MONTGOMERY - C

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: ONE STORY

BUILDING MEAN ROOF HEIGHT: 15 FEET, MAX.

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

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

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

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

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

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

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: ONE STORY

BUILDING MEAN ROOF HEIGHT: 15 FEET, MAX.

1TM00601

INDEX OF DRAWINGS : MONC3-125R

SHEET NO.	TITLE	VIVACE FILE NAME
ARCHITECTURAL		
0	COVER SHEET	a_mon3c-125r-000
1	EXTERIOR ELEVATIONS	a_mon3c-125r-001
2	FOUNDATION PLAN	a_mon3c-125r-002
3	FLOOR PLAN	a_mon3c-125r-003
WLI	WINDOW & LINTEL SCHEDULE	a_mon3c-125r-004
3A	INTERIOR ELEVATIONS AND DETAILS	a_mon3c-125r-005
CSU	STANDARD BUILDING SECTIONS	a_mon3c-125r-006
TRI	ROOF TRUSS INFO	a_mon3c-125r-007
RSI	ROOF SHEATHING	a_mon3c-125r-008
ELECTRICAL		
ELI	ELECTRICAL FIRST FLOOR	e_mon3-r-000
ELA	ELECTRICAL DETAILS / LOAD CALCS	e_mon3-r-001
MECHANICAL		
HVA	HVAC REGISTER LAYOUT	m_mon3-r-000
ISO-H	HVAC ISOMETRIC	m_mon3-r-001
PLUMBING		
FPI	PLUMBING UNDERGROUND PLAN	p_mon3-r-000
ISO-P	DWV PLUMBING ISOMETRIC	p_mon3-r-001
ISO-W	CPVC WATER ISOMETRIC	p_mon3-r-002
STANDARD DETAILS		
FTG	STANDARD DETAILS - FOOTINGS	s_mon3-000
WS-BI	STANDARD DETAILS - WALL SECTION	s_mon3-001
SDI	STANDARD DETAILS	s_mon3-002
SDD	STANDARD DETAILS - DOORS	s_mon3-003
SDW	STANDARD DETAILS - WINDOWS	s_mon3-004
SDH	STANDARD DETAILS - HEATING	s_mon3-005

REVISIONS :

1TM00601 ORA
6-1 1TM
12-07-06 REV. CODE INFORMATION

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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 2006 FOR 2005 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, I=1.0, EXPOSURE B, ENCLOSED BUILDING. 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 2006 FOR 125 MPH - 3 SEC. GUST, I=1.0, EXPOSURE B, ENCLOSED BUILDING. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA

COVER SHEET

MONTGOMERY

ELEVATION "C"

GARAGE: RIGHT

125 MPH

DRAWN BY:

RELEASE DATE: 11 / 29 / 04

PLOT DATE: 28 JUN 2007 10:00:59

D:\Houses_05\montgomery\125\monc-125.000

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

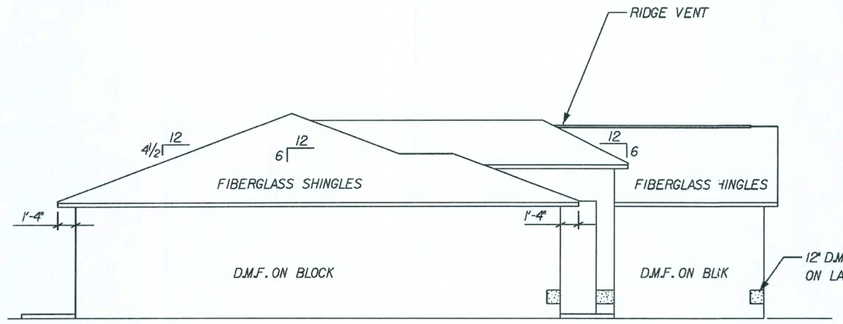
Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

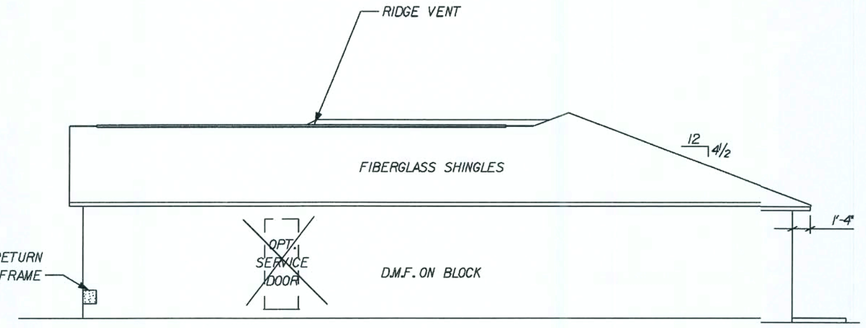
SHEET:
0c

FILE COPY

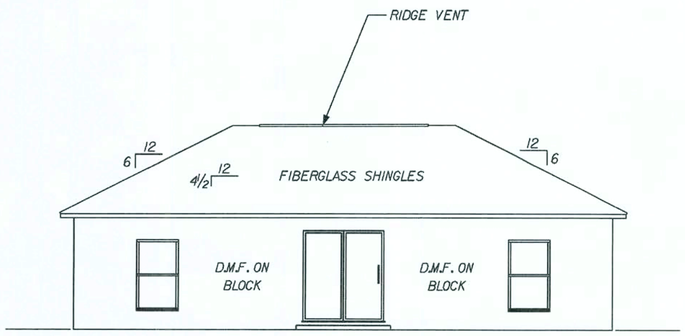
FLORIDA BUILDING CODE 2004 : RESIDENTIAL



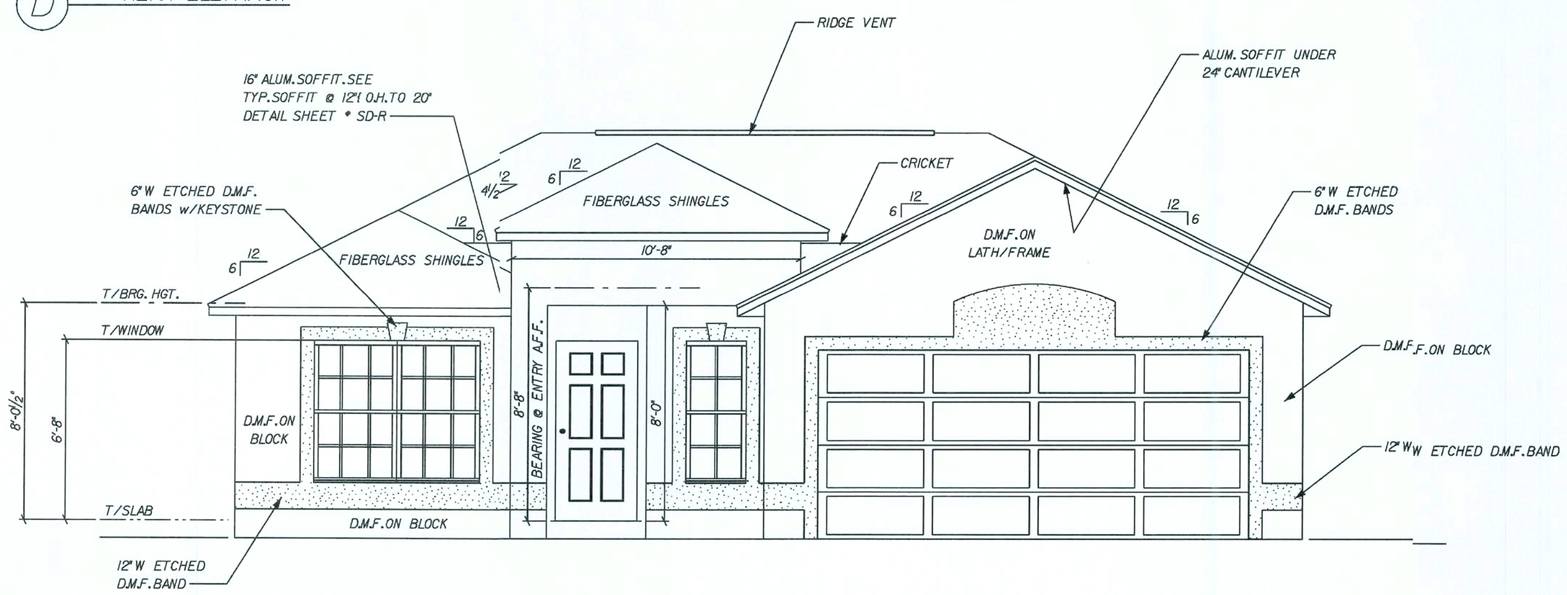
B LEFT ELEVATION



C RIGHT ELEVATION



D REAR ELEVATION

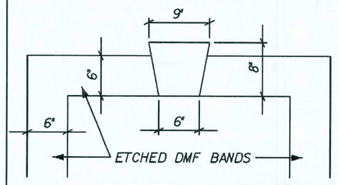


A FRONT ELEVATION

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"

REVISIONS :
03-13-07 REV. GABLE @ GAR. LEFT ELEV.

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

AMERICANA EXT. ELEVATIONS
MONTGOMERY
ELEVATION "C"
GARAGE: RIGHT
DRAWN BY:
RELEASE DATE: 11/02/04

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Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET: 1C

PLOT DATE: 28 JUN 2007 10:01:00 P:\Houses_05\montgomery\sfd\mont-c.001 05

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

GENERAL FOUNDATION NOTES:

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

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

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

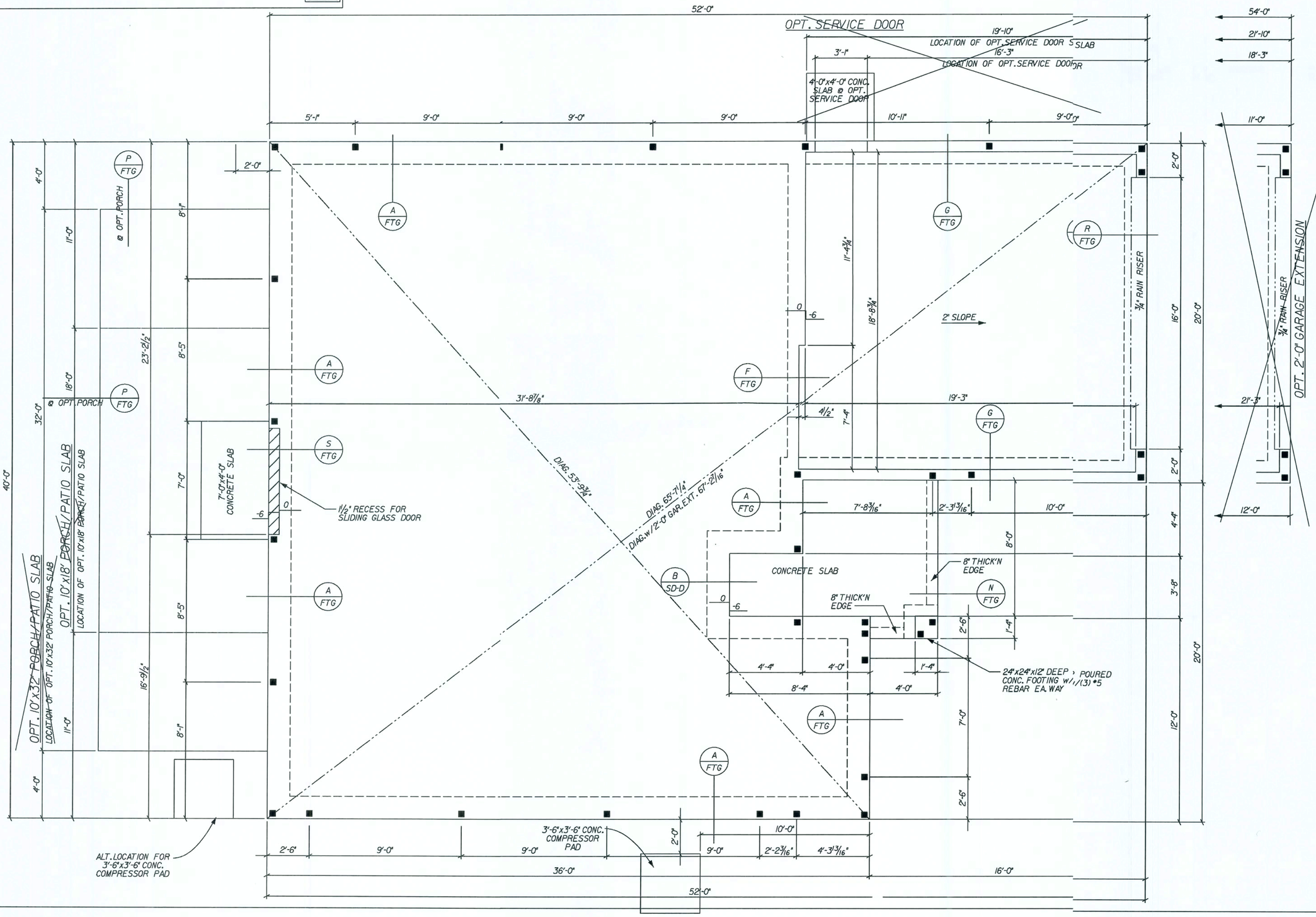
■ - INDICATES FILLED CELL WITH REBAR
□ - INDICATES FILLED CELL WITHOUT REBAR

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

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

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

SEE DRAWING # FP1 FOR UNDERGROUND PLUMBING AND MECH. CHASES FOR LOCATIONS



REVISIONS :
11-20-06 REV. BEDROOM LAYOUT FOR A/C
02-06-07 REV. H FOOTER -> F FOOTER

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

p:\houses_05\montgomery\125\monto-125.002

12-07-06 REV. CODE INFORMATION

AMERICANA | FOUNDATION PLAN

MONTGOMERY

ELEVATION "C"

DRAWN BY: | GARAGE: RIGHT

RELEASE DATE: 11/29/04 | 125 MPH

100403

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Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET:
2C

PLOT DATE: 28 JUN 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 = 8⅝"

EXTERIOR OPENING DIMENSIONS ARE TO FACE OF MASONRY OPENING.

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

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 FILLED WITH SAND FILLED, LUG FILLED PRECAST LINTELS, USE 3000 psi CONCRETE w/ ¾" 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 interupters) 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 # W.I. 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	1312 SQ. FT.	
GARAGE AREA	403 SQ. FT.	443
COVERED ENTRY	84 SQ. FT.	
TOTAL AREA	1799 SQ. FT.	1839

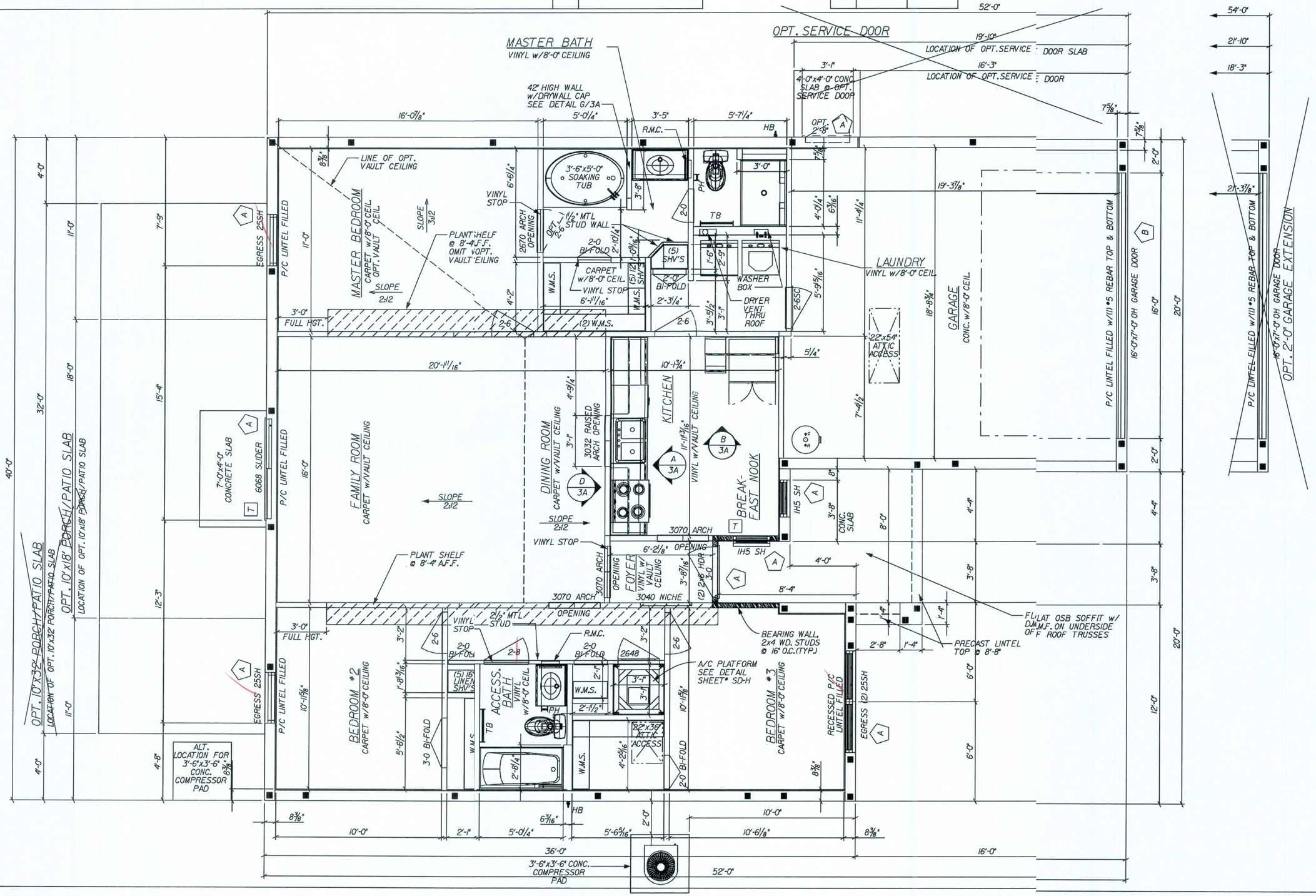
TOTAL AREA w/ 2'-0" GARAGE EXTENSION

OPENING PRESSURES 125mph:

REVISED 02-09-05

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

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



FLORIDA BUILDING CODE 2004 : RESIDENTIAL

REVISIONS :	
11-20-06	REV. BEDROOM LAYOUT FOR A/C
02-15-07	REV. SQUARE FOOTAGE
03-05-07	REV. CLOSET BY A/C TO 2'-1½" W

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FLORIDA:
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GEORGIA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE INTERNATIONAL RESIDENTIAL CODE, 2006 WITH SUPPLEMENT FOR 125 MPH, AND 2003, GUST, I=D, EXPOSURE B, ENCLOSED BUILDING. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

p:\Houses_05\montgomery\125\monte-125.003

12-07-06 REV. CODE INFORMATION

AMERICANA

FLOOR PLAN

MONTGOMERY

ELEVATION "C"

DRAWN BY: GARAGE: RIGHT

RELEASE DATE: 11/02/04 125 MPH

1001-05

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Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET: 3C

PLOT DATE: 28 JUN 2007

FASTENERS SCHEDULE USING 3/16" X 2 1/4" TAPCONS THROUGH BUCK INTO BLOCK

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

WINDOW NOTES

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

ATTENTION

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

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

SERIES 500/502 SGD DOOR OPENINGS

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

SERIES (MO)437 - (FO)438 OPENINGS

SIZE	SINGLE M.O.	FAST.	DOUBLE M.O.	FAST.	SIZE	SINGLE F.O.	FAST.	DOUBLE F.O.	FAST.
25	37 3/4 X 63	2,5							

SINGLE HUNG EYEBROW - SERIES (MO)437 - (FO)438 OPENINGS

SIZE	SINGLE M.O.	FAST.	DOUBLE M.O.	FAST.	SIZE	SINGLE F.O.	FAST.	DOUBLE F.O.	FAST.
1H5	27 1/4 X 63	1,5			1H5	27 1/4 X 63	7		
35	53 1/8 X 63	3,6							

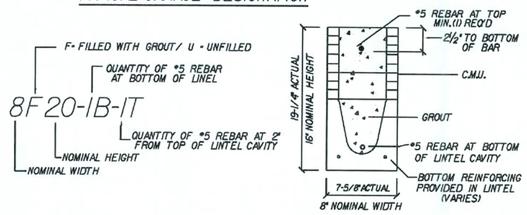
THE SPECIFIED LINTELS ON SHEET WL1 ARE MANUFACTURED BY CAST-CRETE CORP. ALTERNATE MANUFACTURED LINTELS ARE AVAILABLE "BY OTHERS". SOLE AND FULL RESPONSIBILITY IS RETAINED BY THE SUB-CONTRACTOR IN THE SELECTION OF THE ALTERNATE LINTELS AS HAVING EQUAL TO OR GREATER THAN THE ACTUAL GRAVITY AND UPLIFT LOADS, THAT ARE LISTED ON THIS HOUSE SPECIFIC WL1 LINTEL SCHEDULE.

REVISED 04-02-07

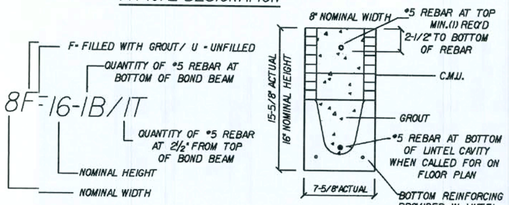
MATERIALS

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.

TYPICAL GARAGE DESIGNATION



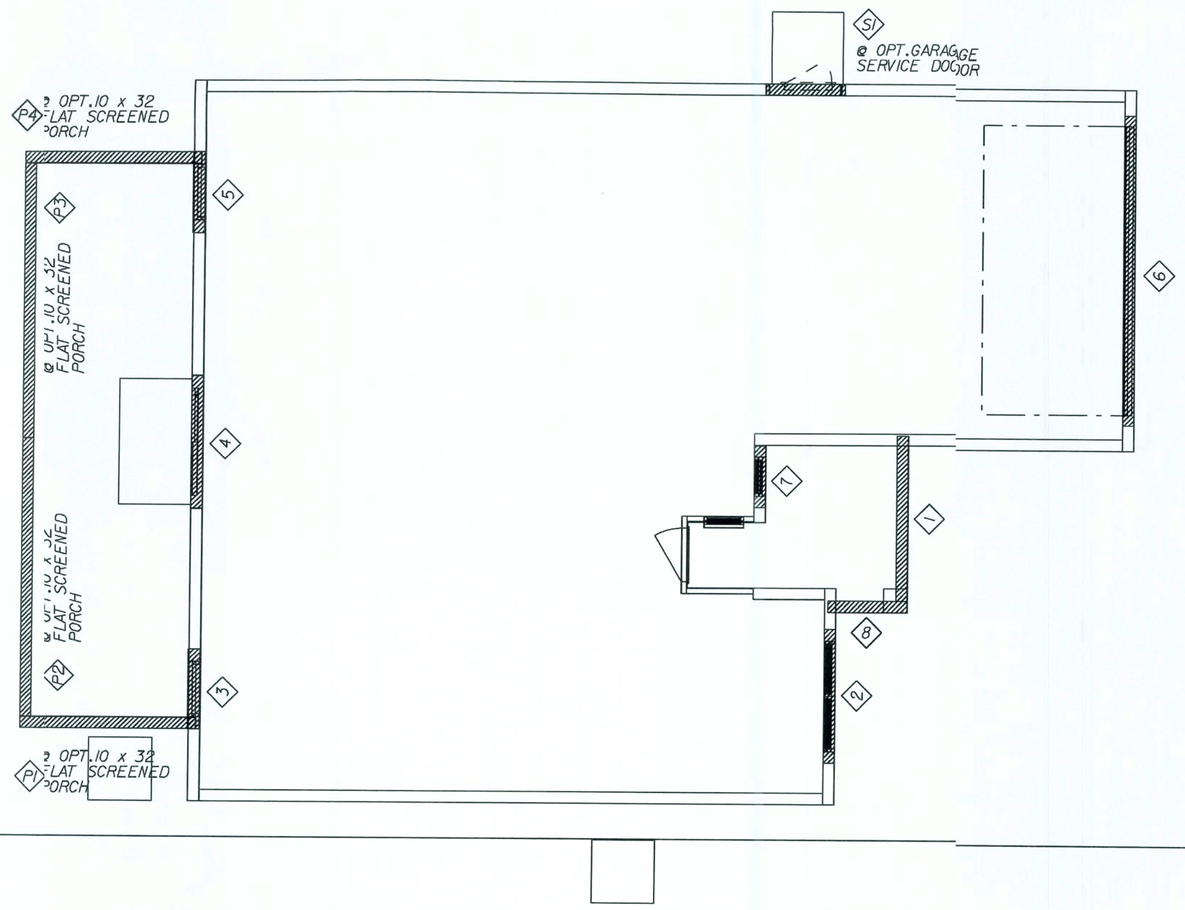
TYPICAL DESIGNATION



REVISED 12/29/04

CAST-CRETE LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF) GRAVITY	APPLIED LOADS (PLF) UPLIFT	SAFE LOADS GRAVITY	SAFE LOADS UPLIFT	COMMENT
1	9'-4"	8IBF8-0B/IT	138	219	2459	1962	-
2	7'-6"	8IBF16-0B/IT	92	166	1599	2724	-
3	4'-6"	8IBF16-0B/IT	92	166	1599	2724	-
4	7'-6"	8IBF16-0B/IT	138	219	1599	2724	-
5	4'-6"	8IBF16-0B/IT	138	219	2632	1634	-
6	17'-4"	8IBF20-1B/IT	138	219	2231	3547	GARAGE DOOR
7	3'-6"	8LBU16-0B/IT	1183	415	2632	1634	-
8	4'-4"	8FBF8-0B/IT	1183	415	2632	1634	-
S1	4'-6"	8LBU16-0B/IT	1183	415	1599	2724	@ OPT. GARAGE SERVICE DR.
P1	10'-6"	8FBF8-0B/IT	33	220	1247	914	@ OPT. PORCH
P2	15'-4"	8FBF8-0B/IT	330	220	412	224	@ OPT. PORCH
P3	15'-4"	8FBF8-0B/IT	330	220	412	224	@ OPT. PORCH
P4	10'-6"	8FBF8-0B/IT	33	220	1247	914	@ OPT. PORCH



REVISIONS:
11-20-06 REV. BEDROOM LAYOUT FOR A/C
12-07-06 REV. CODE INFORMATION

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

FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE INTERNATIONAL RESIDENTIAL CODE, 2003 FOR 125 MPH GUST, I=1.0, EXPOSURE B, ENCLOSED BUILDING, 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 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, I=1.0, EXPOSURE B, ENCLOSED BUILDING, ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

P:\Houses_05\montgomery\25\montc-125.wl1

WINDOW LINTEL SCHEDULE

MONTGOMERY

ELEVATION "C"

DRAWN BY: GARAGE: RIGHT
RELEASE DATE: 11 / 29 / 04 125 MPH

10/01/06

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

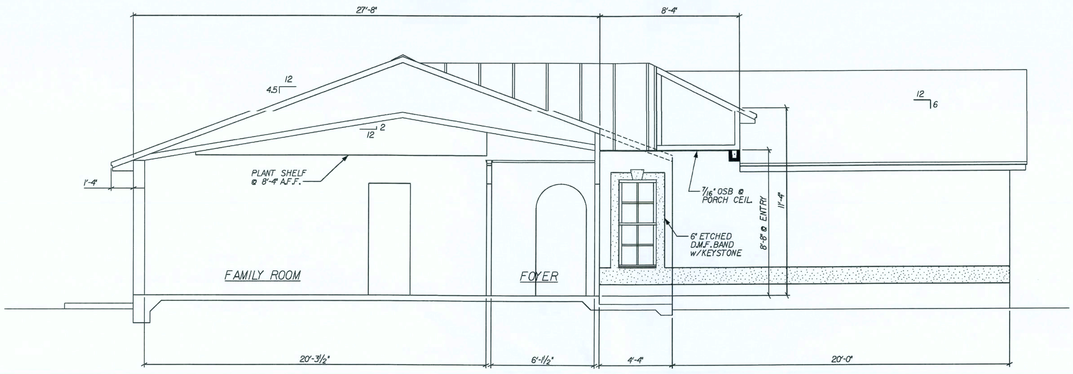
Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET: WL1C

PLOT DATE: 28 JUN 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



CROSS SECTION

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

REVISION: :

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05

p:\1houses_05\montgomery\sfc\cross1.cdu

AMERICANA | BLD.CROSS SECT.

MONTGOMERY

ELEVATION "C"

DRAWN BY: | CARAGE: RIGHT

RELEASE DATE: 11 / 29 / 04

10/0/09

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

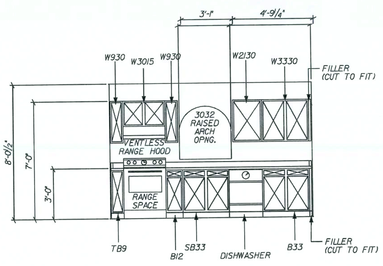
Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

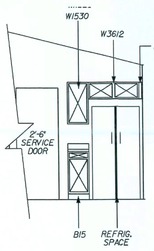
SHEET: CSU

PLOT DATE: 28 JUN 2007

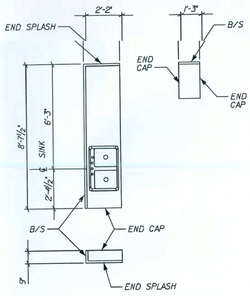
FLORIDA BUILDING CODE 2004 ; RESIDENTIAL



A KITCHEN ELEVATION

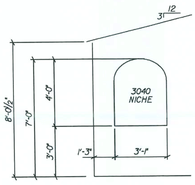


B KITCHEN ELEVATION

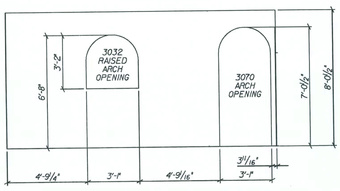


KITCHEN COUNTER TOP PLAN

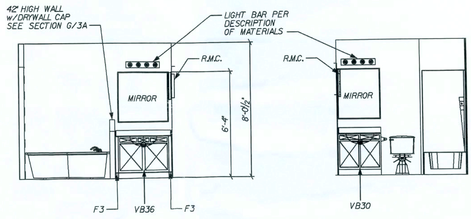
FOR COUNTER TOP CONSTRUCTION ONLY. NOT FOR FIELD USE



C ELEVATION @ NICHE

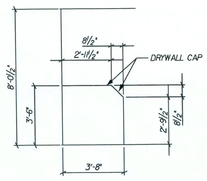


D ELEVATION @ KITCHEN /FAMILY ROOM WALL

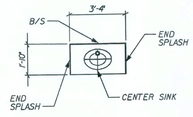


E MASTER BATH ELEVATION

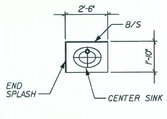
F ACCESS. BATH ELEVATION



G SECTION @ MASTER BATH TUB WALL



MASTER BATH LAV TOP PLAN



ACCESS BATH LAV TOP PLAN

REVISIONS : 1

09-05-06 CLAR. KIT. ARCH. LOCATION
09-16-06 REV.CABINET & RANGE
09-12-06 REV.KITCHEN CABINETS/FILLERS

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AMERICANA | INT.ELEVATIONS

MONTGOMERY

ALL ELEVATIONS

DRAWN BY: | CARAGE: RIGHT

RELEASE DATE: 11 / 29 / 04

10/0/07

SHEET: 3A

PLOT DATE: 28 JUN 2007

FLORIDA BUILDING CODE 2004 ; RESIDENTIAL

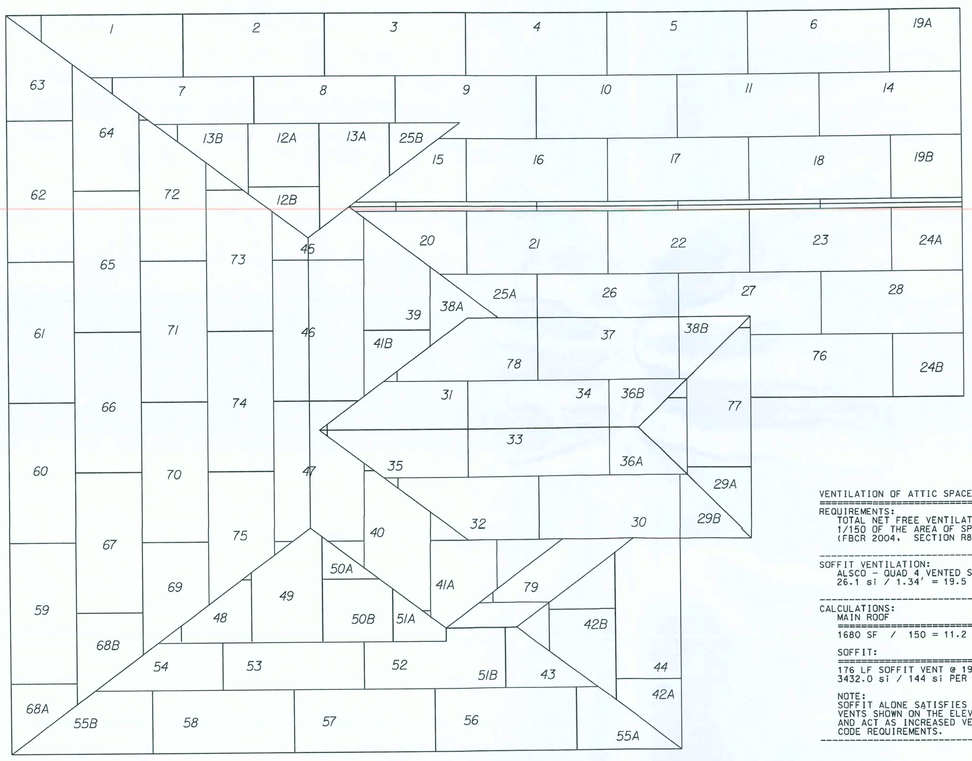
GENERAL ROOF NOTES:

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

REVISED 05-07-07

TOTAL ROOF SHEATHING:

79 SHEETS



VENTILATION OF ATTIC SPACE: MONTGOMERY

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
1680 SF / 150 = 11.2 SF VENTILATION REQUIRED

SOFFIT:
176 LF SOFFIT VENT @ 19.5 si/LF = 3432.0 si
3432.0 si / 144 si PER SF = 23.83 SF ACTUAL

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

REVISIONS:
06-16-06 REVISED VENT. CALCS.
04-02-07 REVISED ROOF LAYOUT

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AMERICANA | ROOF SHEATHING
MONTGOMERY
ELEVATION "C"
DRAWN BY: | GARAGE: RIGHT
RELEASE DATE: 11/29/04
100492

SHEET: RS1c

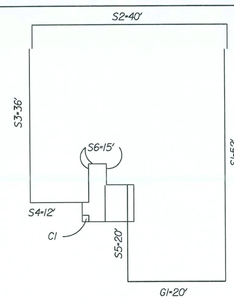
PLOT DATE: 28 JUN 2007

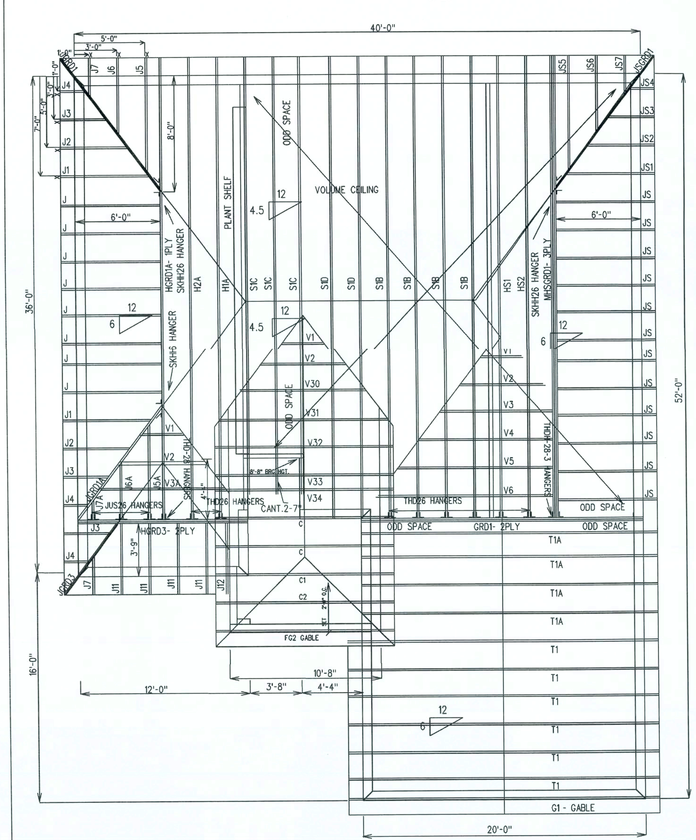
FLORIDA BUILDING CODE 2004 : RESIDENTIAL

GENERAL TRUSS NOTES:

1. INFORMATION BASED ON 125 mph WINDLOAD. ALL PRESSURES WERE CALCULATED USING COMPONENTS AND CLADDING 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 8-25-05





STRUCTURAL WALL SCHEDULE

WALL ID	STUD SIZE & GRADE	STUD SPACING	INSERTION ANCHOR - APPLIED AT OVERTURN ANCHOR - APPLIED AT CORNERS & BOTH SIDES OF OPENINGS: PRODUCT CODE	BOLT TO SLAB SIZE	SPECIAL NOTES	WALL TO SLAB: PRODUCT CODE	SPACING	TOP OF STUD TO PLATE: PRODUCT CODE	SPACING	SHEARWALL SHEATHING: TYPE	NAIL SIZE &SPACING
G1	8" CMU	-	-	-	-	-	-	-	-	-	-
S1 & S2	8" CMU	-	-	-	-	-	-	-	-	-	-
S3 & S4	8" CMU	-	-	-	-	-	-	-	-	-	-
S5	8" CMU	-	-	-	-	-	-	-	-	-	-
S6	2 x 4 #2 SPF	16" o.c.	-	-	-	MS	2 EA.SIDE WALL & 2@ FRONT WALL	RT.5 / RT 3	EACH STUD	7/16" O.S.B.	8d RING SHANK NAIL (SENCO GE34) Plus FDGE Box FIELD
C1	8" CMU	-	-	-	-	-	-	-	-	-	-

TPI-02 TRUSS HARDWARE SCHEDULE 160%

NEW TRUSS ID	OLD TRUSS ID	TRUSS TYPE	QUAN.	UPLIFT LEFT	UPLIFT MID	UPLIFT RIGHT	LEFT STRAP TYPE	LEFT STRAP MAX.	FASTENERS	MID STRAP TYPE	MID STRAP MAX. UPLIFT	FASTENERS	RIGHT STRAP TYPE	RIGHT STRAP MAX. UPLIFT	FASTENERS
HGRDIA	A	I-PLY GIRDER	1	808	—	808	TA 18	1205	(8) 10d X 1½"	—	—	—	THD28	2330	HEADER (28) 16d TRUSS (16) 10d X 1½"
HGRD3	—	2-PLY GIRDER	1	501	—	501	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
GRD1	—	2-PLY HIP GIRDER	1	732	—	519	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
H2A	B	HIP	1	666	—	736	TA 18	1205	(8) 10d X 1½"	—	—	—	THD26	2170	(HEADER (18) 16d TRUSS (12)10d 1-1/2"
H1A	C	HIP	1	725	—	621	TA 18	1205	(8) 10d X 1½"	—	—	—	THD26	2170	(HEADER (18) 16d TRUSS (12)10d 1-1/2"
S1C	D	SCISSOR	3	580	—	696	(2)LTW12	1340	(12) 10d	—	—	—	TA 18	1205	(8) 10d X 1½"
S1D	E	SCISSOR	2	581	—	677	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
S1B	F	SCISSOR	4	609	—	678	TA 18	1205	(8) 10d X 1½"	—	—	—	THD26	2170	(HEADER (18) 16d TRUSS (12)10d 1-1/2"
HS1	G	HIP	1	647	—	717	TA 18	1205	(8) 10d X 1½"	—	—	—	THD26	2170	(HEADER (18) 16d TRUSS (12)10d 1-1/2"
HS2	H	HIP	1	666	—	736	TA 18	1205	(8) 10d X 1½"	—	—	—	THD26	2170	(HEADER (18) 16d TRUSS (12)10d 1-1/2"
WHGRD	I	3-PLY HALF GIRDER	1	808	—	808	TA 18	1205	(8) 10d X 1½"	—	—	—	THDH28-3	2665	(HEADER (28) 16d TRUSS (16)10d 1-1/2"
T1	K	COMMON	6	502	—	502	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
G1	K1	GABLE	1	115	—	112	(2)LPTA @ 48" o.c.	2500	FACE OF GABLE W/ 284 (11) 10d X 1½"	—	—	—			
C	—	STEP-HIP	2	694	—	699	TA 18	1205	(8) 10d X 1½"	—	—	—	LTW12	2515	(12) 10d
C1	U	STEP-HIP	1	724	—	611	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
C2	L2	STEP-HIP	1	656	—	556	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
FG2	L3	FLAT GABLE	1	220	—	254	(2)LPTA @ 48" o.c.	1250	FACE OF GABLE W/ 284 (11) 10d X 1½"	—	—	—			
JGRD1	S	HIP JACK	1	524	—	545	TA 18	1205	(8) 10d X 1½"	—	—	—	SKHH26	2190	HEADER (18) 16d JACK (12) 10d X 1½"
JSGRD1	S1	HIP JACK	1	540	—	525	TA 18	1205	(8) 10d X 1½"	—	—	—	SKHH26	2190	HEADER (18) 16d JACK (12) 10d X 1½"
JGHR3A	—	HIP JACK	1	549	—	540	TA 18	1205	(8) 10d X 1½"	—	—	—	[illegible]		JACK (12) 10d X 1½"
JGRD3	—	CORNER JACK	1	450	—	271	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
J5A	—	CORNER JACK	1	457	311	0	JUS26	1115	(4) 10d HEADER (4) 10d TRUSS	—	—	—	16d NAILS		2 / 2
J6A	—	CORNER JACK	1	328	204	0	JUS26	1115	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J4	T	CORNER JACK	3	159	45	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J7	T1	CORNER JACK	2	254	76	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J7A	—	CORNER JACK	1	115	76	0	JUS26	1115	(4) 10d HEADER (4) 10d TRUSS	—	—	—	16d NAILS		2 / 2
J3	U	CORNER JACK	3	280	116	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J6	U1	CORNER JACK	1	461	203	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J1	W	CORNER JACK	2	500	249	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J	X	END JACK	8	536	271	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 2
J2	Y	CORNER JACK	2	400	188	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 2
J5	Y1	CORNER JACK	1	569	298	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J11	—	CORNER JACK	4	432	183	0	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		3 / 2
J12	—	CORNER JACK	1	555	77	27	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
J5T	Z	CORNER JACK	1	248	65	10	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS6	Z1	CORNER JACK	1	437	182	33	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS5	Z2	CORNER JACK	1	368	137	21	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS4	Z3	CORNER JACK	1	168	26	3	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS3	Z4	CORNER JACK	1	288	79	21	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS2	Z5	CORNER JACK	1	409	134	36	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS1	Z6	CORNER JACK	1	313	90	22	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
JS	Z7	END JACK	12	332	88	41	TA 18	1205	(8) 10d X 1½"	—	—	—	16d NAILS		2 / 2
T1A	—	COMMON	4	406	—	502	TA 18	1205	(8) 10d X 1½"	—	—	—	TA 18	1205	(8) 10d X 1½"
V	V	VALLEY TRUSS SET			—	LTW12 @ 48" o.c.	670	(12) 10d							TOP NAILS / BOTTOM NAILS

ALL HARDWARE MANUFACTURED BY USP XXXX
ALL HARDWARE MANUFACTURED BY SIMPSON XXXX [1]
ALL HARDWARE MANUFACTURED BY CLEVELAND XXXX [2]

REVISIONS:
02-05-07 REV. BEDROOM LAYOUT / FOR A/C
12-07-06 REV. CODE INFORMATION

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 FOR MEMBERS OF SECTION R301 OF THE FLORIDA RESIDENTIAL BUILDING CODE 2004 FOR THE 2005 SUPERMAJORITY PROTECTED BUILDING, ENCLOSED BUILDING, CONNECTORS TO WITHSTAND ALL APPLICABLE UNIFORM LOADS.

AMERICANA | INFOSHEET
MONTGOMERY
ELEV. "C" - VAULT CEIL.
DRAWN BY: | GARAGE: RIGHT | 125 MPH
RELEASE DATE: 11/29/04
100492

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

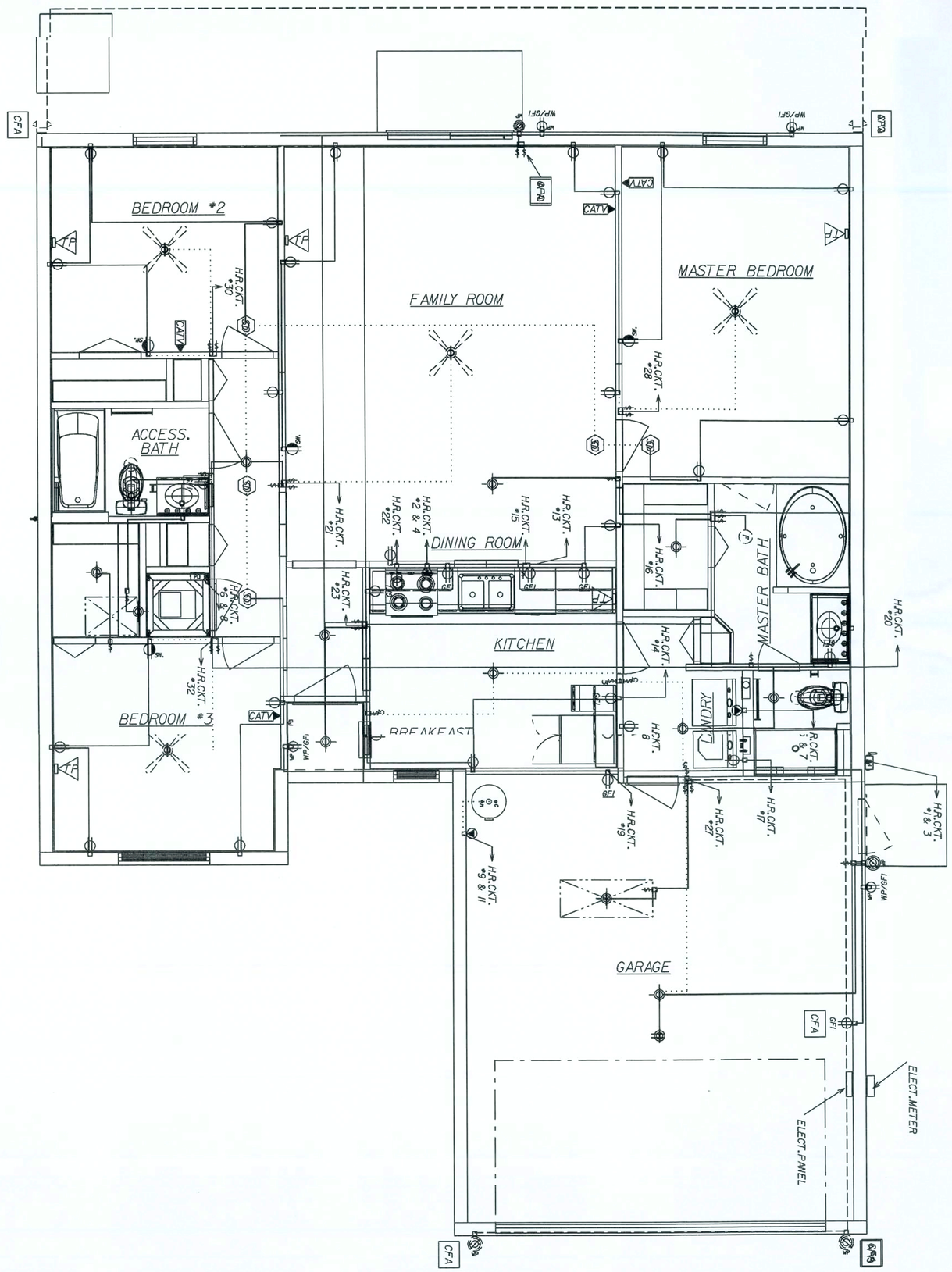
Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET: TR1c

PLOT DATE: 28 JUN 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



GENERAL ELECTRICAL NOTES:

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

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

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

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

REVISED 10-05-06

LIST OF OPTIONS:

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

ELECTRICAL SYMBOL LEGEND:

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

REVISED 03-19-07

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REVISIONS :
02-19-07 ADD SMOKE DETECTOR TO MASTER BEDROOM

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

AMERICANA
ELECTRIC LAYOUT
MONTGOMERY

GARAGE: RIGHT
DRAWN BY: / /
RELEASE DATE:

05

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PLOT DATE: 22 MAR 2007 09:14:03

SHEET: E1

elecitem REPORT

Fri Feb 04 10:29:40 2005
p:*fl*houses 05*montgomery*electrical*mont.ele

QUANTITY	DESCRIPTION
24	1451 Single Pole Switch
1	200 Amp Panel
3	220 V. Special Receptacle
1	ANC U200 - Underground Meter Socket
2	CLN B344A - 3 Gang Box
12	CLN B620H - Octagon Hanger
4	Ceiling Fan (By Others)
1	Deluxe Broadway 2' P3298-10
1	Deluxe Broadway 3' P3299-11
1	Door Bell Buzzer
29	Duplex Receptacle
3	Exhaust Fan
1	Exterior WP Lamp
4	G.F.I. Receptacle
11	H-7T Overhead Light
4	MMWPRC MULTI-MAC MM400C-B WEATHER PROOF RECEPTICAL COVER - OHIO
2	Power Disconnect Switch
57	RAC 7302 - 1 Gang BoX
8	RAC 7835 - 2 Gang Box
1	Rear Door WP Lamp
3	Single Receptacle
5	Smoke Detector
4	Switched Receptacle
5	Telephone Outlet
4	Three Way Switch

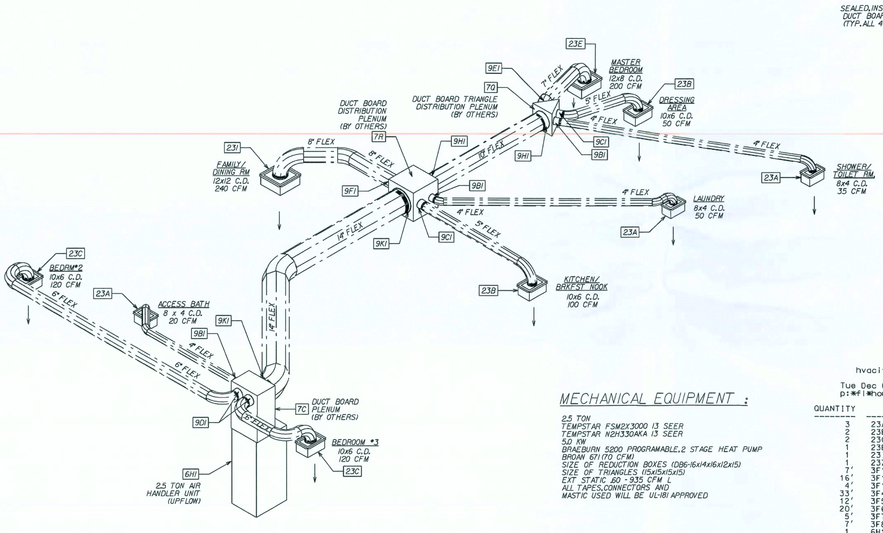
elecinth REPORT

Fri Feb 04 10:29:40 2005
p:*fl*houses 05*montgomery*electrical*mont.ele

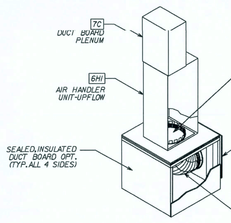
QUANTITY	DESCRIPTION
137'	10 Gauge/3 Cond. Copper
471'	12 Gauge/2 Cond. Copper
1684'	14 Gauge/2 Cond. Copper
289'	14 Gauge/3 Cond. Copper
100'	6 Gauge/3 Cond. Copper

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

* USE WITH 13 SEER EQUIPMENT *



H.V.A.C.LAYOUT ISOMETRIC



RETURN-AIR ISOMETRIC

MECHANICAL EQUIPMENT :

2.5 TON
TEMPSTAR FSM2X3000 13 SEER
TEMPSTAR N2H330AKA 13 SEER
5.0 KW
BRAEBURN 5200 PROGRAMABLE,2 STAGE HEAT PUMP
BRDAN 671(70 CFM)
SIZE OF REDUCTION BOXES (DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)
EXT STATIC &Ø - 935 CFM L
ALL TAPES,CONNECTORS AND
MASTIC USED WILL BE UL-181 APPROVED

hvacitem REPORT

Tue Dec 05 08:05:23 2006
p:\#fl\houses 05\montgomery-112006\hvac\flamonth.htg

QUANTITY	DESCRIPTION		
3	23A	150045.0035	8x4 CEILING BOOT W/4" DIA. COLLAR
2	23B	150045.0036	10x6 CEILING BOOT W/5" DIA. COLLAR
2	23C	150045.0036	10x6 CEILING BOOT W/6" DIA. COLLAR
1	23E	150045.0038	12x8 CEILING BOOT W/7" DIA. COLLAR
1	231	150045.0040	12x12 CEILING BOOT W/8" DIA. COLLAR
1	2321	150045.0046	24x24 R/A TRANSITION BOOT
7'	3F10	150040.0097	10" FOIL FLEX R6
16'	3F14	150040.0099	14" FOIL FLEX R6
4'	3F16	150040.0108	16" FOIL FLEX R6
33'	3F4	150040.0091	4" FOIL FLEX R6
12'	3F5	150040.0092	5" FOIL FLEX R6
20'	3F6	150040.0093	6" FOIL FLEX R6
5'	3F7	150040.0094	7" FOIL FLEX R6
7'	3F8	150040.0095	8" FOIL FLEX R6
1	6H1	150005.0023	FEM2X3000A 13 SEER 2.5 TON AIR HANDLER UNIT
1	6D1	150010.0102	N2H330AKA 13 SEER 2.5 TON CONDENSER
1	7C	150005.0110	19x13x30"H BOX PLENUM
1	7Q	150040.0118	DUCT PLENUM TRIANGLE
1	7R	150040.0111	18" SQUARE DUCT PLENUM
2	81A	150055.0041	24x4 TRANSFER GRILLE
2	81B	150045.0052	24x4 TRANSFER GRILLE FRAME
1	81C	150055.0078	24x8 TRANSFER GRILLE
1	81D	150045.0078	24x8 TRANSFER GRILLE FRAME
1	84A	150055.0032	24x24 RETURN AIR FILTER GRILLE
3	9B1	150040.0075	4" K-COLLAR/ROTH (4KC/413)
2	9C1	150040.0076	5" K-COLLAR/ROTH (5KC/413)
2	9D1	150040.0077	6" K-COLLAR/ROTH (6KC/413)
1	9E1	150040.0078	7" K-COLLAR/ROTH (7KC/413)
1	9F1	150040.0079	8" K-COLLAR/ROTH (8KC/413)
2	9H1	150040.0081	10" K-COLLAR/ROTH (10KC/413)
2	9K1	150040.0083	14" K-COLLAR/ROTH (14KC/413)
2	9N1	150040.0084	16" K-COLLAR/ROTH (16KC/413)

REVISIONS :
5/13/06 REVISED AS PER DRAWINGS T.M
7/13/06 REVISED AS PER DRAWINGS T.M

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE MECHANIC WORK OF THE FLORIDA BUILDING CODE RESIDENTIAL CODE 2004

AMERICANA | HVAC ISOMETRIC
MONTGOMERY-3
3 BEDROOM
DRAWN BY: | GARAGE: RIGHT
RELEASE DATE: 04/11/05 | RM.PIOTROWSKI
16,446
p:\f1\houses.05\montgomery\hvac\flamonth.htg

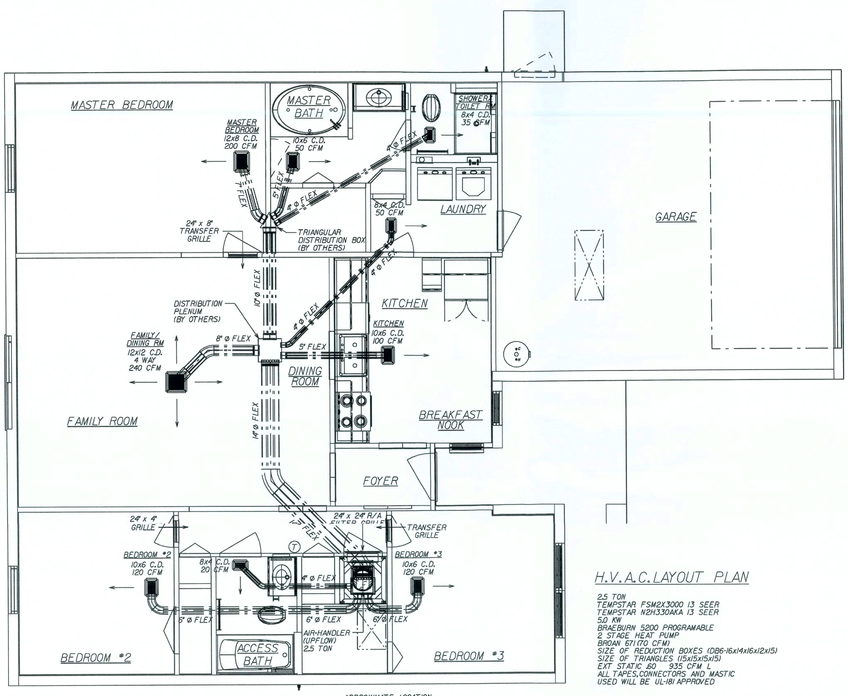
SHEET: ISO-H

PLOT DATE: 06 SEP 2007

FLORIDA BUILDING CODE 2004 ;RESIDENTIAL

13 DRAWING WAS CREATED BY USING THE AMERICAN WOOD SOFTWARE AND HAS BEEN REFERENCED BY 3d.ub.3i.#f.ub.1f.ub.ub.11 AND 11.

* USE WITH 13 SEER EQUIPMENT *



H.V.A.C.LAYOUT PLAN

2.5 TON
TEMPSTAR FSM2X3000 13 SEER
TEMPSTAR N2H330AKA 13 SEER
5.0 KW
BRAEBURN 5200 PROGRAMABLE
2 STAGE HEAT PUMP
BRDAN 671(70 CFM)
SIZE OF REDUCTION BOXES (DB6-16x14x16x12x15)
SIZE OF TRIANGLES (15x15x15x15)
EXT STATIC &Ø - 935 CFM L
ALL TAPES,CONNECTORS AND MASTIC
USED WILL BE UL-181 APPROVED

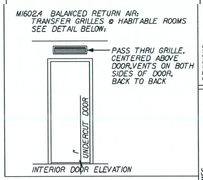
GENERAL MECHANICAL NOTES:

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

SEE ELECTRIC PLANS FOR EXHAUST FAN LOCATIONS IN BATH AREAS.

SEE FLOOR PLAN FOR CLOTHES DRYER VENT LOCATION.

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



REVISIONS :
1/24/05 REMOVED E.WEST NOTE
06/22/06 REVISED A.C. PER DRAWINGS T.M
12/20/06 REVISED A.C. PER DRAWINGS T.M

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FLORIDA
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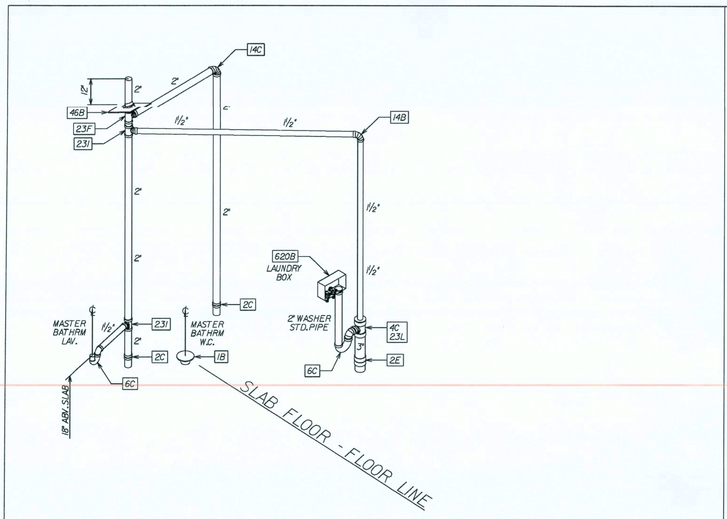
AMERICANA | RGISTER LAYOUT
MONTGOMERY-3
DRAWN BY: | GARAGE: RIGHT
RELEASE DATE: 04/11/05 | RM.PIOTROWSKI
16,445
p:\f1\houses.05\montgomery\hvac\flamonth.htg

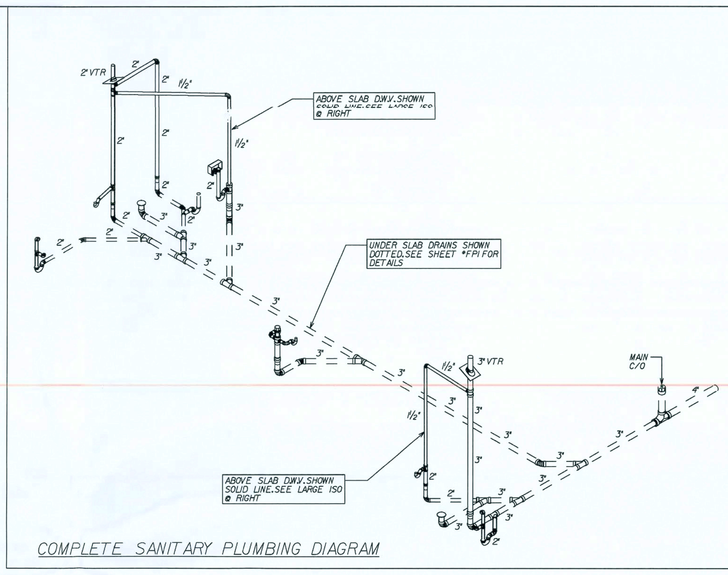
SHEET: HVA

PLOT DATE: 06 SEP 2007

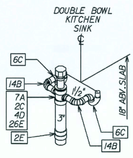
FLORIDA BUILDING CODE 2004 ;RESIDENTIAL

13 DRAWING WAS CREATED BY USING THE AMERICAN WOOD SOFTWARE AND HAS BEEN REFERENCED BY 3d.ub.3i.#f.ub.1f.ub.ub.11 AND 11.

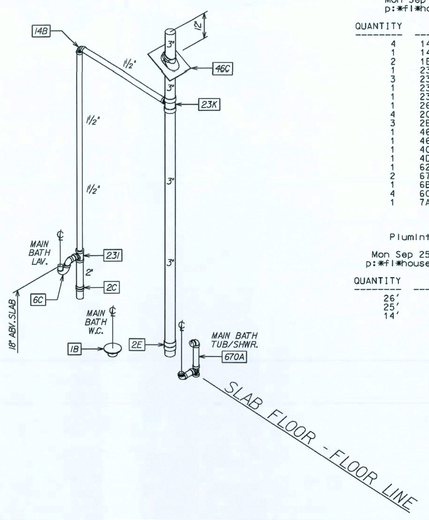




COMPLETE SANITARY PLUMBING DIAGRAM



D.W.V. PLUMBING ISOMETRIC



plumitem REPORT

Mon Sep 25 16:43:45 2006
p:#fl#houses 05#montgomery#plumbing#montp.plm

QUANTITY		DESCRIPTION	
4	14B	130005.0013	1.5" PVC 90 ELBOW
1	14C	130005.0041	2" PVC 90 ELBOW
2	1B	130005.0099	4"X3" CLOSET FLANGE
1	23F	130005.0048	2" PVC TEE
3	23I	130005.0034	2"x2"x1.5 PVC TEE
1	23K	130005.0056	3"x3"x1.5" PVC TEE
1	23L	130005.0062	3"x3"x2" PVC TEE
1	26E	130005.0132	3"x3"x1.5"x1.5" DOUBLE TEE
4	2C	130005.0043	2" PVC COUPLING
3	2E	130005.0068	3" PVC COUPLING
1	46B	130050.0125	2" NEOPRENE ROOF FLASHING
1	46C	130050.0028	3" NEOPRENE ROOF FLASHING
1	4C	130005.0054	3x1.5 FTG FL BUSHING
1	4D	130005.0059	3x2 FTG FL BUSHING
1	620B	130035.0027	Laundry Box Right
2	670A	130005.0105	1 1/2" WATCO TUB OVERFLOW ASSEMBLY
1	6B	130005.0046	2" P-TRAP
4	6C	130005.0107	1.5"x1.25" P-TRAP W/UNION JT
1	7A	130005.0160	1.25-2" STUDOR MINI-VENT

Pluminth REPORT

Mon Sep 25 16:43:45 2006
p:#fl#houses 05#montgomery#plumbing#montp.plm

QUANTITY	DESCRIPTION	
26'	130005.0023	1.5" PIPE
25'	130005.0047	2" PVC PIPE
14'	130005.0072	3" PVC PIPE

REVISIONS :
09/26/06 REV.KITCHEN SINK ASSEM.-TJM

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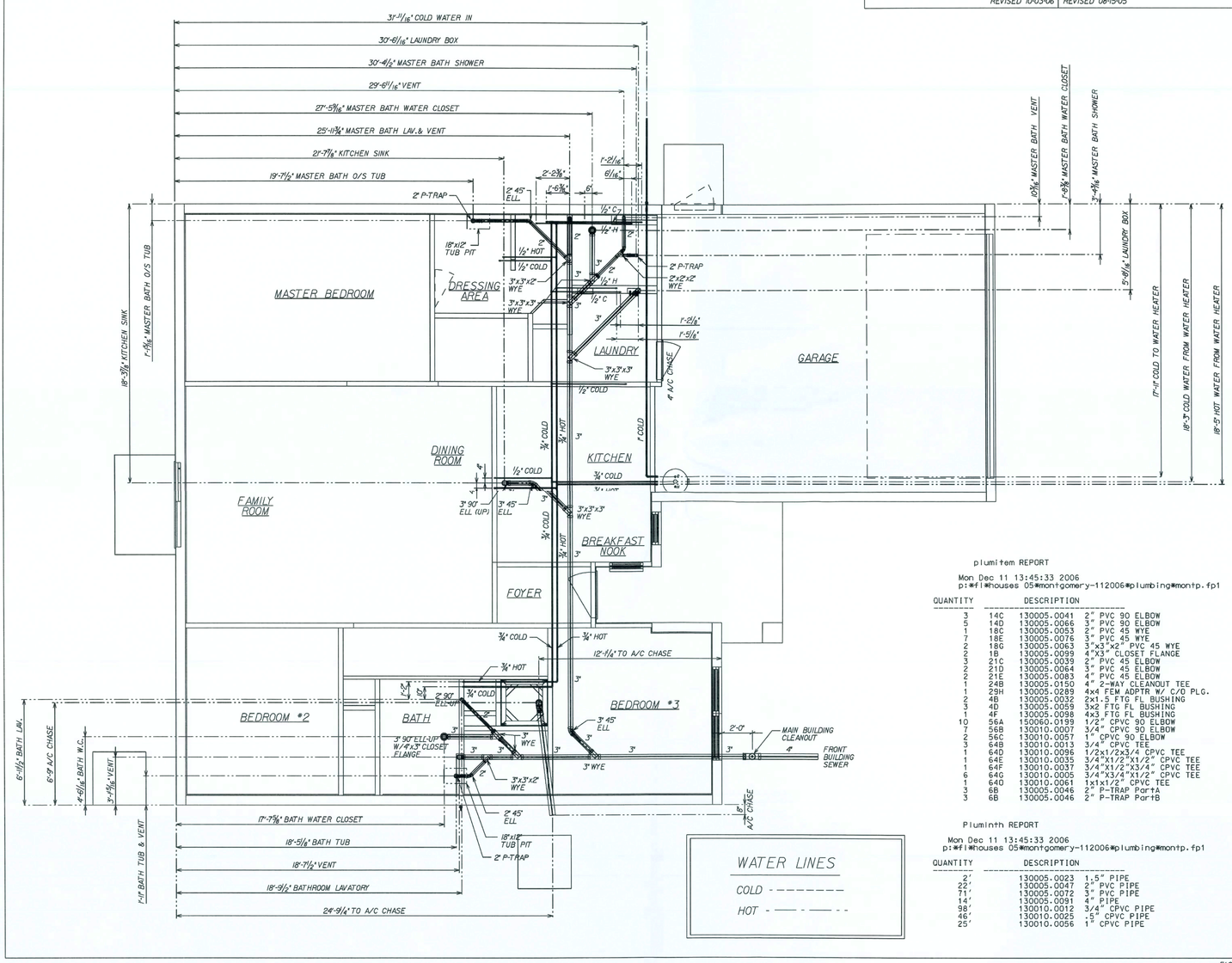
AMERICANA | DWV PLUMBING ISO
MONTGOMERY-3
DWV. PLUMBING ISOMETRIC
DRAWN BY: | GARAGE: RIGHT | RLW/PATRONSKI
RELEASE DATE: 09/5/01
p:\houses_05\montgomery\plumbing\montp.iso
05
SHEET: ISO-P
PLOT DATE: 22 MAR 2007

FLORIDA BUILDING CODE 2004 ; RESIDENTIAL

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

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



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

plumitem REPORT

Mon Dec 11 13:45:33 2006
p:#fl#houses 05#montgomery-112006#plumbing#montp.fp1

QUANTITY		DESCRIPTION	
3	14C	130005.0041	2" PVC 90 ELBOW
5	14D	130005.0066	3" PVC 90 ELBOW
1	18C	130005.0053	2" PVC 45 WYE
7	18E	130005.0076	3" PVC 45 WYE
2	18G	130005.0063	3"x3"x2" PVC 45 WYE
2	1B	130005.0099	4"X3" CLOSET FLANGE
3	21C	130005.0039	2" PVC 45 ELBOW
2	21D	130005.0064	3" PVC 45 ELBOW
2	21E	130005.0083	4" PVC 45 ELBOW
1	24B	130005.0150	4" 2-WAY CLEANOUT TEE
1	29H	130005.0289	4x4 FEM ADPTR W/ C/O PLG.
2	4B	130005.0032	2x1.5 FTG FL BUSHING
3	4D	130005.0059	3x2 FTG FL BUSHING
1	4E	130005.0098	4x3 FTG FL BUSHING
10	56A	150060.0199	1/2" CPVC 90 ELBOW
7	56B	130010.0007	3/4" CPVC 90 ELBOW
2	56C	130010.0057	1" CPVC 90 ELBOW
3	64B	130010.0013	3/4" CPVC TEE
1	64D	130010.0096	1/2x1/2x3/4 CPVC TEE
1	64E	130010.0035	3/4"X1/2"X1/2" CPVC TEE
1	64F	130010.0037	3/4"X1/2"X3/4" CPVC TEE
6	64G	130010.0005	3/4"X3/4"X1/2" CPVC TEE
1	64O	130010.0061	1x1x1/2" CPVC TEE
3	6B	130005.0046	2" P-TRAP PartA
3	6B	130005.0046	2" P-TRAP PartB

Pluminth REPORT

Mon Dec 11 13:45:33 2006
p:#fl#houses 05#montgomery-112006#plumbing#montp.fp1

QUANTITY	DESCRIPTION	
2'	130005.0023	1.5" PIPE
22'	130005.0047	2" PVC PIPE
71'	130005.0072	3" PVC PIPE
14'	130005.0091	4" PIPE
98'	130010.0012	3/4" CPVC PIPE
46'	130010.0025	.5" CPVC PIPE
25'	130010.0056	1" CPVC PIPE

REVISIONS :
09/11/06 REV.CLEANOUT & BOM LIST TJM
02/04/06 REVISED A/C CHASE & BOM TJM

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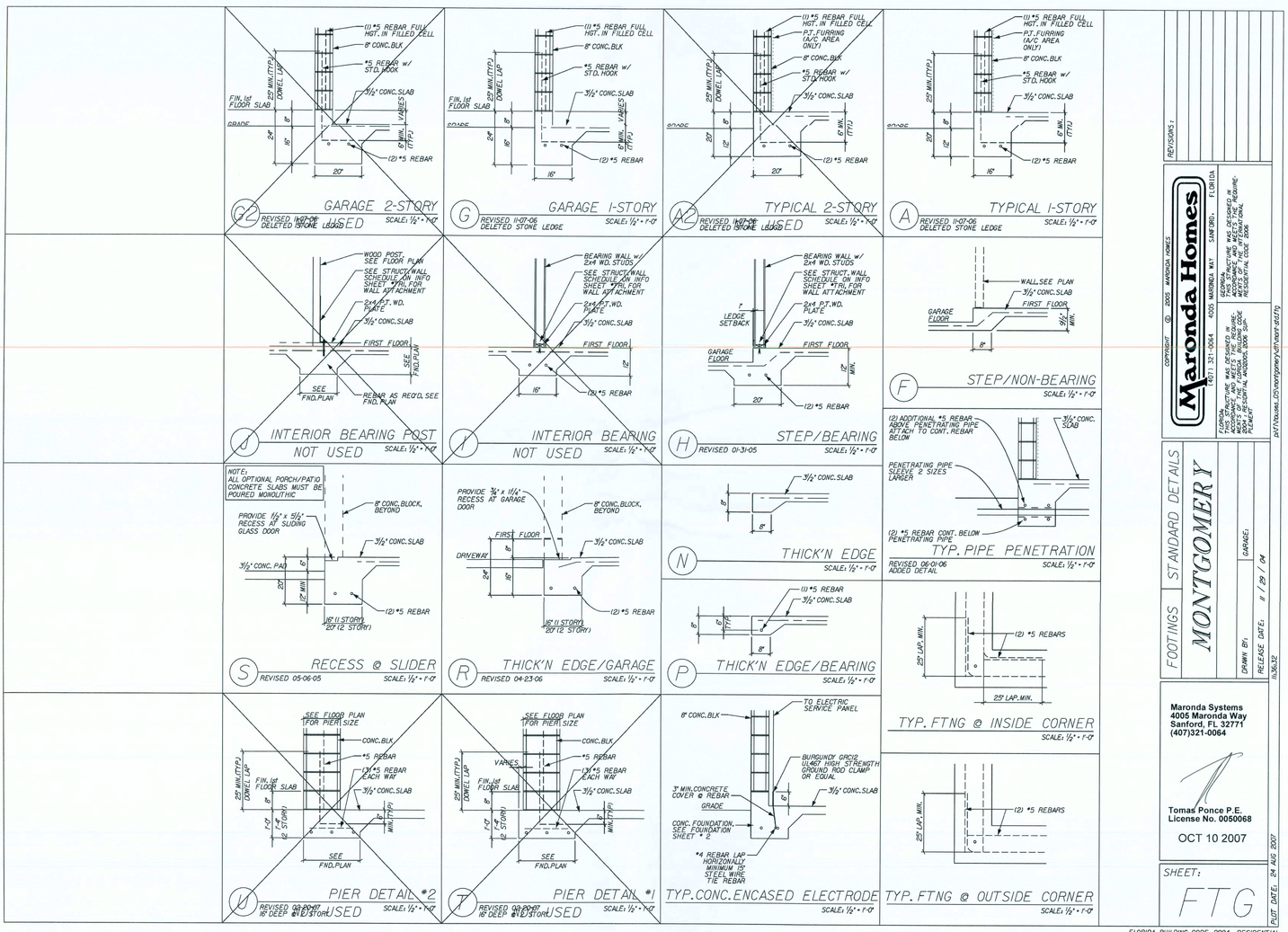
AMERICANA
MONTGOMERY-3
UNDERGROUND PLUMBING
DRAWN BY: | GARAGE: RIGHT | R.PATRONSKI
RELEASE DATE: 09/5/01
p:\houses_05\montgomery\plumbing\montp.fp1
05
SHEET: FPI
PLOT DATE: 22 MAR 2007

FLORIDA BUILDING CODE 2004 ; RESIDENTIAL



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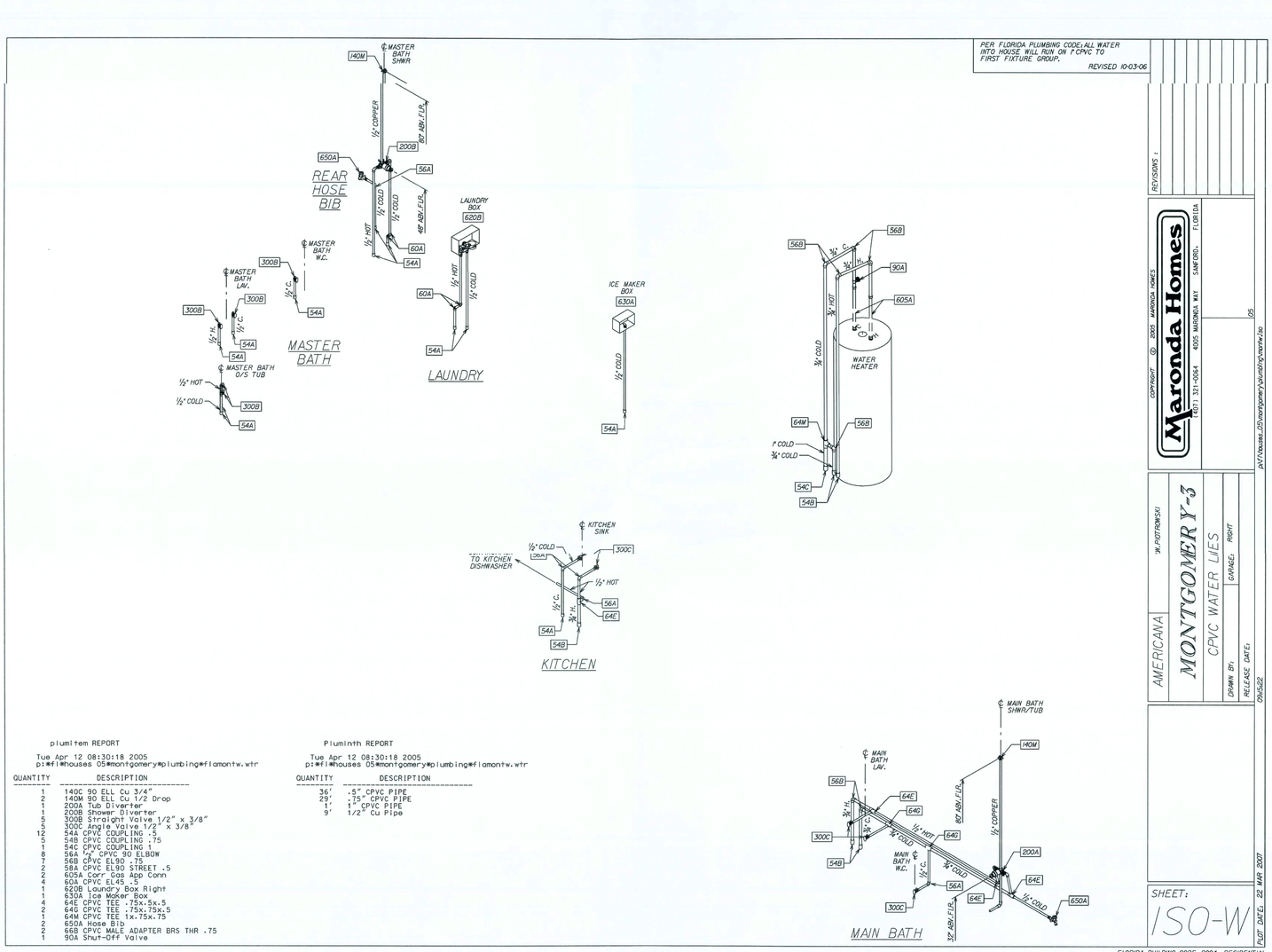
FOOTINGS | STANDARD DETAILS
MONTGOMERY
DRAWN BY: | GARAGE:
RELEASE DATE: 11 / 29 / 04

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

Tomas Ponce P.E.
License No. 0050068
OCT 10 2007

SHEET:
FTG

PLOT DATE: 24 AUG 2007



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REVISIONS :

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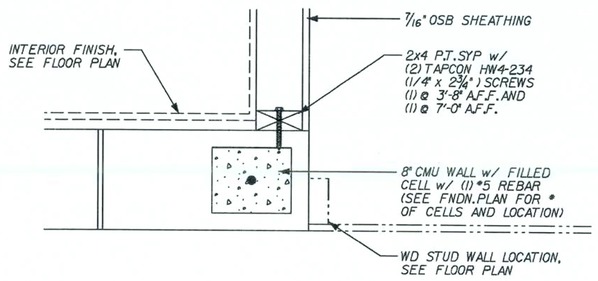
AMERICANA | 1K-PLOTRONSKI
MONTGOMERY-3
CPVC WATER LINES
DRAWN BY: | GARAGE: RIGHT
RELEASE DATE:

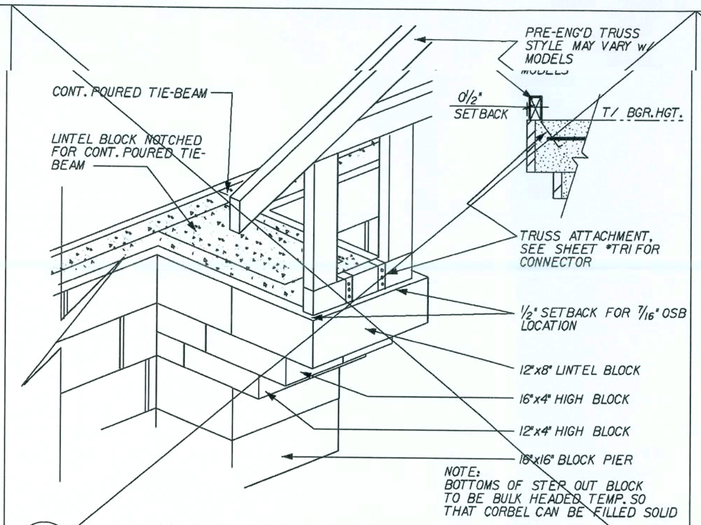
SHEET:
ISO-W

PLOT DATE: 22 MAR 2007



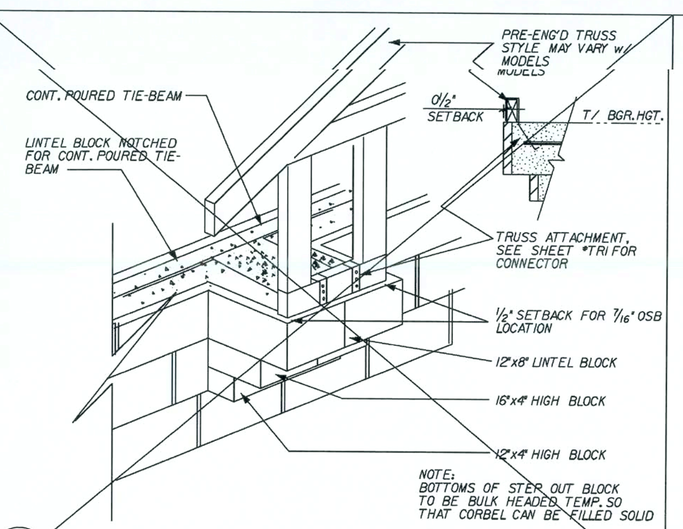
J — EXTERIOR WOOD FRAME TO BLOCK

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



F — 16" SQ. BLOCK PIER w/ BLOCK CORBEL ISO

SCALE: N.T.S.

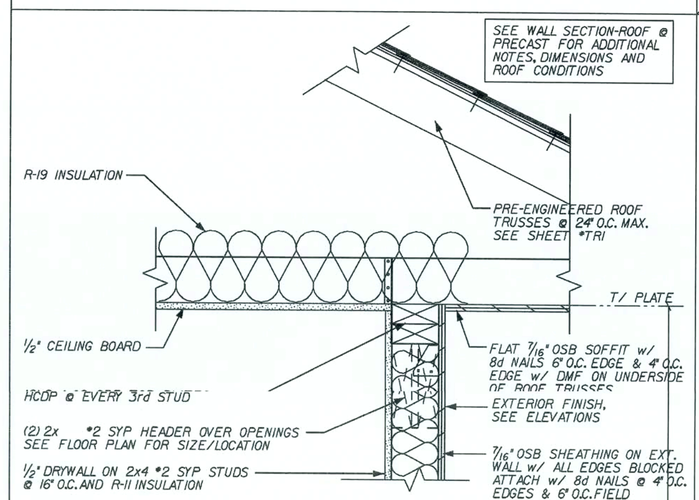


E — BLOCK CORBEL ISO

SCALE: N.T.S.

NOT USED

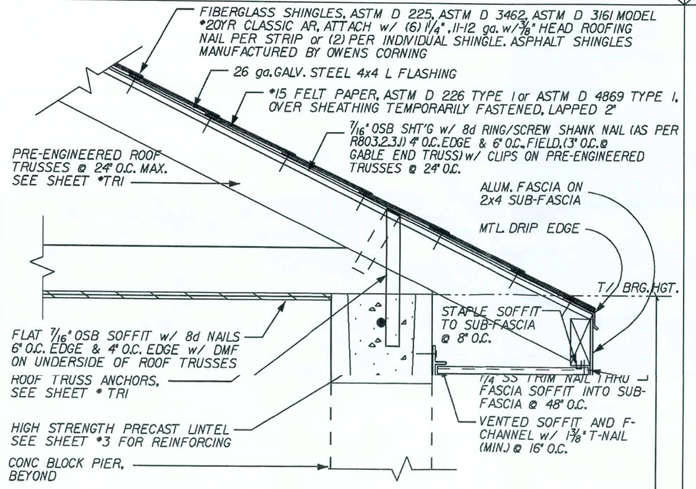
NOT USED



H — WALL SECTION-ROOF @ WD. FRAME/ F. PORCH

REVISED 06-02-05

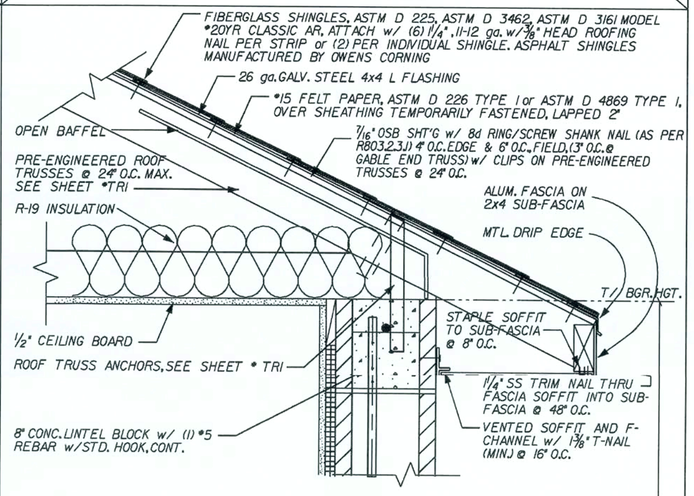
SCALE: 1 1/2" = 1'-0"



D — WALL SECTION-ROOF @ PRECAST/FRONT PORCH

REVISED 05-02-07 - OSB ROOF NAIL TYPE

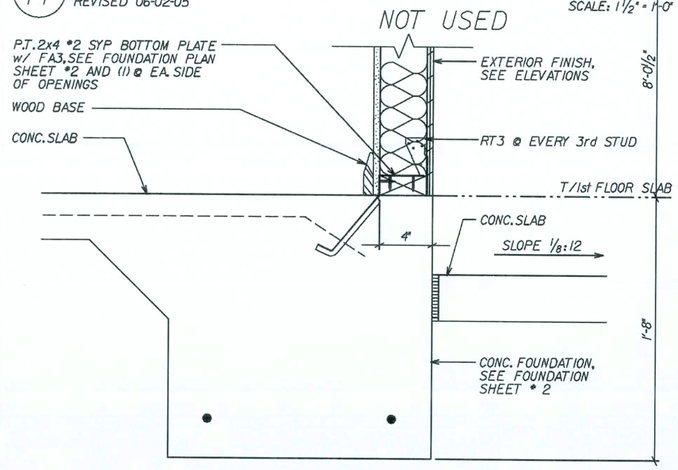
SCALE: 1 1/2" = 1'-0"



B — WALL SECTION-ROOF @ BLOCK

REVISED 05-02-07 - OSB ROOF NAIL TYPE

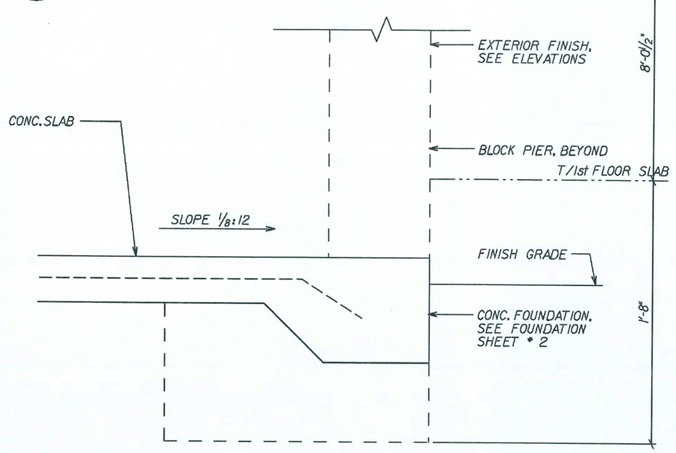
SCALE: 1 1/2" = 1'-0"



G — WALL SECTION-FOUNDATION @ WOOD FRAME

REVISED 10-25-04

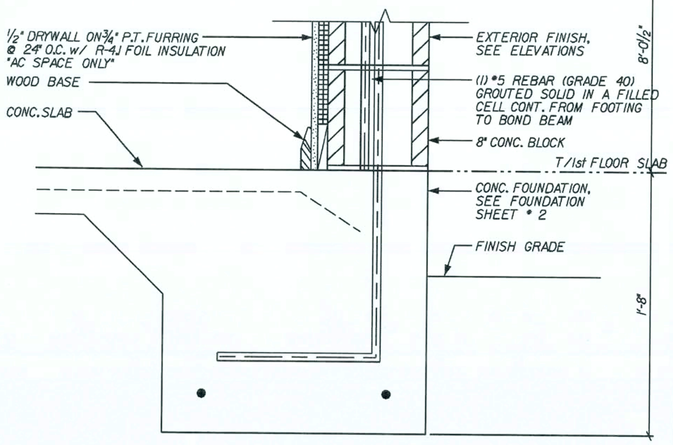
SCALE: 1 1/2" = 1'-0"



C — WALL SECTION-FOUNDATION @ FRONT PORCH

REVISED 04-22-05

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



A — WALL SECTION-FOUNDATION @ BLOCK

REVISED 02-19-07 FOIL INSUL TO R-4.1

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

REVISIONS :

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

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

ONE STORY — WALL SECTION

MONTGOMERY

GARAGE:

DRAWN BY:

RELEASE DATE: 11 / 29 / 04

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

Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET:

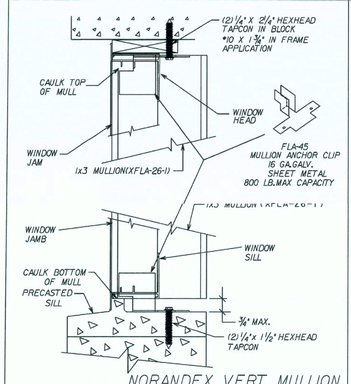
WS-B1

PLOT DATE: 24 AUG 2007 11:36:32

p:\Y:\houses_05\montgomery\dfl\std_ws-b1.swx

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

THIS DRAWING WAS PRODUCED BY USING THE 1 AMERICAN WINCAD SOFTWARE AND HAS BEEN REVIEWED BY SE, US, SI, MF, JG, IT, ED, UIT AND TI.

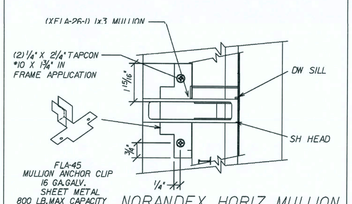


NORANDEX VERT. MULLION CLIP STYLE FLA-45

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

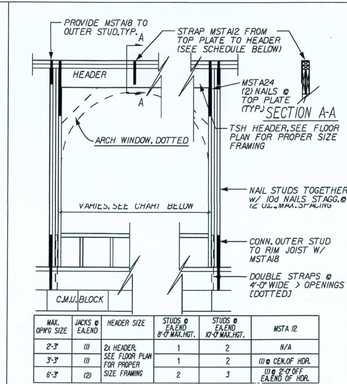
CONTRACTOR NOTE:
FOR INSTALLATION SIZES OF NORANDEX WINDOW SERIES 437/438 UP TO 53 1/8" x 76 3/8" AS PER TEST *96-0624.20

STANDARD WINDOW DETAILS IN BLOCK WALLS UP TO 10 FEET HIGH



NORANDEX HORIZ. MULLION CLIP STYLE FLA-45

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

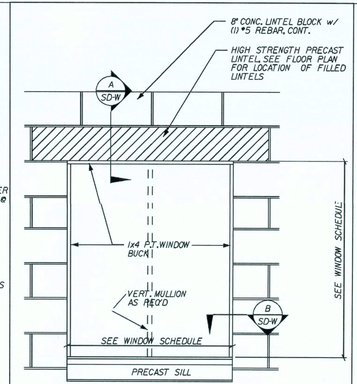


MAX. OPNG SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10'-0" MAX.HGT.	MSTA 12
2'-3"	(1)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	1	2	N/A
3'-3"	(1)		1	2	(1) @ CENLOF HDR.
6'-3"	(2)		2	3	(1) @ 2'-0" OFF EA.END OF HDR.

K TYP.HEADER DETAIL-2ND FLOOR FRAMING

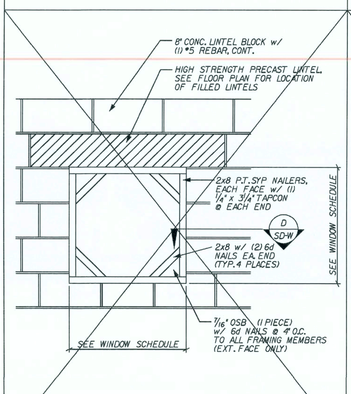
REVISED 06-06-07 : PER WALL PANELS

SCALE: N.T.S.



J WINDOW-STANDARD-BLK

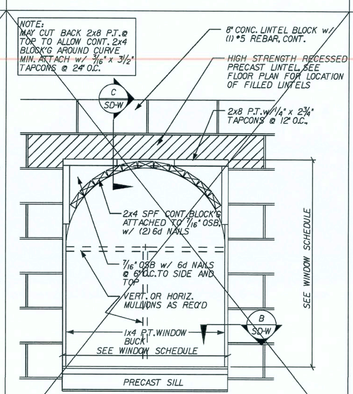
SCALE: 3/4" = 1'-0"



H WINDOW-OCTAGON-BLK

NOT USED

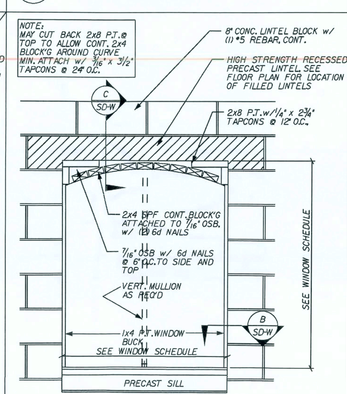
SCALE: 3/4" = 1'-0"



G WINDOW-1/2 ROUND TOP-BLK

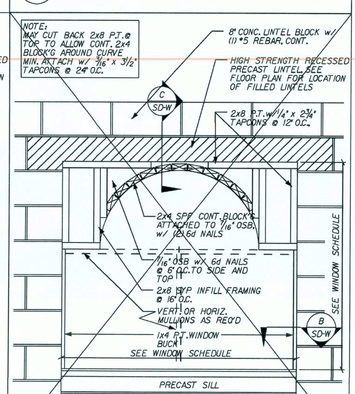
NOT USED

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



F WINDOW-EYEBROW-BLK

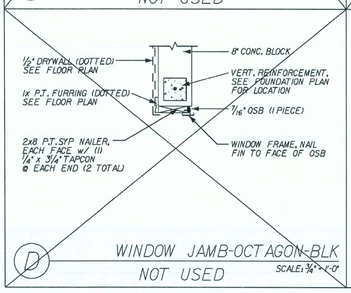
SCALE: 3/4" = 1'-0"



E WINDOW-COMBINATION-BLK

NOT USED

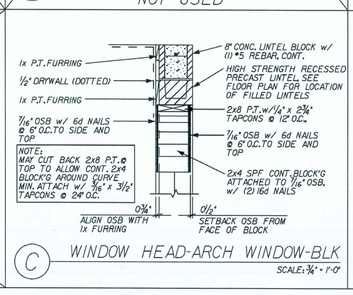
SCALE: 3/4" = 1'-0"



D WINDOW JAMB-OCTAGON-BLK

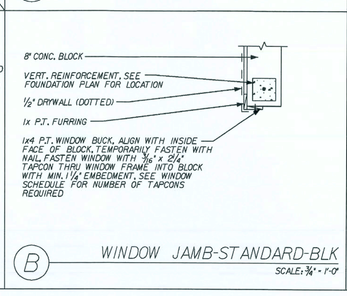
NOT USED

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



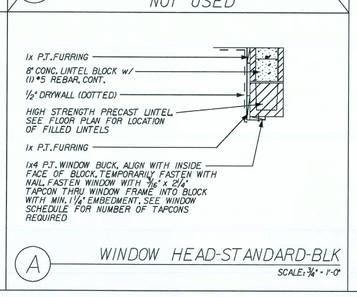
C WINDOW HEAD-ARCH WINDOW-BLK

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 :

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

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GEORGIA
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RESIDENTIAL CODE 2006

p:\17\houses.25\montgomery\dwf\d5_windows.dwg

WINDOWS STANDARD DETAILS

MONTGOMERY

DRAWN BY: GARAGE:

RELEASE DATE: 11/29/04

11:36:34

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

Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET:

SD-W

PLOT DATE: 24 AUG 2007

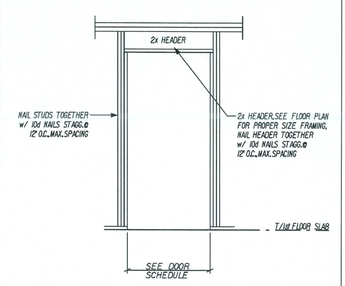
DOOR SCHEDULE

REVISED 02-15-07
83 3/4" > 82 3/8"

DOOR TYPE	ACTUAL SIZE	ROUGH FRAME OPENING	ROUGH BLOCK OPENING 2" BUCK
2-0 STANDARD I.S.	2'-0 1/2" x 80 3/8"	28" x 80 1/8"	29" x 82 3/8"
2-8 STANDARD I.S.	3'-1 1/2" x 80 3/8"	34" x 80 1/8"	37" x 82 3/8"
2-10 STANDARD I.S.	3'-1 1/2" x 80 3/8"	36" x 80 1/8"	39" x 82 3/8"
3-0 STANDARD I.S.	3'-1 1/2" x 82"	38" x 82 1/4"	41" x 82 3/8"
3-0 w/SIDELIGHT I.S.	5'-1/8" x 82"	5 5/8" x 82 1/4"	5 5/8" x 82 3/8"
3-0 w/(2) SIDELIGHT I.S.	6'-4 1/2" x 82"	65" x 82 1/4"	68" x 82 3/8"
5-8 (2)2-10 FRENCH I.S.	7'-10 1/2" x 80 3/8"	77" x 80 1/8"	7'-4" x 82 3/8"

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

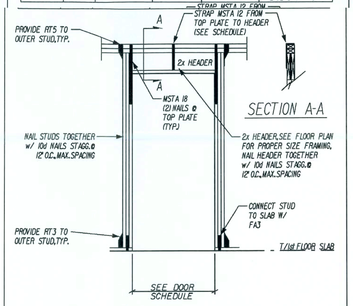
MAX. OPNG SIZE	JACKS @ EA.END	HEADER SIZE	STUDS @ EA.END 8'-0" MAX.HGT.	STUDS @ EA.END 10'-0" MAX.HGT.	
2'-3"	(1)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	1	2	
3'-3"	(1)		2	2	
6'-3"	(1)		2	3	



K STD.DOOR - WD FRAME,NO-UPLIFT

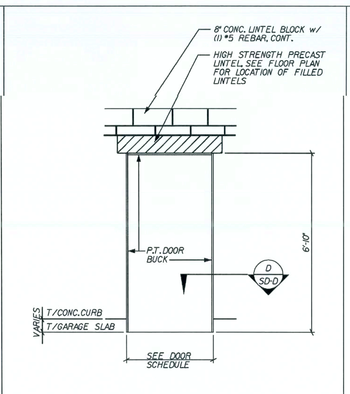
SCALE: N.T.S.

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



J STD.DOOR - WD FRAME,UPLIFT

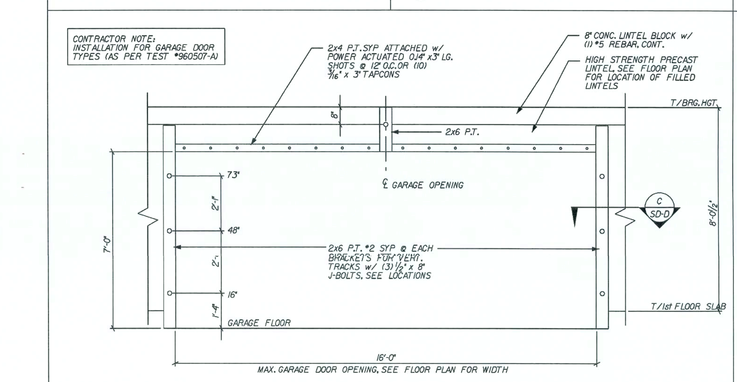
SCALE: N.T.S.



H OPTIONAL SERVICE DOOR

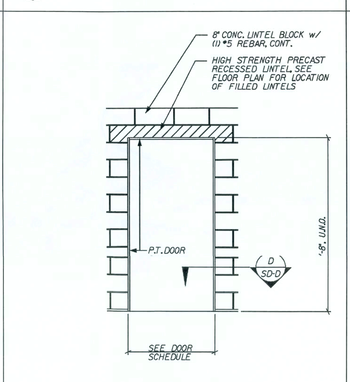
REVISED 08-12-04

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



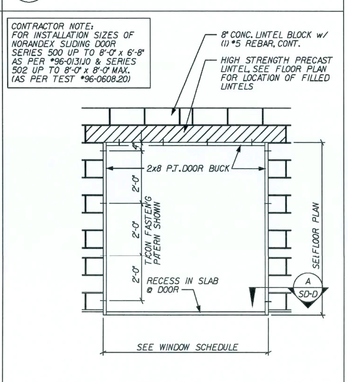
G GARAGE DOOR ELEVATION

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



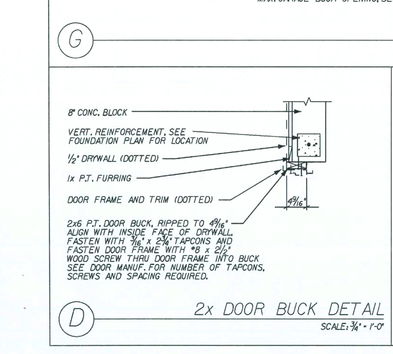
F STANDARD DOOR ELEVATION

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



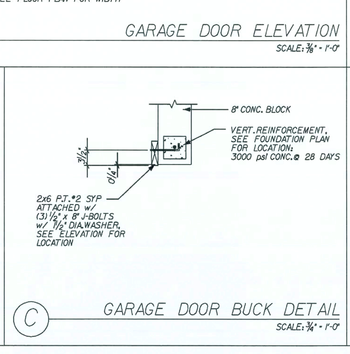
E SLIDING GLASS DOOR ELEVATION

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



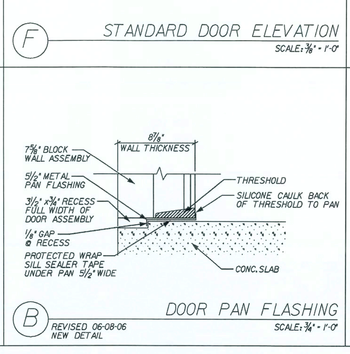
D 2x DOOR BUCK DETAIL

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



C GARAGE DOOR BUCK DETAIL

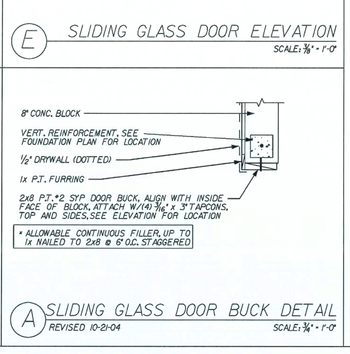
SCALE: 3/4" = 1'-0"



B DOOR PAN FLASHING

REVISED 06-08-06
NEW DETAIL

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



A SLIDING GLASS DOOR BUCK DETAIL

REVISED 10-21-04

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

REVISIONS :
06-29-06 ADDED DOOR F PAN DETAIL

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p:\17\houses.25\montgomery\dwf\d5_doors.dwg

DOORS STANDARD DETAILS

MONTGOMERY

DRAWN BY: GARAGE:

RELEASE DATE: 11/29/04

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Tomas Ponce P.E.
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OCT 10 2007

SHEET:

SD-D

PLOT DATE: 24 AUG 2007

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

ROOF | STANDARD DETAILS

MONTGOMERY

DRAWN BY: | GARAGE:

RELEASE DATE: 11/29 /04

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

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OCT 10 2007

SHEET: SD-R

THIS DRAWING WAS PRODUCED BY USING THE TRUSS WOOD SOFTWARE AND HAS BEEN REVIEWED BY SE,DS,SI,MF,PB,TP,ED,PL,TT AND TT.

PLATFORM | STANDARD DETAILS

MONTGOMERY

AIR-HEAT DETAILS

DRAWN BY: | GARAGE:

RELEASE DATE: */ */ /*

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(407)321-0064

Tomas Ponce P.E.
License No. 0050068

OCT 10 2007

SHEET: SD-H

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 BLOCK OR JAMBS MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE STRUCTURE.
3. ALL SCREWS, ANCHORS EMBEDMENT TO BASE MATERIAL MUST BE ADEQUATE TO TRANSFER LOADS.
4. IMPACT RESISTANT SHUTTERS ARE REQUIRED.
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
- FOR FRAMES OVER 8' 0" UP TO 9' 0", SEE TABLE 2.
DOOR LEAF CONSTRUCTION:
FACE SHEETS: FOOD PLAIN B SOUTHERN PINE FIBERGLASS SHEET PRESSED WITH FULL GLASS (FRP).
CORE DESIGN: 1/2" PLYWOOD CORE WITH FOAM CORE. THE PLYWOOD CORE IS FULLY BONDED TO THE FACE SHEETS. THE FOAM CORE IS FULLY BONDED TO THE PLYWOOD CORE.
CONSTRUCTION: THE DOOR LEAF IS CONSTRUCTED FROM A WATER PROOF, HIGH DENSITY, CROSS LINKED, FOAM CORE. THE FACE SHEETS ARE PRESSED TOGETHER AT 300 PSI. THE FOAM CORE IS INJECTED INTO THE CAVITY BETWEEN THE FACE SHEETS. THE FOAM CORE IS BONDED TO THE FACE SHEETS AT 300 PSI. THE FOAM CORE IS BONDED TO THE PLYWOOD BLOCK AT 300 PSI. THE FOAM CORE IS BONDED TO THE WOOD BLOCK AT HIGH PRESSURE. THE FOAM IS PVC FOAM.
4. SCREWS: 1/4" X 3" SPACE STEEL PHILLIPS HEAD SCREWS ON TWO 1/2" TEMPERED LEVEL AND THE SAME DIAMETER AS THE FOAM PANEL. SPACE SCREWS AT EQUAL PANEL SIZE (8"x8" DOOR).
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
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ANCHORING LAYOUT
PARTS LIST
VERTICAL & HORIZONTAL CROSS SECTIONS
VERTICAL CROSS SECTION
OPTIONAL THRESHOLD
HORIZONTAL CROSS SECTION
TYPICAL ELEVATION 8'-0" DOOR
TYPICAL ELEVATION 9'-0" DOOR
DESIGN PRESSURE RATING (TABLE #2)
ANCHORING LAYOUT
PLASTPRO, INC.
9 PEACH TREE HILL RD.
LAWNSTON, NJ 07039
PRODUCT: DISTINCTION SERIES SMC INSWING FIBERGLASS PATIO DOOR
PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS
REVISIONS
SHEET: FD1
EXT. DOOR DETAILS
IN SWING-FIBERGLASS
RELEASE DATE:
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Maronda Homes
(407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA
REVISIONS :
03 JUN 2003 050333

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).
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3. ALL SCREWS, ANCHORS EMBEDMENT TO BASE MATERIAL MUST BE ADEQUATE TO TRANSFER LOADS.
4. IMPACT RESISTANT SHUTTERS ARE REQUIRED.
5. DESIGN PRESSURE RATING SHALL BE AS FOLLOWS:
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PLASTPRO, INC.
9 PEACH TREE HILL RD.
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PART OR ASSEMBLY: GENERAL NOTES AND ELEVATIONS
REVISIONS
SHEET: FD2
EXT. DOOR DETAILS
OUT SWING-FIBERGLASS
RELEASE DATE:
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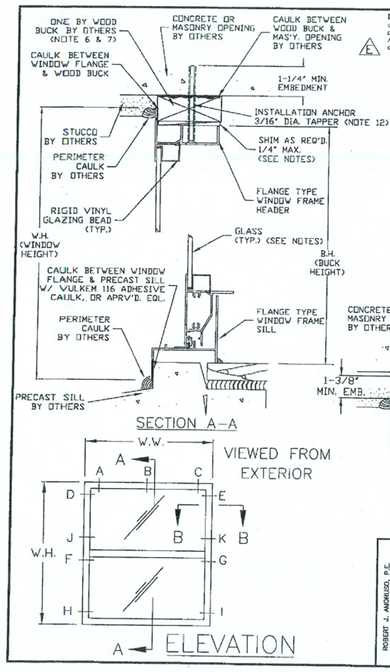
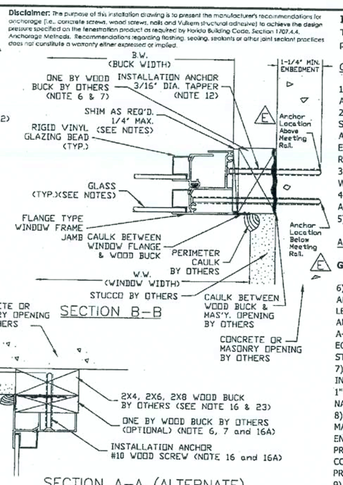
REVISIONS :
03 JUN 2003 050335



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.



ROBERT J. ANDRUSKO, P.E.
FLA PE LICENSE NO. 49752
STATE OF FLORIDA
JUL 9 2004

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]

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.: FLEXO016, SHT 1 OF 2

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

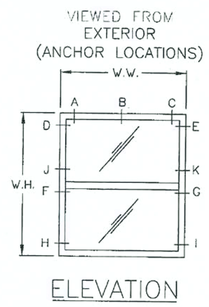
* 37 SIZE NOT AVAILABLE IN 1000 OR 1500 SERIES.

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

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

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



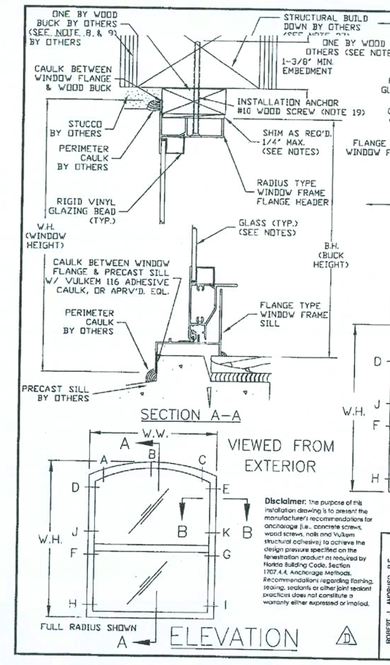
#10 WOOD SCREW (WITH STRUCTURAL TWO BY WOOD BUCK AND OPTIONAL ONE BY WOOD BUCK - SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION, SIMILAR FOR SECTION B-B):

16) WHERE WINDOW IS INSTALLED IN MASONRY OPENING WITH A STRUCTUAL TWO BY WOOD BUCK, USE #10 WOOD SCREWS (ANSI B18.6.1) OF SUFFICIENT LENGTH TO ACHIEVE 1-3/8" MIN. EMBEDMENT INTO THE TWO BY WOOD BUCK.
16A) IF A TWO BY & 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.

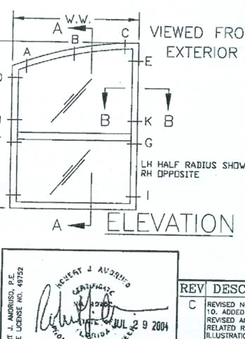
DESIGN PRESSURE RATING & FBC REQUIREMENTS

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	FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
C	CERTIFICATE OF AUTHORIZATION NO. 9235
D	TITLE: INSTALLATION DETAIL SGL. HUNG FLANGE WINDOWS - SERIES 1000 , 1500 & 2000
E	DRAWN BY: RJA / APPROVED BY: RJA
	DATE: 7/29/04 / SCALE: NTS / DWG.: FLEXO016, 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.



ROBERT J. ANDRUSKO, P.E.
FLA PE LICENSE NO. 49752
STATE OF FLORIDA
JUL 9 2004

IMPORTANT INFORMATION & GENERAL NOTES

Illegible.

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]

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

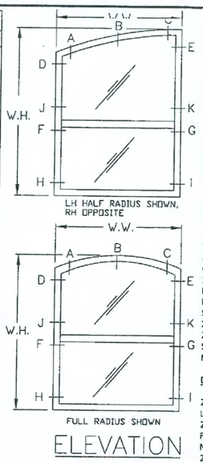
FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA
CERTIFICATE OF AUTHORIZATION NO. 9235

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.: FLEXO040 SHEET 1 OF 2

ANCHOR LOCATION CHART (SEE NOTES)			
CALL SIZE	BUCK SIZE	LOCATIONS IN HEAD (see note 1 below)		LOCATIONS IN JAMB (see notes 2 & 3 below)	
		30PSF TO 4C	41PSF TO 70PSF	30PSF TO 40PSF	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 13/16	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 78 5/32	47 x 78 5/32	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I (c)
32	52 1/8 X 33	A,B,C	A,B,C	F,G	F,G
33	52 1/8 X 45 3/8	A,B,C	A,B,C	F,G	F,G,H,I
34	52 1/8 X 57 5/8	A,B,C	A,B,C	F,G,H,I	F,G,H,I
345	52 1/8 X 63 1/4	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
35	52 1/8 X 70	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I
36	52 1/8 X 79	A,B,C	A,B,C	F,G,H,I	D,E,F,G,H,I (c)

ANCHOR LOCATION CHART NOTES:

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



IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

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

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

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

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

DESIGN PRESSURE RATING & FBC REQUIREMENTS

23) IF EXACT WINDOW SIZE IS NOT LISTED IN ANCHOR LOCATION CHART, USE ANCHOR QUANTITY LISTED FOR NEXT LARGER SIZE, FOR THE APPROPRIATE DESIGN PRESSURE REQ'D.
24) INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES TO 70 PSF FOR THE WINDOW SIZES SHOWN IN THE CHART. DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
25) GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.

PRODUCT APPROVAL INFORMATION SHEET FOR FLORIDA

Project Name: _____ **Permit #** _____

Project Address: _____

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

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
A. EXTERIOR DOORS					
1. Swinging	Plastpro Inc.	Fiberglass Doors	Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.	FL 6729.1 FL 6729.5	+50 / -50 +50 / -50
2. Sliding	Simonton / Norandex Florida Extruders	Sliding Glass Doors	500 72X80 SGD-R45 Milestone 1000 SGD	FL 5350.1 FL 45.1	+45 / -45 +45 / -45
3. Sectional					
4. Roll up	Wayne Dalton	Garage Doors 130 16' 8000 & 8100 8' Garage Doors 140 16' 8000 &8100 8'	As indicated in evaluation report and installation drawings. Not to be used in HVHZ.	FL 22.4 FL 22.2 FL 4965.47 FL 22.5	+27.0 / -29.0 +29.3 / -29.3 +34.4 / -38.3 +37.0 / -37.0
B. WINDOWS					
1. Single hung	H –R Windows Danvid Window Co Florida Extruders	300 Fin Single Hung 341 Flange Frame S.H. Milestone 1000 S.H.	40-17 72x74 H-R45	FL5089.1 FL 2751.1 FL 42.1	+45 / -45 +55 / -55 +45 / -45
2. Horizontal slider					
3. Casement					
4. Double hung					
5. Fixed	H –R Windows Danvid Window Co Florida Extruders	301 Fin Frame Fixed 341 Flange Frame Fixed Milestone 1000 Fixed	437-438 111 x 63 R-C60 3/16 Tempered Glass Flange & Fin	FL 1291.2 FL 2349.1 FL 44.1	+55 / -55 =70 / -70 +45 / -45
6. Pass-through					
7. Projected					
8. Mullion	H –R Windows Florida Extruders	Mullions Milestone Tube Mull Fin Or Flange	Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.	FL 5782 FL 3136–R2	+45 / -45
10. Wind breaker					
11. Dual action					
12. Other					
C. PANEL WALL					
1. Siding	Owens Corning	Easy Street Dbl 4.5 Dutch Lap	This Evaluation is not for use within the FBC HVHZ or on Educational Facilities within the State of Florida. Vinyl siding is limited to Type V construction , as defined below. Section 602.5 – TYPE V CONSTRUCTION Type V construction is that type of construction in which the structural elements, exterior walls and interior Walls are of any material permitted by this code. Compliance is valid only if the subject profile trade name is current on the VSI Vinyl Siding f Certification Program.	FL 920.13	+53 / -53
2. Soffit	Alsco Metal Corp	16" Vented Soffit Quad 4 Aluminum Soffit	For use as soffit only. Not for use in HVHZ. Installations shall meet the minimum ventilation requirements of FBC Section 1203.2 and AAMA 1402-86, Section 3.1.1.4.	FL 4459-R1	46.71 PSF
D. ROOFING PRODUCTS					
1. Asphalt shingles	Owens Corning	Asphalt Shingle Ridge Vents Galvanized metal roof vents.	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade Must be followed.	FL 3663 FL 234 FL5289	
2. Underlayments					
3. Roofing fasteners					
4. Nonstructural metal roof					
5. Built-up roofing					
6. Modified bitumen					
7. Single ply roofing					
8. Roofing tiles					
9. Roofing insulation					
10. Waterproofing					
11. Wood shingles/shakes					
12. Roofing slate					
13. Liquid applied roofing					
14. Cement-adhesive coats					
15. Roof tile adhesive					
16. Spray applied polyurethane roof					
17. Other					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
E. SHUTTERS					
1. Storm Panels	Atrium Shutters, Inc.	SL Panel Galv. Stl Strom	This product may only be installed on concrete, hollow concrete block or wood substrates. This product is NOT suitable for installation in the High Velocity Hurricane Zone.	FL 5547	50 PSF
F. STRUCTURAL COMPONENTS					
1. Wood connector/anchor	United Steel Products	Anchors, Hangers< Etc. Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NOA 05-0105.05.	FL–R1, 565, 569, 572, 576, 815, 816, 817, 818, 819, 820, 821, 822, 859, 1247, 1777, 2033, 2620, 3923, 4928, 5631, 6223	
2. Truss plates	Mitek Industries Inc.	Truss Connectors	No Limitation of Use.	FL 2197 R1	
3. Engineered lumber					
4. Railing					
5. Coolers-freezers					
6. Concrete admixtures					
7. Material					
8. Insulation forms					
9. Plastics					
10. Deck-roof					
11. Wall					
12. Sheds					
13. Other					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
G. SKYLIGHTS					
1. Skylight					
2. Other					
H. NEW EXTERIOR ENVELOPE PRODUCTS					
1.					
2.					

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

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

_____
_____
_____

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

Company Name: _____

Mailing Address: _____

City: _____ State: _____ Zip Code: _____

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

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

REVISIONS :

Maronda Homes

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4801 121-0364 4005 MARONDA WAY SANFORD, FLORIDA

PRODUCT APPROVAL

RELEASE DATE:

SHEET:

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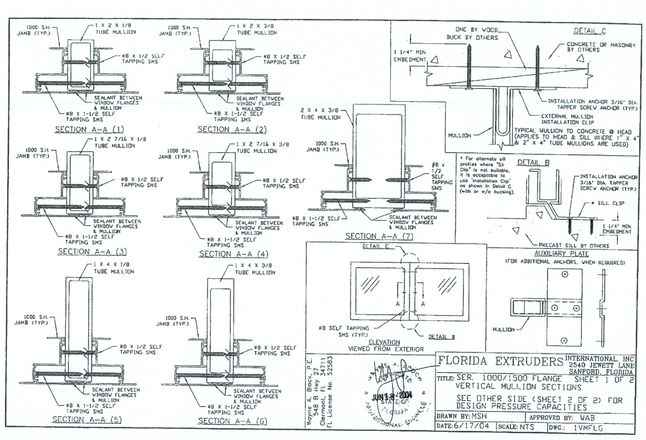

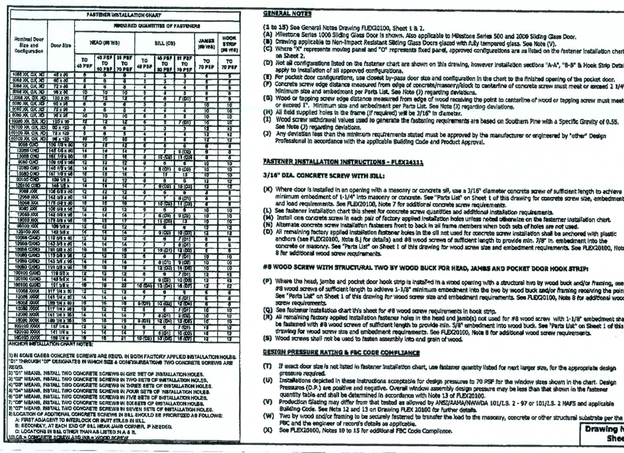

FASTENER INSTALLATION CHART

Nailhead Door Size and Configuration	Door Size	HEAD (IN WOOD) TO 10 PSF	HEAD (IN WOOD) 10 PSF TO 20 PSF	HEAD (IN WOOD) 20 PSF TO 30 PSF	SILL (IN WOOD) TO 10 PSF	SILL (IN WOOD) 10 PSF TO 20 PSF	SILL (IN WOOD) 20 PSF TO 30 PSF	JAMBS (IN WOOD) (IN PSF)	HOOK STRIPS (IN PSF)
1 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
1 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
1 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
2 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
2 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
3 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
3 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
1 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
1 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
2 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
2 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
3 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
3 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
1 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
1 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
1 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
2 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
2 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
2 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	48 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	72 X 96	8	8	8	8	8	8	8	8
3 PANEL SGL HDL	96 X 96	8	8	8	8	8	8	8	8
3 PANEL DBL HDL	144 X 96	8	8	8	8	8	8	8	8
3 PANEL DBL HDL	192 X 96	8	8	8	8	8	8	8	8

ANCHOR INSTALLATION NOTES:

(1) #8 EDGE GABBS CONCRETE SCREWS ARE REQ'D. IN BOTH FACTORY APPLIED INSTALLATION HOLES.
(2) "SD" THROUGH "DP" DESIGNATES IN HINGE SIDE & CONTROL SIDE TWO CONCRETE SCREWS JAMB
(3) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN ONE SET OF INSTALLATION HOLES.
(4) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN TWO SETS OF INSTALLATION HOLES.
(5) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN ONE SET OF INSTALLATION HOLES.
(6) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN TWO SETS OF INSTALLATION HOLES.
(7) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN ONE SET OF INSTALLATION HOLES.
(8) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN TWO SETS OF INSTALLATION HOLES.
(9) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN ONE SET OF INSTALLATION HOLES.
(10) "DP" MEANS, INSTALL TWO CONCRETE SCREWS IN TWO SETS OF INSTALLATION HOLES.
(11) LOCATION OF ADDITIONAL CONCRETE SCREWS IN SILL SHOULD BE PRIORITIZED AS FOLLOWS:
A. PRIMARILY, AT EACH END OF SILL WHEN JAMB CONCRETE IS PRESENT.
B. SECONDARY, AT EACH END OF SILL WHEN JAMB CONCRETE IS NEEDED.
C. LOCATIONS IN SILL OTHER THAN AS LISTED IN A & B.
(12) ALL CONCRETE SCREWS ARE 3/16 DIA. EDGE GABBS

GENERAL NOTES

(1 to 10) See General Notes Drawing FLEX20100, Sheet 1 & 2.
(A) Alternative 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 (7).
(C) See Sheet 1.
(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 (2) regarding deviations.
(G) Wood or topping screw edge distance measured from edge of wood receiving the point to centerline of wood or topping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (2) regarding deviations.
(H) All field supplied holes to 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 (2) 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 - FLEX34311

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) for detail) 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 1-5/8" 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 jambs (except for wood screw with 1-5/8" 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 wood 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 door 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 13 for additional FBC Code Compliance.

Drawing No. FLEX24111
Sheet 2 of 2

Florida Extruders Int'l, Inc.
2540 Jewett Lane
Sanford, Florida 32771
Phone 407-324-2000
Fax 407-324-2001
Phone Code No. 1352

Revision Date 10/13/05 Made by WS Checked By: JH
Revision Date 10/13/05 Made by WS Checked By: JH
Revision Date 10/13/05 Made by WS Checked By: JH
Revision Date 10/13/05 Made by WS Checked By: JH

REVISIONS :

Maronda Homes

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4801 121-0364 4005 MARONDA WAY SANFORD, FLORIDA

FLORIDA EXTRUDERS
WINDOWS IN LOCK

RELEASE DATE:

SHEET:
3 of 3

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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

Florida Extruders Int'l, Inc.
2540 Jewett Lane
Sanford, Florida 32771
Phone 407-324-2000
Fax 407-324-2001
Phone Code No. 1352

Revision Date 10/13/05 Made by WS Checked By: JH
Revision Date 10/13/05 Made by WS Checked By: JH
Revision Date 10/13/05 Made by WS Checked By: JH
Revision Date 10/13/05 Made by WS Checked By: JH

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

Drawing No. FLEX20100
Sheet 2 of 2