KC

(BBRM42B) BAYBURY-M

FLORIDA DESIGN CRITERIA
REVISED 05-12-09

BUILDING DATA

FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2009 SUPPLIMENT
FLORIDA BUILDING CODE 2007 : PLUMBING WITH 2009 SUPPLIMENT
FLORIDA BUILDING CODE 2007 : MECHANICAL WITH 2009 SUPPLIMENT
FLORIDA BUILDING CODE 2007 : FUEL GAS WITH 2009 SUPPLIMENT

NATIONAL ELECTRICAL CODE 2005

STRUCTURAL DESIGN PARAMETERS: ASCE 7-05 (PER FRC 2007 : SECTION R301.2.1.1)

CLASSIFICATION : 2

OCCUPANCY: RESIDENTIAL

BUILDING DESIGN: ENCLOSED

EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 0.18

IMPORTANCE FACTOR: 1.0

DESIGNED WIND SPEED:
125 MPH - 3 SEC. GUST
(FRC 2007: R301.2.1.3)

HEIGHT LIMITS:
NUMBER STORIES: TWO STORY
BUILDING MEAN HEIGHT: 25 FEET, MAX.

WOOD FRAMING INSPECTION
ALL PLUMBING, ELECTRICAL AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION.
(FRC 2007, 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 2007, 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 2007, 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 2007, 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 2007, SECTION R301.2.1.2)

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

INDEX OF DRAWINGS

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

FLOOR TRUSSES

REVISIONS :

03-01-09 REV. CODE INFORMATION

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE FLORIDA BUILDING CODE 2007 ; RESIDENTIAL WITH 2009 SUPPLEMENTAL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.
EXPOSURE B, ENCLOSED BUILDING, H=10
DESIGN'D WIND SPEED: 125mph - 3 sec. GUST

9TM03101, JAX
Lot 31-1, 9TM

D:\Y:\houses_05\baybury\arch_right\bbr-m-1.DDD

AMERICANA — COVER SHEET
BAYBURY
ELEVATION-M
GARAGE: RIGHT
DRAWN BY: 10/21/05
RELEASE DATE: 04-04-06

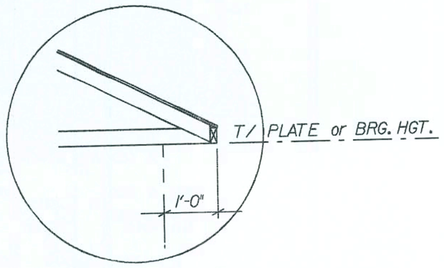
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

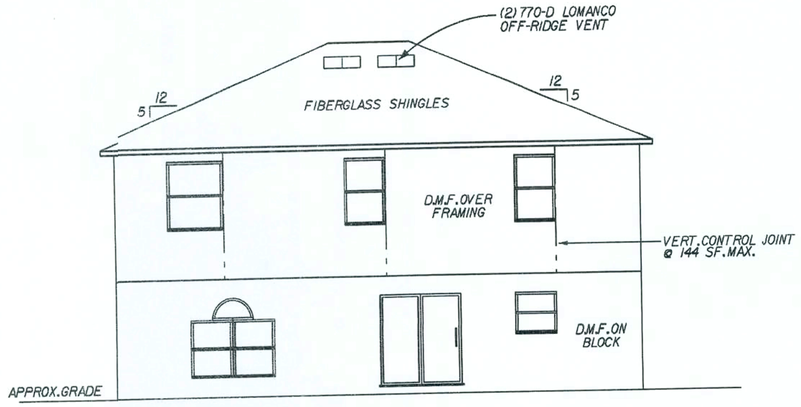
Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET: 0m

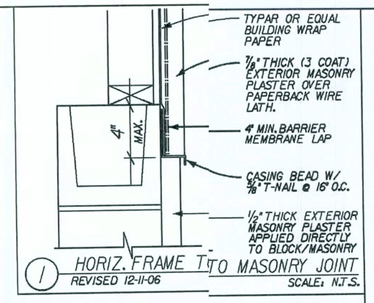
PLOT DATE: 22 MAY 2009

FLORIDA BUILDING CODE 2007 : RESIDENTIAL





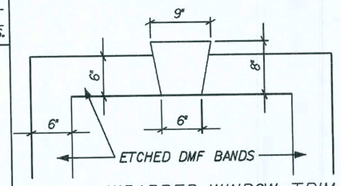
D REAR ELEVATION
1/8" = 1'-0"



1 HORIZ. FRAME TO MASONRY JOINT
REVISED 12-11-06 SCALE: N.T.S.

GENERAL ELEVATION NOTES:

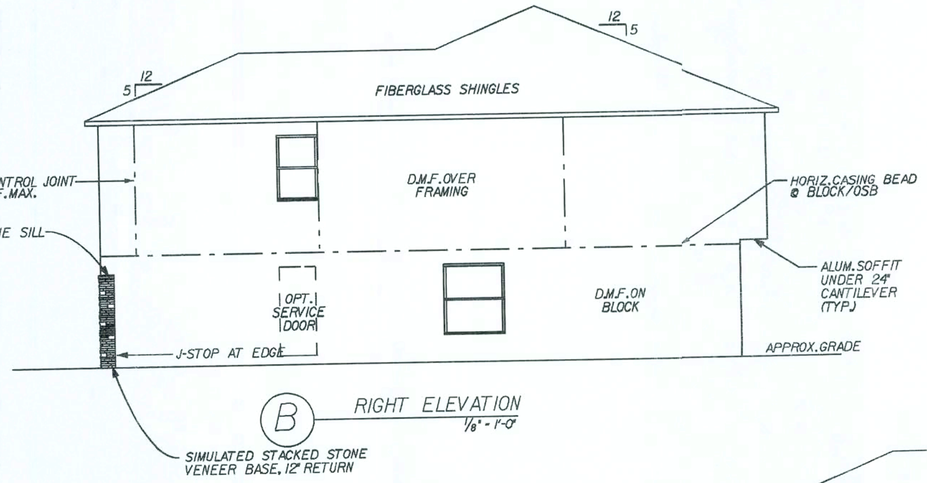
1. DMF - DECO MASONRY/STUCCO FINISH SHALL COMPLY WITH THE REQUIREMENTS OF ATSM C926 AND C1063.
2. EAVE & GABLE OVERHANGS 12" ALUM FASCIA AND SOFFITS. PLUMB CUT WITH LEVEL RETURNS.
3. 7/8" MIN. THICKNESS DMF OVER LATH/FRAME AND 1/2" MIN. THICKNESS OVER BLOCK
4. DMF/STUCCO INSTALLED OVER PAPER-BACKED LATH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



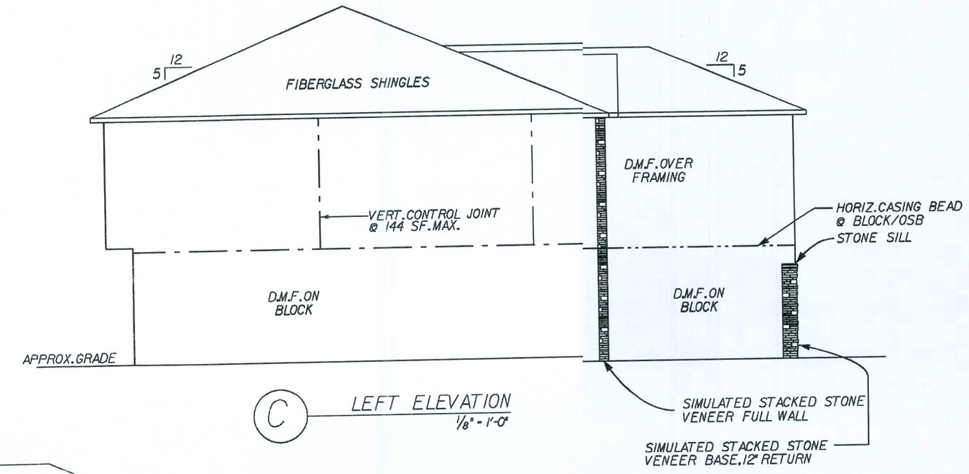
WRAPPED WINDOW TRIM
SCALE: 3/4" = 1'-0"

REVISED 01-05-06

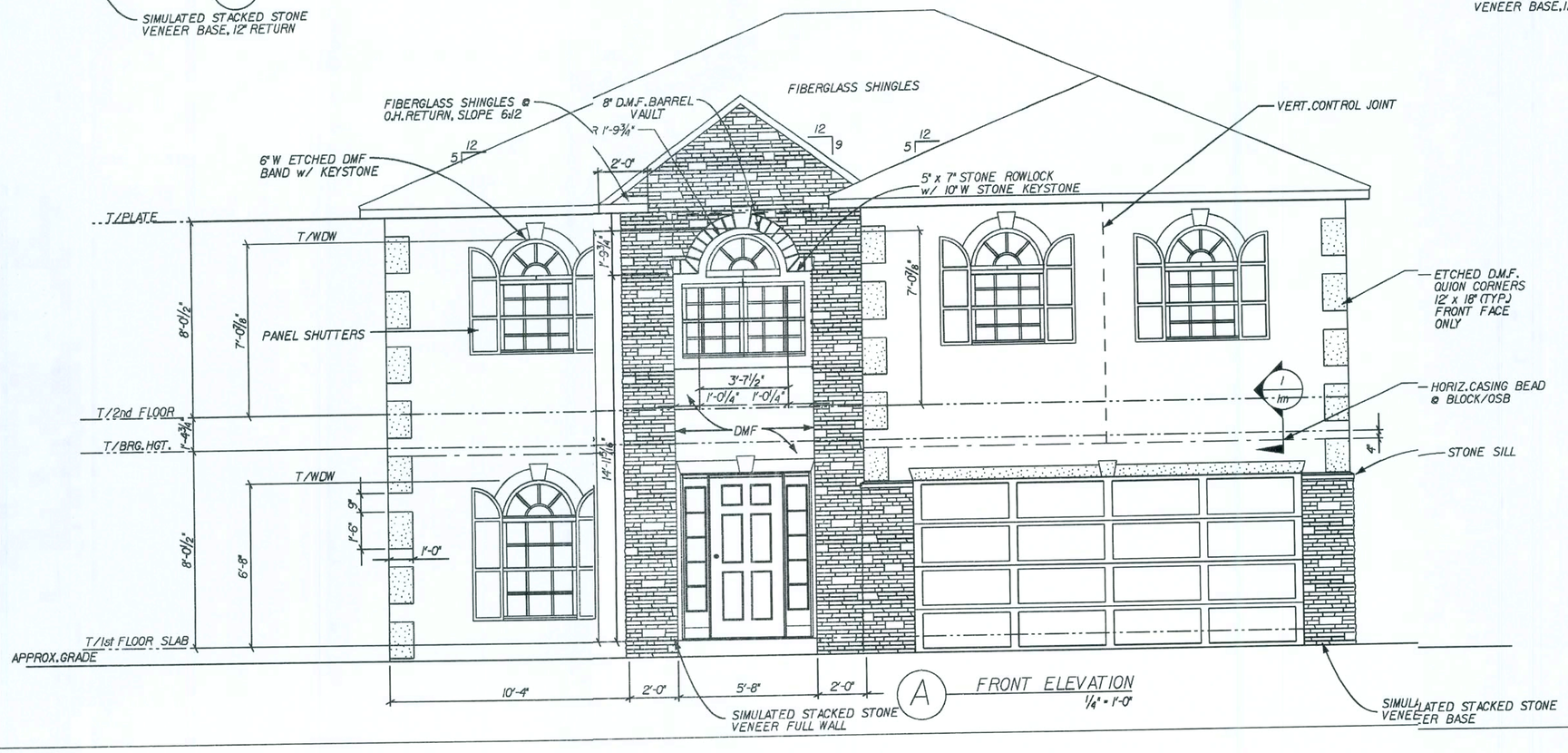
REVISIONS :



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



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



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

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 2007 : RESIDENTIAL WITH 2009 SUPPLIMENT

03-01-09 REV. CODE INFORMATION

AMERICANA ELEVATIONS

BAYBURY

ELEVATION-"M"

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 04-04-06

10/21/07

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

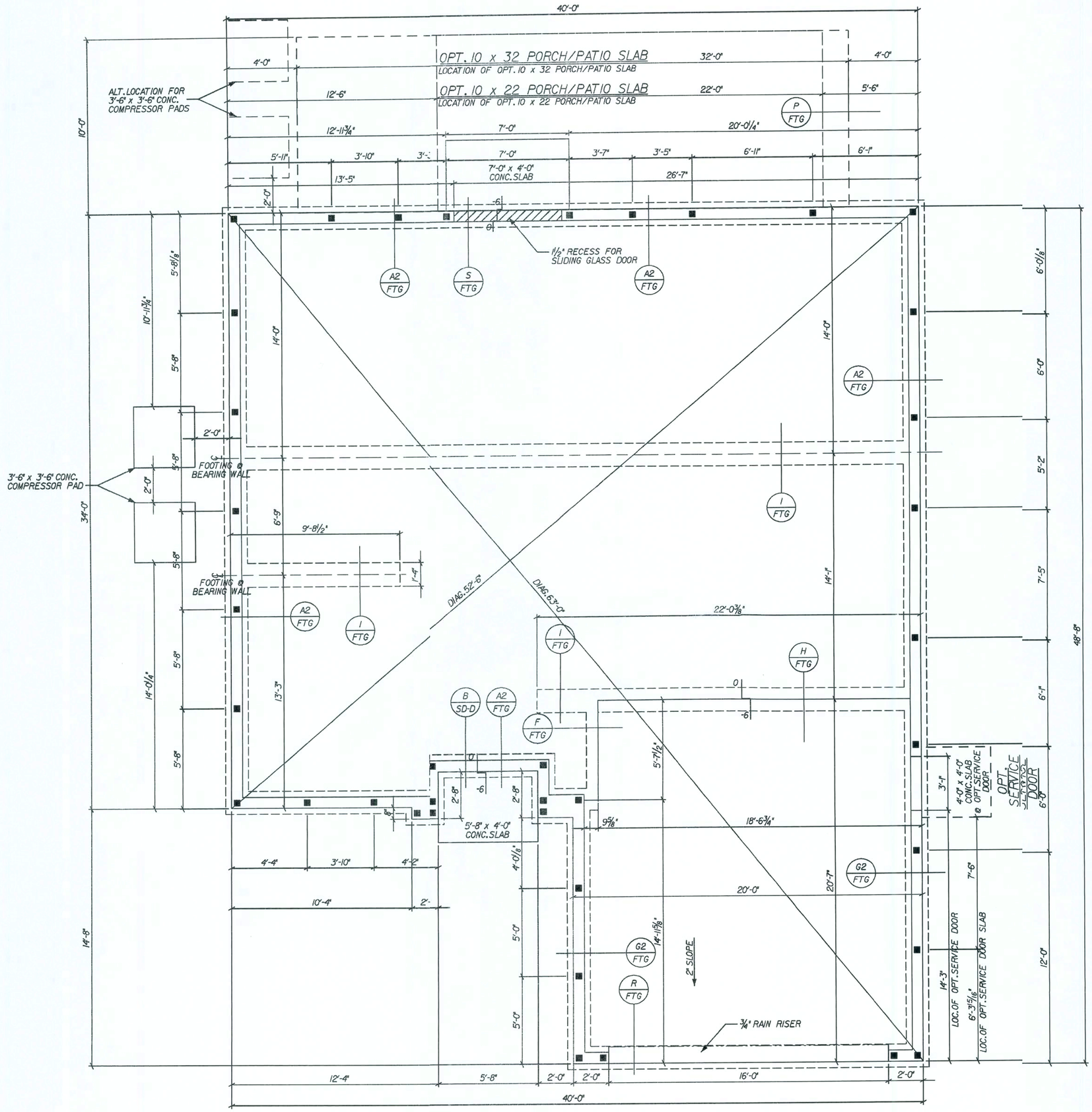
Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:
1m

PLOT DATE: 22 MAY 2009

p:\f:\houses_05\baybury\std_rlgft\bbr-m-r.001

FLORIDA BUILDING CODE 2007 : 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 * FP1 FOR UNDERGROUND PLUMBING AND MECH. CHASES FOR LOCATIONS

REVISIONS:
05-22-09 REV. FOOTING TO STEM WALL
03-01-09 REV. CODE INFORMATION

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

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DESIGN'D WIND SPEED: 120mph - 3 sec. GUST

AMERICANA | FOUNDATION PLAN

BAYBURY

ELEVATION "M"

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 10.21.08

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

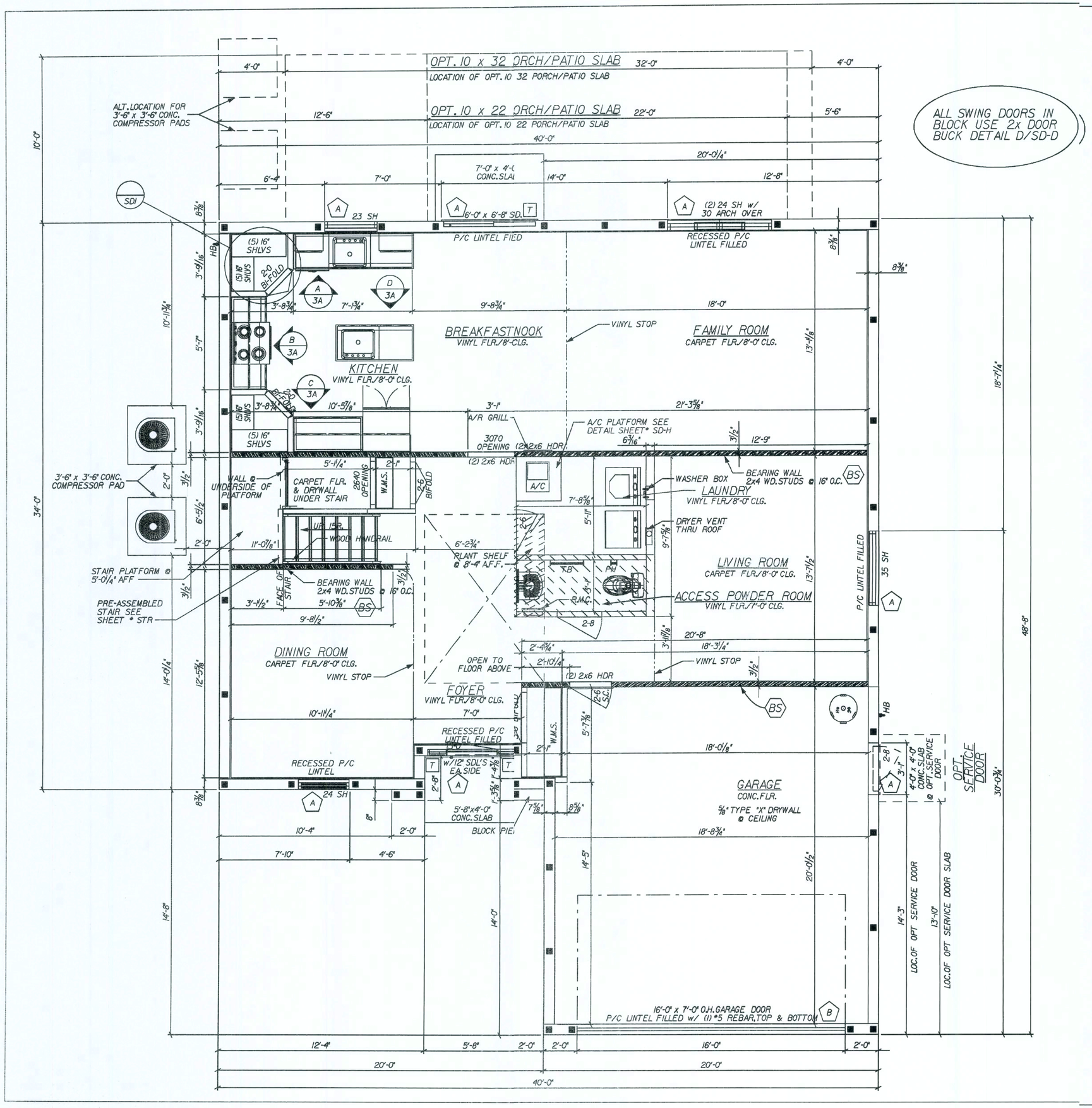
Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET: 2m

PLOT DATE: 22 MAY 2009

p:\Houses_05\baybury\arch_right\bbr-m-1.DWG

FLORIDA BUILDING CODE 2007 : RESIDENTIAL



GENERAL FIRST FLOOR NOTES:

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

EXTERIOR WALLS TO BE 7 5/8" CONCRETE BLOCK w/ P.T. FURRING STRIPS IN A/C AREA. TOTAL WIDTH = 8 3/8"

EXTERIOR OPENING DIMENSIONS ARE TO FACE OF MASONRY OPENING.

INTERIOR LOAD BEARING WALLS TO BE 2x4 WOOD FRAME WALLS w/ STUDS @ 16" O.C.

INTERIOR NON-LOAD BEARING WALLS TO BE NOMINAL 3 5/8" MTL STUD or 2x4 WD. STUD

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/ 3/8" 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 SLIDING GLASS DOORS.
- ALL FIXED GLASS LITES OVER 30 SQ. FT.
- ALL LITES WITHIN 18" OF THE FLOOR AND INDIVIDUAL PANE GREATER THAN 9 SQ. FT.
- ALL SHOWER ENCLOSURES.

PROVIDE 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 * WLI FOR WINDOW AND LINTEL SCHEDULES AND DETAILS

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 SYP SEE PLAN FOR SIZE

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

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

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

SQUARE FOOTAGE:

1st FLOOR LIVING	1232 SQ. FT.
2nd FLOOR LIVING	1595 SQ. FT.
TOTAL LIVING	2827 SQ. FT.
GARAGE AREA	410 SQ. FT.
COVERED ENTRY	15 SQ. FT.
TOTAL AREA	3252 SQ. FT.

OPENING PRESSURES:

	A	B	C	D	E
125mph	+28.1 / -30.5	+23.7 / -26.4	+28.1 / -37.6	+24.8 / -28.0	+24.2 / -27.1
140mph	+35.3 / -38.2	+29.7 / -33.1	+35.3 / -47.2	+31.0 / -35.1	+31.0 / -35.1

REVISED 01-06-09

BS — INTERIOR SUPPORT BEARING WALL TO BE 2x4 #2 SYP. WOOD STUDS @ 16" O.C., ATTACH w/ 1/2" x 5 1/4" WEDGE ANCHOR w/ 2" x 2" x 3/16" SQ. WASHER @ 48" O.C.

REVISIONS:
REVISED 04-06-09
03-01-09 REV. CODE INFORMATION

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

FLORIDA THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2008 SUPPLEMENT. ALL ROOFS WILL BE ENGINEERED TO WITHSTAND ALL APPLICABLE LOADS. EXPOSURE B, ENCLOSED BUILDING, H=0

DESIGN'D WIND SPEED: 125mph - 3 sec. GUST.

PATH: houses..D5\bagbury\arch_right\bbr-mr1.003

AMERICANA — FIRST FLOOR PLAN

BAYBURY

ELEVATION "M"

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 04-04-06

10.02.NO

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET: 3m

PLOT DATE: 22 MAY 2009

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

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			3050	35 3/4 X 59 3/4	7		
35	53 7/8 X 63	3,5			4050	47 3/4 X 59 3/4	7		
23	37 3/4 X 38 3/8	2,5							

HALF ROUND MULLED TO UNIT - SERIES (MO)437 - (FO)438 OPENINGS

SIZE	SINGLE M.O.	FAST.		SIZE	SINGLE F.O.	FAST.
(2) 24 w/ 3'-0" CT	74 3/4 X 71 5/8	2,5,7		3030 w/3-0 CT	35 3/4 X -----	7
24 w/ 3'-0" CT	37 3/4 X 71 7/8	2,5,7				

SPECIALTY WINDOWS

SIZE	SINGLE F.O.	FAST.
(2) 30 X 36	60 1/2 X 36	7
30 CT	36 1/2 X 18 1/2	7

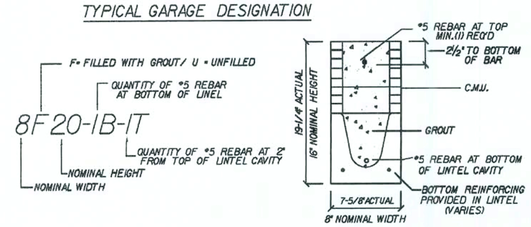
REVISED 04-02-07

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.

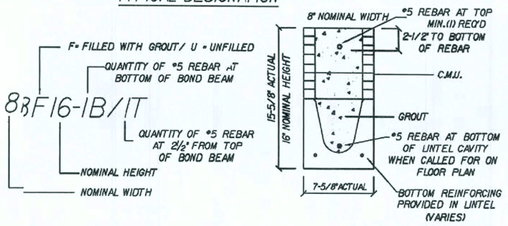
MATERIALS

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 Grade 270 low relaxation.
7. Tie wire per ASTM A510.
8. Mortar per ASTM C270 type M or S.

TYPICAL GARAGE DESIGNATION



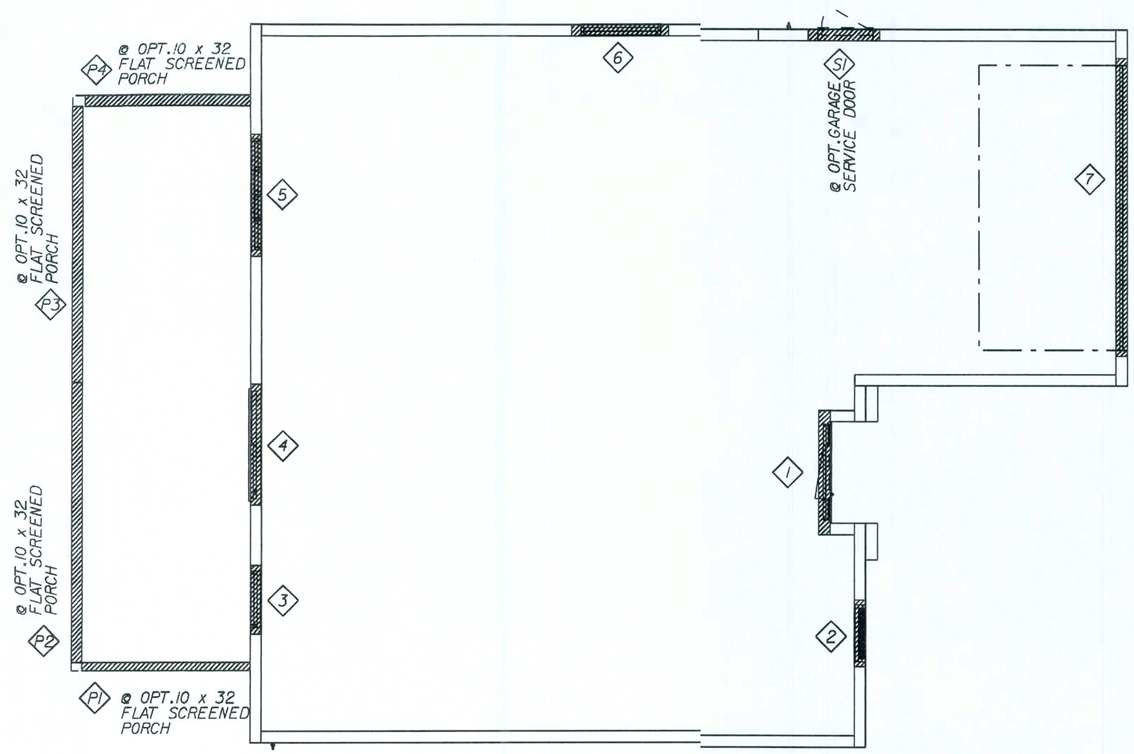
TYPICAL DESIGNATION



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	7'-0"	8RF14-0B/IT	753	54	2459	1462	RECESSED
2	4'-6"	8RU14-0B/IT	753	54	1494	2525	RECESSED
3	4'-6"	8U16-0B/IT	854	54	2992	2525	-
4	7'-6"	8F16-0B/IT	831	54	2632	1634	-
5	7'-6"	8RF14-0B/IT	995	54	2459	1462	RECESSED
6	6'-2"	8F16-0B/IT	903	281	1631	2093	-
7	17'-4"	8F20-1B/IT	1067	31	1326	520	GARAGE DOOR
S1	4'-6"	8U16-0B/IT	358	176	1599	2724	@ OPT. GARAGE SERVICE DR.
P1	10'-6"	8F8-0B/IT	534	530	535	530	@ OPT. PORCH
P2	15'-4"	8F8-0B/IT	108	263	412	224	@ OPT. PORCH
P3	15'-4"	8F8-0B/IT	108	263	412	224	@ OPT. PORCH
P4	10'-6"	8F8-0B/IT	534	530	535	530	@ OPT. PORCH



REVISIONS :

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

FLORIDA
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EXPOSURE B, ENCLOSED BUILDING.
DESIGN'D WIND SPEED: 125mph - 3 sec. GUST

03-01-09 REV. CODE INFORMATION

AMERICANA | WINDOW/LINTEL

BAYBURY

ELEVATION "M"

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 04-04-06

10:21 AM

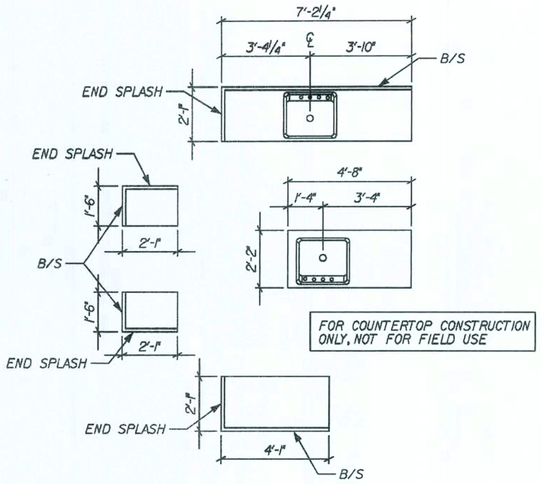
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

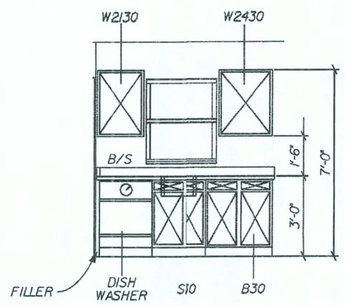
SHEET:
WLIm

PLOT DATE: 22 MAY 2009

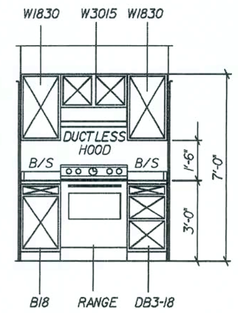
FLORIDA BUILDING CODE 2007 : RESIDENTIAL



KITCHEN COUNTER TOPS



KIT. ELEV. "A"



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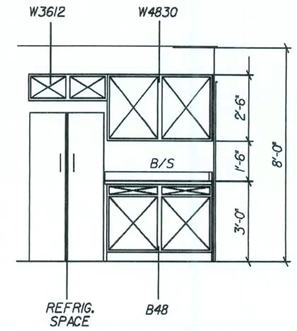
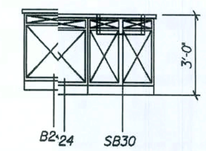


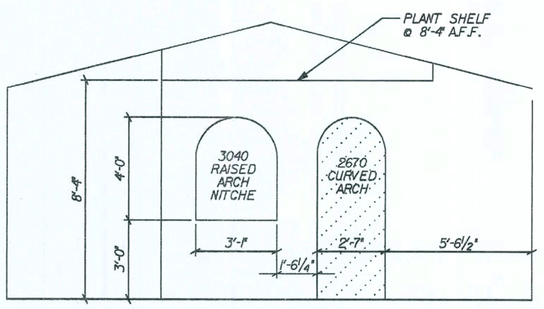
KIT. ELEV. "C"

ON REAR FACE OF ISLAND CABINETS INSTALL 1/4" VENEER PANEL OVER 1/4" PLYWOOD BACKER w/ (2) OUTSIDE CORNER PEICES.

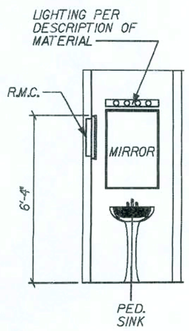
ISLAND > 48" ADD (1) BATTON MOLDING AT PANEL JOINT



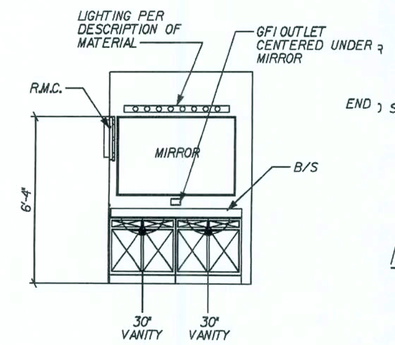
KIT. ELEV. "D"



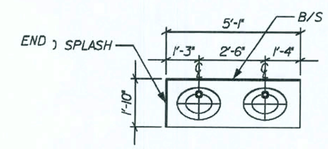
(E) MASTER BEDROOM ELEVATION



ELEV. ACCESS POWDER ROOM

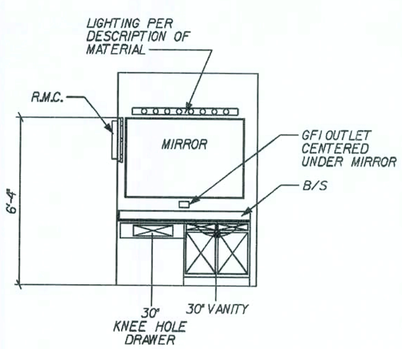


ELEV. MASTER BATH

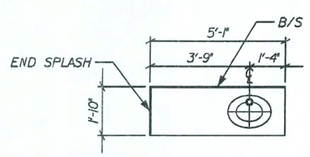


MASTER BATH LAV. TOP

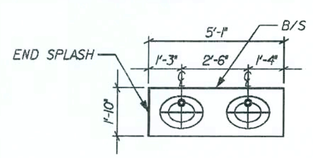
OPT. 2ND BOWL LAV.



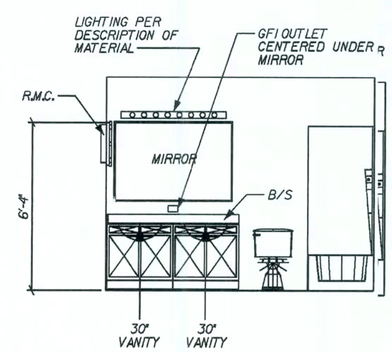
ELEV. MASTER BATH



MASTER BATH LAV. TOP



HALL BATH LAV. TOP



ELEV. HALL BATH

REVISIONS :

03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

AMERICANA

INT. ELEVATIONS

BAYBURY

GARAGE: RIGHT

DRAWN BY:

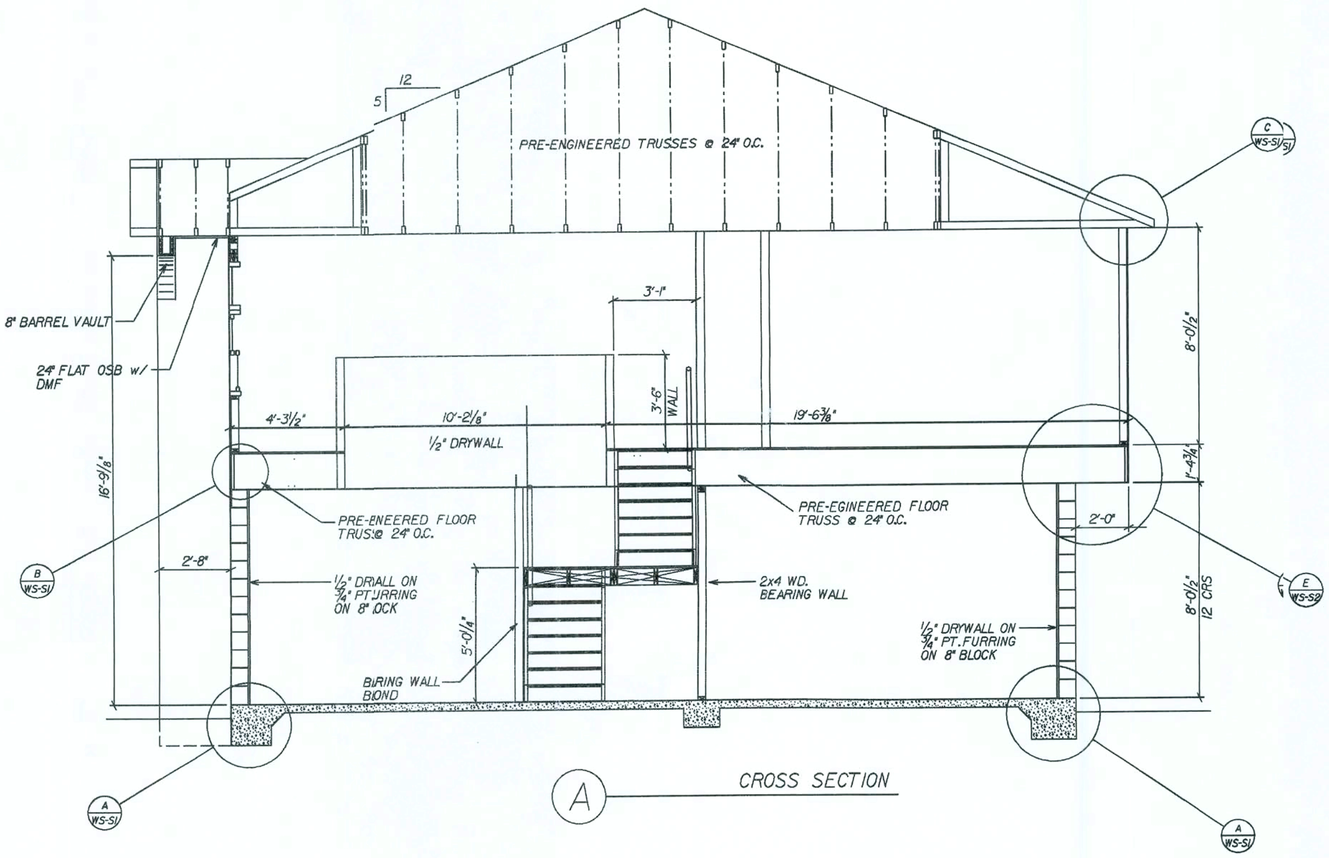
RELEASE DATE: 10-10-03

10/2/12

PLOT DATE: 22 MAY 2009

SHEET: 3A

FLORIDA BUILDING CODE 2007 : RESIDENTIAL



A CROSS SECTION

REVISIONS :

03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

AMERICANA

SECTION

BAYBURY

ELEVATIONS-A,B,G,H,L,M,N,O,R,S

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 03-22-05

10:2412

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

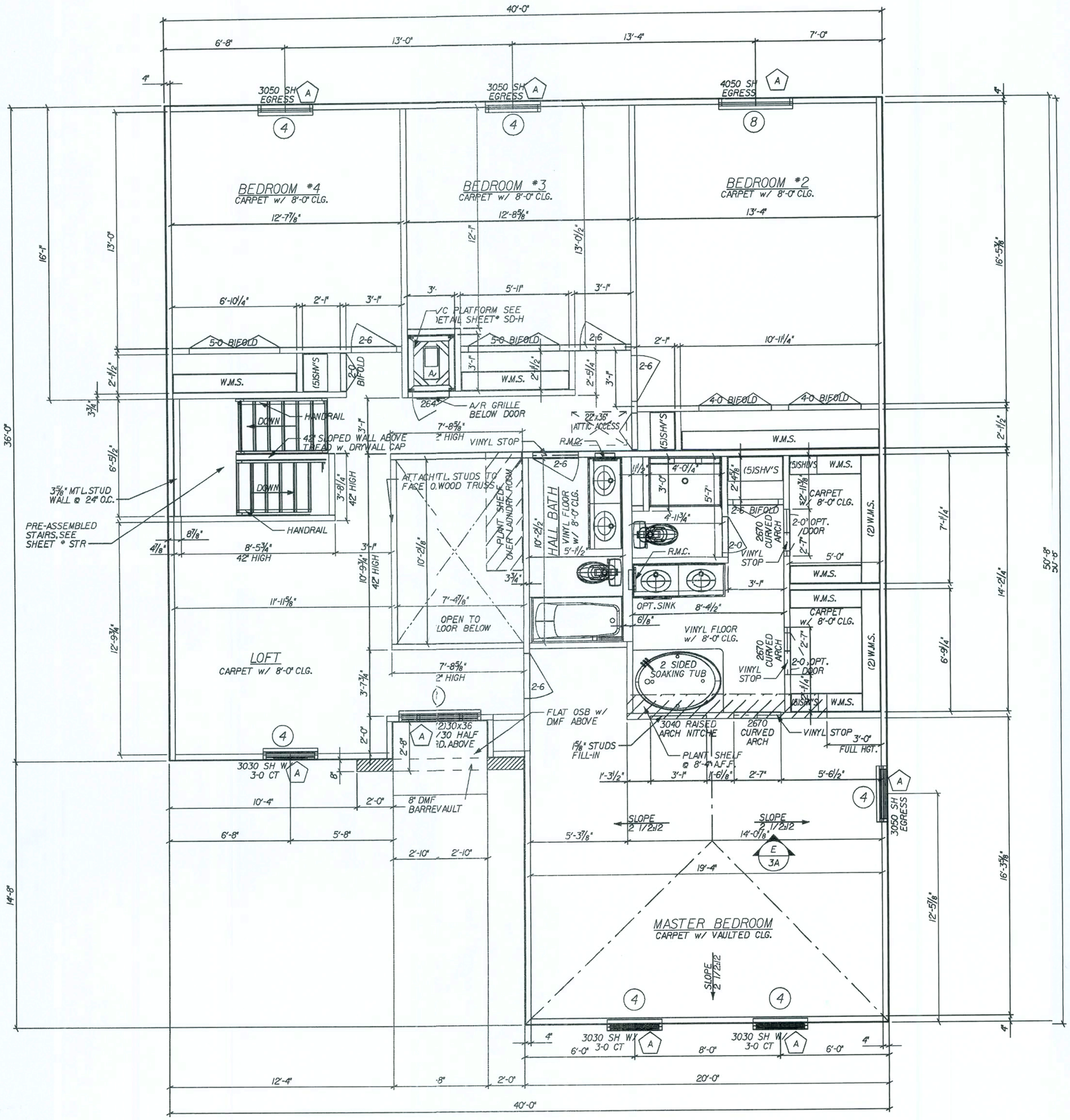
SHEET:

CSU

PLOT DATE: 22 MAY 2009

P:\Houses_05\baybury\std_right\bbr-abghmrs-t.csu

FLORIDA BUILDING CODE 2007 : RESIDENTIAL



GENERAL SECOND FLOOR NOTES:

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

EXTERIOR WALLS TO BE 4" THICK, CONSISTING OF 2x4 #2 S.Y.P. STUDS w/ 7/16" OSB SHEATHING, TYPICAL, U.N.O.

EXTERIOR OPENING DIMENSIONS ARE TO FACE OF ROUGH OPENING

INTERIOR NON-LOAD BEARING WALLS TO BE NOMINAL 3 5/8" MT'L STUD or 2x4 WD. STUD

PROVIDE SAFETY GLAZING AT: T - TEMPERED
- ALL WINDOWS OVER BATH TUBS.
- ALL WINDOWS WITHIN 24" OF A DOOR SWING.
- ALL SLIDING GLASS DOORS.
- ALL FIXED GLASS LITES OVER 30 SQ.FT.
- ALL LITES WITHIN 18" OF THE FLOOR AND IF LARGER THAN 9 SQ.FT.
- ALL SHOWER ENCLOSURES.

PROVIDE AFCIs (arc-fault circuit Interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210-12

ALL BEDROOM WINDOWS ARE CONSIDERED EGRESS UNLESS OTHERWISE NOTED

SEE SHEET * WL FOR WINDOW AND LINTEL SCHEDULES AND DETAILS

OPENING PRESSURES:

	A	B	C	D	E
125mph	+28.1 / -30.5	+23.7 / -26.4	+28.1 / -37.6	+24.8 / -28.0	+24.2 / -27.1
140mph	+35.3 / -38.2	+29.7 / -33.1	+35.3 / -47.2	+31.0 / -35.1	+31.0 / -35.1

TSH WINDOW HEADERS

4	3 1/2" x 4 7/8" TSH
8	3 1/2" x 8 5/8" TSH

ALL OPERABLE WINDOWS THAT ARE LOCATED MORE THAN 72" ABOVE FINISHED GRADE, THE LOWEST PART OF CLEAR OPENING OF WINDOW SHALL BE A MIN. OF 24" A.F.F. OF ROOM.

REVISIONS :

03-01-09 REV. CODE INFORMATION

REVISED 01-06-09

REVISED 05-23-07

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE PRESCRIPTIVE SECTION R301 OF THE FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS. EXPOSURE B, ENCLOSED BUILDING, HD

DESIGN'D WIND SPEED: 125mph - 3 sec. GUST

p:\f:\houses_05\baybury\arch_1rgt\bbr-mr-004

AMERICANA | SECOND FLOOR PLAN

BAYBURY

ELEVATIONS "M"

DRAWN BY: 22 MAY 2009 | GARAGE: RIGHT

RELEASE DATE: 04-04-06

10:21:46

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:
4

PLOT DATE: 22 MAY 2009

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

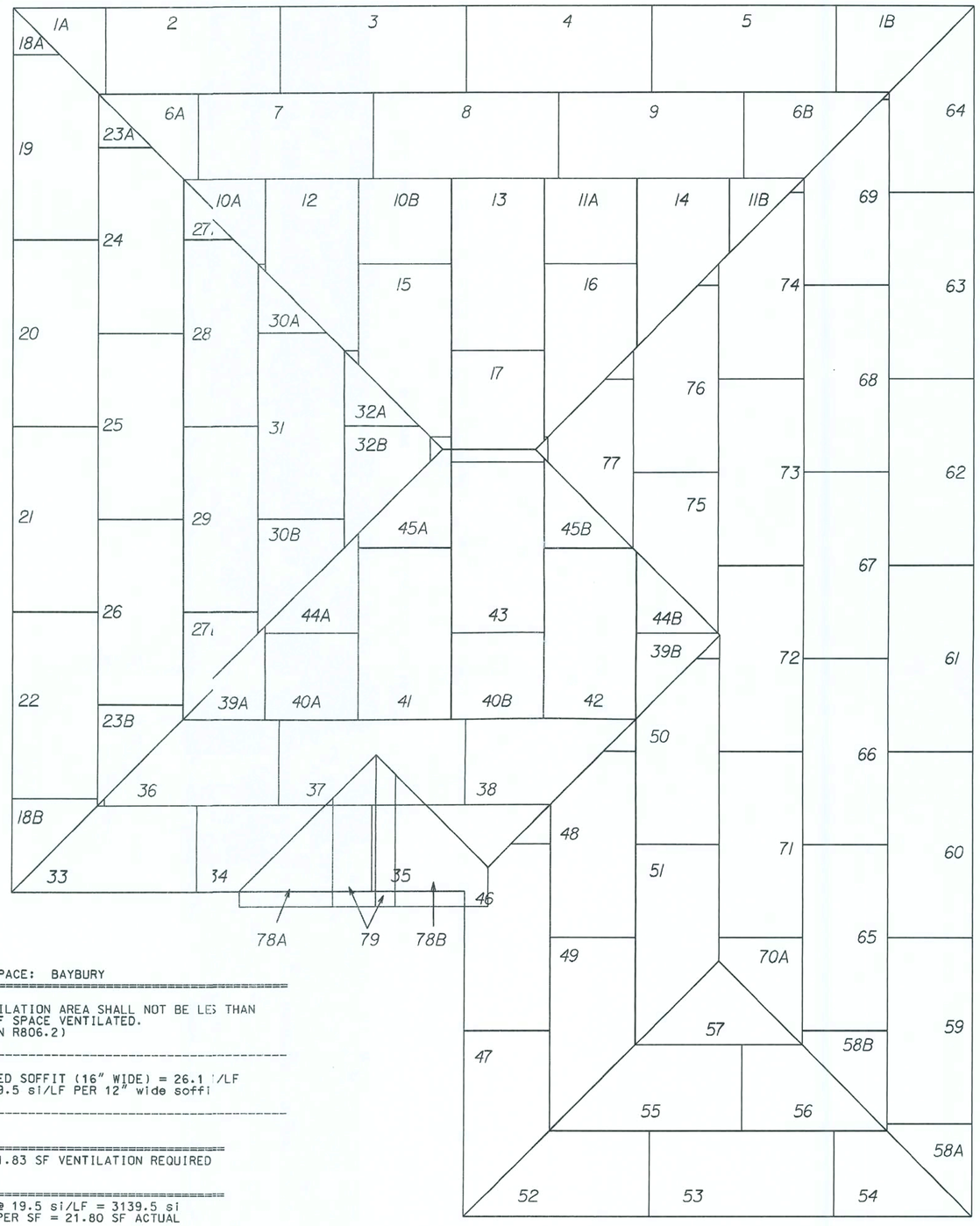
GENERAL ROOF NOTES:

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.

REVISED 05-07-07

TOTAL ROOF SHEATHING:

79 SHEETS



VENTILATION OF ATTIC SPACE: BAYBURY

REQUIREMENTS:
TOTAL NET FREE VENTILATION AREA SHALL NOT BE LES THAN 1/150 OF THE AREA OF SPACE VENTILATED.
(FBCR 2007, SECTION R806.2)

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

CALCULATIONS:
MAIN ROOF
1774 SF / 150 = 11.83 SF VENTILATION REQUIRED

SOFFIT:
161 LF SOFFIT VENT @ 19.5 si/LF = 3139.5 si
3139.5 si / 144 si PER SF = 21.80 SF ACTUAL

NOTE:
SOFFIT ALONE SATISFIES FBCR 2007. OFF-RIDGE VENTS SHOWN ON THE ELEVATION SHEET ARE TO BE INSTALLED AND ACTS INCREASED VENTILATION ABOVE AND BEYOND THE CODE REQUIREMENTS.

REVISIONS :

03-01-09 REV. CODE INFORMATION

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

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIRE. MENTS OF THE FLORIDA BUILDING CODE 2007 ; RESIDENTIAL WITH 2009 SUPPLIMENT

AMERICANA RF. LAYOUT

BAYBURY

ELEVATIONS "A", "G" & "M"

GARAGE: RIGHT

DRAWN BY:

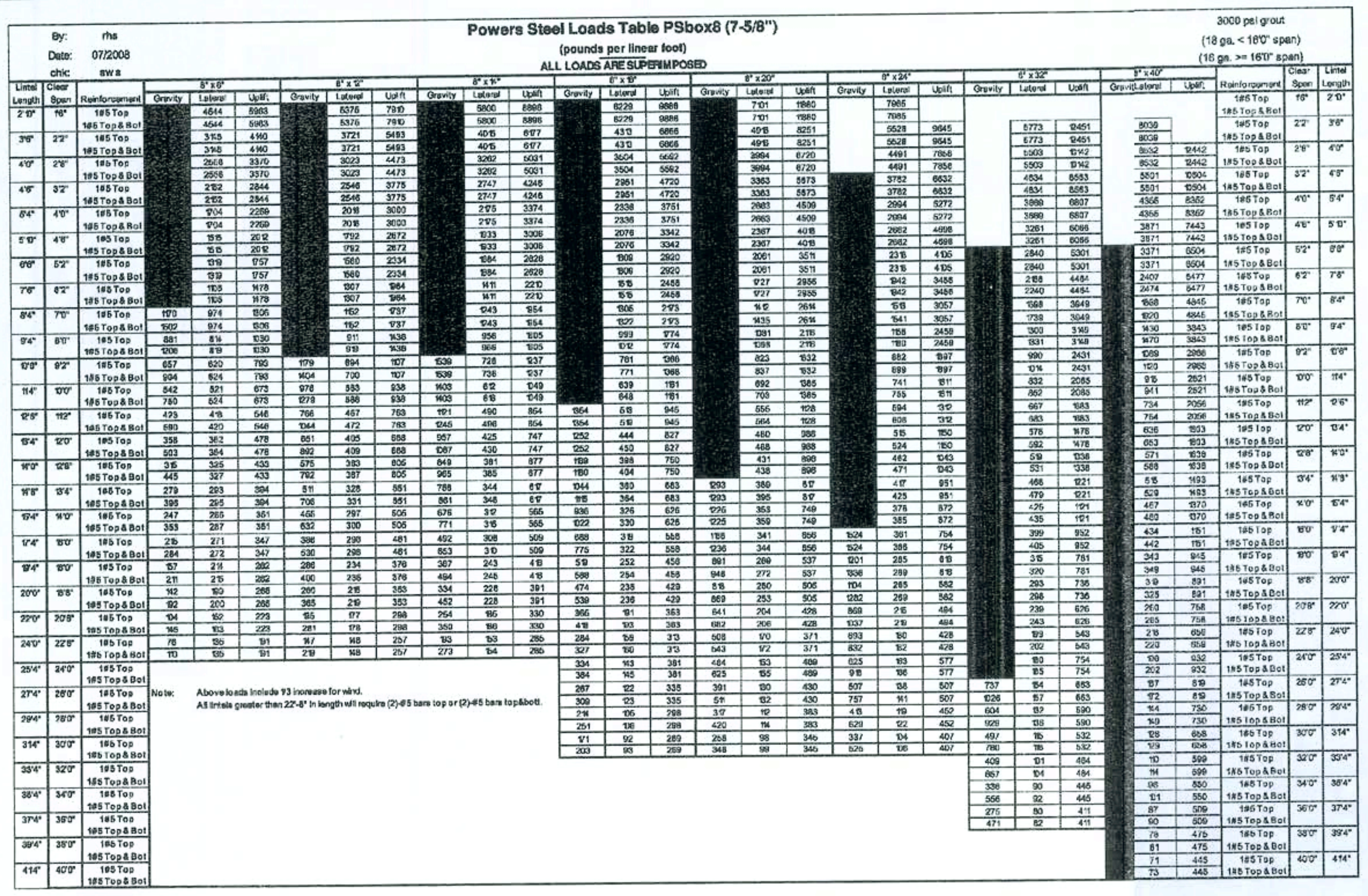
RELEASE DATE: 10/21/07

PLOT DATE: 22 MAY 2009

pw:\houses_05\baybury\std_r1gh\obr-rg-r.s1

SHEET: RS1

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

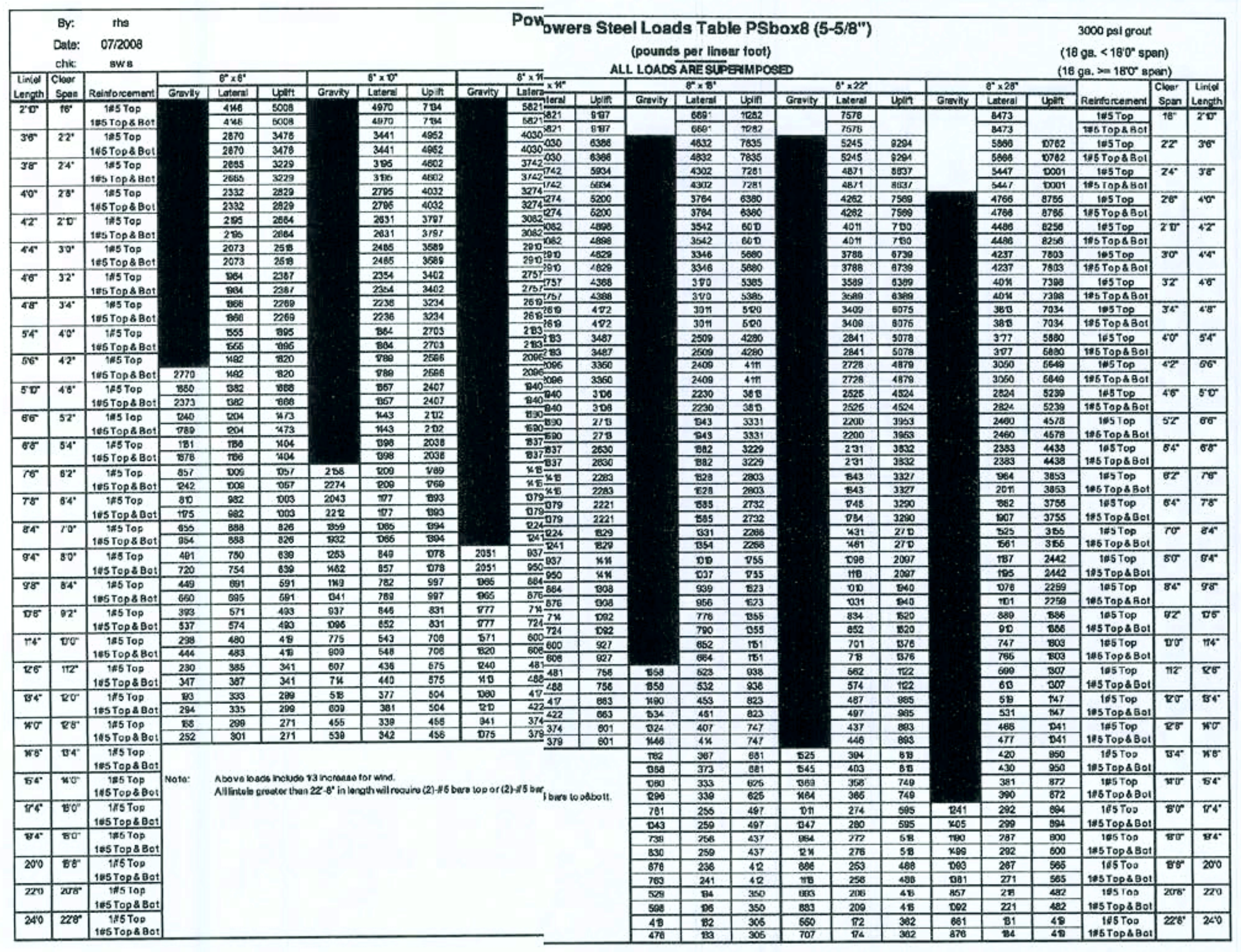

By: rhs
Date: 07/2008
chk: sws

Powers Steel Loads Table PSbox8 (7-5/8")

(pounds per linear foot)
ALL LOADS ARE SUPERIMPOSED

3000 psi grout
(18 ga. < 18'0" span)
(16 ga. >= 18'0" span)

Note: Above loads include 1/3 increase for wind.
All lintels greater than 22'-8" in length will require (2) #5 bars top or (2) #5 bars top & bott.


By: rhs
Date: 07/2008
chk: sws

Powers Steel Loads Table PSbox8 (5-5/8")

(pounds per linear foot)
ALL LOADS ARE SUPERIMPOSED

3000 psi grout
(18 ga. < 18'0" span)
(16 ga. >= 18'0" span)

Note: Above loads include 1/3 increase for wind.
All lintels greater than 22'-8" in length will require (2) #5 bars top or (2) #5 bars top & bott.

NOTES:

1. PRODUCT NAME (PATENT NO. 6367209)

PREFORMED POWERS STEEL LINTEL SHALL BE GALVANIZED (G60 MINIMUM) COIL STEEL AS MANUFACTURED BY POWERS STEEL AND WIRE PRODUCTS, INC. STEEL GRADE SHALL BE ASTM A570 GRADE C (FY = 40 ksi).

NOTE: DEFORMATIONS DO NOT EFFECT STRUCTURAL CAPACITY. FOR SPANS LESS THAN 16'-0" BOX LINTELS TO BE 18 GA. FOR SPANS GREATER THAN AND EQUAL TO 16'-0" BOX LINTELS TO BE 16 GA.

2. SHORE LINTELS AS REQUIRED TO COMPENSATE FOR DEAD LOAD DEFLECTION ON NON-CURED MASONRY GROUT. ALL LINTELS GREATER THAN 18'-0" ARE BUILT WITH 1/2" CAMBER.

3. LINTEL TO BE USED WITH BRICK OR CONCRETE MASONRY UNITS HAVING MINIMUM f'm AS SHOWN.

4. STEEL SURFACES IN CONTACT WITH GROUT AND/OR MORTAR SHALL BE UNPAINTED AND FREE OF MATERIAL THAT MIGHT INHIBIT BOND.

5. DESIGN BEARING OF POWERS STEEL LINTELS IS 8" FOR ALL LINTELS GREATER THAN 18'-0" IN SPAN OR GREATER THAN 32" IN DEPTH. ALL OTHER LINTELS REQUIRE A MINIMUM OF 4" BEARING PER THE STANDARD AND FLORIDA BUILDING CODES.

6. f'm = 1500 psi. MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N.

7. GROUT = 3,000 psi. SLUMP RANGE: 8" TO 11". ROD OR VIBRATE GROUT ADEQUATELY TO ENSURE CONSOLIDATION OF GROUT (NO AIR POCKETS). GROUT SHALL COMPLY WITH ASTM C476-83 AND BE EITHER COARSE OR FINE GROUT.

8. MORTAR: TYPE "S" OR TYPE "M" 1800 psi.

9. TOP REINFORCING OR TOP OF WALL REINFORCING, IS REQUIRED BY CODES TO PROVIDE A CONTINUOUS TIE AROUND A STRUCTURE AND TO PROVIDE FOR UPLIFT RESISTANCE AT LINTELS.

10. ATTACHMENTS TO TOP OF WALL PER ARCHITECTURAL AND/OR ENGINEERING DRAWINGS.

11. LIMITATIONS:

THE LINTELS SHALL NOT EXCEED THE ALLOWABLE DESIGN LOADS AND SPANS SHOWN IN THIS REPORT.

THE LINTELS SHALL NOT BE USED IN A FIRE RESISTANCE RATED ASSEMBLY UNLESS A TEST REPORT DOCUMENTING FIRE RESISTANCE IS SUBMITTED TO THE BUILDING OFFICIAL.

A PROPER BARRIER IS REQUIRED WHEN USING CORROSIVE LUMBER PRODUCTS IN CONTACT WITH THE STEEL LINTELS. A PROPER BARRIER WOULD BE A POLYETHYLENE BARRIER WITH A 10 MIL THICKNESS OR TO MAINTAIN A MIN. 1/4" SPACING BETWEEN THE CORROSIVE LUMBER AND STEEL LINTEL.

NOT FOR USE IN THE HVHZ IN MIAMI OR BROWARD COUNTIES AT THIS TIME. MIAMI DADE COMPLIANCE IS BEING SOUGHT.

12. ALLOWABLE LOADS SHOWN IN THE TABLES FOR UPLIFT AND LATERAL LOAD CAPACITY INCLUDE A 1/3 INCREASE FOR WIND OR SEISMIC LOADING WITH NO FURTHER INCREASES ALLOWED. IF COMBINED LOADING CONDITIONS ARE APPLIED TO THE LINTELS FOR SIMULTANEOUS LOADING DIRECTIONS, THE ALLOWABLE LOADS SHOWN IN THE TABLES MUST BE ADJUSTED USING A UNITY EQUATION.

13. ALL LOADS SHOWN IN TABLES ARE SUPERIMPOSED LOADS. TABLES ARE DATED 4/2008 AND CLEARLY INDICATE SUPERIMPOSED LOADS.

14. #5 REINFORCING BAR (GRADE 40) IS TO SET APPROX. 1-1/2" FROM TOP OF ALL LINTEL DESIGNS AND IN SOME CASES THE BOTTOM OF LINTEL AS SHOWN ON LOAD TABLES. TOP HORIZONTAL REINFORCEMENT IS TO BE A CONTINUOUS TIE AS NOTED IN NOTE #9. IN THE CASE THAT THE LINTEL IS NOT WITHIN A COMPOSITE BOND BEAM SYSTEM, TOP HORIZONTAL REINFORCEMENT IS TO EXTEND 2'-0" PAST INSIDE OF JAMBS.

15. MANUFACTURER:

POWERS STEEL
4118 E. ELWOOD PHOENIX, AZ 85040
PH# 602-437-1160 FAX# 602-437-5409

16. TECHNICAL DATA AND ENGINEERING POWERS LINTELS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

- FLORIDA BUILDING CODE - 2007
- NASPEC / AISI LIGHT GAGE COLD FORMED STEEL DESIGN - 2001 (W/ 2004 SUPPLEMENT)
- ACI 530-05/ASCE 5-05/TMS 402-05

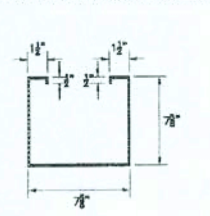
TECHNICAL ASSISTANCE IS AVAILABLE FROM THE MANUFACTURER ON SPECIAL DESIGN CONCERNS OR LINTEL DEPTHS DIFFERENT THAN THOSE SHOWN IN THE LOAD TABLES.

STRUCTURAL ENGINEER FOR THESE LINTELS IS:

S.E. CONSULTANTS, INC.
5800 E. THOMAS RD. SUITE 104
SCOTTSDALE, AZ 85251
PHONE No. (480) 946-2010
FAX (480) 946-1909

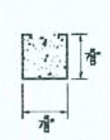
17. IF AN INSPECTOR, CONTRACTOR, SUBCONTRACTOR, OR PLANS EXAMINER HAS ANY TECHNICAL QUESTIONS PLEASE CALL.

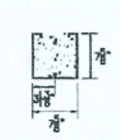
INSTALLATION:
POWERS LINTELS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD CONSTRUCTIONS PRACTICES, SET TO PROPER LINE AND LEVEL, PLUMB AND TRUE, AND IN CORRECT RELATION TO OTHER WORK.

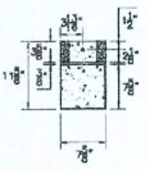


PSbox8 STEEL LINTELS
NOTE: NO SCALE
16 GAGE IS .060 INCHES THICK.
18 GAGE IS .048 INCHES THICK.

NOTES: (second copy of the PSbox8 notes 1–17, with the PSbox8 STEEL LINTELS section and the same NOTE: NO SCALE, 16 GAGE IS .060 INCHES THICK. 18 GAGE IS .048 INCHES THICK.)


PSbox8-8"
#5 TOP


PSbox8-8"
#5 TOP & BOTTOM


PSbox8-12"
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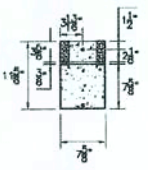
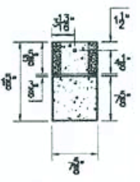
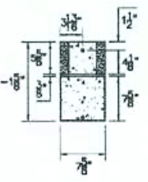

PSbox8-12"
#5 TOP & BOTTOM


PSbox8-14"
#5 TOP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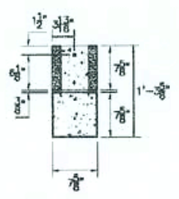
PSbox8-16"
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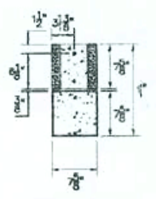
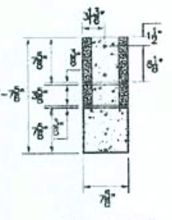
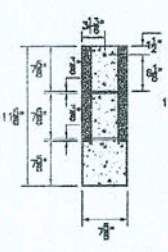

PSbox8-16"
#5 TOP & BOTTOM


PSbox8-20"
#5 TOP


PSbox8-20"
#5 TOP & BOTTOM


PSbox8-24"
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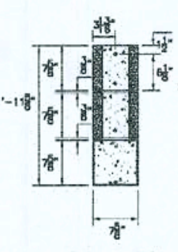
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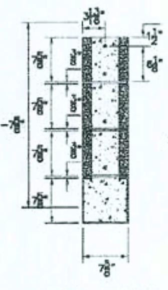
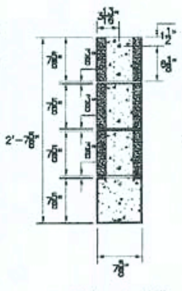
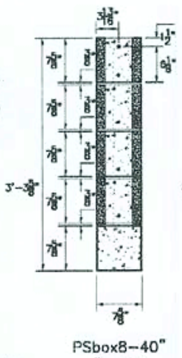
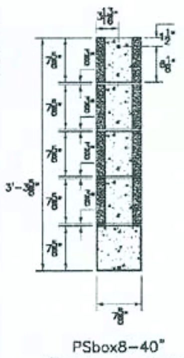

PSbox8-32"
#5 TOP


PSbox8-32"
#5 TOP & BOTTOM


PSbox8-40"
#5 TOP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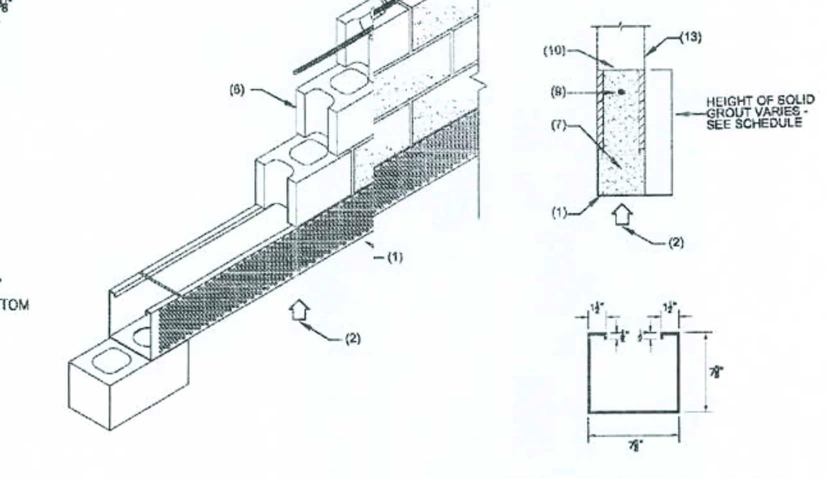
#5 TOP & BOTTOM



TYPICAL POWER BOX LINTEL SECTION

NOTES:

1. PRODUCT NAME (PATENT NO. 6367209);

PREFORMED POWERS STEEL LINTEL SHALL BE GALVANIZED (G60 MINIMUM) COIL STEEL AS MANUFACTURED BY POWERS STEEL AND WIRE PRODUCTS, INC. STEEL GRADE SHALL BE ASTM A570 GRADE C (FY = 40 ksi).

NOTE: DEFORMATIONS DO NOT EFFECT STRUCTURAL CAPACITY. FOR SPANS LESS THAN 18'-0" BOX LINTELS TO BE 18 GA. FOR SPANS GREATER THAN AND EQUAL TO 18'-0" BOX LINTELS TO BE 16 GA.

2. SHORE LINTELS AS REQUIRED TO COMPENSATE FOR DEAD LOAD DEFLECTION ON NON-CURED MASONRY GROUT. ALL LINTELS GREATER THAN 18'-0" ARE BUILT WITH 1/2" CAMBER.

3. LINTEL TO BE USED WITH BRICK OR CONCRETE MASONRY UNITS HAVING MINIMUM f'm AS SHOWN.

4. STEEL SURFACES IN CONTACT WITH GROUT AND/OR MORTAR SHALL BE UNPAINTED AND FREE OF MATERIAL THAT MIGHT INHIBIT BOND.

5. DESIGN BEARING OF POWERS STEEL LINTELS IS 8" FOR ALL LINTELS GREATER THAN 18'-0" IN SPAN OR GREATER THAN 32" IN DEPTH. ALL OTHER LINTELS REQUIRE A MINIMUM OF 4" BEARING PER THE STANDARD AND FLORIDA BUILDING CODES.

6. f'm = 1500 psi. MASONRY UNITS SHALL CONFORM TO ASTM C90, GRADE N.

7. GROUT = 3,000 psi. SLUMP RANGE: 8" TO 11". ROD OR VIBRATE GROUT ADEQUATELY TO ENSURE CONSOLIDATION OF GROUT (NO AIR POCKETS). GROUT SHALL COMPLY WITH ASTM C476-83 AND BE EITHER COARSE OR FINE GROUT.

8. MORTAR: TYPE "S" OR TYPE "M" 1800 psi.

9. TOP REINFORCING OR TOP OF WALL REINFORCING, IS REQUIRED BY CODES TO PROVIDE A CONTINUOUS TIE AROUND A STRUCTURE AND TO PROVIDE FOR UPLIFT RESISTANCE AT LINTELS.

10. ATTACHMENTS TO TOP OF WALL PER ARCHITECTURAL AND/OR ENGINEERING DRAWINGS.

11. LIMITATIONS:

THE LINTELS SHALL NOT EXCEED THE ALLOWABLE DESIGN LOADS AND SPANS SHOWN IN THIS REPORT.

THE LINTELS SHALL NOT BE USED IN A FIRE RESISTANCE RATED ASSEMBLY UNLESS A TEST REPORT DOCUMENTING FIRE RESISTANCE IS SUBMITTED TO THE BUILDING OFFICIAL.

A PROPER BARRIER IS REQUIRED WHEN USING CORROSIVE LUMBER PRODUCTS IN CONTACT WITH THE STEEL LINTELS. A PROPER BARRIER WOULD BE A POLYETHYLENE BARRIER WITH A 10 MIL THICKNESS OR TO MAINTAIN A MIN. 1/4" SPACING BETWEEN THE CORROSIVE LUMBER AND STEEL LINTEL.

NOT FOR USE IN THE HVHZ IN MIAMI OR BROWARD COUNTIES AT THIS TIME. MIAMI DADE COMPLIANCE IS BEING SOUGHT.

12. ALLOWABLE LOADS SHOWN IN THE TABLES FOR UPLIFT AND LATERAL LOAD CAPACITY INCLUDE A 1/3 INCREASE FOR WIND OR SEISMIC LOADING WITH NO FURTHER INCREASES ALLOWED. IF COMBINED LOADING CONDITIONS ARE APPLIED TO THE LINTELS FOR SIMULTANEOUS LOADING DIRECTIONS, THE ALLOWABLE LOADS SHOWN IN THE TABLES MUST BE ADJUSTED USING A UNITY EQUATION.

13. ALL LOADS SHOWN IN TABLES ARE SUPERIMPOSED LOADS. TABLES ARE DATED 4/2008 AND CLEARLY INDICATE SUPERIMPOSED LOADS.

14. #5 REINFORCING BAR (GRADE 40) IS TO SET APPROX. 1 1/2" FROM TOP OF ALL LINTEL DESIGNS AND IN SOME CASES THE BOTTOM OF LINTEL AS SHOWN ON LOAD TABLES. TOP HORIZONTAL REINFORCEMENT IS TO BE A CONTINUOUS TIE AS NOTED IN NOTE #9. IN THE CASE THAT THE LINTEL IS NOT WITHIN A COMPOSITE BOND BEAM SYSTEM, TOP HORIZONTAL REINFORCEMENT IS TO EXTEND 2'-0" PAST INSIDE OF JAMBS.

15. MANUFACTURER:

POWERS STEEL PRODUCTS LINTELS
4118 E. ELWOOD PHOENIX, AZ 85040
PH# 602-437-1160 FAX# 602-437-5409

16. TECHNICAL DATA AND ENGINEERING POWERS LINTELS HAVE BEEN DESIGNED IN ACCORDANCE WITH THE FOLLOWING:

- FLORIDA BUILDING CODE - 2007
- NASPEC / AISI LIGHT GAGE COLD FORMED STEEL DESIGN - 2001 (W/ 2004 SUPPLEMENT)
- ACI 530-05/ASCE 5-05/TMS 402-05

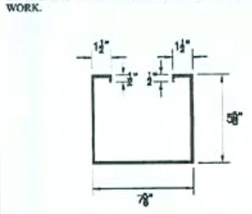
TECHNICAL ASSISTANCE IS AVAILABLE FROM THE MANUFACTURER ON SPECIAL DESIGN CONCERNS OR LINTEL DEPTHS DIFFERENT THAN THOSE SHOWN IN THE LOAD TABLES.

STRUCTURAL ENGINEER FOR THESE LINTELS IS:

S.E. CONSULTANTS, INC.
5800 E. THOMAS RD. SUITE 104
SCOTTSDALE, AZ 85251
PHONE No. (480) 946-2010
FAX (480) 946-1909

IF AN INSPECTOR, CONTRACTOR, SUBCONTRACTOR, OR PLANS EXAMINER HAS ANY TECHNICAL QUESTIONS PLEASE CALL.

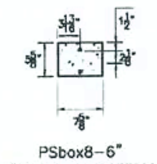
17. INSTALLATION:
POWERS LINTELS ARE TO BE INSTALLED IN ACCORDANCE WITH STANDARD CONSTRUCTIONS PRACTICES, SET TO PROPER LINE AND LEVEL, PLUMB AND TRUE, AND IN CORRECT RELATION TO OTHER WORK.

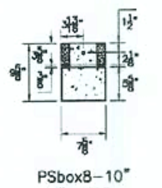


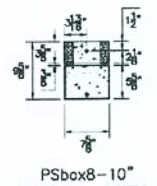
PSbox8(5-5/8) STEEL LINTELS
NOTE: NO SCALE
16 GAGE IS .060 INCHES THICK.
18 GAGE IS .048 INCHES THICK.

NOTES: (second copy of the PSbox8(5-5/8) notes 1–17, with the PSbox8(5-5/8) STEEL LINTELS section and the same NOTE: NO SCALE, 16 GAGE IS .060 INCHES THICK. 18 GAGE IS .048 INCHES THICK.)


PSbox8-6"
#5 TOP


PSbox8-6"
#5 TOP & BOTTOM


PSbox8-10"
#5 TOP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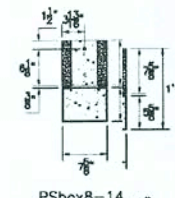
PSbox8-14"
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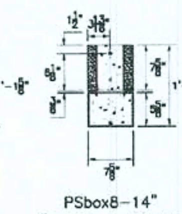
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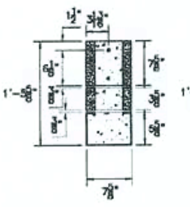
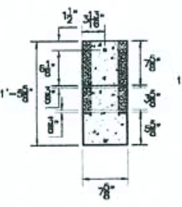
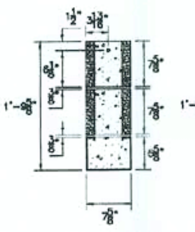
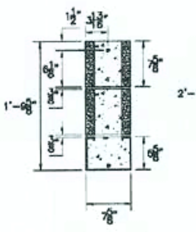
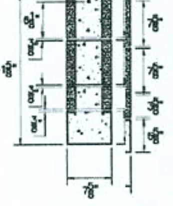
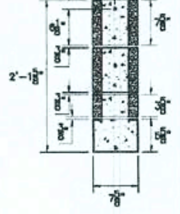

PSbox8-18"
#5 TOP

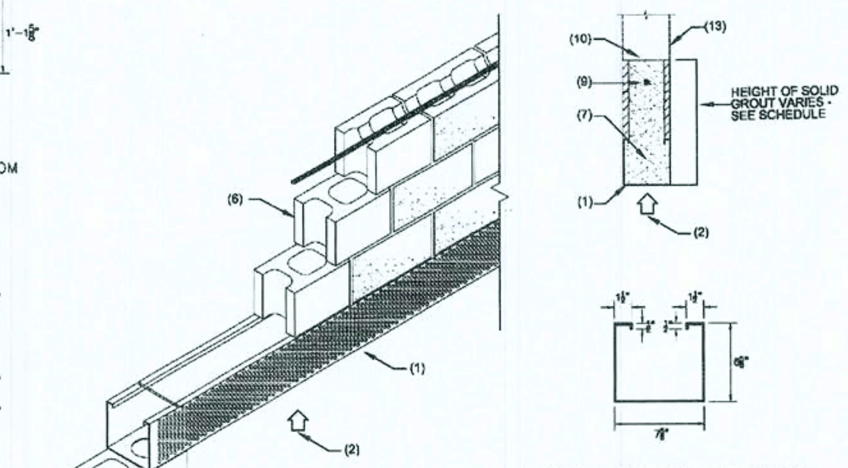

PSbox8-18"
#5 TOP & BOTTOM


PSbox8-22"
#5 TOP


PSbox8-22"
#5 TOP & BOTTOM


PSbox8-26"
#5 TOP


PSbox8-26"
#5 TOP & BOTTOM



TYPICAL POWER BOX LINTEL SECTION

Florida Product Appoval # FL6264-R1

S.E. CONSULTANTS, Inc.
Structural Engineering Consultants
5800 East Thomas Road, Suite 104
Scottsdale, AZ 85251
(602)437-1160
Fax (602)437-5409

DESCRIPTION	
ARCHITECT	
ENGINEER	
JOB NAME	
JOB NO.	0308-08
ADDRESS	
CONTRACTOR	MARONDA
DRWG NO.	

POWERS STEEL & WIRE
(602) 437-1160 FAX 437-5409

DETAILER	
DATE	AUG. 2008
GRADE	

NO.	REVISION	BY	DATE

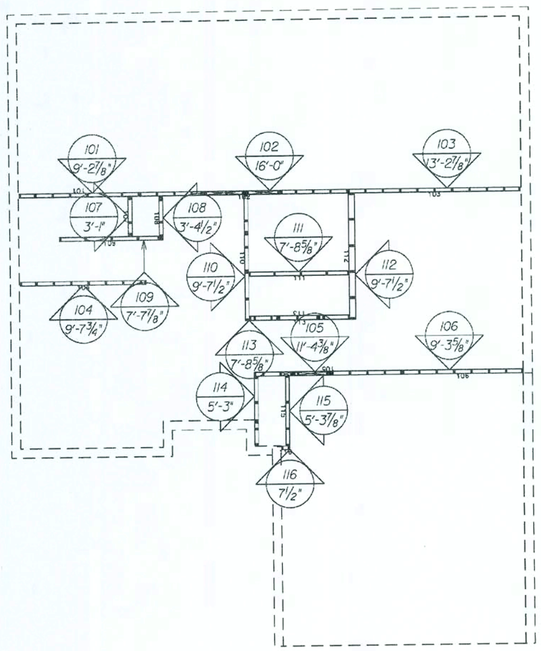
WALL STRAP KEY

(UNDER SHEATHING)

- (S1) - RSPT4

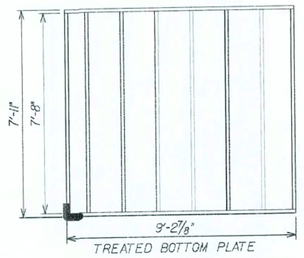
(ON TOP OF SHEATHING)

- (S2) - MSTAI2 (BENT)
- (S3) - MSTAI8
- (S4) - MP6F
- (S5) - MSTA30
- (S6) - MSTA24

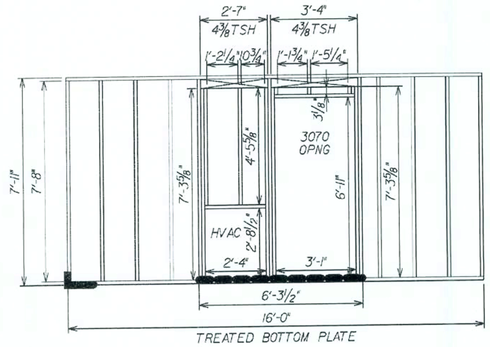


FIRST FLOOR WALL PANEL LAYOUT

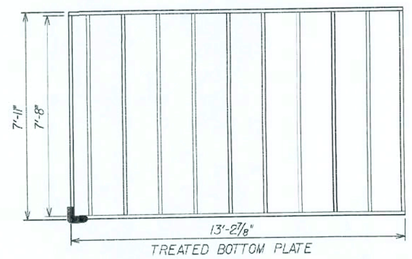
ELEVATIONS "A" "B" "C" "G" "H" "L" "M" "R" "S" & "T"



PNEL 101



PANEL102



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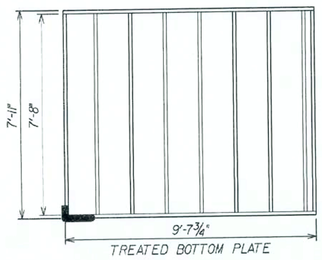

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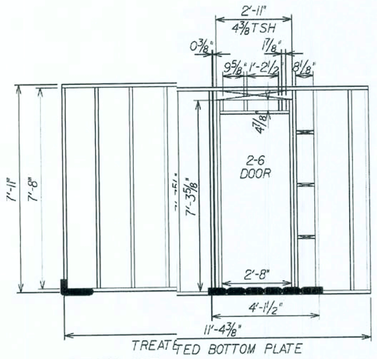

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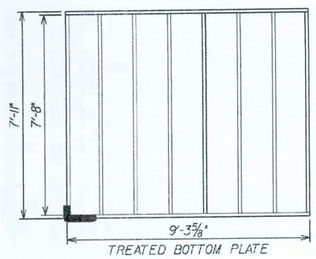

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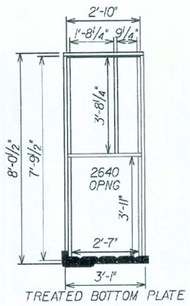

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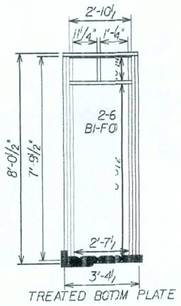
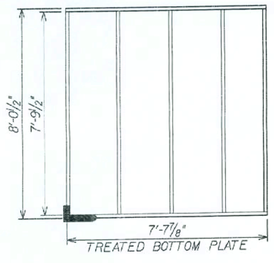


PANEL 13



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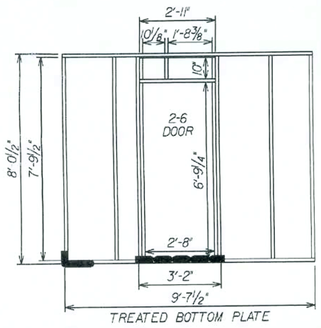

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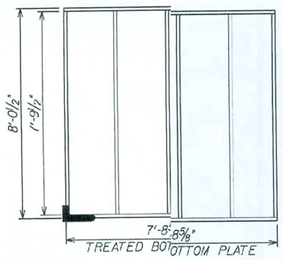

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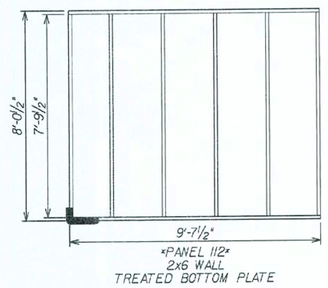

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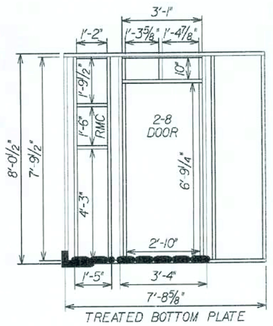

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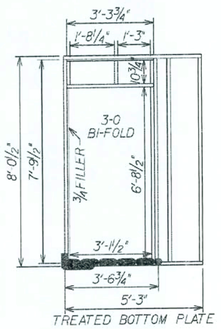

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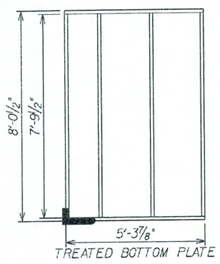

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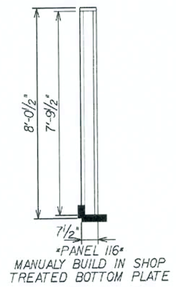


PANEL 116

REVISIONS :

12-06-06 ADDED FRAMING DETAILS.swe

Maronda Homes

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

g:\mlco\houses\f\baybury\border\light\baybury 1st.wpl

AMERICANA | WALL PANEL LAYOUT

BAYBURY

ELEVATIONS "A" "B" "C" "G" "H" "L" "M" "R" "S" & "T"

DRAWN BY: BURLEW | GARAGE: RIGHT

RELEASE DATE: 04/10/09

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

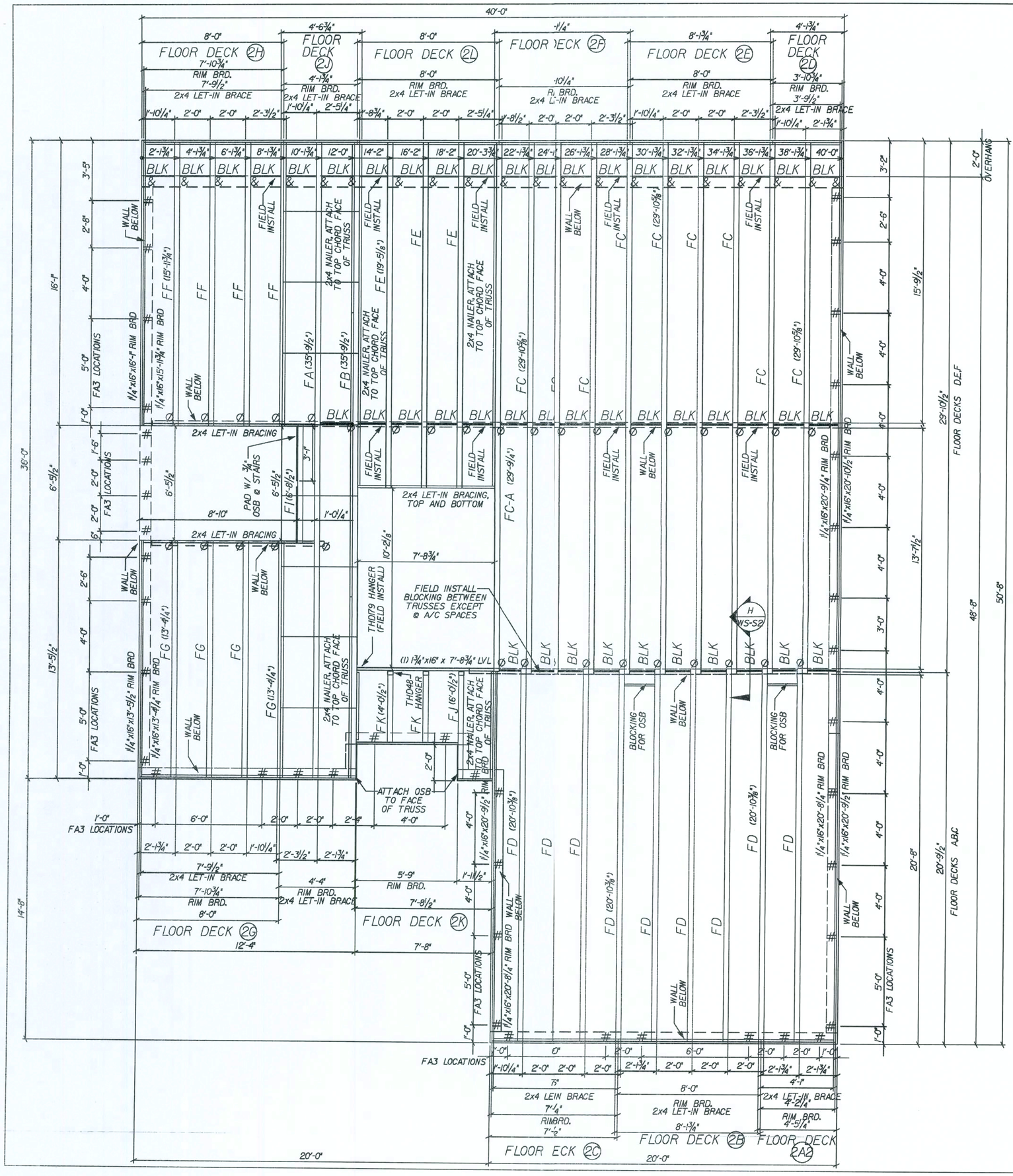
Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:

WPI

PLOT DATE: 14 MAY 2009

10:28:23



FLOOR FRAMING:

ITEM	DESCRIPTION
RIM BRD.	1¼" x 16"
FA - FK	16" WOOD TRUSS

FLOOR FRAMING NOTES:

16" DEEP WOOD FLOOR TRUSSES @ 24" O.C., U.N.O.

1¼" x 16" HIGH WOOD RIM BOARD

DESIGN LOADS:
TC LIVE LOAD = 40 psf
TC DEAD LOAD = 10 psf
BC DEAD LOAD = 5 psf
TOTAL LOAD = 55 psf

DEFLECTION:
LL = L/480
TL = L/360

ROOF LOADS ASSUMED TO BE BEARING ON PERIMETER WALLS ONLY.

FLOOR SHEATHING:
¾" T&G WOOD DECKING GLUED & NAILED w/ 7d x 2¼" SCREW SHANK NAIL @ 4" O.C. EDGES AND 8" O.C. FIELD (TYP.) or 16ga. x 1¾" STAPLE @ 2" O.C. EDGES AND 4" O.C. FIELD. SEE SHEET * FD0. GLUE MUST BE INCLUDED IN THE GROOVE OF EACH PANEL AND BTWN SHEATHING AND TRUSSES.

FLOOR CONNECTORS:

FA3, RIM BOARD CONNECTION DETAIL * B/WS-S1 & LADDER TRUSS CONNECTION DETAIL * E/WS-S1

Ø TYPICAL ATTACHMENT TO BEARING WALL w/ (2) 10d NAILS, TOE-NAILED. SEE DETAIL D/WS-S1

BLK SOLID WOOD FIRE BLOCKING SEE DETAIL F/WS-S1.

* LPTA, SEE DETAIL SHEET B/WS-S2

& TA14, SEE DETAIL SHEET E/WS-S2

SEAT PLATES:

FOR FIRST FLOOR MASONRY WALLS, INSTALL SEAT PLATES SPECIFIED BELOW AT ALL TRUSS/MASONRY CONNECTIONS.

TOTAL QTY.	PART NO.	DESCRIPTION
39	300100.0034	USP NOP4 - FLOOR TRUSS SEAT PLATE

ERECTION/INSTALLATION NOTES

⚠ WARNING! :

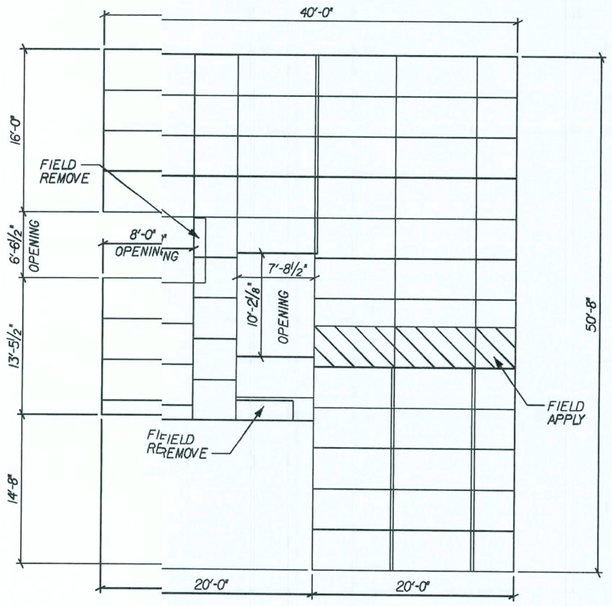
THE ERECTION/INSTALLATION CONTRACTOR SHOULD PROVIDE ADEQUATE RIGGING (CRANE, TAGLINES, SPREADER BARS) FOR SUFFICIENT CONTROL DURING LIFTING AND PLACEMENT TO ASSURE SAFETY TO PERSONNEL AND TO PREVENT DAMAGE TO FLOOR DECK PANELS AND PROPERTY.

NOTE:

AS PER BCSI-B7: TEMPORARY AND PERMANENT BRACING FOR PARALLEL CHORD TRUSSES FROM BCSI 2008 EDITION, STRONGBACKS ARE TO BE INSTALLED ONLY ON THE FLOOR TRUSSES WHERE THE TRUSS ENGINEERING SHEET INDICATES THAT THE L/480 LIVE LOAD DEFLECTION CRITERIA IS NOT MET.

ALL FLOOR DECK PANELS UP TO 30': KEEP LINE ANGLE AT CRANING POINTS AT 60° OR LESS.

ALL FLOOR DECK PANELS 30' TO 60': ATTACH FLOOR DECK PANEL TO SPREADER BAR WITH LINES THAT SLOPE INWARD OR "TOE-IN". LINES THAT "TOE-OUT" COULD CAUSE FLOOR DECK PANEL TO BUCKLE.



57 SHEETS - 4x8 SHEATHING

SECOND FLOOR SHEATHING LAYOUT

REVISIONS :

03-01-09 REV. CODE INFORMATION

Maronda Homes

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

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE 2007 STATE OF FLORIDA BUILDING CODE, 2007 : RESIDENTIAL.
ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.
EXPOSURE B, ENCLOSED BUILDING, H=0

DESIGN'D WIND SPEED:
(3sec gust) 110mph

AMERICANA

FRAMING PLAN

BAYBURY

2 CAR GARAGE

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 03-22-05

PLOT DATE: 12 MAR 2009

11:23:37

g:\mlco\houses\f\baybury\border\right\bbr-2car-1400112

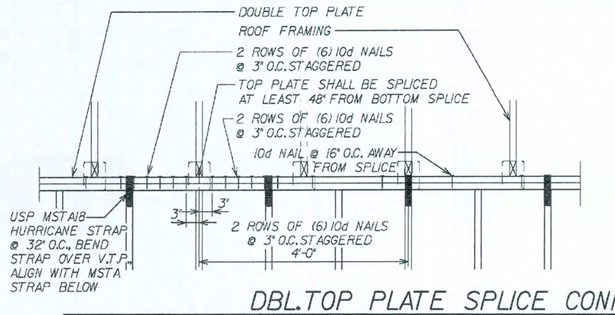
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:

FT2

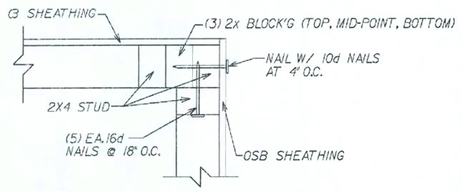
FLORIDA BUILDING CODE 2007 : RESIDENTIAL



DBL.TOP PLATE SPLICE CONN.

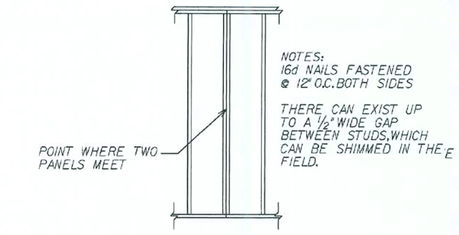
REVISED 02-15-07 : MSTA18 STRAP

SCALE: N.T.S.



(E) TOP CORNER DETAIL

SCALE: N.T.S.



(A) WALL JOINT DETAIL

SCALE: N.T.S.

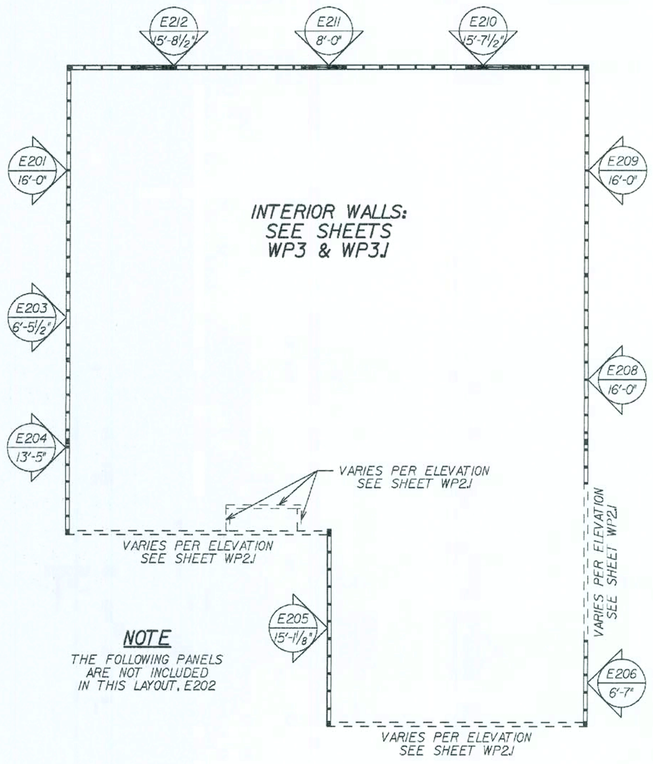
WALL STRAP KEY

(UNDER SHEATHING)

- (S1) - RSPT4

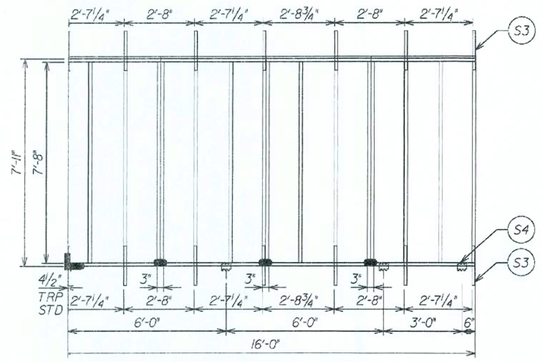
(ON TOP OF SHEATHING)

- (S2) - MSTA12 (BENT)
- (S3) - MSTA18
- (S4) - MP6F
- (S5) - MSTA30
- (S6) - MSTA24

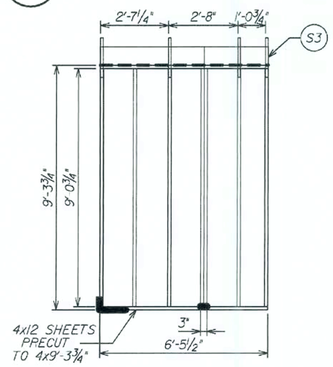


SECOND FLOOR EXTERIOR WALL PANEL LAYOUT

** ALL ELEVATIONS **



PANEL E201



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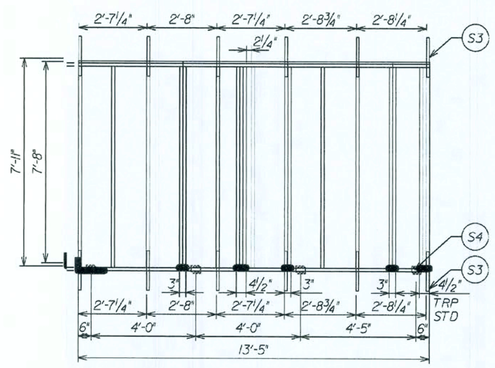

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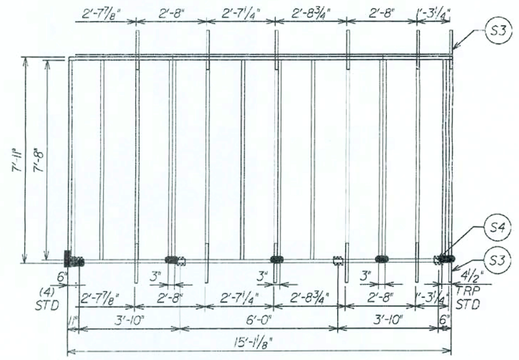

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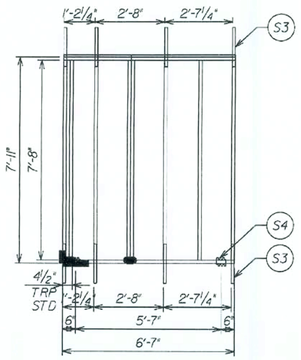

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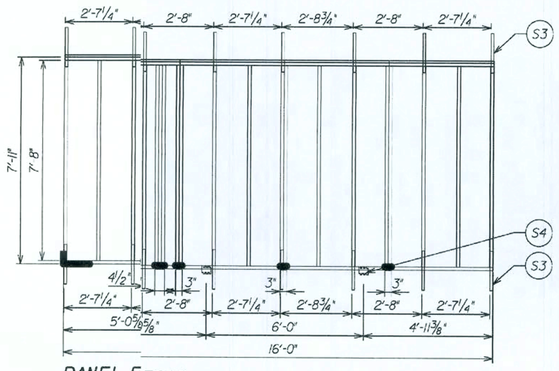

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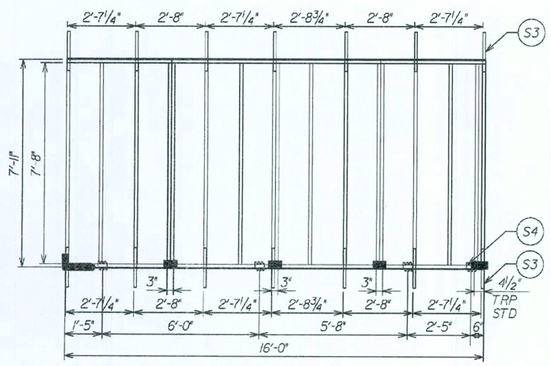

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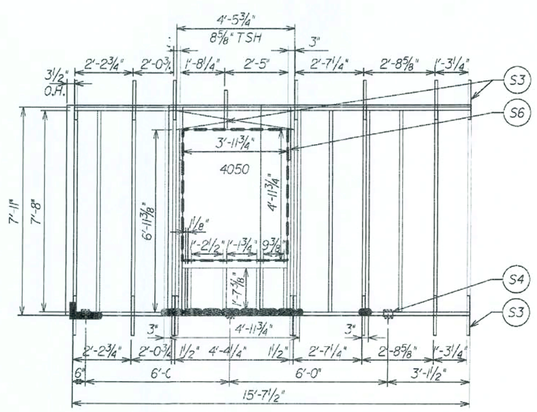

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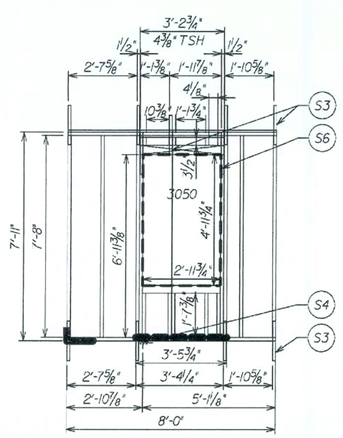

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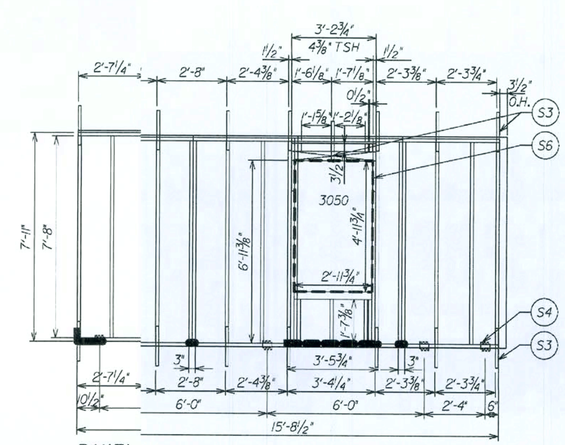


PANEL E212

REVISIONS :

12-06-06 ADDED FRAMING DETAILS.swe

Maronda Homes

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

AMERICANA | WALL PANEL LAYOUT

BAYBURY

ALL ELEVATIONS

DRAWN BY: BURLEW GARAGE: RIGHT

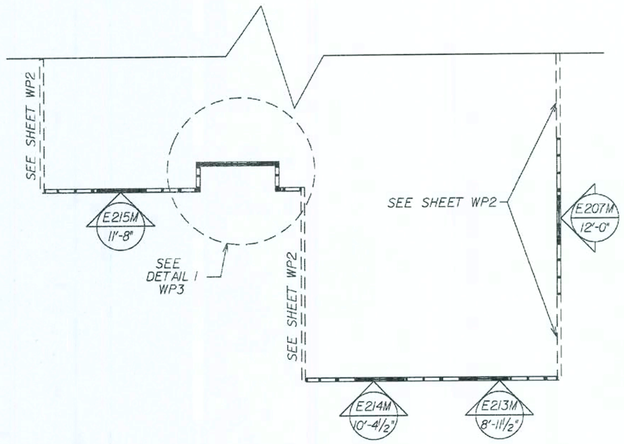
RELEASE DATE: 04/10/09

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

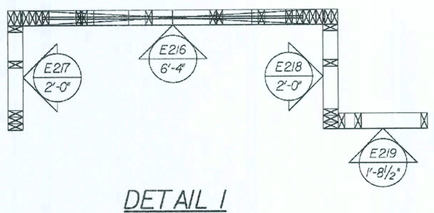
SHEET: WP2

PLOT DATE: 20 APR 2009 15:21:55 g:\mlcc\houses\V\bayburyborder V.1ft\bayburry 2nd ext.wp2



SECOND FLOOR EXTERIOR WALL PANEL LAYOUT

ELEVATION M



DETAIL I

N.T.S.

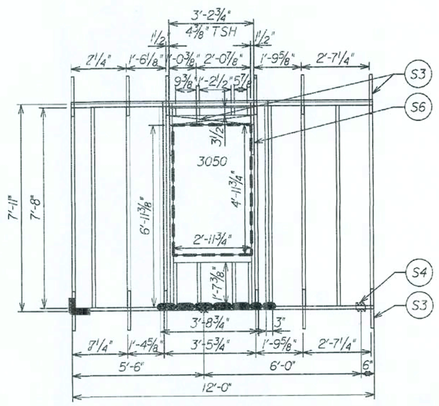
WALL STRAP KEY

(UNDER SHEATHING)

- S1 - RSPT4

(ON TOP OF SHEATHING)

- S2 - MSTA12 (BENT)
- S3 - MSTA18
- S4 - MP6F
- S5 - MSTA30
- S6 - MSTA24



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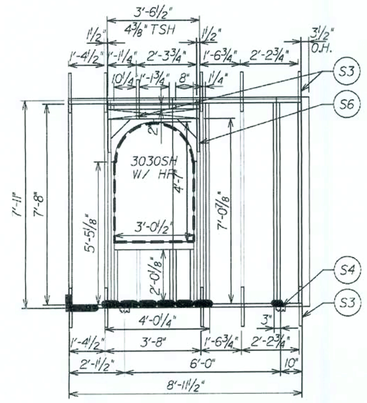

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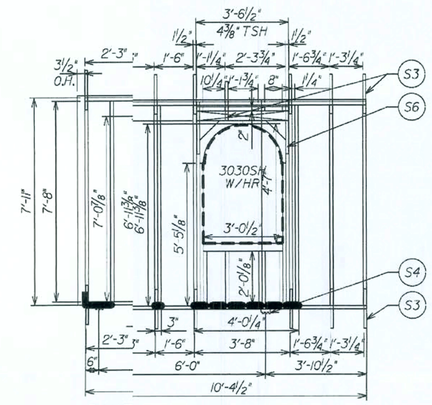

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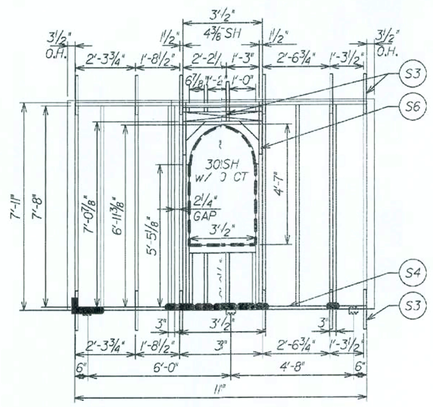

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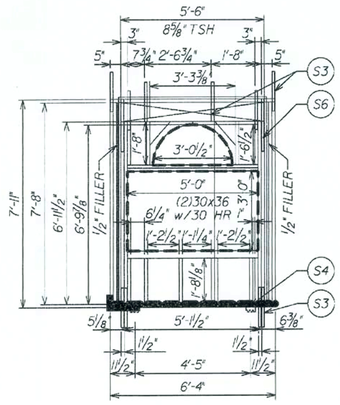

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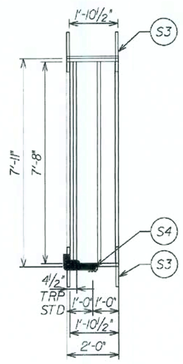
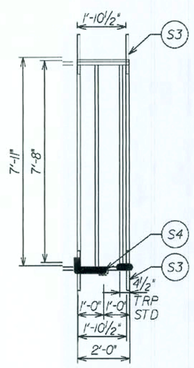
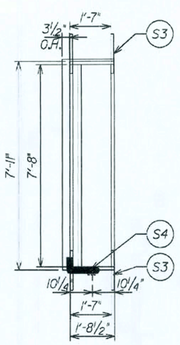


PANEL E217



PANEL E218



PANEL E219

REVISIONS :
01-16-09 WINDOWS ALTERED PER 2007 CODE

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

AMERICANA
WALL PANEL LAYOUT
BAYBURY
ELEVATION "M"
DRAWN BY: BURLEW GARAGE: RIGHT
RELEASE DATE: 04/10/09

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

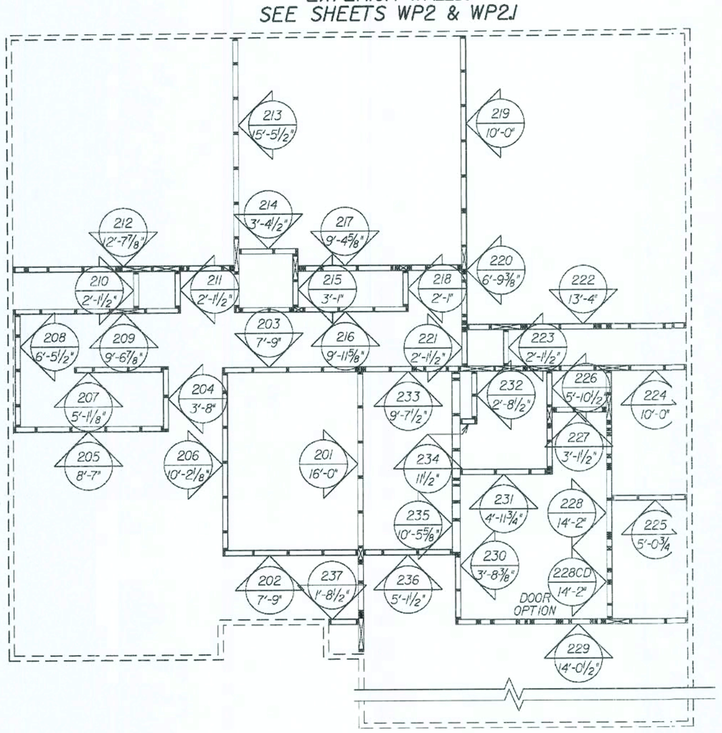
Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:
WP2.1

PLOT DATE: 20 APR 2009 15:21:56

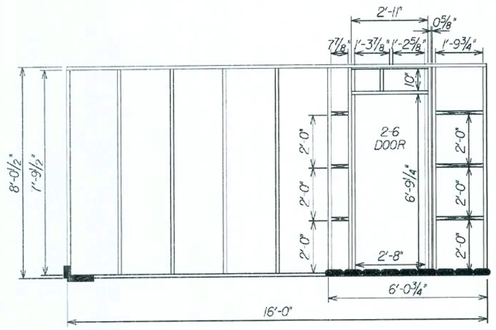
g:\mfloc\houses\1\baybury\border\right\baybury 2nd ext mwp2

EXTERIOR WALLS:
SEE SHEETS WP2 & WP2J

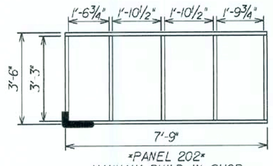


SECOND FLOOR INTERIOR WALL PANEL LAYOUT

ELEVATIONS "A" "B" "C" "G" "H" "L" "M" "R" "S" & "T"

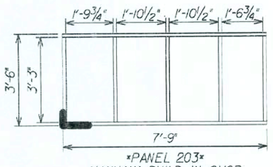


PANEL 201



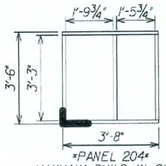
PANEL 202
MANUALY BUILD IN SHOP

PANEL 202



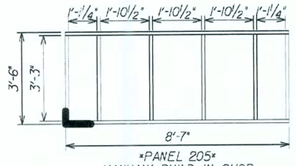
PANEL 203
MANUALY BUILD IN SHOP

PANEL 203



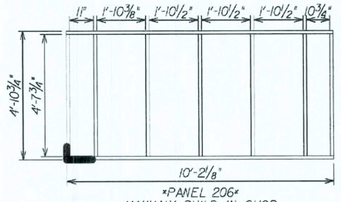
PANEL 204
MANUALY BUILD IN SHOP

PANEL 204



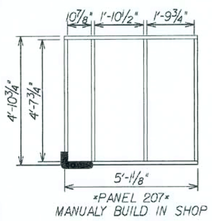
PANEL 205
MANUALY BUILD IN SHOP

PANEL 205



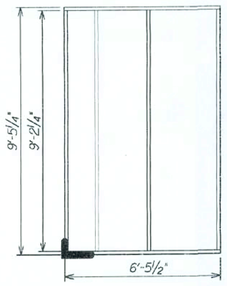
PANEL 206
MANUALY BUILD IN SHOP

PANEL 206



PANEL 207
MANUALY BUILD IN SHOP

PANEL 207



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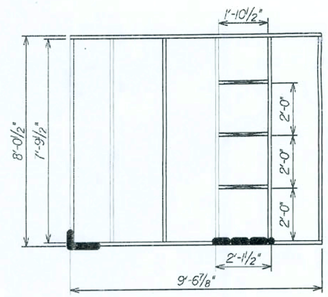
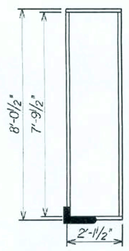
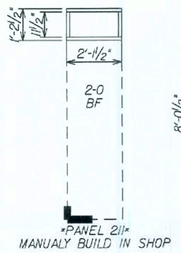


PANEL 209

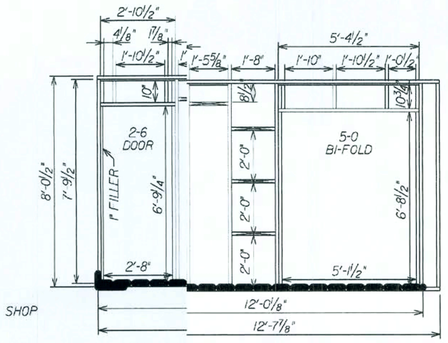


PANEL 210

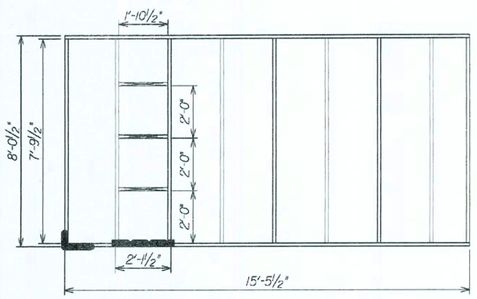


PANEL 211
MANUALY BUILD IN SHOP

PANEL 211

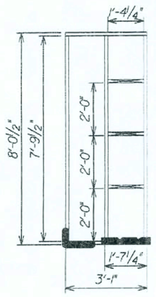


PANEL 212

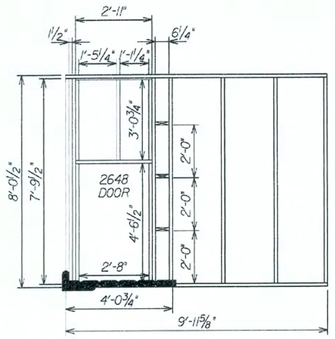


PANEL 213

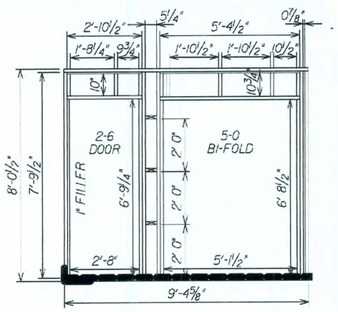
PANEL 214



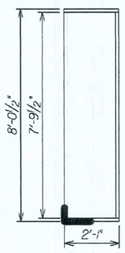
PANEL 215



PANEL 216



PANEL 217



PANEL 218

WALL STRAP KEY

(UNDER SHEATHING)

- (S1) - RSPT4

(ON TOP OF SHEATHING)

- (S2) - MSTA12 (BENT)
- (S3) - MSTA18
- (S4) - MP6F
- (S5) - MSTA30
- (S6) - MSTA24

REVISIONS :
12-06-06 ADDED FRAMING DETAILS.swe

Maronda Homes

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

AMERICANA | WALL PANEL LAYOUT

BAYBURY

ELEVATIONS "A" "B" "C" "G" "H" "L" "M" "R" "S" & "T"

GARAGE: RIGHT

DRAWN BY: BURLEW

RELEASE DATE: 04/10/09

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

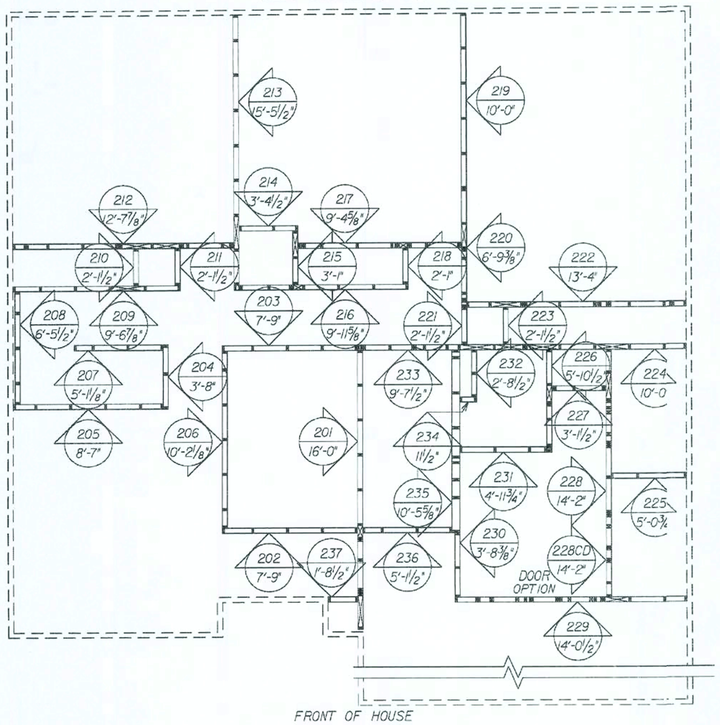
Tomas Ponce P.E.
License No. 0050068
June 8, 2009

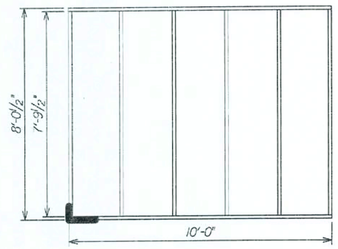
SHEET:
WP3

PLOT DATE: 20 APR 2009 15:21:56

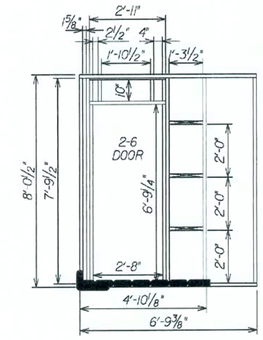
g:\mlcc\houses\f\baybury\border\right\baybury 2nd Int.wp3

EXTERIOR WALLS:
SEE SHEETS WP2 & WP2J

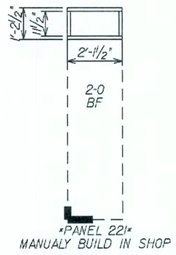




PANEL 219

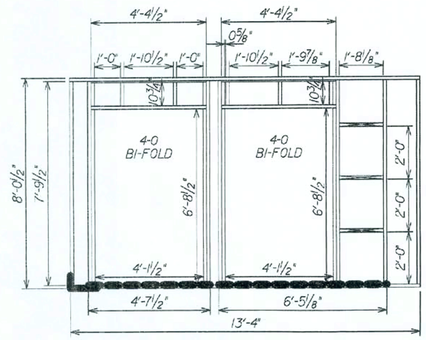


PANEL 220



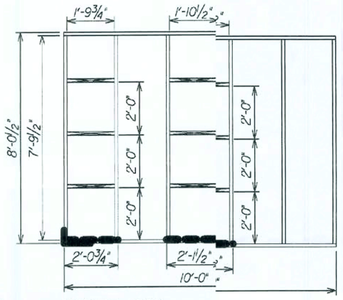
PANEL 221
MANUALY BUILD IN SHOP

PANEL 221

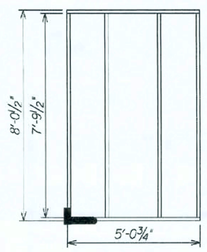


PANEL 222

PANEL 223



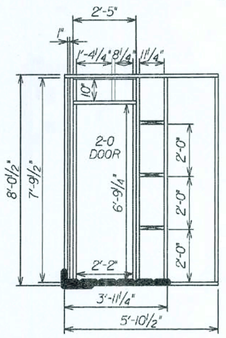
PANEL 224



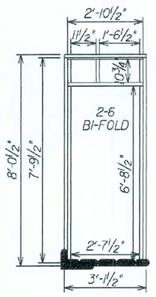
PANEL 225

SECOND FLOOR INTERIOR WALL PANEL LAYOUT

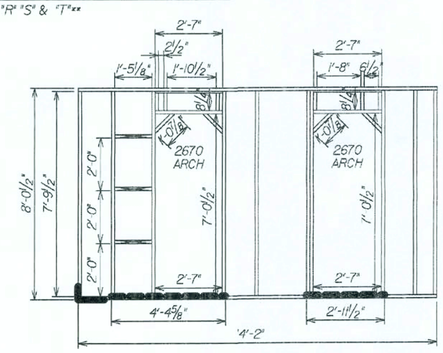
ELEVATIONS "A" "B" "C" "G" "H" "L" "M" "R" "S" & "T"



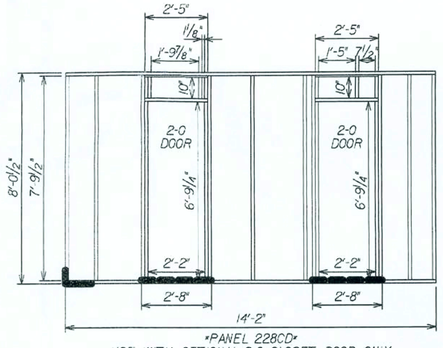
PANEL 226



PANEL 227

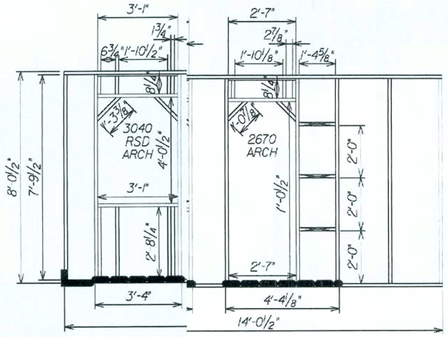


PANEL 228

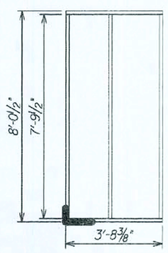


PANEL 228CD
USE WITH OPTIONAL 2-0 CLOSET DOOR ONLY

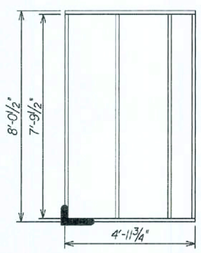
PANEL 228CD



PANEL 229

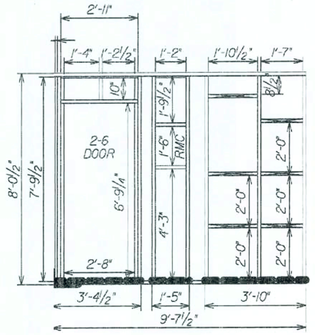


PANEL 230



PANEL 231

PANEL 232



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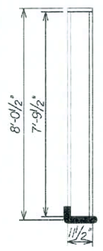

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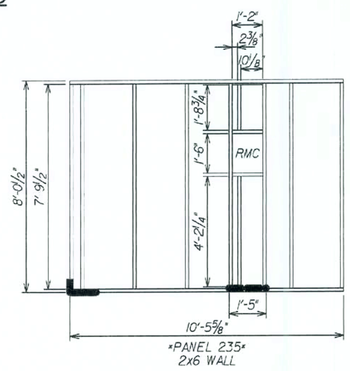
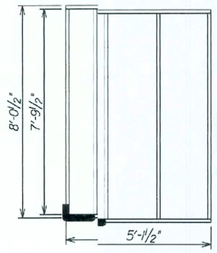
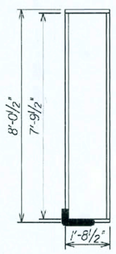


PANEL 235
2x6 WALL

PANEL 235



PANEL 236



PANEL 237

WALL STRAP KEY

(UNDER SHEATHING)

- (S1) - RSPT4

(ON TOP OF SHEATHING)

- (S2) - MSTA12 (BENT)
- (S3) - MSTA18
- (S4) - MP6F
- (S5) - MSTA30
- (S6) - MSTA24

REVISIONS:
12-06-06 ADDED FRAMING DETAILS, swe

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

AMERICANA | WALL PANEL LAYOUT

BAYBURY

ELEVATIONS "A" "B" "C" "G" "H" "L" "M" "R" "S" & "T"

DRAWN BY: BURLEW | GARAGE: RIGHT

RELEASE DATE: 04/10/09

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:
WP3.1

g:\mlcochouses\1\bayburyber\r1g1\bayburry 2nd 1st2wp3
PLOT DATE: 20 APR 2009 15:21:57

USP HARDWARE - 160%

REVISED 10/29/08

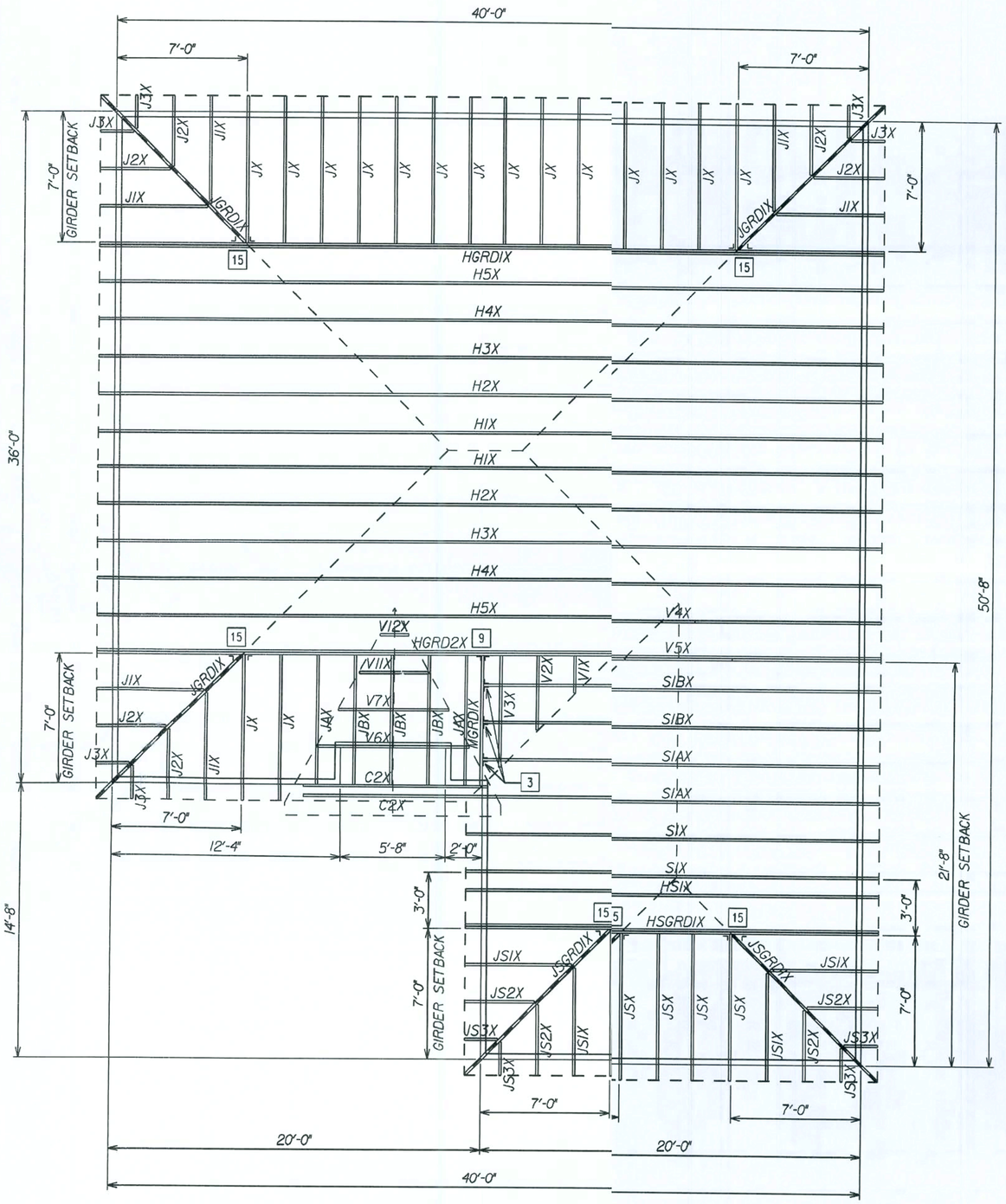
MARK	PRODUCT CODE #	MAN.	FASTENERS	UPLIFT
N	16d NAILS - (2) TOP CHORD NAILS / (2) BOTTOM CHORD NAILS			
1	HUS 26	USP	(14) 16d HEADER (6) 16d TRUSS	1925
2	HUS 28	USP	(22) 16d HEADER (8) 16d TRUSS	2570
3	JUS 26	USP	(4) 10d HEADER (4) 10d TRUSS	1115
4	MP6F	USP	HEADER/STUD (6) 8d TYPE 1 JOIST/PLATE (6) 8d	605
5	MPAI & MPAIF	USP	HEADER/STUD (6) 8d JOIST/PLATE (6) 8d	680/655
6	SKH 26 LVR	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) 16d JACK (4) 10d X 1½"	725
9	SUH 28	USP	HEADER (8) 16d 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	2390
17	(2) MUGT15	USP	⅝" ANCHOR BOLT 3¾" EMBEDDED 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	1950
20	(2) LPTA	USP	FACE OF GABLE W/ 2x4 (11) 10d x 1½"	1250
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	1530
28	HUGT2	USP	CONC. ANC.BOLT (2)3/4"-(2)⅝"WASH 3¼" " EMBED. -ALL GRDR.-(8) 10d	9790
29	HUGT3	USP	CONC. ANC.BOLT (2)3/4"-(2)⅝"WASH 3¼" EMBED. -ALL GRDR.-(8) 10d	9860
30	KST237 STRP ANC.	USP	(34) 16d	5395
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	775
34	LTS20 STRAP ANC	USP	ANCHOR-1/2" NEOGE BOLT 3¼" EMBED. (10) 10d X 1½"STRAP	1910
35	LBP12 -TZ	USP	½" J-BOLT	N/A
36	LFTA6	USP	PLATE (8) 8d STUD (8) 8d	1210
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	1195
42	MTW18	USP	(14) 10d	1195
43	MTS27B STRP ANC	USP	(24) 16d (1)¾" ANCHOR BOLT 3¼" EMBEDDED	4635
44	MUGT15	USP	(22) 10d \ ADD PROD W/ (10) WS3 (1) ⅝" ANCHOR BOLT \ SCREWS & (1) ⅝" 3¾" EMBEDDED \ THREADED ROD	4165
45	HP37 3⅛X 7	USP	HEADER (6) 16d TOP OF BOT. SEC.(6) 10d X 1½"	
46	PA 28	USP	(15) 16d	3700
47	HD28IF	USP	(8) 16d HEADER (4) 10d x 1½" TRUSS	730
48	RT16A	USP	TRUSS (9) 10d x 1½" PLATE (8) 10d	1255
49	RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d X 1½"	975
50	RT5 CLIPS L/R	USP	TRUSS (4) 8d PLATE (4) 8d	520
51	RT3 CLIPS L/R	USP	(4) 8d TOP (4) 8d BOTTOM	520
52	TA 12	USP	(5) 10d x 1½"	990
53	TA 14	USP	(7) 10d x 1½"	1205
54	TA 18	USP	(8) 10d x 1½" OR (4) 10d x 1½"	1205/600
55	(2)TA 18	USP	(8) 10d x 1½" 1-PLY (8) 10d x 1½" 2-PLY	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
58	USC63	USP	TRUSS (8) 10d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	11150
59	USC3F	USP	TRUSS (8) 10d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	11150
60	USC73	USP	TRUSS (8) 10d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	11150
61	UGTS63	USP	TRUSS (8) 16d (2)¾" ANC. BOLTS 2¾" EMBEDDED	6170
62	(2) HTW24	USP	(20) 10d (20) 10d	3060
63	THDH414	USP	(16) 16d - POST (66) 16d - TRUSS	6770
64	HGA10	USP	(4) WS15 - RAFTER/TRUSS (4) WS3 - PLATE	1285
65	LUGT2	USP	STUDS/TOP PLATE (16) 10d TRUSS (16) 10d	2260
66	(2) LUGT2	USP	STUDS/TOP PLATE (16) 10d TRUSS (16) 10d	4520
67	(2) MTW18	USP	(14) 10d	2390
68	THD26-2	USP	(18) 16d HEADER (12) 10d TRUSS	2265
69	HTT22	USP	(32) 10d OR (32) 16d	5370
70	(2) RT5 CLIPS L/R	USP	TRUSS (4) 8d PLATE (4) 8d	1080

TRUSS HARDWARE SCHDULE

TRUSS ID	TRUSS TYPE		QUAN.	UFT LEFT	UFT MID	UFT RIGHT	STRAP LEFT	STRAP MID	STRAP RIGHT
HIX		HIP	2	562		562	41		41
H2X		HIP	2	541		541	41		41
H3X		HIP	2	519		519	41		41
H4X		HIP	2	542		542	41		41
H5X		HIP	2	569		569	41		41
HGRDIX		HIPGRDR	1(2-PLY)	1781		1781	16		16
HGRD2X		HIPGRDR	1(2-PLY)	1177		1615	16		16
SIX		SCISSOR	2	355		355	50		50
SIAX		SCISSOR	2	351		282	50		3
SIBX		SCISSOR	2	351		282	50		3
HSIX		HIP SCIS	1	348		347	50		50
HSGRDIX		HIPGRDR	1(2-PLY)	809		809	41		41
JGRDIX		JACKGRDR	3	262		331	24		15
JX		JACK	16	107	2	154	50	N	N
JAX		JACK	2	76	3	153	50	N	N
JBX		JACK	3	304	9	6	50	N	N
JIX		JACK	6	223	8	86	50	N	N
J2X		JACK	6	59	5	62	50	N	N
J3X		JACK	6	41	3	15	50	N	N
JSGRDIX		JACKGRDR	2	390		334	24		15
JSX		JACK	4	62	4	152	50	N	N
JSIX		JACK	4	36	7	105	50	N	N
JS2X		JACK	4	10	3	61	50	N	N
JS3X		JACK	4	94		16	50		N
MGRDIX		MONOGRDR	1	585		645	50		9
C2X		SPECIAL	2	300		1575	20		20
VIX		VALLEY	1	← 33 @ 48" O.C. →					
V2X		VALLEY	1	← 33 @ 48" O.C. →					
V3X		VALLEY	1	← 33 @ 48" O.C. →					
V4X		VALLEY	1	← 33 @ 48" O.C. →					
V5X		VALLEY	1	← 33 @ 48" O.C. →					
V6X		VALLEY	1	← 33 @ 48" O.C. →					
V7X		VALLEY	1	← 33 @ 48" O.C. →					
VIIX		VALLEY	1	← 33 @ 48" O.C. →					
VI2X		VALLEY	1	← 33 @ 48" O.C. →					

GENERAL TRUSS NOTES:

1. INFORMATION BASED ON 140 mph WINDLOAD. ALL PRESSURES WERE CALCULATED USING MWFRS/C-C HYBRID WIND ASCE 7-05
2. ROOF TRUSS LOADING:
   16 psf TOP CHORD LL
   7 psf TOP CHORD DL
   0 psf BOTTOM CHORD LL
   10 psf BOTTOM CHORD DL
   33 psf TOTAL LOAD
3. PROVIDE TRUSS BRACING PER TRUSS ENGINEERING & BCSI 1-03



REVISIONS :

03-01-09 REV. CODE INFORMATION

Maronda Homes

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA RESIDENTIAL BUILDING CODE 2007.
ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.
EXPOSURE B, ENCLOSED BUILDING, H.D
DESIGN'D WIND SPEED: 125mph - 3 sec. GUST

TRUSS INFO

AMERICANA

BAYBURY

ELEVATION "M"

GARAGE: RIGHT

DRAWN BY: B.SARVER

RELEASE DATE: 03-13-2009

10012139

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

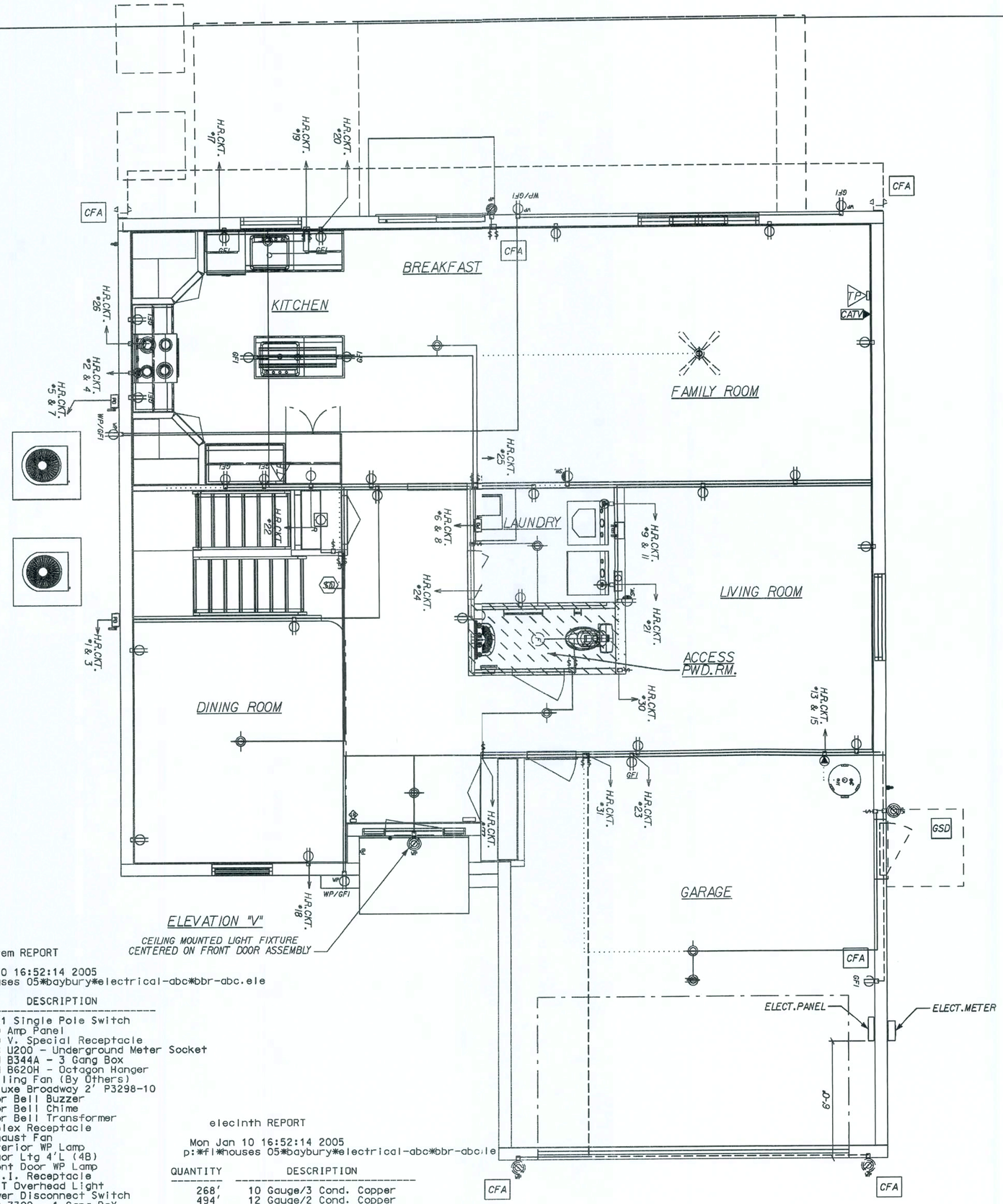
SHEET:

TR1

PLOT DATE: 21 APR 2009

P:\fNhouses_05\baybury\rad_0\full_size_layouts\light_garage\350-bbr_m_rgtr1

FLORIDA BUILDING CODE 2007 : RESIDENTIAL



ELEVATION "V"

CEILING MOUNTED LIGHT FIXTURE CENTERED ON FRONT DOOR ASSEMBLY

elecitem REPORT

Mon Jan 10 16:52:14 2005
p:*fl*houses 05*baybury*electrical-abc*bbr-abc.ele

QUANTITY	DESCRIPTION
18	1451 Single Pole Switch
1	200 Amp Panel
3	220 V. Special Receptacle
1	ANC U200 - Underground Meter Socket
1	CLN B344A - 3 Gang Box
10	CLN B620H - Octagon Hanger
1	Ceiling Fan (By Others)
1	Deluxe Broadway 2' P3298-10
1	Door Bell Buzzer
1	Door Bell Chime
1	Door Bell Transformer
28	Duplex Receptacle
1	Exhaust Fan
1	Exterior WP Lamp
1	Fluor Ltg 4'L (4B)
1	Front Door WP Lamp
4	G.F.I. Receptacle
7	H-7T Overhead Light
3	Power Disconnect Switch
45	RAC 7302 - 1 Gang BoX
7	RAC 7835 - 2 Gang Box
1	Rear Door WP Lamp
3	Single Receptacle
1	Smoke Detector
2	Switched Receptacle
2	Telephone Outlet
1	Three Way Switch

elecinth REPORT

Mon Jan 10 16:52:14 2005
p:*fl*houses 05*baybury*electrical-abc*bbr-abc.ele

QUANTITY	DESCRIPTION
268'	10 Gauge/3 Cond. Copper
494'	12 Gauge/2 Cond. Copper
1250'	14 Gauge/2 Cond. Copper
103'	14 Gauge/3 Cond. Copper
140'	6 Gauge/3 Cond. Copper

GENERAL ELECTRICAL NOTES:

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

PROVIDE AFCIs (arc-fault circuit interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC. SECTION 210.12 REVISED 10-05-06

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

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	D1	Power Disconnect Switch
		Door Bell Chime
PB	B1	Door Bell Buzzer
		Ceiling Fan (By Others)
SD	D2	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
F L		Exhaust Fan / Light Combo
S CO		Smoke / Carbon Monoxide Combo
		5-Bulb Dining Chandelier
		Breakfast Nook Opal Globe
		Exterior Overhead Light
		Stair Storage 18" Flourescent

REVISED 02-02-09

REVISIONS :
02-03-06 REVISED MASTER BATH LIGHT
12-15-06 ELIM. SMOKE DETECT. HOME RUN.
1-2-07 - RELOC. A/C COND. DISC. SW.
02-19-07 ADD SMOKE DETECTOR TO MASTER BEDROOM
03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

AMERICANA

ELECTRIC LAYOUT

BAYBURY

2-CAR GARAGE

DRAWN BY:
GARAGE: RIGHT
RELEASE DATE: 03-22-05

p:\fl\houses_05\baybury\electrical-abc\bbr-abc.ell

PLOT DATE: 22 MAY 2009

SHEET:
E1

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

ELECTRICAL LOAD CALCULATIONS

11/28/06

MODEL: BAYBURY 4

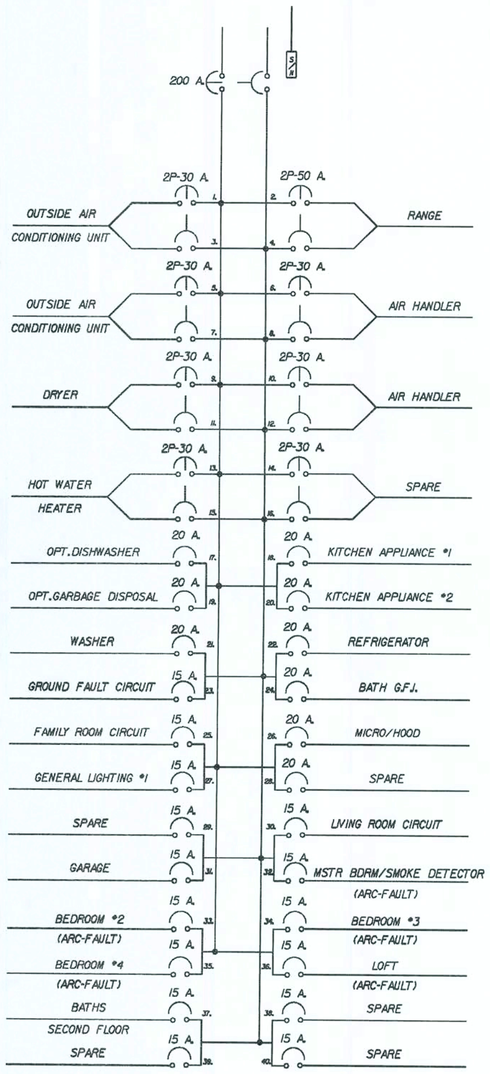
		VOLT/AMPS
LARGEST LOAD:HEAT PUMPW/SUPPLEMENTAL HEAT		**18616**
SQUARE FEET LIVING AREA	**2827** @ 3 VOLT/AMPS	8481
SMALL APPLIANCE CIRCUITS		3000
LAUNDRY CIRCUIT		1500
OVEN		11700
WATER HEATER		4500
DISHWASHER		1500
DRYER		5000
DISPOSAL		500
TOTAL LOAD		**36181**

FIRST 10KVA @100%	10000
REMAINDER @40%	10472.4
LARGEST LOAD	18616

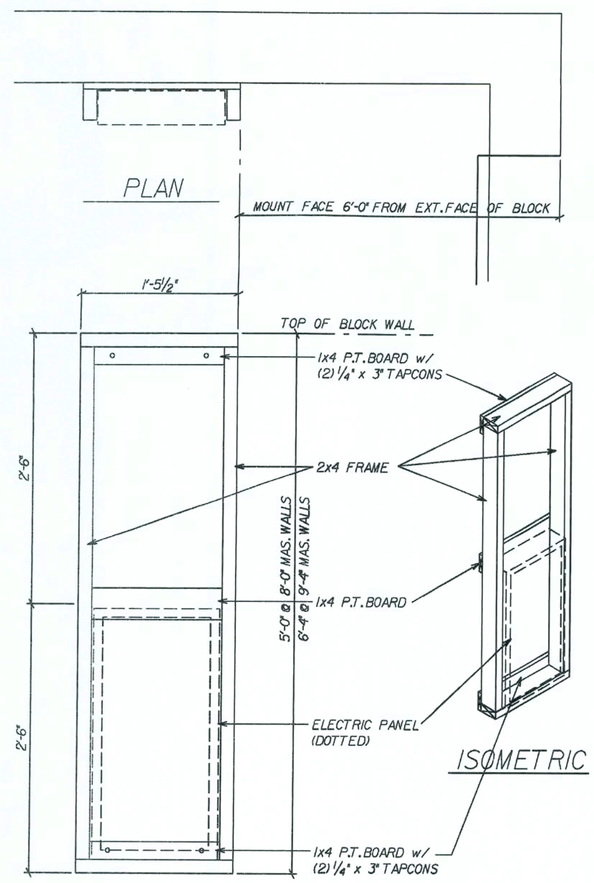
TOTAL LOAD **39088** V.A./240 VOLTS= **163** AMPS

SERVICE SIZE: 200 AMPS

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



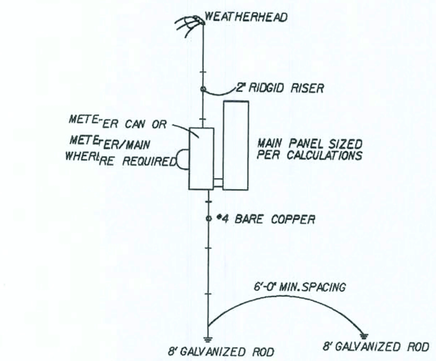
MAIN BREAKER LOAD CENTER



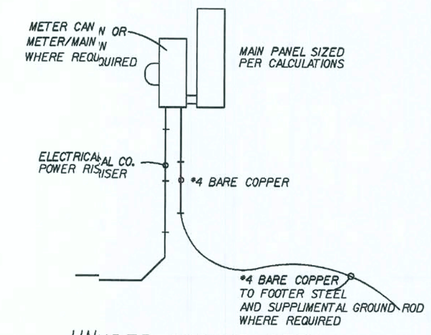
ELECTRIC PANEL FRAME

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

SCALE: 1" = 1'-0"

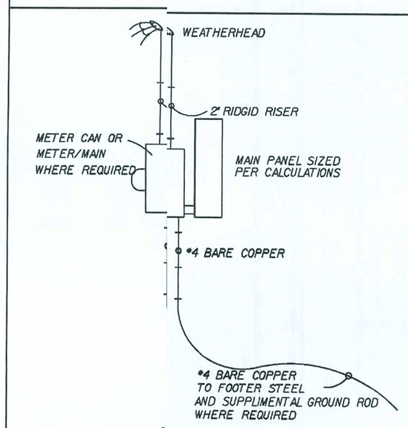


OVERHEAD SERV.

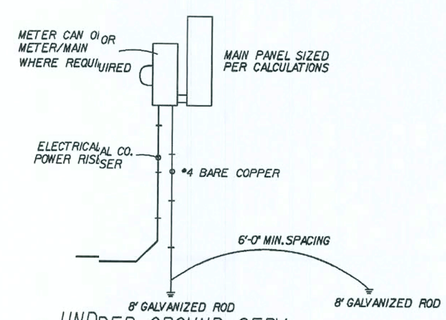


UNNDER GROUND SERV.

REVISED 06-14-06
SPACING REQUIREMENT



OOVERHEAD SERV.



UNDDER GROUND SERV.

REVISED 06-14-06
SPACING REQUIREMENT

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

REVISIONS :

11-28-06	REV. ELECT. LOAD CALC.
12-15-06	ELIM. SMOKE DETECT. HOME RUN.
02-19-07	ADD SMOKE DETECTOR TO MASTER BEDROOM
03-10-08	REV.DW & GD BKR.TO 20 AMP- KW
03-01-09	REV. CODE INFORMATION

Maronda Homes

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

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

AMERICANA | ELECTRICAL DETAILS

BAYBURY-4

GARAGE:

DRAWN BY:

RELEASE DATE: 03-22-05

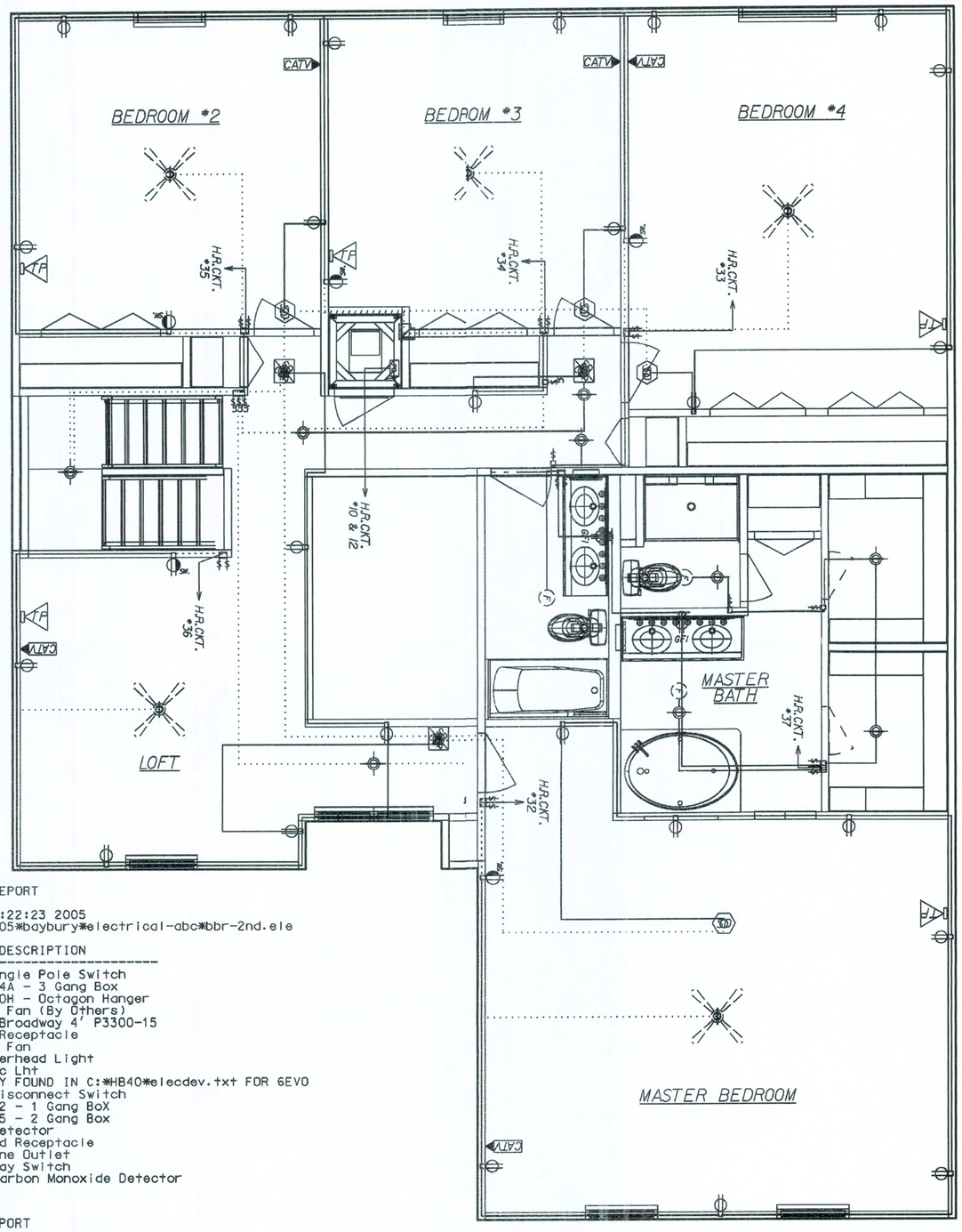
10:24:50

SHEET:

ELA

PLOT DATE: 22 MAY 2009

FLORIDA BUILDING CODE 2007 : RESIDENTIAL



elecitem REPORT

Mon Feb 14 14:22:23 2005
p:*fl*houses 05*baybury*electrical-abc*bbr-2nd.ele

QUANTITY	DESCRIPTION
18	1451 Single Pole Switch
2	CLN B344A - 3 Gang Box
10	CLN B620H - Octagon Hanger
5	Ceiling Fan (By Others)
2	Deluxe Broadway 4' P3300-15
27	Duplex Receptacle
3	Exhaust Fan
8	H-7T Overhead Light
1	H-7T-Rec Lht
1	NO ENTRY FOUND IN C:*HB40*elecdev.txt FOR 6EVO
1	Power Disconnect Switch
37	RAC 7302 - 1 Gang BoX
6	RAC 7835 - 2 Gang Box
4	Smoke Detector
5	Switched Receptacle
5	Telephone Outlet
5	Three Way Switch
3	Smoke/Carbon Monoxide Detector

elecinth REPORT

Mon Feb 14 14:22:23 2005
p:*fl*houses 05*baybury*electrical-abc*bbr-2nd.ele

QUANTITY	DESCRIPTION
67'	10 Gauge/3 Cond. Copper
23'	12 Gauge/2 Cond. Copper
1047'	14 Gauge/2 Cond. Copper
379'	14 Gauge/3 Cond. Copper

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	01	Power Disconnect Switch
		Door Bell Chime
PB	PB	Door Bell Buzzer
		Ceiling Fan (By Others)
SD	02	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	3	Exhaust Fan
CATV	CATV	Cable TV
TP	TP	Telephone Outlet
		Flood Lights
EL		Exhaust Fan / Light Combo
CO		Smoke / Carbon Monoxide Combo
		5-Bulb Dining Chandelier
		Breakfast Nook Opal Globe
		Exterior Overhead Light
		Stair Storage 18" Flourescent

REVISED 02-02-09

REVISIONS :
4/12/06 MOVE SMOKE DETECTORS
12/1/06 MOVE SMOKE DETECTORS
1/2/07 MOVE SMOKE DETECTORS
1/29/07 ADDED & RELOC. SMOKE DET.
4/29/09 REV. SMOKE DET. TO CARB/SD.
03-01-09 REV. CODE INFORMATION

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

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

AMERICANA

ELECTRIC LAYOUT

BAYBURY

SECOND FLOOR

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 03-22-05

10L2453

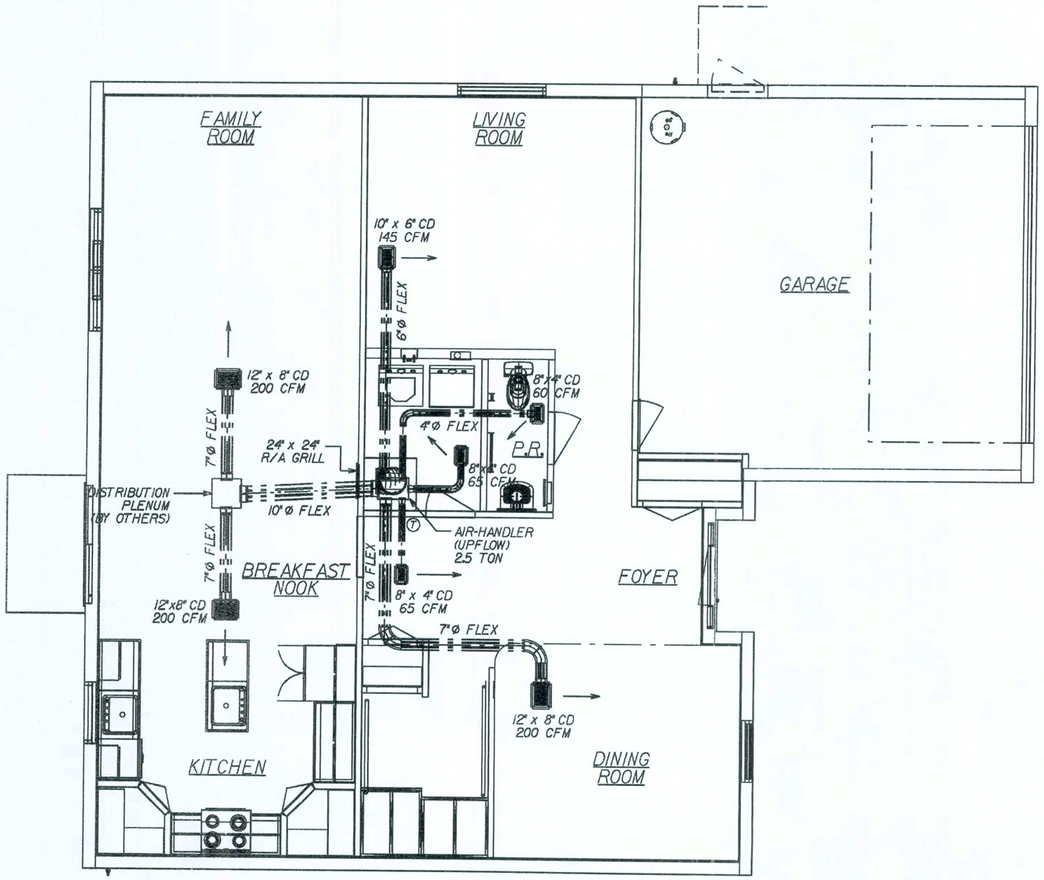
SHEET:

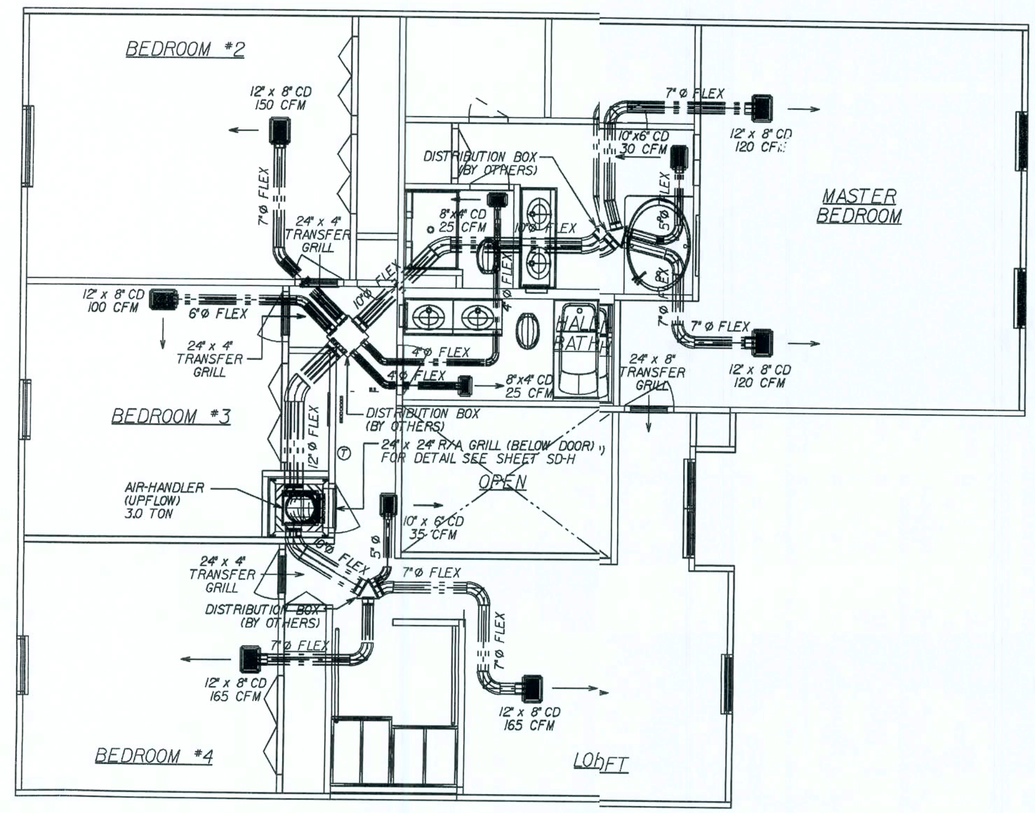
EL2

PLOT DATE: 22 MAY 2009

p:\fl\houses_05\baybury\electrical-abc\bbr-2nd

FLORIDA BUILDING CODE 2007 : RESIDENTIAL





FIRST FLOOR - HVAC LAYOUT

2.5 TON
TEMPSTAR FSM2X3000 14 SEER
TEMPSTAR N2H230AKA 14 SEER
5 KW
BRAEBURN 5200 PROGRAMABLE
BROAN 671 (70 CFM)
SIZE OF REDUCTION BOXES (DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)
EXT.STATIC .60 935 CFM L

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

SECOND FLOOR - HVAC LAYOUT

3.0 TON
TEMPSTAR FEM2X3600 14 SEER
TEMPSTAR N2H336AKA 14 SEER
5 KW
BRAEBURN 5200 PROGRAMABLE
BROAN 671 (70 CFM)
SIZE OF REDUCTION BOXES (DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)
EXT.STATIC .60 935 CFM L

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

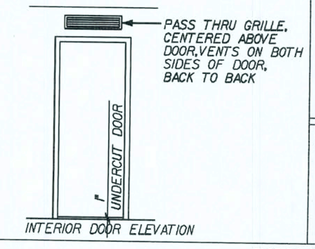
GENERAL MECHANICAL NOTES:

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

SEE ELECTRIC PLANS FOR EXHAUST FAN LOCATIONS IN BATH AREAS.

SEE FLOOR PLAN FOR CLOTHES DRYER VENT LOCATION.

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



* USE WITH 14 SEER EQUIP. *

REVISIONS:
07-27-05 Rev. Trans. Grille TO 24 x 8 @ M.B.R.
11-01-05 REMOVED ENG'S NOTE
2) 11-30-05 Rev. HTG. IN FURN. RM. & PWD. RM.
3) 05-31-06 Rev. HTG. LISTS T.J.T.
11/17/06 COMPLETE 13 SEER UPDATE T.J.M.
03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

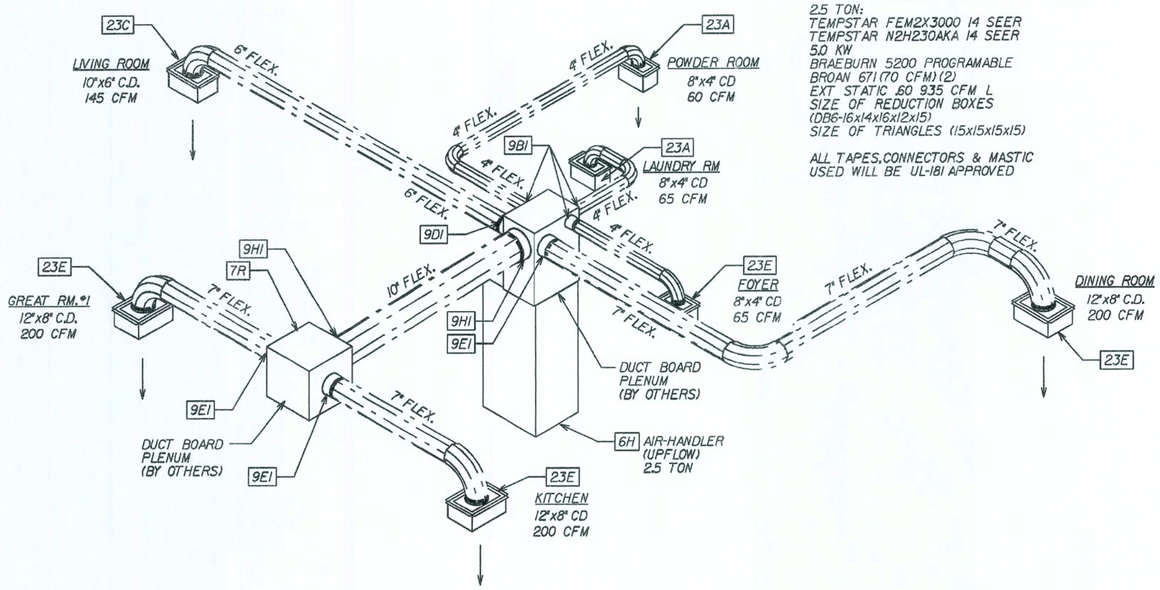
HVAC MECHANICALS

BAYBURY
4 BEDROOM
GARAGE: RIGHT
DRAWN BY:
RELEASE DATE: 03-22-05

SHEET: HVA

PLOT DATE: 22 MAY 2009
10:26:55
p:\hvac\bayburyhvac\fabbrh3.hva

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

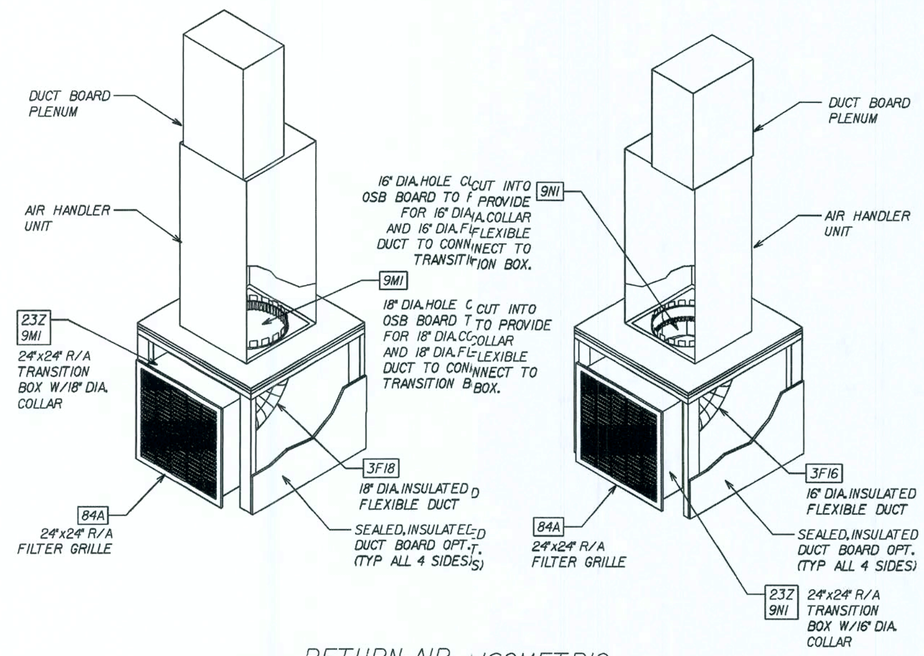


FIRST FLOOR HVAC ISOMETRIC

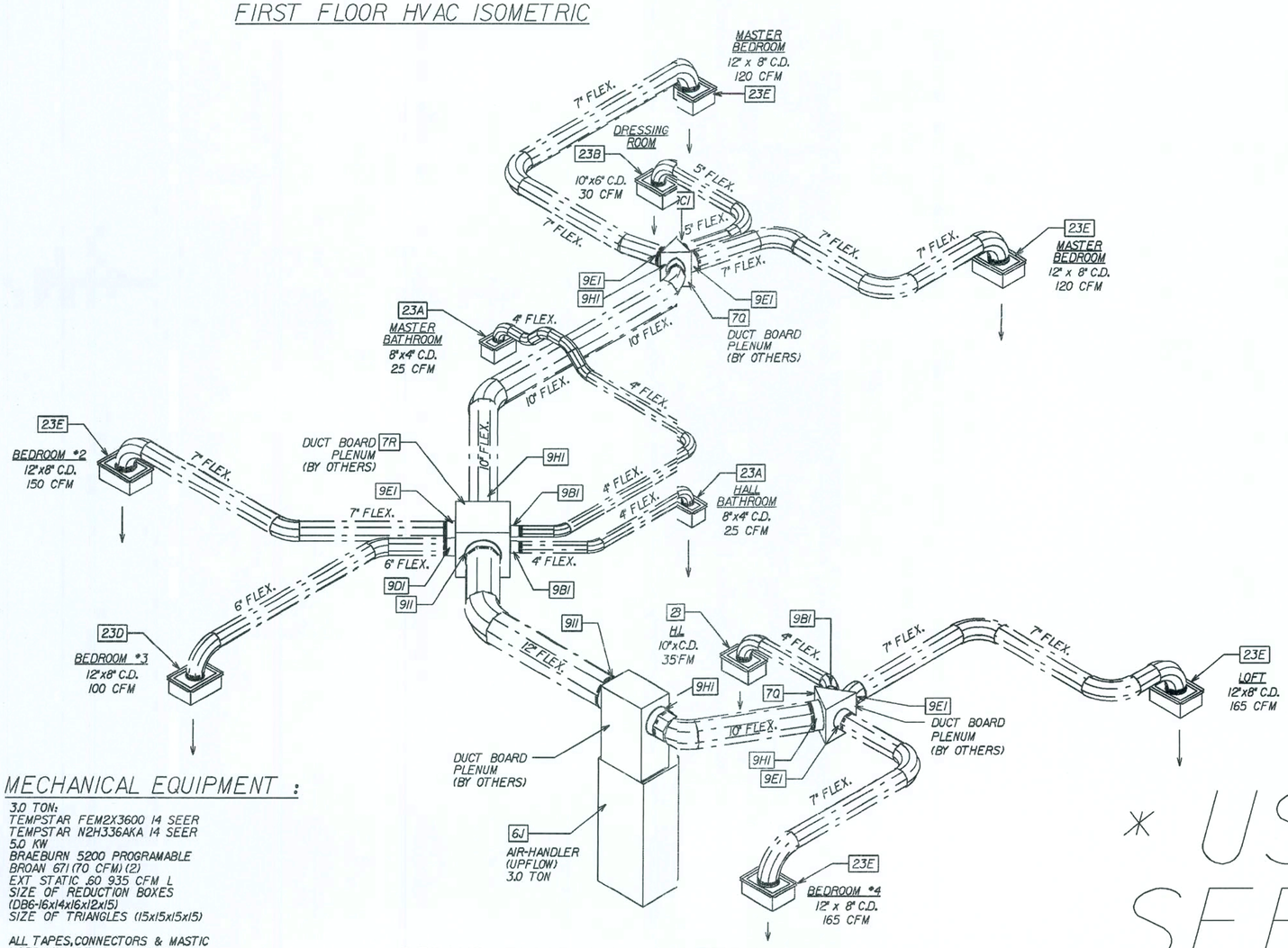
MECHANICAL EQUIPMENT :

2.5 TON:
TEMPSTAR FEM2X3000 14 SEER
TEMPSTAR N2H230AKA 14 SEER
5.0 KW
BRAEBURN 5200 PROGRAMABLE
BROAN 671(70 CFM)(2)
EXT STATIC .60 935 CFM L
SIZE OF REDUCTION BOXES
(DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)

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



RETURN-AIR ISOMETRIC



SECOND FLOOR HVAC ISMETRIC

MECHANICAL EQUIPMENT :

3.0 TON:
TEMPSTAR FEM2X3600 14 SEER
TEMPSTAR N2H336AKA 14 SEER
5.0 KW
BRAEBURN 5200 PROGRAMABLE
BROAN 671(70 CFM)(2)
EXT STATIC .60 935 CFM L
SIZE OF REDUCTION BOXES
(DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)

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

hvacitem REPORT :

Wed Nov 22 13:38:05 2006
p:*fl*houses 05*baybury*hvac*flabbrh.htg

QUANTITY	DESCRIPTION		
5	23A	150045.00035	8x4 CEILING BOOT W/4" DIA. COLLAR
2	23B	150045.00036	10x6 CEILING BOOT W/5" DIA. COLLAR
1	23C	150045.00036	10x6 CEILING BOOT W/6" DIA. COLLAR
1	23D	150045.00038	12x8 CEILING BOOT W/6" DIA. COLLAR
8	23E	150045.00038	12x8 CEILING BOOT W/7" DIA. COLLAR
1	23Z	150045.00046	24x24 R/A TRANSITION BOOT W/18" COLLAR
1	23Z1	150045.00046	24x24 R/A TRANSITION BOOT
25'	3F10	150040.00097	10" FOIL FLEX R6
8'	3F12	150040.00098	12" FOIL FLEX R6
3'	3F16	150040.00108	16" FOIL FLEX R6
3'	3F18	150040.00138	18" FOIL FLEX R6
46'	3F4	150040.00091	4" FOIL FLEX R6
12'	3F5	150040.00092	5" FOIL FLEX R6
21'	3F6	150040.00093	6" FOIL FLEX R6
75'	3F7	150040.00094	7" FOIL FLEX R6
1	6H1	150005.00023	FEM2X3000A 14 SEER 2.5 TON AIR HANDLER UNIT
1	6J1	150005.00043	FEM2X3600A 14 SEER 3.0 TON AIR HANDLER UNIT
1	6O1	150010.00102	N2H330AKA 14 SEER 2.5 TON CONDENSER
1	6P1	150010.00103	N2H336AKA 14 SEER 3.0 TON CONDENSER
2	7C	150005.00110	19x13x30"H BOX PLENUM
2	7Q	150040.00118	DUCT PLENUM TRIANGLE
2	7R	150040.00111	18" SQUARE DUCT PLENUM
6	81A	150055.00041	24x4 TRANSFER GRILLE
1	81C	150055.00078	24x8 TRANSFER GRILLE
1	81D	150045.00078	24x8 TRANSFER GRILLE FRAME
1	83F	150055.00005	10X6 REGISTER
2	84A	150055.00032	24x24 RETURN AIR FILTER GRILLE
5	9B1	150040.00075	4" K-COLLAR/ROTH (4KC/413)
2	9C1	150040.00076	5" K-COLLAR/ROTH (5KC/413)
2	9D1	150040.00077	6" K-COLLAR/ROTH (6KC/413)
8	9E1	150040.00078	7" K-COLLAR/ROTH (7KC/413)
6	9H1	150040.00081	10" K-COLLAR/ROTH (10KC/413)
2	9I1	150040.00082	12" K-COLLAR/ROTH (12KC/413)
1	9M1	150040.00137	18" K-COLLAR/ROTH (18KC/413)
2	9N1	150040.00084	16" K-COLLAR/ROTH (16KC/413)

* USE WITH 14 SEER EQUIP. *

REVISIONS :
AJ REV.HTG @ FURN.RM.(11/30/05) T.J.T.
BJ REV.HTG LISTS (05/30/06) T.J.T.
11/17/06 COMPLETE 13 SEER UPDATE TJM
03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

HVAC MECHANICALS

BAYBURY

4 BEDROOM

GARAGE:

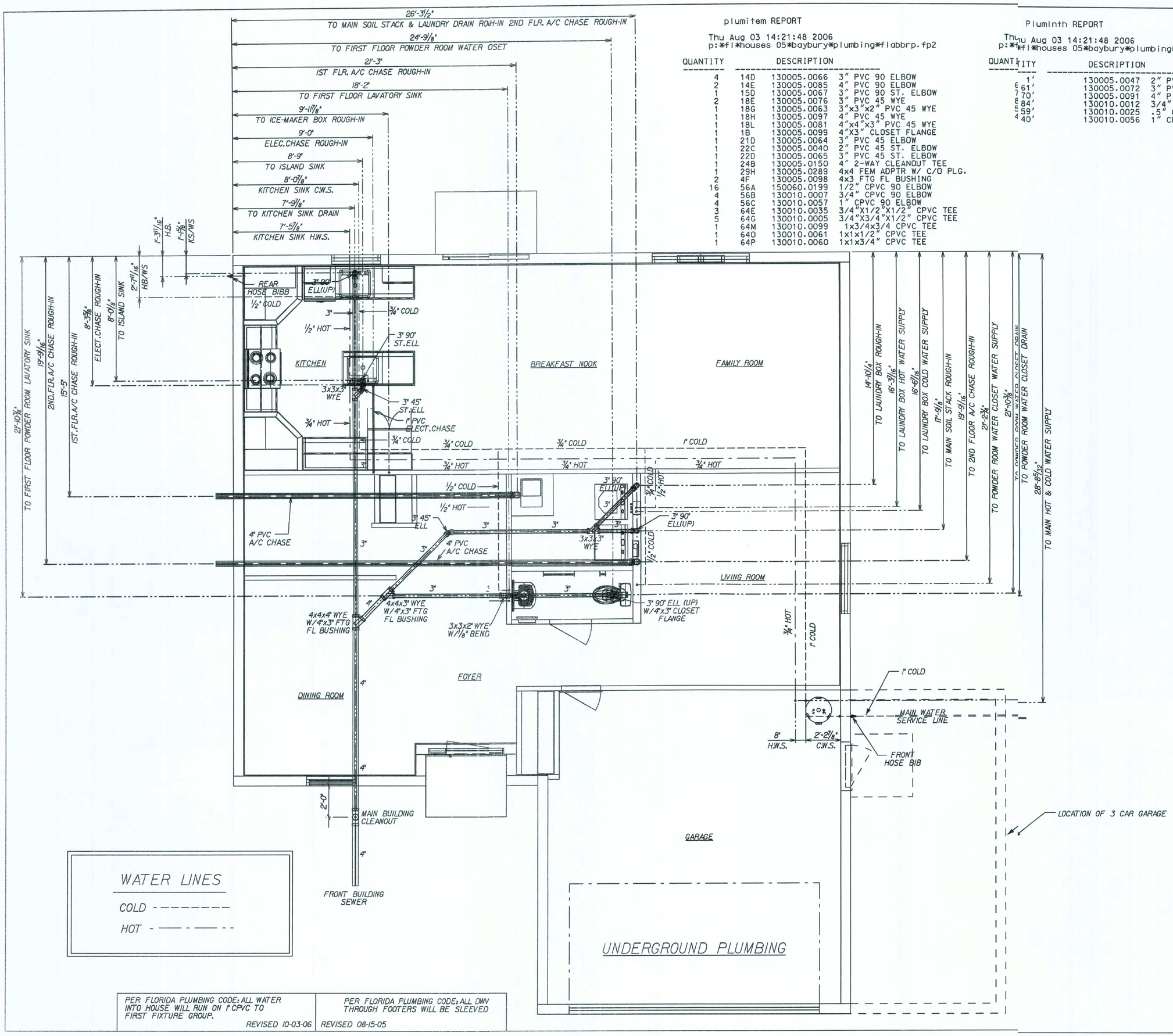
DRAWN BY:

RELEASE DATE: 01/26/05

SHEET:
ISO-H

PLOT DATE: 22 MAY 2009
10:26:56
p:\houses05\baybury\hvac\flabbrh3.iso

FLORIDA BUILDING CODE 2007 :RESIDENTIAL



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

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

plumitem REPORT

Thu Aug 03 14:21:48 2006
p:*fl*houses 05*baybury*plumbing*flabbrp.fp2

QUANTITY			DESCRIPTION
4	14D	130005.0066	3" PVC 90 ELBOW
2	14E	130005.0085	4" PVC 90 ELBOW
1	15D	130005.0067	3" PVC 90 ST. ELBOW
2	18E	130005.0076	3" PVC 45 WYE
1	18G	130005.0063	3"x3"x2" PVC 45 WYE
1	18H	130005.0097	4" PVC 45 WYE
1	18L	130005.0081	4"x4"x3" PVC 45 WYE
1	1B	130005.0099	4"X3" CLOSET FLANGE
1	21D	130005.0064	3" PVC 45 ELBOW
1	22C	130005.0040	2" PVC 45 ST. ELBOW
1	22D	130005.0065	3" PVC 45 ST. ELBOW
1	24B	130005.0150	4" 2-WAY CLEANOUT TEE
1	29H	130005.0289	4x4 FEM ADPTR W/ C/O PLG.
2	4F	130005.0098	4x3 FTG FL BUSHING
16	56A	150060.0199	1/2" CPVC 90 ELBOW
4	56B	130010.0007	3/4" CPVC 90 ELBOW
4	56C	130010.0057	1" CPVC 90 ELBOW
3	64E	130010.0035	3/4"X1/2"X1/2" CPVC TEE
5	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 Aug 03 14:21:48 2006
p:*fl*houses 05*baybury*plumbing*flabbrp.fp2

QUANTITY		DESCRIPTION
1'	130005.0047	2" PVC PIPE
61'	130005.0072	3" PVC PIPE
70'	130005.0091	4" PIPE
84'	130010.0012	3/4" CPVC PIPE
59'	130010.0025	.5" CPVC PIPE
40'	130010.0056	1" CPVC PIPE

REVISIONS:

- AJ REV. 2nd FLR. A/C CHASE 11/30/05 T.J.T.
- 05-30-06 ADDED 3CAR GARAGE
- 08/03/06 REV. CLEANOUT & BOM LIST TJM
- REV. SOIL STACK, LRDY. RM. DRAIN, & A/C CHASE. (09/21/06) A.H.
- 03-01-09 REV. CODE INFORMATION

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

FLORIDA 04 THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

UNGRD PLBG

BAYBURY

4 BEDROOM

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 03-22-05

10:28:05

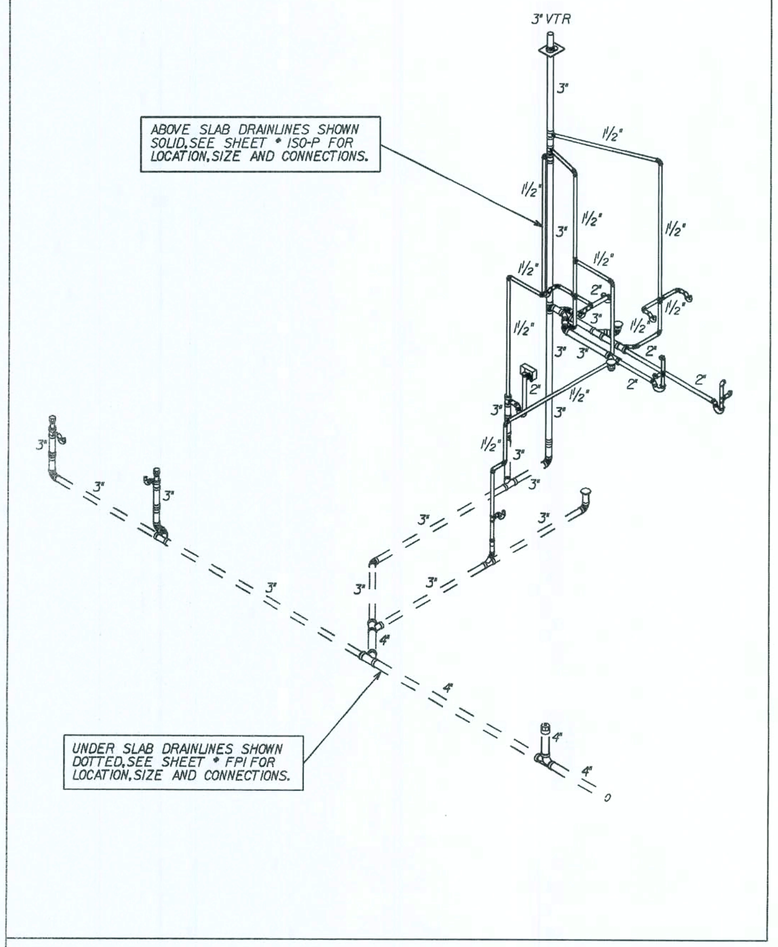
p:\houses_05\baybury\plumbing\flabbrp.fp2

PLOT DATE: 22 MAY 2009

SHEET: FP2

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

COMPLETE SANITARY PLUMBING DIAGRAM:



plumitem REPORT

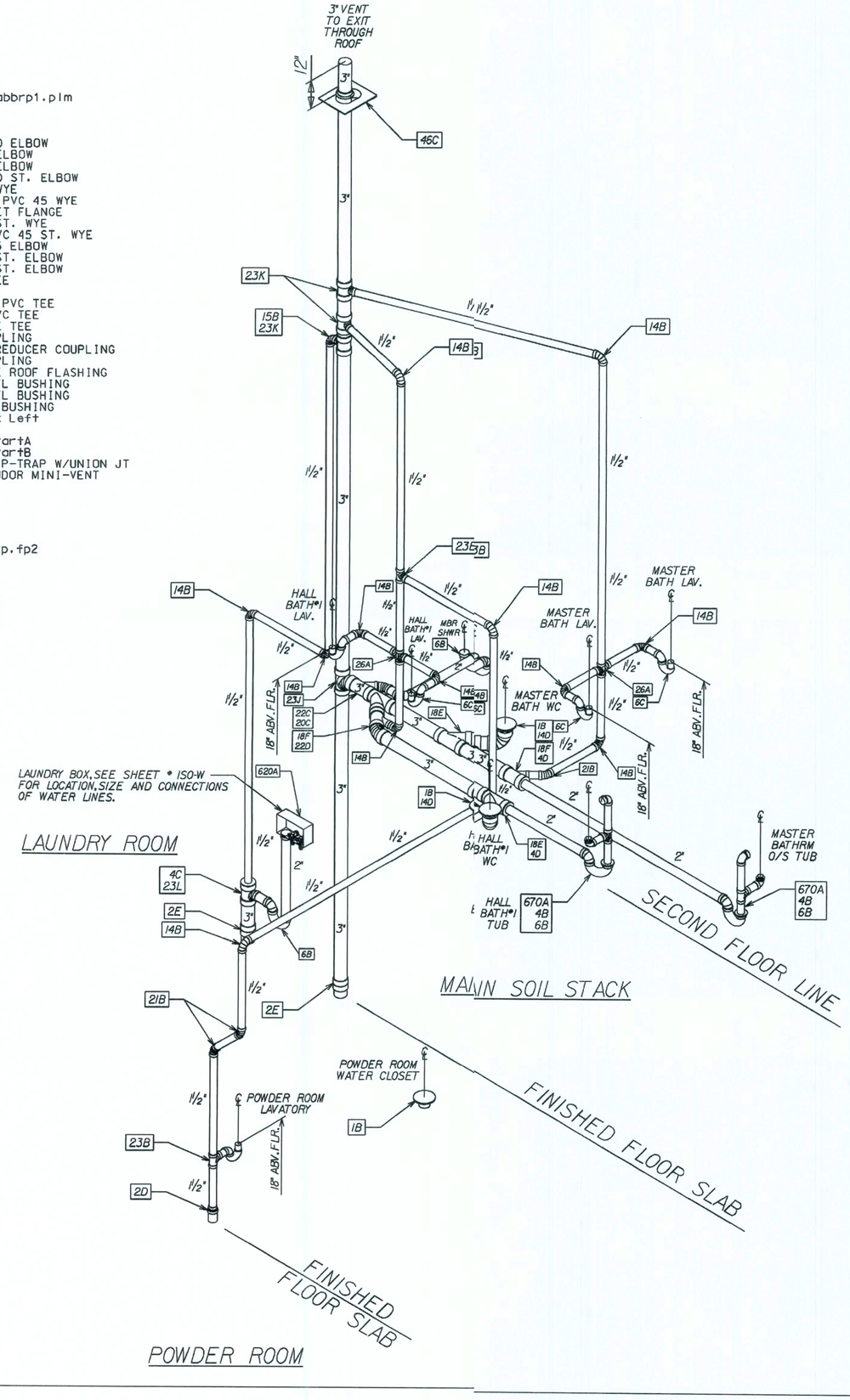
Mon Aug 28 13:57:36 2006
p:*fl*houses 05*baybury*plumbing*flabbrp1.plm

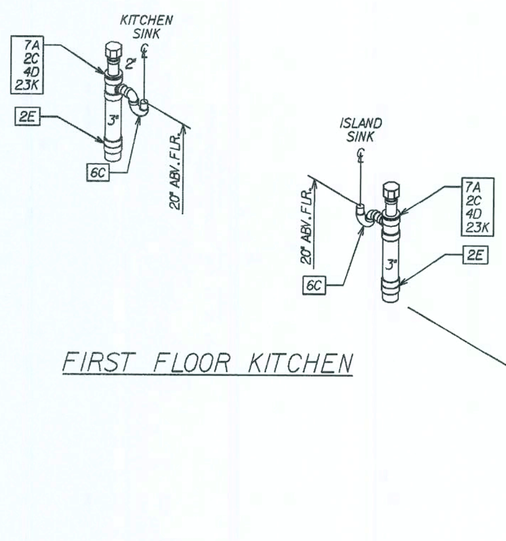
QANTITY			DESCRIPTION
13	14B	130005.0013	1.5" PVC 90 ELBOW
1	14C	130005.0041	2" PVC 90 ELBOW
2	14D	130005.0066	3" PVC 90 ELBOW
1	15B	130005.0015	1.5" PVC 90 ST. ELBOW
2	18E	130005.0076	3" PVC 45 WYE
2	18F	130005.0057	3"x3"x1.5" PVC 45 WYE
3	1B	130005.0099	4"X3" CLOSET FLANGE
1	20A	130005.0262	3" PVC 45 ST. WYE
1	20C	130005.0264	3"x3"x2" PVC 45 ST. WYE
3	21B	130005.0010	1.5" PVC 45 ELBOW
1	22C	130005.0040	2" PVC 45 ST. ELBOW
1	22D	130005.0065	3" PVC 45 ST. ELBOW
2	23B	130005.0024	1.5" PVC TEE
1	23J	130005.0074	3" PVC TEE
5	23K	130005.0056	3"x3"x1.5" PVC TEE
1	23L	130005.0062	3"x3"x2" PVC TEE
2	26A	130005.0727	1.5" DOUBLE TEE
2	2C	130005.0043	2" PVC COUPLING
1	2D	130005.0033	2x1.5 PVC REDUCER COUPLING
4	2E	130005.0068	3" PVC COUPLING
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
4	4D	130005.0059	3x2 FTG FL BUSHING
1	620A	130035.0027	Laundry Box Left
1	6B	130005.0046	2" P-TRAP
3	6B	130005.0046	2" P-TRAP PartA
3	6B	130005.0046	2" P-TRAP PartB
7	6C	130005.0107	1.5"x1.25" P-TRAP W/UNION JT
2	7A	130005.0160	1.25-2" STUDOR MINI-VENT

Pluminth REPORT

Thu Aug 03 14:21:48 2006
p:*fl*houses 05*baybury*plumbing*flabbrp.fp2

QANTITY	DESCRIPTION	
1'	130005.0047	2" PVC PIPE
61'	130005.0072	3" PVC PIPE
70'	130005.0091	4" PIPE





REVISIONS :
08/28/06 REVD.KITCHEN SINK ASSEM.- TJM
03-01-09 REV. CODE INFORMATION

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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 2007 : RESIDENTIAL WITH 2009 SUPPLIMENT

DWV PLUMBING ISO

BAYBURY

4 BEDROOM

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 10:28:08

PLOT DATE: 22 MAY 2009

D:\houses_05\baybury\plumbing\flabbrp.iso

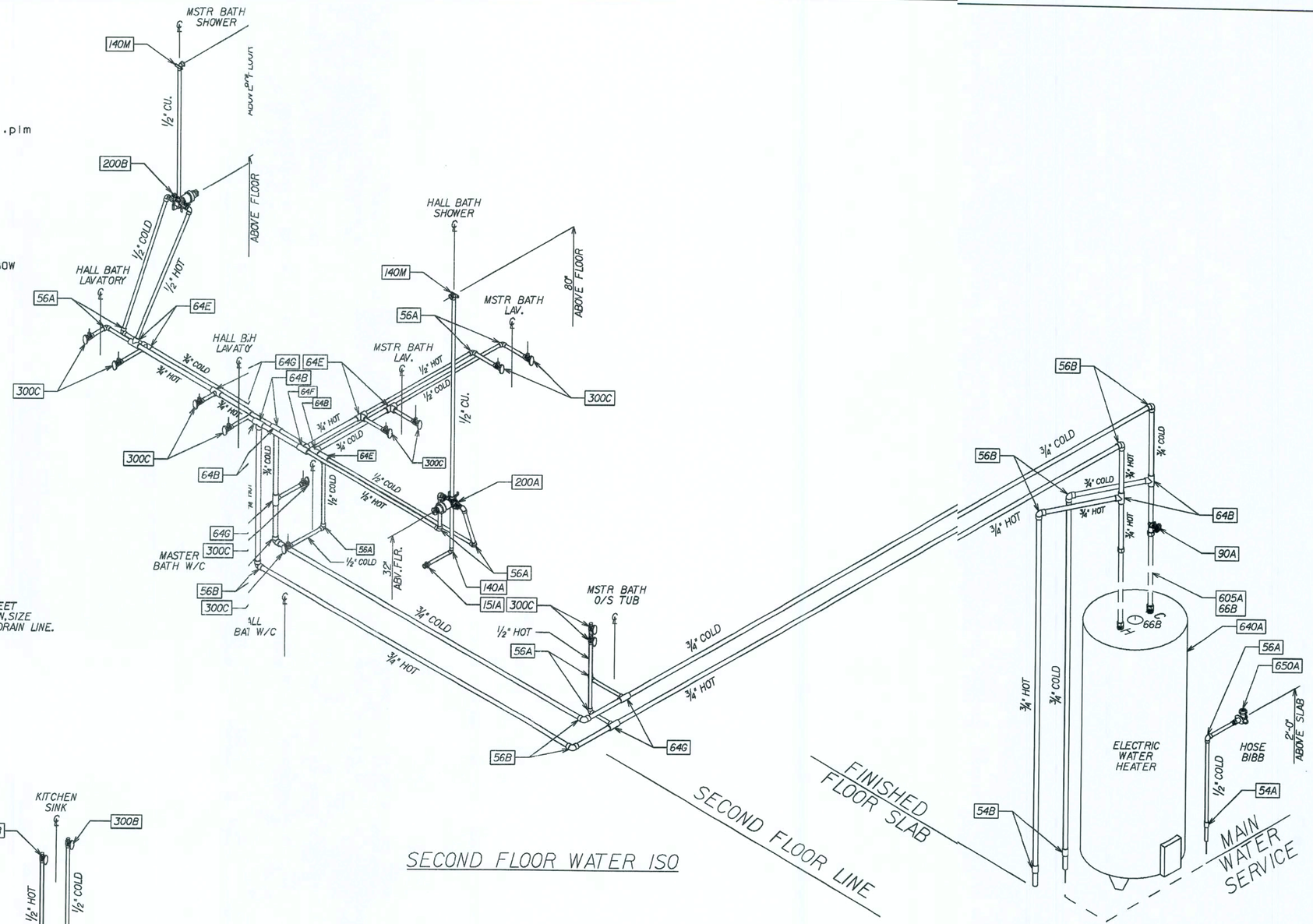
SHEET:
ISO-P

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

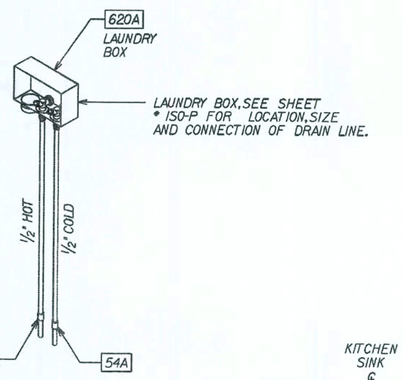
plumitem REPORT

Fri Apr 29 10:37:52 2005
p:*fl*houses 05*baybury*plumbing*flabbrp1.plm

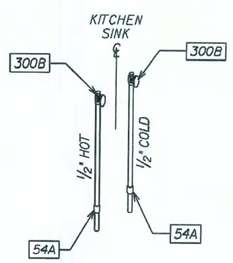
QUANTITY	DESCRIPTION
1	140A 90 ELL Cu 1/2"
2	140M 90 ELL Cu 1/2 Drop
1	151A Adapter Male Cu 1/2"
1	200A Tub Diverter
1	200B Shower Diverter
6	300B Straight Valve 1/2" x 3/8"
13	300C Angle Valve 1/2" x 3/8"
11	54A CPVC COUPLING .5
2	54B CPVC COUPLING .75
14	56A 150060.0199 1/2" CPVC 90 ELBOW
8	56B CPVC EL90 .75
4	58A CPVC EL90 STREET .5
2	605A Corr Gas App Conn
1	620A Laundry Box Left
1	630A Ice Maker Box
1	640C Water Heater - Elec - OH
5	64B CPVC TEE .75
5	64E CPVC TEE .75x.5x.5
1	64F CPVC TEE .75x.5x.75
5	64G CPVC TEE .75x.75x.5
2	650A Hose Bib
2	66B CPVC MALE ADAPTER BRS THR .75
1	90A Shut-Off Valve
55'	.5" CPVC PIPE
75'	.75" CPVC PIPE
8'	1/2" Cu Pipe

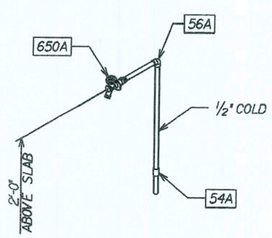


SECOND FLOOR WATER ISO

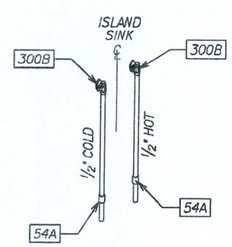


LAUNDRY BOX ISO

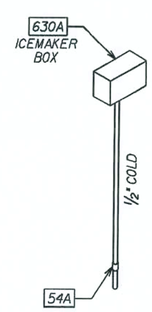


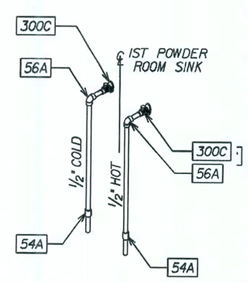


REAR HOSE BIB (TYPICAL)

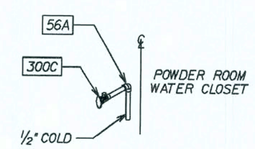


KITCHEN ISOMETRIC





FIRST FLOOR POWDER ROOM



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

REVISIONS :

03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

p:\houses_05\baybury\plumbing\flabbrw.iso

CPVC WATER ISO

BAYBURY

4 BEDROOM

GARAGE: RIGHT

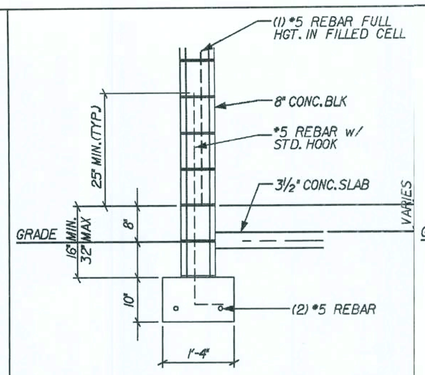
DRAWN BY:

RELEASE DATE: 10/28/10

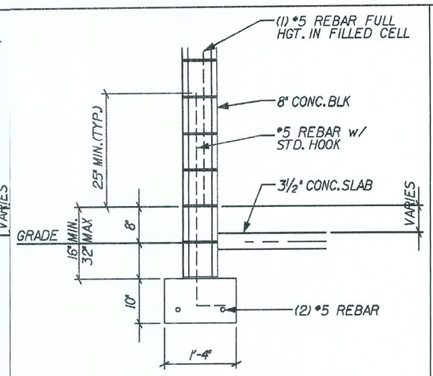
PLOT DATE: 22 MAY 2009

SHEET: ISO-W

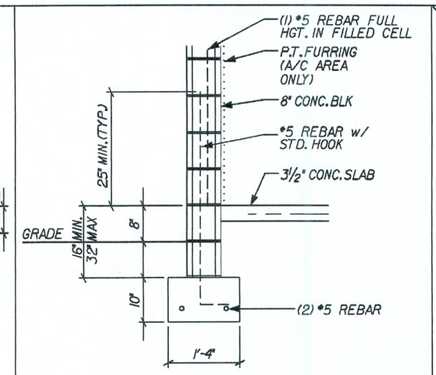
FLORIDA BUILDING CODE 2007 : RESIDENTIAL



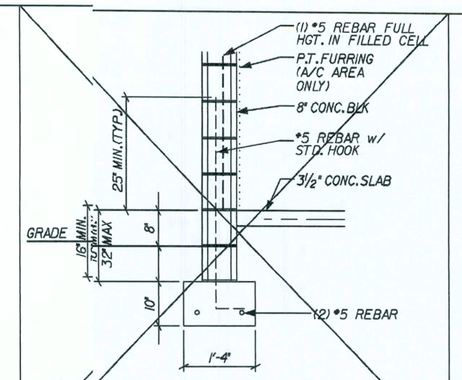
G2 GARAGE 2-STORY
REVISED 11-07-06 DELETED STONE LEDGE
SCALE: ½" = 1'-0"



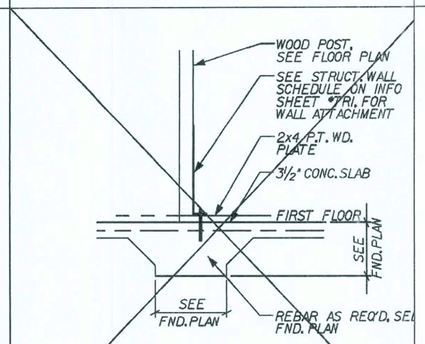
G GARAGE 1-STORY
REVISED 11-07-06 DELETED STONE LEDGE
SCALE: ½" = 1'-0"
3 CAR GARAGE ONLY



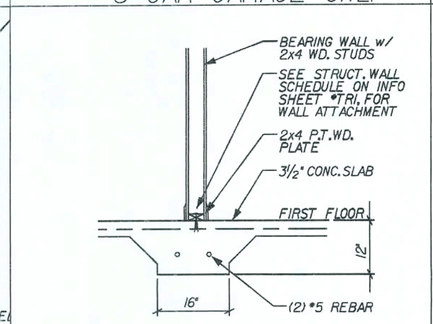
A2 TYPICAL 2-STORY
REVISED 11-07-06 DELETED STONE LEDGE
SCALE: ½" = 1'-0"



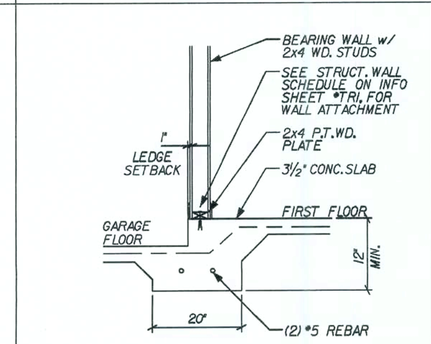
A TYPICAL 1-STORY
REVISED 11-07-06 DELETED STONE LEDGE
SCALE: ½" = 1'-0"
NOT USED



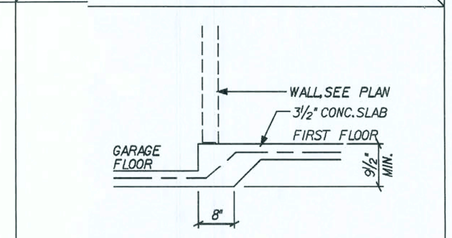
J INTERIOR BEARING POST
SCALE: ½" = 1'-0"
NOT USED



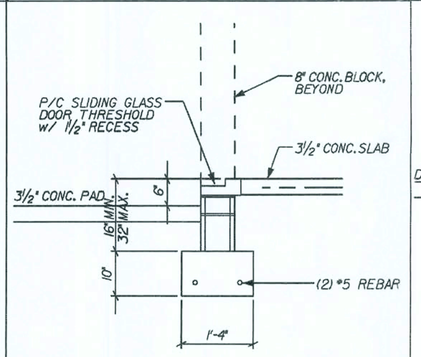
I INTERIOR BEARING
SCALE: ½" = 1'-0"



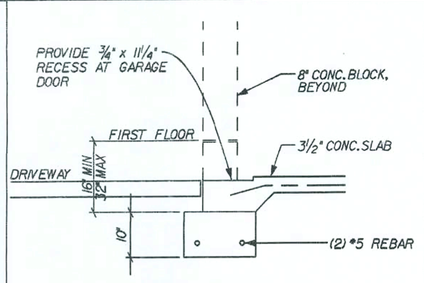
H STEP/BEARING
REVISED 01-31-05
SCALE: ½" = 1'-0"



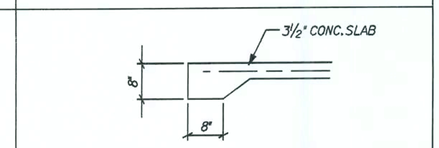
F STEP/NON-BEARING
SCALE: ½" = 1'-0"



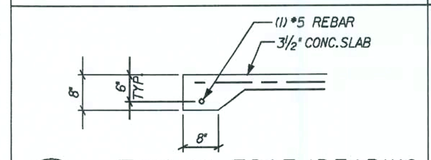
S RECESS @ SLIDER
REVISED 05-06-05
SCALE: ½" = 1'-0"



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

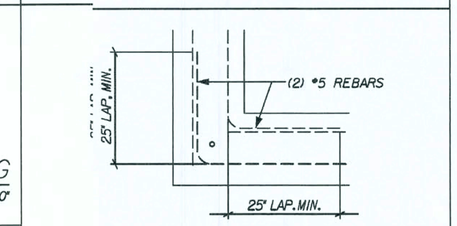


N THICK'N EDGE
SCALE: ½" = 1'-0"

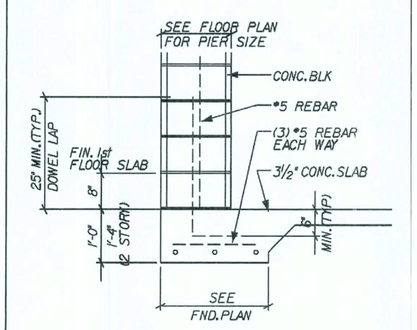


P THICK'N EDGE/BEARING
SCALE: ½" = 1'-0"

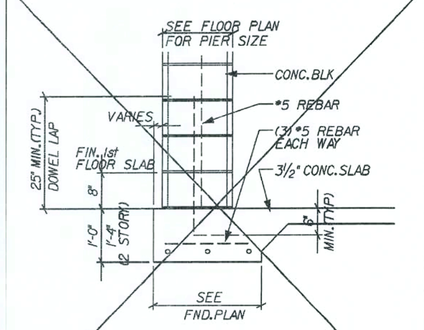
TYP. PIPE PENETRATION
REVISED 06-01-06 ADDED DETAIL
SCALE: ½" = 1'-0"



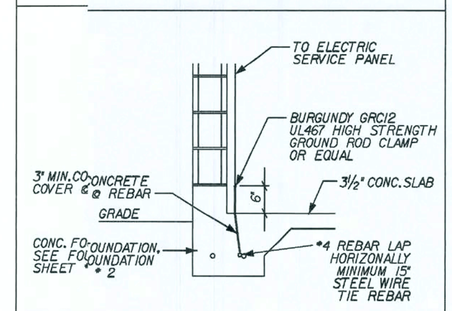
TYP. FTNG @ CORNERS
REVISED 04-07-08 ONE CORNER DETAIL
SCALE: ½" = 1'-0"



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



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



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

REVISIONS:
05-22-09 REV. FOOTING TO STEM WALL
03-01-09 REV. CODE INFORMATION

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

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FOOTINGS

BAYBURY

GARAGE:
DRAWN BY:
RELEASE DATE: 03-22-05

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

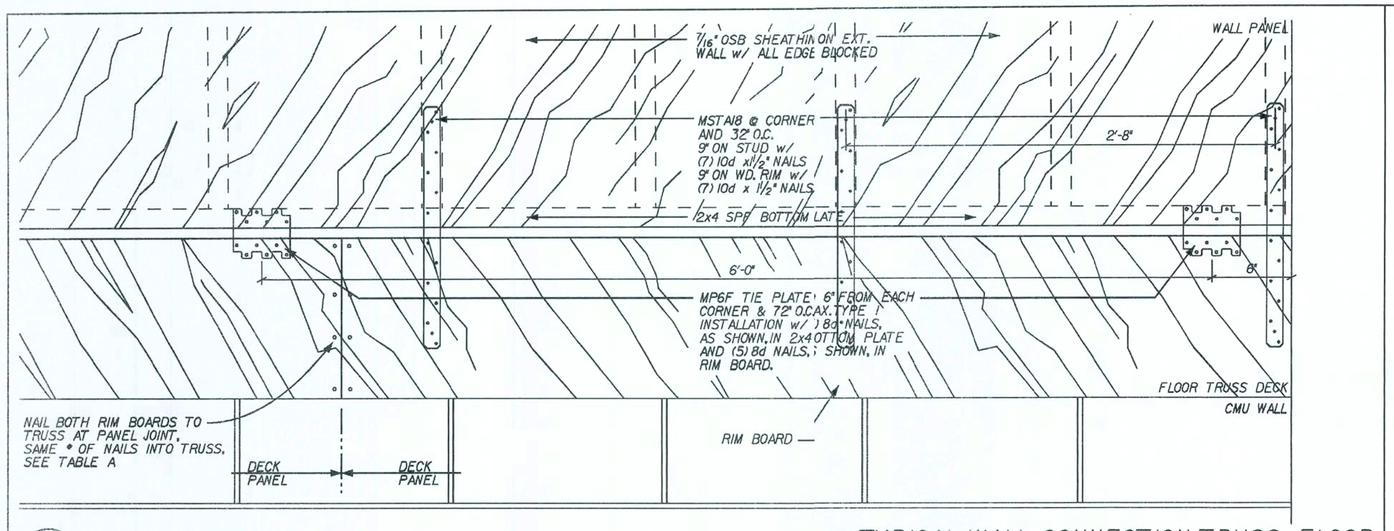
Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:
FTG

PLOT DATE: 22 MAY 2009 10:23:48

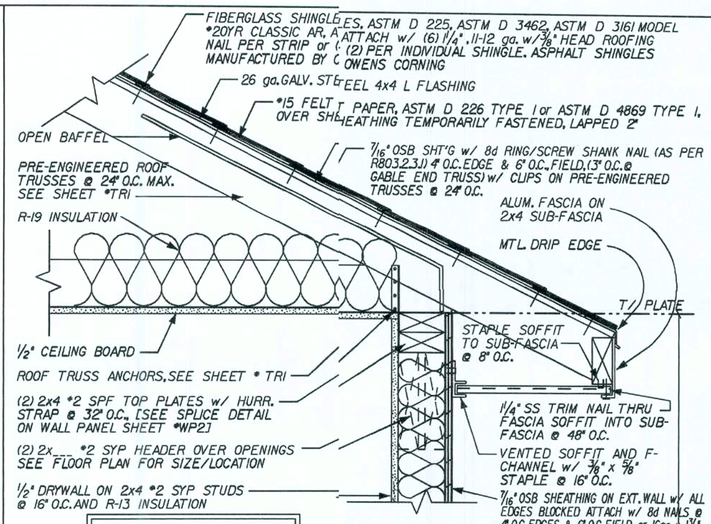
P:\N\houses_05\baybury\dft\bbr-std.ftg

FLORIDA BUILDING CODE 2007 : RESIDENTIAL



J — TYPICAL WALL CONNECTION-TRUSS FLOOR

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

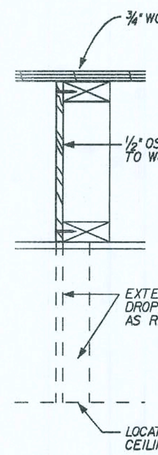


ROOF TRUSS END CONDITION MAY VARY, SEE ENGINEER'G

C — WALL SECTION-FRAMED ROOF

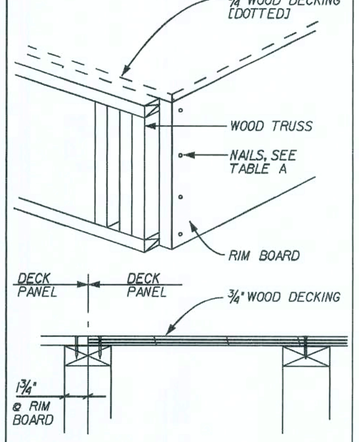
REVISED 02-20-08 R-13 INSULATION

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



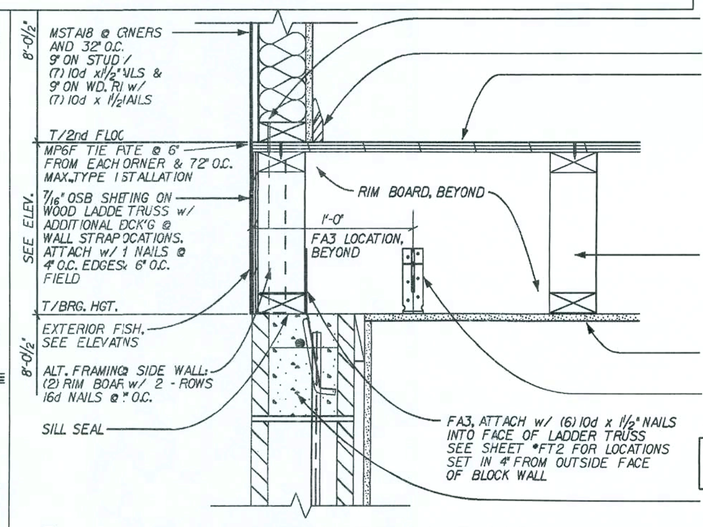
H — DRAFT STOPPING-TRUSS FLOOR

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



G — DECK CONNECTION @ PANEL JOINT TRUSS FLOOR

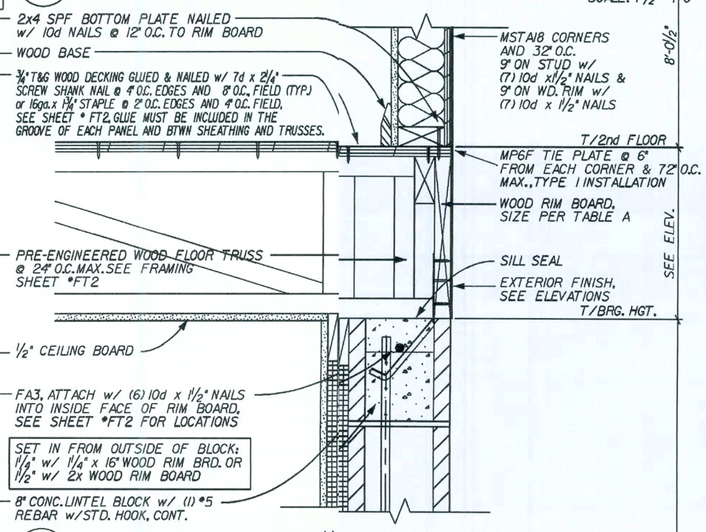
SCALE: 1 1/2" = 1'-0"



E — PARTIAL SECTION-TRUSS FLOOR SIDE WALL

REVISE 11-19-08 FDO-->FT2

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



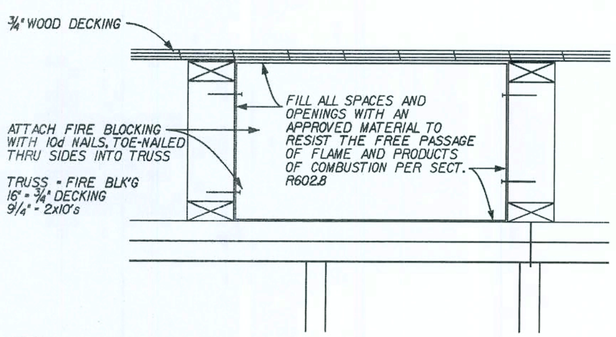
B — WALL SECTION-TRUSS FLOOR

REVISED 11-19-08 FDO -> FT2

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

TABLE A

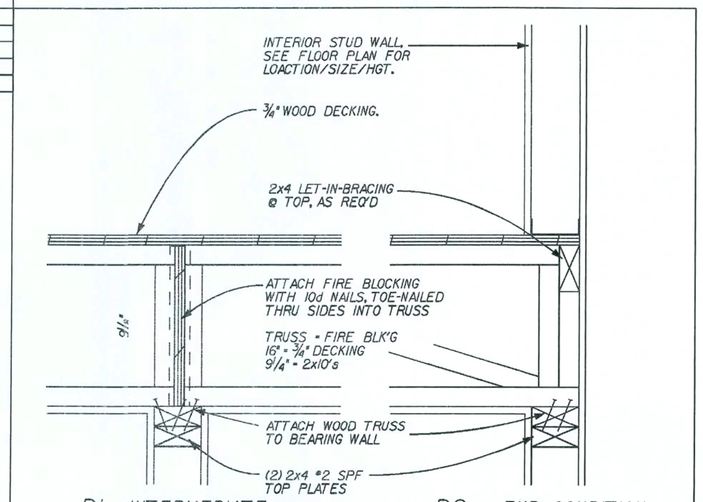
TRUSS DEP.	RIM BD.	# NAILS, RIM BRD. TO FLOOR TRUSS
9 1/4"	2x10	(4) 10d NAILS
11 1/4"	2x12	(6) 10d NAILS
16"	1 1/4" x 16"	(6) 10d NAILS



F — FIRE BLOCKING-TRUSS FLOOR

REVISED 05-05-06 REV. NOTE @ OPENINGS

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

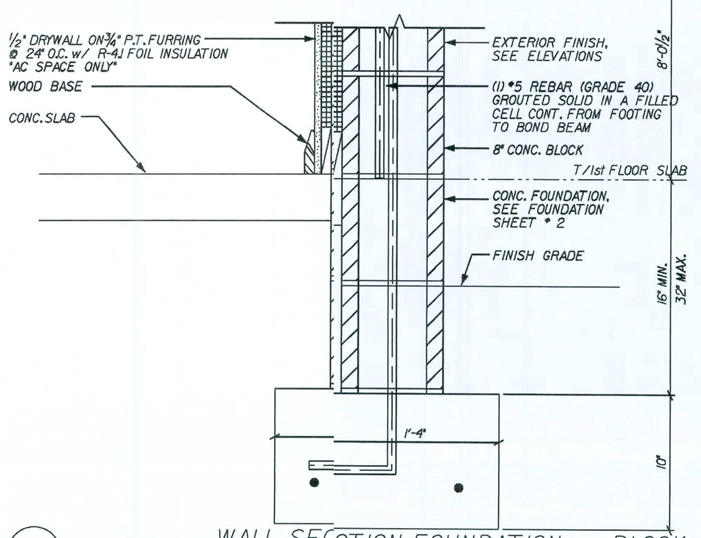


D1 @ INTERMEDIATE D2 @ END CONDITION

D — TYPICAL INTERIOR BEARING WALL-TRUSS FLOOR

REVISE 01-04-07 LET-IN RACING NOTE

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



A — WALL SECTION-FOUNDATION @ BLOCK

REVISED 05-20-09 MONO SLAB -> STEM WALL

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

REVISIONS :

03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2008 SUPPLEMENT

TWO STORY WALL SECTIONS

BAYBURY

GARAGE:

DRAWN BY:

RELEASE DATE: 03-22-05

10.2.3.51

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4005 Maronda Way
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(407)321-0064

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

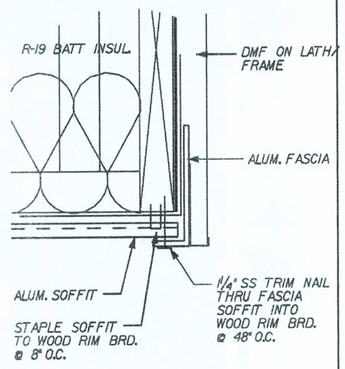
SHEET:

WS-S1

PLOT DATE: 22 MAY 2009

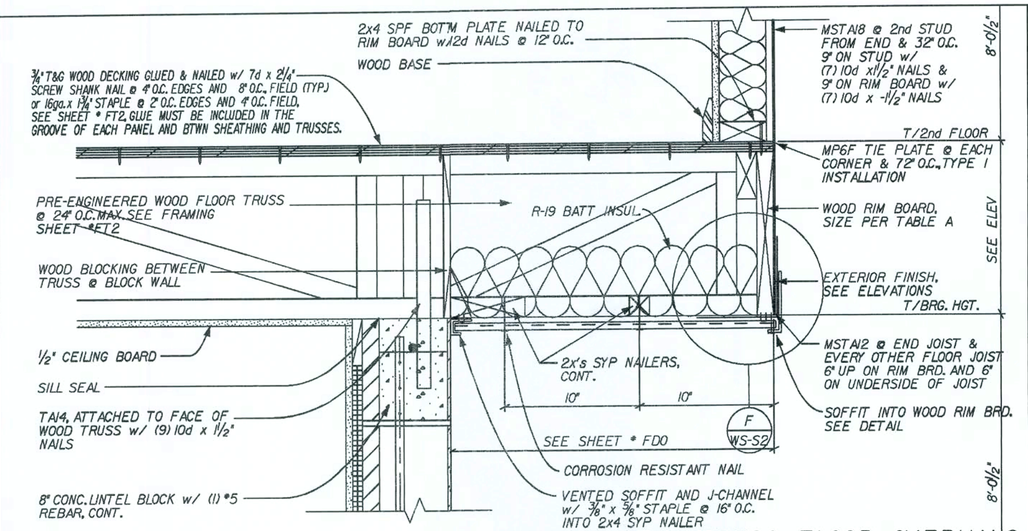
p:\Houses_05\baybury\dft\std_ws-s1.sws

FLORIDA BUILDING CODE 2007 : RESIDENTIAL



F SOFFIT CONNECTION-TRUSS FLOOR

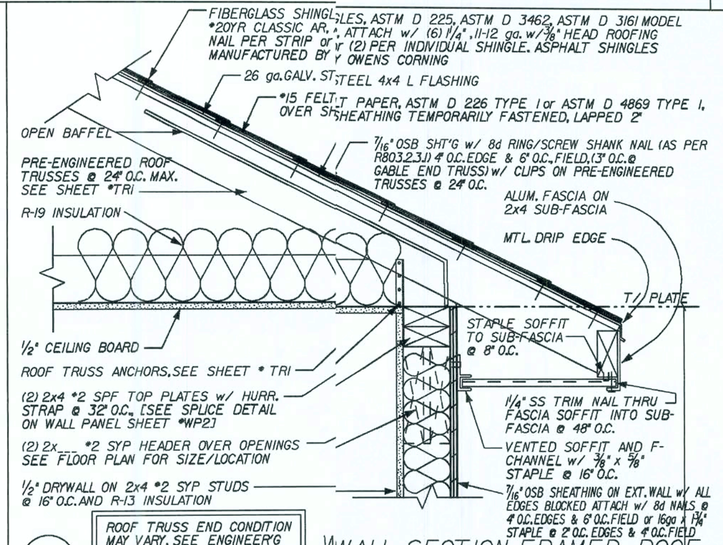
SCALE: 3" = 1'-0"



E WALL SECTION-TRUSS FLOOR OVERHANG

REVISED 05-02-07 FLOOR DECK NAIL'G

SCALE: 1½" = 1'-0"

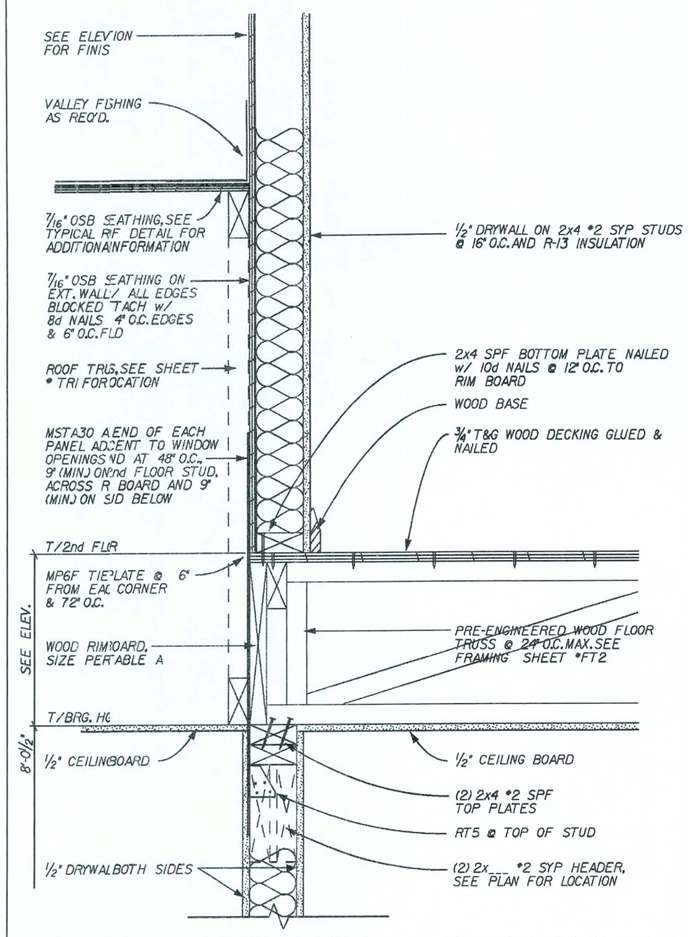


C WALL SECTION-FRAMED ROOF

REVISED 02-20-08 R-13 INSULATION

SCALE: 1½" = 1'-0"

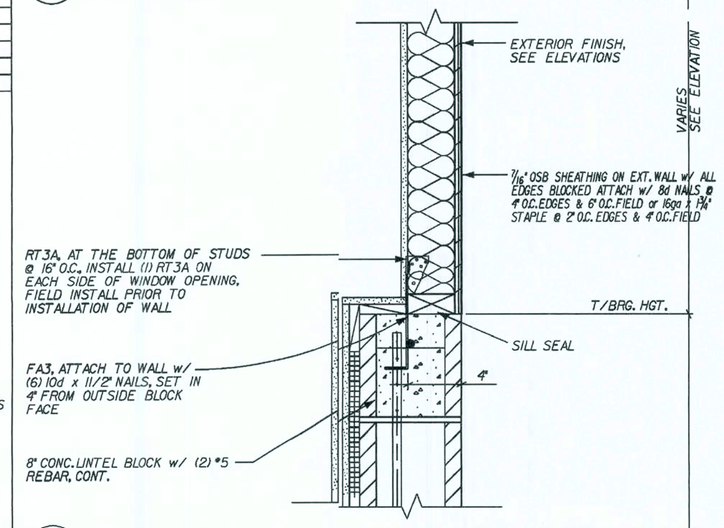
TABLE\		
TRUSS DEP.	R BD.	* NAILS, RIM BRD. TO FLOOR TRUSS
9¼"	1x10	(4) 10d NAILS
11¼"	1x12	(6) 10d NAILS
16"	¼" x 16"	(6) 10d NAILS



D PARTIAL SECTION-TRUSS FLOOR/BEARING WALL

RESED 02-20-08 R-13 INSULATION

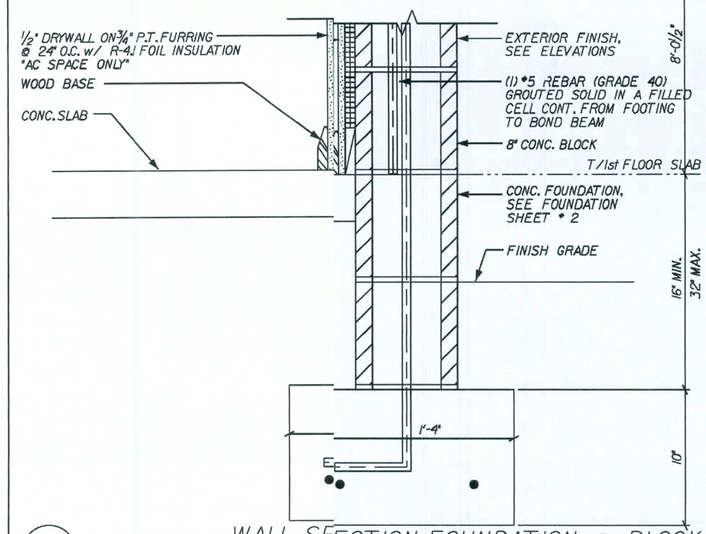
SCALE: 1½" = 1'-0"



B WALL SECTION-OPEN SPACE

REVISED 10-25-07 - RT3A AND FA3

SCALE: 1½" = 1'-0"



A WALL SECTION-FOUNDATION @ BLOCK

REVISED 05-20-09 MONO SLAB -> STEM WALL

SCALE: 1½" = 1'-0"

REVISIONS :

03-01-09 REV. CODE INFORMATION

Maronda Homes

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TWO STORY | WALL SECTIONS

BAYBURY

GARAGE:

DRAWN BY:

RELEASE DATE: 03-22-05

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

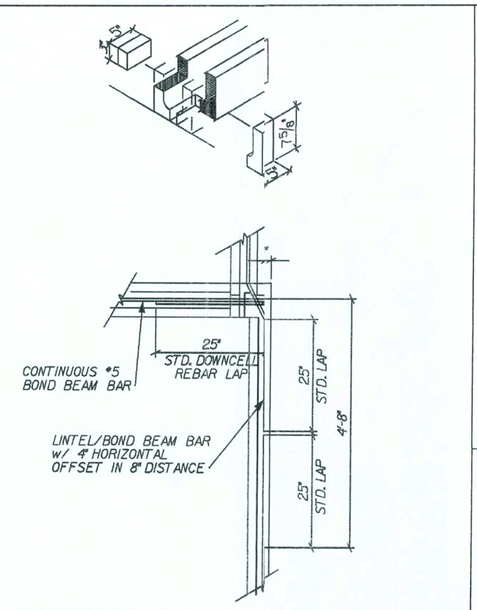
SHEET:

WS-S2

PLOT DATE: 22 MAY 2009 10:23:52

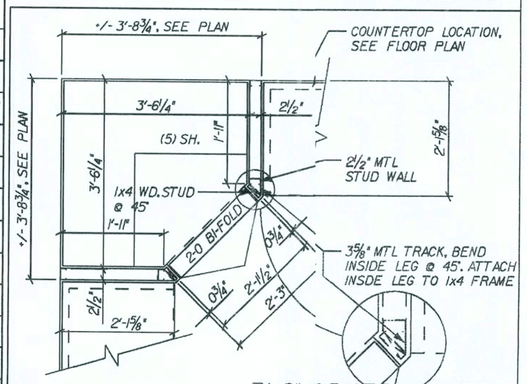
FLORIDA BUILDING CODE 2007 : RESIDENTIAL

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 3½" " 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
TAI2 TA 12/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	11150
USC3F	USP	TRUSS (8) 10d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	11150
USC73	USP	TRUSS (8) 16d (4)¾" EXP. BOLTS #6170 2¾" EMBEDDED	11150
UGTS63	USP	TRUSS (8) 16d (2)¾" ANC. BOLTS 2¾" EMBEDDED	6170



MODIFIED LINTEL @FRONT PORCH

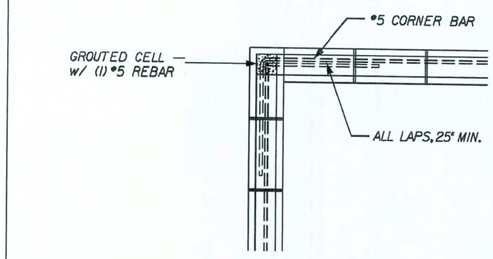
SCALE: N.T.S.



3'-8" ORNER PANTRY

REVISED 03-15-07
OUTSIDE DIM's

SCALE: ½" = 1'-0"

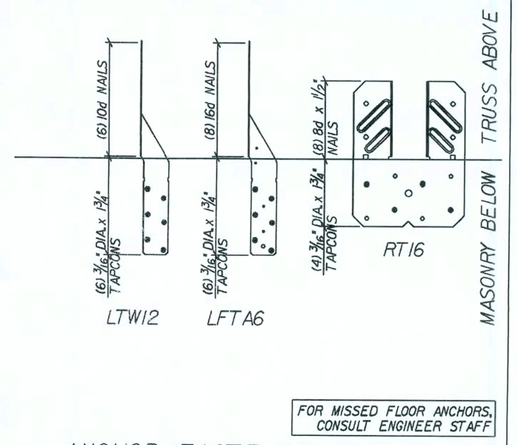


TYPICAL BOND BEAM @ CORNER

REVISED 04-22-05

SCALE: ½" = 1'-0"

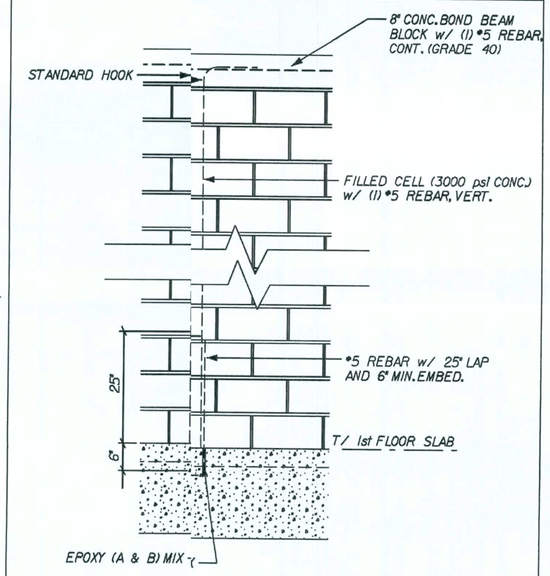
CONNECTOR	MAX. UPLIFT
LTW12	775 LBS
LFTA6	990 LBS
RT16	700 LBS



FOR MISSED FLOOR ANCHORS, CONSULT ENGINEER STAFF

ANCHOR FASTENING SCHEDULE
MISSED ROOF TIE DOWN REPAIR

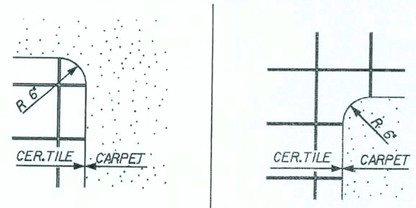
SCALE: N.T.S.



MISSED DOWN ROD REPAIR

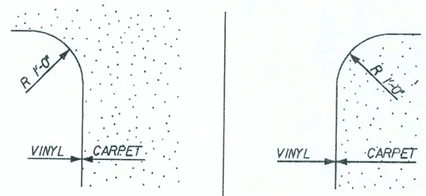
SCALE: ½" = 1'-0"

CERAMIC TILE TO CARPET



OUTSIDE CORNER INSIDE CORNER

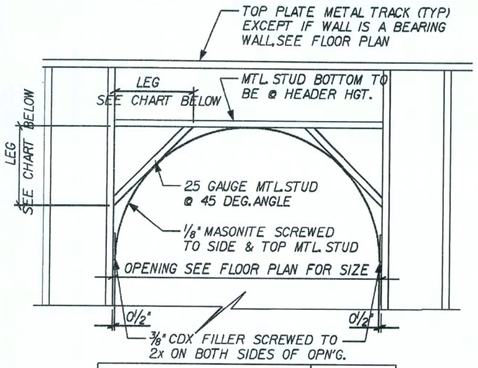
VINYL TO CARPET



OUTSIDE CORNER INSIDE CORNER

FLOOR EDGE CORNER DETAIL

SCALE: ½" = 1'-0"

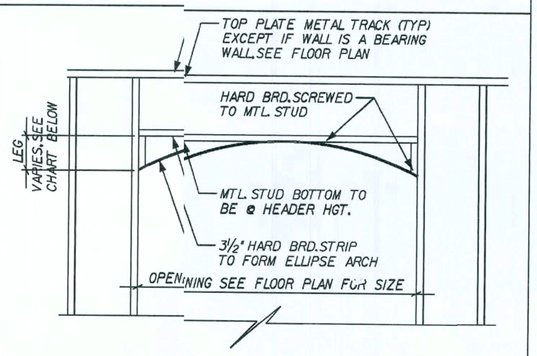


OPENING	LEGS
2'-1" - 2'-0" ARCH OPENING	7½"
2'-7" - 2'-6" ARCH OPENING	9¼"
2'-9" - 2'-8" ARCH OPENING	9 3/16"
3'-1" - 3'-0" ARCH OPENING	11"
4'-1" - 4'-0" ARCH OPENING	14½"
-	-

INTERIOR CURVED ARCH

REV. 10-06-08

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"

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

REVISIONS :
12-13-06 ADDED LINTEL DETAIL @ PORCH

03-01-09 REV. CODE INFORMATION

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, 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

STANDARD DETAILS

BAYBURY

GARAGE:

DRAWN BY:

RELEASE DATE: 03-22-05

10:23:53

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:
SD1

PLOT DATE: 22 MAY 2009

p:\houses_05\bayburry\dft\std_details.sdl

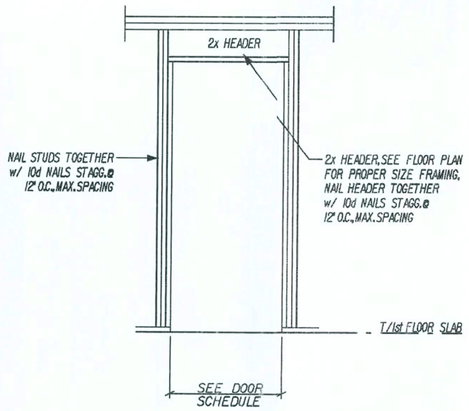
REVISED 07-02-08
REV. DOOR TO O.S.

DOOR SCHEDULE

DOOR TYPE	ACTUAL SIZE	ROUGH FRAME OPENING	ROUGH BLOCK OPENING 2" BUCK
2-0 STANDARD O.S.	25 1/2" x 80 5/8"	26" x 80 7/8"	29" x 82 3/8"
2-8 STANDARD O.S.	33 1/2" x 80 5/8"	34" x 80 7/8"	37" x 82 3/8"
2-10 STANDARD O.S.	35 1/2" x 80 5/8"	36" x 80 7/8"	39" x 82 3/8"
3-0 STANDARD I.S.	37 1/2" x 82"	38" x 82 1/4"	41" x 82 3/8"
3-0 w/SIDELIGHT I.S.	51 1/8" x 82"	51 5/8" x 82 1/4"	54 5/8" x 82 3/8"
3-0 w/(2) SIDELIGHT I.S.	64 1/2" x 82"	65" x 82 1/4"	68" x 82 3/8"
5-8 (2)2-10 FRENCH O.S.	70 1/2" x 80 5/8"	71" x 80 7/8"	74" x 82 3/8"

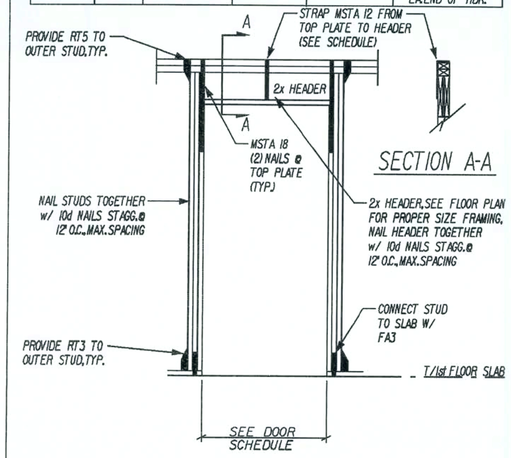
** FINISH OPENING IS DETERMINED BY ACTUAL SIZE +1/4" FOR HEIGHT
** FINISH OPENING IS DETERMINED BY ACTUAL SIZE +1/2" FOR WIDTH
** O.S.= OUTSWING
** I.S.= INSWING

MAX. OPN'G SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 7'-0" 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	

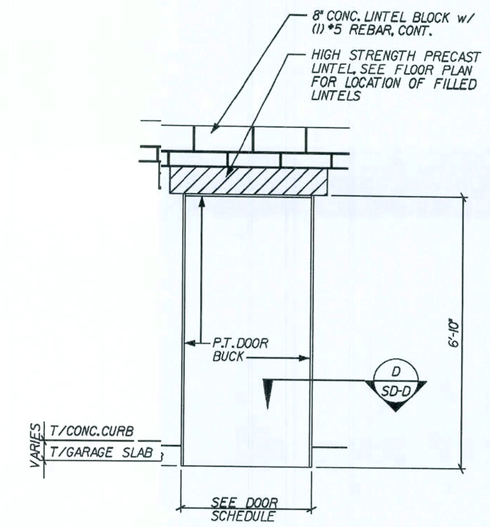


K STD.DOOR - WD FRAME,NO-UPLIFT
SCALE: N.T.S.

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.

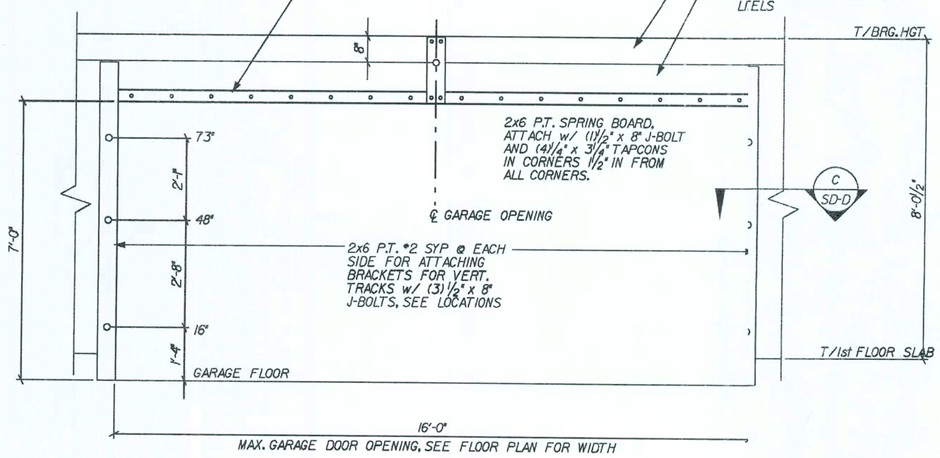


J STD.DOOR - WD FRAME,UPLIFT
SCALE: N.T.S.

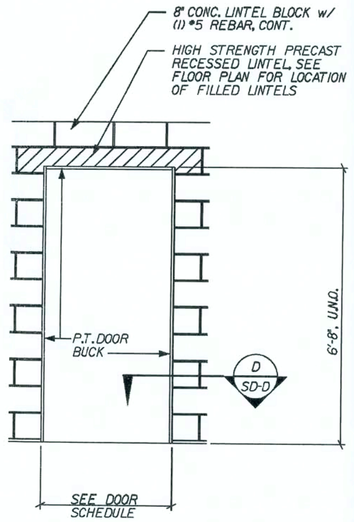


H OPTIONAL SERVICE DOOR
REVISED 08-12-04
SCALE: 3/8" = 1'-0"

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

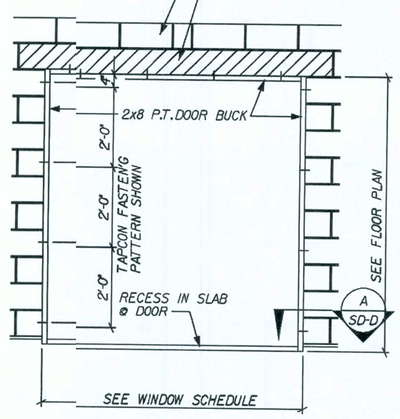


G GARAGE DOR ELEVATION
REVISED 06-258-08
ADDED NOTE FOR SPRING BOARD
SCALE: 3/8" = 1'-0"

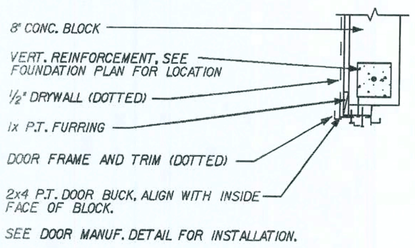


F STANDARD DOOR ELEVATION
SCALE: 3/8" = 1'-0"

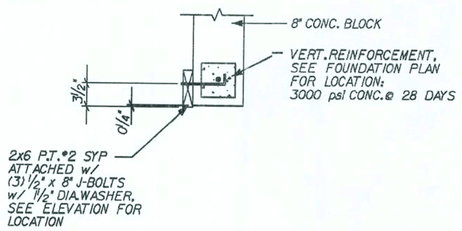
CONTRACTOR NOTE:
FOR INSTALLATION SIZES 5 OF NORANDEX SLIDING DOOR SERIES 500 UP TO 8'-0" x 6'-8" AS PER #96-0131J0 & SERIES 502 UP TO 8'-0" x 8'-0" MAX. (AS PER TEST #96-0608.2 20)



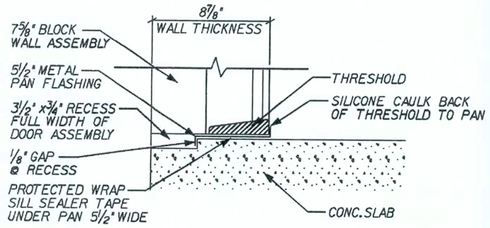
E SLIDING GLASS DOOR ELEVATION
SCALE: 3/8" = 1'-0"



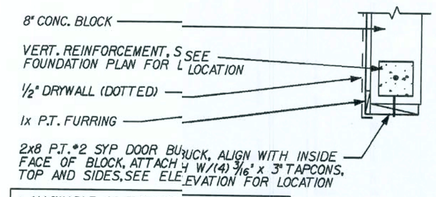
D 2x DOOR BUCK DETAIL
REVISED: 01-15-09
SCALE: 3/4" = 1'-0"



C GARAGE DOOR BUCK DETAIL
SCALE: 3/4" = 1'-0"



B DOOR PAN FLASHING
REVISED 06-08-06
NEW DETAIL
SCALE: 3/4" = 1'-0"



A SLIDING GLASS DOOR BUCK DETAIL
REVISED 10-21-04
SCALE: 3/4" = 1'-0"

REVISIONS :
07-07-06 ADDED DOOR PAN DETAIL
03-01-09 REV. CODE INFORMATION

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

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

DOORS STANDARD DETAILS
BAYBURY
GARAGE:
DRAWN BY:
RELEASE DATE: 03-22-05

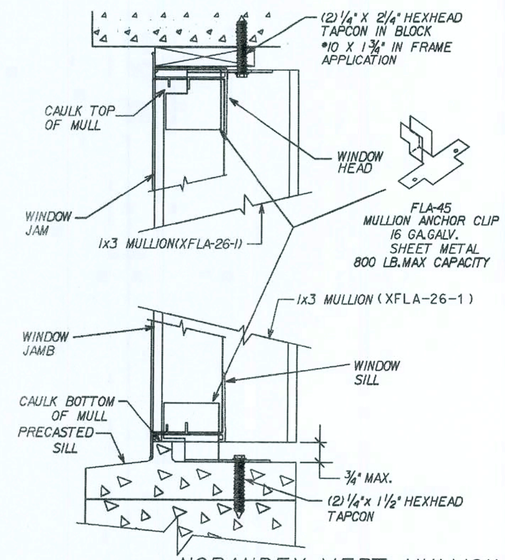
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:
SD-D

PLOT DATE: 22 MAY 2009 10:23:54
P:\Houses_03\baybury\dtl\std_doors.pdd

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

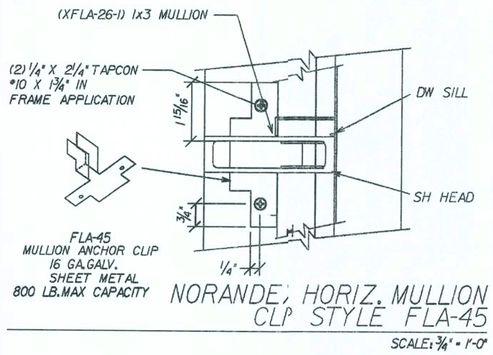


NORANDEX VERT. MULLION CLIP STYLE FLA-45

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

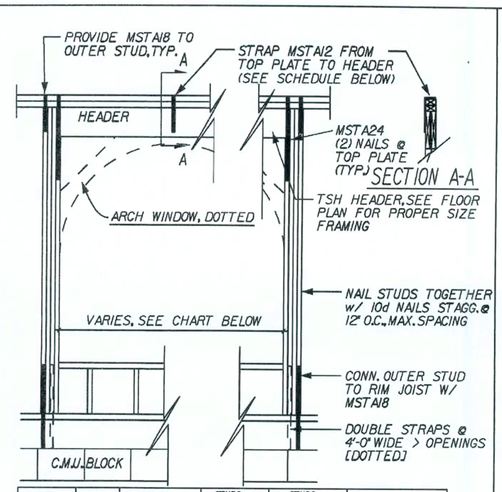
CONTRACTOR NOTE:
FOR INSTALLATION SIES OF NORANDEX WINDOW SRIES 437/438 UP TO 53 1/8 x 76 3/8" AS PER TEST #96-064.20

STANDARD WINDOW CTAILS IN BLOCK WALLS UP TO 0 FEET HIGH



NORANDE, HORIZ. MULLION CLP STYLE FLA-45

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

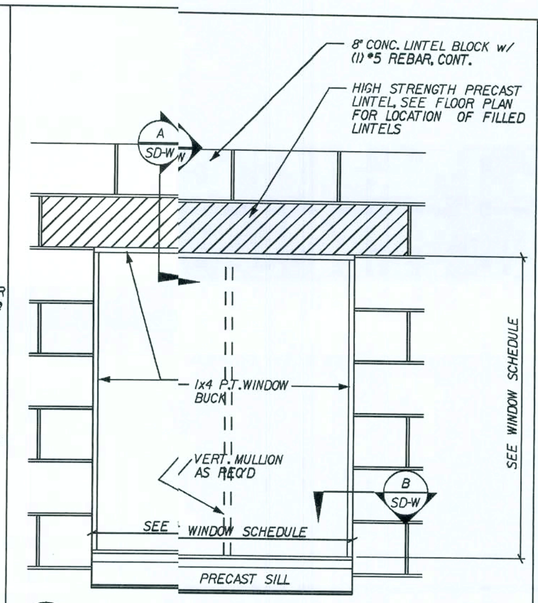


MAX. OPNG SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10'-0" MAX.HGT.	MSTA 12
2'-3"	(1)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	1	2	N/A
3'-3"	(1)		1	2	(1) @ CEN.OF HDR.
6'-3"	(2)		2	3	(1) @ 2'-0" OFF EA.END OF HDR.

K TYP.HEADER DETAIL-2ND FLOOR FRAMING

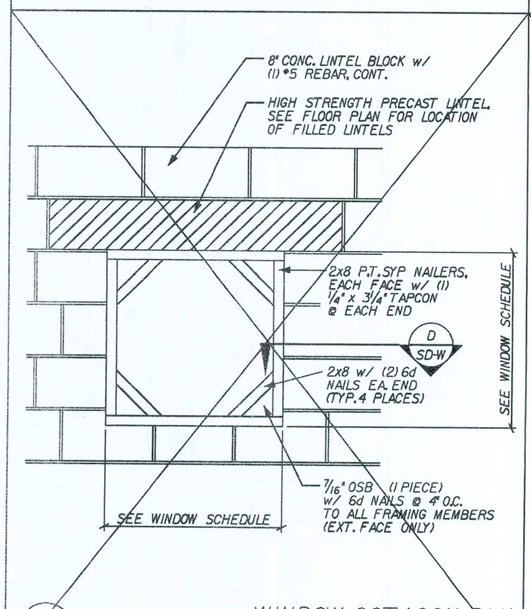
REVISED 06-06-07 : PER WALL PANELS

SCALE: N.T.S.



J WINDOW-STANDARD-BLK

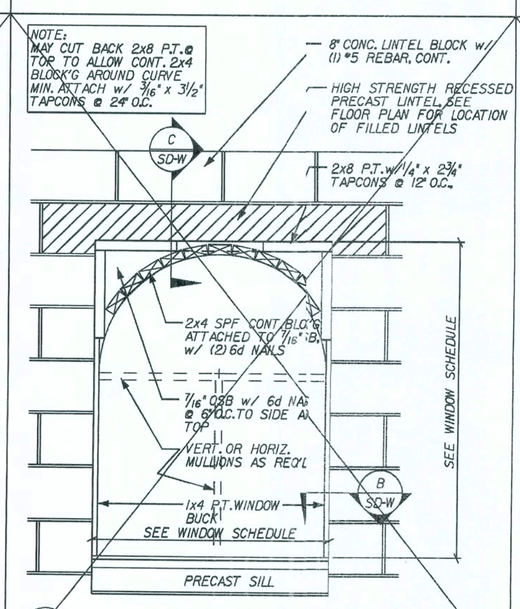
SCALE: 3/4" = 1'-0"



H WINDOW-OCTAGON-BLK

NOT USED

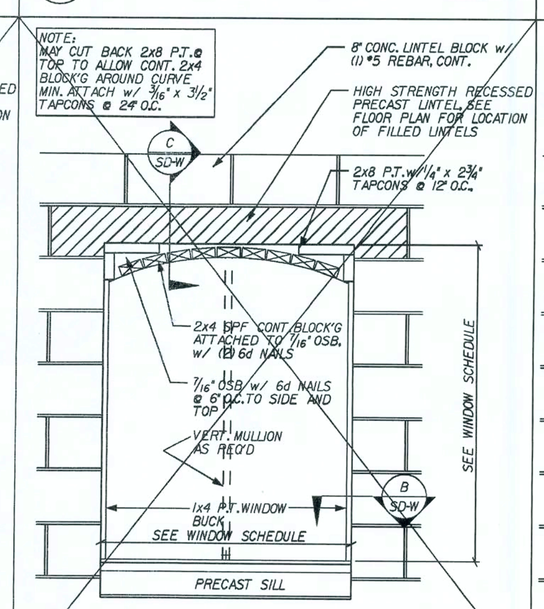
SCALE: 3/4" = 1'-0"



G WINDOW-1/2 ROUND TOP-BLK

NOT USED

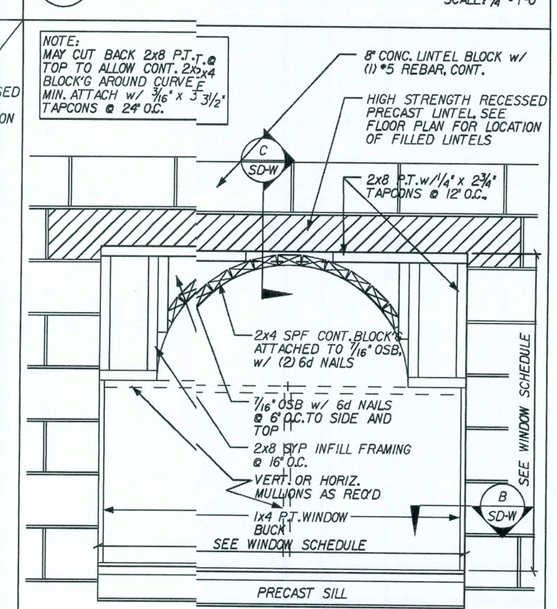
SCALE: 3/4" = 1'-0"



F WINDOW-EYEBROW-BLK

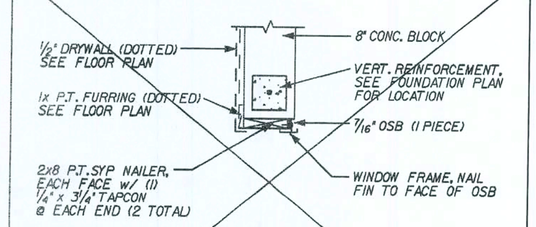
NOT USED

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



E WINDOW-COMBINATION-BLK

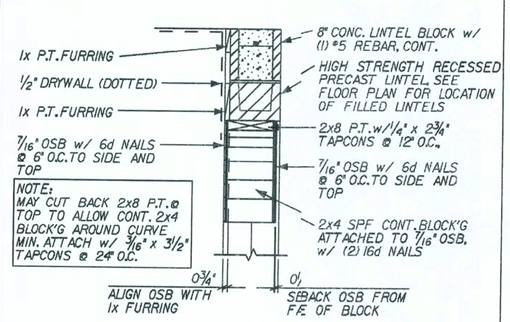
SCALE: 3/4" = 1'-0"



D WINDOW JAMB-OCTAGON-BLK

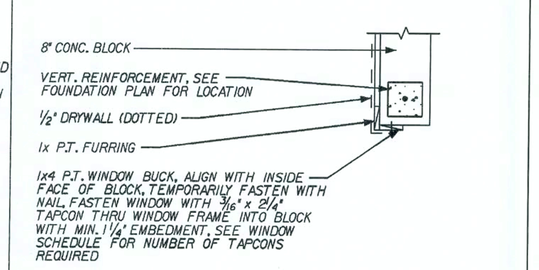
NOT USED

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



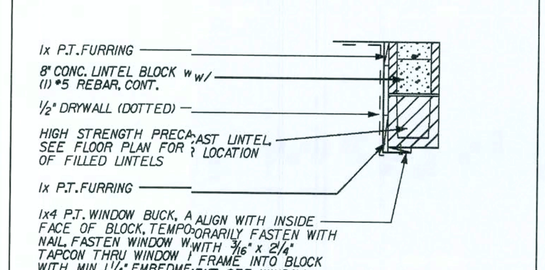
C WINDOW HEAD-ARCH WINDOW-BLK

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



B WINDOW JAMB-STANDARD-BLK

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



A WINDOW HEAD-STANDARD-BLK

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

REVISIONS :

03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLIMENT

WINDOWS STANDARD DETAILS

BAYBURY

GARAGE:

DRAWN BY:

RELEASE DATE: 03-22-05

PLOT DATE: 22 MAY 2009

10123355

P:\Houses_05\baybury\dt\std_windows.sdw

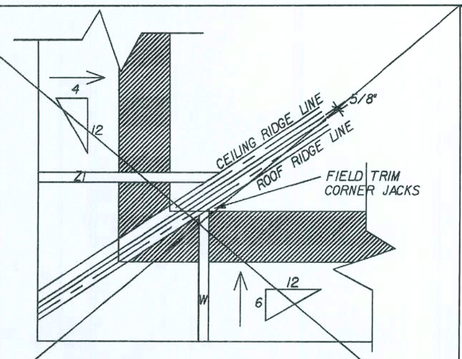
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:

SD-W

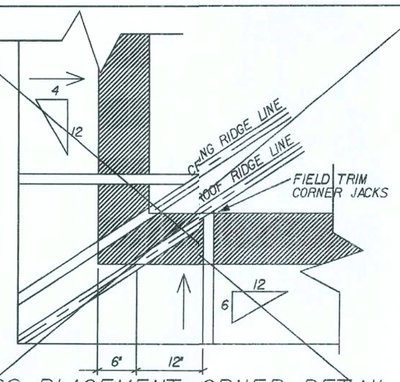
FLORIDA BUILDING CODE 2007 : RESIDENTIAL



TRUSS PLACEMENT CORNER DETAIL B

NOT USED

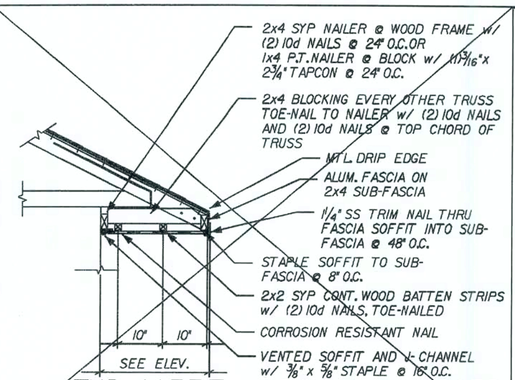
SCALE: N.T.S.



TRUSS PLACEMENT CORNER DETAIL A

NOT USED

SCALE: N.T.S.

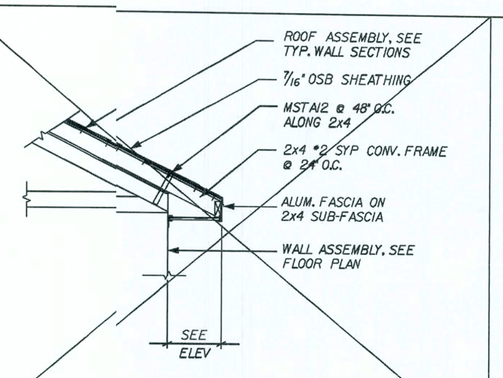


REVISED 01-11-05

TYP. SOFFIT @ 24" O.H. or LARGER

NOT USED

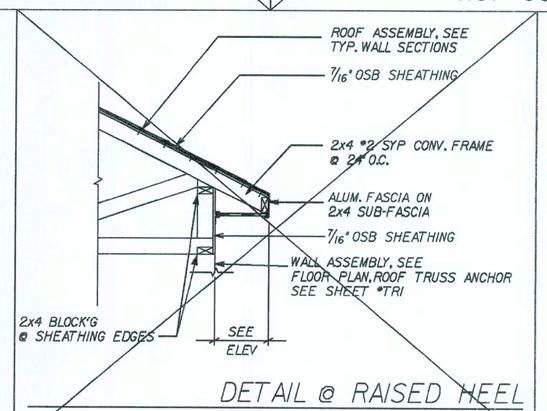
SCALE: 1/2" = 1'-0"



CONV. FRAMED HIP ROOF

NOT USED

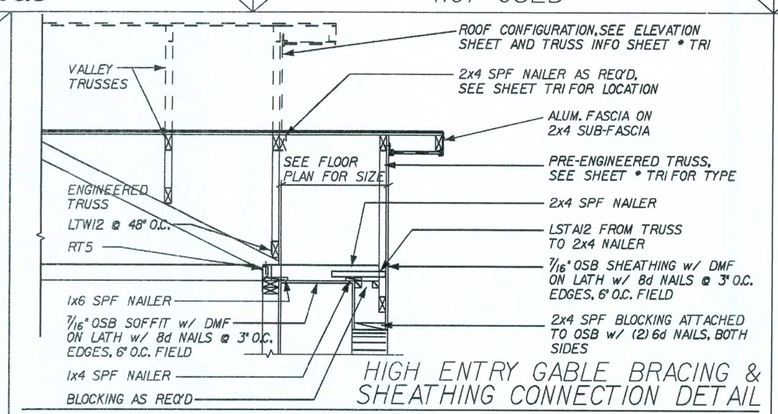
SCALE: 1/2" = 1'-0"



DETAIL @ RAISED HEEL

NOT USED

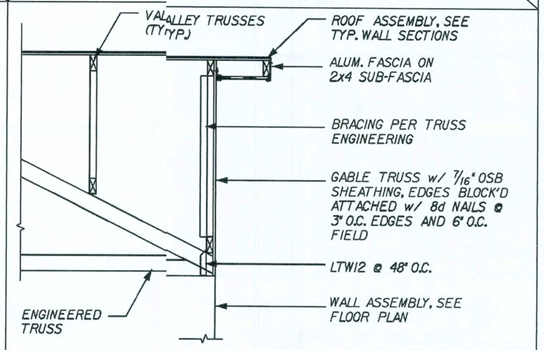
SCALE: 1/2" = 1'-0"



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

HIGH ENTRY GABLE BRACING & SHEATHING CONNECTION DETAIL

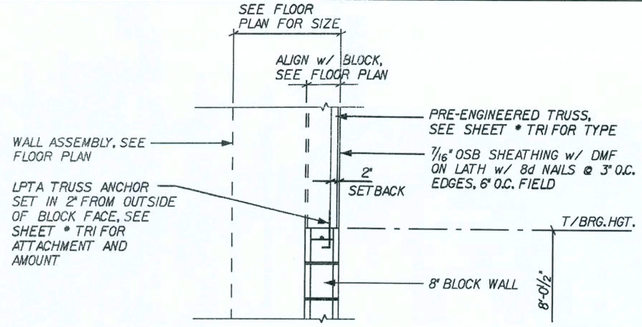
SCALE: 1/2" = 1'-0"



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

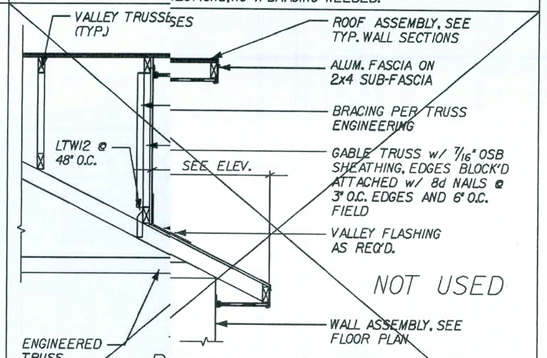
FALSE GABLE BRACING & SHEATHING CONNECTION DETAIL

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



TRUSS / BLOCK CONNECTION DETAIL

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

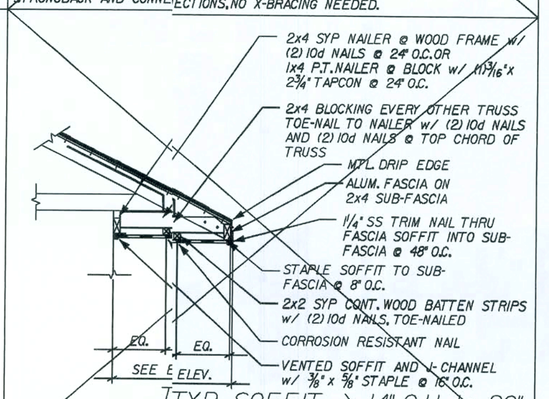


NOT USED

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"



REVISED 12-20-06

TYP. SOFFIT > 14" O.H. TO 20"

NOT USED

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

REVISIONS :

Maronda Homes

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

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

ROOF STANDARD DETAILS

BAYBURY

GARAGE:

DRAWN BY:

RELEASE DATE: 03-22-05

10123456

PLOT DATE: 22 MAY 2009

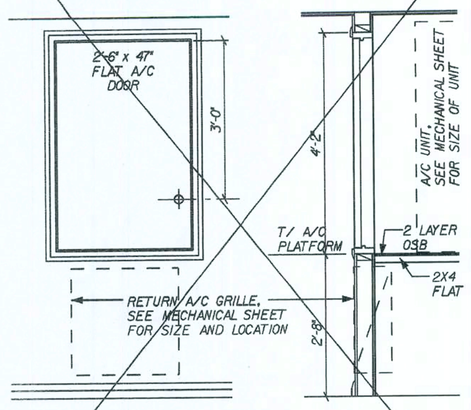
Maronda Systems
4005 Maronda Way
Sanford, FL 32771
(407)321-0064

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:

SD-R

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

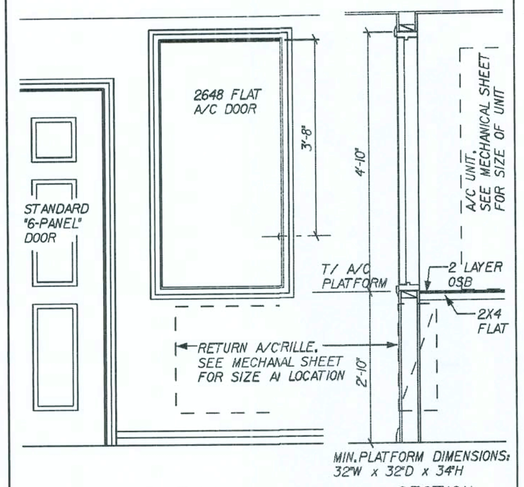


ELEVATION SECTION

7'-0" CEIL. ENCLOSED A/C PLATFORM

NOT USED

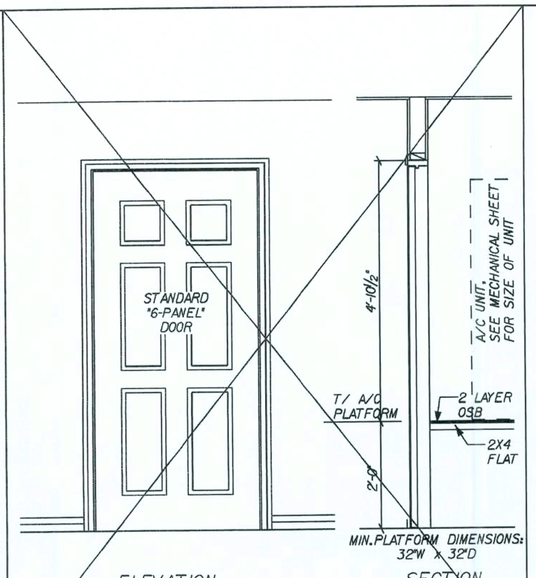
SCALE: 1/2" = 1'-0"



ELEVATION SECTION

ENCLOSED A/C PLATFORM

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

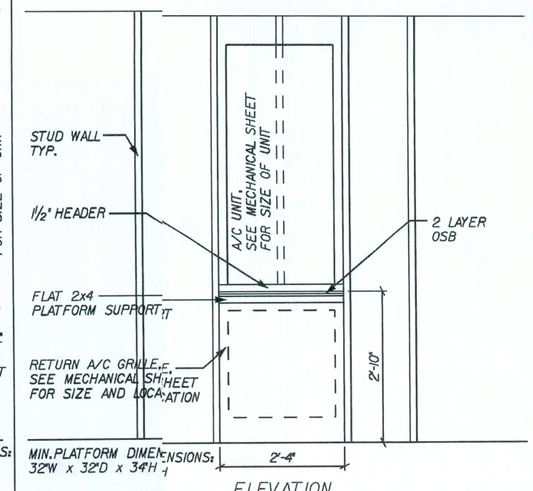


ELEVATION SECTION

FULL DOOR ENCLOSED A/C PLATFORM

NOT USED

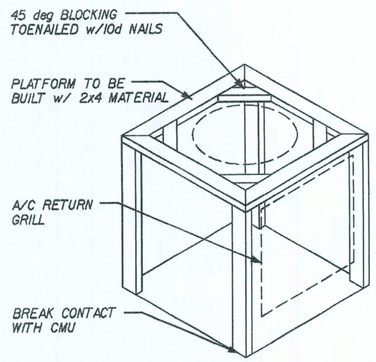
SCALE: 1/2" = 1'-0"



ELEVATION

OPEN A/C PLATFORM

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



A/C PLATFORM FRAMING

REVISED 01-24-05

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

REVISIONS :

03-01-09 REV. CODE INFORMATION

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 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

STANDARD | PLATFORM DETAILS

BAYBURY

AIR-HEAT DETAILS

DRAWN BY:

GARAGE:

RELEASE DATE: 03-22-05

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

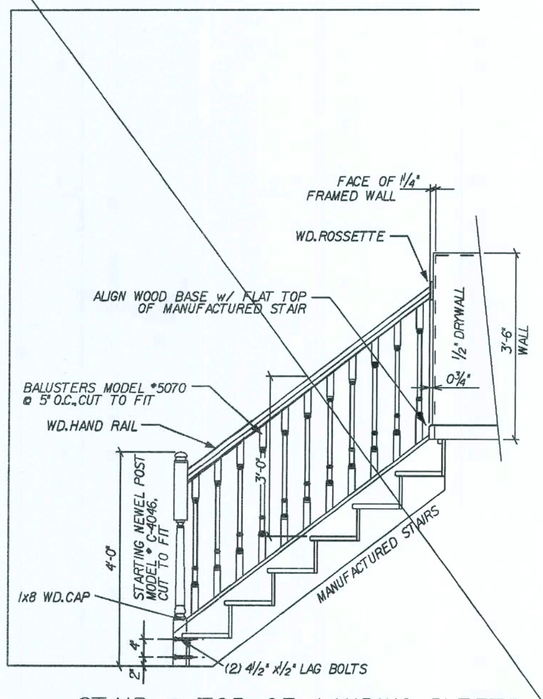
SHEET:

SD-H

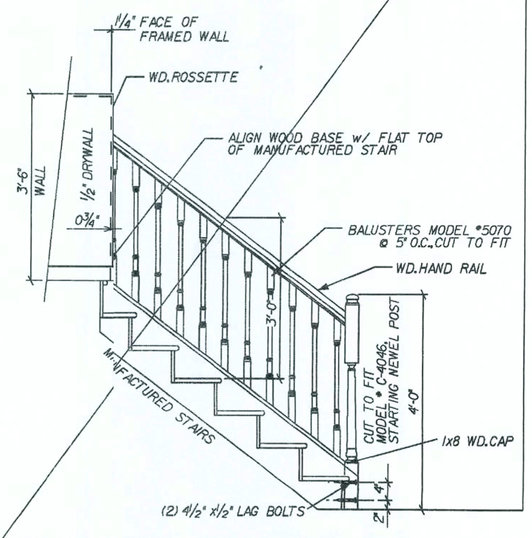
PLOT DATE: 22 MAY 2009 10:23:57

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

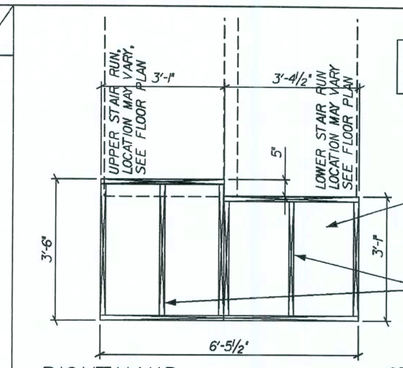
OPTIONAL WOOD RAILING AND SPINDELS IN LIEU OF 42" DRWALL SLOPED WALL



STAIR @ TOP OF LANDING [LEFT]



STAIR @ TOP OF LANDING [RIGHT]

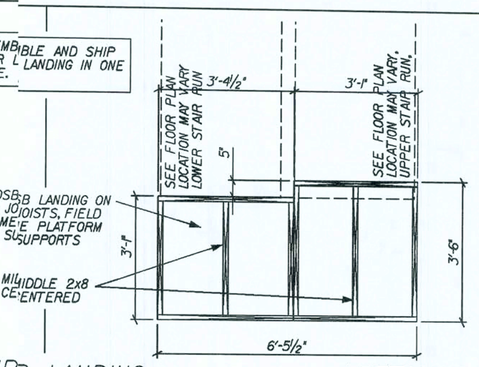


RIGHTHAND

ASSEMBLE AND SHIP STAIR & LANDING IN ONE PIECE.

3/4" OSB LANDING ON 2x8 JOISTS. FIELD FRAME THE PLATFORM 2x4 SUPPORTS

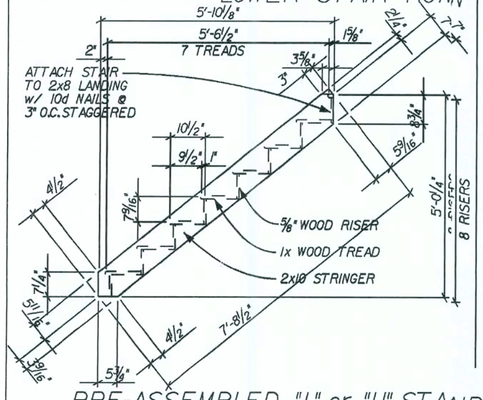
MIDDLE 2x8 CENTERED



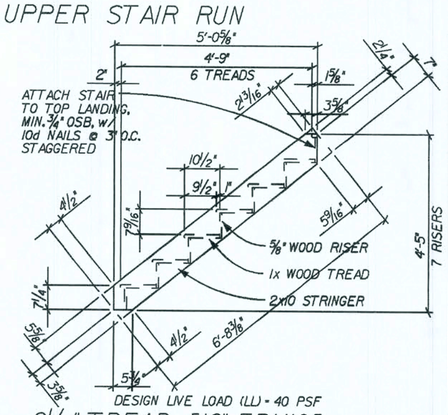
STAIR LANDING

LEFTHAND

LOWER STAIR RUN



UPPER STAIR RUN

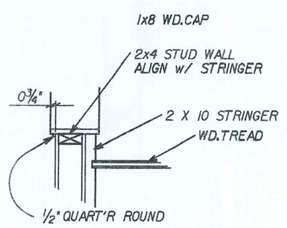


PRE-ASSEMBLED "L" or "U" STAIR : 9 1/2" TREAD [16" FRM'G]

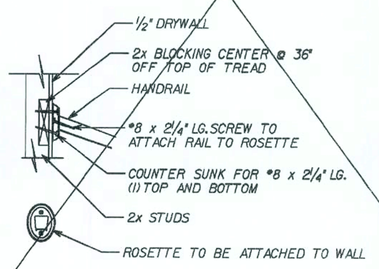
DESIGN LIVE LOAD (LL) = 40 PSF

REVISED 02-14-05

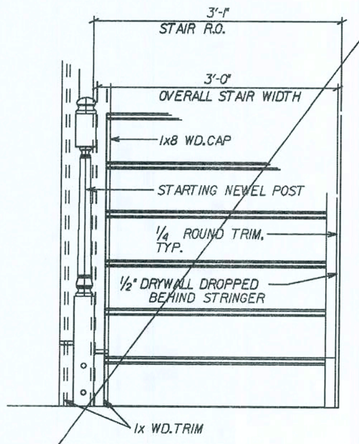
SCALE: 3/8" = 1'-0"

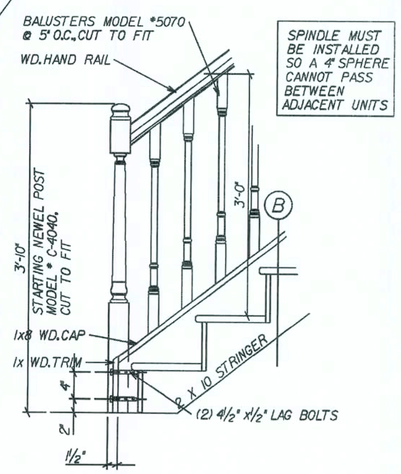


SECTION B



RAIL ATTACHMENT TO WALL

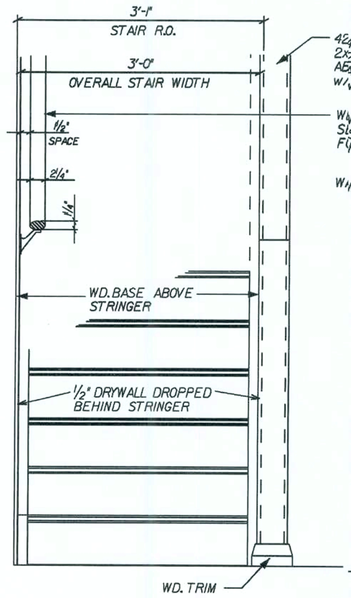


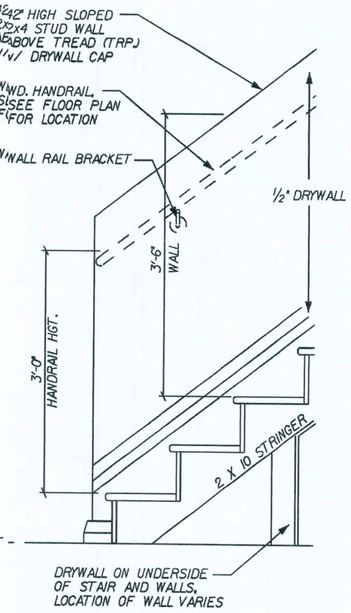


OPTIONAL OPEN RAIL STAIR DETAILS

REVISED 01-25-05

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





NOTE:
SECTION R311.5.6.2 HANDRAIL ENDS SHALL BE RETURNED TO WALL

REVISED 11-12-07
ADDED WOOD BASE ABOVE STRINGER

STANDARD STAIR w/ 42" HIGH WALL

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

REVISIONS :

02-13-06	REV. WOOD TRUSSES
06-20-06	REV. STAIR LANDING
03-20-07	REMOVE OPEN RAIL OPTION
03-01-09	REV. CODE INFORMATION

Maronda Homes

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

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, 2007 : RESIDENTIAL WITH 2009 SUPPLEMENT

16" FRM'G | 15 RISER : "L" STAIR

STAIR DETAILS

DRAWN BY:
GARAGE:
RELEASE DATE:

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

Tomas Ponce P.E.
License No. 0050068
June 8, 2009

SHEET:

STR

PLOT DATE: 22 MAY 2009 10:23:58

FLORIDA BUILDING CODE 2007 : RESIDENTIAL

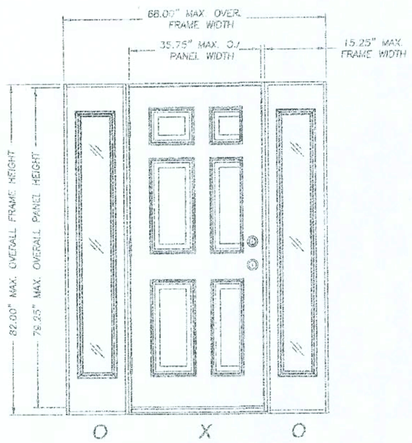
NAN YA PLASTICS CORP.
PLASTPRO INC.
9 PEACH TREE HILL ROAD
LIVINGSTON, NEW JERSEY 07039
PH: 800-779-0561 FAX: 973-758-4001

DISTINCTION SERIES 3'0" x 6'8" OPAQUE FIBERGLASS DOOR WITH SIDELITES LIP LITE SCREW FRAME INSWING / OUTSWING

GENERAL NOTES

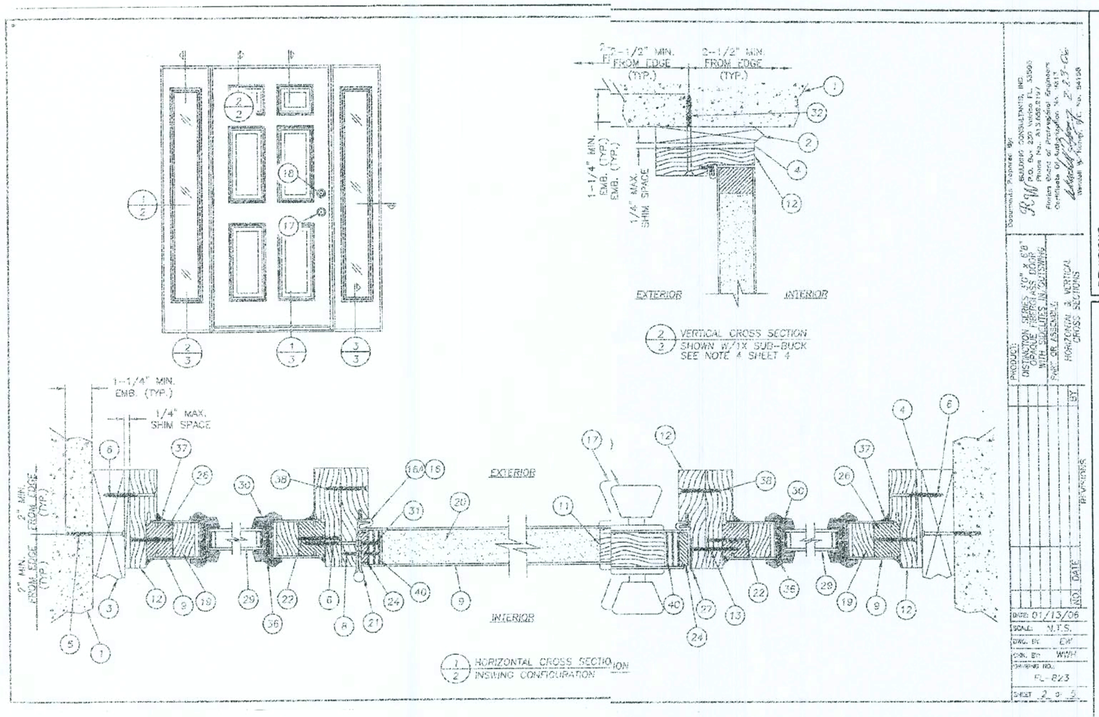
1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE EXCLUDING THE "HIGH VELOCITY HURRICANE ZONE".
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
3. WHEN USED IN WIND-BORNE DEBRIS REGIONS THE OPAQUE DOOR PANEL COMPLIES WITH SECTION 1609.1.4 OF THE FLORIDA BUILDING CODE AS AN IMPACT RESISTANT PRODUCT AND DOES NOT REQUIRE THE USE OF AN EXTERNAL IMPACT RESISTANT COVERING; THE SIDELITE MUST BE PROTECTED WITH AN IMPACT RESISTANT COVERING THAT COMPLIES WITH SECTION 1609.1.4. THIS PRODUCT DOES NOT MEET THE REQUIREMENTS FOR ENHANCED PROTECTION OF ESSENTIAL FACILITIES AS DEFINED IN ASTM E1996.
4. FOR 2X STUD FRAMING CONSTRUCTION, ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION.
5. CONDITIONS NOT COVERED BY THIS DRAWING ARE SUBJECT TO FURTHER ENGINEERING ANALYSIS.

TABLE OF CONTENTS



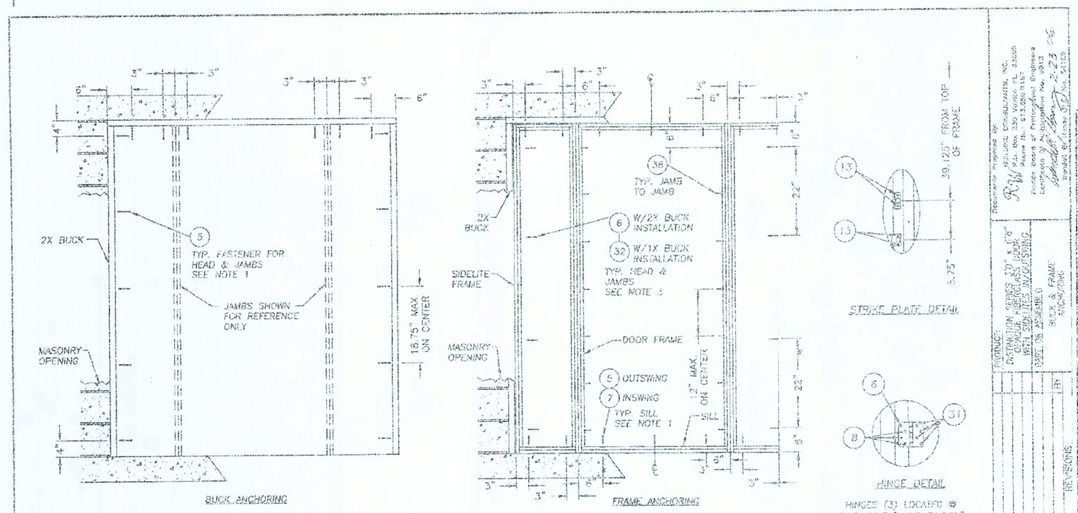
SINGLE OPAQUE DOOR W/SIDELITES

TYPE	OVERALL FRAME DIMENSION	SIDELITE DAYLIGHT DIMENSION	GLASS TYP.	DESIGN PRESSURE (PSF) POSITIVE	NEGATIVE
INSWING	68.00" x 82.00"	7.00" x 63.00"	1/8" TEMP. – AIR – 1/8" TEMP.	+50.0	-50.0
OUTSWING	68.00" x 80.37"	7.00" x 63.00"		+50.0	-50.0



2/3 VERTICAL CROSS SECTION SHOWN W/1X SUB-BUCK SEE NOTE 4 SHEET 4

1/2 HORIZONTAL CROSS SECTION INSWING CONFIGURATION

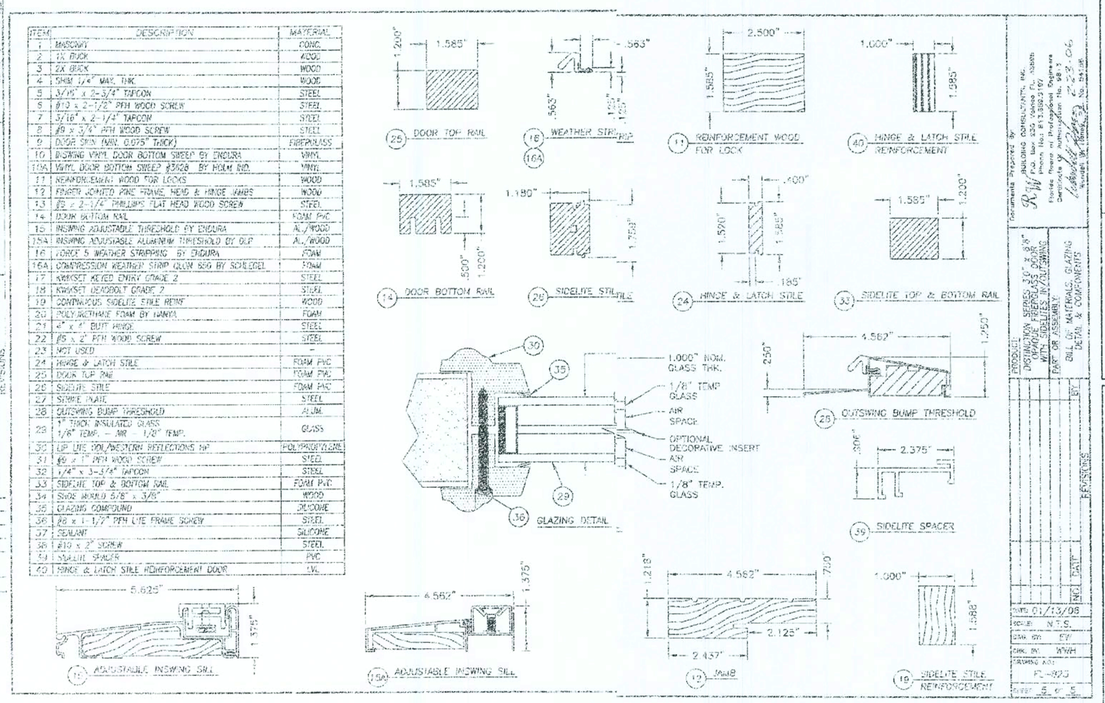


BUCK ANCHORING — FRAME ANCHORING

NOTES:

1. 3/16" TAPCONS REQUIRE A MINIMUM 2" CLEARANCE TO MASONRY EDGES AND A MINIMUM 2-1/4" CLEARANCE TO ADJACENT TAPCONS.
2. 1/4" TAPCONS REQUIRE A MINIMUM 2-1/2" CLEARANCE TO MASONRY EDGES AND A MINIMUM 3" CLEARANCE TO ADJACENT TAPCONS.
3. WHEN ANCHORING DOOR FRAME UTILIZING A 1X BUCK THEN ITEM #6 IS SUBSTITUTED WITH ITEM #32 (1/4" X 3-3/4" ELCO ANCHOR). THE QUANTITY AND SPACING OF ANCHORS DOES NOT CHANGE. SEE NOTE 2.
4. PER FBC SECTION 1714.5.4.2, FOR SUB-BUCKS LESS THAN 1-1/2" THICK, THE WINDOW SHALL BE ANCHORED THROUGH THE MAIN FRAME DIRECTLY INTO THE MASONRY. TAPCONS ARE SUBSTITUTED FOR THE ANCHORS.
5. SIDELITE PANEL SECURED TO THE SIDELITE FRAME WITH (6) OF ITEM #22 LOCATED 10", 30.5", 51" AND 71.5" FROM THE TOP OF EACH JAMB AND (2) OF ITEM #22 IN THE HEAD & SILL 3" FROM EACH END.

ITEM	DESCRIPTION	MATERIAL
1	MASONRY	CONC.
2	1X BUCK	WOOD
3	2X BUCK	WOOD
4	SHIM 1/4" MAX. THK.	WOOD
5	3/16" x 2-3/4" TAPCON	STEEL
6	#10 x 2-1/2" PFH WOOD SCREW	STEEL
7	3/16" x 2-1/4" TAPCON	STEEL
8	#8 x 3/4" PFH WOOD SCREW	STEEL
9	DOOR SKIN (MIN. 0.075" THICK)	FIBERGLASS
10	INSWING VINYL DOOR BOTTOM SWEEP BY ENDURA	VINYL
10A	VINYL DOOR BOTTOM SWEEP #3028 BY HOLM IND.	VINYL
11	REINFORCEMENT WOOD FOR LOCKS	WOOD
12	PRESTO COATED PINE FRAME HEAD & HINGE JAMBS	WOOD
13	#8 x 2-1/4" PHILLIPS FLAT HEAD WOOD SCREW	STEEL
14	DOOR BOTTOM RAIL	FOAM PVC
15	INSWING ADJUSTABLE THRESHOLD BY ENDURA	AL/WOOD
15A	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY OLP	AL/WOOD
16	FORCE 5 WEATHER STRIPPING BY ENDURA	FOAM
16A	COMPRESSION WEATHER STRIP (OLM 506 BY SCHLEGEL)	FOAM
17	KRAUSE KOTED ENTRY GRADE 2	STEEL
18	KRAUSE DECOROLT GRADE 2	STEEL
19	CONTINUOUS SIDELITE EDGE REINF.	WOOD
20	POLYURETHANE FOAM BY TANDI	FOAM
21	4" x 4" BUTT HINGE	STEEL
22	#8 x 2" PFH WOOD SCREW	STEEL
23	NOT USED	
24	HINGE & LATCH STILE	FOAM PVC
25	DOOR TOP RAIL	FOAM PVC
26	SIDELITE STILE	FOAM PVC
27	STRIKE PLATE	STEEL
28	OUTSWING BUMP THRESHOLD	ALUM.
29	1" THICK INSULATED GLASS 1/8" TEMP. – AIR – 1/8" TEMP.	GLASS
30	LIP LITE POLYESTER REFLECTORS INC.	POLYPROPYLENE
31	#8 x 1" PFH WOOD SCREW	STEEL
32	1/4" x 3-3/4" TAPCON	STEEL
33	SIDELITE TOP & BOTTOM RAIL	FOAM PVC
34	SHOE MOLD 5/8" x 3/8"	WOOD
35	GLAZING COMPOUND	SILICONE
36	#8 x 1-1/2" PFH LIP LITE FRAME SCREW	STEEL
37	SEALANT	SILICONE
38	#10 x 2" SCREW	STEEL
39	SILL SPACER	PVC
40	HINGE & LATCH STILE REINFORCEMENT DOOR	PVC



REVISIONS :

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

FIBERGLASS EXTERIOR DOORS
IN SWING / OUT SWING DOOR
WITH (TWO) SIDELITES
RELEASE DATE: 09/02/08

SHEET:
ED-2

Florida Product Approval #618:5

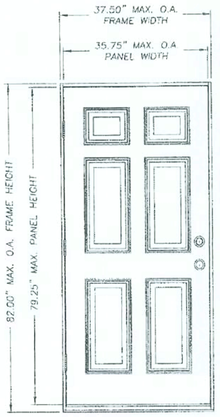
NAN YA PLASTICS CORP.
PLASTPRO INC.
9 PEACH TREE HILL ROAD
LIVINGSTON, NEW JERSEY 07039
PH: 800-779-0561 FAX: 973-758-4001

DISTINCTION SERIES
3'0" x 6'8" OPAQUE FIBERGLASS DOOR
INSWING / OUTSWING

GENERAL NOTES

1. THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE EXCLUDING THE "HIGH VELOCITY HURRICANE ZONE".
2. PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
3. WHEN USED IN WIND-BORNE DEBRIS REGIONS THIS PRODUCT COMPLIES WITH SECTION 1609.1.4 OF THE FLORIDA BUILDING CODE AS AN IMPACT RESISTANT PRODUCT AND DOES NOT REQUIRE THE USE OF AN EXTERNAL IMPACT RESISTANT COVERING. THIS PRODUCT DOES NOT MEET THE REQUIREMENTS FOR ENHANCED PROTECTION OF ESSENTIAL FACILITIES AS DEFINED IN ASTM E1996.
4. FOR 2X STUD FRAMING CONSTRUCTION, ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION.
5. CONDITIONS NOT COVERED BY THIS DRAWING ARE SUBJECT TO FURTHER ENGINEERING ANALYSIS.

TABLE OF CONTENTS



SINGLE OPAQUE DOOR

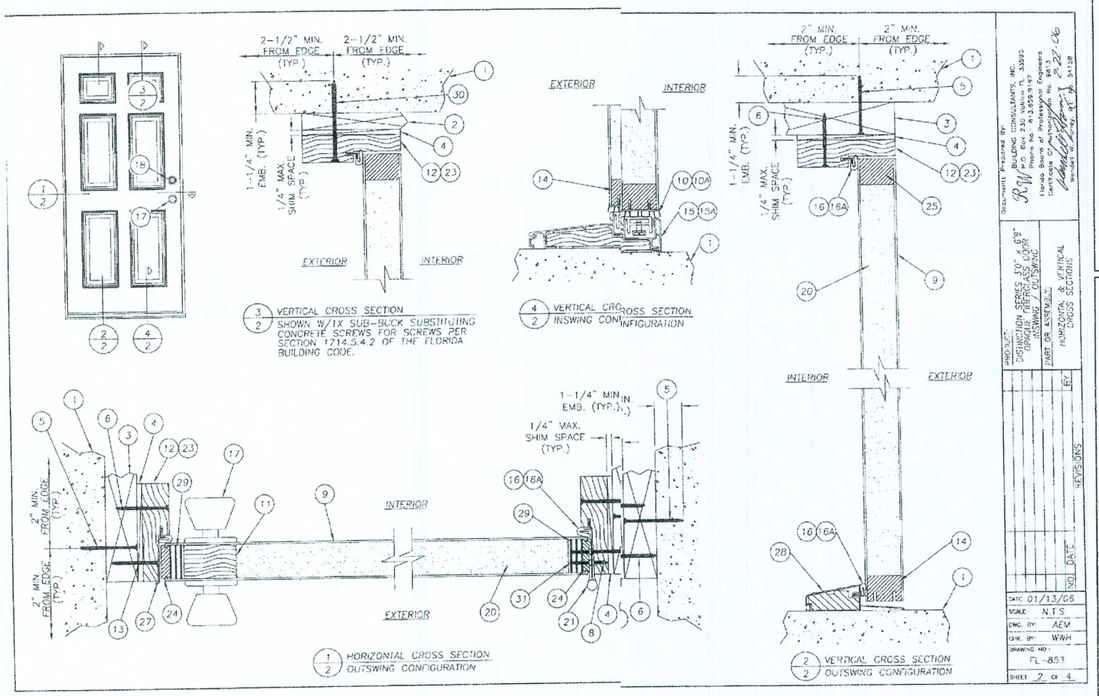
TYPE	OVERALL FRAME DIMENSION	DESIGN PRESSU (PSF)	
		POSITIVE	NATIVE
INSWING	37.50" x 82.00"	+65.0	0.0
OUTSWING	37.50" x 80.37"	+65.0	65.0

Documents Prepared By: BUILDING CONSULTANTS, INC. P.O. Box 232 Venice FL. 33595 Phone No. 813.359.9767 Florida Board of Professional Engineers Certificate of Authorization No. 9813 Ronald W. Wright P.E. No. 34158 01/13/06

PRODUCT: DISTINCTION SERIES 3'0" x 6'8" OPAQUE FIBERGLASS DOOR INSWING / OUTSWING
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS	BY

DATE: 01/13/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO: FL-853
SHEET 1 OF 4



3/2 VERTICAL CROSS SECTION
SHOWN W/1X SUB-BUCK SUBSTITUTING CONCRETE SCREWS FOR SCREWS PER SECTION 1714.5.4.2 OF THE FLORIDA BUILDING CODE.

4/2 VERTICAL CROSS SECTION
INSWING CONFIGURATION

1/2 HORIZONTAL CROSS SECTION
OUTSWING CONFIGURATION

2/2 VERTICAL CROSS SECTION
OUTSWING CONFIGURATION

REVISIONS :

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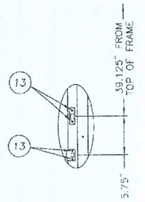
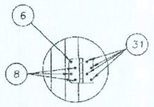
Maronda Homes
(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

FIBERGLASS EXTERIOR DOORS
IN SWING / OUT SWING DOOR
SINGLE DOOR
RELEASE DATE: 09/02/08

SHEET:
ED-0

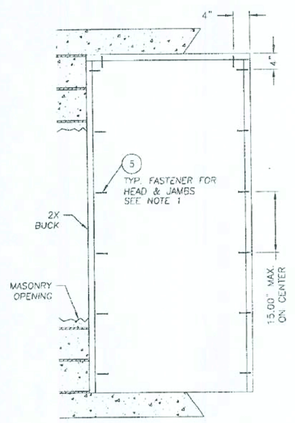


STRIKE PLATE DETAIL

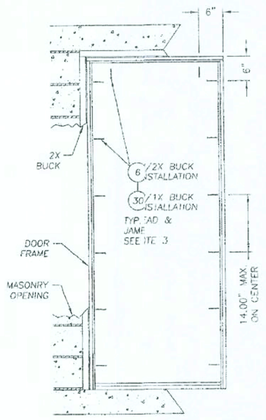


HINGE DETAIL

HINGES (3) LOCATED @ 9.46", 40.71" AND 71.965" FROM TOP OF FRAME TO CENTER LINE OF HINGE.



BUCK ANCHORING



FRAMEANCHORING

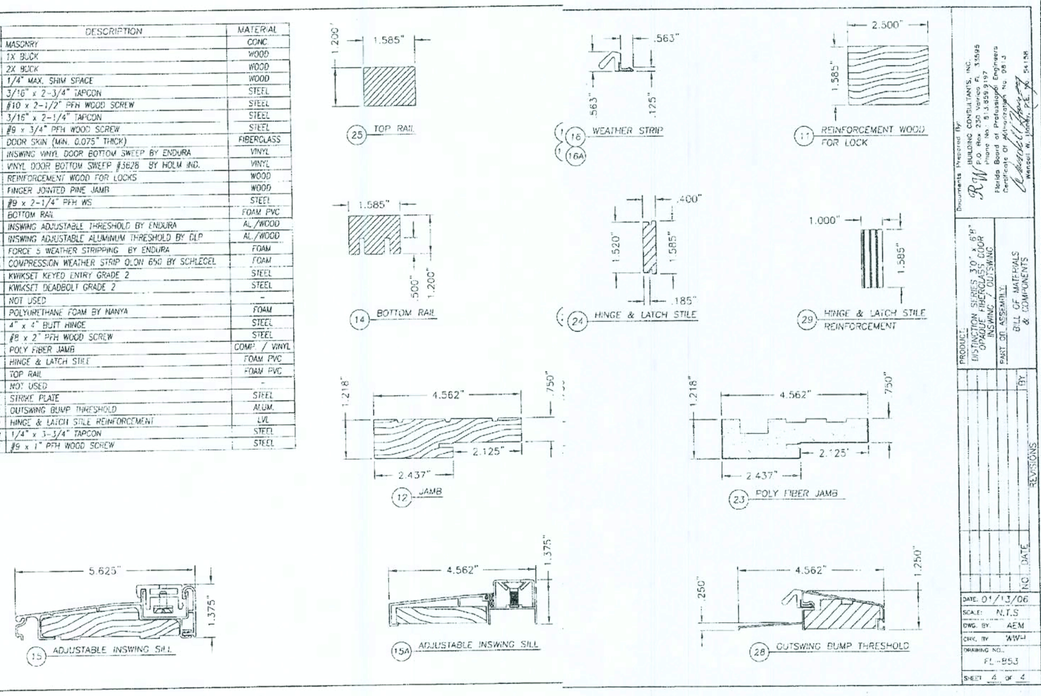
NOTES:

1. 3/16" TAPCONS REQUIRE A MINIMUM 2" CLEARANCE TO MASONRY EDGES AND A MINIMUM 2-1/4" CLEARANCE TO ADJACENT TAPCONS.
2. 1/4" TAPCONS REQUIRE A MINIMUM 2-1/2" CLEARANCE TO MASONRY EDGES AND A MINIMUM 3" CLEARANCE TO ADJACENT TAPCONS.
3. WHEN ANCHORING DOOR FRAME UTILIZING A 1X BUCK THEN ITEM #6 IS SUBSTITUTED WITH ITEM #30 (1/4" X 3-3/4" ELCO ANCHOR). THE QUANTITY AND SPACING OF ANCHORS DOES NOT CHANGE. SEE NOTE 2.

PRODUCT: DISTINCTION SERIES 3'0" x 6'8" OPAQUE FIBERGLASS DOOR INSWING / OUTSWING
PART OR ASSEMBLY: BUCK & FRAME ANCHORING

DATE: 01/13/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO: FL-853
SHEET 3 OF 4

ITEM	DESCRIPTION	MATERIAL
1	MASONRY	CONC
2	1X BUCK	WOOD
3	2X BUCK	WOOD
4	1/4" MAX. SHIM SPACE	WOOD
5	3/16" x 2-3/4" TAPCON	STEEL
6	#10 x 2-1/2" PFH WOOD SCREW	STEEL
7	3/16" x 2-1/4" TAPCON	STEEL
8	#9 x 3/4" PFH WOOD SCREW	STEEL
9	DOOR SKIN (MIN. 0.075" THICK)	FIBERGLASS
10	INSWING VINYL DOOR BOTTOM SWEEP BY ENDURA	VINYL
10A	VINYL DOOR BOTTOM SWEEP #3678 BY HOLM IND.	VINYL
11	REINFORCEMENT WOOD FOR LOCKS	WOOD
12	FINGER JOINTED PINE JAMB	WOOD
13	#9 x 2-1/4" PFH WS	STEEL
14	BOTTOM RAIL	FOAM PVC
15	INSWING ADJUSTABLE THRESHOLD BY ENDURA	AL./WOOD
15A	INSWING ADJUSTABLE ALUMINUM THRESHOLD BY ELP	AL./WOOD
16	FORCE 3 WEATHER STRIPPING BY ENDURA	FOAM
16A	COMPRESSION WEATHER STRIP QLON 650 BY SCHLEGEL	FOAM
17	KWIKSET KEYED ENTRY GRADE 2	STEEL
18	KWIKSET DEADBOLT GRADE 2	STEEL
19	NOT USED	-
20	POLYURETHANE FOAM BY NANYA	FOAM
21	4" x 4" BUTT HINGE	STEEL
22	#8 x 2" PFH WOOD SCREW	STEEL
23	POLY FIBER JAMB	COMP / VINYL
24	HINGE & LATCH STILE	FOAM PVC
25	TOP RAIL	FOAM PVC
26	NOT USED	-
27	STRIKE PLATE	STEEL
28	OUTSWING BUMP THRESHOLD	ALUM.
29	HINGE & LATCH STILE REINFORCEMENT	LVL
30	1/4" x 3-3/4" TAPCON	STEEL
31	#9 x 1" PFH WOOD SCREW	STEEL



23 TOP RAIL
16/16A WEATHER STRIP
17 REINFORCEMENT WOOD FOR LOCK
14 BOTTOM RAIL
24 HINGE & LATCH STILE
29 HINGE & LATCH STILE REINFORCEMENT
12 JAMB
23 POLY FIBER JAMB
15 ADJUSTABLE INSWING SILL
15A ADJUSTABLE INSWING SILL
28 OUTSWING BUMP THRESHOLD

PRODUCT: DISTINCTION SERIES 3'0" x 6'8" OPAQUE FIBERGLASS DOOR INSWING / OUTSWING
PART OR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

DATE: 01/13/06
SCALE: N.T.S.
DWG. BY: AEM
CHK. BY: WWH
DRAWING NO: FL-853
SHEET 4 OF 4

Florida Product Approval #618.1

PRODUCT APPROVAL INFORMATION SHEET FOR FLORIDA

Project Name:_____ **Perit #**_____

Project Address:_____

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

REVISED 2-18-2009

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007#	Design Pressures
A. EXTERIOR DOORS					
1. Swinging	Plastpro Inc. / Nanya Plastics Corp.	Fiberglass Dr Single Fiberglass Dr w/ Sidelite Fiberglass Dr w/ Dbl Sidelites Fiberglass Dr Single Glazed	Evaluated for use in locationadhering to the Florida Building Codend where pressure requirements as detmined by ACSE 7 Minimum Design Lds for Building and Other Structure	FL 6184.1 FL 6184.3 FL 6184.5 FL 6729.1	+65 / -70 +50 / -50 +50 / -50 +50 / -50
2. Sliding	Simonton Windows Florida Extruders	Sliding Glass Doors	500 72X80 SGD-R45 Milestone 1000 SGD	FL 5979.1 FL 8409.2	+50 / -50 +45 / -45
3. Sectional					
4. Roll up	Wayne Dalton Corp.	Garage Doors 130 10' - 16' 9100 / 5120 8' – 9' Garage Doors 140 10' - 16' 9100 / 5120 8' - 9'	As indicated in evaluation rept and installation drawings. Not toe used in HVHZ.	FL 9174.3 FL 9174.1 FL 9174.6 FL 9174.5	+25.9 /-28.8 +26.9 /-30.8 +39.2 /-43.7 +43.2 /-49.6
B. WINDOWS					
1. Single hung	Florida Extruders	Milestone Series 1000	53" x 84" Max Windows hae not been evaluated for use in High Vlocity Hurricane Zones.	FL 9262.2	+45 / -45
2. Horizontal slider	Florida Extruders	Milestone Series 1000	74"x72" XO/OX Max Winws have not been evaluated for use in Hi Velocity Hurricane Zones.	FL 9236.1	+45 / -45
5. Fixed	Florida Extruders	Milestone Series 1000	73"x37" Max Windows ha not been evaluated for use in High Vlocity Hurricane Zones.	FL 9242.2	+45 / -45
Category/Subcategory	**Manufacturer**	**Product Description**	**Limitation of Use**	**State 2007#**	**Design Pressures**
7. Pass-through					
8. Projected					
9. Mullion	Florida Extruders	Milestone Tube Mull	Evaluated for use in location adhering to the Florida Buildg Code and where pressure requiremts as determined by ACSE 7 Minium Design Loads for Building ar Other Structures.	FL 3136–R3	60 PSF
10. Wind breaker					
11. Dual action					
12. Other					
C. PANEL WALL					
1. Siding					
2. Soffit	Alsco Metal Corp	Quad 4 Aluminum Soffit Systems	For use as soffit only. Not foise in HVHZ.	FL 4459-R1	62.0 PSF
D. ROOFING PRODUCTS					
1. Asphalt shingles	Owens Corning Certain Teed Corp.	Asphalt Shingle Asphalt Shingle	This Approval not for use in e HVHZ. All FBC sections thapply to counties except Broward al Miami-Dade Must be followe	FL 10674-R1 FL 5444-R1	N/A N/A
2. Underlayments					
3. Roofing fasteners					
4. Nonstructural metal roof					
5. Built-up roofing					
6. Modified bitumen	Polyglass USA	Two layer torch down	The max design pressure for e selected assembly shall meet exceed the Zone 1 design preure determined in accordance witFBC chapter 16.	FL 1654-R4	+N/A /-622.5
7. Single ply roofing					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State 2007#	Design Pressures
8. Roofing tiles					
9. Roofing insulation					
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 Lamanco	Ridge Vent Off Ridge Vent	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade Must be followed.	FL 10758 FL 3792-R3	N/A N/A
E. SHUTTERS					
1. Storm Panels	ASI Building Products Atrium Shutters, Inc. Alufab Hurricane Shutters Inc. KD Manufacturing	.018" Galvanized Steel Storm Panels 24 GA Galv. Steel Panel 24 & 22 GA Steel Panel KD STORM PANEL	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 or Basic Wind Speed > 140.	FL 7989-R2 FL 5547 FL 4804 FL 2773	+70 / -70 N/A N/A N/A
F. STRUCTURAL COMPONENTS					
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.	565-R3,567-R3, 568-R2,569-R3, 570-R2,571-R2, 574-R2,576-R3, 578-R2,815-R1, 816-R1,817-R1, 819-R1,820-R2, 821-R1,822-R1, 859-R4,1247-R1 2033-R2, 4928-R1, 5631-R1, 9835-R1, 10739,11664, 11748, 11838, 11910	
Category/Subcategory	**Manufacturer**	**Product Description**	**Limitation of Use**	**State 2007#**	**Design Pressures**
2. Truss plates	Mitek industries Inc.	Truss Connectors	No Limitation of Use.	FL 2197 R1	N/A
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					
13. Other	Powers Steel Inc.	PSbox8 PSbox8(5 5/8)	Lintels shall not exceed the allowable design load and spans. The lintels shall not be used in a fire resistance rated assembly. A proper barrier is required when using corrosive lumber products in contact with steel lintels. Not for use in HVHZ Miami or Broward counties at this time.	6264-R1	N/A
G. SKYLIGHTS					
1. Skylight					
2. Other					
H. NEW EXTERIOR ENVELOPE PRODUCTS					
1.					
2.					

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

The products listed below did not demonstrate product approval at time of plan review. I understand that before these products can be inspected, they must be submitted for review for code compliance and approved by a 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
08-14-08 ADDED POWERS STEEL LINTELS
09-16-08 ADDED MANUF. ENG'RS NOTE
02-23-2009 UPDATED FOR 2007 CODES

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION 301 OF THE FLORIDA BUILDING CODE 2007 , RESIDENTIAL.
ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS. EXPOSURE B, ENCLOSED BUILDING,PID

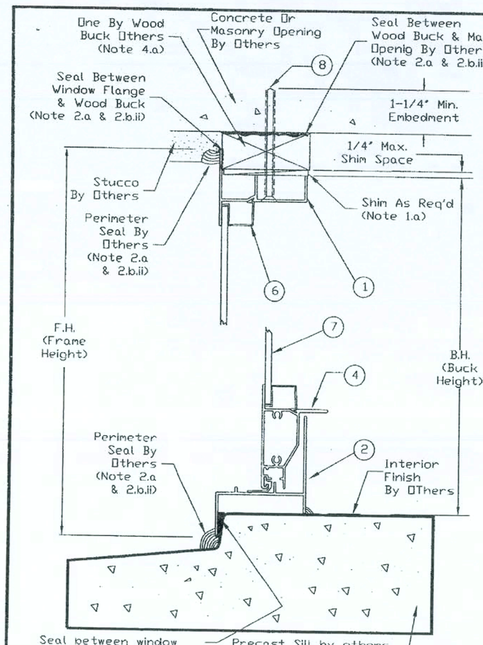
PRODUCT APPROVAL

GARAGE:
DRAWN BY:
RELEASE DATE: MARCH 1, 2009
1447.49

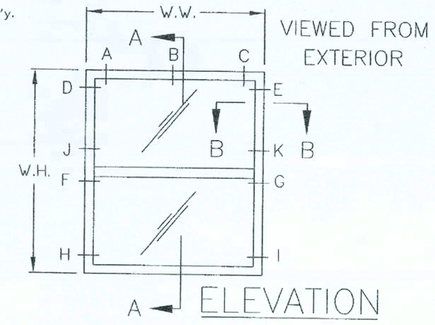
SHEET:

p:\Nprod_approval.dgn

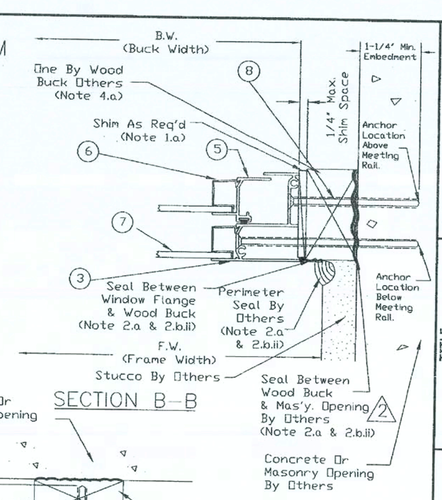
FLORIDA BUILDING CODE 2007 : RESIDENTIAL



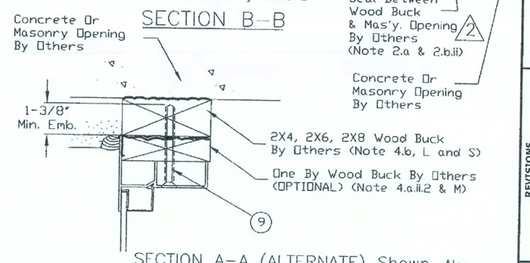
SECTION A-A



ELEVATION



SECTION B-B



SECTION A-A (ALTERNATE) Shown. Also applicable to Section B-B for installation with two by with or w/o one by wood bucks.

PARTS LIST

1. Head - Flange Frame
2. Sill - Flange Frame
3. Jamb - Flange Frame
4. Lift Rail - Sash
5. Jamb - Sash
6. Glazing Bead
7. Glazing - See Note (B) and (C)
8. 3/16" Dia. Flat Head Concrete Screw with minimum working load in shear of 180 lbs at 1 1/4" embedment. See Note (I) on Sheet 2 & Note 7 on Drawing FLEX20100.
9. #10 Flate Head Wood or Tapping Screw with a minimum embedment of 1-3/8" into "Structural Two By Buck or Framing". See Note (L) on Sheet 2 and Note 8 on Drawing FLEX20100.
10. #8 Flat Head Wood or Tapping Screw with a minimum embedment of 5/8" into the "One By Wood Buck". See Note (K) on Sheet 2 and Note 8 on Drawing FLEX20100.

GENERAL NOTES

(1 to 15) See General Notes Drawing FLEX20100. Window is shown. Also applicable to Milestone Series 1500 and 2000 Single Hung 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, 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.
(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 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) Not used.
(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.

DISCLAIMER: The purpose of this manufacturer's recommendations for anchorage [i.e., concrete screws, wood screws, tapping screws and Vulkem Structural Adhesive (or other approved equal) as applicable] 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.

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 Single Hung Window Installation Drawing for Masonry Substrate with Concrete Screws

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0015
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

Robert J. Amoruso, P.E.
FL License No. 49752
ROBERT JAMES AMORUSO LICENSE No. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/2/07

Drawing No. FLEX21110
Sheet 1 of 2

FASTENER LOCATION TABLE (see Elevation View)

Size Code	Buck Width	Buck Height	Concrete Screw Location Head	Concrete Screw Location Jambs
12	18 1/8	25	A, C	D, E, F, G, H, I
13	18 1/8	37 3/8	A, C	D, E, F, G, H, I
14	18 1/8	49 5/8	A, C	D, E, F, G, H, I
145	18 1/8	55 1/4	A, C	D, E, F, G, H, I
15	18 1/8	62	A, C	D, E, F, G, H, I
16	18 1/8	71	A, C	D, E, F, G, H, I, J, K
17	18 1/8	83	A, C	D, E, F, G, H, I, J, K
1H2	25 1/2	25	A, C	D, E, F, G, H, I
1H3	25 1/2	37 3/8	A, C	D, E, F, G, H, I
1H4	25 1/2	49 5/8	A, C	D, E, F, G, H, I
1H45	25 1/2	55 1/4	A, C	D, E, F, G, H, I
1H5	25 1/2	62	A, C	D, E, F, G, H, I
1H6	25 1/2	71	A, C	D, E, F, G, H, I, J, K
1H7	25 1/2	83	A, C	D, E, F, G, H, I, J, K
3H2	29 1/2	25	A, C	D, E, F, G, H, I
3H3	29 1/2	37 3/8	A, C	D, E, F, G, H, I
3H4	29 1/2	49 5/8	A, C	D, E, F, G, H, I
3H45	29 1/2	55 1/4	A, C	D, E, F, G, H, I
3H5	29 1/2	62	A, C	D, E, F, G, H, I
3H6	29 1/2	71	A, C	D, E, F, G, H, I, J, K
3H7	29 1/2	83	A, C	D, E, F, G, H, I, J, K
22	36	25	A, C	D, E, F, G, H, I
23	36	37 3/8	A, C	D, E, F, G, H, I
24	36	49 5/8	A, C	D, E, F, G, H, I
245	36	55 1/4	A, C	D, E, F, G, H, I
25	36	62	A, C	D, E, F, G, H, I
26	36	71	A, C	D, E, F, G, H, I, J, K
27	36	83	A, C	D, E, F, G, H, I, J, K
482	47	25	A, B, C	D, E, F, G, H, I
483	47	37 3/8	A, B, C	D, E, F, G, H, I
484	47	49 5/8	A, B, C	D, E, F, G, H, I
4845	47	55 1/4	A, B, C	D, E, F, G, H, I
485	47	62	A, B, C	D, E, F, G, H, I
486	47	71	A, B, C	D, E, F, G, H, I, J, K
487	47	83	A, B, C	D, E, F, G, H, I, J, K
32	52 1/8	25	A, B, C	D, E, F, G, H, I
33	52 1/8	37 3/8	A, B, C	D, E, F, G, H, I
34	52 1/8	49 5/8	A, B, C	D, E, F, G, H, I
345	52 1/8	55 1/4	A, B, C	D, E, F, G, H, I
35	52 1/8	62	A, B, C	D, E, F, G, H, I
36	52 1/8	71	A, B, C	D, E, F, G, H, I, J, K
37 (Note 1)	52 1/8	83	A, B, C	D, E, F, G, H, I, J, K

Notes 1) Only applicable to Series 2000.

FASTENER INSTALLATION INSTRUCTIONS - FLEX21110

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 head and jambs and masonry or concrete sill, installation is as follows:

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

(J) See fastener location table this sheet for concrete screw locations and any additional installation requirements.
(K) Any remaining factory applied installation fastener hole in the head at location "B" not used for concrete screw installation per the fastener location table shall be filled with a #8 wood screws of sufficient length to provide min. 5/8" embedment into wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEX20100, Note 8 for additional wood screw requirements.

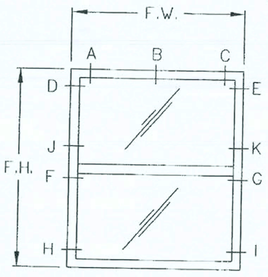
#10 WOOD SCREW WITH STRUCTURAL TWO BY WOOD BUCK AND OPTIONAL ONE BY WOOD BUCK (SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION, SIMILAR FOR SECTION B-B):

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

- At the head 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.
- At the sill, apply a Structural Adhesive Sealant meeting the requirements of Note 2.b.i on FLEX20100 for the full length of the Sil.

(M) 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.
(N) #10 wood screws shall be installed at all factory applied installation fastener hole locations.
(O) Wood screws shall not be used to fasten assembly into the end grain of wood.

VIEWED FROM EXTERIOR
(FASTENER LOCATIONS)



ELEVATION

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(P) If exact window size is not listed in fastener installation table, use fastener quantity listed for next larger size.
(Q) Installations depicted in these instructions acceptable for design pressures to 70 PSF for the window sizes shown in the table. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than that shown in the fastener location table and shall be determined in accordance with Note 13 of FLEX20100.
(R) 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.
(S) 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.
(T) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

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 Single Hung Window Installation Drawing for Masonry Substrate with Concrete Screws

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0015
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

Drawing No. FLEX21110
Sheet 2 of 2

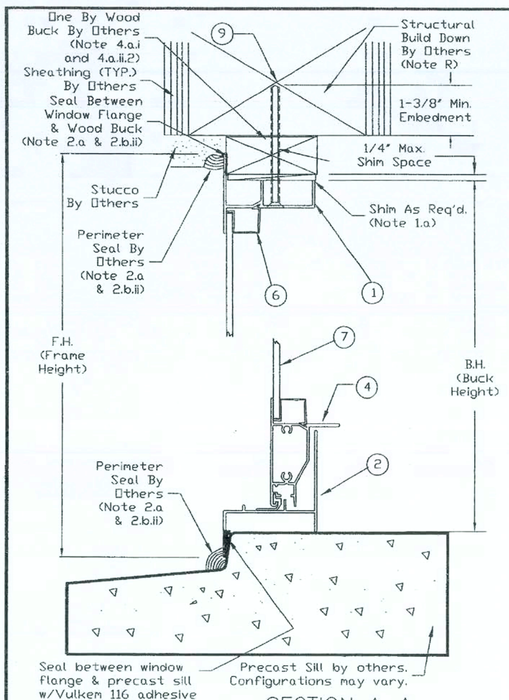
Forida Product Approval # FL9262.2 SINGLE HUNG

SHEET: WIN1b

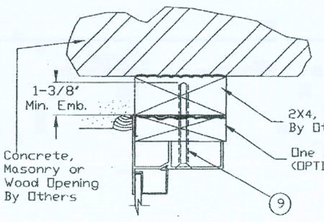
FLORIDA EXTRUDERS
WINDOWS IN BLOCK
1 of 6
RELEASE DATE: 09/03/08

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

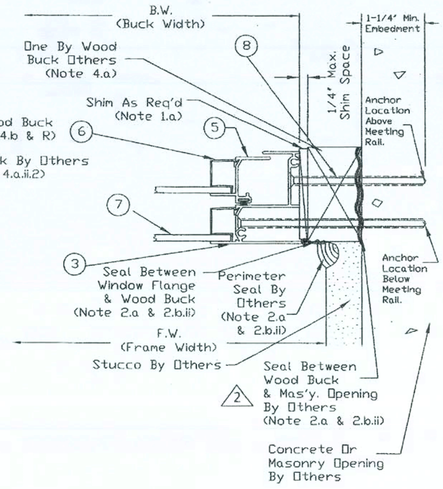
REVISIONS :
2-16-09 Updated to Code.

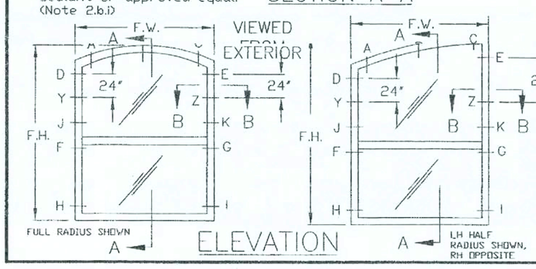


SECTION A–A



SECTION A–A (ALTERNATE) Shown. Also applicable to Section B–B for installation with two by with or w/o one by wood bucks.





ELEVATION

PARTS LIST

1 Head - Flange Frame
2 Sill - Flange Frame
3 Jamb - Flange Frame
4 Lift Rail - Sash
5 Jamb - Sash
6 Glazing Bead
7 Glazing - See Note (B) and (C)
8 3/16" Dia. Flat Head Concrete Screw with minimum work load in shear of 180 lbs at 1 1/4" embedment. See Note (I) on this drawing and Note 7 on Drawing FLEX20100.
9 #10 Flat Head Wood or Tapping Screw with a minimum embedment of 1-3/8" into "Structural Two By Buck or Framing". See Note (K) on this drawing and Note 8 on Drawing FLEX20100. 2

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage [i.e., concrete screws, wood screws, tapping screws and Vulkem Structural Adhesive (or other approved equal) as applicable] 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.

GENERAL NOTES

(A) Milestone Series 1000/1500/2000 Single Hung Radius Head Window is shown. Also applicable to Milestone Series 1500 and 2000 Single Hung Radius Head 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, 101/I.S. 2/NAFS or AAMA/WDMA/CSA 101/I.S. 2/A440and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
(D) For Fastener Location & Quantities see Sheet 1 & 2 of this drawing respectively. 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) Not used.
(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.

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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

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0040
1	11/14/06	RJA	Revised Anchorage
2	3/02/07	RJA	Editorial Corrections

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

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3/2/07

Drawing No. FLEX22110
Sheet 1 of 2

FASTENER LOCATION TABLE (see Elevation View, Sheet 1)

Series	Size Code	Frame Width and Height: Width	Height (Full Radius)	Height (Half Radius)	Fastener Screw Location: 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 73/96	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	89 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	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 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. 3/16" Hole must be drilled in field.

Florida Extruders Int'l, Inc.
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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

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0040
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

Drawing No. FLEX22110
Sheet 2 of 2

Floria Product Approval # FL9262.2

SINGLE HUNG

WINb

SHEET:

FLORIDA EXTRUDERS

WINDOWS IN BLOCK

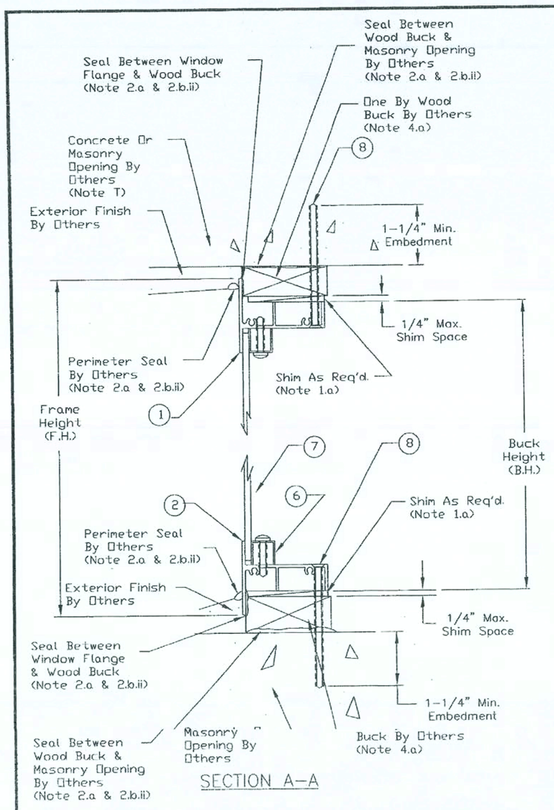
2 of 6

RELEASE DATE: 09/03/08

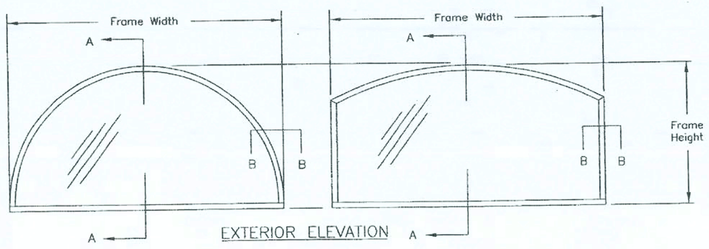
Maronda Homes

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

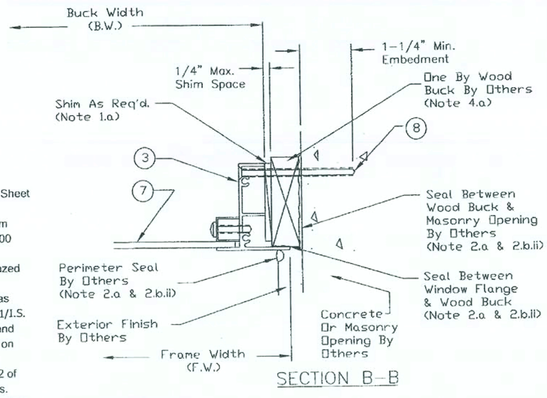
REVISIONS :
2-16-09 Updated to Code.



SECTION A–A



EXTERIOR ELEVATION



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, and tapping screws] 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.

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 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, 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.

(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 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
3 Sill - Flange Frame
4 Not Used
5 Not Used
6 Glazing Bead
7 Glazing - See Note (B) and (C)
8 3/16" Dia. Flat Head Concrete Screw with minimum working load in shear of 180 lbs at 1 1/4" embedment. See Note (I) on Sheet 2 and Note 7 on Drawing FLEX20100.
9 #10 Flat Head Wood or Tapping Screw with a minimum embedment of 1-3/8" into "Structural Two By Buck or Framing". See Note (K) on Sheet 2 and Note 8 on Drawing FLEX20100.

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Drawing No. FLEX28110
Sheet 1 of 2

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Florida COA No. 9235

TITLE
Milestone Series 1000 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	Supersedes FLEX0035
1	11/14/06	RJA	Revised Anchorage
2	1/9/07	RJA	Revised edge distance tolerance.

Date: 1/9/07
Scale: NTS
Drawn By: RJA
Checked By: JH

FASTENER INSTALLATION INSTRUCTIONS - FLEX28110

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

(I) 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.

(J) Fastener spacing shall be per Notes (N), (P) and (Q) 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):

(K) 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.

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

(M) Fastener spacing shall be per Notes (O), (P) and (Q) below.

FASTENER SPACING (See Elevation View on this Sheet):

(N) Concrete screw spacing shall be as follows:
- 5" maximum from each corner of head, sill or jambs,
- evenly spaced between corner anchors but not exceeding 15" o.c. spacing in head, sill or jambs of quarter-circle, quarter-circle arch and half-fan configurations, or
- evenly spaced between corner anchors but not exceeding 18" o.c. spacing in head, sill or jambs of all other configurations not mentioned above, and
- tolerance is +/- 1", and
- this tolerance is applicable to the evenly spaced distance.
- Corner distance measured from tip of frame. 2

(O) #10 wood screw spacing shall be as follows:
- 5" maximum from each corner of head, sill or jambs,
- 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 [illegible]
  - o half-circle
  - o triangle
  - o trapezoid
  - o oval
- evenly spaced between corner anchors but not exceeding 9" o.c. spacing in head, sill or jambs for the following configurations,
  - o quarter-circle
  - o quarter-circle arch
  - o half-fan
- tolerance is +/- 1", and
- this tolerance is applicable to the evenly spaced distance.
- Corner distance measured from tip of frame. 2

(P) Spacing in Note (N) and (O) 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.

(Q) 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.

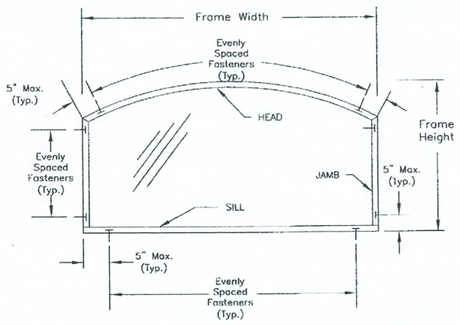
DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(R) Installations depicted in these instructions acceptable for design pressures to 70 PSF. 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.

(S) 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.

(T) 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.

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



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 18" O.C. SPACING BETWEEN ANCHORS AND SPACED 5" 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 5" MAXIMUM FROM CORNERS. (NOTE: 12" SPACING FOR EXAMPLE EYEBROW APPLICATION. OTHER APPLICATIONS MAY REQUIRE 9" SPACING PER NOTE (O))

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Florida COA No. 9235

TITLE
Milestone Series 1000 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	Supersedes FLEX0035
1	11/14/06	RJA	Revised Anchorage
2	1/9/07	RJA	Revised edge distance tolerance.

Date: 1/9/07
Scale: NTS
Drawn By: RJA
Checked By: JH

Drawing No. FLEX28110
Sheet 2 of 2

Forida Product Approval # FL9242.2

FLXED

SHEET: WINb

FLORIDA EXTRUDERS
WINDOWS IN BLOCK
3 of 6
RELEASE DATE: 09/03/08

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

REVISIONS :
2-16-09 Updated to Code.

Florida Product Approval # FL9236.1

FASTENER QUANTITIES TABLE (See Elevation View which depicts for illustrative purposes only maximum number of fasteners in Head & Jambs

Series 1000 Horizontal Slider OX - OX Configuration

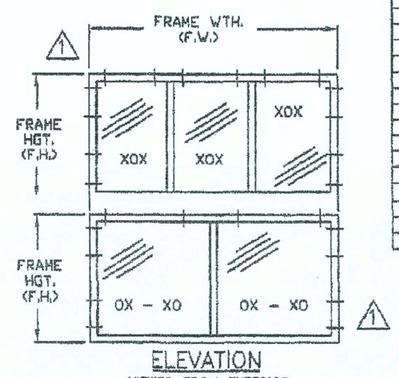
Size Code	Frame (1) Width	Frame (1) Height	Fastener Quantities (2) Head	Fastener Quantities (2) Jambs
1H2	26 1/2	26	4	2
1H3	26 1/2	38 3/8	4	2
1H4	26 1/2	50 5/8	4	3
1H45	26 1/2	56 1/4	4	4
1H5	26 1/2	63	4	4
1H6	26 1/2	72	4	4
3H2	30 1/2	26	4	2
3H3	30 1/2	38 3/8	4	2
3H4	30 1/2	50 5/8	4	3
3H45	30 1/2	56 1/4	4	4
3H5	30 1/2	63	4	4
3H6	30 1/2	72	4	4
22	37	26	4	2
23	37	38 3/8	4	2
24	37	50 5/8	4	3
245	37	56 1/4	4	4
25	37	63	4	4
26	37	72	4	4
482	48	26	4	2
483	48	38 3/8	4	2
484	48	50 5/8	4	3
4845	48	56 1/4	4	4
485	48	63	4	4
486	48	72	4	4
32	53 1/8	26	4	2
33	53 1/8	38 3/8	4	2
34	53 1/8	50 5/8	4	3
345	53 1/8	56 1/4	4	4
35	53 1/8	63	4	4
36	53 1/8	72	4	4

Series 1000 Horizontal Slider OX - OX Configuration

Size Code	Frame (1) Width	Frame (1) Height	Fastener Quantities (2) Head	Fastener Quantities (2) Jambs
D22	74	26	4	2
D23	74	38 3/8	4	2
D24	74	50 5/8	4	3
D245	74	56 1/4	4	4
D25	74	63	4	4
D26	74	72	4	4
2020	24	24	4	2
2030	24	36	4	2
2040	24	48	4	3
2048	24	54	4	4
2050	24	60	4	4
2060	24	72	4	4
3020	36	24	4	2
3030	36	36	4	2
3040	36	48	4	3
3048	36	54	4	4
3050	36	60	4	4
3060	36	72	4	4
4020	48	24	4	2
4030	48	36	4	2
4040	48	48	4	3
4048	48	54	4	4
4050	48	60	4	4
4060	48	72	4	4
4820	54	24	4	2
4830	54	36	4	2
4840	54	48	4	3
4848	54	54	4	4
4850	54	60	4	4
4860	54	72	4	4
5020	60	24	4	2
5030	60	36	4	2
5040	60	48	4	3
5048	60	54	4	4
5050	60	60	4	4
5060	60	72	4	4
5620	66	24	4	2
5630	66	36	4	2
5640	66	48	4	3
5648	66	54	4	4
5650	66	60	4	4
5660	66	72	4	4
6020	72	24	4	2
6030	72	36	4	2
6048	72	54	4	4
6050	72	60	4	4
6060	72	72	4	4

Series 1000 Horizontal Slider XOX Configuration

Size Code	Frame (1) Width	Frame (1) Height	Fastener Quantities (2) Head	Fastener Quantities (2) Jambs
D22	74	26	6	2
D23	74	38 3/8	6	2
D24	74	50 5/8	6	3
D25	74	63	6	4
D26	74	72	6	4
D32	106 1/4	26	6	2
D33	106 1/4	38 3/8	6	2
D34	106 1/4	50 5/8	6	3
D35	106 1/4	63	6	4
D36	106 1/4	72	6	4
T22	111	26	6	2
T23	111	38 3/8	6	2
T24	111	50 5/8	6	3
M2	120	26	6	2
M3	120	38 3/8	6	2
M4	120	50 5/8	6	3
6020	72	24	6	2
6030	72	36	6	2
6040	72	48	6	3
6050	72	60	6	4
6060	72	72	6	4
7020	84	24	6	2
7030	84	36	6	2
7040	84	48	6	3
7050	84	60	6	4
7060	84	72	6	4
8020	96	24	6	2
8030	96	36	6	2
8040	96	48	6	3
8050	96	60	6	4
8060	96	72	6	4
9020	108	24	6	2
9030	108	36	6	2
9040	108	48	6	3
9050	108	60	6	4
9060	108	72	6	4
10020	120	24	6	2
10030	120	36	6	2
10040	120	48	6	3



ELEVATION
VIEWED FROM EXTERIOR

Fastener Quantities Table Notes:
1) Buck Width and Height = Frame Width or Height - 1".
2) Only the required number of holes at the correct locations will be present in the frame based on the number of fastners to be installed listed above.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(P) If exact window size is not listed in fastener installation chart, use fastener quantity listed for next larger size.
(Q) Installations depicted in these instructions acceptable for design pressures to 60 PSF for the window sizes shown in the table. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 60 PSF and shall be determined in accordance with Note 13 of FLEX20100.
(R) 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.
(S) 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.
(T) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

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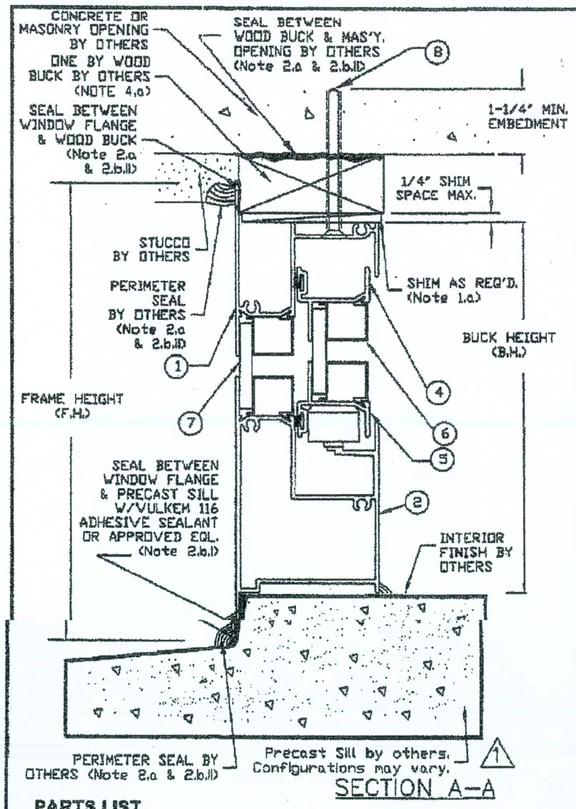
TITLE
Milestone Series 1000
Non-Impact Resistant Aluminum Range Frame Horizontal Sliding Window
Installation Drawing for Masonry Substrate with Concrete Screws

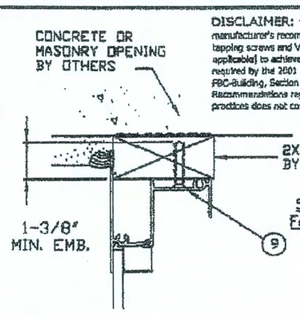
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0020 Supersedes FLEX0022
1	11/14/06	RJA	Revised Anchorage.

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

Drawing No. FLEX25110
Sheet 2 of 2

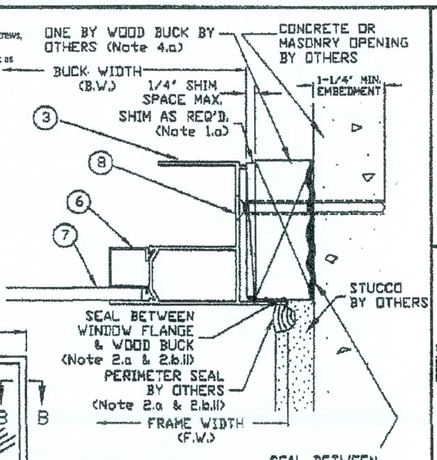


SECTION A-A

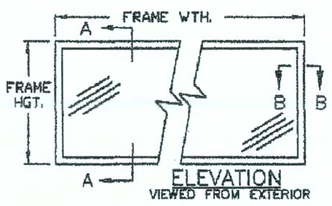


SECTION A-A (ALTERNATE)
For installation with two by wood bucks.
Similar for Section B-B (not shown).

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage [i.e., concrete screws, wood screws, tapping screws and Vulkem Structural Adhesive (or other approved equal) as applicable] 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, sealers or other joint sealant practices does not constitute a warranty either expressed or implied.



SECTION B-B



ELEVATION
VIEWED FROM EXTERIOR

PARTS LIST

1 Head - Flange Frame
2 Sill - Flange Frame
3 Jamb - Flange Frame
4 Head - Sash
5 Sill - Sash
6 Glazing Bead
7 Glazing - See Note (B) and (C)
8 3/16" Dia. Flat Head Concrete Screw with minimum working load in shear of 180 lbs at 1 1/4" embedment. See Note (I) on this drawing and Note 7 on Drawing FLEX20100.
9 #10 Flat Head Wood or Tapping Screw with a minimum embedment of 1-3/8" into "Structural Two By Buck or Framing". See Note (L) on this drawing and Note 8 on Drawing FLEX20100.

GENERAL NOTES

(1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
(A) Milestone Series 1000 Horizontal Sliding Aluminum Window in XO, OX and XOX configurations is shown.
(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, 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.
(D) For Fastener 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) Not Used
(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.

FASTENER INSTALLATION INSTRUCTIONS - FLEX25110 (CONTINUED ON SHEET 2)

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 head and jambs and masonry or concrete sill, installation is as follows:
jambs and masonry or concrete sill, installation is as follows:
- At the head 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 this drawing for concrete screw size, embedment and load requirements. See FLEX20100, Note 7 for additional concrete screw requirements.
- At the sill, apply a Structural Adhesive Sealant for the full length of the Sill meeting the requirements of Note 2.b.i on FLEX20100.

(J) See fastener quantity table on sheet 2 for concrete screw quantities and additional installation requirements.
(K) Horizontal Sliding XO-OX and XOX configurations are fabricated with the required number of holes for installations. All factory applied installation fastener holes in the head and jambs will be filled with concrete screws in accordance with note (I) above.

#10 WOOD SCREW WITH STRUCTURAL TWO BY WOOD BUCK (See Section A-A, Alternate on Sheet 1. Similar for Section B-B):

(L) Where window is installed in an opening with a structural two by wood buck for the head and jambs and a masonry or concrete sill, installation is as follows:
- At the head 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 this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
- At the sill, apply a Structural Adhesive Sealant for the full length of the Sill meeting the requirements of Note 2.b.i on FLEX20100.

(M) See fastener quantity table this sheet for wood screw quantities and additional installation requirements.
(N) Horizontal Sliding XO-OX and XOX configurations are fabricated with the required number of holes for installations. All factory applied installation fastener holes in the head and jambs will be filled with #10 wood screws in accordance with note (L) above.
(O) Wood screws shall not be used to fasten assembly into the end grain of wood.

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TITLE
Milestone Series 1000
Non-Impact Resistant Aluminum Flange Frame Horizontal Sliding Window
Installation Drawing for Masonry Substrate with Concrete Screws

No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0020 Supersedes FLEX0022
1	11/14/06	RJA	Revised Anchorage.

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

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

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

Drawing No. FLEX25110
Sheet 1 of 2

HORIZONTAL

WINb

SHEET:

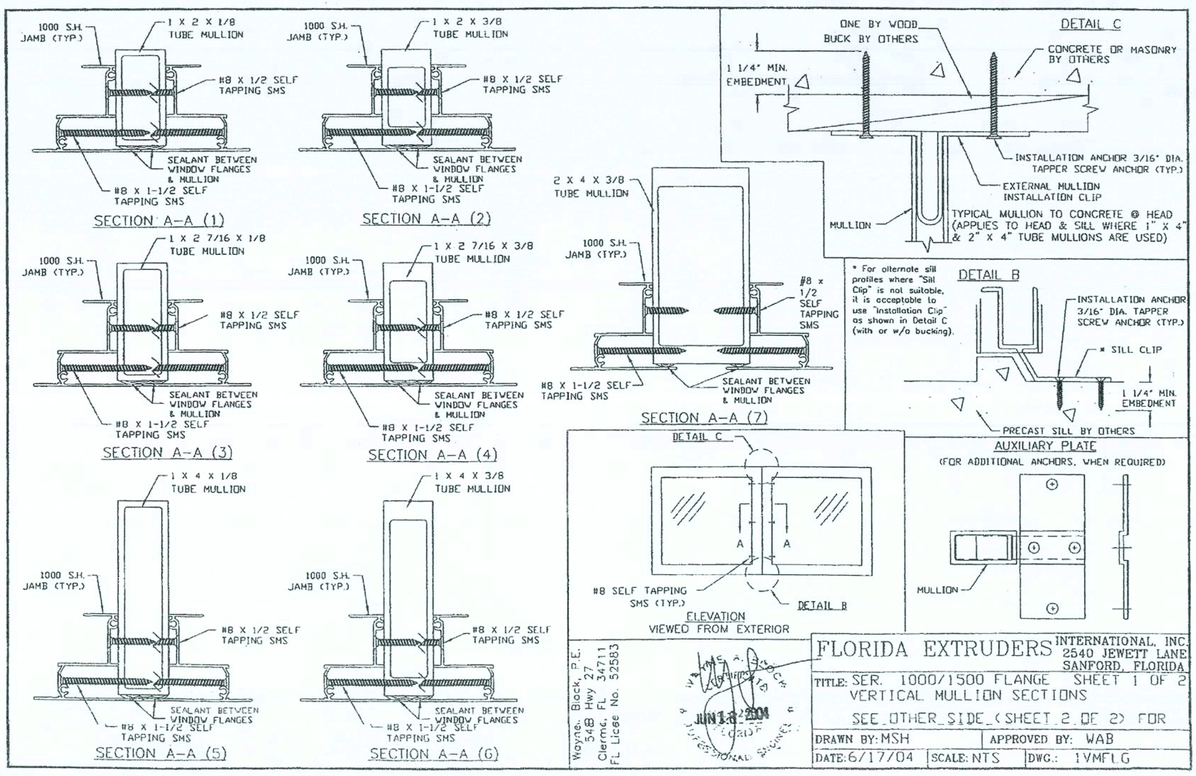
FLORIDA EXTRUDERS
WINDOWS IN BLOCK
4 of 6
RELEASE DATE: 09/03/08

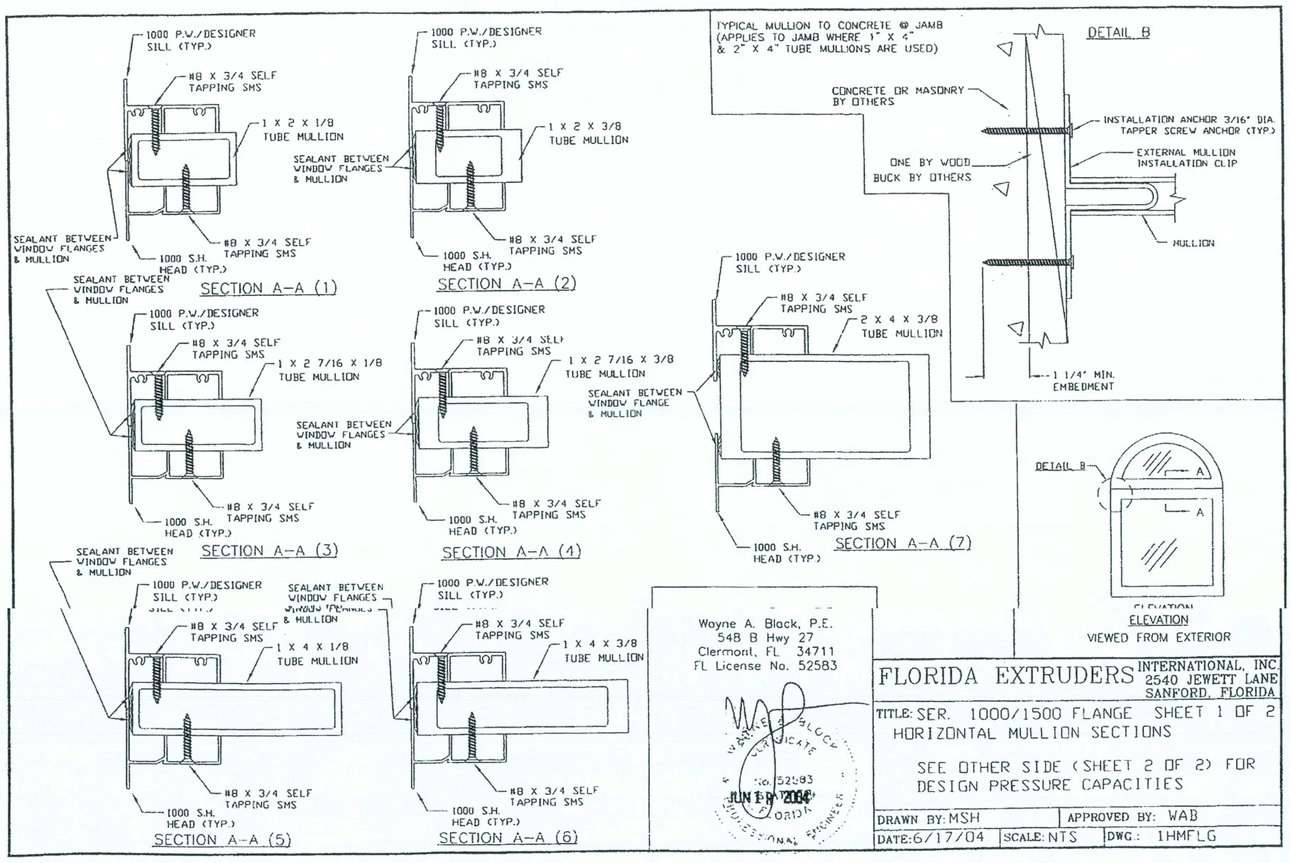
Maronda Homes
(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

REVISIONS :
2-16-09 Updated to Code.

Florida Product Approval # FL3136-R3

MULLIONS





SHEET: WINb

FLORIDA EXTRUDERS

WINDOWS IN BLOCK

5 of 6

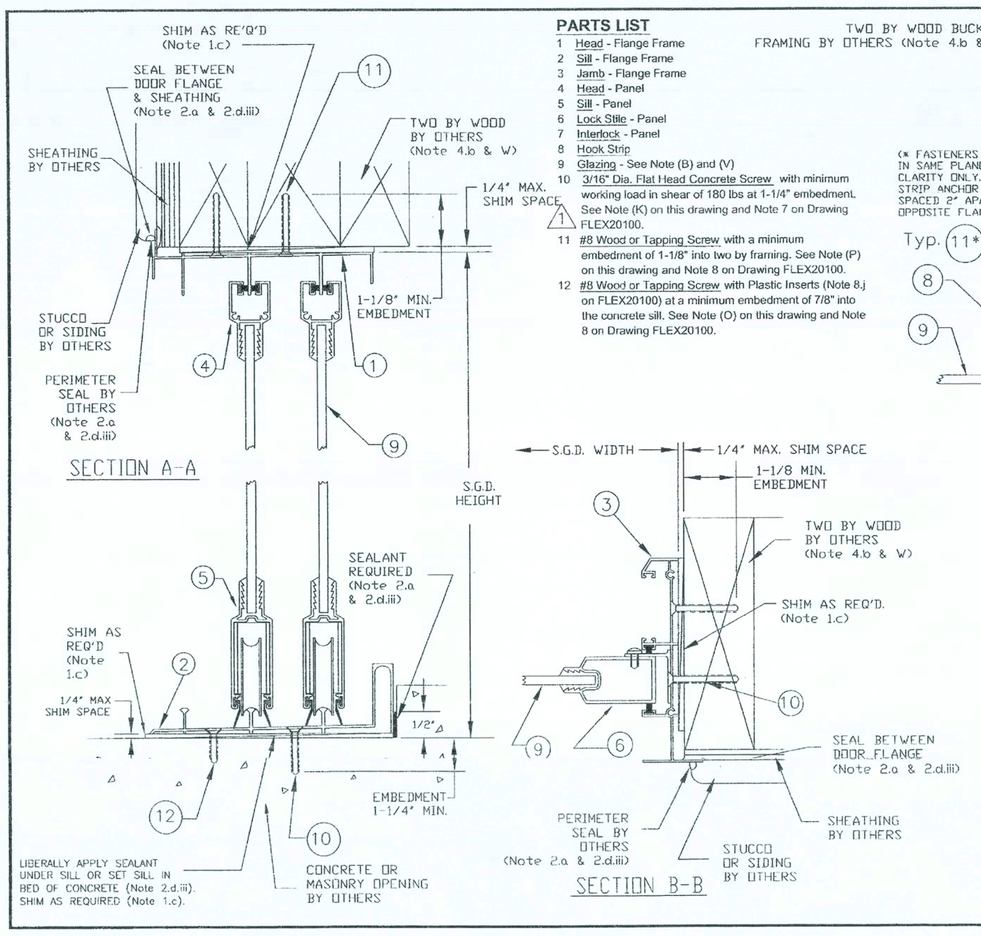
RELEASE DATE: 09/03/08

Maronda Homes

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

REVISIONS :

2-16-09 Updated to Code.



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 180 lbs at 1-1/4" embedment. See Note (K) on this drawing and Note 7 on Drawing FLEX20100.
11. #8 Wood or Tapping Screw with a minimum embedment of 1-1/8" into two by framing. See Note (P) on this drawing and Note 8 on Drawing FLEX20100.
12. #8 Wood or Tapping Screw with Plastic Inserts (Note 8.j on FLEX20100) at a minimum embedment of 7/8" into the concrete sill. See Note (O) on this drawing and Note 8 on Drawing FLEX20100.

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for screws and tapping screws) 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.

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Florida COA No. 9235

TITLE: Milestone Series 1000 & 2000 Non-Impact Resistant Aluminum Flange Frame Sliding Glass Door Installation Drawing for Concrete Sill w/Concrete Screws & Wood Substrate w/#8 Wood Screws

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0027.
1	3/02/07	RJA	Revised for new testing.

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

Robert J. Amoruso, P.E.
FL License No. 49752
ROBERT JAMES AMORUSO No 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/2/07

Drawing No. FLEX24111
Sheet 1 of 2

Florida Product Approval # FL8409.2 SLIDING GLASS DOORS

Fastener Installation Chart

Size Code	Configuration	Size Width	Size Height	Jamb (No. 8 WS)	Head (No. 8 WS)	Sill (3/16" CS)	Hook Strip (No. 8 WS)
				Required Quantities of Fasteners			
4068	XX, OX, XO	48	80	8	6	3 (D0)	8
5068	XX, OX, XO	60	80	8	6	3 (D0)	8
6068	XX, OX, XO	72	80	8	8	4 (D0)	8
8068	XX, OX, XO	96	80	8	10	5 (D0)	8
10068	XX, OX, XO	120	80	8	12	7 (D1)	8
5080	XX, OX, XO	60	96	10	8	3 (D0)	10
6080	XX, OX, XO	72	96	10	8	4 (D0)	10
8080	XX, OX, XO	96	96	10	10	5 (D0)	10
10080	XX, OX, XO	120	96	10	12	8 (D2)	10
50100	XX, OX, XO	60	120	12	6	3 (D0)	12
60100	XX, OX, XO	72	120	12	8	4 (D0)	12
80100	XX, OX, XO	96	120	12	10	5 (D0)	12
9068	OXO	109 1/8	80	8	10	6 (D1)	8
12068	OXO	145 1/8	80	8	14	9 (D2)	8
15068	OXO	181 1/8	80	8	16	12 (D4)	8
9080	OXO	109 1/8	96	10	10	7 (D2)	10
12080	OXO	145 1/8	96	10	14	10 (D3)	10
15080	OXO	181 1/8	96	10	16	14 (D6)	10
90100	OXO	109 1/8	120	12	10	7 (D2)	12
120100	OXO	145 1/8	120	12	14	11 (D4)	12
9068	XXX	106 5/8	80	8	10	6 (D1)	8
12068	XXX	142 5/8	80	8	14	9 (D2)	8
15068	XXX	178 5/8	80	8	16	12 (D4)	8
9080	XXX	106 5/8	96	10	10	6 (D1)	10
12080	XXX	142 5/8	96	10	14	10 (D3)	10
15080	XXX	178 5/8	96	10	16	14 (D6)	10
90100	XXX	106 5/8	120	12	10	7 (D2)	12
12100	XXX	142 5/8	120	12	14	11 (D4)	12
10068	OXXO	119 5/8	80	8	12	7 (D1)	8
12068	OXXO	143 5/8	80	8	14	9 (D2)	8
16068	OXXO	191 5/8	80	8	18	13 (D4)	8
10080	OXXO	119 5/8	96	10	12	8 (D2)	10
12080	OXXO	143 5/8	96	10	14	10 (D3)	10
16080	OXXO	191 5/8	96	10	18	15 (D6)	10
100100	OXXO	119 5/8	120	12	12	8 (D2)	12
120100	OXXO	143 5/8	120	12	14	11 (D4)	12
160100	OXXO	191 5/8	120	12	18	17 (D8)	12
10068	XXXX	117 1/4	80	8	12	7 (D1)	8
12068	XXXX	141 1/4	80	8	14	9 (D2)	8
16068	XXXX	189 1/4	80	8	18	13 (D4)	8
10080	XXXX	117 1/4	96	10	12	8 (D2)	10
12080	XXXX	141 1/4	96	10	14	10 (D3)	10
16080	XXXX	189 1/4	96	10	18	15 (D6)	10
100100	XXXX	117 1/4	120	12	12	8 (D2)	12
120100	XXXX	141 1/4	120	12	14	11 (D4)	12
160100	XXXX	189 1/4	120	12	18	17 (D8)	12

Fastener Installation Chart Notes:

1) In some cases concrete screws are only required in one of the factory applied installation hole sets (i.e., a hole set being the two holes lying in a plane perpendicular to the width of the door frame). In those cases designated as "D0" in the installation chart, one of the holes will receive a Concrete Screw and the remaining holes will be filled in accordance with Notes O and P.
2) In some cases concrete screws are required in both factory applied installation hole sets. "D1" through "D8" designates in which size & configurations two concrete screws are required. The remaining holes will be filled in accordance with Notes O and P.
   a) "D1" means, install two concrete screws in one set of installation holes.
   b) "D2" means, install two concrete screws in two sets of installation holes.
   c) "D3" means, install two concrete screws in three sets of installation holes.
   d) "D4" means, install two concrete screws in four sets of installation holes.
   e) "D5" means, install two concrete screws in five sets of installation holes.
   f) "D6" means, install two concrete screws in six sets of installation holes.
   g) "D7" means, install two concrete screws in seven sets of installation holes.
   h) "D8" means, install two concrete screws in eight sets of installation holes.
3) Location of additional concrete screws in head & sill should be prioritized as follows:
   a) First adjacent to interlock or butt stiles in head & sill.
   b) Secondly, at each end of head & sill near jamb corner, if needed.
   c) Locations in head & sill other than as listed in a & b.
4) Location of additional concrete screws in jambs should be prioritized as follows:
   a) First, adjacent to locks in jambs.
   b) Secondly, at each end of jambs near head & sill corners.
   c) Locations in jambs other than as listed in a & b.
5) CS = concrete screw and WS = wood screw

GENERAL NOTES

(1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
(A) Milestone Series 1000 Sliding Glass Door is shown. Also applicable to Milestone Series 2000 Sliding Glass Door.
(B) Drawing applicable to Non-Impact Resistant Sliding Glass Doors glazed with 3/16" fully tempered glass. See Note (V).
(C) Where "X" represents moving panel and "O" represents fixed panel, approved configurations are as listed on the fastener installation chart on Sheet 2.
(D) Not all configurations listed on the fastener chart are shown on this drawing, however installation sections "A-A", "B-B" & Hook Strip Detail apply to installation of all approved configurations.
(E) For pocket door configurations, use closest by-pass door size and configuration in the chart to the finished opening of the pocket door.
(F) 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 (J) regarding deviations.
(G) Wood or tapping screw edge distance measured from edge of wood receiving the point to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (J) regarding deviations.
(H) All field supplied holes in the frame (if required) will be 3/16" in diameter.
(I) Wood screw withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fur with a Specific Gravity of 0.50. See Note (J) regarding deviations.
(J) 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.

FASTENER INSTALLATION INSTRUCTIONS - FLEX24111

3/16" DIA. CONCRETE SCREW WITH SILL:

(K) Where door is installed in an opening with a masonry or concrete sill, 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.
(L) See fastener installation chart this sheet for concrete screw quantities and additional installation requirements.
(M) Install one concrete screw in each pair of factory applied installation holes unless noted otherwize on the fasterner installation chart. It is acceptable to install a 3/16" diameter concrete screw with a 1-1/4" embedment in all holes in the sill which will exceed the minimum requirements of the Fastener Installation Chart.
(N) Alternate concrete screw installation fasteners front to back in the sill frame member when both sets of holes are not used.
(O) All remaining factory applied installation fastener holes in the sill not used for concrete screw installation shall be anchored with plastic anchors (see FLEX20100, Note 8.j for details) and #8 wood screws of sufficient length to provide min. 7/8" in. embedment into the concrete or masonry. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEX20100, Note 8 for additional wood screw requirements.

#8 WOOD SCREW WITH STRUCTURAL TWO BY WOOD BUCK FOR HEAD, JAMBS AND POCKET DOOR HOOK STRIP:

(P) Where the head, jambs and pocket door hook strip is installed in a wood opening with a structural two by wood buck and/or framing, use #8 wood screws of sufficient length to achieve 1-1/8" minimum embedment into the two by wood buck and/or framing receiving the point at all factory applied installation holes. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEX20100, Note 8 for additional wood screw requirements.
(Q) See fastener installation chart this sheet for #8 wood screw requirements in jamb(s), head and hook strip.
(R) Not used.
(S) Wood screws shall not be used to fasten assembly into end grain of wood.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(T) If exact door size is not listed in fastener installation chart, use fastener quantity listed for next larger size, for the appropriate design pressure required.
(U) Installations depicted in these instructions acceptable for design pressures to 55 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.
(V) 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.
(W) Two by wood and/or framing 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.
(X) 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 & 2000 Non-Impact Resistant Aluminum Flange Frame Sliding Glass Door Installation Drawing for Concrete Sill w/Concrete Screws & Wood Substrate w/#8 Wood Screws

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0027.
1	3/02/07	RJA	Revised for new testing.

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

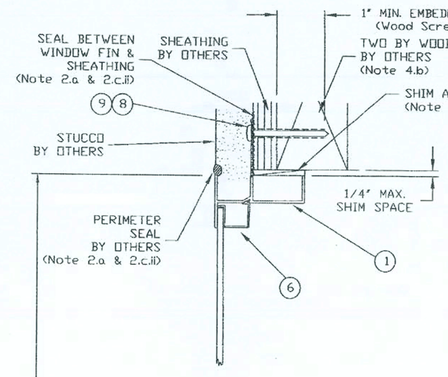
Drawing No. FLEX24111
Sheet 2 of 2

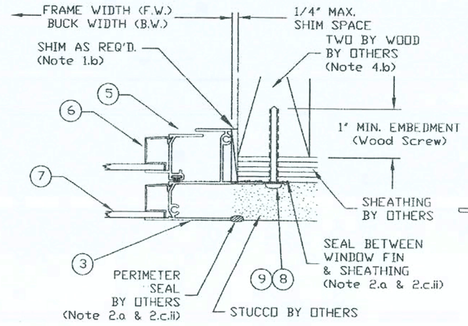
SHEET: WIN6

FLORIDA EXTRUDERS
WINDOWS IN BLOCK
6 of 6
RELEASE DATE: 09/03/08

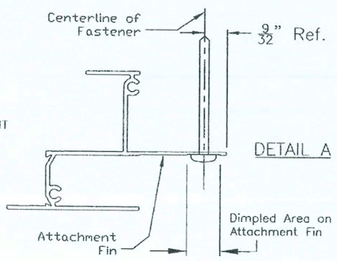
Maronda Homes
(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

REVISIONS :
2-16-09 Updated to Code.

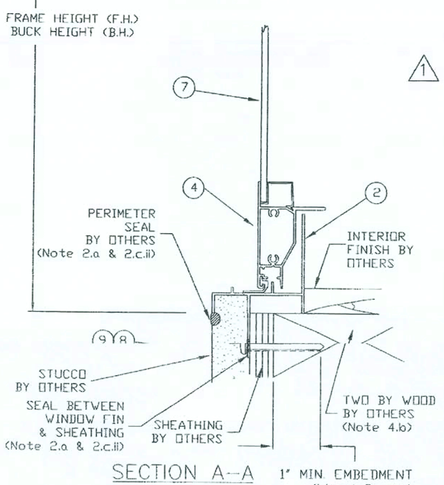




SECTION B-B



Wood Screw or Nail Head must be in full contact with Attachment Fin. Centerline of fastener shall be approximately 9/32" from edge of Attachment Fin.



SECTION A-A

GENERAL NOTES

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

(A) Milestone Series 1000 Single Hung Aluminum Window is shown. Also applicable to Milestone Series 1500 and 2000 Single Hung 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, 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.

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

(E) Wood screw and nail withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fur with a Specific Gravity of 0.50. 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) Nail edge distance measured from edge of wood to centerline of nail must meet or exceed 9/16" or 5 times Shank Diameter, whichever is larger. Minimum size and embedment per Parts List. See Note (H)

(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.

(I) All field supplied holes in the frame (if required) will be 3/16" in diameter for #8 wood screws or the shank diameter of the nail rounded up to the next standard designation drill bit size.

(J) Wood Screws and Nails SHALL NOT be mixed to fasten the same assembly.

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage [i.e., wood screws, tapping screws, nails and Vulkem Structural Adhesive (or other approved equal) as applicable] 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.

FASTENER INSTALLATION INSTRUCTIONS - FLEX21120

#8 WOOD SCREWS:

(K) See sheet 2 for #8 Wood Screw installation fastener chart.

(L) #8 Wood Screw must be of sufficient length to achieve minimum embedment of 1" into the two by wood framing.

(M) See Detail "A" for approximate location of the wood screw on the attachment fin.

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

NAILS:

(O) Nails shall meet the following requirements:
- 0.113" diameter or greater,
- sufficient length to achieve minimum embedment of 1 7/8" into the two by wood framing (generally, nail 2 3/8" length or greater shall meet this requirement), and
- helical (screw) or annular (ring) shank style only.

(P) Manufacturer's nails meeting these requirements are (but not limited to) the following:
- Paslode deformed shank nail No. 404947, 404537, 650111 and 650148

(Q) Spacing of nails shall be:
- 4" from each corner of the head, sill and jambs, and
- evenly spaced between corner fasteners and not exceeding the following O.C. spacing
  - a) 6" o.c. spacing for the jambs & 8" o.c. spacing for the head & sill at 61 PSF to 70 PSF, or
  - b) 7" o.c. spacing for the jambs & 9" o.c. spacing for the head & sill at 56 PSF to 60 PSF, or
  - c) 7" o.c. spacing for the jambs & 11" o.c. spacing for the head & sill at 51 PSF to 55 PSF, or
  - d) 8" o.c. spacing for the jambs & 13" o.c. spacing for the head & sill to 50 PSF.
- see Detail "A" for approximate location of the nail on the attachment fin.

(R) Nails shall not be used to fasten assembly into end grain of wood.

PARTS LIST

1. Head - FinFrame
2. Sill - Fin Frame
3. Jamb - Fin Frame
4. Lift Rail - Sash
5. Jamb - Sash
6. Glazing Bead
7. Glazing - See Note (B) and (C)
8. #8 Pan Head Wood or Tapping Screw with a minimum embedment of 1" into the structural wood substrate. See Note (K) & Detail A on this drawing and Note 4.b & 8 on Drawing FLEX20100.
9. Round Head Deformed Shank Nail with minimum 0.113" diameter (11 GA) and minimum embedment of 1-7/8" into the structural wood substrate. See Note (O) and Detail A on this drawing and Notes 4.b & 9 on Drawing FLEX20100.

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Florida COA No. 9235

TITLE: Milestone Series 1000, 1500 & 2000 Non-Impact Resistant Aluminum Fin Frame Single Hung Window Installation Drawing for Wood Substrate with Wood Screws or Nails

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0026
1	11/10/06	RJA	Revised Anchorage

Date: 11/10/06
Scale: NTS
Drawn By: RJA
Checked By: JH

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

JAMES A. RUSSO LICENSE No. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

Drawing No. FLEX21120
Sheet 1 of 2

No. 8 Wood and Tapping Screw Fastener Location Tables

Series 1000 & 1500

Commodity

Width	Eh / Es	Centerline of Head & Sill (yes/no)	Installation Dwg.
18 1/8	4	no	2
25 1/2	4	no	2
29 1/2	4	no	2
36	4	no	2
41	4	yes	1
47	4	yes	1
52 1/8	4	yes	1

Height	Et	L1	L2	L3	Eb	Installation Dwg.
25	1 1/2	n/a	14 1/8	21 1/8	3 7/8	2
37 3/8	1 1/2	n/a	17 1/8	33 1/2	3 7/8	2
49 5/8	1 1/2	n/a	26 3/8	45 3/4	3 7/8	2
55 1/4	1 1/2	n/a	29 1/4	51 3/8	3 7/8	2
62	1 1/2	7 3/8	32 5/8	58 1/8	3 7/8	1
71	1 1/2	16 3/8	41 5/8	67 1/8	3 7/8	1
83	1 1/2	28 3/8	53 5/8	79 1/8	3 7/8	1

Modular

Width	Eh / Es	Centerline of Head & Sill (yes/no)	Installation Dwg.
23 1/2	4	no	2
27 1/2	4	no	2
31 1/2	4	no	2
35 1/2	4	no	2
39 1/2	4	yes	1
43 1/2	4	yes	1
47 1/2	4	yes	1

Height	Et	L1	L2	L3	Eb	Installation Dwg.
27 1/2	1 1/2	n/a	15 3/8	23 5/8	3 7/8	2
35 1/2	1 1/2	n/a	19 3/8	31 5/8	3 7/8	2
43 1/2	1 1/2	n/a	23 3/8	39 5/8	3 7/8	2
47 1/2	1 1/2	n/a	25 3/8	43 5/8	3 7/8	2
51 1/2	1 1/2	n/a	27 3/8	47 5/8	3 7/8	2
59 1/2	1 1/2	n/a	31 3/8	55 5/8	3 7/8	2
71 1/2	1 1/2	19 3/8	43 3/8	67 5/8	3 7/8	1
71 1/2	1 1/2	19 3/8	43 3/8	67 5/8	3 7/8	1
83 1/2	1 1/2	31 3/8	55 3/8	79 5/8	3 7/8	1

Series 2000

Commodity

Width	Eh / Es	Centerline of Head & Sill (yes/no)	Installation Dwg.
18 1/8	4	no	2
25 1/2	4	no	2
29 1/2	4	no	2
36	4	no	2
41	4	yes	1
47	4	yes	1
52 1/8	4	yes	1

Height	Et	L1	L2	L3	Eb	Installation Dwg.
25	2	n/a	14 1/2	20 1/2	4 1/2	2
37 3/8	2	n/a	20 1/2	33	4 1/2	2
49 5/8	2	n/a	26 1/2	45	4 1/2	2
55 1/4	2	n/a	29 1/2	51	4 1/2	2
62	2	16	32 1/2	57 1/2	4 1/2	1
71	2	26	41 1/2	66 1/2	4 1/2	1
83	2	26	53 1/2	78 1/2	4 1/2	1

Modular

Width	Eh / Es	Centerline of Head & Sill (yes/no)	Installation Dwg.
23 1/2	4	no	2
27 1/2	4	no	2
31 1/2	4	no	2
35 1/2	4	no	2
39 1/2	4	yes	1
43 1/2	4	yes	1
47 1/2	4	yes	1

Height	Et	L1	L2	L3	Eb	Installation Dwg.
27 1/2	2	n/a	15 1/2	23	4 1/2	2
35 1/2	2	n/a	19 1/2	31	4 1/2	2
43 1/2	2	n/a	23 1/2	39	4 1/2	2
47 1/2	2	n/a	25 1/2	43	4 1/2	2
51 1/2	2	n/a	27 1/2	47	4 1/2	2
59 1/2	2	n/a	31 1/2	55	4 1/2	2
71 1/2	2	26	43 1/2	67	4 1/2	1
71 1/2	2	26	43 1/2	67	4 1/2	1
83 1/2	2	26	55 1/2	79	4 1/2	1

Fastener Location Table Notes:

1) All dimensions shown taken from the buck width or height of the window frame.
2) Based on the Milestone Series No. and size of the window to be installed, enter the correct table above to determine the locations of the No. 8 Wood or Tapping Screws based on either Installation No. 1 or No. 2 illustrations at right. The applicable installation illustration is noted in the table.
3) Install the No. 8 Wood or Tapping Screws at the locations shown in the table. Tolerance is + / - 1".
4) An installation fastener is only required at the centerline of the head and sill when indicated in the table as "yes". If "no", an installation fasterner is not required at the centerline of the head and sill.
5) This table is NOT applicable to the nailing option. See Notes O, P, Q, and R for nail installation locations and spacing.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

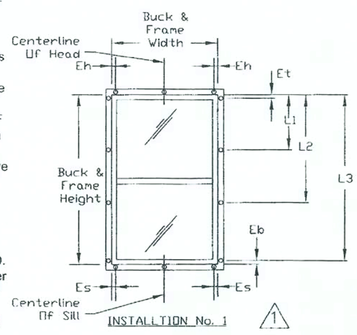
(S) If exact window size is not listed in fastener location table, use fastener locations listed for next larger size.

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

(U) 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.

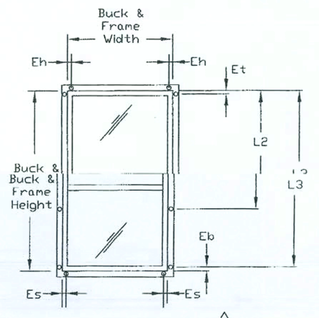
(V) Structural two by wood buck and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the wood structural substrate per the FBC and the engineer of record's details as applicable.

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



INSTALLTION No. 1

Window Size Applicability
>36" to 52-1/8" Wide at Head & Sill
>59-1/2" to 83-1/2" High at Jambs



INSTALLTION No. 2

Window Size Applicability
to 36" Wide at Head & Sill
to 59-1/2" High at Jambs

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www.floridaextruders.com
Florida COA No. 9235

TITLE: Milestone Series 1000, 1500 & 2000 Non-Impact Resistant Aluminum Fin Frame Single Hung Window Installation Drawing for Wood Substrate with Wood Screws or Nails

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0026
1	11/10/06	RJA	Revised Anchorage

Date: 11/10/06
Scale: NTS
Drawn By: RJA
Checked By: JH

Drawing No. FLEX21120
Sheet 2 of 2

Floria Product Approval # FL9262.2

SINGLE HUNG

SHEET: WINf

FLORIDA EXTRUDERS

WINDOWS IN FRAME

1 of 7

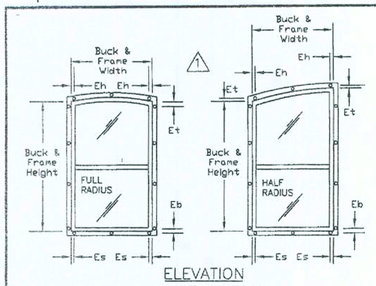
RELEASE DATE: 09/03/08

Maronda Homes

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

REVISIONS :

2-16-09 Updated to Code.

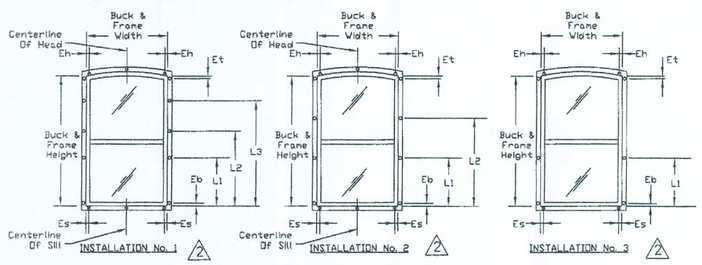


ELEVATION
VIEWED FROM EXTERIOR

FULL AND HALF RADIUS HEAD WINDOWS

Fastener Location Tables (Sheet 3 and 4) are applicable to Full and Half Radius Head SH Windows shown above. Fastener edge distances shown above are applicable to Full and Half Radius Head SH Windows. For intermediate head, sill and jamb fasteners located between edge fasteners, see Installation Illustrations below.

2



Installation Illustrations No. 1, 2 and 3 Showing Locations of Wood Screw Fasteners
See table on Sheet 3 for Series 1000 & 1500 Commodity and Modular Window Sizes
See table on Sheet 4 for Series 2000 Commodity and Modular Window Sizes

Fastener Location Table Notes (See Sheets 3 and 4 for Tables):

1) All dimensions shown taken from the buck width or height of the window frame.
2) Based on the Milestone Series No. and size of the window to be installed, enter a correct table above to determine the locations of the No. 8 Wood or Tapping Screws based on either installation No. 1, No. 2 or No. 3 illustrations below. The applicable installation illustration is noted in the table. The full radius head frame is shown, but illustrations also applicable to half radius head window (see elevation for edge distances at frame head (Et).
3) Install the No. 8 Wood or Tapping Screws at the locations shown in the table. Tolerance is + / - 1 1".
4) An installation fastener is only required at the centerline of the head and sill when indicated in the table as "yes". If "no", an installation fastener is not required at the centerline of the head and sill.
5) This table is NOT applicable to the nailing option. See Notes O, P, Q, and R for nail installation locations and spacing.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(S) If exact window size is not listed in fastener location table, use finer locations listed for next larger size.
(T) Installations located in these instructions acceptable for design pressures to 70 PSF for the window sizes shown in table. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 70 PSF and shall be determined in accordance with Note 13 of FLEX20100.
(U) Production glazing may differ from that tested as allowed by 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 FLEX100 for further details.
(V) Structural two wood buck and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the wood structural substrate per the FBC and/or engineer of record's details as applicable.
(W) See FLEX20, Notes 10 to 15 for additional FBC Code Compliance.

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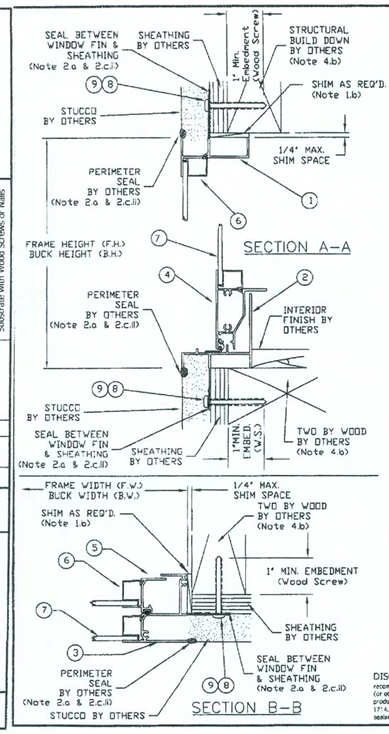
TITLE
Milestone Series 1000, 1500 & 2000
Non-Impact Resistant Aluminum Fin
Frame Radius Head Single Hung
Window Installation Drawing for Wood
Substrate with Wood Screws or Nails

REVISIONS			
No.	Date	By	Description
0	12/27/06	RJA	Supersedes FLEX001
1	11/10/08	RJA	Revised Anchorage.
2	3/30/07	RJA	Editorial Corrections.

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

Drawing No. FLEX22120
Sheet 2 of 4



GENERAL NOTES

(1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
(A) Milestone Series 1000 Single Hung Radius Head Aluminum Window is shown. Also applicable to Milestone Series 1500 and 2000 Single Hung Radius Head Aluminum Windows.
(B) Drawing applicable to Non-Impact Resistant glazed windows.
(C) Production Glazing may differ from that tested as allowed by 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.
(D) For Fastener Quantities and Spacing see Sheet 3 & 4 of this drawing. See Note (H) regarding deviations. 2
(E) Wood screw and nail withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fur with a Specific Gravity of 0.50. 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) Nail edge distance measured from edge of wood to centerline of nail must meet or exceed 9/16" or 5 times Shank Diameter, whichever is larger. Minimum size and embedment per Parts List. See Note (H) regarding deviations.
(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.
(I) All field supplied holes in the frame (if required) will be 3/16" in diameter for #8 wood screws or the shank diameter of the nail rounded up to the next standard designation drill bit size.
(J) Wood Screws and Nails SHALL NOT be mixed to fasten the same assembly.

FASTENER INSTALLATION INSTRUCTIONS - FLEX22120

#8 WOOD SCREWS: 2

(K) See sheets 3 & 4 for #8 Wood Screw installation fastener chart.
(L) #8 Wood Screw must be of sufficient length to achieve minimum embedment of 1" into the two by wood framing.
(M) See Detail "A" for approximate location of the wood screw on the attachment fin.
(N) Wood screws shall not be used to fasten assembly into end grain of wood.

NAILS:

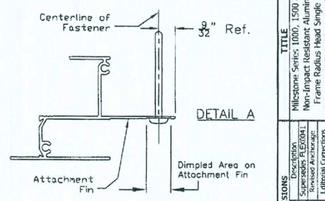
(O) Nails shall meet the following requirements:
- 0.113" diameter or greater,
- sufficient length to achieve minimum embedment of 1 7/8" into the two by wood framing (generally, nail 2 3/8" length or greater shall meet this requirement), and
- helical (screw) or annular (ring) shank style only.

(P) Manufacturer's nails meeting these requirements are (but not limited to) the following:
- Paslode deformed shank nail, No. 404947, 404537, 650111 and 650148.
- Duro-Fast deformed shank nail No. 325.

(Q) Spacing of nails shall be:
- 4" from each corner of the head, sill and jambs, and
- evenly spaced between corner fasteners and not exceeding the following O.C. spacing
  - a) 6" o.c. spacing for the jambs & 8" o.c. spacing for the head & sill at 61 PSF to 70 PSF, or
  - b) 7" o.c. spacing for the jambs & 9" o.c. spacing for the head & sill at 56 PSF to 60 PSF, or
  - c) 7" o.c. spacing for the jambs & 11" o.c. spacing for the head & sill at 51 PSF to 55 PSF, or
  - d) 8" o.c. spacing for the jambs & 13" o.c. spacing for the head & sill at 50 PSF.
- see Detail "A" for approximate location of the nail on the attachment fin.

(R) Nails shall not be used to fasten assembly into end grain of wood.

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., wood screws, tapping screws, nails and Vulkem Structural Adhesive (for other approved equal) as applicable) to achieve the design pressure specified on the fenestration product as required by the 2001 Florida Building Code (FBC), Section 1202.4.4 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.



Wood Screw or Nail Head must be in full contact with Attachment Fin. Centerline of fastener shall be approximately 9/32" from edge of Attachment Fin.

DETAIL A

PARTS LIST

1	Head - Fin Frame
2	Sill - Fin Frame
3	Jamb - Fin Frame
4	Lift Rail - Sash
5	Jamb - Sash
6	Glazing Bead - Rigid Vinyl
7	Glazing - See Note (B) and (C)
8	#8 Pan Head Wood or Tapping Screw with a minimum embedment of 1" into the structural wood substrate. See Note (K) and Detail A on this drawing and Note 4.b & 8 on Drawing FLEX20100.
9	Round Head Deformed Shank Nail, with minimum 0.113" diameter (11 GA) and minimum embedment of 1-7/8" into the structural wood substrate. See Note (O) and Detail A on this drawing and Notes 4.b & 9 on Drawing FLEX20100.

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3/2/07

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Florida COA No. 9235

TITLE
Milestone Series 1000, 1500 & 2000
Non-Impact Resistant Aluminum Fin
Frame Radius Head Single Hung
Window Installation Drawing for Wood
Substrate with Wood Screws or Nails

REVISIONS			
No.	Date	By	Description
0	12/27/06	RJA	Supersedes FLEX001
1	11/10/08	RJA	Revised Anchorage.
2	3/30/07	RJA	Editorial Corrections.

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

Drawing No. FLEX22120
Sheet 1 of 4

No. 8 Wood and Tiping Screw Fastener Location Tables - Series 1000 & 1500 Single Hung Full and Half Radius Head Windows

Series 1000 & 1500 Half Radius and Full Radius Head SH Windows

Modular Call Size	Buck Width and Height			No. 8 Wood Screw Locations							
	Width	Height (Full Radius)	Height (Half Radius)	Eh/Es	Centerline of Head (yes/no)	Et	Eb	L1	L2	L3	Installation No.
2024	23 1/2	28 25/32	23/32	4	no	1 1/2	3 7/8	12 1/8	---	---	3
2030	23 1/2	36 25/32	23/32	4	no	1 1/2	3 7/8	16 1/8	---	---	3
2038	23 1/2	44 25/32	23/32	4	no	1 1/2	3 7/8	20 1/8	---	---	3
2040	23 1/2	48 25/32	23/32	4	no	1 1/2	3 7/8	22 1/8	---	---	3
2044	23 1/2	52 25/32	23/32	4	no	1 1/2	3 7/8	24 1/8	---	---	3
2050	23 1/2	60 25/32	23/32	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2060	23 1/2	72 25/32	23/32	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2070	23 1/2	83 1/2	13 1/2	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2424	27 1/2	29 3/32	13/32	4	no	1 1/2	3 7/8	12 1/8	---	---	3
2430	27 1/2	37 3/32	13/32	4	no	1 1/2	3 7/8	16 1/8	---	---	3
2438	27 1/2	45 3/32	13/32	4	no	1 1/2	3 7/8	20 1/8	---	---	3
2440	27 1/2	49 3/32	13/32	4	no	1 1/2	3 7/8	22 1/8	---	---	3
2444	27 1/2	53 3/32	13/32	4	no	1 1/2	3 7/8	24 1/8	---	---	3
2450	27 1/2	61 3/32	13/32	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2460	27 1/2	73 3/32	13/32	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2470	27 1/2	83 1/2	3 1/2	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2824	31 1/2	29 7/16	1/16	4	no	1 1/2	3 7/8	12 1/8	---	---	3
2830	31 1/2	37 7/16	1/16	4	no	1 1/2	3 7/8	16 1/8	---	---	3
2838	31 1/2	45 7/16	1/16	4	no	1 1/2	3 7/8	20 1/8	---	---	3
2840	31 1/2	49 7/16	1/16	4	no	1 1/2	3 7/8	22 1/8	---	---	3
2844	31 1/2	53 7/16	1/16	4	no	1 1/2	3 7/8	24 1/8	---	---	3
2850	31 1/2	61 7/16	1/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2860	31 1/2	73 7/16	1/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
2870	31 1/2	83 1/2	3 1/2	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3024	35 1/2	29 25/32	23/32	4	no	1 1/2	3 7/8	12 1/8	---	---	3
3030	35 1/2	37 25/32	23/32	4	no	1 1/2	3 7/8	16 1/8	---	---	3
3038	35 1/2	45 25/32	23/32	4	no	1 1/2	3 7/8	20 1/8	---	---	3
3040	35 1/2	49 25/32	23/32	4	no	1 1/2	3 7/8	22 1/8	---	---	3
3044	35 1/2	53 25/32	23/32	4	no	1 1/2	3 7/8	24 1/8	---	---	3
3050	35 1/2	61 25/32	23/32	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3060	35 1/2	73 25/32	23/32	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3070	35 1/2	83 1/2	3 1/2	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3424	39 1/2	30 3/32	13/32	4	yes	1 1/2	3 7/8	12 1/8	---	---	3
3430	39 1/2	38 3/32	13/32	4	yes	1 1/2	3 7/8	16 1/8	---	---	3
3438	39 1/2	46 3/32	13/32	4	yes	1 1/2	3 7/8	20 1/8	---	---	3
3440	39 1/2	50 3/32	13/32	4	yes	1 1/2	3 7/8	22 1/8	---	---	3
3444	39 1/2	54 3/32	13/32	4	yes	1 1/2	3 7/8	24 1/8	---	---	3
3450	39 1/2	62 3/32	13/32	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3460	39 1/2	74 3/32	13/32	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3470	39 1/2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
3824	43 1/2	30 7/16	1/16	4	yes	1 1/2	3 7/8	12 1/8	---	---	3
3830	43 1/2	38 7/16	1/16	4	yes	1 1/2	3 7/8	16 1/8	---	---	3
3838	43 1/2	46 7/16	1/16	4	yes	1 1/2	3 7/8	20 1/8	---	---	3
3840	43 1/2	50 7/16	1/16	4	yes	1 1/2	3 7/8	22 1/8	---	---	3
3844	43 1/2	54 7/16	1/16	4	yes	1 1/2	3 7/8	26 1/8	---	---	3
3850	43 1/2	62 7/16	1/16	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3860	43 1/2	74 7/16	1/16	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3870	43 1/2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
4024	47 1/2	30 25/32	13/32	4	yes	1 1/2	3 7/8	12 1/8	---	---	3
4030	47 1/2	38 25/32	13/32	4	yes	1 1/2	3 7/8	16 1/8	---	---	3
4038	47 1/2	46 25/32	13/32	4	yes	1 1/2	3 7/8	20 1/8	---	---	3
4040	47 1/2	50 25/32	13/32	4	yes	1 1/2	3 7/8	22 1/8	---	---	3
4044	47 1/2	54 25/32	13/32	4	yes	1 1/2	3 7/8	26 1/8	---	---	3
4050	47 1/2	62 25/32	13/32	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
4060	47 1/2	74 25/32	13/32	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
4070	47 1/2	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Series 1000 & 1500 Half Radius and Full Radius Head SH Windows

Commodity Call Size	Buck Width and Height			No. 8 Wood Screw Locations							
	Width	Height (Full Radius)	Height (Half Radius)	Eh/Es	Centerline of Head (yes/no)	Et	Eb	L1	L2	L3	Installation No.
12	18 1/8	25 13/16	27 5/16	4	no	1 1/2	3 7/8	10 7/8	---	---	3
13	18 1/8	38 3/16	39 11/16	4	no	1 1/2	3 7/8	20 1/4	---	---	3
14	18 1/8	50 7/16	51 15/16	4	no	1 1/2	3 7/8	23 1/4	---	---	3
145	18 1/8	56 1/16	57 9/16	4	no	1 1/2	3 7/8	26	---	---	3
15	18 1/8	62 13/16	64 5/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
16	18 1/8	71 13/16	73 5/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
17	18 1/8	83	83	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
1H2	25 1/2	26 7/16	28 9/16	4	no	1 1/2	3 7/8	10 7/8	---	---	3
1H3	25 1/2	38 13/16	40 15/16	4	no	1 1/2	3 7/8	20 1/4	---	---	3
1H4	25 1/2	51 7/16	53 3/16	4	no	1 1/2	3 7/8	23 1/4	---	---	3
1H45	25 1/2	56 1/16	58 13/16	4	no	1 1/2	3 7/8	26 1/2	---	---	3
1H5	25 1/2	63 7/16	65 9/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
1H6	25 1/2	72 7/16	74 9/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
1H7	25 1/2	83	83	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3H2	29 1/2	26 73/96	29 11/48	4	no	1 1/2	3 7/8	10 7/8	---	---	3
3H3	29 1/2	39 13/96	41 29/48	4	no	1 1/2	3 7/8	20 1/4	---	---	3
3H4	29 1/2	51 37/96	53 41/48	4	no	1 1/2	3 7/8	23 1/4	---	---	3
3H45	29 1/2	57 1/96	59 23/48	4	no	1 1/2	3 7/8	27	---	---	3
3H5	29 1/2	63 73/96	66 11/48	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3H6	29 1/2	72 73/96	75 11/48	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
3H7	29 1/2	83 1/96	82 47/48	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
22	36	27 5/16	30 5/16	4	no	1 1/2	3 7/8	10 7/8	---	---	3
23	36	39 11/16	42 11/16	4	no	1 1/2	3 7/8	20 1/4	---	---	3
24	36	51 15/16	54 15/16	4	no	1 1/2	3 7/8	23 1/4	---	---	3
245	36	57 9/16	60 5/16	4	no	1 1/2	3 7/8	26	---	---	3
25	36	64 5/16	67 5/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
26	36	73 5/16	76 5/16	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
27	36	83	83	4	no	1 1/2	3 7/8	29 3/8	54 5/8	---	2
482	47	28 7/32	32 5/32	4	yes	1 1/2	3 7/8	10 7/8	---	---	3
483	47	40 19/32	44 17/32	4	yes	1 1/2	3 7/8	20 1/4	---	---	3
484	47	52 27/32	56 25/32	4	yes	1 1/2	3 7/8	24 1/4	---	---	3
4845	47	58 15/32	62 13/32	4	yes	1 1/2	3 7/8	29 3/8	---	---	3
485	47	65 7/32	69 5/32	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
486	47	74 7/32	78 5/32	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
487	47	83	83 3/32	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
32	52 1/8	28 21/32	33	4	yes	1 1/2	3 7/8	10 7/8	---	---	3
33	52 1/8	41 1/32	45 12/32	4	yes	1 1/2	3 7/8	20 1/4	---	---	3
34	52 1/8	53 9/32	57 29/32	4	yes	1 1/2	3 7/8	23 1/4	---	---	3
345	52 1/8	59 29/32	63 9/32	4	yes	1 1/2	3 7/8	29 3/8	48	---	2
35	52 1/8	65 21/32	70	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
36	52 1/8	74 21/32	79	4	yes	1 1/2	3 7/8	29 3/8	54 5/8	---	2
37	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a

Fastener Location Table Notes: 2

1) All dimensions shown taken from the buck width or height of the window frame.
2) Based on the Milestone Series No. and size of the window to be installed, enter the correct table above to determine the locations of the No. 8 Wood or Tapping Screws based on either installation No. 1, No. 2 or No. 3 illustrations on Sheet 2. The applicable installation illustration is noted in the table. The full radius head frame is shown, but illustrations also applicable to half radius head window (see elevation for edge distances at frame head (Et).
3) Install the No. 8 Wood or Tapping Screws at the locations shown in the table. Tolerance is +/- 1
4) An installation fastener is only required at the centerline of the head and sill when indicated in the table as "yes". If "no", an installation fastener is not required at the centerline of the head and sill.
5) This table is NOT applicable to the nailing option. See Notes O, P, Q, and R for nail installation locations and spacing.

See Sheet 2 for Fstener Installation Illustrations showing locations of fastener spacing dimensions Et, Eb, Eh, Es, L1, 2, L3 and centerline of head/sill requirements shown in the tables above.

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Florida COA No. 9235

TITLE
Milestone Series 1000, 1500 & 2000
Non-Impact Resistant Aluminum Fin
Frame Radius Head Single Hung
Window Installation Drawing for Wood
Substrate with Wood Screws or Nails

REVISIONS			
No.	Date	By	Description
0	12/27/06	RJA	Supersedes FLEX001
1	11/10/08	RJA	Revised Anchorage.
2	3/30/07	RJA	Editorial Corrections.

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

Drawing No. FLEX22120
Sheet 3 of 4

Florida Product Approval # FL9262.2

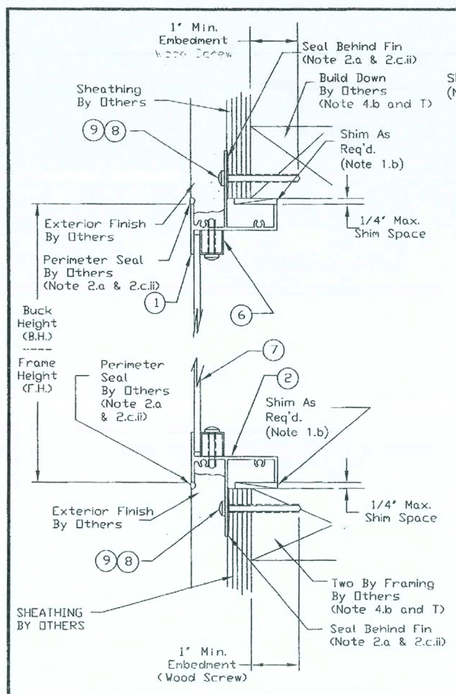
SINGLE HUNG

REVISIONS :
2-16-09 Updated to Code.

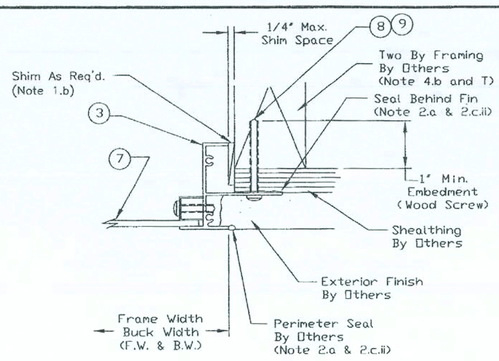
Maronda Homes
4005 MARONDA WAY SANFORD, FLORIDA (407) 321-0064

FLORIDA EXTRUDERS
WINDOWS IN FRAME
2 of 7
RELEASE DATE: 09/03/08

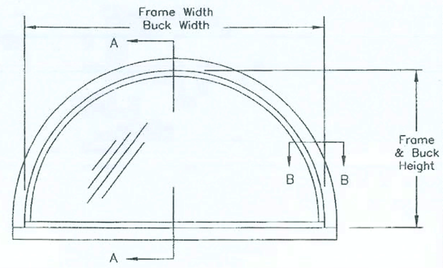
SHEET:
WINf



SECTION A-A



SECTION B-B



EXTERIOR ELEVATION

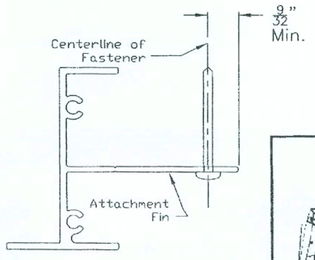
PARTS LIST

2 Sill - Fin Frame
3 Jamb - Fin Frame
4 Not Used
5 Not Used
6 Glazing Bead - Rigid Vinyl
7 Glazing - See Note (B) and (C)
8 #8 Pan Head Wood or Tapping Screw with a minimum embedment of 1" into the structural wood substrate. See Note (K) on Sheet 2 and Detail A on this drawing and Note 4.b & 8 on Drawing FLEX20100.
9 Round Head Deformed Shank Nail with minimum 0.113" diameter (11 GA) and minimum embedment of 1-7/8" into the structural wood substrate. See Note (N) on Sheet 2 and Detail A on this drawing and Notes 4.b & 9 on Drawing FLEX20100.

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 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, 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.
(D) For Fastener Spacing see Notes (L) and (P) on Sheet 2 of this drawing. See Note (H) regarding deviations.
(E) Wood screw and nail withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fur with a Specific Gravity of 0.50. 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) Nail edge distance measured from edge of wood to centerline of is larger. Minimum size and embedment per Parts List. See Note (H) regarding deviations.
(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.
(I) All field supplied holes in the frame (if required) will be 3/16" in diameter for #8 wood screws or the shank diameter of the nail rounded up to the next standard designation drill bit size.
(J) Wood Screws and Nails SHALL NOT be mixed to fasten the same assembly.

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage [i.e., wood screws, tapping screws and nails] 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.



Wood Screw or Nail Head must be in full contact with Attachment Fin. Centerline of fastener shall be approximately 9/32" from edge of Attachment Fin.

DETAIL A

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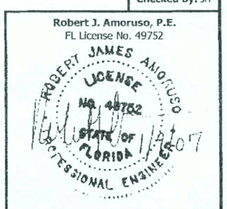

Drawing No. FLEX28120
Sheet 1 of 2

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Florida COA No. 9235

TITLE
Milestone Series 1000 & 2000
Non-Impact Resistant Aluminum Fin
Frame Designer Fixed Window
Installation Drawing for Wood
Substrate with Wood Screws or Nails

REVISIONS

No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0037
1	11/14/06	RJA	Revised Anchorage
2	1/9/07	RJA	Revised edge distance tolerance.

Date: 1/9/07
Scale: NTS
Drawn By: RJA
Checked By: JH

FASTENER INSTALLATION INSTRUCTIONS - FLEX28120

#8 WOOD SCREWS:

(K) #8 Wood Screw must be of sufficient length to achieve minimum embedment of 1" into the two by wood framing or the build-down framing component.
(L) #8 Wood Screw spacing shall be as follows:
- 4-1/2" maximum from each corner of head, sill or jambs,
- evenly spaced between corner fasteners but not exceeding 18" o.c. spacing in head, sill or jambs for the following configurations at design pressures to 70 PSF,
  - 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 fasteners but not exceeding 15" o.c. spacing in head, sill or jambs for the following configurations at design pressures to 70 PSF,
  - o quarter-circle
  - o quarter-circle arch
  - o half-fan
- tolerance is +/- 1", and
- this tolerance is applicable to the evenly spaced distance. 2
- Corner distance measured from frame/buck width or height dimension of frame.

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

NAILS:

(N) Nails shall meet the following requirements:
- 0.113" diameter or greater,
- sufficient length to achieve minimum embedment of 1 7/8" into the two by wood or build-down
- sufficient length to achieve minimum embedment of 1 7/8" into the two by wood or build-down framing (generally, nail 2 3/8" length or greater shall meet this requirement), and
- helical (screw) or annular (ring) shank style only.

(O) Manufacturer's nails meeting these requirements are (but not limited to) the following:
- Paslode deformed shank nail, No. 404947, 404537, 650111 and 650148.
- Duro-Fast deformed shank nail No. 325.

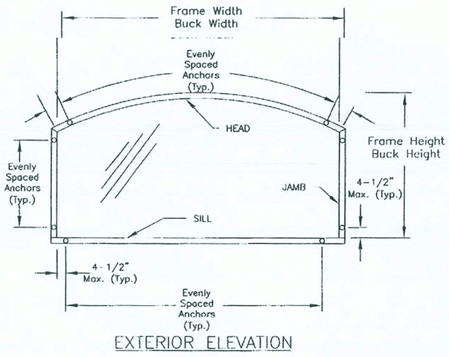
(P) Spacing of nails shall be:
- 4-1/2" maximum from each corner of the head, sill and jambs,
- evenly spaced between corner fasteners but not exceeding the o.c. spacing in head, sill and jambs for the following configurations at design pressures 46 to 70 PSF,
  - o eyebrow 5" o.c. spacing
  - o half-eyebrow 5" o.c. spacing
  - o fan 6" o.c. spacing
  - o half-fan 4" o.c. spacing
  - o full-circle 7" o.c. spacing
  - o half-circle 6" o.c. spacing
  - o half-circle arch 6" o.c. spacing
  - o quarter-circle 4" o.c. spacing
  - o quarter-circle arch 4" o.c. spacing
  - o oval 12" o.c. spacing
  - o octagon 7" o.c. spacing
  - o pentoid 5" o.c. spacing
  - o triangle 5" o.c. spacing
  - o trapezoid 5" o.c. spacing

(P) Spacing of nails shall be (continued):
- evenly spaced between corner fasteners but not exceeding the o.c. spacing in head, sill and jambs for the following configurations at design pressures to 45 PSF,
  - o eyebrow 9" o.c. spacing
  - o half-eyebrow 9" o.c. spacing
  - o fan 9" o.c. spacing
  - o half-fan 7" o.c. spacing
  - o full-circle 11" o.c. spacing
  - o half-circle 9" o.c. spacing
  - o half-circle arch 9" o.c. spacing
  - o quarter-circle 7" o.c. spacing
  - o quarter-circle arch 7" o.c. spacing
  - o oval 17" o.c. spacing
  - o octagon 11" o.c. spacing
  - o pentoid 9" o.c. spacing
  - o triangle 9" o.c. spacing
  - o trapezoid 9" o.c. spacing
- tolerance is +/- 1", and
- this tolerance is applicable to the evenly spaced distance. 2
- Corner distance measured from frame/buck width or height dimension of frame.

(Q) Nails shall not be used to fasten assembly into end grain of wood.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(R) Installations depicted in these instructions acceptable for design pressures to 70 PSF with fastener spacing in Notes (L) and (P). Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 70 PSF and shall be determined in accordance with Note 13 of FLEX20100.
(S) Production Glazing may differ from that tested as allowed byANSI/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.
(T) Structural two by wood and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the wood structural substrate per the FBC and the engineer of record's details as applicable.
(U) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.



EXTERIOR ELEVATION

ANCHOR SPACING ILLUSTRATION
EYEBROW ARCH DESIGNER WINDOW

Drawing No. FLEX28120
Sheet 2 of 2

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Florida COA No. 9235

TITLE
Milestone Series 1000 & 2000
Non-Impact Resistant Aluminum Fin
Frame Designer Fixed Window
Installation Drawing for Wood
Substrate with Wood Screws or Nails

REVISIONS

No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0037
1	11/14/06	RJA	Revised Anchorage
2	1/9/07	RJA	Revised edge distance tolerance.

Date: 1/9/07
Scale: NTS
Drawn By: RJA
Checked By: JH

Flrida Product Approval # FL9242.2

FIXED

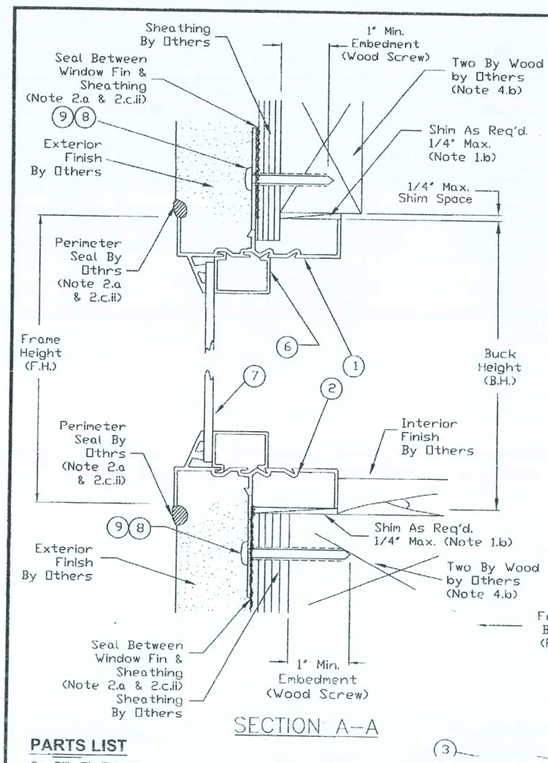
WINf

SHEET:

FLORIDA EXTRUDERS
WINDOWS IN FRAME
3 of 7
RELEASE DATE: 09/03/08

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

REVISIONS :
2-16-09 Updated to Code.



SECTION A–A

GENERAL NOTES

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

(A) Milestone Series 2000 Fixed Aluminum Window is shown. Also applicable to Series 1000 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, 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.

(D) For Fastener Spacing see Elevation View on Sheet 1 and Notes (L) & (P) on Sheet 2 of this drawing. See Note (H) regarding deviations.

(E) Wood screw and nail withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fur with a Specific Gravity of 0.50. See Note (H) regarding deviations.

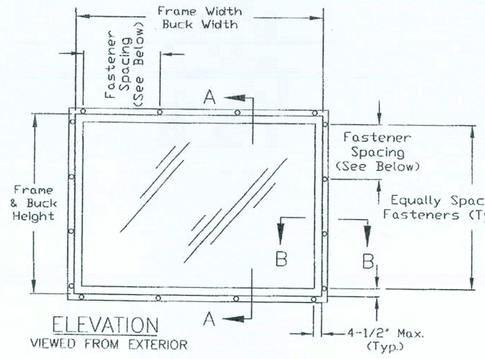
(F) Wood or tapping screw edge distance measured from edge of wood to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (H) regarding deviations.

(G) Nail edge distance measured from edge of wood to centerline of nail must meet or exceed 9/16" or 5 times Shank Diameter, whichever is larger. Minimum size and embedment per Parts List. See Note (H) regarding deviations.

(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.

(I) All field supplied holes in the frame (if required) will be 3/16" in diameter for #8 wood screws or the shank diameter of the nail rounded up to the next standard designation drill bit size.

(J) Wood Screws and Nails SHALL NOT be mixed to fasten the same assembly.



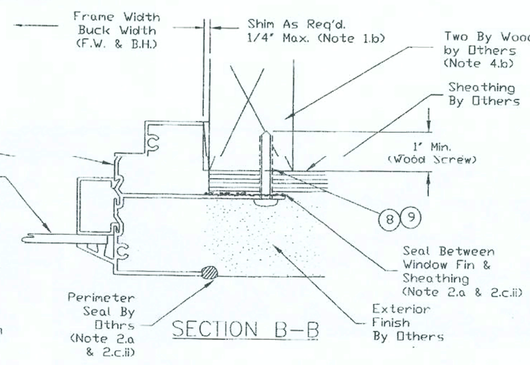
ELEVATION
VIEWED FROM EXTERIOR

Head, Sill & Jamb Anchor Spacing

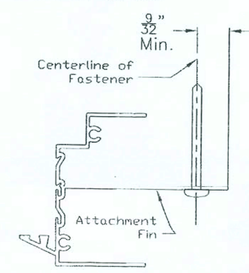
Wood Screw – TO 70 PSF D.P.: 18" O.C. Max.

Nail
61 PSF TO 70 PSF D.P.: 5-1/2" O.C. Max.
51 PSF TO 60 PSF D.P.: 6-1/2" O.C. Max.
46 PSF TO 50 PSF D.P.: 8" O.C. Max.
41 PSF TO 45 PSF D.P.: 8-1/2" O.C. Max.
36 PSF TO 40 PSF D.P.: 9-1/2" O.C. Max.
TO 35 PSF D.P.: 12" O.C. Max.

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., wood screws, tapping screws, and nails) 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.



SECTION B–B



Wood Screw or Nail Head must be in full contact with Attachment Fin. Centerline of fastener shall be approximately 9/32" from edge of Attachment Fin.

DETAIL A

PARTS LIST

2 Sill - Fin Frame
3 Jamb - Fin Frame
4 Not Used
5 Not Used
6 Glazing Bead
7 Glazing - See Note (B) and (C)
8 #8 Pan Head Wood or Tapping Screw with a minimum embedment of 1" into the structural wood substrate. See Note (K) on Sheet 2 and Detail A on this drawing and Note 4.b & 8 on Drawing FLEX20100.
9 Round Head Deformed Shank Nail with minimum 0.113" diameter (11 GA) and minimum embedment of 1-7/8" into the structural wood substrate. See Note (N) on Sheet 2 and Detail A on this drawing and Notes 4.b & 9 on Drawing FLEX20100.

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Florida COA No. 9235

TITLE
Milestone Series 1000 & 2000
Non-Impact Resistant Aluminum Fin
Frame Fixed Window
Installation Drawing for Wood
Substrate with Wood Screws or Nails

REVISIONS

No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0030
1	11/14/06	RJA	Revised Anchorage
2	1/9/07	RJA	Revised edge distance tolerance.

Date: 1/9/07
Scale: NTS
Drawn By: RJA
Checked By: JH

Robert J. Amoruso, P.E.
FL License No. 49752
ROBERT JAMES AMORUSO LICENSE NO. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER

Drawing No. FLEX27120
Sheet 1 of 2

FASTENER INSTALLATION INSTRUCTIONS - FLEX27120

#8 WOOD SCREWS:

(K) #8 Wood Screw must be of sufficient length to achieve minimum embedment of 1" into the two by wood framing.

(L) Spacing of wood screws shall be:
- 4-1/2" max. from each corner of the head, sill and jambs, and
- evenly spaced between corner fasteners but not exceeding 18" o.c. spacing for the head, sill and jambs as shown in Elevation View on Sheet 1 of this drawing.
- Tolerance is +/- 1". This tolerance is applicable to the evenly spaced distance. 2
- Corner distance measured from frame/buck width or height dimension of frame.

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

NAILS:

(N) Nails shall meet the following requirements:
- 0.113" diameter or greater,
- sufficient length to achieve minimum embedment of 1 7/8" into the two by wood framing (generally, nail 2 3/8" length or greater shall meet this requirement), and
- helical (screw) or annular (ring) shank style only.

(O) Manufacturer's nails meeting these requirements are (but not limited to) the following:
- Paslode deformed shank nail, No. 404947, 404537, 650111 and 650148.
- Duro-Fast deformed shank nail No. 325.

(P) Spacing of nails shall be:
- 4-1/2" max. from each corner of the head, sill and jambs, and
- evenly spaced between corner fasteners but not exceeding o.c. spacing for the head, sill and jambs as shown in Elevation View on Sheet 1 of this drawing.
- Tolerance is +/- 1". This tolerance is applicable to the evenly spaced distance. 2
- Corner distance measured from frame/buck width or height dimension of frame.

(Q) Nails shall not be used to fasten assembly into end grain of wood.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(R) Installations depicted in these instructions acceptable for design pressures to 70 PSF with fastener spacing shown the Elevation View on Sheet 1 of this drawing for the following window sizes:
- to 52 1/8" x 95
- to 63" x 80"
- to 71" x 71"
- to 73" x 73"
- to 83" x 55 1/4"
- to 95" x 49 5/8"
- to 119" x 37 3/8"

Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 70 PSF and shall be determined in accordance with Note 13 of FLEX20100.

(S) 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.

(T) Structural two by wood buck and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the wood structural substrate per the FBC and the engineer of record's details as applicable.

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

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2540 Jewett Lane - Sanford, FL 32771
407-323-3300 - 407-322-3507 (fax)
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Florida COA No. 9235

TITLE
Milestone Series 1000 & 2000
Non-Impact Resistant Aluminum Fin
Frame Fixed Window
Installation Drawing for Wood
Substrate with Wood Screws or Nails

REVISIONS

No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0030
1	11/14/06	RJA	Revised Anchorage
2	1/9/07	RJA	Revised edge distance tolerance.

Date: 1/9/07
Scale: NTS
Drawn By: RJA
Checked By: JH

Drawing No. FLEX27120
Sheet 2 of 2

Florida Product Approval # FL9242.2

FIXED

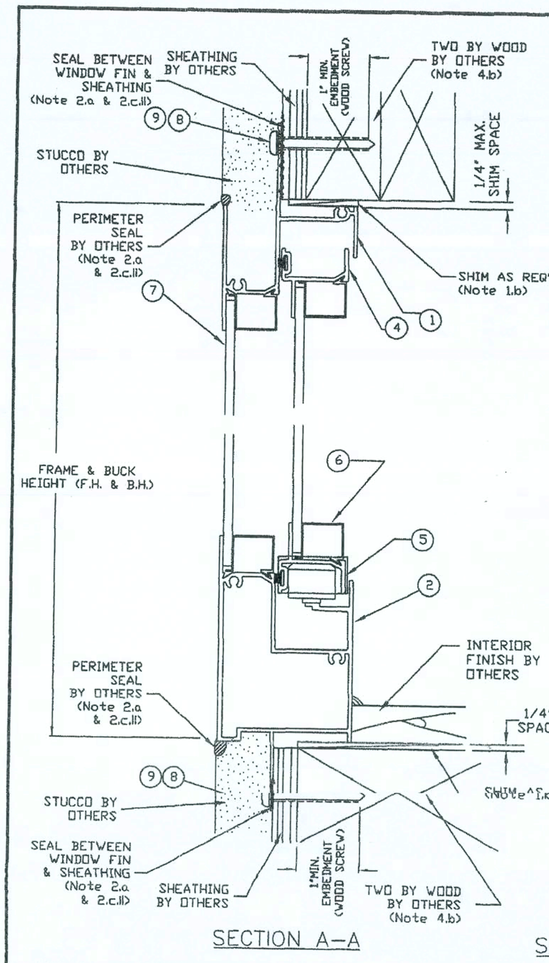
WINf

SHEET:

FLORIDA EXTRUDERS
WINDOWS IN FRAME
4 of 7
RELEASE DATE: 09/03/08

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

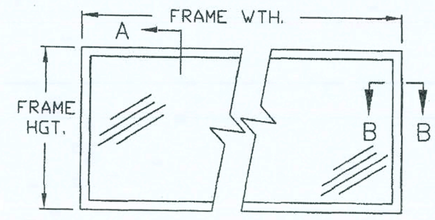
REVISIONS :
3-11-08 Revised
2-16-09 Updated to Code.



SECTION A–A

GENERAL NOTES

(1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
(A) Milestone Series 1000 Horizontal Sliding Aluminum Window in XO, OX and XOX configurations are shown.
(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, 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.
(D) For Fastener Locations see Sheet 2 of this drawing. See Note (H) regarding deviations.
(E) Wood screw and nail withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fur with a Specific Gravity of 0.50. 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) Nail edge distance measured from edge of wood to centerline of nail must meet or exceed 9/16" or 5 times Shank Diameter, whichever is larger. Minimum size and embedment per Parts List. See Note (H) regarding deviations.
(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.
(I) All field supplied holes in the frame (if required) will be 3/16" in diameter for #8 wood screws or the shank diameter of the nail rounded up to the next standard designation drill bit size.
(J) Wood Screws and Nails SHALL NOT be mixed to fasten the same assembly.

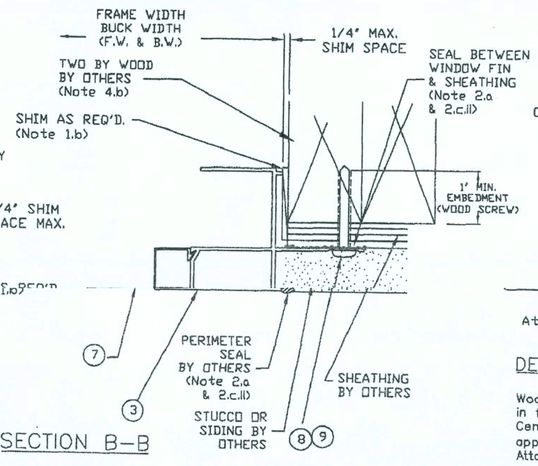


ELEVATION – VIEWED FROM EXTERIOR

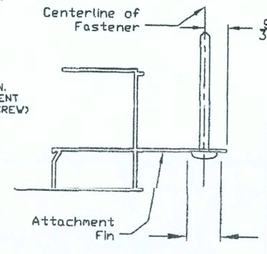
DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., wood screws, tapping screws and nails as applicable) to achieve the design pressure specified on the fenestration product as required by the 2001 Florida Building Code (FBC), Section 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.

PARTS LIST

1 Head - Fin Frame
2 Sill - Fin Frame
3 Jamb - Fin Frame
4 Head - Sash
5 Sill - Sash
6 Glazing Bead
7 Glazing - See Note (B) and (C)
8 #8 Pan Head Wood or Tapping Screw with a minimum embedment of 1" into the structural wood substrate. See Note (K to N) and Detail A on this drawing and Note 4.b & 8 on Drawing FLEX20100.
9 Round Head Deformed Shank Nail with minimum 0.113" diameter (11GA) and minimum embedment of 1-7/8" into the structural wood substrate. See Note (O to R) and Detail A on this drawing and Notes 4.b & 9 on Drawing FLEX20100.



SECTION B–B



DETAIL A

Wood Screw or Nail Head must be in full contact with Attachment Fin. Centerline of fastener shall be approximately 9/32" from edge of Attachment Fin.

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TITLE
Milestone Series 1000
Non-Impact Resistant Aluminum Fin Frame Horizontal Sliding Window Installation Drawing for Wood Substrate with Wood Screws or Nails

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0028 Supersedes FLEX0029
1	11/14/06	RJA	Revised Anchorage
2	1/04/07	RJA	Corrected Editorial Errors & Revised Door Clearance Dimension

Date: 1/04/07
Scale: NTS
Drawn By: RJA
Checked By: JH

Robert J. Amoruso, P.E.
FL License No. 49752
ROBERT JAMES AMORUSO LICENSE No. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER 1/4/07

Drawing No. FLEX25120
Sheet 1 of 2

No. 8 Wood and Tapping Screw Fastener Location Tables 2

Series 1000 Horizontal Slider XO/OX and XOX - Modular

	Buck Height	No. Fasteners in each Jamb	Eb	Et	L1	L2
JAMBS	23	2	6	6	n/a	n/a
	35	2	6	6	n/a	n/a
	47	3	6	6	23 1/2	n/a
	53	4	6	6	19 3/4	13 1/2
	59	4	6	6	21 3/4	15 1/2
	71	4	6	6	25 3/4	19 1/2

Series 1000 Horizontal Slider XO/OX - Modular

	Buck Width	No. Fasteners in Head & Sill	Fastener Location Es	Eh	L3
HEAD & SILL	23	4	4 1/8	4 1/8	8 1/4
	35	4	4 1/8	4 1/8	14 1/4
	47	4	4 1/8	4 1/8	20 1/4
	53	4	4 1/8	4 1/8	23 1/4
	59	4	4 1/8	4 1/8	26 1/4
	65	4	4 1/8	4 1/8	29 1/4
	71	4	4 1/8	4 1/8	32 1/4

Series 1000 Horizontal Slider XOX - Modular

	Buck Width	No. Fasteners in Head & Sill	Fastener Location Es	Eh	L4
HEAD & SILL	71	6	4 1/8	4 1/8	14 1/4
	83	6	4 1/8	4 1/8	14 1/4
	95	6	4 1/8	4 1/8	20 1/4
	107	6	4 1/8	4 1/8	26 1/4
	119	6	4 1/8	4 1/8	26 1/4

FASTENER INSTALLATION INSTRUCTIONS - FLEX25120

#8 WOOD SCREWS:
#8 WOOD SCREWS:
(K) See fastener location table and Elevation Views on this sheet for location of #8 Wood Screws.
(L) #8 Wood Screw must be of sufficient length to achieve minimum embedment of 1" into the two by wood framing.
(M) See Detail "A" on sheet 1 for approximate location of the wood screw in the attachment fin.
(N) Wood screws shall not be used to fasten assembly into end grain of wood.
NAILS:
(O) Nails shall meet the following requirements:
- 0.113" diameter or greater,
- sufficient length to achieve minimum embedment of 1 7/8" into the two by wood framing (generally, nail 2 3/8" length or greater shall meet this requirement), and
- helical (screw) or annular (ring) shank style only.

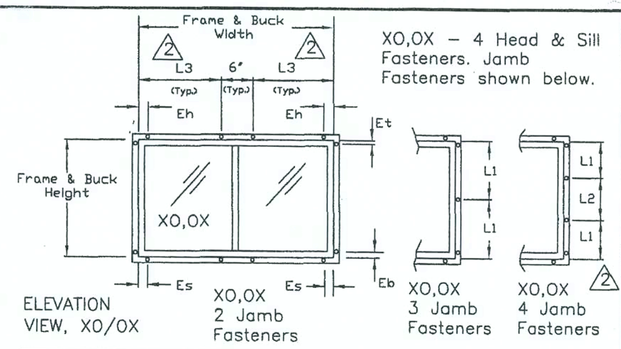
(P) Manufacturer's nails meeting these requirements are (but not limited to) the following:
- Paslode deformed shank nail, No. 404947, 404537, 650111 and 650148.
- Duro-Fast deformed shank nail No. 325.

(Q) Location of nails shall be (+/- 1" tolerance on spacing, edge distance is a maximum): 2
- 4" maximum from each corner of the head, sill and jambs or XO/OX & XOX configurations, and
- for the XO/OX Configuration, 7" O.C. Max. for Jamb, Head and Sill for 46 PSF to 60 PSF DP, or
- for the XO/OX Configuration, 9" O.C. Max. for Jamb, Head and Sill for 36 PSF to 45 PSF DP, or
- for the XO/OX Configuration, 12" O.C. Max. for Jamb, Head and Sill to 35 PSF DP, or
- for the XOX Configuration, 7" O.C. Max. for Jamb & 5" O.C. max. for Head and Sill for 46 PSF to 60 PSF DP, or
- for the XOX Configuration, 9" O.C. Max. for Jamb & 7" O.C. max. for Head and Sill for 36 PSF to 45 PSF DP, or
- for the XOX Configuration, 12" O.C. Max. for Jamb & 9" O.C. max. for Head and Sill to 35 PSF DP, and
- See Detail "A" on sheet 1 for approximate location of the nail in the attachment fin.

(R) Nails shall not be used to fasten assembly into end grain of wood.

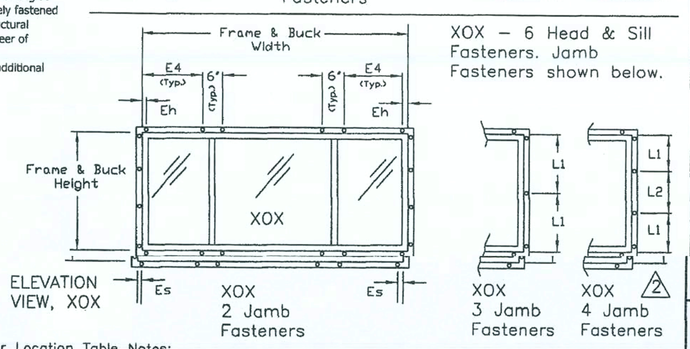
DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(S) If exact window size is not listed in fastener location table, use fastener locations listed for next larger size.
(T) Installations depicted in these instructions acceptable for design pressures to 60 PSF for the window sizes shown in the table. Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 60 PSF and shall be determined in accordance with Note 13 of FLEX20100. Nailing schedule in Note (Q) for design pressures to 35 PSF, 45 PSF and 60 PSF.
(U) 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.
(V) Structural two by wood buck and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the wood structural substrate per the FBC and the engineer of record's details as applicable.
(W) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance. 2



XO,OX – 4 Head & Sill Fasteners. Jamb Fasteners shown below.

ELEVATION VIEW, XO/OX | XO,OX 2 Jamb Fasteners | XO,OX 3 Jamb Fasteners | XO,OX 4 Jamb Fasteners 2



XOX – 6 Head & Sill Fasteners. Jamb Fasteners shown below.

ELEVATION VIEW, XOX | XOX 2 Jamb Fasteners | XOX 3 Jamb Fasteners | XOX 4 Jamb Fasteners 2

Fastener Location Table Notes:

1) All dimensions shown taken from the buck width or height of the window frame.
2) Based on size (buck width and height) and configuration (XO/OX or XOX) of the window to be installed, enter the correct table above to determine the locations of the No. 8 Wood or Tapping Screws in the head, sill and jambs.
3) Install the No. 8 Wood or Tapping Screws at the locations shown in the table. Tolerance is 2 + / – 1" for spacing. Edge distance is a maximum.
4) This table is NOT applicable to the nailing option. See Notes O, P, Q, and R for nail installation locations and spacing.

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Florida COA No. 9235

TITLE
Milestone Series 1000
Non-Impact Resistant Aluminum Fin Frame Horizontal Sliding Window Installation Drawing for Wood Substrate with Wood Screws or Nails

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0028 Supersedes FLEX0029
1	11/14/06	RJA	Revised Anchorage
2	1/04/07	RJA	Corrected Editorial Errors & Revised Door Clearance Dimension

Date: 1/04/07
Scale: NTS
Drawn By: RJA
Checked By: JH

Drawing No. FLEX25120
Sheet 2 of 2

Florida Product Approval # FL9236.1

HORIZONTAL

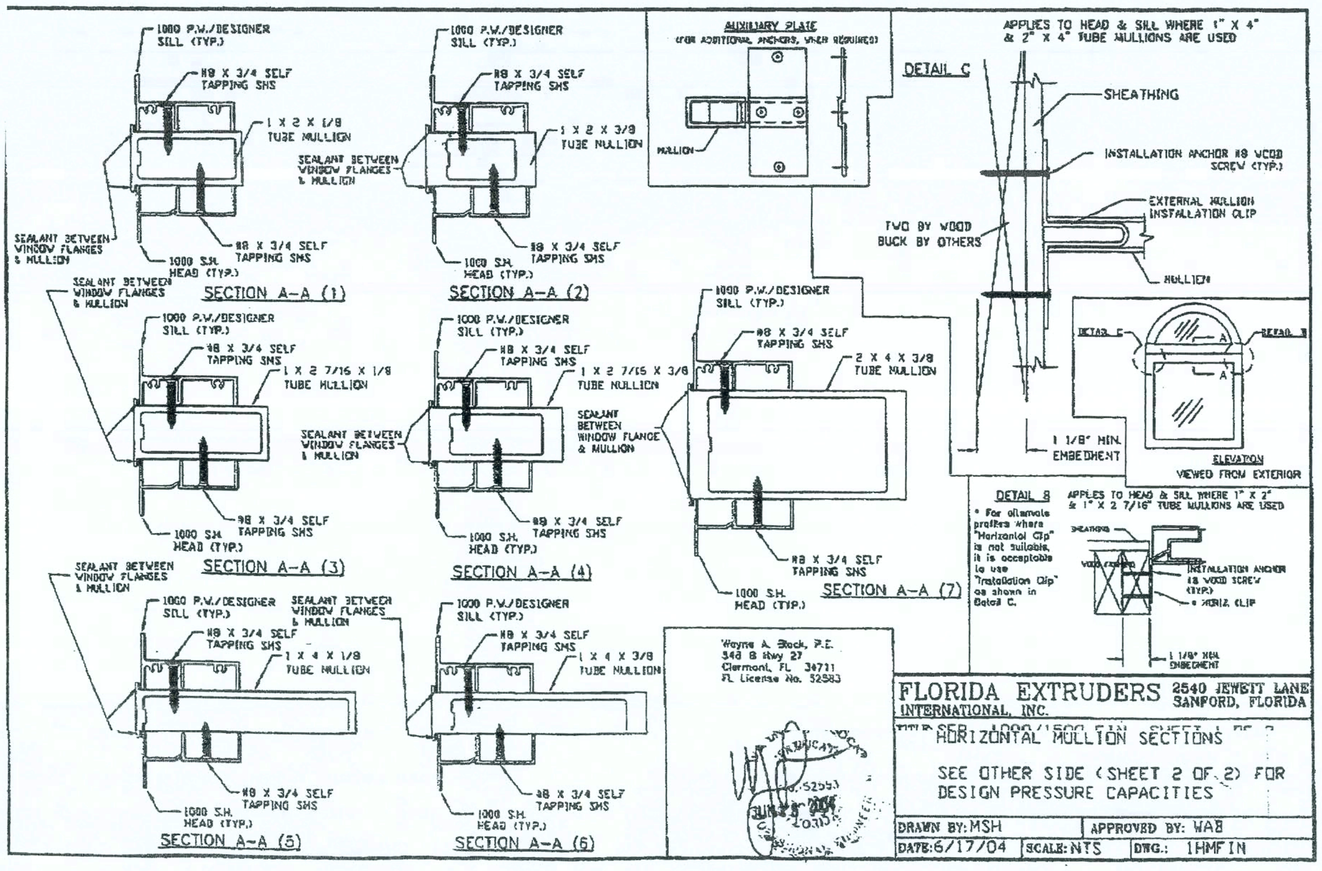
WINf

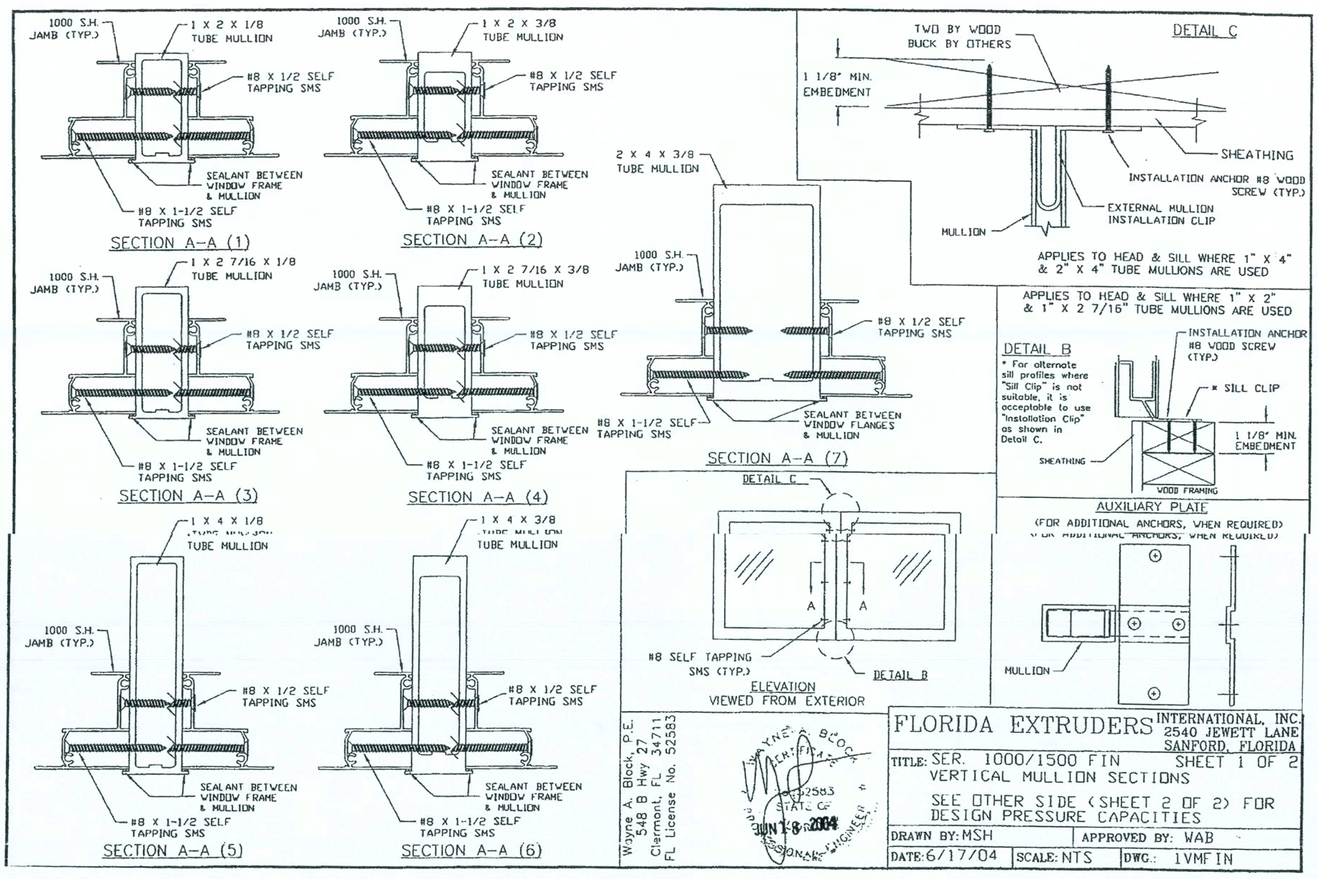
SHEET:

FLORIDA EXTRUDERS
WINDOWS IN FRAME
5 of 7
RELEASE DATE: 09/03/08

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

REVISIONS :
2-16-09 Updated to Code.





Florida Product Approval # FL3136-R3

MULLIONS

WINf

SHEET:

FLORIDA EXTRUDERS

WINDOWS IN FRAME

6 of 7

RELEASE DATE: 09/03/08

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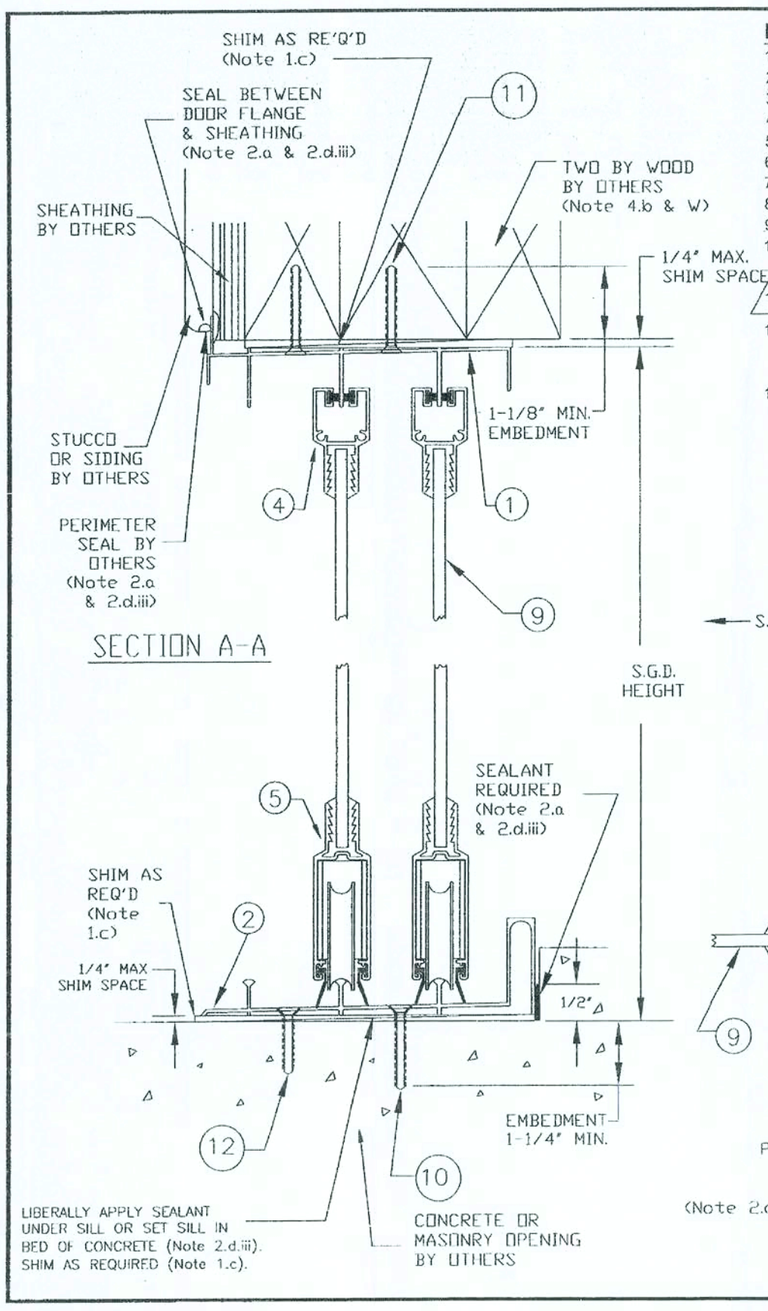
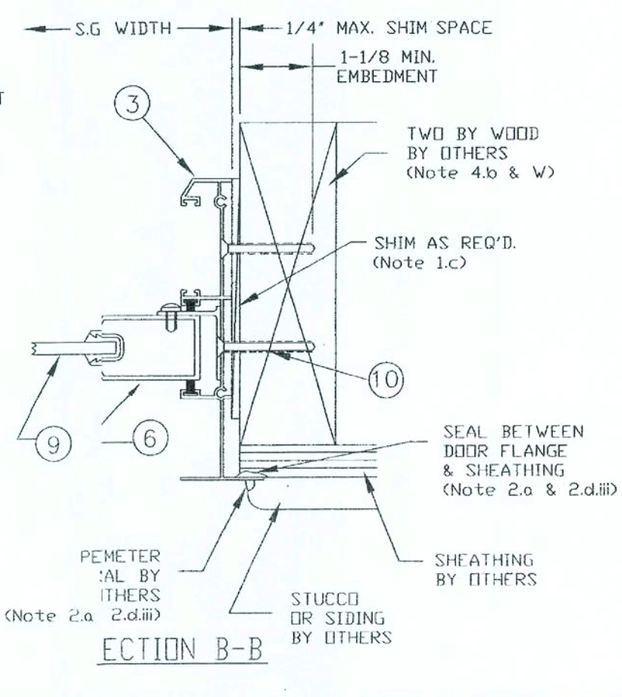
REVISIONS :

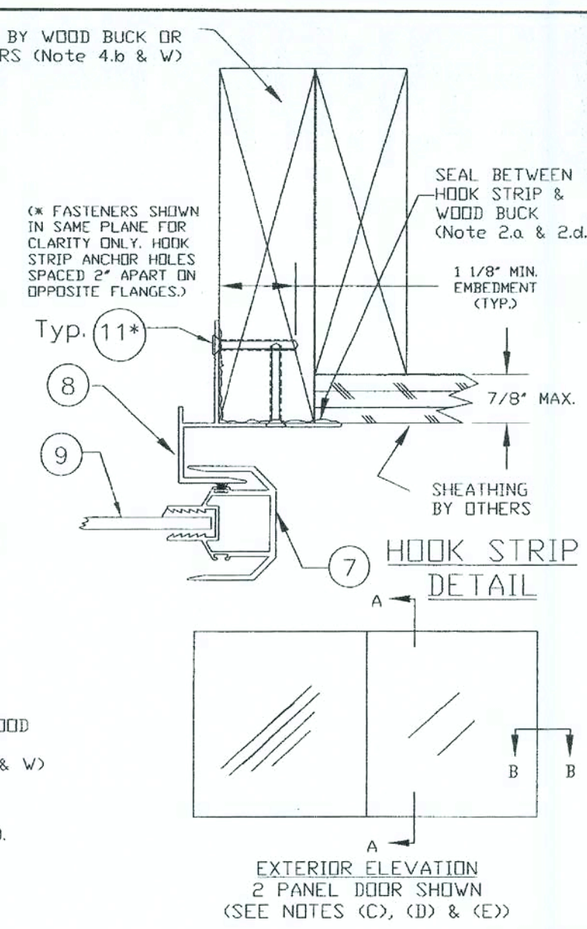
2-16-09 Updated to Code.



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 180 lbs at 1-1/4" embedment. See Note (K) on this drawing and Note 7 on Drawing FLEX20100.
11 #8 Wood or Tapping Screw with a minimum embedment of 1-1/8" into two by framing. See Note (P) on this drawing and Note 8 on Drawing FLEX20100.
12 #8 Wood or Tapping Screw with Plastic Inserts (Note 8.j on FLEX20100) at a minimum embedment of 7/8" into the concrete sill. See Note (O) on this drawing and Note 8 on Drawing FLEX20100.





DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage [i.e., concrete screws, wood screws and tapping screws] 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.

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TITLE
Milestone Series 1000 & 2000 Non-Impact Resistant Aluminum Flange Frame Sliding Glass Door Installation Drawing for Concrete Sill w/Concrete Screws & Wood Substrate w/#8 Wood Screws

REVISIONS

No.	Date	By	Description
0	12/27/05	RJA	Supersedes FLEX0027
1	3/02/07	RJA	Revised for new testing.

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

Robert J. Amoruso, P.E.
FL License No. 49752
ROBERT JAMES AMORUSO LICENSE No. 49752 STATE OF FLORIDA PROFESSIONAL ENGINEER
3/2/07

Drawing No. FLEX24111
Sheet 1 of 2

Florida Product Approval # FL8409.2

SLIDING GLASS DOORS

Fastener Installation Chart

Size Code	Configuration	Size: Width	Size: Height	Required Quantities of Fasteners: Jamb (No. 8 WS)	Head (No. 8 WS)	Sill (3/16" CS)	Hook Strip (No. 8 WS)
4068	XX, OX, XO	48	80	8	6	3 (D0)	8
5068	XX, OX, XO	60	80	8	6	3 (D0)	8
6068	XX, OX, XO	72	80	8	8	4 (D0)	8
8068	XX, OX, XO	96	80	8	10	5 (D0)	8
10068	XX, OX, XO	120	80	8	12	7 (D1)	8
5080	XX, OX, XO	60	96	10	6	3 (D0)	10
6080	XX, OX, XO	72	96	10	8	4 (D0)	10
8080	XX, OX, XO	96	96	10	10	5 (D0)	10
10080	XX, OX, XO	120	96	10	12	8 (D2)	10
50100	XX, OX, XO	60	120	12	6	3 (D0)	12
60100	XX, OX, XO	72	120	12	8	4 (D0)	12
80100	XX, OX, XO	96	120	12	10	5 (D0)	12
9068	OXO	109 1/8	80	8	10	6 (D1)	8
12068	OXO	145 1/8	80	8	14	9 (D2)	8
15068	OXO	181 1/8	80	8	16	12 (D4)	8
9080	OXO	109 1/8	96	10	10	7 (D2)	10
12080	OXO	145 1/8	96	10	14	10 (D3)	10
15080	OXO	181 1/8	96	10	16	14 (D6)	10
90100	OXO	109 1/8	120	12	10	7 (D2)	12
120100	OXO	145 1/8	120	12	14	11 (D4)	12
9068	XXX	106 5/8	80	8	10	6 (D1)	8
12068	XXX	142 5/8	80	8	14	9 (D2)	8
15068	XXX	178 5/8	80	8	16	12 (D4)	8
9080	XXX	106 5/8	96	10	10	6 (D1)	10
12080	XXX	142 5/8	96	10	14	10 (D3)	10
15080	XXX	178 5/8	96	10	16	14 (D6)	10
90100	XXX	106 5/8	120	12	10	7 (D2)	12
12100	XXX	142 5/8	120	12	14	11 (D4)	12
10068	OXXO	119 5/8	80	8	12	7 (D1)	8
12068	OXXO	143 5/8	80	8	14	9 (D2)	8
16068	OXXO	191 5/8	80	8	18	13 (D4)	8
10080	OXXO	119 5/8	96	10	12	8 (D2)	10
12080	OXXO	143 5/8	96	10	14	10 (D3)	10
16080	OXXO	191 5/8	96	10	18	15 (D6)	10
100100	OXXO	119 5/8	120	12	12	8 (D2)	12
120100	OXXO	143 5/8	120	12	14	11 (D4)	12
160100	OXXO	191 5/8	120	12	18	17 (D8)	12
10068	XXXX	117 1/4	80	8	12	7 (D1)	8
12068	XXXX	141 1/4	80	8	14	9 (D2)	8
16068	XXXX	189 1/4	80	8	18	13 (D4)	8
10080	XXXX	117 1/4	96	10	12	8 (D2)	10
12080	XXXX	141 1/4	96	10	14	10 (D3)	10
16080	XXXX	189 1/4	96	10	18	15 (D6)	10
100100	XXXX	117 1/4	120	12	12	8 (D2)	12
120100	XXXX	141 1/4	120	12	14	11 (D4)	12
160100	XXXX	189 1/4	120	12	18	17 (D8)	12

Fastener Installation Chart Notes:
1) In some cases concrete screws are only required in one of the factory applied installation hole sets (i.e., a hole set being the two holes lying in a plane perpendicular to the width of the door frame). In those cases designated as "D0" in the installation chart, one of the holes will receive a Concrete Screw and the remaining holes will be filled in accordance with Notes O and P.
2) In some cases concrete screws are required in both factory applied installation hole sets. "D1" through "D8" designates in which size & configurations two concrete screws are required. The remaining holes will be filled in accordance with Notes O and P.
a) "D1" means, install two concrete screws in one set of installation holes.
b) "D2" means, install two concrete screws in two sets of installation holes.
c) "D3" means, install two concrete screws in three sets of installation holes.
d) "D4" means, install two concrete screws in four sets of installation holes.
e) "D5" means, install two concrete screws in five sets of installation holes.
f) "D6" means, install two concrete screws in six sets of installation holes.
g) "D7" means, install two concrete screws in seven sets of installation holes.
h) "D8" means, install two concrete screws in eight sets of installation holes.
3) Location of additional concrete screws in head & sill should be prioritized as follows:
a) First adjacent to interlock or butt stiles in head & sill.
b) Secondly, at each end of head & sill near jamb corner, if needed.
c) Locations in head & sill other than as listed in a & b.
4) Location of additional concrete screws in jambs should be prioritized as follows:
a) First, adjacent to locks in jambs.
b) Secondly, at each end of jambs near head & sill corners.
c) Locations in jambs other than as listed in a & b.
5) CS = concrete screw and WS = wood screw

GENERAL NOTES

(1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
(A) Milestone Series 1000 Sliding Glass Door is shown. Also applicable to Milestone Series 2000 Sliding Glass Door.
(B) Drawing applicable to Non-Impact Resistant Sliding Glass Doors glazed with 3/16" fully tempered glass. See Note (V).
(C) Where "X" represents moving panel and "O" represents fixed panel, approved configurations are as listed on the fastener installation chart on Sheet 2.
(D) Not all configurations listed on the fastener chart are shown on this drawing, however installation sections "A-A", "B-B" & Hook Strip Detail apply to installation of all approved configurations.
(E) For pocket door configurations, use closest by-pass door size and configuration in the chart to the finished opening of the pocket door.
(F) 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 (J) regarding deviations.
(G) Wood or tapping screw edge distance measured from edge of wood receiving the point to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (J) regarding deviations.
(H) All field supplied screws in the frame (if required) will be 3/16" in diameter.
(I) Wood screw withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fur with a Specific Gravity of 0.50. See Note (J) regarding deviations.
(J) 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.

FASTENER INSTALLATION INSTRUCTIONS - FLEX24111

3/16" DIA. CONCRETE SCREW WITH SILL:

(K) Where door is installed in an opening with a masonry or concrete sill, 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.
(L) See fastener installation chart this sheet for concrete screw quantities and additional installation requirements.
(M) Install one concrete screw in each pair of factory applied installation holes unless noted otherwise on the fastener installation chart. It is acceptable to install a 3/16" diameter concrete screw with a 1-1/4" embedment in all holes in the sill which will exceed the minimum requirements of the Fastener Installation Chart.
(N) Alternate concrete screw installation fasteners front to back in the sill frame member when both sets of holes are not used.
(O) All remaining factory applied installation fastener holes in the sill not used for concrete screw installation shall be anchored with plastic anchors (see FLEX20100, Note 8.j for details) and #8 wood screws of sufficient length to provide min. 7/8" in. embedment into the concrete or masonry. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEX20100, Note 8 for additional wood screw requirements.

#8 WOOD SCREW WITH STRUCTURAL TWO BY WOOD BUCK FOR HEAD, JAMBS AND POCKET DOOR HOOK STRIP:

(P) Where the header, jambs and pocket door hook strip is installed in a wood opening with a structural two by wood buck and/or framing, use #8 wood screws of sufficient length to achieve 1-1/8" minimum embedment into the two by wood buck and/or framing receiving the point at all factory applied installation holes. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment requirements. See FLEX20100, Note 8 for additional wood screw requirements.
(Q) See fastener installation chart this sheet for #8 wood screw requirements in jamb(s), head and hook strip.
(R) Not used.
(S) Wood screws shall not be used to fasten assembly into end grain of wood.

DESIGN PRESSURRATING & FBC CODE COMPLIANCE

(T) If exact door size is not listed in fastener installation chart, use fastener quantity listed for next larger size, for the appropriate design pressure required.
(U) Installations indicated in these instructions acceptable for design pressures to 55 PSF for the window sizes shown in the chart. Design Pressures (DP) 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.
(V) Production Glass 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.
(W) Two by wood d/or framing 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.
(X) See FLEX2010 Notes 10 to 15 for additional FBC Code Compliance.

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1	3/02/07	RJA	Revised for new testing.

Date: 3/02/07
Scale: NTS
Drawn By: RJA
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Drawing No. FLEX24111
Sheet 2 of 2

SHEET: WIN6

FLORIDA EXTRUDERS
WINDOWS IN FRAME
7 of 7
RELEASE DATE: 0/03/08

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REVISIONS :
2-16-09 Updated to Code.