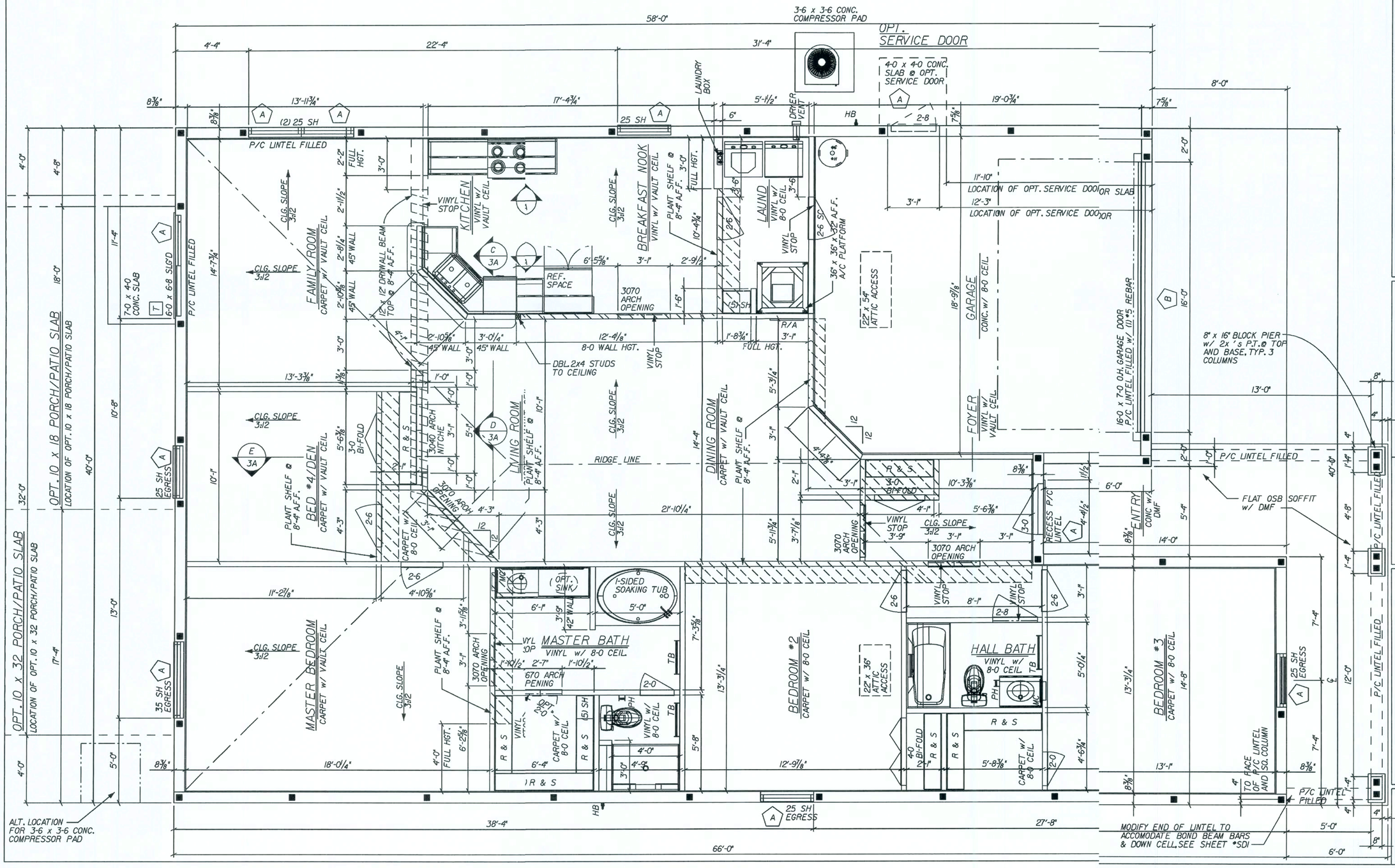
REVISED 09-12-07

A: +28.1 / -30.5	B: +23.7 / -27.6	E: +24.2 / -27.1	
C: +28.1 / -37.6	D: +24.9 / -29.7		

SQUARE FOOTAGE:

1st FLOOR LIVING	2023 SQ. FT.
GARAGE AREA	382 SQ. FT.
COVERED ENTRY	212 SQ. FT.
TOTAL AREA	2617 SQ. FT.

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



FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :
12-18-06 REV. SERVICE DOOR SWING
08-13-07 REV. WALL @ WASHER -> 6" STUD

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08-14-07 REV. CODE INFORMATION

AMERICANA FIRST FLOOR PLAN

COVINGTON-4

ELEVATION-G

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 05-19-05

125 MPH

10.39.16

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

SHEET: 3g

PLOT DATE: 15 JAN 2008

FASTENERS SCHEDULE USING 3/16" X 2 1/4" 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 EA.SIDE JAMB
NOTE 5) 3,4,OR 5 HIGH: 3 FAST.EA.SIDE JAMB
NOTE 6) 6 HIGH 26 3/4": 4 FASTENERS IN EACH SIDE JAMB
NOTE 7) 438 WINDOW INTO FRAME OPENING: #10 X 1 3/4" SCREWS
NOTE 8) SGD FASTENED WITH: #10 1 3/4": PANHEAD ALL HOLES SILLS 3/16" X 1 3/4" ANCHORS EVERY HOLE

WINDOW NOTES

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

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 (MO)437-(FO)438 WINDOW SIZE CHART

SERIES 500/502 SGD DOOR OPENINGS

SIZE	M.O.	FAST.		SIZE	M.O.	FAST.	
6068	75 1/2 X 81 3/4	8		6080	75 1/2 X 97 3/4	8	

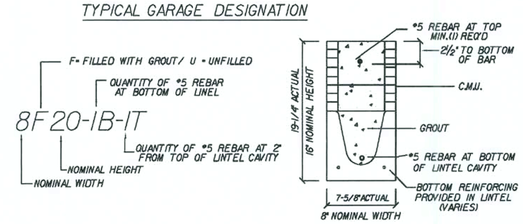
SERIES (MO)437 - (FO)438 OPENINGS

SIZE	SINGLE M.O.	FAST.	DOUBLE M.O.	FAST.	SIZE	SINGLE F.O.	FAST.	DOUBLE F.O.	FAST.
25	37 3/4 X 63	2,5	74 3/4 X 63	2,5					
35	53 7/8 X 63	3,5							

MATERIALS

1. f'c precast lintels = 3500 psi.
2. f'c prestressed lintels = 6000 psi.
3. f'c grout = 3000 psi w/ maximum 3/8 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 grde 270 low relaxation.
7. Tie wire per ASTM A510.
8. Mortar per ASTM C270 type M or S.

TYPICAL GARAGE DESIGNATION



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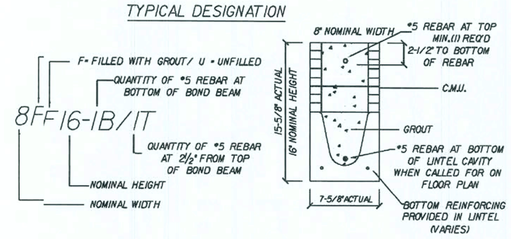


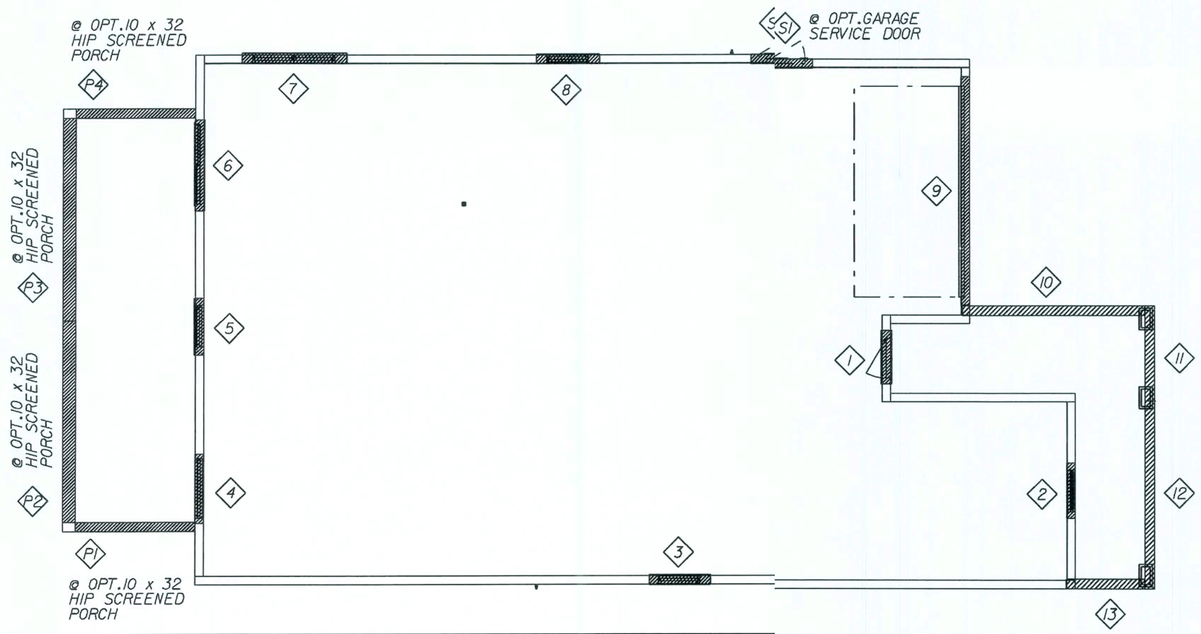
REVISED 12/29/04

CAST-CRETE LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF) GRAVITY	APPLIED LOADS (PLF) UPLIFT	SAFE LOADS GRAVITY	SAFE LOADS UPLIFT	COMMENT
1	4'-6"	8RU14-0B/IT	10	10	1494	2525	RECESSED
2	4'-6"	8U16-0B/IT	72	180	1599	2724	-
3	4'-6"	8U16-0B/IT	269	203	1599	2724	-
4	5'-10"	8U16-0B/IT	136	210	1062	2093	-
5	4'-6"	8U16-0B/IT	136	210	1599	2724	-
6	7'-6"	8F16-0B/IT	136	210	2632	1634	-
7	7'-6"	8F16-0B/IT	140	565	2632	1634	-
8	4'-6"	8U16-0B/IT	269	209	1599	2724	-
9	17'-4"	8F20-1B/IT	105	197	1326	520	GARAGE DOOR
S1	4'-6"	8U16-0B/IT	269	203	1599	2724	@ OPT.GARAGE SERVICE DR.
P1	10'-6"	8F8-0B/IT	584	470	643	530	@ OPT.PORCH
P2	15'-4"	8F8-0B/IT	108	190	412	224	@ OPT.PORCH
P3	15'-4"	8F8-0B/IT	108	190	412	224	@ OPT.PORCH
P4	10'-6"	8F8-0B/IT	584	470	643	530	@ OPT.PORCH

CAST-CRETE LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF) GRAVITY	APPLIED LOADS (PLF) UPLIFT	SAFE LOADS GRAVITY	SAFE LOADS UPLIFT	COMMENT
10	14'-0"	8F8-0B/IT	74	158	442	410	@ FRONT PORCH
11	7'-4"	8F8-0B/IT	74	158	1011	727	@ FRONT PORCH
12	14'-0"	8F8-0B/IT	74	158	442	410	@ FRONT PORCH
13	6'-0"	8F8-0B/IT	74	158	1238	835	@ FRONT PORCH



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 04-02-07

REVISIONS :

08-14-07 REV. CODE INFORMATION

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THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 1609 OF THE FLORIDA BUILDING CODE 2004 + RESIDENTIAL AND 2005, 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST. HALEXTOSURE IS ENCLOSED BUILDING. ALL CONNECTORS HAVE BEEN FACTORED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA | WINDOW/LINTEL
COVINGTON
ELEVATION "G"
DRAWN BY: GARAGE: RIGHT
RELEASE DATE: 05-19-05 125 MPH

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

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

SHEET: WLIg

PLOT DATE: 15 JAN 2008 10:39:17

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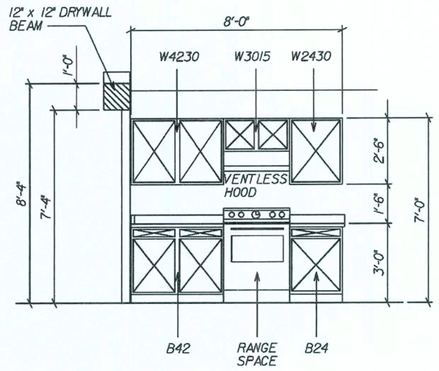
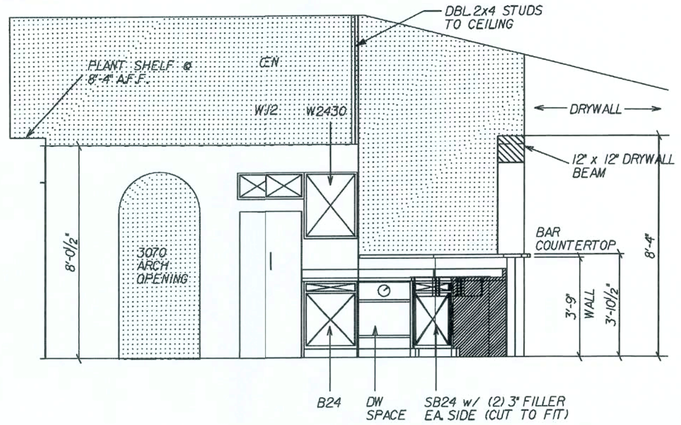
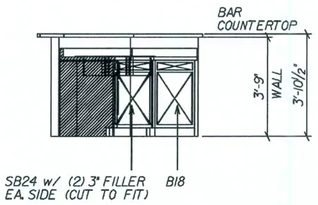
FLORIDA BUILDING CODE 2004 : RESIDENTIAL



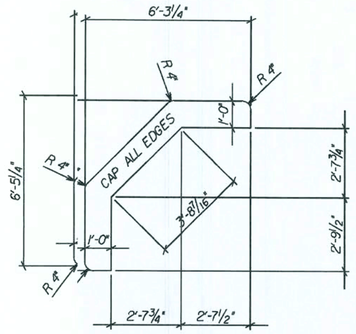
A KITCHEN ELEVATION



B KITCHEN ELEVATION

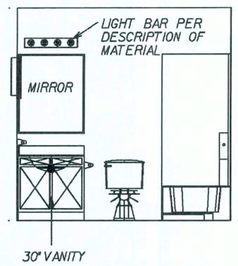


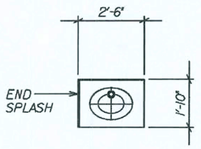
C KITCHEN ELEVATION



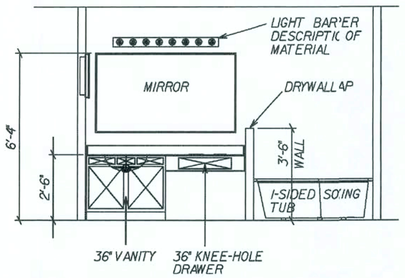
FOR COUNTERTOP CONSTRUCTION ONLY, NOT FOR FIELD USE

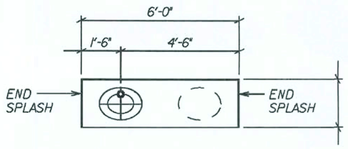
KITCHEN BAR COUNTERTOP



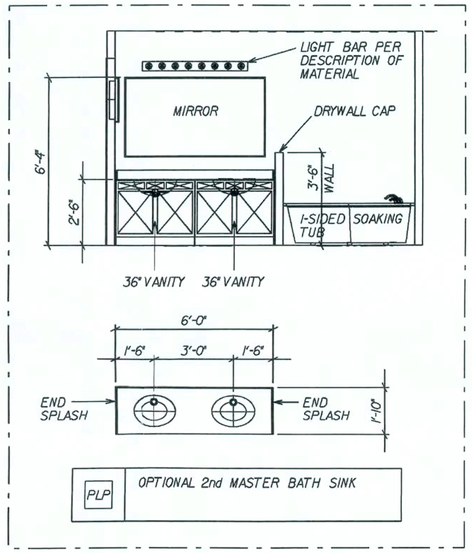


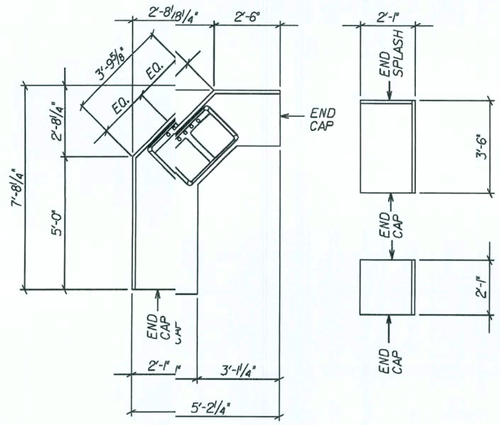
HALL BATHROOM





MASTER BATHROOM





KITCHEN COUNTERTOP

FOR COUNTERTOP CONSTRUCTION ONLY, NOT FOR FIELD USE

REVISIONS :

09-12-06 REV. KITCHEN CABINETS/FILLERS

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

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 RESIDENTIAL AND 2005, 2006 SUPPLEMENT

p:\f1\houses_05\covington\a\sfd\cov4.03a

AMERICANA INT. ELEV/DETAILS

COVINGTON-A

GARAGE: RIGHT

DRAWN BY:

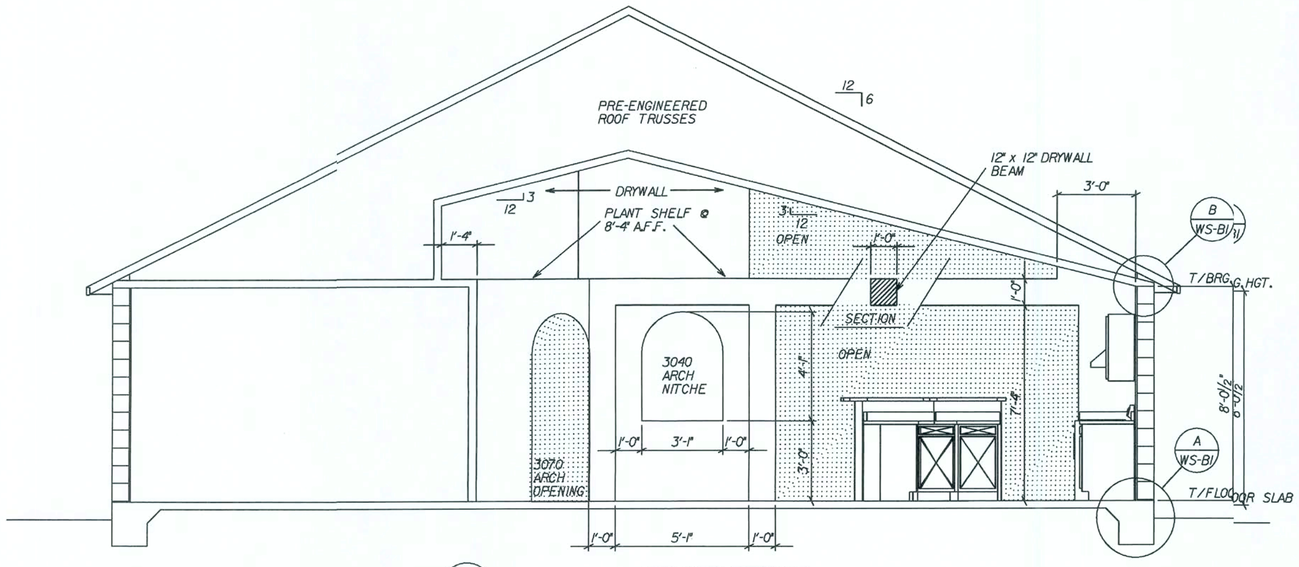
RELEASE DATE: 10-13-03

10:39:18

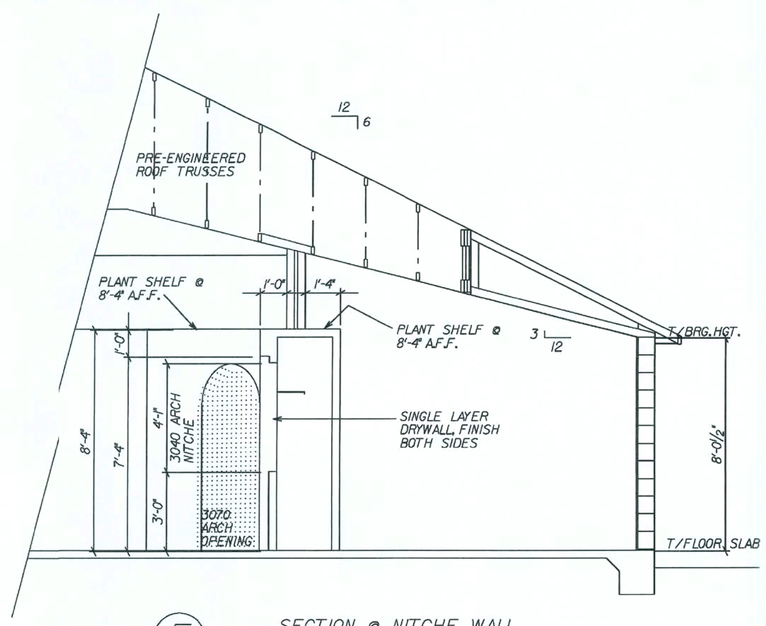
SHEET: 3A

PLOT DATE: 15 JAN 2008

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



D BUILDING SECTION



E SECTION @ NITCHE WALL

REVISIONS :

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Maronda Homes

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AMERICANA

SECTIONS

COVINGTON

ALL ELEVATIONS

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: / /

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

Elmer Bergman, P.E.
License No. 50158

MAY 29 2008

SHEET:

CSU

PLOT DATE: 15 JAN 2008 10:39:18

P:\Houses_05\covIngtonA\sfa\cov4.csu

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

GENERAL ROOF NOTES:

7/16" OSB SHT'G w/ 8d RING/SCREW SHANK NAIL (AS PER R803.2.3.1) 4" O.C. EDGE & 6" O.C. FIELD, (3" O.C. @ GABLE END TRUSS) w/ CLIPS ON PRE-ENGINEERED TRUSSES @ 24" O.C.

TOTAL ROOF SHEATHING:

109 SHEETS

VENTILATION CALCULATIONS OF ATTIC SPACE: COVINGTON

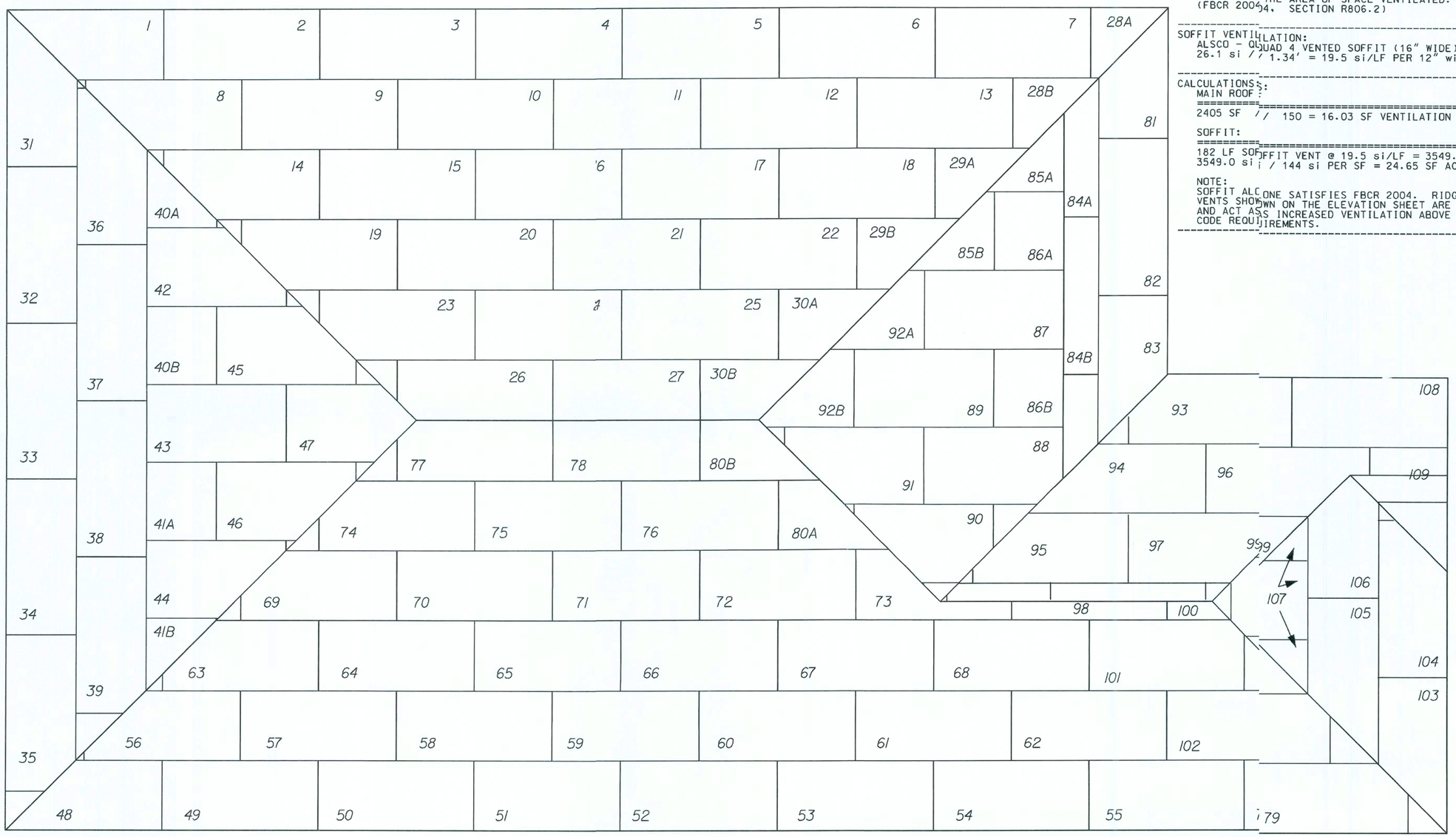
REQUIREMENTS:
TOTAL NET FREE VENTILATION AREA SHALL NOT BE LESS THAN 1/150 OF THE AREA OF SPACE VENTILATED.
(FBCR 2004, SECTION R806.2)

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

CALCULATIONS:
MAIN ROOF:
2405 SF / / 150 = 16.03 SF VENTILATION REQUIRED

SOFFIT:
182 LF SOFFIT VENT @ 19.5 si/LF = 3549.0 si
3549.0 si / 144 si PER SF = 24.65 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.



REVISED 05-07-07

REVISIONS :
06-16-06 REV. VENTILATION CALC.

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

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AMERICANA ROOF SHTG LAYOUT

COVINGTON-4

ELEVATION - G

DRAWN BY:
GARAGE: RIGHT
RELEASE DATE: 05-19-05

SHEET:
RS/g

PLOT DATE: 15 JAN 2008
10:39:19
p:\houses_05\covington4\sfc\cov4gr.sl

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

GENERAL TRUSS NOTES:

PROVIDE TRUSS BRACING PER TRUSS ENGINEERING AND TPIHIB-91

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

USP HARDWARE - 160%

MARK	PRODUCT CODE #	MAN.	FASTENERS	UPL 1FT
N	16d NAILS - (2) TOP CHORD NAILS / (2) BOTTOM CHORD NAILS			
1	HUS 26	USP	(14) 16d HEADER (6) 16d TRUSS	1925
2	HUS 28	USP	(22) 16d HEADER (8) 16d TRUSS	2570
3	JUS 26	USP	(4) 10d HEADER (4) 10d TRUSS	1115
4	MP6F	USP	HEADER/STUD (6) 8d TYPE 1 JOIST/PLATE (6) 8d	605
5	MPAI & MPAIF	USP	HEADER/STUD (6) 8d JOIST/PLATE (6) 8d	660
6	SKH 26 L/R	USP	HEADER (6) 16d JACK (6) 10d X 1½"	1085
7	SKHH26 L/R	USP	HEADER (18) 16d JACK (12) 10d X 1½"	2190
8	SUH 26	USP	HEADER (6) 10d JACK (4) 10d X 1½"	725
9	SUH 28	USP	HEADER (8) 10d JACK (6) 10d X 1½"	800
10	THD26	USP	HEADER (18) 16d TRUSS (12) 10d X 1½"	2170
11	THD28	USP	HEADER (28) 16d TRUSS (16) 10d X 1½"	2330
12	THD28-2	USP	HEADER (28) 16d TRUSS (16) 10d X 1½"	2485
13	THDH28-3	USP	HEADER (36) 16d TRUSS (16) 10d X 1½"	2665
14	THD48	USP	HEADER (28) 16d TRUSS (16) 10d X 1½"	2485
15	THJ 26	CLEVELAND	HIP(7)10d-HEADER(16)16d JACK (5) 10d x1½"	1010
16	(2) MTW 12	USP	(14) 10d (14) 10d x 1-1/2	2060
17	(2) MUGT15	USP	THREADED ROD (1) 5/8 GIRDER (22) 10d X 1½"	8330
18	(2) RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d X 1½"	2320
19	(2) MSTA24	USP	(18) 10d (18) 10d	3280
20	(2) RT16	USP	TOP PLATES (8) 8d TRUSS (8) 8d X 1½"	2060
21	C44	USP	POST (6) 16d BEAM (6) 10d X 1½"	1000
22	FA3	USP	TOP (4) 10d X 1½" SIDE (2) 10d X 1½"	1155
23	HC520 CLIP	USP	PLATES (11) 8d STUD (6) 8d	445
24	HHCP2 CRNR CLIP	USP	TRUSS (10) 10d X 1½" PLATE (10) 10d X 1½"	800
25	HTA 20 ANCHOR	USP	(14) 10d X 1½"	1615
26	HTA 20(2) ANCHOR	USP	(13) 10d X 1½"	3230
27	HTW24	USP	(20) 10d	1325
28	HUGT2	USP	CONC. ANC.BOLT (2)3/4"-(2)2"x2"WASH 3¼" " EMBED. -ALL GRDR.-(8) 10d	9790
29	HUGT3	USP	CONC. ANC.BOLT (2)3/4"-(2)3"x3"WASH 3¼" EMBED. -ALL GRDR.-(8) 10d	9860
30	KST227 STRP ANC.	USP	(34) 16d	4750
31	LPTA	USP	FACE OF GABLE W/ 2x4 (11) 10d x 1½"	1250
32	LSTA36	USP	(22) 10d X 1½"	1640
33	LTW12	USP	(12) 10d	670
34	LTS20 STRAP ANC	USP	ANCHOR-1/2" WEDGE BOLT 3¼" EMBED. (10) 10d X 1½"STRAP	1890
35	LBP12 BEARING PLT	USP	½" J-BOLT	2515
36	LFTA6	USP	PLATE (8) 8d STUD (8) 8d	1035
37	MSTA12	USP	(10) 10d	1015
38	MSTA18	USP	(14) 10d	1420
39	MSTA24	USP	(18) 10d	1640
40	MSTA30	USP	(22) 10d	2065
41	MTW12	USP	(14) 10d	1030
42	MTW18	USP	(14) 10d	1030
43	MTS27B STRP ANC	USP	(24) 16d (1)3/4" ANCHOR BOLT 3¼" EMBEDDED	4635
44	MUGT15	USP	(22) 10d (1)5/8" ANCHOR BOLT 3¾" EMBEDDED	4165
45	NP37 3/8X 7	USP	HEADER (6) 16d TOP OF BOT. SEC.(6) 10d X 1½"	
46	PA 28	USP	(15) 16d	3360
47	RT16	USP	TOP PLATES (8) 8d TRUSS (8) 8d X 1½"	1030
48	RT16A	USP	TRUSS (9) 10d x 1½" PLATE (8) 10d	1380
49	RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d X 1½"	1160
50	RT5 CLIPS L/R	USP	TRUSS (4) 8d PLATE (4) 8d	540
51	RT3 CLIPS L/R	USP	(4) 8d TOP (4) 8d BOTTOM	530
52	TA 12	USP	(5) 10d x 1½"	790
53	TA 14	USP	(7) 10d x 1½"	1110
54	TA 18	USP	(8) 10d x 1½"	1205
55	(2)TA 18	USP	(8) 10d x 1½" 1-PLY (8) 10d x 1½" 2-PLY	2410 2410
56	TA 24	USP	(8) 10d x 1½"	1205
57	(2)TA 24	USP	(8) 10d x 1½" 1-PLY (8) 10d x 1½" 2-PLY	2410 2410
58	USC63	USP	TRUSS (8) 10d (4)3/4" EXP. BOLTS #6170 2¾" EMBEDDED	1150
59	USC3F	USP	TRUSS (8) 10d (4)3/4" EXP. BOLTS #6170 2¾" EMBEDDED	1150
60	USC73	USP	TRUSS (8) 16d (4)3/4" EXP. BOLTS #6170 2¾" EMBEDDED	1150
61	UGTS63	USP	TRUSS (8) 16d (2)3/4" ANC. BOLTS 2¾" EMBEDDED	6170
62	(2) HTW24	USP	(20) 10d (20) 10d	2650

TRUSS HARDWARE SCHEULE

TRUSS ID	TRUSS TYPE	QUAN.	UPT LEFT	UPT M	UPT RIGHT	STRAP LEFT	STRAP MID	STRAP RIGHT
S1	HIP SCISSOR	5	616		616	54		54
S1A	HIP SCISSOR	2	613		613	54		54
S1B	HIP SCISSOR	2	613		613	54		54
H1A	HIP	1	502	L	403	54	54	54
HS1	HIP SCISSOR	1	613		613	54		54
HS2	HIP SCISSOR	1	609		609	54		54
HS3	HIP SCISSOR	1	613		613	54		54
HS4	HIP SCISSOR	1	613		613	54		54
HS5	HIP SCISSOR	1	614		614	54		54
HS6	HIP SCISSOR	1	614		614	54		54
HSGRD	3-PLY GIRDER	1	2501		2501	44		44
HS1A	HIP SCISSOR	1	613		613	54		54
HS2A	HIP SCISSOR	1	609		609	54		54
HS3A	HIP SCISSOR	1	613		613	54		54
HS4A	HIP SCISSOR	1	613		613	54		54
HS5A	HIP SCISSOR	1	613		613	54		54
HS6A	HIP SCISSOR	1	614		614	54		54
HGRD	2-PLY GIRDER	1	1828		2046	55		55
T1A	COMMON	2	309	4	309	54	54	54
T1AS	COMMON	3	128	2	337	54	54	54
HGRDA	1-PLY GIRDER	1	85	2	827	54	44	54
JGRD	HIP JACK	3	356		547	24		15
JSGRD	HIP JACK	2	272		376	24		15
JS1	END JACK	14	191	K	48	54	54	54
JS2	CORNER JACK	4	169		141	54		54
JS3	CORNER JACK	4	158		62	54		54
JS4	CORNER JACK	4	146		12	54		54
J1	END JACK	10	304	I	197	54	54	N
J2	CORNER JACK	5	247	H	47	54	54	N
J3	CORNER JACK	5	204	G	27	54	54	N
J4	CORNER JACK	5	157		11	54		N
J1S	CORNER JACK	2	186	I	218	54	54	N
J2S	CORNER JACK	1	124	H	47	54	54	N
J3S	CORNER JACK	1	67	G	27	54	54	N
J4S	CORNER JACK	1	9		33	54		N
RG1	REVERSE GABLE	1	74	6	80	54	54	54
V1	VALLEY SET	←			3.3	→		
V1A/V2A	VALLEY SET	←			3.3	→		

GENERAL TRUSS NOTES:

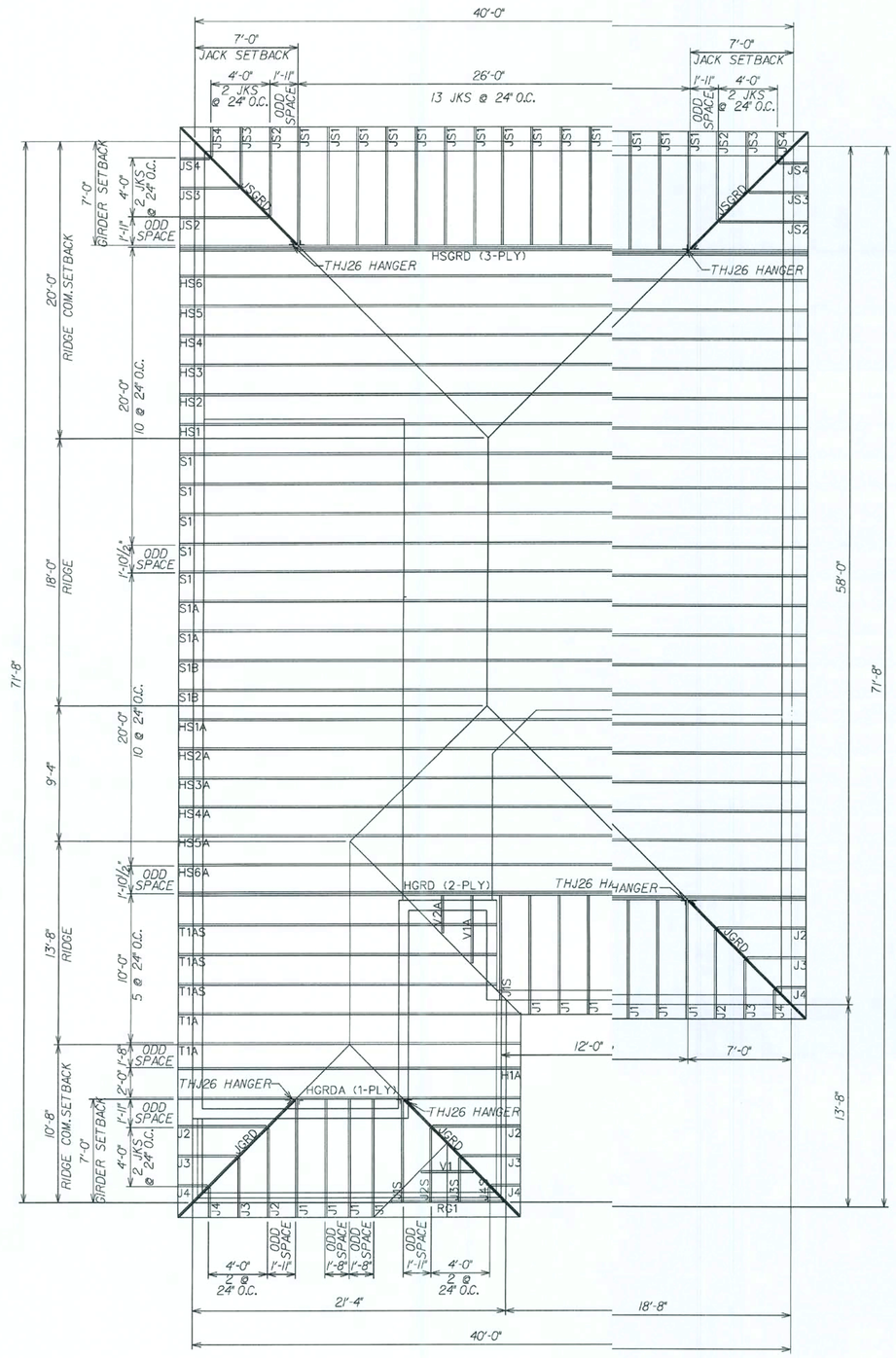
1. INFORMATION BASED ON 125 mph WIND LOAD. ALL PRESSURES WERE CALCULATED USING MWFRS/C-C HYBRID WIND ASCE 7-C
2. ROOF TRUSS LOADING:
   16 psf TOP CHORD LL
   7 psf TOP CHORD DL
   10 psf BOTTOM CHORD LL
   10 psf BOTTOM CHORD DL
   43 psf TOTAL LOAD
3. PROVIDE TRUSS BRACING PER TRU ENGINEERING & BCSI-03

REVISED 1/18/08

ALL HARDWARE MANUFACTURED BY USP XXXX

ALL HARDWARE MANUFACTURED BY SIMPSON XXXX [1]

ALL HARDWARE MANUFACTURED BY CLEVELAND XXXX [2]



REVISIONS :
01-03-07 REV. TRUSS UPLIFTS TO 2.BRG

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P:\Thouss.05\oplington\V25\vltek.tr1\coa4-g-125r.tr1

08-14-07 REV. CODE INFORMATION

AMERICANA ROOF TRUSS INFO

COVINGTON-4

ELEVATION "G"

DRAWN BY: K WARD GARAGE: RIGHT 125 MPH

RELEASE DATE: 10-19-07 08/17/06

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

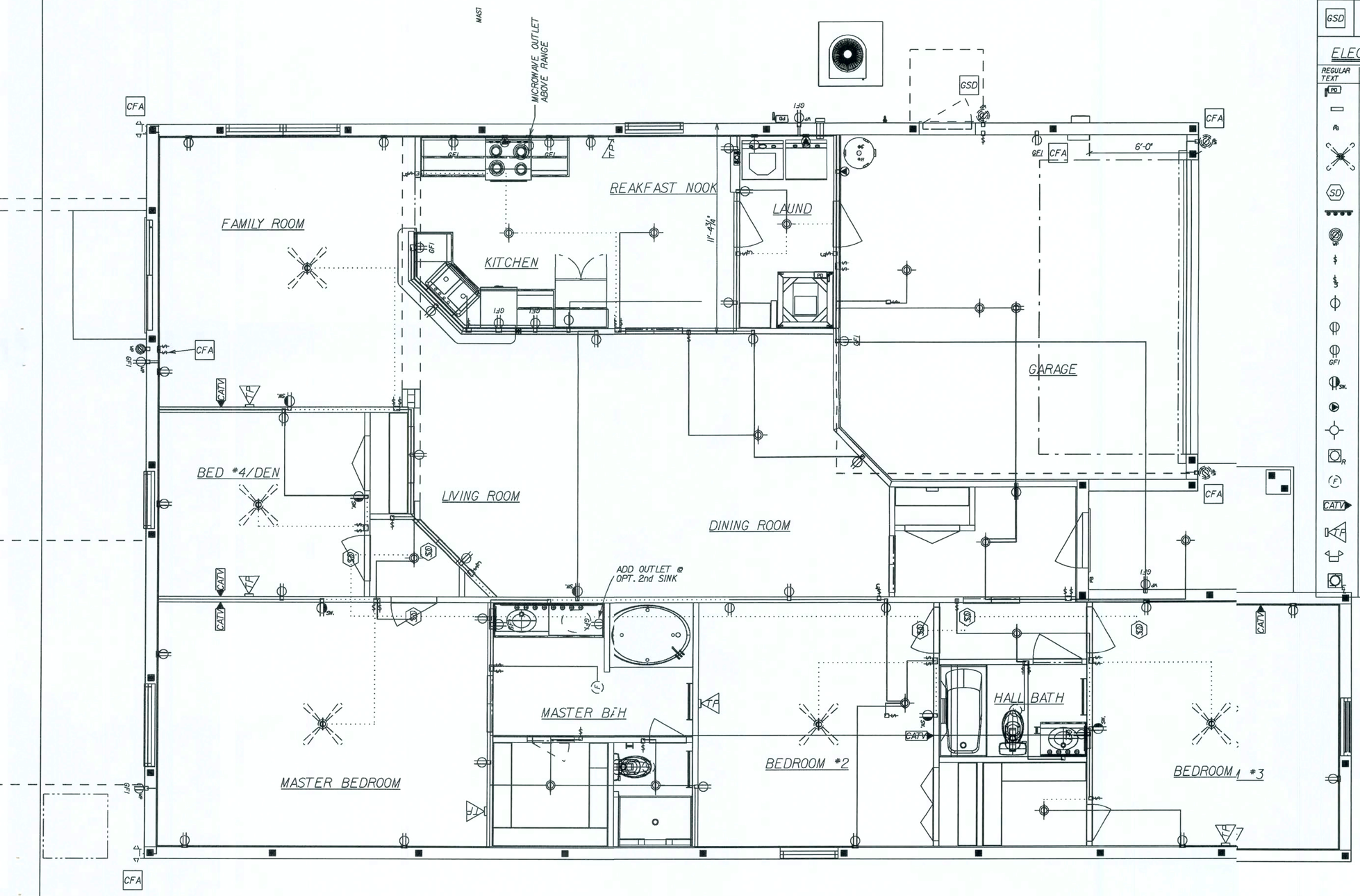
Elmer Bergman, P.E.
License No. 50158
MAY 29 2008

SHEET:
TR1g

PLOT DATE: 07 FEB 2008

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

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



GENERAL ELECTRICAL NOTES:

CIRCUITRY IS DIAGRAMATIC ONLY, FIELD CONDITIONS MAY CHANGE ACTUAL INSTALLATION.

PROVIDE AFCIs (arc-fault circuit interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210J2

SMOKE DETECTORS ARE INSTALLED PER MFG. INSTRUCTIONS AND NFPA 72, ALL DEVICES SHALL BE INTERCONNECTED WITH BATTERY BACK-UP.

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

REVISED 10-05-06

LIST OF OPTIONS:

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

ELECTRICAL SYMBOL LEGEND:

REGULAR TEXT	REVERSE TEXT	DESCRIPTION
PD	PD	Power Disconnect Switch
		Door Bell Chime
		Door Bell Buzzer
		Ceiling Fan (By Others)
SD	SD	Smoke Detector
		Light Fixture Bath
		Exterior WP Lamp
		Single Pole Switch
		Three Way Switch
		Single Receptacle
		Duplex Receptacle
GFI	GFI	GFI Receptacle
SW.	SW2	Switched Receptacle
		220 V. Special Receptacle
		Ceiling Ltg Fixture
R	R	Recessed Ltg. Fixture
F	F	Exhaust Fan
CATV	CATV	Cable TV
TP	TP	Telephone Outlet
		Flood Lights
		Exhaust Fan / Light Combo

REVISIONS:
1) REV.LOC.SD.@ HALL & COND.D.S.(12-29-06)
2) RELOC. SMKE. DET.- BEDRM.#3 (01-26-07)
02-19-07 ADD SMOKE DETECTOR TO MASTER BEDROOM

REVISED 03-19-07

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

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AMERICANA | 1st FLR. ELECTRICAL
COVINGTON-A
GARAGE: RIGHT
DRAWN BY:
RELEASE DATE: 10-13-03
10:50:41:5
PLOT DATE: 15 JAN 2008
p:\7\houses_05\covington\electr1\cov4all

The 2007 Florida Statutes

553.885 Carbon monoxide alarm required

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

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

SHEET: E1

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

elecitem REPORT

Tue Aug 12 13:33:51 2003
g:*fl*houses*covington4*electric*ele.ele

QUANTITY	DESCRIPTION
32	1451 Single Pole Switch
1	200 Amp Panel
3	220 V. Special Receptacle
1	ANC U200 - Underground Meter S:ket
20	CLN B418A - 4x4 Plastic Box
15	CLN B620H - Octagon Hanger
6	Cable TV
6	Ceiling Fan (By Others)
1	Deluxe Broadway 2' P3298-10
1	Deluxe Broadway 4' P3300-15
1	Door Bell Buzzer
1	Door Bell Chime
41	Duplex Receptacle
3	Exhaust Fan
1	Exterior WP Lamp
5	G.F.I. Receptacle
2	Garage Door WP Lamp
14	H-TT Overhead Light
2	Power Disconnect Switch
56	RAC 7302 - 1 Gang BoX
11	RAC 7835 - 2 Gang Box
1	Rear Door WP Lamp
3	Single Receptacle
6	Smoke Detector
5	Switched Receptacle
7	Telephone Outlet
6	Three Way Switch

elecinth REPORT

Tue Aug 12 13:33:52 2003
g:*fl*houses*covington4*electric*ele.ele

QUANTITY	DESCRIPTION
99'	10 Gauge/3 Cond. Copper
437'	12 Gauge/2 Cond. Copper
1639'	14 Gauge/2 Cond. Copper
443'	14 Gauge/3 Cond. Copper
77'	8 Gauge/3 Cond. Copper

ELECTRICAL LOAD CALCULATIONS

11/28/06

MODEL: COVINGTON 4

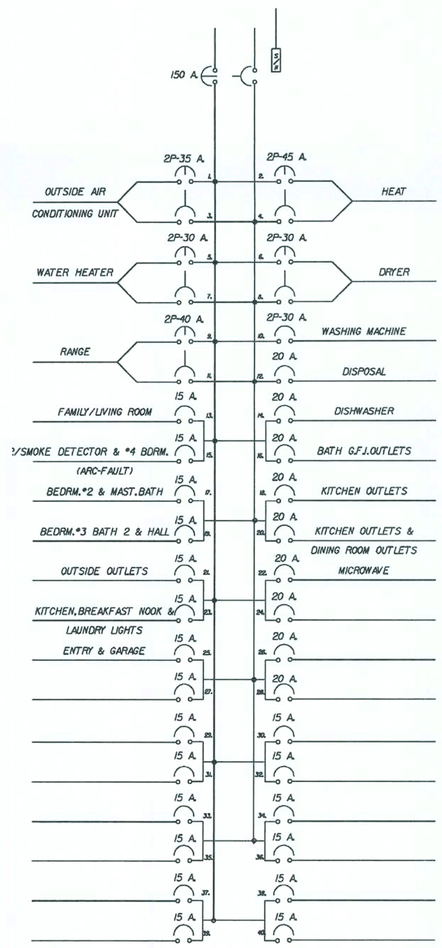
		VOLT/AMPS
LARGEST LOAD:HEAT PUMPW/SUPPLEMENTAL HEAT		**7200**
SQUARE FEET LIVING AREA	**2023** @ 3 VOLT/AMPS	6069
SMALL APPLIANCE CIRCUITS		3000
LAUNDRY CIRCUIT		1500
OVEN		11700
WATER HEATER		4500
DISHWASHER		1500
DRYER		5000
DISPOSAL		500
TOTAL LOAD		**33769**

FIRST 10KVA @100%	10000
REMAINDER @40%	9507.6
LARGEST LOAD	7200

TOTAL LOAD **26708** V.A./240 VOLTS= **111** AMPS

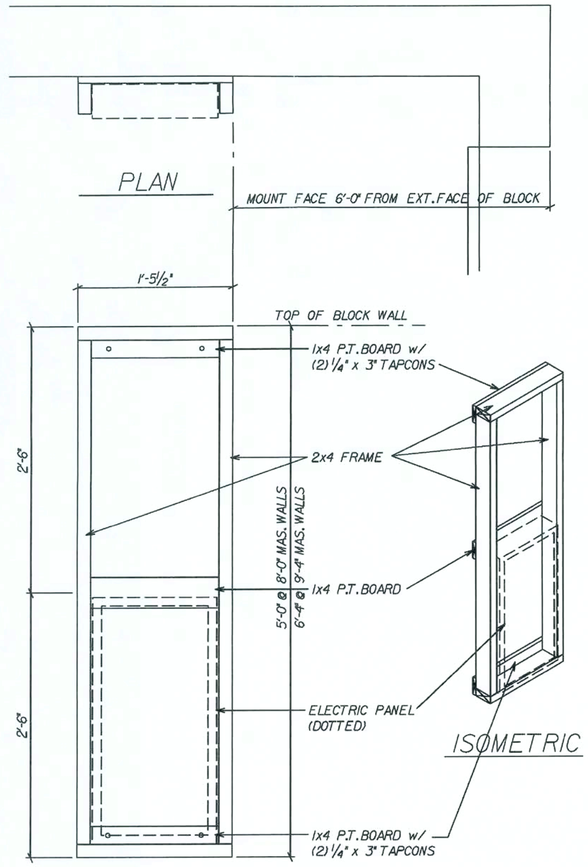
SERVICE SIZE: 150 AMPS

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



MAIN BREAKER LOAD CENTER

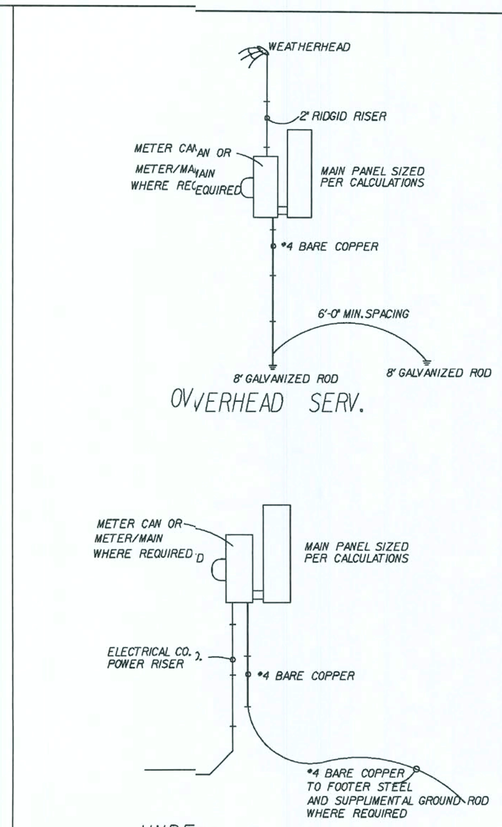
NOTE:
IF LOCAL CODE REQUESTS A LOCK-DOG DEVICE ON BREAKERS FOR APPLIANCES, FIELD WILL SUPPLY TO COMPLY



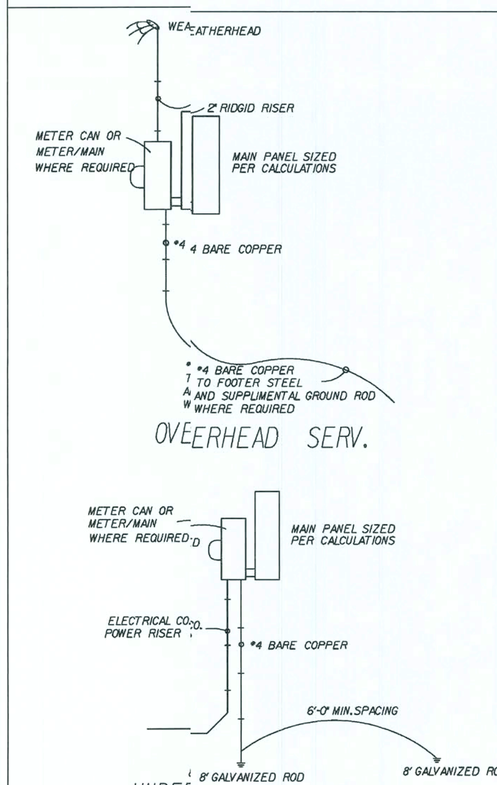
ELECTRIC PANEL FRAME

SCALE: 1" = 1'-0"

REVISED 09-07-07
ADDED HGT.@ 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 *

REVISIONS :

05-24-06	ADD NOTE FOR LOCK-DOG
11-28-06	REV. ELECT. LOAD CALC.
01-26-07	ELIM. SMOKE DETECT. HOME RUN.
02-19-07	ADD SMOKE DETECTOR TO MASTER BEDROOM

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p:\houses_05\cov1\rgfor4\electric\cov4.elo

AMERICANA ELECTRICAL DETAILS

COVINGTON-A

GARAGE:

DRAWN BY:

RELEASE DATE: 10-13-03

PLOT DATE: 15 JAN 2008 10:50:15

SHEET: ELIA

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

* USE WITH 13 SEER EQUIP. *

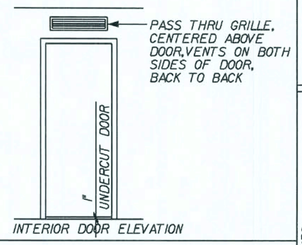
GENERAL MECHANICAL NOTES:

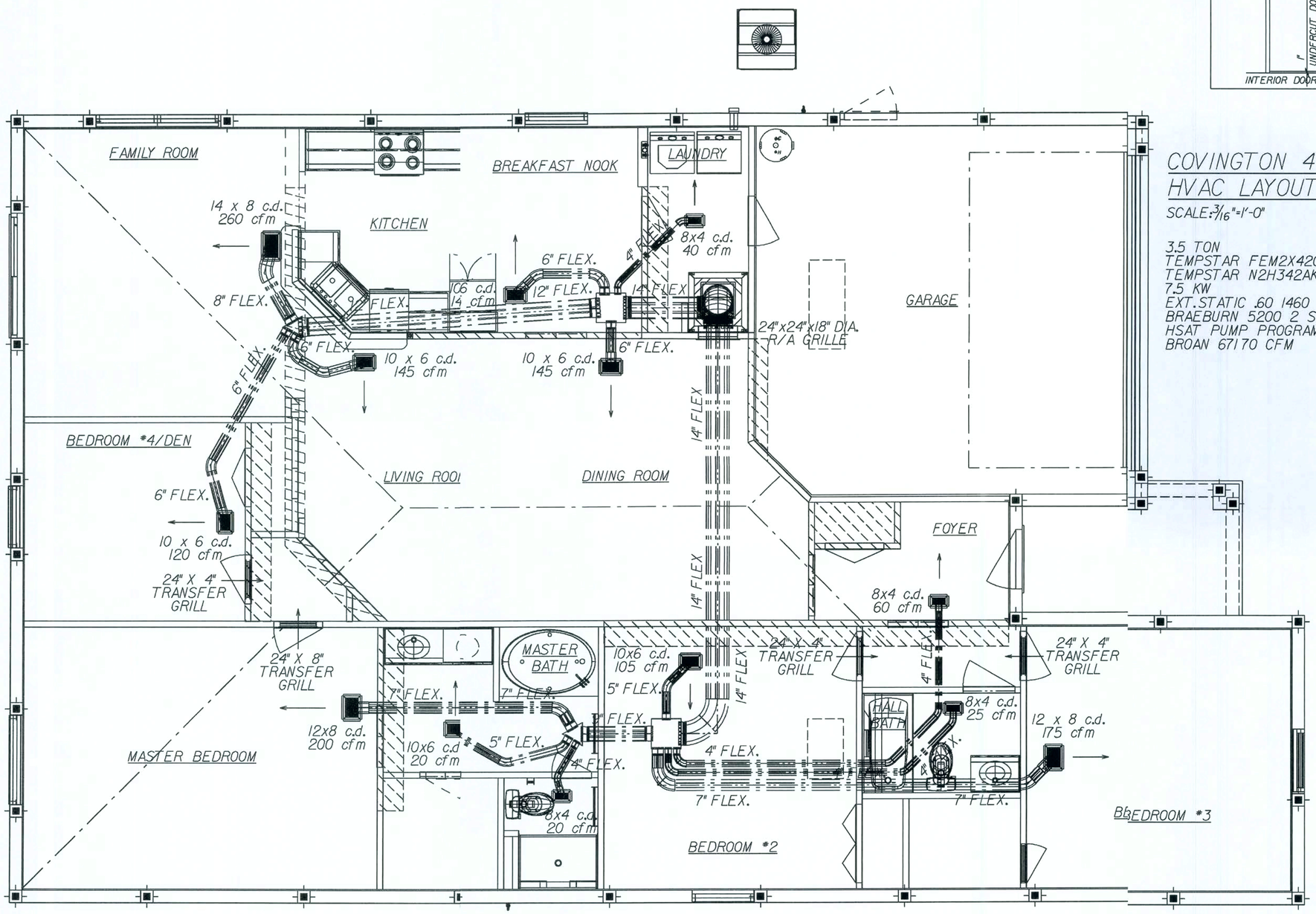
ALL TAPES, CONNECTORS AND MASTIC USED WILL BE UL-181 APPROVED.

SEE ELECTRIC PLANS FOR EXHAUST FAN LOCATIONS IN BATH AREAS.

SEE FLOOR PLAN FOR CLOTHES DRYER VENT LOCATION.

M1602.4 BALANCED RETURN AIR:
TRANSFER GRILLES @ HABITABLE ROOMS SEE DETAIL BELOW:





COVINGTON 4 BEDROOM HVAC LAYOUT

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

3.5 TON
TEMPSTAR FEM2X4200 13 SEER
TEMPSTAR N2H342AKA 13 SEER
7.5 KW
EXT.STATIC .60 1460 CFM H
BRAEBURN 5200 2 STAGE
HSAT PUMP PROGRAMMABLE
BROAN 67170 CFM

REVISIONS :
11-01-05 REMOVED ENG'S NOTE
11/09/06 COMPLETE 13 SEER UPDATE TJM
01/11/07 REVISED CFM'S AS PER DWGS.TJM
7/20/07 REVISED NOTES AS PER DWG.TJM

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FLORIDA
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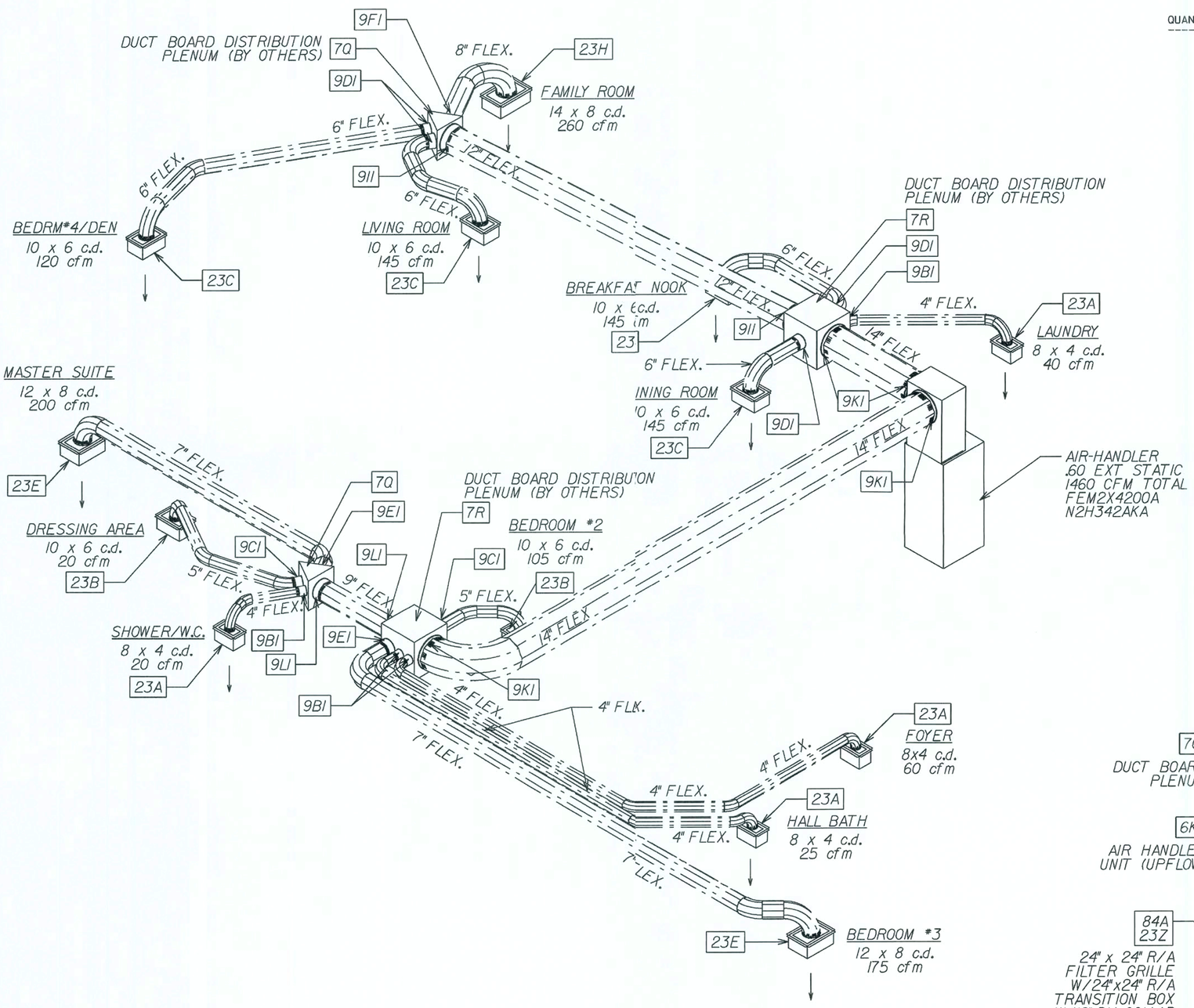
p:\f1\houses_05\covington\4\hvac\cov413.hvg

AMERICANA REGISTER LAYOUT
COVINGTON-4
GARAGE: RIGHT
DRAWN BY: TOM MARTINEZ
RELEASE DATE: 05/29/03
10:50:43
PLOT DATE: 15 JAN 2008

SHEET:
HVA

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

* USE WITH 13 SEER EQUIP. *



H.V.A.C ISOMETRIC

hvacitem REPORT

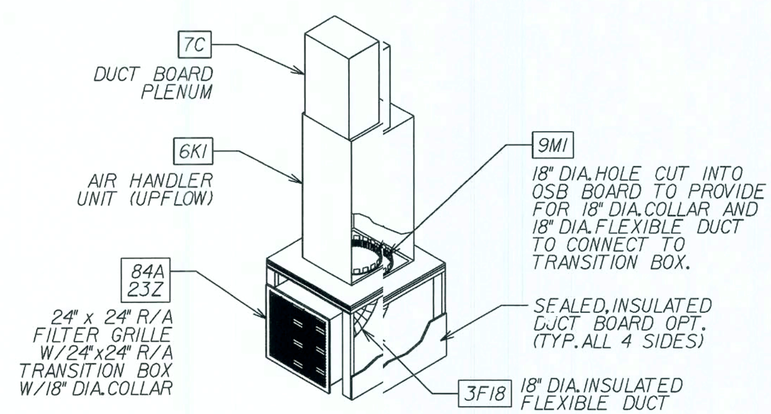
Fri Jul 20 13:44:31 2007
p:*fl*houses 05*covington4*hvac*cov4.htg

QUANTITY	DESCRIPTION			
4	23A	150045.00	035	8x4 CEILING BOOT W/4" DIA. COLLAR
2	23B	150045.00	036	10x6 CEILING BOOT W/5" DIA. COLLAR
4	23C	150045.00	036	10x6 CEILING BOOT W/6" DIA. COLLAR
2	23E	150045.00	038	12x8 CEILING BOOT W/7" DIA. COLLAR
1	23H	150045.00	039	14x8 CEILING BOOT W/8" DIA. COLLAR
1	23Z	150045.00	046	24x24 R/A TRANSITION BOOT W/18" COLLAR
15'	3F12	150040.00	098	12" FOIL FLEX R6
23'	3F14	150040.00	099	14" FOIL FLEX R6
1'	3F18	150040.01	138	18" FOIL FLEX R6
40'	3F4	150040.00	091	4" FOIL FLEX R6
7'	3F5	150040.00	092	5" FOIL FLEX R6
16'	3F6	150040.00	093	6" FOIL FLEX R6
30'	3F7	150040.00	094	7" FOIL FLEX R6
3'	3F8	150040.00	095	8" FOIL FLEX R6
4'	3F9	150040.00	096	9" FOIL FLEX R6
1	6K1	150005.00	044	FEM2X4200A 13 SEER 3.5 TON AIR HANDLER UNIT
1	6Q1	150010.01	104	N2H342AKA 13 SEER 3.5 TON CONDENSER
1	7C	150005.01	110	19x13x30"H BOX PLENUM
2	7Q	150040.01	118	DUCT PLENUM TRIANGLE
2	7R	150040.01	111	18" SQUARE DUCT PLENUM
4	81A	150055.00	041	24x4 TRANSFER GRILLE
4	81B	150045.00	052	24x4 TRANSFER GRILLE FRAME
1	81C	150055.00	078	24x8 TRANSFER GRILLE
1	81D	150045.00	078	24x8 TRANSFER GRILLE FRAME
1	84A	150055.00	032	24x24 RETURN AIR FILTER GRILLE
4	9B1	150040.00	075	4" K-COLLAR/ROTH (4KC/413)
2	9C1	150040.00	076	5" K-COLLAR/ROTH (5KC/413)
4	9D1	150040.00	077	6" K-COLLAR/ROTH (6KC/413)
2	9E1	150040.00	078	7" K-COLLAR/ROTH (7KC/413)
1	9F1	150040.00	079	8" K-COLLAR/ROTH (8KC/413)
2	9I1	150040.00	082	12" K-COLLAR/ROTH (12KC/413)
4	9K1	150040.00	083	14" K-COLLAR/ROTH (14KC/413)
2	9L1	150040.00	080	9" K-COLLAR/ROTH (9KC/413)
1	9M1	150040.01	137	18" K-COLLAR/ROTH (18KC/413)

MECHANICAL EQUIPMENT :

3.5 TON
TEMSTAR FEM2X4200 13 SEER
TEMSTAR N2H342AKA 13 SEER
7.5 KW
EXT.STATIC : .60 1460 CFM H
BRAEBURN 5 5200 2 STAGE
HSAT PUMP : PROGRAMMABLE
BROAN 671 (670 CFM) (2)
SIZE OF REDUCTION BOXES (DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)

ALL TAPES, CONNECTORS & MASTIC
USED WILL BE UL-181 APPROVED



RETURN-AIR ISOMETRIC

REVISIONS :
11/09/06 COMPLETE 13 SEER UPDATE TJM
01/11/07 REVISED CFM'S AS PER DWGS.TJM
7/20/07 REVISED NOTES AS PER DWG.TJM

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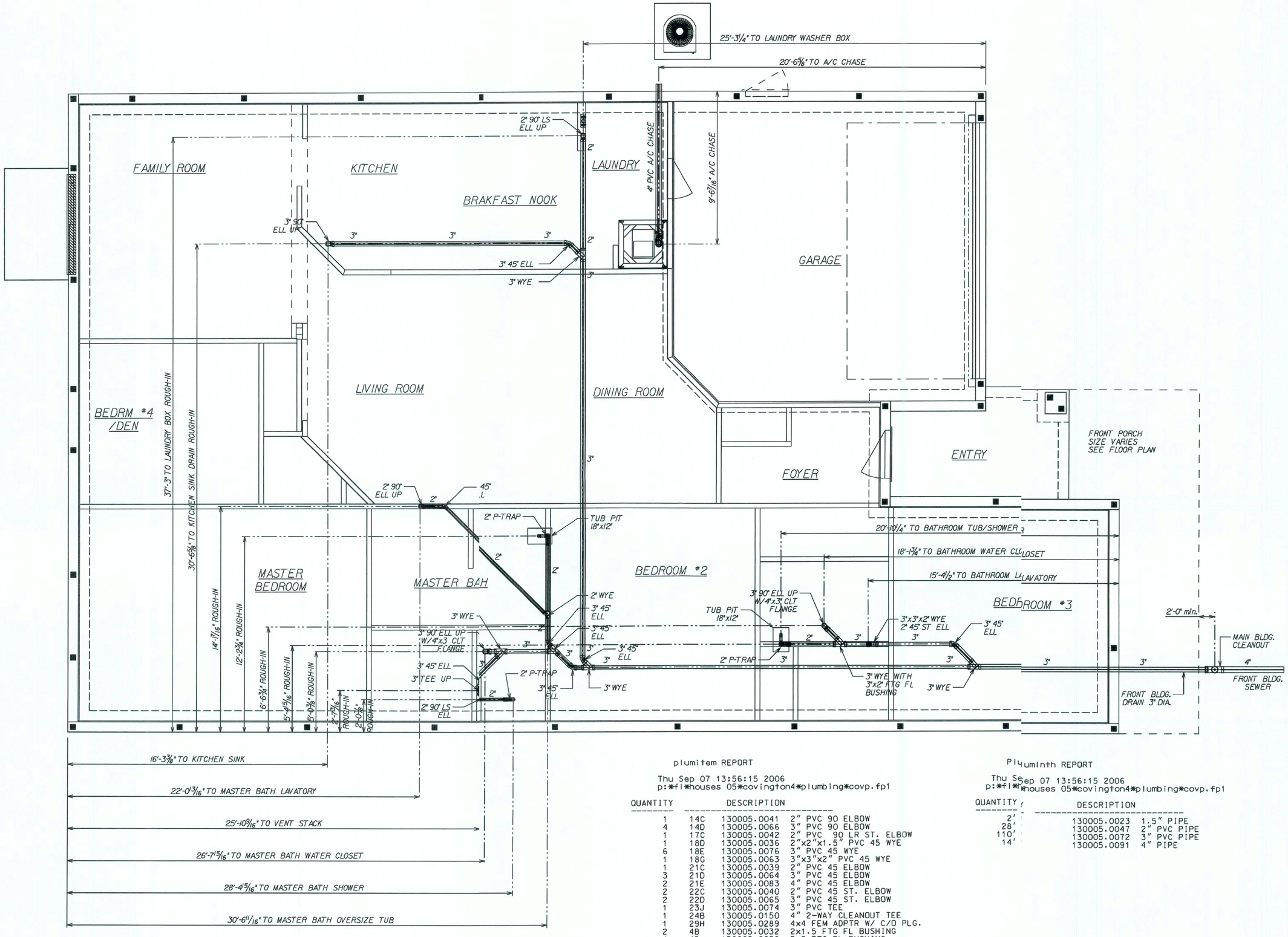
AMERICANA HVAC ISOMETRIC
COVINGTON-4
GARAGE: RIGHT
DRAWN BY:
RELEASE DATE: 10/13/03

SHEET: ISO-H

PLOT DATE: 15 JAN 2008 10:50:44
p:\f1\houses_05\covington4\hvac\cov1h3.iso

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



UNDER SLAB PLUMBING

plumitem REPORT

Thu Sep 07 13:56:15 2006
p:*fl*houses 05*covington4*plumbing*covp.fp1

QUANTITY			DESCRIPTION
1	14C	130005.0041	2" PVC 90 ELBOW
4	14D	130005.0066	3" PVC 90 ELBOW
1	17C	130005.0042	2" PVC 90 LR ST. ELBOW
1	18D	130005.0036	2"x2"x1.5" PVC 45 WYE
6	18E	130005.0076	3" PVC 45 WYE
1	18G	130005.0063	3"x3"x2" PVC 45 WYE
1	21C	130005.0039	2" PVC 45 ELBOW
3	21D	130005.0064	3" PVC 45 ELBOW
2	21E	130005.0083	4" PVC 45 ELBOW
2	22C	130005.0040	2" PVC 45 ST. ELBOW
2	22D	130005.0065	3" PVC 45 ST. ELBOW
1	23J	130005.0074	3" PVC TEE
1	24B	130005.0150	4" 2-WAY CLEANOUT TEE
1	29H	130005.0289	4x4 FEM ADPTR W/ C/O PLG.
2	4B	130005.0032	2x1.5 FTG FL BUSHING
4	4D	130005.0059	3x2 FTG FL BUSHING
1	4F	130005.0098	4x3 FTG FL BUSHING
2	67OA	130005.0105	1 1/2" WATCO TUB OVERFLOW ASSEMBLY
3	6B	130005.0046	2" P-TRAP

Plumintb REPORT

Thu Sep 07 13:56:15 2006
p:*fl*houses 05*covington4*plumbing*covp.fp1

QUANTITY	DESCRIPTION	
2'	130005.0023	1.5" PIPE
28'	130005.0047	2" PVC PIPE
110'	130005.0072	3" PVC PIPE
14'	130005.0091	4" PIPE

PER FLORIDA PLUMBING CODE: ALL DWV THROUGH FOOTERS WILL BE SLEEVED

REVISED 08-15-05

REVISIONS :
6/15/06 REVISED UG PLBG FITTINGS TJM
08/08/06 REV.CLEANOUT & BOM LIST TJM
11/09/06 REVISED A/C CHASE & BOM TJM

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AMERICANA UNGRD PLUMBING

COVINGTON-4

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 10/13/03

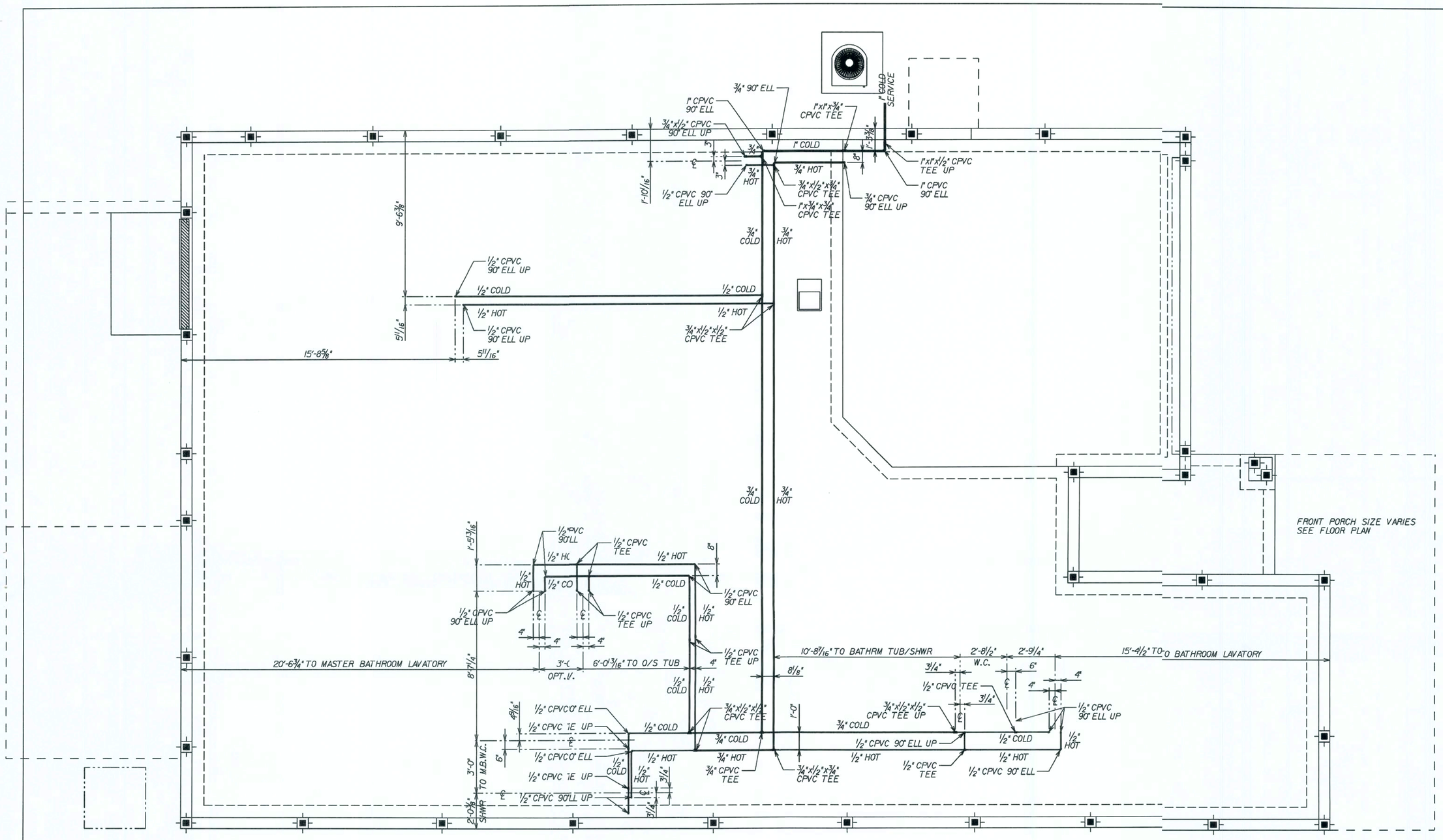
p:\fl\houses_05\covington4\plumbing\covp.fp1

10:51:15

PLOT DATE: 15 JAN 2008

SHEET: FP1

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



plumitem REPORT

Thu Jun 15 13:32:11 2006
p:*fl*houses_05*covington4*plumbing*covp.fp2

QUANTITY		DESCRIPTION	
19	56A	150060.0199	1/2" CPVC 90 ELBOW
1	56B	130010.0007	3/4" CPVC 90 ELBOW
2	56C	130010.0057	1" CPVC 90 ELBOW
1	56D	130010.0095	3/4x1/2" CPVC 90 ELBOW
1	58B	130010.0008	3/4" CPVC 90 ST. ELBOW
8	64A	130010.0026	1/2" CPVC TEE
1	64B	130010.0013	3/4" CPVC TEE
3	64E	130010.0035	3/4"X1/2"X1/2" CPVC TEE
1	64F	130010.0037	3/4"X1/2"X3/4" CPVC TEE
3	64G	130010.0005	3/4"X3/4"X1/2" CPVC TEE
1	64M	130010.0099	1x3/4x3/4 CPVC TEE
1	64O	130010.0061	1x1x1/2" CPVC TEE
1	64P	130010.0060	1x1x3/4" CPVC TEE

PlumInth REPORT

Thu Jun 15 13:32:11 2006
p:*fl*houses_05*covington4*plumbing*covp.fp2

QUANTITY		DESCRIPTION	
91'	-	130010.0012	3/4" CPVC PIPE
123'	-	130010.0025	.5" CPVC PIPE
10'	-	130010.0056	1" CPVC PIPE

UNDER SLAB PLUMBING

PER FLORIDA PLUMBING CODE: ALL WATER INTO HOUSE WILL RUN ON 1" CPVC TO FIRST FIXTURE GROUP.
REVISED 10-03-06

REVISIONS :
6/15/06 ADDED BOM LIST AND NOTES TJM

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AMERICANA UNGRD PLBG
COVINGTON-4
GARAGE: RIGHT
DRAWN BY:
RELEASE DATE: 10-13-03

SHEET: FP2

PLOT DATE: 15 JAN 2008
10:51:15
p:\fl\houses_05\covington4\plumbing\covp.fp2

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

plumitem REPORT

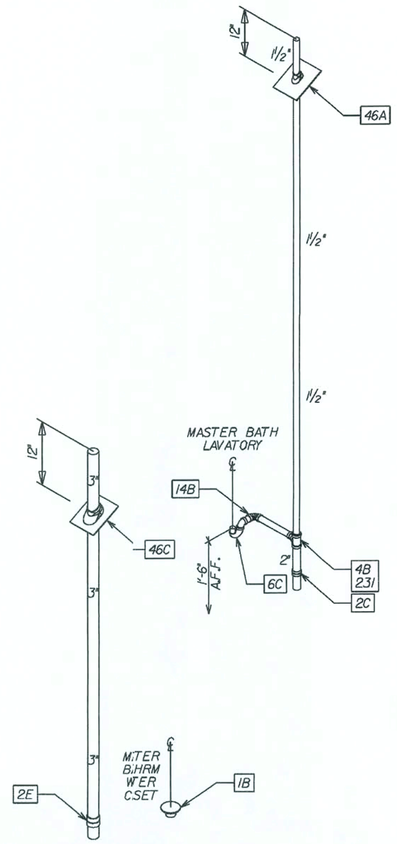
Thu Sep 07 15:16:20 2006
p:*fl*houses 05*covington4*plumbing*cov4.plm

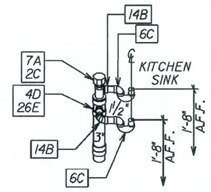
QUANTITY			DESCRIPTION
3	14B	130005.0013	1.5" PVC 90 ELBOW
2	1B	130005.0099	4"X3" CLOSET FLANGE
2	23I	130005.0034	2"x2"x1.5" PVC TEE
1	23L	130005.0062	3"x3"x2" PVC TEE
1	26E	130005.0132	3"x3"x1.5"x1.5" DOUBLE TEE
3	2C	130005.0043	2" PVC COUPLING
3	2E	130005.0068	3" PVC COUPLING
3	46A	130050.0238	1-1/2" NEOPRENE ROOF FLASHING
1	46C	130050.0028	3" NEOPRENE ROOF FLASHING
2	4B	130005.0032	2x1.5 FTG FL BUSHING
1	4C	130005.0054	3x1.5 FTG FL BUSHING
1	4D	130005.0059	3x2 FTG FL BUSHING
1	620C	130035.0027	Laundry Box Center
2	670A	130005.0105	1 1/2" WATCO TUB OVERFLOW ASSEMBLY
1	6B	130005.0046	2" P-TRAP
4	6C	130005.0107	1.5"x1.25" P-TRAP W/UNION JT
1	7A	130005.0160	1.25-2" STUDOR MINI-VENT

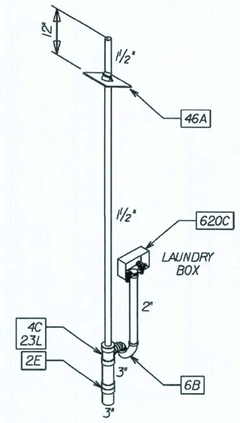
PlumInth REPORT

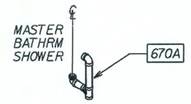
Thu Sep 07 15:16:20 2006
p:*fl*houses 05*covington4*plumbing*cov4.plm

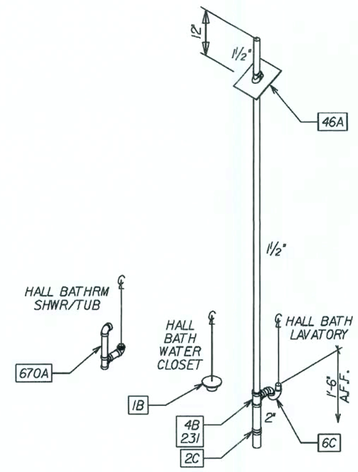
QUANTITY		DESCRIPTION
39'	130005.0023	1.5" PIPE
6'	130005.0047	2" PVC PIPE
15'	130005.0072	3" PVC PIPE



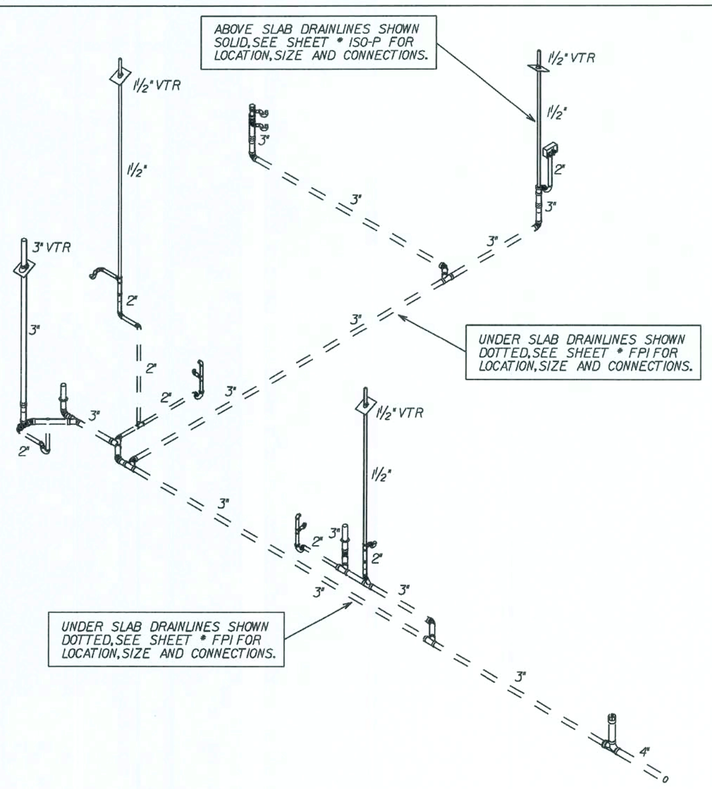








COMPLETE SANITARY PLUMBING DIAGRAM:



PER FLORIDA PLUMBING CODE: ALL DWV THROUGH FOOTERS WILL BE SLEEVED

REVISED 08-15-05

REVISIONS :

09/07/06 REVD.KITCHEN SINK ASSEM.-TJM

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p:\fl\houses_05\covington4\plumb\ng\cov.p1so

AMERICANA DWV PLUMBING ISO

COVINGTON-4

GARAGE:

DRAWN BY:

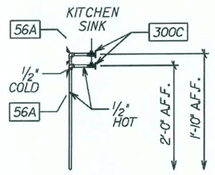
RELEASE DATE: 10/13/03

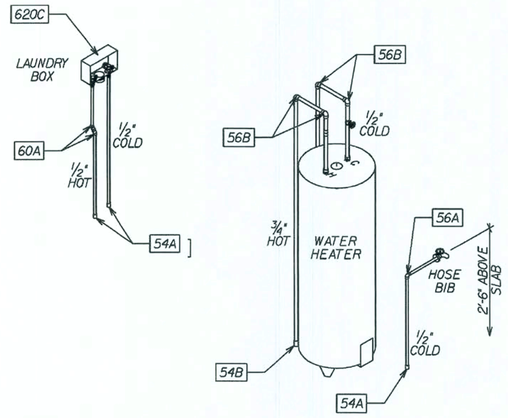
10:51:16

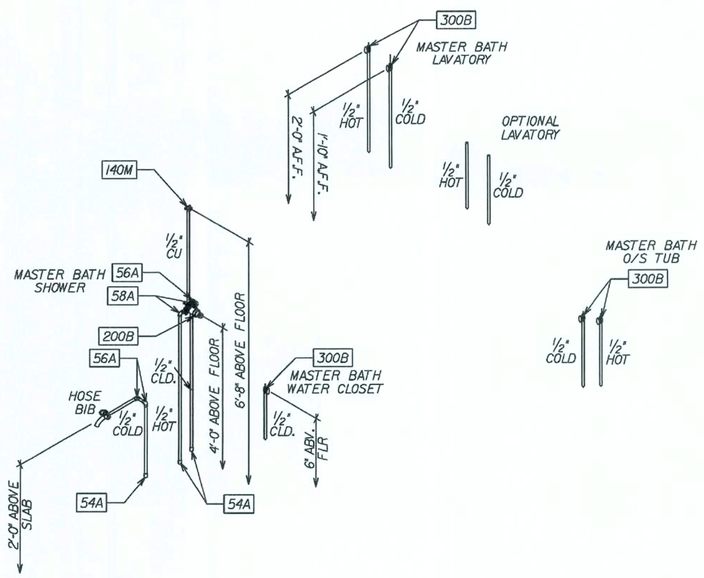
PLOT DATE: 15 JAN 2008

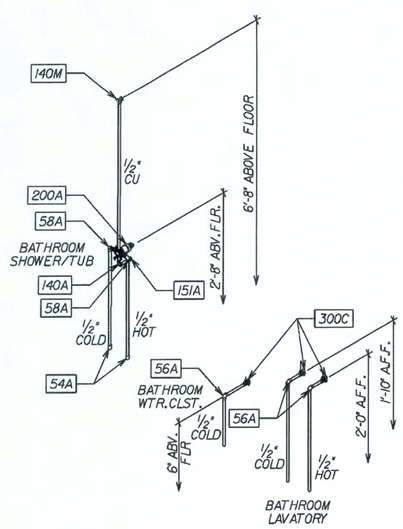
SHEET: ISO-P

FLORIDA BUILDING CODE 2004 : RESIDENTIAL









plumitem REPORT

Thu Sep 07 15:16:20 2006
p:*fl*houses 05*covington4*plumbing*cov4.plm

QUANTITY		DESCRIPTION	
1	140A	130025.0017	1/2" COPPER 90 ELBOW
2	140M	130025.0051	1/2" COPPER 90 ELBOW Drop
1	151A	130025.0020	1/2" COPPER MALE ADAPTER
1	200A	130035.0061	Tub Diverter
1	200B	130035.0061	Shower Diverter
5	300B	130010.0049	Straight Valve 1/2" x 3/8"
5	300C	130010.0046	1/2" x 3/8"Angle Valve
16	54A	130010.0022	1/2" CPVC COUPLING
2	54B	130010.0009	3/4" CPVC COUPLING
9	56A	150060.0199	1/2" CPVC 90 ELBOW
4	56B	130010.0007	3/4" CPVC 90 ELBOW
4	58A	130010.0027	1/2" CPVC 90 ST. ELBOW
2	60A	130010.0028	1/2" CPVC 45 ELBOW
1	620C	130035.0027	Laundry Box Center

Pluminth REPORT

Thu Sep 07 15:16:20 2006
p:*fl*houses 05*covington4*plumbing*cov4.plm

QUANTITY		DESCRIPTION	
16'		130010.0012	3/4" CPVC PIPE
46'		130010.0025	.5" CPVC PIPE
7'		130025.0006	1/2" COPPER Pipe

PER FLORIDA PLUMBING CODE: ALL WATER INTO HOUSE WILL RUN ON 1" CPVC TO FIRST FIXTURE GROUP.
REVISED 10-03-06

REVISIONS :

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

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 RESIDENTIAL AND2005, 2006 SUPPLEMENT

AMERICANA | CPVC WATER ISO

COVINGTON-4

GARAGE:

DRAWN BY:

RELEASE DATE: 9/11/03

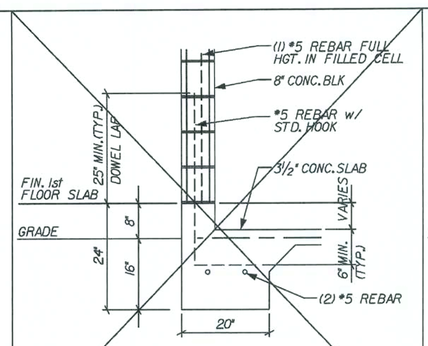
105ih6

p:\fl\houses_05\covington4\plumbing\cow1so

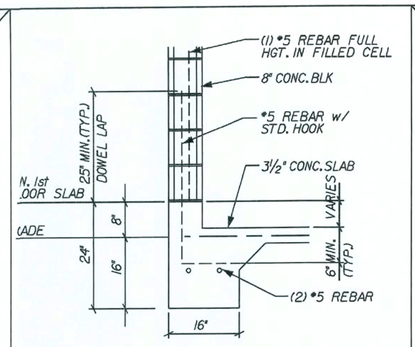
PLOT DATE: 15 JAN 2008

SHEET: ISO-W

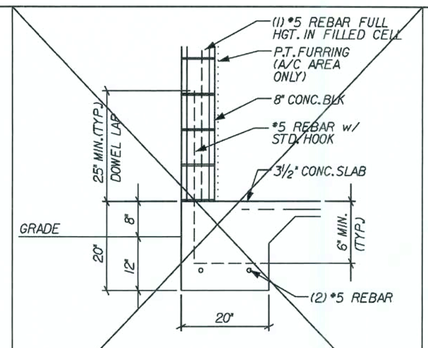
FLORIDA BUILDING CODE 2004 :RESIDENTIAL



G2 GARAGE 2-STORY
REVISED 11-07-06 DELETED STONE LEDGE
NOT USED
SCALE: ½" = 1'-0"



G GARAGE 1-STORY
REVISED 11-07-06 DELETED STONE LEDGE
SCALE: ½" = 1'-0"



A2 TYPICAL 2-STORY
REVISED 11-07-06 DELETED STONE LEDGE
NOT USED
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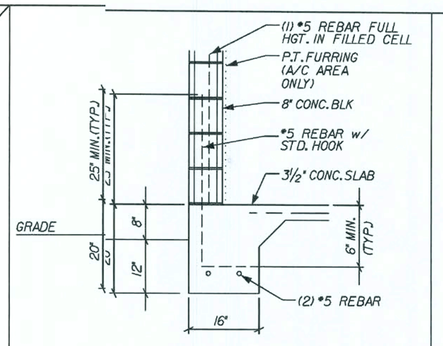

A TYPICAL 1-STORY
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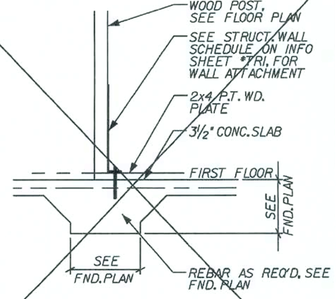
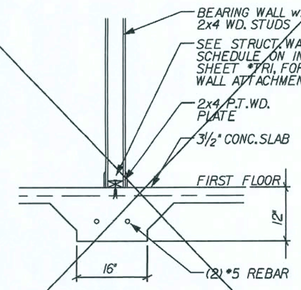
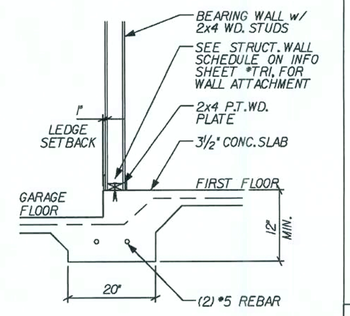


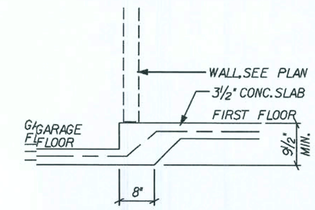
J INTERIOR BEARING POST
NOT USED
SCALE: ½" = 1'-0"



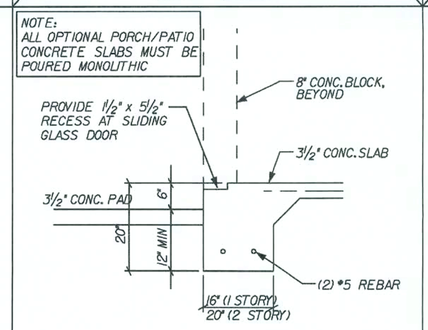
I INTERIOR BEARING
NOT USED
SCALE: ½" = 1'-0"



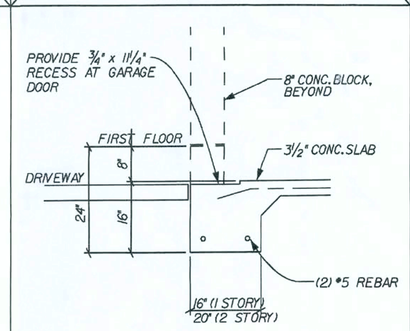
H STEP/BEARING
REVISED 01-31-05
SCALE: ½" = 1'-0"



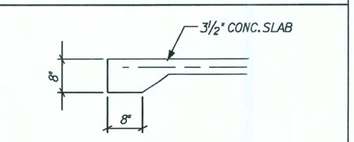
F STEP/NON-BEARING
SCALE: ½" = 1'-0"



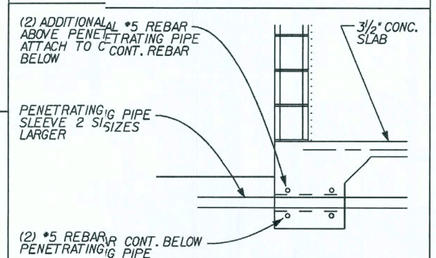
S RECESS @ SLIDER
REVISED 05-06-05
SCALE: ½" = 1'-0"



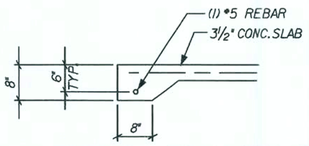
R THICK'N EDGE/GARAGE
REVISED 04-23-06
SCALE: ½" = 1'-0"



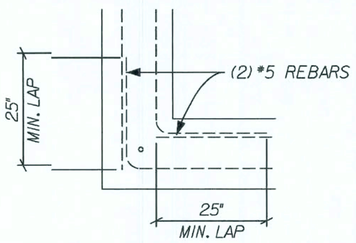
N THICK'N EDGE
SCALE: ½" = 1'-0"



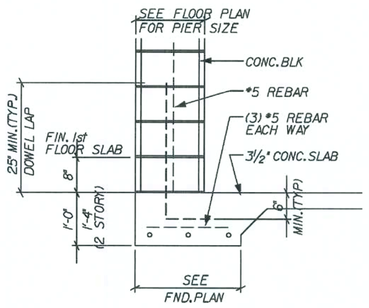
TYP. PIPE PENETRATION
REVISED 06-01-06 ADDED DETAIL
SCALE: ½" = 1'-0"



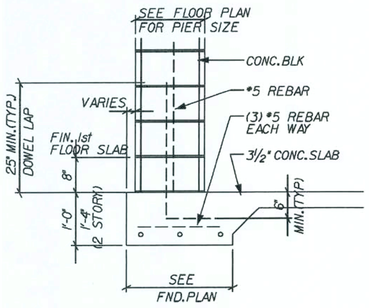
P THICK'N EDGE/BEARING
SCALE: ½" = 1'-0"



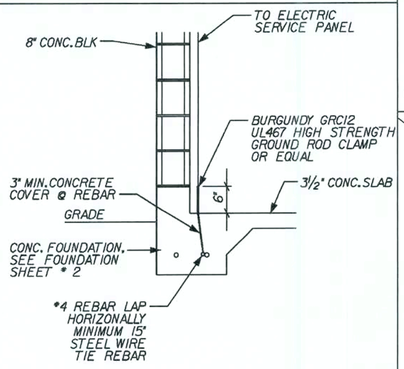
TYP. FTNG @ CORNERS
04-07-08 ONE CORNER DTL
SCALE: ½" = 1'-0"



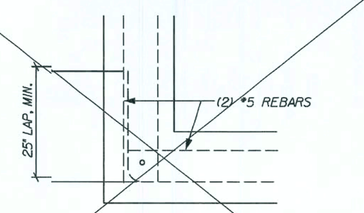
U PIER DETAIL #2
REVISED 02-20-07 16" DEEP @ 2 STORY
PORCH
SCALE: ½" = 1'-0"



T PIER DETAIL #1
REVISED 02-20-07 16" DEEP @ 2 STORY
SCALE: ½" = 1'-0"



TYP. CONC. ENCASED ELECTRODE
SCALE: ½" = 1'-0"



TYP. FTNG @ OUTSIDE CORNER
SCALE: ½" = 1'-0"

REVISIONS :

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

FLORIDA:
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p:\fhouses_05\covington\details\cov4.ftg

COVINGTON-A

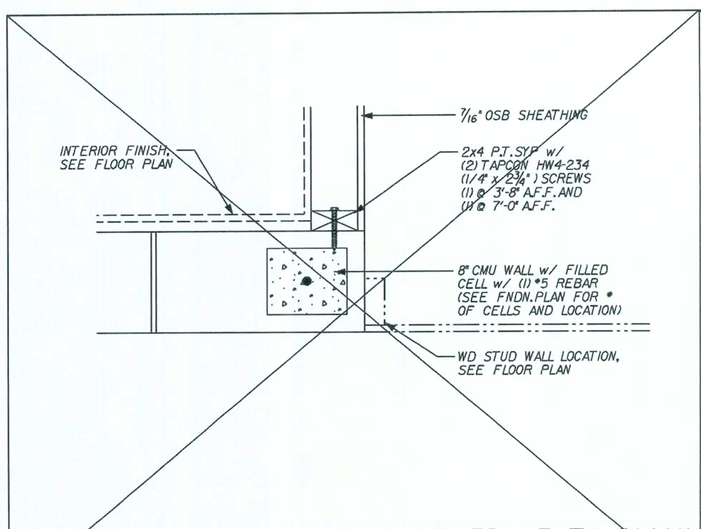
GARAGE:
DRAWN BY:
RELEASE DATE: 10-21-03
10:52:30
PLOT DATE: 15 JAN 2008

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

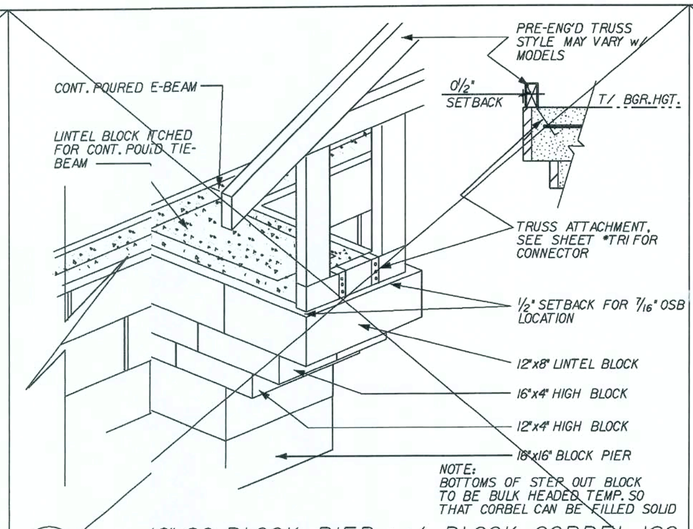
Elmer Bergman, P.E.
License No. 50158
MAY 29 2008

SHEET:
FTG

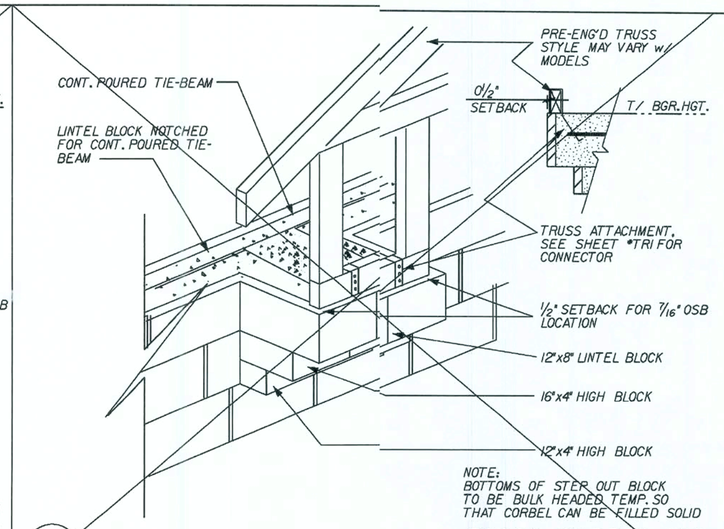
FLORIDA BUILDING CODE 2004 : RESIDENTIAL



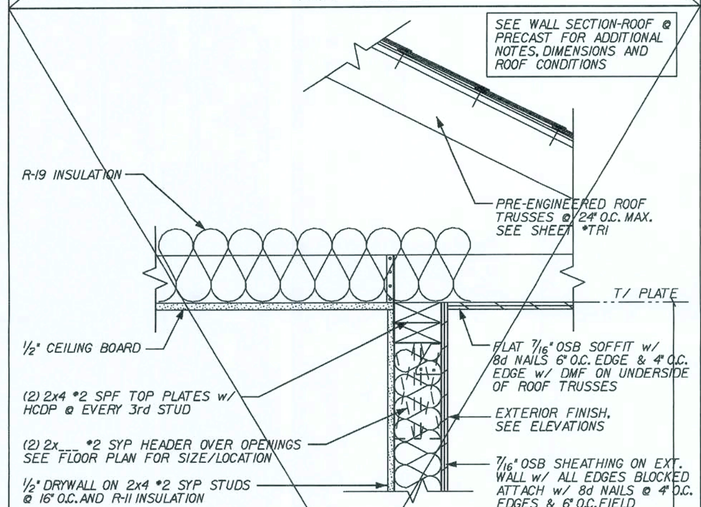
J EXTERIOR WOOD FRAME TO BLOCK
NOT USED
SCALE: 1 1/2" = 1'-0"



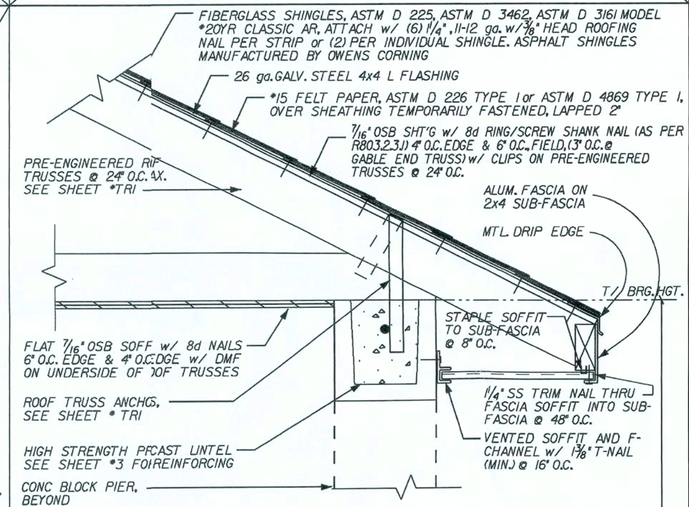
F '6" SQ.BLOCK PIER w/ BLOCK CORBEL ISO
NOT USED
SCALE: N.T.S.



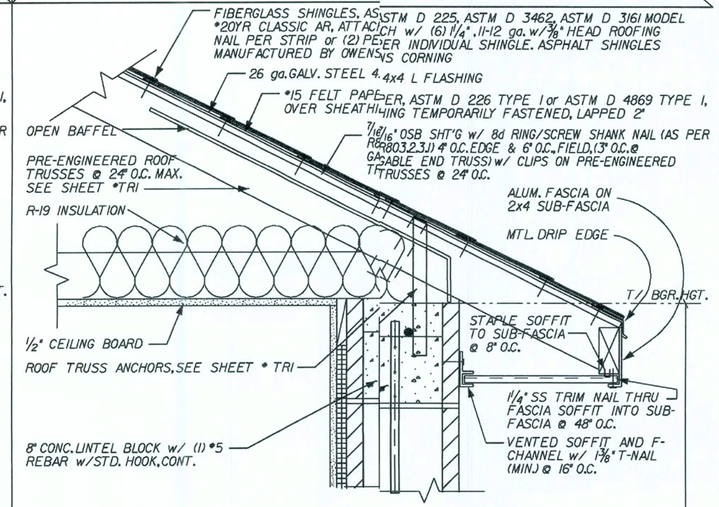
E BLOCK CORBEL ISO
NOT USED
SCALE: N.T.S.



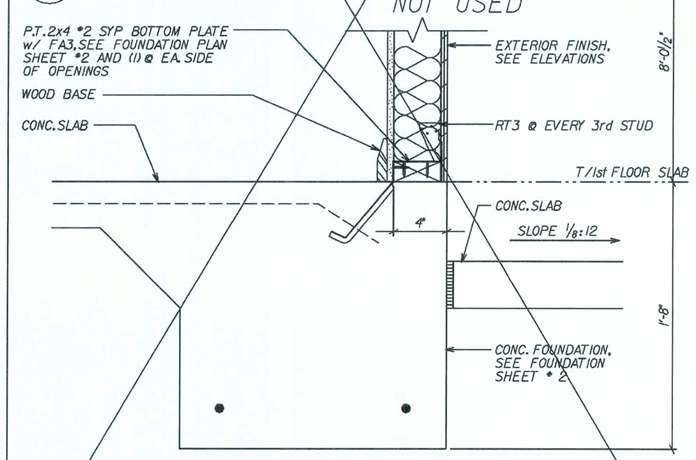
H WALL SECTION-ROOF @ WD. FRAME/ F. PORCH
REVISED 06-02-05
SCALE: 1 1/2" = 1'-0"



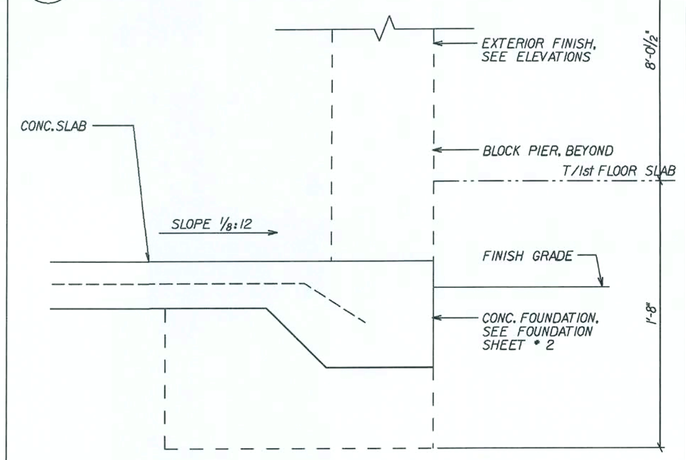
D WALL SECTION-ROOF @ PRECAST/FRONT PORCH
REVISED 02-07 - OSB ROOF NAIL TYPE
SCALE: 1 1/2" = 1'-0"



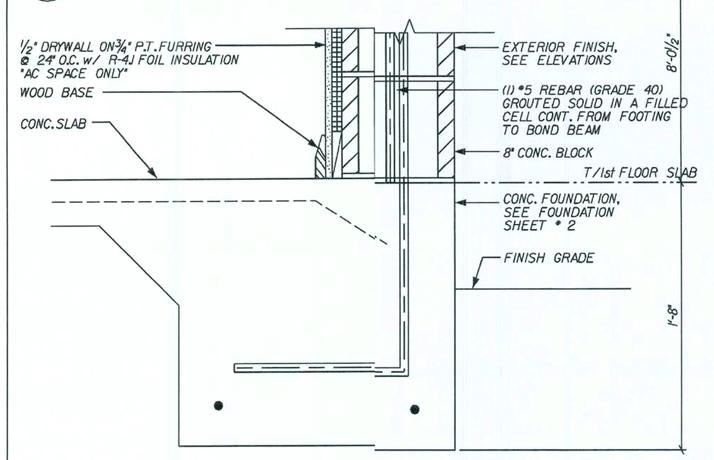
B WALL SECTION-ROOF @ BLOCK
REVISED 05-02-07 - OSB ROOF NAIL TYPE
SCALE: 1 1/2" = 1'-0"



G WALL SECTION-FOUNDATION @ WOOD FRAME
REVISED 10-25-04
SCALE: 1 1/2" = 1'-0"
NOT USED



C WALL SECTION-FOUNDATION @ FRONT PORCH
REVISED 02-05
SCALE: 1 1/2" = 1'-0"



A WALL SECTION-FOUNDATION @ BLOCK
REVISED 02-19-07 FOIL INSUL TO R-4J
SCALE: 1 1/2" = 1'-0"

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :

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

FLORIDA:
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p:\1houses_05\covington4\details\std_ws-bl.sws

ONE STORY | WALL SECTIONS

COVINGTON-4

GARAGE:

DRAWN BY:

RELEASE DATE: 10-13-03

10:52:30

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

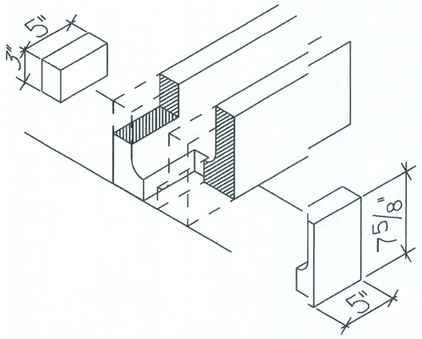
Elmer Bergman, P.E.
License No. 50158
MAY 29 2008

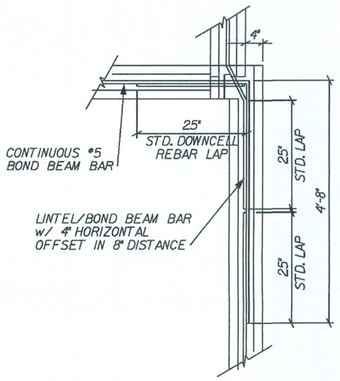
SHEET:
WS-B1

PLOT DATE: 15 JAN 2008

USP HARDWARE - 160% REVISED 05-10-06

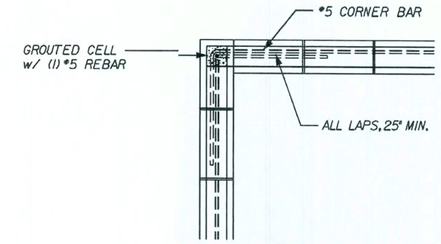
PRODUCT CODE #	MAN.	FASTENERS	UPLIFT
C44	USP	POST (6) 16d BEAM (6) 10d X 1½"	1000
FA3	USP	TOP (4) 10d X 1½" SIDE (2) 10d X 1½"	1155
HC520 CLIP	USP	PLATES (11) 8d STUD (6) 8d	445
HHCP2 CRNR CLIP	USP	TRUSS (10) 10d X 1½" PLATE (10) 10d X 1½"	800
HTA 20 ANCHOR	USP	(14) 10d X 1½"	1615
HTA 20(2) ANCHOR	USP	(13) 10d X 1½"	3230
HTW24	USP	(20) 10d	1325
HUGT2	USP	CONC. ANC.BOLT (2)3/4"-(2)¾"WASH 3¼" EMBED. -ALL GRDR.-(8) 10d	9790
HUGT3	USP	CONC. ANC.BOLT (2)3/4"-(2)¾"WASH 3¼" EMBED. -ALL GRDR.-(8) 10d	9860
JUS 26	USP	(4) 10d HEADER (4) 10d TRUSS	1115
KST227 STRP ANC.	USP	(34) 16d	4750
LPTA	USP	FACE OF GABLE W/ 2x4 (11) 10d x 1½"	1250
LSTA36	USP	(22) 10d X 1½"	1640
LTW12	USP	(12) 10d	670
LTS20 STRAP ANC	USP	ANCHOR-1/2" WEDGE BOLT 3¼" EMBED. (10) 10d X 1½"STRAP	1890
LBP12 BEARING PLT	USP	½" J-BOLT	2515
LFTA6	USP	PLATE (8) 8d STUD (8) 8d	1035
MP6F	USP	HEADER/STUD (6) 8d TYPE 1 JOIST/PLATE (6) 8d	605
MPAI & MPAIF	USP	HEADER/STUD (6) 8d JOIST/PLATE (6) 8d	660
MSTAI2	USP	(10) 10d	1015
MSTAI8	USP	(14) 10d	1420
MSTA24	USP	(18) 10d	1640
MSTA30	USP	(22) 10d	2065
MTW12	USP	(14) 10d	1030
MTW18	USP	(14) 10d	1030
MTS27B STRP ANC	USP	(24) 16d (1)¾" ANCHOR BOLT 3¼" EMBEDDED	4635
MUGT15	USP	(22) 10d (1)⅝" ANCHOR BOLT 3¾" EMBEDDED	4165
NP37 3⅛X 7	USP	HEADER (6) 16d TOP OF BOT. SEC.(6) 10d X 1½"	
PA 28	USP	(15) 16d	3360
RT-16	USP	TOP PLATES (8) 8d TRUSS (8) 8d X 1½"	1030
RT-16A	USP	TRUSS (9) 10d x 1½" PLATE (8) 10d	1380
RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d X 1½"	1160
RT5 CLIPS L/R	USP	TRUSS (4) 8d PLATE (4) 8d	540
RT3 CLIPS L/R	USP	(4) 8d TOP (4) 8d BOTTOM	530
SKH 26 L/R	USP	HEADER (6) 16d JACK (6) 10d X 1½"	1085
SKHH26 L/R	USP	HEADER (18) 16d JACK (12) 10d X 1½"	2190
SUH 26	USP	HEADER (6) 10d JACK (4) 10d X 1½"	725
SUH 28	USP	HEADER (8) 10d JACK (6) 10d X 1½"	800
TA12/TA12/METAL	USP	(5) #10 SCREWS (9) #10 SCREWS	825 910
TA 14	USP	(7) 10d x 1½"	920
TA 18	USP	(8) 10d x 1½"	1205
(2)TA 18	USP	(8) 10d x 1½" 1-PLY (8) 10d x 1½" 2-PLY	2410 2410
TA 24	USP	(8) 10d x 1½"	1205
(2)TA 24	USP	(8) 10d x 1½" 1-PLY (8) 10d x 1½" 2-PLY	2410 2410
THD26	USP	HEADER (18) 16d TRUSS (12) 10d X 1½"	2170
THD28	USP	HEADER (28) 16d TRUSS (16) 10d X 1½"	2330
THD28-2	USP	HEADER (28) 16d TRUSS (16) 10d X 1½"	2485
THDH28-3	USP	HEADER (36) 16d TRUSS (16) 10d X 1½"	2665
THD48	USP	HEADER (28) 16d TRUSS (16) 10d X 1½"	2485
THJ 26 2	CLEVELAND	HIP(7)10d-HEADER(16)16d JACK (5) 10d x1½"	1010
USC63	USP	TRUSS (8) 10d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	1150
USC3F	USP	TRUSS (8) 10d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	1150
USC73	USP	TRUSS (8) 16d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	1150
UGTS63	USP	TRUSS (8) 16d (2)¾" ANC. BOLTS 2¾" EMBEDDED	6170





MODIFIED LINTEL @ FRONT PORCH

SCALE: N.T.S.

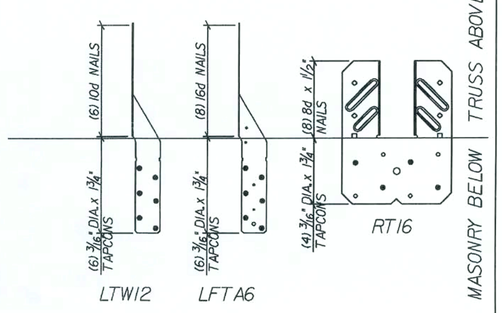


TYPICAL BOND BEAM @ CORNER

REVISED 04-22-05

SCALE: ½" = 1'-0"

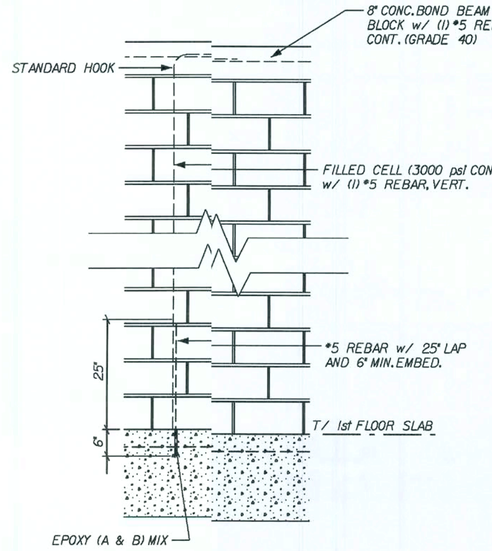
CONNECTOR	MAX. UPLIFT
LTW12	775 LBS
LFTA6	990 LBS
RT16	700 LBS



FOR MISSED FLOOR ANCHORS, CONSULT ENGINEER STAFF

ANCHOR FASTENING SCHEDULE
MISSED ROOF TIE DOWN REPAIR

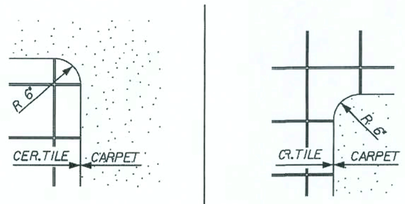
SCALE: N.T.S.



MISSED DOWN ROD REPAIR

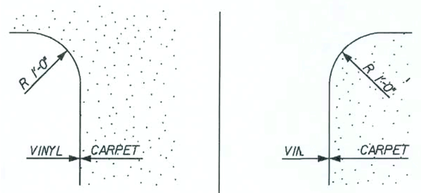
SCALE: ½" = 1'-0"

CERAMIC TILE TO CAPET



OUTSIDE CORNER INSIDE CORNER

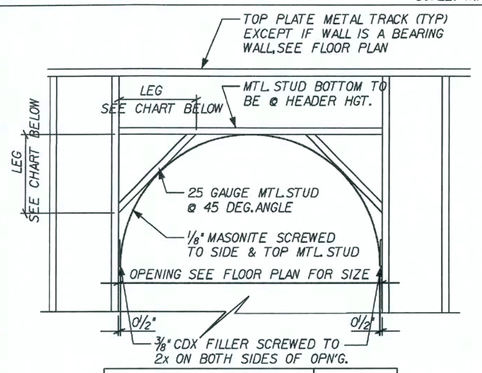
VINYL TO CARPET



OUTSIDE CORNER INSIDE CORNER

FLOOR EDGE COINER DETAIL

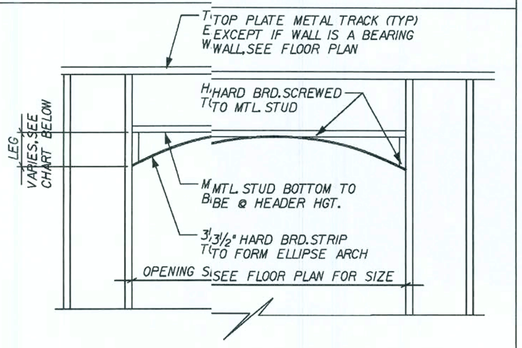
SCALE: ½" = 1'-0"



OPENING	LEGS
2'-1" = 2'-0" ARCH OPENING	7½"
2'-7" = 2'-6" ARCH OPENING	8⅞"
2'-9" = 2'-8" ARCH OPENING	9 7/16"
3'-1" = 3'-0" ARCH OPENING	10⅝"
4'-1" = 4'-0" ARCH OPENING	15"
-	-

INTERIOR CURVED ARCH

SCALE: ½" = 1'-0"



OPENING	LEGS
2'-0" - 3'-1"	4"
3'-2" - 4'-0"	5½"
4'-1" - 5'-0"	6½"
5'-1" - 7'-0"	8"
7'-1" - 9'-0"	9½"
9'-1" - 12'-0"	12"

INTERIOR ELLIPSE ARCH

SCALE: ½" = 1'-0"

REVISIONS :

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

FLORIDA STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 : RESIDENTIAL AND 2006 SUPLEMENT

STANDARD DETAILS

COVINGTON-A

GARAGE:

DRAWN BY:

RELEASE DATE: 10-13-03

10:52:31

p:\f1\houses_05\covington\details\std_details.sdl

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

Elmer Bergman, P.E.
License No. 50158

MAY 29 2008

SHEET:

SD1

PLOT DATE: 15 JAN 2008

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

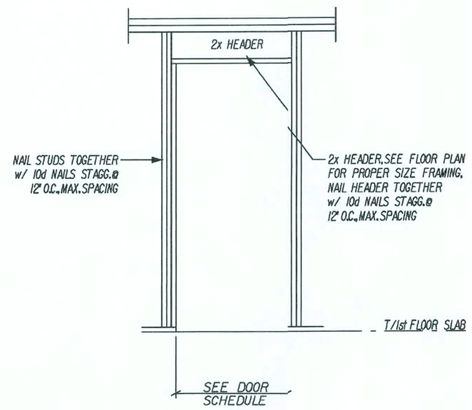
REVISED 02-15-07
83¾" -> 82⅜"

DOOR SCHEDULE

DOOR TYPE	ACTUAL SIZE	ROUGH FRAME OPENING	ROUGH BLOCK OPENING 2" BUCK
2-0 STANDARD I.S.	25½" x 80⅝"	26" x 80⅞"	29" x 82⅜"
2-8 STANDARD I.S.	33½" x 80⅝"	34" x 80⅞"	37" x 82⅜"
2-10 STANDARD I.S.	35½" x 80⅝"	36" x 80⅞"	39" x 82⅜"
3-0 STANDARD I.S.	37½" x 82"	38" x 82¼"	41" x 82⅜"
3-0 w/SIDELIGHT I.S.	51⅛" x 82"	51⅝" x 82¼"	54⅝" x 82⅜"
3-0 w/(2) SIDELIGHT I.S.	64½" x 82"	65" x 82¼"	68" x 82⅜"
5-8 (2)2-10 FRENCH I.S.	70½" x 80⅝"	71" x 80⅞"	74" x 82⅜"

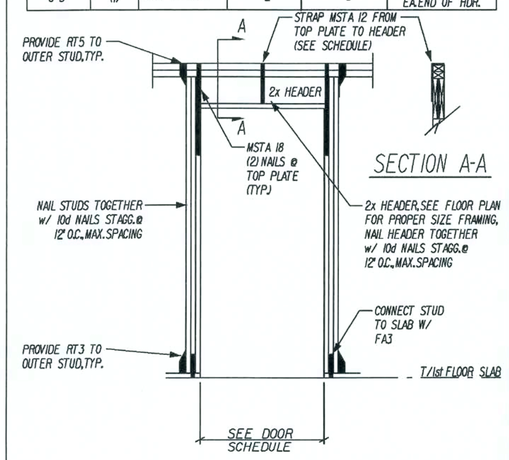
** FINISH OPENING IS DETERMINED BY ACTUAL SIZE +¼" FOR HEIGHT
** FINISH OPENING IS DETERMINED BY ACTUAL SIZE +½" FOR WIDTH
** O.S.= OUTSWING
** I.S.= INSWING

MAX. OPN'G SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10' MAX.HGT.	
2'-3"	(1)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	1	2	
3'-3"	(1)		2	2	
6'-3"	(1)		2	3	



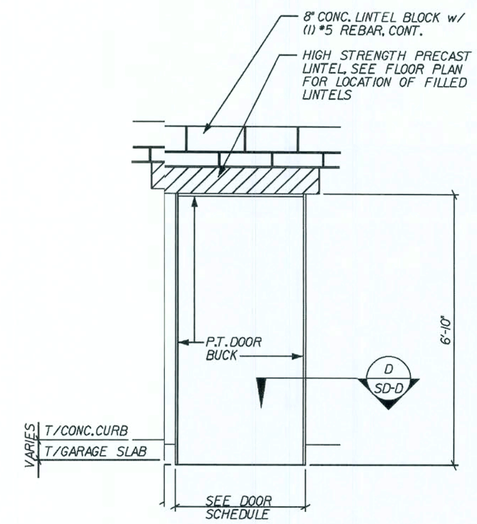
K STD.DOOR - WD FRAME,NO-UPLIFT
SCALE: N.T.S.

MAX. OPN'G SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10'-0" MAX.HGT.	MSTA 12
2'-3"	(1)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	1	2	N/A
3'-3"	(1)		2	2	(1) @ CEN.OF HDR.
6'-3"	(1)		2	3	(1) @ 2'-0" OFF EA.END OF HDR.



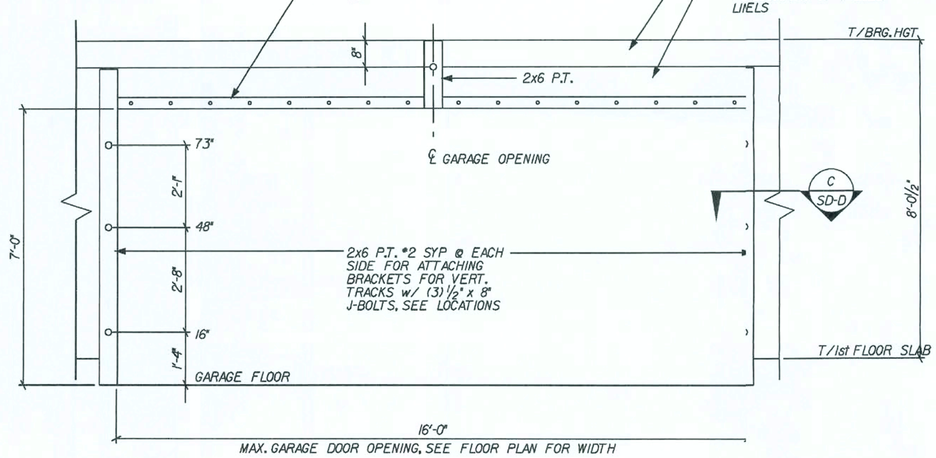
SECTION A-A

J STD.DOOR - WD FRAME,UPLIFT
SCALE: N.T.S.

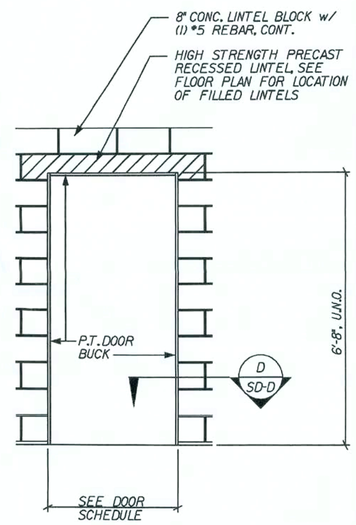


H REVISED 08-12-04
OPTIONAL SERVICE DOOR
SCALE: ⅜" = 1'-0"

CONTRACTOR NOTE:
INSTALLATION FOR GARAGE DOOR TYPES (AS PER TEST #960507-A)

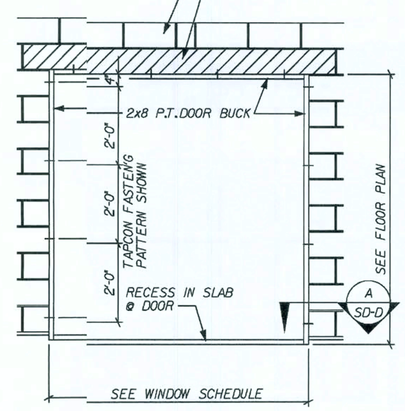


G GARAGE DOR ELEVATION
SCALE: ⅜" = 1'-0"

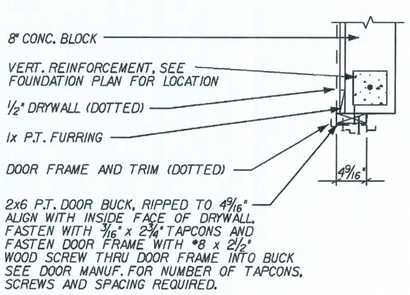


F STANDARD DOOR ELEVATION
SCALE: ⅜" = 1'-0"

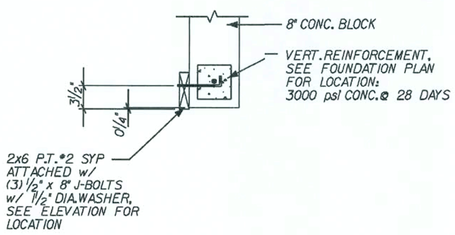
CONTRACTOR NOTE:
FOR INSTALLATION SIZES OF NORANDEX SLIDING DOOR SERIES 500 UP TO 8'-0" x 6'-8" AS PER #96-0131J0 & SERIES 502 UP TO 8'-0" x 8'-0" MAX. (AS PER TEST #96-0608.20)



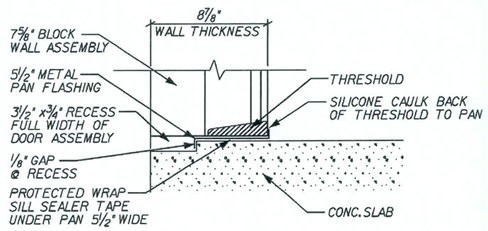
E SLIDING GLASS DOOR ELEVATION
SCALE: ⅜" = 1'-0"



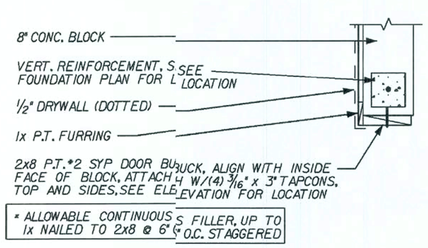
D 2x DOOR BUCK DETAIL
SCALE: ¾" = 1'-0"



C GARAGE DOOR BUCK DETAIL
SCALE: ¾" = 1'-0"



B REVISED 06-08-06
NEW DETAIL
DOOR PAN FLASHING
SCALE: ¾" = 1'-0"



* ALLOWABLE CONTINUOUS FILLER, UP TO 1x NAILED TO 2x8 @ 6" O.C. STAGGERED

A SLIDING GLASS DOOR BUCK DETAIL
REVISED 10-21-04
SCALE: ¾" = 1'-0"

REVISIONS :
07-12-06 ADDED DOOR PAN DETAIL

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

FLORIDA HIGH STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 ; RESIDENTIAL AND 2005, 2006 SUPPLEMENT

DOORS STANDARD DETAILS
COVINGTON-4
GARAGE:
DRAWN BY:
RELEASE DATE: 10-13-03

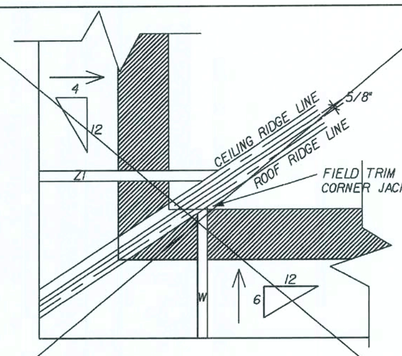
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

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

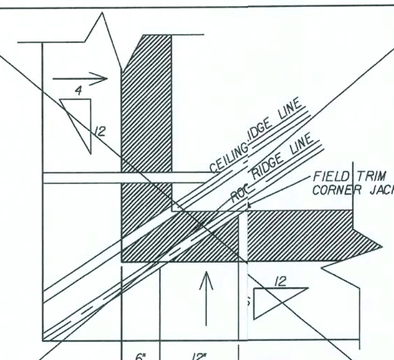
SHEET:
SD-D

PLOT DATE: 15 JAN 2008 10:52:31
p:\houses_05\covington4\details\std_doors.sdd

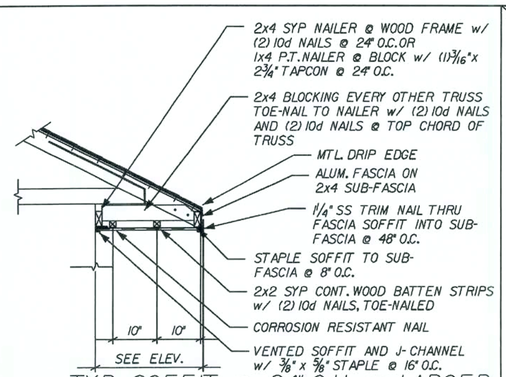
FLORIDA BUILDING CODE 2004 : RESIDENTIAL



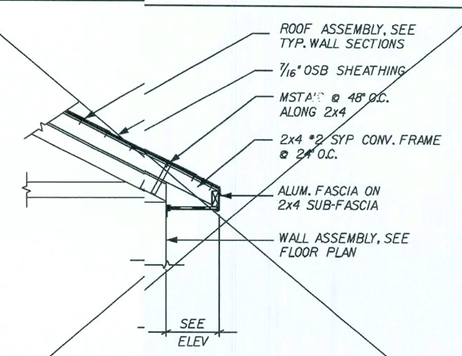
TRUSS PLACEMENT CORNER DETAIL B
NOT USED
SCALE: N.T.S.



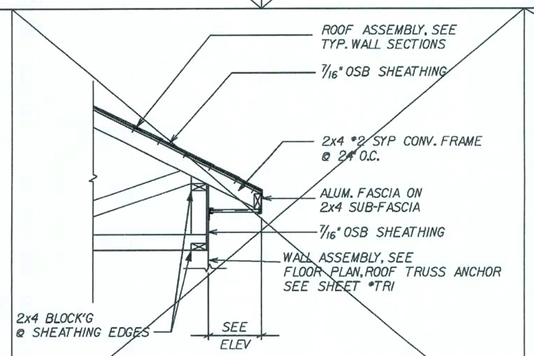
TRUSS PLACEMENT CORNER DETAIL A
NOT USED
SCALE: N.T.S.



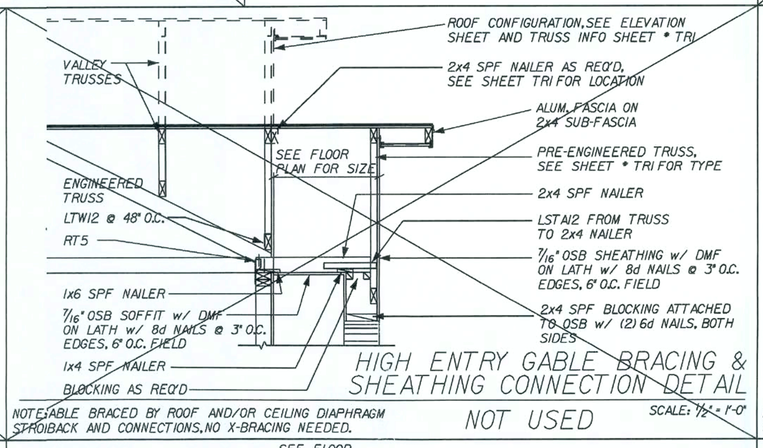
TYP. SOFFIT @ 24" O.H. or LARGER
REVISED 01-11-05
SCALE: 1/2" = 1'-0"



CONV. FRAMED HIP ROOF
NOT USED
SCALE: 1/2" = 1'-0"

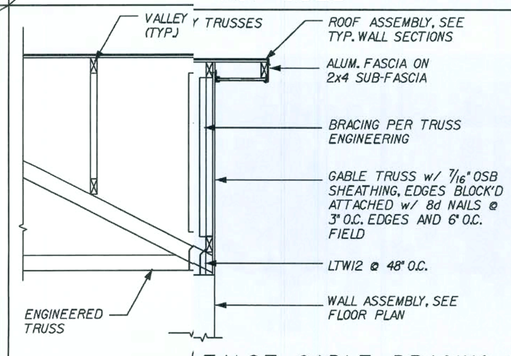


DETAIL @ RAISED HEEL
NOT USED
SCALE: 1/2" = 1'-0"



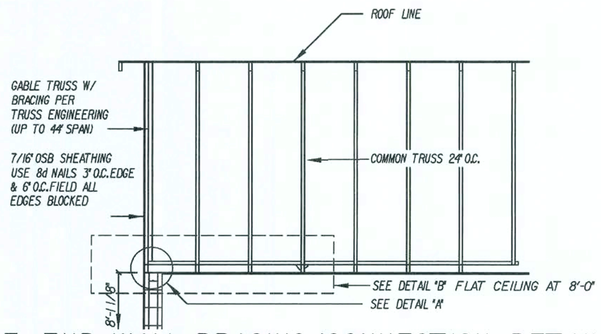
NOTE: GABLE BRACED BY ROOF AND/OR CEILING DIAPHRAGM STROIBACK AND CONNECTIONS, NO X-BRACING NEEDED.

HIGH ENTRY GABLE BRACING & SHEATHING CONNECTION DETAIL
NOT USED
SCALE: 1/2" = 1'-0"

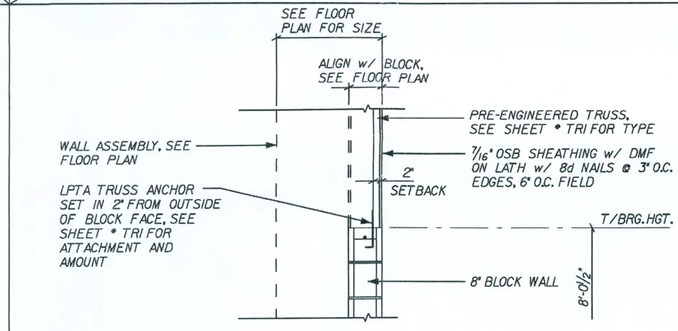


NOTE: GABLE BRACED BY ROOF AND/OR CEILING DIAPHRAGM STRONGBACK AND CONNECTIONS, NO X-BRACING NEEDED.

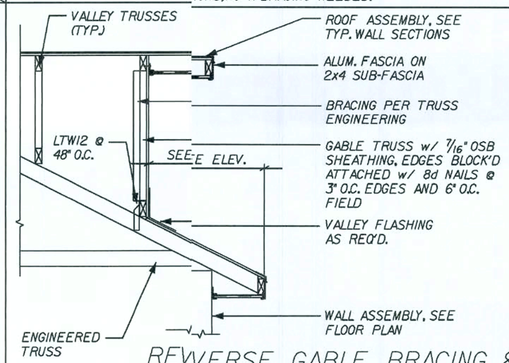
FALSE GABLE BRACING & SHEATHING CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



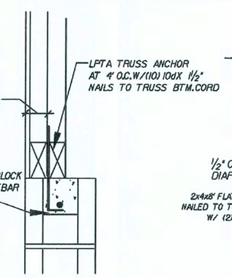
GABLE END WALL BRACING/CONNECTION DETAILS
SCALE 1/4" = 1'-0"
NOTE: GABLE BRACED BY ROOF AND/OR CIELING DIAPHRAGM AND CONNECTION. NO X-BRACING NEEDED



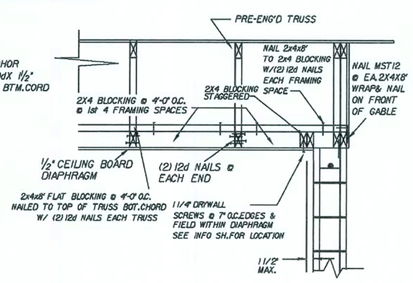
TRUSS / BLOCK CONNECTION DETAIL
SCALE: 1/2" = 1'-0"



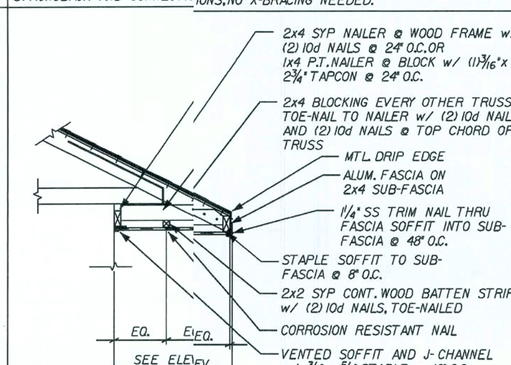
REVERSE GABLE BRACING & SHEATHING CONNECTION DETAIL
NOTE: GABLE BRACED BY ROOF AND/OR CEILING DIAPHRAGM STRONGBACK AND CONNECTIONS, NO X-BRACING NEEDED.
SCALE: 1/2" = 1'-0"



TRUSS TO BLOCK CONNECTION
SCALE 1" = 1'-0"
DETAIL "A"



GYPSUM CEILING DIAPHRAGM TO END WALL CONNECTION
SCALE: 3/4" = 1'-0"
DETAIL "B"



TYP. SOFFIT > 14" O.H. to 20"
REVISED 12-20-06
SCALE: 1/2" = 1'-0"

REVISIONS :

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FLORIDA STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 ; RESIDENTIAL AND 2005, 2006 SUPPLEMENT

ROOF STANDARD DETAILS
COVINGTON-A
GARAGE:
DRAWN BY:
RELEASE DATE: 10-13-03

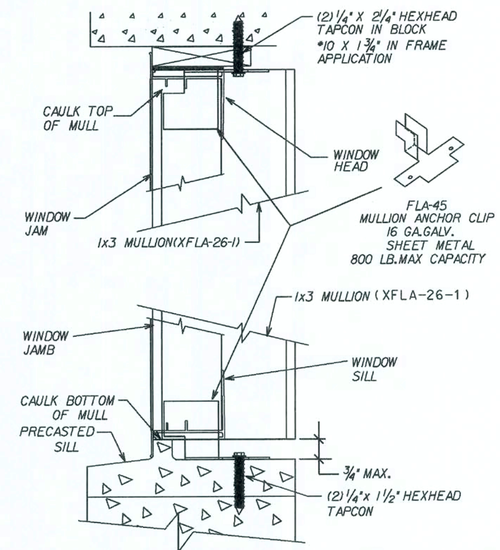
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

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

SHEET:
SD-R

PLOT DATE: 15 JAN 2008 10:52:32
P:\houses_05\covington\details\std_roof.sdr

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

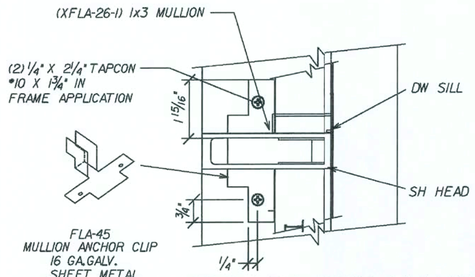


NORANDEX VERT. MULLION CLIP STYLE FLA-45

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

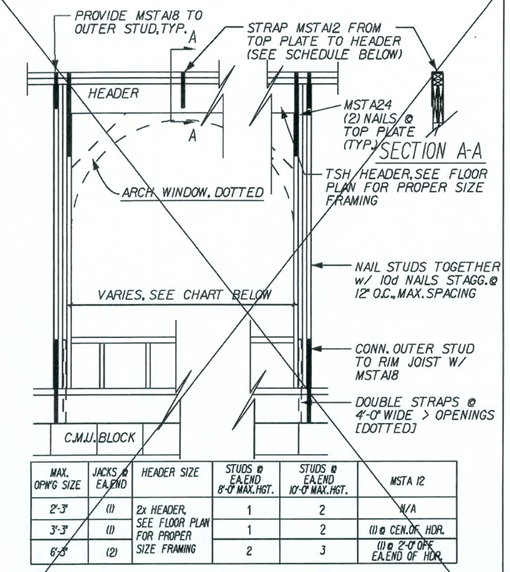
CONTRACTOR NOTE:
FOR INSTALLATION SIZES OF NORANDEX WINDOW SERIES 437/438 UP TO 53 1/8" x 7 7/8" AS PER TEST #96-0624.2

STANDARD WINDOW DETAILS IN BLOCK WALLS UP TO 10 FEET HIGH



NORANDEX HORIZ. MULLION CLIP STYLE FLA-45

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



MAX. OPNG SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10'-0" MAX.HGT.	MSTA 12
2'-3"	(1)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	1	2	N/A
3'-3"	(1)		1	2	(1) @ CEN. OF HDR.
6'-3"	(2)		2	3	(1) @ 2'-0" OFF EA.END OF HDR.

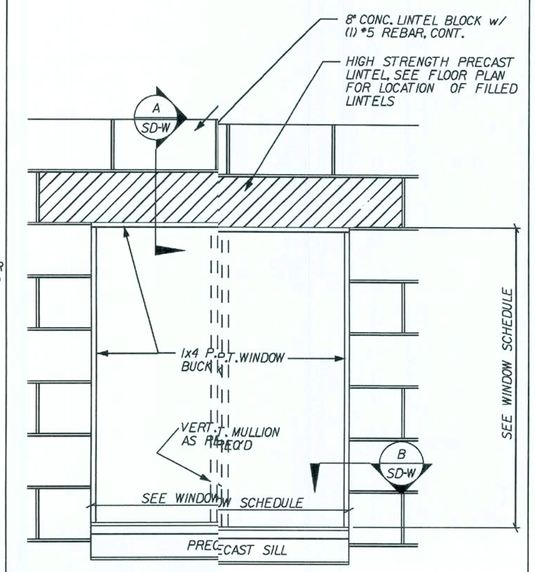
TYP. HEADER DETAIL-2ND FLOOR FRAMING

REVISED 06-06-07 : PER WALL PANELS

SCALE: N.T.S.

K

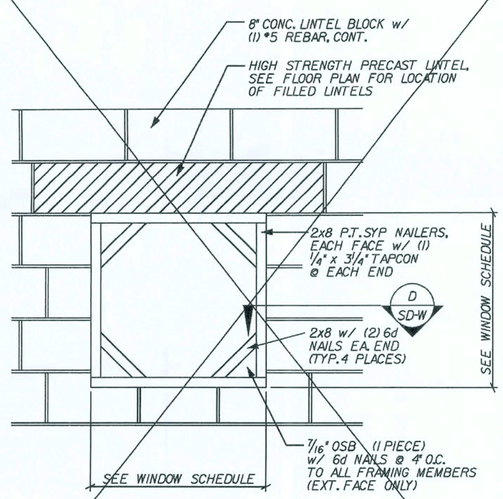
NOT USED



WINDOW-STANDARD-BLK

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

J

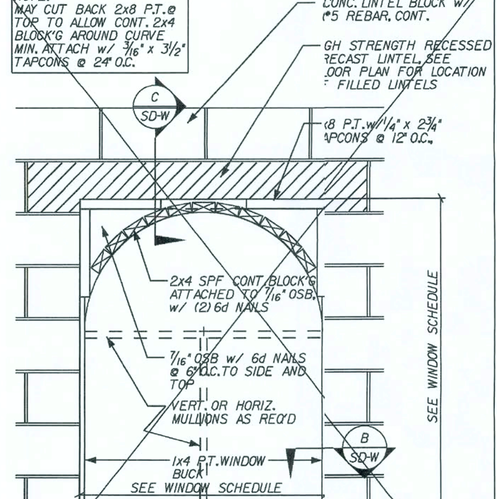


WINDOW-OCTAGON-BLK

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

H

NOT USED

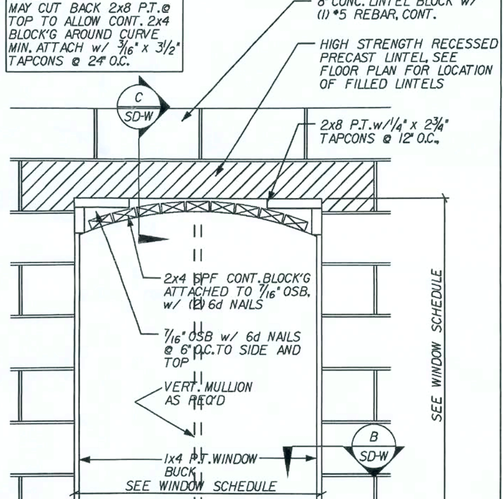


WINDOW-1/2 ROUND TOP-BLK

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

G

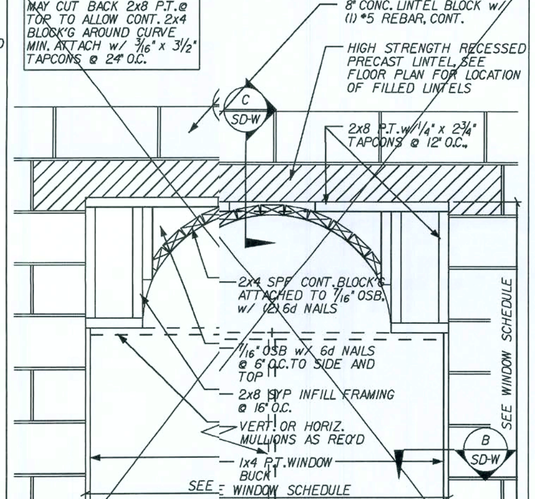
NOT USED



WINDOW-EYEBROW-BLK

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

F

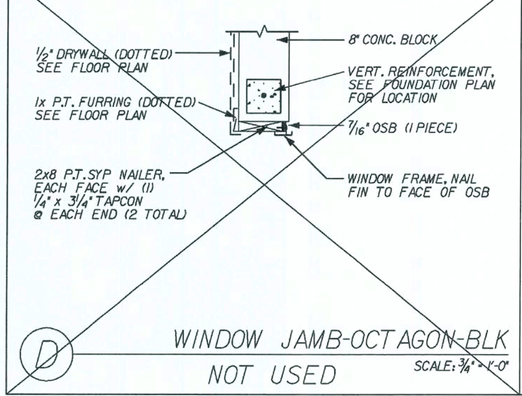


WINDOW-COMBINATION-BLK

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

E

NOT USED

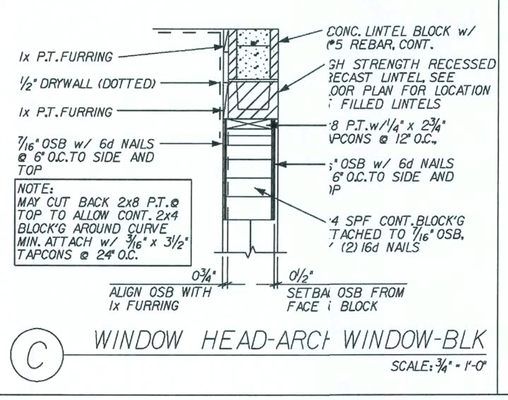


WINDOW JAMB-OCTAGON-BLK

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

D

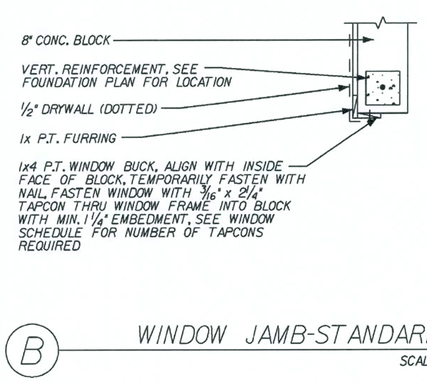
NOT USED



WINDOW HEAD-ARCH WINDOW-BLK

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

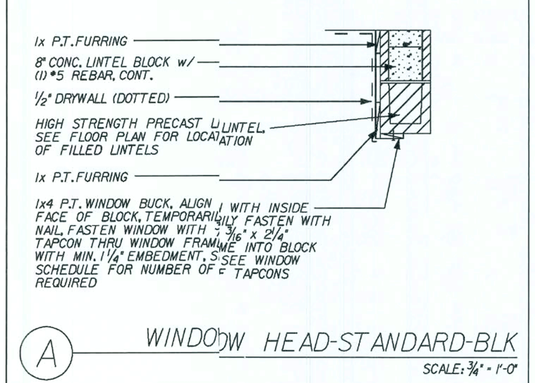
C



WINDOW JAMB-STANDARD-BLK

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

B



WINDOW HEAD-STANDARD-BLK

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

A

REVISIONS :

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 : RESIDENTIAL AND 2005, 2006 SUPPLEMENT

WINDOWS STANDARD DETAILS

COVINGTON-4

GARAGE:

DRAWN BY:

RELEASE DATE: 09-15-03

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

Elmer Bergman, P.E.
License No. 50158

MAY 29 2008

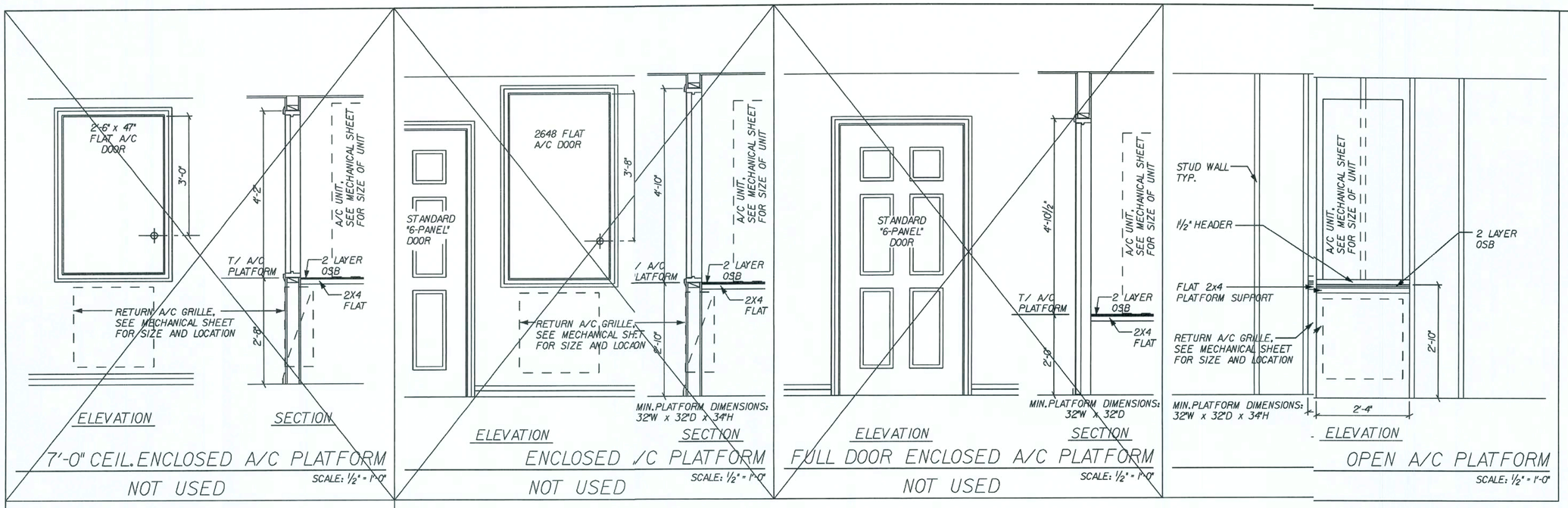
SHEET:

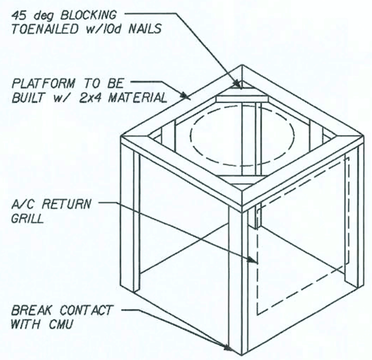
SD-W

PLOT DATE: 15 JAN 2008 10:52:33

p:\Houses_05\covington4\details\std_windows.sdw

FLORIDA BUILDING CODE 2004 : RESIDENTIAL





A/C PLATFORM FRAMING

REVISED 01-24-05

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

REVISIONS :

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Maronda Homes

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 : RESIDENTIAL AND2005, 2006 SUPPLEMENT

STANDARD PLATFORM DETAILS

AIR-HEAT DTLS

DRAWN BY:

GARAGE:

RELEASE DATE:

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

Elmer Bergman, P.E.
License No. 50158

MAY 29 2008

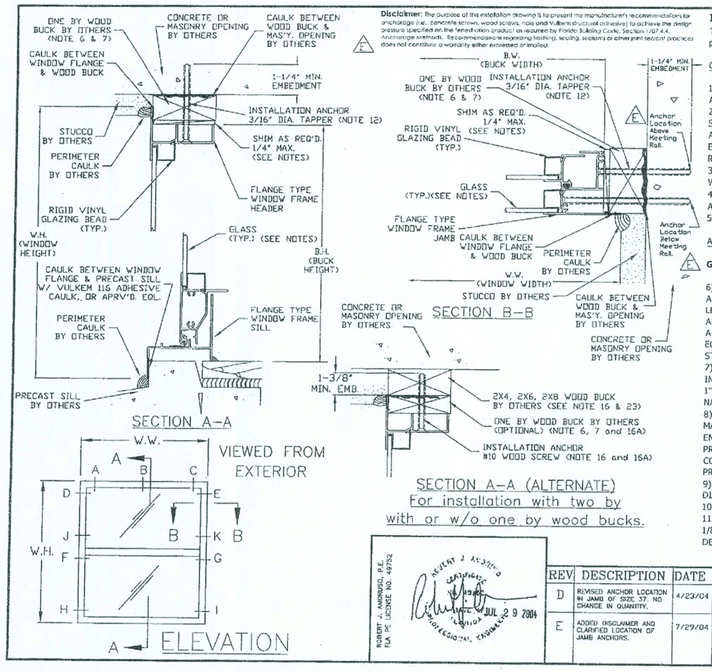
SHEET:

SD-H

p:\f:\houses_05\oviington4\details\std_heating.sdh

10:52:33

PLOT DATE: 15 JAN 2008



Disclaimer: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., concrete screws, wood screws, nails and Vulkem structural adhesive) to achieve the design pressure specified on the fenestration product as required by Florida Building Code, Section 1707.4.4. Anchorage methods, Recommendations regarding flashing, sealing, sealants or other joint sealant practices does not constitute a warranty either expressed or implied.

IMPORTANT FORMATION & GENERAL NOTES

These notes are provided to ensure proper installation of Florida Extruders Milestone products and must be followed fully.

GENERAL INSTALLION INSTRUCTIONS

1) SHIM AS REQ'D. EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE SHIMACK TO BE 1/4".
2) USE SILICONIZ ACRYLIC CAULK BEHIND WINDOW FLANGE AT HEAD & JAMBS. SILL MUST BE ATCHED TO THE SUBSTRATE WITH VULKEM 116 ADHESIVE CAULK OR APPROVED EQUAIPPLICATION OF VULKEM 116 ADHESIVE CAULK OR APPROVED EQUAL AT FRAME.L MUST COMPLY WITH SEALANT MANUFACTURER'S RECOMMENDATIC.
3) USE SILICONIZ ACRYLIC CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FLANGED TO SEAL HEADS OF INSTALLATION FASTENERS.
4) FLORIDA EXTRDERS 1000 SERIES SINGLE HUNG IS SHOWN. THIS PRINT ALSO APPLIES TO THE IRIDA EXTRUDERS 1500 AND 2000 SERIES SINGLE HUNGS.
5) WINDOW FRAMATERIAL: ALUMINUM ALLOY 6063.

ANCHOR INSTALLON INSTRUCTIONS

GENERAL:

6) NAIL ATTACHMI OF NON-STRUCTURAL ONE BY BUCK IS 4" FROM EACH CORNER AND 8" ON CENTEUSE A HARDENED "T-NAIL" WITH A 0.097" DIAMETER AND 1 3/8" LENGTH (5/8" EMBEMENT), A HARDENED "MASONRY NAIL" WITH A 0.148" DIAMETER AND 1 1/2" LENGT3/4" EMBEDMENT) OR EQUIVALENT. FOR ALTERNATE SECTION A-A/B-B, USE A 0.1" DIAMETER COMMON WIRE NAIL WITH A 3/4" EMBEDMENT OR EQUIVALENT FOR LING NON-STRUCTURAL ONE BY BUCK INTO A TWO BY STRUCTURAL BUCK.
7) APPLIES TO ALL NON-STRUCTURAL BUCKS LESS THAN 1 1/2" THICKNESS. NOT INTENDED TO LIMIO NOMINAL ONE BY WOOD BUCK ONLY. BUCKS GREATER THAN 1" NOMIMAL (3/4" ICK) AND LESS THAN 2" NOMINAL (1 1/2" THICK) WILL REQUIRE NAIL LENGTH SUFFENT TO MEET EMBEDMENT REQUIREMENTS OF NOTE 6.
8) ALL INSTALLATI ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HAVE CORROSION RESISTANT COATING APPLIED SUITABLE FOR THE ENVIRONMENT ANIR FRAMING MATERIAL. WHERE ANCHORS ARE USED IN PRESSURE-PRESERTIVE TREATED WOOD, THE WOOD SUPPLIER SHALL BE CONSULTED FOR FOMMENDATION OF ANCHORS COMPATIBLE WITH THE PRESSURE-PRESERTIVE TREATMENT PROCESS USED.
9) ALL FIELD SUPPD HOLES IN THE FRAME (IF REQUIRED) WILL BE 3/16" IN DIAMETER.
10) WOOD SCREWSHALL MEET ANSI B18.6.1 DIMENSIONAL REQUIREMENTS.
11) IF WOOD TENITO SPLIT, PRE-BORE HOLES AS FOLLOWS: #8 WOOD SCREW - 1/8" DIA. PILOT HC& #10 WOOD SCREW - 9/64" DIA. PILOT HOLE (NATIONAL DESIGN SPECIFICAIN FOR WOOD CONSTRUCTION).

[SEE SHEET 2 FOR CONTINUATION OF NOTES]

ROBERT J. ANDRUSKI, P.E. FLA PE LICENSE NO. 49752 — JUL 29 2004

REV	DESCRIPTION	DATE	INI
D	REVISED ANCHOR LOCATION IN JAMB OF SIZE 37. NO CHANGE IN QUANTITY.	4/23/04	RJA
E	ADDED DISCLAIMER AND CLARIFIED LOCATION OF JAMB ANCHORS.	7/29/04	RJA

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
CERTIFICATE AUTHORIZATION NO. 9235
TITLE: ITALLATION DETAIL
SGL. HG FLANGE WINDOWS - SERIES 1000, 1500 & 2000
DRAWN : BB | APPROVED BY: RJA
DATE: 7/9/04 | SCALE: NTS | DWG.: FLEX0016, SHT 1 OF 2

TAPPER LOCATION CHART

CALL SIZE	BUCK SIZE	LOCATIONS IN HEAD 30PSF TO 40PSF	LOCATIONS IN HEAD 41PSF TO 70PSF	LOCATIONS IN JAMB 30PSF TO 40PSF	LOCATIONS IN JAMB 41PSF TO 70PSF
12	18 1/8 x 25	B	B	F,G	F,G
13	18 1/8 X 37 3/8	B	B	F,G	F,G
14	18 1/8 X 49 5/8	B	B	F,G	F,G
145	18 1/8 X 55 1/4	B	B	F,G	F,G
15	18 1/8 X 62	B	B	F,G	F,G
16	18 1/8 X 71	B	B	F,G	F,G,H,I
17	18 1/8 X 83	B	B	F,G	F,G,J,K
1H2	25 1/2 X 25	B	B	F,G	F,G
1H3	25 1/2 X 37 3/8	B	B	F,G	F,G
1H4	25 1/2 X 49 5/8	B	B	F,G	F,G,H,I
1H45	25 1/2 X 55 1/4	B	B	F,G	F,G,H,I
1H5	25 1/2 X 62	B	B	F,G	F,G,H,I
1H6	25 1/2 X 71	B	B	F,G	F,G,H,I
1H7	25 1/2 X 83	B	B	F,G,J,K	F,G,J,K
30 1/2 X 26	29 1/2 X 25	B	B	F,G	F,G
30 1/2 X 38 3/8	29 1/2 X 37 3/8	B	B	F,G	F,G
30 1/2 X 50 5/8	29 1/2 X 49 5/8	B	B	F,G	F,G,H,I
30 1/2 X 56 1/4	29 1/2 X 55 1/4	B	B	F,G	F,G,H,I
30 1/2 X 63	29 1/2 X 62	B	B	F,G	F,G,H,I
30 1/2 X 72	29 1/2 X 71	B	B	F,G,H,I	F,G,H,I
30 1/2 X 84	29 1/2 X 83	B	B	F,G,J,K	F,G,J,K
22	36 x 25	B	B	F,G	F,G
23	36 x 37 3/8	B	B	F,G	F,G
24	36 x 49 5/8	B	B	F,G	F,G,H,I
245	36 x 55 1/4	B	B	F,G	F,G,H,I
25	36 x 62	B	B	F,G,H,I	F,G,H,I
26	36 x 71	B	B	F,G,H,I	D,E,F,G,H,I
27	36 x 83	B	B	F,G,J,K	F,G,H,I,J,K
42 x 26	41 x 25	B	B	F,G	F,G
42 x 38 3/8	41 x 37 3/8	B	B	F,G	F,G,H,I
42 x 50 5/8	41 x 49 5/8	B	B	F,G	F,G,H,I
42 x 56 1/4	41 x 55 1/4	B	B	F,G,H,I	F,G,H,I
42 x 63	41 x 62	B	B	F,G,H,I	D,E,F,G,H,I
42 x 72	41 x 71	B	B	F,G,H,I	D,E,F,G,H,I
42 x 84	41 x 83	B	B	F,G,J,K	F,G,H,I,J,K
48 x 26	47 x 25	B	A,C	F,G	F,G
48 x 38 3/8	47 x 37 3/8	B	A,C	F,G	F,G,H,I
48 x 50 5/8	47 x 49 5/8	B	A,C	F,G	F,G,H,I
48 x 56 1/4	47 x 55 1/4	B	A,C	F,G,H,I	F,G,H,I
48 x 63	47 x 62	B	A,C	F,G,H,I	D,E,F,G,H,I
48 x 72	47 x 71	B	A,C	F,G,H,I	D,E,F,G,H,I
48 x 84	47 x 83	B	A,C	F,G,J,K	D,E,F,G,H,I,J,K
32	52 1/8 X 25	B	A,C	F,G	F,G
33	52 1/8 X 37 3/8	B	A,C	F,G	F,G,H,I
34	52 1/8 X 49 5/8	B	A,C	F,G,H,I	F,G,H,I
345	52 1/8 X 55 1/4	B	A,C	F,G,H,I	D,E,F,G,H,I
35	52 1/8 X 62	B	A,C	F,G,H,I	D,E,F,G,H,I
36	52 1/8 X 71	B	A,C	F,G,H,I	D,E,F,G,H,I
* 37	52 1/8 X 83	B	A,C	F,G,J,K	D,E,F,G,H,I,J,K

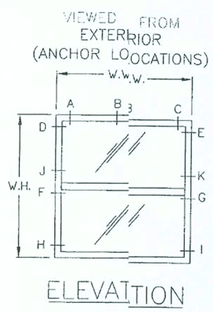
* 37 SIZE NOT AVAILABLE IN 1000 OR 1500 SERIES.

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

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

12) WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A NON-STRUCTURAL ONE BY WOOD BUCK (NOTE 7), USE A 3/16" DIA. TAPPER CONCRETE SCREW OF SUFFICIENT LTH. TO ACHIEVE MIN. EMBEDMENT OF 1-1/4" INTO MASONRY OR CONCRETE.
13) SEE THIS SHEET FOR TAPPER INSTALLATION ANCHOR LOCATION CHART. LETTER DESIGNATIONS ON THE TAPPER LOCATION CHART INDICATE WHERE TAPPER CONCRETE SCREWS ARE TO BE INSTALLED WHEN USING THE EXTERIOR ELEVATION AS A KEY.
14) 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 SIZES
(1) 18 1/8 x 62 AND (2) 30 1/2 x 72 x 84:
a) LIMIT TO 65 PSF, OR
b) INSTALL ONE ADDITIONAL FASTENER IN EACH JAMB OVER CHART REQUIREMENTS AT LOCATIONS H AND I.
15) 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 AND OPTIONAL ONE BY WOOD BUCK - SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION, SIMILAR FOR SECTION B-B):

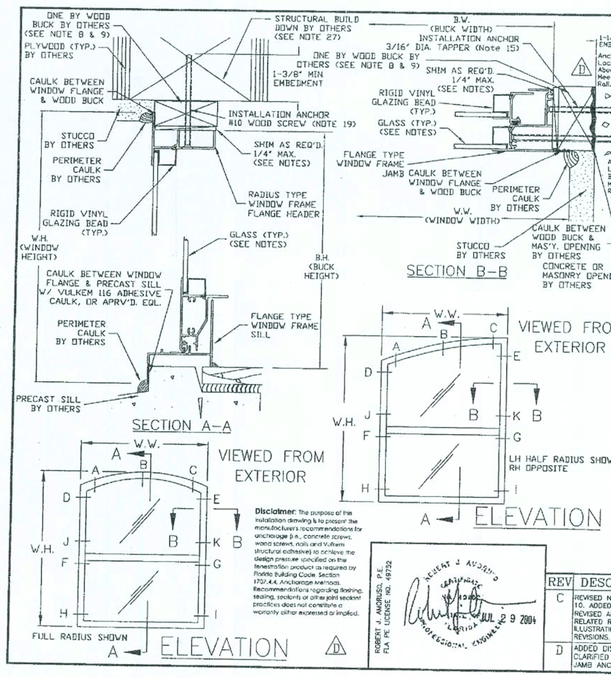
16) WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A STRUCTUAL TWO BY WOOD BUCK, USE #10 WOOD SCREWS (ANSI B18.6.1) OF SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MIN. EMBEDMENT INTO THE TWO BY WOOD BUCK.
16A) IF A TWO BY' 6 ONE BY WOOD BUCK ARE USED (SEE SECTION A-A ALTERNATE, SIMILAR F SECTION B-B), THEN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

DESIGN PRESSURE RATING & FBC REQUIREMENTS

19) IF EXACT WINDOW SIZE IS NOT LISTED IN TAPPER ANCHOR CHART FOR NON-STRUCTURAL BUCK INSTALLATION, USE ANCHOR QUANTITY LISTED FOR NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE REQ'D.
20) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES TO 70 PSF FOR THE WINDOW SIZES SHOWN IN THE CHART. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
21) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
22) COMPLIES WITH FBC, CHAPTER 17 SECTIONS 1707.4.4.1 FOR ANCHORING REQUIREMENTS, 1707.4.4.2 FOR MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATES AND 1707.4.4.3 FOR WOOD OR APPROVED FRAMING MEMBERS, MARCH 1, 2002.
23) 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 FBC, SECTION 1707.4.4.2 AND THE ENGINEER OF RECORD'S DETAILS.

REV	DESCRIPTION	DATE	INI
B			
C			
D			
E			

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL
SGL. HUNG FLANGE WINDOWS - SERIES 1000 , 1500 & 2000
DRAWN BY: RJA | APPROVED BY: RJA
DATE: 7/29/04 | SCALE: NTS | DWG.: FLEX0016, SHT 2 OF 2



Disclaimer: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., concrete screws, wood screws, nails and Vulkem structural adhesive) to achieve the design pressure specified on the fenestration product as required by Florida Building Code Section 1707.4.4. Anchorage methods, Recommendations regarding flashing, sealing, sealants or other joint sealant practices does not constitute a warranty either expressed or implied.

IMPORTANT INFORMATION & GENERAL NOTES

These notes are provided to ensure per installation of Florida Extruders Milestone products and must be followed fully.

GENERAL INSTALLATION INSTRUCTS

1) SHIM AS REQ'D. AT EACH INSTALLION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE SHIM STACK TO BE 1/4"
2) USE SILICONIZED ACRYLIC CAULKEHIND WINDOW FLANGE AT HEAD & JAMBS. SILL MUST BE ATTACHED TO THE SUBSTRATE WITH VULKEM 116 HESIVE CAULK OR APPROVED EQUAL. APPLICATION OF VULKEM 116 ADHESIVE CAULK OR APPROVED EQI AT FRAME SILL MUST COMPLY WITH SEALANT MANUFACTURER'S RECOMMENDATIONS.
3) USE SILICONIZED ACRYLIC CAULHR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FLANGE AND TO SEAL HEADS OF INSTALLATION FASTENER
4) FLORIDA EXTRUDERS 1000 SERIEINGLE HUNG IS SHOWN. THIS PRINT ALSO APPLIES TO THE FLORIDA EXTRUDERS 1500 AND 2000 SERIES GLE HUNGS.
5) WINDOW FRAME MATERIAL: ALUMIN ALLOY 6063.
6) BUILD DOWN AROUND CURVED PTION OF WINDOW FRAME TO BE ENGINEERED BY OTHERS. BUILD DOWN MUST BE OF SUFFICIENT STRENGTH ADEQUATELY TRANSFER LOAD FROM WINDOW TO THE STRUCTURE PER FBC, SECTION 1707.4.4.
7) WINDOW UNIT CAN BE MULLED TITHER UNITS USING ALUMINUM TUBE MULLION. SEE MULLION INSTALLATION SHEETS FOR REQUIRINTS.

ANCHOR INSTALLATION INSTRUCTIC

GENERAL:

8) NAIL ATTACHMENT OF NON-STRUKRAL ONE BY BUCK IS 4" FROM EACH CORNER AND 8" ON CENTER. USE A HARDENED "T-NAIL" WITH A 0.097" DIETER AND 1 3/8" LENGTH (5/8" EMBEDMENT), A HARDENED "MASONRY NAIL" WITH A 0.148" DIAMETER AND/2" LENGTH (3/4" EMBEDMENT) OR EQUIVALENT FOR THE JAMBS. USE A 0.113" DIAMETER COMMON WIRE NAVITH A 3/4" EMBEDMENT OR EQUIVALENT FOR THE HEAD.
9) APPLIES TO ALL NON-STRUCTURAIRCKS LESS THAN 1 1/2" THICKNESS. NOT INTENDED TO LIMIT TO NOMINAL ONE BY WOOD BNICK ONLY. BUCKS GITER THAN 1" NOMINAL (3/4" THICK) AND LESS THAN 2" NOMINAL (1 1/2" THICK) WILL REQUIRE NAIL LENGTH FICIENT TO MEET EMBEDMENT REQUIREMENTS OF NOTE 8.
10) ALL INSTALLATION ANCHORS MUSE MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPLIED SUITAFOR THE ENVIRONMENT AND/OR FRAMING MATERIAL. WHERE ANCHORS ARE USED IN PRESSURE-PRESERVATITNEATED WOOD, THE WOOD SUPPLIER SHALL BE CONSULTED FOR RECOMMENDATION OF ANCHORS CONTIBLE WITH THE PRESSURE-PRESERVATIVE TREATMENT PROCESS USED.
11) ALL FIELD SUPPLIED HOLES IN TRHAME (IF REQUIRED) WILL BE 3/16" IN DIAMETER.
12) WOOD SCREWS SHALL MEET ANSI B.6.1 DIMENSIONAL REQUIREMENTS.
13) IF WOOD TENDS TO SPLIT, PRE-E HOLES AS FOLLOWS: #8 WOOD SCREW - 1/8" DIA. PILOT HOLE & #10 WOOD SCREW - 9/64" DIA. PILOT HONATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION).

[SEE SHEET 2 FOR CONTINUATION OF NOTES]

ROBERT J. ANDRUSKI, P.E. FLA PE LICENSE NO. 49752 — JUL 29 2004

REV	DESCRIPTION	DATE	INI
C	REVISED NOTES 3, 8, 9 & 10. ADDED NOTE 27. REVISED AND/OR ADDED RELATED REFERENCES AND ILLUSTRATIONS FOR NOTE REVISIONS.	12/19/03	RJA
D	ADDED DISCLAIMER AND CLARIFIED LOCATION OF JAMB ANCHORS.	7/29/04	RJA

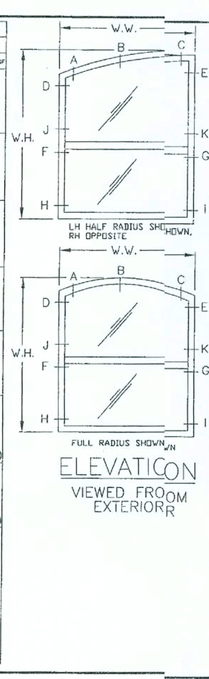
FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
CERTIFICATE AUTHORIZATION NO. 9235
TITLE: ITALLATION DETAIL SINGLE HUNG RADIUS HEAD
FLANGE/FRAME BUILD DOWN - SERIES 1000 , 1500 & 2000
DRAWN : JBH | APPROVED BY: RJA
DATE: 7/04 | SCALE: NTS | DWG.: FLEX0040 SHEET 1 OF 2

ANCHOR LOCATION CHART (SEE NOTES BELOW)

CALL SIZE	BUCK SIZE	LOCATIONS IN HEAD (see note 1 below) 30PSF TO 40PSF	LOCATIONS IN HEAD (see note 1 below) 41PSF TO 70PSF	LOCATIONS IN JAMB (see notes 2 & 3 below) 30PSF TO 40PSF	LOCATIONS IN JAMB (see notes 2 & 3 below) 41PSF TO 70PSF
12	18 1/8 x 27 5/16	A,C	A,C	F,G	F,G
13	18 1/8 X 39 11/16	A,C	A,C	F,G	F,G
14	18 1/8 X 51 15/16	A,C	A,C	F,G	F,G
145	18 1/8 X 57 19/32	A,C	A,C	F,G	F,G (a)
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,I
1H2	25 1/2 X 28 9/16	A,C	A,C	F,G	F,G
1H3	25 1/2 X 40 15/16	A,C	A,C	F,G	F,G
1H4	25 1/2 X 53 3/16	A,C	A,C	F,G	F,G,H,I
1H45	25 1/2 X 58 13/16	A,C	A,C	F,G	F,G,H,I
1H5	25 1/2 X 65 9/16	A,C	A,C	F,G	F,G,H,I
1H6	25 1/2 X 74 9/16	A,C	A,C	F,G	F,G,H,I
30 1/2 X 30 7/32	29 1/2 X 29 7/32	A,C	A,C	F,G	F,G
30 1/2 X 42 19/32	29 1/2 X 41 19/32	A,C	A,C	F,G	F,G
30 1/2 X 54 27/32	29 1/2 X 53 27/32	A,C	A,C	F,G	F,G,H,I
30 1/2 X 60 15/32	29 1/2 X 59 15/32	A,C	A,C	F,G	F,G,H,I
30 1/2 X 67 7/32	29 1/2 X 66 7/32	A,C	A,C	F,G (a)	F,G,H,I
30 1/2 X 76 7/32	29 1/2 X 75 7/32	A,C	A,C	F,G,H,I	F,G,H,I (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	F,G,H,I
245	36 x 60 9/16	A,B,C	A,B,C	F,G (a)	F,G,H,I
25	36 x 67 5/16	A,B,C	A,B,C	F,G,H,I	F,G,H,I (b)
26	36 x 76 5/16	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
42 x 32 5/32	41 x 31 5/32	A,B,C	A,B,C	F,G	F,G
42 x 44 17/32	41 x 43 17/32	A,B,C	A,B,C	F,G	F,G,H,I
42 x 56 25/32	41 x 55 25/32	A,B,C	A,B,C	F,G	F,G,H,I
42 x 62 3/8	41 x 61 3/8	A,B,C	A,B,C	F,G,H,I	F,G,H,I
42 x 69 5/32	41 x 68 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
42 x 78 5/32	41 x 77 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
48 x 33 5/32	47 x 32 5/32	A,B,C	A,B,C	F,G	F,G
48 x 45 17/32	47 x 44 17/32	A,B,C	A,B,C	F,G	F,G,H,I
48 x 57 25/32	47 x 56 25/32	A,B,C	A,B,C	F,G (a)	F,G,H,I
48 x 63 3/8	47 x 62 3/8	A,B,C	A,B,C	F,G,H,I	F,G,H,I (b)
48 x 70 5/32	47 x 69 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
48 x 79 5/32	47 x 78 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I (c)
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,I
34	52 1/8 X 57 5/8	A,B,C	A,B,C	F,G,H,I	F,G,H,I
345	52 1/8 X 63 1/4	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
35	52 1/8 X 70	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
36	52 1/8 X 79	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I (c)

ANCHOR LOCATION CHART NOTES:

1. Locations in HEAD for #10 Wood Screws into structural "two by" wood buck or "one by" wood buck/structural build-down.
2. Locations in JAMB for 3/16" TAPPER Concrete Screws into non-structural buck & concrete or masonry.
3. Locations in JAMB for #10 Wood Screws into structural "two by" buck. Where indicated by (a), (b) or (c) above, additional #10 Wood Screws shall be added at the following locations.
   (a) One additional anchor required in each jamb at locations "H" and "I".
   (b) One additional anchor required in each jamb at locations "D" and "E".
   (c) One additional anchor required in each jamb at locations "J" and "K".
4. Dimensions given are for half radius head units, full radius will be shorter.



IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

3/16" DIA. TAPPER CONCRETE SCREW (WITH NON-STRUCTURAL ONE BY WOOD BUCK) (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 SIZE 15:
   a) LIMIT TO 65 PSF, OR
   b) INSTALL ONE ADDITIONAL FASTENER IN EACH JAMB OVER CHART REQUIREMENTS AT LOCATIONS H AND I.
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):

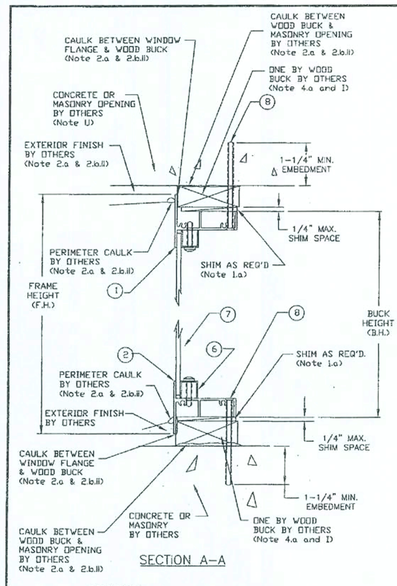
19) WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A STRUCTUAL TWO BY WOOD BUCK OR ONE BY WOOD BUCK/STRUCTURAL BUILD-DOWN, USE #10 WOOD SCREWS (ANSI B18.6.1) OF SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MIN. EMBEDMENT INTO THE TWO BY WOOD BUCK OR THE STRUCTURAL BUILD-DOWN FRAMING COMPONENT.
20) SEE SHEET 2 FOR INSTALLATION ANCHOR LOCATION CHART. LETTER DESIGNATIONS ON THE LOCATION CHART INDICATE WHERE #10 WOOD SCREWS ARE TO BE INSTALLED WHEN USING THE EXTERIOR ELEVATION AS A KEY. ALSO SEE "ANCHOR LOCATION CHART NOTES", NOTE 3, FOR WINDOW SIZES REQUIRING ADDITIONAL ANCHORS AND LOCATIONS.
21) #10 WOOD SCREWS SHALL NOT BE USED TO FASTEN ASSEMBLY INTO THE END GRAIN OF WOOD.
22) ALL REMAINING FACTORY APPLIED INSTALLATION FASTENER HOLES NOT USED FOR #10 WOOD SCREW INSTALLATION SHOULD BE FILLED WITH #8 WOOD SCREWS OF SUFFICIENT LTH. TO PROVIDE MIN. 5/8 IN. EMBEDMENT INTO WOOD BUCK.

DESIGN PRESSURE RATING & FBC REQUIREMENTS

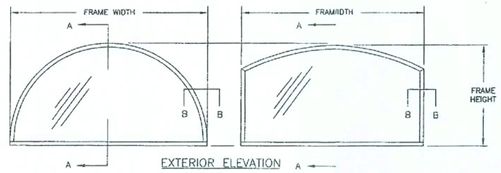
23) IF EXACT WINDOW SIZE IS NOT LISTED IN ANCHOR LOCATION CHART, USE ANCHOR QUANTITY LISTED FOR NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE REQ'D.
24) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES TO 70 PSF FOR THE WINDOW SIZES SHOWN IN THE CHART. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
25) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
26) COMPLIES WITH CHAPTER 17 SECTIONS 1707.4.4.1 FOR ANCHORING REQUIREMENTS, 1707.4.4.2 FOR MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATES AND 1707.4.4.3 FOR WOOD OR APPROVED FRAMING MEMBERS, MARCH 1, 2002.
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 1707.4.4.3AND THE ENGINEER OF RECORD'S DETAILS.

REV	DESCRIPTION	DATE	INI
B			
C			
D			

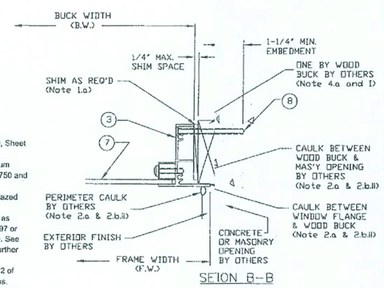
FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL SINGLE HUNG RADIUS HEAD
FLANGE W/FRAME BUILD DOWN - SERIES 1000 , 1500 & 2000
DRAWN BY: RJA | APPROVED BY: RJA
DATE:



SECTION A–A



EXTERIOR ELEVATION



SECTION B–B

GENERAL NOTES

(1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.

(A) Milestone Series 1000 Designer Fixed Aluminum Window is shown. Also applicable to Series 1750 and 2000 Designer Fixed Aluminum Windows.

(B) Drawing applicable to Non-Impact Resistant glazed windows.

(C) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWWDA 101/I.S. 2 - 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.

(D) For Fastener Location & Quantities see Sheet 2 of this drawing. See Note (H) regarding deviations.

(E) Concrete screw edge distance measured from edge of concrete/masonry/block to centerline of concrete screw must meet or exceed 2 1/4". Minimum size and embedment per Parts List. See Note (H) regarding deviations.

(F) Wood or tapping screw edge distance measured from edge of wood to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (H) regarding deviations.

(G) All field supplied holes in the frame (if required) will be 3/16" in diameter for 3/16" concrete screws and #10 wood screws.

(H) Any deviation less than the minimum requirements stated must be approved by the manufacturer or engineered by "other" Design Professional in accordance with the applicable Building Code and Product Approval.

PARTS LIST

1 Head - Flange Frame
2 Sill - Flange Frame
3 Jamb - Flange Frame
4 Not Used
5 Not Used
6 Glazing Bead - Rigid Vinyl
7 Glazing - See Note (B) and (C)
8 3/16" Dia. Flat Head Concrete Screwith minimum working load in shear of ; lbs at 1 1/4" embedment. See Note (J) on tdrawing and Note 7 on Drawing FLEX2010
9 #10 Wood or Tapping Screw with aimum embedment of 1-3/8" into "Structurwo By Buck or Framing". See Note (L) ons drawing and Note 8 on Drawing FLEX2010

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) as applicable) to achieve the design pressures specified on the fenestration product as required by the 2001 Florida Building Code (FBC), Section 1707.4.4, 2004 FBC-Building, Section 1714.5.4 and the 2004 FBC-Residential, Section R613.6. Recommendations regarding flashing, sealing, sealants or other joint sealant practices does not constitute a warranty either expressed or implied.

Florida Extruders Int'l., Inc.
2540 Jewett Lane - Sanford, FL 32771
407-323-3300 - 407-323-3507 (fax)
www.floridaextruders.com
Florida COA No. 9235

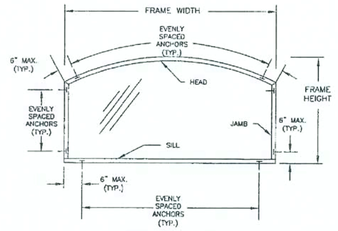
TITLE: Milestone Series 1000, 1750 and 2000 Non Impact Resistant Aluminum Flange Frame Designer Fixed Window Installation Drawing for Masonry Substrate & Concrete Header

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Turnover to FEB/DOS

Date: 12/27/05
Scale: NTS
Drawn By: RJA
Checked By: JH

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

Drawing No. FLEX28110
Sheet 1 of 2



EXTERIOR ELEVATION

FASTENER SPACING ILLUSTRATION
EYEBROW ARCH DESIGNER WINDOW SHOWN AS EXAMPLE

EXAMPLE:

HEAD (CURVED PORTION) SECURED TO CONCRETE HEADER, JAMBS OR SILL SECURED TO CMU AND CAST–SILL RESPECTIVELY WITH ONE BY BUCK

USE 3/16" DIA. CONCRETE SCREWS AT 24" O.C. SPACING BETWEEN ANCHORS AND SPACED 6" MAXIMUM FROM CORNERS.

– or –

HEAD (CURVED PORTION), JAMBS OR SILL SECURED TO STRUCTURAL TWO BY BUCK (ATTACHED TO CONCRETE HEADER, JAMBS OR SILL)

USE #10 WOOD SCREWS AT 12" O.C. SPACING BETWEEN FASTENERS AND SPACED 6" MAXIMUM FROM CORNERS. (NOTE: 12" SPACING FOR EXAMPLE EYEBROW APPLICATION. OTHER APPLICATIONS MAY REQUIRE 10" SPACING PER NOTE (P))

FASTENER INSTALLATION INSTRUCTIONS - FLEX28110

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

(I) Nail attachment of non-structural one by wood buck per Note 4.a.&.2 Drawing FLEX20100.
(J) Where window is installed in an opening with a non-structural one by wood buck for the head, sill and 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.
(K) Fastener spacing shall be per Notes (O), (P), (Q) and (R) below.

#10 WOOD SCREW WITH STRUCTURAL TWO BY WOOD BUCK AND CONCRETE BUILD-DOWN. USED WHEN TWO BY BUCK EMPLOYED IN LIEU OF ONE BY BUCK (THIS CONFIGURATION NOT SHOWN):

(L) Where window is installed in an opening with a structural two by wood buck for the head, sill and jambs, 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.
(M) Wood screws shall not be used to fasten assembly into the end grain of wood.
(N) Fastener spacing shall be per Notes (F), (P), (Q) and (R) below.

FASTENER SPACING (See Elevation View on this Sheet):

(O) Concrete screw spacing shall be as follows:
- 6" maximum from each corner of head, sill or jambs, and
- evenly spaced between corner anchors but not exceeding 24" o.c. spacing in head, sill or jambs.

(P) #10 wood screw spacing shall be as follows:
- 6" maximum from each corner of head, sill or jambs, and
- evenly spaced between corner anchors but not exceeding 12" o.c. spacing in head, sill or jambs for the following configurations:
  - o eyebrow
  - o half-circle arch
  - o half-eyebrow
  - o octagon
  - o fan
  - o pentoid
  - o full-circle
  - o half-circle
  - o triangle
  - o trapezoid
  - o oval
- evenly spaced between corner anchors but not exceeding 10" o.c. spacing in head, sill or jambs for the following configurations:
  - o quarter-circle
  - o quarter-circle arch
  - o half-fan

(Q) Spacing in Note (O) and (P) above based on the use of either a concrete screw or #10 wood screw as required for securing the window frame into the substrate as follows (see illustration this sheet):
- Concrete screw into concrete or masonry using a non-structural One By Wood Buck.
- #10 wood screw into a Two By Wood Buck structurally attached to concrete or masonry substrate.

(R) If configuration requires combination of concrete screw and #10 wood screw in either a head, sill or jamb, the lower of the maximum spacings above shall be used.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(S) Installations depicted in these instructions 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.
(T) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWWDA 101/I.S. 2 - 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
(U) Concrete Header at head and/or two by wood buck and/or framing at the head, sill 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.
(V) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

Florida Extruders Int'l., Inc.
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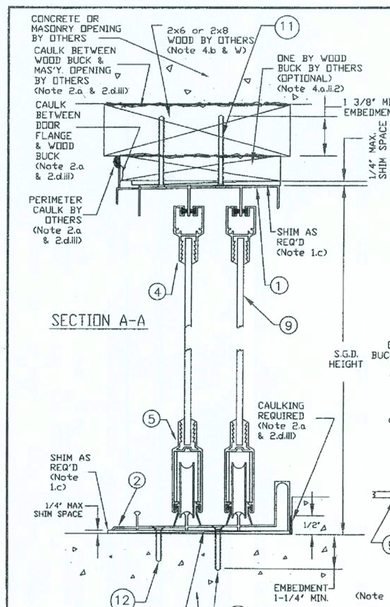
Florida COA No. 9235

TITLE: Milestone Series 1000, 1750 and 2000 Non Impact Resistant Aluminum Flange Frame Designer Fixed Window Installation Drawing for Masonry Substrate & Concrete Header

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Turnover to FEB/DOS

Date: 12/27/05
Scale: NTS
Drawn By: RJA
Checked By: JH

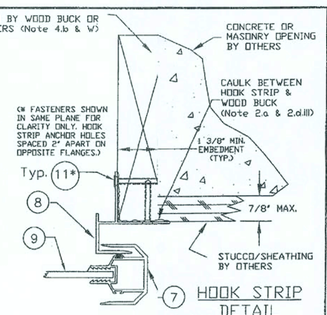
Drawing No. FLEX28110
Sheet 2 of 2



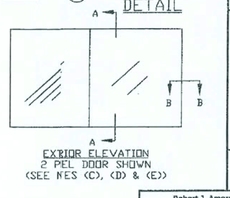
SECTION A-A

PARTS LIST

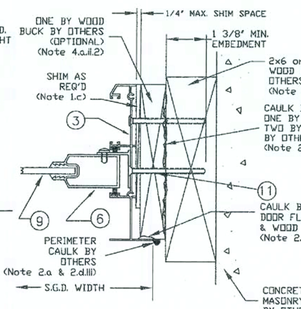
1 Head - Flange Frame
2 Sill - Flange Frame
3 Jamb - Flange Frame
4 Head - Panel
5 Sill - Panel
6 Lock Stile - Panel
7 Interlock - Panel
8 Hook Strip
9 Glazing - See Note (B) and (V)
10 3/16" Dia. Flat Head Concrete Screw with minimum working load in shear of 255 lbs at 1 1/4" embedment. See Note (K) on this drawing and Note 7 on Drawing FLEX20100.
11 #10 Wood or Tapping Screw with a minimum embedment of 1-3/8" into two by framing. See Note (P) on this drawing and Note 8 on Drawing FLEX20100.
12 #10 Wood or Tapping Screw with Plastic Inserts (Note 8.j on FLEX201100) at a minimum embedment of 1" into the concrete sill. See Note (O) on this drawing and Note 8 on Drawing FLEX20100
13 #10 Wood or Tapping Screw with a minimum embedment of 7/8" into the "One By Wood Buck". See Note (R) on this drawing and Note 8 on Drawing FLEX20100.



HOOK STRIP DETAIL



EXTRIOR ELEVATION
2 PEL DOOR SHOWN
(SEE NES (C), (D) & (E))

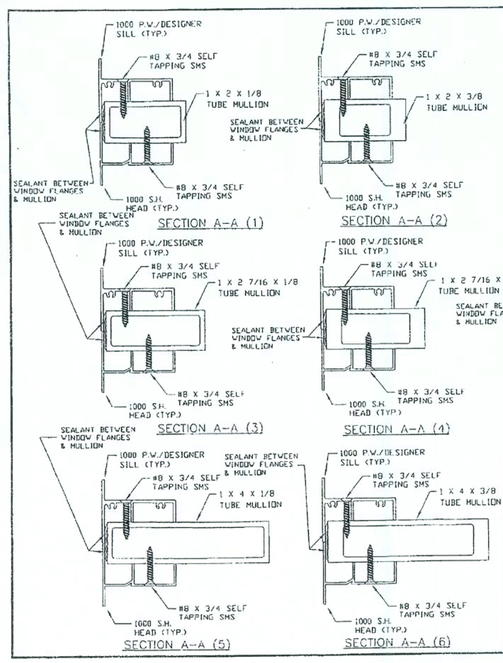


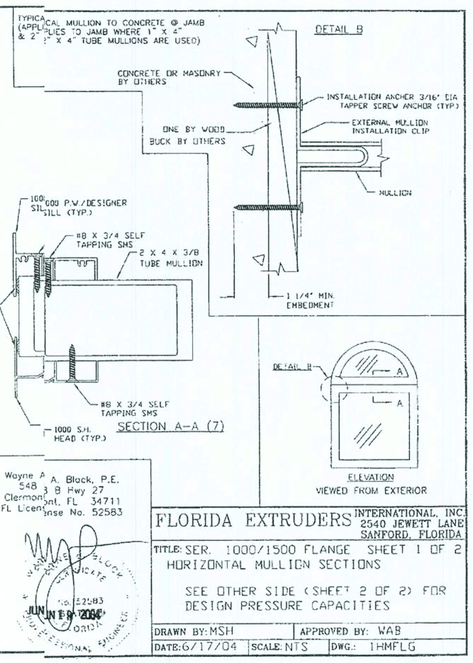
SECTION B-B

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e.,concrete screws, wood screws, tappsnews, nails and Vulkem Structrcheative (or other approved equal applicable) to achieve the expressure specified on the fenlion product as required by the Florida Building Code (FBC)Sec 1707.4.4, 2004 FBCBuilding, Section 1714.5.4 and the 2 FBC-ResiBcrsual, Se R613.6. Recommendationsrnarding flashing, sealing, sealants ent Joint sealant practices oek constituce a warranty either eiuel or implied.

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

Drawing No. FLEX24112
Sheet 1 of 2





Wayne A. Block, P.E.
548 S.R. 19 Hwy 27
Clermont, FL 34711
FL License No. 52583

FLORIDA EXTRUDERS INTERNATIONAL, INC.
2540 JEWETT LANE
SANFORD, FLORIDA

TITLE: SER. 1000/1500 FLANGE SHEET 1 OF 2
HORIZONTAL MULLION SECTIONS

SEE OTHER SIDE (SHEET 2 OF 2) FOR DESIGN PRESSURE CAPACITIES

DRAWN BY: MSH	APPROVED BY: WAB
DATE: 6/17/04	SCALE: NTS	DWG.: 1HMFLG

REVISIONS :

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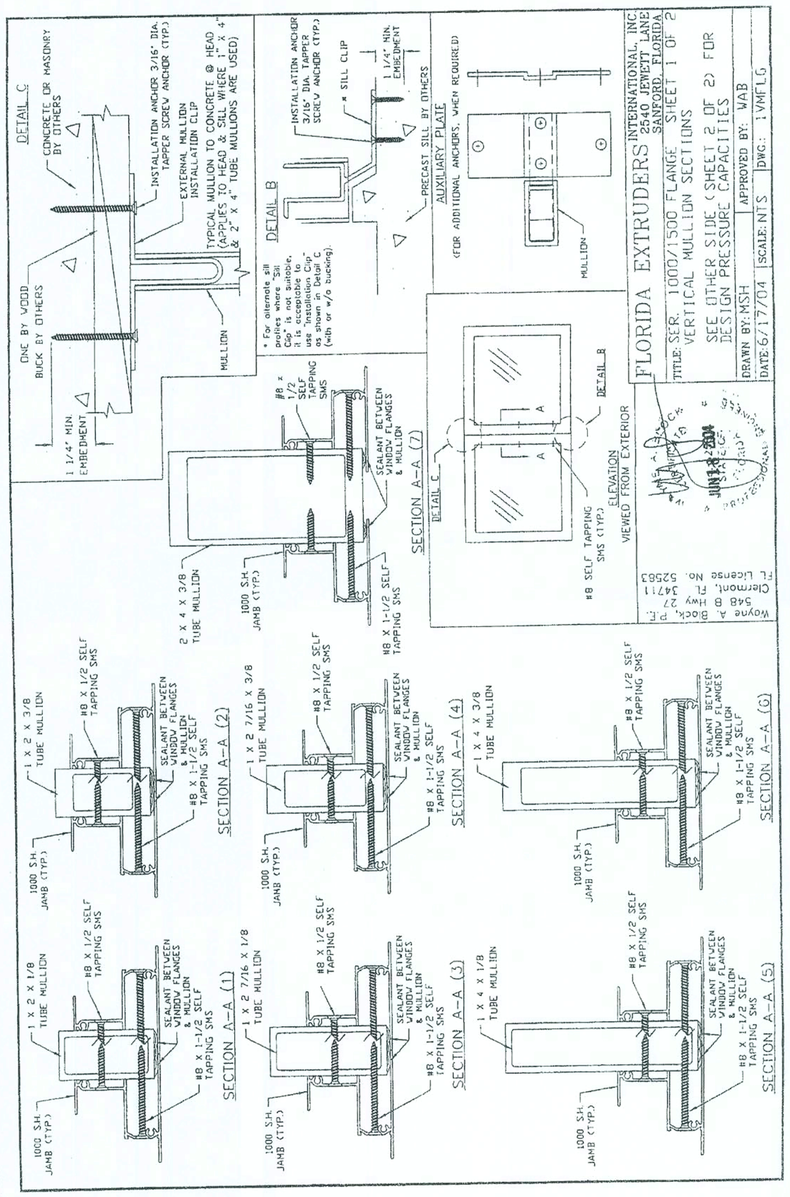
(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE:

SHEET: 2 of 3

...\title_blocks\18x24-1252d.dgn Mar. 31, 2006 13:32:09



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:

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

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

a. GENERAL - SEALANT TYPE (not applicable when a specific brand or type is required)
   i. Sealant type shall be chosen based on the sealant manufacturer's recommendation as it relates to materials to be sealed, environmental conditions and intended use.
b. WINDOWS - FLANGE FRAME
   i. Adhesive Seal - REQUIRED
      1. Use Vulkem 116 adhesive sealant or approved equal between window's integral mounting fin and pre-cast concrete sill (or other sill construction) along full length of sill.
      2. Application of Vulkem 116 adhesive sealant or approved equal must comply with sealant manufacturer's recommendations
   ii. Sealant - RECOMMENDED (see Disclaimer)
      1. Use sealant behind window flange at head and jambs.
      2. Use sealant for perimeter seal around exterior of flange window mounting fin and to seal heads of installation fasteners.
c. WINDOWS - FIN FRAME
   i. Adhesive Seal - NOT REQUIRED
   ii. Sealant - RECOMMENDED (see Disclaimer)
      1. Use sealant behind window flange at head, sill and jambs.
      2. Use sealant for perimeter seal around exterior of flange window mounting fin and to seal heads of installation fasteners.
d. SLIDING GLASS DOORS
   i. Adhesive Seal - NOT REQUIRED
   ii. Mechanically Fastened Corners - REQUIRED
      1. Sliding Glass Doors received in "Knocked-Down/Not Assembled" condition shall have jamb and sill corners sealed with a small joint seam sealant
   iii. Sealant - RECOMMENDED (see Disclaimer)
      1. Use sealant behind door flange at head & jambs and behind hook strip
      2. Liberally apply sealant under sill or set sill in bed of wet concrete. Seal between back corner of sill riser and concrete. Seal all fastener holes prior to installing fastener and around head after installation.
      3. Use sealant for perimeter seal around exterior of door and between hook strip & buck for pocket doors and to seal heads of installation fasteners

3) MATERIALS:

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

4) BUCKING

a. One by (1x) wood bucking:
   i. Applies to all non-structural bucks less than 1 1/2" thickness. Not intended to limit to nominal one by wood buck only.
   ii. One by wood bucking shall be secured to the substrate (masonry, concrete or structural wood bucking or framing using fasteners suitable for the application
      1. If the product specific installation drawing does prescribe fastening requirements for the bucking, they shall be followed.
      2. 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.
         a. Installer, builder or design professional of record may specify method to secure one by wood bucking to substrate to facilitate window installation.
b. Two by (2x) wood bucking or framing:
   i. Applies to all structural wood bucks and/or framing at the head, jamb or sill equal to and greater than 1 1/2" thickness
   ii. 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

5) 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.

6) All field supplied holes in the frame (if required) will be as follows.
a. 5/32" diameter for all #8 wood or tapping screws.
b. 3/16" in diameter for all #10 wood or tapping screws and 3/16" diameter concrete screws.
c. No. 29 size drill bit for 0.131" shank diameter nails.
d. No. 33 size drill bit for 0.113" shank diameter nails.

7) Concrete Screws (For attachment to masonry or concrete substrate.)

a. Shall be "Flat" head unless otherwise indicated.
b. Shall have a minimum nominal diameter of 3/16" unless otherwise noted.
c. Shall have a minimum embedment of 1 1/4" into the concrete, masonry or concrete block or masonry unit (CMU) receiving the point unless otherwise noted.
d. Shall have an allowable working load in shear as noted on the "Parts List" on the product specific installation drawing
   i. Working load is defined as the ultimate load determined by test divided by 4 as determined and published by the concrete screw's manufacturer.
   ii. If the allowable shear load exceeds the above minimum, required number of fasteners shown on the installation drawings CANNOT be decreased.
   iii. If the allowable shear load is less than the above minimum, additional site engineering analysis meeting the building code and acceptable to the Authority Having Jurisdiction (AHJ) WILL BE required.
e. Concrete screws shall be of sufficient length so that the minimum embedment into the receiving substrate (member receiving the point) is met.
f. Minimum Edge Distance of concrete screw fasteners shall be 2 3/4" from any edge of the substrate for a 3/16" diameter concrete screw.

DISCLAIMER

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

NOTE ON PE SEALING

Original drawings with two sheets (pages) are reproduced on one sheet front and back. When reproduced this way, they are sealed on the first (front) sheet only. In response to Robert Amoruso'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 Amoruso dated July 31, 2002 from the Office of the Attorney General, State of Florida.

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

ROBERT JAMES AMORUSO LICENSE No. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

Drawing No. FLEX20100
Sheet 1 of 2

Florida Extruders Int'l., Inc.
2540 Jewett Lane - Sanford, FL 32771
407-323-3300 - 407-322-3507 (fax)
www.floridaextruders.com
Florida COA No. 9235

TITLE: 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	6/6/05	RJA	Original Issue
1	9/20/05	RJA	Editorial Changes
2	12/27/05	RJA	Revised Notes 1, 6, 9 & 12
3	11/14/06	RJA	Revised Notes 1, 6, 9, 12, 13 & 15. Up-Dated Seals

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

FASTENER LOCATION TABLE (see Elevation View, Sheet 1)

Series	Size Code	Frame Width and Height			Fastener Screw Location	
		Width	Height (Full Radius)	Height (Half Radius)	Head (No. 10 WS)	Jambs (No. 10 WS or Concrete Screw)
1000/1500/2000	12	19 1/8	26 13/16	28 5/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	13	19 1/8	39 3/16	40 11/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	14	19 1/8	51 7/16	52 15/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	145	19 1/8	57 1/16	58 9/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	15	19 1/8	63 13/16	65 5/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	16	19 1/8	72 13/16	74 5/16	A, B, C	D, E, F, G, H, I, J, K
1000/1500	17	19 1/8	84	84	A, B, C	D, E, F, G, H, I, J, K
2000	17	19 1/8	90	86 5/16	A, B, C	D, E, F, G, H, I, J, K, Y, Z
1000/1500/2000	1H2	26 1/2	27 7/16	29 9/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	1H3	26 1/2	39 13/16	41 15/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	1H4	26 1/2	52 1/16	54 3/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	1H45	26 1/2	57 11/16	59 13/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	1H5	26 1/2	64 7/16	66 9/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	1H6	26 1/2	73 7/16	75 9/16	A, B, C	D, E, F, G, H, I, J, K
1000/1500	1H7	26 1/2	84	84	A, B, C	D, E, F, G, H, I, J, K
2000	1H7	26 1/2	90	87 9/16	A, B, C	D, E, F, G, H, I, J, K, Y, Z
1000/1500/2000	3H2	30 1/2	27 7/3/96	30 11/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	3H3	30 1/2	40 13/96	42 29/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	3H4	30 1/2	52 37/96	54 41/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	3H45	30 1/2	58 1/96	60 23/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	3H5	30 1/2	64 73/96	67 11/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	3H6	30 1/2	73 73/96	76 11/48	A, B, C	D, E, F, G, H, I, J, K
1000/1500	3H7	30 1/2	84 1/96	83 47/48	A, B, C	D, E, F, G, H, I, J, K
2000	3H7	30 1/2	90 1/96	89 47/48	A, B, C	D, E, F, G, H, I, J, K, Y, Z
1000/1500/2000	22	37	28 5/16	31 5/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	23	37	40 11/16	43 11/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	24	37	52 15/16	55 15/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	245	37	58 9/16	61 9/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	25	37	65 5/16	68 5/16	A, B, C	D, E, F, G, H, I
1000/1500/2000	26	37	74 5/16	77 5/16	A, B, C	D, E, F, G, H, I, J, K
1000/1500	27	37	84	84	A, B, C	D, E, F, G, H, I, J, K
2000	27	37	90	86 5/16	A, B, C	D, E, F, G, H, I, J, K, Y, Z
1000/1500/2000	482	48	29 7/32	33 7/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	483	48	41 19/32	45 25/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	484	48	53 27/32	57 37/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	4845	48	59 15/32	63 19/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	485	48	66 7/32	70 7/48	A, B, C	D, E, F, G, H, I
1000/1500/2000	486	48	75 7/32	79 7/48	A, B, C	D, E, F, G, H, I, J, K
1000/1500	487	48	84	84 1/12	A, B, C	D, E, F, G, H, I, J, K
2000	487	48	90	90 1/12	A, B, C	D, E, F, G, H, I, J, K, Y, Z
1000/1500/2000	32	53 1/8	29 21/32	34	A, B, C	D, E, F, G, H, I
1000/1500/2000	33	53 1/8	42 1/32	46 3/8	A, B, C	D, E, F, G, H, I
1000/1500/2000	34	53 1/8	54 9/32	58 5/8	A, B, C	D, E, F, G, H, I
1000/1500/2000	345	53 1/8	59 29/32	64 1/4	A, B, C	D, E, F, G, H, I
1000/1500/2000	35	53 1/8	66 21/32	71	A, B, C	D, E, F, G, H, I
1000/1500/2000	36	53 1/8	75 21/32	80	A, B, C	D, E, F, G, H, I, J, K
1000/1500	n/a	n/a	n/a	n/a	n/a	n/a
2000	37	53 1/8	90	90	A, B, C	D, E, F, G, H, I, J, K, Y, Z

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:
(1) 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.
(2) 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:
(1) 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.
(2) 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.
(3) 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

(O) If exact window size is not listed in fastener installation table, use fastener locations listed for next larger size.
(P) Installations depicted in these instructions acceptable for design pressures to 70 PSF for the window sizes shown in the chart. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than that shown in the fastener quantity table and shall be determined in accordance with Note 13 of FLEX20100.
(Q) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWWDA 101/I.S. 2, 101/I.S. 2/NAFS or AAMA/WDMA/CSA 101/I.S. 2/A440 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
(R) Structural build-down at head, two by wood buck and/or framing at the head and jambs to be securely fastened to transfer the load to the masonry, concrete or other structural substrate per the FBC and the engineer of record's details as applicable.
(S) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

FASTENER LOCATION TABLE NOTES:
1. This chart and Notes I, J, K.1, L, M and N for use when Radius Head Flange Window is installed in opening with the following attributes:
   a. Wood Structural Build-Down at Head, and
   b. Masonry/Concrete Substrate and One-By Wood Buck at Jambs.
2. 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.
   a. Wood Structural Build-Down at Head,
   b. Optional Structural Two By Buck is installed at the head or jambs, and
   c. Optional One By Wood Buck is installed at the head or jambs.
3. See Note R regarding structural framing requirements.
4. See Sheet 1 for Fastener Location Diagrams.
5. Fasteners Y & Z applicable to Series 2000 Size 37 Only. Y. 3/16" Hole must be drilled in field.

Drawing No. FLEX22110
Sheet 2 of 2

Florida Extruders Int'l., Inc.
2540 Jewett Lane - Sanford, FL 32771
407-323-3300 - 407-322-3507 (fax)
www.floridaextruders.com
Florida COA No. 9235

TITLE: Milestone Series 1000, 1500 & 2000 Non-Impact Resistant Aluminum Flange Frame Radius Head SH Window Installation Dwg. for Masonry/Wood Substrate with Concrete/Wood Screws

No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX20040
1	11/14/06	RJA	Revised Anchorage
2	3/02/07	RJA	Editorial Corrections

Date: 3/02/07
Scale: NTS
Drawn By: RJA
Checked By: JH

REVISIONS :

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

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FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE:

SHEET: 3 of 3

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PRODUCT APPROVAL INFORMATION SHEET FOR FLORIDA

PROJECT NAME:_____ PERMIT # _____

PROJECT ADDRESS: _____

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

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
A. EXTERIOR DOORS					
1. Swinging	Plastpro Inc.	Fiberglass Doors	Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ASCE 7 Minimum Design Load For Building and Other Structures.	FL 6729.1 FL 6729.5	+ 50 / -50 + 50 / -50
2. Sliding	Simonton/Norandex Florida Extruders	Sliding Glass Doors	500 72X80 SGD-R45 Milestone 1000 SGD	FL 5979.1 FL 45.1	+ 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 HVHZ.	FL 5287.1 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 Danvid Window Co Florida Extruders	300 Fin Single Hung 34 Flange Frame S.H. Milestine 1000 S.H.	40-17 72x74 H-r45	FL5089.1 FL 2752.1 FL 42.1	+45 / -45 +55 / -55 +45 / -45
2. Horizontal Slider					
3. Casement					
4. Double hung					
5. Fixed	H-R Windows Danvid Window Co Florida Extruders	300Fin Frame Fixed34 Flange Frame Fixed Milestone 1000 Fixed	437.438 111X63 F-C60 /16 Tempered Glass Flange & Fin	FL 1291.2 FL 2349.1 FL 44.1	+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 determined by ASCE 7 Minimum Design Load for Building and Other Structures.	FL 5782 FL 3136-R2	+45 / -45
10. Wind breaker					
11. Dual action					
12. Other					
C. PANEL WALL					
1. Siding	Owen Corning	Norandex - Summit Manor Dbl 4.5 Butch Lap Reynolds - Easy Street Dbl 4.5 Dutch Lap	This Evaluation is not for use within the FBC HVH; or on Education Facilities within the State of Florida. Vinyl Siding is limited to Type construction, as defined now. Section 602.5- TYPE V CONSTRUCTION Type V construction is the type of construction in which the structural elements, exterior walls and interior walls are of ant material permitted by this code. Compliance is valid only if the subject profile trade name is current on the VSI Vinyl Siding Certification Program.	FL 920.3 FL 920.7	+NA / -152 +NA / -152
2. Soffit	Alsco Metal Corp	16" Vented Soffit Quad 4 Aluminum Soffit	For use as soffit only. Not for use in HVHZ	FL 4459.1	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 1 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 5289.1 FL 8103.1 FL 3792.5	
E. SHUTTERS					
1. Storm Panels	Atrium Shutters, Inc. K&D Manufacturing All American Shutters, Inc.	5L Panel Galv. Stl Storm	This product may only be installed on concrete, hollow concrete block or wood substrates. This product is NOT suitable for installation in the High Velocity Hurricane Zone.	FL 5547.1 FL 2773.1 FL 393.1	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.	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 R1	
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 reponsibility to have a legible copy of each manufacturer's printed instructions, along with the list above, on the job site available to the Inspector.

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

_____

_____

_____

_____

_____

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

Company Name: _____

Mailing Address: _____

_____

City: _____ State: _____ Zip Code: _____

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

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

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

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

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FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 : RESIDENTIAL AND 2005, 2006 SUPPLEMENT

PRODUCT APPROVAL

DRAWN BY:
GARAGE:
RELEASE DATE:

SHEET:

PLOT DATE: 21 JAN 2008
08.3.3
pxf\prod_approval.dgn

DISTINCTION SERIES

SMC INSWING 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 STUCCO.
4. PRODUCT DOES NOT MEET IMPACT RESISTANCE
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
   - FOR 6' 8" HIGH DOORS: SEE TABLE 1.
   - FOR FRAMES OVER 6' 8" UP TO 8' 0": SEE TABLE 2.

DISTINCTION SMC FIBERGLASS DOOR

DOOR LEAF CONSTRUCTION:

FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.060" THICK FIBERGLASS SKIN.

CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.

CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS.THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.

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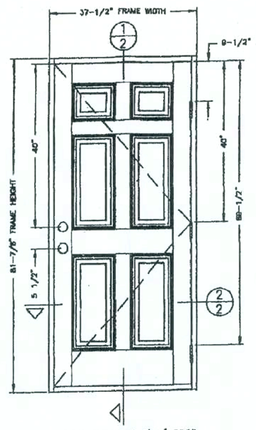
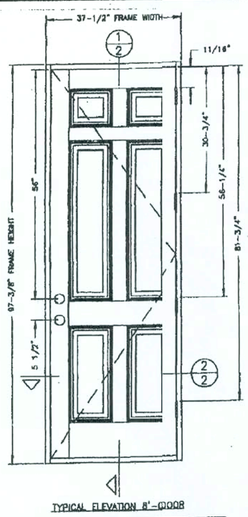
SHEET #	DESCRIPTION
1	GENERAL NOTES, TYPICAL ELEVATIONS
2	CROSS SECTIONS (VERTICAL AND HORIZONTAL)
3	ANCHORING LAYOUT
4	PART LIST



TYPICAL ELEVATION 6'-8" DOOR



TYPICAL ELEVATION 8'-0"DOOR

DESIGN PRESSURE RATING (TABLE #1)	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED	+60 PSF
NEGATIVE	NOT APPROVED	-60 PSF

DESIGN PRESSURE RATING (TABLE #2)	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED	50 PSF
NEGATIVE	NOT APPROVED	-55 PSF

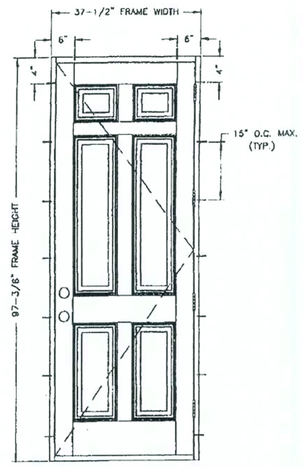
PLASTPRO, INC.
9 PEACH TREE HILL RD.
LIVINGSTON, NJ 07039

PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOOR
PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS

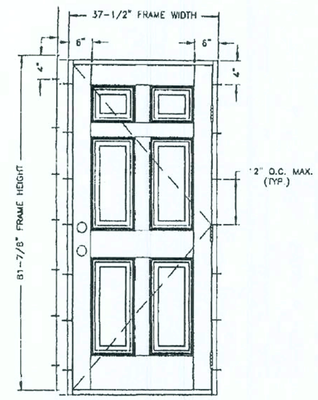
NO.	DATE	REVISIONS	BY

RW CONSULTING (813) 684-3831

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



ANCHOR LAYOUT FOR 8'-0" DOOR



ANCHOR LAYOUT FOR 6'-8" DOOR

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

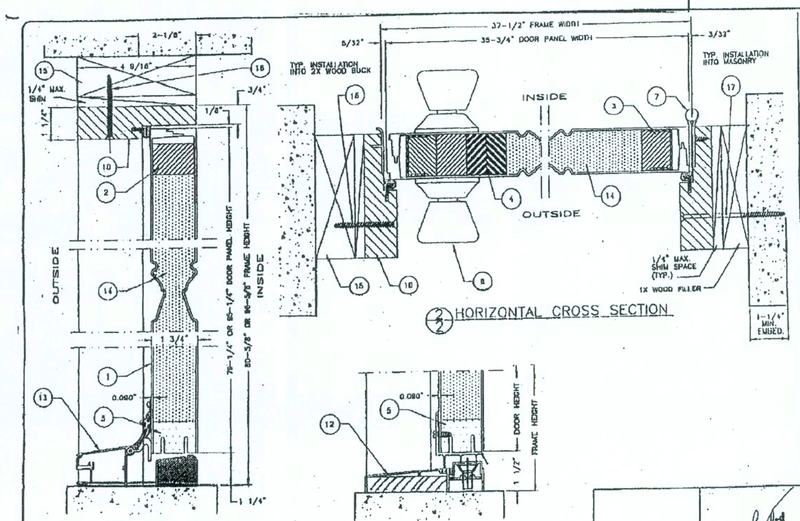
PLASTPRO, INC.
9 PEACH TREE HILL RD.
LIVINGSTON, NJ 07039

PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOOR
PART OR ASSEMBLY: ANCHORING LAYOUT

NO.	DATE	REVISIONS	BY

RW CONSULTING (813) 684-3831

DATE: 01/06/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-01
SHEET 3 of 4



1/2 HORIZONTAL CROSS SECTION

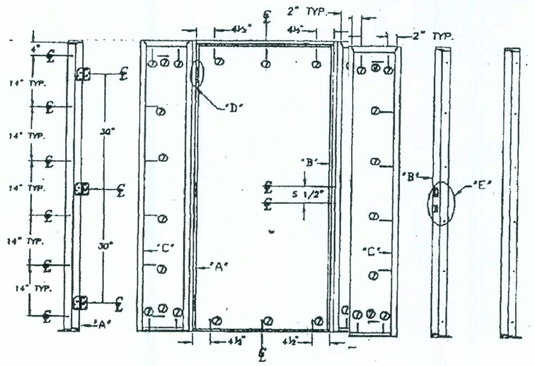
1/2 VERTICAL CROSS SECTION

1/2 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 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 5'5'4 X 6'8
SINGLE INSWING UNIT W/WO SIDELITES
PRODUCT ACCEPTANCE No.: DSI222

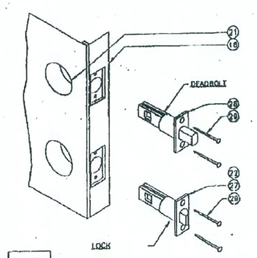
SCREW SCHEDULE			
2	#10 X 5/8"	PHILLIPS FLAT HEAD	
4	#10 X 1 3/4"	PHILLIPS FLAT HEAD	
5	#10 X 2"	PHILLIPS FLAT HEAD	
7	#10 X 3"	PHILLIPS FLAT HEAD	

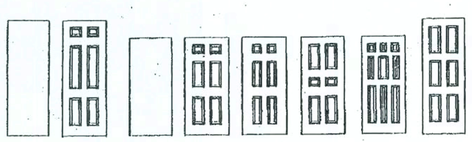


Product Acceptance No: DSI-222						
Size: up to 5'4 x 6'8	Inswing (wood jamb)		Co	configuration:	X, OXO, XO, OX	
	2'0	2'4	2'6 6	2'8	3'0	
Single Opaque W/Sidelites	+80 -80	+80 -80	+83 -8 -80	+80 -80	+80 -80	
Single Glazed W/Sidelites	+75 -80	+64 -77	+60 -7 -71	+60 -60	+60 -60	
(Door does not meet Missile Impact)				+56 -67	+50 -60	
Test # 210-1987, 210-2024				+50 -60	+50 -60	

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

ITEM	DESCRIPTION	PART No.	MATERIAL
1	DOOR SKIN (8' PANEL 8'-0")	SAG 84	SMC .060" THK FIBERGLASS
	DOOR SKIN (6' PANEL 6'-0")	SOG 84	SMC .060" THK FIBERGLASS
2	TOP RAIL (6'-8")	WCA 30	WOOD (MAHOGANY)
	TOP RAIL (8'-0")	WCA 30	WOOD (MAHOGANY)
3	HINGE STILE	WCA 30	WOOD (MAHOGANY)
		RU 422	STEEL (SS 41)
4	LOCK STILE	WCA 30 (TWO PCS.)	WOOD (MAHOGANY)
		RU 422	STEEL (SS 41)
		WCA 30 (TWO PCS.)	WOOD (MAHOGANY)
5	BOTTOM RAIL	AJG 77	FLOW PVC EXTRUSION
		WAS 01	PVC
6	DOOR BOTTOM (INSWING)	DK 250 (ENDURA)	PVC CO-EXTRUSION
		BENCHMARK ADJ. DOOR SWEEP	PVC CO-EXTRUSION
		DOOR SWEEP	ALUMINUM / PVC
7	BUTT HINGE	1 X 4"	BRASS
8	LATCH LOCK	KWIKSET 200 SERIES	
9	DEAD BOLT	KWIKSET 660 SERIES	
10	DOOR FRAME	4-9/16" WOOD FRAME	FINGER JOINTED WHITE PINE
11	THRESHOLD (INSWING)	606 ESA (WATERSTOP)	SCHLAGER S-LOK
		1 1/4 ERGONOMIC	ALUMINUM / WOOD
12	THRESHOLD (INSWING)	606 ESA (WATERSTOP)	SCHLAGER S-LOK
		606 (STANDARD)	ALUMINUM / WOOD
		606 ESA	SCHLAGER S-LOK
		606 BUTTER	ALUMINUM / WOOD
13	FOAM CORE		PC-11 URETHANE FOAM CORE
14	2X		WOOD BLOCK
15	ANCHOR	#8X2-1/2" PFH W/ Screw	STEEL
17	ANCHOR	3/16" X 1" HH TAPCON	STEEL





DOOR MODELS

PLASTPRO, INC.
9 PEACH TREE HILL RD.
LIVINGSTON, NJ 07039

PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOOR
PART OR ASSEMBLY: PARTS LIST

NO.	DATE	REVISIONS	BY

RW CONSULTING (813) 684-3831

DATE: 01/99
SCALE: N.T.S.
DWG. BY: R.P.
CHK. BY:
DRAWING NO.: 99
SHEET 4 of 4

REVISIONS :

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Maronda Homes

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

EXT. DOOR DETAILS

IN SWING-FIBERGLASS

RELEASE DATE:

SHEET:

FD1

DWG:D:\DC200\Fnl\ne bracs\4x2\4-generification

03 JUN 2003

09:03:33

DISTINCTION SERIES

SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS NOT REQUIRED
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
   - FOR 6' 8" HIGH DOORS: SEE TABLE 1.
   - FOR FRAMES OVER 6' 8" UP TO 8' 0": SEE TABLE 2.

DISTINCTION SMC FIBERGLASS DOOR

DOOR LEAF CONSTRUCTION:

FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.050" THICK FIBERGLASS SKIN.

CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.

CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS.THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.

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SHEET #	DESCRIPTION
1	GENERAL NOTES, TYPICAL ELEVATIONS
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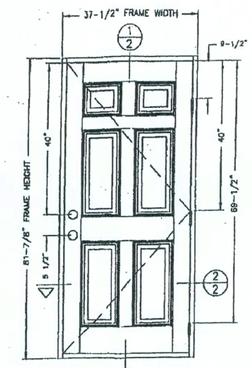
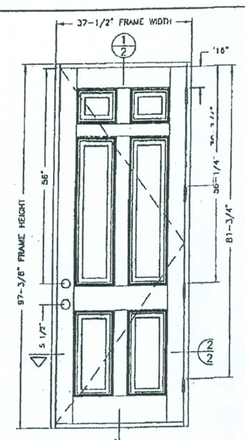


TYPICAL ELEVATION 6'-8" DOOR



TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)

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

DESIGN PRESSURE RATING (TABLE #2)

	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+50 PSF	+50 PSF
NEGATIVE	-55 PSF	-55 PSF

PLASTPRO, INC. 9 PEACH TREE HILL RD. LAWNSTON, NJ 07039

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR

PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS

REVISIONS: NO. DATE BY

RW CONSULTING (813) 684-3831

DATE: 01/06/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-02
SHEET 1 of 4

DISTINCTION SERIES

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

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET THE SOUTH FLORIDA BUILDING CODE 1994 EDITION FOR MIAMI-DADE COUNTY.
2. WOOD BUCKS BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
4. IMPACT RESISTANT SHUTTERS ARE REQUIRED
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
   - FOR 6' 8" HIGH DOORS: SEE TABLE 1.
   - FOR FRAMES OVER 6' 8" UP TO 8' 0": SEE TABLE 2.

DOOR LEAF CONSTRUCTION:

1. FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.075 THK. FIBERGLASS SKIN.
2. CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.
3. CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN, GLUED TO THE WOOD BUCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM
4. GLAZING: 5/8" OVERALL THICKNESS INSULATED GLASS PANEL CONSISTING OF: TWO 1/8" TEMPERED LITES AND ONE AIR SPACE
5. REINFORCING: ONE (1) "U" SHAPED STEEL REINFORCING CHANNEL MEASURING 1.591"x0.748"x0.076" THK. WAS LOCATED AT EACH PANEL STILE. (8'-0" DOOR ONLY)

TABLE OF CONTENTS

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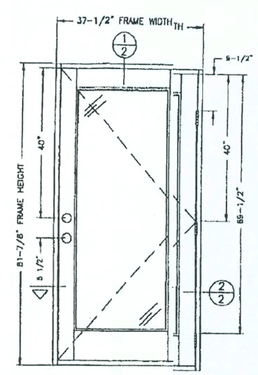
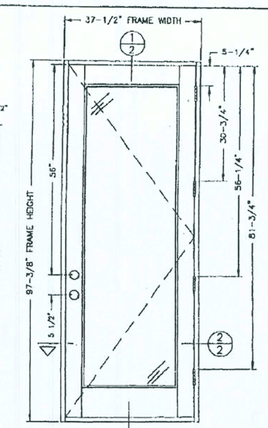
4	PART LIST



TYPICAL ELEVATION 6'-8" DOOR



TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)

	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+60 PSF	+60 PSF
NEGATIVE	-80 PSF	-80 PSF

DESIGN PRESSURE RATING (TABLE #2)

	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+60 PSF	+70 PSF
NEGATIVE	-70 PSF	-70 PSF

PLASTPRO, INC. 9 PEACH TREE HILL RD. LAWNSTON, NJ 07039

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR

PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS

REVISIONS: NO. DATE BY

RW CONSULTING (813) 684-3831

DATE: 02/09/99
SCALE: 3/4"=12"
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-05
SHEET 1 of 4

REVISIONS :

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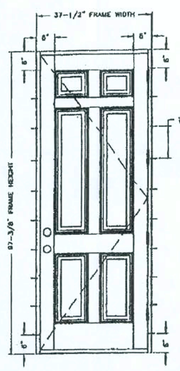
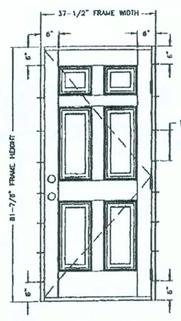
Maronda Homes

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



ANCHOR LAYOUT FOR 8'-0" DOOR



ANCHOR LAYOUT FOR 6'-8" DOOR

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

PLASTPRO, INC. 9 PEACH TREE HILL RD. LAWNSTON, NJ 07039

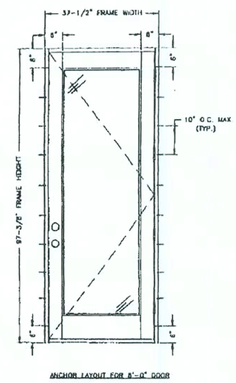
PRODUCT: PATIO DOOR

PART OR ASSEMBLY: ANCHORING LAYOUT

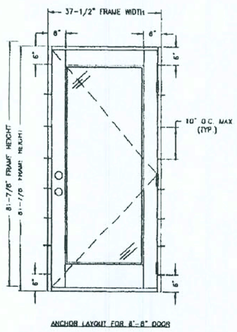
REVISIONS: NO. DATE BY

RW CONSULTING (813) 684-3831

DATE: 02/08/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 9-02
SHEET 2 of 4



ANCHOR LAYOUT FOR 8'-0" DOOR



ANCHOR LAYOUT FOR 6'-8" DOOR

TYPICAL ANCHORS
1.) INTO 2BY WOOD BLOCKS OR WOOD STRUCTURE #8 SMS, 1-1/2" MIN. EMBEDMENT
2.) THRU 1BY WOOD BLOCKS AND INTO MASONRY 3/16" DIA TAPCONS WITH 1-1/4" MIN. EMBEDMENT

PLASTPRO, INC. 9 PEACH TREE HILL RD. LAWNSTON, NJ 07039

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS GLAZED PATIO DOOR

PART OR ASSEMBLY: ANCHORING LAYOUT

REVISIONS: NO. DATE BY

RW CONSULTING (813) 684-3831

DATE: 02/08/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-05
SHEET 3 of 4

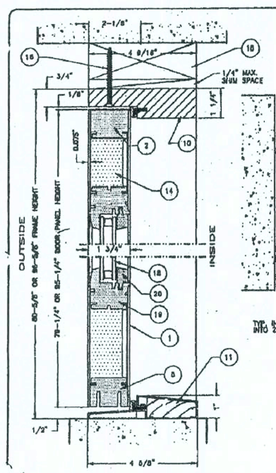
EXT. DOOR DETAILS

OUT SWING-FIBERGLASS

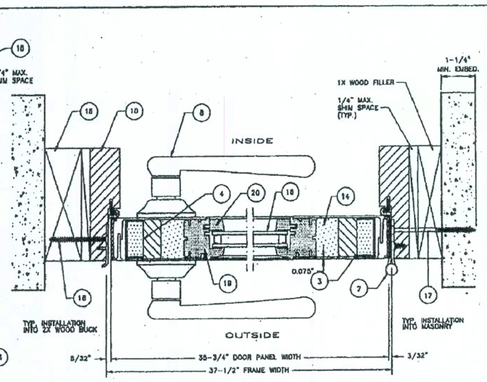
RELEASE DATE:

SHEET:

FD 2



VERTICAL CROSS SECTION



HORIZONTAL CROSS SECTION

PLASTPRO, INC. 9 PEACH TREE HILL RD. LAWNSTON, NJ 07039

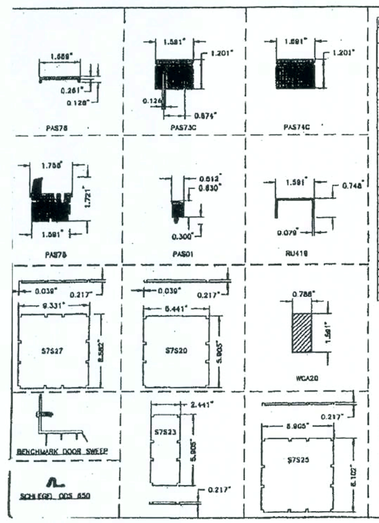
PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS GLAZED PATIO DOOR

PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS

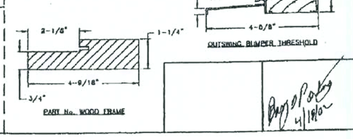
REVISIONS: NO. DATE BY

RW CONSULTING (813) 684-3831

DATE: 02/08/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-05
SHEET 2 of 4



ITEM	DESCRIPTION	PART No.	MATERIAL
1	DOOR SKIN (6 PANEL 6'-8")	----	SMC DPG THR FIBERGLASS
	DOOR SKIN (6 PANEL 8'-0")	----	SMC DPG THR FIBERGLASS
2	TOP RAIL	PAS74C TOP RAIL	PVC FOAM
		S7523 ANCHOR (6'-8")	STEEL
		S7525 ANCHOR (8'-0")	STEEL
		PAS78 DOOR EXTENSION	RIGID PVC
3	HINGE STILE	WOOD (6'-8" ONLY)	WOOD (MAHOGANY)
		WOOD (8'-0" ONLY)	WOOD (MAHOGANY)
		RU 418 (8'-0" ONLY)	STEEL (SS 11)
4	LOCK STILE	PAS78 DOOR EXTENSION	RIGID PVC
		WOOD (6'-8" ONLY)	WOOD (MAHOGANY)
		WOOD (8'-0" ONLY)	WOOD (MAHOGANY)
		RU 418 (8'-0" ONLY)	STEEL (SS 11)
5	BOTTOM RAIL	S7525 ANCHOR (8'-0")	STEEL
		S7527 ANCHOR (6'-8")	STEEL
		PAS73C BOTTOM RAIL	PVC FOAM
6	DOOR BOTTOM (INSWING)	DR 350 (ENDURA)	PVC CO-EXTRUSION
		BENCHMARK ADJ. DOOR SWEEP	PVC CO-EXTRUSION
		DOOR SWEEP	ALUMINUM / PVC
7	BUTT HINGE	4" X 4"	BRASS
8	LATCH LOCK	KWIKSET 200 SERIES	
9	DEAD BOLT	KWIKSET 660 SERIES	
10	DOOR FRAME	1-7/16" X 4-5/16" WOOD FRAME	WOOD
11	THRESHOLD (OUTSWING)	ODS 650 WEATHERSTRIP	SCHLEGEL Q-LON
		OUTSWING BUMPER	ALUMINUM / WOOD
		ODS 650 WEATHERSTRIP	SCHLEGEL Q-LON
14	FOAM CORE		POLYURETHANE FOAM CORE
15	2X		WOOD BLOCK
16	ANCHOR	#8 X 2-1/2" PAN SMS	STEEL
17	ANCHOR	3/16" X ---- FH TAPCON	STEEL
18	5/8" INSULATED GLASS, CONSISTING OF: (2) LITES OF 1/8"		TEMP. GLASS + AIR SPACE
19	INTERNAL FRAME	PAS73	PVC FOAM
20	GLAZING BEAD	PAS01	PVC FOAM



PLASTPRO, INC. 9 PEACH TREE HILL RD. LAWNSTON, NJ 07039

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS GLAZED PATIO DOOR

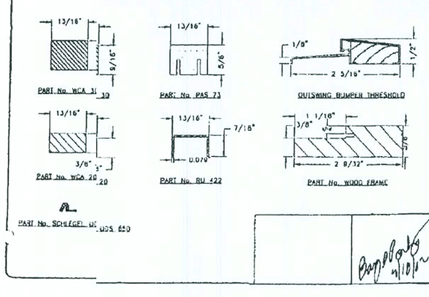
PART OR ASSEMBLY: PARTS LIST

REVISIONS: NO. DATE BY

RW CONSULTING (813) 684-3831

DATE: 02/08/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-05
SHEET 4 of 4

ITEM	DESCRIPTION	PART No.	MATERIAL
1	DOOR SKIN		SMC DPG THR FIBERGLASS
	DOOR SKIN (6 PANEL 8'-0")		SMC DPG THR FIBERGLASS
2	TOP RAIL	WCA 32	WOOD (MAHOGANY)
	TOP RAIL (6'-8")	WCA 30	WOOD (MAHOGANY)
3	HINGE STILE	WCA 30	WOOD (MAHOGANY)
		RU 422	STEEL (SS 11)
4	LOCK STILE	WCA 30 (TWO PCS)	WOOD (MAHOGANY)
		RU 422	STEEL (SS 11)
5	BOTTOM RAIL	WCA 30 (TWO PCS)	WOOD (MAHOGANY)
		PAS 73	CINE PVC EXTRUSION
7	BUTT HINGE	WAS 01	PVC
8	LATCH LOCK	4" X 4"	BRASS
9	DEAD BOLT	KWIKSET 200 SERIES	
10	DOOR FRAME	KWIKSET 660 SERIES	
		1-7/16" X 4-5/16" WOOD FRAME	WOOD
11	THRESHOLD (OUTSWING)	ODS 650 WEATHERSTRIP	SCHLEGEL Q-LON
		OUTSWING BUMPER	ALUMINUM / WOOD
		ODS 650 WEATHERSTRIP	SCHLEGEL Q-LON
14	FOAM CORE		POLYURETHANE FOAM CORE
15	2X		WOOD BLOCK
16	ANCHOR	#8 X 2-1/2" PAN SMS	STEEL
17	ANCHOR	3/16" X ---- FH TAPCON	STEEL



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SHEET 4 of 4

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