

SUNBURY - V

KC

FLORIDA DESIGN CRITERIA

REVISED 05-03-07

BUILDING DATA

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

NATIONAL ELECTRICAL CODE 2005

STRUCTURAL DESIGN PARAMETERS: ASCE 7-2002 (PER FRC 2004 : SECTION R301.2)

CLASSIFICATION : 2

OCCUPANCY: RESIDENTIAL

BUILDING DESIGN: ENCLOSED

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

EXPOSURE: B

INTERNAL PRESSURE COEFFICIENT: GCpl = +/- 0.18

IMPORTANCE FACTOR: 1.0

NUMBER OF STORIES: TWO STORY

BUILDING MEAN ROOF HEIGHT: 25 FEET, MAX.

WOOD FRAMING INSPECTION

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

TERMITE TREATMENT

THE BUILDING AND PATIO SLAB HAVE RECEIVED 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 RECEIVED 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, SST D 12, ANSI/DASMA 115 (FOR GARAGE DOORS) OR TAS201, 202 AND 203. (FRC 2004, SECTION R301.2.1.2)

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SDI	STANDARD DETAILS
SDD	STANDARD DETAILS - DOORS
SDW	STANDARD DETAILS - WINDOWS
SDH	STANDARD DETAILS - HEATING
STR	STAIR DETAILS



WOOD TRUSS

REVISIONS :
1/10-06 RELEASE FOR PRODUCTION

Maronda Homes
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 9TM03001, JAX
 Lot 30-1, 9TM

FLORIDA NOTICE: THIS DRAWING WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION R301.2 OF THE FLORIDA BUILDING CODE 2004, RESIDENTIAL AND 2005, 2006 SUPPLEMENT. ALL ELECTRICAL, MECHANICAL, GAS, AND EXPOSURE DETAILS CHECKED. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA COVER SHEET
SUNBURY
 ELEVATION "V"
 DRAWN BY: GARAGE: LEFT
 RELEASE DATE: 03-20-06 125 MPH

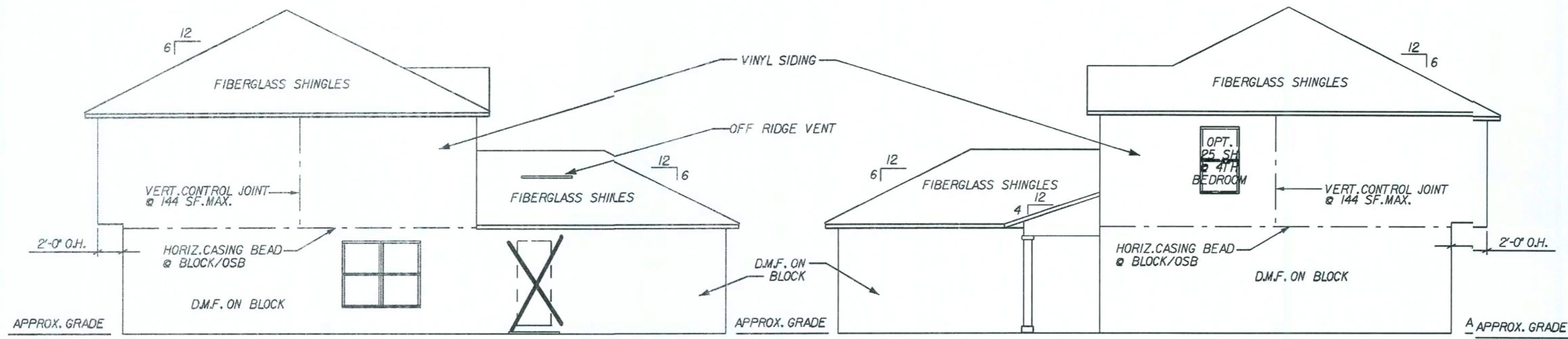
Maronda Systems
 4005 Maronda Way
 Sanford, FL 32711
 (407)321-0064

Tomas Ponce P.E.
 License No. 0050068
 August 28, 2008

SHEET:
OV

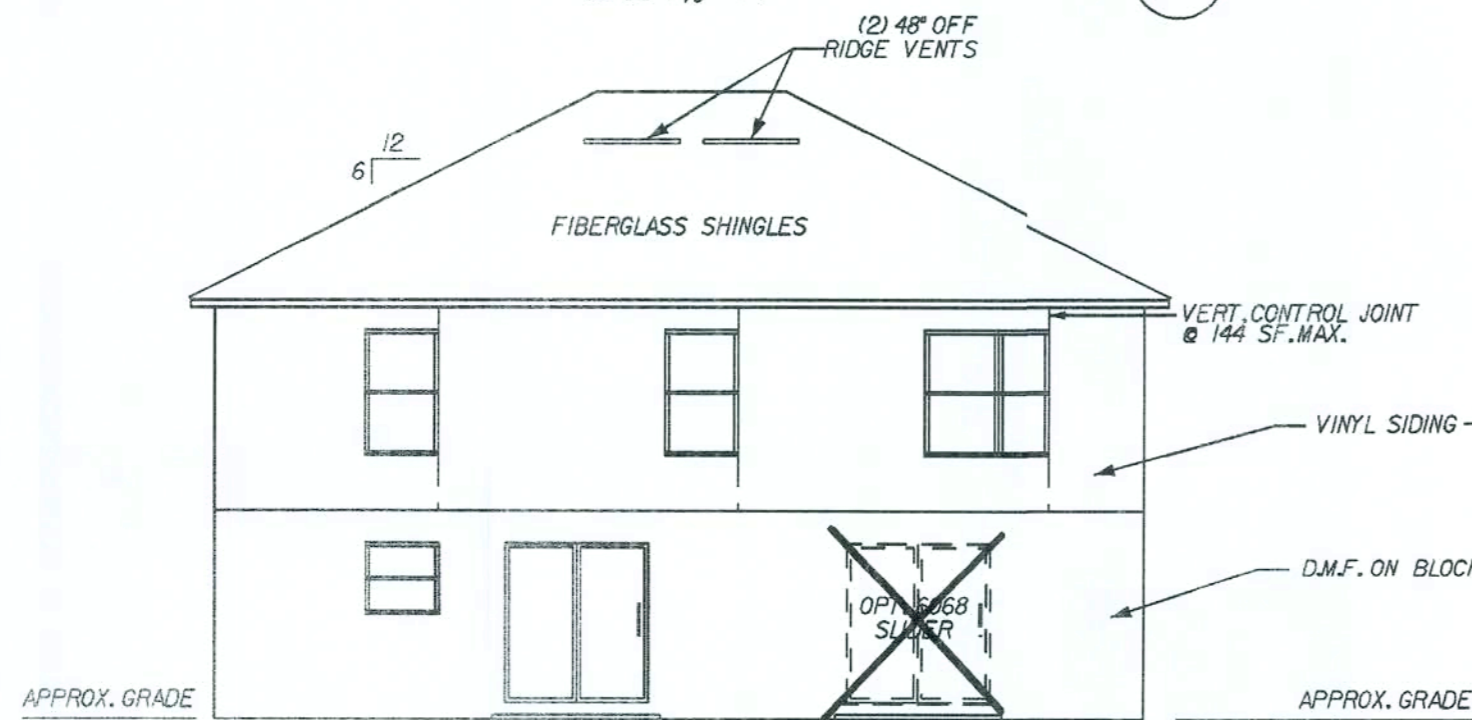
THIS DRAWING WAS PRINTED BY USING THE AMERICAN VISION SOFTWARE AND HAS BEEN REVIEWED BY SC, DS, SJ, WF, JB, LF, EB, UT, LL AND LL.

08-14-07 REV. CODE INFORMATION

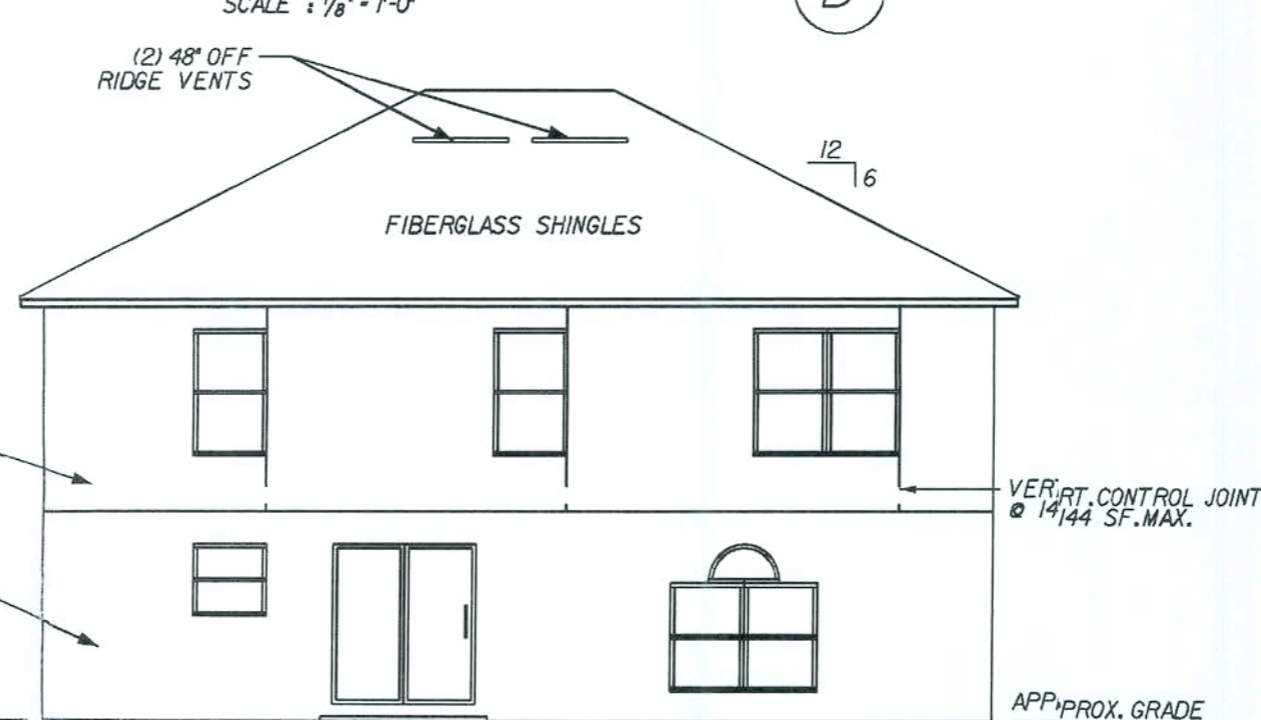


RIGHT ELEVATION
SCALE: 1/8" = 1'-0"

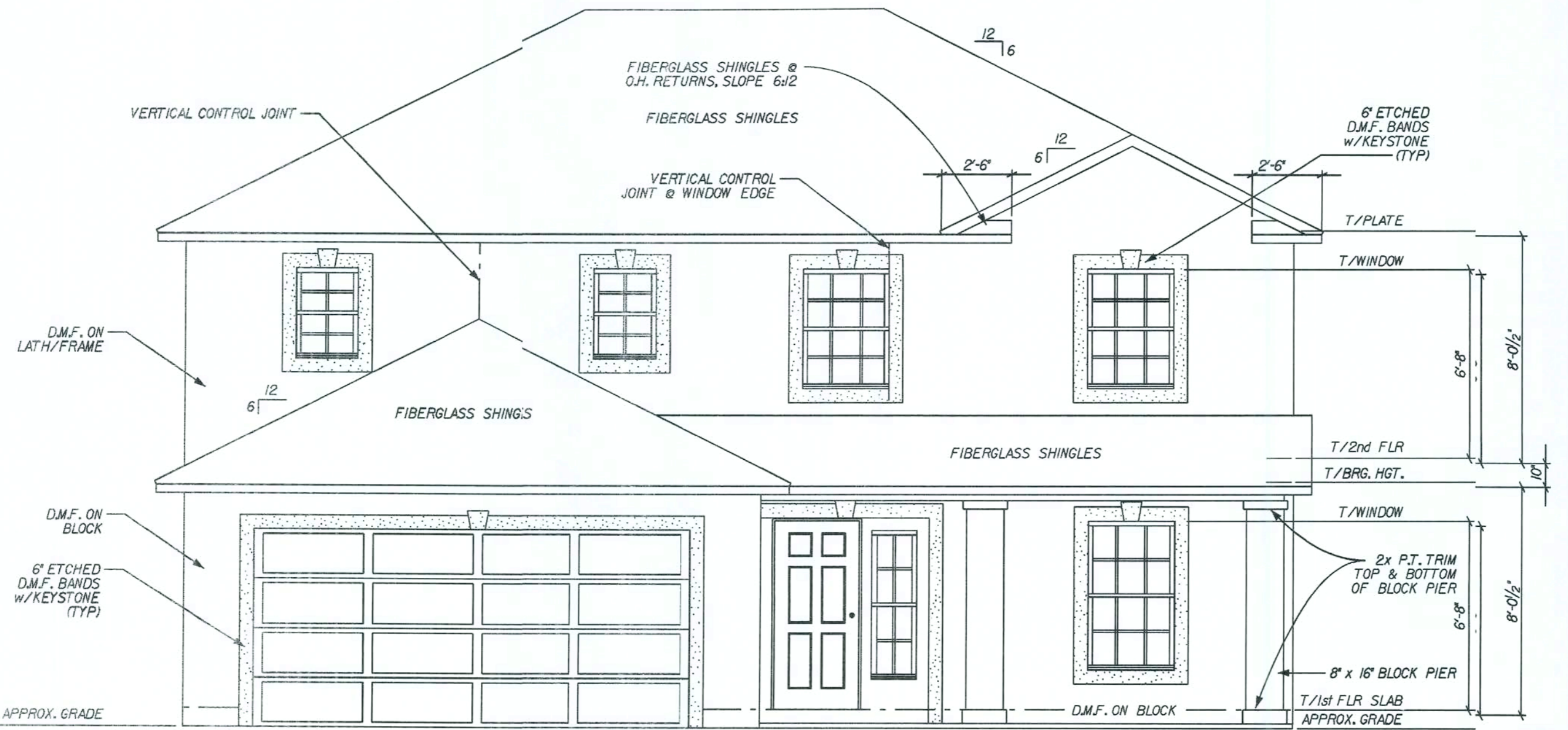
LEFT ELEVATION
SCALE: 1/8" = 1'-0"



OPT. REAR ELEVATION
SCALE: 1/8" = 1'-0"

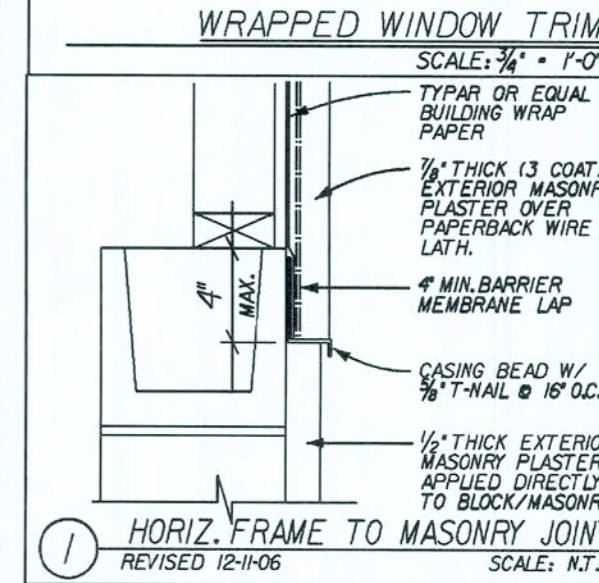
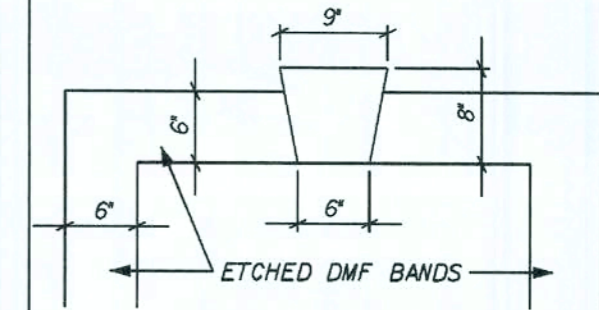


REAR ELEVATION
SCALE: 1/8" = 1'-0"



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

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



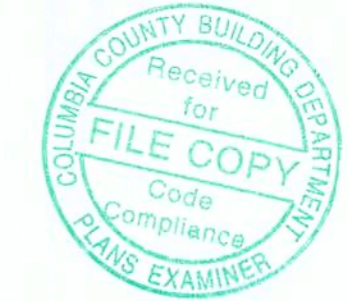
REVISIONS:

08-01-06	REV. STUCCO DETAIL
09-22-06	REV. PORCH SLOPE/FIN. WINDOW
09-21-07	DEL. VINYL SIDING

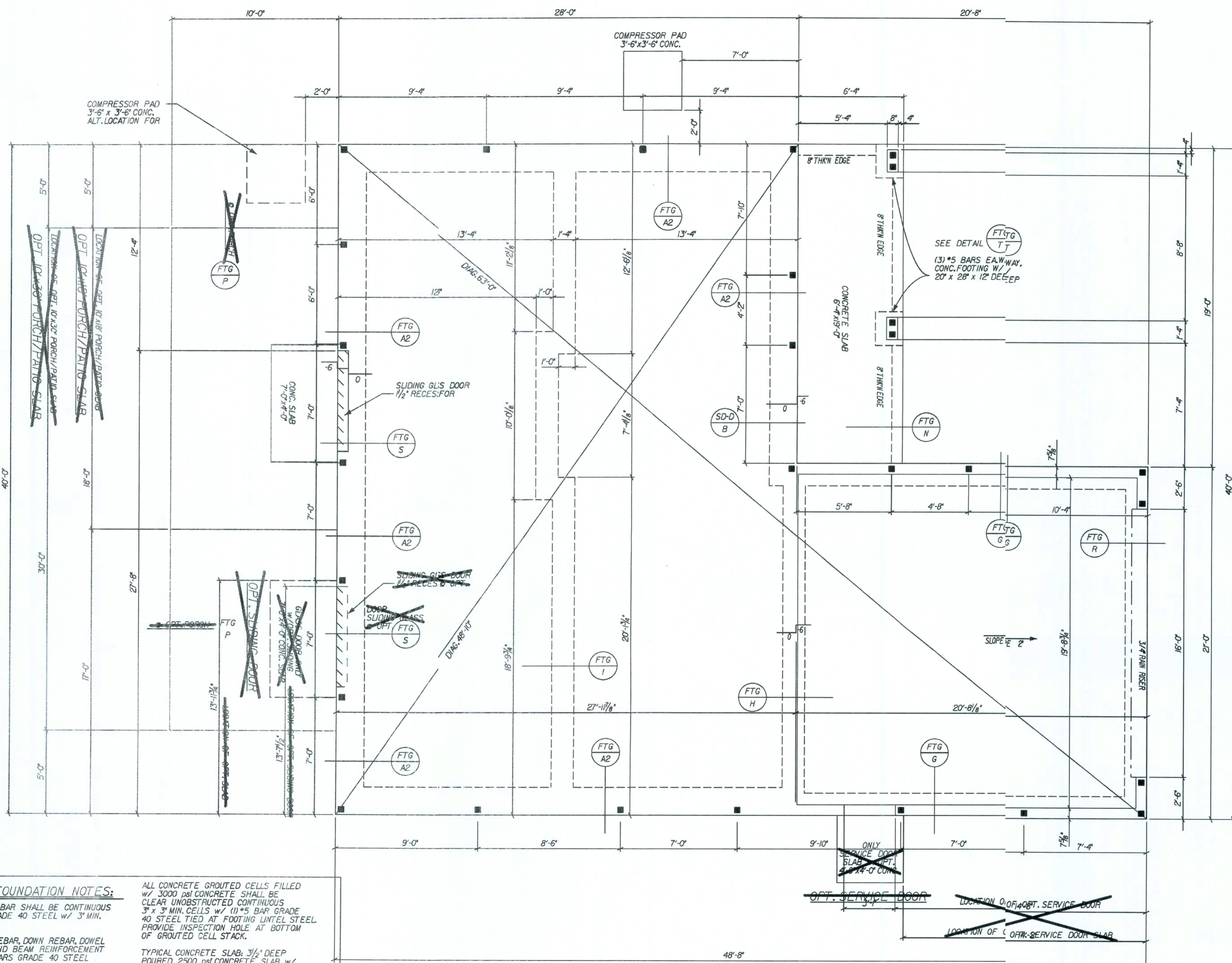
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 FLORIDA ARCHITECTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004: RESIDENTIAL AND 2005: S.I.P. ELEMENT

AMERICANA EXT. ELEVATION
SUNBURY-NEWBERRY
 ELEVATION "V"
 DRAWN BY: GARAGE: LEFT
 RELEASE DATE: 03-20-06

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SHEET: **IV**



GENERAL FOUNDATION NOTES:

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: 3 1/2" 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) TERMITTE TREATED FILL.

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

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

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

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

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

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

REVISIONS:

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THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION 903.0 OF THE FLORIDA BUILDING CODE FOR RESIDENTIAL AND EXCESS EXPOSURE TO WIND AND EXCESS GUST. HIDE EXPOSURE B. ENCLOSED BUILDING. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA FOUNDATION PLAN

SUNBURY

ELEVATION "V"

GARAGE: LEFT

RELEASE DATE: 03-20-06

125 MPH

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August 28, 2008

SHEET:
 2v

P:\14000006_05\SUNBURY\25\SUNBURY-125V.DWG
 08-14-07 REV. CODE INFORMATION
 13-88-39
 PLOT DATE: 22 FEB 2008

GENERAL FIRST FLOOR NOTES:

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

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

EXTERIOR OPENING DIMENSIONS ARE TO FACE OF MASONRY OPENING.

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

INTERIOR NON-LOAD BEARING WALLS TO BE NOMINAL 3 1/2" MTL STUD, 25 ga. U.N.O.

ALL WOOD NOT SEPARATED 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 HORIZ. #5 REBAR AND AN 8" HIGH STRENGTH PRECAST LINTEL

LOWER COURSE WHICH SHALL UNFILLED, U.N.O. FOR FILLED PRECAST LINTELS, USE 3000 psi CONCRETE w/ 1/2" AGGREGATE. FOR REINFORCED PRECAST LINTEL USE GRADE 40 REINFORCING STEEL.

PROVIDE SAFETY GLAZING AT 1/2" TEMPERED ALL WINDOWS OVER BATH TUBS.

ALL WINDOWS WITHIN 24" OF DOOR SWING. ALL SLIDING GLASS DOORS. ALL FIXED GLASS LITES OVE 30 SQ.FT. ALL LITES WITHIN 18" OF THE FLOOR AND INDIVIDUAL PANE GREATER THAN 9 SQ.FT. ALL SHOWER ENCLOSURES.

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

SEE SHEET *WJ FOR WINDOW AND LINTEL SCHEDULES AND DETAILS

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

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

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

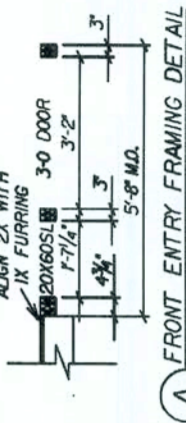
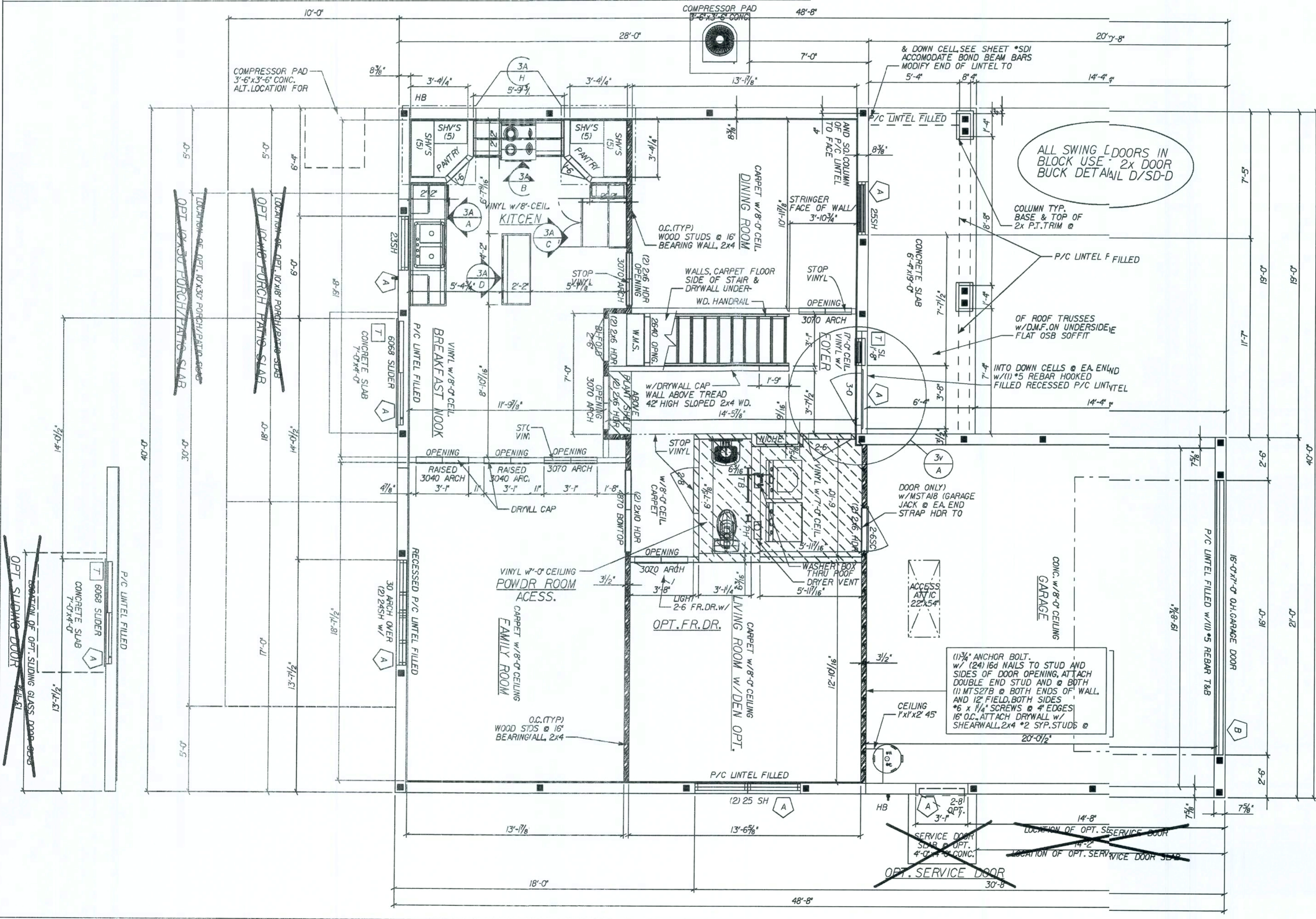
SQUARE FOOTAGE:

1st FLOOR LIVING	1120 SQ. FT.
2nd FLOOR LIVING	1103 SQ. FT.
TOTAL LIVING	2223 SQ. FT.
GARAGE AREA	434 SQ. FT.
COVERED ENTRY	114 SQ. FT.
TOTAL AREA	2771 SQ. FT.

OPENING PRESSURES 125mph:

A	B	E
*28.1 / -30.5	*23.37 / -27.6	*24.2 / -27.1
C	D	
*28.1 / -37.6	*2.249 / -29.7	

REVISED 09-12-07



Maronda Homes
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FLORIDA: THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 - RESIDENTIAL AND 2005 2006 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST. WIND EXPOSURE B. ENCLOSED BUILDING. TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA FIRST FLOOR PLAN
SUNBURY
 ELEVATION "V"
 DRAWN BY: GARAGE: LEFT
 RELEASE DATE: 03-20-06 125 MPH
 1318-40

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 August 28, 2008

SHEET:
3v

REVISIONS:
 12/14/06 REV. SERVICE DOOR SWING
 08/14/07 REV. CODE INFORMATION

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 2 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 DIMENSION IS ALWAYS WIDTH.
 UNIT OF MEASURE IS INCH.

ATTENTION

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

NORANDEX SERIES (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.
23	37 3/4" X 38 3/8"	2,5			1H3	26 X 37 3/8"	7		
25	37 3/4" X 63"	2,5	74 3/4" X 63"	2,5	24/5	36 1/2" X 55 3/4"	7	73 1/4" X 62 3/8"	7

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

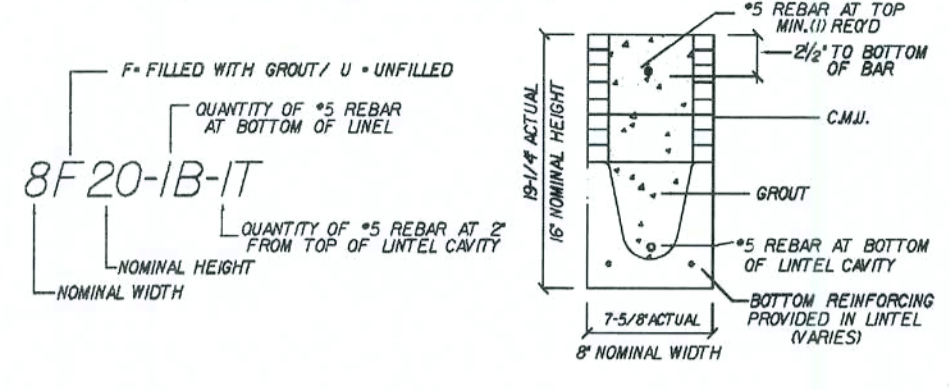
SIZE	SINGLE M.O.	FAST.
(2) 24 w/ 3'-0" CT	74 3/4" X 71 3/8"	2,5,7

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

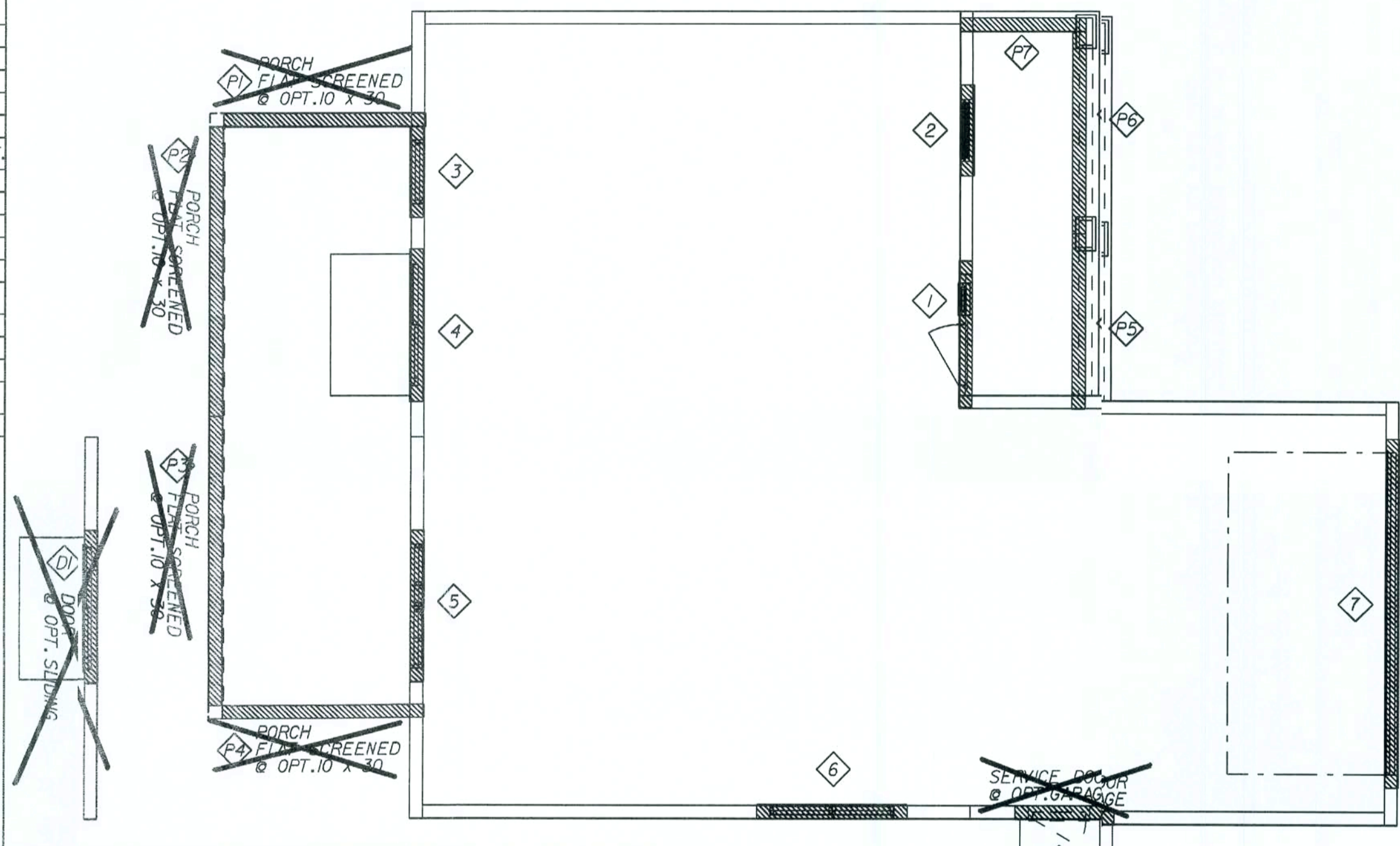
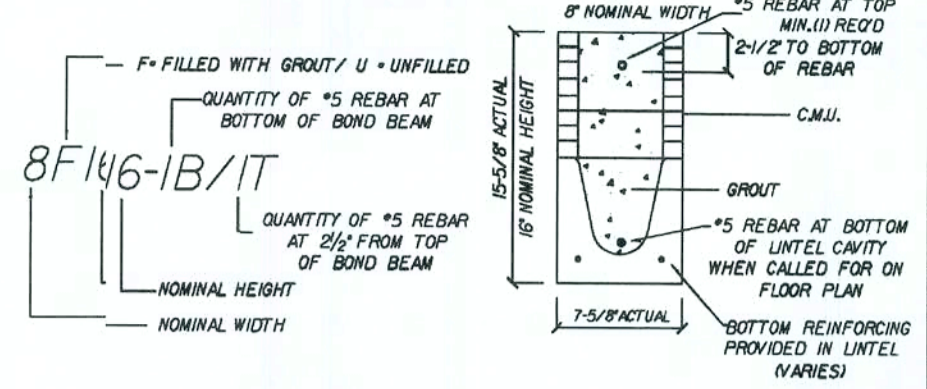
SIZE	SINGLE F.O.	FAST.
1-8 SL	19 3/8" X 59 3/8"	7

- MATERIALS**
- f'c cast lintels = 3500 psi.
 - f'c prestressed lintels = 6000 psi.
 - f'c cut = 3000 psi w/ maximum 7/8" aggregate.
 - Concrete masonry units (CMU) per ASTM C90 w/ minimum net area compressive strength = 1900 psi.
 - Rebar provided in precast lintel per ASTM A615 GR60. Field rebar per ASTM A615 GR40 or GR60.
 - Prestressing strand per ASTM A416 grade 270 low relaxation.
 - 7/32" wire per ASTM A510.
 - Mortar per ASTM C270 type M or S.

TYPICAL GARAGE DESIGNATION



TYPICAL DESIGNATION



CAST-CRETE LINTEL SCHEDULE

LINTEL NO.	LENGTH	TYPE	APPLIED LOADS (PLF)		SAFE LOADS		COMMENT
			GRAVITY	UPLIFT	GRAVITY	UPLIFT	
1	4'-6"	8RF14-0B/IT	138	219	2459	1962	RECESSED
2	4'-6"	8U16-0B/IT	92	166	1599	2724	-
3	4'-6"	8U16-0B/IT	92	166	1599	2724	-
4	4'-6"	8F16-0B/IT	138	219	2632	1634	-
5	4'-6"	8RF14-0B/IT	138	219	2459	1962	RECESSED
6	4'-6"	8F16-0B/IT	138	219	2632	1634	-
7	4'-4"	8F20-1B/IT	138	219	1326	732	GARAGE DOOR
D1	4'-6"	8F16-0B/IT	138	214	2632	1634	OPT. SLIDING DOOR
S1	4'-6"	8U16-0B/IT	138	219	1599	2724	OPT. GARAGE SERVICE DR.
P1	4'-6"	8F8-0B/IT	33	220	1247	914	OPT. PORCH
P2	4'-6"	8F8-0B/IT	330	220	458	239	OPT. PORCH
P3	4'-6"	8F8-0B/IT	330	220	458	239	OPT. PORCH
P4	4'-6"	8F8-0B/IT	33	220	643	530	OPT. PORCH
P5	4'-6"	8F8-0B/IT	112	215	752	591	FRONT PORCH
P6	4'-6"	8F8-0B/IT	112	215	643	530	FRONT PORCH
P7	4'-6"	8F8-0B/IT	112	215	1238	835	FRONT PORCH

THE SPECIFIED LINTELS ON SHEET WLV 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 WLV LINTEL SCHEDULE.

REVISED 04-02-07

Maronda Homes

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AMERICANA WINDOW/LINTEL
SUNBURY
 ELEVATION "V"
 GARAGE: LEFT
 DRAWN BY:
 RELEASE DATE: 03-20-06
 125 MPH

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Tomas Ponce P.E.
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 August 28, 2008

SHEET:
 WLV

POWER LINTEL - ESbox8 (5-5/8") 6" DEPTH FILLED AND UNFILLED

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	NO FILL NO REBAR DETAIL "A"	FILLED #5 TOP DETAIL "B"	FILLED #5 T&B DETAIL "C"
M-1	1'-6"	2'-10"	960	7775	7775
M-2	2'-0"	3'-6"	853	5389	5389
M-3	2'-4"	3'-8"	617	4982	4982
M-4	2'-8"	4'-0"	540	4352	4352
M-5	2'-10"	4'-2"	504	4095	4095
M-6	3'-0"	4'-4"	480	3765	3865
M-7	3'-4"	4'-6"	459	3378	3659
M-8	3'-8"	4'-8"	429	3044	3474
M-9	4'-0"	5'-0"	360	2700	2887
M-10	4'-4"	5'-4"	333	2532	2770
M-11	4'-8"	5'-8"	280	2160	2373
M-12	5'-2"	6'-2"	249	1842	2028
M-13	5'-6"	6'-6"	219	1578	1743
M-14	6'-0"	7'-0"	189	1314	1458
M-15	6'-4"	7'-4"	162	1050	1170
M-16	6'-8"	7'-8"	135	786	864
M-17	7'-0"	8'-0"	108	522	576
M-18	7'-4"	8'-4"	81	258	288
M-19	7'-8"	8'-8"	54	0	0
M-20	8'-0"	9'-0"	27	0	0
M-21	8'-4"	9'-4"	0	0	0
M-22	8'-8"	9'-8"	0	0	0
M-23	9'-0"	10'-0"	0	0	0

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

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

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	FILLED W/ #5 TOP DETAIL "I"	FILLED W/ #5 T&B DETAIL "J"
L-1	1'-6"	2'-10"	10831	10831
L-2	2'-0"	3'-6"	7483	7483
L-3	2'-4"	4'-0"	6041	6041
L-4	2'-8"	4'-4"	5099	5099
L-5	3'-0"	4'-6"	4657	4657
L-6	3'-4"	5'-0"	3989	3989
L-7	3'-8"	5'-4"	3533	3533
L-8	4'-0"	5'-8"	3087	3087
L-9	4'-4"	6'-2"	2541	2541
L-10	4'-8"	6'-6"	2300	2300
L-11	5'-0"	6'-10"	1936	1936
L-12	5'-4"	7'-4"	1675	1675
L-13	5'-8"	7'-8"	1526	1526
L-14	6'-0"	8'-2"	1354	1354
L-15	6'-4"	8'-6"	1252	1252
L-16	6'-8"	9'-0"	1169	1169
L-17	7'-0"	9'-4"	1044	1044
L-18	7'-4"	9'-8"	936	936
L-19	7'-8"	10'-2"	889	889
L-20	8'-0"	10'-6"	819	819
L-21	8'-4"	11'-0"	774	774
L-22	8'-8"	11'-4"	708	708
L-23	9'-0"	11'-8"	653	653
L-24	9'-4"	12'-2"	609	609
L-25	9'-8"	12'-6"	574	574
L-26	10'-0"	13'-0"	540	540
L-27	10'-4"	13'-4"	505	505
L-28	10'-8"	13'-8"	470	470
L-29	11'-0"	14'-2"	435	435
L-30	11'-4"	14'-6"	400	400
L-31	11'-8"	15'-0"	365	365
L-32	12'-0"	15'-4"	330	330
L-33	12'-4"	15'-8"	295	295
L-34	12'-8"	16'-2"	260	260
L-35	13'-0"	16'-6"	225	225
L-36	13'-4"	17'-0"	190	190
L-37	13'-8"	17'-4"	155	155
L-38	14'-0"	17'-8"	120	120
L-39	14'-4"	18'-2"	85	85
L-40	14'-8"	18'-6"	50	50
L-41	15'-0"	19'-0"	15	15

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

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

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	FILLED W/ #5 TOP DETAIL "I"	FILLED W/ #5 T&B DETAIL "J"
L-1	1'-6"	2'-10"	---	---
L-2	2'-0"	3'-6"	---	---
L-3	2'-4"	4'-0"	---	---
L-4	2'-8"	4'-4"	---	---
L-5	3'-0"	4'-6"	---	---
L-6	3'-4"	5'-0"	---	---
L-7	3'-8"	5'-4"	---	---
L-8	4'-0"	5'-8"	---	---
L-9	4'-4"	6'-2"	---	---
L-10	4'-8"	6'-6"	---	---
L-11	5'-0"	7'-0"	---	---
L-12	5'-4"	7'-4"	---	---
L-13	5'-8"	7'-8"	---	---
L-14	6'-0"	8'-2"	---	---
L-15	6'-4"	8'-6"	---	---
L-16	6'-8"	9'-0"	---	---
L-17	7'-0"	9'-4"	---	---
L-18	7'-4"	9'-8"	---	---
L-19	7'-8"	10'-2"	---	---
L-20	8'-0"	10'-6"	---	---
L-21	8'-4"	11'-0"	---	---
L-22	8'-8"	11'-4"	---	---
L-23	9'-0"	11'-8"	---	---
L-24	9'-4"	12'-2"	---	---
L-25	9'-8"	12'-6"	---	---
L-26	10'-0"	13'-0"	---	---
L-27	10'-4"	13'-4"	---	---
L-28	10'-8"	13'-8"	---	---
L-29	11'-0"	14'-2"	---	---
L-30	11'-4"	14'-6"	---	---
L-31	11'-8"	15'-0"	---	---
L-32	12'-0"	15'-4"	---	---
L-33	12'-4"	15'-8"	---	---
L-34	12'-8"	16'-2"	---	---
L-35	13'-0"	16'-6"	---	---
L-36	13'-4"	17'-0"	---	---
L-37	13'-8"	17'-4"	---	---
L-38	14'-0"	17'-8"	---	---
L-39	14'-4"	18'-2"	---	---
L-40	14'-8"	18'-6"	---	---
L-41	15'-0"	19'-0"	---	---
L-42	15'-4"	19'-4"	---	---
L-43	15'-8"	19'-8"	---	---
L-44	16'-0"	20'-2"	---	---
L-45	16'-4"	20'-6"	---	---
L-46	16'-8"	21'-0"	---	---
L-47	17'-0"	21'-4"	---	---
L-48	17'-4"	21'-8"	---	---
L-49	17'-8"	22'-2"	---	---
L-50	18'-0"	22'-6"	---	---
L-51	18'-4"	23'-0"	---	---
L-52	18'-8"	23'-4"	---	---
L-53	19'-0"	23'-8"	---	---
L-54	19'-4"	24'-2"	---	---
L-55	19'-8"	24'-6"	---	---
L-56	20'-0"	25'-0"	---	---
L-57	20'-4"	25'-4"	---	---
L-58	20'-8"	25'-8"	---	---
L-59	21'-0"	26'-2"	---	---
L-60	21'-4"	26'-6"	---	---
L-61	21'-8"	27'-0"	---	---
L-62	22'-0"	27'-4"	---	---
L-63	22'-4"	27'-8"	---	---
L-64	22'-8"	28'-2"	---	---
L-65	23'-0"	28'-6"	---	---
L-66	23'-4"	29'-0"	---	---
L-67	23'-8"	29'-4"	---	---
L-68	24'-0"	29'-8"	---	---
L-69	24'-4"	30'-2"	---	---
L-70	24'-8"	30'-6"	---	---
L-71	25'-0"	31'-0"	---	---
L-72	25'-4"	31'-4"	---	---
L-73	25'-8"	31'-8"	---	---
L-74	26'-0"	32'-2"	---	---
L-75	26'-4"	32'-6"	---	---
L-76	26'-8"	33'-0"	---	---
L-77	27'-0"	33'-4"	---	---
L-78	27'-4"	33'-8"	---	---
L-79	27'-8"	34'-2"	---	---
L-80	28'-0"	34'-6"	---	---
L-81	28'-4"	35'-0"	---	---
L-82	28'-8"	35'-4"	---	---
L-83	29'-0"	35'-8"	---	---
L-84	29'-4"	36'-2"	---	---
L-85	29'-8"	36'-6"	---	---
L-86	30'-0"	37'-0"	---	---
L-87	30'-4"	37'-4"	---	---
L-88	30'-8"	37'-8"	---	---
L-89	31'-0"	38'-2"	---	---
L-90	31'-4"	38'-6"	---	---
L-91	31'-8"	39'-0"	---	---
L-92	32'-0"	39'-4"	---	---
L-93	32'-4"	39'-8"	---	---
L-94	32'-8"	40'-2"	---	---
L-95	33'-0"	40'-6"	---	---
L-96	33'-4"	41'-0"	---	---
L-97	33'-8"	41'-4"	---	---
L-98	34'-0"	41'-8"	---	---
L-99	34'-4"	42'-2"	---	---
L-100	34'-8"	42'-6"	---	---

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

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

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	NO FILL NO REBAR DETAIL "D"	FILLED #5 TOP DETAIL "E"	FILLED #5 T&B DETAIL "F"
L-1	1'-6"	2'-10"	933	7229	7229
L-2	2'-0"	3'-6"	846	4986	4986
L-3	2'-4"	4'-0"	524	4040	4040
L-4	2'-8"	4'-4"	442	3392	3392
L-5	3'-0"	4'-6"	350	2693	2693
L-6	3'-4"	5'-0"	316	2369	2369
L-7	3'-8"	5'-4"	271	2056	2056
L-8	4'-0"	5'-8"	227	1874	1713
L-9	4'-4"	6'-2"	200	1700	1502
L-10	4'-8"	6'-6"	181	1561	1406
L-11	5'-0"	7'-0"	160	1439	1303
L-12	5'-4"	7'-4"	142	1324	1203
L-13	5'-8"	7'-8"	127	1216	1106
L-14	6'-0"	8'-2"	114	1114	1014
L-15	6'-4"	8'-6"	102	1018	928
L-16	6'-8"	9'-0"	92	928	848
L-17	7'-0"	9'-4"	83	843	773
L-18	7'-4"	9'-8"	76	763	703
L-19	7'-8"	10'-2"	70	688	638
L-20	8'-0"	10'-6"	65	618	578
L-21	8'-4"	11'-0"	61	553	513
L-22	8'-8"	11'-4"	58	493	453
L-23	9'-0"	11'-8"	56	438	403
L-24	9'-4"	12'-2"	54	388	353
L-25	9'-8"	12'-6"	53	343	313
L-26	10'-0"	13'-0"	52	303	273
L-27	10'-4"	13'-4"	51	268	243
L-28	10'-8"	13'-8"	51	233	213
L-29	11'-0"	14'-2"	51	198	183
L-30	11'-4"	14'-6"	51	163	153
L-31	11'-8"	15'-0"	51	128	123
L-32	12'-0"	15'-4"	51	93	93

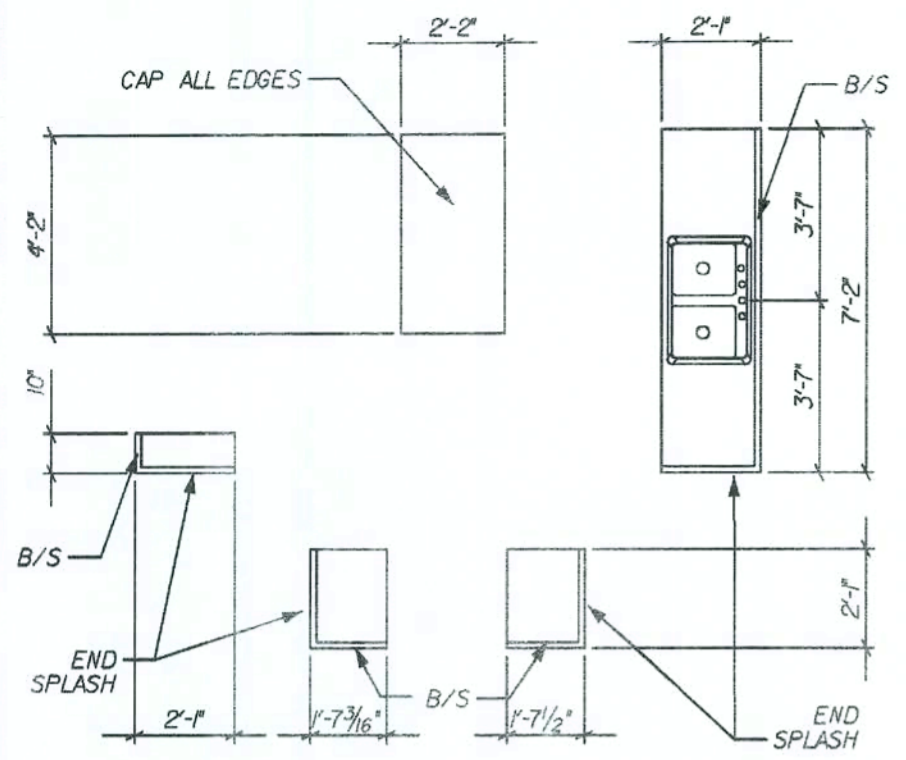
NOTE: ALL LITTELS GREATER THAN 22'-8" IN LENGTH WILL REQUIRE (2) #5 BARS TOP OR (2) #5 BARS TOP & BOTTOM

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

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	FILLED W/ #5 TOP DETAIL "G"	FILLED W/ #5 T&B DETAIL "H"
L-1	1'-6"	2'-10"	9030	9030
L-2	2'-0"	3'-6"	6224	6224
L-3	2'-4"	4'-0"	5043	5043
L-4	2'-8"	4'-4"	4231	4231
L-5	3'-0"	4'-6"	3531	3531
L-6	3'-4"	5'-0"	2951	2951
L-7	3'-8"	5'-4"	2559	2559
L-8	4'-0"	5'-8"	2130	2130
L-9	4'-4"	6'-2"	1866	1866
L-10	4'-8"	6'-6"	1629	1629
L-11	5'-0"	7'-0"	1404	1404
L-12	5'-4"	7'-4"	1179	1179
L-13	5'-8"	7'-8"	1064	1064
L-14	6'-0"	8'-2"	959	959
L-15	6'-4"	8'-6"	854	854
L-16	6'-8"	9'-0"	759	759
L-17	7'-0"	9'-4"	664	664
L-18	7'-4"	9'-8"	569	569
L-19	7'-8"	10'-2"	474	474
L-20	8'-0"	10'-6"	379	379
L-21	8'-4"	11'-0"	284	284
L-22	8'-8"	11'-4"	189	189
L-23	9'-0"	11'-8"	94	94

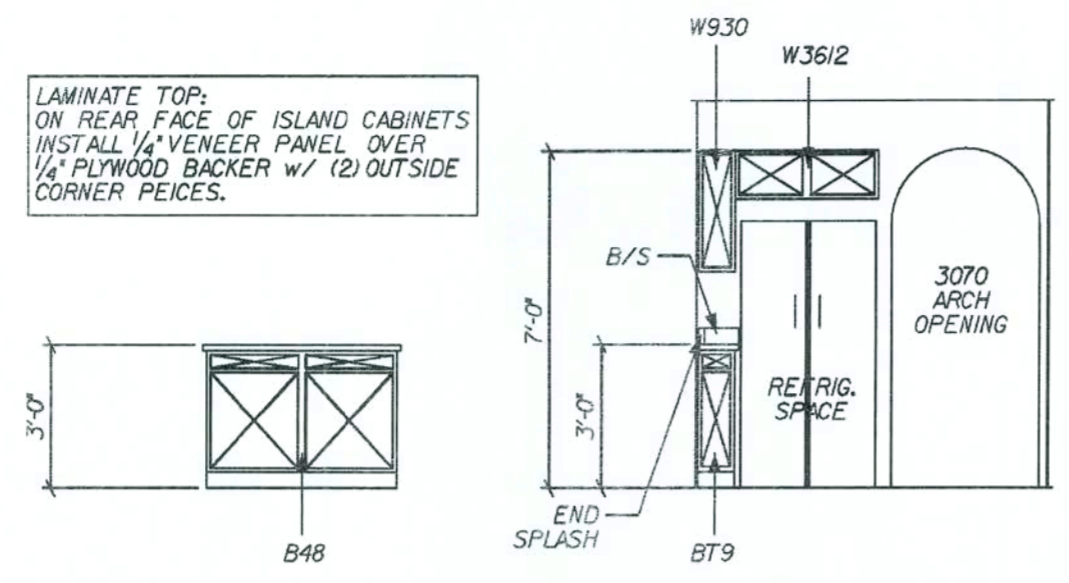
POWER LINTEL - PSbox8 (5-5/8") 14" COMPOSITE

MARK NO.	NOMINAL CLEAR SPAN	TOTAL LINTEL LENGTH	FILLED W/ #5 TOP DETAIL "I"	FILLED W/ #5 T&B DETAIL "J"
M-1	1'-6"	2'-10"	11377	11377
M-2	2'-0"	3'-6"	7845	7845
M-3	2'-4"	3'-8"	7278	7278
M-4	2'-8"	4'-0"	6355	6355
M-5	2'-10"	4'-2"	5975	5975
M-6	3'-0"	4'-4"	5638	5638
M-7	3'-4"	4'-6"	5336	5336
M-8	3'-8"	4'-8"	5064	5064
M-9	4'-0"	5'-0"	4203	4203
M-10	4'-4"	5'-4"	4031	4031
M-11	4'-8"	5'-8"	3725	3725
M-12	5'-2"	6'-2"	3231	3231
M-13	5'-6"	6'-6"	3127	3127
M-14	6'-0"	7'-0"	2691	2691
M-15	6'-4"	7'-4"	2617	2617
M-16	6'-8"	7'-8"	2358	2358
M-17	7'-0"	8'-0"	2051	2051
M-18	7'-4"	8'-4"	1965	1965
M-19	7'-8"	8'-8"	1777	1777
M-20	8'-0"	9'-0"	1571	1571
M-21	8'-4"	9'-4"	1240	1240
M-22	8'-8"	9'-8"	1060	1060

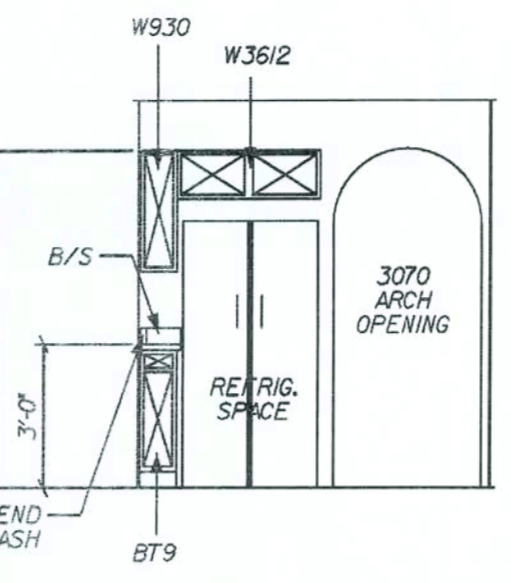


KITCHEN COUNTER TOP PLAN

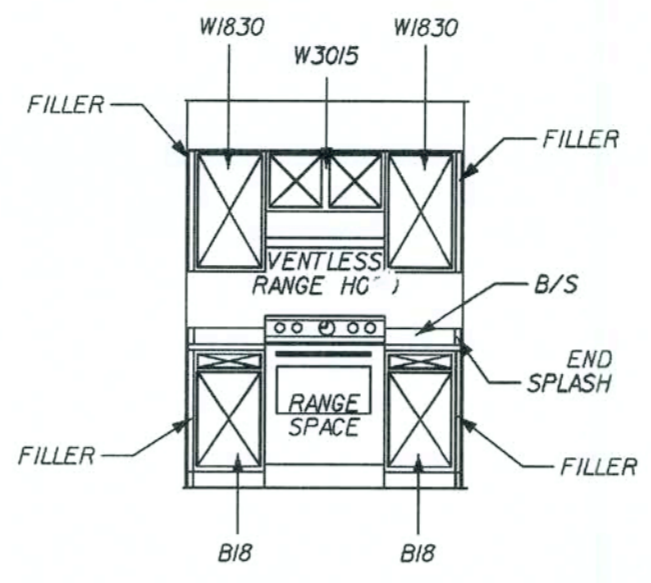
FOR COUNTER TOP CONSTRUCTION ONLY, NOT FOR FIELD USE



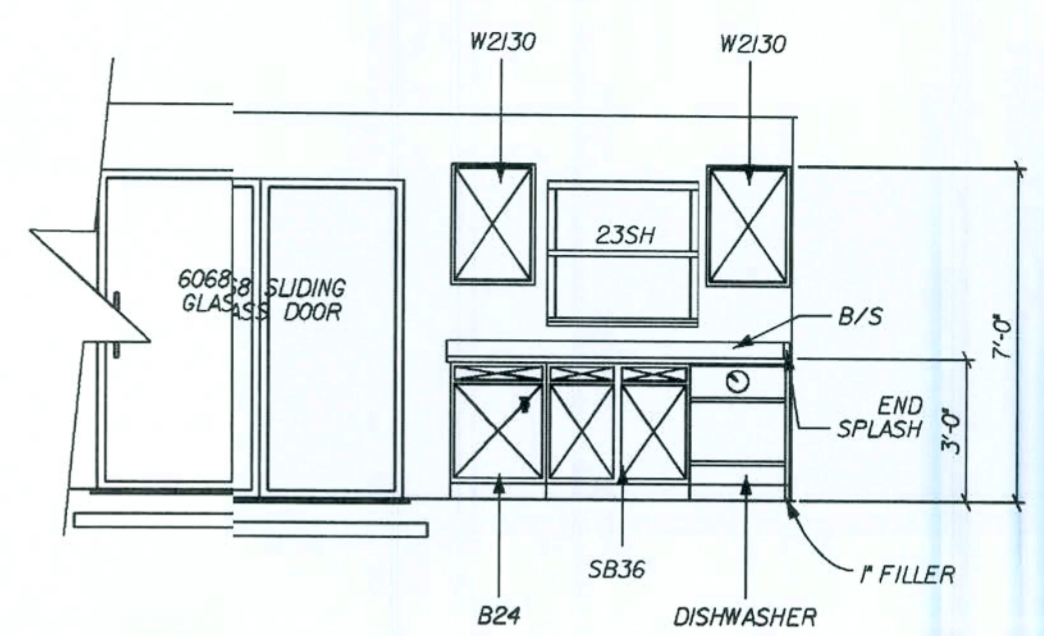
(D) KITCHEN ELEVATION



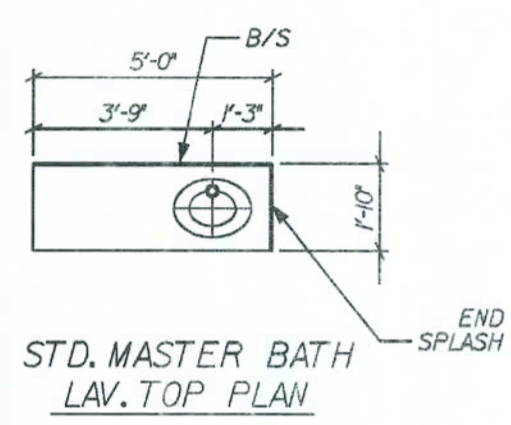
(C) KITCHEN ELEVATION



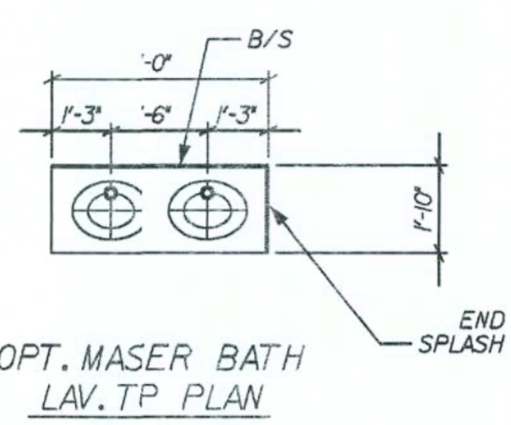
(B) KITCHEN ELEVATION



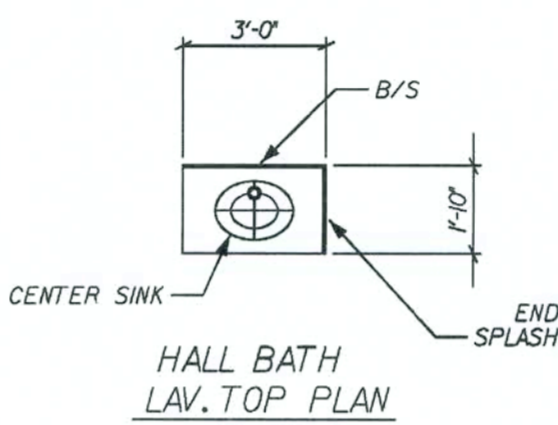
(A) KITCHEN ELEVATION



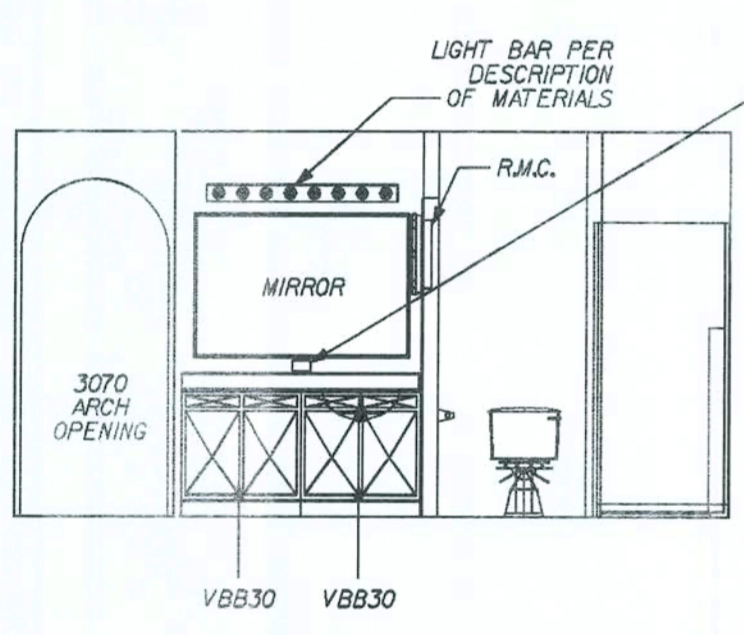
STD. MASTER BATH LAV. TOP PLAN



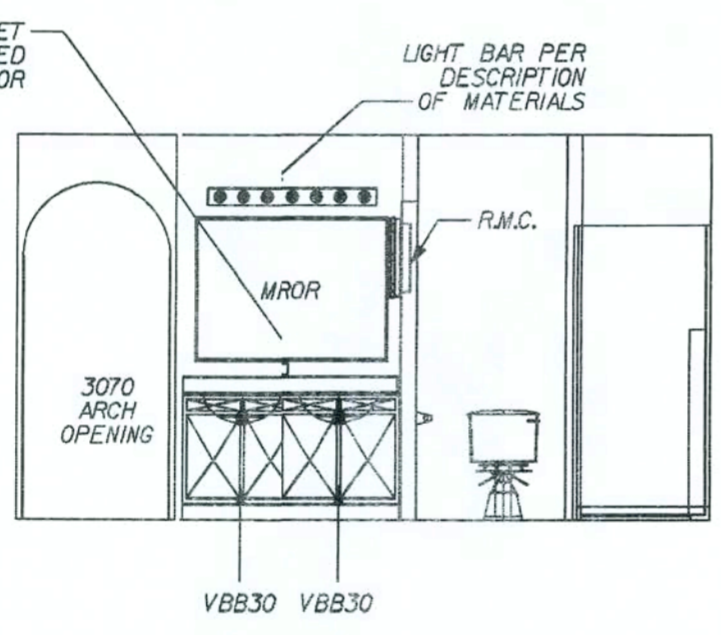
OPT. MASTER BATH LAV. TOP PLAN



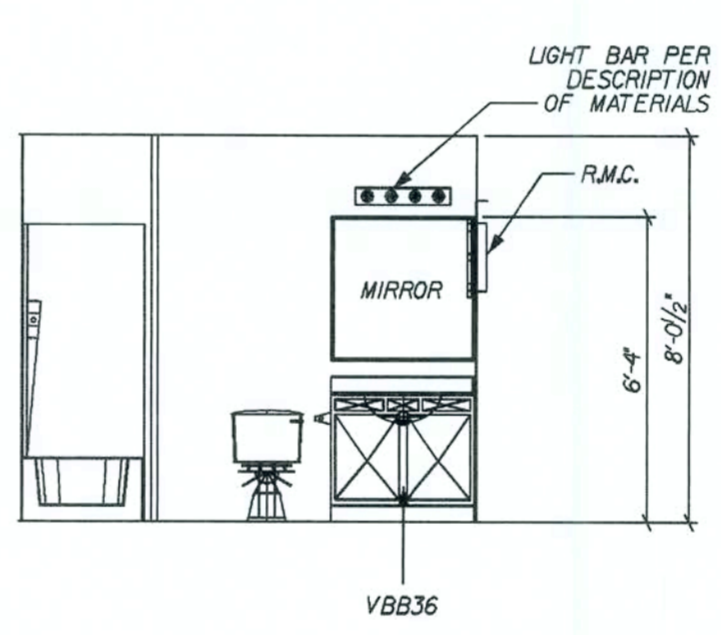
HALL BATH LAV. TOP PLAN



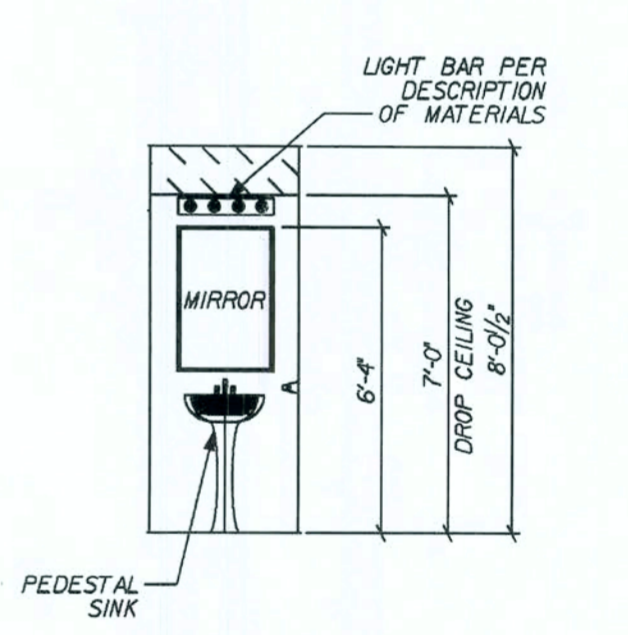
(G) STANDARD MASTER BATH ELEVATION



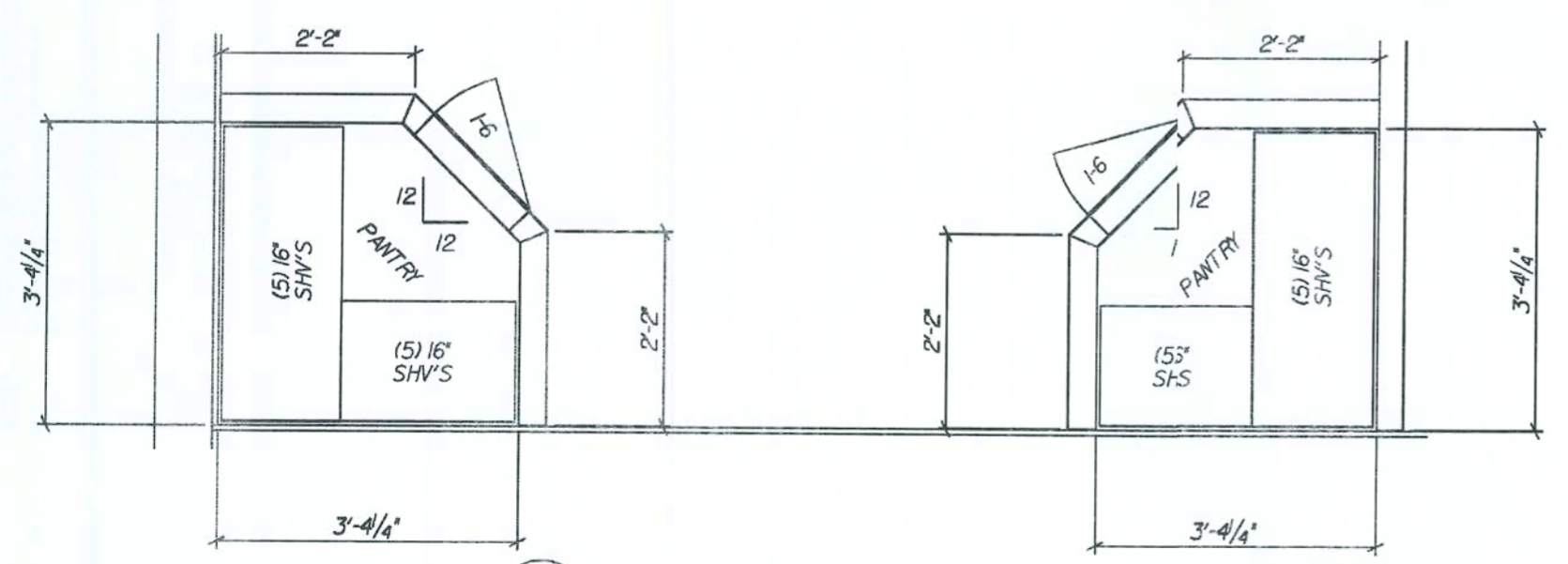
(G) OPTIONAL MASTER BATH ELEVATION



(F) HALL BATH ELEVATION



(E) ACCESS POWDER ROOM ELEVATION



(H) ENLARGED PANTRY PLAN

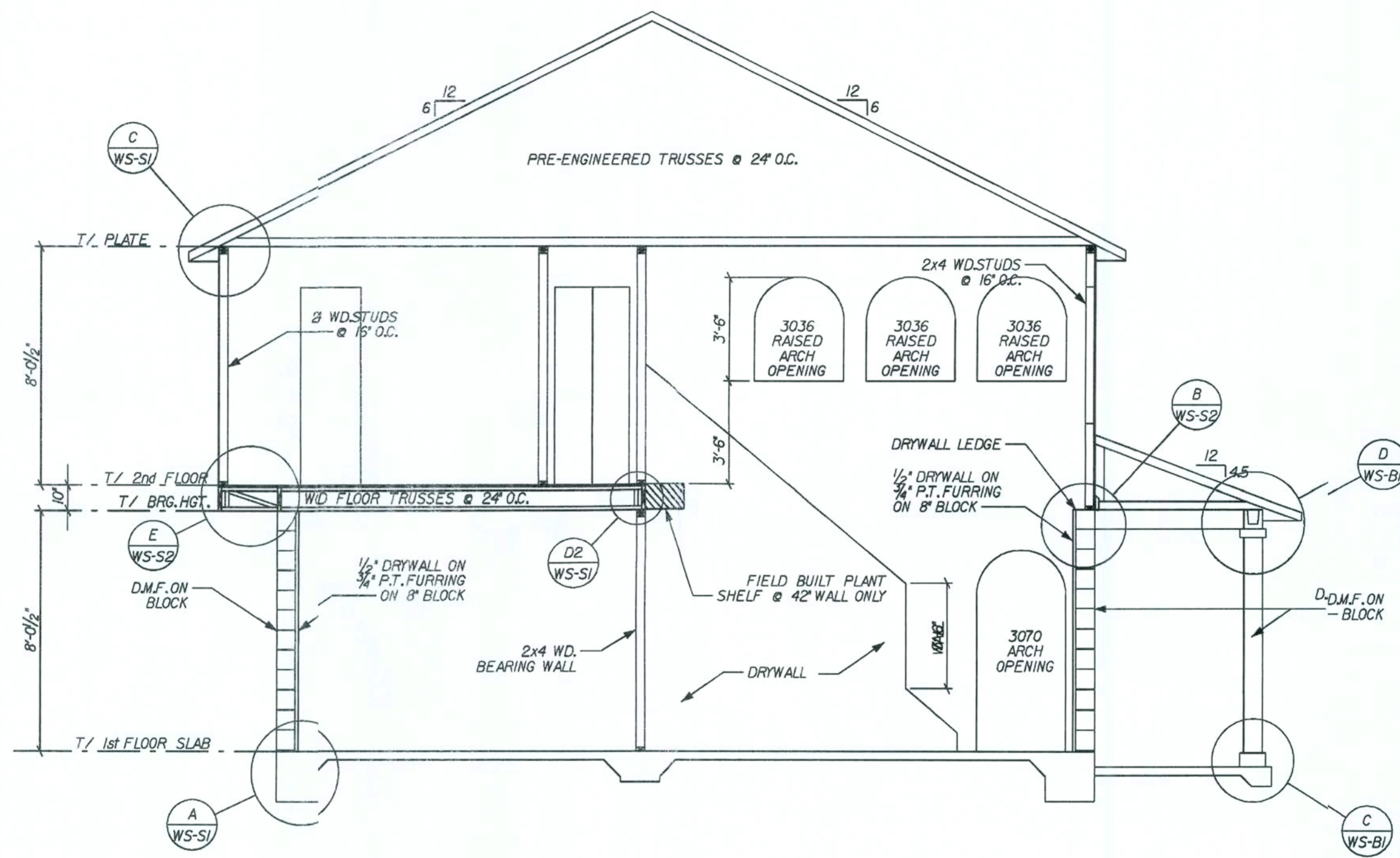
REVISIONS :

09-12-06	REV. KITCHEN CABINETS/FILLERS
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Maronda Homes
 (407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA
 FLORIDA STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 2004 RESIDENTIAL AND 2005 SUPPLEMENT

AMERICANA INTERIOR ELEVATIONS
SUNBURY-NEWBERRY
 DRAWN BY: GARAGE: LEFT
 RELEASE DATE: 10-08-04
 131843

SHEET:
3A
 PLOT DATE: 22 FEB 2008
 FLORIDA BUILDING CODE 2004 - RESIDENTIAL



(A) CROSS SECTION

REVISIONS :

02-15-06	REV. WOOD TRUSS FLOOR FRAMG
08-24-07	REV. OPNG SIZE 3038 -> 3036

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Maronda Homes

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

FLORIDA
THIS STRUCTURE WAS DESIGNED IN
ACCORDANCE AND MEETS THE REQUIRE-
MENTS OF THE FLORIDA BUILDING CODE
SECTION 5 RESIDENTIAL AND 608.06 SUP-
PLEMENT

197104088_05\Sunbury\stn\Sunb17.r250

AMERICANA BLD. CROSS SECTION

SUNBURY

ELEVATION "V"

DRAWN BY: GARAGE: LEFT

RELEASE DATE: 03-20-06

1316943

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

Tomas Ponce P.E.
License No. 0050068

August 28, 2008

SHEET:

CSU

PLOT DATE: 22 FEB 2008

GENERAL SECOND FLOOR NOTES:

ALL EXTERIOR WALLS SHALL BE CONSIDERED SHEAR WALLS MINUS ALL WINDOW AND DOOR OPENINGS.
 EXTERIOR WALLS TO BE 4" THICK, CONSISTING OF 2x4 #2 SYP. STUDS w/ 1/8" OSB SHEATHING, TYPICAL, U.N.O.

EXTERIOR OPENING DIMENSIONS ARE TO FACE OF ROUGH OPENING

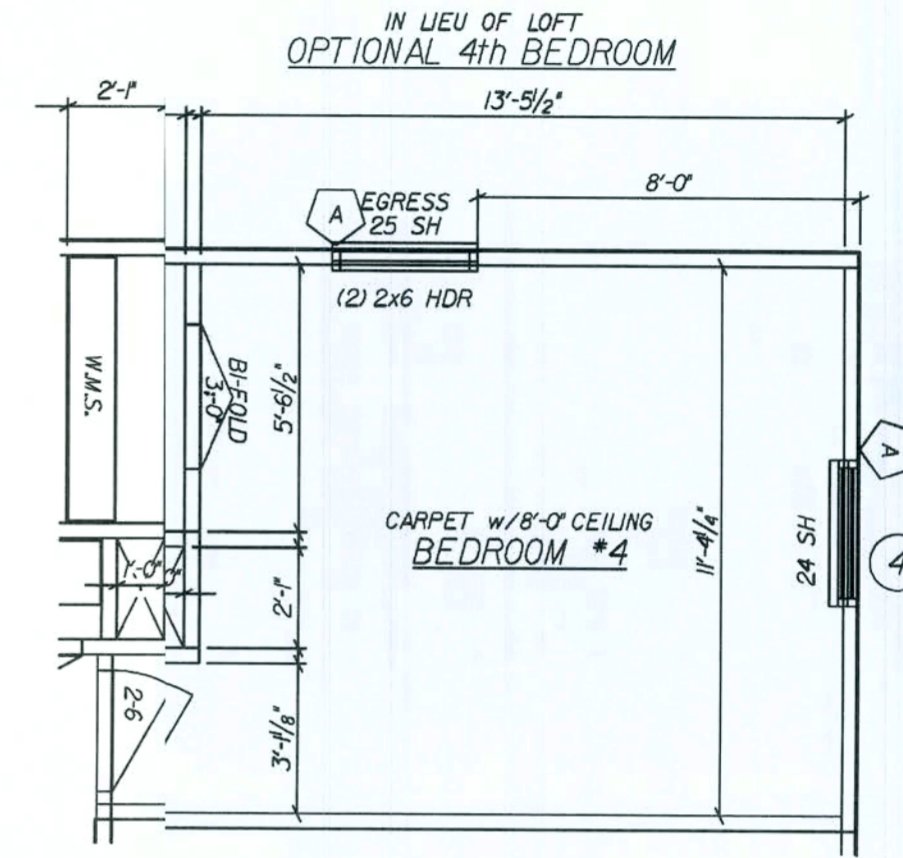
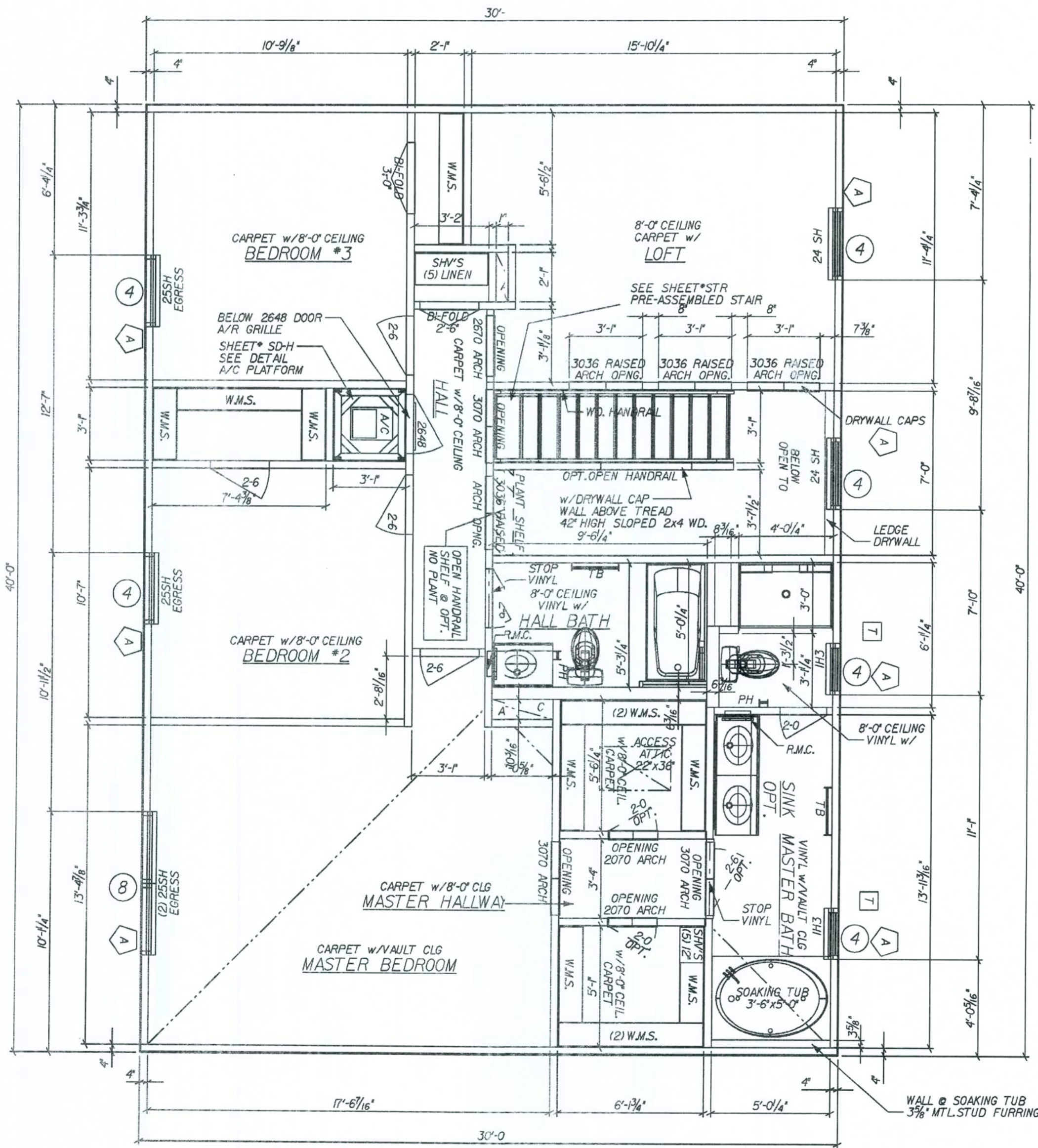
INTERIOR NON-LOAD BEARING WALLS TO BE NOMINAL 3/8" MTL. STUD, 25 ga. U.N.O.

PROVIDE SAFETY GLAZING AT: T - TEMPERED
 ALL WINDOWS OVER BATH TUBS.
 ALL WINDOWS WITHIN 24" OF A DOOR SWING.
 ALL SLIDING GLASS DOORS.
 ALL FIXED GLASS LITES OVER 30 SQ. FT.
 ALL LITES WITHIN 18" OF THE FLOOR AND IF LARGER THAN 9 SQ. FT.
 ALL SHOWER ENCLOSURES.
 PROVIDE AFCIs (arc-fault circuit interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210-12
 ALL BEDROOM WINDOWS ARE CONSIDERED EGRESS UNLESS OTHERWISE NOTED

SEE SHEET *WL FOR WINDOW AND LINTEL SCHEDULES AND DETAILS

OPENING PRESSURES 125mph:			TSH WINDOW HEADERS	
A	B	E	4	3 1/2" x 4 3/8" TSH
+28.1 / -30.5	+23.7 / 27.6	+24.2 / -27.1	8	3 1/2" x 8 3/8" TSH
C	C			
+28.1 / -37.6	+24.9 / 29.7			

REVISED 09-12-07
 REVISED 05-23-07



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

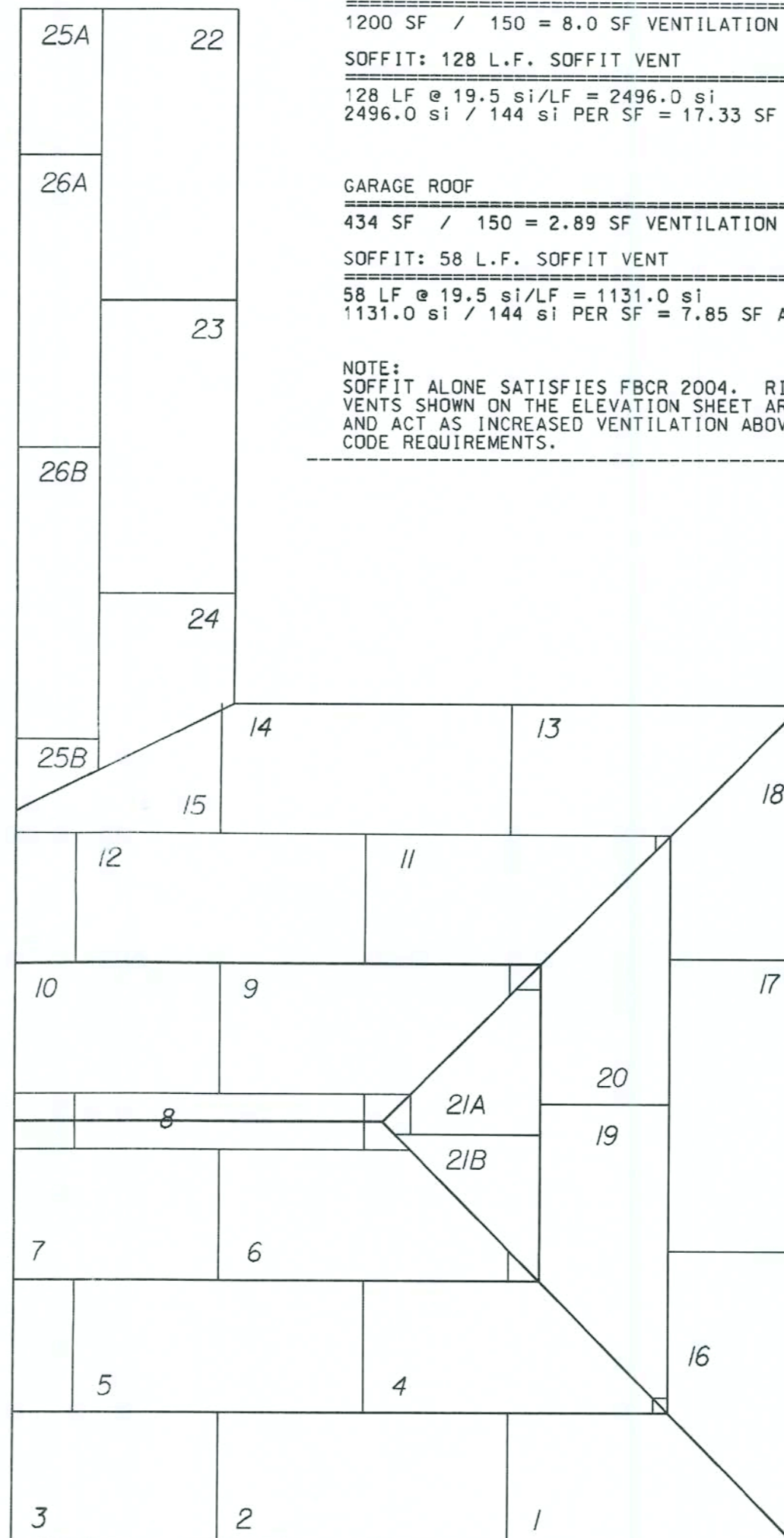
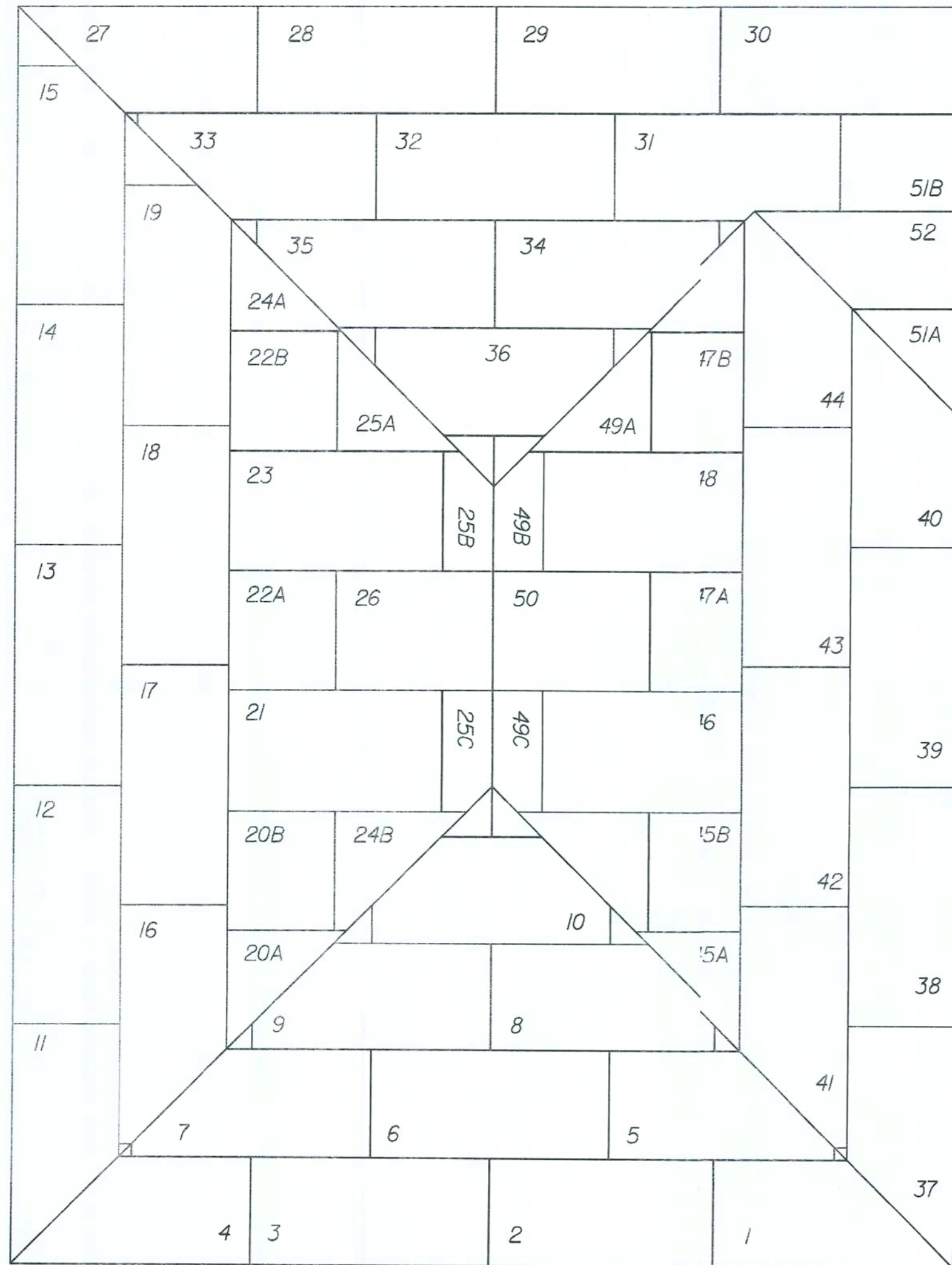
FLORIDA CONTRACTURE WAS DESCRIBED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION 903.0 OF THE FLORIDA BUILDING CODE 2004, RESIDENTIAL AND 2005, BUILDING CODE FOR LOW-RISE BUILDING. GUEST AND EXPOSURE FOR UNFINISHED ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA SECOND FLOOR PLAN
SUNBURY
 ELEVATION "V"
 GARAGE: LEFT
 125 MPH
 DRAWN BY:
 RELEASE DATE: 03-20-06
 13:8845

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

Tomas Ponce P.E.
 License No. 0050068
 August 28, 2008

SHEET:
 4V



VENTILATION OF ATTIC SPACE: SUNBURY 3V

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) = 26.11 si/LF
 26.11 si / 1.34' = 19.5 si/LF PER 12" wide soffit

CALCULATIONS:
 MAIN ROOF

1200 SF / 150 = 8.0 SF VENTILATION REQUIRED

SOFFIT: 128 L.F. SOFFIT VENT

128 LF @ 19.5 si/LF = 2496.0 si
 2496.0 si / 144 si PER SF = 17.33 SF ACTUAL

GARAGE ROOF

434 SF / 150 = 2.89 SF VENTILATION REQUIRED

SOFFIT: 58 L.F. SOFFIT VENT

58 LF @ 19.5 si/LF = 1131.0 si
 1131.0 si / 144 si PER SF = 7.85 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.

GENERAL ROOF NOTES:

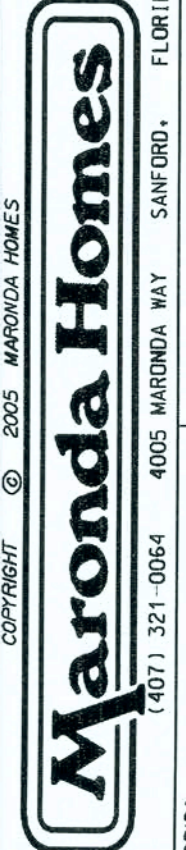
7/16" OSB SHT'G w/ 8d RING/SCREW SHANK
 NAIL (AS PER R803.2.3) 4" O.C. EDGE &
 8" O.C. FIELD, 13" O.C. GABLE END TRUSS
 w/ CLIPS ON PRE-ENGINEERED TRUSSES
 @ 24" O.C.

TOTAL ROOF SHEATHING:

52 [MAIN] + 26 [GARAGE] = 78

REVISED 05-07-07

REVISIONS:	06-13-06	REV. ATTIC VENTILATION CALCS.
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THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE ELEMENT RESIDENTIAL AND 2005, 2006 SUPPLEMENT

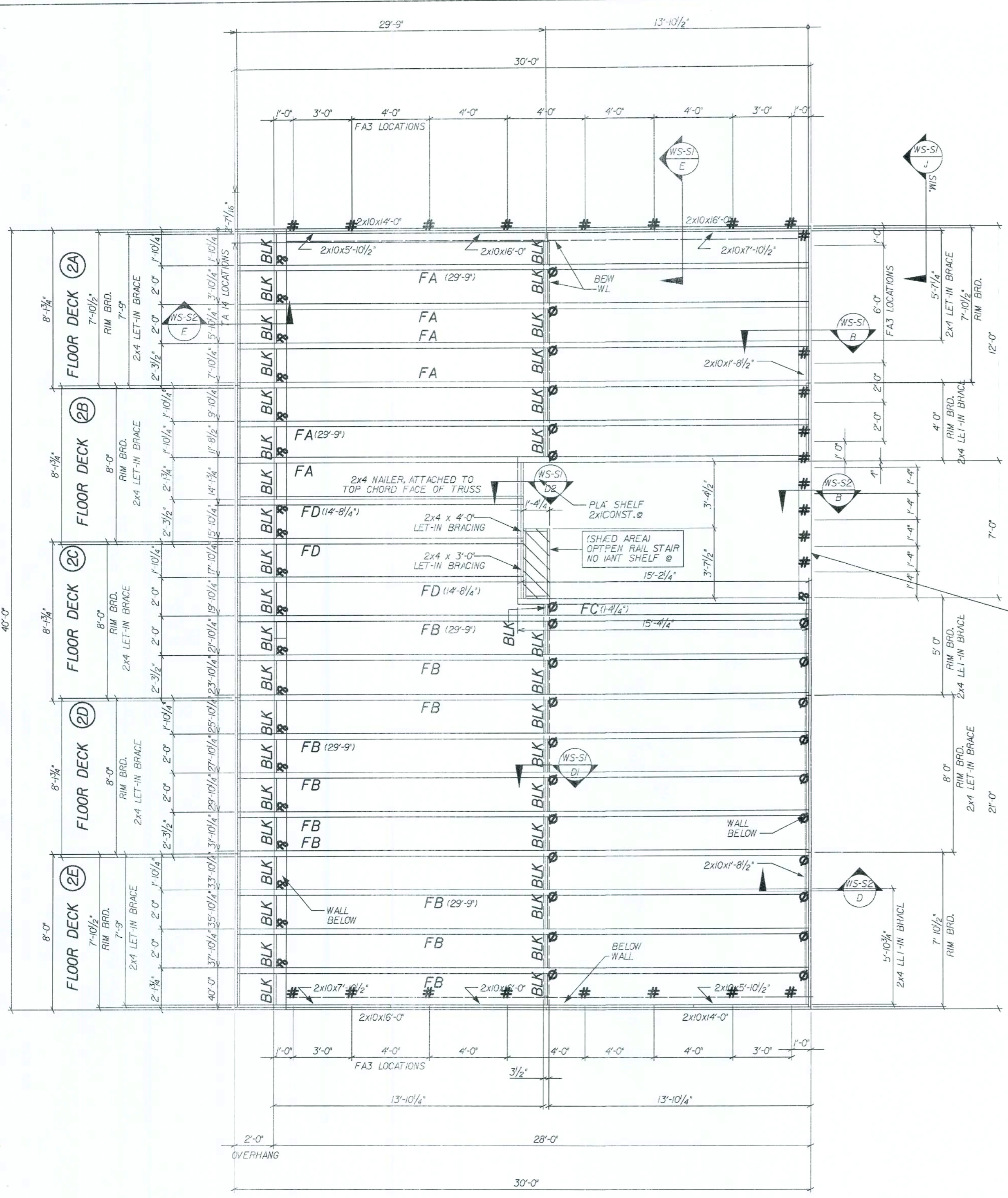
AMERICANA ROOF LAYOUT
SUNBURY
 ELEVATION "V"

DRAWN BY: GARAGE: RIGHT
 RELEASE DATE: 03-20-06

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

Tomas Ponce
 Tomas Ponce P.E.
 License No. 0050068
 August 28, 2008

SHEET:
 RSIW



ERECTION/INSTALLATION NOTES

WARNING!

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

NOTE:

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

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

FLOOR FRAMING NOTES:

9/4" DEEP WOOD FLOOR TRUSSES @ 24" O.C., U.N.O.

2x10 WOOD RIM BOARD

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

DEFLECTION:
 LL = L/360
 TL = L/240

ROOF LOADS ASSUMED TO BE BEARING ON PERIMETER WALLS ONLY.

FLOOR SHEATHING:
 3/4" T&G WOOD DECKING GLUED & NAILED w/ 7d x 2 1/4" SCREW SHANK NAIL @ 4" O.C. EDGES AND 8" O.C. FIELD (TYP.) OR 16ga. x 1 1/2" STAPLE @ 2" O.C. EDGES AND 4" O.C. FIELD. SEE SHEET # FD0. GLUE MUST BE INCLUDED IN THE GROOVE OF EACH PANEL AND B/WV SHEATHING AND TRUSSES.

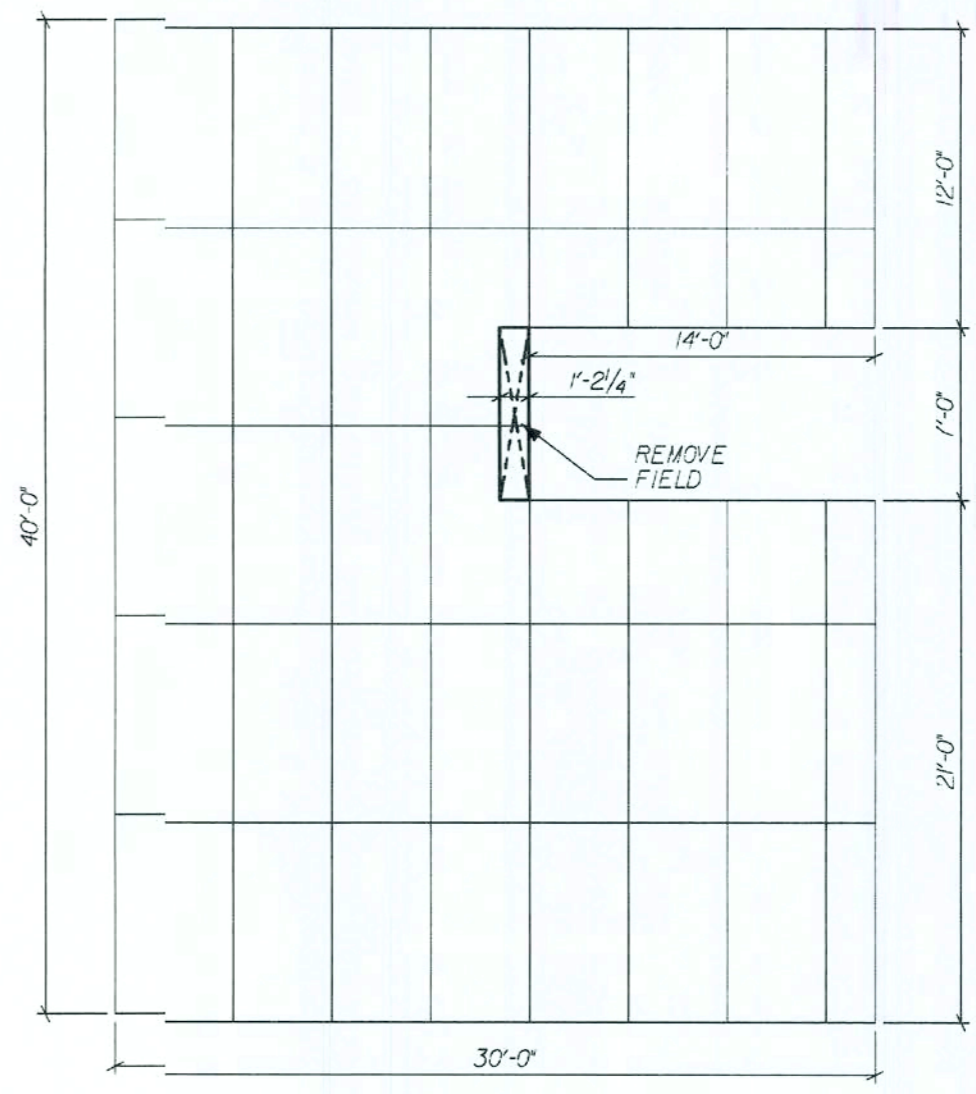
FLOOR CONNECTORS:
 # FA3, RIM BOARD CONNECTION DETAIL * B/W/S-S1 & LADDER TRUSS CONNECTION DETAIL * E/W/S-S1
 Ø TYPICAL ATTACHMENT TO BEARING WALL w/ (2) 10d NAILS, TOE-NAILED. SEE DETAIL D/W/S-S1
 BLK SOLID WOOD FIRE BLOCKING SEE DETAIL F/W/S-S1
 * LPTA, SEE DETAIL SHEET B/W/S-S2
 & TA#4, SEE DETAIL SHEET E/W/S-S2

FLOOR FRAMING:

ITEM	DESCRIPTION
RIM BRD.	2 x 10
FA - FD	9/4" WOOD TRUSS

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

ELEVATION H, S ONLY
 INSTALL NO FA3



REVISED 05-02-07 NAIL SPACING

REVISIONS:

09-28-06	ADDED RUNNING DIMS FOR TA#4
02/16/07	CHANGE LPTAS TO FA3
04-24-07	REMOVED GABLE TRUSS
12-12-07	ADDED FE TRUSSES
12-12-07	ADDED 2x10 FOR FLOOR
3-10-08	REMOVED CRANING BLOCKS
4-30-08	REMOVED FE TRUSSES (TJM)



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

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004: RESIDENTIAL AND 2004 SUPPLEMENT FOR 125 MPH - 3 SEC. GUST, HALEXPOSURE, BE ENCLOSED BUILDING TO WITHSTAND ALL APPLICABLE LOADS.

AMERICANA FRAMING PLAN
SUNBURY
 2nd FLOOR FRAMING PLAN

DRAWN BY: J. PITCOCK GARAGE: LEFT
 RELEASE DATE: 02/15/07 125 MPH
 07-55499

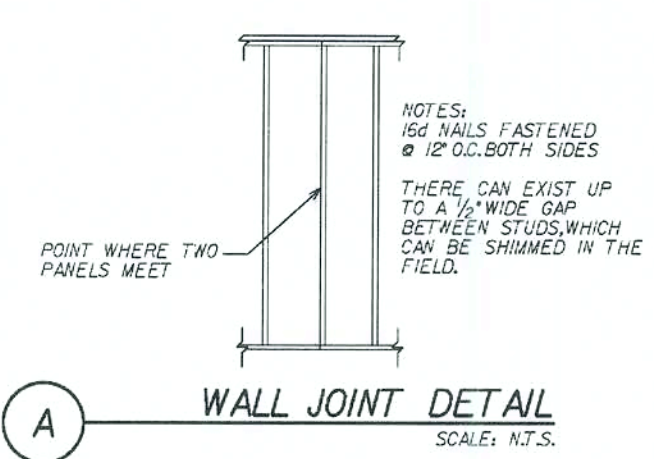
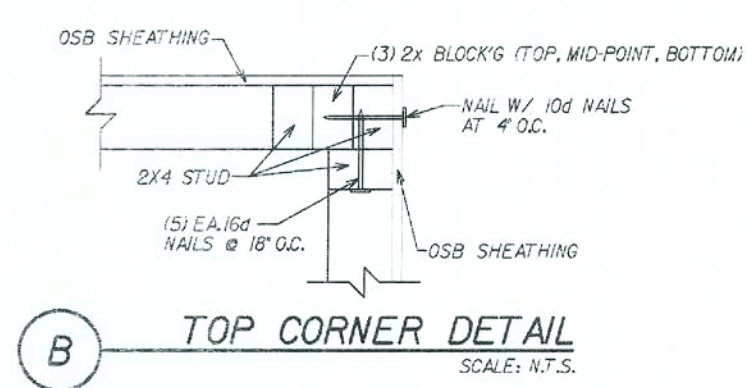
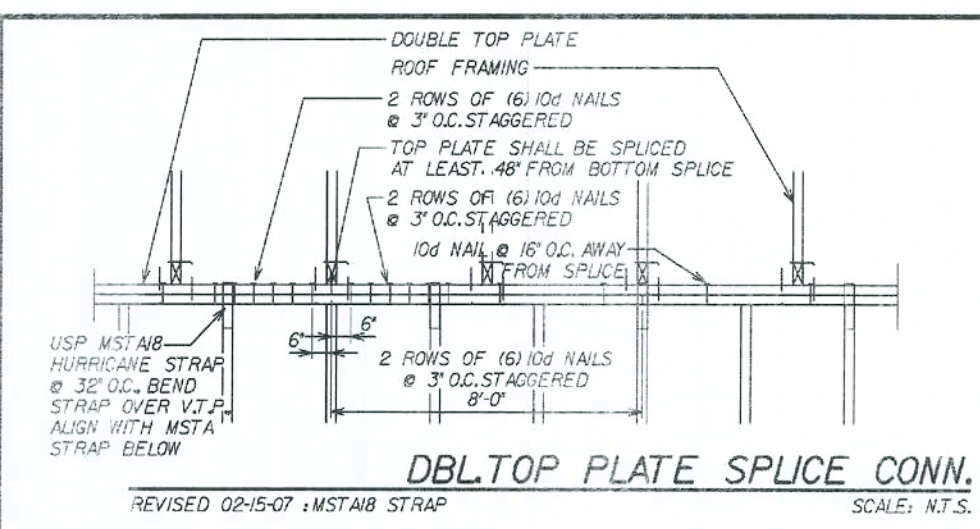
Maronda Systems
 4005 Maronda Way
 Sanford, FL 32771
 (407) 321-0064

Tomas Ponce P.E.
 License No. 0050068

August 28, 2008

SHEET:
FT2

38 SHEETS - 4x8 SHEATHING
 SECOND FLOOR SHEATHING LAYOUT



WALL STRAP KEY
(UNDER SHEATHING)

(S1) - RSPT4

(ON TOP OF SHEATHING)

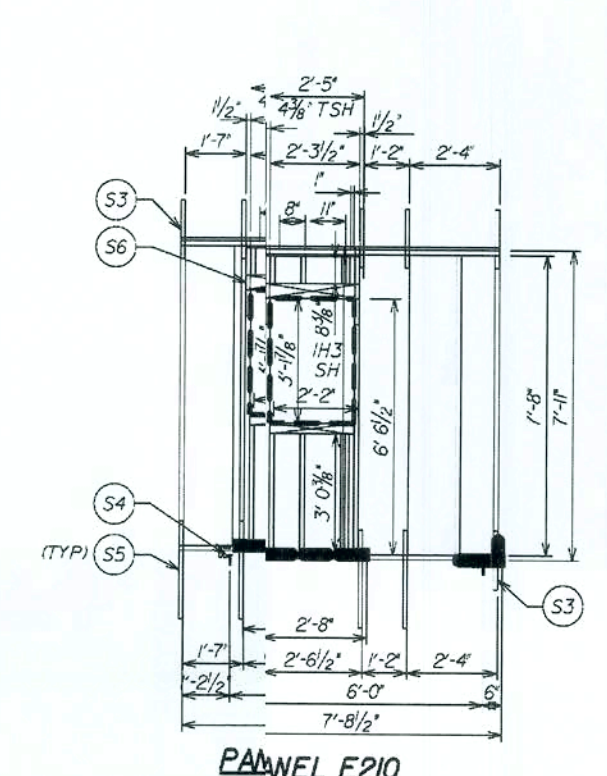
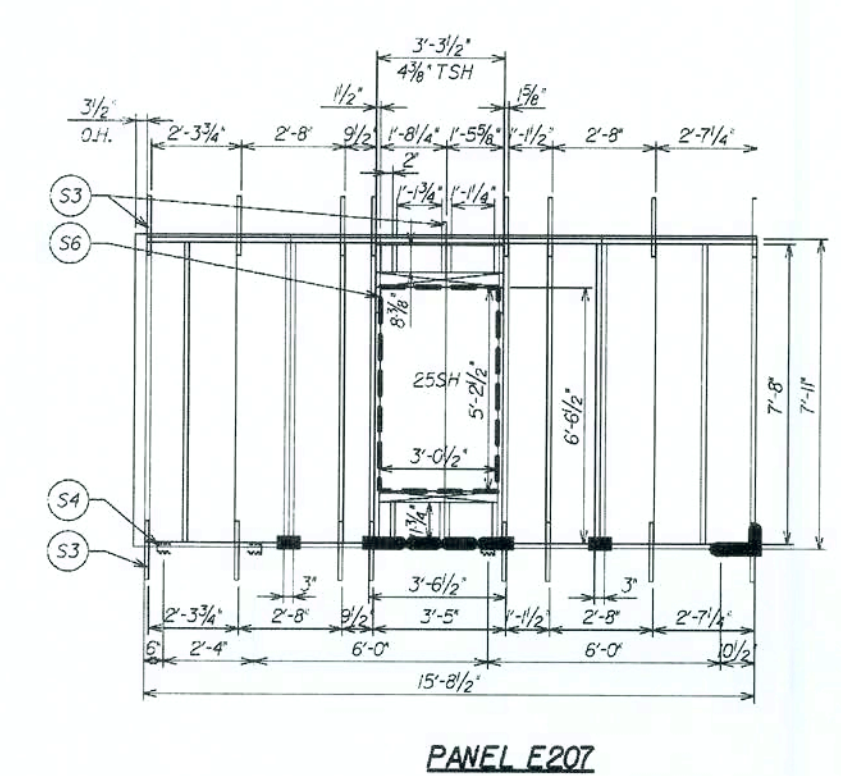
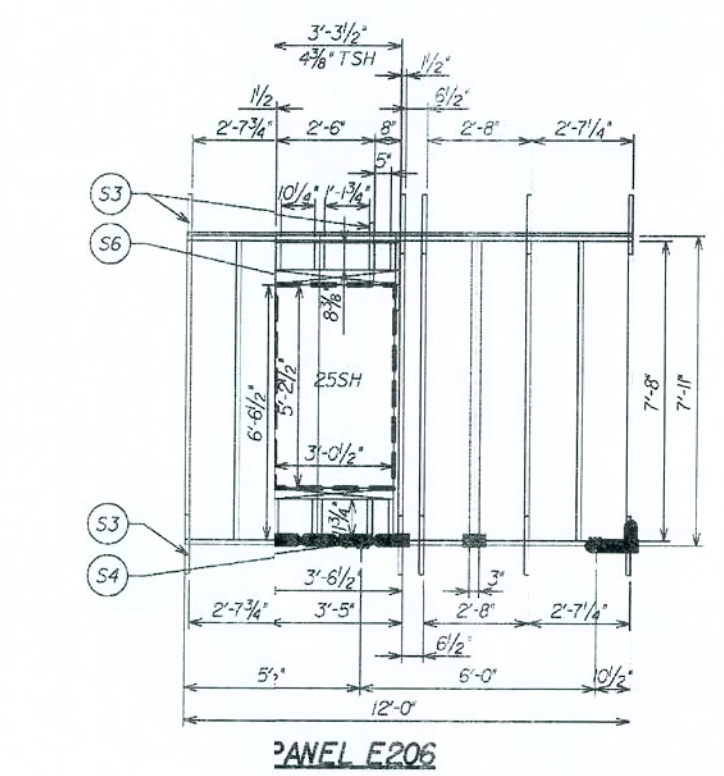
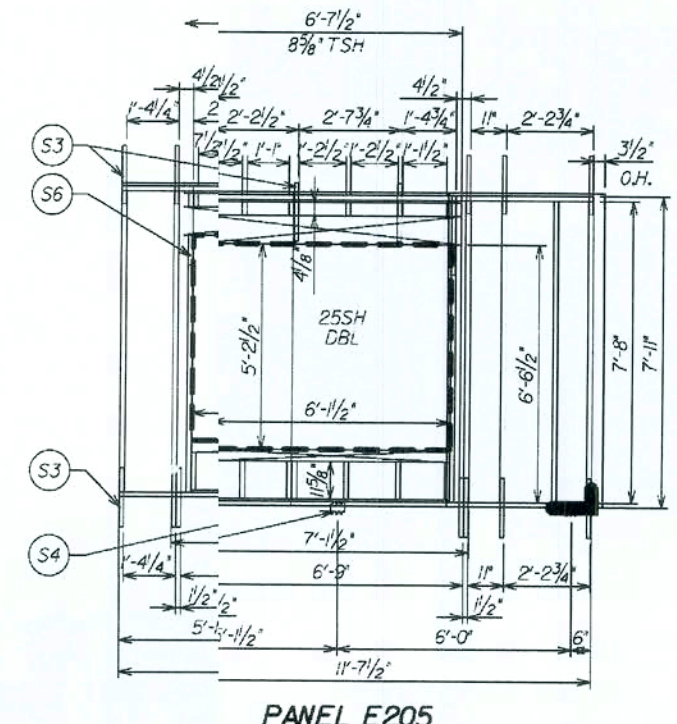
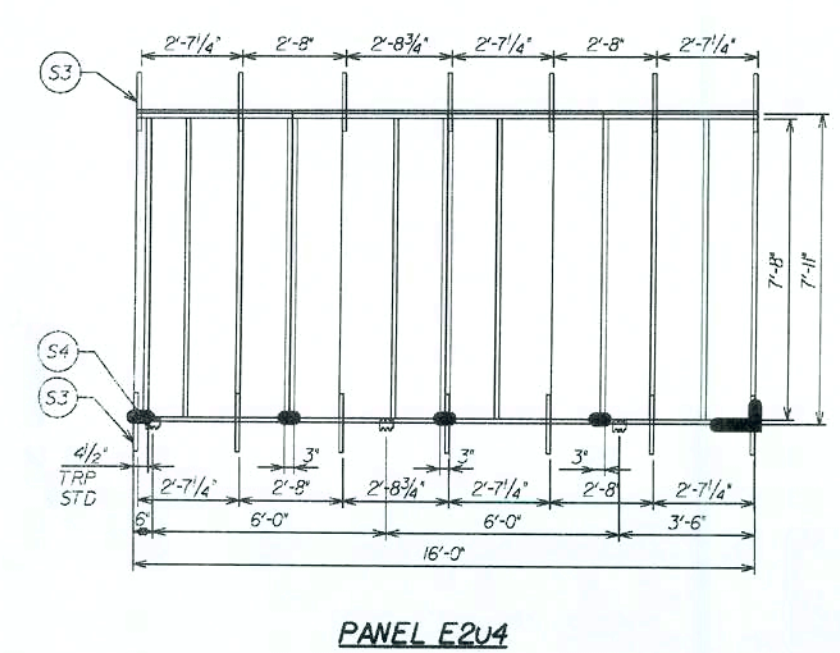
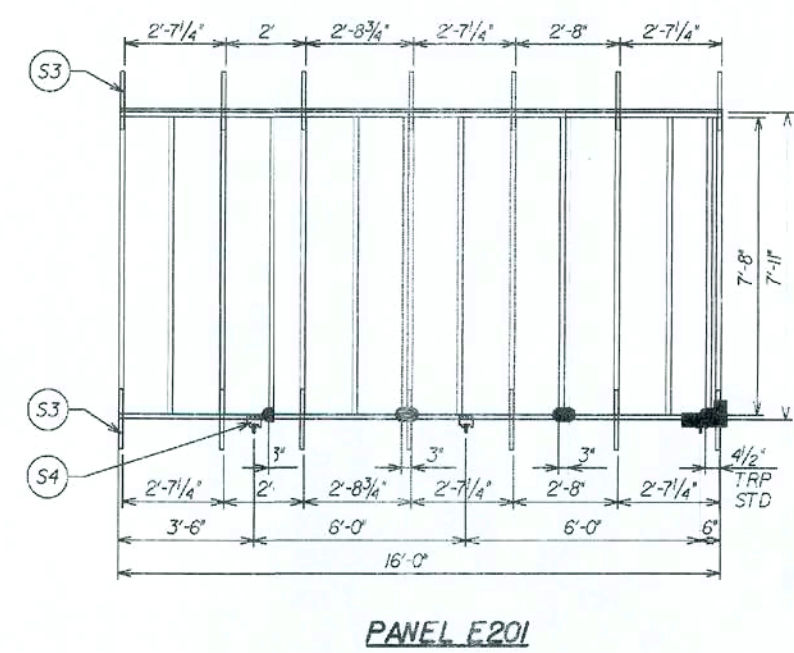
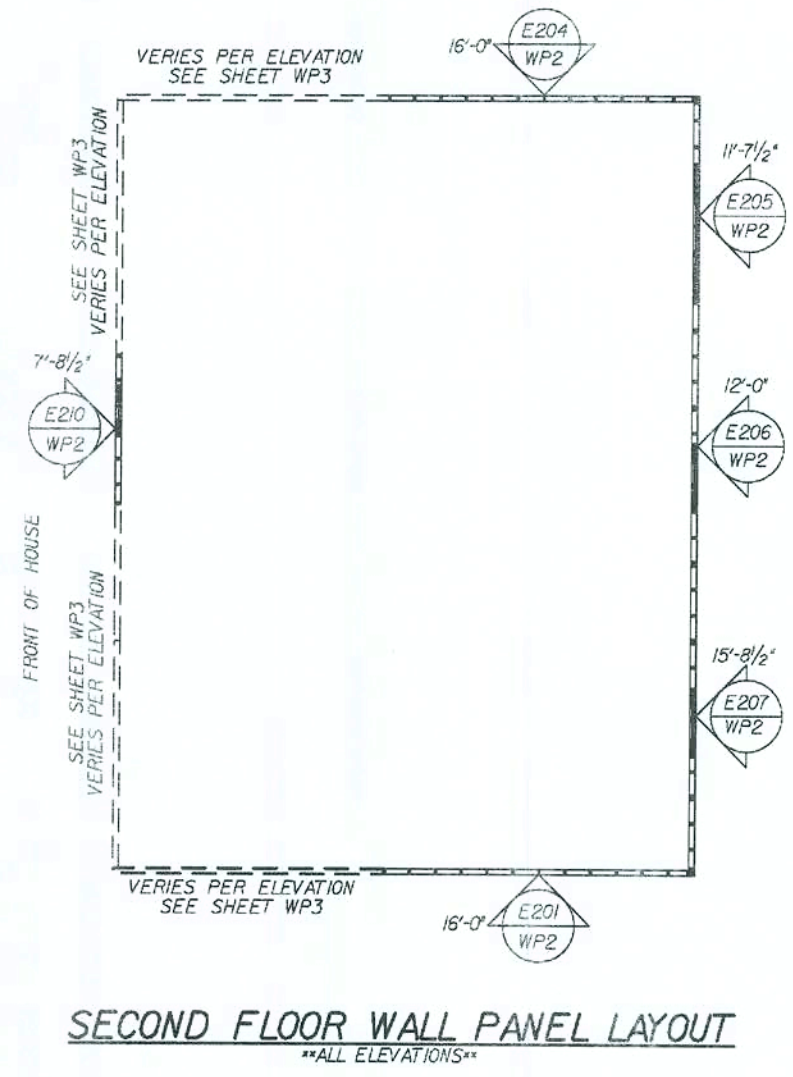
(S2) - MSTA12 (BENT)

(S3) - MSTA16

(S4) - MP6F

(S5) - MSTA30

(S6) - MSTA24



REVISIONS:

Maronda Homes
14011 321-0064 4005 MARONDA WAY SANK UDU, FL 32711

AMERICANA WALL PANEL LAYOUT

SUNBURY

ALL ELEVATIONS

6/28/2007

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

Tomas Ponce P.E.
License No. 0050068

August 28, 2008

SHEET: **WP2**

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

THIS DRAWING WAS PRINTED BY USING THE TANNER 'vncad' SOFTWARE AND HAS BEEN REVIEWED BY SE, OS, ST, MF, AG, TP, EB, DR, TY, AND TT.

THIS DRAWING WAS PRINTED BY USING THE TOWERMAN VISION SOFTWARE AND HAS BEEN REVIEWED BY SE. JG. TP. EB. DR. TY. AND TT.

GENERAL TRUSS NOTES:
 PROVIDE TRUSS BRACING PER TRUSS ENGINEERING AND TP11B-91
 ROOF TRUSS LOADING:
 16 psf TOP CHORD LL
 7 psf TOP CHORD DL
 10 psf BOTTOM CHORD LL
 10 psf BOTTOM CHORD DL
 43 psf TOTAL LOAD

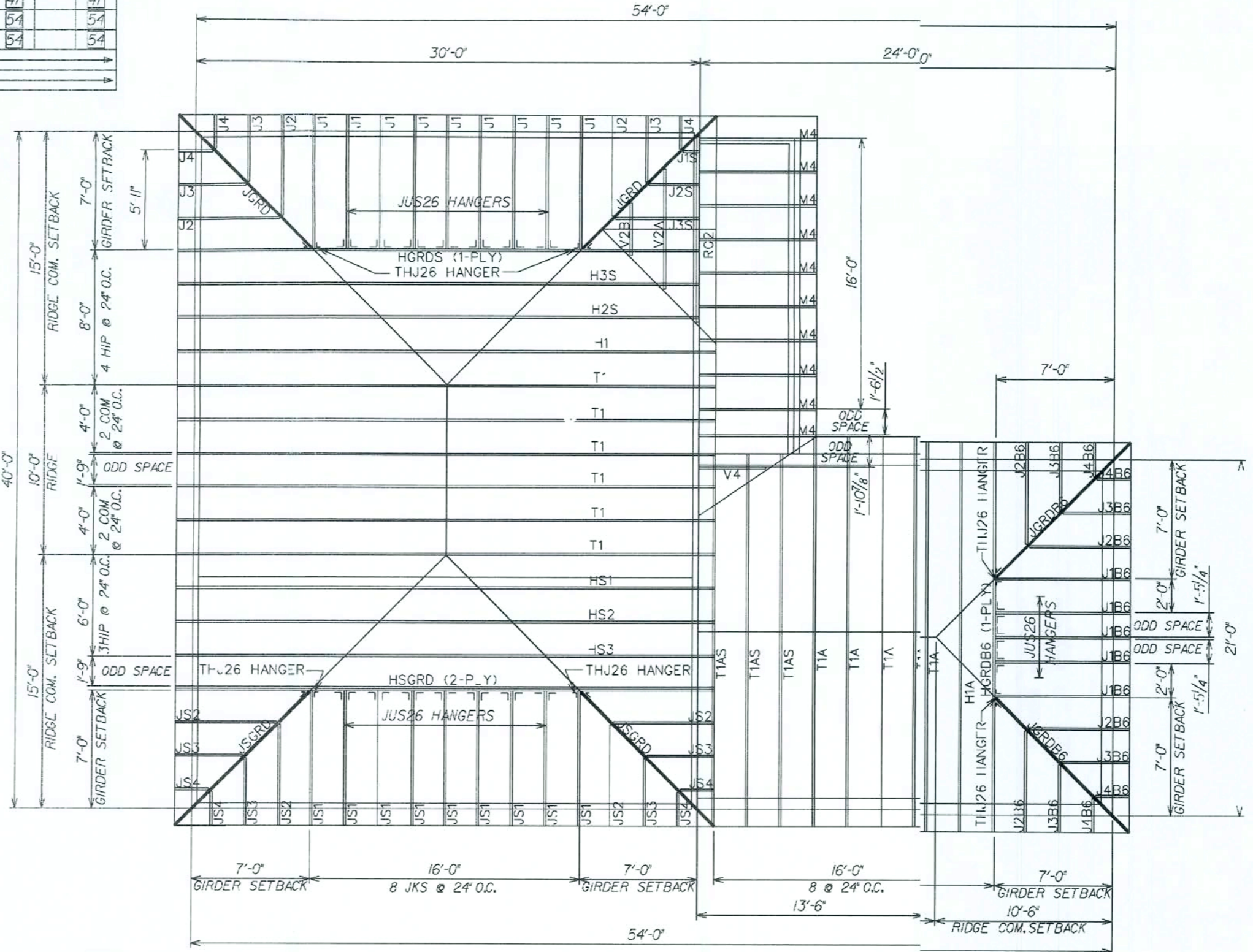
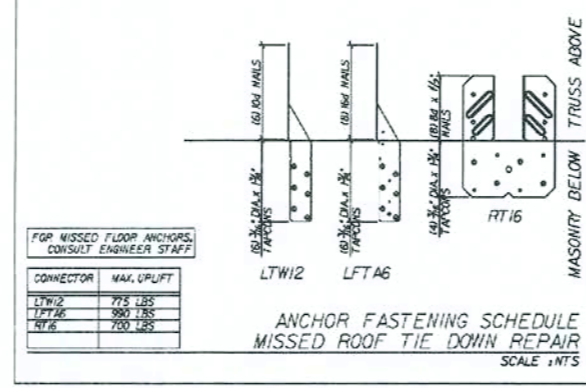
TRUSS HARDWARE SCHEDULE

TRUSS ID	TRUSS TYPE	QUAN.	PUFT		STRAP	
			LEFT	RIGHT	LEFT	RIGHT
H1	HIP	1	300	300	47	47
H1A	HIP	1	237	237	54	54
H2S	HIP	1	212	285	47	47
H3S	HIP	1	194	267	47	47
HGRD5	1-PLY HIP GIRDER	1	1220	1245	20	20
HGRD6	1-PLY HIP GIRDER	1	876	876	54	54
HS1	HIP SCISSOR	1	296	296	47	47
HS2	HIP SCISSOR	1	281	281	47	47
HS3	HIP SCISSOR	1	263	263	47	47
HSGRD	2-PLY HIP GIRDER	1	1259	1259	18	18
J1	END JACK	14	111	100	50	3
J1B6	END JACK	14	120	97	54	3
J5	END JACK	1	3	22	33	N
J2	CORNER JACK	7	104	95	50	N
J2B6	CORNER JACK	7	114	91	54	N
J2S	CORNER JACK	1	11	62	50	N
J3	CORNER JACK	7	101	44	50	N
J3B6	CORNER JACK	7	113	37	54	N
J3S	CORNER JACK	1	22	160	50	N
J4	CORNER JACK	7	111	7	50	N
J4B6	CORNER JACK	7	116	11	54	N
JGRD	KING JACK	4	169	237	24	15
JGRD66	KING JACK	4	157	218	24	15
J51	END JACK	9	105	102	50	3
J52	CORNER JACK	4	98	98	50	N
J53	CORNER JACK	4	94	48	50	N
J54	CORNER JACK	4	98	7	50	N
J56D	KING JACK	2	180	248	24	15
M4	MONO TRUSS	10	214	159	53	50
R62	GABLE	1	167	165	50	50
T1	COMMON	6	309	309	47	47
T1A	COMMON	4	247	247	54	54
TIAS	COMMON	3	247	164	54	54
V2A/V2B	VALLEY TRUSS				33	
V4	VALLEY TRUSS				33	

USP HARDWARE - 160%

MARK	PRODUCT CODE #	MAN.	FASTENERS	UPLIFT
N	16d NAILS - (2) TOP CHORD NAILS / (2) BOTTOM CHORD NAILS			
1	HUS 26	USP	(14) 16d HEADER (8) 16d TRUSS	1925
2	HUS 28	USP	(22) 16d HEADER (8) 16d TRUSS	2570
3	JUS 26	USP	(4) 10d HEADER (4) 10d TRUSS	1115
4	MP6F	USP	HEADER/STUD (16) 8d TYPE 1 (3) 16d PLATE (16) 8d	605
5	MPA1 & MPA1F	USP	HEADER/STUD (16) 8d (3) 16d PLATE (16) 8d	660
6	SKH 26 L/R	USP	HEADER (8) 16d JACK (8) 10d x 1 1/2"	1085
7	SKH26 L/R	USP	HEADER (8) 16d JACK (8) 10d x 1 1/2"	2190
8	SUH 26	USP	HEADER (8) 16d JACK (8) 10d x 1 1/2"	725
9	SUH 28	USP	HEADER (8) 16d JACK (8) 10d x 1 1/2"	800
10	THD26	USP	HEADER (8) 16d TRUSS (8) 10d x 1 1/2"	2170
11	THD28	USP	HEADER (8) 16d TRUSS (8) 10d x 1 1/2"	2330
12	THD28-2	USP	HEADER (8) 16d TRUSS (8) 10d x 1 1/2"	2485
13	THDM28-3	USP	HEADER (8) 16d TRUSS (8) 10d x 1 1/2"	2665
14	THD48	USP	HEADER (8) 16d TRUSS (8) 10d x 1 1/2"	2485
15	THJ 26	CLEVELAND	1 1/2" TIE-ROD/HEADER/TIE ROD JACK (8) 10d x 1 1/2"	1010
16	(2) MTW 12	USP	(14) 10d x 1-1/2"	2060
17	(2) MUGT15	USP	ANCHOR BOLT (11) 5/8" GIRDER (12) 10d x 1 1/2"	8330
18	(2) RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d x 1 1/2"	2320
19	(2) HSTA24	USP	(18) 10d (18) 10d	3280
20	(2) RT16	USP	TOP PLATES (8) 8d TRUSS (8) 8d x 1 1/2"	2000
21	C44	USP	POST (8) 16d (8) 16d	1000
22	FA3	USP	TOP PLATE (11) 8d PLATE (11) 8d x 1 1/2"	1185
23	HCS20 CLIP	USP	PLATES (11) 8d TRUSS (11) 10d x 1 1/2"	445
24	HHC2 CRNR CLIP	USP	TRUSS (10) 10d x 1 1/2" PLATE (10) 10d x 1 1/2"	800
25	HTA 20 ANCHOR	USP	(14) 10d x 1 1/2"	1615
26	HTA 20(2) ANCHOR	USP	(14) 10d x 1 1/2"	3230
27	HTW24	USP	(20) 10d	1325
28	HUGT2	USP	CONC. ANCH. BOLT (2) 3/4" x 12" EMBED. - ALL GRD. - (8) 10d	9790
29	HUGT3	USP	CONC. ANCH. BOLT (2) 3/4" x 12" EMBED. - ALL GRD. - (8) 10d	9880
30	KST 227 STRP ANC.	USP	(34) 16d	4750
31	LPTA	USP	FACE OF GABLE W/ 2x4 (11) 10d x 1 1/2"	1250
32	LST A36	USP	(22) 10d x 1 1/2"	1640
33	LTW12	USP	(12) 10d	670
34	LTS20 STRAP ANC	USP	ANCHOR 1/2" WEDGE BOLT 3/4" EMBED. (10) 10d x 1 1/2" STRAP	1890
35	LBP12 BEARING PLT	USP	1/2" 4-BOLT	2515
36	LFT A6	USP	PLATE (8) 8d STUD (8) 8d	1035
37	MST A12	USP	(10) 10d	1015
38	MST A18	USP	(14) 10d	1420
39	MST A24	USP	(18) 10d	1640
40	MST A30	USP	(22) 10d	2065
41	MTW12	USP	(14) 10d	1030
42	MTW18	USP	(14) 10d	1030
43	MTS27B STRP ANC	USP	(24) 16d (11) 1/2" ANCHOR BOLT 3/4" EMBED. (8) 10d	4635
44	MUGT15	USP	(22) 10d (11) 1/2" ANCHOR BOLT 3/4" EMBED. (8) 10d	4165
45	NP37 3/8 X 7	USP	HEADER (8) 16d TOP OF BOT. SEC. (8) 10d x 1 1/2"	
46	PA 28	USP	(15) 16d	3360
47	RT16	USP	TOP PLATES (8) 8d TRUSS (8) 10d x 1 1/2"	1030
48	RT16A	USP	TRUSS (8) 10d x 1 1/2" PLATE (8) 10d	1380
49	RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d x 1 1/2"	1160
50	RT5 CLIPS L/R	USP	TRUSS (4) 8d PLATE (4) 8d	540
51	RT3 CLIPS 1/2 R	USP	(4) 8d TOP (4) 8d BOTTOM	790
52	TA 12	USP	(5) 10d x 1 1/2"	790
53	TA 14	USP	(7) 10d x 1 1/2"	1110
54	TA 18	USP	(8) 10d x 1 1/2"	1205
55	(2) TA 18	USP	(8) 10d x 1 1/2" 1-PLY (8) 10d x 1 1/2" 2-PLY	2410
56	TA 24	USP	(8) 10d x 1 1/2"	1205
57	(2) TA 24	USP	(8) 10d x 1 1/2" 1-PLY (8) 10d x 1 1/2" 2-PLY	2410
58	USC63	USP	TRUSS (8) 10d (14) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	1150
59	USC3F	USP	TRUSS (8) 10d (14) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	1150
60	USC73	USP	TRUSS (8) 10d (14) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	1150
61	UGTS63	USP	TRUSS (8) 10d (14) 1/2" EXP. BOLTS #6170 2 1/2" EMBEDDED	6170
62	(2) HTW24	USP	(20) 10d (20) 10d	2650

GENERAL TRUSS NOTES:
 1. INFORMATION BASED ON 125 MPH WINDLOAD, ALL PRESSURES WERE CALCULATED USING COMPONENTS AND CLADDING
 2. ROOF TRUSS LOADING:
 16 psf TOP CHORD LL
 7 psf TOP CHORD DL
 10 psf BOTTOM CHORD LL
 10 psf BOTTOM CHORD DL
 43 psf TOTAL LOAD
 3. PROVIDE TRUSS BRACING PER TRUSS ENGINEERING & BCSI-BI



REVISIONS:
 10-01-05 FBC 2004 : RESIDENTIAL

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

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 903.0 OF THE FLORIDA BUILDING CODE, AS AMENDED, AND SUPPLEMENT 1 ON 125 MPH WIND. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS.

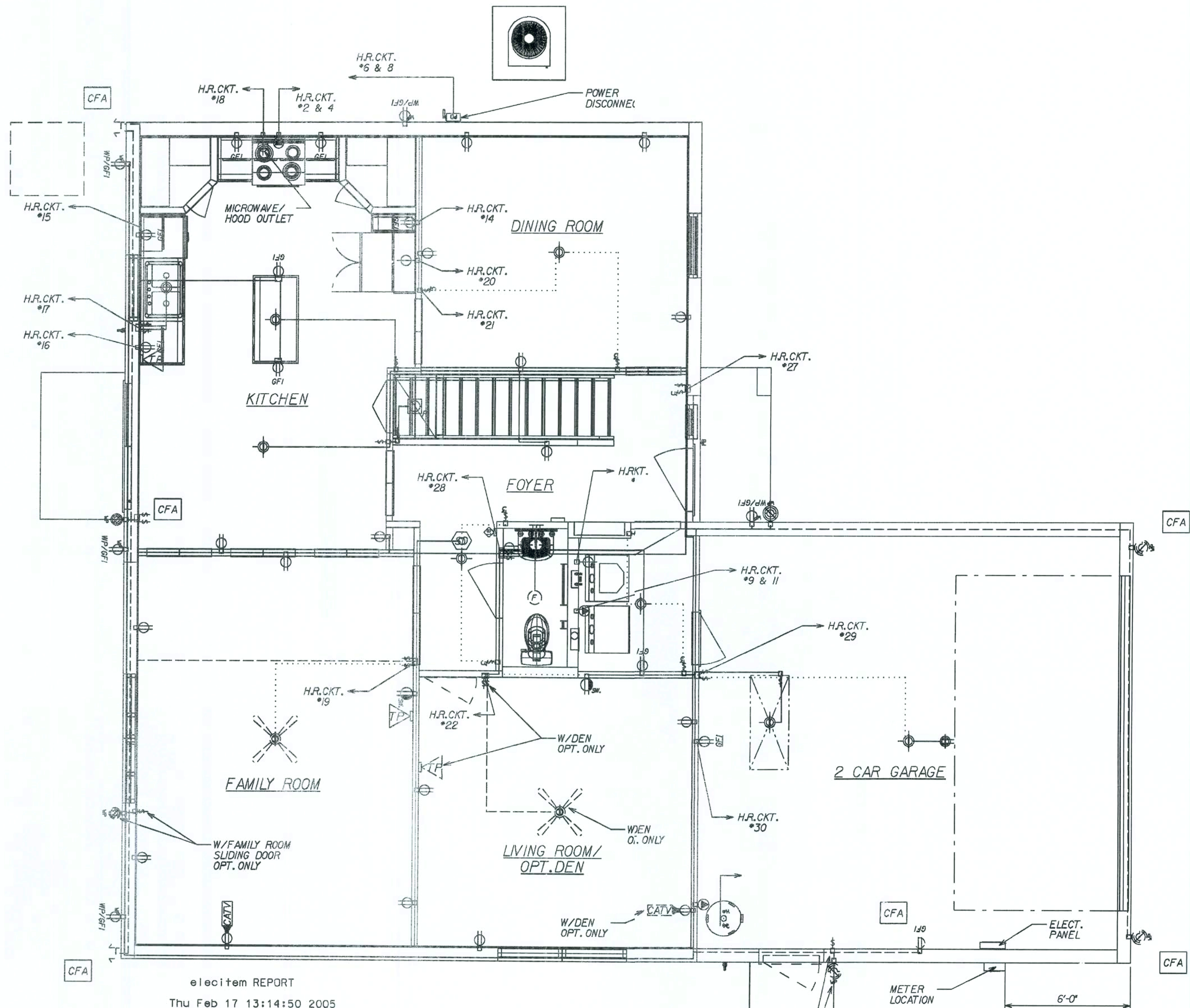
AMERICANA INFO SHEET
SUNBURY
 ELEVATION "M"
 GARAGE: LEFT
 DRAWN BY: K WARD
 RELEASE DATE: 12/20/07
 125 MPI/11

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

Tomas Ponce P.E.
 License No. 0050068
 August 28, 2008

SHEET:
TRIV

FLORIDA BUILDING CODE 2004 : RESIDENTIAL



elecitem REPORT
 Thu Feb 17 13:14:50 2005
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QUANTITY	DESCRIPTION
16	1451 Single Pole Switch
1	200 Amp Panel
3	220 V. Special Receptacle
1	ANC U200 - Underground Meter Socket
1	CLN B344A - 3 Gang Box
10	CLN B620H - Octagon Hanger
1	Cable TV
1	Ceiling Fan (By Others)
8	Ceiling Ltg Fixture
1	Deluxe Broadway 2' P3298-10
1	Door Bell Chime
1	Door Bell Chime
1	Door Bell Transformer
24	Duplex Receptacle
1	Exhaust Fan
1	Front Door WP Lamp
4	G.F.I. Receptacle
1	H-7T-Rec Lht
5	MMWPRC MULTI-MAC MM400C-B WEATHER PROOF RECEPTACLE COVER
1	Power Disconnect Switch
52	RAC 7302 - 1 Gang Box
5	RAC 7835 - 2 Gang Box
1	Rear Door WP Lamp
3	Single Receptacle
1	Smoke Detector
2	Switched Receptacle
2	Telephone Outlet
7	Three Way Switch

elecInth REPORT
 Thu Feb 17 13:14:50 2005
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QUANTITY	DESCRIPTION
142'	10 Gauge/3 Cond. Copper
487'	12 Gauge/2 Cond. Copper
1276'	14 Gauge/2 Cond. Copper
200'	14 Gauge/3 Cond. Copper
135'	6 Gauge/3 Cond. Copper

GENERAL ELECTRICAL NOTES:
 CIRCUITRY IS DIAGRAMATIC ONLY, FIELD CONDITIONS MAY CHANGE ACTUAL INSTALLATION.
 PROVIDE AFCIs (arc-fault circuit interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210.12
 SMOKE DETECTORS ARE INSTALLED PER MFG. INSTRUCTIONS AND NFPA 72. ALL DEVICES SHALL BE INTERCONNECTED WITH BATTERY BACK-UP.
 FOR INSTALLATION OF GROUND ROD, SEE TYP. CONC. ENCASED ELECTRODE DETAIL SHEET* FTG

LIST OF OPTIONS:

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

ELECTRICAL SYMBOL LEGEND:

REGULAR TEXT	REVERSE TEXT	DESCRIPTION
[Symbol]	[Symbol]	Power Disconnect Switch
[Symbol]	[Symbol]	Door Bell Chime
[Symbol]	[Symbol]	Door Bell Buzzer
[Symbol]	[Symbol]	Ceiling Fan (By Others)
[Symbol]	[Symbol]	Smoke Detector
[Symbol]	[Symbol]	Light Fixture Bath
[Symbol]	[Symbol]	Exterior WP Lamp
[Symbol]	[Symbol]	Single Pole Switch
[Symbol]	[Symbol]	Three Way Switch
[Symbol]	[Symbol]	Single Receptacle
[Symbol]	[Symbol]	Duplex Receptacle
[Symbol]	[Symbol]	GFI Receptacle
[Symbol]	[Symbol]	Switched Receptacle
[Symbol]	[Symbol]	220 V. Special Receptacle
[Symbol]	[Symbol]	Ceiling Ltg Fixture
[Symbol]	[Symbol]	Recessed Ltg. Fixture
[Symbol]	[Symbol]	Exhaust Fan
[Symbol]	[Symbol]	Cable TV
[Symbol]	[Symbol]	Telephone Outlet
[Symbol]	[Symbol]	Flood Lights
[Symbol]	[Symbol]	Exhaust Fan / Light Combo
[Symbol]	[Symbol]	Smoke / Carbon Monoxide Combo

REVISIONS:
 12-19-06 ELM. SMOKE DETECT. HOME RUN.
 1-29-07 MOVE PWR.D.S. TO A/C UNIT & GFI
 02-19-07 ADD SMOKE DETECTOR TO MASTER BEDROOM
 REVISED 10-05-06

Maronda Homes
 FLORIDA
 4005 MARDONIA WAY SANFORD, FLORIDA 32789
 (407) 321-0064
 THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE RESIDENTIAL AND 2003 SUPPLEMENT

AMERICANA 1st. FLR. ELECTRICAL
SUNBURY-NEWBERRY
 3 BEDROOM
 DRAWN BY: GARAGE: LEFT
 RELEASE DATE: / /
 1408129

SHEET:
ELI

ELECTRICAL LOAD CALCULATIONS

MODEL: SUNBURY / NEWBERRY

11/28/06

LARGEST LOAD: HEAT PUMP/SUPPLEMENTAL HEAT

VOLT/AMPS
10270

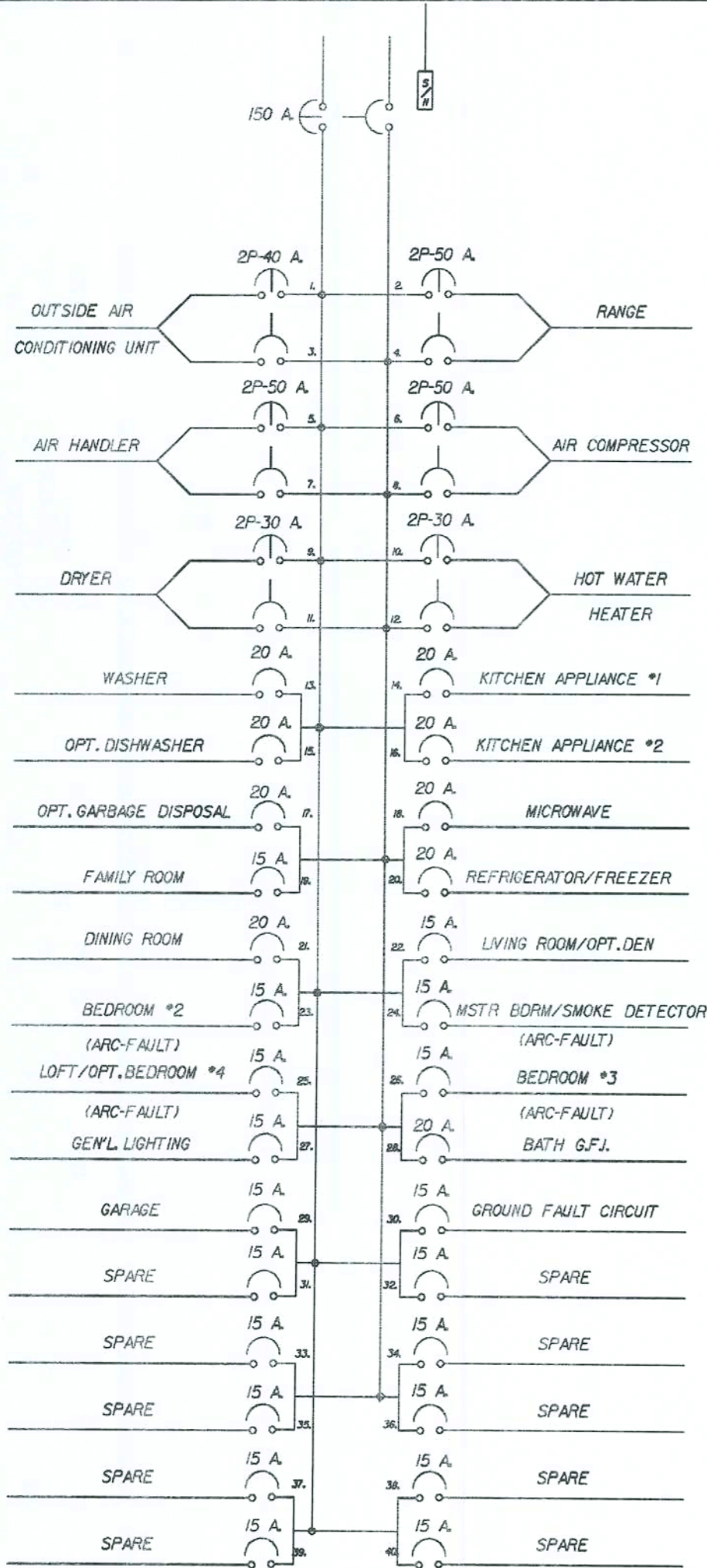
SQUARE FEET LIVING AREA	2223 @ 3 VOLT/AMPS	6669
SMALL APPLIANCE CIRCUITS		3000
LAUNDRY CIRCUIT		1500
OVEN		11700
WATER HEATER		4500
DISHWASHER		1500
DRYER		5000
DISPOSAL		500
TOTAL LOAD		34369

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

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

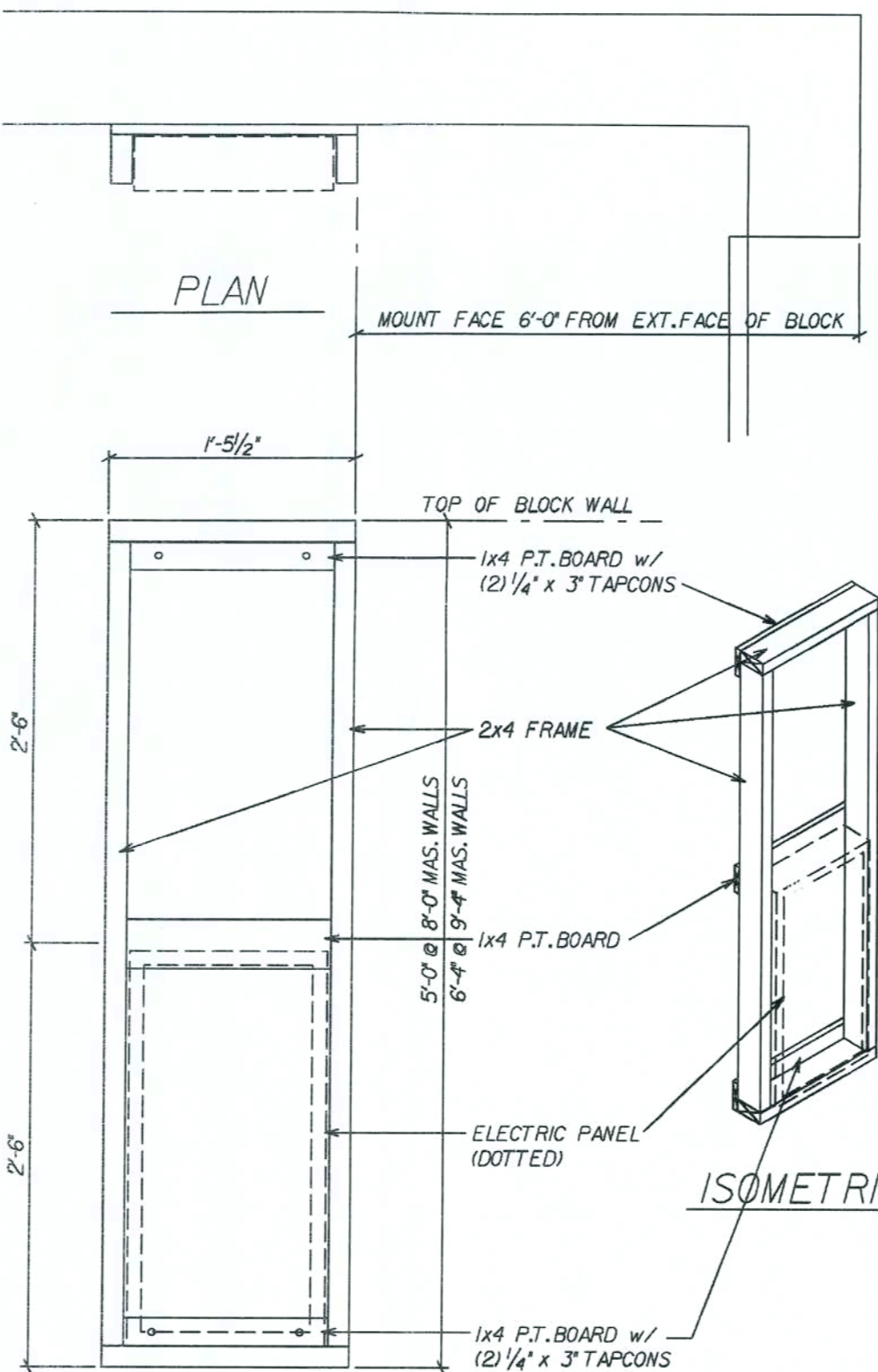
SERVICE SIZE: 150 AMPS

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



MAIN BREAKER LOAD CENTER

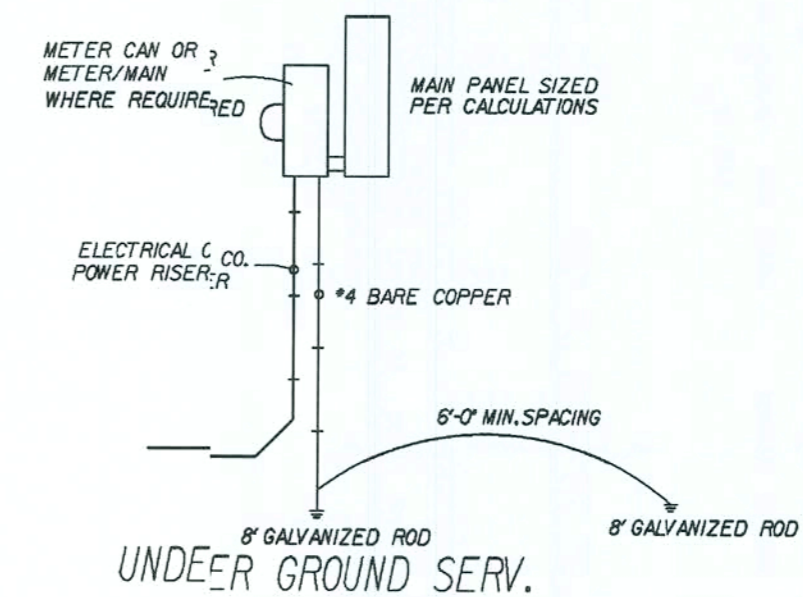
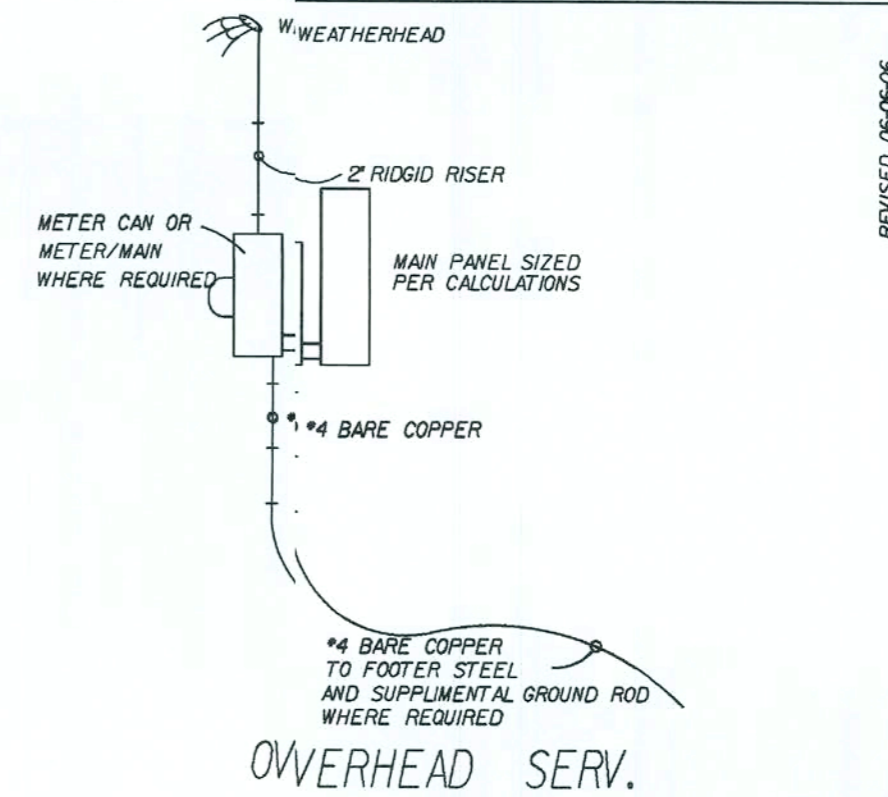
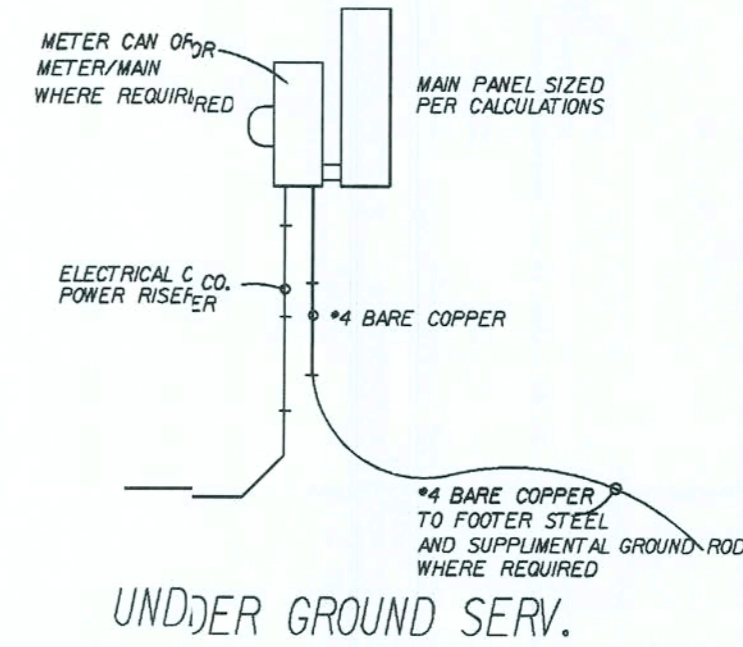
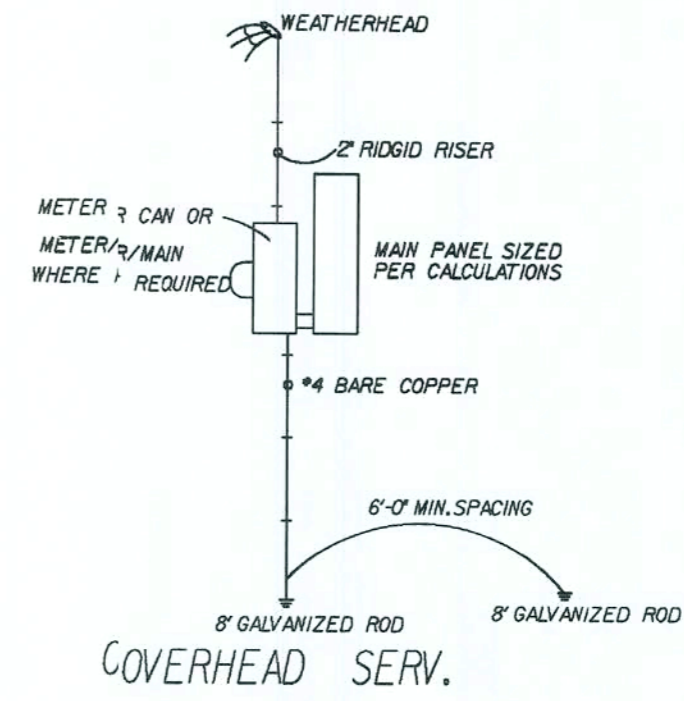
NOTE: IF LOCAL CODE REQUESTS A LOCK-DOG DEVICE ON BREAKERS FOR APPLIANCES, FIELD WILL SUPPLY TO COMPLY



ELECTRIC PANEL FRAME

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

SCALE: 1" = 1'-0"



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

REVISIONS:

05-23-06	REV. BREAKER LOAD CENTER
05-24-06	ADD NOTE FOR LOCK-DOG
11-28-06	REV. ELECT. LOAD CALC.
12-19-06	ELIM. SMOKE DETECT. HOME RUN.
02-19-07	ADD SMOKE DETECTOR TO MASTER BEDROOM
03-10-08	REV. DW & GD BRK. TO 20 AMP. KW

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

FLORIDA STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE BUILDING CODES OF THE STATE OF FLORIDA. BUILDING CODE 2004: RESIDENTIAL AND 2005, 2006 SUPPLEMENT

PAT\140829_05\Sunbury\elect\cpl\sunb04

AMERICANA ELECTRICAL DETAILS

SUNBURY-NEWBERRY

FLORIDA

DRAWN BY: GARAGE:

RELEASE DATE: 09-11-03

140829

SHEET:

ELA

FLORIDA BUILDING CODE 2004: RESIDENTIAL

PLOT DATE: 13 JUN 2008

elecitem REPORT

Mon Jan 10 10:48:00 2005
p:\fl\houses 05\sunbury\electrical\ele.e

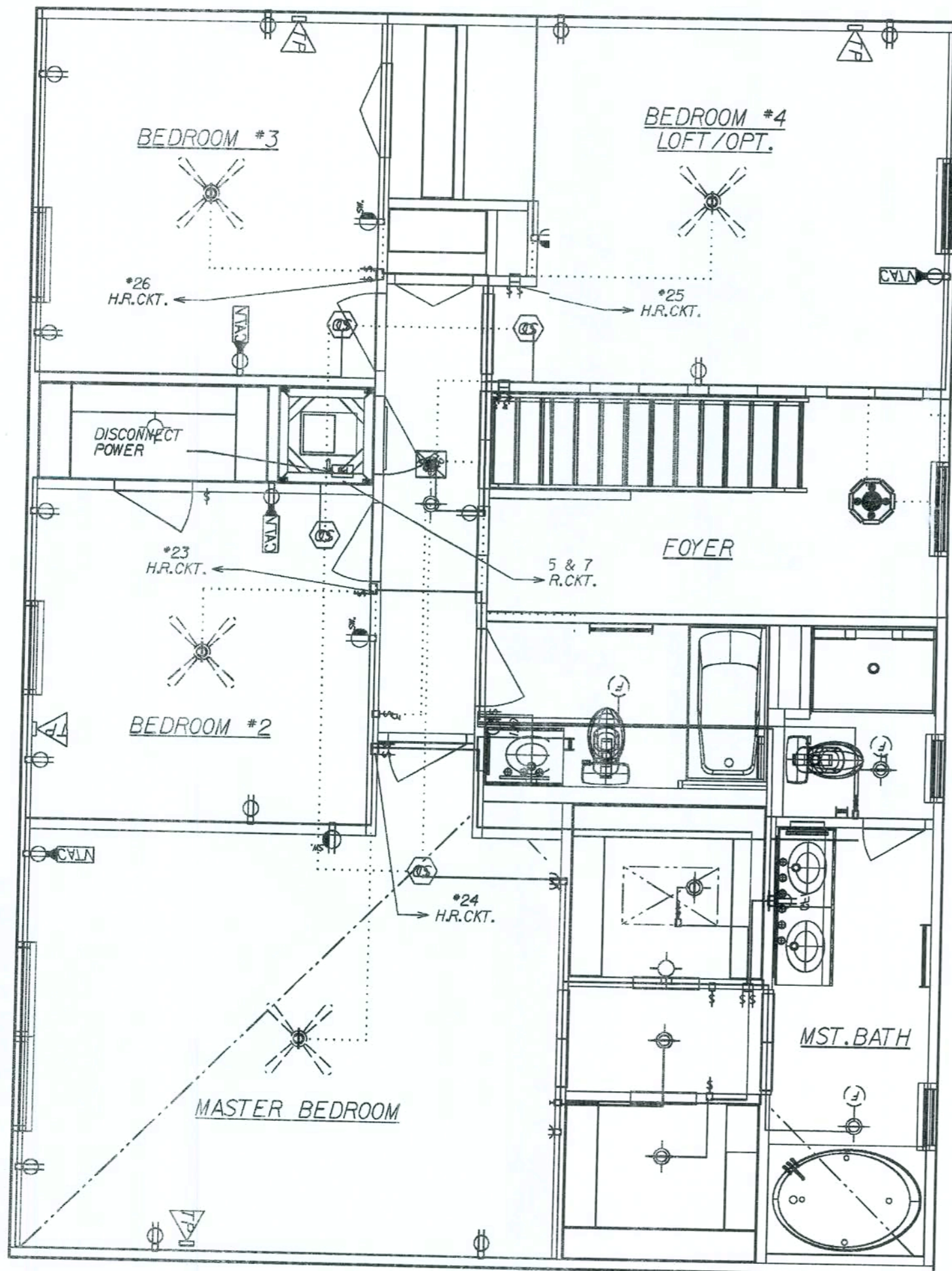
QUANTITY	DESCRIPTION
17	1451 Single Pole Switch
1	CLN B344A - 3 Gang Box
9	CLN B620H - Octagon Hanger
4	Cable TV
4	Ceiling Fan (By Others)
5	Ceiling Ltg Fixture
1	Deluxe Broadway 2' P3298-10
1	Deluxe Broadway 3' P3299-11
21	Duplex Receptacle
3	Exhaust Fan
1	Fluor Ltg 2'L (2B)
1	Foyer Chandelier
1	H-TT-Rec Lht
1	Power Disconnect Switch
30	RAC 7302 - 1 Gang Box
6	RAC 7835 - 2 Gang Box
5	Smoke Detector
4	Switched Receptacle
4	Telephone Outlet
3	Three Way Switch

elecInth REPORT

Mon Jan 10 10:48:00 2005
p:\fl\houses 05\sunbury\electrical\ele.e12

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

MILK BEDROOM #3 COVER
ADD ELECTRICAL SYMBOLS ONLY



GENERAL ELECTRICAL NOTES:

CIRCUITRY IS DIAGRAMATIC ONLY, FIELD CONDITIONS MAY CHANGE ACTUAL INSTALLATION.
PROVIDE AFCIs (arc-fault circuit interrupters) IN ALL DWELLING UNIT BEDROOMS PER NEC, SECTION 210.12
SMOKE DETECTORS ARE INSTALLED PER MFG. INSTRUCTIONS AND NFPA 72, ALL DEVICES SHALL BE INTERCONNECTED WITH BATTERY BACK-UP.
FOR INSTALLATION OF GROUND ROD, SEE TYP. CONC. ENCASED ELECTRODE DETAIL SHEET* FTG

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
[Symbol]	[Symbol]	Power Disconnect Switch
[Symbol]	[Symbol]	Door Bell Chime
[Symbol]	[Symbol]	Door Bell Buzzer
[Symbol]	[Symbol]	Ceiling Fan (By Others)
[Symbol]	[Symbol]	Smoke Detector
[Symbol]	[Symbol]	Light Fixture Bath
[Symbol]	[Symbol]	Exterior WP Lamp
[Symbol]	[Symbol]	Single Pole Switch
[Symbol]	[Symbol]	Three Way Switch
[Symbol]	[Symbol]	Single Receptacle
[Symbol]	[Symbol]	Duplex Receptacle
[Symbol]	[Symbol]	GFI Receptacle
[Symbol]	[Symbol]	Switched Receptacle
[Symbol]	[Symbol]	220 V. Spectal Receptacle
[Symbol]	[Symbol]	Ceiling Ltg Fixture
[Symbol]	[Symbol]	Recessed Ltg. Fixture
[Symbol]	[Symbol]	Exhaust Fan
[Symbol]	[Symbol]	Cable TV
[Symbol]	[Symbol]	Telephone Outlet
[Symbol]	[Symbol]	Flood Lights
[Symbol]	[Symbol]	Exhaust Fan / Light Combo
[Symbol]	[Symbol]	Smoke / Carbon Monoxide Combo

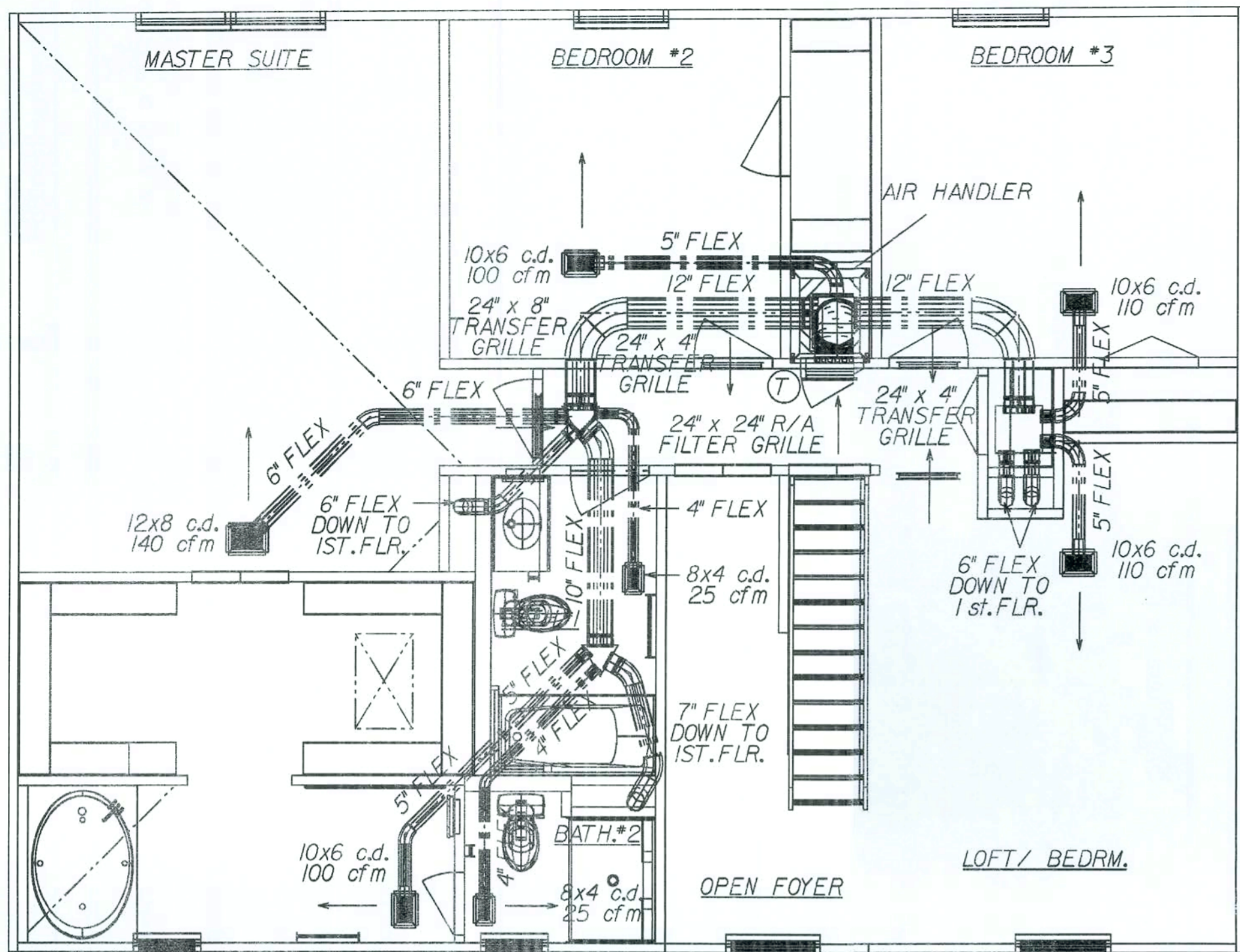
REVISIONS:

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

Maronda Homes
FLORIDA
4005 MARONDA WAY SANFORD, FLORIDA
32783
MARONDA HOMES
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REVISOR: 03/19/07
REVISION: 03/19/07
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AMERICANA 2nd. FLR. ELECTRICAL
SUNBURY-NEWBERRY
3 BEDROOM
DRAWN BY: GARAGE: LEFT
RELEASE DATE: / /

SHEET:
EL2



MECHANICAL EQUIPMENT :

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

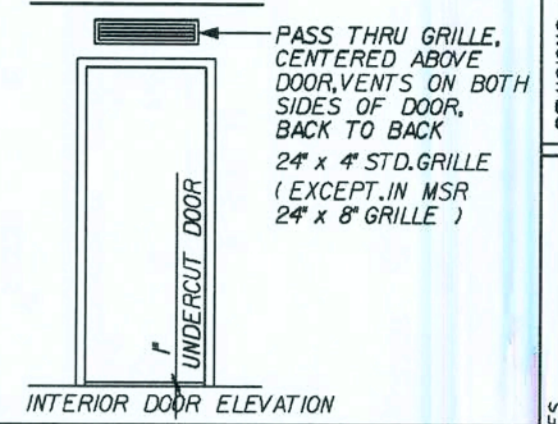
ALL TAPES, CONNECTORS AND MASTIC USED WILL BE UL-181

GENERAL MECHANICAL NOTES:
 ALL TAPES, CONNECTORS AND MASTIC USED WILL BE UL-181 APPROVED.

SEE ELECTRIC PLANS FOR EXHAUST FAN LOCATIONS IN BATH AREAS.

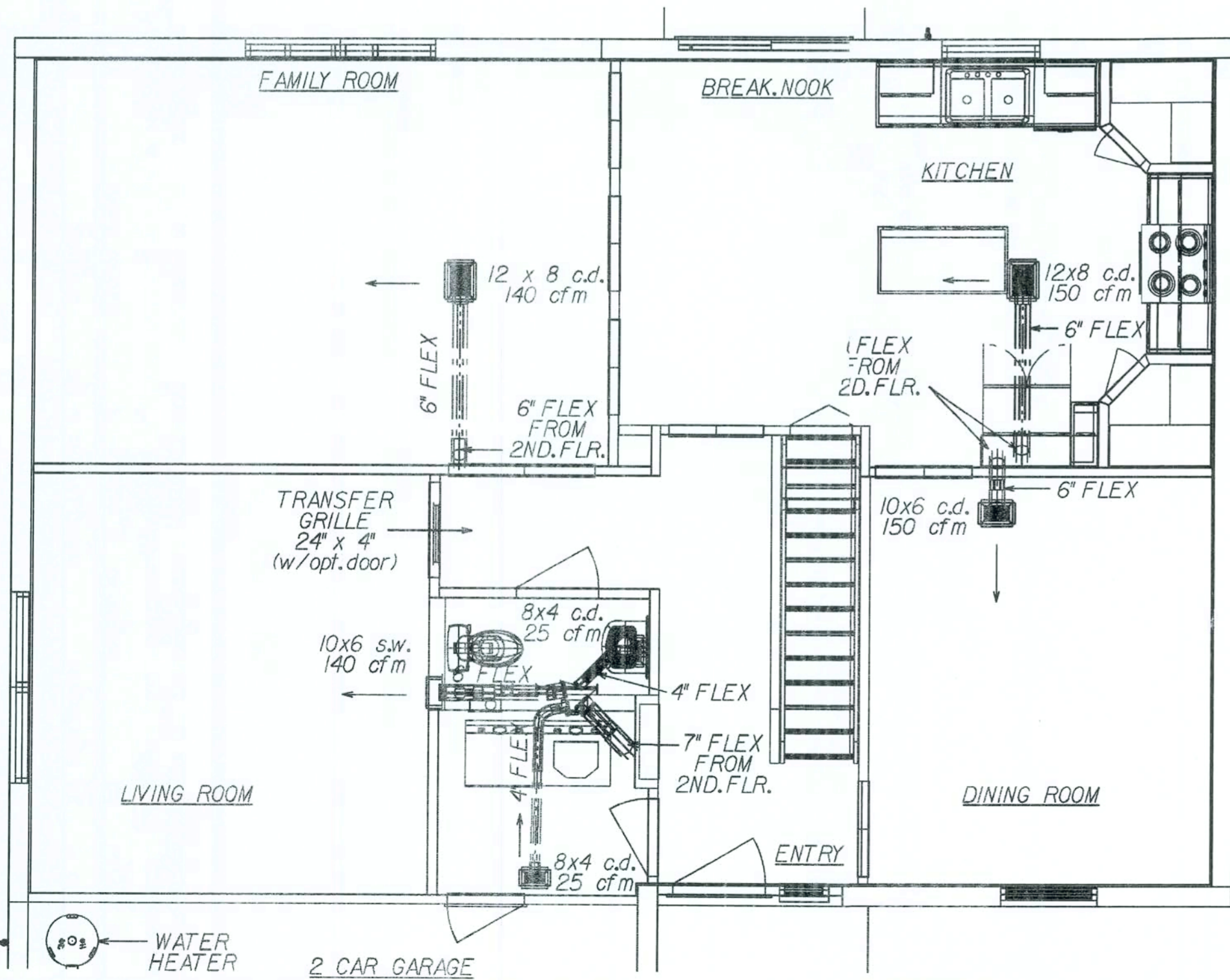
SEE FLOOR PLAN FOR CLOTHES DRYER VENT LOCATION.

M16024 BALANCED RETURN AIR. TRANSFER GRILLES @ HABITABLE ROOMS SEE DETAIL BELOW:



SECOND FLOOR PLAN

SCALE 1/4" = 1' - 0"



FIRST FLOOR PLAN

SCALE 1/4" = 1' - 0"

REVISIONS :

AJ REV. TRANSFER GRILLE @ M.B.R.18/5/05	FLORIDA
11-01-05 REMOVED ENGS NOTE	
04-26-06 REV. H.T.G. SYSTEMS	
11/2/07 UPDATED TO 13 SEER T-JM	

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AMERICANA REGISTER LAYOUT

SUNBURY-NEWBERRY

3 BEDROOM / LOFT

DRAWN BY: GARAGE: LEFT

RELEASE DATE: 9/26/01

T.L. TOOMEY

11-3942

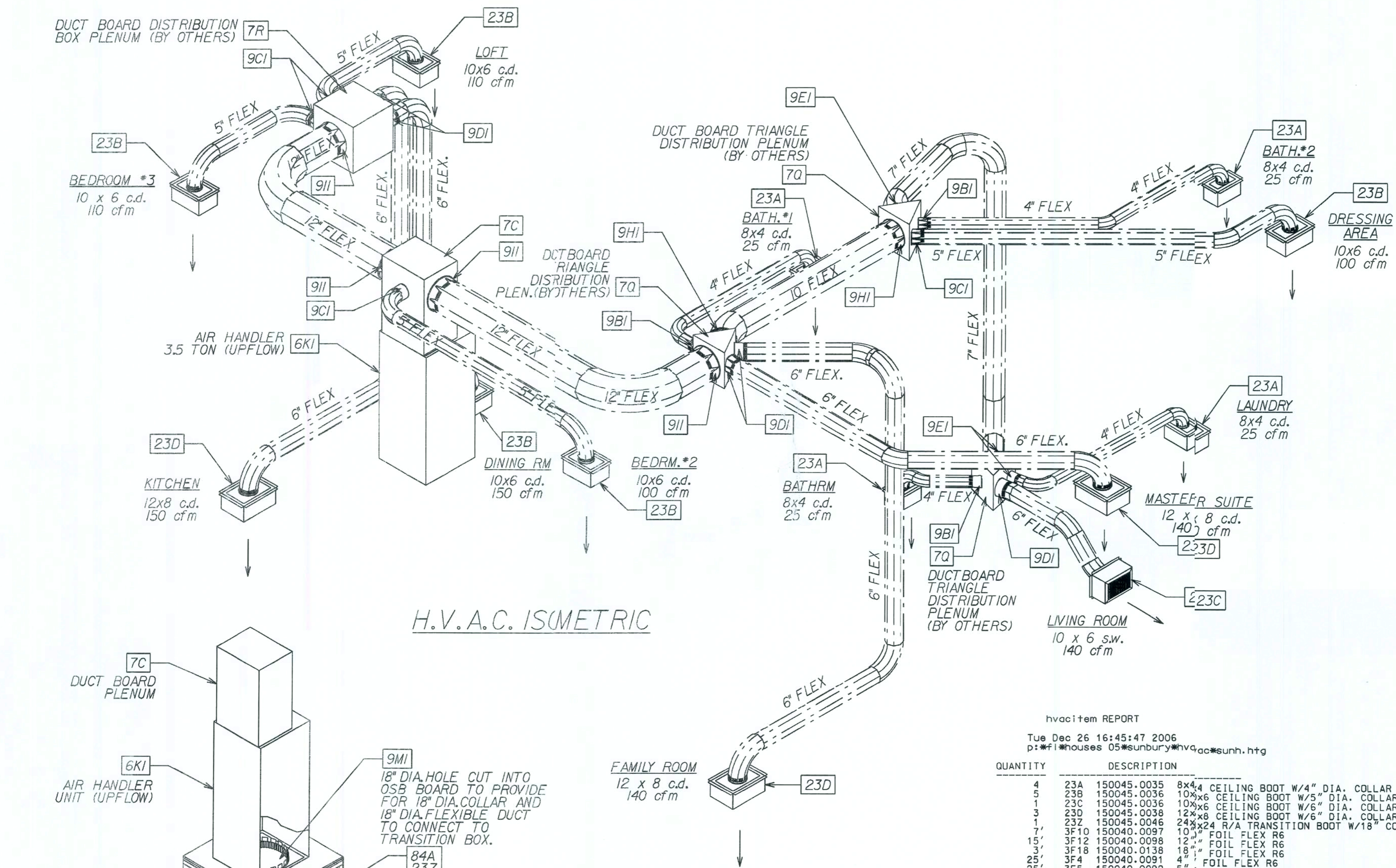
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HVA

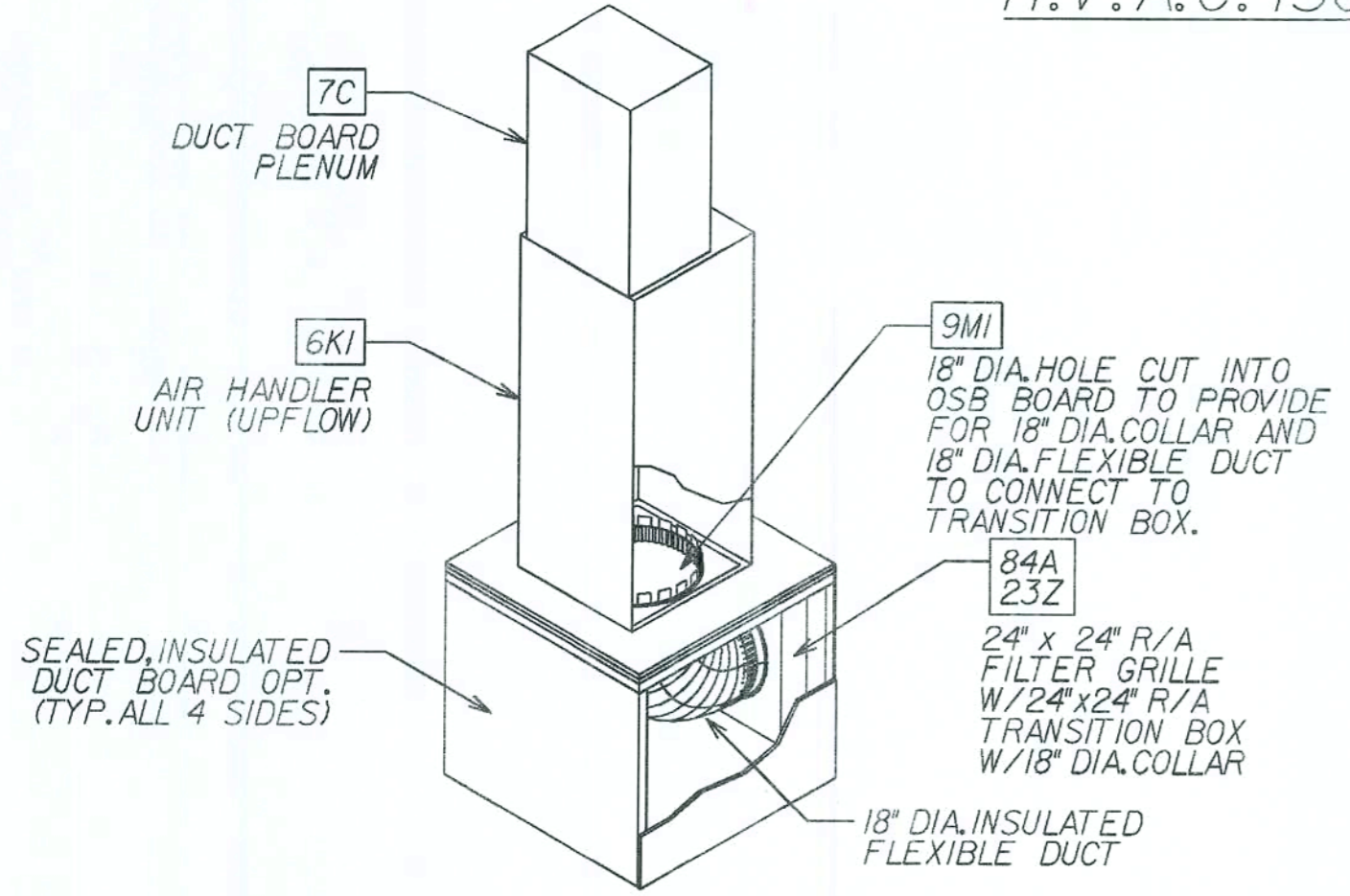
FLORIDA BUILDING CODE 2004: RESIDENTIAL

PLOT DATE: 22 FEB 2008

* USE WITH 13 SEER EQUIPMENT *



H.V.A.C. ISOMETRIC



RETURN-AIR ISOMETRIC

MECHANICAL EQUIPMENT :

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

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

hvacitem REPORT
 Tue Dec 26 16:45:47 2006
 p:*f1*houses 05*sunbury*hvqac*sunh.htg

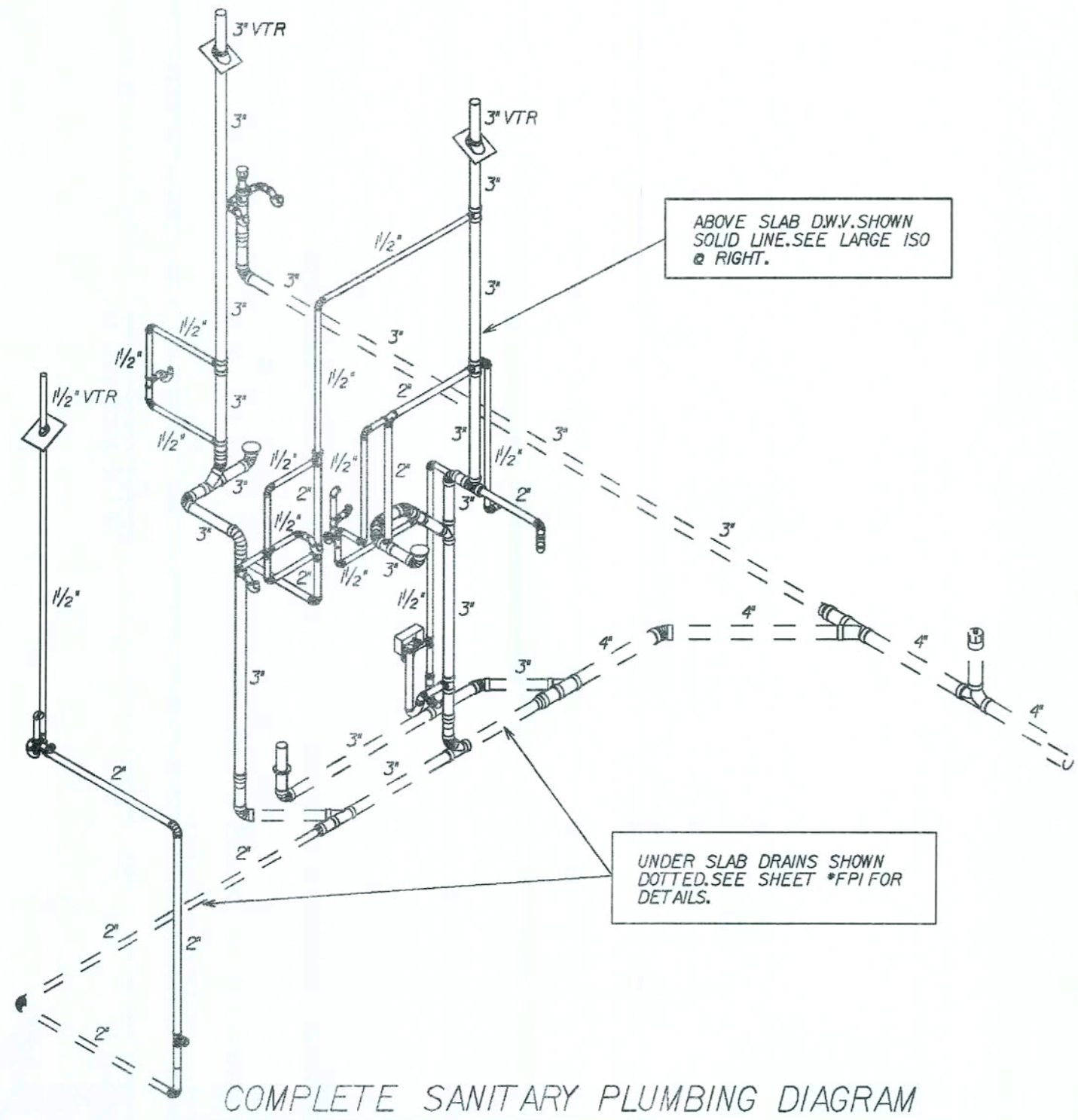
QUANTITY	DESCRIPTION
4	23A 150045.0035 8x4"4 CEILING BOOT W/4" DIA. COLLAR
5	23B 150045.0036 10x6"6 CEILING BOOT W/5" DIA. COLLAR
1	23C 150045.0036 10x6"6 CEILING BOOT W/6" DIA. COLLAR
3	23D 150045.0038 12x8"8 CEILING BOOT W/6" DIA. COLLAR
1	23Z 150045.0046 24"x24" R/A TRANSITION BOOT W/18" COLLAR
7	3F10 150040.0097 10" FOIL FLEX R6
15	3F12 150040.0098 12" FOIL FLEX R6
3	3F18 150040.0138 18" FOIL FLEX R6
25	3F4 150040.0091 4" FOIL FLEX R6
25	3F5 150040.0092 5" FOIL FLEX R6
65	3F6 150040.0093 6" FOIL FLEX R6
16	3F7 150040.0094 7" FOIL FLEX R6
1	6K1 150005.0044 FEM2X4200A 13 SEER 3.5 TON AIR HANDLER UNIT
1	601 150010.0104 N2H342AKA 13 SEER 3.5 TON CONDENSER
1	7C 150005.0110 19"x13x30" H BOX PLENUM
3	7Q 150040.0118 DUCT PLENUM TRIANGLE
1	7R 150040.0111 18" SQUARE DUCT PLENUM
4	81A 150055.0041 24"x4" TRANSFER GRILLE
4	81B 150045.0052 24"x4" TRANSFER GRILLE FRAME
1	81C 150055.0078 24"x8" TRANSFER GRILLE
1	81D 150045.0078 24"x8" TRANSFER GRILLE
1	84A 150055.0032 24"x8" TRANSFER GRILLE FRAME
4	9B1 150040.0075 4"x24" RETURN AIR FILTER GRILLE
4	9C1 150040.0076 5" K-COLLAR/ROTH (4KC/413)
5	9D1 150040.0077 6" K-COLLAR/ROTH (5KC/413)
2	9E1 150040.0078 7" K-COLLAR/ROTH (6KC/413)
2	9H1 150040.0081 10" K-COLLAR/ROTH (10KC/413)
4	9I1 150040.0082 12" K-COLLAR/ROTH (12KC/413)
1	9M1 150040.0137 18" K-COLLAR/ROTH (18KC/413)

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

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HVAC ISO AMERICANA
SUNBURY-NEWBERRY
 3 BEDROOM/LOFT
 DRAWN BY: GARAGE: LEFT
 RELEASE DATE: 9/9/99 T.J.T.
 1/13/99

SHEET:
ISO-H
 PLOT DATE: 22 FEB 2008



COMPLETE SANITARY PLUMBING DIAGRAM

plumitem REPORT

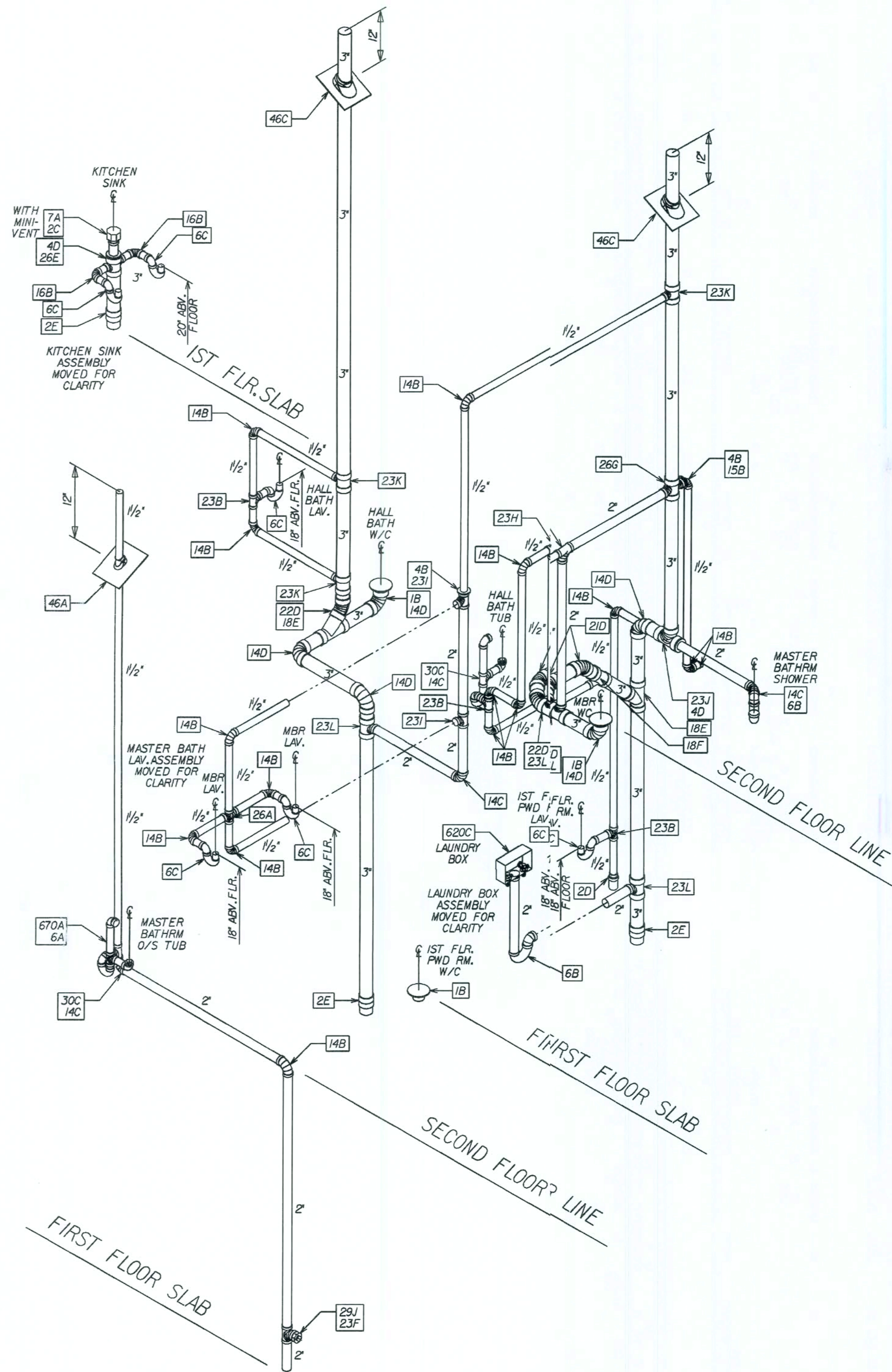
Thu Aug 17 14:39:44 2006
p:*f1*houses 05*sunbury*plumbing*sunburyp.plm

QUANTITY	DESCRIPTION
16	14B 130005.0013 1.5" PVC 90 ELBOW
3	14C 130005.0041 1.5" PVC 90 ELBOW
1	14D 130005.0066 1.5" PVC 90 ELBOW
1	15B 130005.0015 1.5" PVC 90 ST. ELBOW
2	18E 130005.0076 1.5" PVC 45 WYE
1	18F 130005.0057 1.5" PVC 45 WYE
3	1B 130005.0099 1.5" PVC 45 WYE
2	21D 130005.0064 1.5" PVC 45 ELBOW
1	22C 130005.0040 1.5" PVC 45 ST. ELBOW
2	22D 130005.0065 1.5" PVC 45 ST. ELBOW
3	23B 130005.0024 1.5" PVC TEE
1	23F 130005.0048 1.5" PVC TEE
1	23H 130005.0265 1.5" PVC TEE
2	23I 130005.0034 1.5" PVC TEE
1	23J 130005.0074 1.5" PVC TEE
1	23K 130005.0056 1.5" PVC TEE
1	23L 130005.0062 1.5" PVC TEE
1	26A 130005.0727 1.5" DOUBLE TEE
1	26E 130005.0132 1.5" DOUBLE TEE
1	26G 130005.0134 1.5" DOUBLE TEE
1	29J 130005.0291 1.5" CO ADAPTER W/CO PLUG
1	2C 130005.0043 1.5" PVC COUPLING
1	2D 130005.0033 1.5" PVC REDUCER COUPLING
3	2E 130005.0068 1.5" PVC COUPLING
1	30C 130005.0279 2x1.5x1.5" ST. TEE
1	46A 130050.0238 1-1/2" NEOPRENE ROOF FLASHING
1	46C 130050.0028 3" NEOPRENE ROOF FLASHING
2	4B 130005.0032 2x1.5 FTG FL BUSHING
2	4D 130005.0059 3x2 FTG FL BUSHING
1	620C 130035.0027 Laundry Box Center
1	670A 130005.0105 1 1/2" WATCO TUB OVERFLOW ASSEMBLY
1	6A 130005.0022 1.5"x1.5" P-TRAP Part A
2	6B 130005.0046 2" P-TRAP
6	6C 130005.0107 1.5"x1.25" P-TRAP W/UNION JT
1	7A 130005.0160 1.25-2" STUDDOR MINI-VENT

PlumInth REPORT

Thu Aug 17 14:39:44 2006
p:*f1*houses 05*sunbury*plumbing*sunburyp.plm

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



REVISIONS:

08/18/06	REV.D.KITCHEN SINK ASSEM.-T.M
----------	-------------------------------

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FLORIDA

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p:*houses_05*sunbury*plumbing*sunburyp.plm

AMERICANA DWV PLUMBING ISO

SUNBURY-NEWBERRY

ALL ELEVATIONS

DRAWN BY: GARAGE: LEFT

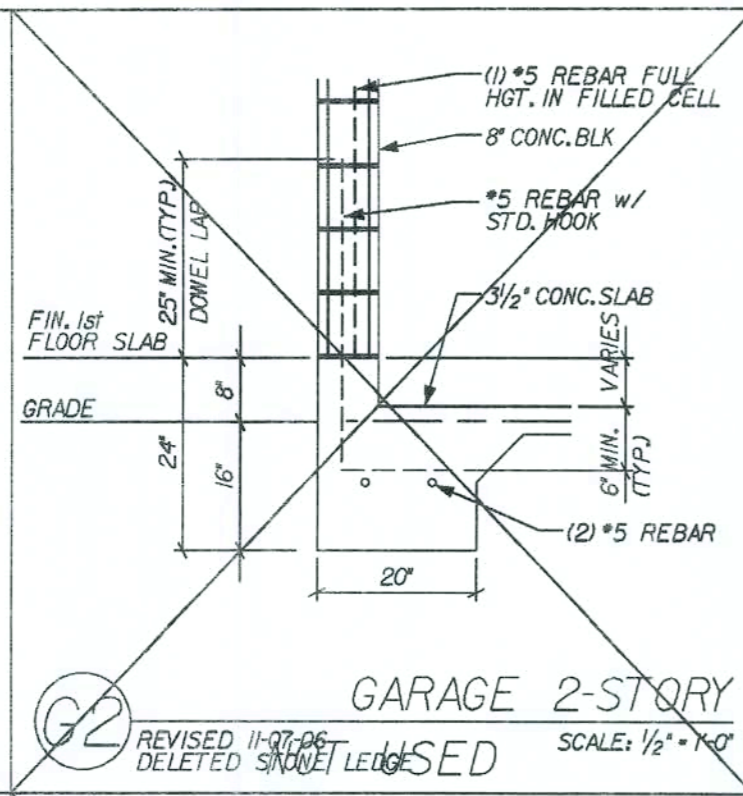
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TOM MARTINEZ

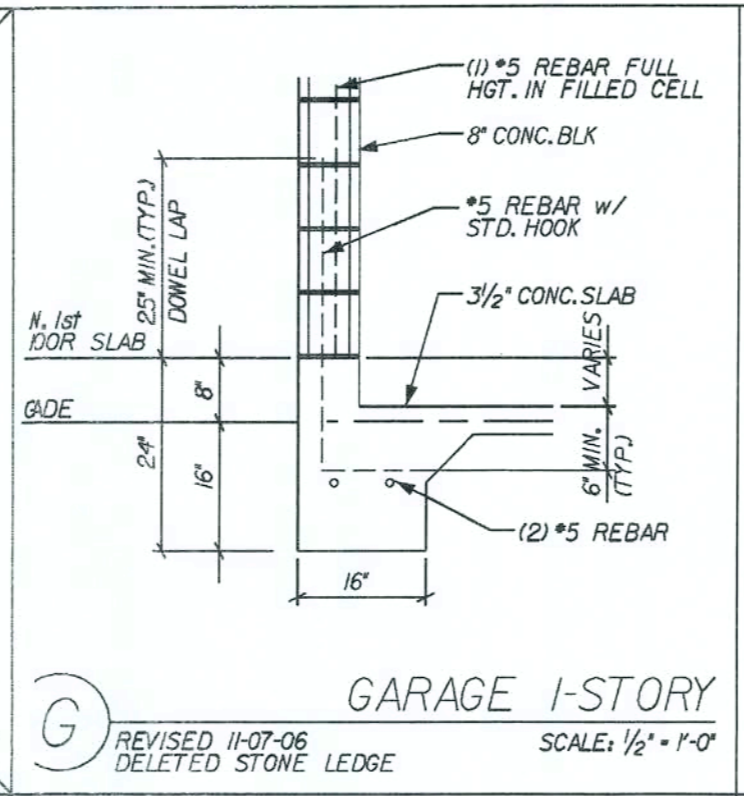
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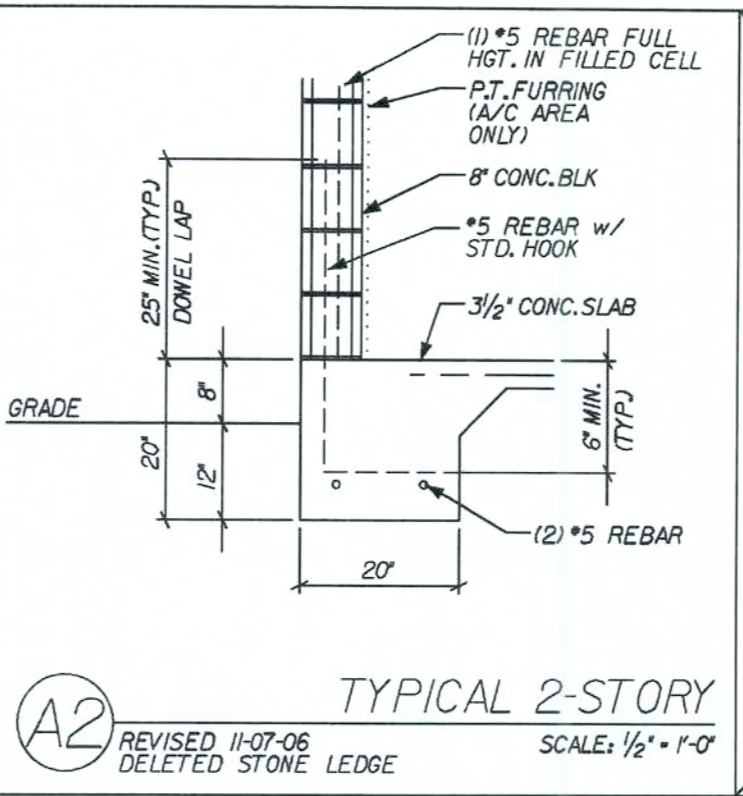
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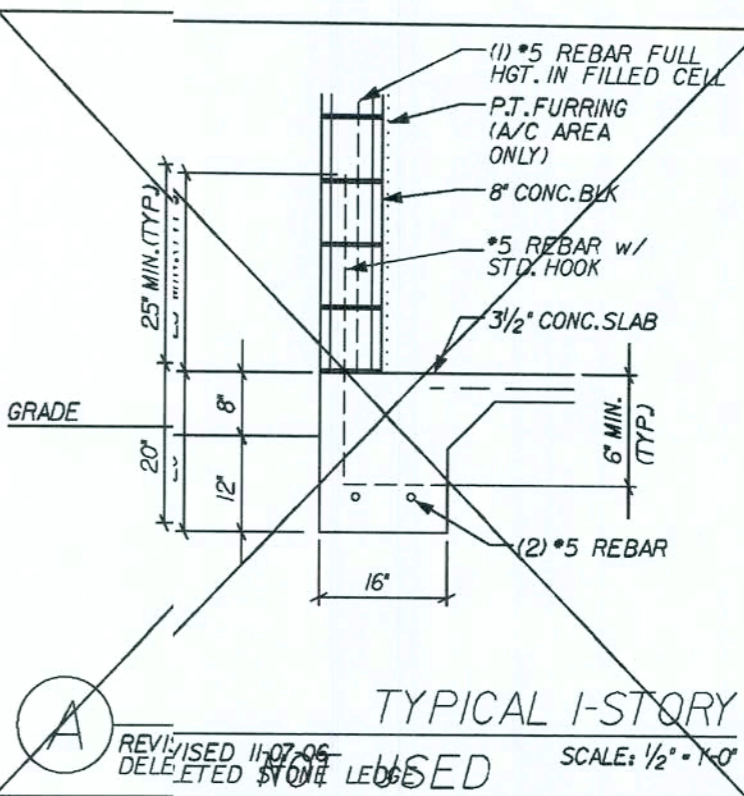
G2 GARAGE 2-STORY
 REVISED 11-07-06 DELETED STONE LEDGE
 SCALE: 1/2" = 1'-0"



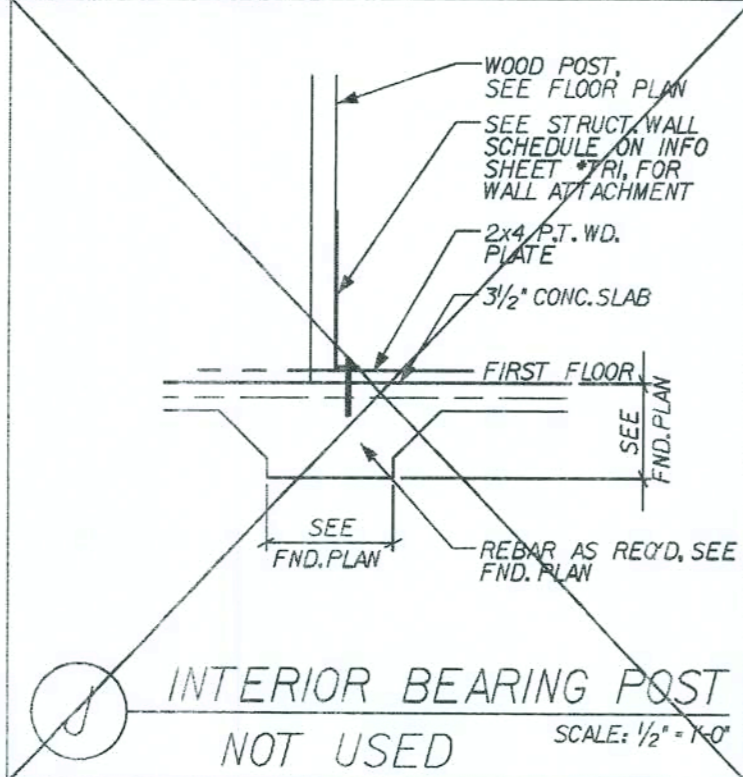
G GARAGE 1-STORY
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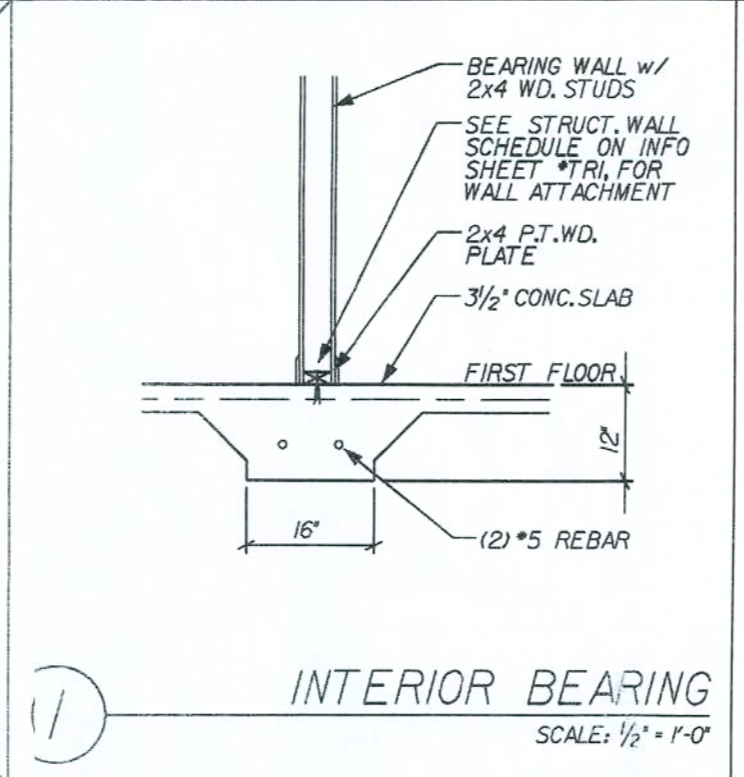
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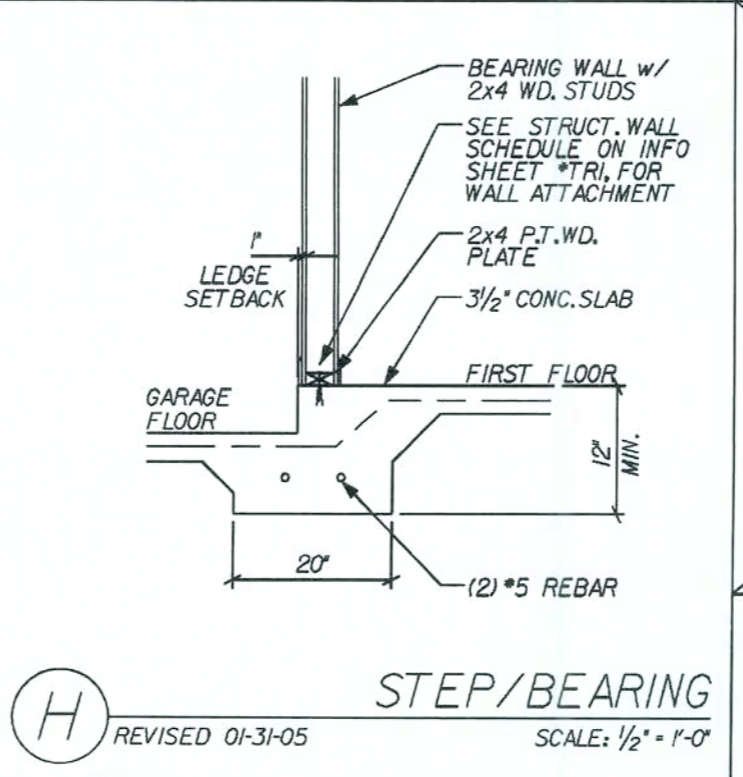
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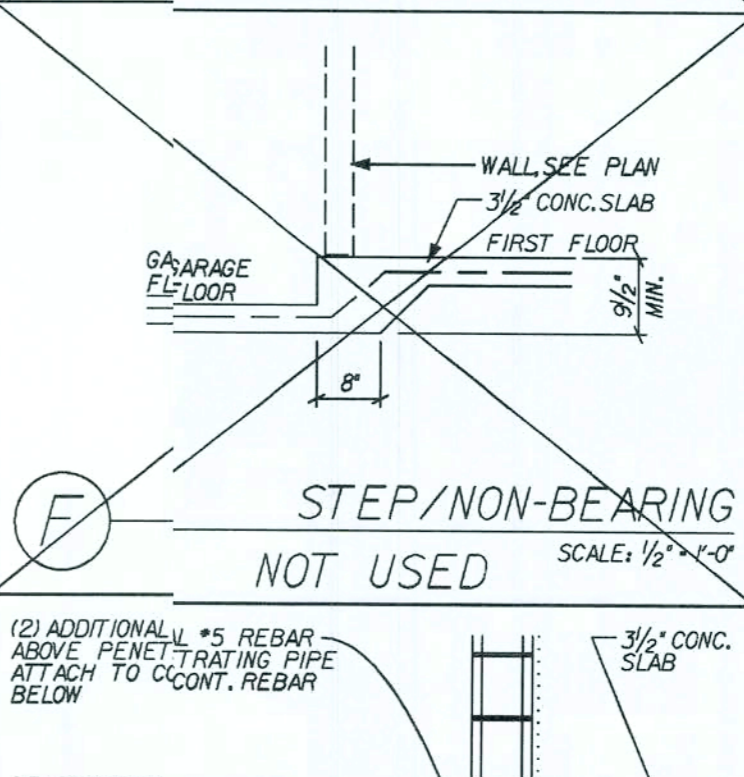
J INTERIOR BEARING POST
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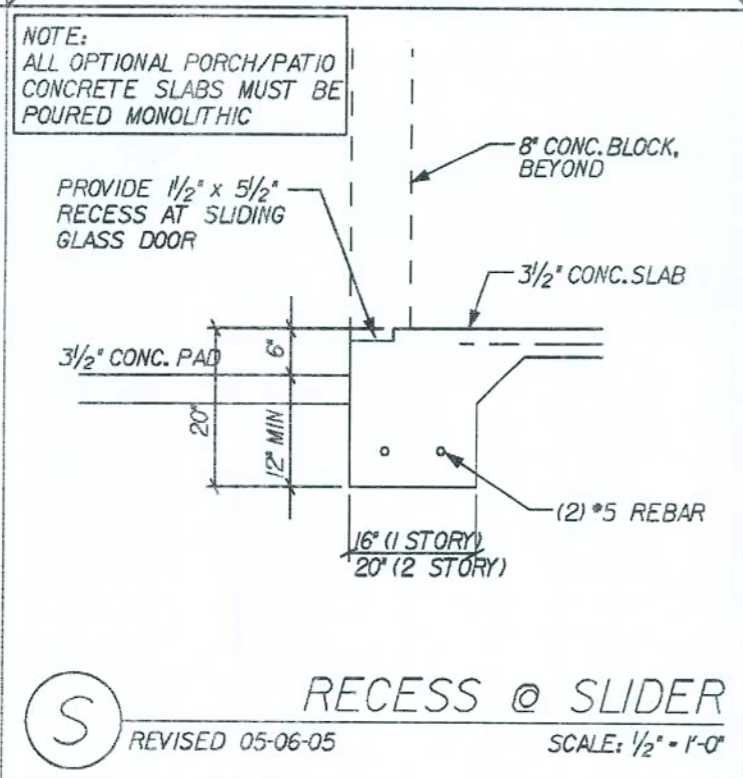
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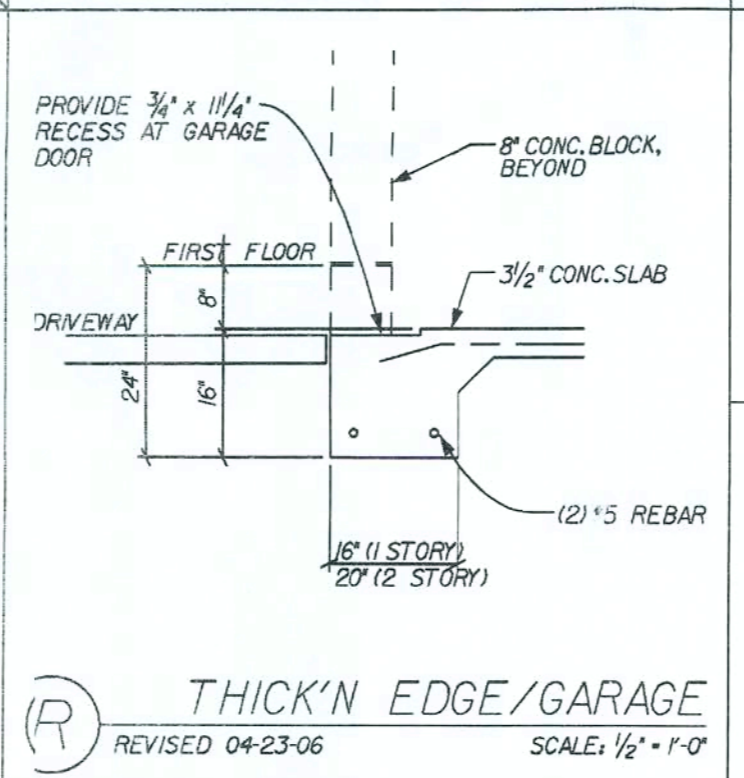
H STEP/BEARING
 REVISED 01-31-05
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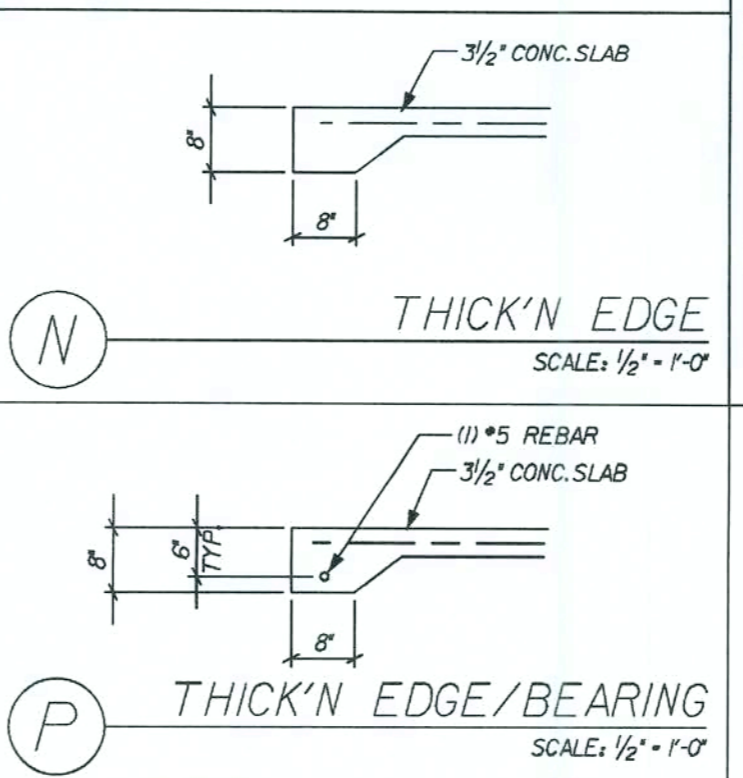
F STEP/NON-BEARING
 NOT USED
 SCALE: 1/2" = 1'-0"



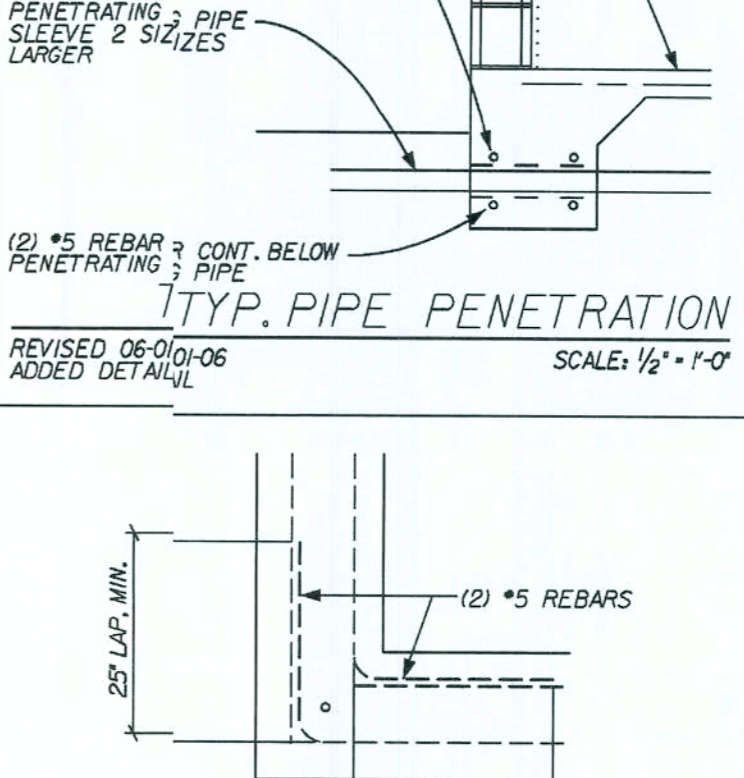
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 REVISED 05-06-05
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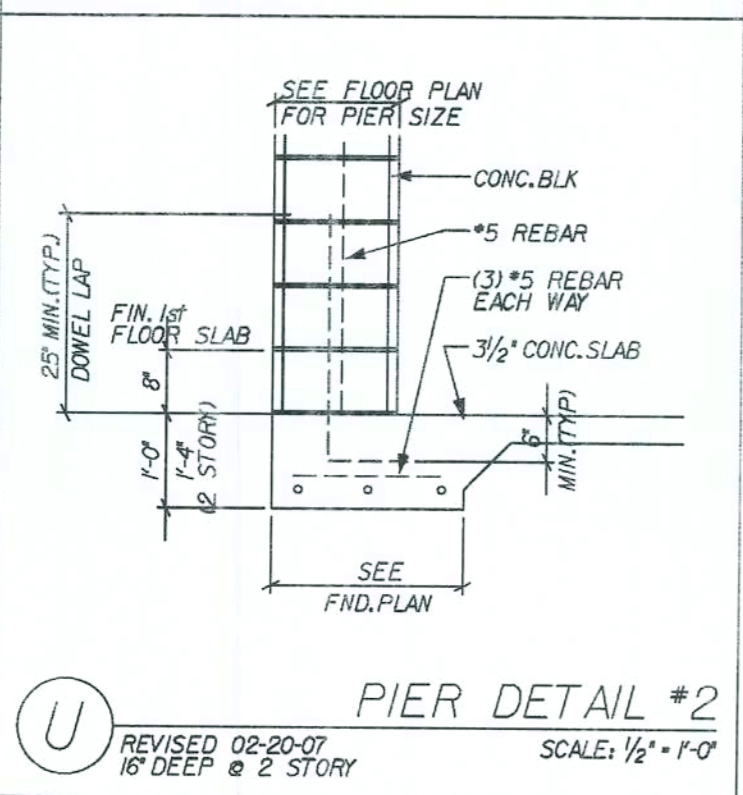
R THICK'N EDGE/GARAGE
 REVISED 04-23-06
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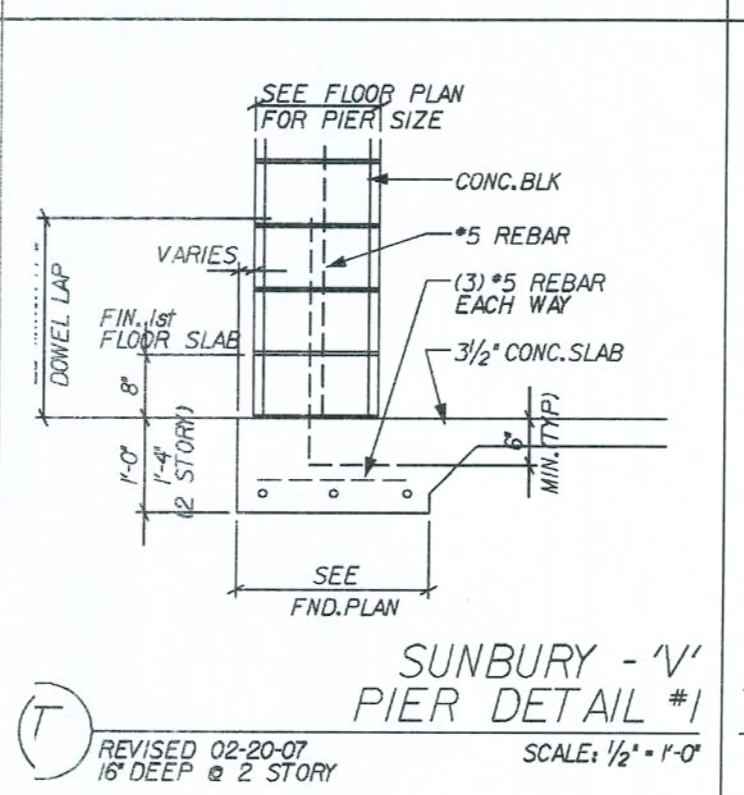
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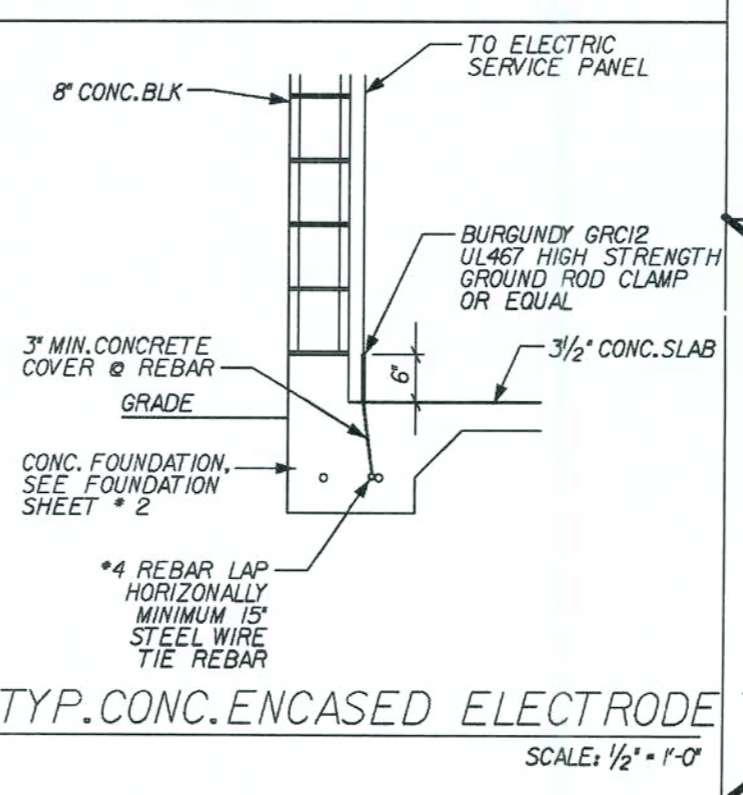
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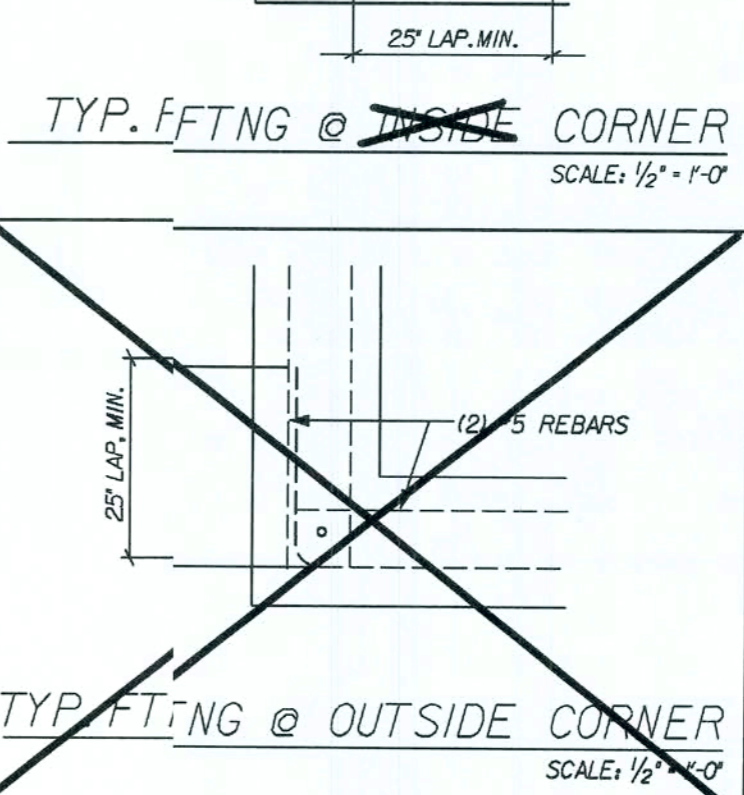
U PIER DETAIL #2
 REVISED 02-20-07 16\"/>



T SUNBURY - 'V' PIER DETAIL #1
 REVISED 02-20-07 16\"/>



TYP.CONC.ENCASED ELECTRODE
 SCALE: 1/2" = 1'-0"



TYP.FTNG @ OUTSIDE CORNER
 SCALE: 1/2" = 1'-0"

REVISIONS:

Maronda Homes
 FLORIDA
 (407) 321-0064 4005 MARONDA WAY SANFORD, FLORIDA
 THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 - RESIDENTIAL AND 2005 SUPPLEMENT

FOOTINGS STANDARD DETAILS
SUNBURY-NEWBERRY
 DRAWN BY: GARAGE:
 RELEASE DATE: 10-08-04
 1150258

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

Tomas Ponce P.E.
 License No. 0050068
 August 28, 2008

SHEET:
FTG
 PLOT DATE: 22 FEB 2008
 FLORIDA BUILDING CODE 2004 - RESIDENTIAL

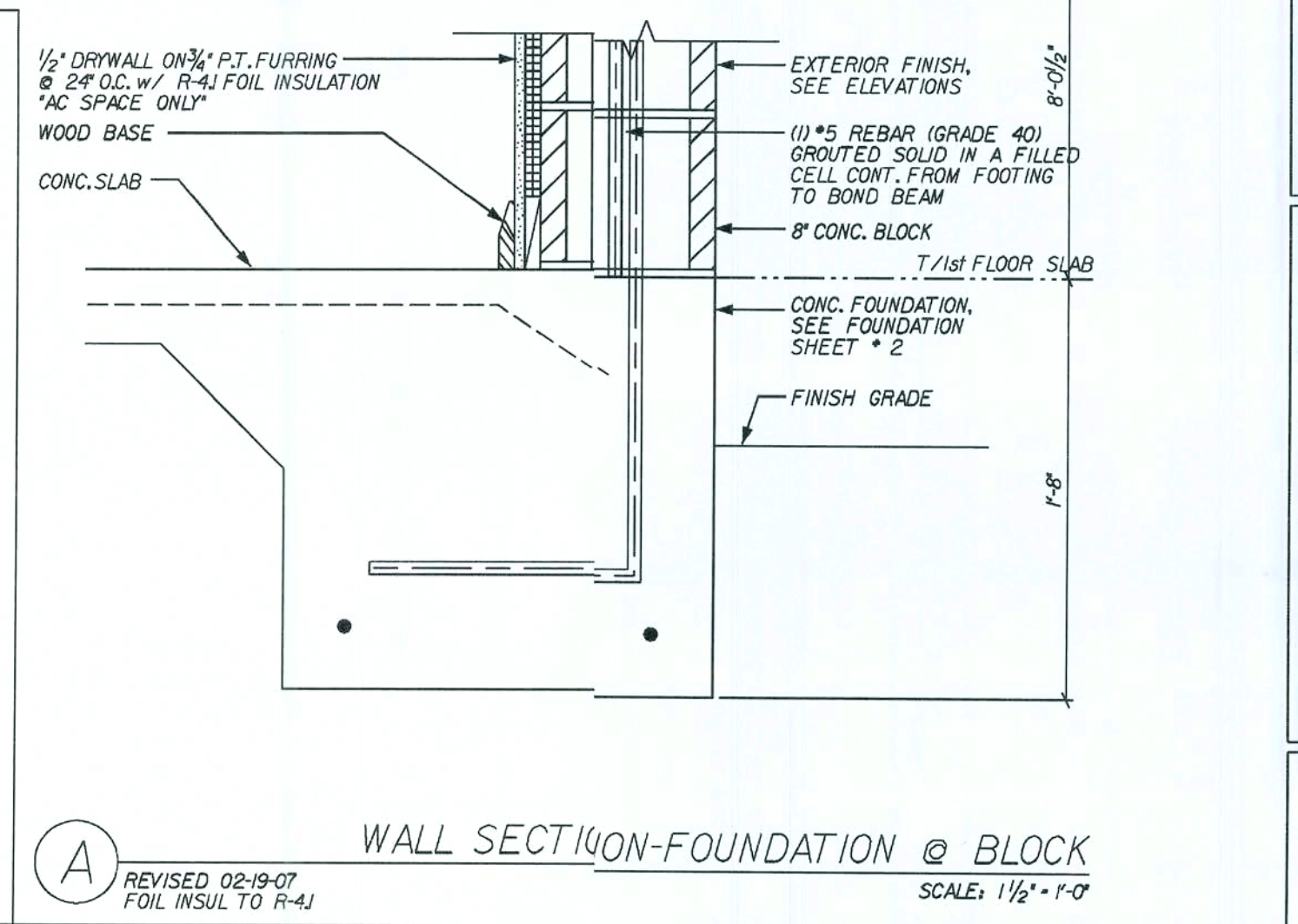
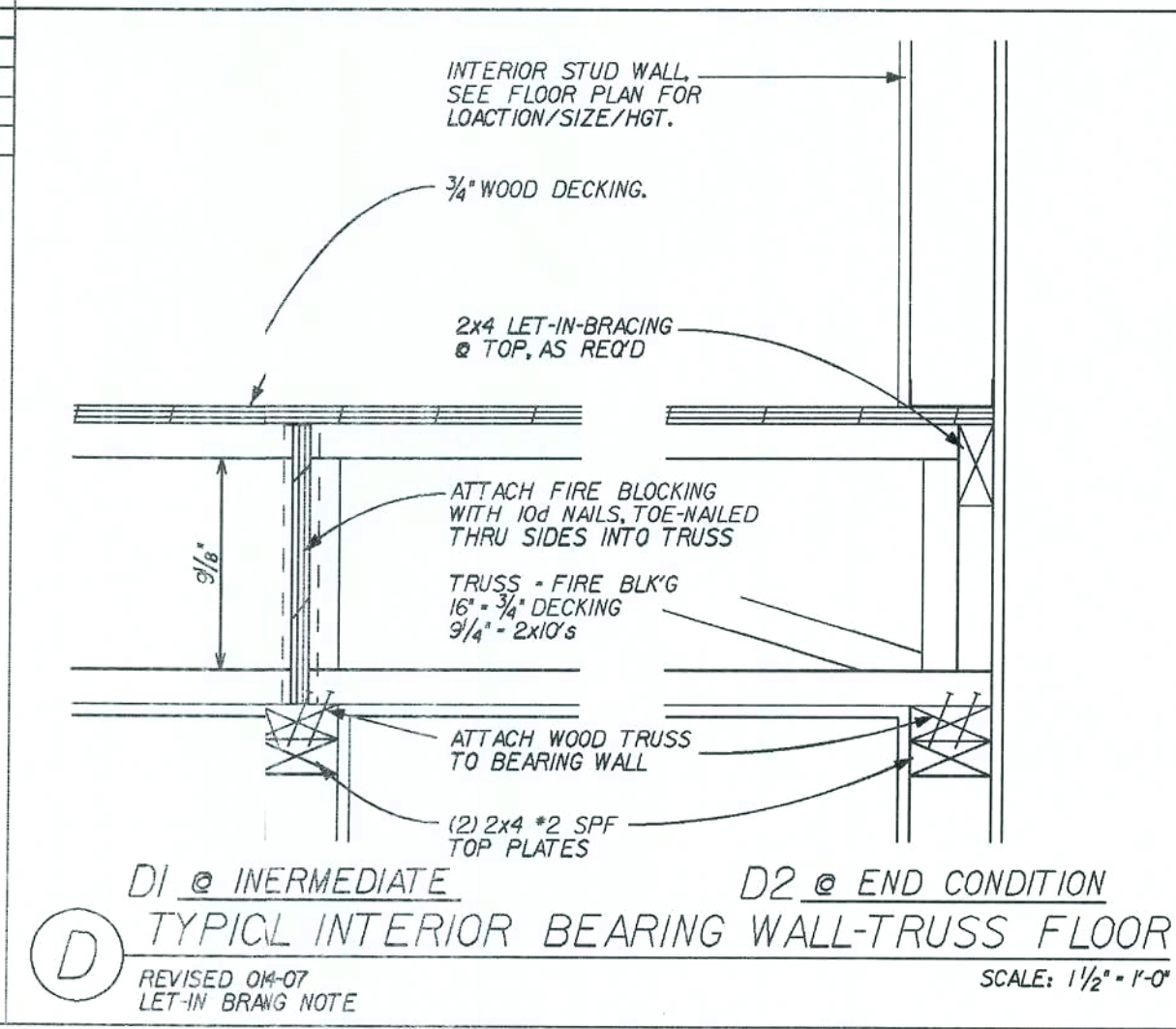
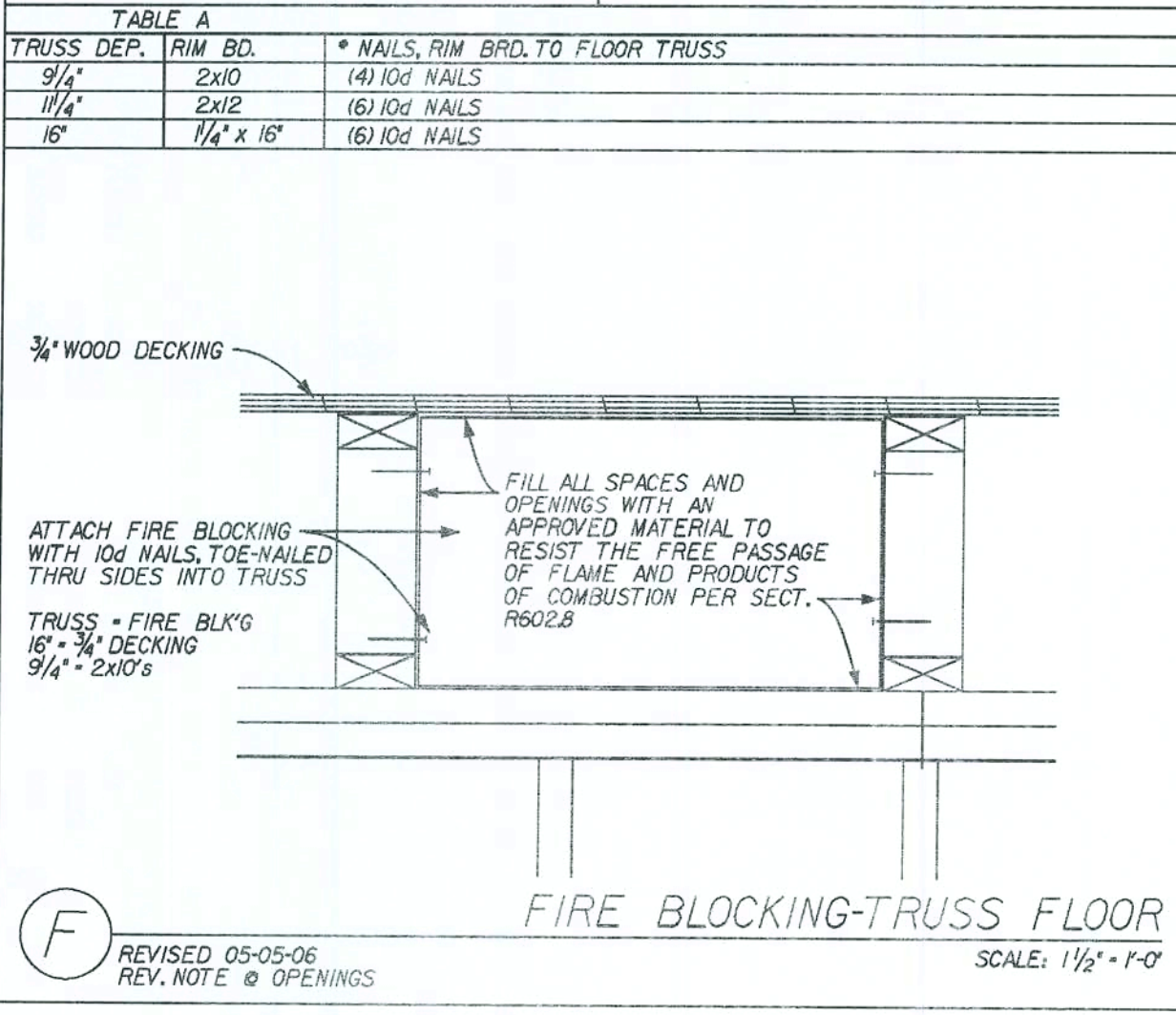
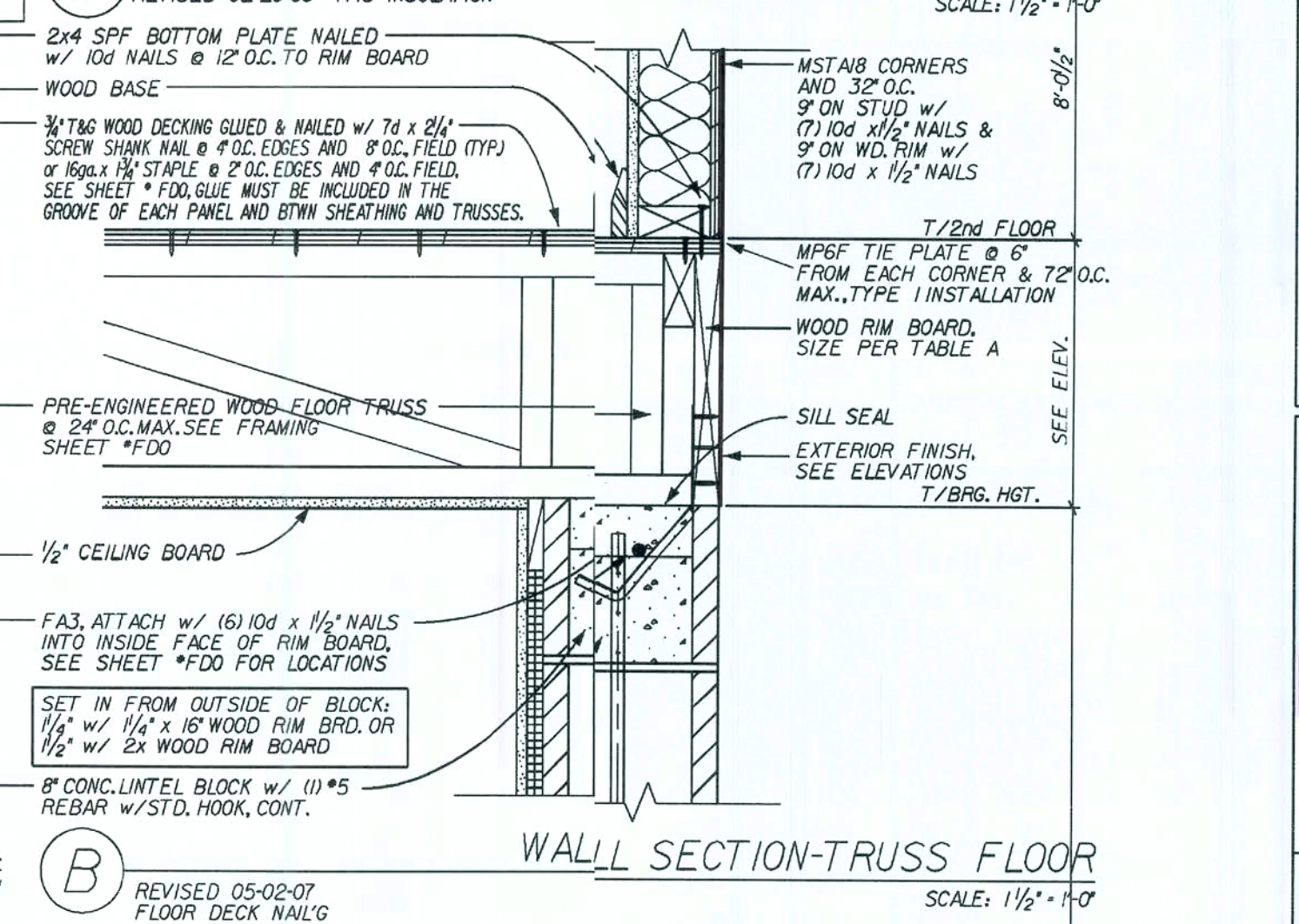
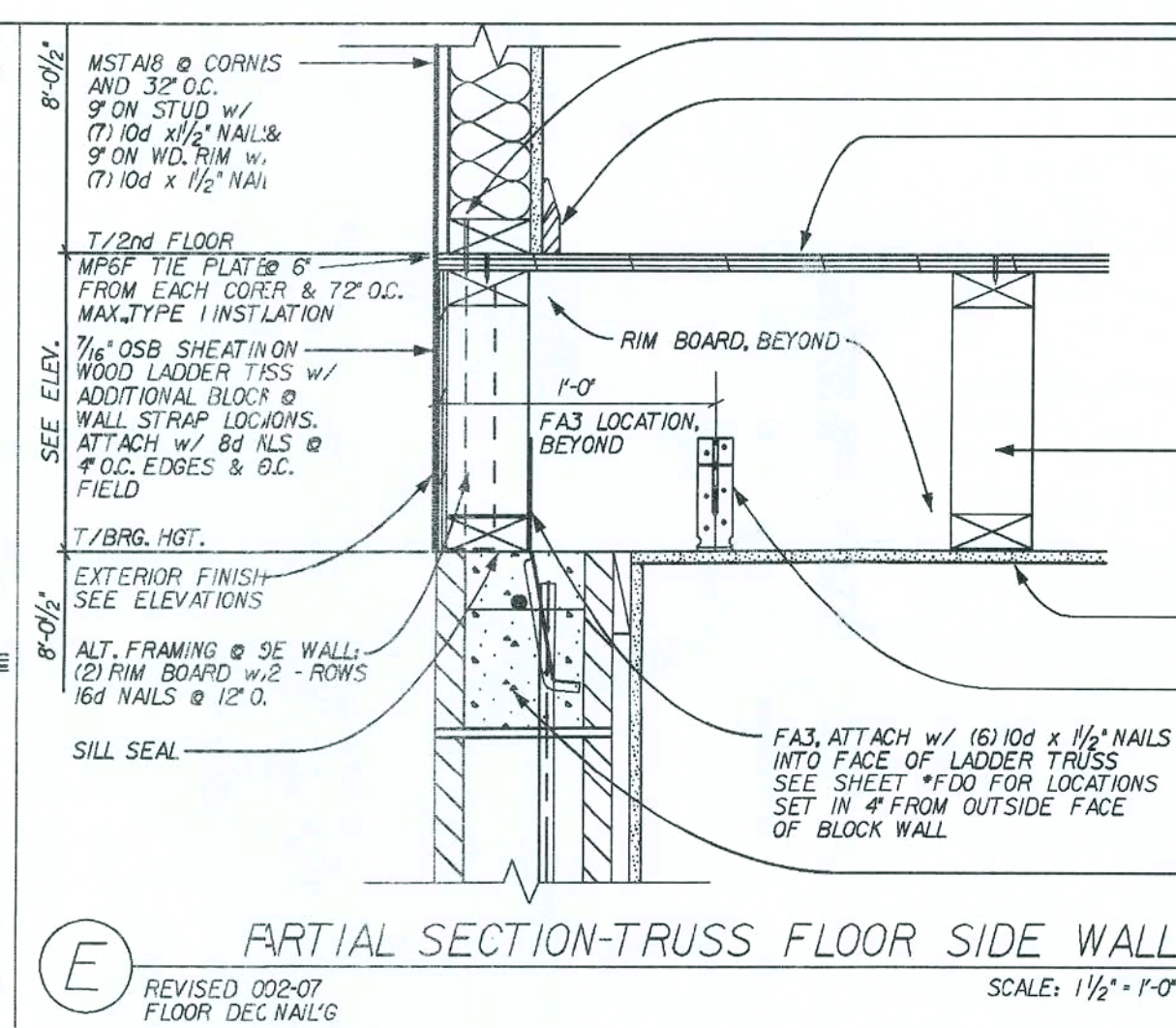
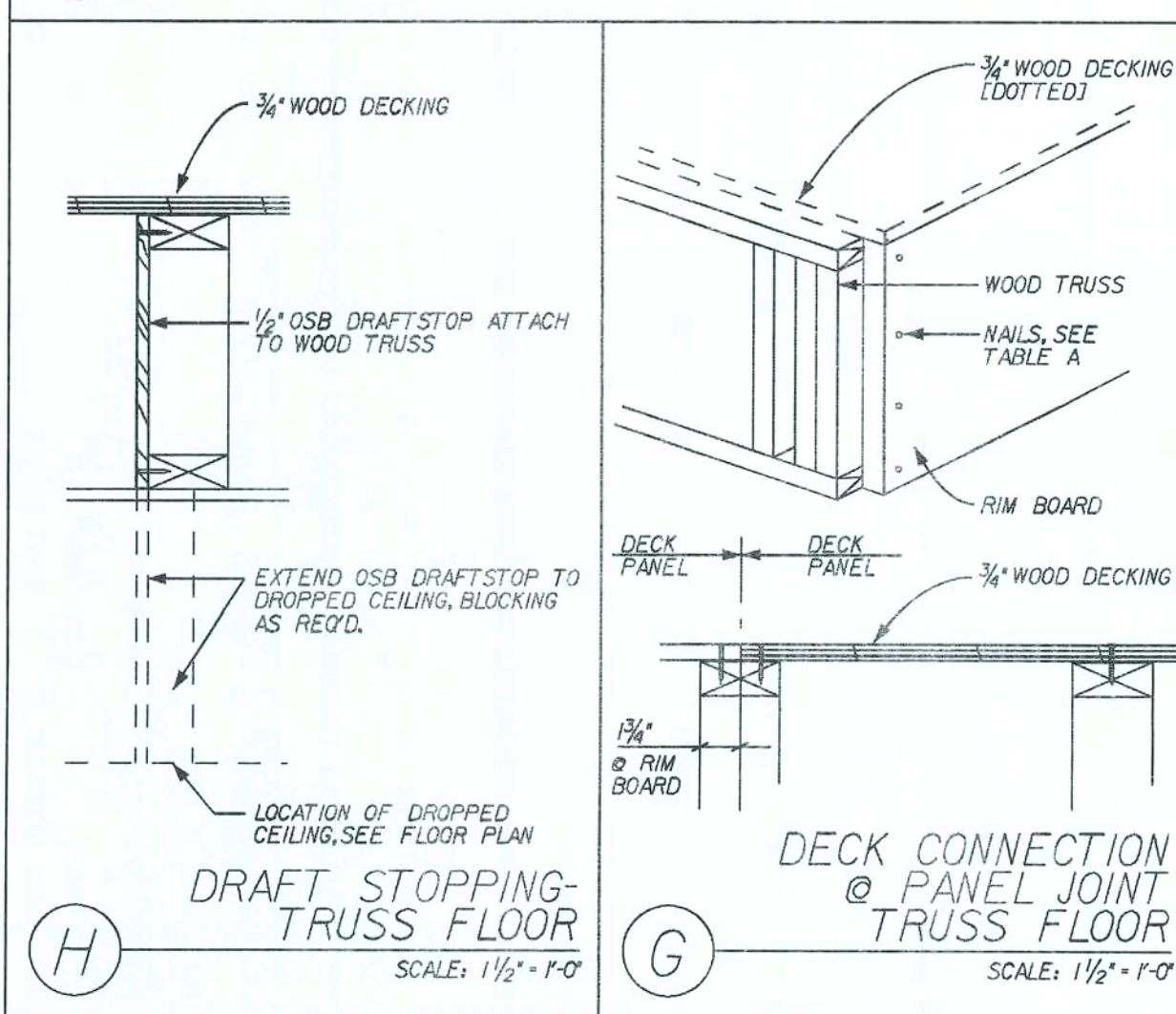
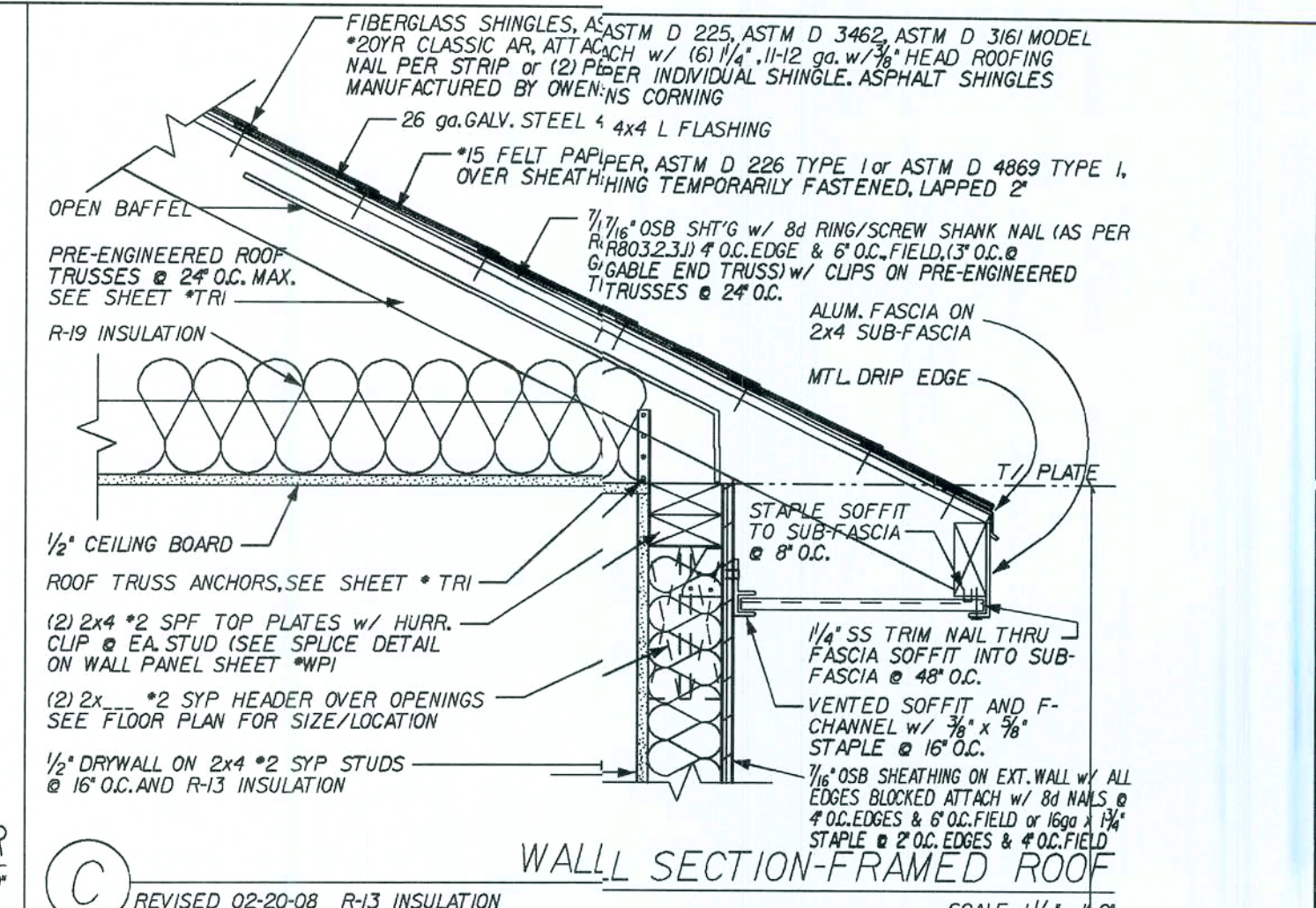
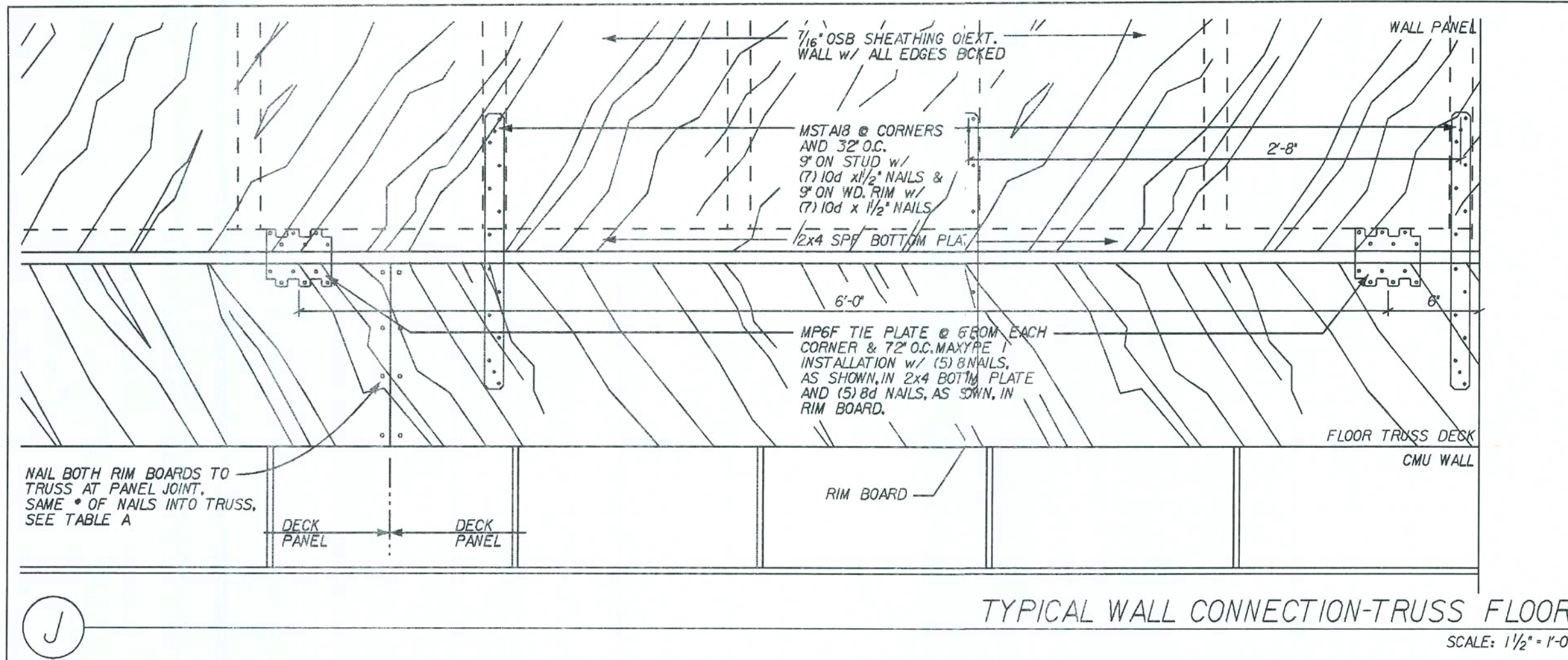


TABLE A

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

REVISIONS:

Maronda Homes

FLORIDA BUILDING CODE 2004: RESIDENTIAL, AM2005, 2006 SUPPLEMENT

SUNBURY-NEWBERRY

TWO STORY WALL SECTIONS

Garage

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

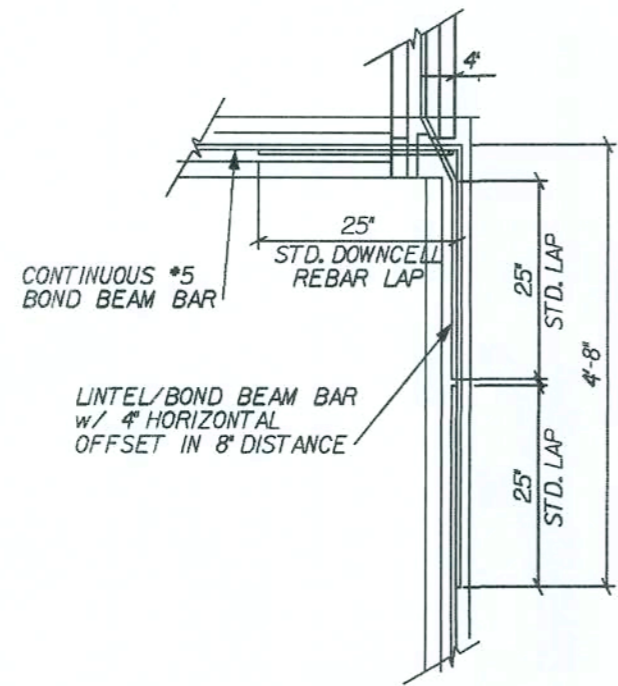
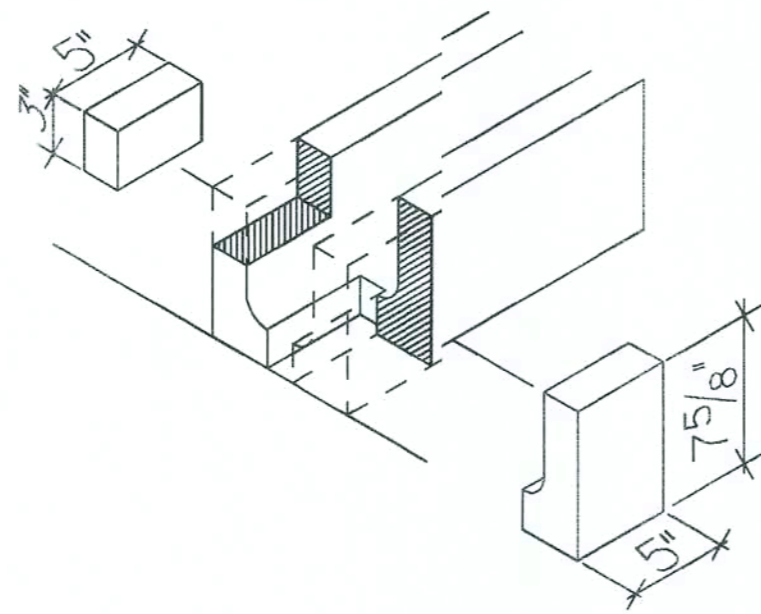
Tomas Ponce P.E.
License No. 0050068

August 28, 2008

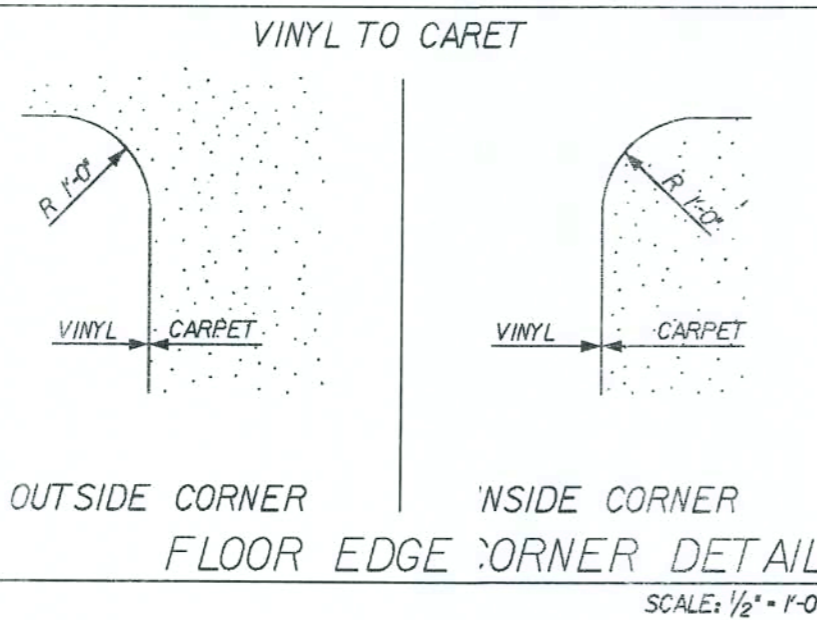
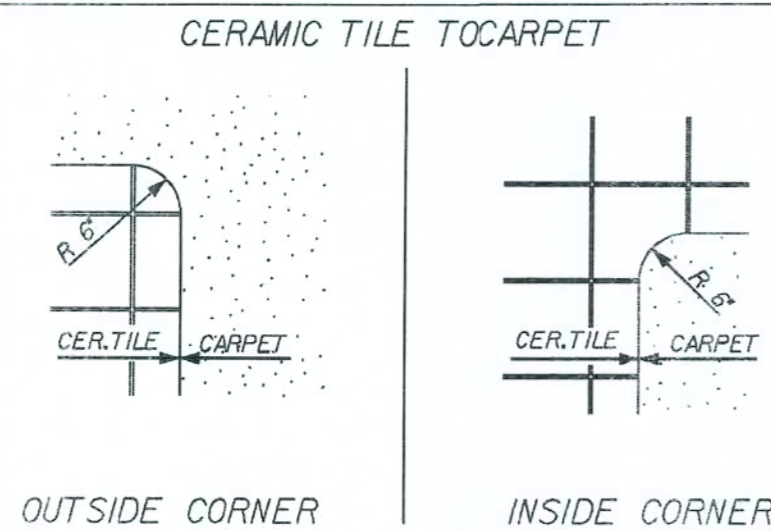
SHEET: WS-S1

FLORIDA BUILDING CODE 2004: RESIDENTIAL

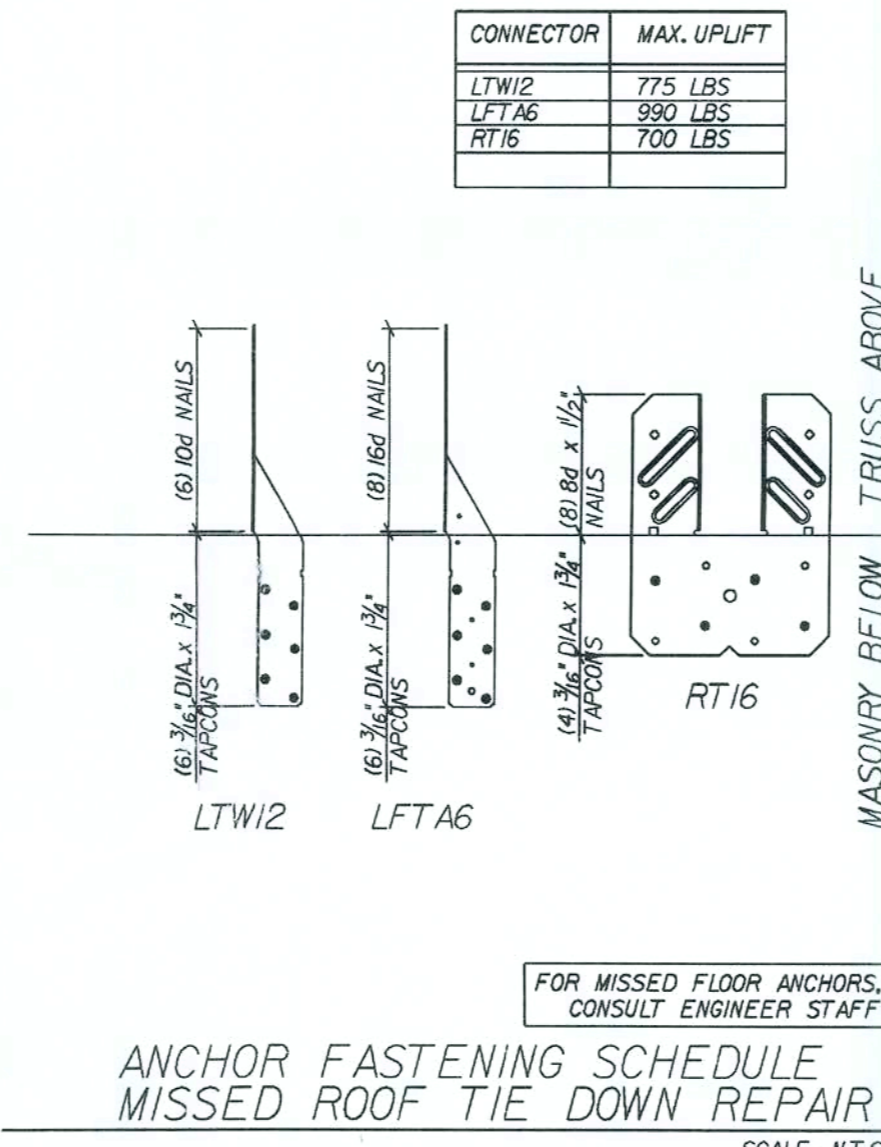
USP HARDWARE - 160%		REVISED 05-10-06	
PRODUCT CODE #	MAN.	FASTENERS	UPLIFT
C44	USP	POST (6) 16d BEAM (6) 10d x 1 1/2"	1000
FA3	USP	TOP (4) 10d x 1 1/2" SIDE (2) 10d x 1 1/2"	1155
HC520 CLIP	USP	PLATES (11) 8d STUD (6) 8d	445
HHCP2 CRNR CLIP	USP	TRUSS (10) 10d x 1 1/2" PLATE (10) 10d x 1 1/2"	800
HTA 20 ANCHOR	USP	(14) 10d x 1 1/2"	1615
HTA 20(2) ANCHOR	USP	(13) 10d x 1 1/2"	3230
HTW24	USP	(20) 10d	1325
HUGT2	USP	CONC. ANC. BOLT (2) 3/4" - (2) 3/4" WASH 3 1/2" EMBED. - ALL GRDR. - (8) 10d	9790
HUGT3	USP	CONC. ANC. BOLT (2) 3/4" - (2) 3/4" WASH 3 1/2" EMBED. - ALL GRDR. - (8) 10d	9860
JUS 26	USP	(4) 10d HEADER (4) 10d TRUSS	1115
KST227 STRP ANC.	USP	(34) 16d	4750
LPTA	USP	FACE OF GABLE W/ 2x4 (11) 10d x 1 1/2"	1250
LSTA36	USP	(22) 10d x 1 1/2"	1640
LTWI2	USP	(12) 10d	670
LTS20 STRAP ANC	USP	ANCHOR-1/2" WEDGE BOLT 3/4" EMBED. (10) 10d x 1 1/2" STRAP	1890
LBP12 BEARING PLT	USP	1/2" J-BOLT	2515
LFTA6	USP	PLATE (8) 8d STUD (8) 8d	1035
MP6F	USP	HEADER/STUD (6) 8d TYPE 1 JOIST/PLATE (6) 8d	605
MPA1 & MPA1F	USP	HEADER/STUD (6) 8d JOIST/PLATE (6) 8d	660
MSTAI2	USP	(10) 10d	1015
MSTAI8	USP	(14) 10d	1420
MSTA24	USP	(18) 10d	1640
MSTA30	USP	(22) 10d	2065
MTWI2	USP	(14) 10d	1030
MTWI8	USP	(14) 10d	1030
MTS27B STRP ANC	USP	(24) 16d (1) 3/4" ANCHOR BOLT 3 1/2" EMBEDDED	4635
MUGT15	USP	(22) 10d (1) 3/4" ANCHOR BOLT 3 1/2" EMBEDDED	4165
NP37 3/8 X 7	USP	HEADER (6) 16d TOP OF BOT. SEC. (6) 10d x 1 1/2"	
PA 28	USP	(15) 16d	3360
RT-16	USP	TOP PLATES (8) 8d TRUSS (8) 8d x 1 1/2"	1030
RT-16A	USP	TRUSS (9) 10d x 1 1/2" PLATE (8) 10d	1380
RT16-2	USP	TOP PLATES (8) 8d TRUSS (8) 8d x 1 1/2"	1160
RT5 CLIPS L/R	USP	TRUSS (4) 8d PLATE (4) 8d	540
RT3 CLIPS L/R	USP	(4) 8d TOP (4) 8d BOTTOM	530
SKH 26 L/R	USP	HEADER (6) 16d JACK (6) 10d x 1 1/2"	1085
SKHH26 L/R	USP	HEADER (18) 16d JACK (12) 10d x 1 1/2"	2190
SUH 26	USP	HEADER (6) 10d JACK (4) 10d x 1 1/2"	725
SUH 28	USP	HEADER (8) 10d JACK (6) 10d x 1 1/2"	800
TA12	USP	(5) #10 SCREWS (9) #10 SCREWS	825 910
TA 14	USP	(7) 10d x 1 1/2"	920
TA 18	USP	(8) 10d x 1 1/2"	1205
(2)TA 18	USP	(8) 10d x 1 1/2" 1-PLY (8) 10d x 1 1/2" 2-PLY	2410 2410
TA 24	USP	(8) 10d x 1 1/2"	1205
(2)TA 24	USP	(8) 10d x 1 1/2" 1-PLY (8) 10d x 1 1/2" 2-PLY	2410 2410
THD26	USP	HEADER (18) 16d TRUSS (12) 10d x 1 1/2"	2170
THD28	USP	HEADER (28) 16d TRUSS (16) 10d x 1 1/2"	2330
THD28-2	USP	HEADER (28) 16d TRUSS (16) 10d x 1 1/2"	2485
THDH28-3	USP	HEADER (36) 16d TRUSS (16) 10d x 1 1/2"	2665
THD48	USP	HEADER (28) 16d TRUSS (16) 10d x 1 1/2"	2485
THJ 26 ²	CLEVELAND	HIP (7) 10d-HEADER (16) 16d JACK (5) 10d x 1 1/2"	1010
USC63	USP	TRUSS (8) 10d (4) 3/4" EXP. BOLTS #6170 2 3/4" EMBEDDED	11150
USC3F	USP	TRUSS (8) 10d (4) 3/4" EXP. BOLTS #6170 2 3/4" EMBEDDED	11150
USC73	USP	TRUSS (8) 16d (4) 3/4" EXP. BOLTS #6170 2 3/4" EMBEDDED	11150
UGTS63	USP	TRUSS (8) 16d (2) 3/4" ANC. BOLTS 2 3/4" EMBEDDED	6170



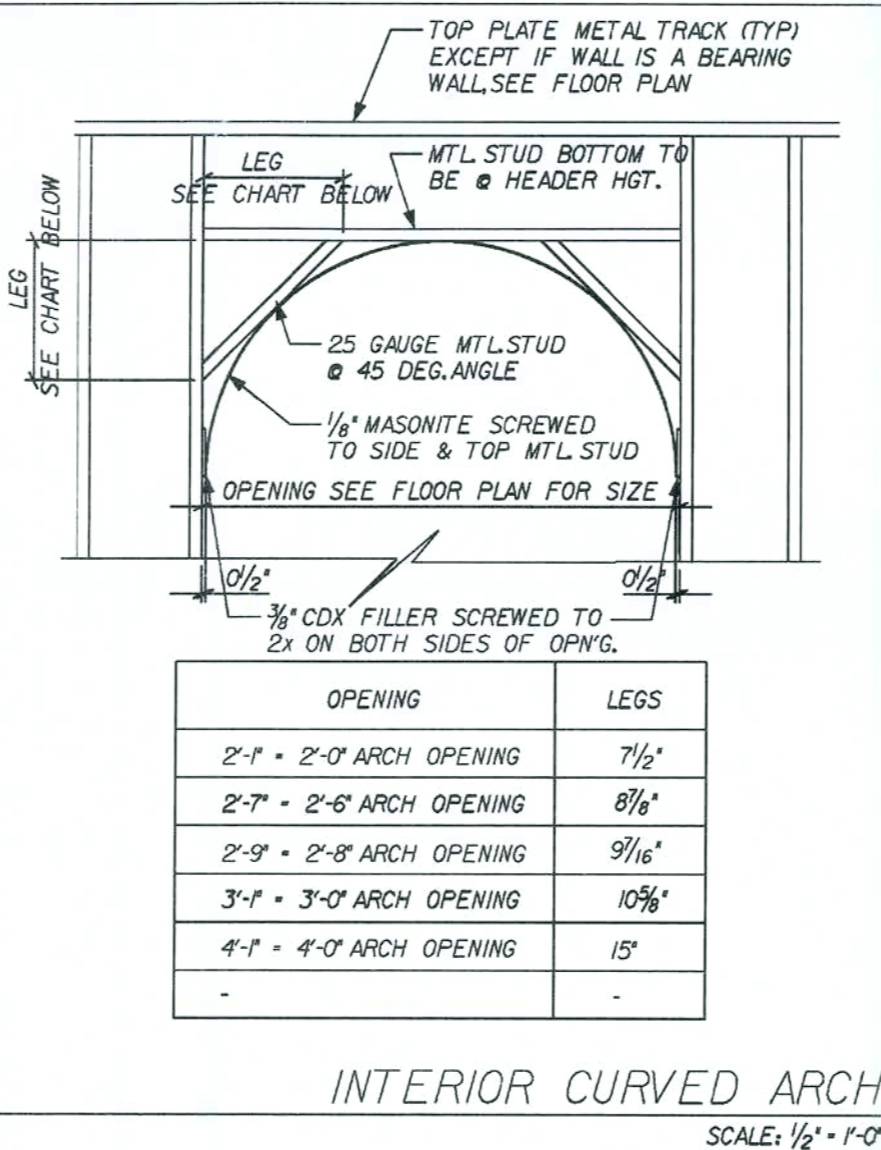
MODIFIED LINTEL @ FRONT PORCH
SCALE: N.T.S.



OUTSIDE CORNER INSIDE CORNER
VINYL TO CARPET
FLOOR EDGE CORNER DETAIL
SCALE: 1/2" = 1'-0"

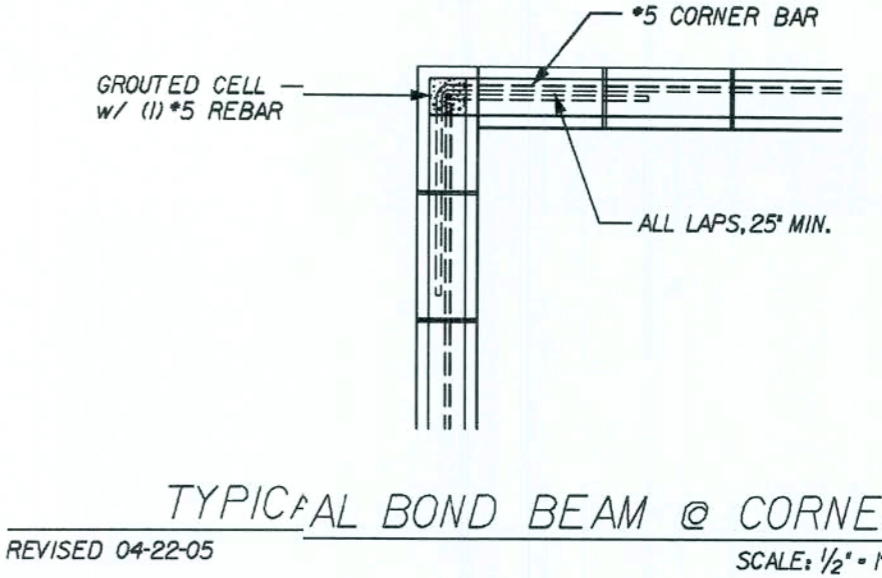


ANCHOR FASTENING SCHEDULE
MISSED ROOF TIE DOWN REPAIR
SCALE: N.T.S.

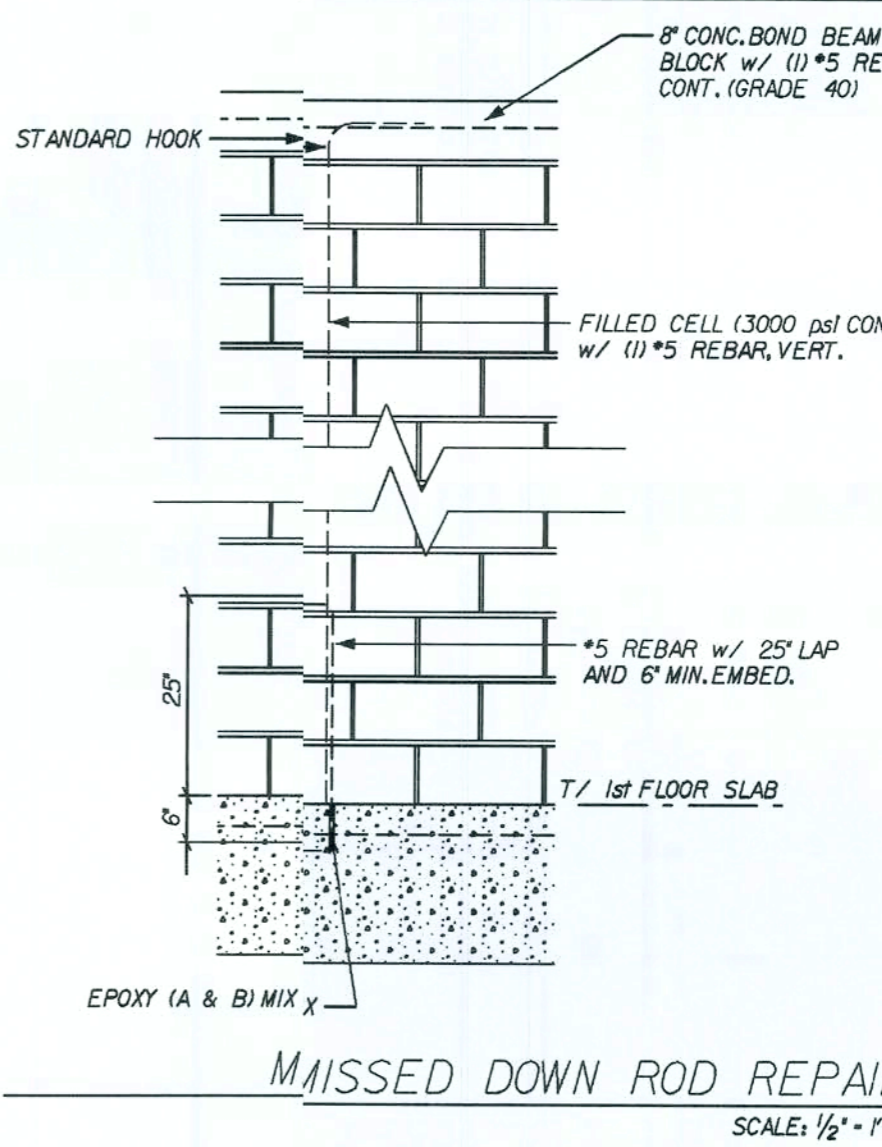


OPENING	LEGS
2'-0" x 2'-0" ARCH OPENING	7 1/2"
2'-7" x 2'-6" ARCH OPENING	8 7/8"
2'-9" x 2'-8" ARCH OPENING	9 1/16"
3'-1" x 3'-0" ARCH OPENING	10 5/8"
4'-1" x 4'-0" ARCH OPENING	15"

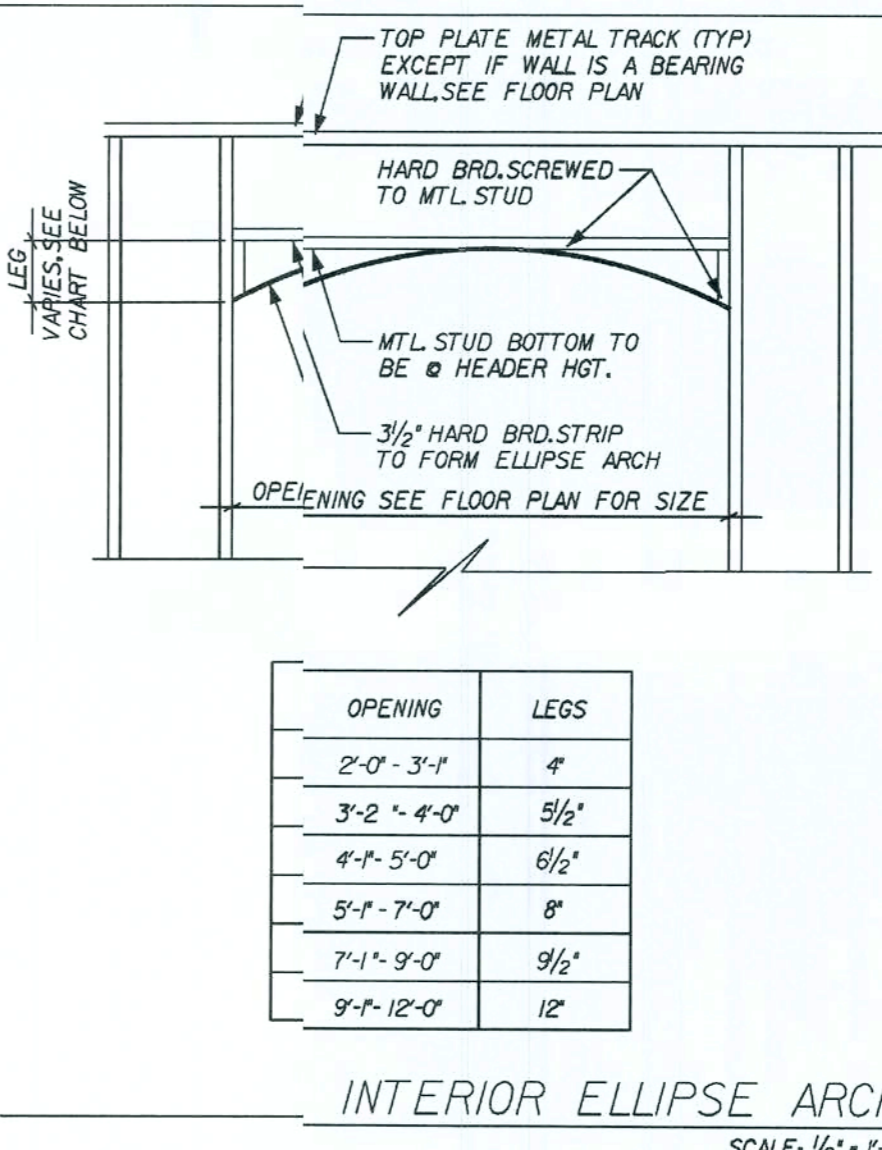
INTERIOR CURVED ARCH
SCALE: 1/2" = 1'-0"



TYPICAL BOND BEAM @ CORNER
REVISED 04-22-05
SCALE: 1/2" = 1'-0"



MISSED DOWN ROD REPAIR
SCALE: 1/2" = 1'-0"



OPENING	LEGS
2'-0" x 3'-1"	4"
3'-2" x 4'-0"	5 1/2"
4'-1" x 5'-0"	6 1/2"
5'-1" x 7'-0"	8"
7'-1" x 9'-0"	9 1/2"
9'-1" x 12'-0"	12"

INTERIOR ELLIPSE ARCH
SCALE: 1/2" = 1'-0"

REVISIONS:

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

AMERICANA STANDARD DETAILS
SUNBURY-NEWBERRY

FLORIDA STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 - RESIDENTIAL AND 2005, 2006 SUPPLEMENT

DRAWN BY: GARAGE:
RELEASE DATE: 10-08-04
11/5/02

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

Tomas Ponce P.E.
License No. 0050068
August 28, 2008

SHEET:
SDI

FLORIDA BUILDING CODE 2004 - RESIDENTIAL

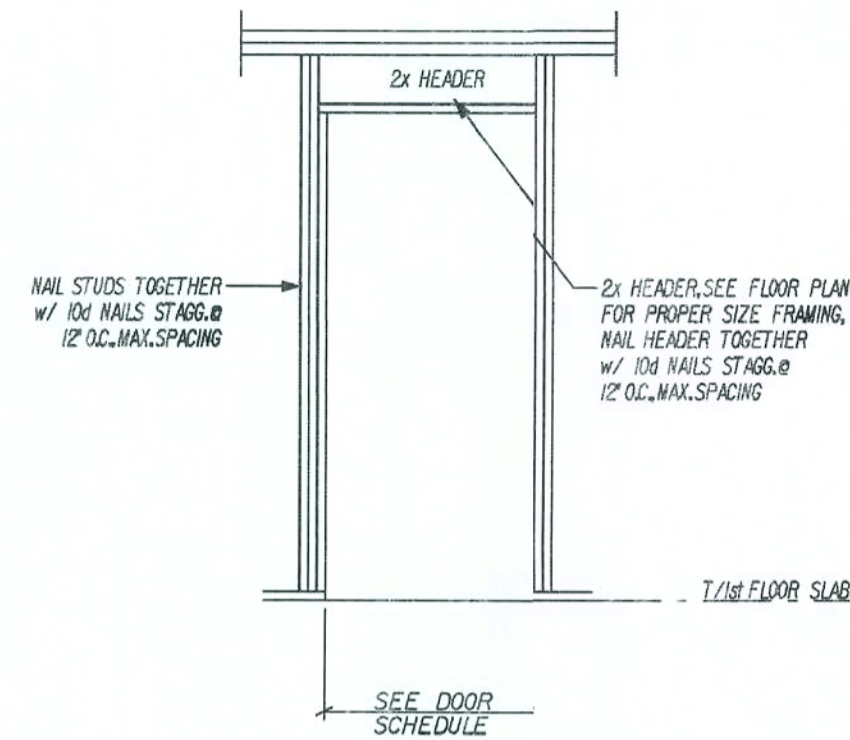
DOOR SCHEDULE

REVISED 02-15-07
83 3/4" -> 82 1/2"

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

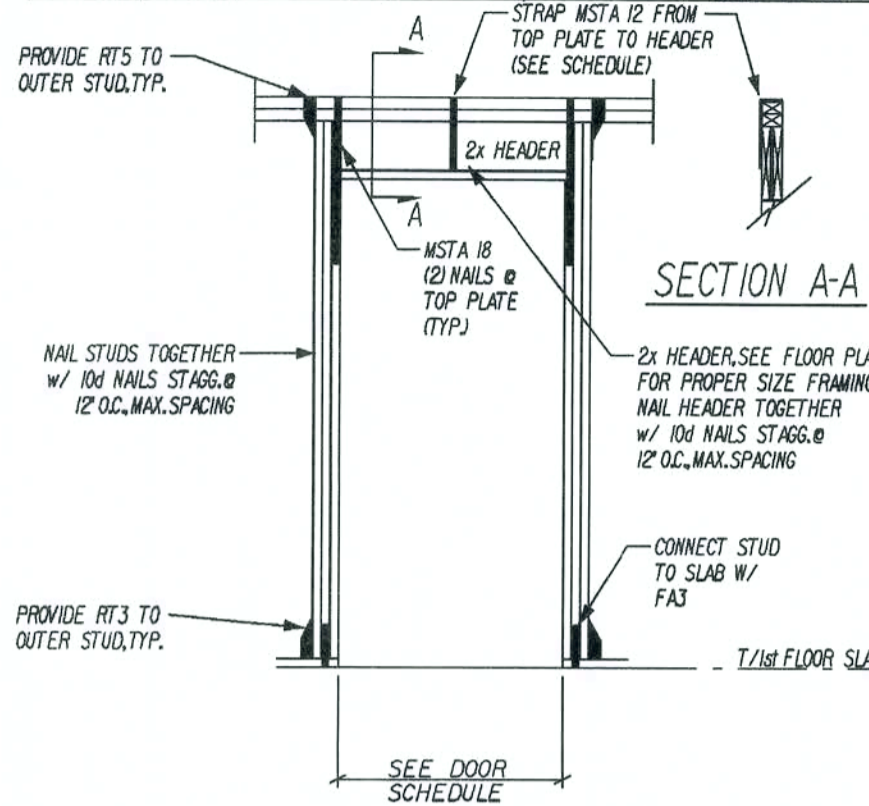
- ** FINISH OPENING IS DETERMINED BY ACTUAL SIZE 1/4" FOR HEIGHT
- ** FINISH OPENING IS DETERMINED BY ACTUAL SIZE 1/2" FOR WIDTH
- ** O.S. = OUTSWING
- ** I.S. = INSWING

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

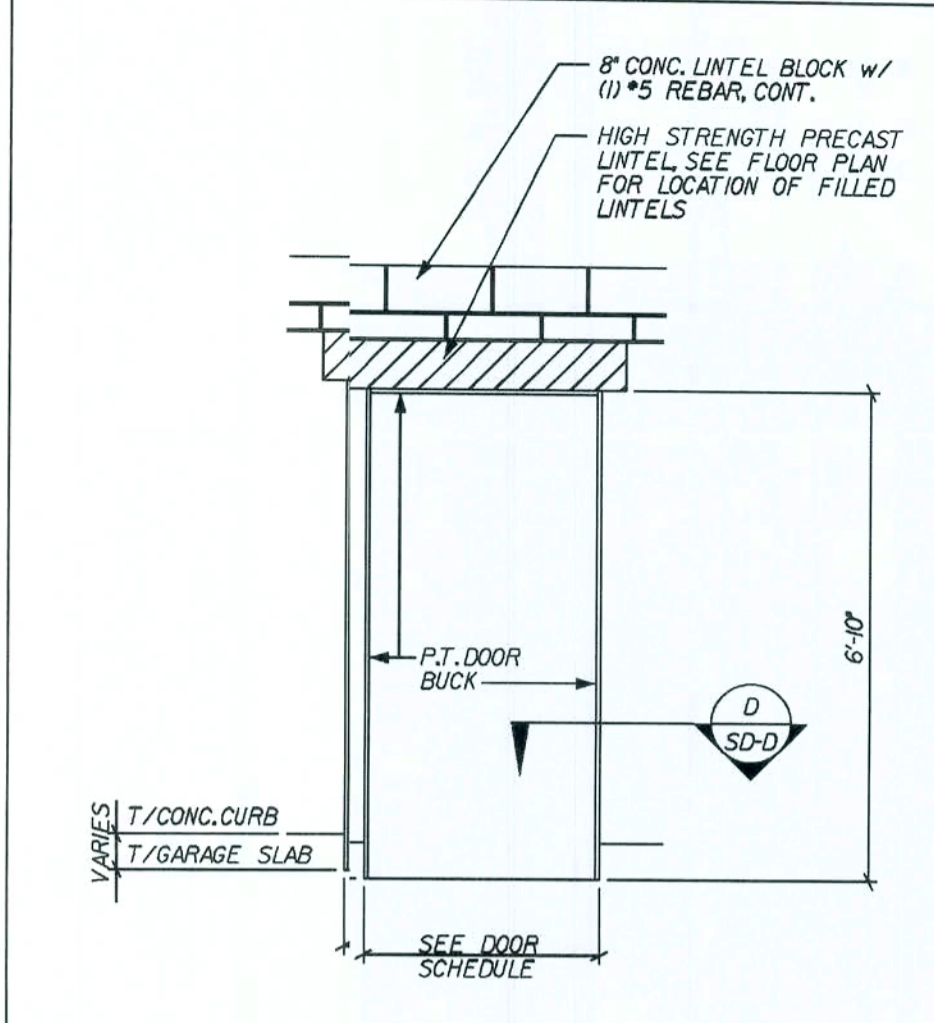


(K) STD. DOOR - WD FRAME, NO-UPLIFT
SCALE: N.T.S.

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)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	2	2	(1) @ CEN. OF HDR.
6'-3"	(1)	2x HEADER, SEE FLOOR PLAN FOR PROPER SIZE FRAMING	2	3	(1) @ 2'-0" OFF EA. END OF HDR.

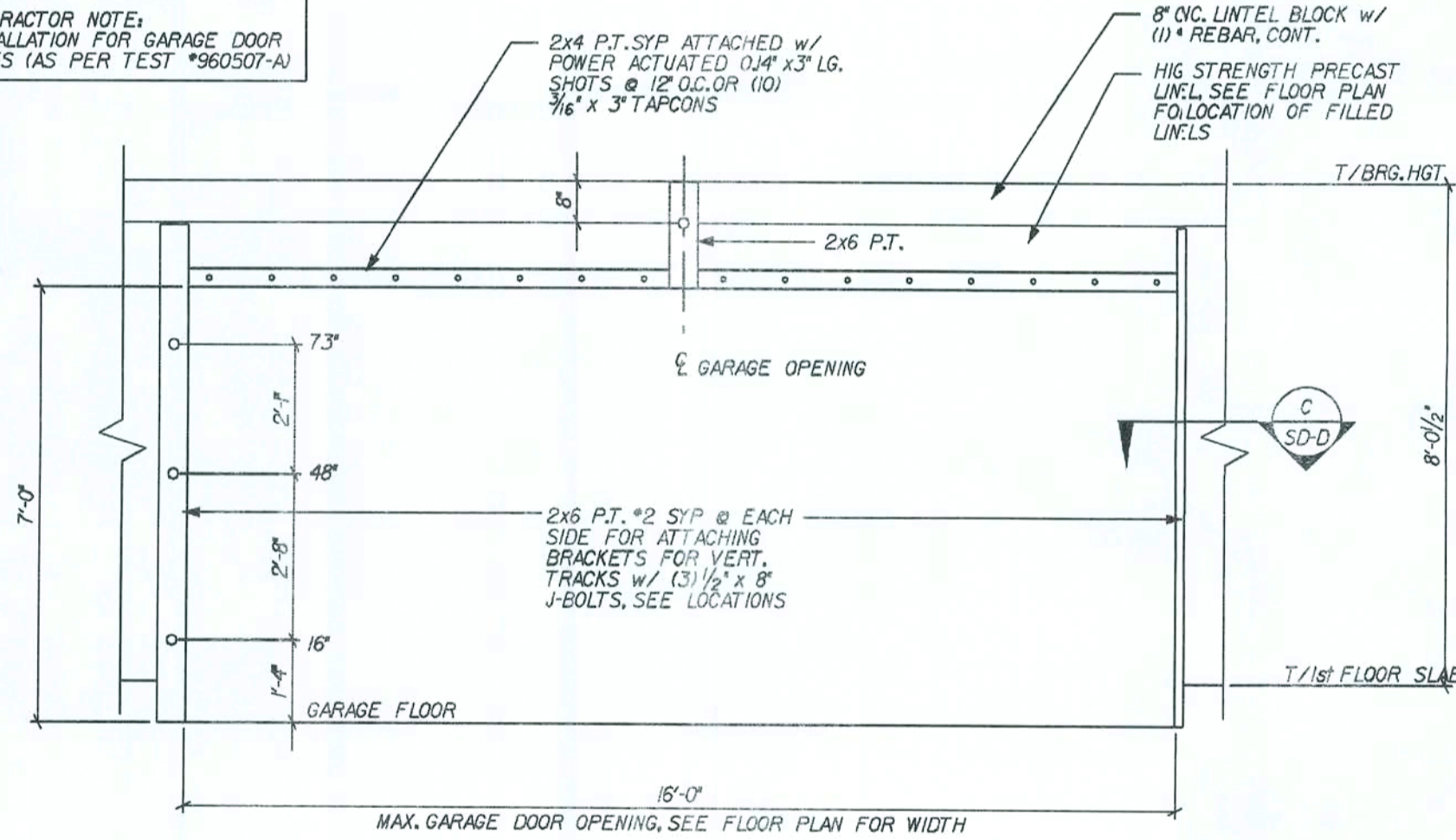


(J) STD. DOOR - WD FRAME, UPLIFT
SCALE: N.T.S.

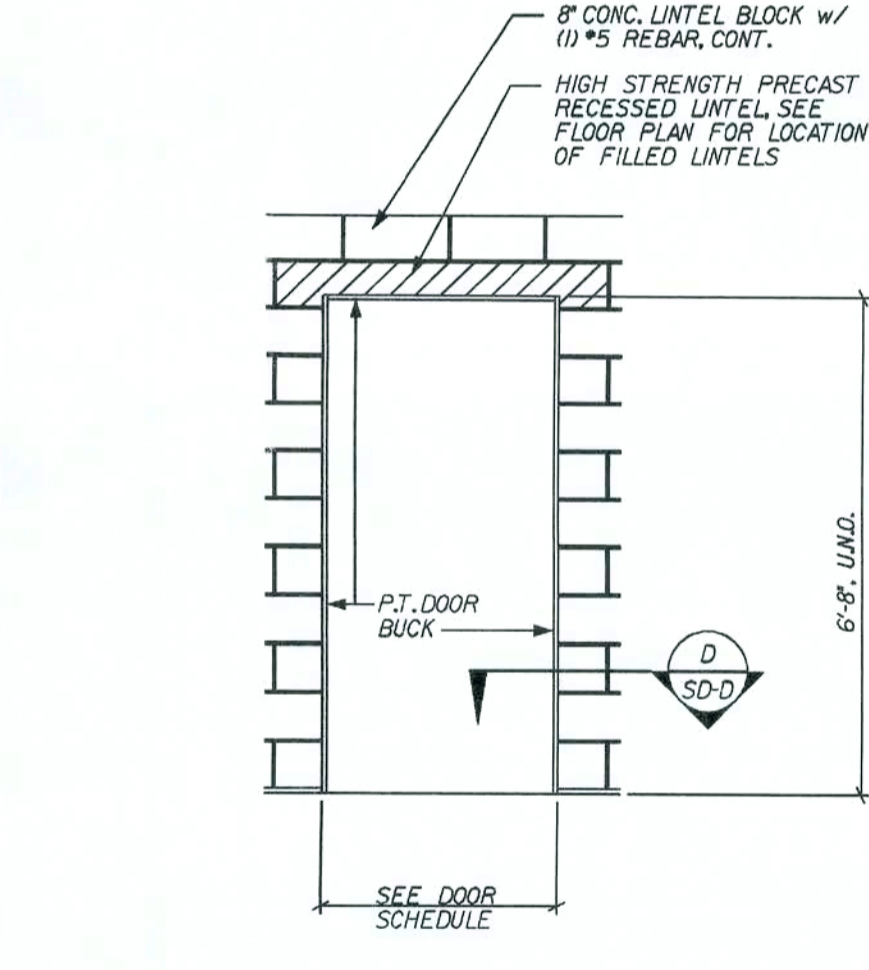


(H) OPTIONAL SERVICE DOOR
REVISED 08-12-04
SCALE: 3/8" = 1'-0"

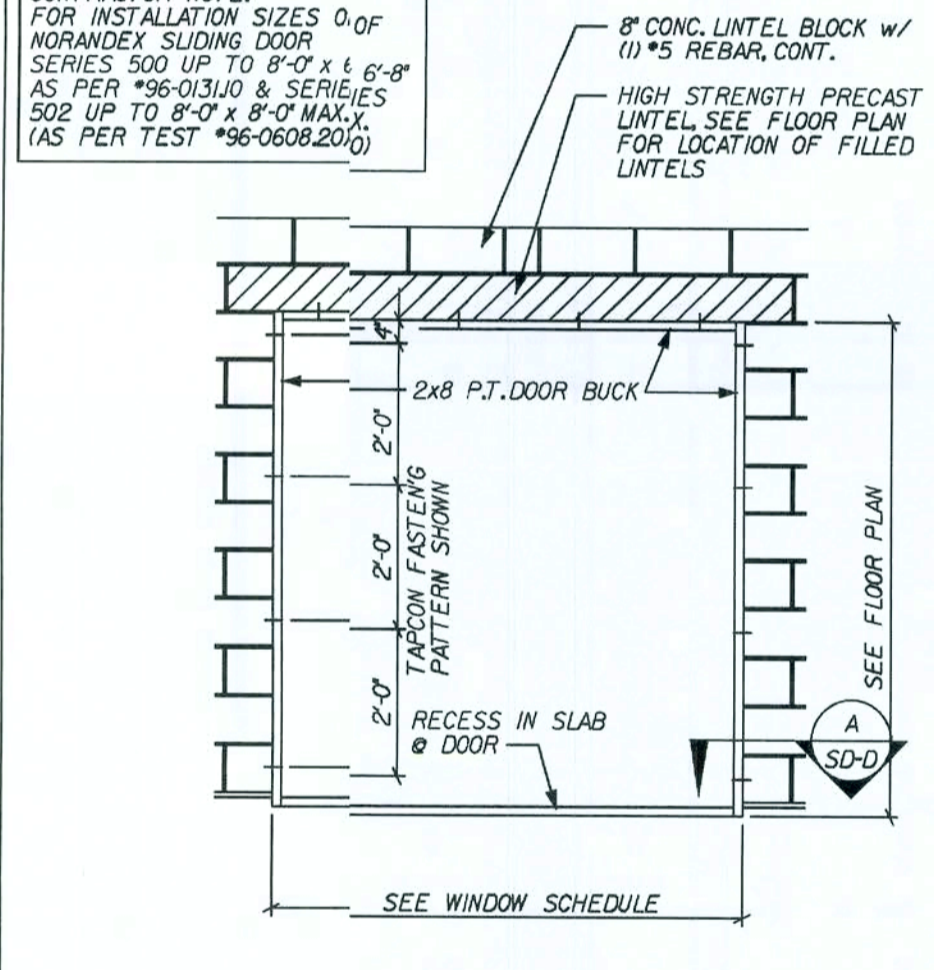
CONTRACTOR NOTE:
INSTALLATION FOR GARAGE DOOR TYPES (AS PER TEST *960507-A)



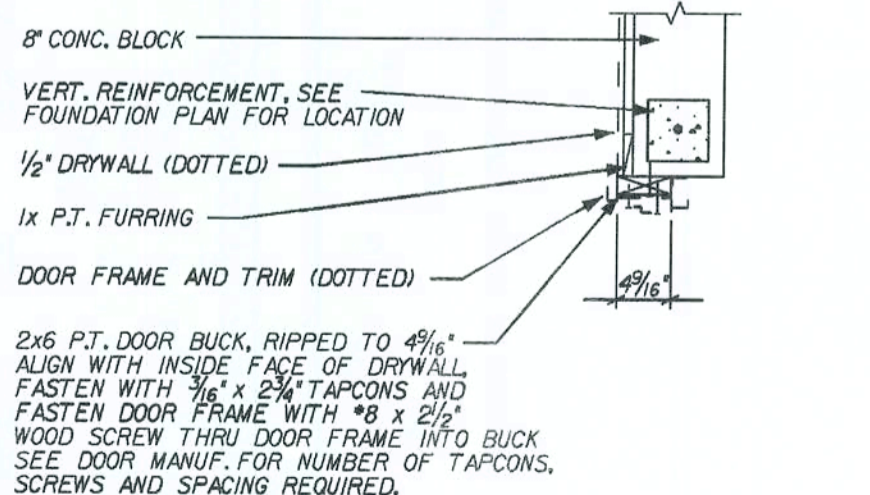
(G) GARAGE DOOR ELEVATION
SCALE: 3/8" = 1'-0"



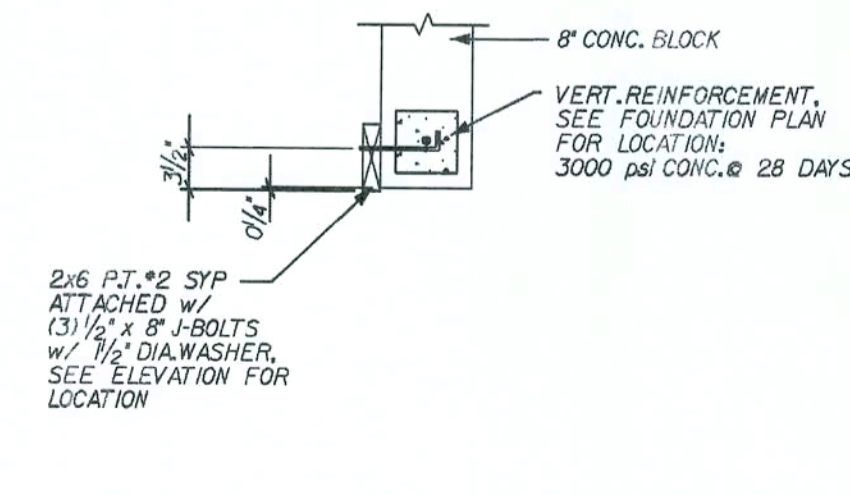
(F) STANDARD DOOR ELEVATION
SCALE: 3/8" = 1'-0"



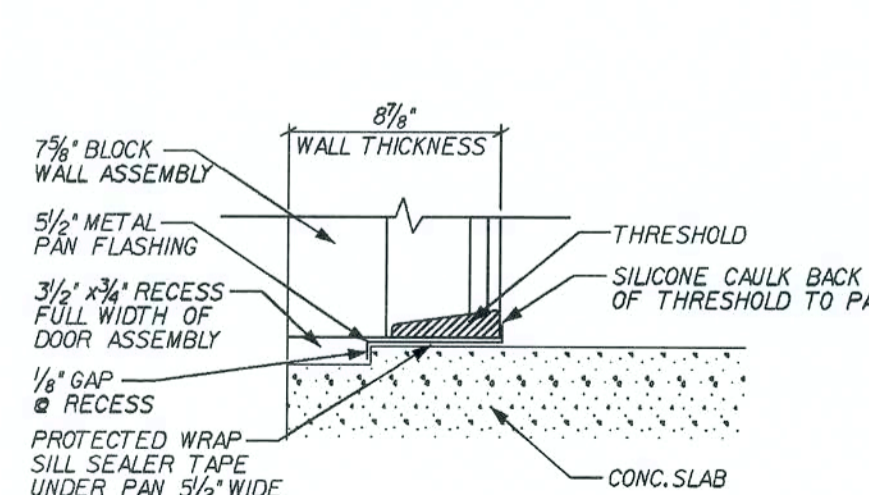
(E) SLIDING GLASS DOOR ELEVATION
SCALE: 3/8" = 1'-0"



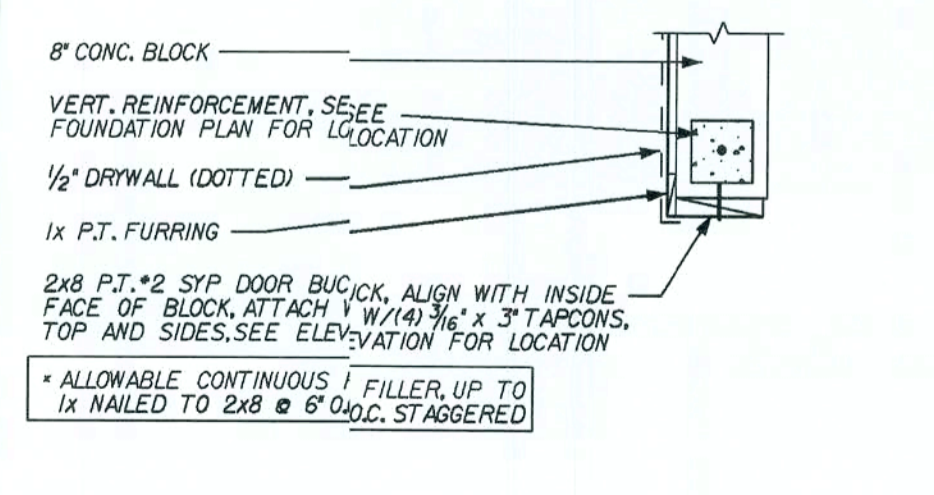
(D) 2x DOOR BUCK DETAIL
SCALE: 3/4" = 1'-0"



(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:

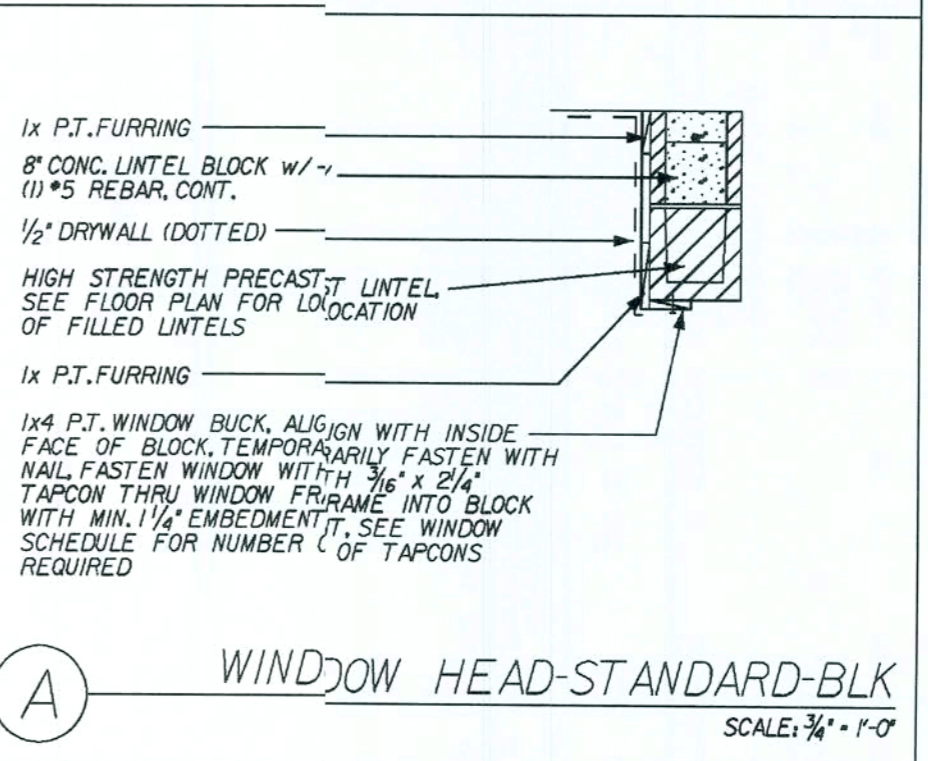
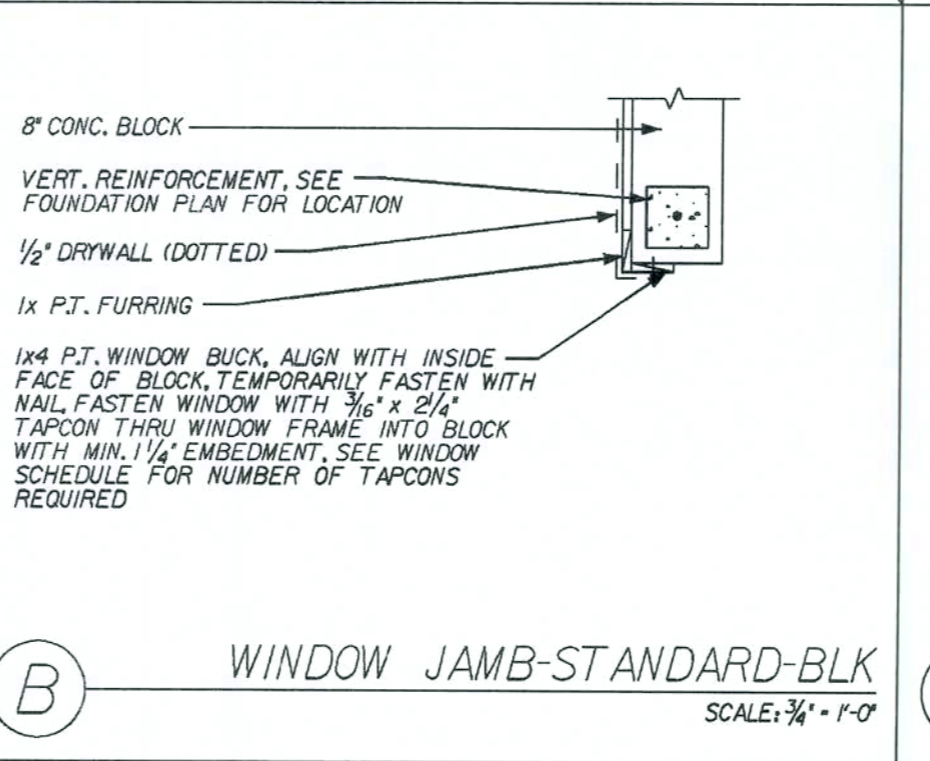
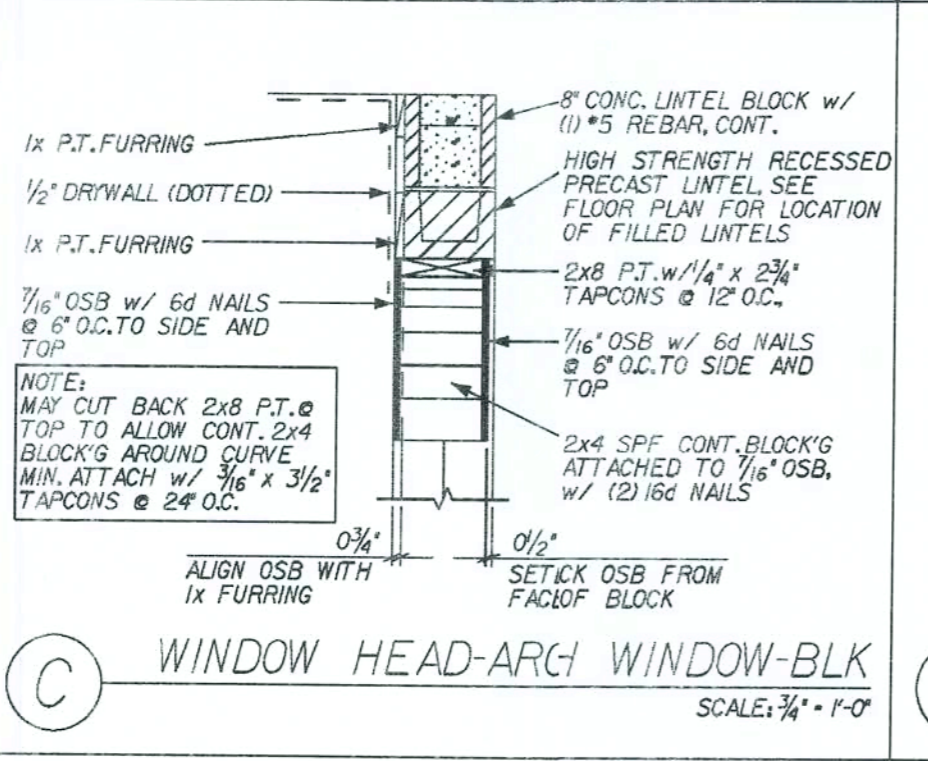
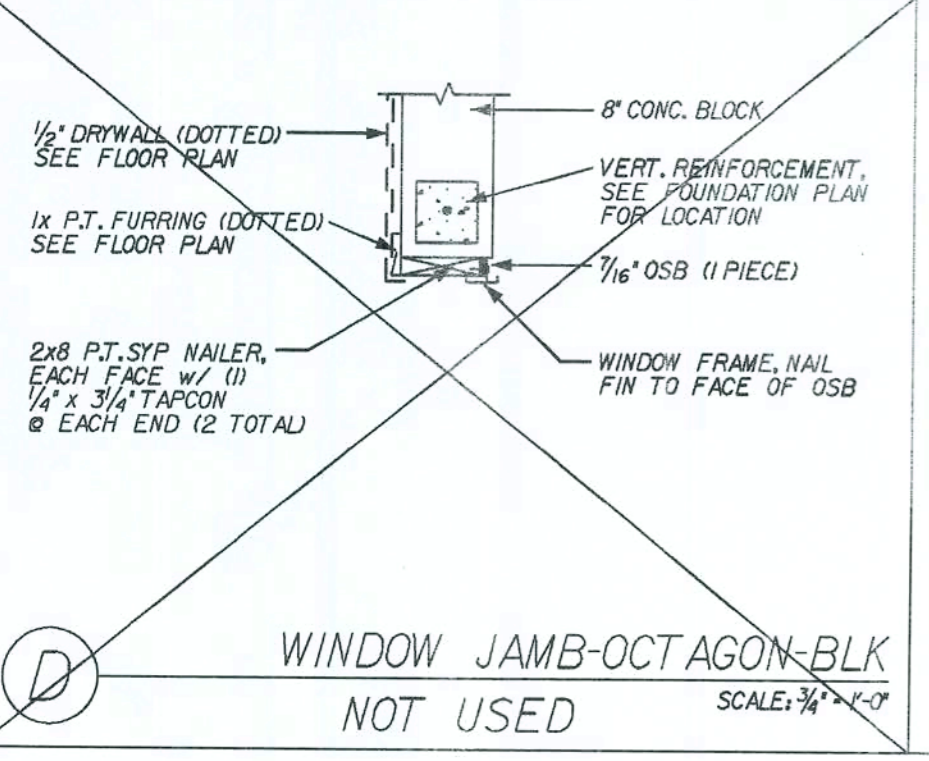
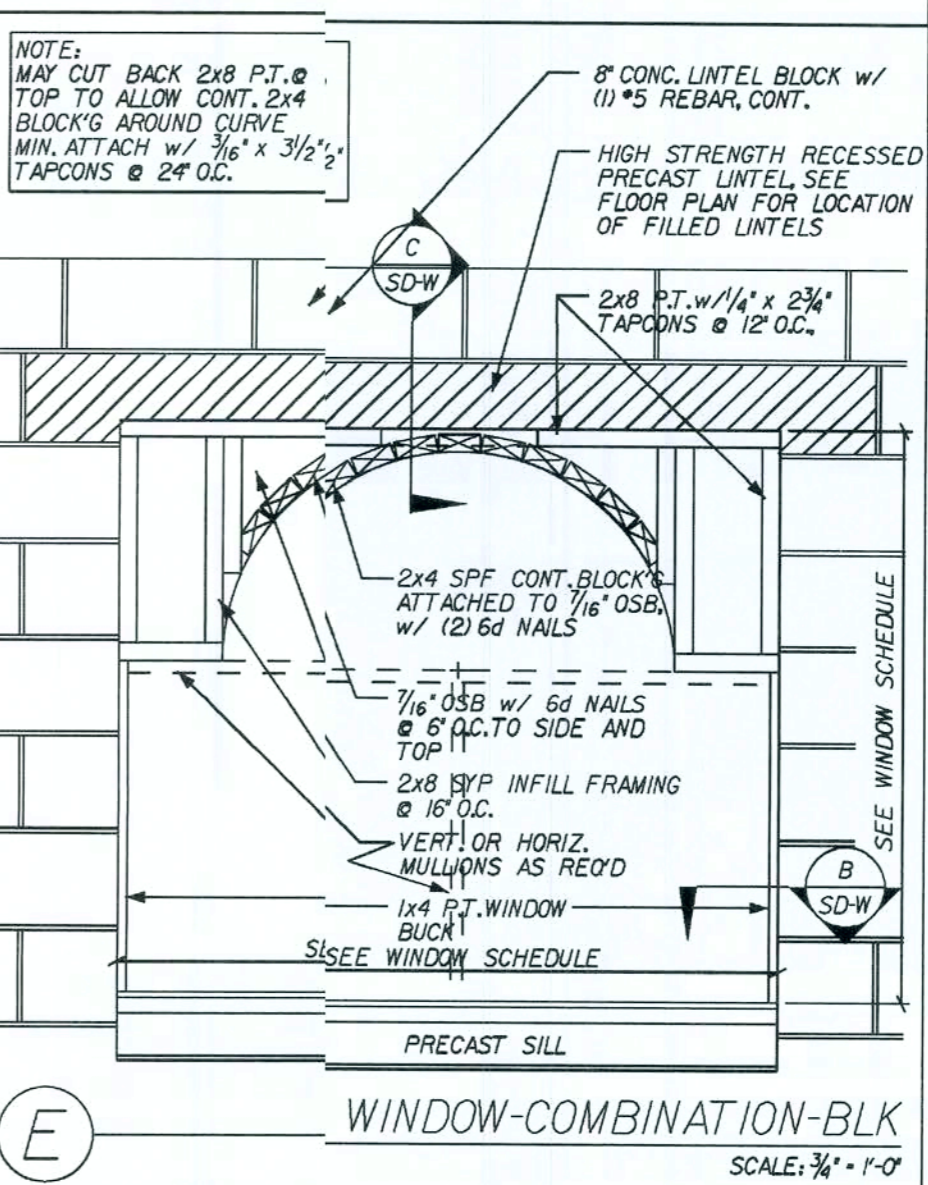
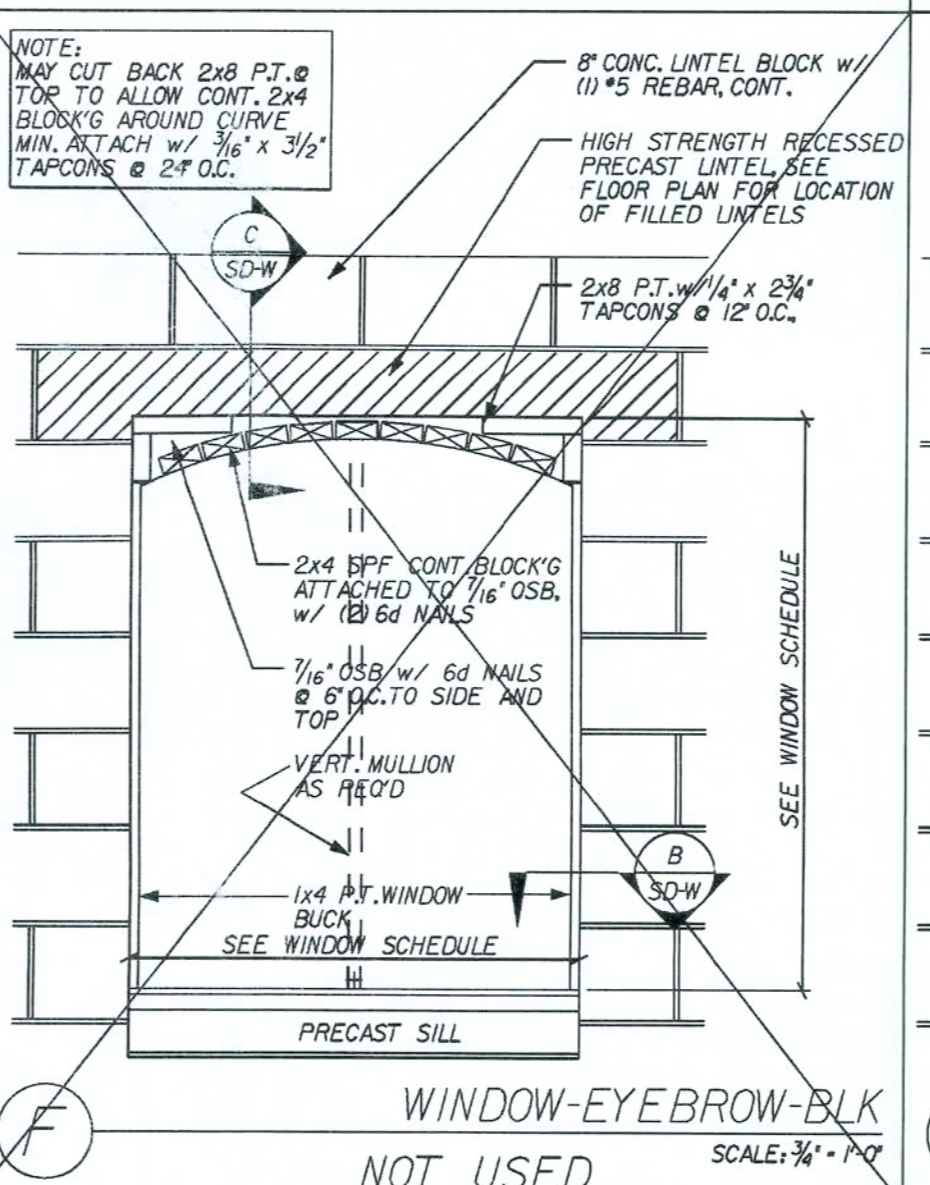
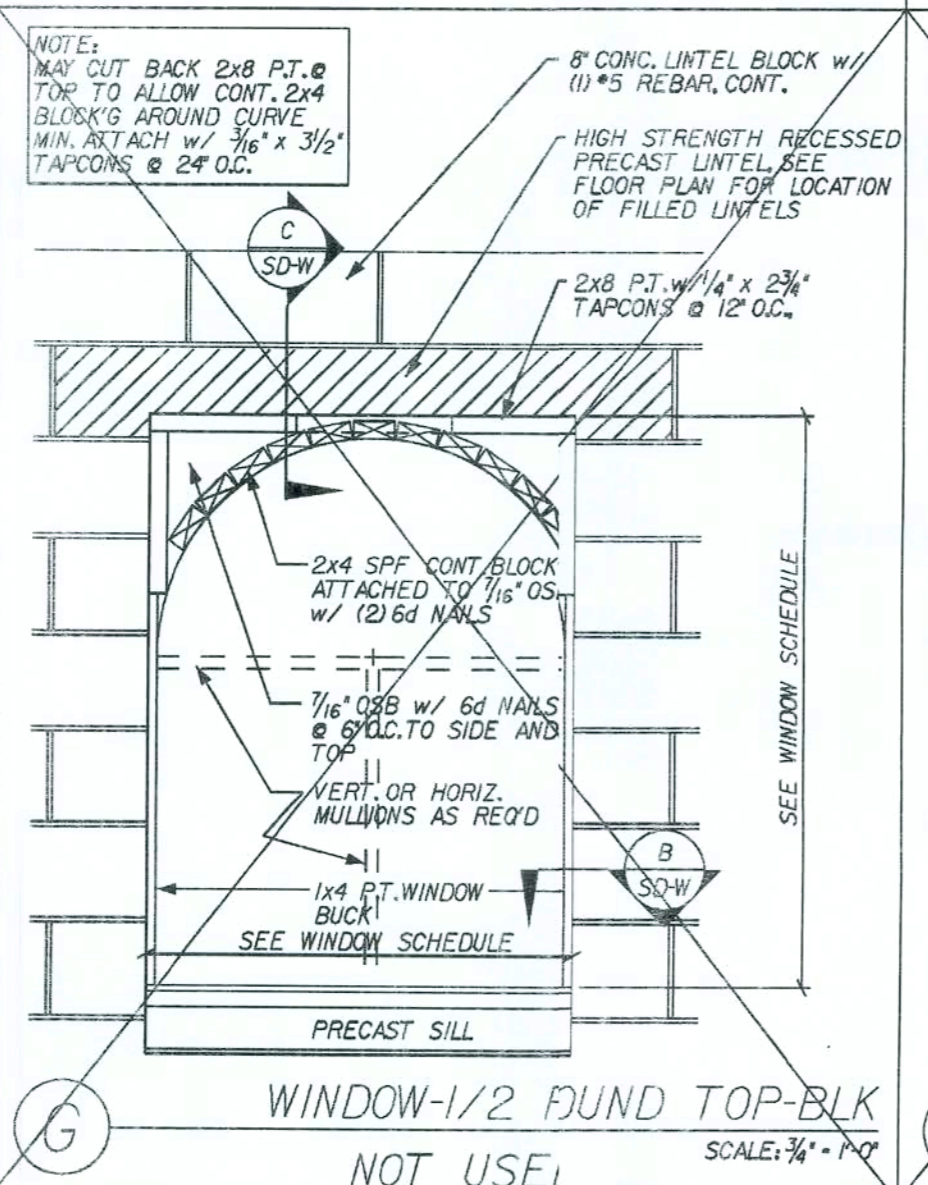
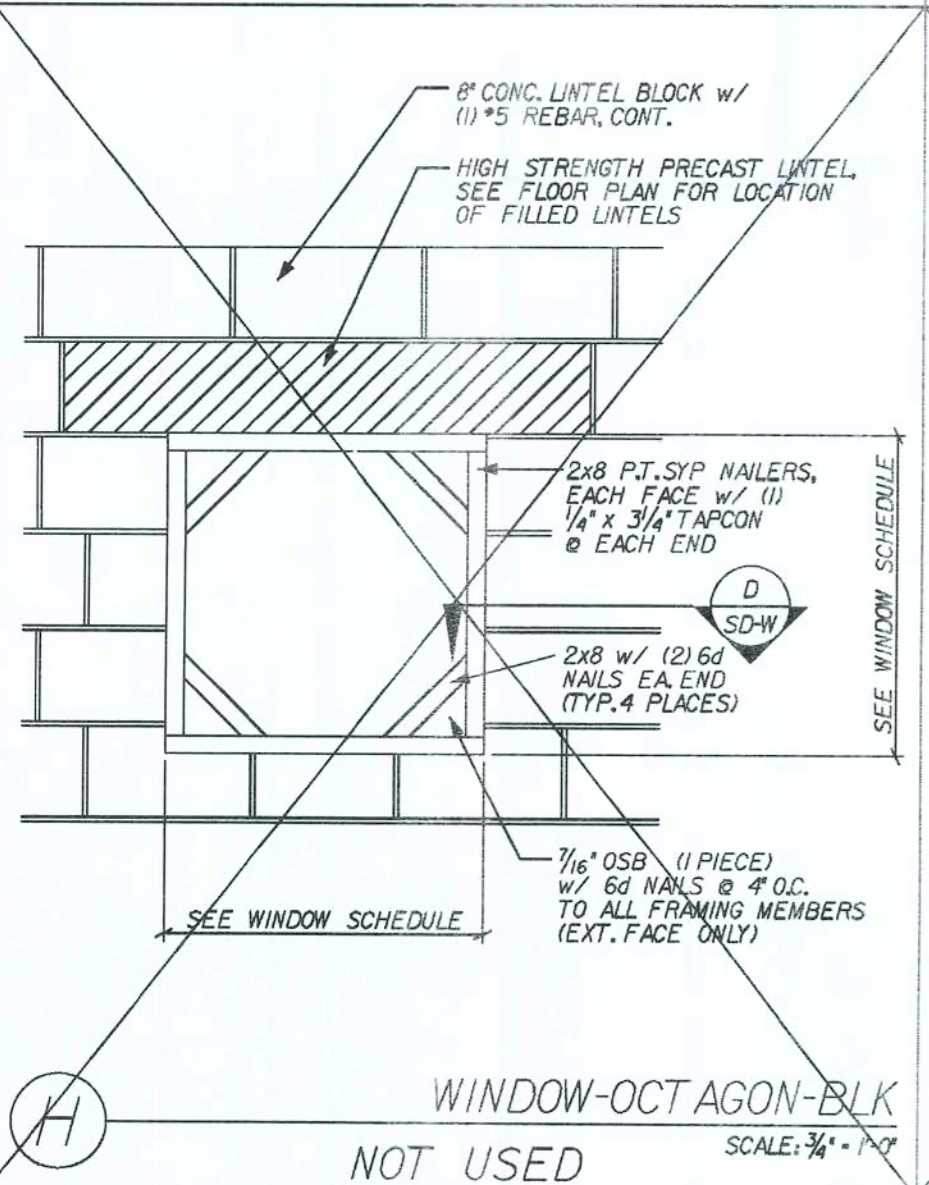
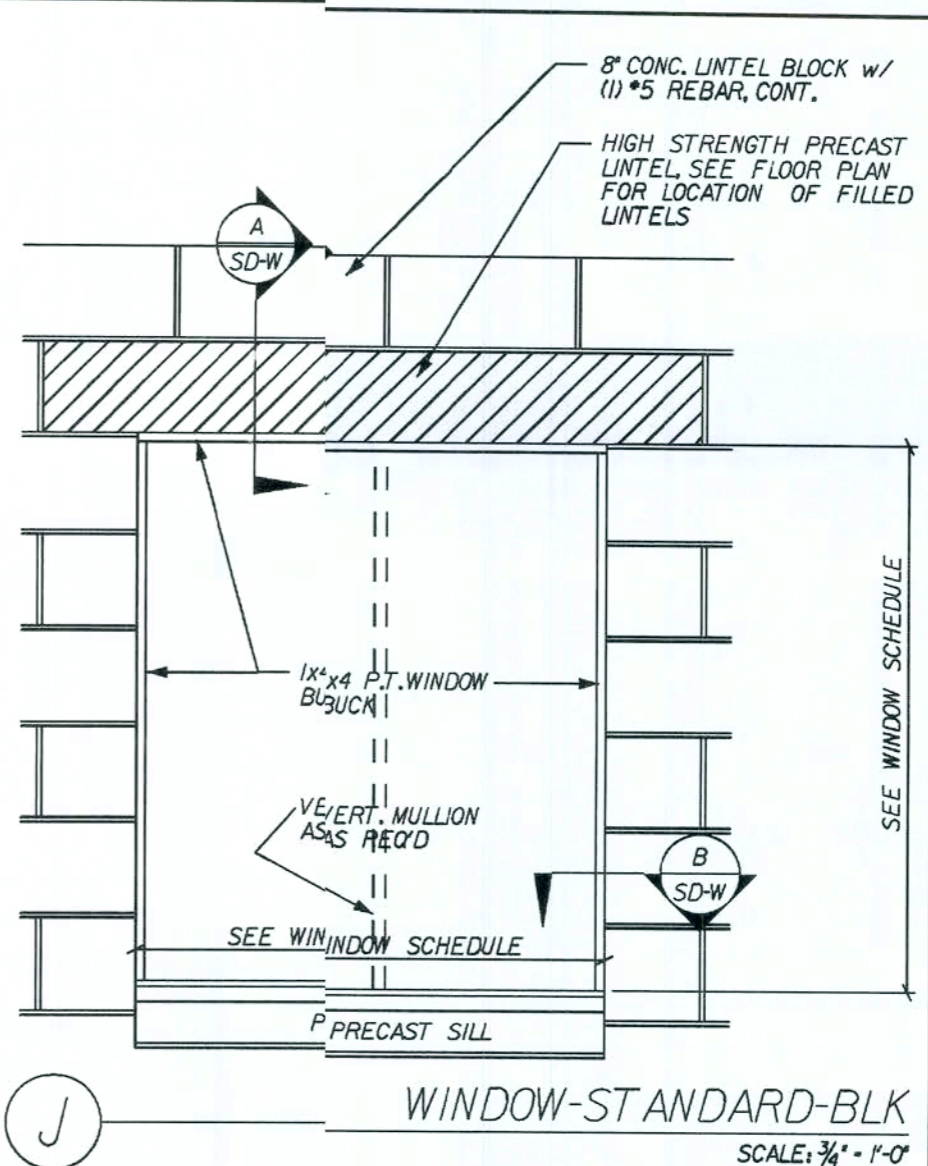
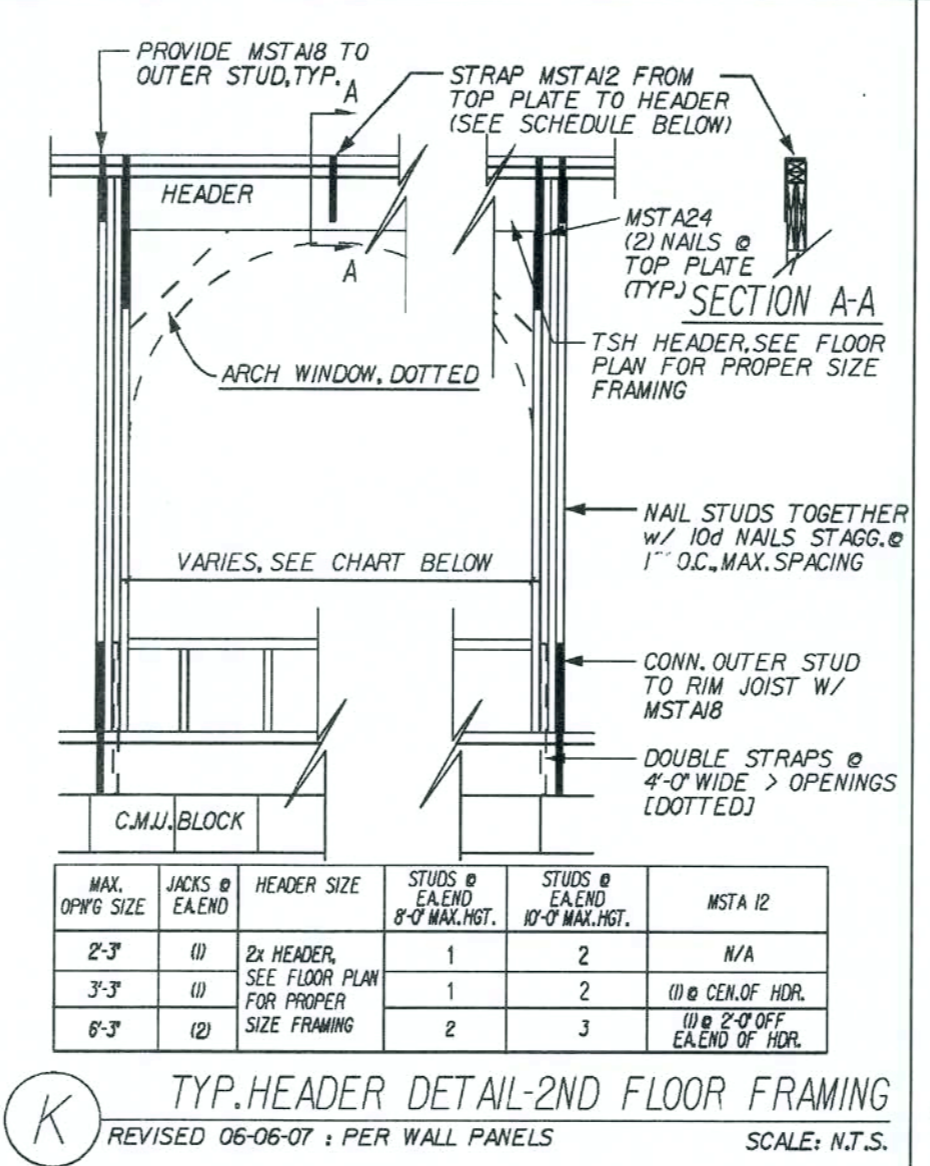
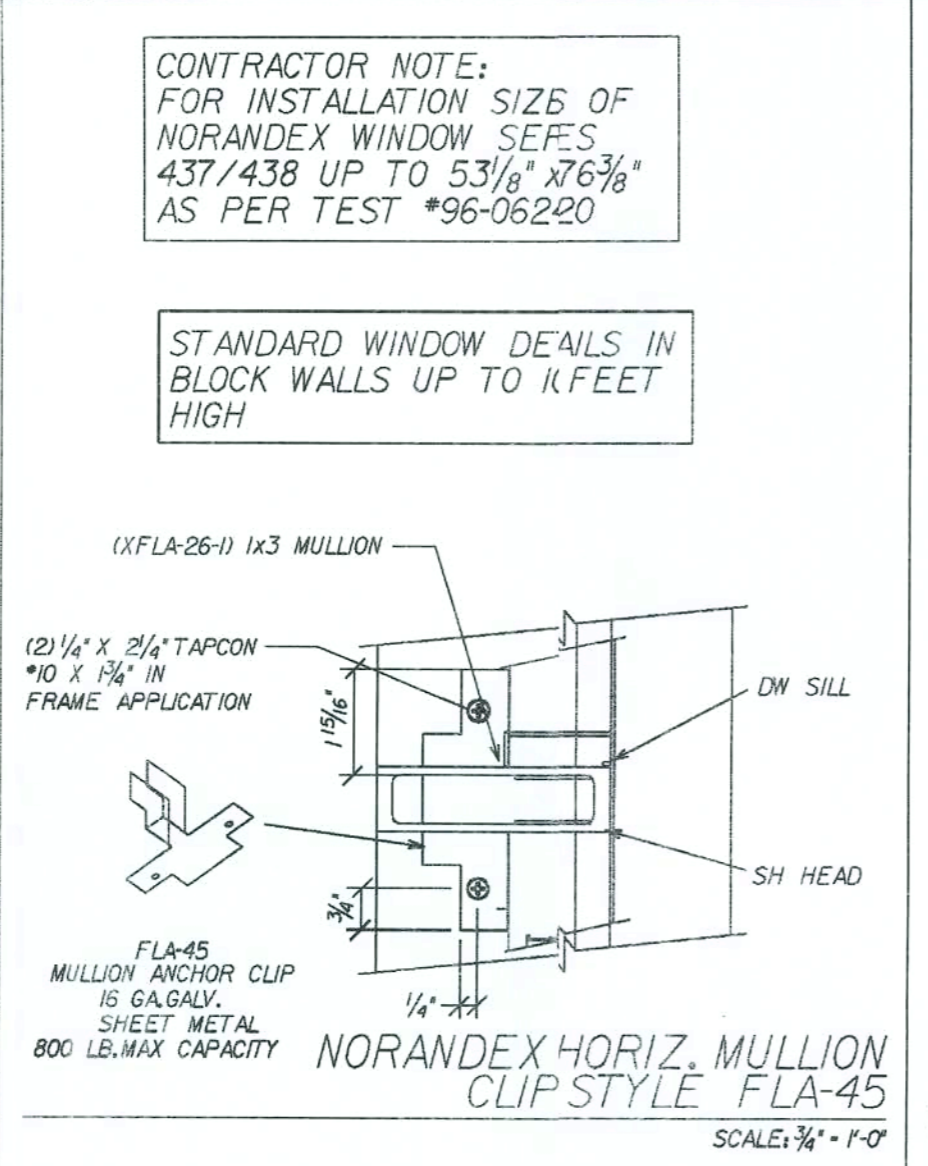
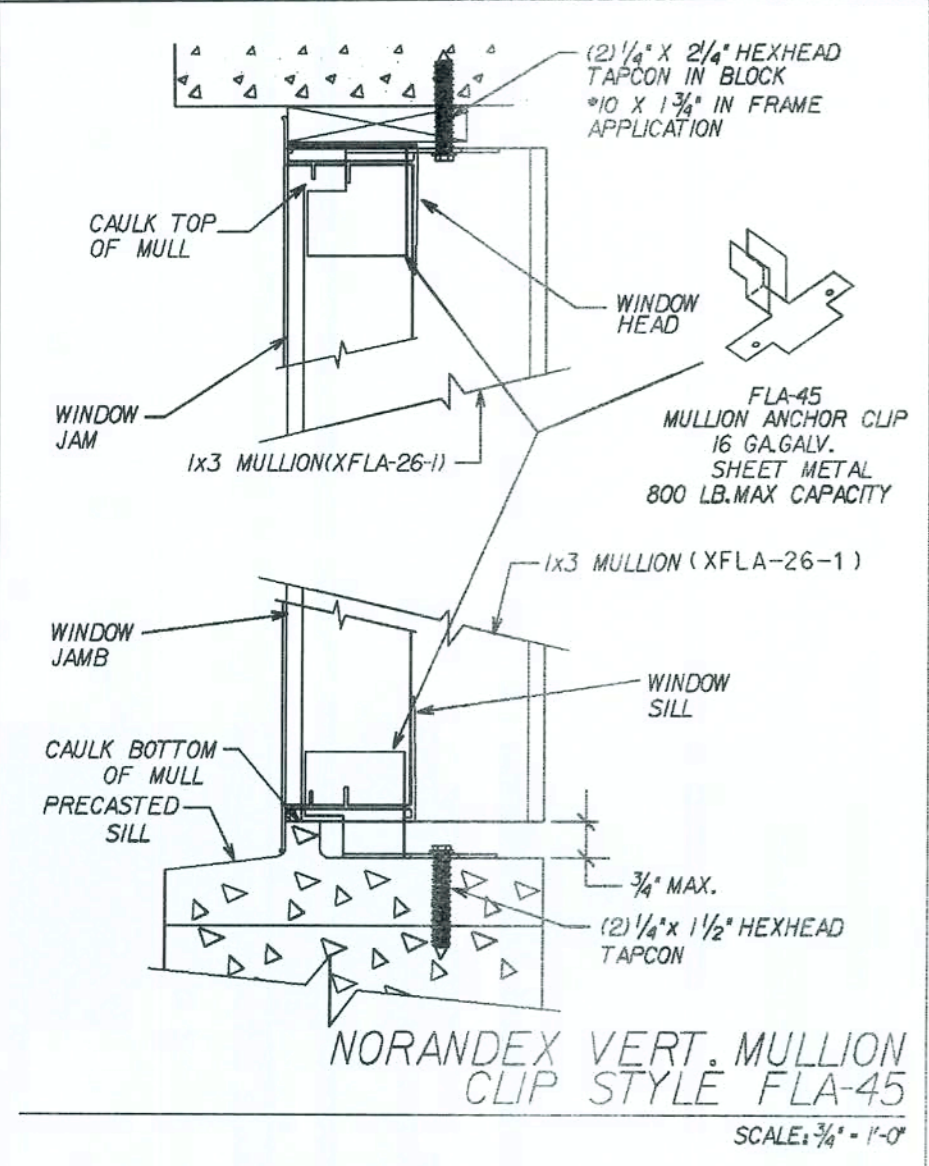
06-12-06	ADDED DOOR PAN DETAIL
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Maronda Homes
 4005 MARONDA WAY SANFORD, FLORIDA
 (407) 321-0064
 THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004 - RESIDENTIAL AND 2003 SUPPLEMENT

SUNBURY-NEWBERRY
 STANDARD DETAILS
 DOORS
 DRAWN BY: GARAGE:
 RELEASE DATE: 10-08-04
 11-5103

Maronda Systems
 4005 Maronda Way
 Sanford, FL 32771
 (407) 321-0064
 Tomas Ponce P.E.
 License No. 0050068
 August 28, 2008

SHEET:
SD-D
 PLOT DATE: 22 FEB 2008



REVISIONS:

Maronda Homes

FLORIDA

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

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE 2004: RESIDENTIAL AND 2005 SUPPLEMENT

FLORIDA

STANDARD DETAILS

SUNBURY-NEWBERRY

WINDOW HEAD-ARGI WINDOW-BLK

WINDOW HEAD-STANDARD-BLK

WINDOW JAMB-STANDARD-BLK

WINDOW JAMB-OCTAGON-BLK

WINDOW-COMBINATION-BLK

WINDOW-EYEBROW-BLK

WINDOW-1/2 ROUNDTOP-BLK

WINDOW-OCTAGON-BLK

WINDOW-STANDARD-BLK

TYP. HEADER DETAIL-2ND FLOOR FRAMING

NORANDEX HORIZ. MULLION CLIP STYLE FLA-45

NORANDEX VERT. MULLION CLIP STYLE FLA-45

DRAWN BY: GARAGE:

RELEASE DATE: 10-08-04

11/5/06

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

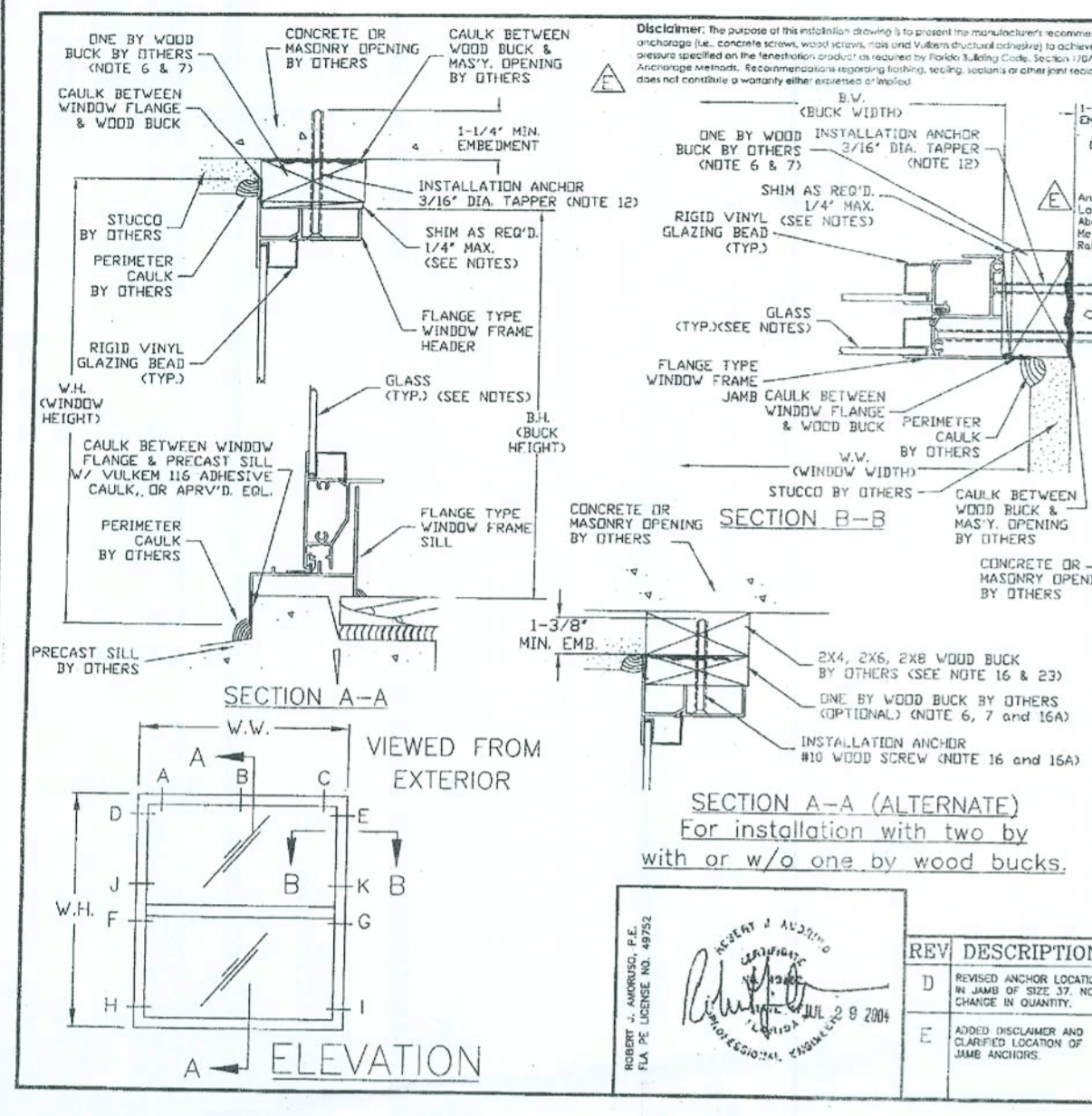
Tomas Ponce P.E.
License No. 0050068

August 28, 2008

SHEET: SD-W

PLANT DATE: 22 FEB 2008

FLORIDA BUILDING CODE 2004: RESIDENTIAL



IMPORTANT INFORMATION & GENERAL NOTES
 These notes are provided to ensure proper installation of Florida Extruders' products and must be followed fully.

GENERAL INSTALLATION INSTRUCTIONS

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

ANCHOR INSTALLATION INSTRUCTIONS

GENERAL:

- MIN. ATTACHMENT OF NON-STRUCTURAL ONE BY BUCK IS 4" FROM EACH CORNER AND 8" ON CENTER. USE A HARDENED "T-NAIL" WITH A 0.697" 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 3/8" DIAMETER COMMON WIRE NAIL WITH A 3/4" EMBEDMENT OR EQUIVALENT FOR LENS NON-STRUCTURAL ONE BY BUCK INTO A TWO BY STRUCTURAL BUCK.
- APPLIES TO ANON-STRUCTURAL BUCKS LESS THAN 1 1/2" THICKNESS. NOT INTENDED TO LIMIT TO NOMINAL ONE BY WOOD BUCK ONLY. BUCKS GREATER THAN 1" NOMINAL (3/4" THICK) AND LESS THAN 2" NOMINAL (1 1/2" THICK) WILL REQUIRE NAIL LENGTH SUITABLE TO MEET EMBEDMENT REQUIREMENTS OF NOTE 6.
- ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HA 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 COMMENTATION OF ANCHORS COMPATIBLE WITH THE PRESSURE-PRESERVATIVE TREATMENT PROCESS USED.
- ALL FIELD SUPPLIED HOLES IN THE FRAME (IF REQUIRED) WILL BE 3/16" IN DIAMETER.
- WOOD SCREWS SHALL MEET ANSI B18.6.1 DIMENSIONAL REQUIREMENTS.
- 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.

TAPPER LOCATION CHART

CALL SIZE	BUCK SIZE	LOCATIONS IN HEAD/LOCATIONS IN JAMB			
		30PSF TO 40PSF	41PSF TO 70PSF	71PSF TO 100PSF	101PSF TO 40PSF
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
17	18 1/8 x 83	B	B	F,G	F,G
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
1H45	25 1/2 x 55 1/4	B	B	F,G	F,G
1H5	25 1/2 x 62	B	B	F,G	F,G
1H6	25 1/2 x 71	B	B	F,G	F,G
1H7	25 1/2 x 83	B	B	F,G	F,G
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
30 1/2 x 58 1/4	29 1/2 x 55 1/4	B	B	F,G	F,G
30 1/2 x 63	29 1/2 x 62	B	B	F,G	F,G
30 1/2 x 72	29 1/2 x 71	B	B	F,G	F,G
30 1/2 x 84	29 1/2 x 83	B	B	F,G	F,G
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
245	36 x 55 1/4	B	B	F,G	F,G
25	36 x 62	B	B	F,G	F,G
26	36 x 71	B	B	F,G	F,G
27	36 x 83	B	B	F,G	F,G
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
42 x 50 5/8	41 x 49 5/8	B	B	F,G	F,G
42 x 58 1/4	41 x 55 1/4	B	B	F,G	F,G
42 x 63	41 x 62	B	B	F,G	F,G
42 x 72	41 x 71	B	B	F,G	F,G
42 x 84	41 x 83	B	B	F,G	F,G
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
48 x 50 5/8	47 x 49 5/8	B	A,C	F,G	F,G
48 x 58 1/4	47 x 55 1/4	B	A,C	F,G	F,G
48 x 63	47 x 62	B	A,C	F,G	F,G
48 x 72	47 x 71	B	A,C	F,G	F,G
48 x 84	47 x 83	B	A,C	F,G	F,G
32	52 1/8 x 33	B	A,C	F,G	F,G
33	52 1/8 x 45 3/8	B	A,C	F,G	F,G
34	52 1/8 x 57 5/8	B	A,C	F,G	F,G
345	52 1/8 x 63 1/4	B	A,C	F,G	F,G
35	52 1/8 x 70	B	A,C	F,G	F,G
36	52 1/8 x 71	B	A,C	F,G	F,G
37	52 1/8 x 83	B	A,C	F,G	F,G

* 37 SIZE NOT AVAILABLE IN 1000 OR 1500 SERIES.

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

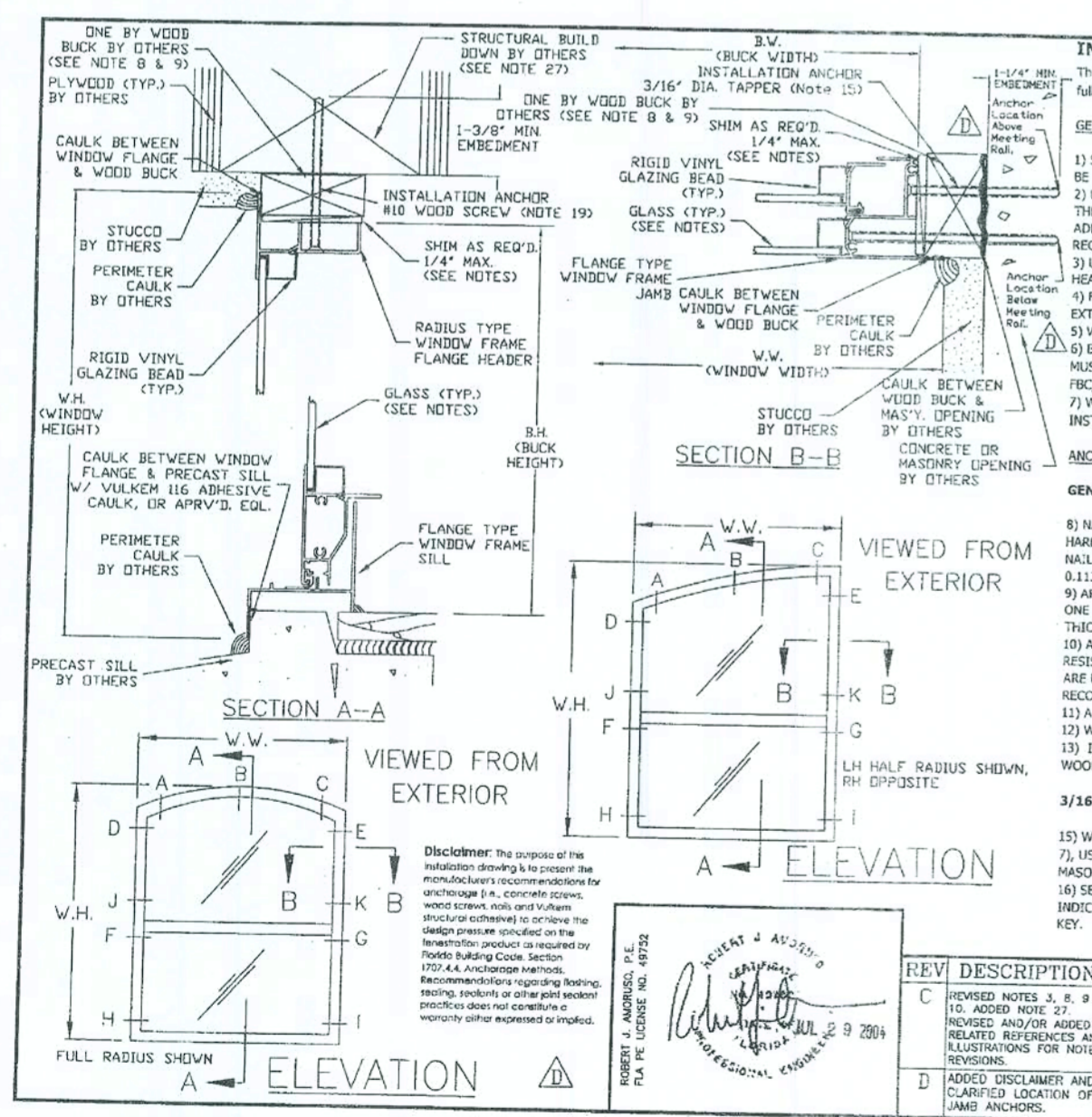
ANCHOR INSTALLATION INSTRUCTIONS (cont.)

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

- 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.
- SEE THIS SHEET FOR TAPPER CONCRETE SCREW 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.
- TAPPER (RAWL) CONCRETE SCREW MANUFACTURED BY POWERS FASTENING, INC. WILL BE USED. TAPCON (BY ELO TEXTRON INC.) OR TTEN (BY SIMPSON STRONG-TIE) CAN BE SUBSTITUTED WITH THE FOLLOWING LIMITATIONS FOR THE SINGLE HUNG WINDOW SIZES:
 - 18 1/8 x 62 AND (2) 30 1/2 x 84.
 - LIMIT TO 65 PSF, OR
 - INSTALL ONE ADDITIONAL FASTENER IN EACH JAMB OVER CHART REQUIREMENTS AT LOCATIONS H AND I.
- 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.

DESIGN PRESSURE RATING & FBC REQUIREMENTS

- 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.
- INSTALLATIONS DEPICTED IN THESE INSTRUCTIONS ACCEPTABLE FOR DESIGN PRESSURES (D.P.) SHOWN ARE POSITIVE AND NEGATIVE.
- GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
- 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.
- 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.



IMPORTANT INFORMATION & GENERAL NOTES
 These notes are provided to ensure proper installation of Florida Extruders' products and must be followed fully.

GENERAL INSTALLATION INSTRUCTIONS

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

ANCHOR INSTALLATION INSTRUCTIONS

GENERAL:

- MIN. ATTACHMENT OF NON-STRUCTURAL ONE BY BUCK IS 4" FROM EACH CORNER AND 8" ON CENTER. USE A HARDENED "T-NAIL" WITH A 0.697" 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.
- 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" NOMINAL (3/4" THICK) AND LESS THAN 2" NOMINAL (1 1/2" THICK) WILL REQUIRE NAIL LENGTH SUITABLE TO MEET EMBEDMENT REQUIREMENTS OF NOTE 6.
- ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPLIED SUITABLE FOR THE ENVIRONMENT AND/OR FRAMING MATERIAL. WHERE ANCHORS ARE USED IN PRESSURE-PRESERVATIVE TREATED WOOD, THE WOOD SUPPLIER SHALL BE CONSULTED FOR COMMENTATION OF ANCHORS COMPATIBLE WITH THE PRESSURE-PRESERVATIVE TREATMENT PROCESS USED.
- ALL FIELD SUPPLIED HOLES IN FRAME (IF REQUIRED) WILL BE 3/16" IN DIAMETER.
- WOOD SCREWS SHALL MEET ANSI B18.6.1 DIMENSIONAL REQUIREMENTS.
- 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.

ANCHOR LOCATION CHART (SEE NOTES BELOW)

CALL SIZE	BUCK SIZE	LOCATIONS IN HEAD/LOCATIONS IN JAMB			
		30PSF TO 40PSF	41PSF TO 70PSF	71PSF TO 100PSF	101PSF TO 40PSF
12	18 1/8 x 25 5/16	A,C	A,C	F,G	F,G
13	18 1/8 x 30 11/16	A,C	A,C	F,G	F,G
14	18 1/8 x 45 5/16	A,C	A,C	F,G	F,G
145	18 1/8 x 57 1/32	A,C	A,C	F,G	F,G
15	18 1/8 x 64 5/16	A,C	A,C	F,G	F,G
16	18 1/8 x 73 5/16	A,C	A,C	F,G	F,G
1H2	25 1/2 x 28 9/16	A,C	A,C	F,G	F,G
1H3	25 1/2 x 41 1/16	A,C	A,C	F,G	F,G
1H4	25 1/2 x 53 1/16	A,C	A,C	F,G	F,G
1H45	25 1/2 x 58 13/16	A,C	A,C	F,G	F,G
1H5	25 1/2 x 65 9/16	A,C	A,C	F,G	F,G
1H6	25 1/2 x 74 5/16	A,C	A,C	F,G	F,G
30 1/2 x 30 7/32	29 1/2 x 29 1/32	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
30 1/2 x 60 15/32	29 1/2 x 59 15/32	A,C	A,C	F,G	F,G
30 1/2 x 67 7/32	29 1/2 x 66 7/32	A,C	A,C	F,G	F,G
30 1/2 x 76 7/32	29 1/2 x 75 7/32	A,C	A,C	F,G	F,G
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
24	36 x 54 15/16	A,B,C	A,B,C	F,G	F,G
245	36 x 60 9/16	A,B,C	A,B,C	F,G	F,G
25	36 x 67 5/16	A,B,C	A,B,C	F,G	F,G
26	36 x 75 9/16	A,B,C	A,B,C	F,G	F,G
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
42 x 56 25/32	41 x 55 25/32	A,B,C	A,B,C	F,G	F,G
42 x 68 3/2	41 x 67 3/2	A,B,C	A,B,C	F,G	F,G
42 x 80 5/32	41 x 79 5/32	A,B,C	A,B,C	F,G	F,G
42 x 92 1/32	41 x 91 1/32	A,B,C	A,B,C	F,G	F,G
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
48 x 57 25/32	47 x 56 25/32	A,B,C	A,B,C	F,G	F,G
48 x 69 3/8	47 x 68 3/8	A,B,C	A,B,C	F,G	F,G
48 x 70 5/32	47 x 69 5/32	A,B,C	A,B,C	F,G	F,G
48 x 79 5/32	47 x 78 5/32	A,B,C	A,B,C	F,G	F,G
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
34	52 1/8 x 57 5/8	A,B,C	A,B,C	F,G	F,G
345	52 1/8 x 63 1/4	A,B,C	A,B,C	F,G	F,G
35	52 1/8 x 70	A,B,C	A,B,C	F,G	F,G
36	52 1/8 x 71	A,B,C	A,B,C	F,G	F,G

ANCHOR LOCATION CHART NOTES:

- Locations in HEAD for #10 Wood Screws into structural "two by" wood buck or "one by" wood buck/structural build-down.
- Locations in JAMB for 3/16" TAPPER Concrete Screws into non-structural buck & concrete or masonry.
- Locations in JAMB for #10 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:
 - One additional anchor required in each jamb at locations "H" and "I".
 - One additional anchor required in each jamb at locations "J" and "K".
 - One additional anchor required in each jamb at locations "L" and "M".
- 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.):

- TAPPER (RAWL) CONCRETE SCREW MANUFACTURED BY POWERS FASTENING, INC. WILL BE USED. TAPCON (BY ELO TEXTRON INC.) OR TTEN (BY SIMPSON STRONG-TIE) CAN BE SUBSTITUTED WITH THE FOLLOWING LIMITATIONS FOR THE SINGLE HUNG WINDOW CALL SIZE IS:
 - LIMIT TO 65 PSF, OR
 - INSTALL ONE ADDITIONAL FASTENER IN EACH JAMB OVER CHART REQUIREMENTS AT LOCATIONS H AND I.
- 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.

DESIGN PRESSURE RATING & FBC REQUIREMENTS

- 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.
- 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.
- GLASS THICKNESS MAY VARY PER THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS.
- 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.
- STRUCTURAL BUILD-DOWN AT THE HEAD TO BE DESIGN TO TRANSFER THE LOAD TO THE MASONRY, CONCRETE OR OTHER STRUCTURAL SUBSTRATE PER FBC, SECTION 1707.4.4.2 OR TO THE WOOD OR APPROVED FRAMING MEMBERS PER FBC, SECTION 1707.4.4.3 AND THE ENGINEER OF RECORD'S DETAILS.

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

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

1) SHIPPING:

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

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

- a. GENERAL - SEALANT TYPE (not applicable when a specific brand or type is required)
 - 1. Sealant type shall be chosen based on the sealed manufacturer's recommendation as it relates to materials to be sealed, environmental conditions and intended use.
- b. WINDOWS - FLANGE FRAME
 - 1. Adhesive Seal - REQUIRED
 - a. Use Vulkem 116 adhesive sealant or approved equal between window's integral mounting fin and pre-cast concrete sill (or other sub construction) along full length of sill.
 - b. Application of Vulkem 116 adhesive sealant or approved equal must comply with sealant manufacturer's recommendations.
 - 2. Sealant - RECOMMENDED (See Disclaimer)
 - a. Use sealant behind window flange at head and jamb.
 - b. Use sealant for perimeter seal around exterior of flange window mounting fin and to seal heads of installation fasteners.
- c. WINDOWS - FIN FRAME
 - 1. Adhesive Seal - NOT REQUIRED
 - 2. Sealant - RECOMMENDED (See Disclaimer)
 - a. Use sealant behind window flange at head, sill and jamb.
 - b. Use sealant for perimeter seal around exterior of flange window mounting fin and to seal heads of installation fasteners.
- d. SLIDING GLASS DOORS
 - 1. Adhesive Seal - NOT REQUIRED
 - 2. Mechanically Fastened Carriers - REQUIRED
 - a. Sliding Glass Doors received in "Knocked Down" condition shall have jamb and sill corners sealed with a small joint sealant.
 - 3. Sealant - RECOMMENDED (See Disclaimer)
 - a. Use sealant behind door flange at head & jamb and behind load stud
 - b. Use sealant for perimeter seal around exterior or door and screen track strip & back for pocket doors and to seal heads of installation fasteners

3) MATERIALS:

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

4) BUCKING:

- a. One by (1x) wood bucking
 - 1. Applies to all non-structural bucks less than 1 1/2" thickness. Not intended to nominal one by wood buck only.
 - 2. One by wood bucking shall be secured to the substrate (i.e. masonry, concrete or structural wood bucking or framing using fasteners suitable for the application) in accordance with the product specific installation drawing (see product fastening requirements for the bucking, they shall be followed).
 - 3. If the product specific installation drawing does not prescribe fastening requirements for the bucking, fastening must only be sufficient to maintain position of the bucking during window installation.
 - a. Installer, builder or design professional of record may specify method to secure one by wood bucking to substrate to facilitate window installation.
- b. Two by (2x) wood bucking or framing:
 - 1. Applies to all structural wood bucks and/or framing at the head, jamb or sill equal to and greater than 1 1/2" thickness.
 - 2. They shall be securely fastened to transfer the load to the masonry, concrete or other structural substrate per 2001 FBC, Section 1707.4.4, 2004 FBC Building, Section 1717.5.4 and 2004 FBC-Residential, Section R613.6 and/or the engineer of record's details as applicable.

5) General Fastener Installation Instructions:

- 1. All installation fasteners must be made of corrosion resistant materials or have a corrosion resistant coating applied suitable for the environment and/or framing material. Where fasteners are used in pressure-preservative treated wood, the wood supplier shall be consulted for recommendation of fasteners compatible with the pressure-preservative treatment process used.
- 2. All fields supplied holes in the frame (if required) will be as follows:
 - a. 5/32" diameter for all #6 wood or tapping screws.
 - b. 3/16" in diameter for all #10 wood or tapping screws and 3/16" diameter concrete screws.
 - c. No. 29 size drill bit for 0.131" shank diameter nails.
 - d. No. 33 size drill bit for 0.113" shank diameter nails.
- 3. Concrete Screws (For attachment to masonry or concrete substrate):
 - a. Shall be "Flat" head unless otherwise indicated.
 - b. Shall have a minimum nominal diameter of 3/16" unless otherwise noted.
 - c. Shall have a minimum embedment of 1 1/4" into the concrete, masonry or concrete block or masonry unit (CMU) receiving the point unless otherwise noted.
 - d. Shall have an allowable working load in shear as noted on the "Parts List" on the product specific installation drawing.
 - 1. Working load is defined as the ultimate load determined by test divided by a safety factor as determined and published by the concrete screw manufacturer.
 - 2. If the allowable shear load exceeds the above minimum, the required number of fasteners shown on the installation drawings CANNOT be decreased.
 - 3. If the allowable shear load is less than the above minimum, the add-on site engineering analysis meeting the building code and acceptable to the Authority Having Jurisdiction (AHJ) will be required.
 - e. Concrete screws shall be of sufficient length so that the maximum embedment into the receiving substrate (member receiving the point) is met.
 - 1. Minimum Edge Distance of concrete screw fasteners shall be 2" from the edge of the substrate for a 3/16" diameter concrete screw.

DISCLAIMER

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

NOTE ON PE SEALING

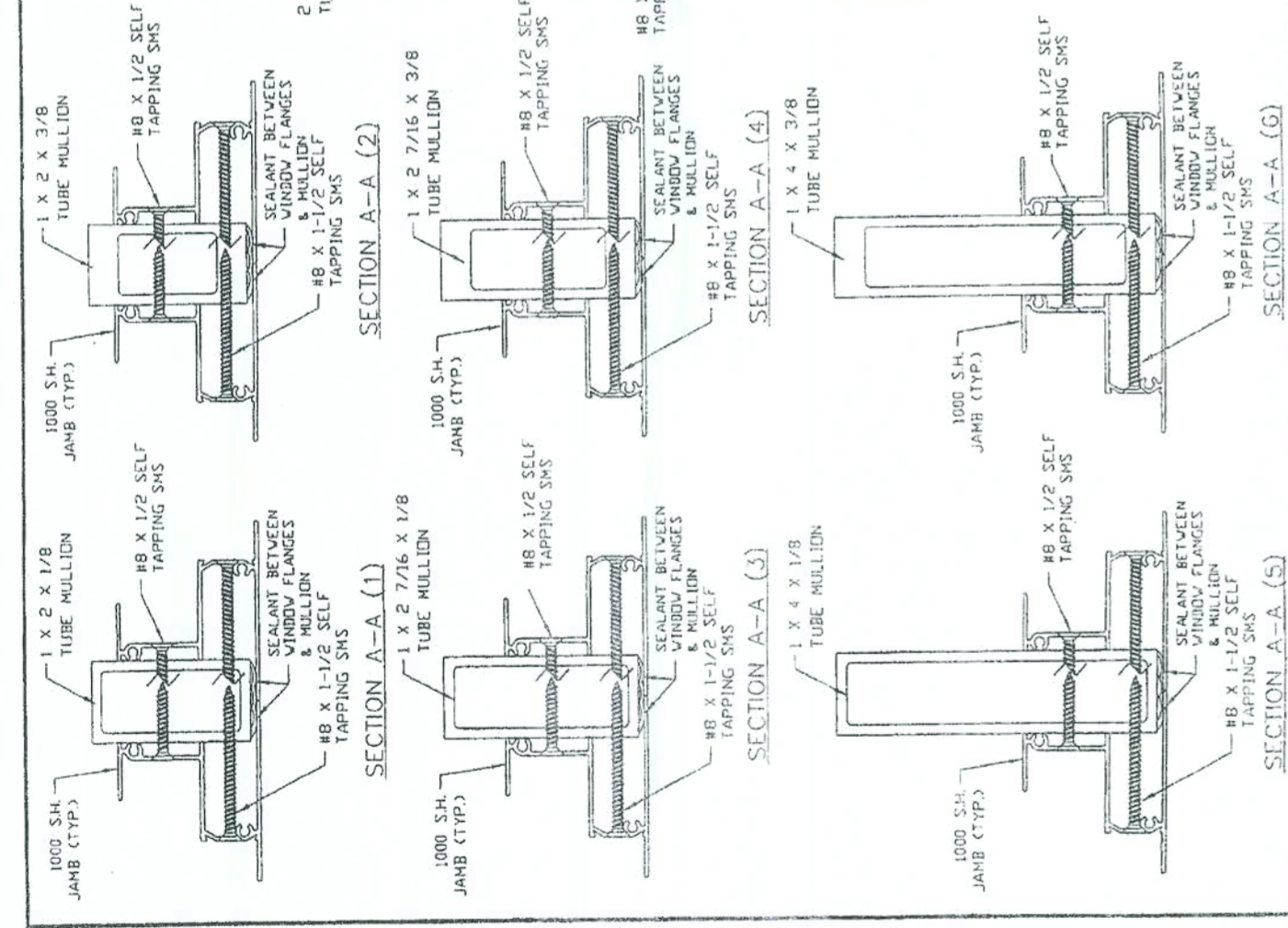
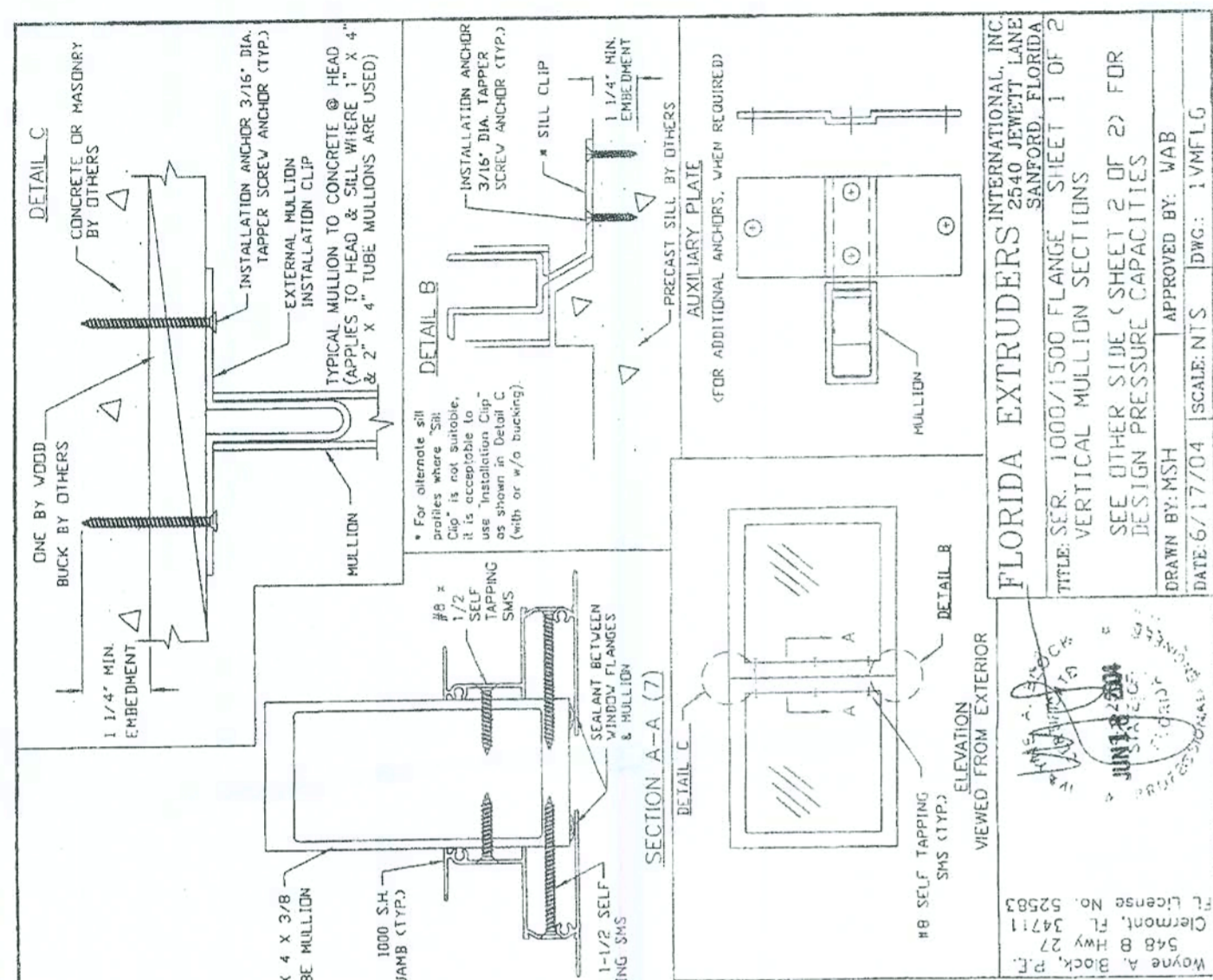
Original drawings with two sheets (pages) are reproduced on one sheet front and back. When reproduced this way, they are sealed on the first (front) sheet only. In response to Robert Amoroso's inquiry to the Florida Board of Professional Engineers, the FBPE at their meeting on June 20, 2002 responded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

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

REVISIONS:
No. | Date | Description
1 | 3/25/07 | RJA | Original Issue
2 | 6/13/07 | RJA | Edits for 2007 Florida Building Code
3 | 11/14/08 | RJA | Revised Notes 2, 4, 6, 9, 11, 12, 13, 15, 16, 17
Scale: NTS
Drawn By: RJA
Checked By: JH

Robert J. Amoroso, P.E.
FL License No. 49752
STATE OF FLORIDA
Professional Engineer
Drawing No. FLEX20100
Sheet 1 of 2



FASTENER LOCATION TABLE (see Elevation View, Sheet 1)

Series	Size Code	Frame Width and Height		Fastener Screw Location	
		Width	Height (Full Radius)	Head (No. 10 WS)	Jambs (No. 10 WS or Concrete Screw)
1000/1500/2000	12	19 1/8	26 13/16	28 5/16	A, B, C
1000/1500/2000	12	19 1/8	39 3/16	40 11/16	A, B, C
1000/1500/2000	14	19 1/8	51 7/16	52 5/16	A, B, C
1000/1500/2000	14	19 1/8	57 1/16	58 9/16	A, B, C
1000/1500/2000	14	19 1/8	63 13/16	65 5/16	A, B, C
1000/1500/2000	16	19 1/8	72 13/16	74 5/16	A, B, C
1000/1500	17	19 1/8	84	84	A, B, C
2000	17	19 1/8	90	88 5/16	A, B, C
1000/1500/2000	11H	26 1/2	27 7/16	29 9/16	A, B, C
1000/1500/2000	11H	26 1/2	39 13/16	41 5/16	A, B, C
1000/1500/2000	11H	26 1/2	52 1/16	54 3/16	A, B, C
1000/1500/2000	11H	26 1/2	57 1/16	59 13/16	A, B, C
1000/1500/2000	11H	26 1/2	64 7/16	66 9/16	A, B, C
1000/1500/2000	11H	26 1/2	73 7/16	75 9/16	A, B, C
1000/1500	11H	26 1/2	84	84	A, B, C
2000	11H	26 1/2	90	87 9/16	A, B, C
1000/1500/2000	31H	30 1/2	27 7/16	30 11/16	A, B, C
1000/1500/2000	31H	30 1/2	40 13/16	42 29/64	A, B, C
1000/1500/2000	31H	30 1/2	52 37/64	54 41/64	A, B, C
1000/1500/2000	31H	30 1/2	58 1/8	60 23/64	A, B, C
1000/1500/2000	31H	30 1/2	64 7/16	67 11/64	A, B, C
1000/1500/2000	31H	30 1/2	73 73/64	76 11/64	A, B, C
1000/1500/2000	31H	30 1/2	84 1/8	84 1/8	A, B, C
2000	31H	30 1/2	90 1/8	89 47/64	A, B, C
1000/1500/2000	23	37	28 5/16	31 5/16	A, B, C
1000/1500/2000	23	37	40 11/16	43 11/16	A, B, C
1000/1500/2000	24	37	52 15/16	55 15/16	A, B, C
1000/1500/2000	24	37	58 9/16	61 9/16	A, B, C
1000/1500/2000	25	37	65 5/16	68 5/16	A, B, C
1000/1500/2000	26	37	74 5/16	77 5/16	A, B, C
1000/1500	27	37	84	84	A, B, C
2000	27	37	90	89 5/16	A, B, C
1000/1500/2000	42	48	29 7/32	33 7/48	A, B, C
1000/1500/2000	42	48	41 19/32	45 25/48	A, B, C
1000/1500/2000	42	48	53 27/32	57 37/48	A, B, C
1000/1500/2000	42	48	59 15/32	63 19/48	A, B, C
1000/1500/2000	42	48	66 7/32	70 7/48	A, B, C
1000/1500/2000	42	48	76 7/32	79 7/48	A, B, C
1000/1500	42	48	84	84 11/24	A, B, C
2000	42	48	90	90 11/24	A, B, C
1000/1500/2000	33	53 1/8	29 21/32	34	A, B, C
1000/1500/2000	33	53 1/8	42 1/32	46 3/8	A, B, C
1000/1500/2000	34	53 1/8	54 9/32	58 5/8	A, B, C
1000/1500/2000	34	53 1/8	59 29/32	64 1/4	A, B, C
1000/1500/2000	35	53 1/8	66 21/32	71	A, B, C
1000/1500	na	na	na	na	A, B, C
2000	37	53 1/8	90	90	A, B, C

FASTENER INSTALLATION INSTRUCTIONS - FLEX22110

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

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

- (1) At the jambs, use a 3/16" diameter concrete screw of sufficient length to achieve minimum embedment of 1-1/4" into masonry or concrete. See "Parts List" on Sheet 1 of this drawing for concrete screw size, embedment and load requirements. See FLEX20100, Note 7 for additional concrete screw requirements.
- (2) At the sill, apply a Structural Adhesive Sealant for the full length of the Sill meeting the requirements of Note 2.b.i) on FLEX 20100.

(J) See fastener installation table on this sheet for concrete screw locations in jambs and additional installation requirements.

#10 WOOD SCREW WITH (1) STRUCTURAL BUILD-DOWN FOR RADIUS HEAD, (2) OPTIONAL STRUCTURAL TWO BY WOOD BUCK AND (3) OPTIONAL ONE BY WOOD BUCK AT HEAD AND/OR JAMBS (SECTION A-A ALTERNATE ILLUSTRATES THIS OPTION FOR HEAD, SIMILAR FOR SECTION B-B AT JAMBS):

(K) Where window is installed in an opening with a (1) structural build-down for radius head, (2) optional structural two by wood buck and (3) optional one by wood buck at head and/or jambs, installation is as follows:

- (1) For structural build-down at the head and/or two by wood buck at the head and/or jambs as applicable, use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck and/or structural build-down. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
- (2) For one by wood buck used in conjunction with a structural two by wood buck at the head and/or jambs as applicable use #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck. See "Parts List" on Sheet 1 of this drawing for wood screw size and embedment. See FLEX20100, Note 8 for additional wood screw requirements.
- (3) At the sill, apply a Structural Adhesive Sealant for the full length of the Sill meeting the requirements of Note 2.b.i) on FLEX 20100.

(L) If a two by and one by wood buck are used together (see Section A-A Alternate, similar for Section B-B), then #10 wood screws of sufficient length to achieve 1-3/8" min. embedment into the two by wood buck will be used and the one by wood buck will be secured to the two by wood buck as required in Note 4.a.ii.2) on Drawing FLEX20100.

(M) #10 wood screws shall be installed at all factory applied installation fastener hole locations where applicable.

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

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

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

FASTENER LOCATION TABLE NOTES:

- 1. This chart and Notes I, J, K, L, M and N for use when Radius Head Flange Window is installed in opening with the following attributes:
 - a. Wood Structural Build-Down at Head, and
 - b. Masonry/Concrete Substrate and One-By Wood Buck at Jambs.
- 2. Install Radius Head Flange Window using #10 Wood Screws with a 1-3/8" minimum embedment into the structural wood substrate in accordance with Notes K to N in or an opening with the following attributes:
 - a. Wood Structural Build-Down at Head,
 - b. Optional Structural Two By Buck is installed at the head or jambs, and
 - c. Optional One By Wood Buck is installed at the head or jambs.
- 3. See Note 8 regarding structural framing requirements.
- 4. See Sheet 1 for Fastener Location Diagrams.
- 5. Fasteners Y & Z applicable to Series 2000 Size 37 Only. 3/16" Hole must be drilled in field.

Drawing No. FLEX22110
Sheet 2 of 2

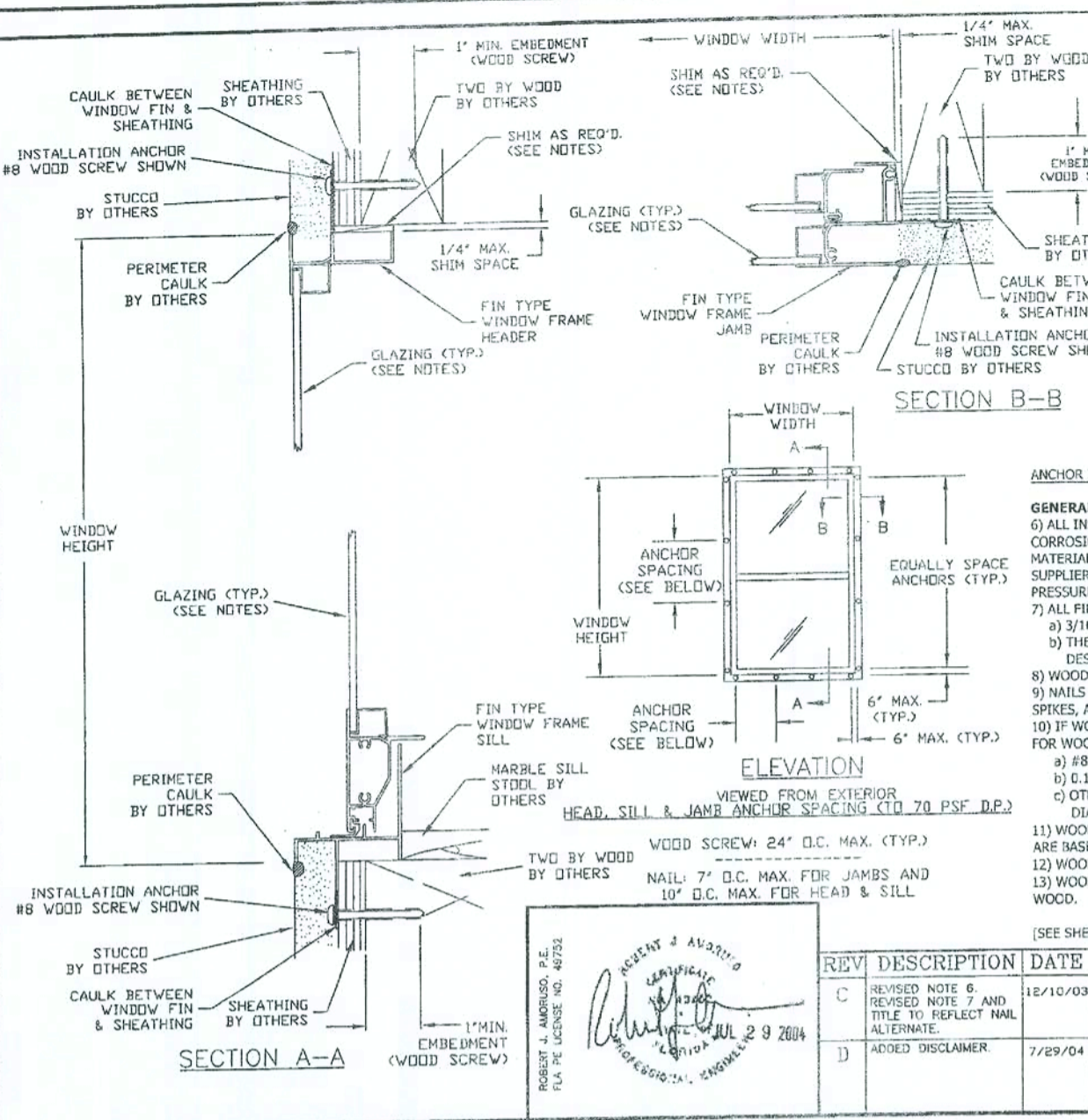
FLORIDA EXTRUDERS
WINDOWS IN BLOCK

RELEASE DATE:

3 of 3

DRAWING NO. FLEX22110
SHEET 2 OF 2

MARONDA HOMES
4005 MARONDA WAY SANFORD, FLORIDA 32759
407.321.0064



IMPORTANT INFORMATION & GENERAL NOTES
 These notes are provided to ensure proper installation of Florida Extruders Milstone products and must be followed fully.

GENERAL INSTALLATION INSTRUCTIONS

- SHIM AS REQ'D. EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE 9" STACK TO BE 1/4". APPLY A BEAD OF VULKEM 116 ADHESIVE CAULK APPROVED EQUAL AT THE FASTENER LOCATION PRIOR TO INSERTING THE SHIM TO ADHERE THE SHIM TO THE SUBSTRATE AND/OR WINDOW FRAME. FIN BEARING BETWEEN THE SHIM, SUBSTRATE AND WINDOW FRAME ARE REQUIRED.
- USE SILICONEZACRYLIC CAULK BEHIND WINDOW FIN AT HEAD, SILL & JAMBS.
- USE SILICONEZACRYLIC CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FRAME.
- FLORIDA EXTRUDERS 1000 SERIES SINGLE HUNG IS SHOWN. THIS PRINT ALSO APPLIES TO THE FLORIDA EXTRUDERS 1500 AND 2000 SERIES SINGLE HUNG.
- WINDOW FRAME MATERIAL: ALUMINUM ALLOY 5063.

ANCHOR INSTALLATION INSTRUCTIONS

GENERAL:

- ALL INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPROPRIATE 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.
- ALL FIELD SUPPLIED HOLES IN THE FRAME (IF REQUIRED) WILL BE:
 - 3/16" IN DIAMETER FOR #8 WOODSCREWS, AND
 - THE SHANK DIAMETER OF THE NAIL ROUNDED UP TO THE NEXT STANDARD DESIGNATION DRILL BIT SIZE.
- WOOD SCREWS SHALL MEET ANSI (S.I. DIMENSIONAL REQUIREMENTS).
- NAILS SHALL MEET ASTM F 1667, STANDARD SPECIFICATION FOR DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES.
- IF WOOD TENDS TO SPLIT, PRE-DRILL HOLE AS FOLLOWS (PER NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION REQUIREMENTS):
 - #8 WOOD SCREWS - 1/8" DIA. PILOT HOLE
 - 6.113" DIA. NAILS - 3/4" DIA. DRILL BIT PILOT HOLE
 - OTHER NAIL DIAMETER PILOTS NOT EXCEEDING 75% OF THE NAIL'S DIAMETER AS REQUIRED.
- WOOD SCREW AND NAIL WITHDRAWAL VALUES USED TO GENERATE FASTENING REQUIREMENTS ARE BASED ON SOUTHERN PINE WITH A SPECIFIC GRAVITY OF 0.55.
- WOOD SCREWS AND NAILS SHALL NOT BE MIXED TO FASTEN THE SAME ASSEMBLY.
- WOOD SCREWS AND NAILS SHALL BE USED TO FASTEN ASSEMBLY INTO THE END GRAIN OF WOOD.

(SEE SHEET 2 FOR CONTINUATION NOTES)

REVISED NOTE 6
 REVISED NOTE 7 AND TITLE TO REFLECT NAIL ALTERNATE.
 DATE: 7/29/04
 DRAWN BY: JB
 APPROVED BY: RJA

CALL SIZE	WINDOW SIZE	QUANTITY IN HEAD & SILL		QUANTITY IN EACH JAMB	
		UP TO 70 PSF	UP TO 70 PSF	UP TO 70 PSF	UP TO 70 PSF
2024	23 1/2 x 27 1/2	2	2	2	2
2030	23 1/2 x 35 1/2	2	2	2	2
2036	23 1/2 x 43 1/2	2	2	2	2
2040	23 1/2 x 47 1/2	2	2	2	2
2044	23 1/2 x 51 1/2	2	2	2	2
2050	23 1/2 x 59 1/2	2	2	2	2
2070	23 1/2 x 71 1/2	2	2	2	2
2424	27 1/2 x 27 1/2	2	2	2	2
2430	27 1/2 x 35 1/2	2	2	2	2
2436	27 1/2 x 43 1/2	2	2	2	2
2440	27 1/2 x 47 1/2	2	2	2	2
2444	27 1/2 x 51 1/2	2	2	2	2
2450	27 1/2 x 59 1/2	2	2	2	2
2470	27 1/2 x 71 1/2	2	2	2	2
2824	31 1/2 x 27 1/2	2	2	2	2
2830	31 1/2 x 35 1/2	2	2	2	2
2836	31 1/2 x 43 1/2	2	2	2	2
2840	31 1/2 x 47 1/2	2	2	2	2
2844	31 1/2 x 51 1/2	2	2	2	2
2850	31 1/2 x 59 1/2	2	2	2	2
2860	31 1/2 x 71 1/2	2	2	2	2
2870	31 1/2 x 83 1/2	2	2	2	2
3024	35 1/2 x 27 1/2	2	2	2	2
3030	35 1/2 x 35 1/2	2	2	2	2
3036	35 1/2 x 43 1/2	2	2	2	2
3040	35 1/2 x 47 1/2	2	2	2	2
3044	35 1/2 x 51 1/2	2	2	2	2
3050	35 1/2 x 59 1/2	2	2	2	2
3060	35 1/2 x 71 1/2	2	2	2	2
3070	35 1/2 x 83 1/2	2	2	2	2
3424	39 1/2 x 27 1/2	2	2	2	2
3430	39 1/2 x 35 1/2	2	2	2	2
3436	39 1/2 x 43 1/2	2	2	2	2
3440	39 1/2 x 47 1/2	2	2	2	2
3444	39 1/2 x 51 1/2	2	2	2	2
3450	39 1/2 x 59 1/2	2	2	2	2
3460	39 1/2 x 71 1/2	2	2	2	2
3470	39 1/2 x 83 1/2	2	2	2	2
3824	43 1/2 x 27 1/2	2	2	2	2
3830	43 1/2 x 35 1/2	2	2	2	2
3836	43 1/2 x 43 1/2	2	2	2	2
3840	43 1/2 x 47 1/2	2	2	2	2
3844	43 1/2 x 51 1/2	2	2	2	2
3850	43 1/2 x 59 1/2	2	2	2	2
3860	43 1/2 x 71 1/2	2	2	2	2
3870	43 1/2 x 83 1/2	2	2	2	2
4024	47 1/2 x 27 1/2	2	2	2	2
4030	47 1/2 x 35 1/2	2	2	2	2
4036	47 1/2 x 43 1/2	2	2	2	2
4040	47 1/2 x 47 1/2	2	2	2	2
4044	47 1/2 x 51 1/2	2	2	2	2
4050	47 1/2 x 59 1/2	2	2	2	2
4060	47 1/2 x 71 1/2	2	2	2	2
4070	47 1/2 x 83 1/2	2	2	2	2

CALL SIZE	WINDOW SIZE	QUANTITY IN HEAD & SILL		QUANTITY IN EACH JAMB	
		UP TO 70 PSF	UP TO 70 PSF	UP TO 70 PSF	UP TO 70 PSF
12	18 1/8 x 25	2	2	2	2
13	18 1/8 x 37 3/8	2	2	2	2
14	18 1/8 x 49 5/8	2	2	2	2
15	18 1/8 x 61 7/8	2	2	2	2
16	18 1/8 x 74	2	2	2	2
17	18 1/8 x 86 1/4	2	2	2	2
1192	25 1/2 x 25	2	2	2	2
1193	25 1/2 x 37 3/8	2	2	2	2
1194	25 1/2 x 49 5/8	2	2	2	2
1195	25 1/2 x 61 7/8	2	2	2	2
1196	25 1/2 x 74	2	2	2	2
1197	25 1/2 x 86 1/4	2	2	2	2
30 1/2 x 26	29 1/2 x 25	2	2	2	2
30 1/2 x 38 3/8	29 1/2 x 37 3/8	2	2	2	2
30 1/2 x 50 5/8	29 1/2 x 49 5/8	2	2	2	2
30 1/2 x 62 7/8	29 1/2 x 61 7/8	2	2	2	2
30 1/2 x 75	29 1/2 x 74	2	2	2	2
30 1/2 x 87 1/4	29 1/2 x 86 1/4	2	2	2	2
36 x 25	36 x 25	2	2	2	2
36 x 37 3/8	36 x 37 3/8	2	2	2	2
36 x 49 5/8	36 x 49 5/8	2	2	2	2
36 x 61 7/8	36 x 61 7/8	2	2	2	2
36 x 74	36 x 74	2	2	2	2
36 x 86 1/4	36 x 86 1/4	2	2	2	2
42 x 25	42 x 25	2	2	2	2
42 x 37 3/8	42 x 37 3/8	2	2	2	2
42 x 49 5/8	42 x 49 5/8	2	2	2	2
42 x 61 7/8	42 x 61 7/8	2	2	2	2
42 x 74	42 x 74	2	2	2	2
42 x 86 1/4	42 x 86 1/4	2	2	2	2
48 x 25	48 x 25	2	2	2	2
48 x 37 3/8	48 x 37 3/8	2	2	2	2
48 x 49 5/8	48 x 49 5/8	2	2	2	2
48 x 61 7/8	48 x 61 7/8	2	2	2	2
48 x 74	48 x 74	2	2	2	2
48 x 86 1/4	48 x 86 1/4	2	2	2	2
52 x 25	52 x 25	2	2	2	2
52 x 37 3/8	52 x 37 3/8	2	2	2	2
52 x 49 5/8	52 x 49 5/8	2	2	2	2
52 x 61 7/8	52 x 61 7/8	2	2	2	2
52 x 74	52 x 74	2	2	2	2
52 x 86 1/4	52 x 86 1/4	2	2	2	2

* 37 SIZE NOT AVAILABLE IN 1000 OR 1500 SERIES

IMPORTANT INFORMATION & GENERAL NOTES (cont.)

ANCHOR INSTALLATION INSTRUCTIONS (cont.)

#8 WOOD SCREWS:

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

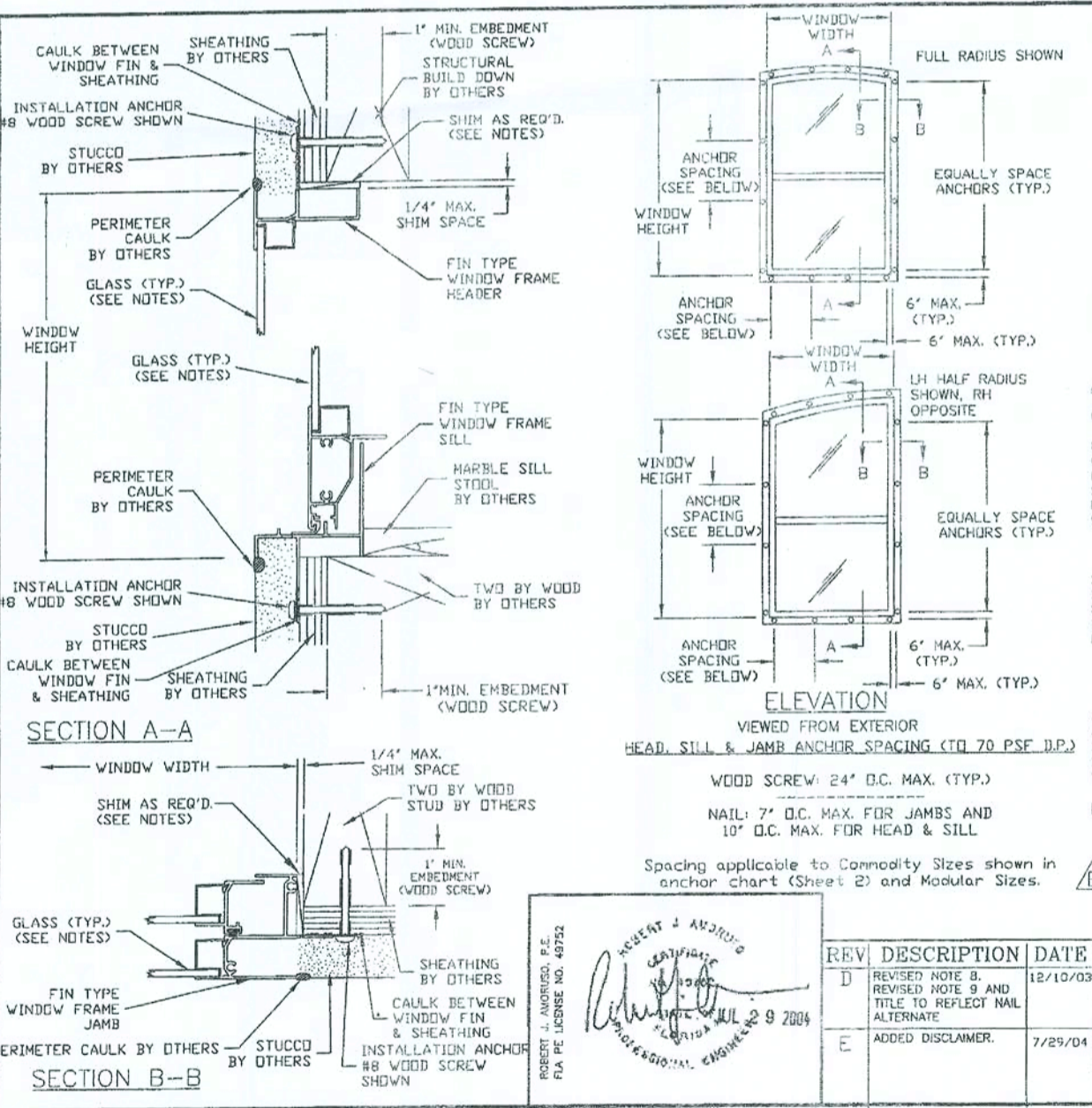
NAILS:

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

DESIGN PRESSURE RATING & FBC REQUIREMENTS

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

REVISED NOTE 6
 REVISED NOTE 9 AND TITLE TO REFLECT NAIL ALTERNATE.
 DATE: 7/29/04
 DRAWN BY: JB
 APPROVED BY: RJA



IMPORTANT INFORMATION & GENERAL NOTES
 These notes are provided to ensure proper installation of Florida Extruders Milstone products and must be followed fully.

GENERAL INSTALLATION INSTRUCTIONS

- SHIM AS REQ'D. AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM. MAX. ALLOWABLE 9" STACK TO BE 1/4". APPLY A BEAD OF VULKEM 116 ADHESIVE CAULK OR APPROVED EQUAL AT THE FASTENER LOCATION PRIOR TO INSERTING THE SHIM TO ADHERE THE SHIM TO THE SUBSTRATE AND/OR WINDOW FRAME. FULLING BETWEEN THE SHIM, SUBSTRATE AND WINDOW FRAME ARE REQUIRED.
- USE SILICONEZACRYLIC CAULK BEHIND WINDOW FIN AT HEAD, SILL & JAMBS.
- USE SILICONEZACRYLIC CAULK FOR PERIMETER SEAL AROUND EXTERIOR OF WINDOW FRAME.
- FLORIDA EXTRUDERS 1000 AND 1500 SERIES SINGLE HUNG IS SHOWN. THIS PRINT ALSO APPLIES TO THE FLORIDA EXTRUDERS 1000 AND 1500 SERIES SINGLE HUNG.
- WINDOW FRAME MATERIAL: ALUMINUM ALLOY 5063.
- BUILD DOWN AROUND CURVATURE 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 IRC, EYON 1707.4.1.
- WINDOW UNIT CAN BE MULTIPLE OTHER UNITS USING ALUMINUM TUBE MULLION. SEE MULLION INSTALLATION SHEETS FOR REBERMENTS.

ANCHOR INSTALLATION INSTRUCTIONS

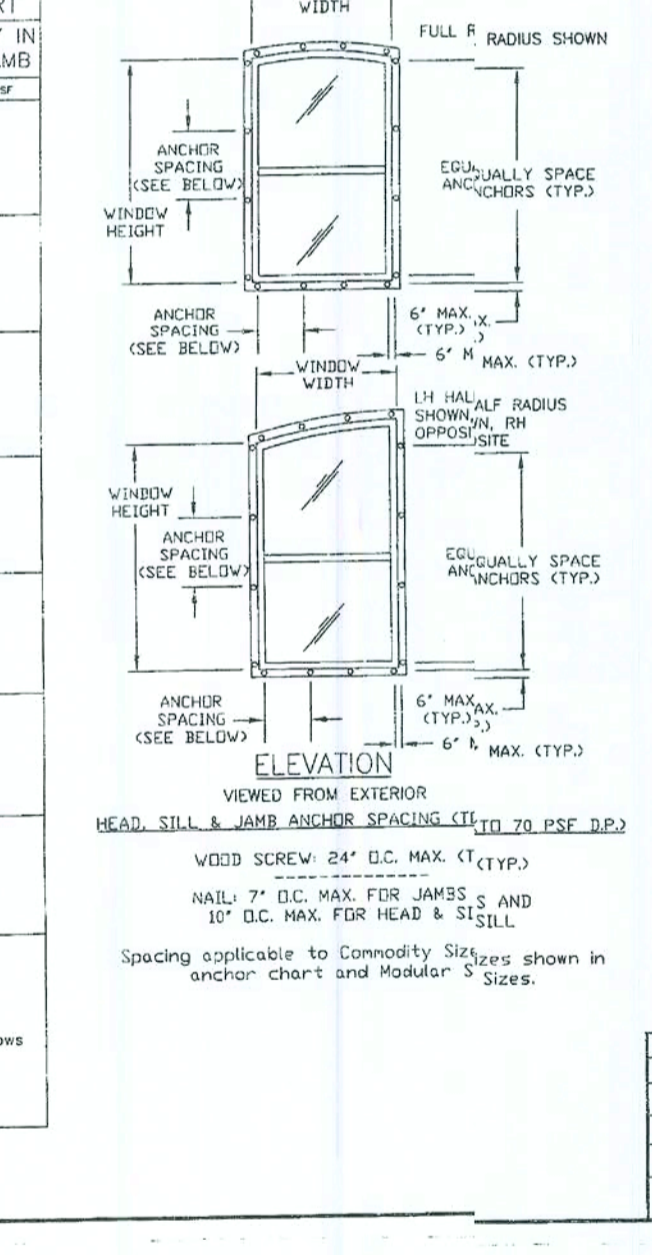
GENERAL:

- ALL INSTALLATION ANCHORS IF MADE OF CORROSION RESISTANT MATERIALS OR HAVE A CORROSION RESISTANT COATING APPROPRIATE 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.
- ALL FIELD SUPPLIED HOLES IN THE FRAME (IF REQUIRED) WILL BE:
 - 3/16" IN DIAMETER FOR #8 WOODSCREWS, AND
 - THE SHANK DIAMETER OF THE NAIL ROUNDED UP TO THE NEXT STANDARD DESIGNATION DRILL BIT SIZE.
- WOOD SCREWS SHALL MEET ANSI (S.I. DIMENSIONAL REQUIREMENTS).
- NAILS SHALL MEET ASTM F 1667, STANDARD SPECIFICATION FOR DRIVEN FASTENERS: NAILS, SPIKES, AND STAPLES.
- IF WOOD TENDS TO SPLIT, PRE-DRILL HOLE AS FOLLOWS (PER NATIONAL DESIGN SPECIFICATION FOR WOOD CONSTRUCTION REQUIREMENTS):
 - #8 WOOD SCREWS - 1/8" DIA. PILOT HOLE
 - 6.113" DIA. NAILS - 3/4" DIA. DRILL BIT PILOT HOLE
 - OTHER NAIL DIAMETER PILOTS NOT EXCEEDING 75% OF THE NAIL'S DIAMETER AS REQUIRED.
- WOOD SCREW AND NAIL WITHDRAWAL VALUES USED TO GENERATE FASTENING REQUIREMENTS ARE BASED ON SOUTHERN PINE WITH A SPECIFIC GRAVITY OF 0.55.
- WOOD SCREWS AND NAILS SHALL NOT BE MIXED TO FASTEN THE SAME ASSEMBLY.
- WOOD SCREWS AND NAILS SHALL BE USED TO FASTEN ASSEMBLY INTO THE END GRAIN OF WOOD.

(SEE SHEET 2 FOR CONTINUATION NOTES)

REVISED NOTE 6
 REVISED NOTE 9 AND TITLE TO REFLECT NAIL ALTERNATE.
 DATE: 7/29/04
 DRAWN BY: JB
 APPROVED BY: RJA

CALL SIZE	WINDOW SIZE	QUANTITY IN HEAD & SILL		QUANTITY IN EACH JAMB	
		UP TO 70 PSF	UP TO 70 PSF	UP TO 70 PSF	UP TO 70 PSF
12	18 1/8 x 27 1/2	2	2	2	2
13	18 1/8 x 39 1/8	2	2	2	2
14	18 1/8 x 51 1/8	2	2	2	2
15	18 1/8 x 63 1/8	2	2	2	2
16	18 1/8 x 75 1/8	2	2	2	2
1192	25 1/2 x 29 1/2	2	2	2	2
1193	25 1/2 x 41 3/8	2	2	2	2
1194	25 1/2 x 53 5/8	2	2	2	2
1195	25 1/2 x 65 7/8	2	2	2	2
1196	25 1/2 x 78	2	2	2	2
29 1/2 x 29 1/2	29 1/2 x 29 1/2	2	2	2	2
29 1/2 x 41 3/8	29 1/2 x 41 3/8	2	2	2	2
29 1/2 x 53 5/8	29 1/2 x 53 5/8	2	2	2	2
29 1/2 x 65 7/8	29 1/2 x 65 7/8	2	2	2	2
29 1/2 x 78	29 1/2 x 78	2	2	2	2
22	36 x 30 5/16	2	2	2	2
23	36 x 42 11/16	2	2	2	2
24	36 x 54 15/16	2	2	2	2
25	36 x 66 3/8	2	2	2	2
26	36 x 78 5/16	2	2	2	2
41 x 31 5/32	41 x 31 5/32	2	2	2	2
41 x 43 17/32	41 x 43 17/32	2	2	2	2
41 x 55 29/32	41 x 55 29/32	2	2	2	2
41 x 67 1/8	41 x 67 1/8	2	2	2	2
41 x 79 1/32	41 x 79 1/32	2	2	2	2
47 x 32 5/32	47 x 32 5/32	2	2	2	2
47 x 44 17/32	47 x 44 17/32	2	2	2	2
47 x 56 29/32	47 x 56 29/32	2	2	2	2
47 x 68 1/8	47 x 68 1/8	2	2	2	2
47 x 80 1/32	47 x 80 1/32	2	2	2	2
32	52 1/8 x 33	2	2	2	2
33	52 1/8 x 45 3/8	2	2	2	2
34	52 1/8 x 57 5/8	2	2	2	2
35	52 1/8 x 69 7/8	2	2	2	2
36	52 1/8 x 81 7/8	2	2	2	2



IMPORTANT INFORMATION & GENERAL NOTES (cont.)

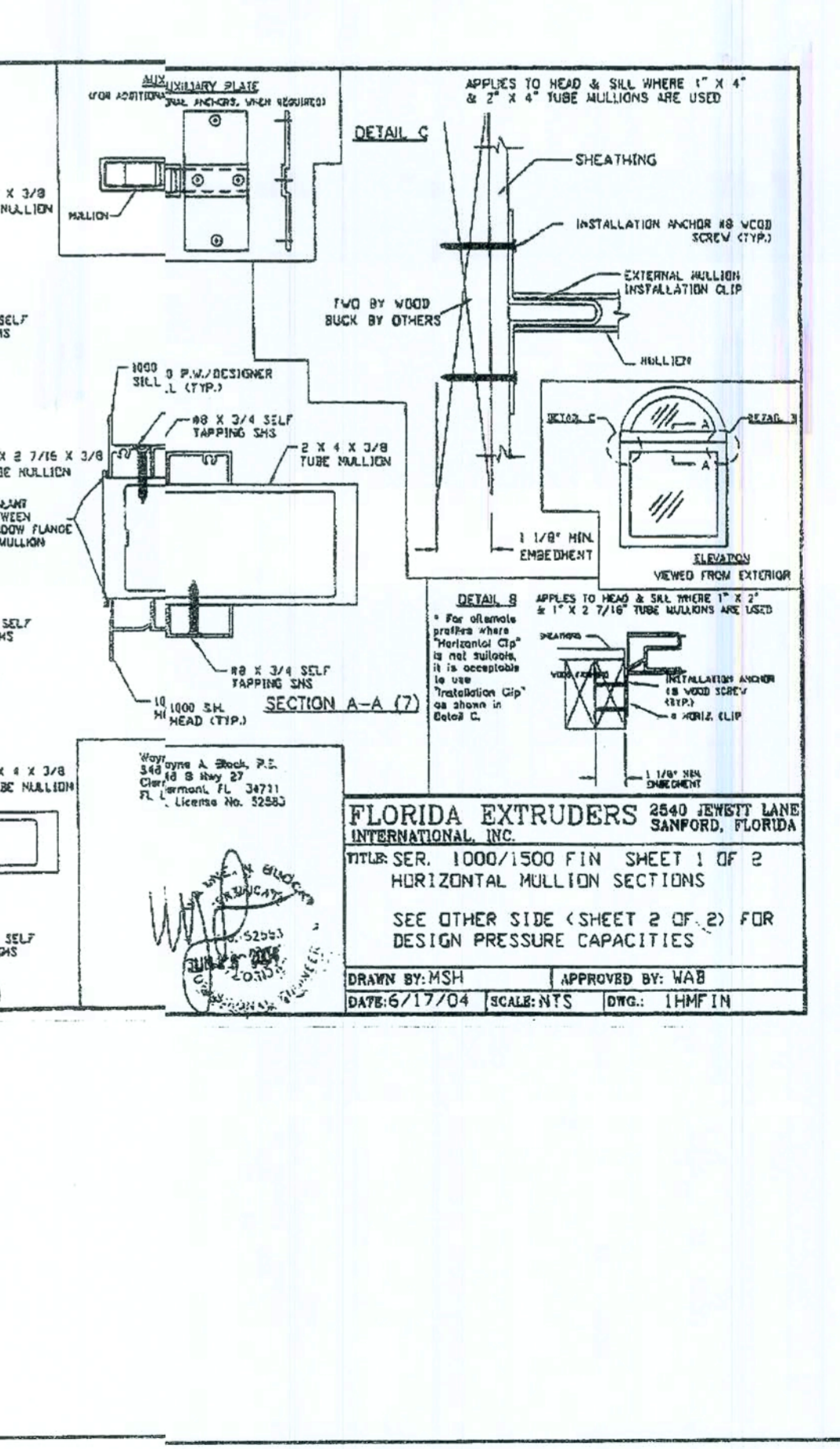
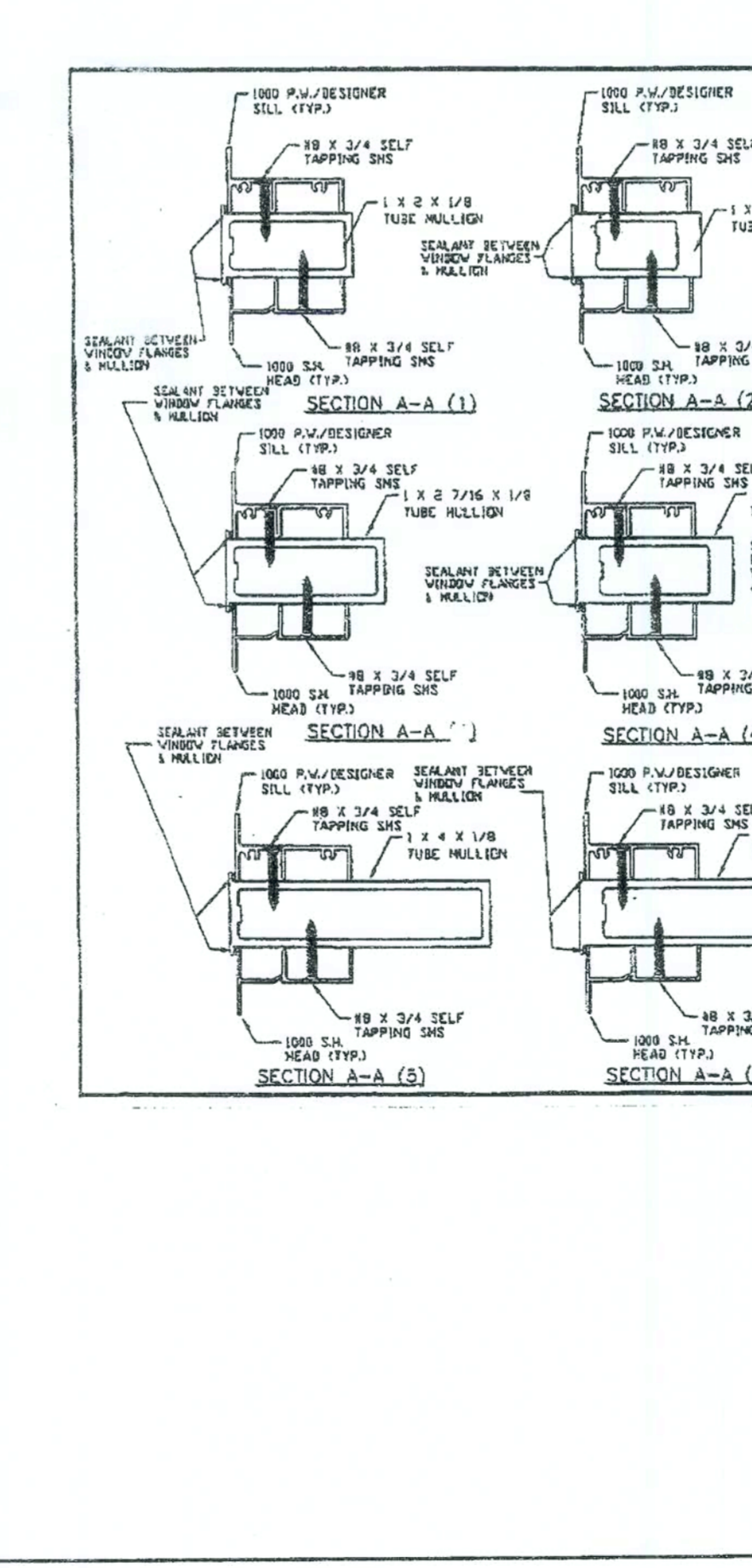
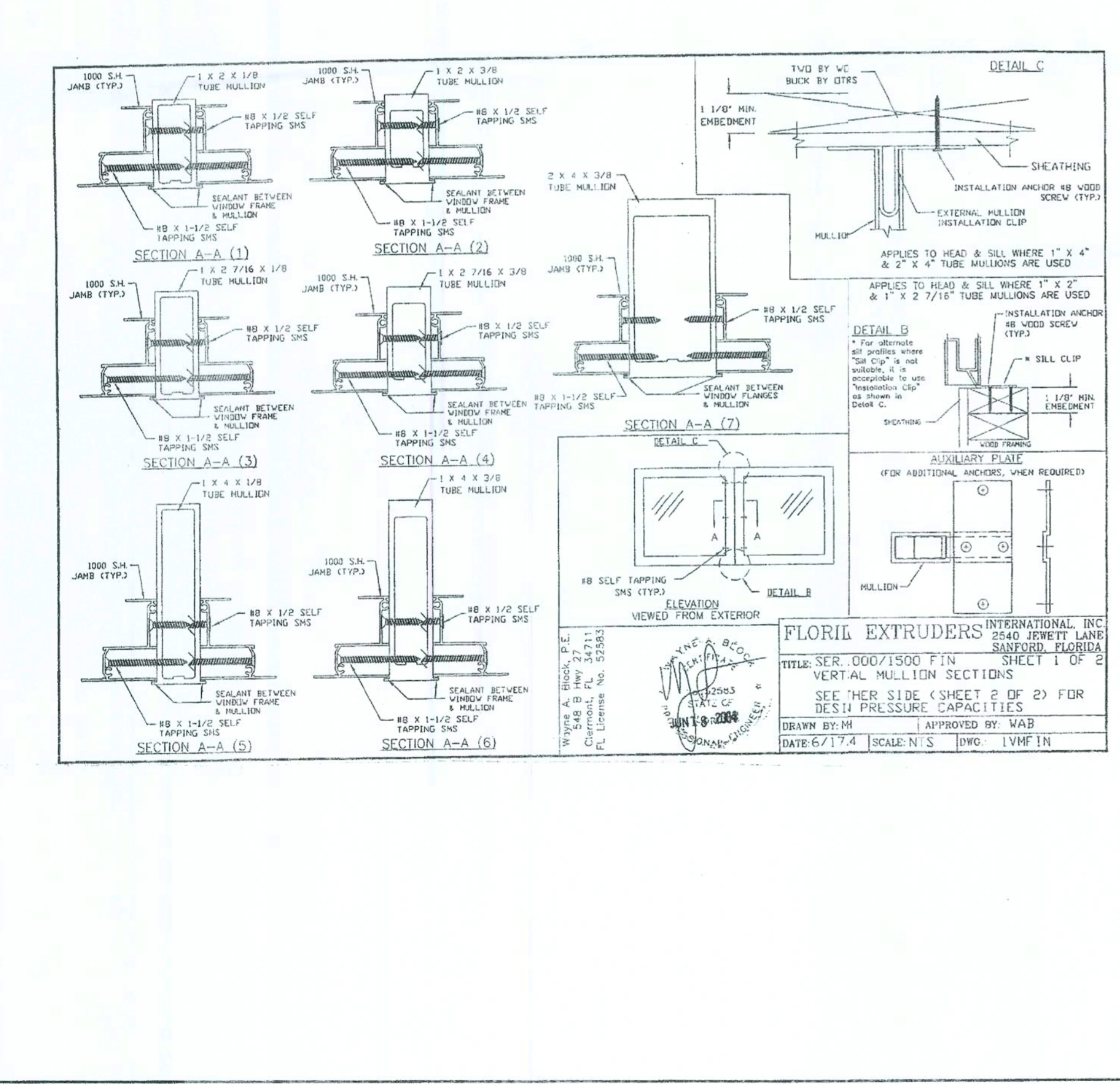
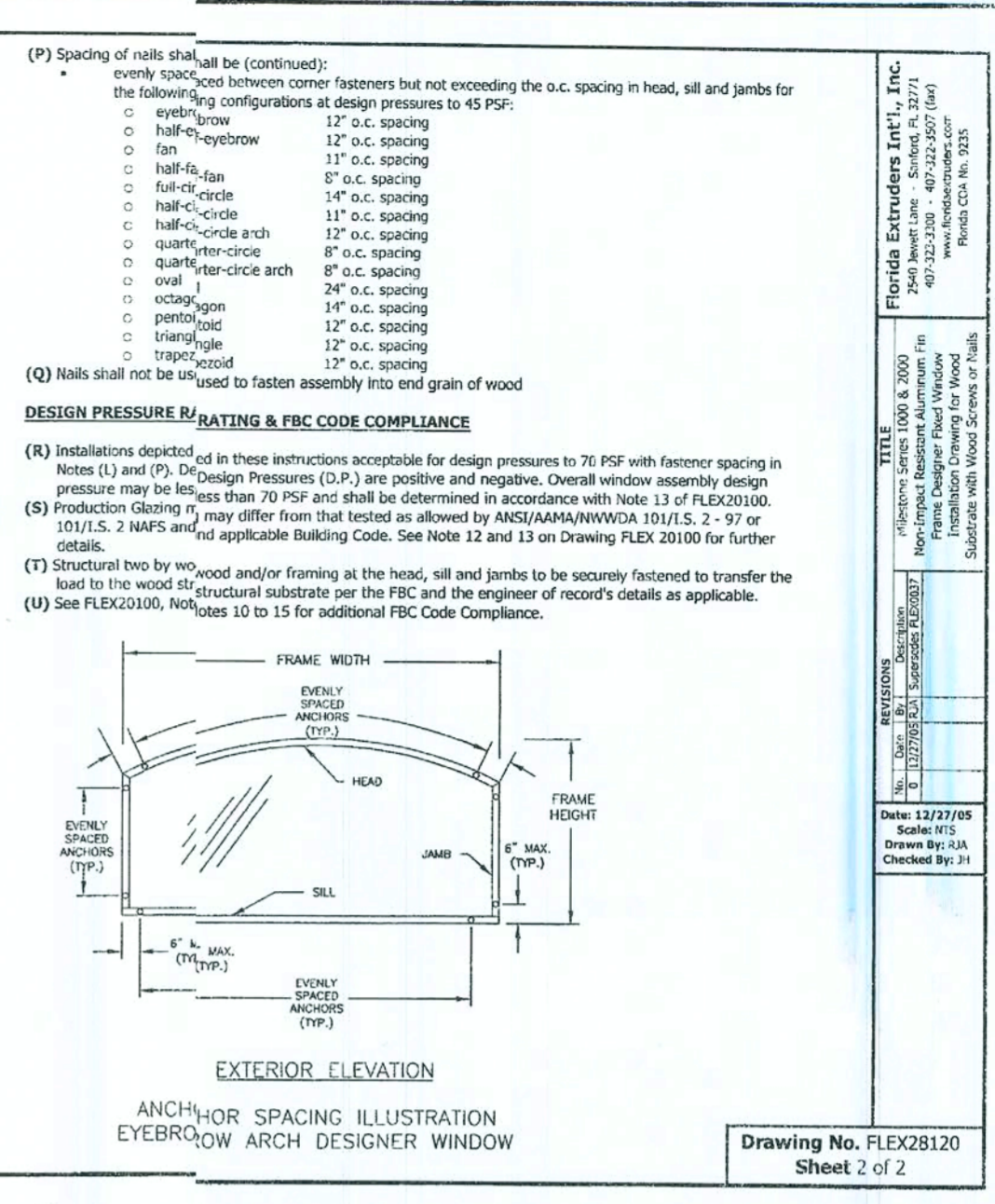
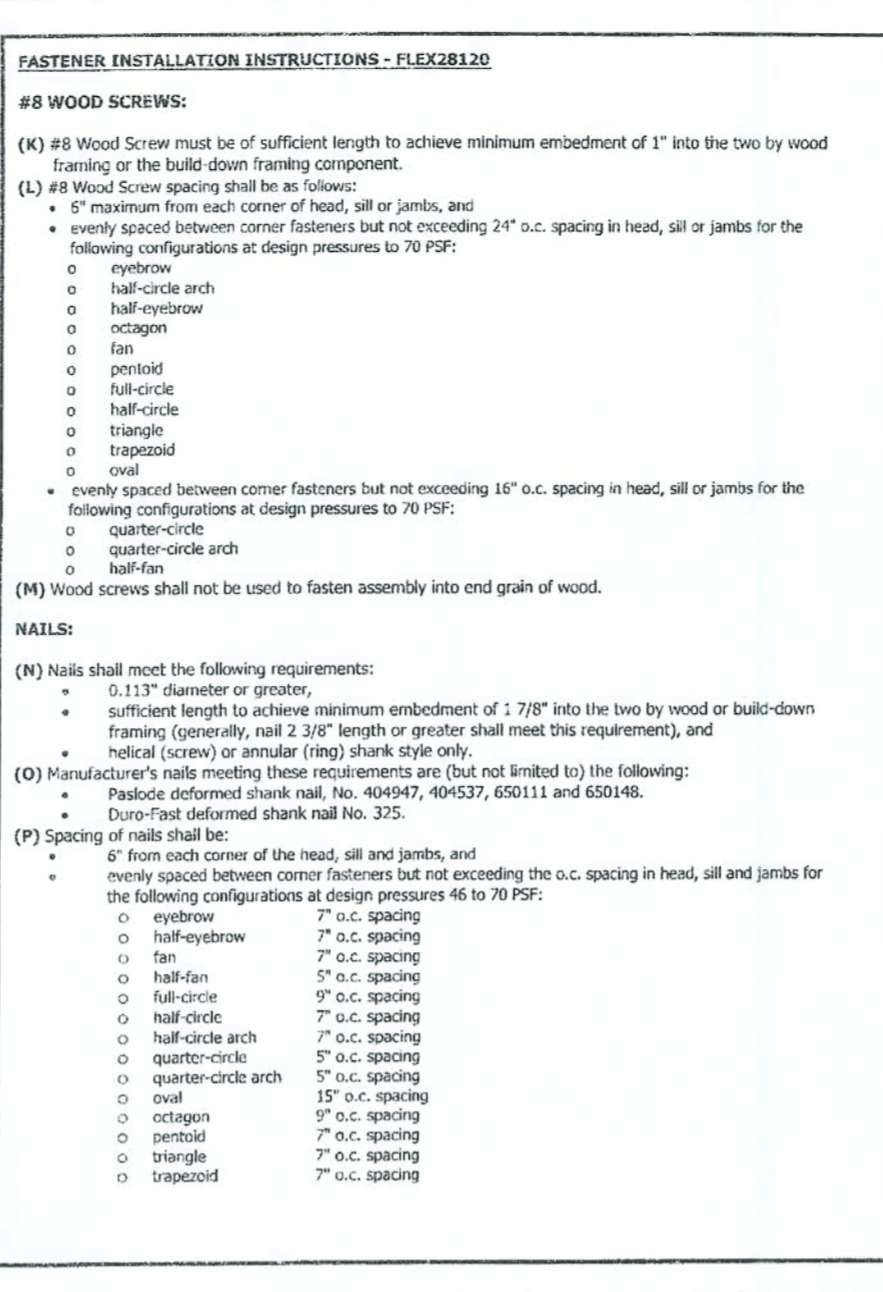
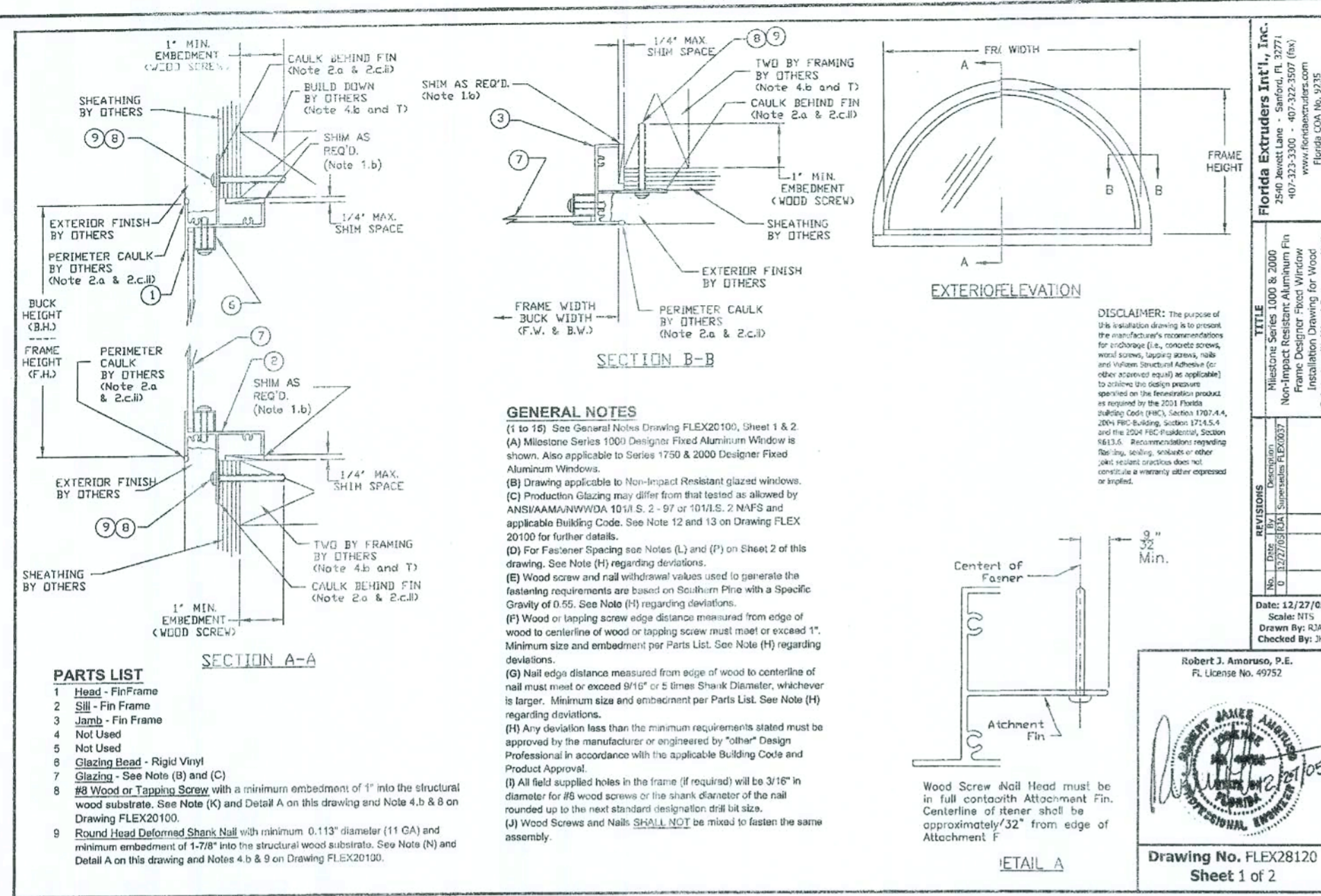
ANCHOR INSTALLATION INSTRUCTIONS (cont.)

#8 WOOD SCREWS:

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

NAILS:

- NAILS SHALL MEET THE FOLLOWING REQUIREMENTS:
 - 0.113" DIAMETER OR GREATER,
 - SUFFICIENT LENGTH TO ACHIEVE MINIMUM EMBEDMENT OF 1 7/8" INTO THE TWO BY WOOD BUCK OR BUILD-D



REVISIONS:

FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA 32771

DATE: 12/27/05 SCALE: NTS

DESIGNED BY: JIA CHECKED BY: JH

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Maronda Homes

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

FLORIDA EXTRUDERS INTERNATIONAL, INC. WINDOWS IN FRAME

RELEASE DATE:

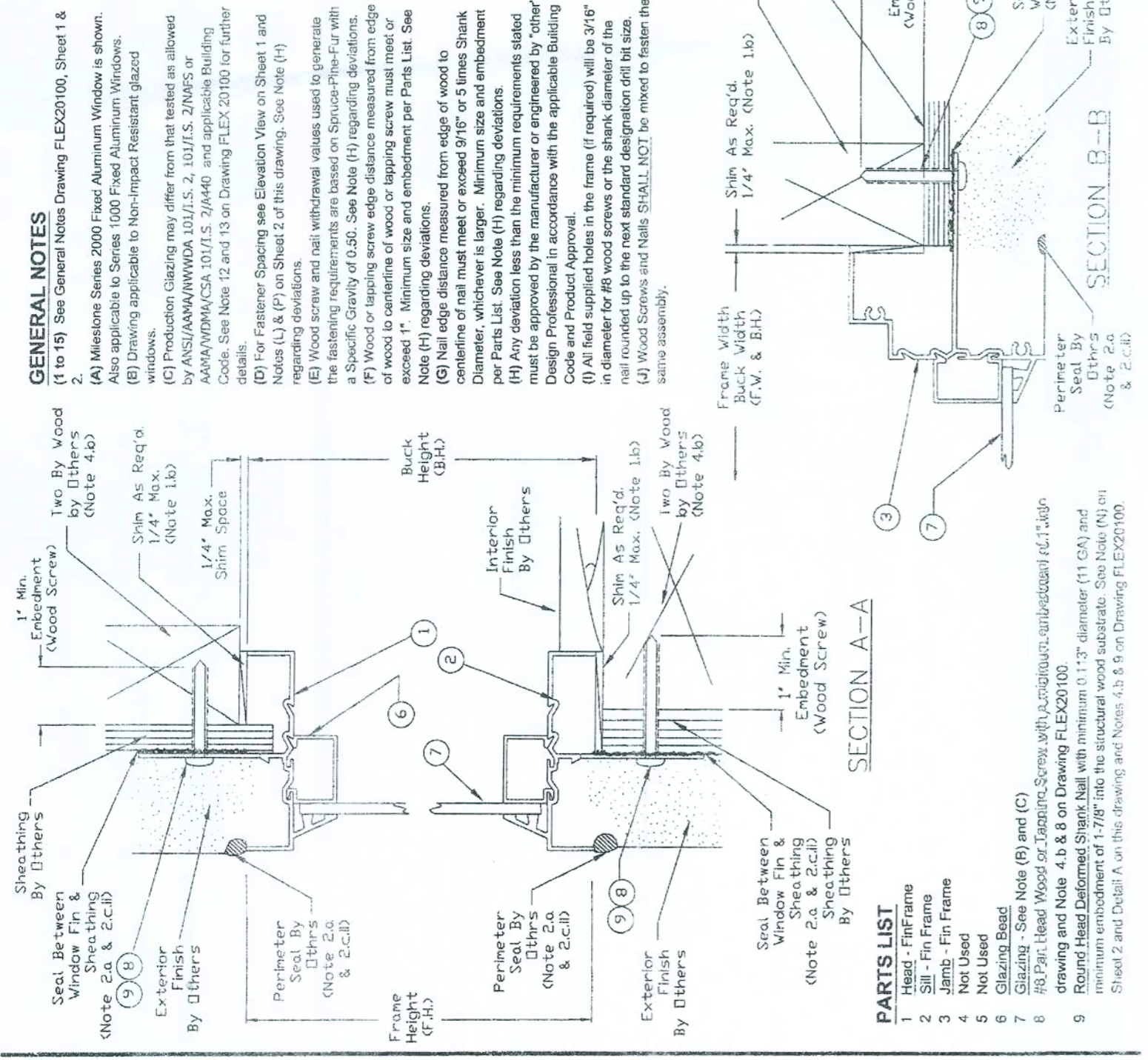
FLORIDA EXTRUDERS INTERNATIONAL, INC. 2540 JEWETT LANE SANFORD, FLORIDA 32771

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

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

DRAWN BY: MSH DATE: 6/17/04 SCALE: NTS DWG: 1VMFIN

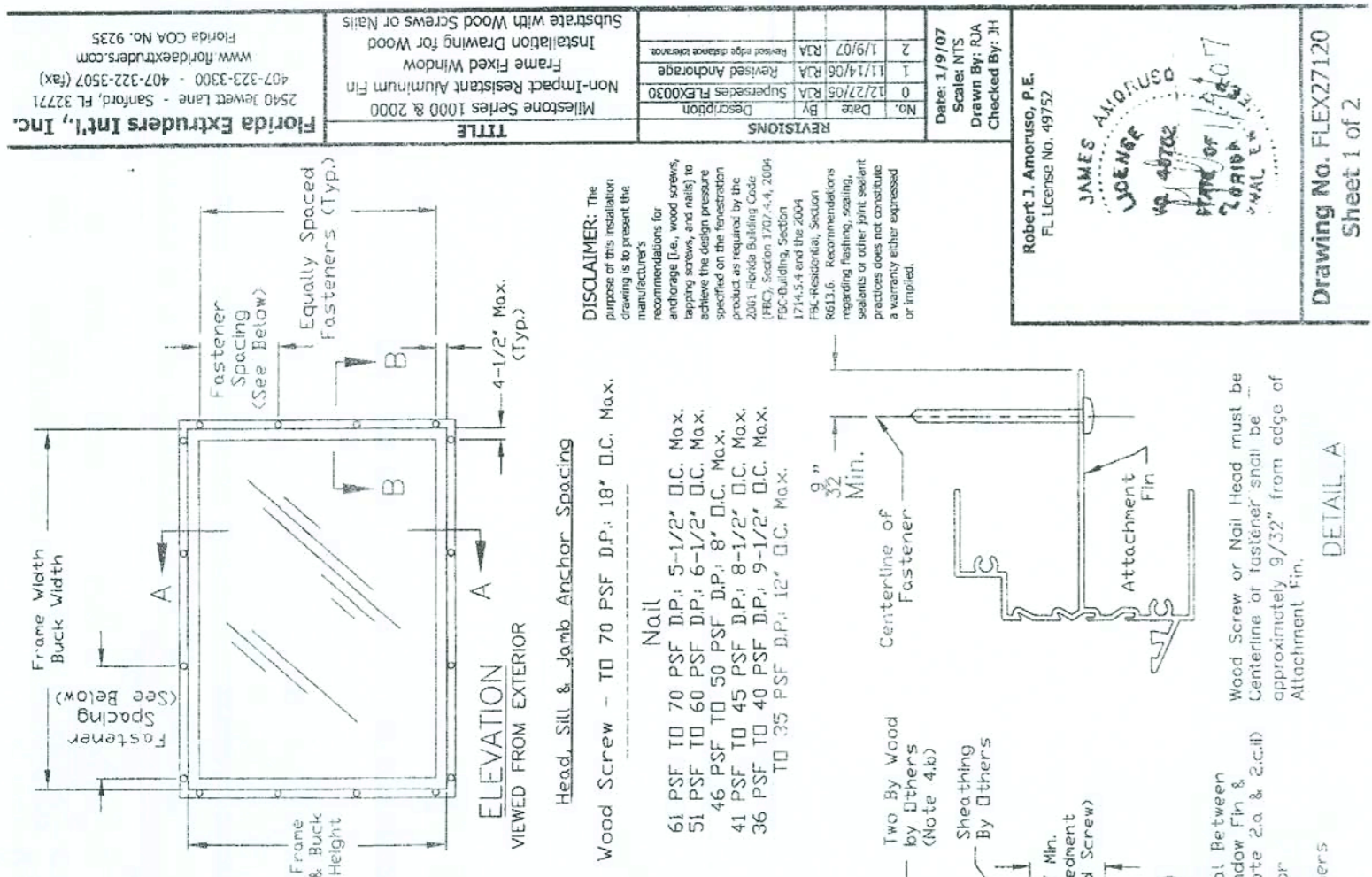
SHEET: 2 of 3



- PARTS LIST**
- 1 Head - Fin Frame
 - 2 Sill - Fin Frame
 - 3 Jamb - Fin Frame
 - 4 Not Used
 - 5 Not Used
 - 6 Glazing Bead
 - 7 Glazing - See Note (B) and (C)
 - 8 Round Head Deformed Shank Nail with minimum 0.13" diameter (11 GA) and minimum embedment of 1-7/8" into the structural wood substrate. See Note (N) on Sheet 2 and Detail A on this drawing and Notes 4.b, 5 & 9 on Drawing FLEX20100.
 - 9 Round Head Deformed Shank Nail with minimum 0.13" diameter (11 GA) and minimum embedment of 1-7/8" into the structural wood substrate. See Note (N) on Sheet 2 and Detail A on this drawing and Notes 4.b, 5 & 9 on Drawing FLEX20100.

GENERAL NOTES

- (1 to 15) See General Notes Drawing FLEX20100, Sheet 1 & 2.
- (A) Milstone Series 2000 Fixed Aluminum Window is shown. Also applicable to Series 1000 Fixed Aluminum Windows.
- (B) Drawing applicable to Non-Impact Resistant glazed windows.
- (C) Window Glazing may differ from that listed as allowed by ANSI/AAMA/CES 101/15.2/440 or ANSI/AAMA/CES 101/15.2/440.
- (D) For Fastener Spacing see Elevation View on Sheet 1 and Notes (L) & (P) on Sheet 2 of this drawing. See Note (H) regarding deviations.
- (E) Wood screw and nail withdrawal values used to generate the fastening requirements are based on Spruce-Pine-Fir with a Specific Gravity of 0.50. See Note (H) regarding deviations.
- (F) Wood or lapping screw edge distance measured from edge of wood to centerline of wood or lapping screw must meet or exceed 1". Minimum size and embedment per Parts List. See Note (H) regarding deviations.
- (G) Nail edge distance measured from edge of wood to centerline of nail must meet or exceed 9/16" or 5 times Shank Diameter, whichever is larger. Minimum size and embedment per Parts List. See Note (H) regarding deviations.
- (H) All fasteners must meet the minimum requirements stated and must be approved by the engineer of record or other Design Professional in accordance with the applicable Building Code and Product Approval.
- (I) All field supplied holes in the frame (if required) will be 3/16" in diameter for #8 wood screws or the shank diameter of the nail rounded up to the next standard designation drill bit size.
- (J) Wood Screws and Nails SHALL NOT be mixed to fasten the same assembly.



DISCLAIMER: The drawing is for the purpose of the installation of the window and is not intended to be used for any other purpose. The user is responsible for verifying the accuracy of the information provided and for obtaining all necessary permits and approvals. The user is also responsible for ensuring that the installation complies with all applicable codes and standards.

REVISIONS

No.	Date	Description
1	1/17/07	Initial Release
2	1/19/07	Revised Anchor

Scale: NTS
 Drawn By: RJA
 Checked By: JH

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

JAMES ALCOGUILLO
 LICENSED PROFESSIONAL ENGINEER
 No. 48702
 State of Florida
 MAIL TO: 1000 N. W. 13th St., Ft. Lauderdale, FL 33304

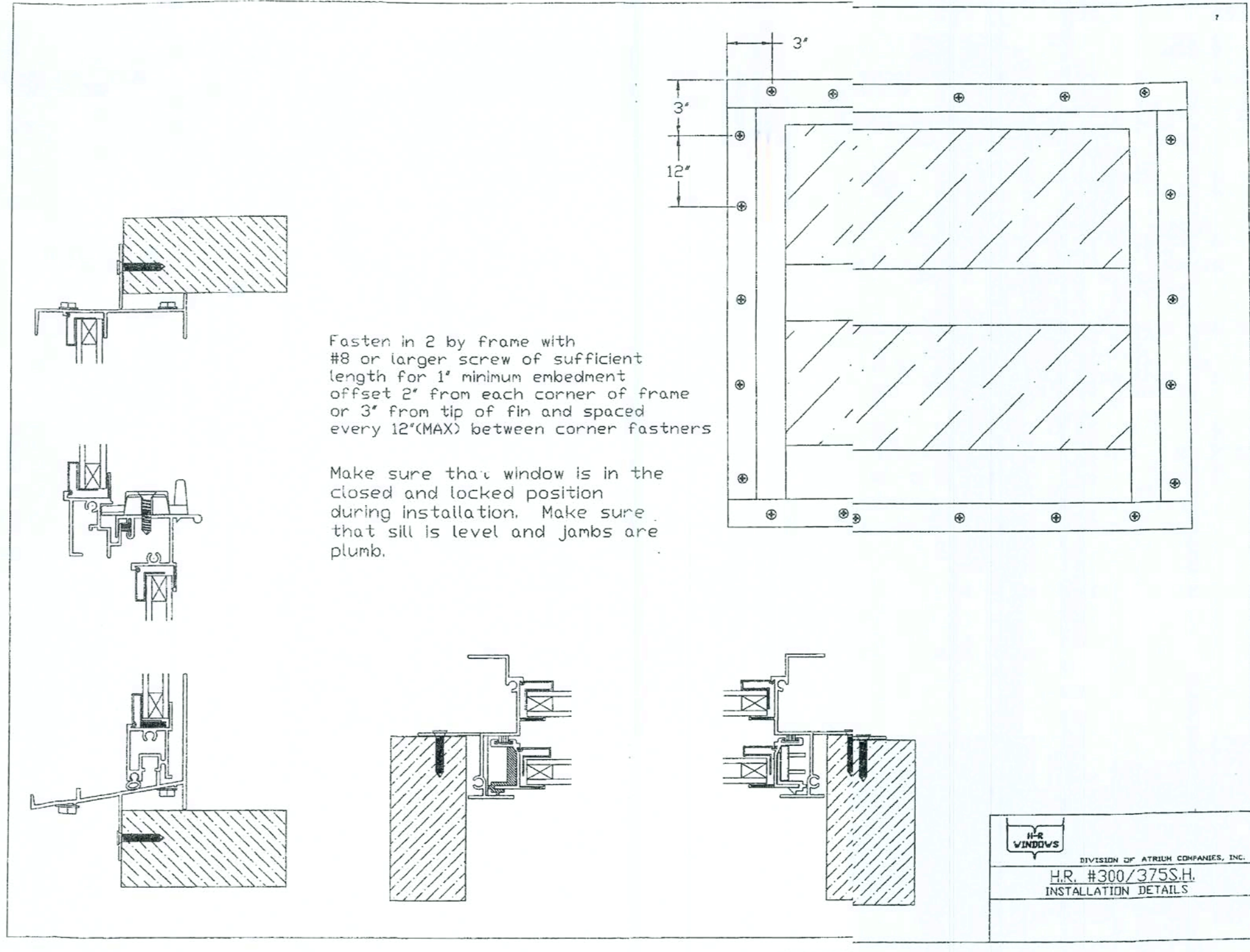
Florida Extruders Int'l, Inc.
 2540 Sweet Lane - Sanford, FL 32771
 407-322-3300 - 407-322-3507 (fax)
 www.floridextruders.com
 Florida COA No. 9235

FASTENER INSTALLATION INSTRUCTIONS - FLEX27120

- #8 WOOD SCREWS:**
- (K) #8 Wood Screw must be of sufficient length to achieve minimum embedment of 1" into the two by wood framing.
- (L) Spacing of wood screws shall be:
- 4-1/2" max. from each corner of the head, sill and jambs, and
 - evenly spaced between corner fasteners but not exceeding 18" o.c. spacing for the head, sill and jambs as shown in Elevation View on Sheet 1 of this drawing.
 - Tolerance is +/- 1". This tolerance is applicable to the evenly spaced distance.
 - Corner distance measured from frame/buck width or height dimension of frame.
- (M) Wood screws shall not be used to fasten assembly into end grain of wood.
- NAILS:**
- (N) Nails shall meet the following requirements:
- 0.113" diameter or greater;
 - sufficient length to achieve minimum embedment of 1 7/8" into the two by wood framing (generally, nail 2 3/8" length or greater shall meet this requirement), and
 - helical (screw) or annular (ring) shank style only.
- (O) Manufacturer's nails meeting these requirements are (but not limited to) the following:
- Paslode deformed shank nail, No. 404947, 404537, 650111 and 650148.
 - Duro-Fast deformed shank nail No. 325.
- (P) Spacing of nails shall be:
- 4-1/2" max. from each corner of the head, sill and jambs, and
 - evenly spaced between corner fasteners and not exceeding o.c. spacing for the head, sill and jambs as shown in Elevation View on Sheet 1 of this drawing.
 - Tolerance is +/- 1". This tolerance is applicable to the evenly spaced distance.
 - Corner distance measured from frame/buck width or height dimension of frame.
- (Q) Nails shall not be used to fasten assembly into end grain of wood.

DESIGN PRESSURE RATING & FBC CODE COMPLIANCE

- (R) Installations depicted in these instructions acceptable for design pressures to 70 PSF with fastener spacing shown the Elevation View on Sheet 1 of this drawing for the following window sizes:
- to 52 1/8" x 95"
 - to 63" x 90"
 - to 71" x 71"
 - to 73" x 73"
 - to 83" x 55 1/4"
 - to 95" x 49 5/8"
 - to 119" x 37 3/8"
- Design Pressures (D.P.) are positive and negative. Overall window assembly design pressure may be less than 70 PSF and shall be determined in accordance with Note 13 of FLEX20100.
- (S) Production Glazing may differ from that tested as allowed by ANSI/AAMA/NWDA 101/15.2, 101/15.2/440 or AAMA/NWDA/CSA 101/15.2/440 and applicable Building Code. See Note 12 and 13 on Drawing FLEX 20100 for further details.
- (T) Structural two by wood buck and/or framing at the head, sill and jambs to be securely fastened to transfer the load to the wood structural substrate per the FBC and the engineer of record's details as applicable.
- (U) See FLEX20100, Notes 10 to 15 for additional FBC Code Compliance.



Fasten in 2 by frame with #8 or larger screw of sufficient length for 1" minimum embedment offset 2" from each corner of frame or 3" from tip of fin and spaced every 12"(MAX) between corner fasteners

Make sure that window is in the closed and locked position during installation. Make sure that sill is level and jambs are plumb.

THE WINDOWS
 DIVISION OF ATRISK COMPANY, INC.
 H.R. #300/375S.H.
 INSTALLATION DETAILS

SHEET:
 3 of 3

REVISIONS

No.	Date	Description
1	1/17/07	Initial Release
2	1/19/07	Revised Anchor

Scale: NTS
 Drawn By: RJA
 Checked By: JH

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

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

Maronda Homes
 4005 MARONDA WAY SANFORD, FLORIDA
 407.1.321-0064
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PRODUCT APPROVAL INFORMATION SHEET FOR FLORIDA

PROJECT NAME: _____ PERMIT # _____

PROJECT ADDRESS: _____

As required by Florida Statute 553.842 and Florida Administrative Code 9b-72. Please provide the information and product approval numbers for the building components listed below as applicable to the building construction project for the permit number listed above. You should contact your product supplier if you do not know the product approval number for any of the 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. Swingling	Plastro Inc.	Fiberglass Doors	Evaluated for use in locons adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads For Building and Other Structures.	FL 6729J FL 6729.5	+50 / -50 +50 / -50
2. Sliding	Stanton/Norandex Florida Extruders	Sliding Glass Doors	500 72X80 SGD-45 Milestone 1000 SG	FL 5979J FL 45J	+50 / -50 +45 / -45
3. Sectional					
4. Roll up	Wayne Dalton	Garage Doors 130 16' 9100 / 5120 8' Garage Doors 140 16' 9100 / 5120 8'	As Indicated in evaction report and installati drawings. Not to be used in HVHZ.	FL 5287J FL 5287.3 FL 9174.4 FL 9174.5	+26.9 / -30.8 +25.9 / -28.8 +43.2 / -49.6 +39.2 / -43.7
B. WINDOWS					
1. Single Hung	H-R Windows Danwid Window Co Florida Extruders	300 Fin Single Hung 341 Flange Frame S.H. Milestone 1000 S.H.	40-17 72x74 H-5	FL 5089J FL 2752J FL 42J	+45 / -45 +55 / -55 +45 / -45
2. Horizontal Slider					
3. Casement					
4. Double hung					
5. Fixed	H-R Windows Danwid Window Co Florida Extruders	300 Fin Frame Fixed 341 Flange Frame Fixed Milestone 1000 Fixed	437.438 111X63 F-C 3/16 Tempered ass Flange & Fin	FL 1291J FL 2349J FL 44J	+55 / -55 +70 / -70 +45 / -45
6. Awning					
7. Pass-through					
8. Projected					
9. Mullion	H-R Windows Florida Extruders	Mullions Milestone Tube Mull Fin Or Flange	Evaluated for use in locons 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. Sliding	Owens Corning	Norandex - Summit Manor Dbl 4.5 Dutch Lap Reynolds - Easy Street Dbl 4.5 Dutch Lap	This Evaluation is not for use within the FBC HVZ, or an Education Facility within the State of Florida. Sliding is limited to V construction, as defined below. SECTION 602.5-TYPE CONSTRUCTION Type V construction is the use of structural elements, exterior walls and interior walls are of any material permitted by this code. Compliance is valid only if the subject profile trade me is current on the VSI Vn Sliding Certification Program.	FL 920.3 FL 920.7	+NA / -152 +NA / -152
2. Soffit	AlSCO Metal Corp	16' Vented Soffit Quad 4 Aluminum Soffit	For use as soffit on/Not for use in HVHZ	FL 4459J	46.71 PSF
D. ROOFING PRODUCTS					
1. Asphalt shingles	Owens Corning	Asphalt Shingle Ridge Vents	This Approval not for use in the HVHZ. All FBC ctions that apply to counties except Broward and Miami-Dade must be followed	FL 3663 FL 234	
2. Underlayments					
3. Roofing fasteners					
4. Nonstructural metal roof					
5. Built-up roofing					
6. Modified bitumen	Polyglass	Two layer torch down	The max design presre for the selected assembly will meet or exceed the 20 l design pressure determined in accordance with Fl chapter 16.	FL 1654.8 FL 1654.9	
7. Single ply roofing					
8. Roofing tiles					
9. Roofing insulation					
10. Waterproofing					
11. Wood shingles/shakes					
12. Roofing slate					

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	State #	Design Pressures
D. ROOFING PRODUCTS cont.					
13. Liquid applied roofing					
14. Cement-adhesive coats					
15. roof tile adhesive					
16. Spray applied polyurethane roof					
17. roof vents	Owens Corning Stamco Inc. Lamanco	Galvanized metal roof vents	This Approval is not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade must be followed.	FL 5289J FL 8103J FL 3792.5	
E. SHUTTERS					
1. Storm Panels	Atrium Shutters, Inc. K&D Manufacturing All American Shutters, Inc.	5L Panel Galv. Stl Storm	This product may only be installed on concrete, hollow concrete block, or wood substrates. This product is NOT suitable for installation in the High Velocity Hurricane Zone.	FL 5547J FL 2773J FL 393J	50 PSF -47 / -50
F. STRUCTURAL COMPONENTS					
1. Wood connector/anchor	United Steel Products	Anchor's, Hangers Etc. Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NNOA 05-0105.05	FL RI, 565, 569, 572, 576, 815, 816, 817, 818, 819, 820, 821, 822, 859, 1247, 1777, 2033, 2620, 3923, 4929, 5631, 6223	
2. Truss plates	Mitek Industries Inc.	Truss Connectors	No Limitation of Use.	FL 2197 RI	
3. Engineered lumber					
4. Railing					
5. Coolers-freezers					
6. Concrete admixtures					
7. Material					
8. Insulation forms					
9. Plastics					
10. Deck-roof					
11. Wall					
12. Sheds					
13. Other	Powers Steel Inc.	PSbox8 PSbox8(5 5/8)	Lintels shall not exceed the allowable design load and spans. The lintels shall not be used in a fire resistance rated assembly. A proper barrier is required when using corrosive lumber products in contact with steel lintels. Not for use in HVHZ Miami or Broward counties at this time.	6264J	N/A
G. SKYLIGHTS					
1. Skylight					
2. Other					
H. NEW EXTERIOR ENVELOPE PRODUCTS					
1.					
2.					

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

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

City: _____ State: _____ Zip Code: _____

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

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

Maronda Homes

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

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REVISIONS:
10-29-07 UPDATE LISTS
01-21-08 UPDATE ROLL UP DOORS
08-14-08 ADDED POWERS STEEL LINTELS

PRODUCT APPROVAL

DRAWN BY: _____ GARAGE: _____
RELEASE DATE: _____

PLOT DATE: 14 AUG 2008

SHEET: _____

FLORIDA BUILDING CODE 2004 : RESIDENTIAL

DISTINCTION SERIES
SING INSWING RESIDENTIAL INSULATED
FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

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

DISTINCTION SMC FIBERGLASS DOOR

DOOR LEAF CONSTRUCTION:
FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.080" THICK FIBERGLASS SKIN.
CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.
CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS. THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.

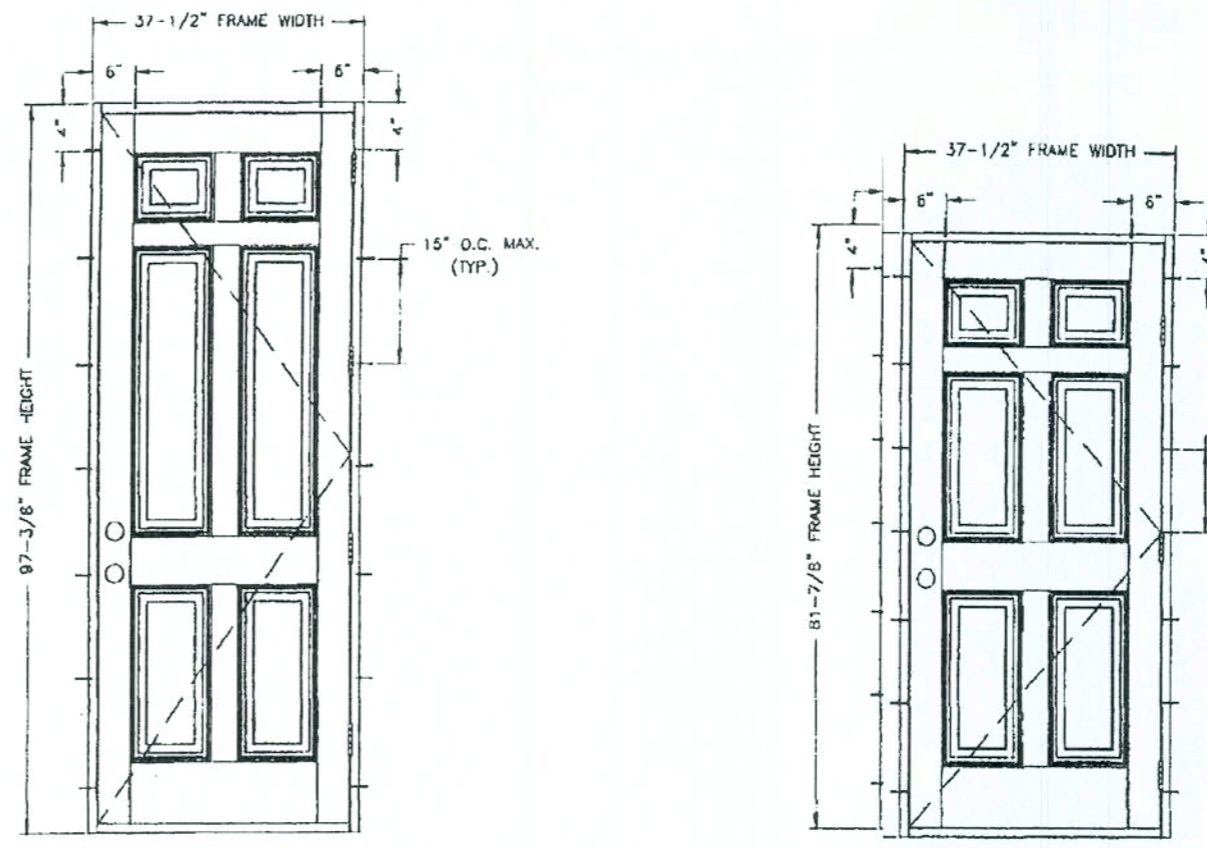
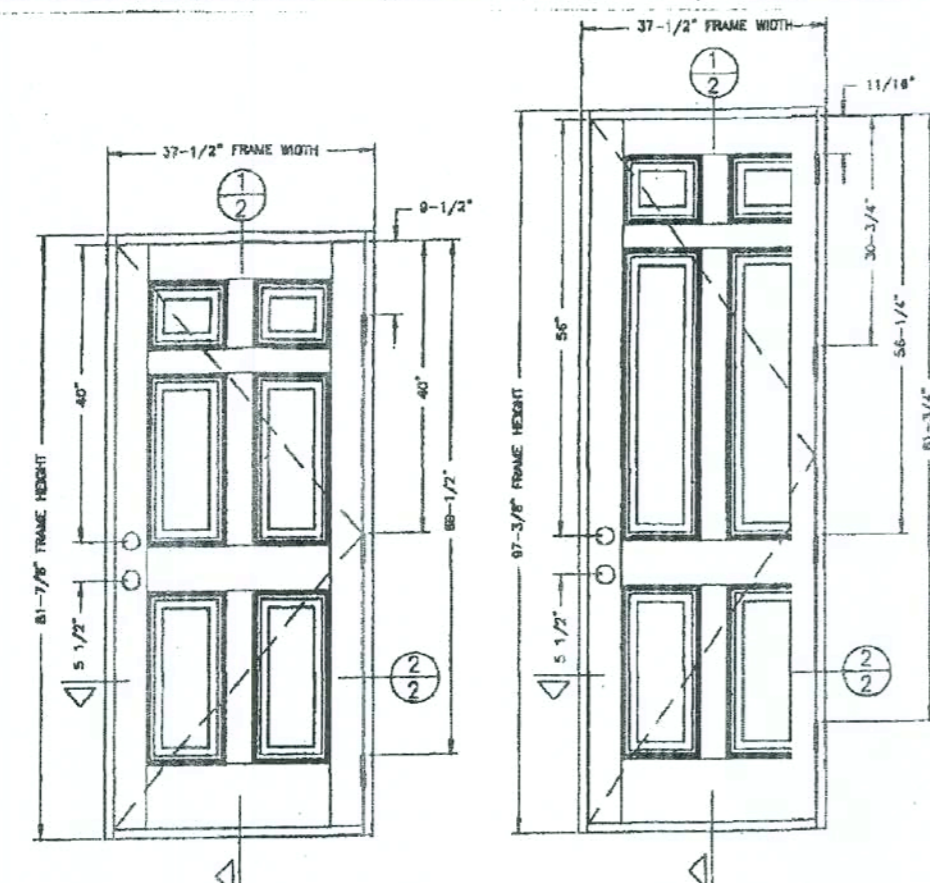
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1	GENERAL NOTES, TYPICAL ELEVATIONS
2	CROSS SECTIONS (VERTICAL AND HORIZONTAL)
3	ANCHORING LAYOUT
4	PART LIST

DESIGN PRESSURE RATING (TABLE #1)

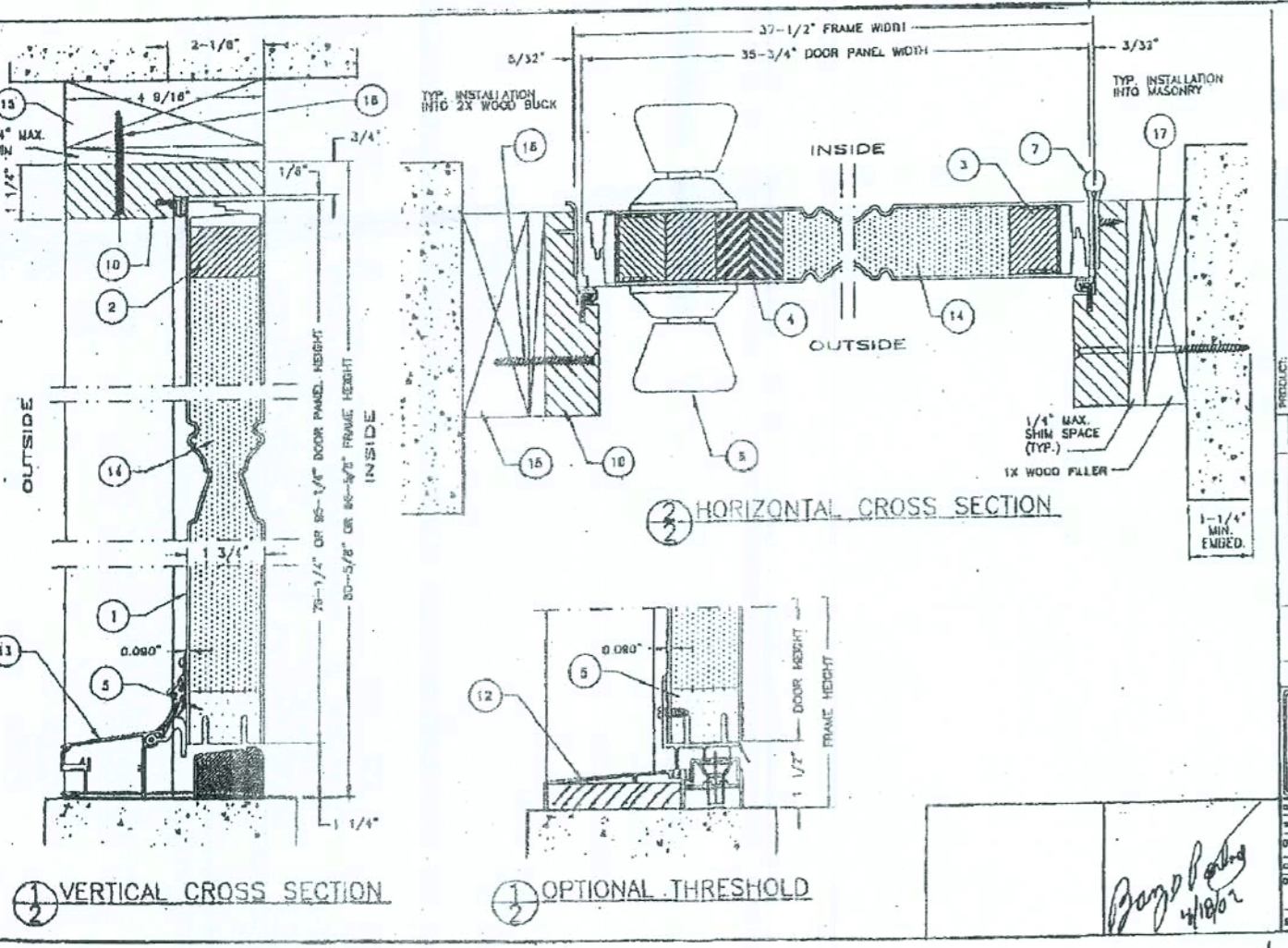
WIND SPEED (MPH)	WIND PRESSURE (PSF)	WIND UPLIFT (PSF)
70	+10	-10
80	+15	-15
90	+20	-20
100	+25	-25
110	+30	-30
120	+35	-35
130	+40	-40
140	+45	-45
150	+50	-50

DESIGN PRESSURE RATING (TABLE #2)

WIND SPEED (MPH)	WIND PRESSURE (PSF)	WIND UPLIFT (PSF)
70	+10	-10
80	+15	-15
90	+20	-20
100	+25	-25
110	+30	-30
120	+35	-35
130	+40	-40
140	+45	-45
150	+50	-50



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

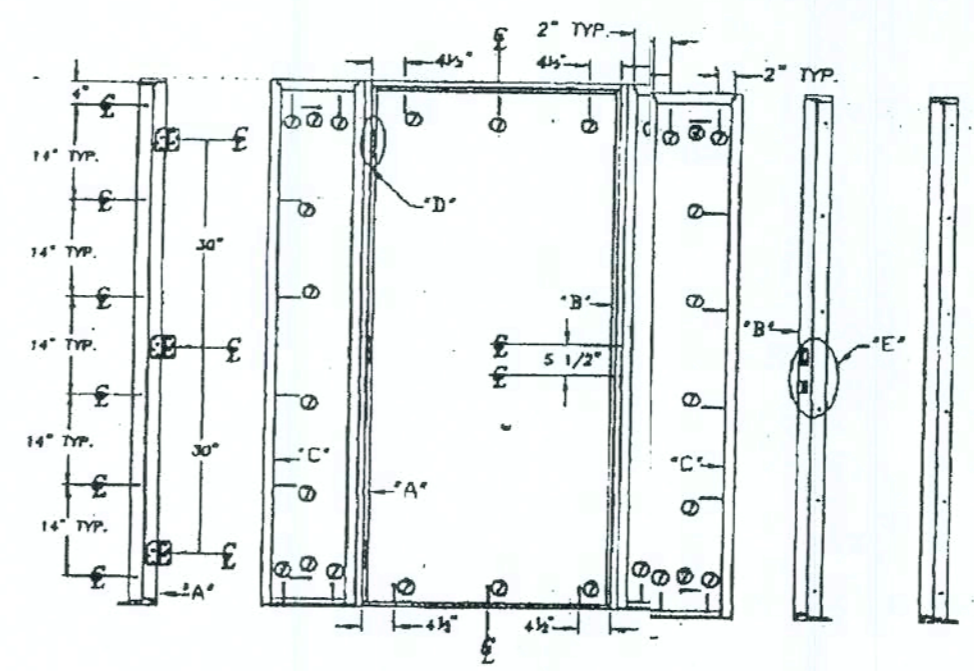


NOTE:
WHEN REQ. THE USE OF 2X SHALL BE ALLOWED USING (4) EVENLY SPACED 1/4" X 3" TAPCONS IN THE SIDES, AND (2) EVENLY SPACED 1/4" X 3" TAPCONS IN THE HEADER ALL W/ 1/4" IMBEDMENT. IF NEEDED A 1X CAN BE NAILED 6" O.C. STAGGERED TO 2X. DOOR IS THEN ATTACHED PER DETAILS ON THIS PAGE.

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

SCREW SCHEDULE

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

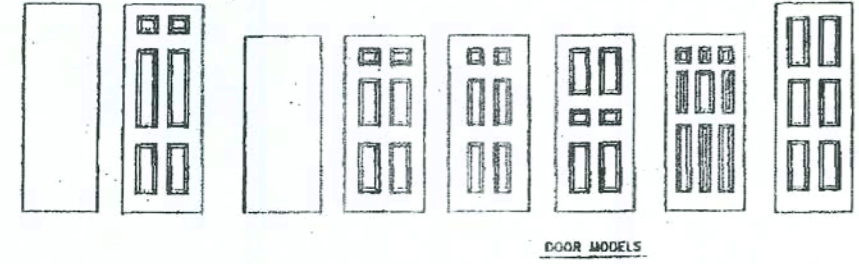
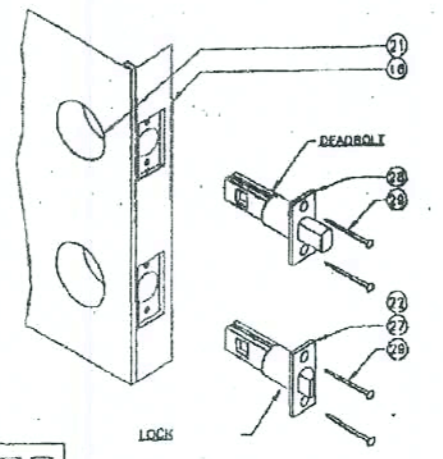


Product Acceptance No: DSI-222

Size: up to 5'4" x 6'8"	Inswing (wood jamb)		Configuration: X, OXO, XO, OX	
Single Opaque	2'0	2'4	2'6	2'8
W/Sidelites	+80 -80	+80 -80	+80 -80	+80 -80
Single Glaz'd	+75 -80	+64 -77	+60 -71	+50 -60
W/Sidelites			+56 -57	+50 -60
(Door does not meet Missile Impact)			+50 -60	+50 -60

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

ITEM	DESCRIPTION	PART NO.	MATERIAL
1	DOOR SKIN (2 PANELS)	MC-10	SMC FIBERGLASS
2	TOP RAIL (2-PC)	MC-11	WOOD
3	HINGE STILE	MC-12	WOOD
4	LOCK STILE	MC-13	WOOD
5	BOTTOM RAIL	MC-14	WOOD
6	DOOR BOTTOM (INSWING)	MC-15	PVC CO-EXTRUSION
7	BUTT HINGE	MC-16	ALUMINUM / PVC BRASS
8	LOCK LOCK	MC-17	STEEL
9	DOOR FRAME	MC-18	WOOD
10	THRESHOLD (INSWING)	MC-19	ALUMINUM / PVC BRASS
11	THRESHOLD (INSWING)	MC-20	ALUMINUM / PVC BRASS
12	FRAM CORN	MC-21	WOOD
13	ANCHOR	MC-22	STEEL
14	ANCHOR	MC-23	STEEL



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

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

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

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

EXT. DOOR DETAILS
IN SWING-FIBERGLASS

Maronda Homes

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

SHEET: **FD 1**

DISTINCTION SERIES

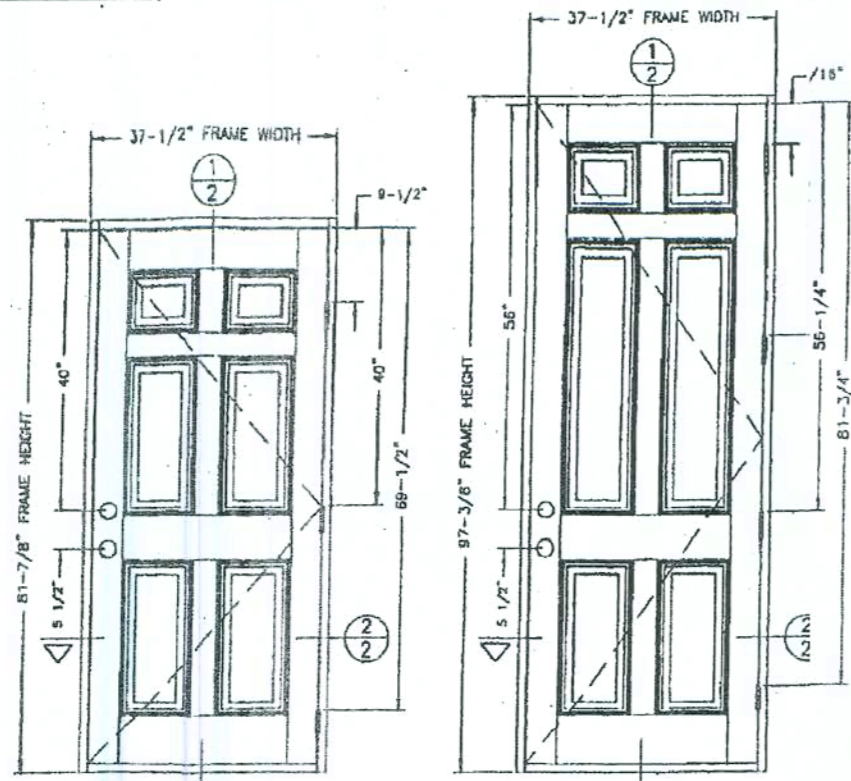
SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

GENERAL NOTES

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

DISTINCTION SMC FIBERGLASS DOOR

DOOR LEAF CONSTRUCTION:
 FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.025" THICK FIBERGLASS SKIN. CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE. CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS. THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.



TYPICAL ELEVATION 6'-8" DOOR

TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)

WIND SPEED (MPH)	WIND WATER INFILTRATION REQUIREMENT IS NEEDED	WIND WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+40 PSF	+80 PSF
NEGATIVE	-40 PSF	-80 PSF

DESIGN PRESSURE RATING (TABLE #2)

WIND SPEED (MPH)	WIND WATER INFILTRATION REQUIREMENT IS NEEDED	WIND WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+80 PSF	+50 PSF
NEGATIVE	-80 PSF	-50 PSF

TABLE OF CONTENTS

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

PLASTIFLO, INC.
 8 PEACH TREE HILL RD.
 LANCASTER, NJ 07039

SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

DATE: 01/08/99
 DRAWN BY: N.T.S.
 CHECKED BY: R.P.P.
 SCALE: 3/4" = 1'-0"
 SHEET: 1 OF 4

DISTINCTION SERIES

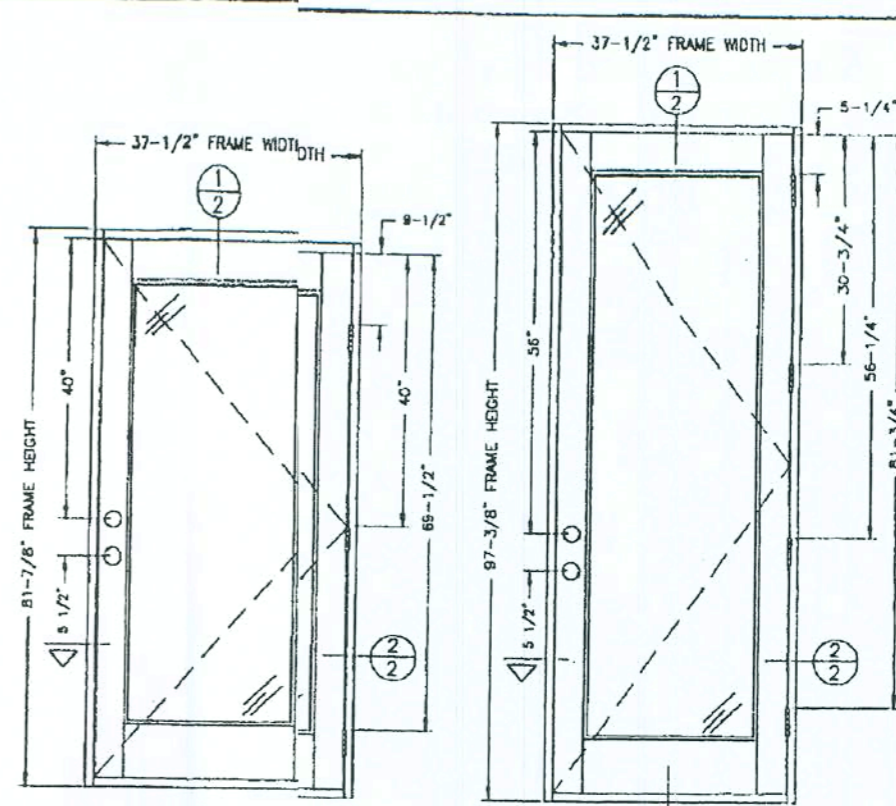
SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME (STEEL REINFORCED WITH FULL GLASS LITE)

GENERAL NOTES

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

DOOR LEAF CONSTRUCTION:

1. FACE SHEETS: EACH SLAB IS CONSTRUCTED FROM 0.075 THK. FIBERGLASS SKIN.
 2. CORE DESIGN: THE INTERIOR CAVITY OF EACH DOOR IS FILLED WITH RIGID POLYURETHANE.
 3. CONSTRUCTION: THE VERTICAL EDGES OF THE SLAB CONSIST OF GLUED INTERLOCKING FIBERGLASS JOINTS. THE HORIZONTAL EDGES CONSIST OF THE FIBERGLASS SKIN GLUED TO THE WOOD BLOCK AT TOP AND TO THE RIGID PVC FOAM INSERT AT BOTTOM.
 4. GLAZING: 5/8" OVERALL THICKNESS INSULATED GLASS PANEL CONSISTING OF TWO 1/8" TEMPERED LITES AND ONE AIR SPACE.
 5. REINFORCING: ONE (1) "U" SHAPED STEEL REINFORCING CHANNEL MEASURING 1.501" X 0.718" X 0.078" THK. WAS LOCATED AT EACH PANEL STILE (6'-0" DOOR ONE).



TYPICAL ELEVATION 6'-8" DOOR

TYPICAL ELEVATION 8'-0" DOOR

DESIGN PRESSURE RATING (TABLE #1)

WIND SPEED (MPH)	WIND WATER INFILTRATION REQUIREMENT IS NEEDED	WIND WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+80 PSF	+50 PSF
NEGATIVE	-80 PSF	-50 PSF

DESIGN PRESSURE RATING (TABLE #2)

WIND SPEED (MPH)	WIND WATER INFILTRATION REQUIREMENT IS NEEDED	WIND WATER INFILTRATION REQUIREMENT IS NOT NEEDED
POSITIVE	+80 PSF	+70 PSF
NEGATIVE	-80 PSF	-70 PSF

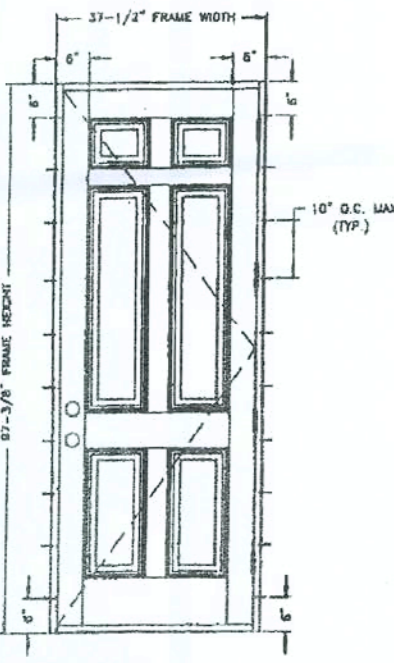
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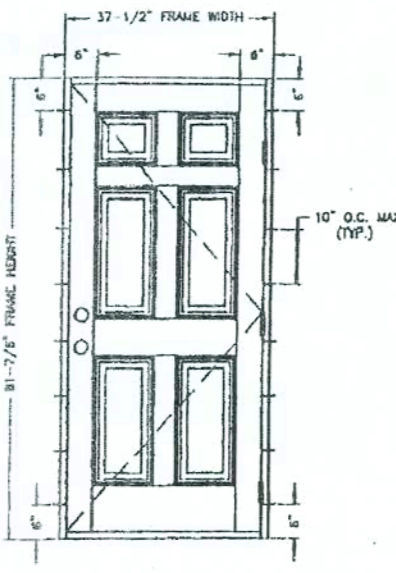
PLASTIFLO, INC.
 8 PEACH TREE HILL RD.
 LANCASTER, NJ 07039

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

DATE: 01/08/99
 DRAWN BY: N.T.S.
 CHECKED BY: R.P.P.
 SCALE: 3/4" = 1'-0"
 SHEET: 1 OF 4



ANCHOR LAYOUT FOR 6'-8" DOOR



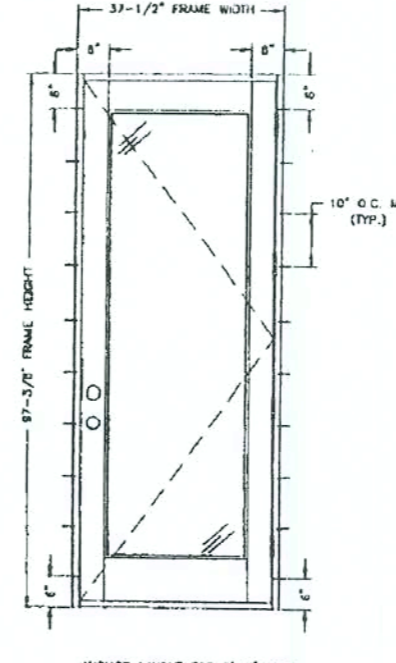
ANCHOR LAYOUT FOR 8'-0" DOOR

TYPICAL ANCHORS
 1) INTO 2BY WOOD BLOCKS OR WOOD STRUCTURE @ 3MS, 1-1/2" MIN. EMBEDMENT
 2) INTO 1BY WOOD BLOCK OR INTO MASONRY 3/16" DIA. TAPCONS WITH 1-1/2" MIN. EMBEDMENT

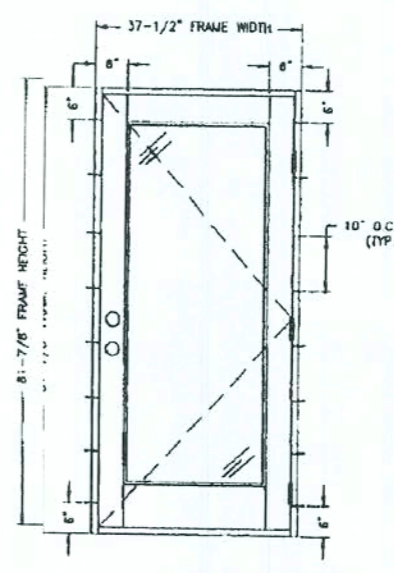
PLASTIFLO, INC.
 8 PEACH TREE HILL RD.
 LANCASTER, NJ 07039

SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME

DATE: 01/08/99
 DRAWN BY: N.T.S.
 CHECKED BY: R.P.P.
 SCALE: 3/4" = 1'-0"
 SHEET: 1 OF 4



ANCHOR LAYOUT FOR 6'-8" DOOR



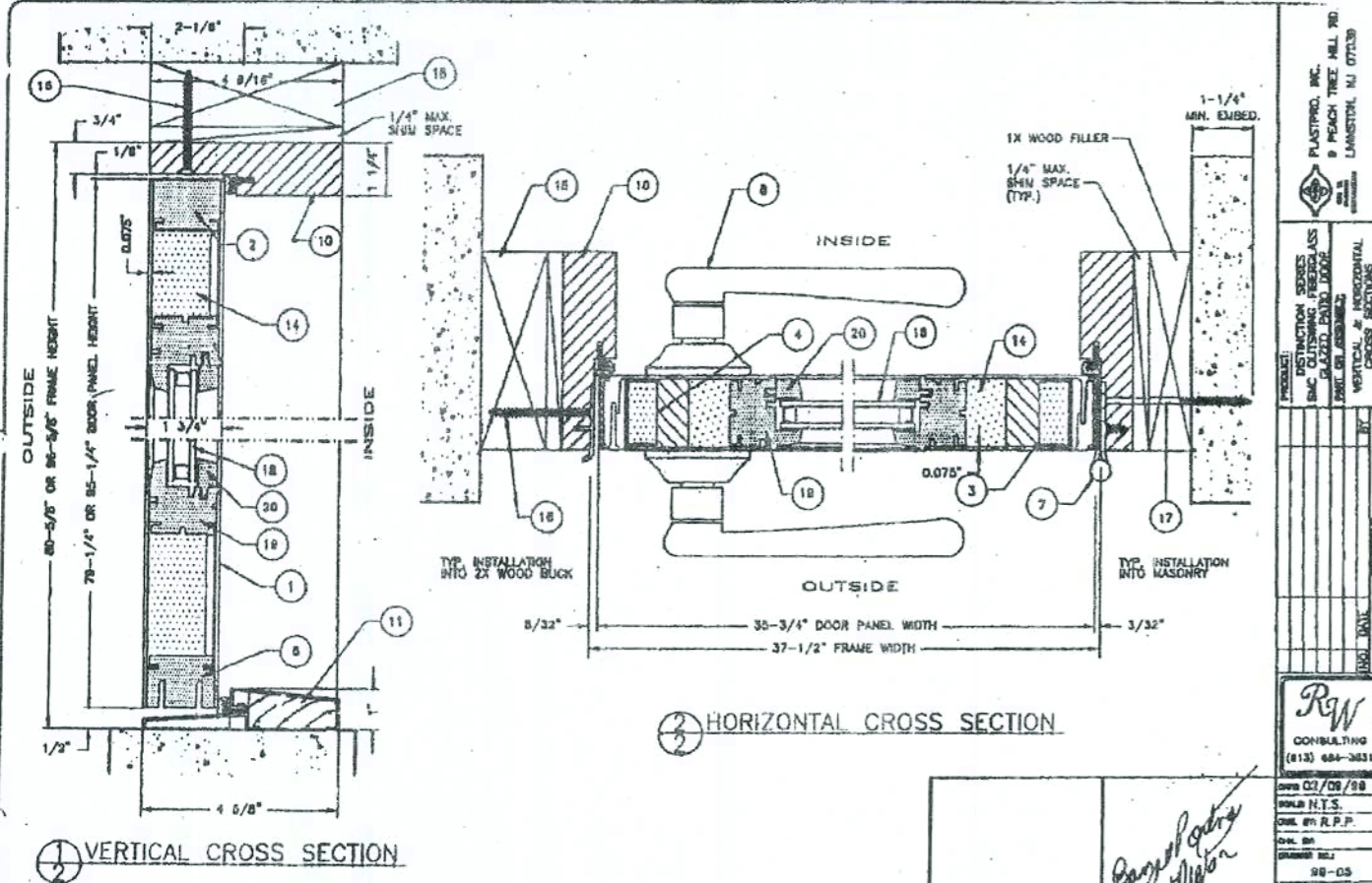
ANCHOR LAYOUT FOR 8'-0" DOOR

TYPICAL ANCHORS
 1) INTO 2BY WOOD BLOCKS OR WOOD STRUCTURE @ 3MS, 1-1/2" MIN. EMBEDMENT
 2) INTO 1BY WOOD BLOCK OR INTO MASONRY 3/16" DIA. TAPCONS WITH 1-1/2" MIN. EMBEDMENT

PLASTIFLO, INC.
 8 PEACH TREE HILL RD.
 LANCASTER, NJ 07039

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

DATE: 01/08/99
 DRAWN BY: N.T.S.
 CHECKED BY: R.P.P.
 SCALE: 3/4" = 1'-0"
 SHEET: 1 OF 4



HORIZONTAL CROSS SECTION

VERTICAL CROSS SECTION

ITEM	DESCRIPTION	PART NO.	MATERIAL
1	DOOR LEAF (6 PANEL 6'-8")	PA870	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME
2	TOP RAIL	PA871	PVC FRAME
3	HINGE STILE	PA872	WOOD (MASONRY)
4	LOCK STILE	PA873	WOOD (MASONRY)
5	BOTTOM RAIL	PA874	PVC FRAME
6	DOOR BOTTOM (KICKING)	PA875	WOOD (MASONRY)
7	BUTT HINGE	PA876	BRASS
8	DEAD BOLT	PA877	STEEL
9	DOOR FRAME	PA878	WOOD (MASONRY)
10	THRESHOLD (OUTSWING)	PA879	WOOD (MASONRY)
11	THRESHOLD (INSIDE)	PA880	WOOD (MASONRY)
12	DOOR STOP	PA881	WOOD (MASONRY)
13	DOOR STOP	PA882	WOOD (MASONRY)
14	DOOR STOP	PA883	WOOD (MASONRY)
15	DOOR STOP	PA884	WOOD (MASONRY)
16	DOOR STOP	PA885	WOOD (MASONRY)
17	DOOR STOP	PA886	WOOD (MASONRY)
18	DOOR STOP	PA887	WOOD (MASONRY)
19	DOOR STOP	PA888	WOOD (MASONRY)
20	DOOR STOP	PA889	WOOD (MASONRY)
21	DOOR STOP	PA890	WOOD (MASONRY)
22	DOOR STOP	PA891	WOOD (MASONRY)
23	DOOR STOP	PA892	WOOD (MASONRY)
24	DOOR STOP	PA893	WOOD (MASONRY)
25	DOOR STOP	PA894	WOOD (MASONRY)
26	DOOR STOP	PA895	WOOD (MASONRY)
27	DOOR STOP	PA896	WOOD (MASONRY)
28	DOOR STOP	PA897	WOOD (MASONRY)
29	DOOR STOP	PA898	WOOD (MASONRY)
30	DOOR STOP	PA899	WOOD (MASONRY)
31	DOOR STOP	PA900	WOOD (MASONRY)

ITEM	DESCRIPTION	PART NO.	MATERIAL
1	DOOR LEAF (8 PANEL 8'-0")	PA870	SMC OUTSWING RESIDENTIAL INSULATED FIBERGLASS DOOR IN WOOD FRAME
2	TOP RAIL	PA871	PVC FRAME
3	HINGE STILE	PA872	WOOD (MASONRY)
4	LOCK STILE	PA873	WOOD (MASONRY)
5	BOTTOM RAIL	PA874	PVC FRAME
6	DOOR BOTTOM (KICKING)	PA875	WOOD (MASONRY)
7	BUTT HINGE	PA876	BRASS
8	DEAD BOLT	PA877	STEEL
9	DOOR FRAME	PA878	WOOD (MASONRY)
10	THRESHOLD (OUTSWING)	PA879	WOOD (MASONRY)
11	THRESHOLD (INSIDE)	PA880	WOOD (MASONRY)
12	DOOR STOP	PA881	WOOD (MASONRY)
13	DOOR STOP	PA882	WOOD (MASONRY)
14	DOOR STOP	PA883	WOOD (MASONRY)
15	DOOR STOP	PA884	WOOD (MASONRY)
16	DOOR STOP	PA885	WOOD (MASONRY)
17	DOOR STOP	PA886	WOOD (MASONRY)
18	DOOR STOP	PA887	WOOD (MASONRY)
19	DOOR STOP	PA888	WOOD (MASONRY)
20	DOOR STOP	PA889	WOOD (MASONRY)
21	DOOR STOP	PA890	WOOD (MASONRY)
22	DOOR STOP	PA891	WOOD (MASONRY)
23	DOOR STOP	PA892	WOOD (MASONRY)
24	DOOR STOP	PA893	WOOD (MASONRY)
25	DOOR STOP	PA894	WOOD (MASONRY)
26	DOOR STOP	PA895	WOOD (MASONRY)
27	DOOR STOP	PA896	WOOD (MASONRY)
28	DOOR STOP	PA897	WOOD (MASONRY)
29	DOOR STOP	PA898	WOOD (MASONRY)
30	DOOR STOP	PA899	WOOD (MASONRY)
31	DOOR STOP	PA900	WOOD (MASONRY)

REVISIONS:

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Maronda Homes

FLORIDA

4005 MARONDA WAY SANFORD, FLORIDA 32759

EXT. DOOR DETAILS

OUT SWING-FIBERGLASS

RELEASE DATE:

02 JUN 2003 09:00:55

SHEET: FD 2