SUNBURY - L

FLORIDA DESIGN CRITERIA
REVISED 05-03-07

BUILDING DATA

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

NATIONAL ELECTRICAL CODE 2005

STRUCTURAL DESIGN PARAMETERS: ASCE 7-2002 (PER FRC 2004 : SECTION R301.2.1.1)

CLASSIFICATION : 2

OCCUPANCY: RESIDENTIAL

BUILDING DESIGN: ENCLOSED

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

EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 0.18

IMPORTANCE FACTOR: 1.0

NUMBER OF STORIES: TWO STORY

BUILDING MEAN ROOF 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 2004, SECTION R109.3)

TERMITE TREATMENT
THE BUILDING AND PATIO SLAB HAVE RECIEVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. (FRC 2004, SECTION R320)

BORA CARE : TERMITE TREATMENT
THE BUILDING HAS RECIEVED A COMPLETE TREATMENT FOR THE PREVENTION OF SUBTERRANEAN TERMITES. THE TREATMENT IS IN ACCORDANCE WITH THE RULES AND LAWS OF THE FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES. (FRC 2004, SECTION R320.1.8)

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

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

WINDBOURNE DEBRIS REGIONS
WINDOWS IN BUILDINGS LOCATED IN WIND-BOURNE DEBRIS REGIONS SHALL HAVE GLAZED OPENINGS PROTECTED FROM WIND-BOURNE DEBRIS. GLAZED OPENING PROTECTION FOR WIND-BORNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996 AND OF ASTM E 1886, SSTD 12, ANSI/DASMA 115 (FOR GARAGE DOORS) OR TAS201, 202 AND 203 . (FRC 2004, SECTION R301.2.1.2)

GEORGIA DESIGN CRITERIA
REVISED 12-07-06

BUILDING DATA

INTERNATIONAL RESIDENTIAL CODE 2006
INTERNATION PLUMBING CODE 2006
INTERNATIONAL MECHANICAL CODE 2006
INTERNATIONAL FUEL GAS CODE 2006

NATIONAL ELECTRICAL CODE 2005

STRUCTURAL DESIGN PARAMETERS: ASCE 7-2002 (SECTION R301.2.1.1)

CLASSIFICATION : 2

OCCUPANCY: RESIDENTIAL

BUILDING DESIGN: ENCLOSED

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

EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: GCpi = +/- 0.18

IMPORTANCE FACTOR: 1.0

NUMBER OF STORIES: TWO STORY

BUILDING MEAN ROOF HEIGHT: 25 FEET, MAX.

1TM02501

INDEX OF DRAWINGS : SUNL3-125R

WOOD TRUSS

REVISIONS :

1TM02501 ORA
25-1 1TM
08-14-07 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 INTERNATIONAL RESIDENTIAL CODE 2006 : FOR BUILDING CODE 2004 RESIDENTIAL AND 2005, 125 MPH, 3 SEC. GUST ; 1 & 2 FAMILY DWELLINGS, EXPOSURE B, ENCLOSED BUILDING, SL-1 NO. ALTERATIONS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

GEORGIA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE INTERNATIONAL RESIDENTIAL CODE 2006 : FOR 125 MPH, 3 SEC. GUST ; 1 & 2 FAMILY DWELLINGS, EXPOSURE B, ENCLOSED BUILDING, SL-1 NO. ALTERATIONS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

p:\Industries_05\sunbury\25\sunl-125.000

AMERICANA | COVER SHEET

SUNBURY
ELEVATION "L"

GARAGE: RIGHT
125 MPH

DRAWN BY:
RELEASE DATE: 04-04-06
10/9/00

Maronda Systems
4005 Maronda Way
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(407)321-0064

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

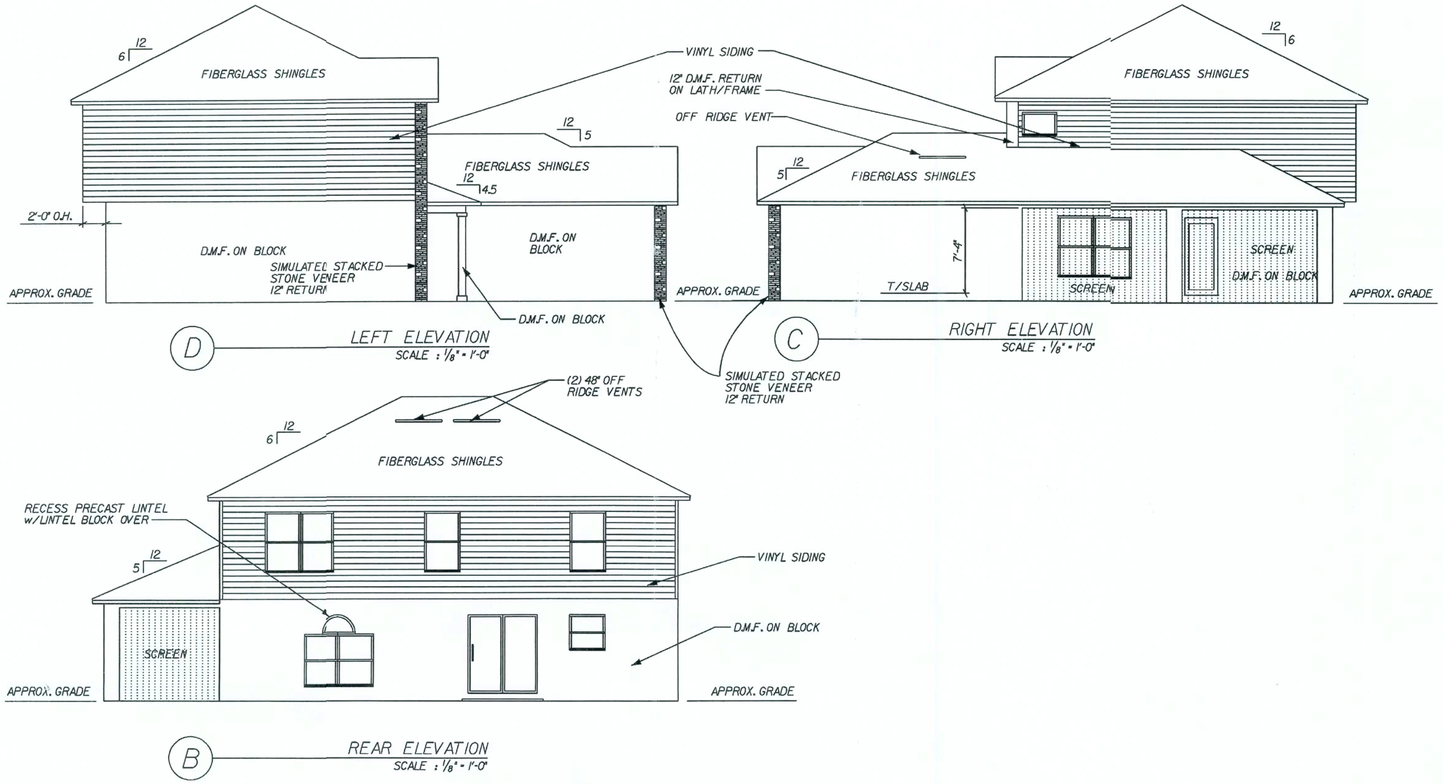
SHEET:
0 L

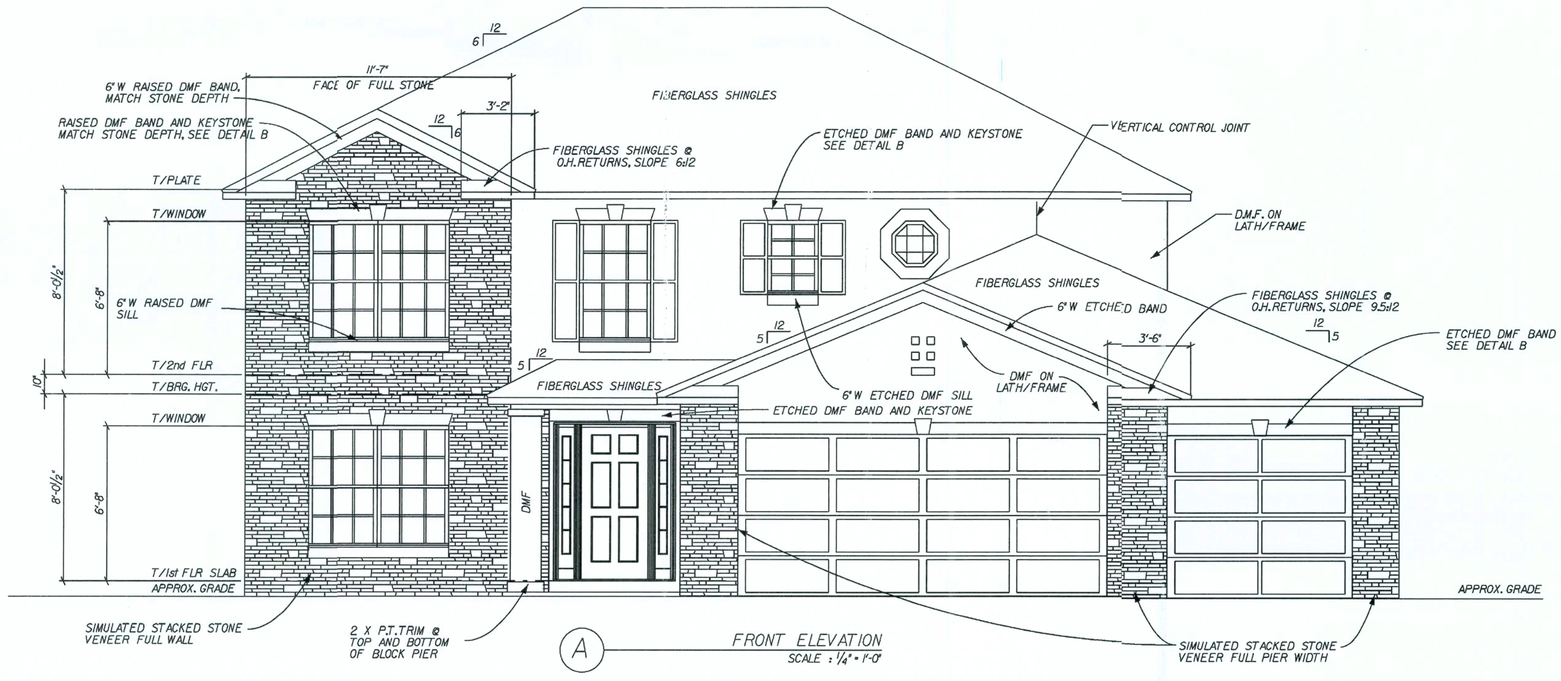
PLOT DATE: 27 AUG 2007

FILE COPY

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

CC

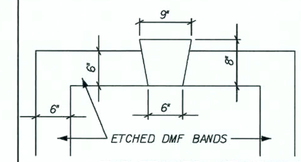




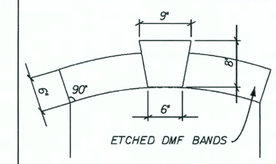
GENERAL ELEVATION NOTES:

REVISED 01-05-06

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.



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



ETCHED DETAIL A
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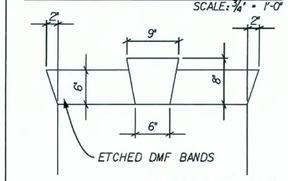

ETCHED DETAIL B
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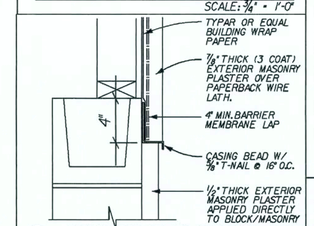

1 HORIZ. FRAME TO MASONRY JOINT
REVISED 12-11-06 SCALE: N.T.S.

REVISIONS :

06-12-06	ADD 12" STONE RETURNS
08-01-06	REV. STUCCO DETAIL
08-08-06	REV. RAISED TRIM
11-10-06	RELEASE FOR PRODUCTION
12-05-06	REV. ROOF RETURNS

Maronda Homes

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

GEORGIA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF INTERNATIONAL RESIDENTIAL CODE 2006

AMERICANA — EXT. ELEVATION

SUNBURY — ELEVATION "L"

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 04-04-06

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Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET: 1L

PLOT DATE: 27 AUG 2007

03901

p:\1houses_05\sunbury\sfd\sun1.dci

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

© DRAWING WAS CREATED BY USING THE FRAMECAD WOOD SOFTWARE AND HAS BEEN REVIEWED BY SE, US, SI, MF, AD, FL, EG, UR, LT AND IL.

GENERAL FOUNDATION NOTES:

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

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

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

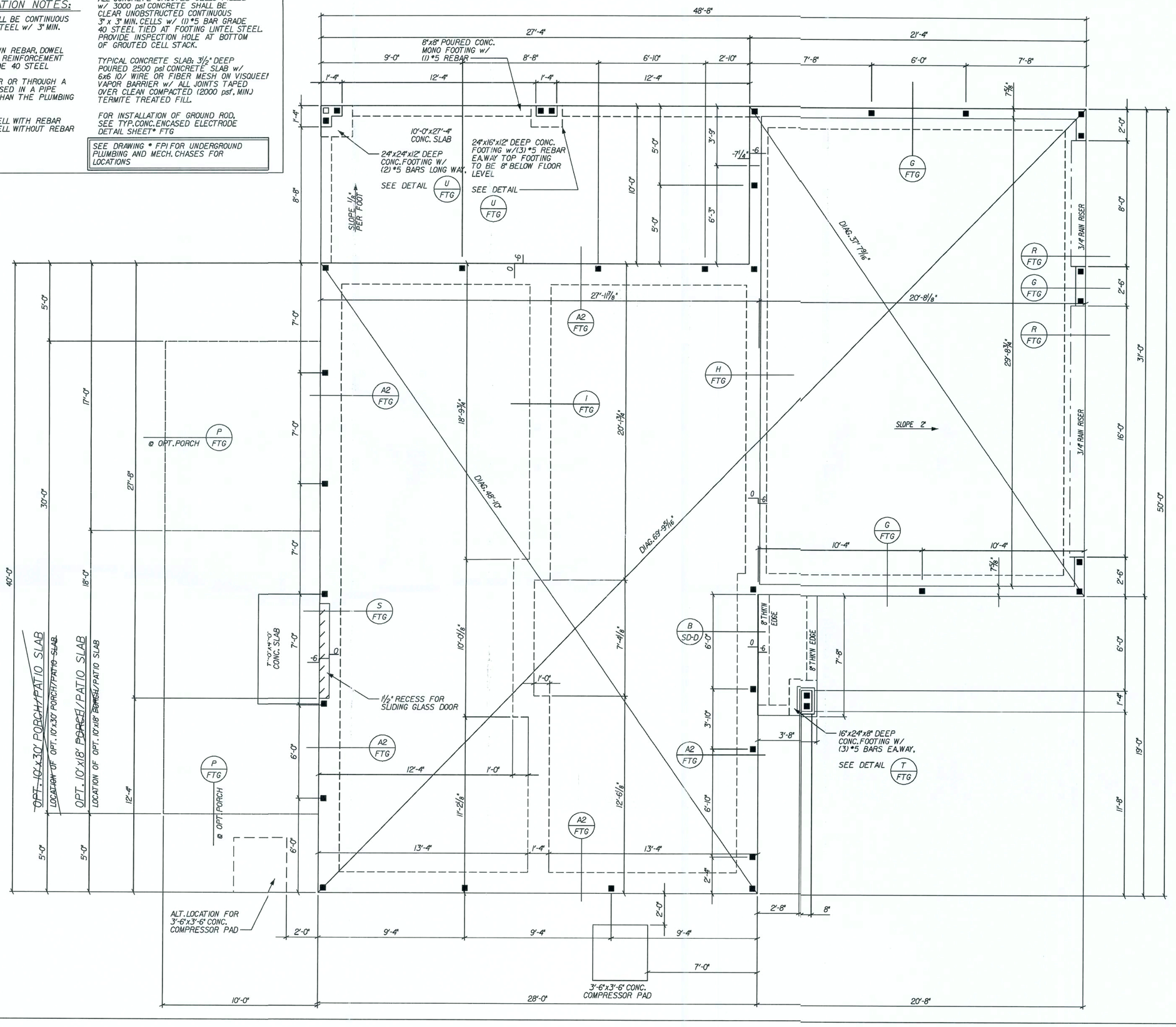
■ = INDICATES FILLED CELL WITH REBAR
□ = INDICATES FILLED CELL WITHOUT REBAR

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

TYPICAL CONCRETE SLAB: 3½" DEEP POURED 2500 psi CONCRETE SLAB w/ 6x6 10/ WIRE OR FIBER MESH ON VISQUEEN VAPOR BARRIER w/ ALL JOINTS TAPED OVER CLEAN COMPACTED (2000 psf. MIN.) TERMITE TREATED FILL.

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

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



REVISIONS :
04-24-06 REVISED NOTE AT GARAGE DOOR
05-15-06 REV. NOTE AT PORCH COL.
06-12-06 ADDED DOOR PAN DETAIL MARKER
08-14-07 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 INTERNATIONAL RESIDENTIAL CODE 2003 FOR 125 MPH - 3 SEC. GUST, HIG. EXPOSURE B, ENCLOSED BUILDING, ALL CONNECTORS ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

GEORGIA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE INTERNATIONAL RESIDENTIAL CODE 2003 FOR 125 MPH - 3 SEC. GUST, HIG. EXPOSURE B, ENCLOSED BUILDING, ALL CONNECTORS ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA | FOUNDATION PLAN

SUNBURY

ELEVATION "L"

GARAGE: RIGHT

125 MPH

DRAWN BY: PH

RELEASE DATE: 04-04-06

10-19-02

p:\f:\houses.05\sunbury\125\sun-125.002

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SEP 26 2007

SHEET:

2 L

PLOT DATE: 27 AUG 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

GENERAL FIRST FLOOR NOTES:

REVISED 02-10-06

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

EXTERIOR WALLS TO BE 7⅝" CONCRETE BLOCK w/ P.T.FURRING STRIPS IN A/C AREA. TOTAL WIDTH = 8⅜"

EXTERIOR OPENING DIMENSIONS ARE TO FACE OF MASONRY OPENING.

INTERIOR LOAD BEARING WALLS TO BE 2x4 WOOD FRAME WALLS w/ STUDS @ 16" O.C., SEE STRUCTURAL WALL SCHEDULE SHEET # TR1

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

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

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

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

PROVIDE SAFETY GLAZING AT: [T] - TEMPERED
- ALL WINDOWS OVER BATH TUBS.
- ALL WINDOWS WITHIN 24" OF A DOOR SWING.
- ALL 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 # W1 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 ½" THICK, U.N.O.

SC DOOR = 20 MINUTE FIRE RATED DOOR, MIN.

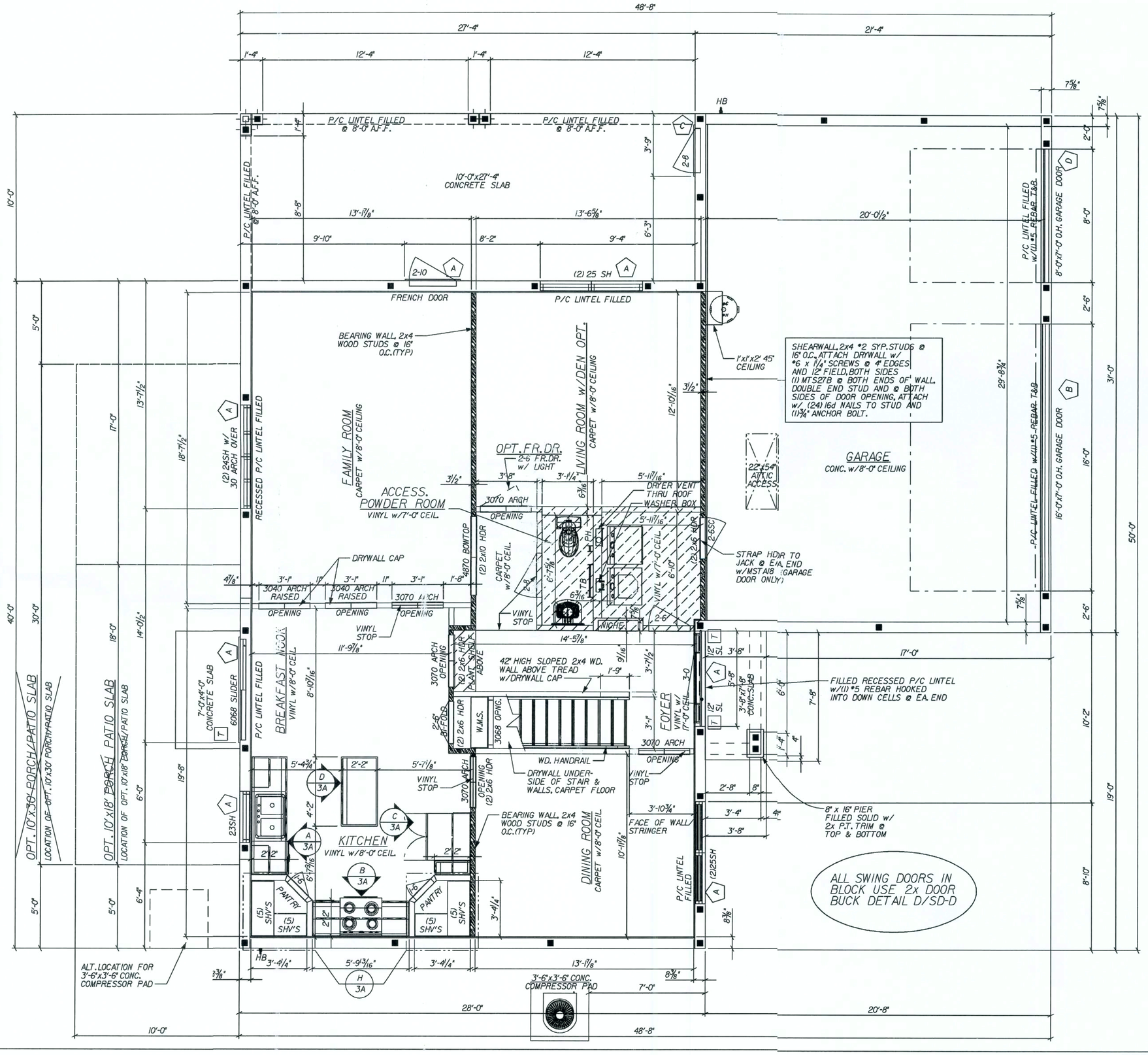
SQUARE FOOTAGE:

1st FLOOR LIVING	1120	SQ.FT.
2nd FLOOR LIVING	1103	SQ.FT.
TOTAL LIVING	2223	SQ.FT.
GARAGE AREA	647	SQ.FT.
COVERED ENTRY	24	SQ.FT.
PORCH AREA	273	SQ.FT.
TOTAL AREA	3167	SQ.FT.

OPENING PRESSURES 125mph:

(A) +28.15 / -30.55	(B) +23.7 / -27.6
(C) +28.15 / -37.7	(D) +24.9 / -29.7

REVISED 02-09-05



REVISIONS :
12-14-06 REV. SERVICE DOOR SWING
08-14-07 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 STATE OF FLORIDA BUILDING CODE 2004 RESIDENTIAL AND 2005 & 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, HIGH EXPOSURE B, ENCLOSED BUILDING, ALL CONNECTORS TO WITHSTAND ALL APPLICABLE LOADS.

GEORGIA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE STATE OF GEORGIA NATIONAL RESIDENTIAL CODE 2006, FOR 125 MPH - 3 SEC. GUST, HIGH EXPOSURE B, ENCLOSED BUILDING, ALL CONNECTORS TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA | FIRST FLOOR PLAN

SUNBURY

ELEVATION "L"

GARAGE: RIGHT
125 MPH

DRAWN BY:
RELEASE DATE: 04-04-06

10/9/03

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License No. 0050068

SEP 26 2007

SHEET:
3 L

PLOT DATE: 27 AUG 2007

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FLORIDA BUILDING CODE 2004 : 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 OPENNG: #10 X 1 3/4" SCREWS
NOTE 8) SGD FASTENED WITH: #10 1 3/4": PATHEAD ALL HOLES SILLS 3/16" X 1 3/4" ANCHORS EVERYWHERE

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.

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. 7/32 wire per ASTM A510.
8. Mortar per ASTM C270 type M or S.

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.
					1H3	26 X 37 7/8	7		
23	37 3/4 X 38 1/4	2,5							
25	37 3/4 X 63	2,5	74 3/4 X 63	2,5	25	36 1/2 X 62 1/2	7	73 1/4 X 62 3/8	7
					3020	36 3/8 X 25 3/8	7		

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

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

SPECIALTY WINDOWS - SERIES (MO)437 - (FO)438 OPENINGS

SIZE	SINGLE F.O.	FAST.
1-8 SL	19 3/8 X 59 3/8	7
3624 FIXED	35 1/2 X 23 1/2	7

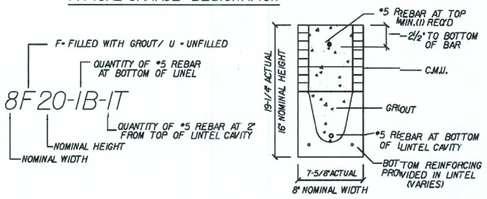
OCTAGON

SIZE	SINGLE F.O.	FAST.
24"	23 1/2 X 23 1/2	7

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

REVISED 04-02-07

TYPICAL GARAGE DESIGNATION



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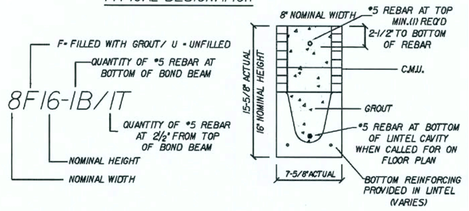


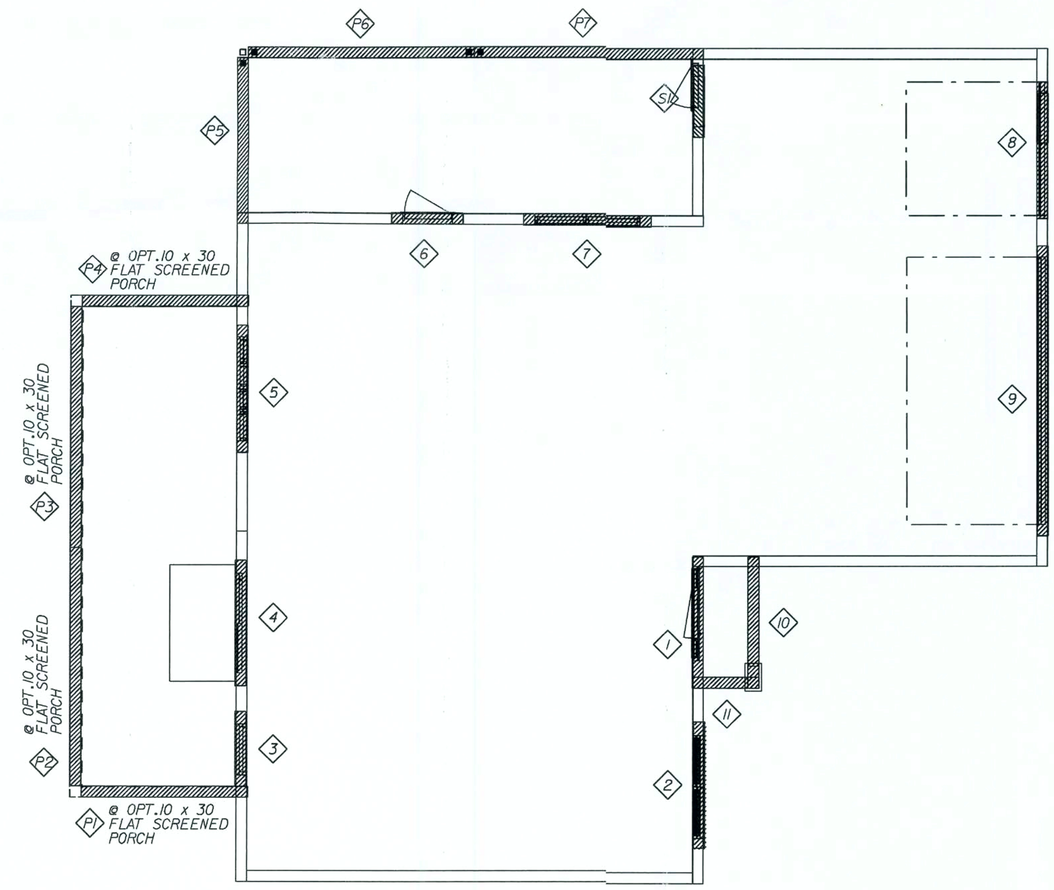
REVISED 12/29/04

CAST-CRETE LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF) GRAVITY	APPLIED LOADS (PLF) UPLIFT	SAFE LOADS GRAVITY	SAFE LOADS UPLIFT	COMMENT
1	7'-0"	8RF14-0B/IT	147	146	2495	1962	RECESSED
2	7'-6"	8U16-0B/IT	147	146	2632	1634	-
3	4'-6"	8U16-0B/IT	147	146	1599	2724	-
4	7'-6"	8F16-0B/IT	147	146	2632	1634	-
5	7'-6"	8RF14-0B/IT	147	146	2459	1962	RECESSED
6	4'-6"	8RF14-0B/IT	883	419	2992	1962	RECESSED
7	7'-6"	8F16-0B/IT	883	419	2632	1634	-
8	9'-4"	8F20-IB/IT	147	151	2564	1471	GARAGE DOOR
9	17'-4"	8F20-IB/IT	147	151	1326	520	GARAGE DOOR

CAST-CRETE LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF) GRAVITY	APPLIED LOADS (PLF) UPLIFT	SAFE LOADS GRAVITY	SAFE LOADS UPLIFT	COMMENT
10	7'-6"	8F8-0B/IT	90	155	669	1462	@ F. PORCH
11	4'-0"	8F8-0B/IT	30	31	2561	1363	@ F. PORCH
S1	4'-6"	8U16-0B/IT	100	200	1495	2635	-
P1	10'-6"	8F8-0B/IT	533	429	535	530	@ OPT. PORCH
P2	14'-8"	8F8-0B/IT	109	184	458	239	@ OPT. PORCH
P3	14'-8"	8F8-0B/IT	109	184	458	239	@ OPT. PORCH
P4	10'-6"	8F8-0B/IT	533	429	535	530	@ OPT. PORCH
P5	10'-0"	8F8-0B/IT	533	429	535	914	SIDE PORCH
P6	14'-0"	8F8-0B/IT	109	184	424	384	SIDE PORCH
P7	14'-0"	8F8-0B/IT	109	184	424	384	SIDE PORCH



REVISIONS :

08-14-07 REV. CODE INFORMATION

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

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FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SUBTITLE 553.73 F.S. FLORIDA BUILDING CODE 2004 , RESIDENTIAL AND 2006 SUPPLEMENT. FOR 125 MPH - 3 SEC. GUST, HVHZ EXPOSURE B, GUST - INCLUSIVE, ENCLOSED BUILDING. ALL CONNECTORS AND CONNECTIONS HAVE BEEN DESIGNED TO WITHSTAND ALL APPLICABLE LOADS.

GEORGIA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SUBTITLE 553.73 F.S. FLORIDA BUILDING CODE 2004 , RESIDENTIAL AND 2006 SUPPLEMENT. FOR 125 MPH - 3 SEC. GUST, HVHZ EXPOSURE B, GUST - INCLUSIVE, ENCLOSED BUILDING. ALL CONNECTORS AND CONNECTIONS HAVE BEEN DESIGNED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA — WINDOW/LINTEL

SUNBURY

ELEVATION "L"

GARAGE: RIGHT

125 MPH

DRAWN BY:

RELEASE DATE: 04-04-06

10/30/03

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

Tomas Ponce P.E.
License No. 0050068

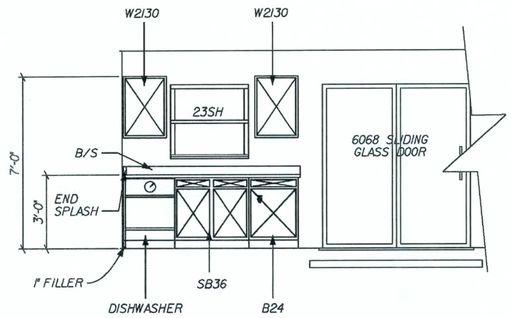
SEP 26 2007

SHEET:
WLI L

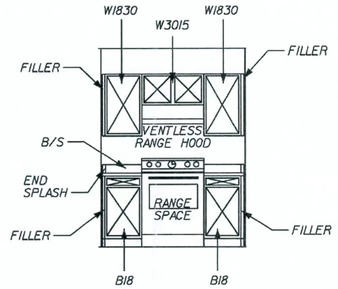
PLOT DATE: 27 AUG 2007

D:\Houses_05\Sunbury\125sunh\125swll

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



A KITCHEN ELEVATION



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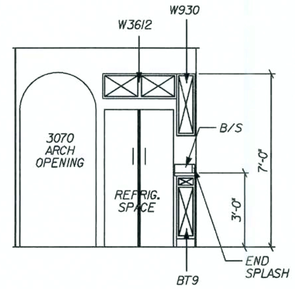
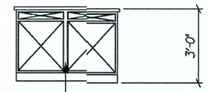


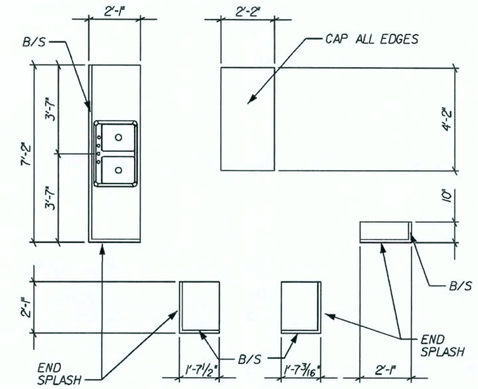
C KITCHEN ELEVATION

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

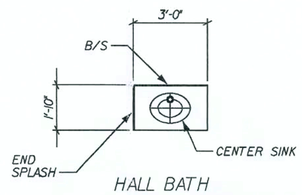


D KITCHEN ELEVATION

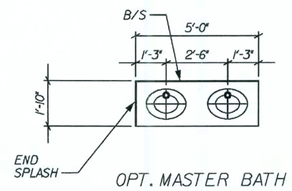


KITCHEN COUNTER TOP PLAN

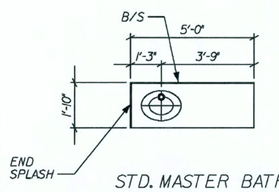
FOR COUNTER TOP CONSTRUCTION ONLY. NOT FOR FIELD USE



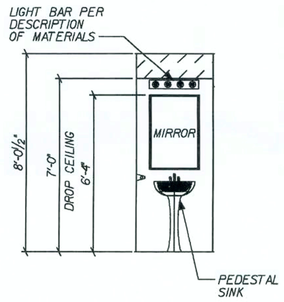
HALL BATH LAV. TOP PLAN



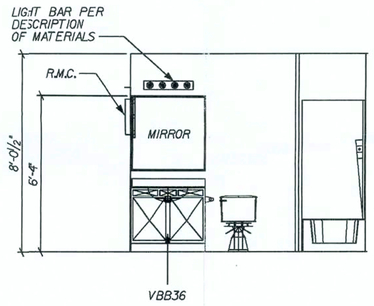
OPT. MASTER BATH LAV. TOP PLAN



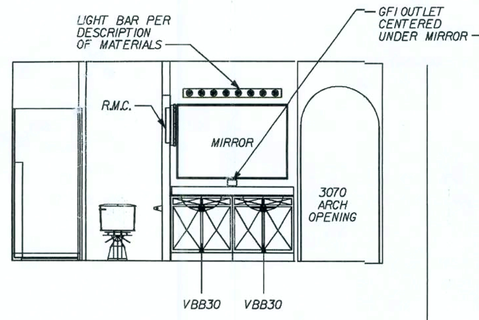
STD. MASTER BATH LAV. TOP PLAN



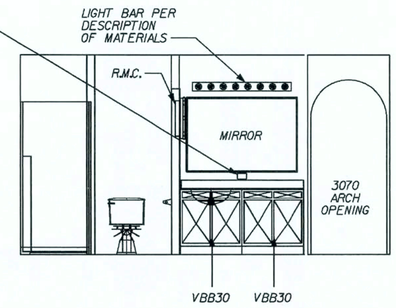
E ACCESS POWDER ROOM ELEVATION



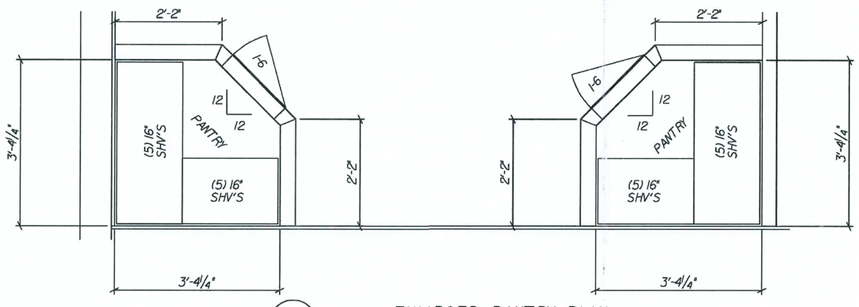
F HALL BATH ELEVATION



G OPTIONAL MASTER BATH ELEVATION



G STANDARD MASTER BATH ELEVATION



H ENLARGED PANTRY PLAN

REVISIONS :

09-12-06 REV. KITCHEN CABINETS/FILLERS

Maronda Homes

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

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

GEORGIA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE 2006

AMERICANA INTERIOR ELEVATIONS

SUNBURY-NEWBERRY

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 10-08-04

SHEET: 3A

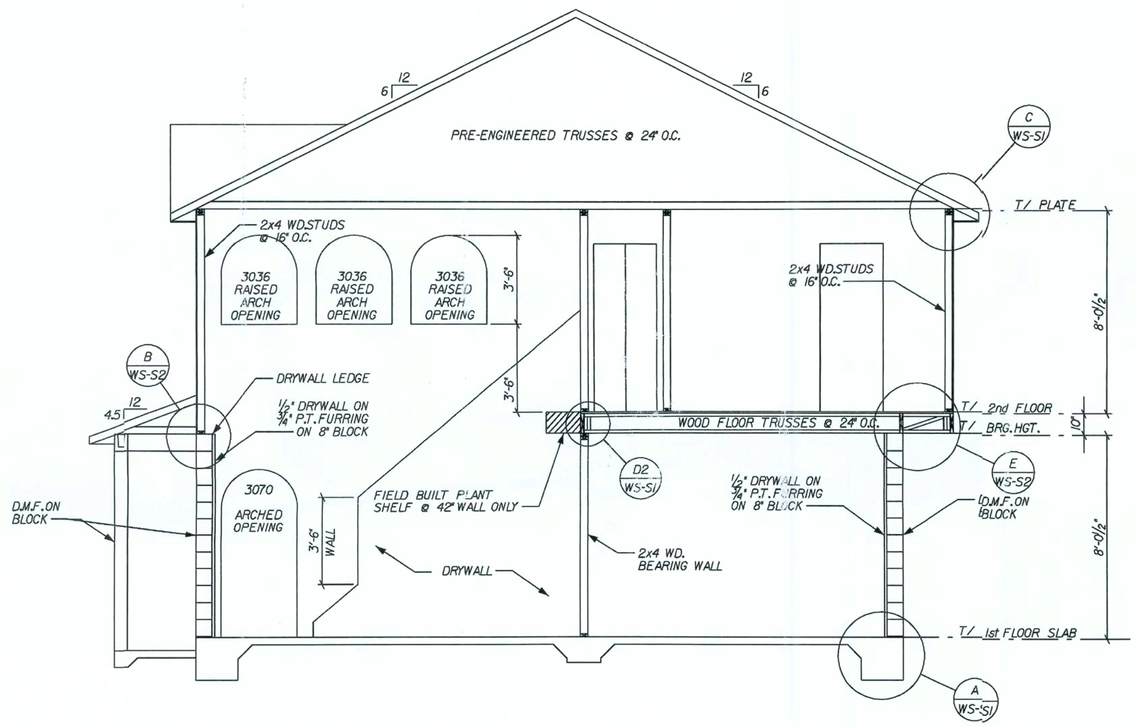
PLOT DATE: 27 AUG 2007

10/19/04

p:\r\houses_05\sunbury\std\sun03a

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

THIS DRAWING WAS CREATED BY USING THE AMERICAN VIVIDS SOFTWARE AND HAS BEEN REVIEWED BY SC, CO, SI, WF, JO, IF, EC, LP, LI AND LL.



A CROSS SECTION

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GEORGIA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE 2006

REVISIONS :

02-15-06 REV. WOOD TRUSS FLOOR FRAMG

08-24-07 REV. OPNG SIZE 3038 -> 3036

AMERICANA | BLD. CROSS SECTION

SUNBURY

ELEVATION "G", "L", "M" & "R"

DRAWN BY: GARAGE: RIGHT

RELEASE DATE: 10-08-04

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Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

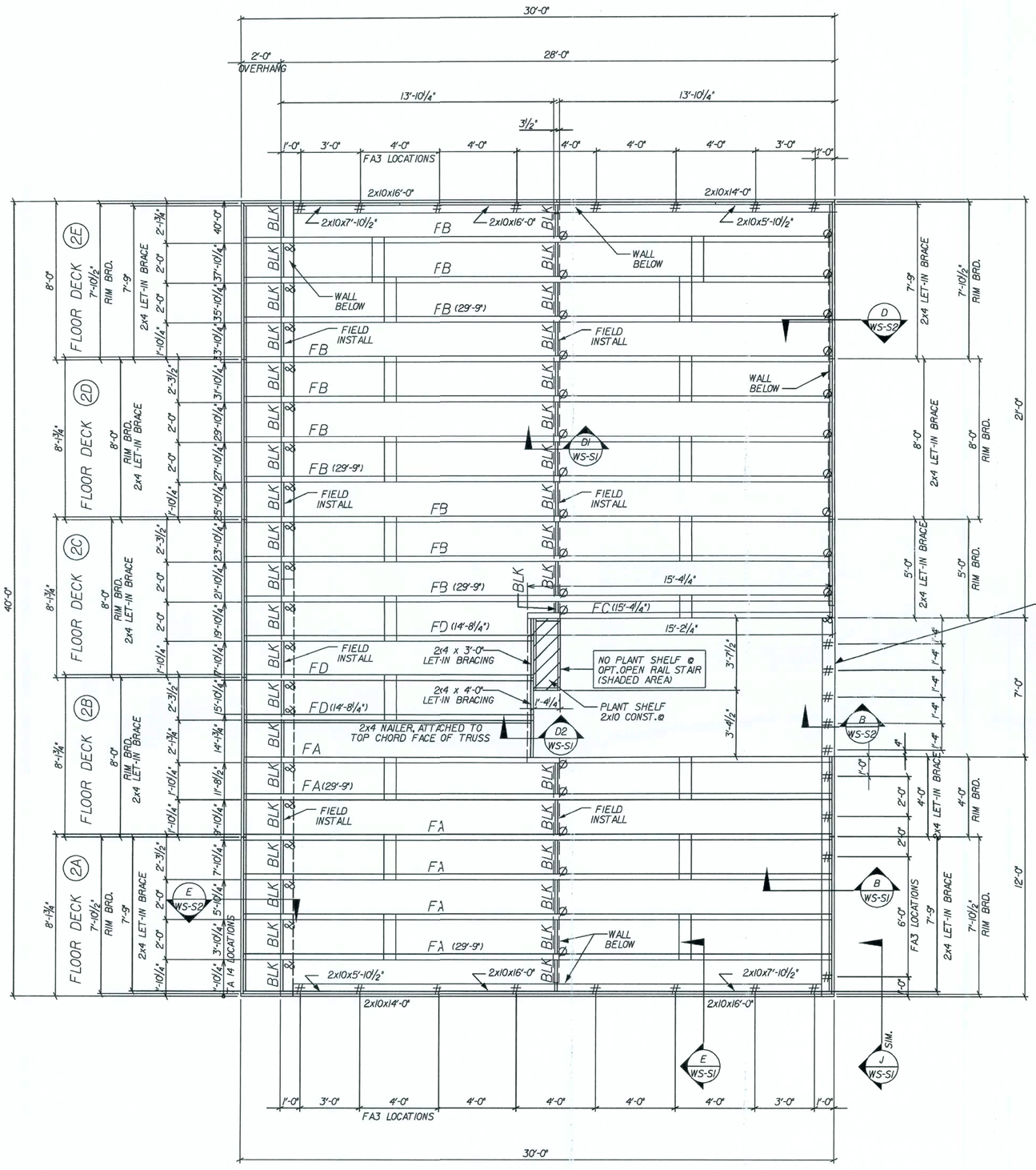
SHEET: CSU

PLOT DATE: 27 AUG 2007 10:39:04

p:\7\houses_05\sunbury\sfd\sunghr.csu

DRAWING WAS PRINTED BY USING THE TIMELTAR VIVOS SOFTWARE AND HAS BEEN REVIEWED BY SE, US, SI, MT, JG, IT, EB, UT, TT AND TT.

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



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:

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.

FLOOR FRAMING NOTES:

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

2x10 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/360
TL = L/240

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 * FDO. 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

& TAI4, SEE DETAIL SHEET E/WS-S2

REVISED 05-02-07 NAIL SPACING

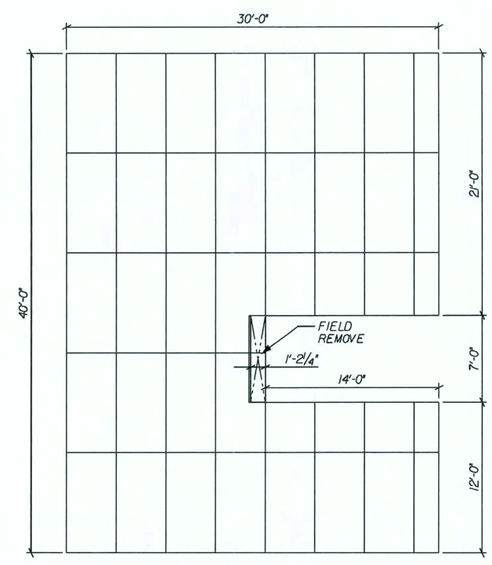
FLOOR FRAMING:

ITEM	DESCRIPTION
RIM BRD.	2 x 10
FA - FD	9¼" WOOD TRUSS

FA3 @ STAIRWAY

ELEVATION G, I, J, L, M, R, T, V ONLY
ATTACH WALL TO BLOCK w/ FA3 @ 16" O.C.

ELEVATION H, S ONLY
INSTALL NO FA3



38 SHEETS - 4x8 SHEATHING

SECOND FLOOR SHEATHING LAYOUT

REVISIONS :
01-04-06 MOVED SBI @ BRG. WALL DECK A
02-15-06 REV. WOOD TRUSS FLOOR FRAM'G
09-28-06 ADDED RUNNING DIM'S FOR TAI4
02/16/07 CHANGE LPTA'S TO FA3
04-24-07 REMOVED GABLE TRUSS
08-20-07 ADDED LET-IN BRACE
08-20-07 FIELD INSTALL FIRE BLOCKING
08-14-07 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 INTERNATIONAL RESIDENTIAL CODE 2003 WITH 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, HI-EXPOSURE B, ENCLOSED BUILDING. ALL CONNECTORS ARE SHEET METAL CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

GEORGIA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE INTERNATIONAL RESIDENTIAL CODE 2003 WITH 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, HI-EXPOSURE B, ENCLOSED BUILDING. ALL CONNECTORS ARE SHEET METAL CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA FRAMING PLAN

SUNBURY

2nd FLOOR FRAMING PLAN

DRAWN BY: J. PITCOCK GARAGE: RIGHT 125 MPH

RELEASE DATE: 02/15/07 10/19/05

g:\office\houses\Sunbury\order\Vfgft.sun125112

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Tomas Ponce P.E.
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SEP 26 2007

SHEET:
FDO

PLOT DATE: 27 AUG 2007

FLORIDA BUILDING CODE 2004 : 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" MTL STUD, 25 ga. U.N.O.

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 125mph:

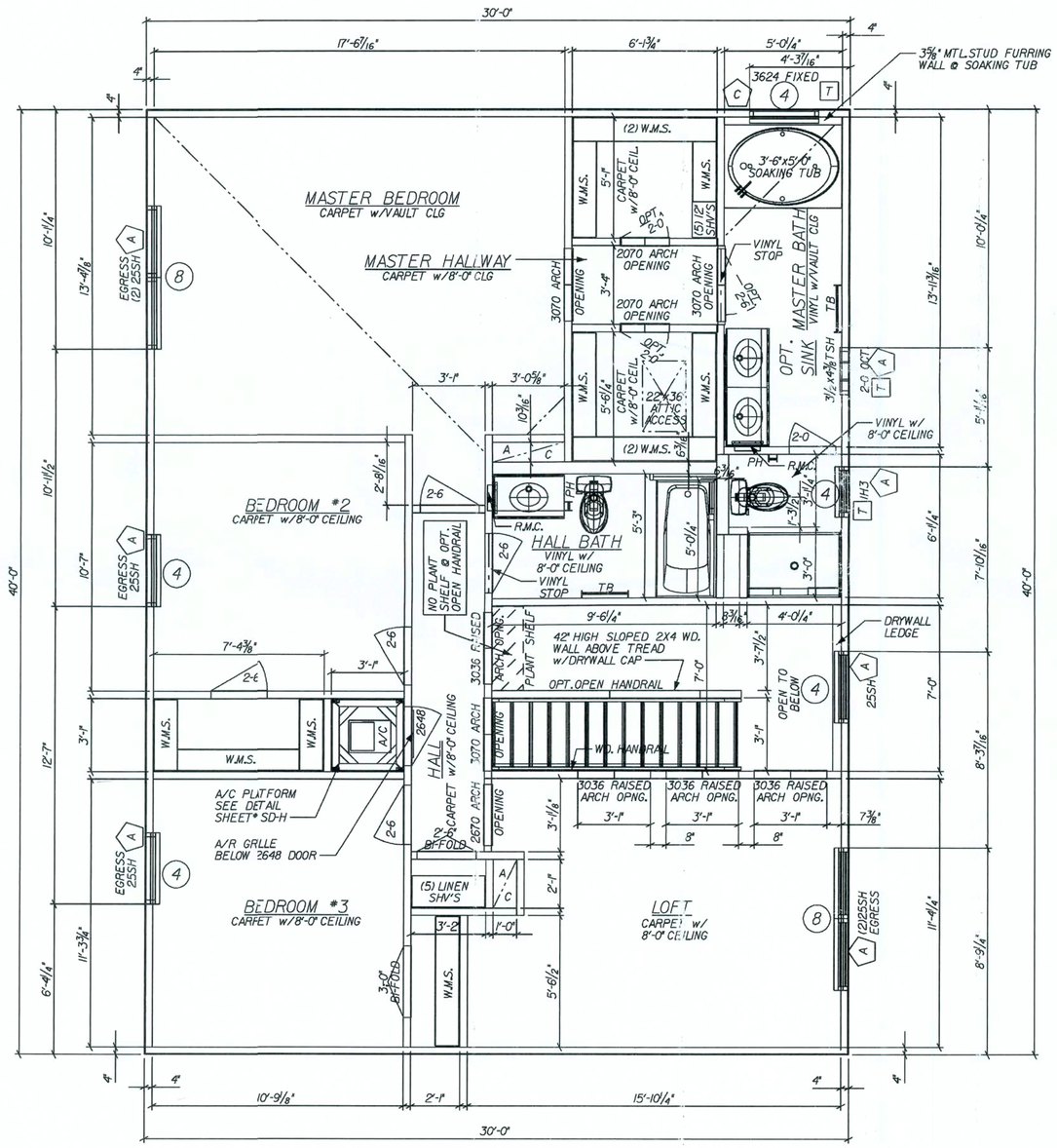
A: +28.15 / -30.55	B: +23.7 / -27.6
C: +28.15 / -37.7	D: +24.9 / -29.7

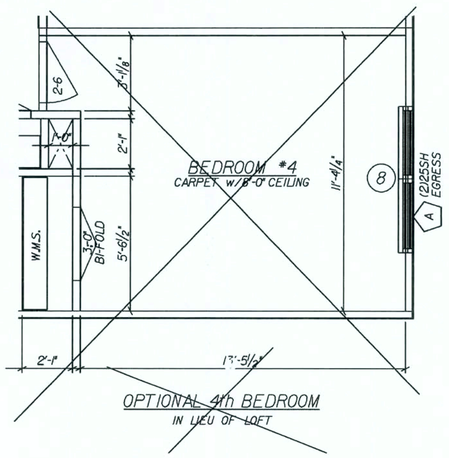
REVISED 02-09-05

TSH WINDOW HEADERS

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

REVISED 05-23-07





OPTIONAL 4th BEDROOM
IN LIEU OF LOFT

REVISIONS :
05-16-06 REV. HEADER SIZES
05-17-06 REV. M.B. CLOSETS
03-07-07 REV. HEADERS TO TSH
05-23-07 REV. HEADER
08-24-07 REV. OPNG SIZE 3038 -> 3036
08-14-07 REV. CODE INFORMATION

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

AMERICANA | SECOND FLOOR PLAN

SUNBURY

ELEVATION "L"

DRAWN BY: | GARAGE: RIGHT

RELEASE DATE: 04-04-06 | 125 MPH

10u9906

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SHEET:
4 L

PLOT DATE: 27 AUG 2007

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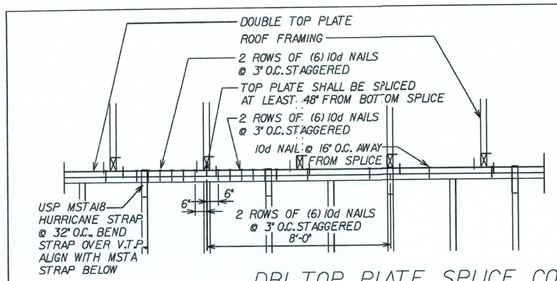
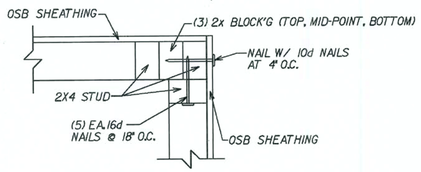


DBL.TOP PLATE SPLICE CONN.

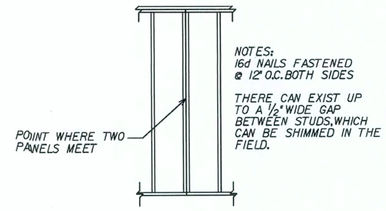
REVISED 02-15-07 : MSTA18 STRAP

SCALE: N.T.S.



B — TOP CORNER DETAIL

SCALE: N.T.S.



NOTES:
16d NAILS FASTENED @ 12" O.C. BOTH SIDES

THERE CAN EXIST UP TO A 1/2" WIDE GAP BETWEEN STUDS, WHICH CAN BE SHIMMED IN THE FIELD.

A — WALL JOINT DETAIL

SCALE: N.T.S.

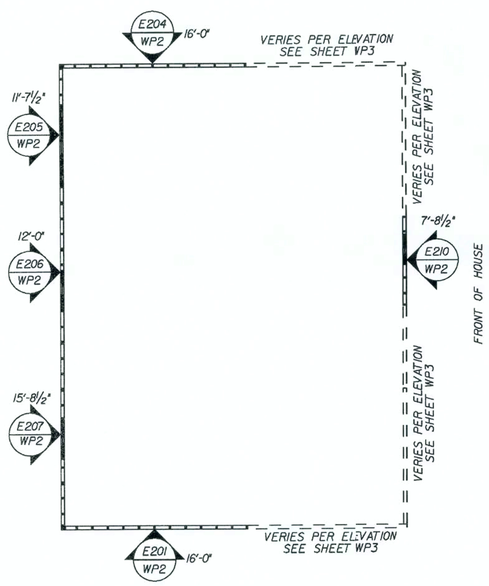
WALL STRAP KEY

(UNDER SHEATHING)

- S1 - RSPT4

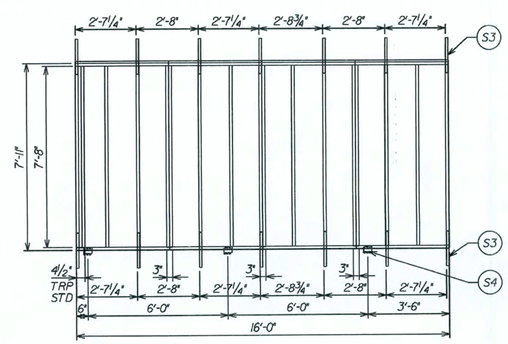
(ON TOP OF SHEATHING)

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

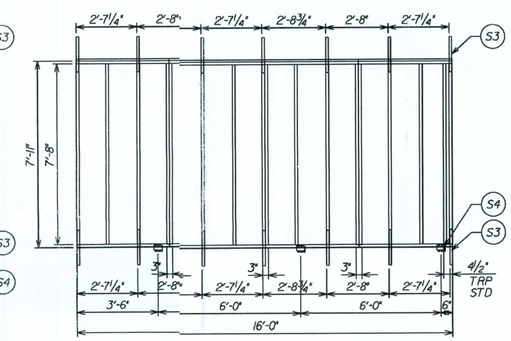


SECOND FLOOR WALL PANEL LAYOUT

ALL ELEVATIONS



PANEL E201



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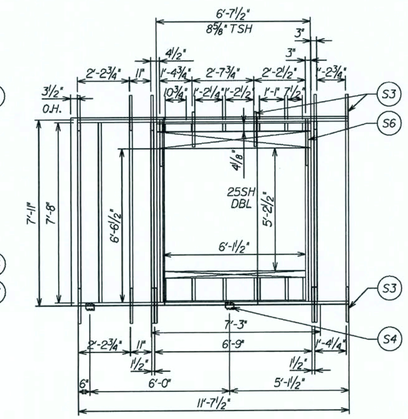

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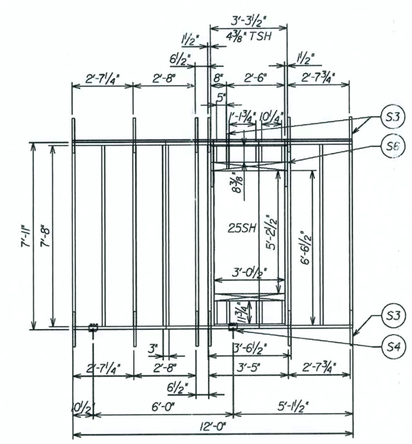

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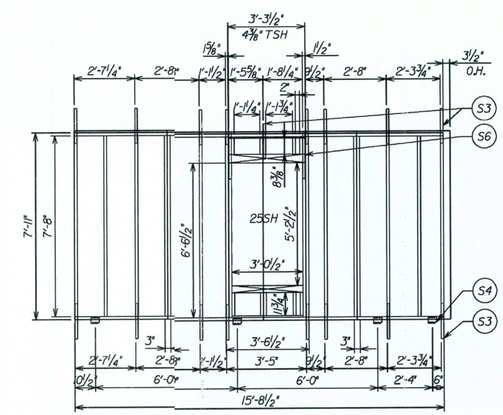

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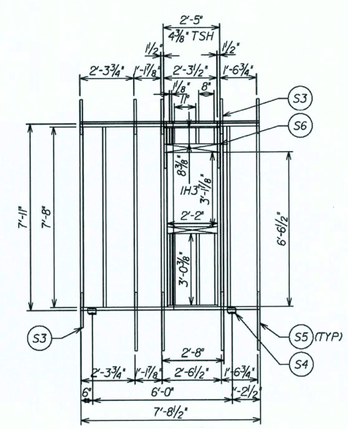

PANEL E210

REVISIONS :

Maronda Homes

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

05

AMERICANA | WALL PANEL LAYOUT

SUNBURY

ALL ELEVATIONS

DRAWN BY: J.LEHNER | GARAGE: RIGHT

RELEASE DATE: 6/28/2007

10/5/07

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Tomas Ponce P.E.
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SEP 26 2007

SHEET:

WP2

PLOT DATE: 27 AUG 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

g:\mtec\houses\1\sunbury\borden\right\sunbury-std.wp2

THIS DRAWING WAS CREATED BY USING THE I AMERICAN WOOD SOFTWARE AND HAS BEEN REVIEWED BY JC, JD, JS, MF, JG, LT, EG, DR, LI AND LI.

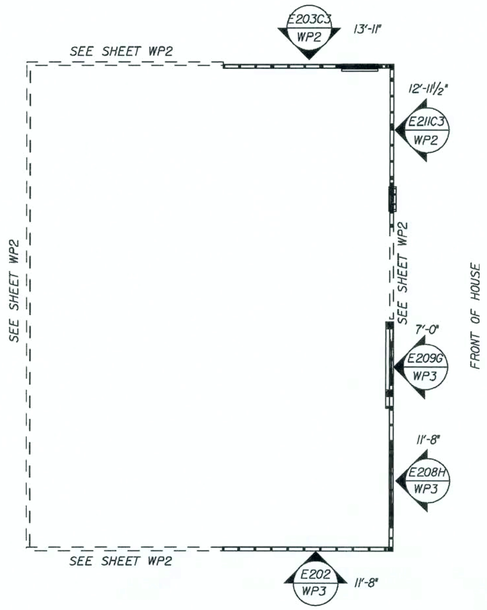
WALL STRAP KEY

(UNDER SHEATHING)

- (S1) - RSPT4

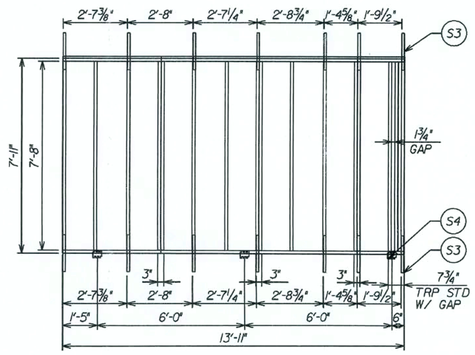
(ON TOP OF SHEATHING)

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

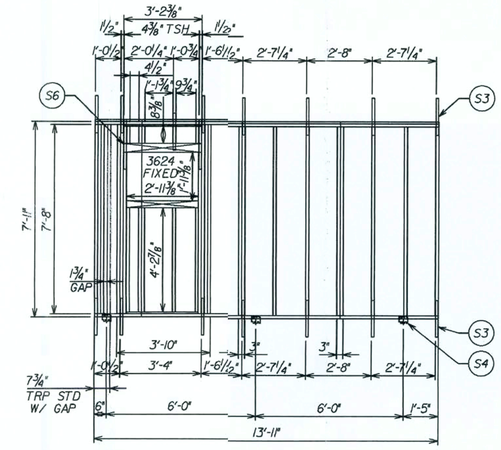


SECOND FLOOR WALL PANEL LAYOUT

** ELEVATION "L" **



PANEL E202



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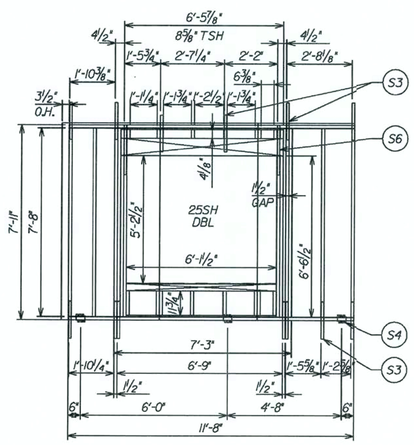
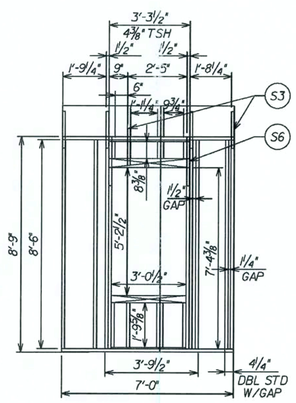


PANEL E208H



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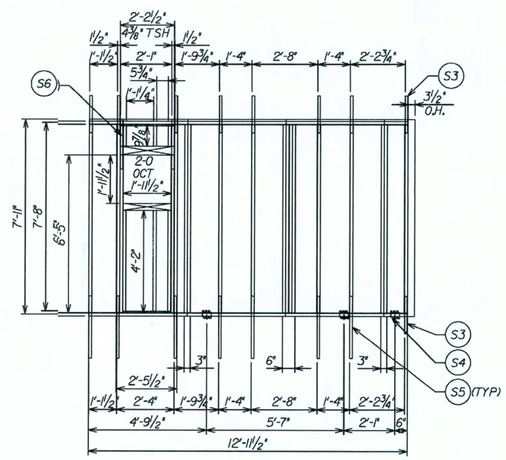

PANEL E211C3

REVISIONS :

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Maronda Homes

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

05

g:\unified\houses\f1\sunbury\border\right\wp3

AMERICANA | WALL PANEL LAYOUT

SUNBURY

ELEVATION "L"

DRAWN BY: E.JONES | GARAGE: RIGHT

RELEASE DATE: 01/23/07

10/3/08

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:

WP3

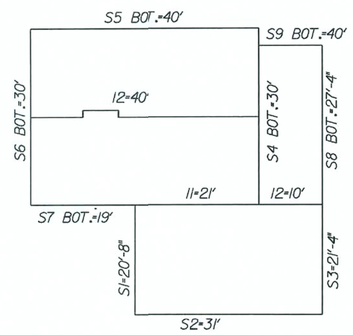
PLOT DATE: 27 AUG 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

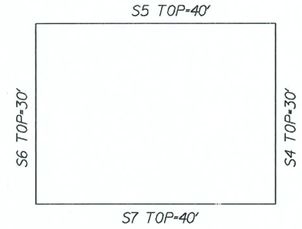
GENERAL TRUSS NOTES:

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

REVISED 2-25-05



FIRST FLOOR



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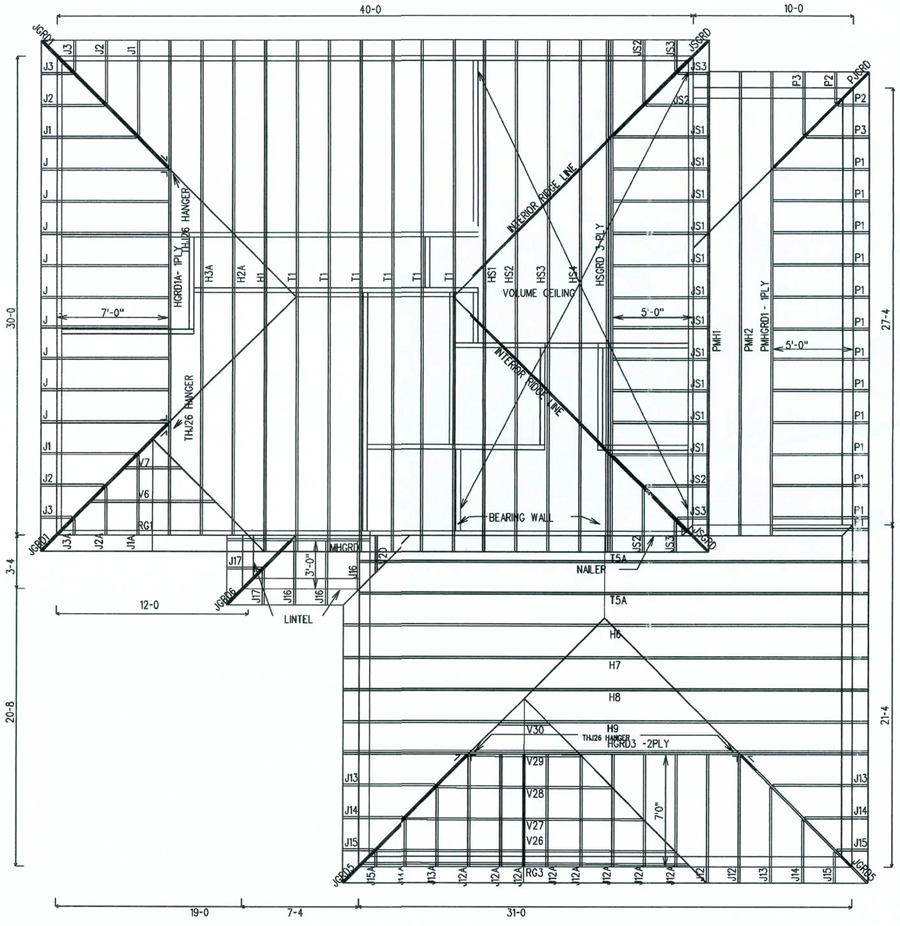

ALL HARDWARE MANUFACTURED BY USP XXXX

ALL HARDWARE MANUFACTURED BY SIMPSON XXXX[1]

ALL HARDWARE MANUFACTURED BY CLEVELAND XXXX[2]

STRUCTURAL WALL SCHEDULE

WALL ID	STUD		OVERTURN ANCHOR - APPLIED AT CORNERS & BOTH SIDES OF OPENINGS			WALL TO SLAB		TOP & BOTTOM OF STUD TO PLATE		SHEARWALL SHEATHING	
	SIZE & GRADE	SPACING	PRODUCT CODE	BOLT TO SLAB SIZE	SPECIAL NOTES	PRODUCT CODE	SPACING	PRODUCT CODE	SPACING	TYPE	NAIL SIZE &SPACING
S1-S3	8" CMU	--	--	--		--	--	--	--	--	--
S4-S9 BOT.	8" CMU	--	--	--		--	--	--	--	--	--
11	2 x 4 #2 SYP	16" O.C.	--	--	MID-WALL BLOCKING REQUIRED	1/2"x5 1/4" SUP-A-STUD W/ WEST PALM	24" O.C.	RT3	BOT. OF EA. STUD	1/2" GYP. WALL BRD.	11/4" DRYWALL SCREWS 7" O.C. EDGE. 10" O.C. INTERM.
12	2 x 4 #2 SPF	16" O.C.	--	--	NO BLOCKING REQUIRED	1/2"x5 1/4" SUP-A-STUD W/ WEST PALM	48" O.C.	--	--	--	--
S4-S7 TOP	2 x 4 #2 SYP	16" O.C.	MSTA18	--	SEE DETAILS SHEET	--	--	RT5L	TOP OF EA. STUD	7/16" O.S.B. EXT. SIDE	8d NAILS 4" O.C. EDGE. 6" O.C. FIELD

TRUSS HARDWARE SCHEDULE

TPI-02 160%

TRUSS ID	TRUSS TYPE	QUAN.	UPLIFT LEFT	UPLIFT MID	UPLIFT RIGHT	LEFT STRAP TYPE	LEFT STRAP MAX. UPLIFT	FASTENERS	MID STRAP TYPE	MID STRAP MAX. UPLIFT	FASTENERS	RIGHT STRAP TYPE	RIGHT STRAP MAX. UPLIFT	FASTENERS
H1	HIP	1	674	—	674	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
H2A	HIP	1	617	—	691	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
H3A	HIP	1	627	—	701	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
H6	HIP	1	664	—	664	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
H7	HIP	1	700	—	700	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
H8	HIP	1	717	—	717	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
H9	HIP	1	727	—	727	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
HGRD1A	1-PLY HIP GIRDER	1	881	—	872	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
HGRD3	2-PLY HIP GIRDER	1	901	—	901	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
HS1	HIP SCISSOR	1	671	—	671	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
HS2	HIP SCISSOR	1	692	—	692	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
HS3	HIP SCISSOR	1	702	—	702	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
HS4	HIP SCISSOR	1	711	—	711	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
HSGRD	3-PLY HIP GIRDER	1	681	—	680	(2)LTW12	1340	(12) 10d	—	—	—	(2)LTW12	1340	(12) 10d
J	END JACK	9	501	129	197	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		3 / 2
J1	CORNER JACK	3	393	274	45	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		3 / 2
J1A	CORNER JACK	1	305	281	46	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		3 / 2
J2	CORNER JACK	3	279	169	27	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		2 / 2
J2A	CORNER JACK	1	183	169	27	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		2 / 2
J3	CORNER JACK	3	158	58	7	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		2 / 2
J3A	CORNER JACK	1	61	58	7	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		2 / 2
J12	END JACK	2	471	134	223	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 3
J12A	END JACK	8	391	140	233	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 3
J13	CORNER JACK	3	397	274	41	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 2
J13A	CORNER JACK	1	308	282	42	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 2
J14	CORNER JACK	3	282	170	24	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J14A	CORNER JACK	1	185	170	24	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J15	CORNER JACK	3	158	59	6	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J15A	CORNER JACK	1	62	59	6	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J16	END JACK	3	308	172	48	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J17	CORNER JACK	2	167	59	14	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JGRD1	KING JACK	2	592	—	325	HHCP2	800	(10) 10d X 1½" TRUSS / (10) 10d X 1½" PLATE	—	—	—	THJ26[2]	1010	H1P(7)10d-HEADER(16)16d JACK (5) 10d x1½"
JGRD5	HIP JACK	2	605	—	312	TA 18	1205	(8) 10d X 1½"	—	—	—	THJ26[2]	1010	H1P(7)10d-HEADER(16)16d JACK (5) 10d x1½"
JGRD6	HIP JACK	1	381	—	133	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS1	END JACK	11	389	274	46	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		3 / 2
JS2	CORNER JACK	4	276	169	28	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		2 / 2
JS3	CORNER JACK	4	174	63	13	RT5	540	(4) 8d TRUSS / (4) 8d PLATE	—	—	—	16d NAILS		2 / 2
JSGRD	KING JACK	2	528	—	246	HHCP2	800	(10) 10d X 1½" TRUSS / (10) 10d X 1½" PLATE	—	—	—	16d NAILS		3 / 2
MHGRD	1-PLY MONO HIP GIRDER	1	298	—	234	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
P1	END JACK	13	441	279	79	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 2
P2	CORNER JACK	2	167	59	14	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
P3	CORNER JACK	2	308	172	48	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
PJGRD	HIP JACK	1	538	—	235	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 2
PMH2	MONO HIP	1	890	—	736	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
PMH1	MONO HIP	1	870	—	747	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
PMHGRD1	MONO HIP	1	1055	—	1050	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
T1	COMMON	6	645	—	645	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"	—	—	—	RT16	1030	TOP PLATES (8) 8d / TRUSS (8) 8d x 1½"
T5A	COMMON	2	664	—	664	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
V	VALLEY TRUSS SET			LTW12 @ 48" O.C.		670		(12) 10d						

REVISIONS :

Maronda Homes

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

GEORGIA: STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE INTERNATIONAL RESIDENTIAL CODE, 2006 EDITION, 125 MPH, 3 SECOND GUST, HIA EXPOSURE B, ENCLOSED BUILDING, ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

08-14-07 REV. CODE INFORMATION

AMERICANA

INFO SHEET

SUNBURY

ELEVATION "L"

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 10-80-04

125 MPH

10/9/08

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:

TRI

VAULT

PLOT DATE: 27 AUG 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

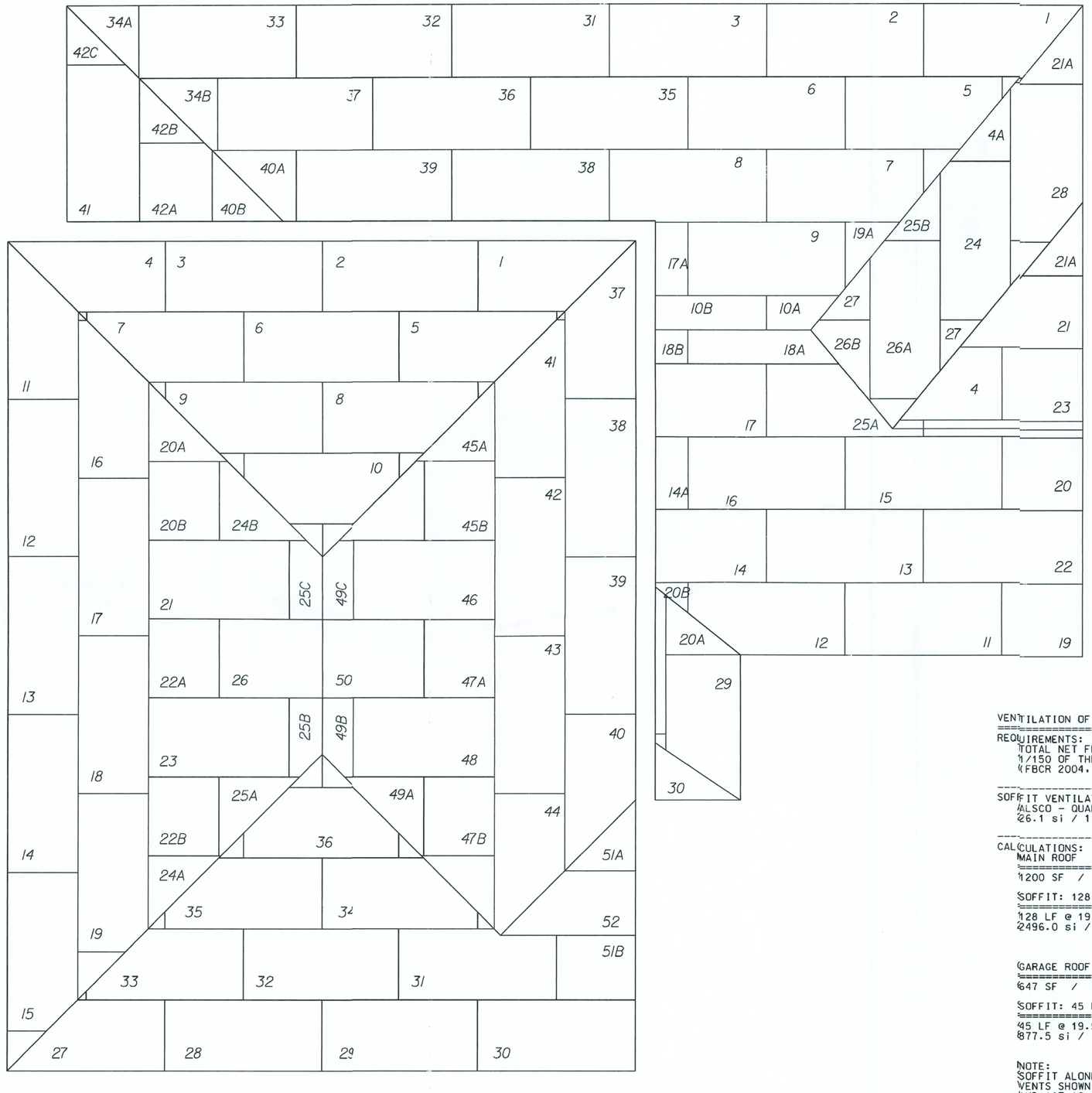
GENERAL ROOF NOTES:

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

REVISED 05-07-07

TOTAL ROOF SHEATHING:

52 [MAIN] + 42 [GARAGE] = 94



VENTILATION OF ATTIC SPACE: SUNBURY 3L

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

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

CALCULATIONS:
MAIN ROOF
1200 SF / 150 = 8.0 SF VENTILATION REQUIRED

SOFFIT: 128 L.F. SOFFIT VENT
128 LF @ 19.5 si/LF = 2496.0 si
2496.0 si / 144 si PER SF = 17.33 SF ACTUAL

GARAGE ROOF
647 SF / 150 = 4.31 SF VENTILATION REQUIRED

SOFFIT: 45 L.F. SOFFIT VENT
45 LF @ 19.5 si/LF = 877.5 si
877.5 si / 144 si PER SF = 6.10 SF ACTUAL

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

REVISIONS :
06-13-06 REV. ATTIC VENTILATION CALCS.

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

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

GEORGIA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE INTERNATIONAL RESIDENTIAL CODE 2006

AMERICANA | ROOF LAYOUT

SUNBURY

ELEVATION "L"

GARAGE: RIGHT

DRAWN BY:

RELEASE DATE: 04-04-06

10/19/06

SHEET: RSIL

PLOT DATE: 27 AUG 2007

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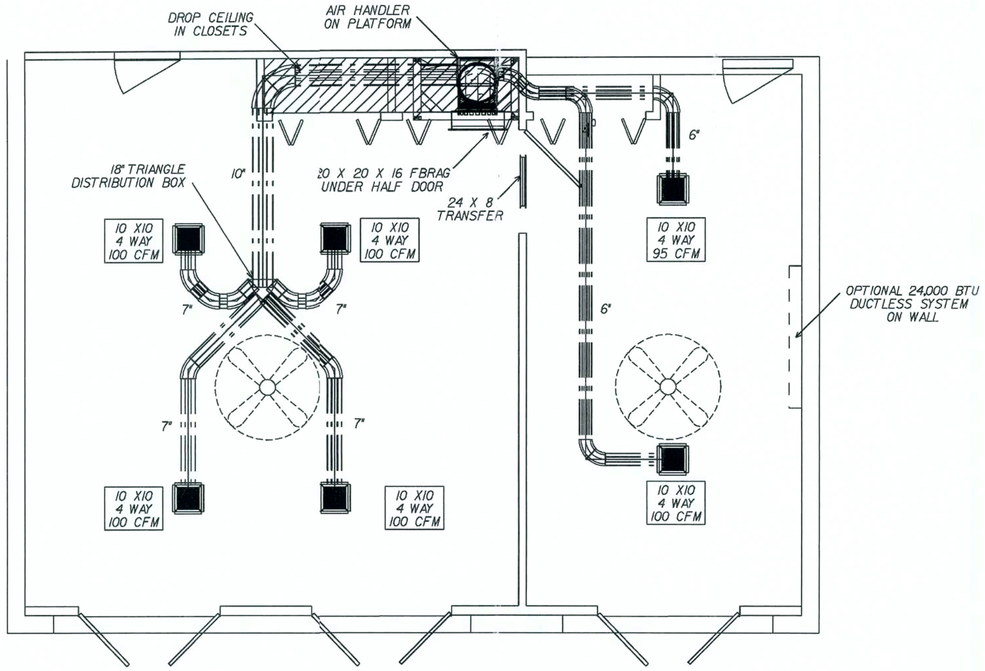
FLORIDA BUILDING CODE 2004 : RESIDENTIAL

DRAWING WAS CREATED BY USING THE AMERICAN VIDEO SOFTWARE AND HAS BEEN REVIEWED BY JC, DS, JS, MF, JG, FF, EB, DR, JT AND JT.

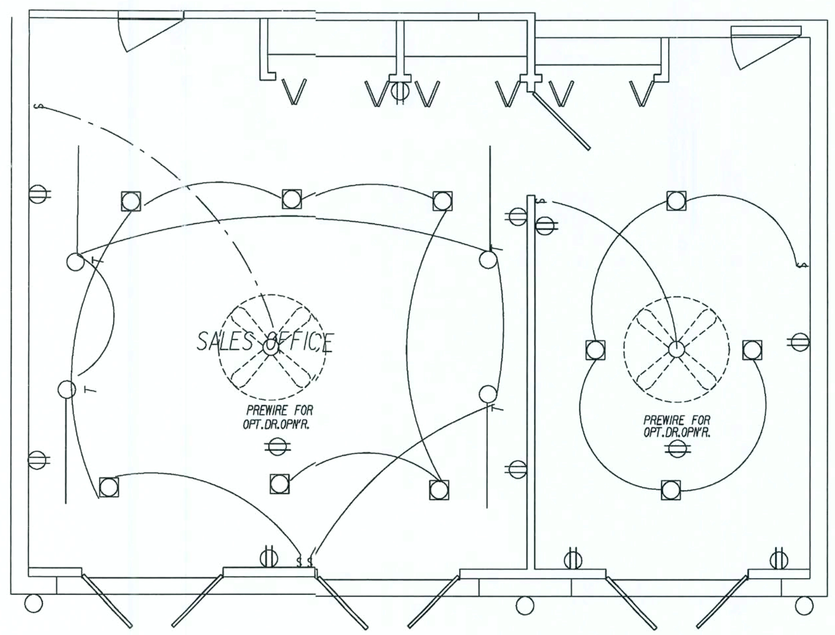


GARAGE CONVERSION / SALES OFFICE HVAC

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

MECHANICAL EQUIPMENT

TEMPSTAR TCH224AKA 12 SEER
TEMPSTAR EBX2400 12 SEER
5KW
BRAEBURN 5200 HEAT PUMP PROGRAMABLE
EXT STATIC .60 595 CFM H



GARAGE CONVERSION / SALES OFFICE ELECTRIC

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

REVISIONS :
10-01-05 FBC 2004 : RESIDENTIAL

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05

AMERICANA | BAYBURY/SUNBURY

SALES CONVERSION

3 CAR GARAGE

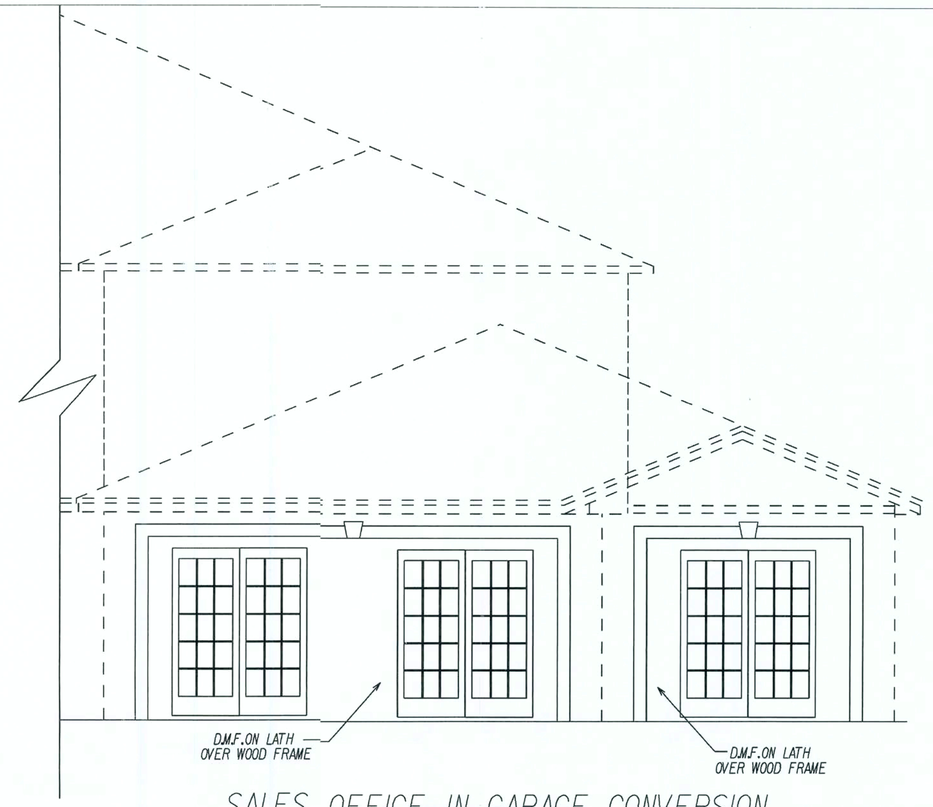
PLOT DATE: 08 FEB 2006 | GARAGE: RIGHT

RELEASE DATE:

SHEET:
3SM

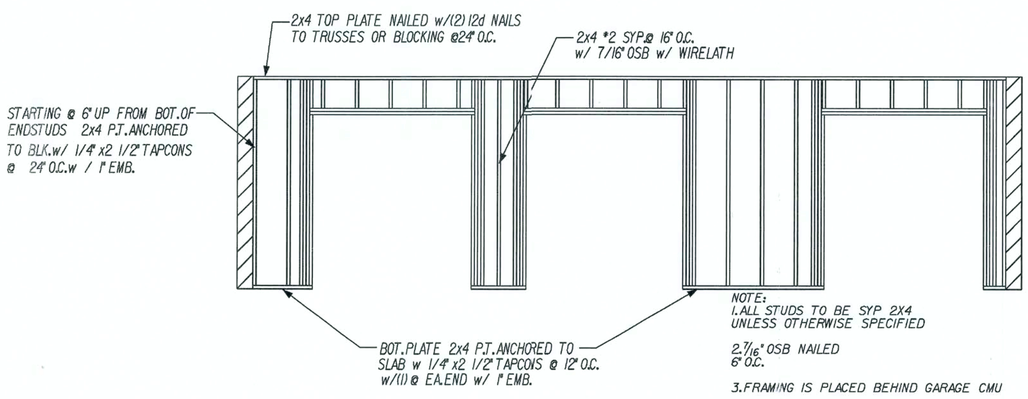
STRUCTURAL INTEGRITY OF BUILDING IS NOT IMPACTED.THE GARAGE DOOR HAS BEEN DELETED TO ACCOMMODATE FRAME WALL W/ DOORS &WINDOWS THE GARAGE DOOR WILL BE INSTALLED PRIOR TO OCCUPANCY OF HOUSE.ELECTRICAL SHOWN FOR INFORMATION ONLY.

ADD GARAGE SQ.FT.TO A/C AREA W/ SALES OFFICE
** SEE FLOOR PLAN FOR ALL MODEL EXACT DIMENSIONS **



SALES OFFICE IN GARAGE CONVERSION

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



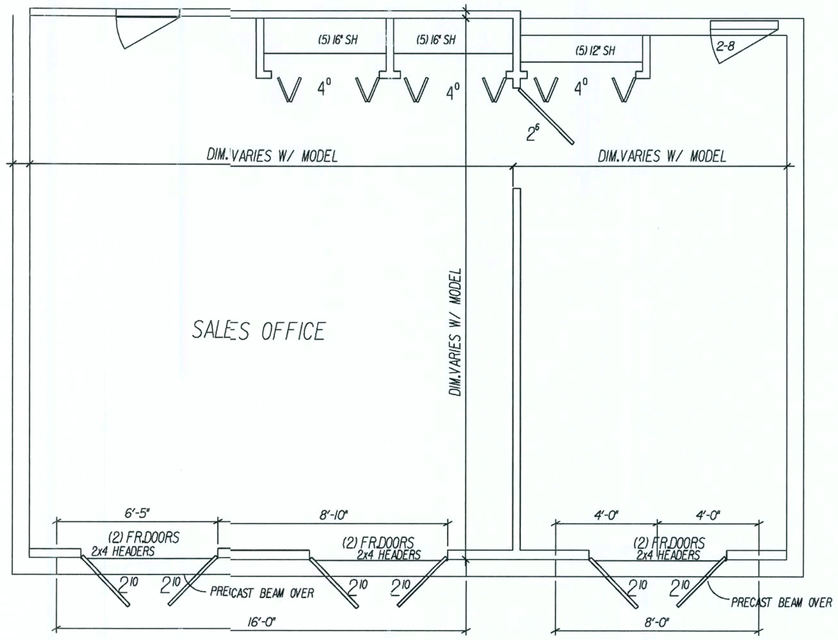
NOTE:
1.ALL STUDS TO BE SYP 2X4
UNLESS OTHERWISE SPECIFIED

2.7/16" OSB NAILED
6" O.C.

3.FRAMING IS PLACED BEHIND GARAGE CMU

TEMP.WALL FRAMING DETAIL

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



GARAGE CONVERSION / SALES OFFICE

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

REVISIONS :
10-01-05 FBC 2004 : RESIDENTIAL

Maronda Homes
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05

AMERICANA | BAYBURY/SUNBURY

SALES CONVERSION

3 CAR GARAGE

PLOT DATE: 08 FEB 2006 | GARAGE: RIGHT

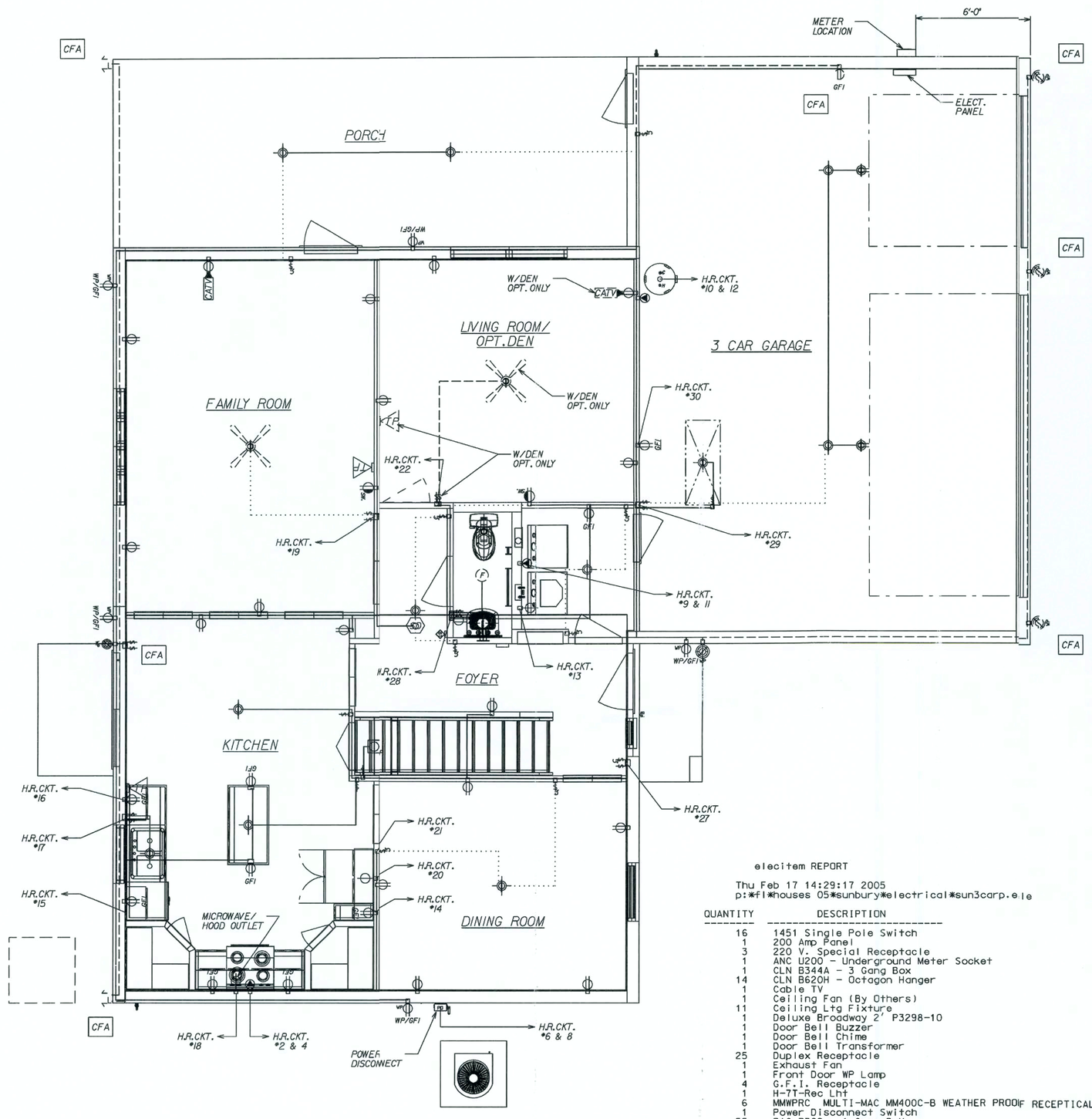
RELEASE DATE:

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:
3S



GENERAL ELECTRICAL NOTES:

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

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

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

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

REVISED 10-05-06

REVISIONS :
12-19-06 ELIM. SMOKE DETECT. HOME RUN.
02-19-07 ADD SMOKE DETECTOR TO MASTER BEDROOM

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
PB	PB	Power Disconnect Switch
		Door Bell Chime
PB	PB	Door Bell Buzzer
		Ceiling Fan (By Others)
SD	SD	Smoke Detector
		Light Fixture Bath
		Exterior WP Lamp
		Single Pole Switch
		Three Way Switch
		Single Receptacle
		Duplex Receptacle
GFI	GFI	GFI Receptacle
SW.	SW.	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
E		Exhaust Fan / Light Combo

REVISED 03-19-07

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

AMERICANA | 1st. FLR. ELECTRICAL

SUNBURY-NEWBERRY

3 CAR GARAGE w/ PORCH

DRAWN BY: GARAGE: RIGHT

RELEASE DATE: / /

05

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15:23:44

PLOT DATE: 22 MAR 2007

SHEET:

ELI

elecitem REPORT

Thu Feb 17 14:29:17 2005
p:*fl*houses 05*sunbury*electrical*sun3carp.ele

QUANTITY	DESCRIPTION
16	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
14	CLN B620H - Octagon Hanger
1	Cable TV
1	Ceiling Fan (By Others)
11	Ceiling Ltg Fixture
1	Deluxe Broadway 2' P3298-10
1	Door Bell Buzzer
1	Door Bell Chime
1	Door Bell Transformer
25	Duplex Receptacle
1	Exhaust Fan
1	Front Door WP Lamp
4	G.F.I. Receptacle
1	H-7T-Rec Lht
6	MMWPRC MULTI-MAC MM400C-B WEATHER PROOF RECEPTICAL COVER
1	Power Disconnect Switch
55	RAC 7302 - 1 Gang Box
5	RAC 7835 - 2 Gang Box
1	Rear Door WP Lamp
3	Single Receptacle
1	Smoke Detector
2	Switched Receptacle
2	Telephone Outlet
9	Three Way Switch

elecinth REPORT

Thu Feb 17 14:29:17 2005
p:*fl*houses 05*sunbury*electrical*sun3carp.ele

QUANTITY	DESCRIPTION
221'	10 Gauge/3 Cond. Copper
537'	12 Gauge/2 Cond. Copper
1427'	14 Gauge/2 Cond. Copper
234'	14 Gauge/3 Cond. Copper
155'	6 Gauge/3 Cond. Copper

FLORIDA BUILDING CODE 2004 :RESIDENTIAL

ELECTRICAL LOAD CALCULATIONS

11/28/06

MODEL: SUNBURY / NEWBERRY

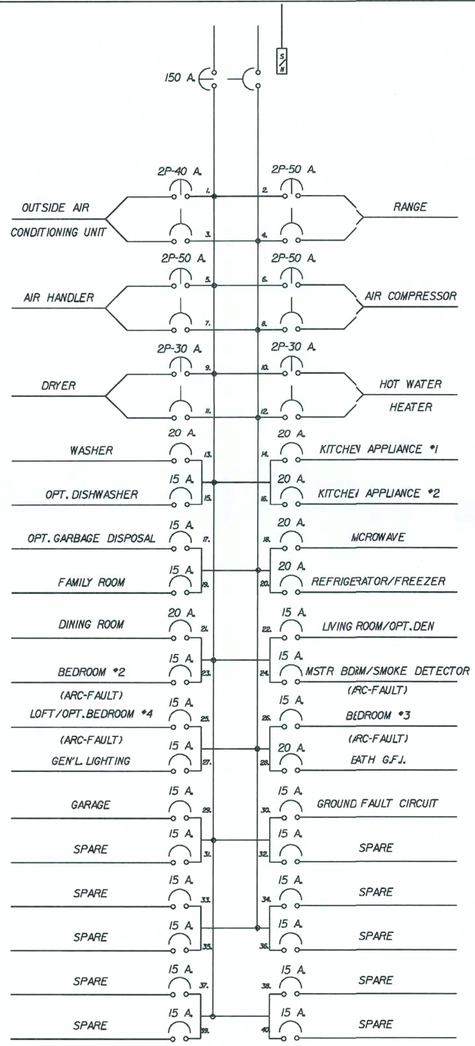
	VOLT/AMPS
LARGEST LOAD:HEAT PUMPW/SUPPLEMENTAL HEAT	**10270**
SQUARE FEET LIVING AREA **2223** @ 3 VOLT/AMPS	6669
SMALL APPLIANCE CIRCUITS	3000
LAUNDRY CIRCUIT	1500
OVEN	11700
WATER HEATER	4500
DISHWASHER	1500
DRYER	5000
DISPOSAL	500
TOTAL LOAD	**34369**

FIRST 10KVA @100%	10000
REMAINDER @40%	9747.6
LARGEST LOAD	10270

TOTAL LOAD **30018** V.A./240 VOLTS= **125** AMPS

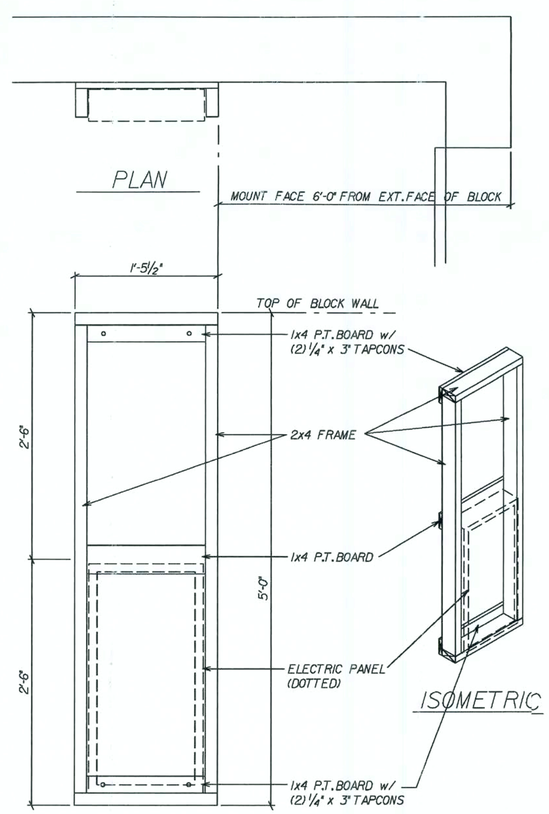
SERVICE SIZE: 150 AMPS

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



MAIN BREAKER LOAD CENTER

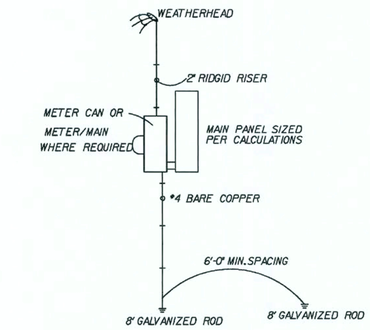
NOTE:
IF LOCAL CODE REQUESTS A LOCK-DOG DEVICE ON BREAKERS FOR APPLIANCES, FIELD WILL SUPPLY TO COMPLY



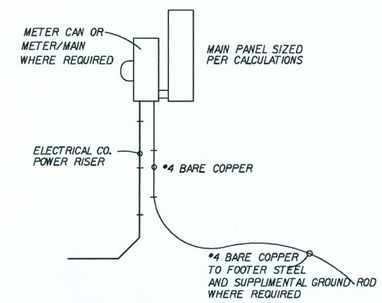
ELECTRIC PANEL FRAME

SCALE: 1" = 1'-0"

REVISED 06-06-06 SPACING REQUIREMENT

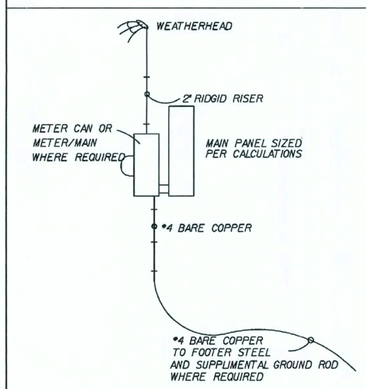


OVERHEAD SERV.

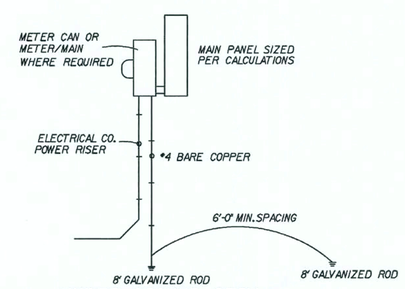


UNDER GROUND SERV.

REVISED 06-06-06 SPACING REQUIREMENT



OVERHEAD SERV.



UNDER GROUND SERV.

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

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :
- 05-23-06 REV. BREAKER LOAD CENTER
- 05-24-06 ADD NOTE FOR LOCK-DOG
- 11-28-06 REV. ELECT. LOAD CALC.
- 12-19-06 ELIM. SMOKE DETECT. HOME RUN.
- 02-19-07 ADD SMOKE DETECTOR TO MASTER BEDROOM
- 3-02-07-REV. DINING RM. CKT. FROM 15A. TO 20A.

Maronda Homes
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AMERICANA ELECTRICAL DETAILS

SUNBURY-NEWBERRY

DRAWN BY: GARAGE:

RELEASE DATE: 09-11-03

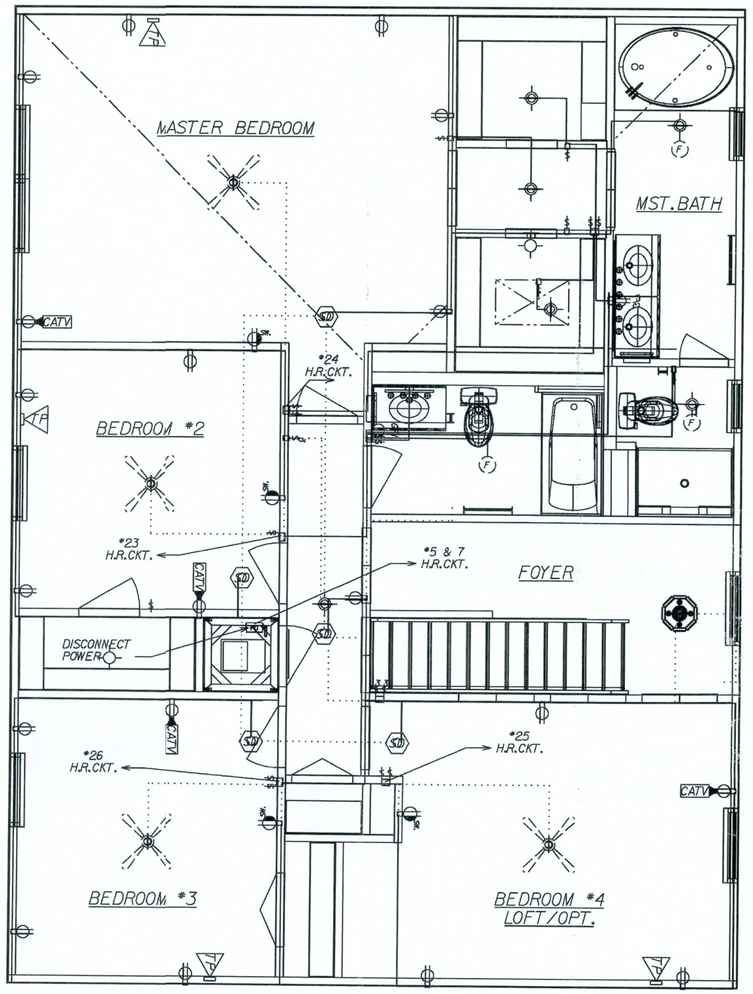
SHEET: ELA

PLOT DATE: 22 MAR 2007 15:23:45

p:\f\houses_05\sunbury\electrical\sunela

05

2 DRAWING HAS COMPUTED BY USING THE 1 METER HOUSE DATA MADE AND HAS BEEN REVIEWED BY JC, DD, JT, MF, JG, LF, ED, LM, LI AND LI.



GENERAL ELECTRICAL NOTES:

CIRCUITRY IS DIAGRAMATIC ONLY. FIELD CONDITIONS MAY CHANGE ACTUAL INSTALLATION

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

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

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

REVISED 10-05-06

LIST OF OPTIONS:

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

ELECTRICAL SYMBOL LEGEND:

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

REVISED 03-19-07

REVISIONS :
02-03-06 REVISED MASTER BATH LIGHT
06-14-06 REV.MASTER BATH CLOSET ELECT.
01-29-07 REV.MSTR.BR.SMOKE DET.LOC.ELECT.

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

AMERICANA 2nd. FLR. ELECTRICAL

SUNBURY-NEWBERRY

3 BEDROOM

DRAWN BY: GARAGE: RIGHT

RELEASE DATE: / /

p:\fl\houses_05\sunbury\electrical\sun3r2

05

15:23:45

PLOT DATE: 22 MAR 2007

SHEET: EL2

FLORIDA BUILDING CODE 2004 :RESIDENTIAL

elecitem REPORT

Mon Jan 10 11:41:18 2005
p:*fl*houses (5*sunbury*electrical*sun3-r.el2

QUANTITY	DESCRIPTION
17	1451 Sirgle Pole Switch
1	CLN B344A - 3 Gang Box
9	CLN B62CH - Octagon Hanger
4	Cable TV
4	Ceiling Fan (By Others)
6	Ceiling Ltg Fixture
1	Deluxe Broadway 2' P3298-10
1	Deluxe Broadway 3' P3299-11
21	Duplex Receptacle
3	Exhaust Fan
1	Foyer Crandelier
1	H-7T-Rec Lht
1	Power Disconnect Switch
30	RAC 7302 - 1 Gang BoX
6	RAC 7835 - 2 Gang Box
5	Smoke Detector
4	Switched Receptacle
4	Telephone Outlet
3	Three Way Switch

elecinth REPORT

Mon Jan 10 11:41:18 2005
p:*fl*houses 05*sunbury*electrical*sun3-r.el2

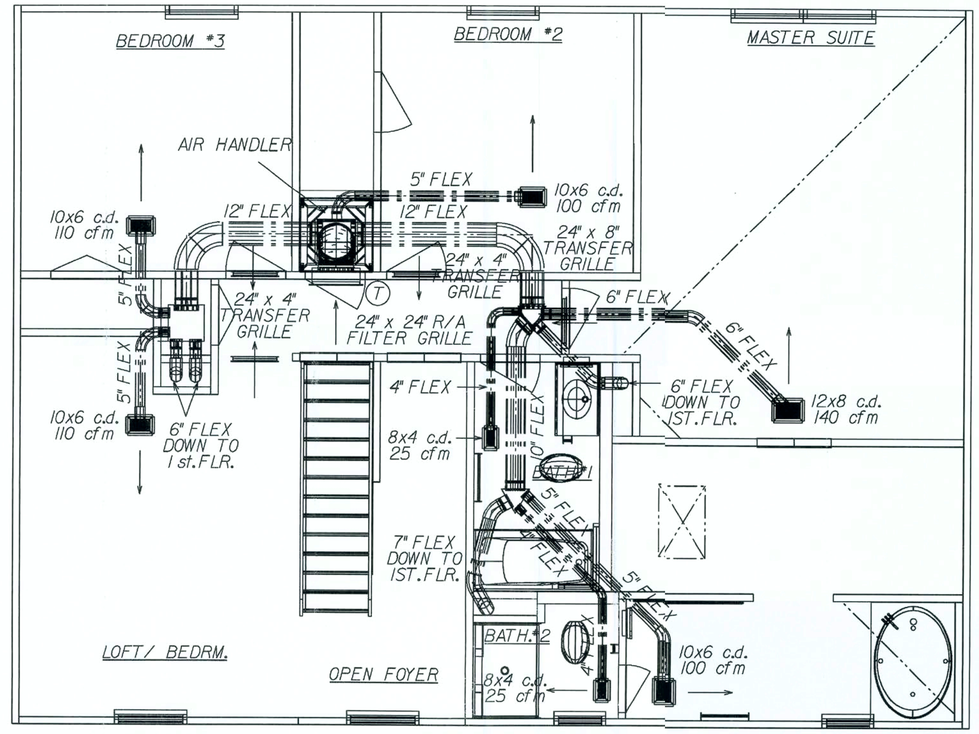
QUANTITY	DESCRIPTION
71'	10 Gauge/3 Cond. Copper
40'	12 Gauge/2 Cond. Copper
1075'	14 Gauge/2 Cond. Copper
306'	14 Gauge/3 Cond. Copper

MECHANICAL EQUIPMENT :

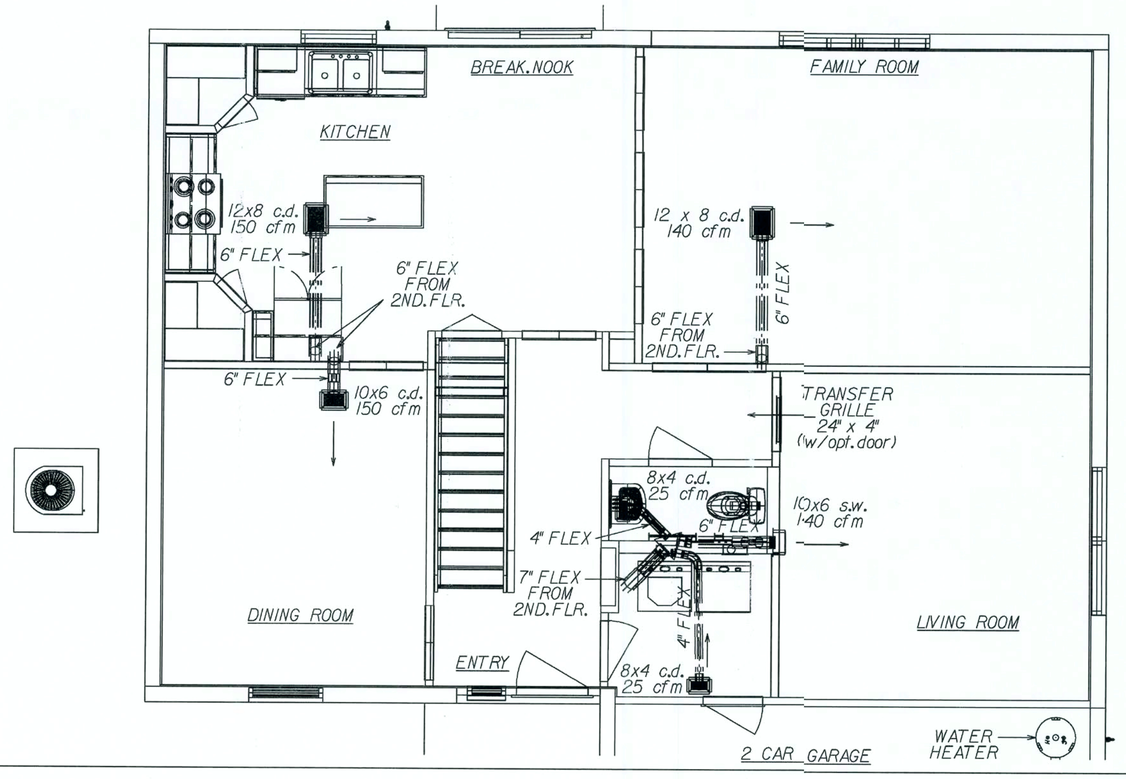
3.5 TON
TEMPSTAR FEM2X4200 13 SEER
TEMPSTAR N2H342AKA 13 SEER
7.5 KW
BRAEBURN 5200 2 STAGE HEAT PUMP PROGRAMABLE
BROAN 671-70 CFM (2)
SIZES OF REDUCTION BOXES (DB6-16x14x6x12x15)
SIZE OF TRIANGLES (15x15x15x15)
EXT.STATIC .60 - 1240 CFM M

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

* USE WITH 13 SEER EQUIPMENT *



SECOND FLOOR PLAN
SCALE 1/4" = 1' - 0"



FIRST FLOOR PLAN
SCALE 1/4" = 1' - 0"

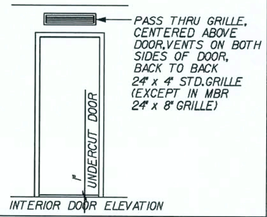
GENERAL MECHANICAL NOTES:

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:



INTERIOR DOOR ELEVATION

REVISIONS :
REV.TRANSFER GRILLE @ M.B.R.(08/05/05)
11-01-05 REMOVED ENG'S NOTE
11/28/05 REVISED HEATING SYSTEM T.J.T.
1/2/07 UPDATED TO 13 SEER EQUIP.T.JM

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AMERICANA REGISTER LAYOUT
SUNBURY-NEWBERRY
3 BEDROOM / LOFT
DRAWN BY: T.J.TOOMEY
GARAGE: RIGHT
RELEASE DATE: 9/26/01

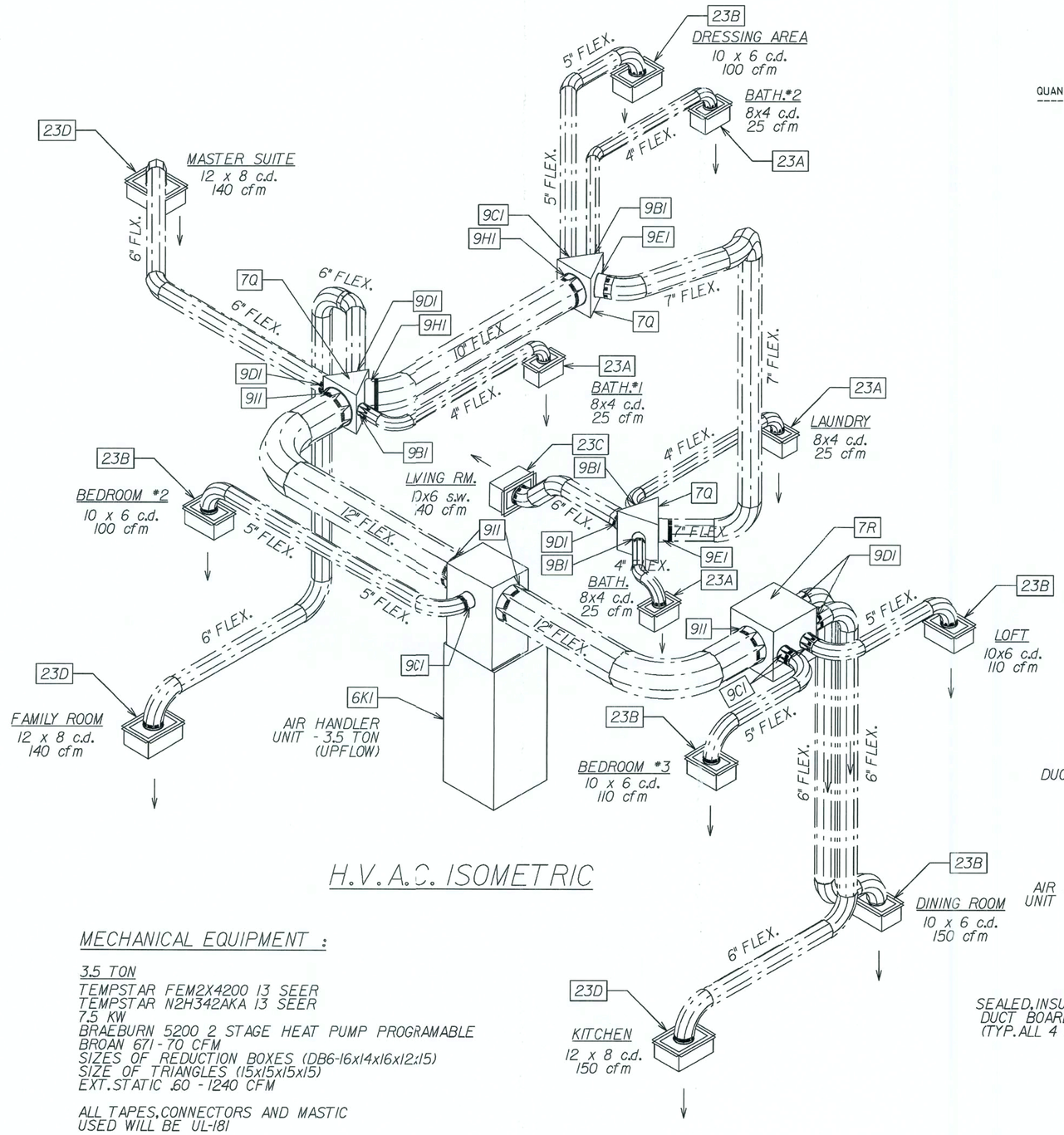
SHEET: HVA

PLOT DATE: 22 MAR 2007 15:24:20

p:\f1\houses_05\sunbury\hvac\sun13.hvg

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

* USE WITH 13 SEER EQUIPMENT *



H.V.A.C. ISOMETRIC

hvacitem REPORT

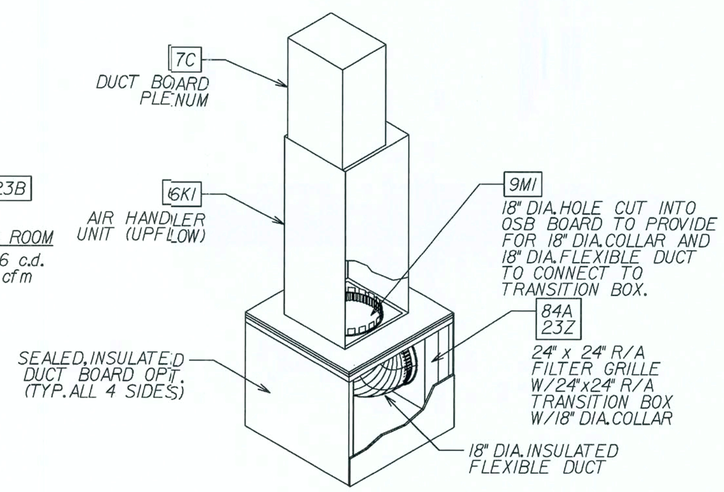
Tue Dec 26 16:45:47 2006
p:*fl*houses 05*sunbury*hvac*sunh.htg

QUANTITY	DESCRIPTION		
4	23A	150045.0035	8x4 CEILING BOOT W/4" DIA. COLLAR
5	23B	150045.0036	10x6 CEILING BOOT W/5" DIA. COLLAR
1	23C	150045.0036	10x6 CEILING BOOT W/6" DIA. COLLAR
3	23D	150045.0038	12x8 CEILING BOOT W/6" DIA. COLLAR
1	23Z	150045.0046	24x24 R/A TRANSITION BOOT W/18" COLLAR
7'	3F10	150040.0097	10" FOIL FLEX R6
15'	3F12	150040.0098	12" FOIL FLEX R6
3'	3F18	150040.0138	18" FOIL FLEX R6
25'	3F4	150040.0091	4" FOIL FLEX R6
25'	3F5	150040.0092	5" FOIL FLEX R6
65'	3F6	150040.0093	6" FOIL FLEX R6
16'	3F7	150040.0094	7" FOIL FLEX R6
1	6K1	150005.0044	FEM2X4200A 13 SEER 3.5 TON AIR HANDLER UNIT
1	6Q1	150010.0104	N2H342AKA 13 SEER 3.5 TON CONDENSER
1	7C	150005.0110	19x13x30"H BOX PLENUM
3	7Q	150040.0118	DUCT PLENUM TRIANGLE
1	7R	150040.0111	18" SQUARE DUCT PLENUM
4	81A	150055.0041	24x4 TRANSFER GRILLE
4	81B	150045.0052	24x4 TRANSFER GRILLE FRAME
1	81C	150055.0078	24x8 TRANSFER GRILLE
1	81D	150045.0078	24x8 TRANSFER GRILLE FRAME
1	84A	150055.0032	24x24 RETURN AIR FILTER GRILLE
4	9B1	150040.0075	4" K-COLLAR/ROTH (4KC/413)
4	9C1	150040.0076	5" K-COLLAR/ROTH (5KC/413)
5	9D1	150040.0077	6" K-COLLAR/ROTH (6KC/413)
2	9E1	150040.0078	7" K-COLLAR/ROTH (7KC/413)
2	9H1	150040.0081	10" K-COLLAR/ROTH (10KC/413)
4	9I1	150040.0082	12" K-COLLAR/ROTH (12KC/413)
1	9M1	150040.0137	18" K-COLLAR/ROTH (18KC/413)

MECHANICAL EQUIPMENT :

3.5 TON
TEMPSTAR FEM2X4200 13 SEER
TEMPSTAR N2H342AKA 13 SEER
7.5 KW
BRAEBURN 5200 2 STAGE HEAT PUMP PROGRAMABLE
BROAN 671-70 CFM
SIZES OF REDUCTION BOXES (DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)
EXT.STATIC .60 - 1240 CFM

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



RETURN-AIR ISOMETRIC

REVISIONS :
11/28/05 REVISED HEATING SYSTEM T.J.T.
12/29/06 UPDATED TO 13 SEER T.J.M.

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

05

p:\fl\houses_05\sunbury\hvac\sunh31.so

HVAC ISO

AMERICANA

SUNBURY-NEWBERRY

3 BEDROOM/LOFT

DRAWN BY: T.J.T.

GARAGE: RIGHT

RELEASE DATE: 9/9/99

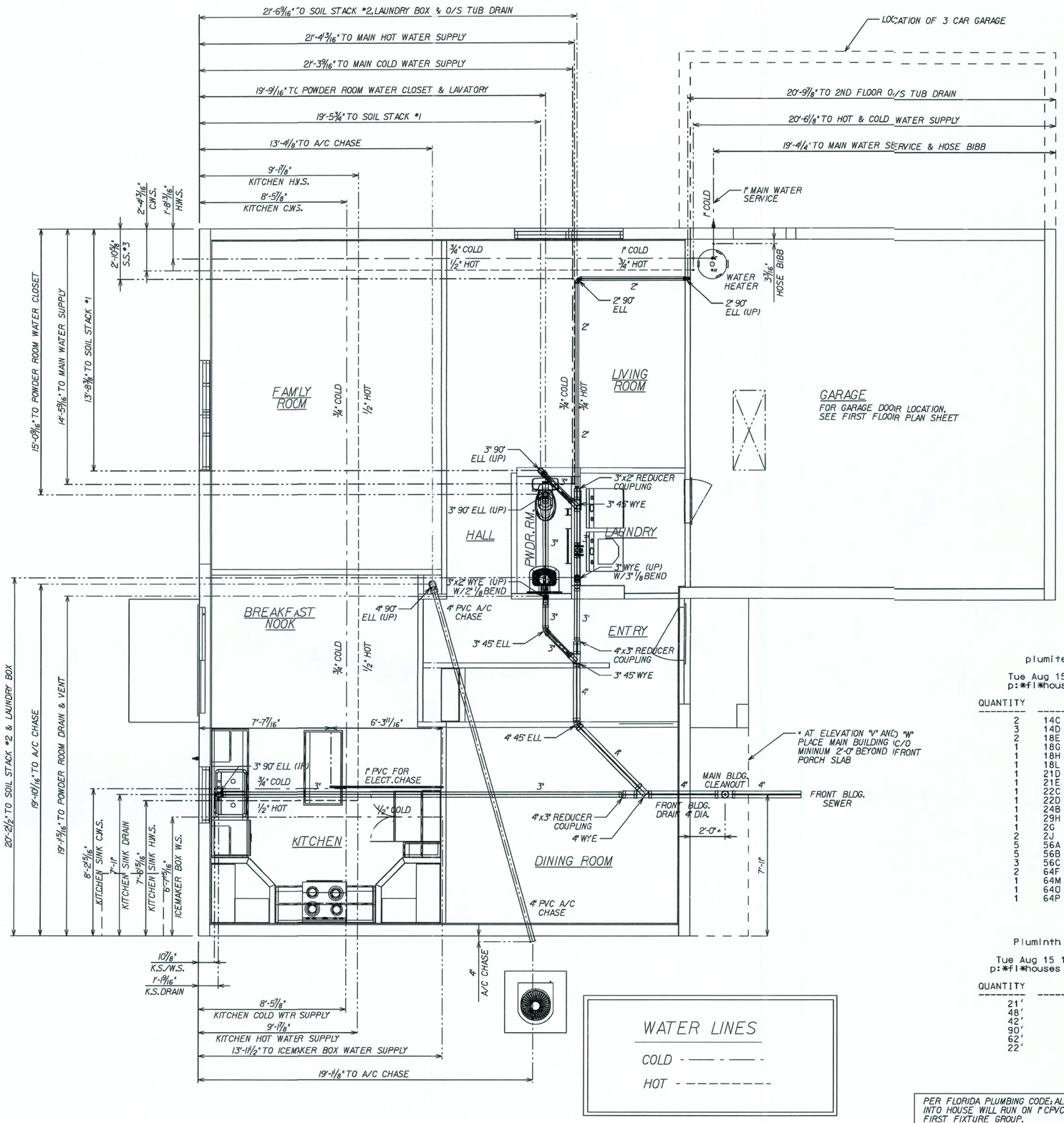
15,2421

PLOT DATE: 22 MAR 2007

SHEET:

ISO-H

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



plumitem REPORT

Tue Aug 15 15:17:27 2006
p:*fl*houses 05*sunbury*plumbing*sunbury.fp1

QUANTITY		DESCRIPTION	
2	14C	130005.0041	2" PVC 90 ELBOW
3	14D	130005.0066	3" PVC 90 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	21D	130005.0064	3" PVC 45 ELBOW
1	21E	130005.0083	4" 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.
1	2G	130005.0061	3x2 PVC REDUCER COUPLING
2	2J	130005.0082	4X3 REDUCER COUPLING
5	56A	150060.0199	1/2" CPVC 90 ELBOW
5	56B	130010.0007	3/4" CPVC 90 ELBOW
3	56C	130010.0057	1" CPVC 90 ELBOW
2	64F	130010.0037	3/4"X1/2"X3/4" 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

Tue Aug 15 15:17:27 2006
p:*fl*houses 05*sunbury*plumbing*sunbury.fp1

QUANTITY	DESCRIPTION	
21'	130005.0047	2" PVC PIPE
48'	130005.0072	3" PVC PIPE
42'	130005.0091	4" PIPE
90'	130010.0012	3/4" CPVC PIPE
62'	130010.0025	.5" CPVC PIPE
22'	130010.0056	1" CPVC PIPE

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

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :

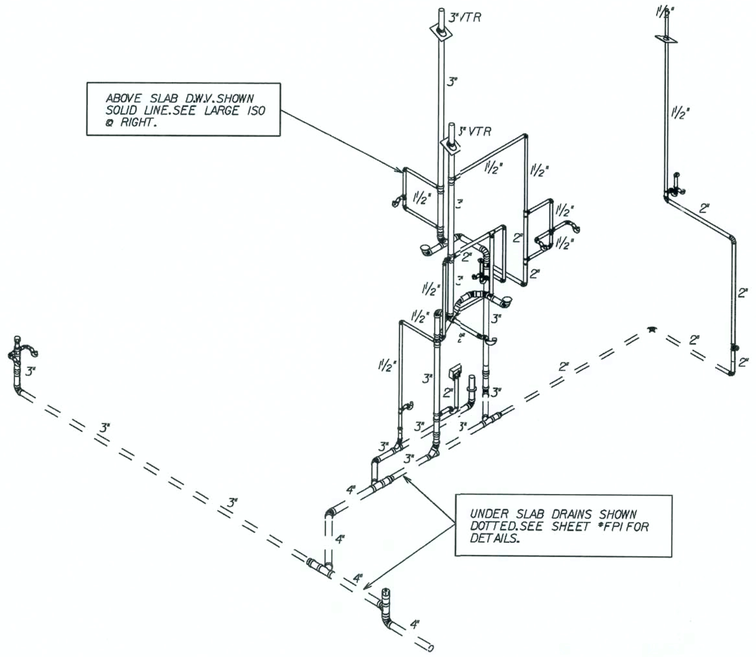
06-07-06	ADDED 3CAR GARAGE LOCATION
06/26/06	REVISED AS PER DRAWINGS TJM
08/15/06	REV.CLEANOUT & BOM LIST TJM
09-25-06	ADDED GARAGE DOOR NOTE

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

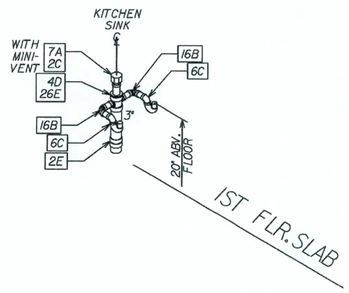
AMERICANA
UNDRGRND.PLMB.
SUNBURY-NEWBERRY
ALL ELEVATIONS
DRAWN BY: T.J.T.
GARAGE: RIGHT
RELEASE DATE: 09/09/99
PLOT DATE: 22 MAR 2007
15:32:07
p:\fl\houses...05\sunbury\plumbing\sunbury.fp1

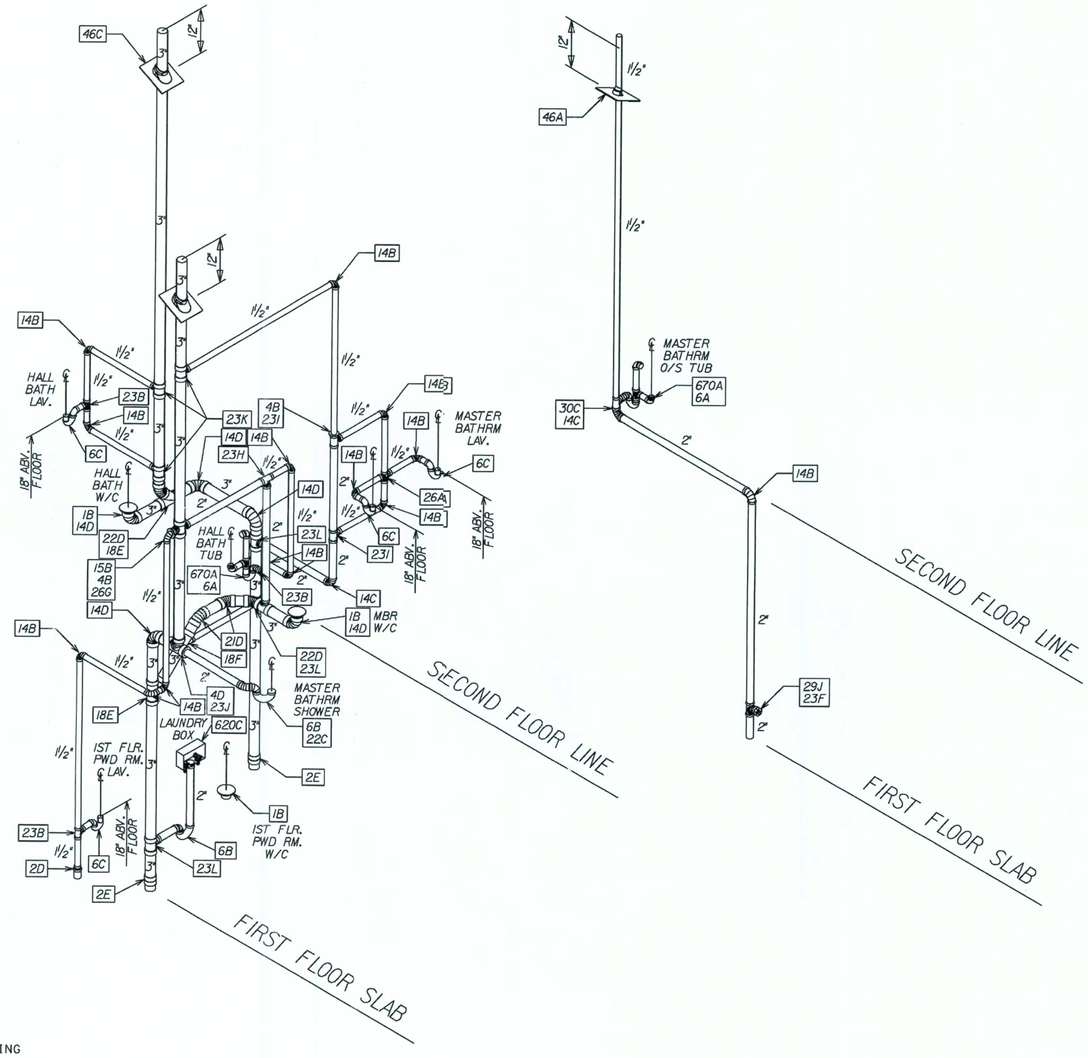
SHEET: FP1

05



COMPLETE SANITARY PLUMBING DIAGRAM





plumitem REPORT

Thu Aug 17 14:39:44 2006
p:*fl*houses 05*sunbury*plumbing*sunburyp.plm

QUANTITY		DESCRIPTION	
16	14B	130005.0013	1.5" P/C 90 ELBOW
3	14C	130005.0041	2" PVC 90 ELBOW
5	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
1	18F	130005.0057	3"x3"x1.5" PVC 45 WYE
3	1B	130005.0099	4"X3" CLOSET FLANGE
2	21D	130005.0064	3" PVC 45 ELBOW
1	22C	130005.0040	2" PVC 45 ST. ELBOW
2	22D	130005.0065	3" PVC 45 ST. ELBOW
3	23B	130005.0024	1.5" PVC TEE
1	23F	130005.0048	2" PVC TEE
1	23H	130005.0265	2"x1.5"x2" PVC TEE
2	23I	130005.0034	2"x2"x1.5" PVC TEE
1	23J	130005.0074	3" PVC TEE
3	23K	130005.0056	3"x3"x1.5" PVC TEE
3	23L	130005.0062	3"x3"x2" PVC TEE
1	26A	130005.0727	1.5" DOUBLE TEE
1	26E	130005.0132	3"x3"x1.5"x1.5" DOUBLE TEE
1	26G	130005.0134	3"x3"x2"x2" DOUBLE TEE
1	29J	130005.0291	2" CO ADAPTER W/CO PLUG
1	2C	130005.0043	2" PVC COUPLING
1	2D	130005.0033	2x1.5 PVC REDUCER COUPLING
3	2E	130005.0068	3" PVC COUPLING
1	30C	130005.0279	2x1.5x1.5" ST. TEE
1	46A	130050.0238	1-1/2" NEOPRENE ROOF FLASHING
2	46C	130050.0028	3" NEOPRENE ROOF FLASHING
2	4B	130005.0032	2x1.5 FTG FL BUSHING
2	4D	130005.0059	3x2 FTG FL BUSHING
1	620C	130035.0027	Laundry Box Center
2	670A	130005.0105	1 1/2" WATCO TUB OVERFLOW ASSEMBLY
2	6A	130005.0022	1.5"x1.5" P-TRAP PartA
2	6A	130005.0022	1.5"x1.5" P-TRAP PartB
2	6B	130005.0046	2" P-TRAP
6	6C	130005.0107	1.5"x1.25" P-TRAP W/UNION JT
1	7A	130005.0160	1.25-2" STUDOR MINI-VENT

PlumInth REPORT

Thu Aug 17 14:39:44 2006
p:*fl*houses 05*sunbury*plumbing*sunburyp.plm

QUANTITY	DESCRIPTION	
64'	130005.0023	1.5" PIPE
33'	130005.0047	2" PVC PIPE
52'	130005.0072	3" PVC PIPE

REVISIONS :
06/26/06 REVISED AS PER DRAWINGS TJM
08/18/06 REVD.KITCHEN SINK ASSEM.- TJM

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

05

AMERICANA DWV PLUMBING ISO

SUNBURY-NEWBERRY

ALL ELEVATIONS

DRAWN BY: T J TOOMEY
GARAGE: RIGHT
RELEASE DATE: 02/28/05
PLOT DATE: 22 MAR 2007
15:32:07

p:\fl\houses_05\sunbury\plumbing\sunburyp.iso

SHEET:
ISO-P

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

plumitem REPORT

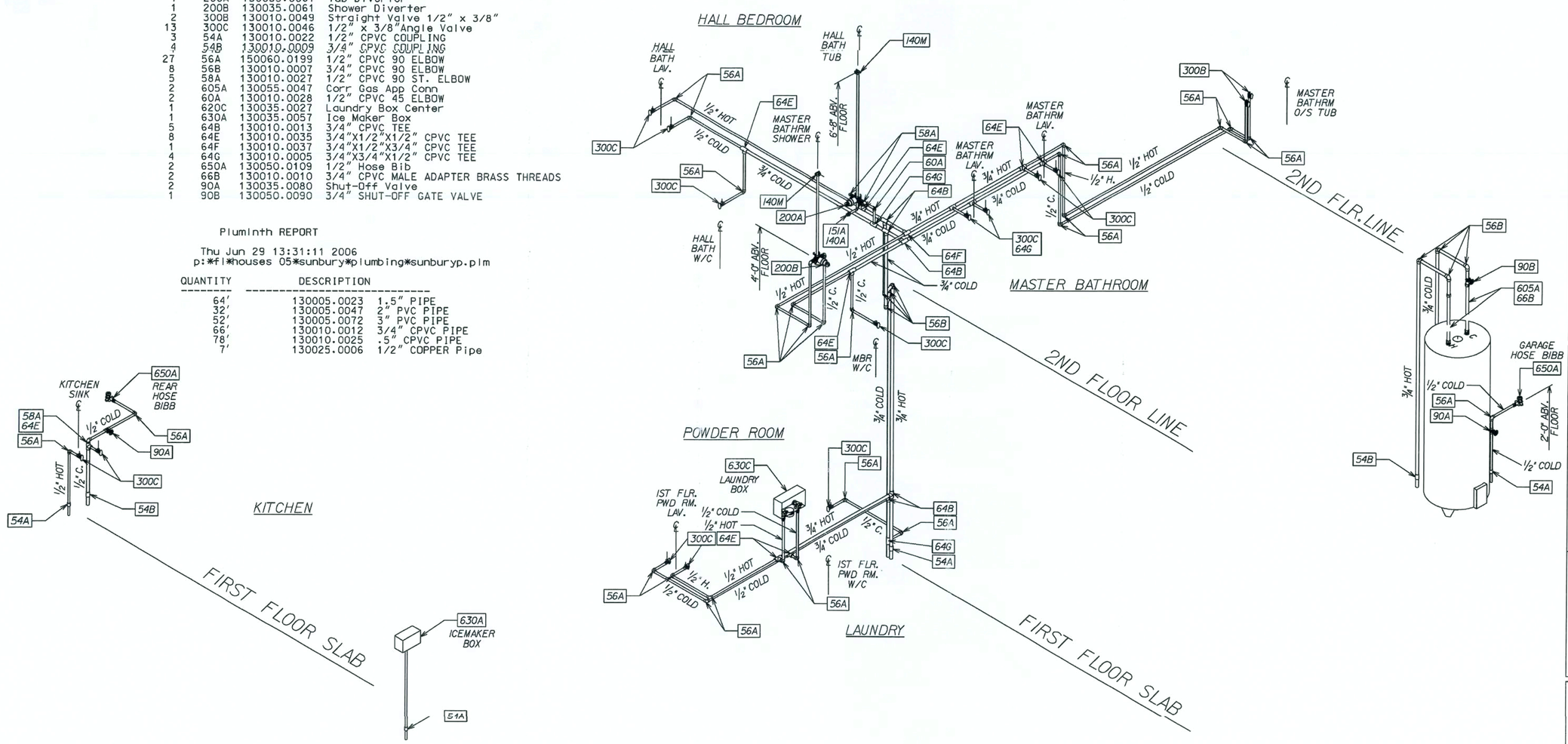
Thu Jun 29 13:31:11 2006
p:*fl*houses 05*sunbury*plumbing*sunburyp.plm

QUANTITY		DESCRIPTION	
1	140A	130025.0017	1/2" COPPER 90 ELBOW
2	140M	130025.0051	1/2" COPPER 90 ELBOW Drop
1	151A	130025.0020	1/2" COPPER MALE ADAPTER
1	200A	130035.0061	Tub Diverter
1	200B	130035.0061	Shower Diverter
2	300B	130010.0049	Straight Valve 1/2" x 3/8"
13	300C	130010.0046	1/2" x 3/8"Angle Valve
3	54A	130010.0022	1/2" CPVC COUPLING
4	54B	130010.0009	3/4" CPVC COUPLING
27	56A	150060.0199	1/2" CPVC 90 ELBOW
8	56B	130010.0007	3/4" CPVC 90 ELBOW
5	58A	130010.0027	1/2" CPVC 90 ST. ELBOW
2	605A	130055.0047	Corr Gas App Conn
2	60A	130010.0028	1/2" CPVC 45 ELBOW
1	620C	130035.0027	Laundry Box Center
1	630A	130035.0057	Ice Maker Box
5	64B	130010.0013	3/4" CPVC TEE
8	64E	130010.0035	3/4"X1/2"X1/2" CPVC TEE
1	64F	130010.0037	3/4"X1/2"X3/4" CPVC TEE
4	64G	130010.0005	3/4"X3/4"X1/2" CPVC TEE
2	650A	130050.0109	1/2" Hose Bib
2	66B	130010.0010	3/4" CPVC MALE ADAPTER BRASS THREADS
2	90A	130035.0080	Shut-Off Valve
1	90B	130050.0090	3/4" SHUT-OFF GATE VALVE

PlumInth REPORT

Thu Jun 29 13:31:11 2006
p:*fl*houses 05*sunbury*plumbing*sunburyp.plm

QUANTITY	DESCRIPTION	
64'	130005.0023	1.5" PIPE
32'	130005.0047	2" PVC PIPE
52'	130005.0072	3" PVC PIPE
66'	130010.0012	3/4" CPVC PIPE
78'	130010.0025	.5" CPVC PIPE
7'	130025.0006	1/2" COPPER Pipe



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

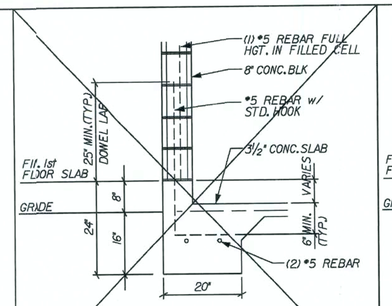
FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :
06/26/06 REVISED AS PER DRAWINGS T.JM

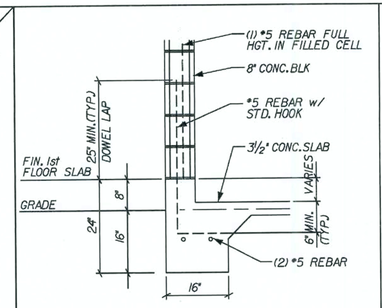
Maronda Homes
(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

AMERICANA | CPVC WATER ISO
SUNBURY-NEWBERRY
3 BEDROOM/LOFT
GARAGE: RIGHT
DRAWN BY: T.J.TOOMEY
RELEASE DATE: 03/03/05
15:32:08
PLOT DATE: 22 MAR 2007
p:\houses_05\sunbury\plumbing\sunburyw1.iso
05

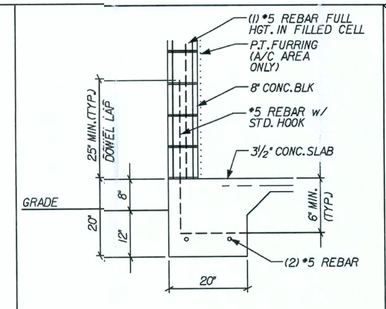
SHEET:
ISO-W



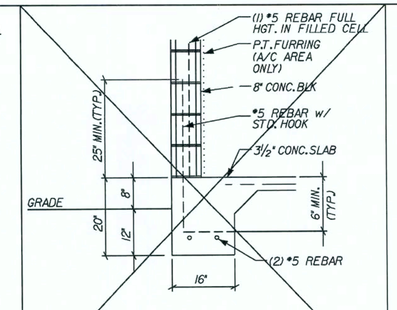
G2 GARAGE 2-STORY
REVISED 11-07-06 DELETED STONE LEDGE
NOT USED
SCALE: ½" = 1'-0"



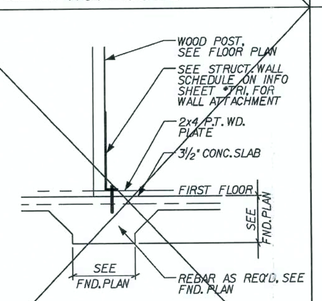
G GARAGE 1-STORY
REVISED 11-07-06 DELETED STONE LEDGE
SCALE: ½" = 1'-0"



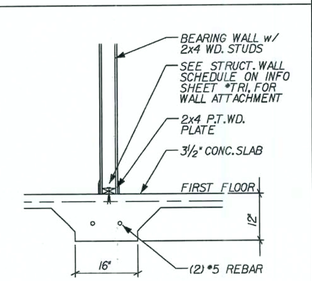
A2 TYPICAL 2-STORY
REVISED 11-07-06 DELETED STONE LEDGE
SCALE: ½" = 1'-0"



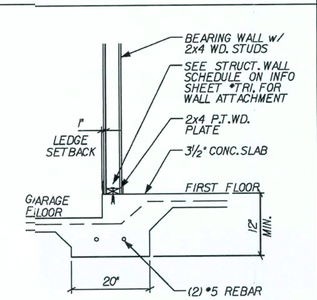
A TYPICAL 1-STORY
REVISED 11-07-06 DELETED STONE LEDGE
NOT USED
SCALE: ½" = 1'-0"



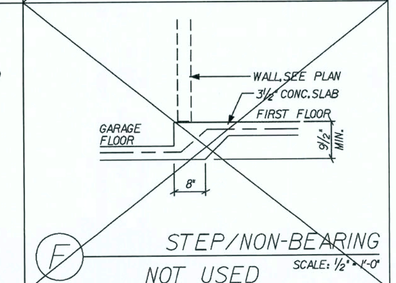
J INTERIOR BEARING POST
NOT USED
SCALE: ½" = 1'-0"



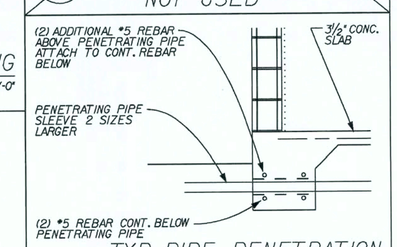
I INTERIOR BEARING
SCALE: ½" = 1'-0"



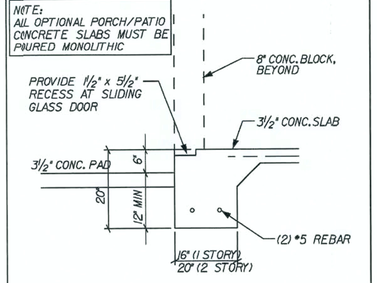
H STEP/BEARING
REVISED 01-31-05
SCALE: ½" = 1'-0"



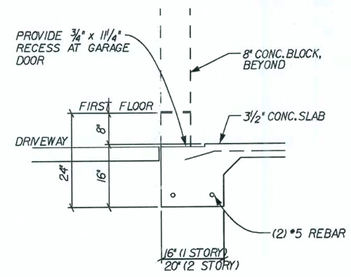
F STEP/NON-BEARING
NOT USED
SCALE: ½" = 1'-0"



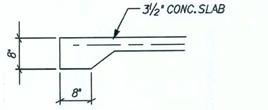
TYP. PIPE PENETRATION
REVISED 06-01-06 ADDED DETAIL
SCALE: ½" = 1'-0"



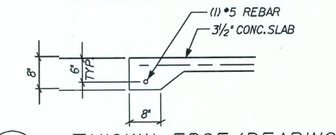
S RECESS @ SLIDER
REVISED 05-06-05
SCALE: ½" = 1'-0"



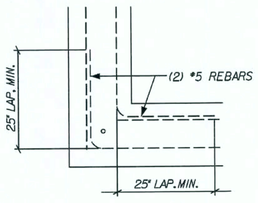
R THICK'N EDGE/GARAGE
REVISED 04-23-06
SCALE: ½" = 1'-0"



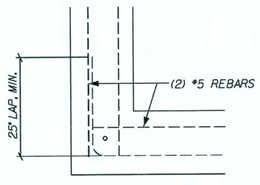
N THICK'N EDGE
SCALE: ½" = 1'-0"



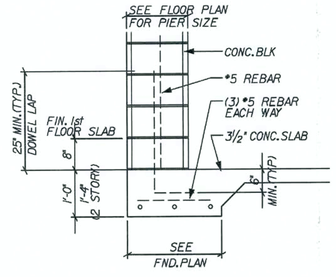
P THICK'N EDGE/BEARING
SCALE: ½" = 1'-0"



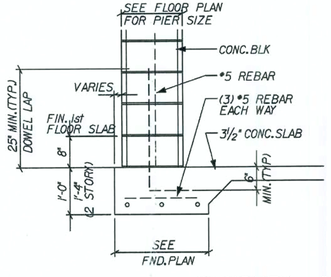
TYP. FTNG @ INSIDE CORNER
SCALE: ½" = 1'-0"



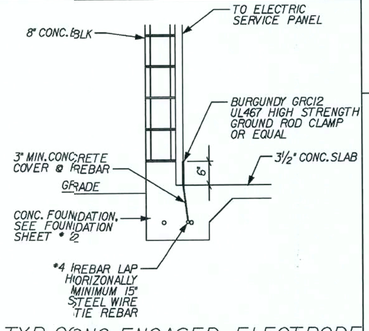
TYP. FTNG @ OUTSIDE CORNER
SCALE: ½" = 1'-0"



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



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



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

REVISIONS :

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

05

FOOTINGS | STANDARD DETAILS

SUNBURY-NEWBERRY

GARAGE:
DRAWN BY:
RELEASE DATE: 10-08-04

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

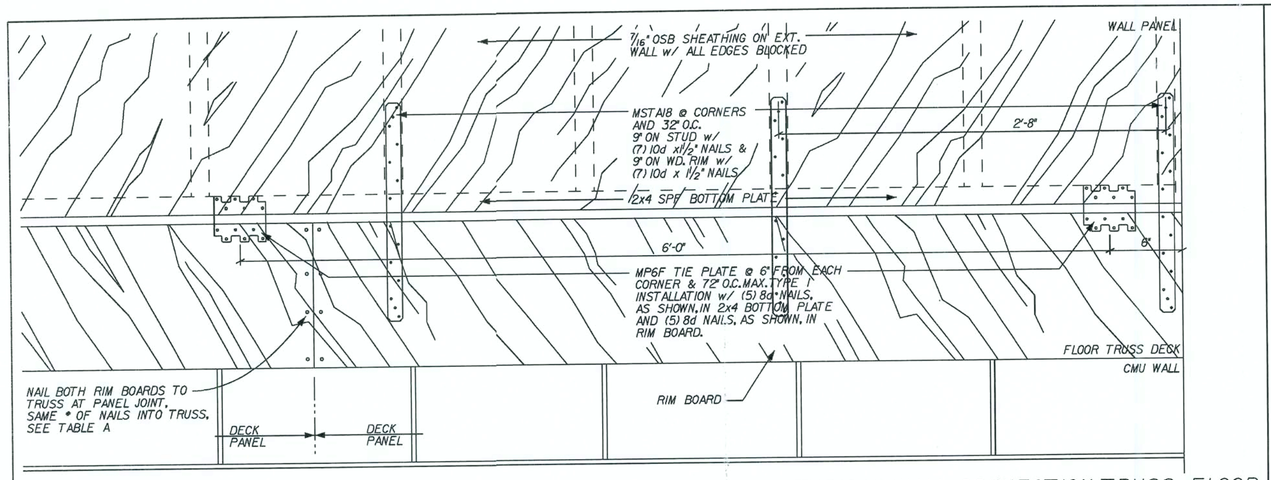
Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:
FTG

PLOT DATE: 26 JUN 2007
14-11-41
p:\f\houses_05\sunbury\dtls\sun-std.ftg

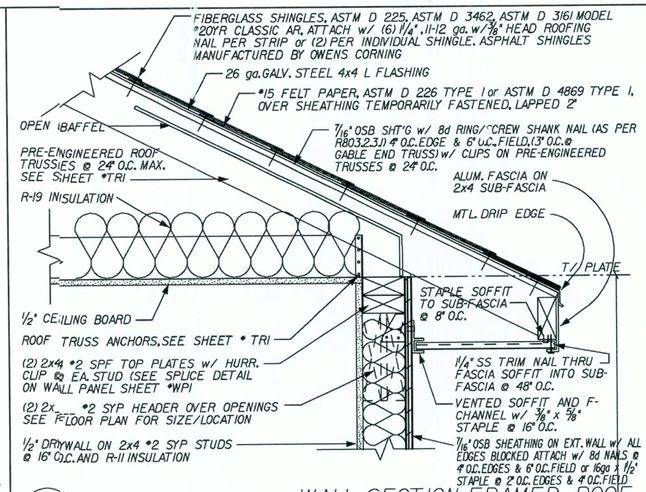
FLORIDA BUILDING CODE 2004 : RESIDENTIAL



J

TYPICAL WALL CONNECTION-TRUSS FLOOR

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

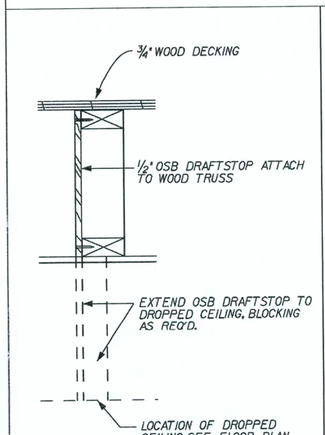


C

WALL SECTION-FRAMED ROOF

REVISED 05-02-07 - OSB ROOF NAIL TYPE

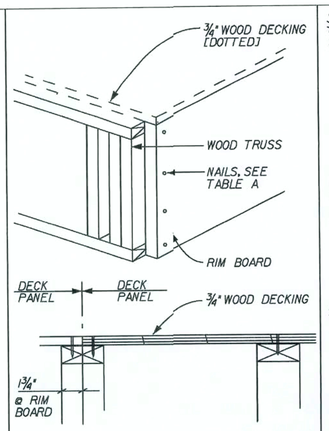
SCALE: 1 1/2" = 1'-0"



H

DRAFT STOPPING-TRUSS FLOOR

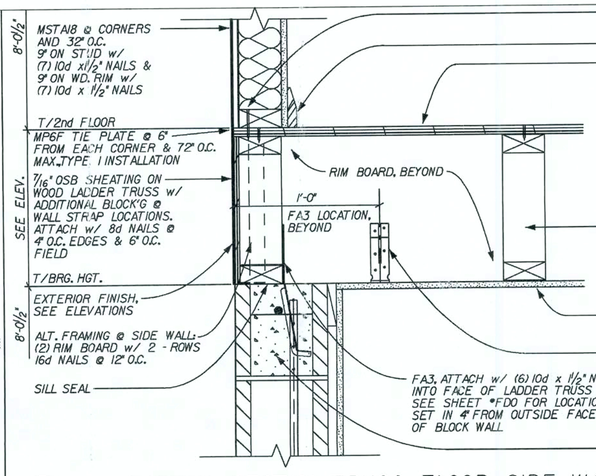
SCALE: 1 1/2" = 1'-0"



G

DECK CONNECTION @ PANEL JOINT TRUSS FLOOR

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

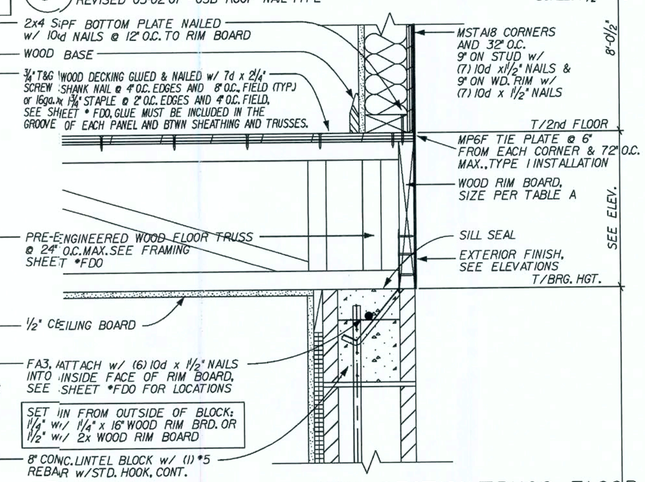


E

PARTIAL SECTION-TRUSS FLOOR SIDE WALL

REVISED 05-02-07
FLOOR DECK NAIL'G

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



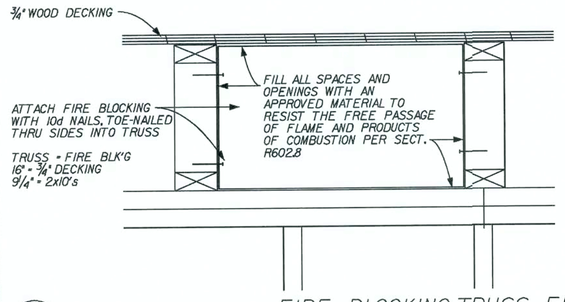
B

WALL SECTION-TRUSS FLOOR

REVISED 05-02-07
FLOOR DECK NAIL'G

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
16"	1 1/4" x 16"	(6) 10d NAILS

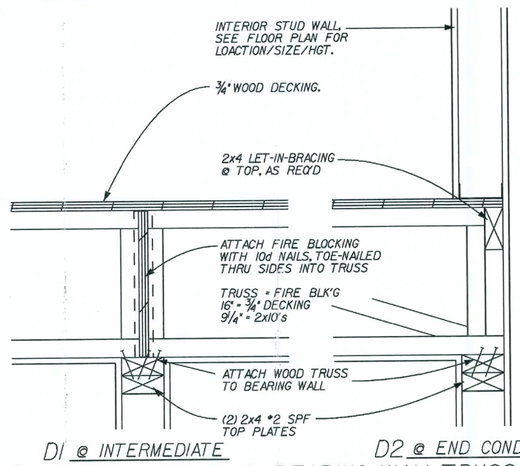


F

FIRE BLOCKING-TRUSS FLOOR

REVISED 05-05-06
REV. NOTE @ OPENINGS

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



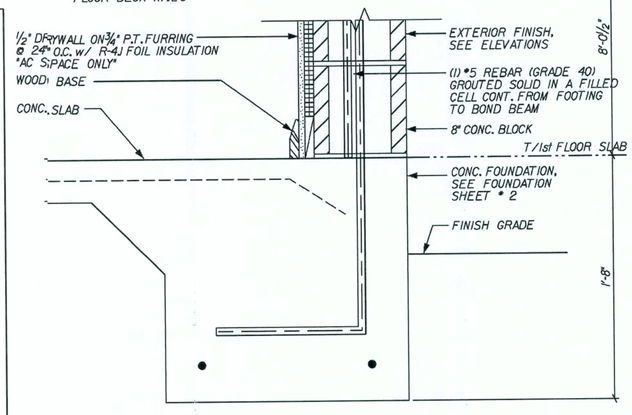
D1 @ INTERMEDIATE D2 @ END CONDITION

D

TYPICAL INTERIOR BEARING WALL-TRUSS FLOOR

REVISED 01-04-07
LET-IN BRACING NOTE

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



A

WALL SECTION-FOUNDATION @ BLOCK

REVISED 02-19-07
FOIL INSUL TO R-4J

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

REVISIONS :

Maronda Homes

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

05

p:\r\houses_05\sunbury\dtls\std_ws-slaws

TWO STORY WALL SECTIONS

SUNBURY-NEWBERRY

GARAGE:

DRAWN BY:

RELEASE DATE: 10-08-04

14-41-42

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

Tomas Ponce P.E.
License No. 0050068

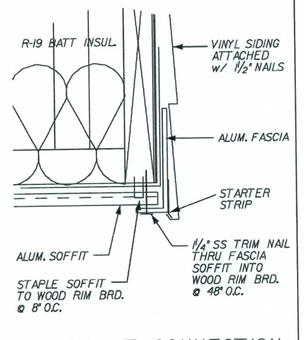
SEP 26 2007

SHEET:

WS-S1

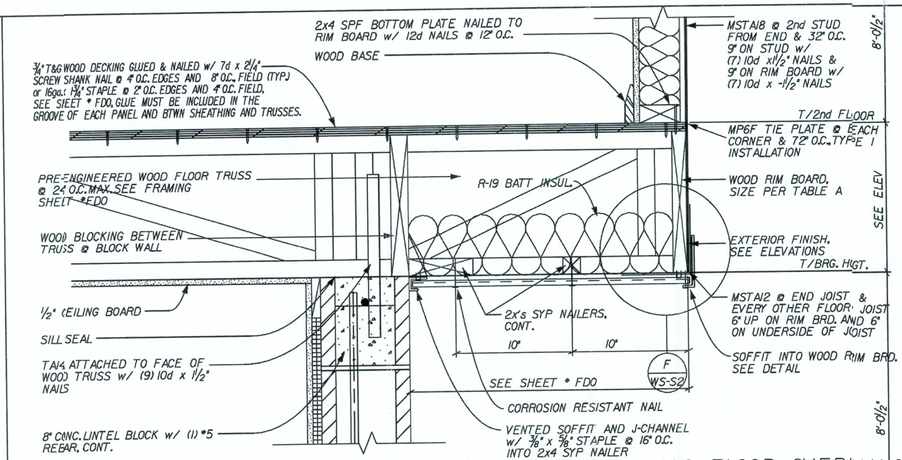
PLOT DATE: 26 JUN 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



F SOFFIT CONNECTION-TRUSS FLOOR

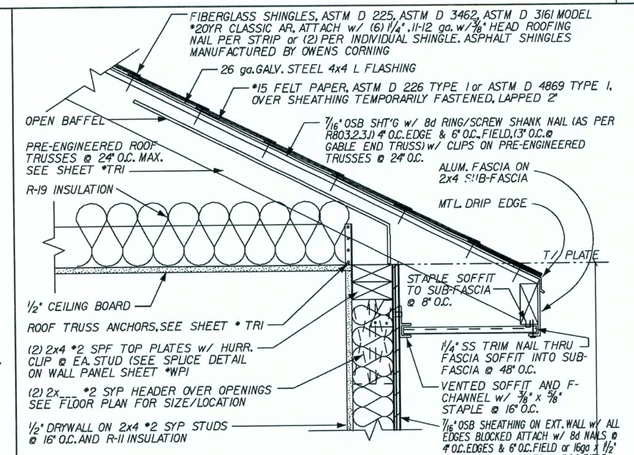
SCALE: 3" = 1'-0"



E WALL SECTION-TRUSS FLOOR OVERHANG

REVISED 05-02-07 FLOOR DECK NAIL'G

SCALE: 1½" = 1'-0"

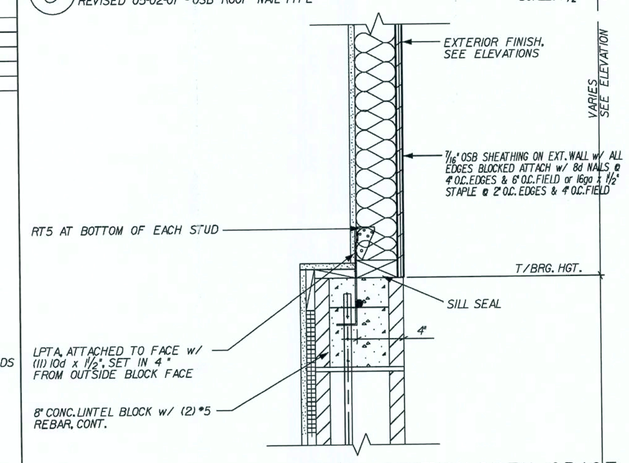


C WALL SECTION-FRAMED ROOF

REVISED 05-02-07 - OSB ROOF NAIL TYPE

SCALE: 1½" = 1'-0"

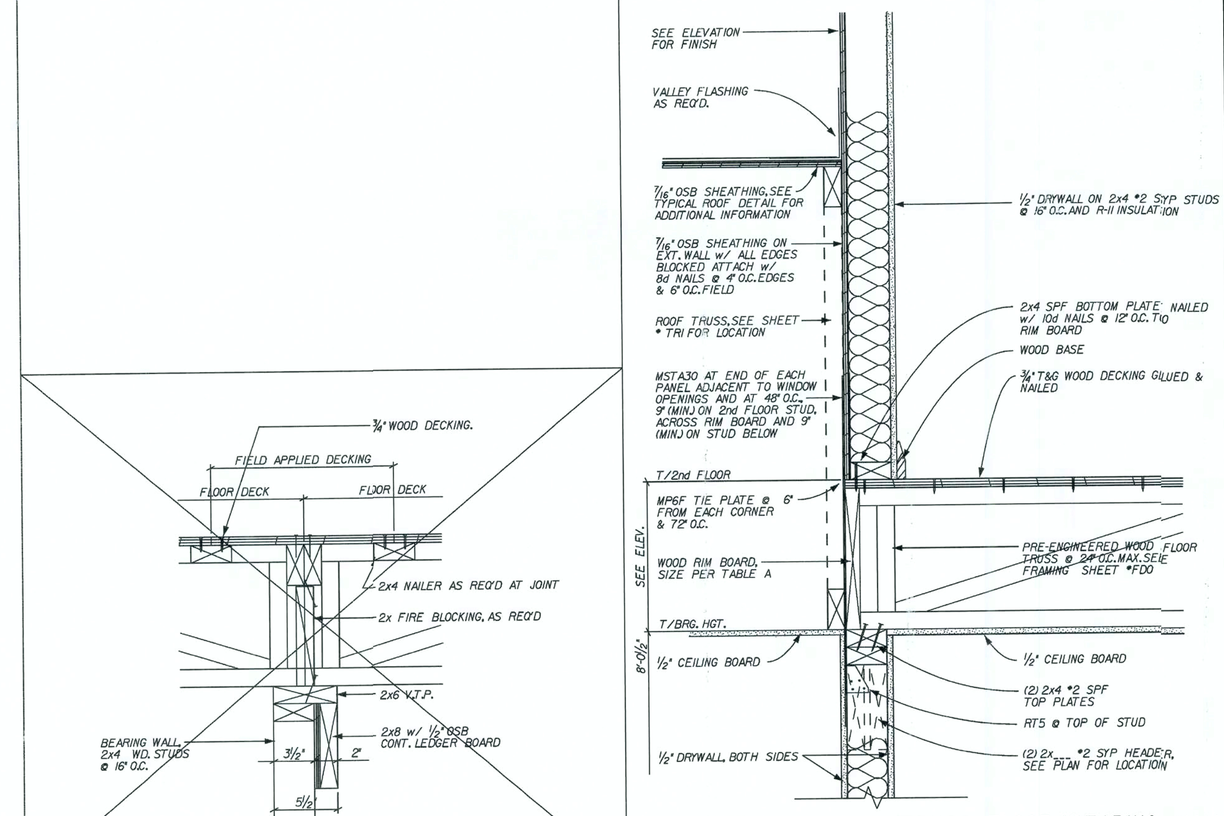
TABLE A		
TRUSS DEP.	RIM BD.	* NAILS, RIM BRD. TO FLOOR TRUSS
9¼"	2x10	(4) 10d NAILS
16"	1¼" x 16"	(6) 10d NAILS



B WALL SECTION-OPEN SPACE

REVISED 04-16-07 - STAPLES @ OSB WALLS

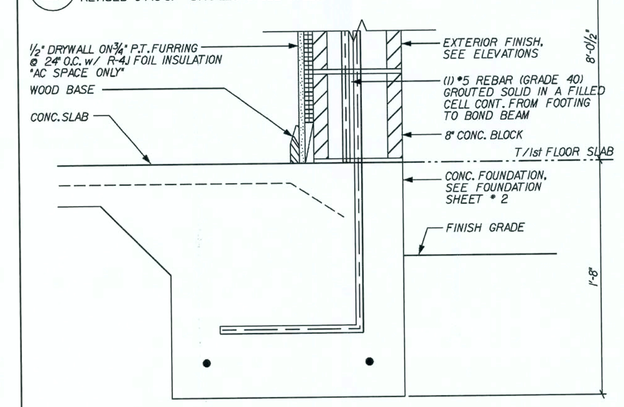
SCALE: 1½" = 1'-0"



D PARTIAL SECTION-TRUSS FLOOR/BEARING WALL

REVISED 01-04-07 FLOOR DECK NAIL'G

SCALE: 1½" = 1'-0"



A WALL SECTION-FOUNDATION @ BLOCK

REVISED 02-19-07 FOIL INSUL TO R-4J

SCALE: 1½" = 1'-0"

H PANEL JOINT @ BEARING WALL-TRUSS FLOOR

REVISED 12-20-05 : REV. *9 SCREW TO *10 SCREW

NOT USED

SCALE: 1½" = 1'-0"

REVISIONS :

Maronda Homes

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

05

TWO STORY

WALL SECTIONS

SUNBURY-NEWBERRY

DRAWN BY:

GARAGE:

RELEASE DATE: 10-08-04

PLOT DATE: 26 JUN 2007

14x4lA3

pxf\1x0x986-D5\sunbury\dfl8\sfd_ws-s2.pws

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

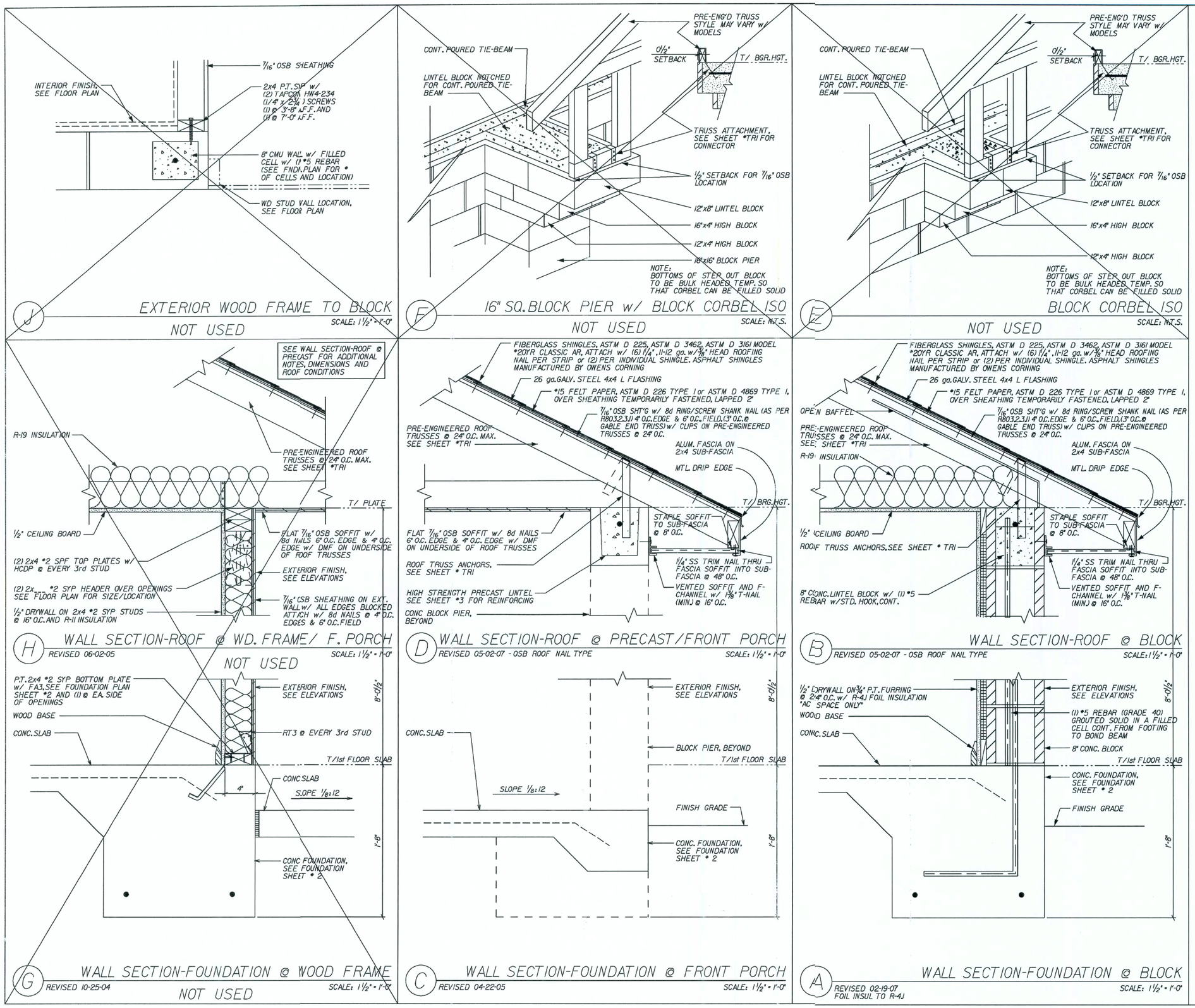
Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:

WS-S2

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :

Maronda Homes

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

ONE STORY

WALL SECTIONS

SUNBURY-NEWBERRY

GARAGE:

DRAWN BY:

RELEASE DATE: 10-08-04

14-41-44

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:

WS-B1

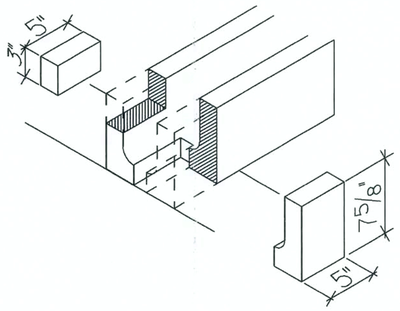
PLOT DATE: 26 JUN 2007

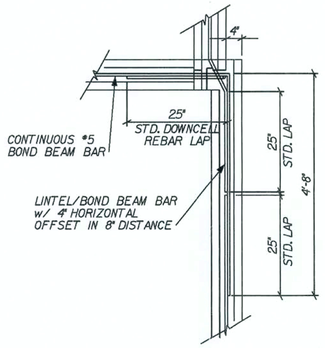
05

p:\f\houses_05\sunbury\dfl\sfd_ws-b1.sws

USP HARDWARE - 160% REVISED 05-10-06

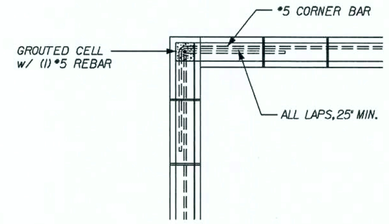
PRODUCT CODE #	MAN.	FASTENERS	UPLIFT
C44	USP	POST (6) 16d BEAM (6) 10d X 1½"	1000
FA3	USP	TOP (4) 10d X 1½" SIDE (2) 10d X 1½"	1155
HC520 CLIP	USP	PLATES (11) 8d STUD (6) 8d	445
HHCP2 CRNR CLIP	USP	TRUSS (10) 10d X 1½" PLATE (10) 10d X 1½"	800
HTA 20 ANCHOR	USP	(14) 10d X 1½"	1615
HTA 20(2) ANCHOR	USP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





MODIFIED LINTEL @ FRONT PORCH

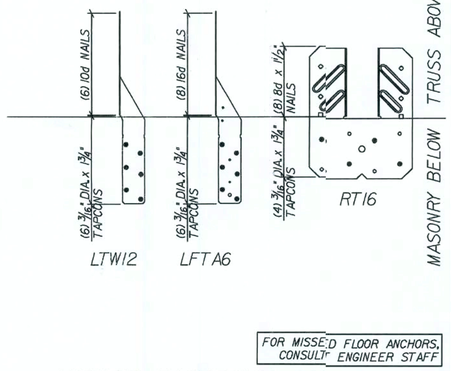
SCALE: N.T.S.



TYPICAL BOND BEAM @ CORNER

REVISED 04-22-05 SCALE: ½" = 1'-0"

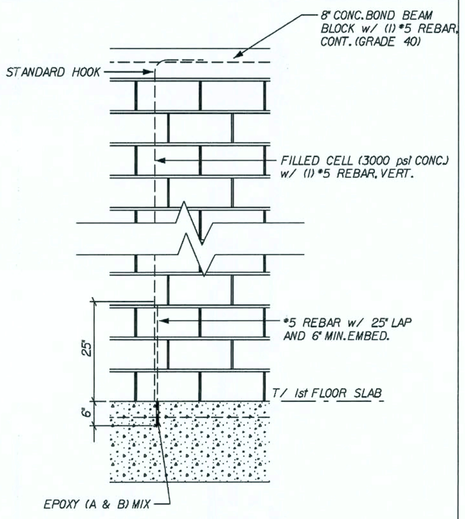
CONNECTOR	MAX. UPLIFT
LTW12	775 LBS
LFTA6	990 LBS
RT16	700 LBS



FOR MISSED FLOOR ANCHORS, CONSULT ENGINEER STAFF

ANCHOR FASTENING SCHEDULE
MISSED ROOF TIE DOWN REPAIR

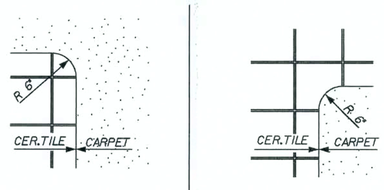
SCALE: N.T.S.



MISSED DOWN ROD REPAIR

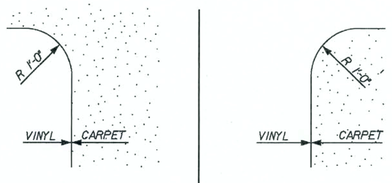
SCALE: ½" = 1'-0"

CERAMIC TILE TO CARPET



OUTSIDE CORNER INSIDE CORNER

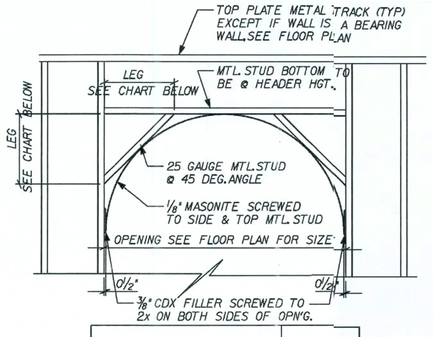
VINYL TO CARPET



OUTSIDE CORNER INSIDE CORNER

FLOOR EDGE CORNER DETAIL

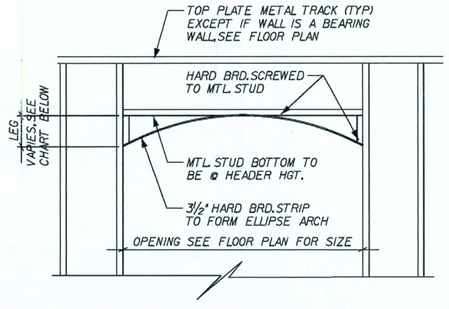
SCALE: ½" = 1'-0"



OPENING	LEGS
2'-1" - 2'-0" ARCH OPENING	7½"
2'-7" - 2'-6" ARCH OPENING	8⅞"
2'-9" - 2'-8" ARCH OPENING	9 7/16"
3'-1" - 3'-0" ARCH OPENING	10 5/16"
4'-1" - 4'-0" ARCH OPENING	15"
-	-

INTERIOR CURVED ARCH

SCALE: ½" = 1'-0"



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

INTERIOR ELLIPSE ARCH

SCALE: ½" = 1'-0"

REVISIONS :

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

AMERICANA STANDARD DETAILS

SUNBURY-NEWBERRY

GARAGE:

DRAWN BY:

RELEASE DATE: 10-08-04

14:41:45

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:
SD1

PLOT DATE: 26 JUN 2007

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FLORIDA BUILDING CODE 2004 : RESIDENTIAL

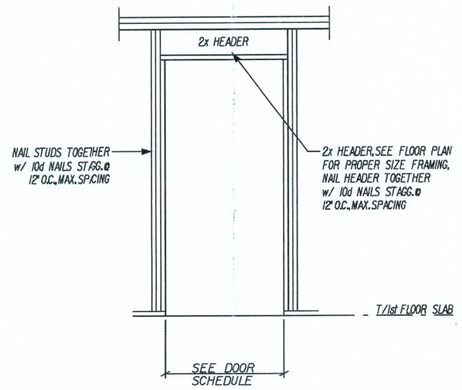
REVISED 02-15-07
83¾" -> 82⅞"

DOOR SCHEDULE

DOOR TYPE	ACTUAL SIZE	ROUGH FRAME OPENING	ROUGH BLOCK OPENING 2" BUCK
2-0 STANDARD I.S.	25½" x 80⅝"	26" x 80⅛"	29" x 82⅞"
2-8 STANDARD I.S.	33½" x 80⅝"	34" x 80⅛"	37" x 82⅞"
2-10 STANDARD I.S.	35½" x 80⅝"	36" x 80⅛"	39" x 82⅞"
3-0 STANDARD I.S.	37½" x 82"	38" x 82¼"	41" x 82⅞"
3-0 w/SIDELIGHT I.S.	51⅛" x 82"	51⅝" x 82¼"	54⅝" x 82⅞"
3-0 w/(2) SIDELIGHT I.S.	64½" x 82"	65" x 82¼"	68" x 82⅞"
5-8 (2)2-10 FRENCH I.S.	70½" x 80⅝"	71" x 80⅞"	74" x 82⅞"

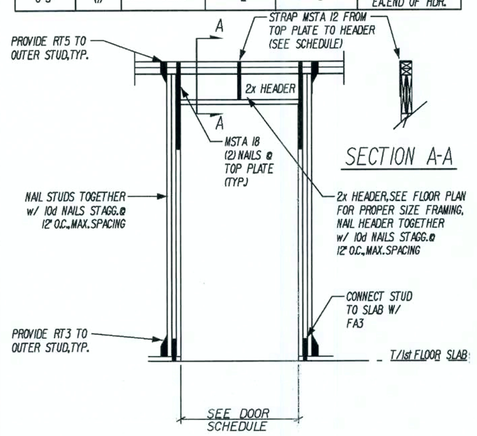
** FINISH OPENING IS DETERMINED BY ACTUAL SIZE +¼" FOR HEIGHT
** FINISH OPENING IS DETERMINED BY ACTUAL SIZE +½" FOR WIDTH
** O.S.= OUTSWING
** I.S.= INSWING

MAX. OPN'G SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10'-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	

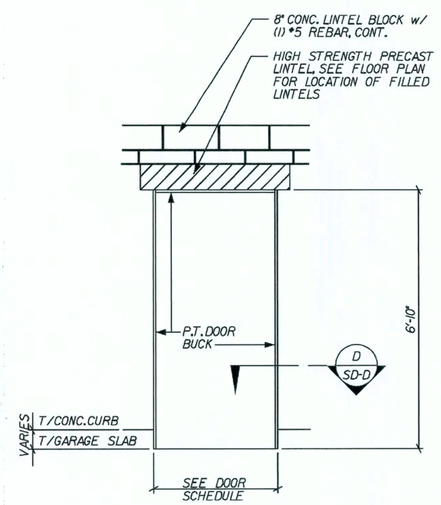


K STD.DOOR - WD FRAME,NO-UPLIFT
SCALE: N.T.S.

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.

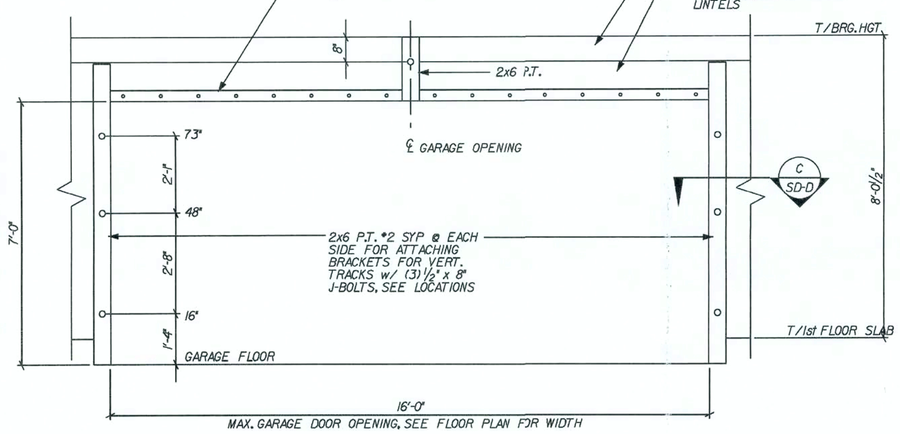


J STD.DOOR - WD FRAME,UPLIFT
SCALE: N.T.S.

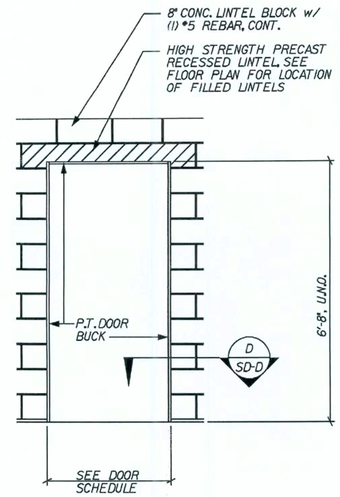


H OPTIONAL SERVICE DOOR
REVISED 08-12-04
SCALE: ⅜" = 1'-0"

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

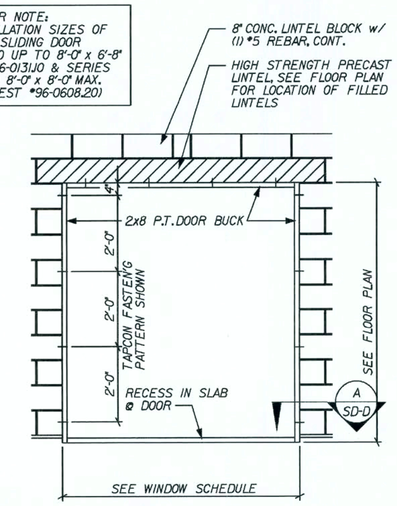


G GARAGE DOOR ELEVATION
SCALE: ⅜" = 1'-0"

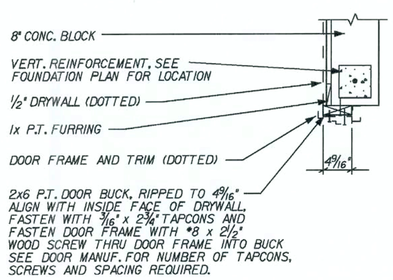


F STANDARD DOOR ELEVATION
SCALE: ⅜" = 1'-0"

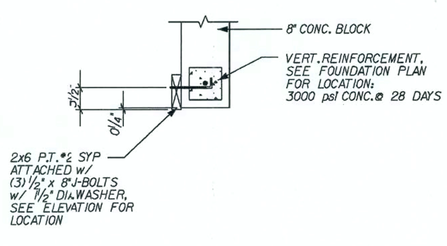
CONTRACTOR NOTE:
FOR INSTALLATION SIZES OF NORANDEX SLIDING DOOR SERIES 500 UP TO 8'-0" x 6'-8" AS PER #96-0131J0 & SERIES 502 UP TO 8'-0" x 8'-0" MAX. (AS PER TEST #96-0608.20)



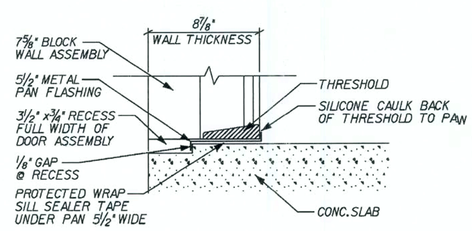
E SLIDING GLASS DOOR ELEVATION
SCALE: ⅜" = 1'-0"



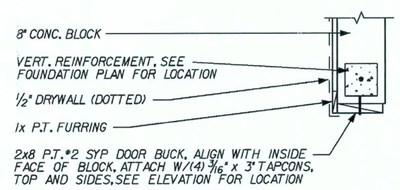
D 2x DOOR BUCK DETAIL
SCALE: ¾" = 1'-0"



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



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



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

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

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :
06-12-06 ADDED DOOR PAN DETAIL

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

DOORS STANDARD DETAILS
SUNBURY-NEWBERRY
GARAGE:
DRAWN BY:
RELEASE DATE: 10-08-04

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:
SD-D

PLOT DATE: 26 JUN 2007 14:41:45
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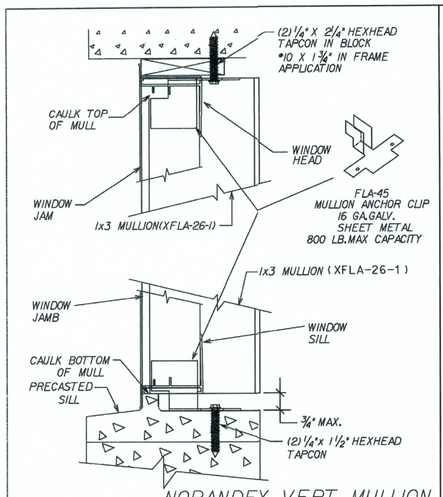
05

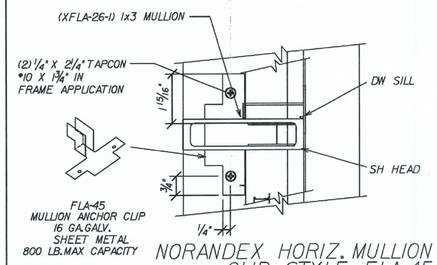


NORANDEX VERT. MULLION CLIP STYLE FLA-45

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

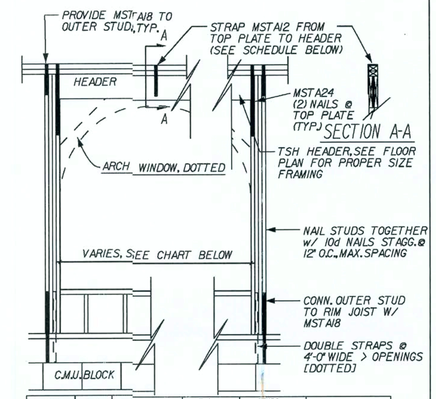
CONTRACTOR NOTE:
FOR INSTALLATION SIZES OF NORANDEX WINDOW SERIES 437/438 UP TO 53 1/8" x 76 3/8" AS PER TEST #96-0624.20

STANDARD WINDOW DETAILS IN BLOCK WALLS UP TO 10 FEET HIGH



NORANDEX HORIZ. MULLION CLIP STYLE FLA-45

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

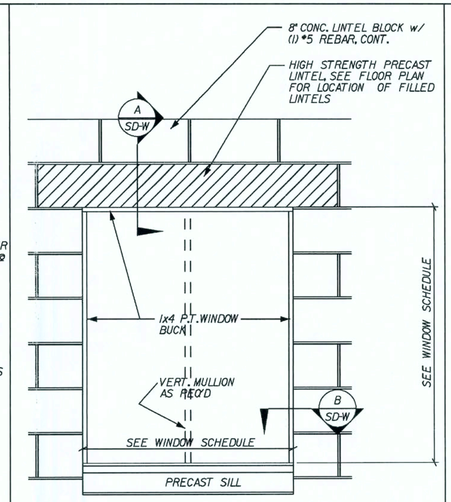


MAX. OPN'G SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10'-0" MAX.HGT.	MSTA 12
2'-3"	(1)	2x HEADER. SEE FLOOR PLAN FOR PROPER SIZE: FRAMING	1	2	N/A
3'-3"	(1)		1	2	(1) @ CEN.OF HDR.
6'-3"	(2)		2	3	(1) @ 2'-0" OFF EA.END OF HDR.

K TYP. HEADER DETAIL-2ND FLOOR FRAMING

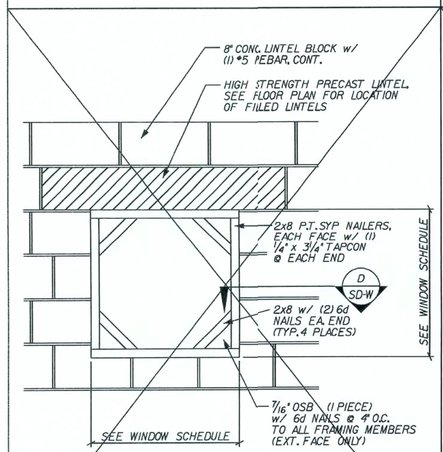
REVISED 06-06-07 : PER WALL PANELS

SCALE: N.T.S.



J WINDOW-STANDARD-BLK

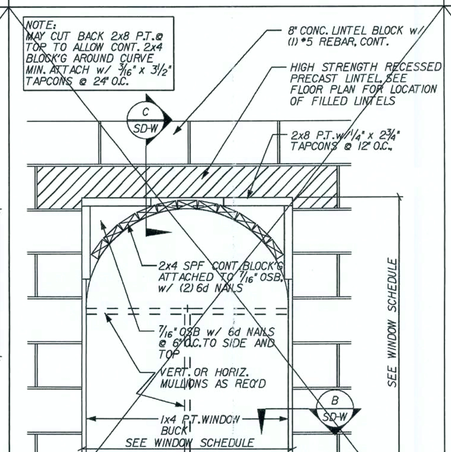
SCALE: 3/4" = 1'-0"



H WINDOW-OCTAGON-BLK

NOT USED

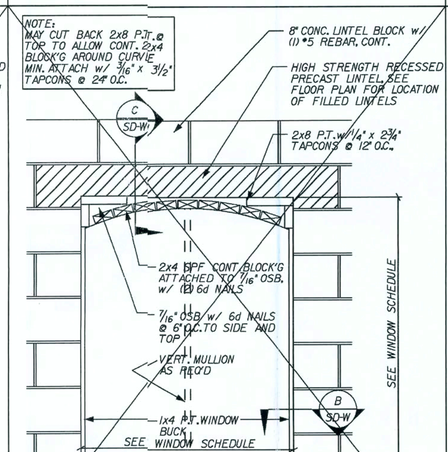
SCALE: 3/4" = 1'-0"



G WINDOW-1/2 ROUND TOP-BLK

NOT USED

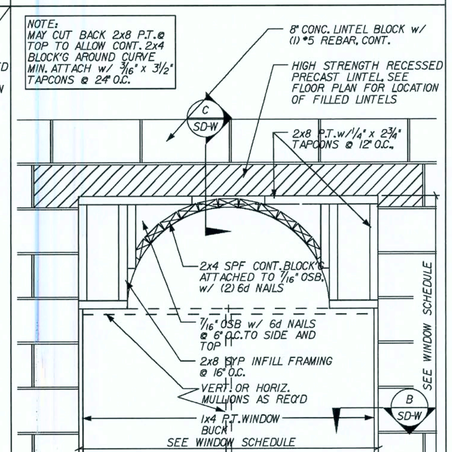
SCALE: 3/4" = 1'-0"



F WINDOW-EYEBROW-BLK

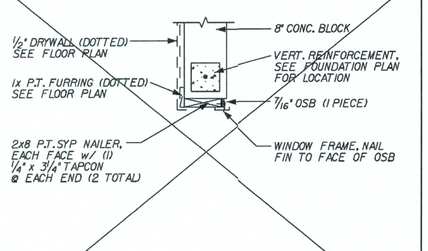
NOT USED

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



E WINDOW-COMBINATION-BLK

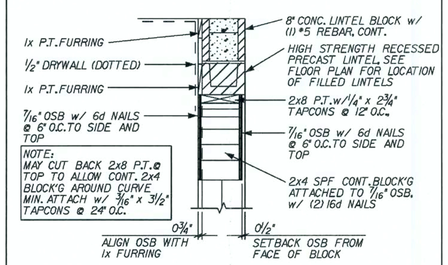
SCALE: 3/4" = 1'-0"



D WINDOW JAMB-OCTAGON-BLK

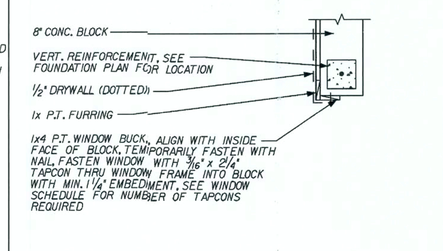
NOT USED

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



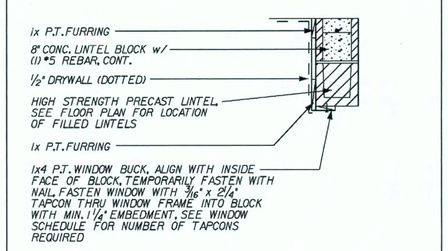
C WINDOW HEAD-ARCH WINDOW-BLK

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"

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :

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

05

p:\r\houses...\05\sunbury\dtls\std_windows.sdw

WINDOWS | STANDARD DETAILS

SUNBURY-NEWBERRY

GARAGE:

DRAWN BY:

RELEASE DATE: 10-08-04

14:41:46

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

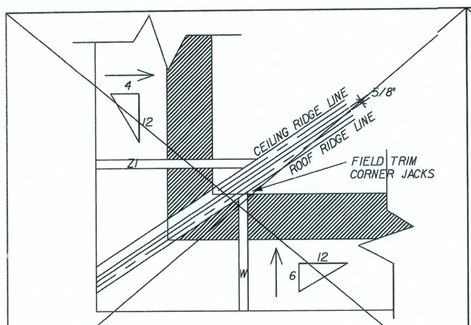
Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:

SD-W

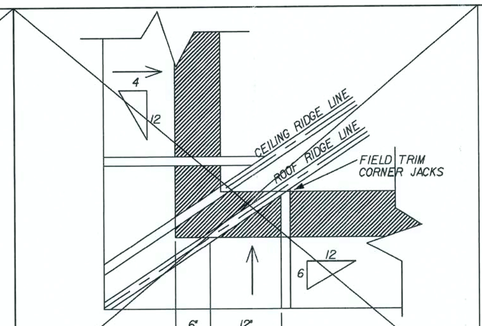
PLOT DATE: 26 JUN 2007



TRUSS PLACEMENT CORNER DETAIL B

NOT USED

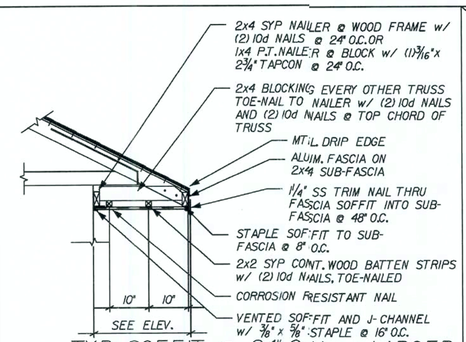
SCALE: N.T.S.



TRUSS PLACEMENT CORNER DETAIL A

NOT USED

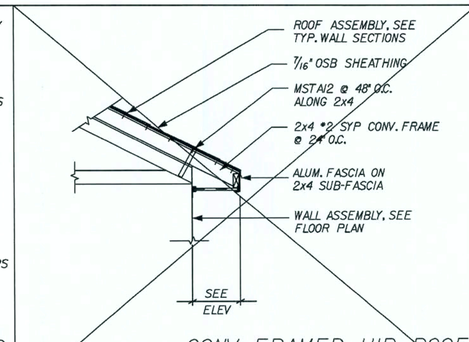
SCALE: N.T.S.



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

REVISED 01-11-05

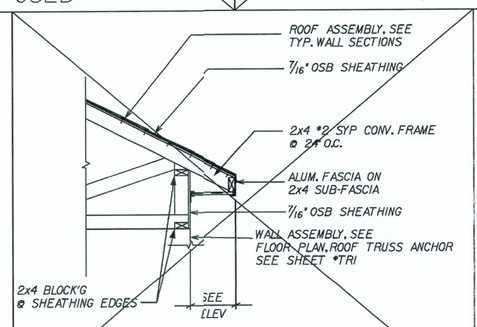
SCALE: 1/2" = 1'-0"



CONV. FRAMED HIP ROOF

NOT USED

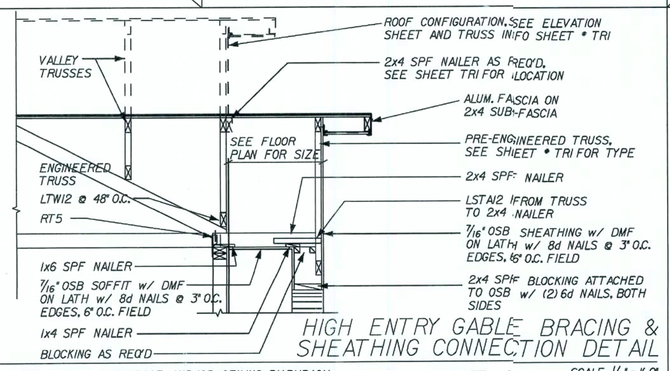
SCALE: 1/2" = 1'-0"



DETAIL @ RAISED HEEL

NOT USED

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

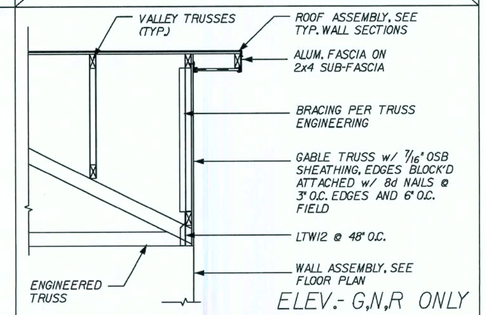


HIGH ENTRY GABLE BRACING & SHEATHING CONNECTION DETAIL

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

ELEV.- I,J,P,T ONLY

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

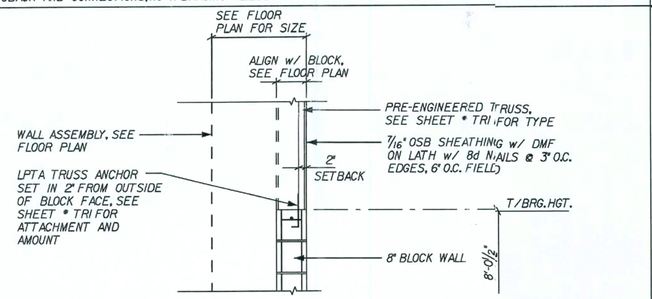


ELEV.- G,N,R ONLY

FALSE GABLE BRACING & SHEATHING CONNECTION DETAIL

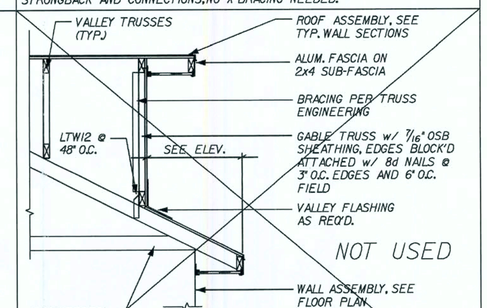
NOTE: GABLE BRACED BY ROOF AND/OR CEILING DIAPHRAGM STRONGBACK AND CONNECTIONS, NO X-BRACING NEEDED.

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



TRUSS / BLOCK CONNECTION DETAIL

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

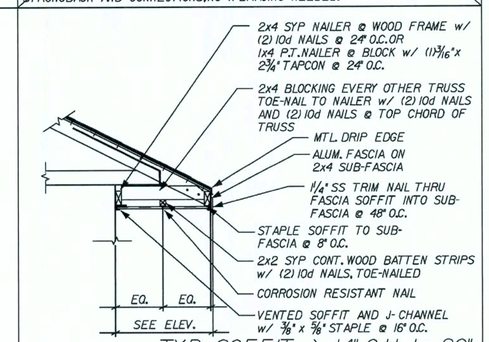


NOT USED

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"



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

REVISED 12-20-06

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

REVISIONS :

Maronda Homes

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

05

ROOF

STANDARD DETAILS

SUNBURY-NEWBERRY

GARAGE:

DRAWN BY:

RELEASE DATE: 10-08-04

14:41:47

PLOT DATE: 26 JUN 2007

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

Tomas Ponce P.E.
License No. 0050068

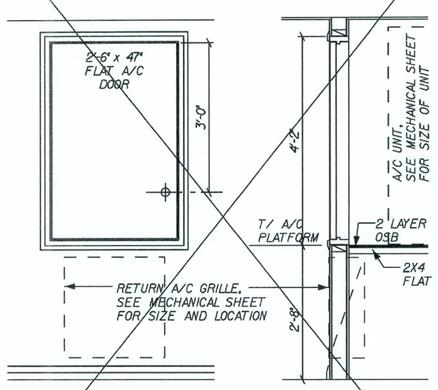
SEP 26 2007

SHEET:

SD-R

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

P:\Trusses_05\sunbury\dts\std_roof.sdr

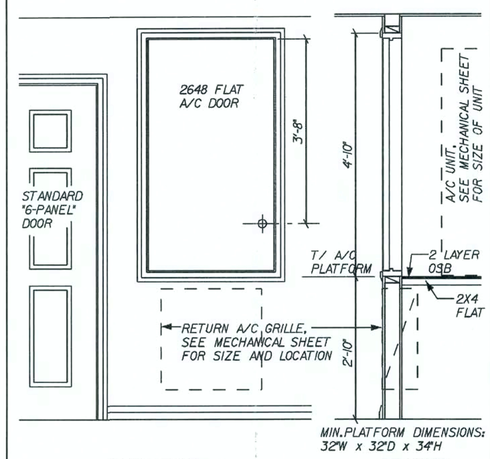


ELEVATION SECTION

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

NOT USED

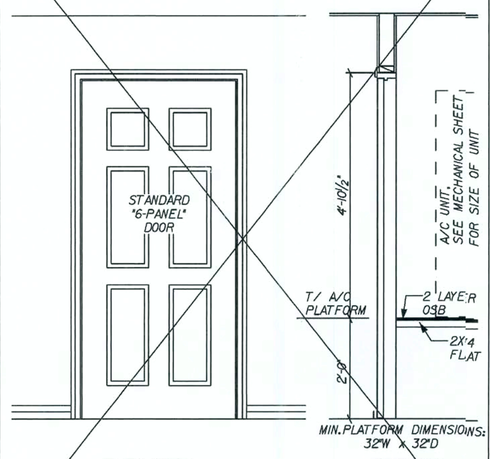
SCALE: 1/2" = 1'-0"



ELEVATION SECTION

ENCLOSED A/C PLATFORM

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

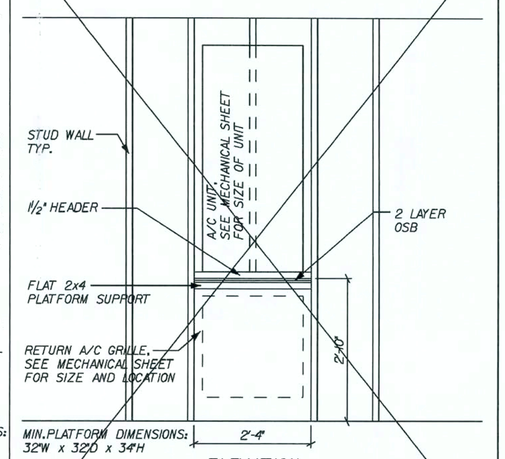


ELEVATION SECTION

FULL DOOR ENCLOSED A/C PLATFORM

NOT USED

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

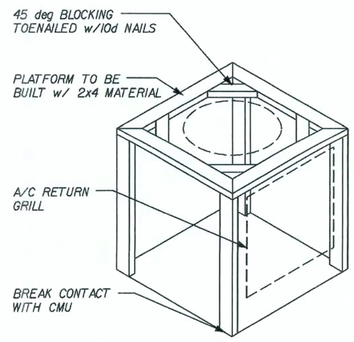


ELEVATION

OPEN A/C PLATFORM

NOT USED

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



A/C PLATFORM FRAMING

REVISED 01-24-05

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

REVISIONS :

Maronda Homes

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

STANDARD PLATFORM DETAILS

SUNBURY-NEWBERRY

AIR-HEAT DETAILS

DRAWN BY: GARAGE:

RELEASE DATE: 10-08-04

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:

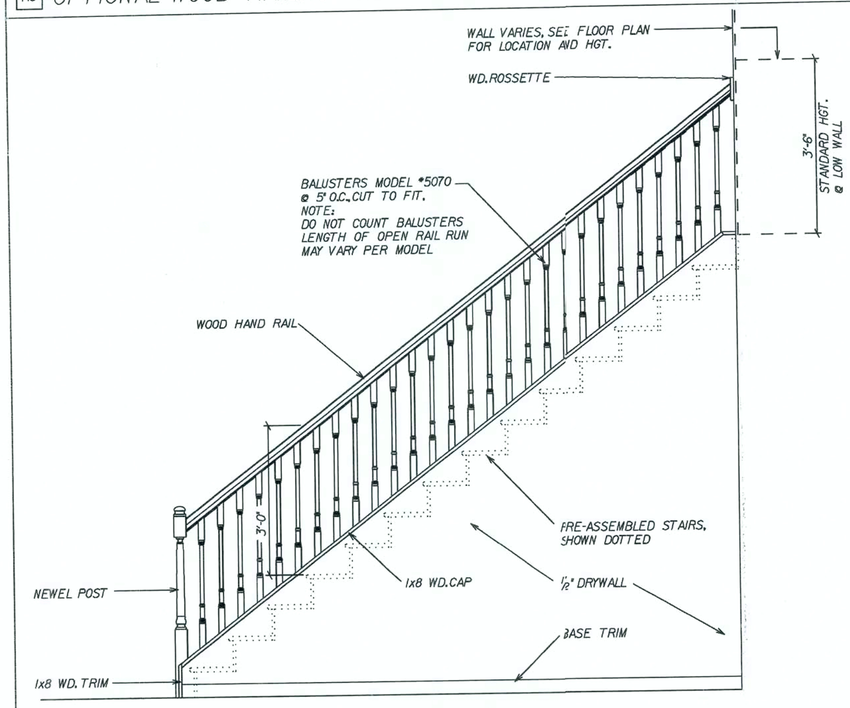
SD-H

05

PLOT DATE: 26 JUN 2007 14:41:48 p:\f1\houses_05\sunbury\dfls\std_heating.sdh

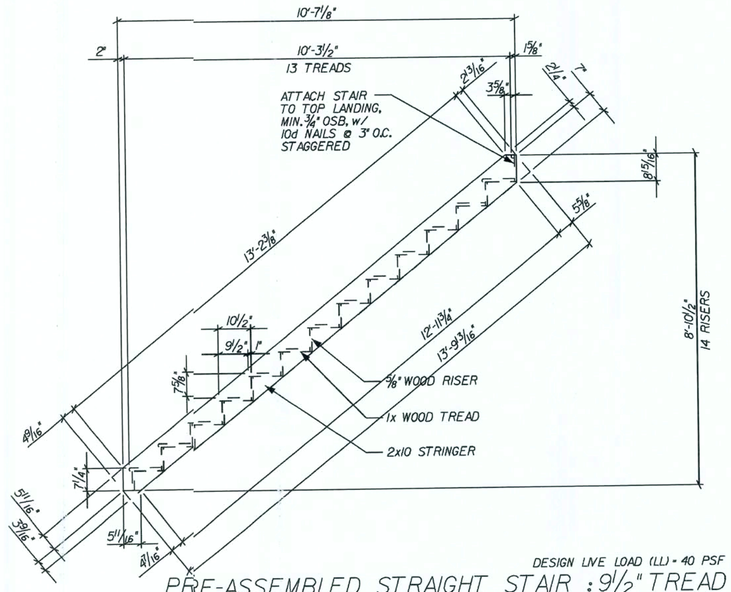
FLORIDA BUILDING CODE 2004 : RESIDENTIAL

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



OPEN RAIL STAIR ELEVATION

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

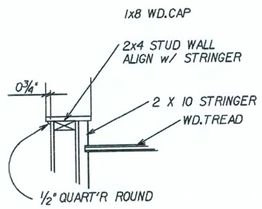


DESIGN LIVE LOAD (LL) = 40 PSF

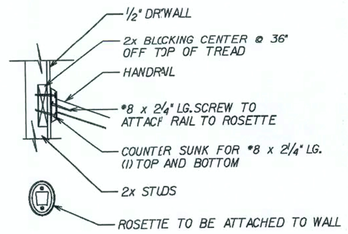
PRE-ASSEMBLED STRAIGHT STAIR : 9 1/2" TREAD

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

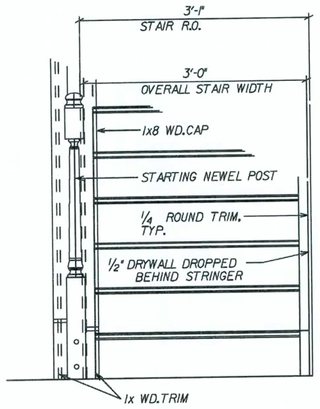
REVISED 08-24-06 NAILING ATTACHMENT

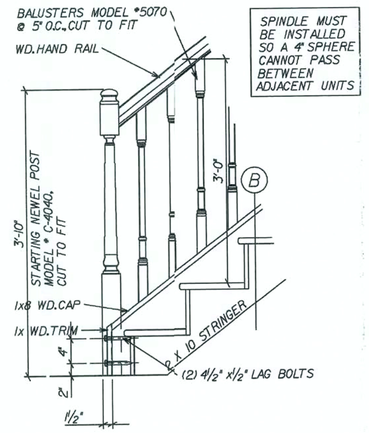


SECTION B



RAIL ATTACHMENT TO WALL

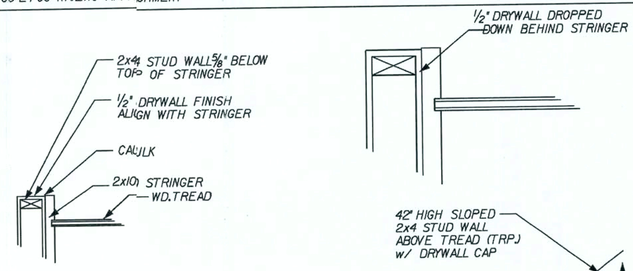




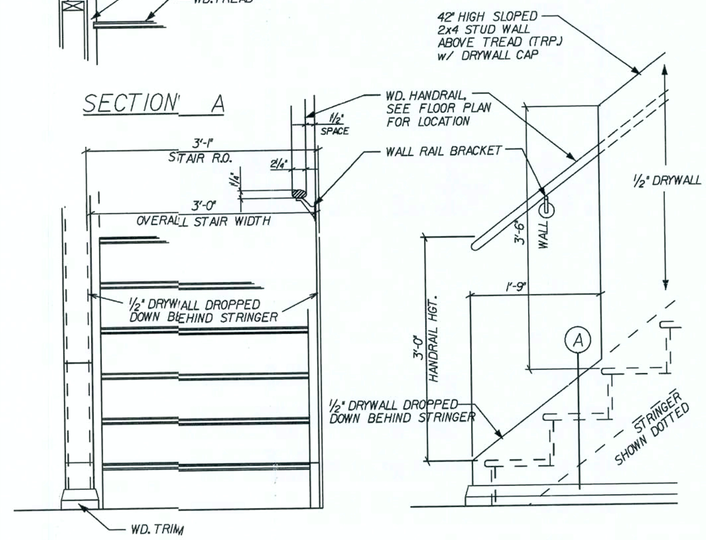
OPTIONAL OPEN RAIL STAIR DETAILS

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

REVISED 01-25-05



SECTION A



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

REVISED 04-23-06
HANDRAIL NOTE

STANDARD STAIR w/ 42" HIGH WALL

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

REVISIONS :

01-16-06 STD. STAIR DETAIL w/ 21" STEP

Maronda Homes

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

05

9 1/4" FRM'G 14 RISER : STRAIGHT

STAIR DETAILS

GARAGE:

DRAWN BY:

RELEASE DATE: 03 - 28 - 05

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

Tomas Ponce P.E.
License No. 0050068

SEP 26 2007

SHEET:

STR

PLOT DATE: 26 JUN 2007

14x4ix49

P:\PTVhouses_05\sunbury\dtls\V4r-06_50.str

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

DISTINCTION SERIES

SMC INSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

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

DISTINCTION SMC FIBERGLASS DOOR

DOOR LEAF CONSTRUCTION:

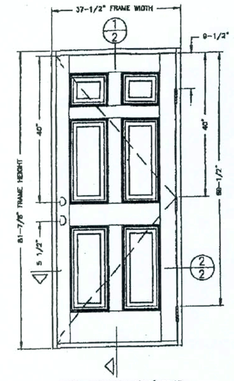
FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.080" THICK FIBERGLASS SKIN.

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

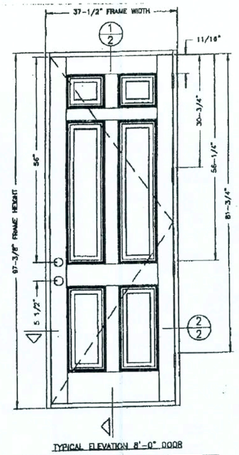
CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS.THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.

TABLE OF CONTENTS

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



TYPICAL ELEVATION 6'-8" DOOR



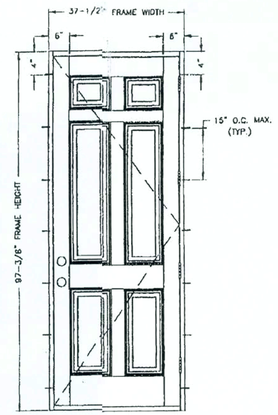
TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)

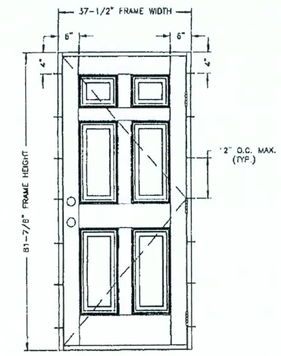
	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	NOT APPROVED	+80 PSF
NEGATIVE	NOT APPROVED	-80 PSF

DESIGN PRESSURE RATING (TABLE #2)

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



ANCHOR LAYOUT FOR 8'-0" DOOR

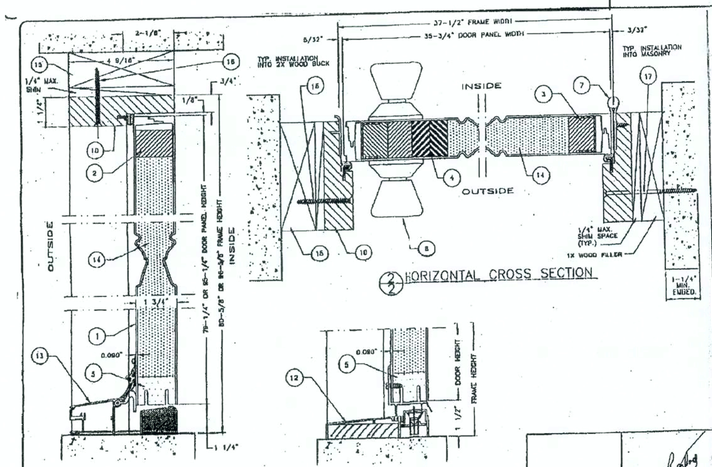


ANCHOR LAYOUT FOR 6'-8" DOOR

TYPICAL ANCHORS

1.) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE #8 PFH Wd. Screw, 1" MIN. EMBEDMENT

2.) INTO 1BY WOOD BUCKS OR INTO MASONRY 3/16" DIA. TAPCONS WITH 1-1/4" MIN. EMBEDMENT



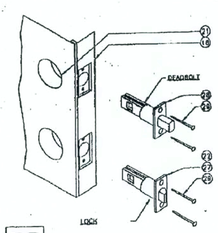
HORIZONTAL CROSS SECTION

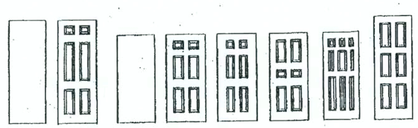
VERTICAL CROSS SECTION

OPTIONAL THRESHOLD

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

ITEM	DESCRIPTION	PART No.	MATERIAL
1	DOOR SKIN (6 PANEL 6'-8")	SKIN-01	SMC FIBERGLASS
	DOOR SKIN (6 PANEL 8'-0")	SKIN-02	SMC FIBERGLASS
2	EDGE RAIL (1'-8")	WCA-20	WOOD (MAHOGANY)
	EDGE RAIL (2'-0")	WCA-20	WOOD (MAHOGANY)
3	HINGE STILE	WCA-20	WOOD (MAHOGANY)
		IST-03	STEEL (SS 11)
4	LOCK STILE	WCA-20 (TWO PCS.)	WOOD (MAHOGANY)
		IST-03	STEEL (SS 11)
		WCA-20 (TWO PCS.)	WOOD (MAHOGANY)
5	BOTTOM RAIL	PVC-73	FOAM PVC EXTRUSION
		LOCK-01	PVC
		DK-250 (ENDURA)	PVC CO-EXTRUSION
6	DOOR BOTTOM (INSWING)	BENCHMARK ADJ. DOOR SWEEP	PVC CO-EXTRUSION
		DOOR SWEEP	ALUMINUM / PVC
7	BUTT HINGE	4 X 4	BRASS
8	LATCH LOCK	KWIKSET 400 SERIES	
9	DEAD BOLT	KWIKSET 400 SERIES	
10	DOOR FRAME	4-9/16 WOOD FRAME	FINGER JOINTED SHIPP PINE
12	THRESHOLD (INSWING)	DOR-300 (WEATHERSTRIP)	SCHLEGEL S-100
		6" X 1" DOORSTOP	ALUMINUM / WOOD
		DOR-300 (WEATHERSTRIP)	SCHLEGEL S-100
13	THRESHOLD (INSWING)	DOOR PAN	ALUMINUM / WOOD
		DOOR SWEEP	ALUMINUM / PVC
14	FOAM CORE		ALUMINUM / FOAM CORE
15	2X		WOOD BLOCK
16	ANCHOR	#8X2-1/2" PFH Wd. Screw	STEEL
17	KICKER	3/16" X 1" FH TAPCON	STEEL

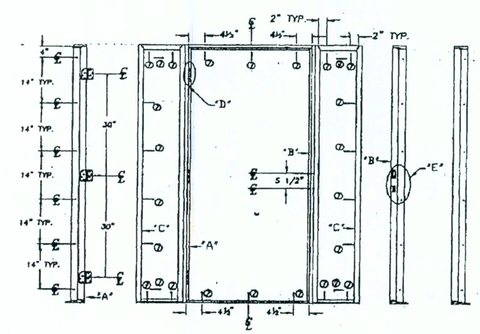




DOOR MODELS

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

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



Product Acceptance No: DSI-222

Size: up to 5'4 x 6'8 — Inswing (wood jamb) — Configuration: X, OXO, XO, OX

	2'0	2'4	2'6	2'8	3'0
Single Opaque	+80 -80	+80 -80	+80 -80	+80 -80	+80 -80
W/Sidelites				+60 -60	+60 -60
Single Glazed	+75 -80	+64 -77	+60 -71	+56 -67	+50 -60
W/Sidelites				+50 -60	+50 -60

(Door does not meet Missile Impact)

Test # 210-1987, 210-2024 — Mfg. by: Nan Ya Plastics / Plastpro — Livingston, NJ 07039

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

PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOORS
PART OF ASSEMBLY: PARTS LIST AND ELEVATIONS

NO	DATE	REVISIONS	BY

RW CONSULTING (813) 884-3831

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

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

PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOORS
PART OF ASSEMBLY: ANCHORING LAYOUT

NO	DATE	REVISIONS	BY

RW CONSULTING (813) 884-3831

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

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

PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOORS
PART OF ASSEMBLY: VERTICAL & HORIZONTAL

NO	DATE	REVISIONS	BY

RW CONSULTING (813) 884-3831

DATE: 01/06/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-01
SHEET 2 OF 4

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

PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOORS
PART OF ASSEMBLY: PARTS LIST

NO	DATE	REVISIONS	BY

RW CONSULTING (813) 884-3831

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

REVISIONS :

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

EXT. DOOR DETAILS
IN SWING-FIBERGLASS

RELEASE DATE:

02 JUN 2003 — 09:02:33 — p:\fb2000\fine brass\dsi2k-operation

SHEET:

FD I

DISTINCTION SERIES

SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

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

DISTINCTION SMC FIBERGLASS DOOR

DOOR LEAF CONSTRUCTION:

FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.090" THICK FIBERGLASS SKIN.

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

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

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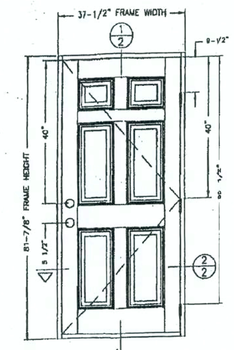
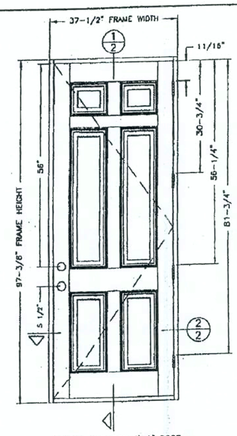
SHEET #	DESCRIPTION
1	GENERAL NOTES, TYPICAL ELEVATIONS
2	CROSS SECTIONS (VERTICAL AND HORIZONTAL)
3	ANCHORING LAYOUT
4	PART LIST



TYPICAL ELEVATION 6'-8" DOOR

DESIGN PRESSURE RATING (TABLE #1)	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+60 PSF	+80 PSF
NEGATIVE	-60 PSF	-80 PSF



TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #2)	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+60 PSF	+80 PSF
NEGATIVE	-60 PSF	-80 PSF

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

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR IN WOOD FRAME

PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS

NO. DATE REVISIONS BY

RW CONSULTING (813) 684-3831

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

DISTINCTION SERIES

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

GENERAL NOTES

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

DOOR LEAF CONSTRUCTION:

1. FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.075 THK. FIBERGLASS SKIN.
2. CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.
3. CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS. THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN, GLUED TO THE WOOD BUCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM
4. GLAZING: 5/8" OVERALL THICKNESS INSULATED GLASS PANEL CONSISTING OF: TWO 1/8" TEMPERED LITES AND ONE AIR SPACE.
5. REINFORCING: ONE (1) "U" SHAPED STEEL REINFORCING CHANNEL MEASURING 1.591"x0.748"x0.079" THK. WAS LOCATED AT EACH PANEL STILE. (8'-0" DOOR ONLY)

TABLE OF CONTENTS

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1	GENERAL NOTES, TYPICAL ELEVATIONS
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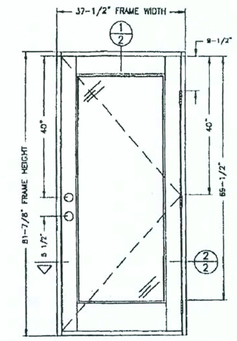
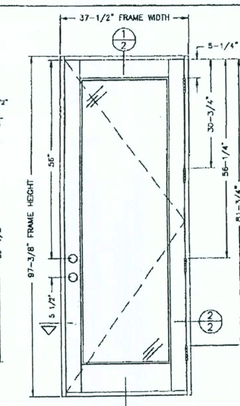


TYPICAL ELEVATION 6'-8" DOOR

DESIGN PRESSURE RATING (TABLE #1)	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+60 PSF	+80 PSF
NEGATIVE	-60 PSF	-80 PSF



TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #2)	WHERE WATER INFILTRATION REQUIREMENT IS NEEDED	WHERE WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+80 PSF	+70 PSF
NEGATIVE	-70 PSF	-70 PSF

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

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR IN WOOD FRAME

PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS

NO. DATE REVISIONS BY

RW CONSULTING (813) 684-3831

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

REVISIONS :

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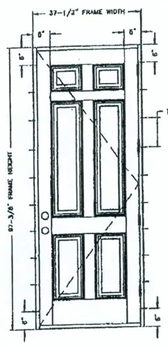
Maronda Homes

(4017) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA

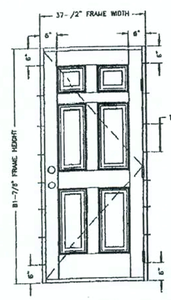
EXT. DOOR DETAILS

OUT SWING-FIBERGLASS

RELEASE DATE:



ANCHOR LAYOUT FOR 6'-0" DOOR



ANCHOR LAYOUT FOR 8'-0" DOOR

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

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

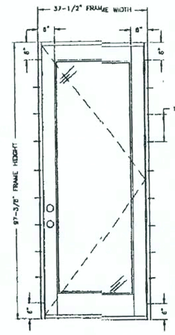
PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR IN WOOD FRAME

PART OR ASSEMBLY: ANCHORING LAYOUT

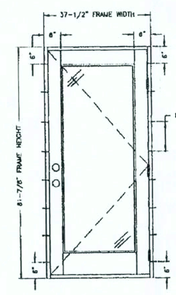
NO. DATE REVISIONS BY

RW CONSULTING (813) 684-3831

DATE: 01/06/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-02
SHEET 3 OF 4



ANCHOR LAYOUT FOR 6'-0" DOOR



ANCHOR LAYOUT FOR 8'-0" DOOR

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

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

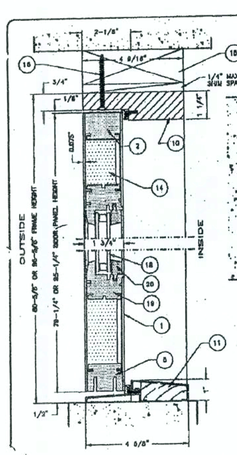
PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR IN WOOD FRAME

PART OR ASSEMBLY: ANCHORING LAYOUT

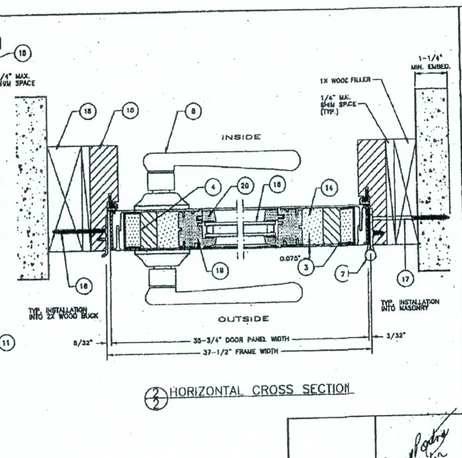
NO. DATE REVISIONS BY

RW CONSULTING (813) 684-3831

DATE: 02/09/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-05
SHEET 3 OF 4



1/2 VERTICAL CROSS SECTION



1/2 HORIZONTAL CROSS SECTION

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

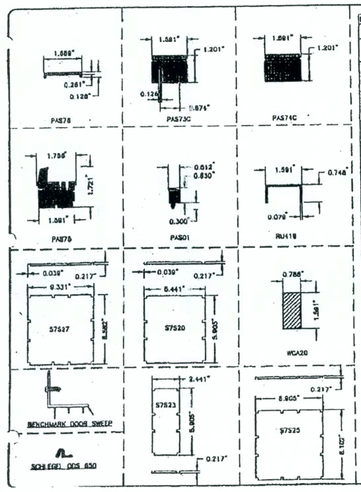
PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR IN WOOD FRAME

PART OR ASSEMBLY: VERTICAL & HORIZONTAL CROSS SECTIONS

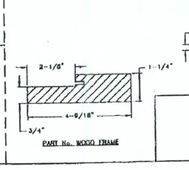
NO. DATE REVISIONS BY

RW CONSULTING (813) 684-3831

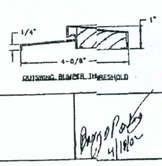
DATE: 02/09/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-03
SHEET 2 OF 4



ITEM	DESCRIPTION	PART No.	MATERIAL
1	DOOR SKIN (6 PANEL 6'-8")	SMC 675	SMC 075" THK FIBERGLASS
	DOOR SKIN (8 PANEL 8'-0")	SMC 675	SMC 075" THK FIBERGLASS
2	TOP RAIL	PAS73C	PVC FOAM
		S7523	STEEL
		S7525	STEEL
3	HINGE STILE	S7520	STEEL
		PAS74C	PVC FOAM
		S7527	STEEL
4	LOCK STILE	PAS75 (6'-8" ONLY)	WOOD (MAHOGANY)
		PAS78 (8'-0" ONLY)	WOOD (MAHOGANY)
		RU 418 (8'-0" ONLY)	STEEL (SS 412)
5	BOTTOM RAIL	PAS01 (EXPANSION)	PVC FOAM
		PAS78 (6'-8" ONLY)	WOOD (MAHOGANY)
		PAS75 (8'-0" ONLY)	WOOD (MAHOGANY)
		RU 418 (8'-0" ONLY)	STEEL (SS 412)
		S7523 (EXPANSION)	STEEL
		S7525 (DOOR SKIN)	STEEL
6	DOOR BOTTOM (INSWING)	PAS01 (EXPANSION)	PVC FOAM
		PAS73C (BOTTOM RAIL)	PVC CO-EXTRUSION
		DP 430 (TEMPLATE)	PVC CO-EXTRUSION
		BENCHMARK ADJ.	
		DOOR SWEEP	ALUMINUM / VINYL
		DOOR SWEEP	BRASS
7	BUTT HINGE	[illegible]	
8	LATCH LOCK	CWI501 600 SERIES	
9	DEAD BOLT	CWI511 600 SERIES	
10	DOOR FRAME	SCH 7/8" MAX. FRAME	WOOD
		DDS 850 WEATHERSTRIP	SCHLEGEL D-LON
		DDS 850 WEATHERSTRIP	ALUMINUM / WOOD
		OUTSWING BUMPER	ALUMINUM / WOOD
11	THRESHOLD (OUTSWING)	DDS 850 WEATHERSTRIP	SCHLEGEL D-LON
		DDS 850 WEATHERSTRIP	SCHLEGEL D-LON
12	FOAM CORE		POLYURETHANE FOAM CORE
13	PIN		WOOD BLOCK
14	SCREW	#8 X 2-1/2" PAN SMS	STEEL
15	ANCHOR	3/16" DIA. TAPCON	STEEL
16	5/8" SEALED GLASS CONSISTING OF: (2) LITES OF 1/8"		TEMP. GLASS + AIR SPACE
17	STRIKE FRAME	PAS74	PVC FOAM
18	STRIKE BEAD	PAS01	PVC FOAM



PART No. WOOD FRAME



OUTSWING BUMPER THRESHOLD

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

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR IN WOOD FRAME

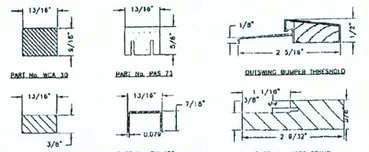
PART OR ASSEMBLY: PARTS LIST

NO. DATE REVISIONS BY

RW CONSULTING (813) 684-3831

DATE: 02/09/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-05
SHEET 4 OF 4

ITEM	DESCRIPTION	PART No.	MATERIAL
1	DOOR SKIN (6 PANEL 6'-8")	SMC 675	SMC 075" THK FIBERGLASS
	DOOR SKIN (8 PANEL 8'-0")	SMC 675	SMC 075" THK FIBERGLASS
2	TOP RAIL (6'-8")	WCA 20	WOOD (MAHOGANY)
	TOP RAIL (8'-0")	WCA 20	WOOD (MAHOGANY)
3	HINGE STILE	WCA 20	WOOD (MAHOGANY)
		RU 422	STEEL (SS 412)
4	LOCK STILE	WCA 20 (TWO PCS)	WOOD (MAHOGANY)
		RU 422	STEEL (SS 412)
5	BOTTOM RAIL	WCA 20 (TWO PCS)	WOOD (MAHOGANY)
		PAS 73	FOAM PVC EXTRUSION
6	DOOR BOTTOM	WAS 01	PVC
7	BUTT HINGE	4" x 4"	BRASS
8	LATCH LOCK	SCHLEGEL 200 SERIES	
9	DEAD BOLT	SCHLEGEL 600 SERIES	
10	DOOR FRAME	6-5/16" MAX. FRAME	WOOD
		DDS 850 WEATHERSTRIP	SCHLEGEL D-LON
11	THRESHOLD (OUTSWING)	OUTSWING BUMPER	ALUMINUM / WOOD
		DDS 850 WEATHERSTRIP	SCHLEGEL D-LON
12	FOAM CORE		POLYURETHANE FOAM CORE
13	PIN		WOOD BLOCK
14	SCREW	#8 X 2-1/2" PAN SMS	STEEL
15	ANCHOR	3/16" DIA. TAPCON	STEEL
16	5/8" SEALED GLASS CONSISTING OF: (2) LITES OF 1/8"		TEMP. GLASS + AIR SPACE
17	STRIKE FRAME	PAS74	PVC FOAM
18	STRIKE BEAD	PAS01	PVC FOAM



PART No. WCA 30 — PART No. PAS 73 — OUTSWING BUMPER THRESHOLD

PART No. WCA 20 — PART No. RU 422 — PART No. WOOD FRAME

PART No. SCHLEGEL DDS 850

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

PRODUCT: DISTINCTION SERIES SMC OUTSWING FIBERGLASS DOOR IN WOOD FRAME

PART OR ASSEMBLY: PARTS LIST

NO. DATE REVISIONS BY

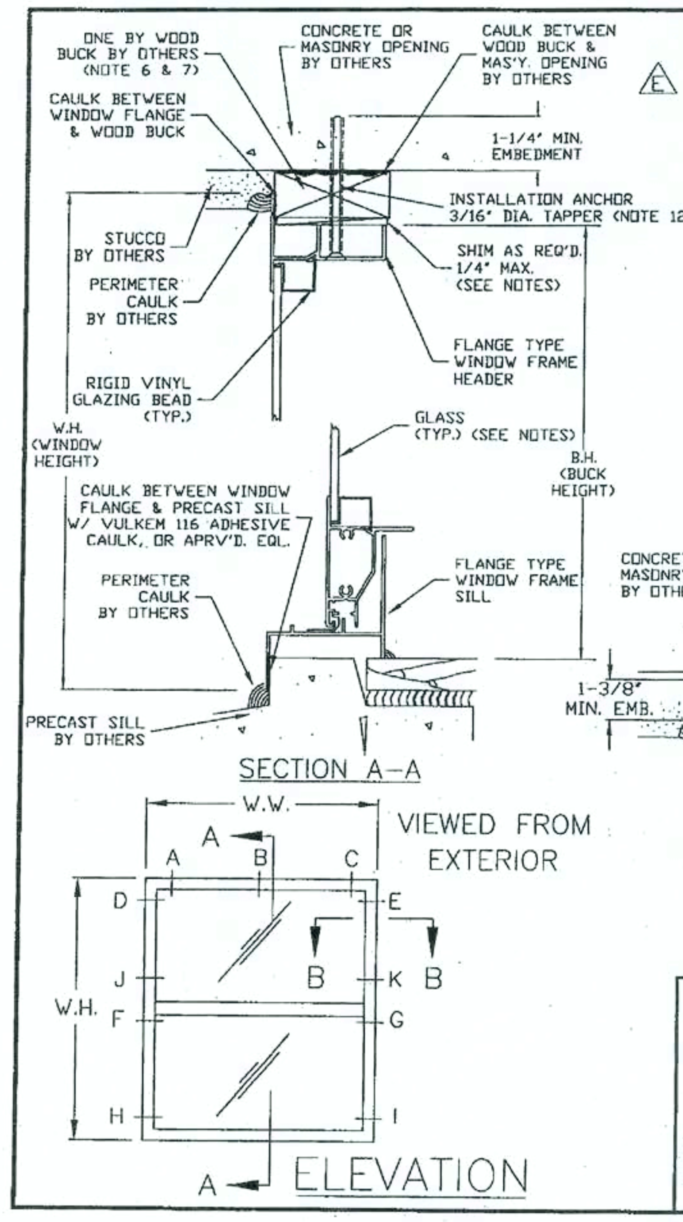
RW CONSULTING (813) 684-3831

DATE: 01/08/99
SCALE: N.T.S.
DWG. BY: R.P.P.
CHK. BY:
DRAWING NO.: 99-02
SHEET 4 OF 4

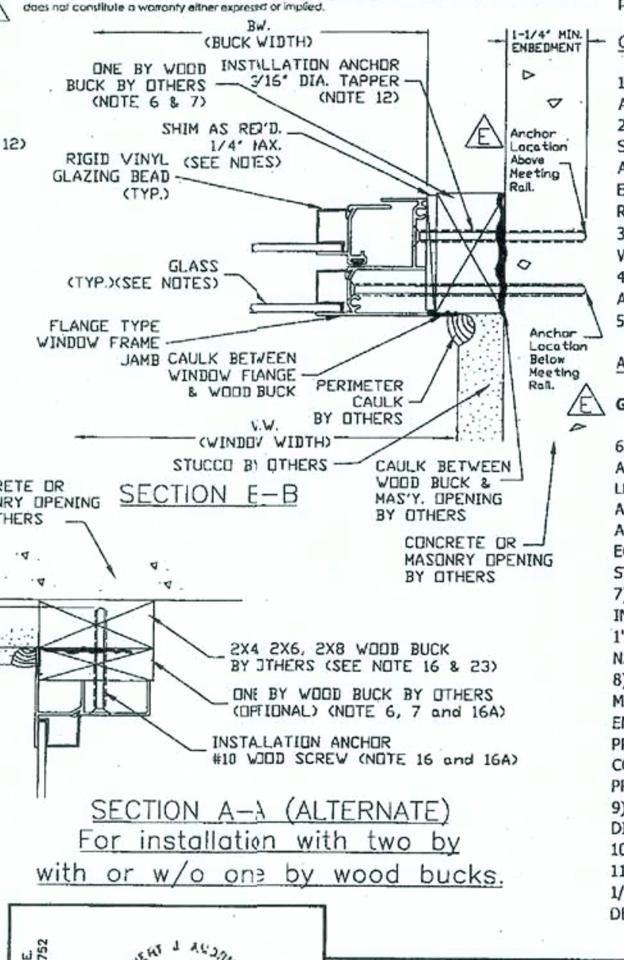
SHEET:

FD 2

03 JUN 2003 0843355 2x7 bc2/04/ofhe bucks/8/24-corner/adam



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



IMPORTANT INFORMATION & GENERAL NOTES

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

GENERAL INSTALLATION INSTRUCTIONS

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

ANCHOR INSTALLATION INSTRUCTIONS

GENERAL:

6) NAIL ATTACHMENT OF NON-STRUCTURAL ONE BY BUCK IS 4" FROM EACH CORNER AND 8" ON CENTER. USE A HARDENED "T-NAIL" WITH A 0.097" DIAMETER AND 1 3/8" LENGTH (5/8" EMBEDMENT), A HARDENED "MASONRY NAIL" WITH A 0.148" DIAMETER AND 1 1/2" LENGTH (3/4" EMBEDMENT) OR EQUIVALENT. FOR ALTERNATE SECTION A-A/B-B, USE A 0.113" DIAMETER COMMON WIRE NAIL WITH A 3/4" EMBEDMENT OR EQUIVALENT FOR NAILING NON-STRUCTURAL ONE BY BUCK INTO A TWO BY STRUCTURAL BUCK.
7) APPLIES TO ALL NON-STRUCTURAL BUCKS LESS THAN 1 1/2" THICKNESS. NOT INTENDED TO LIMIT TO NOMINAL ONE BY WOOD BUCK ONLY. BUCKS GREATER THAN 1" NOMIMAL (3/4" THICK) AND LESS THAN 2" NOMINAL (1 1/2" THICK) WILL REQUIRE NAIL LENGTH SUFFICIENT TO MEET EMBEDMENT REQUIREMENTS OF NOTE 6.
8) ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPLIED SUITABLE FOR THE ENVIRONMENT AND/OR FRAMING MATERIAL. WHERE ANCHORS ARE USED IN PRESSURE-PRESERVATIVE TREATED WOOD, THE WOOD SUPPLIER SHALL BE CONSULTED FOR RECOMMENDATION OF ANCHORS COMPATIBLE WITH THE PRESSURE-PRESERVATIVE TREATMENT PROCESS USED.
9) ALL FIELD SUPPLIED HOLES IN THE FRAME (IF REQUIRED) WILL BE 3/16" IN DIAMETER.
10) WOOD SCREWS SHALL MEET ANSI B18.6.1 DIMENSIONAL REQUIREMENTS.
11) IF WOOD TENDS TO SPLIT, PRE-BORE HOLES AS FOLLOWS: #8 WOOD SCREW - 1/8" DIA. PILOT HOLE & #10 WOOD SCREW - 9/64" DIA. PILOT HOLE (NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION).

[SEE SHEET 2 FOR CONTINUATION OF NOTES]

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

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

FLORIDA EXTRUDERS INTERNATIONAL, INC.
2540 JEWETT LANE
SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL
SGL. HUNG FLANGE WINDOWS - SERIES 1000, 1500 & 2000
DRAWN BY: BB
APPROVED BY: RJA
DATE: 7/29/04
SCALE: NTS
DWG.: FLEX0016, SHT 1 OF 2

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

TAPPER LOCATION CHART

* 37 SIZE NOT AVAILABLE IN 1000 OR 1500 SERIES.

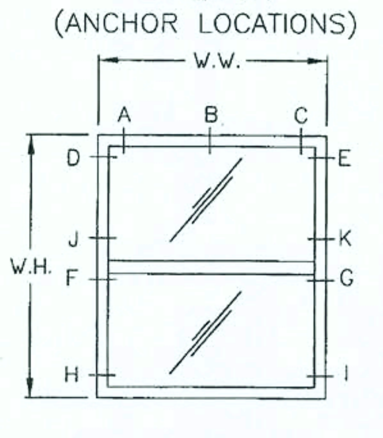
IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

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

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

VIEWED FROM EXTERIOR (ANCHOR LOCATIONS)



ELEVATION

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

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

DESIGN PRESSURE RATING & FBC REQUIREMENTS

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

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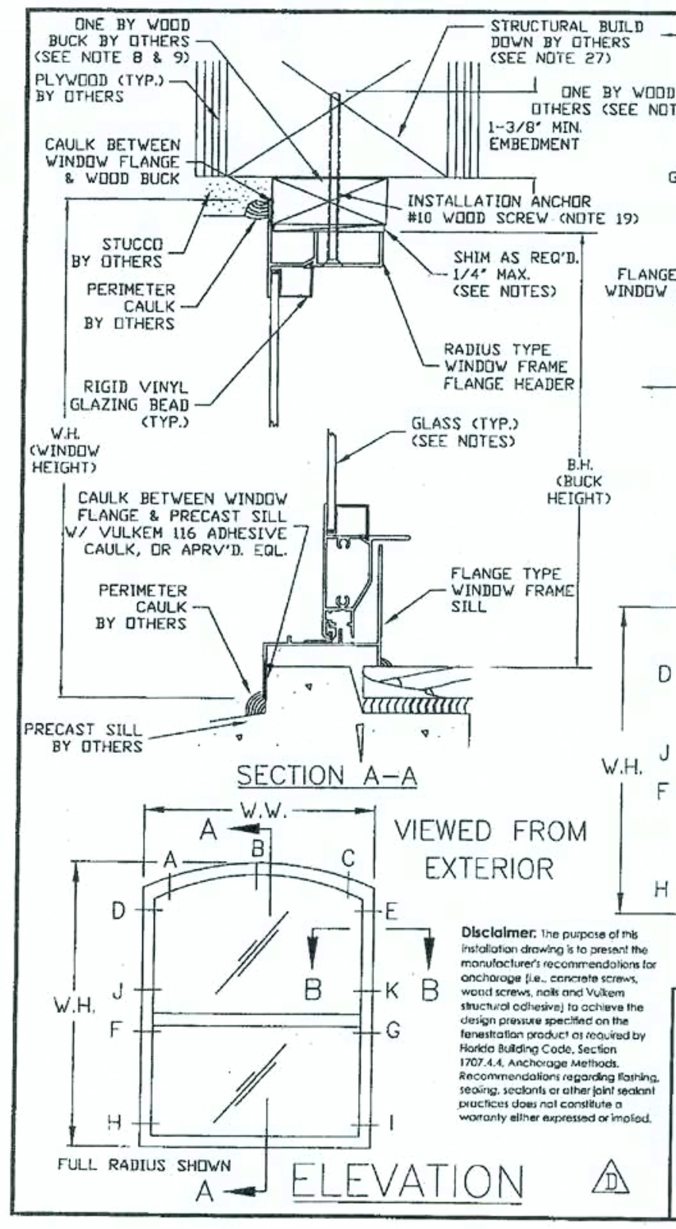
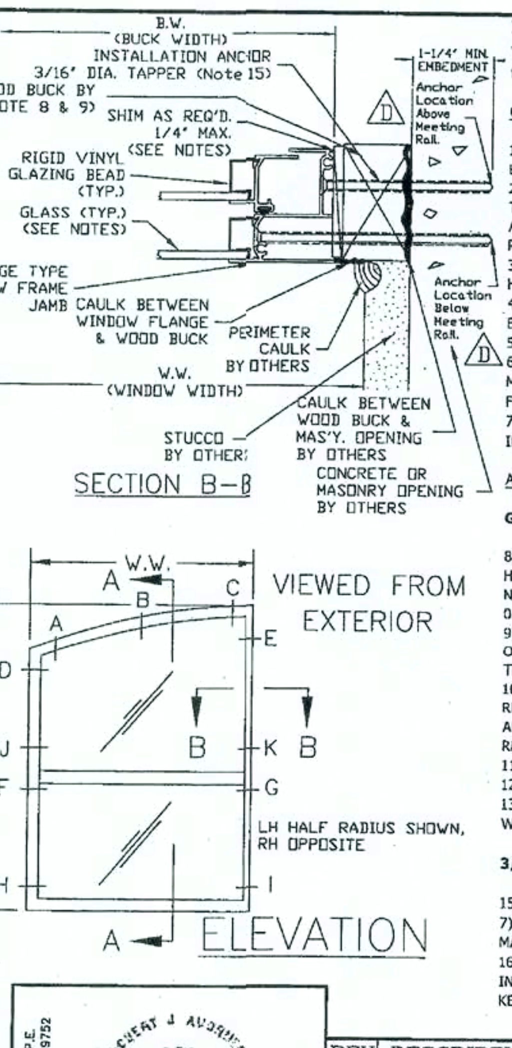
E
FLORIDA EXTRUDERS INTERNATIONAL, INC.
2540 JEWETT LANE
SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL
SGL. HUNG FLANGE WINDOWS - SERIES 1000 , 1500 & 2000
DRAWN BY: RJA
APPROVED BY: RJA
DATE: 7/29/04
SCALE: NTS
DWG.: FLEX0016, SHT 2 OF 2



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



IMPORTANT INFORMATION & GENERAL NOTES

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

GENERAL INSTALLATION INSTRUCTIONS

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

ANCHOR INSTALLATION INSTRUCTIONS

GENERAL:

8) NAIL ATTACHMENT OF NON-STRUCTURAL ONE BY BUCK IS 4" FROM EACH CORNER AND 8" ON CENTER. USE A HARDENED "T-NAIL" WITH A 0.097" DIAMETER AND 1 3/8" LENGTH (5/8" EMBEDMENT), A HARDENED "MASONRY NAIL" WITH A 0.148" DIAMETER AND 1 1/2" LENGTH (3/4" EMBEDMENT) OR EQUIVALENT FOR THE JAMBS. USE A 0.113" DIAMETER COMMON WIRE NAIL WITH A 3/4" EMBEDMENT OR EQUIVALENT FOR THE HEAD.
9) APPLIES TO ALL NON-STRUCTURAL BUCKS LESS THAN 1 1/2" THICKNESS. NOT INTENDED TO LIMIT TO NOMINAL ONE BY WOOD BUCK ONLY. BUCKS GREATER THAN 1" NOMIMAL (3/4" THICK) AND LESS THAN 2" NOMINAL (1 1/2" THICK) WILL REQUIRE NAIL LENGTH SUFFICIENT TO MEET EMBEDMENT REQUIREMENTS OF NOTE 8.
10) ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPLIED SUITABLE FOR THE ENVIRONMENT AND/OR FRAMING MATERIAL. WHERE ANCHORS ARE USED IN PRESSURE-PRESERVATIVE TREATED WOOD, THE WOOD SUPPLIER SHALL BE CONSULTED FOR RECOMMENDATION OF ANCHORS COMPATIBLE WITH THE PRESSURE-PRESERVATIVE TREATMENT PROCESS USED.
11) ALL FIELD SUPPLIED HOLES IN THE FRAME (IF REQUIRED) WILL BE 3/16" IN DIAMETER.
12) WOOD SCREWS SHALL MEET ANSI B18.6.1 DIMENSIONAL REQUIREMENTS.
13) IF WOOD TENDS TO SPLIT, PRE-BORE HOLES AS FOLLOWS: #8 WOOD SCREW - 1/8" DIA. PILOT HOLE & #10 WOOD SCREW - 9/64" DIA. PILOT HOLE (NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION).

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

15) WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A NON-STRUCTURAL ONE BY WOOD BUCK (NOTE 7), USE A 3/16" DIA. TAPPER CONCRETE SCREW OF SUFFICIENT LTH. TO ACHIEVE MIN. EMBEDMENT OF 1-1/4" INTO MASONRY OR CONCRETE.
16) SEE SHEET 2 FOR INSTALLATION ANCHOR LOCATION CHART. LETTER DESIGNATIONS ON THE LOCATION CHART INDICATE WHERE TAPPER CONCRETE SCREWS ARE TO BE INSTALLED WHEN USING THE EXTERIOR ELEVATION AS A KEY.

[SEE SHEET 2 FOR CONTINUATION OF NOTES]

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

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

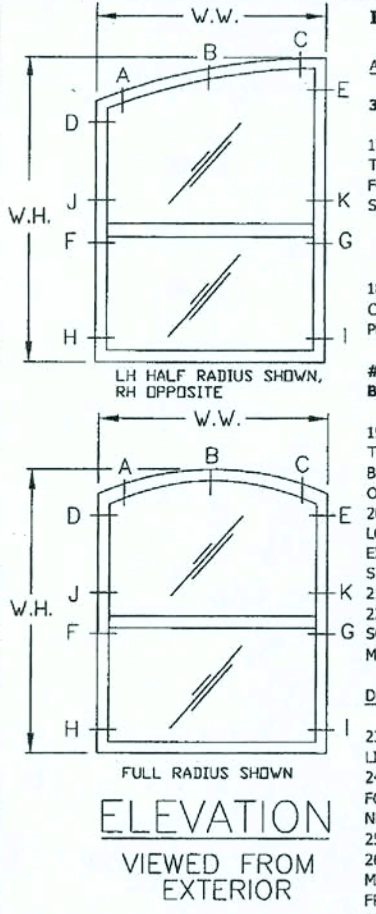
FLORIDA EXTRUDERS INTERNATIONAL, INC.
2540 JEWETT LANE
SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL SINGLE HUNG RADIUS HEAD
FLANGE W/FRAME BUILD DOWN - SERIES 1000 , 1500 & 2000
DRAWN BY: JBH
APPROVED BY: RJA
DATE: 7/29/04
SCALE: NTS
DWG.: FLEX0040 SHEET 1 OF 2

ANCHOR LOCATION CHART (SEE NOTES BELOW)

CALL SIZE	BUCK SIZE	LOCATIONS IN HEAD (see note 1 below) 30PSF TO 40PSF	LOCATIONS IN HEAD (see note 1 below) 41PSF TO 70PSF	LOCATIONS IN JAMB (see notes 2 & 3 below) 30PSF TO 40PSF	LOCATIONS IN JAMB (see notes 2 & 3 below) 41PSF TO 70PSF
12	18 1/8 X 27 5/16	A,C	A,C	F,G	F,G
13	18 1/8 X 39 11/16	A,C	A,C	F,G	F,G
14	18 1/8 X 51 15/16	A,C	A,C	F,G	F,G
145	18 1/8 X 57 19/32	A,C	A,C	F,G	F,G (a)
15	18 1/8 X 64 5/16	A,C	A,C	F,G	F,G (a)
16	18 1/8 X 73 5/16	A,C	A,C	F,G (a)	F,G,H,I
1H2	25 1/2 X 28 9/16	A,C	A,C	F,G	F,G
1H3	25 1/2 X 40 15/16	A,C	A,C	F,G	F,G
1H4	25 1/2 X 53 3/16	A,C	A,C	F,G	F,G,H,I
1H45	25 1/2 X 58 13/16	A,C	A,C	F,G	F,G,H,I
1H5	25 1/2 X 65 9/16	A,C	A,C	F,G	F,G,H,I
1H6	25 1/2 X 74 9/16	A,C	A,C	F,G	F,G,H,I
30 1/2 X 30 7/32	29 1/2 X 29 7/32	A,C	A,C	F,G	F,G
30 1/2 X 42 19/32	29 1/2 X 41 19/32	A,C	A,C	F,G	F,G
30 1/2 X 54 27/32	29 1/2 X 53 27/32	A,C	A,C	F,G	F,G,H,I
30 1/2 X 60 15/32	29 1/2 X 59 15/32	A,C	A,C	F,G	F,G,H,I
30 1/2 X 67 7/32	29 1/2 X 66 7/32	A,C	A,C	F,G (a)	F,G,H,I
30 1/2 X 76 7/32	29 1/2 X 75 7/32	A,C	A,C	F,G,H,I	F,G,H,I (b)
22	36 x 30 5/16	A,B,C	A,B,C	F,G	F,G
23	36 x 42 11/16	A,B,C	A,B,C	F,G	F,G (a)
24	36 x 54 15/16	A,B,C	A,B,C	F,G	F,G,H,I
245	36 x 60 9/16	A,B,C	A,B,C	F,G (a)	F,G,H,I
25	36 x 67 5/16	A,B,C	A,B,C	F,G,H,I	F,G,H,I (b)
26	36 x 76 5/16	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
42 x 32 5/32	41 x 31 5/32	A,B,C	A,B,C	F,G	F,G
42 x 44 17/32	41 x 43 17/32	A,B,C	A,B,C	F,G	F,G,H,I
42 x 56 25/32	41 x 55 25/32	A,B,C	A,B,C	F,G	F,G,H,I
42 x 62 3/8	41 x 61 3/8	A,B,C	A,B,C	F,G,H,I	F,G,H,I
42 x 69 5/32	41 x 68 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
42 x 78 5/32	41 x 77 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
48 x 33 5/32	47 x 32 5/32	A,B,C	A,B,C	F,G	F,G
48 x 45 17/32	47 x 44 17/32	A,B,C	A,B,C	F,G	F,G,H,I
48 x 57 25/32	47 x 56 25/32	A,B,C	A,B,C	F,G (a)	F,G,H,I
48 x 63 3/8	47 x 62 3/8	A,B,C	A,B,C	F,G,H,I	F,G,H,I (b)
48 x 70 5/32	47 x 69 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
48 x 79 5/32	47 x 78 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I (c)
32	52 1/8 X 33	A,B,C	A,B,C	F,G	F,G
33	52 1/8 X 45 3/8	A,B,C	A,B,C	F,G	F,G,H,I
34	52 1/8 X 57 5/8	A,B,C	A,B,C	F,G,H,I	F,G,H,I
345	52 1/8 X 63 1/4	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
35	52 1/8 X 70	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
36	52 1/8 X 79	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I (c)

ANCHOR LOCATION CHART NOTES:

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



ELEVATION

VIEWED FROM EXTERIOR

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

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

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

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

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

DESIGN PRESSURE RATING & FBC REQUIREMENTS

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

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FLORIDA EXTRUDERS INTERNATIONAL, INC.
2540 JEWETT LANE
SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL SINGLE HUNG RADIUS HEAD
FLANGE W/FRAME BUILD DOWN - SERIES 1000 , 1500 & 2000
DRAWN BY: RJA
APPROVED BY: RJA
DATE: 7/29/04
SCALE: NTS
DWG.: FLEX0040 SHEET 2 OF 2

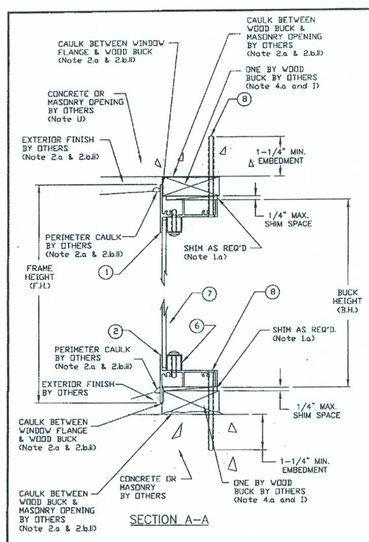
REVISIONS :

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

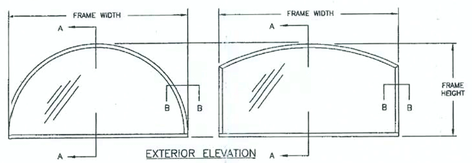
FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE:

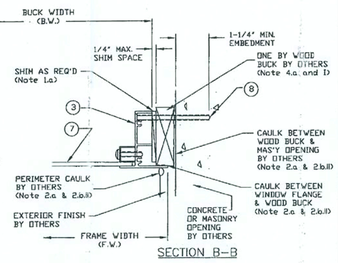
SHEET:
1 of 3



SECTION A–A



EXTERIOR ELEVATION



SECTION B–B

GENERAL NOTES

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

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

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

(C) Production Glazing may differ from that tested as allowed by AN8/AAMA/NWWDA 101/I.S. 2 - 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13on Drawing FLEX 20100 for further details.

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

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

(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 pe Parts List. See Note (H) regarding deviations.

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

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

PARTS LIST

1 Head - Flange Frame
2 Sill - Flange Frame
3 Jamb - Flange Frame
4 Not Used
5 Not Used
6 Glazing Bead - Rigid Vinyl
7 Glazing - See Note (B) and (C)
8 3/16" Dia. Flat Head Concrete Screw with minimum working load in shear of 255 lbs at 1 1/4" embedment. See Note (J) on this drawing and Note 7 on Drawing FLEX20100.
9 #10 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.

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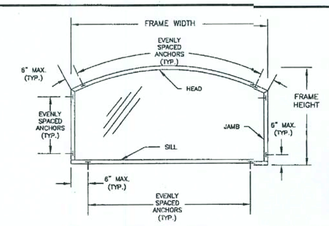
TITLE: Milestone Series 1000, 1750 and 2000 Non-Impact Resistant Aluminum Frame Designer Fixed Window Installation Drawing for Masonry Substrate & Concrete Header

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	See Sheet 2 of 2

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

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

Drawing No. FLEX28110
Sheet 1 of 2



EXTERIOR ELEVATION

FASTENER SPACING ILLUSTRATION
EYEBROW ARCH DESIGNER WINDOW SHOWN AS EXAMPLE

EXAMPLE:

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

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

– or –

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

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

FASTENER INSTALLATION INSTRUCTIONS - FLEX28110

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

(I) Nail attachment of non-structural one by buck per Note 4.a.ii.2 Drawing FLEX20100.
(J) Where window is installed in an opening with a non-structural one by wood buck for the head, sill and jambs, use a 3/16" diameter concrete screw of sufficient length to achieve minimum embedment of 1-1/4" into masonry or concrete. See "Parts List" on Sheet 1 of this drawing for concrete screw size, embedment and load requirements. See FLEX20100, Note 7 for additional concrete screw requirements.
(K) Fastener spacing shall be per Notes (O), (Q) and (R) below.

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

(L) Where window is installed in an opening with a structural two by wood buck for the head, sill and jambs, use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
(M) Wood screws shall not be used to fasten assembly into the end grain of wood.
(N) Fastener spacing shall be per Notes (P), (Q) and (R) below.

FASTENER SPACING (See Elevation View on this Sheet):

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

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

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

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

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

(S) Installations depicted in these instructions 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.
(T) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWWDA 101/I.S. 2 - 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
(U) Concrete Header at head and/or two by wood buck and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the masonry, concrete or other structural substrate per the FBC and the engineer of record's details as applicable.
(V) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.

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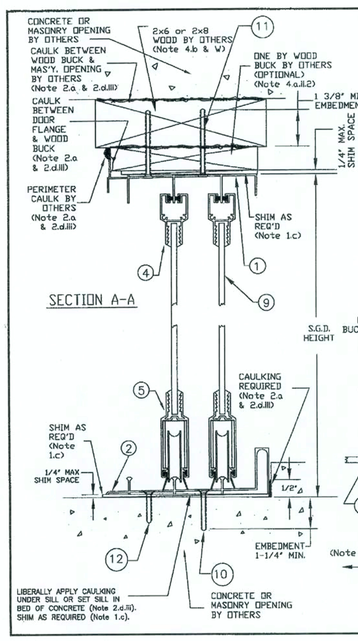
TITLE: Milestone Series 1000, 1750 and 2000 Non-Impact Resistant Aluminum Frame Designer Fixed Window Installation Drawing for Masonry Substrate & Concrete Header

REVISIONS			
No.	Date	By	Description
0	12/27/05	RJA	See Sheet 2 of 2

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

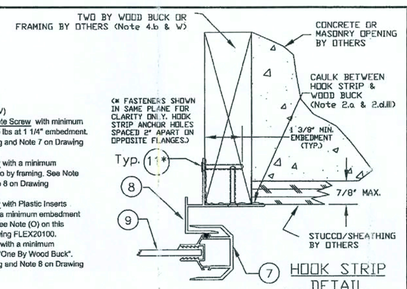
Drawing No. FLEX28110
Sheet 2 of 2

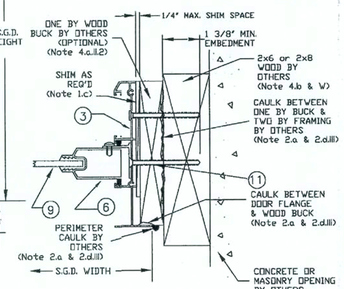


SECTION A–A

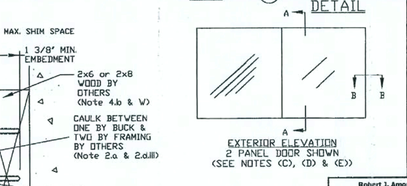
PARTS LIST

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





SECTION B–B



EXTERIOR ELEVATION
2 PANEL DOOR SHOWN
(SEE NOTES (C), (D) & (E))

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TITLE: Milestone Series 500, 1000 & 2000 Non-Impact Resistant Aluminum Frame Designer Sliding Door Installation Drawing for Concrete Sill Substrate w/#10 Wood Screws

REVISIONS			
No.	Date	By	Description
1	12/27/05	RJA	See Sheet 1 of 2

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

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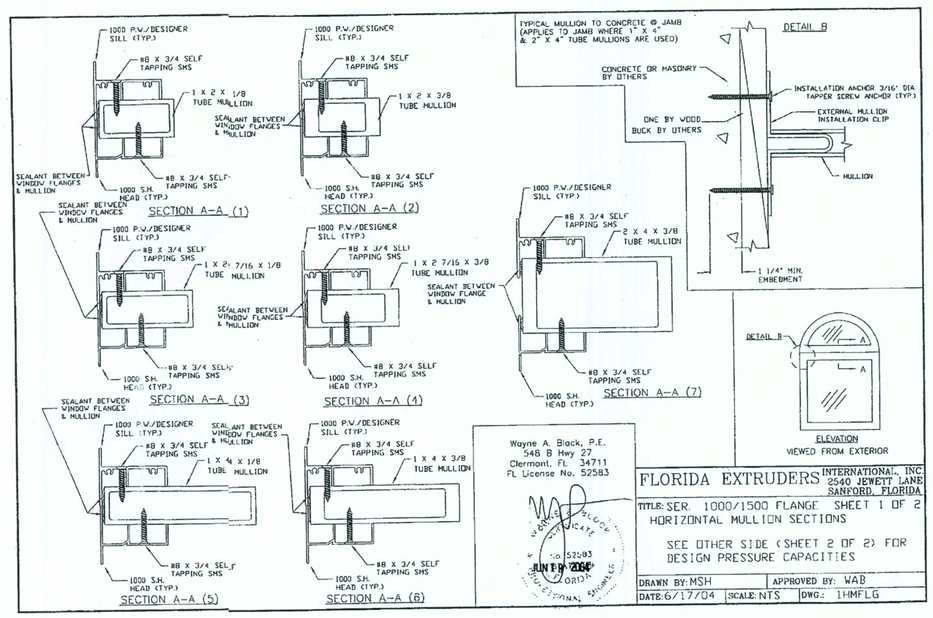
Drawing No. FLEX24112
Sheet 1 of 2



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

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

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

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

REVISIONS :

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

FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE:

SHEET: 2 of 3

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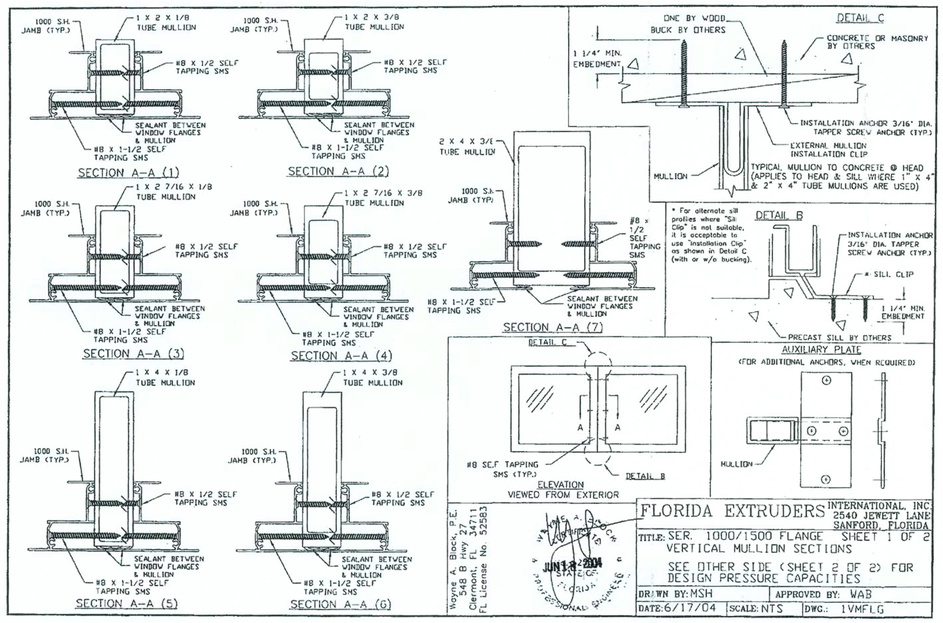

Wayne A. Block, P.E. 548 B Hwy 27 Clermont, FL 34711 FL License No. 52383

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

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

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

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

FASTENER INSTALLATION CHART

Nominal Door Size and Configuration	Door Size	REQUIRED QUANTITIES OF FASTENERS: HEAD (HR WS) TO 45 PSF	HEAD (HR WS) 45 PSF TO 60 PSF	HEAD (HR WS) 61 PSF TO 70 PSF	SILL (CS) TO 45 PSF	SILL (CS) 45 PSF TO 60 PSF	SILL (CS) 61 PSF TO 70 PSF	JAMBS (HR WS) TO 70 PSF	HOOK STRIP (HR WS) TO 70 PSF
4068 XOX, OXX, XO	48 x 80	6	6	8	3	3	3	6	5
5068 XX, OX, XO	60 x 80	8	8	8	4	5	5	8	5
6068 XX, OX, XO	72 x 80	8	8	8	4	4	5	8	5
8068 XX, OX, XO	96 x 80	10	10	10	5	4	5	8	5
10068 XX, OX, XO	120 x 80	12	12	12	6	6	7 (D1)	8	5
5080 XX, OX, XO	60 x 96	8	8	8	3	3	3	10	10
6080 XX, OX, XO	72 x 96	8	8	8	4	4	4	10	10
8080 XX, OX, XO	96 x 96	10	10	10	5	5	5	10	10
10080 XX, OX, XO	120 x 96	12	12	12	6	6	7 (D1)	10	10
6090 XX, OX, XO	72 x 108	8	8	8	3	3	3	12	12
8090 XX, OX, XO	96 x 108	10	10	10	4	4	4	12	12
10090 XX, OX, XO	120 x 108	12	12	12	5	5	6	12	12
6100 XX, OX, XO	72 x 120	8	8	8	4	4	4	12	12
8100 XX, OX, XO	96 x 120	10	10	10	5	5	6	12	12
8068 OXO	109 7/8 x 80	12	12	12	6	6	6	6	4
12068 OXO	145 5/8 x 80	14	14	14	7	7	8 (D3)	6	3
13068 OXO	161 7/8 x 80	16	16	16	8	10 (D3)	11 (D3)	8	4
8080 OXO	109 5/8 x 96	12	12	12	6	6	6	10	10
12080 OXO	146 7/8 x 96	14	14	14	7	8 (D1)	8 (D3)	10	10
13080 OXO	161 7/8 x 96	16	16	16	8	10	10	10	10
8090 OXO	109 5/8 x	12	12	12	6	6	6	12	12
12090 OXO	146 5/8 x	14	14	14	7	8 (D3)	10 (D3)	12	12
8100 OXO	109 5/8 x	12	12	12	6	6	6	12	12
12100 OXO	146 5/8 x	14	14	14	7	8 (D3)	10 (D3)	12	12
9068 XOX	106 5/8 x 80	12	12	12	6	6	6	6	3
13068 XOX	142 5/8 x 80	14	14	14	7	8 (D1)	8	6	3
15068 XOX	178 5/8 x 80	16	16	16	8	10 (D3)	11 (D3)	8	4
9080 XOX	106 5/8 x 96	12	12	12	6	6	6	10	10
13080 XOX	142 5/8 x 96	14	14	14	7	8 (D3)	9 (D3)	10	10
15080 XOX	178 5/8 x 96	16	16	16	8	10 (D3)	12	10	10
9090 XOX	106 5/8 x	12	12	12	6	6	6	12	12
13090 XOX	142 5/8 x	14	14	14	7	8 (D3)	10 (D3)	12	12
15090 XOX	178 5/8 x	16	16	16	8	10	12	12	12
9100 XOX	106 5/8 x	12	12	12	6	6	6	12	12
13100 XOX	142 5/8 x	14	14	14	7	8 (D3)	10 (D3)	12	12
15100 XOX	178 5/8 x	16	16	16	8	10	12	12	12
10068 OOXO	119 5/8 x 80	12	12	12	6	6	7 (D1)	8	5
12068 OOXO	143 5/8 x 80	14	14	14	7	8 (D1)	8 (D1)	8	5
14068 OOXO	167 5/8 x 80	16	16	16	8	10 (D1)	12 (D3)	8	5
10080 OOXO	119 5/8 x 96	12	12	12	6	6	7 (D1)	10	10
12080 OOXO	143 5/8 x 96	14	14	14	7	8 (D1)	9 (D3)	10	10
14080 OOXO	167 5/8 x 96	16	16	16	8	10 (D3)	11 (D3)	10	10
10090 OOXO	119 5/8 x	12	12	12	6	6	7 (D1)	12	12
12090 OOXO	143 5/8 x	14	14	14	7	8 (D1)	9 (D3)	12	12
14090 OOXO	167 5/8 x	16	16	16	8	10 (D3)	11 (D3)	12	12
10100 OOXO	119 5/8 x	12	12	12	6	6	7 (D1)	12	12
12100 OOXO	143 5/8 x	14	14	14	7	8 (D1)	9 (D3)	12	12
14100 OOXO	167 5/8 x	16	16	22	10 (D4)	13 (D4)	16 (D7)	12	12
12068 XXXX	117 1/4 x 80	12	12	12	6	6	6	6	4
13068 XXXX	131 1/4 x 80	14	14	14	7	7	8 (D1)	6	4
15068 XXXX	159 1/4 x 80	16	16	16	8 (D1)	10 (D3)	12 (D4)	6	4
12080 XXXX	117 1/4 x 96	12	12	12	6	6	7 (D1)	10	10
13080 XXXX	131 1/4 x 96	14	14	14	7	8 (D1)	9 (D3)	10	10
15080 XXXX	159 1/4 x 96	16	16	16	8 (D1)	10 (D3)	12 (D4)	10	10
12090 XXXX	117 1/4 x	12	12	12	6	6	7 (D1)	12	12
13090 XXXX	131 1/4 x	14	14	14	7	8 (D1)	9 (D3)	12	12
15090 XXXX	159 1/4 x	16	16	16	8 (D1)	10 (D3)	12 (D4)	12	12
12100 XXXX	117 1/4 x	12	12	12	6	6	7 (D1)	12	12
13100 XXXX	131 1/4 x	14	14	14	7	8 (D1)	9 (D3)	12	12
15100 XXXX	159 1/4 x	16	16	21	10 (D3)	12 (D5)	16 (D7)	12	12

ANCHOR INSTALLATION CHART NOTES:

1) IN SOME CASES CONCRETE SCREWS ARE REQ'D. IN BOTH FACTORY APPLIED INSTALLATION HOLES. "D1" THROUGH "D7" DESIGNATES IN WHICH SIZE & CONFIGURATIONS TWO CONCRETE SCREWS ARE REQ'D.
2) "D1" MEANS, INSTALL TWO CONCRETE SCREWS IN ONE SET OF INSTALLATION HOLES.
3) "D3" MEANS, INSTALL TWO CONCRETE SCREWS IN TWO SETS OF INSTALLATION HOLES.
4) "D4" MEANS, INSTALL TWO CONCRETE SCREWS IN THREE SETS OF INSTALLATION HOLES.
5) "D5" MEANS, INSTALL TWO CONCRETE SCREWS IN FOUR SETS OF INSTALLATION HOLES.
6) "D6" MEANS, INSTALL TWO CONCRETE SCREWS IN FIVE SETS OF INSTALLATION HOLES.
7) "D7" MEANS, INSTALL TWO CONCRETE SCREWS IN SIX SETS OF INSTALLATION HOLES.
8) "D7" MEANS, INSTALL TWO CONCRETE SCREWS IN SEVEN SETS OF INSTALLATION HOLES.
9) LOCATION OF ADDITIONAL CONCRETE SCREWS IN SILL SHOULD BE PRIORITIZED AS FOLLOWS:
A: FIRST ADJACENT TO INTERLOCK OR BUTT STILES IN SILL
B: SECONDLY, AT EACH END OF SILL NEAR JAMB CORNER, IF NEEDED.
C: LOCATIONS IN SILL OTHER THAN AS LISTED IN A & B.
10) SILL = CONCRETE SCREW REQ'D AND JAMB & HOOK STRIP

GENERAL NOTES

(3 to 13) See General Notes Drawing FLEX20100, Sheet 1 & 2.
(A) Milestone Series 1000 Sliding Glass Door is shown. Also applicable to Milestone Series 500 and 2000 Sliding Glass Door.
(B) Drawing applicable to Non-Impact Resistant Sliding Glass Doors glazed with 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 Southern Pine with a Specific Gravity of 0.55. 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.
(N) Alternate concrete screw installation fasteners front to back in all frame members 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. 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 hook strip.
(R) All remaining factory applied installation fastener holes in the head and jamb(s) not used for #8 wood screw with 1-1/8" embedment shall be fastened with #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.
(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 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.
(V) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWWDA 101/I.S. 2 - 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
(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.

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TITLE: General Notes Drawing for Milestone Series 500, 1000, 1500, 1750, 2000 & 3000 Non-Impact Resistant Aluminum Windows & Patio Sliding Glass Doors Installation Details

REVISIONS: No. 1 — Date 6/17/04 — Description: Original Release; No. 2 — Date 3/27/06 — Description: General Changes

Drawing No. FLEX20100 Sheet 1 of 2

General Notes Drawing for Milestone Series 500, 1000, 1500, 1750, 2000 and 3000 Non-Impact Resistant Aluminum Window and Patio Sliding Glass Door Installation Details

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

A) General Assembly Installation Instructions

1) SHIMMING:

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

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

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

3) MATERIALS:

a. Window and sliding glass door frame material is Aluminum Alloy 6063 T5.
b. Concrete Screws shall meet the minimum requirements of Note 7.
c. Wood screws shall meet the requirements of Note 8.
d. Tapping (i.e., Sheet Metal) Screws when used in lieu of Wood Screws shall meet the requirements of Note 8.
e. Nails shall meet the requirements of Note 9.
f. Corrosion Resistance Coatings for installation fasteners shall meet the requirements of Note 5.
g. Concrete block or concrete masonry units (CMU) shall meet the requirements of ASTM C90.
h. Concrete shall meet the minimum requirements of the Florida Building Code (minimum compressive strength of 2500 psi).

4) BUCKING:

a. One by (1x) wood bucking:
i. Applies to all non-structural bucks less than 1 1/2" thickness. Not intended to limit to nominal one by wood buck only.
ii. One by wood bucking shall be secured to the substrate (masonry, concrete or structural wood/bucking or framing using fasteners suitable for the application.
1. If the product specific installation drawing does prescribe fastening requirements for the bucking, they shall be followed.
2. If the product specific installation drawing does not prescribe fastening requirements for the bucking, fastening must only be sufficient to maintain position of the bucking during window installation.
a. Installer, builder or design professional of record may specify method to secure one by wood bucking to substrate to facilitate window installation.
b. Two by (2x) wood bucking or framing:
i. Applies to all structural wood bucks and/or framing at the head, jamb or sill equal to and greater than 1 1/2" thickness.
ii. They shall be securely fastened to transfer the load to the masonry, concrete or other structural substrate per 2001 FBC, Section 1707.4.4, 2004 FBC-Building, Section 1717.2.4 and 2004 FBC-Residential, Section R613.5 and/or the engineer of record's details as applicable.

B) General Fastener Installation Instructions

5) All installation fasteners must be made of corrosion resistant materials or have a corrosion resistant coating applied suitable for the environment and/or framing material. Where fasteners are used in pressure-preservative treated wood, the wood supplier shall be consulted for recommendation of fasteners compatible with the pressure-preservative treatment process used.

6) All field supplied holes in the frame (if required) will be as follows.
a. 1/32" diameter for all #8 wood or tapping screws.
b. 3/16" in diameter for #10 wood or tapping screws and 3/16" diameter concrete screws.
c. No. 29 size drill bit for 1/134" shank diameter screws.
d. No. 33 size drill bit for 1/113" shank diameter screws.

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

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

DISCLAIMER

The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., concrete screws, wood screws, tapping screws, nails and Vulkem Structural Adhesive (or other approved equal)) to achieve the design pressure specified on the fenestration product as required by the 2001 Florida Building Code (FBC), Section 1707.4.4, 2004 FBC-Building, Section 1714.5.4 and the 2004 FBC-Residential, Section R613.5. Recommendations regarding flashing, sealing, sealants or other joint sealant practices does not constitute a warranty either expressed or implied.

NOTE ON PE SEALING

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

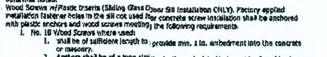
Robert J. Amoruso, P.E. FL License No. 49782

Drawing No. FLEX20100 Sheet 1 of 2

General Notes Drawing for Milestone Series 500, 1000, 1500, 1750, 2000 and 3000 Non-Impact Resistant Aluminum Window and Patio Sliding Glass Door Installation Details

3) Wood Screws and Tapping (Sheet Metal) Screws (For installation of window or door frame in wood buck or framing substrate)

a. Wood Screws & Tapping Screw shall be "Flat" head when used with flange frame windows.
b. Wood Screws & Tapping Screw shall be "Pan" head when used with fin frame windows.
c. Wood Screws shall meet ANSI B18.6.1 dimensional requirements.
d. Tapping Screws shall meet ANSI B18.6.4 dimensional requirements.
e. Diameter and embedment shall be as indicated on the installation drawing.
f. If wood tends to split, pre-bore holes as follows (National Design Specification for Wood Construction).
i. No. 8 wood screw - 1/8" diameter pilot hole.
ii. No. 10 wood screw - 3/64" diameter pilot hole.
g. Wood Screws & Tapping Screw shall be of sufficient length so that the minimum embedment into the receiving substrate (member receiving the point) is met.
h. Wood Screws & Tapping Screw shall not be used as head for fastening into the end grain of wood.
i. Wood Screw & Tapping Screw allowable lateral and withdrawal loads used to generate fastening requirements are based on a specific gravity of 0.42 for spruce-pine-fir (SPF) unless otherwise noted.
j. Wood Screws w/Plastic Inserts (Sliding Glass Door Sill Installation ONLY). Factory applied installation fastener holes in the sill not used for concrete screw installation shall be anchored with plastic anchors and wood screws meeting the following requirements.
i. No. 10 Wood Screws where used:
1. shall be of sufficient length to provide min. 1 in. embedment into the concrete or masonry.
2. Anchors shall be of a type similar to those depicted below with allowable shear loads greater than or equal to 257 lbs ultimate and 74 lbs working (ultimate/4).
ii. No. 8 Wood Screws where used:
1. shall be of sufficient length to provide min. 7/8 in. embedment into the concrete or masonry.
2. Anchors shall be of a type similar to those depicted below with allowable shear loads greater than or equal to 246 lbs ultimate and 61 lbs working (ultimate/4).



3) Nails (For installation of window or door frame in wood buck or framing substrate)

a. Nails shall meet the minimum requirements of the product specific installation drawings for the following characteristics.
i. Shank Diameter
ii. Head Diameter
i. Round Head Only for window installation.
2. As specified on the product specific installation drawing for One By Bucking installation if applicable.
b. Nails shall meet the dimensional requirements of ASTM F1667, "Standard Specification of Driven Fasteners: Nails, Spikes and Staples."
c. Nails listed in one of the following Evaluation Reports (ICC-ES, see www.icc-es.org) are preferred. However, if the minimum shank and head diameters are maintained, this is not mandatory.
i. NER-272
ii. ESR-1539
iii. Nail manufacturer's published Evaluation Report.
d. Nails shall not be used for fastening into the end grain of wood.
e. Nail allowable lateral and withdrawal loads used to generate fastening requirements are based on a specific gravity of 0.42 for spruce-pine-fir (SPF) unless otherwise noted.
f. If wood tends to split, pre-bore holes as follows (National Design Specification for Wood Construction).
i. 0.113" dia. nails - #44 drill size pilot hole.
ii. Other nail diameter pilot holes not exceeding 75% of the nail's diameter as required.

C) Fenestration Assembly Design Pressure Ratings & FBC Code Compliance

10) The buyer shall order windows and patio doors that will meet the project's specific requirements based on the builder's information, Milestone product specifications, The Florida Building Code, and the codes or code amendments administered by local building departments. To assure compliance with the building code, the buyer must know the structural requirements with regards to positive and negative design pressures, water requirements, and egress. Documentation provided by Florida Extruders for its Milestone brand fenestration products includes test reports, installation details, and ASTM glass charts.

11) The Milestone Series 500, 1000, 1500, 1750, 2000 and 3000 Non-Impact Resistant Aluminum Window and Patio Sliding Glass Doors installation instructions comply with the following:
a. 2001 FBC, Chapter 17 Sections 1707.4.4.1 for anchoring requirements, 1707.4.4.2 for masonry, concrete or other structural substrates and 1707.4.4.3 for wood or approved framing members.
b. 2004 FBC-Building, Chapter 17 Sections 1714.5.4.1 for anchoring requirements, 1714.5.4.2 for masonry, concrete or other structural substrates and 1714.5.4.3 for wood or approved framing members.
c. 2004 FBC-Residential, Chapter 6 Sections R613.5.1 for anchoring requirements, R613.5.2 for masonry, concrete or other structural substrates and R613.5.3 for wood or approved framing members.

12) Milestone Series 500, 1000, 1500, 1750, 2000 and 3000 Non-Impact Resistant Aluminum Windows and Patio Sliding Glass Doors are tested and labeled in accordance with the following.
a. Design Pressure (Performance Rating) tested in accordance with the following. A permanent label is placed on the frame meeting the requirements of the following.
i. 2001 FBC Section 1707.4.2.1.
ii. 2004 FBC-Building Section 1714.5.2.1, and
iii. 2004 FBC-Residential Section R613.3.1.
b. Applied Loads and Glazing Wind Load Resistance in accordance with the following.
i. 2001 FBC Section 2405.1,
ii. 2004 FBC-Building Section 1714.5.2.1 & 2404.1,
iii. 2004 FBC-Residential Section R613.3 & R613.3.1, and ASTM E1300.
c. A non-permanent label is placed on each light of the window or door designating the type and thickness of the glazing meeting the requirements of the following.
i. 2001 FBC, Section 2403.1,
ii. 2004 FBC-Building, Section 2403.1, and
iii. 2004 FBC-Residential, Section R308.1.

13) Overall Performance Rating for fenestration assembly.
a. The overall assembly Performance Rating shall be based on the lower of following.
i. Test report design pressure based on the lower of the structural, air infiltration and water penetration testing in the positive and negative directions and recorded on the permanent label and/or test report.
ii. Glass load resistance from ASTM E-1300 recorded on the non-permanent label.
b. Glass thickness may be greater than the test specimen per the requirements of ASTM E1300 in meeting applied wind loading per Note 12.b above.
i. In accordance with ANSI/AAMA/NWWDA 101/I.S. 2 - 97, Section 3.6, the buyer, at order entry, shall specify a glass type and thickness that meets and/or exceeds the design pressure requirements of the project.
ii. The glass type and thickness specified by the buyer will not be less than that used with the test specimen.

14) The windows shall not be installed in areas where the applied transverse wind loads exceed the allowable design pressure based on 13.a above.

15) Limitations of Use
a. The windows shall be installed in accordance with the Manufacturer's Installation Drawings.
b. Fastener Size, Type and Spacing are determined by the type of construction per the Manufacturer's Installation Drawings.
c. The windows and patio doors shall not be installed in areas where the applied transverse wind loads exceed the allowable design pressure based on the following (see Note 13).
i. test report design pressure and/or
ii. glass load resistance determined from ASTM E-1300.
d. MILESTONE Series 500, 1000, 1500, 1750, 2000 and 3000 Non-Impact Resistant Aluminum Windows and Patio Sliding Glass Doors have not been evaluated for use in High Velocity Hurricane Zones (Broward and Dade Counties) or in Wind-Borne Debris Regions as defined in the 2001 Florida Building Code, 2004 Florida Building Code-Building and 2004 Florida Building Code-Residential and shall not be used in the HVHZ.
e. MILESTONE Series 500, 1000, 1500, 1750, 2000 and 3000 Non-Impact Resistant Aluminum Windows and Patio Sliding Glass Doors may be used in Wind-Borne Debris Regions as defined in the 2001 Florida Building Code, 2004 Florida Building Code-Building and 2004 Florida Building Code-Residential that lie outside the High Velocity Hurricane Zones (Broward and Dade counties) if a Florida Building Code approved shutter assembly is employed to protect the windows in accordance with applicable FBC Code Sections.

Drawing No. FLEX20100 Sheet 2 of 2

Florida Extruders Int'l., Inc. 2540 Jewett Lane - Sanford, FL 32771 407-323-3360 - 407-323-3307 (fax) www.floridaextruders.com Florida COA No. 9235

TITLE: General Notes Drawing for Milestone Series 500, 1000, 1500, 1750, 2000 & 3000 Non-Impact Resistant Aluminum Windows & Patio Sliding Glass Doors Installation Details

REVISIONS: No. 1 — Date 6/17/04 — Description: Original Release; No. 2 — Date 3/27/06 — Description: General Changes

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

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

REVISIONS :

FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE: 3/MAR 2006

SHEET: 3 of 3

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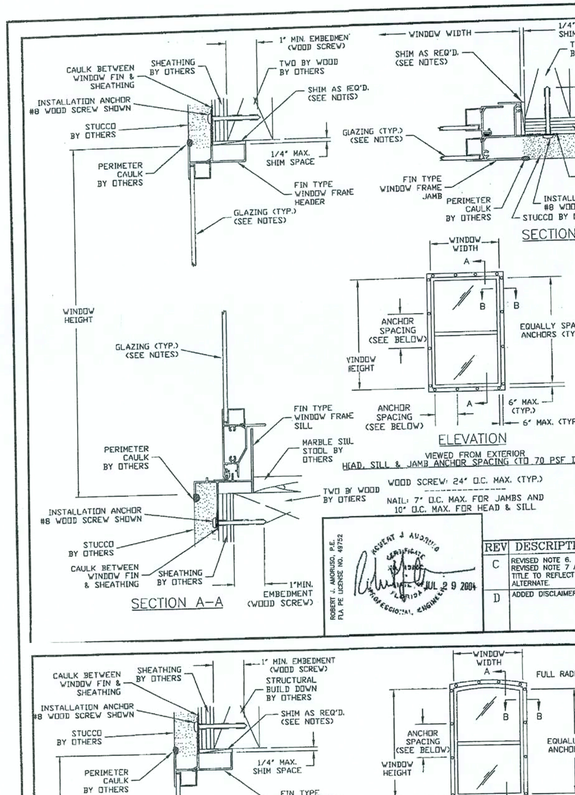


Disclaimer: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., wood screws and nails) to achieve the design pressure specified on the fenestration product anchorage (i.e., wood screws and nails) to achieve the design pressure specified on the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

IMPORTANT INFORMATION & GENERAL NOTES

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

GENERAL INSTALLATION INSTRUCTIONS

1) SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE SHIM STACK TO BE 1/4". APPLY A BEAD OF VULKEM 116 ADHESIVE CAULK OR APPROVED EQUAL AT THE FASTENER LOCATION PRIOR TO INSERTING THE SHIM TO ADHERE THE SHIM TO THE SUBSTRATE AND/OR WINDOW FRAME. FULL BEARING BETWEEN THE SHIM, SUBSTRATE AND WINDOW FRAME ARE REQUIRED.
2) USE SILICONIZED ACRYLIC CAULK BEHIND WINDOW FIN AT HEAD, SILL & JAMBS.
3) USE SILICONIZED ACRYLIC CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FRAME.
4) FLORIDA EXTRUDERS 1000 SERIES SINGLE HUNG IS SHOWN. THIS PRINT ALSO APPLIES TO THE FLORIDA EXTRUDERS 1500 AND 2000 SERIES SINGLE HUNGS.
5) WINDOW FRAME MATERIAL: ALUMINUM ALLOY 6063.

ANCHOR INSTALLATION INSTRUCTIONS

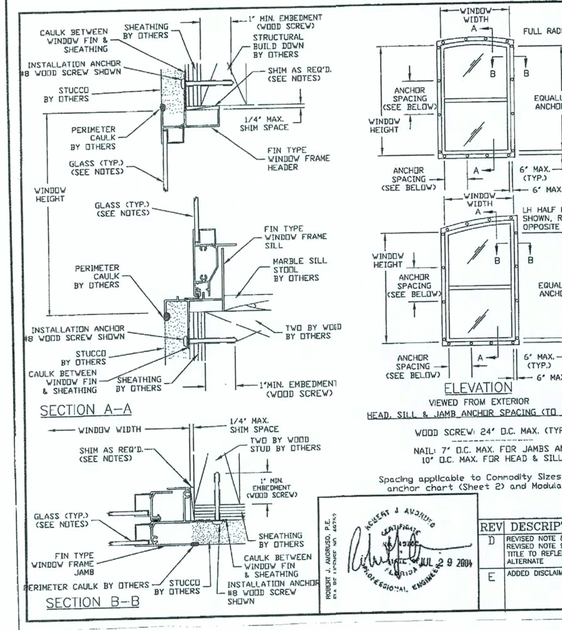
GENERAL:
6) ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPLIED SUITABLE FOR THE ENVIRONMENT AND/OR FRAMING MATERIAL. WHERE ANCHORS ARE USED IN PRESSURE-PRESERVATIVE TREATED WOOD, THE WOOD SUPPLIER SHALL BE CONSULTED FOR RECOMMENDATION OF ANCHORS COMPATIBLE WITH THE PRESSURE-PRESERVATIVE TREATMENT PROCESS USED.
7) ALL FIELD SUPPLIED HOLES IN THE FRAME (IF REQUIRED) WILL BE:
a) 3/16" IN DIAMETER FOR #8 WOOD SCREWS, AND
b) THE SHANK DIAMETER OF THE NAIL ROUNDED UP TO THE NEXT STANDARD DESIGNATION DRILL BIT SIZE.
8) WOOD SCREWS SHALL MEET ANSI B18.6.1 DIMENSIONAL REQUIREMENTS.
9) NAILS SHALL MEET ASTM F 1667, "STANDARD SPECIFICATION FOR DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES."
10) IF WOOD TENDS TO SPLIT, PRE-BORE HOLE AS FOLLOWS (PER NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION REQUIREMENTS):
a) #8 WOOD SCREWS - 1/8" DIA. PILOT HOLE.
b) 0.113" DIA. NAILS - #44 DRILL SIZE PILOT HOLE.
c) OTHER NAIL DIAMETER PILOT HOLES NOT EXCEEDING 75% OF THE NAIL'S DIAMETER AS REQUIRED.
11) WOOD SCREW AND NAIL WITHDRAWAL VALUES USED TO GENERATE FASTENING REQUIREMENTS ARE BASED ON SOUTHERN PINE WITH A SPECIFIC GRAVITY OF 0.55.
12) WOOD SCREWS AND NAILS SHALL NOT BE MIXED TO FASTEN THE SAME ASSEMBLY.
13) WOOD SCREWS AND NAILS SHALL NOT BE USED TO FASTEN ASSEMBLY INTO THE END GRAIN OF WOOD.

[SEE SHEET 2 FOR CONTINUATION OF NOTES]

ROBERT J. ANDRUSO, P.E.
FLA PE LICENSE NO. 49752
ROBERT J. ANDRUSO
LICENSED
STATE OF FLORIDA
PROFESSIONAL ENGINEER
JUL 29 2004

REV	DESCRIPTION	DATE	INI
C	REVISED NOTE 6. REVISED NOTE 7 AND TITLE TO REFLECT NAIL ALTERNATE.	12/10/03	RJA
D	ADDED DISCLAIMER.	7/29/04	RJA

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL W/#8 SCREWS OR NAILS
SINGLE HUNG FIN WINDOW - SERIES 1000, 1500, & 2000
DRAWN BY: BB | APPROVED BY: RJA
DATE: 7/29/04 | SCALE: N. T. S. | DWG.:FLEX0026 SHT 1 OF 2



IMPORTANT INFORMATION & GENERAL NOTES

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5) WINDOW FRAME MATERIAL: ALUMINUM ALLOY 6063.
6) BUILD DOWN AROUND CURVED PORTION OF WINDOW FRAME TO BE ENGINEERED BY OTHERS. BUILD DOWN MUST BE OF SUFFICIENT STRENGTH TO ADEQUATELY TRANSFER LOAD FROM WINDOW TO THE STRUCTURE PER FBC, SECTION 1707.4.4.
7) WINDOW UNIT CAN BE MULLED TO OTHER UNITS USING ALUMINUM TUBE MULLION. SEE MULLION INSTALLATION SHEETS FOR REQUIREMENTS.

ANCHOR INSTALLATION INSTRUCTIONS

GENERAL:
8) ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPLIED SUITABLE FOR THE ENVIRONMENT AND/OR FRAMING MATERIAL. WHERE ANCHORS ARE USED IN PRESSURE-PRESERVATIVE TREATED WOOD, THE WOOD SUPPLIER SHALL BE CONSULTED FOR RECOMMENDATION OF ANCHORS COMPATIBLE WITH THE PRESSURE-PRESERVATIVE TREATMENT PROCESS USED.
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[SEE SHEET 2 FOR CONTINUATION OF NOTES]

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ROBERT J. ANDRUSO
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STATE OF FLORIDA
PROFESSIONAL ENGINEER
JUL 29 2004

REV	DESCRIPTION	DATE	INI
D	REVISED NOTE 8. REVISED NOTE 9 AND TITLE TO REFLECT NAIL ALTERNATE	12/10/03	RJA
E	ADDED DISCLAIMER.	7/29/04	RJA

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235
TITLE: INSTALLATION DETAIL W/#8 SCREWS OR NAILS
SINGLE HUNG RADIUS HEAD FIN - SERIES 1000, 1500, & 2000
DRAWN BY: JBH | APPROVED BY: RJA
DATE: 7/29/04 | SCALE: N. T. S. | DWG.:FLEX0041 SHEET 1 OF 2

#8 WOOD SCREW INSTALLATION ANCHOR CHART

CALL SIZE	WINDOW SIZE	QUANTITY IN HEAD & SILL UP TO 70 PSF	QUANTITY IN EACH JAMB UP TO 70 PSF
2024	23 1/2 X 27 1/2	2	2
2030	23 1/2 X 35 1/2	2	2
2038	23 1/2 X 43 1/2	2	3
2040	23 1/2 X 47 1/2	2	3
2044	23 1/2 X 51 1/2	2	3
2050	23 1/2 X 59 1/2	2	4
2060	23 1/2 X 71 1/2	2	4
2070	23 1/2 X 83 1/2	2	4
2424	27 1/2 X 27 1/2	2	2
2430	27 1/2 X 35 1/2	2	2
2438	27 1/2 X 43 1/2	2	3
2440	27 1/2 X 47 1/2	2	3
2444	27 1/2 X 51 1/2	2	3
2450	27 1/2 X 59 1/2	2	4
2460	27 1/2 X 71 1/2	2	4
2470	27 1/2 X 83 1/2	2	4
2824	31 1/2 X 27 1/2	2	2
2830	31 1/2 X 35 1/2	2	3
2838	31 1/2 X 43 1/2	2	3
2840	31 1/2 X 47 1/2	2	3
2844	31 1/2 X 51 1/2	2	3
2850	31 1/2 X 59 1/2	2	4
2860	31 1/2 X 71 1/2	2	4
2870	31 1/2 X 83 1/2	2	4
3024	35 1/2 X 27 1/2	2	2
3030	35 1/2 X 35 1/2	2	3
3038	35 1/2 X 43 1/2	2	3
3040	35 1/2 X 47 1/2	2	3
3044	35 1/2 X 51 1/2	2	3
3050	35 1/2 X 59 1/2	2	4
3060	35 1/2 X 71 1/2	2	4
3070	35 1/2 X 83 1/2	2	4
3424	39 1/2 X 27 1/2	3	2
3430	39 1/2 X 35 1/2	3	3
3438	39 1/2 X 43 1/2	3	3
3440	39 1/2 X 47 1/2	3	3
3444	39 1/2 X 51 1/2	3	3
3450	39 1/2 X 59 1/2	3	4
3460	39 1/2 X 71 1/2	3	4
3470	39 1/2 X 83 1/2	3	4
3824	43 1/2 X 27 1/2	3	2
3830	43 1/2 X 35 1/2	3	3
3838	43 1/2 X 43 1/2	3	3
3840	43 1/2 X 47 1/2	3	3
3844	43 1/2 X 51 1/2	3	3
3850	43 1/2 X 59 1/2	3	4
3860	43 1/2 X 71 1/2	3	4
3870	43 1/2 X 83 1/2	3	4
4024	47 1/2 X 27 1/2	3	2
4030	47 1/2 X 35 1/2	3	3
4038	47 1/2 X 43 1/2	3	3
4040	47 1/2 X 47 1/2	3	3
4044	47 1/2 X 51 1/2	3	3
4050	47 1/2 X 59 1/2	3	3
4060	47 1/2 X 71 1/2	3	4
4070	47 1/2 X 83 1/2	3	4

#8 WOOD SCREW INSTALLATION ANCHOR CHART

CALL SIZE	WINDOW SIZE	QUANTITY IN HEAD & SILL UP TO 70 PSF	QUANTITY IN EACH JAMB UP TO 70 PSF
12	18 1/8 X 25	2	2
13	18 1/8 X 37 3/8	2	3
14	18 1/8 X 49 5/8	2	3
145	18 1/8 X 55 1/4	2	3
15	18 1/8 X 62	2	4
16	18 1/8 X 71	2	4
17	18 1/8 X 83	2	4
1H2	25 1/2 X 25	2	2
1H3	25 1/2 X 37 3/8	2	3
1H4	25 1/2 X 49 5/8	2	3
1H45	25 1/2 X 55 1/4	2	3
1H5	25 1/2 X 62	2	4
1H6	25 1/2 X 71	2	4
1H7	25 1/2 X 83	2	4
30 1/2 X 25	29 1/2 X 25	2	2
30 1/2 X 38 3/8	29 1/2 X 37 3/8	2	3
30 1/2 X 50 5/8	29 1/2 X 49 5/8	2	3
30 1/2 X 56 1/4	29 1/2 X 55 1/4	2	4
30 1/2 X 63	29 1/2 X 62	2	4
30 1/2 X 72	29 1/2 X 71	2	4
30 1/2 X 84	29 1/2 X 83	2	4
22	36 X 25	2	2
23	36 X 37 3/8	2	3
24	36 X 49 5/8	2	3
245	36 X 55 1/4	2	3
25	36 X 62	2	4
26	36 X 71	2	4
27	36 X 83	2	4
42 X 25	41 X 25	3	2
42 X 38 3/8	41 X 37 3/8	3	3
42 X 50 5/8	41 X 49 5/8	3	3
42 X 56 1/4	41 X 55 1/4	3	3
42 X 63	41 X 62	3	4
42 X 72	41 X 71	3	4
42 X 84	41 X 83	3	4
48 X 25	47 X 25	3	2
48 X 38 3/8	47 X 37 3/8	3	3
48 X 50 5/8	47 X 49 5/8	3	3
48 X 56 1/4	47 X 55 1/4	3	3
48 X 63	47 X 62	3	4
48 X 72	47 X 71	3	4
48 X 84	47 X 83	3	4
32	52 1/8 X 25	3	2
33	52 1/8 X 37 3/8	3	3
34	52 1/8 X 49 5/8	3	3
345	52 1/8 X 55 1/4	3	3
35	52 1/8 X 62	3	4
36	52 1/8 X 71	3	4
* 37	52 1/8 X 83	3	4

* 37 SIZE NOT AVAILABLE IN 1000 OR 1500 SERIES

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

#8 WOOD SCREWS:

14) SEE THIS SHEET FOR #8 WOOD SCREW INSTALLATION ANCHOR CHART.
15) #8 WOOD SCREW MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1" INTO THE TWO BY WOOD FRAMING.
16) SPACING OF WOOD SCREWS SHALL BE:
a) 6" FROM EACH CORNER OF THE HEAD, SILL AND JAMBS, AND
b) EVENLY SPACED BETWEEN CORNER ANCHORS BUT NOT EXCEEDING 24" O.C. SPACING IN HEAD, SILL AND JAMBS.

NAILS:

17) NAILS SHALL MEET THE FOLLOWING REQUIREMENTS:
a) 0.113" DIAMETER OR GREATER,
b) 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),
c) HELICAL (SCREW) OR ANNULAR (RING) SHANK STYLE ONLY, AND
d) MANUFACTURER SHALL BE LISTED IN NATIONAL EVALUATION SERVICES, INC.'S NATIONAL EVALUATION REPORT, NER-272.
18) MANUFACTURER'S NAILS MEETING THESE REQUIREMENTS ARE (BUT NOT LIMITED TO) THE FOLLOWING:
a) PASLODE DEFORMED SHANK NAIL, NO. 404947, 404537, 650111 AND 650148.
b) DURO-FAST DEFORMED SHANK NAIL NO. 325.
19) SPACING OF NAILS SHALL BE:
a) 6" FROM EACH CORNER OF THE HEAD, SILL AND JAMBS, AND
b) EVENLY SPACED BETWEEN CORNER ANCHORS AND NOT EXCEEDING 7" O.C. SPACING FOR THE JAMBS AND 10" O.C. SPACING FOR THE HEAD AND SILL.

DESIGN PRESSURE RATING & FBC REQUIREMENTS

20) IF EXACT WINDOW SIZE IS NOT LISTED IN WOOD SCREW ANCHOR CHART, USE ANCHOR QUANTITY LISTED FOR NEXT LARGER SIZE.
21) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES TO 70 PSF FOR WINDOW SIZES SHOWN IN CHART WITH SPACINGS SHOWN. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
22) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
23) COMPLIES WITH CHAPTER 17 SECTIONS 1707.4.4.1 FOR ANCHORING REQUIREMENTS AND 1707.4.4.3 FOR WOOD OR APPROVED FRAMING MEMBERS, MARCH 1,2002.

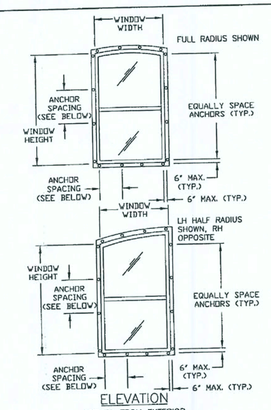
REV	
A	FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
B	CERTIFICATE OF AUTHORIZATION NO. 9235
C	TITLE: INSTALLATION DETAIL W/#8 SCREWS OR NAILS
D	SINGLE HUNG FIN WINDOW - SERIES 1000, 1500, & 2000
	DRAWN BY: BB / APPROVED BY: RJA
	DATE: 7/29/04 / SCALE: NTS / DWG.:FLEX0026 SHT 2 OF 2

#8 WOOD SCREW INSTALLATION ANCHOR CHART

CALL SIZE	WINDOW SIZE	QUANTITY IN HEAD & SILL UP TO 70 PSF	QUANTITY IN EACH JAMB UP TO 70 PSF
12	18 1/8 X 27 5/16	2	2
13	18 1/8 X 39 11/16	2	3
14	18 1/8 X 51 15/16	2	3
145	18 1/8 X 57 19/32	2	3
15	18 1/8 X 64 5/16	2	4
16	18 1/8 X 73 5/16	2	4
1H2	25 1/2 X 28 9/16	2	2
1H3	25 1/2 X 40 15/16	2	3
1H4	25 1/2 X 53 3/16	2	3
1H45	25 1/2 X 59 13/16	2	4
1H5	25 1/2 X 66 9/16	2	4
1H6	25 1/2 X 74 9/16	2	4
29 1/2 X 29 7/32	29 1/2 X 29 7/32	2	2
29 1/2 X 41 19/32	29 1/2 X 41 19/32	2	3
29 1/2 X 53 27/32	29 1/2 X 53 27/32	2	3
29 1/2 X 59 15/32	29 1/2 X 59 15/32	2	4
29 1/2 X 66 7/32	29 1/2 X 66 7/32	2	4
29 1/2 X 75 7/32	29 1/2 X 75 7/32	2	4
22	36 X 30 5/16	2	2
23	36 X 42 11/16	2	3
24	36 X 54 15/16	2	3
245	36 X 60 9/16	2	3
25	36 X 67 5/16	2	4
26	36 X 76 5/16	2	4
41 X 31 5/32	41 X 31 5/32	3	2
41 X 43 17/32	41 X 43 17/32	3	3
41 X 55 29/32	41 X 55 29/32	3	3
41 X 61 3/8	41 X 61 3/8	3	3
41 X 68 5/32	41 X 68 5/32	3	4
41 X 77 5/32	41 X 77 5/32	3	4
47 X 32 5/32	47 X 32 5/32	3	2
47 X 44 17/32	47 X 44 17/32	3	3
47 X 56 29/32	47 X 56 29/32	3	3
47 X 62 3/8	47 X 62 3/8	3	3
47 X 69 5/32	47 X 69 5/32	3	4
47 X 78 5/32	47 X 78 5/32	3	4
32	52 1/8 X 33	3	2
33	52 1/8 X 45 3/8	3	3
34	52 1/8 X 57 5/8	3	3
345	52 1/8 X 63 1/4	3	3
35	52 1/8 X 70	3	4
36	52 1/8 X 79	3	4

INSTALLATION ANCHOR CHART NOTES:

1. Window sizes shown are for Commodity Size Windows.
2. Modular Size Windows will use the anchor quantities shown for the next larger sized Commodity Window.
3. Anchor spacing requirements for Commodity and Modular Size Windows shown on this sheet.
4. Dimensions given are for half radius head units, full radius will be shorter.



IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

#8 WOOD SCREWS:

16) SEE THIS SHEET FOR #8 WOOD SCREW INSTALLATION ANCHOR CHART.
17) #8 WOOD SCREW MUST BE OF SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1" INTO THE TWO BY WOOD BUCK OR BUILD-DOWN STRUCTURAL FRAMING COMPONENT.
18) SPACING OF WOOD SCREWS SHALL BE:
a) 6" FROM EACH CORNER OF THE HEAD, SILL AND JAMBS, AND
b) EVENLY SPACED BETWEEN CORNER ANCHORS BUT NOT EXCEEDING 24" O.C. SPACING IN HEAD, SILL AND JAMBS.

NAILS:

19) NAILS SHALL MEET THE FOLLOWING REQUIREMENTS:
a) 0.113" DIAMETER OR GREATER,
b) SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1 7/8" INTO THE TWO BY WOOD BUCK OR BUILD-DOWN STRUCTURAL FRAMING COMPONENT(GENERALLY, NAIL 2 3/8" LENGTH OR GREATER SHALL MEET THIS REQUIREMENT),
c) HELICAL (SCREW) OR ANNULAR (RING) SHANK STYLE ONLY, AND
d) MANUFACTURER SHALL BE LISTED IN NATIONAL EVALUATION SERVICES, INC.'S NATIONAL EVALUATION REPORT, NER-272.
20) MANUFACTURER'S NAILS MEETING THESE REQUIREMENTS ARE (BUT NOT LIMITED TO) THE FOLLOWING:
a) PASLODE DEFORMED SHANK NAIL, NO. 404947, 404537, 650111 AND 650148.
b) DURO-FAST DEFORMED SHANK NAIL NO. 325.
21) SPACING OF NAILS SHALL BE:
a) 6" FROM EACH CORNER OF THE HEAD, SILL AND JAMBS, AND
b) EVENLY SPACED BETWEEN CORNER ANCHORS AND NOT EXCEEDING 7" O.C. SPACING FOR THE JAMBS AND 10" O.C. SPACING FOR THE HEAD AND SILL.

DESIGN PRESSURE RATING & FBC REQUIREMENTS

22) IF EXACT WINDOW SIZE IS NOT LISTED IN WOOD SCREW ANCHOR CHART, USE ANCHOR QUANTITY LISTED FOR NEXT LARGER SIZE.
23) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES TO 70 PSF FOR WINDOW SIZES SHOWN IN CHART WITH SPACINGS SHOWN. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
24) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
25) COMPLIES WITH CHAPTER 17 SECTIONS 1707.4.4.1 FOR ANCHORING REQUIREMENTS AND 1707.4.4.3 FOR WOOD OR APPROVED FRAMING MEMBERS, MARCH 1, 2002.

REV	
B	FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
C	CERTIFICATE OF AUTHORIZATION NO. 9235
D	TITLE: INSTALLATION DETAIL W/#8 SCREWS OR NAILS
E	SINGLE HUNG RADIUS HEAD FIN - SERIES 1000, 1500, & 2000
	DRAWN BY: RJA / APPROVED BY: RJA
	DATE: 7/29/04 / SCALE: N. T. S. / DWG.:FLEX0041 SHEET 2 OF 2

REVISIONS :

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

FLORIDA EXTRUDERS
WINDOWS IN FRAME

RELEASE DATE:

SHEET: 1 of 3

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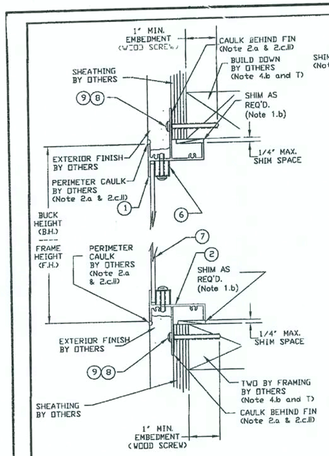
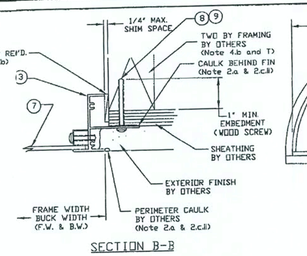
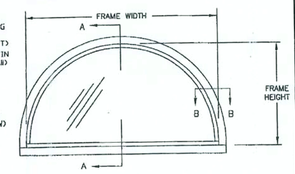


SECTION A-A



SECTION B-B



EXTERIOR ELEVATION

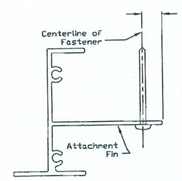
PARTS LIST

1 Head - FinFrame
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 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 (N) 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 1750 & 2000 Designer Fixed Aluminum Windows.
(B) Drawing applicable to Non-Impact Resistant glazed windows.
(C) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWWDA 101/I.S. 2 - 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
(D) For Fastener 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 Southern Pine with a Specific Gravity of 0.55. 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.

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., concrete screws, wood screws, tapping screws, nails and Vinkem 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 1709.4.4, 2004 FBC-Building, Section 1714.5.4 and the 2004 FBC-Residential, Section 609.1.4. 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

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

Drawing No. FLEX28120
Sheet 1 of 2

Florida Extruders Int'l., Inc.
2540 Jewett Lane - Sanford, FL 32771
407-323-3300 - 407-323-3507 (fax)
www.floridaextruders.com
Florida COA No. 9335

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

REVISIONS: No. | Date | Description | By
0 | 12/27/05 | ISA | Supersedes FLEX20127

Date: 12/27/05
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:
- 6" maximum from each corner of head, sill or jambs, and
- evenly spaced between corner fasteners but not exceeding 24" o.c. spacing in head, sill or jambs for the following configurations at design pressures to 70 PSF:
  - eyebrow
  - half-circle arch
  - half-eyebrow
  - octagon
  - fan
  - pentoid
  - full-circle
  - half-circle
  - triangle
  - trapezoid
  - oval
- evenly spaced between corner fasteners but not exceeding 16" o.c. spacing in head, sill or jambs for the following configurations at design pressures to 70 PSF:
  - quarter-circle
  - quarter-circle arch
  - half-fan

(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 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.

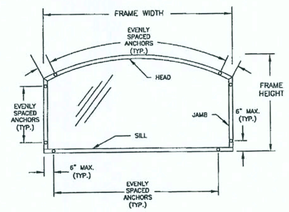
(P) Spacing of nails shall be:
- 6" from each corner of the head, sill and jambs, and
- evenly spaced between corner fasteners but not exceeding the o.c. spacing in head, sill and jambs for the following configurations at design pressures 46 to 70 PSF:
  - eyebrow 7" o.c. spacing
  - half-eyebrow 7" o.c. spacing
  - fan 7" o.c. spacing
  - half-fan 5" o.c. spacing
  - full-circle 9" o.c. spacing
  - half-circle 7" o.c. spacing
  - half-circle arch 7" o.c. spacing
  - quarter-circle 5" o.c. spacing
  - quarter-circle arch 5" o.c. spacing
  - oval 15" o.c. spacing
  - octagon 9" o.c. spacing
  - pentoid 7" o.c. spacing
  - triangle 7" o.c. spacing
  - trapezoid 7" 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:
  - eyebrow 12" o.c. spacing
  - half-eyebrow 12" o.c. spacing
  - fan 11" o.c. spacing
  - half-fan 8" o.c. spacing
  - full-circle 14" o.c. spacing
  - half-circle 11" o.c. spacing
  - half-circle arch 12" o.c. spacing
  - quarter-circle 8" o.c. spacing
  - quarter-circle arch 8" o.c. spacing
  - oval 24" o.c. spacing
  - octagon 14" o.c. spacing
  - pentoid 12" o.c. spacing
  - triangle 12" o.c. spacing
  - trapezoid 12" o.c. spacing

(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 by ANSI/AAMA/NWWDA 101/I.S. 2 - 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
(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

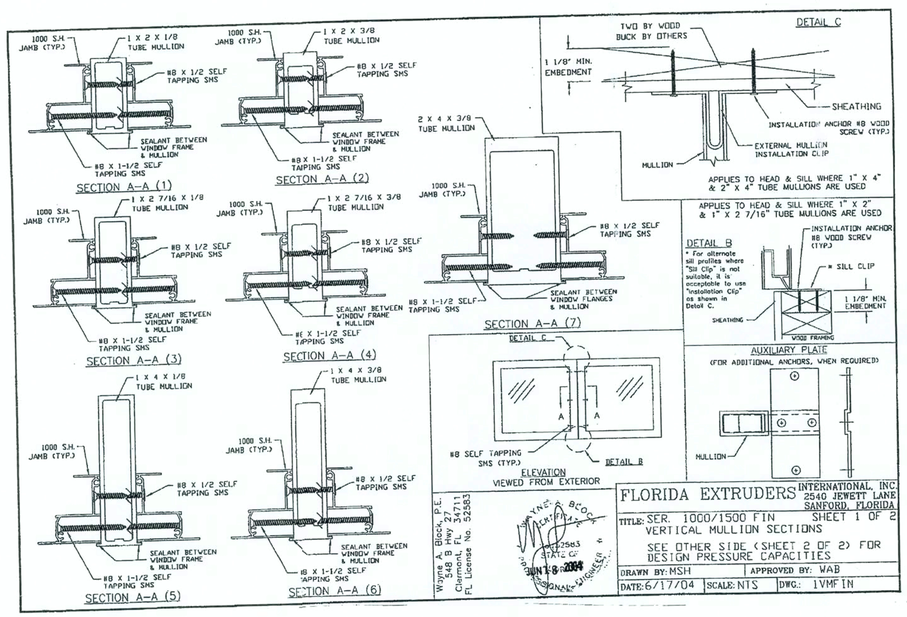
Drawing No. FLEX28120
Sheet 2 of 2

Florida Extruders Int'l., Inc.
2540 Jewett Lane - Sanford, FL 32771
407-323-3300 - 407-323-3507 (fax)
www.floridaextruders.com
Florida COA No. 9335

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

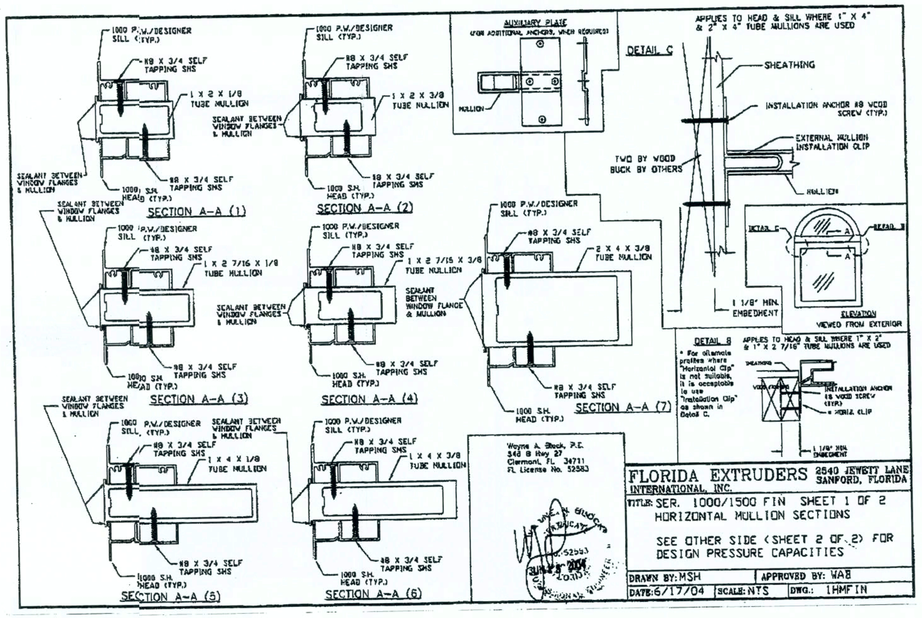
REVISIONS: No. | Date | Description | By
0 | 12/27/05 | ISA | Supersedes FLEX20127

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



Wayne A. Block, P.E.
348 B Hwy 27
Clermont, FL 34711
FL License No. 52583

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
TITLE: SER. 1000/1500 FIN VERTICAL MULLION SECTIONS SHEET 1 OF 2
SEE OTHER SIDE (SHEET 2 OF 2) FOR DESIGN PRESSURE CAPACITIES
DRAWN BY: MSH | APPROVED BY: WAB
DATE: 6/17/04 | SCALE: NTS | DWG: 1VMFIN



Wayne A. Block, P.E.
348 B Hwy 27
Clermont, FL 34711
FL License No. 52583

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
TITLE: SER. 1000/1500 FIN HORIZONTAL MULLION SECTIONS SHEET 1 OF 2
SEE OTHER SIDE (SHEET 2 OF 2) FOR DESIGN PRESSURE CAPACITIES
DRAWN BY: MSH | APPROVED BY: WAB
DATE: 6/17/04 | SCALE: NTS | DWG.: 1HMFIN

REVISIONS :

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

FLORIDA EXTRUDERS
WINDOWS IN FRAME

RELEASE DATE:

SHEET: 2 of 3

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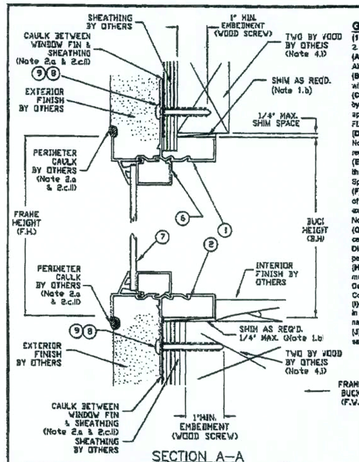


SECTION A–A

GENERAL NOTES

(1 to 13) 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 – 97 or 101/I.S. 2 NAFS and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.

(D) For Fastener 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 Southern Pine with a Specific Gravity of 0.55. See Note (H) regarding deviations.

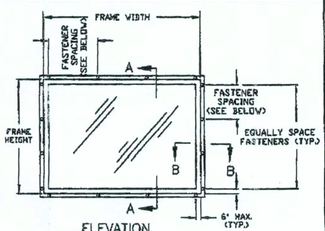
(F) Wood or tapping screw edge distance measured from edge of wood to centerline of wood or tapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (H) regarding deviations.

(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.



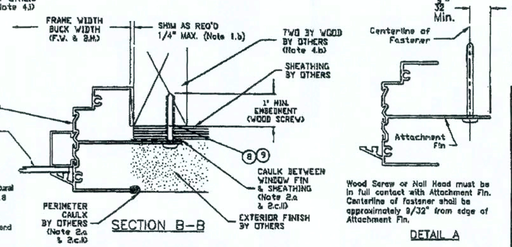
ELEVATION
VIEWED FROM EXTERIOR

HEAD, SILL & JAMB ANCHOR SPACING

WOOD SCREW – TO 70 PSF D.P.: 24" O.C. MAX.

NAIL – 46 PSF TO 70 PSF D.P.: 7" O.C. MAX.
NAIL – TO 45 PSF D.P.: 10" O.C. MAX.

DISCLAIMER: The purpose of this installation drawing is to present the manufacturer's recommendations for anchorage (i.e., concrete screws, wood screws, tapping screws, nails and Vulkem Structural Adhesive (or other approved equal) as applicable) to achieve the design pressure specified for the fenestration product as required by the 2003 Florida Building Code (FBC), Section 1709.4.4, 2004 FBC-Building Section 1709.4.4 and the 2004 FBC-Residential, Section R613.5. 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

1 Head - FinFrame
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 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 (N) and Detail A on this drawing and Notes 4.b & 9 on Drawing FLEX20100.

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

Drawing No. FLEX27120
Sheet 1 of 2

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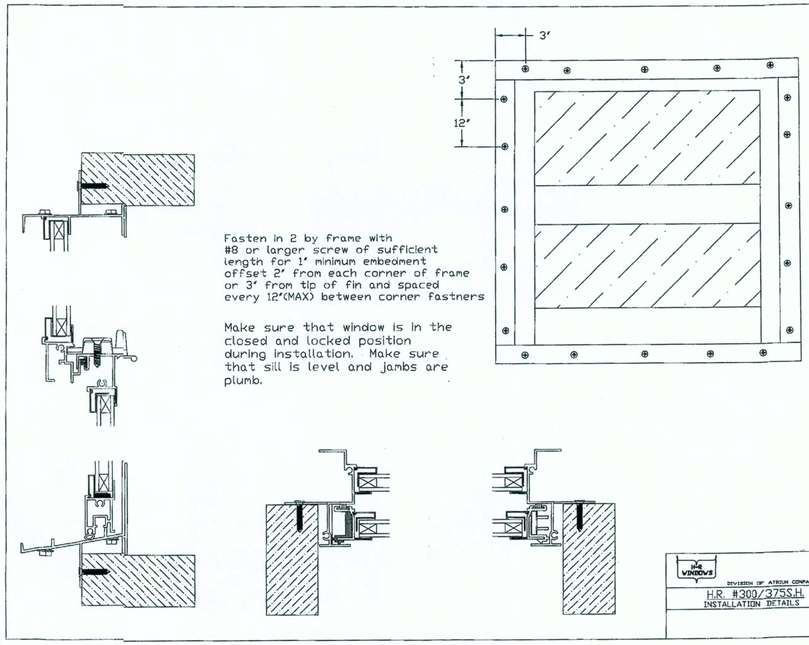
Florida LCA No. 4225

TITLE: Milestone Series 2000 & 2600 Fixed Aluminum Window Non-Impact Resistant Aluminum Frame: Fixed Wood Window Installation to Wood Substrate with Wood Screws or Nails

No.	Date	Revisions	Description
1	12/20/06	JLA	Submitted to FL Dept.
2			
3			
4			

Date: 12/20/06
Scale: NTS
Drawn By: JLA
Checked By: JH



HS WINDOWS
DIVISION OF ATRIUM COMPANIES, INC.
H.R. #300/375S.H.
INSTALLATION DETAILS

REVISIONS :

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

FLORIDA EXTRUDERS
WINDOWS IN FRAME

RELEASE DATE:

SHEET:
3 of 3

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