



(SRAC43B) SIERRA-C

FLORIDA BUILDING DATA AND DESIGN CRITERIA

REVISED: 02-08-12

BUILDING DATA

FLORIDA BUILDING CODE 2010 : RESIDENTIAL
FLORIDA BUILDING CODE 2010 : PLUMBING
FLORIDA BUILDING CODE 2010 : MECHANICAL
FLORIDA BUILDING CODE 2010 : FUEL GAS

NATIONAL ELECTRICAL CODE 2008

STRUCTURAL DESIGN PARAMETERS: ASCE 7-10 I PER FRC 2010 : SECTION R301.2.11, DESIGN CRITERIA J

CLASSIFICATION : 2

OCCUPANCY: RESIDENTIAL

BUILDING DESIGN: ENCLOSED

EXPOSURE: B SURFACE ROUGHNESS : B

INTERNAL PRESSURE COEFFICIENT: GCpf = +/- 0.18

RISK CATEGORY II

ONE STORY DESIGN:

BUILDING MEAN ROOF HEIGHT : 15 FEET, MAX.

DESIGN WIND SPEED:

Vult = 160 MPH (FRC 2010, R301.2.1.3)

Vasd = 124 MPH (FRC 2010, R301.2.1.3)

WOOD FRAMING INSPECTION

ALL PLUMBING, ELECTRICAL AND MECHANICAL ROUGH-INS MUST BE COMPLETE, INSPECTED AND APPROVED BEFORE REQUESTING THE FRAMING INSPECTION. (FRC 2010, SECTION R101.3)

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 2010, SECTION R318)

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 2010, SECTION R318.1.8)

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 2010, SECTION R612)

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-BOURNE DEBRIS SHALL MEET THE REQUIREMENTS OF THE LARGE MISSILE TEST OF ASTM E 1996 AND OF ASTM E 1886, SSTD 12, ANSI/DASMA 115 (FOR GARAGE DOORS) OR TAS201, 202 AND 203. (FRC 2010, SECTION R301.2.1.2)

JOB # 9TM03201 LOT 32

DIV: JAX

PRODUCT REL DATE 02-25-10

REVISIONS :



4005 MARONDA WAY
SANFORD, FL 32771
(407) 321-0064

9TM03201
JAX-9TM
LOT 32

FLORIDA:
THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION R301 OF THE FLORIDA BUILDING CODE 2010 : RESIDENTIAL. ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS. EXPOSURE: B, ENCLOSED BUILDING AND RISK CATEGORY II.

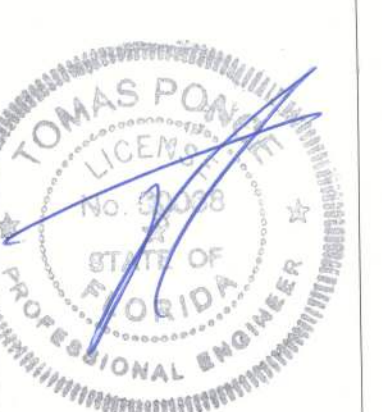
DESIGNED WIND SPEED
Vult = 160 MPH
Vasd = 124 MPH

AMERICANA COVER SHEET

SIERRA

ELEVATION - C

DRAWN BY: SWE GARAGE-RIGHT
RELEASE DATE: 02-01-11



8/6/12
Tomas Ponce, MSCE, PE
FL. P.E. LIC. #50068

SHEET:

0c

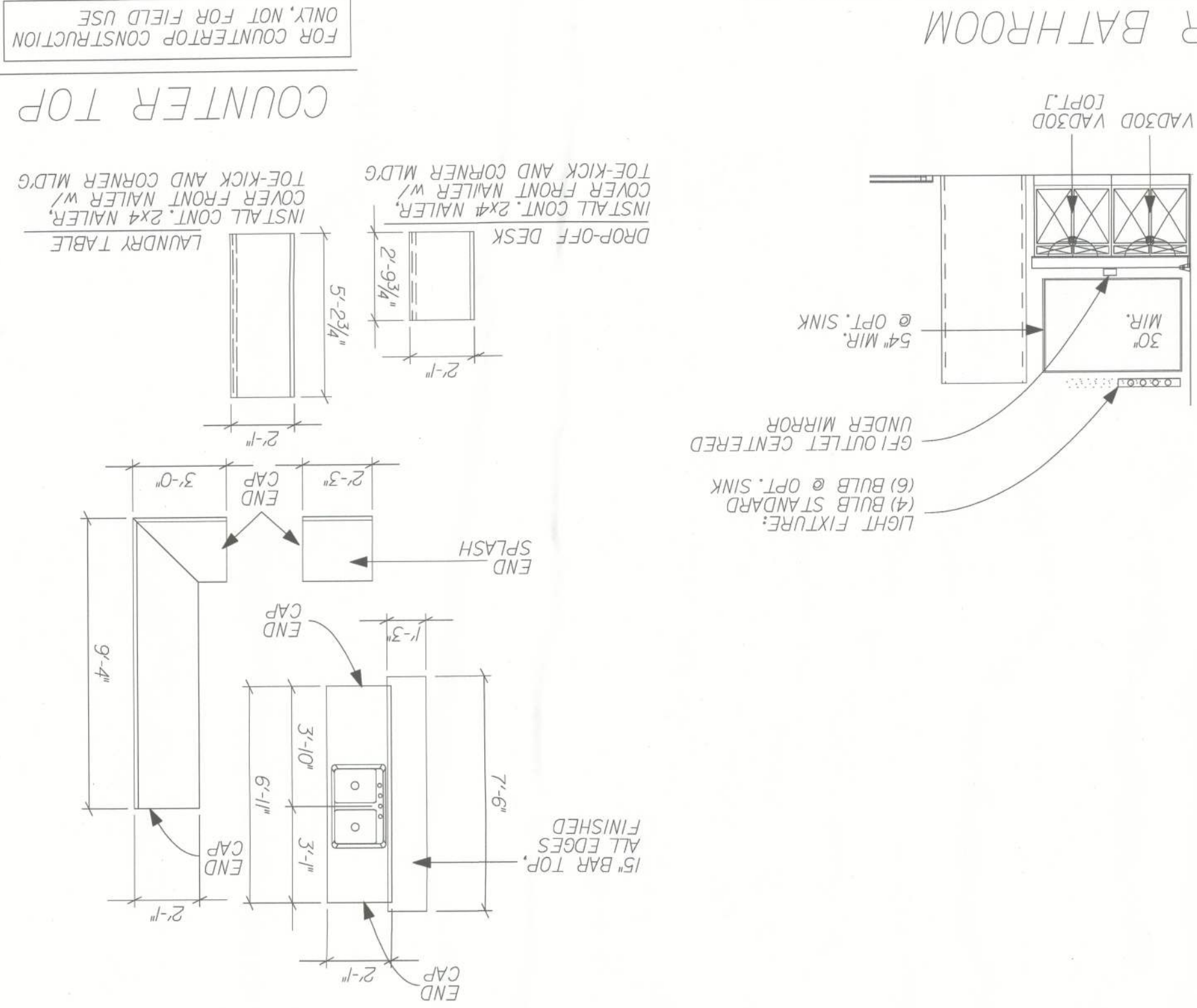
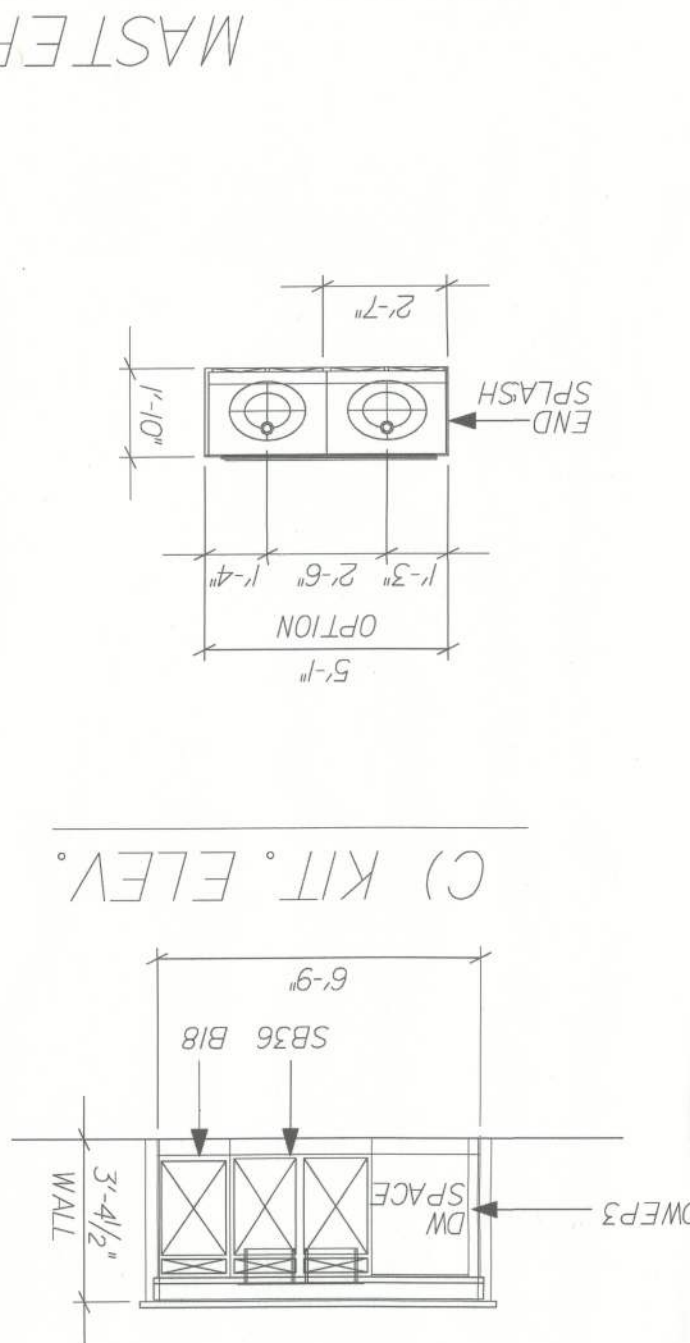
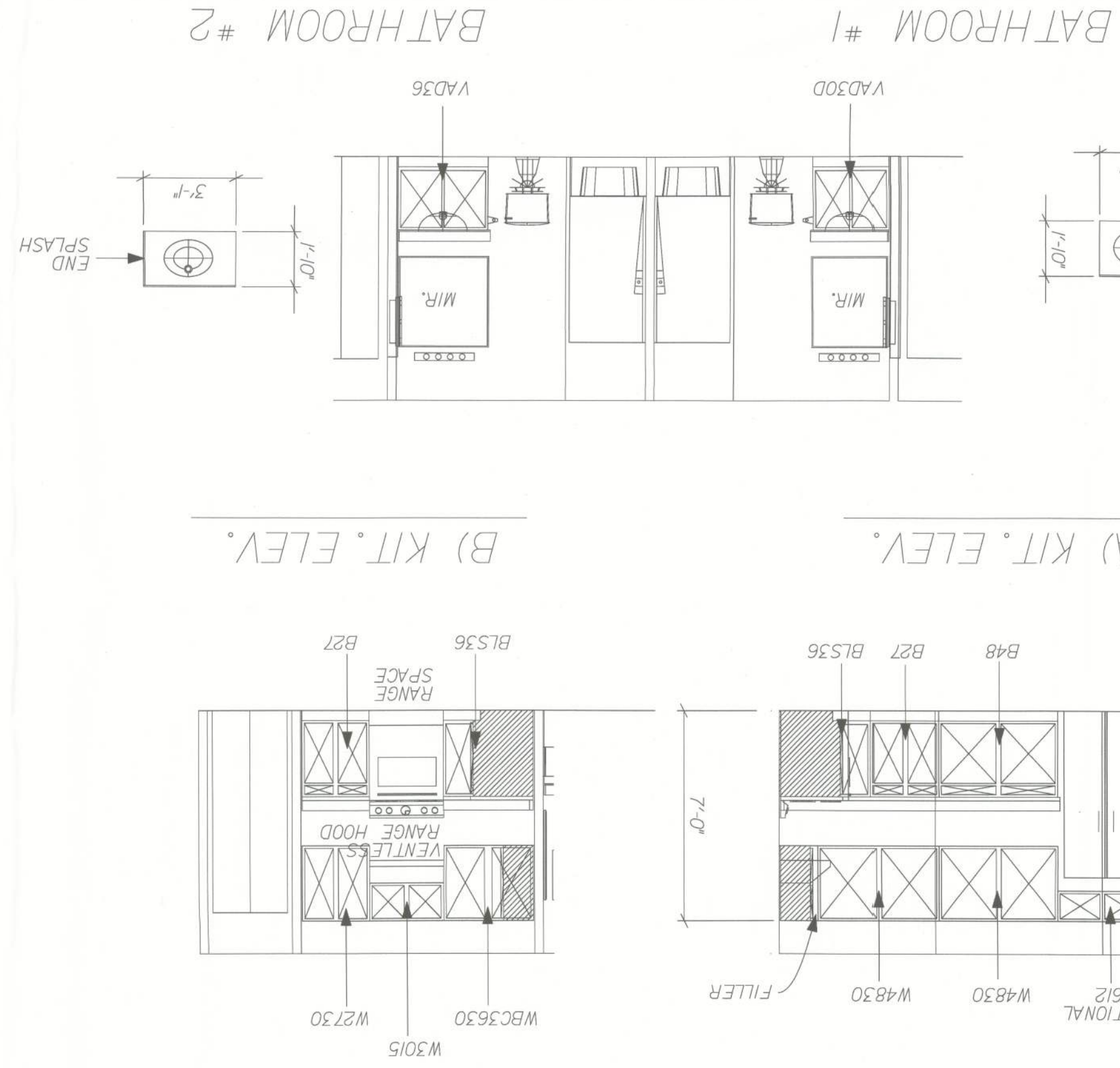
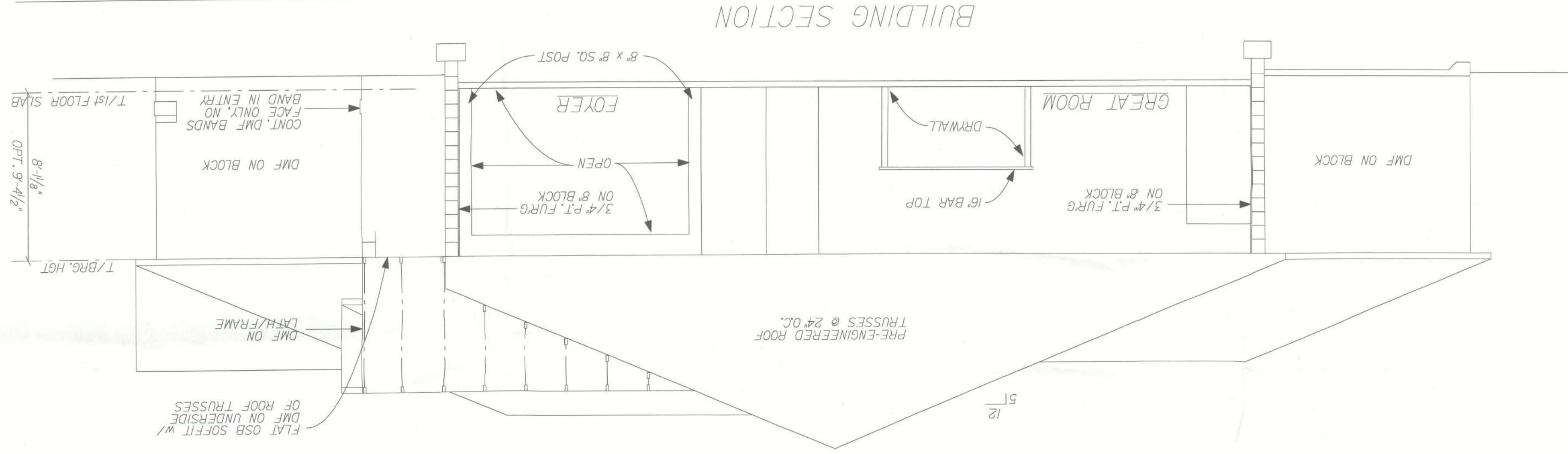
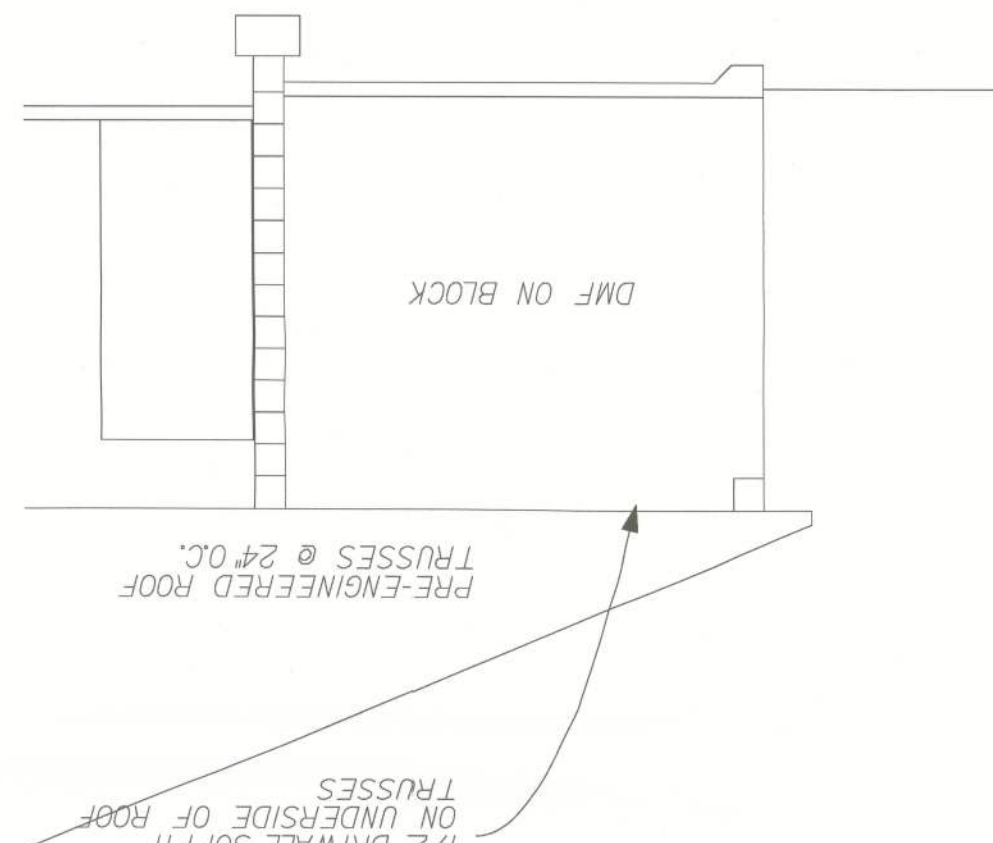
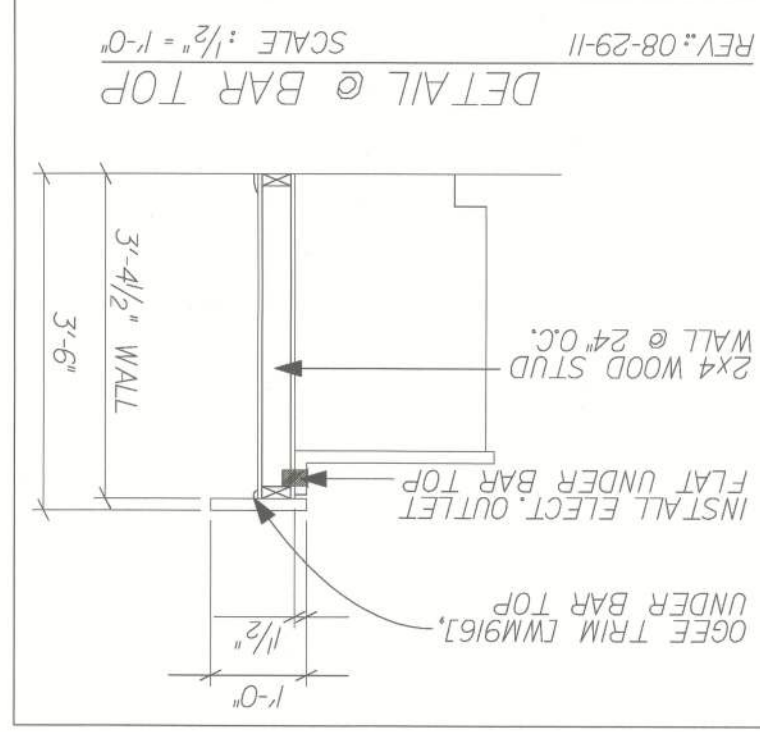
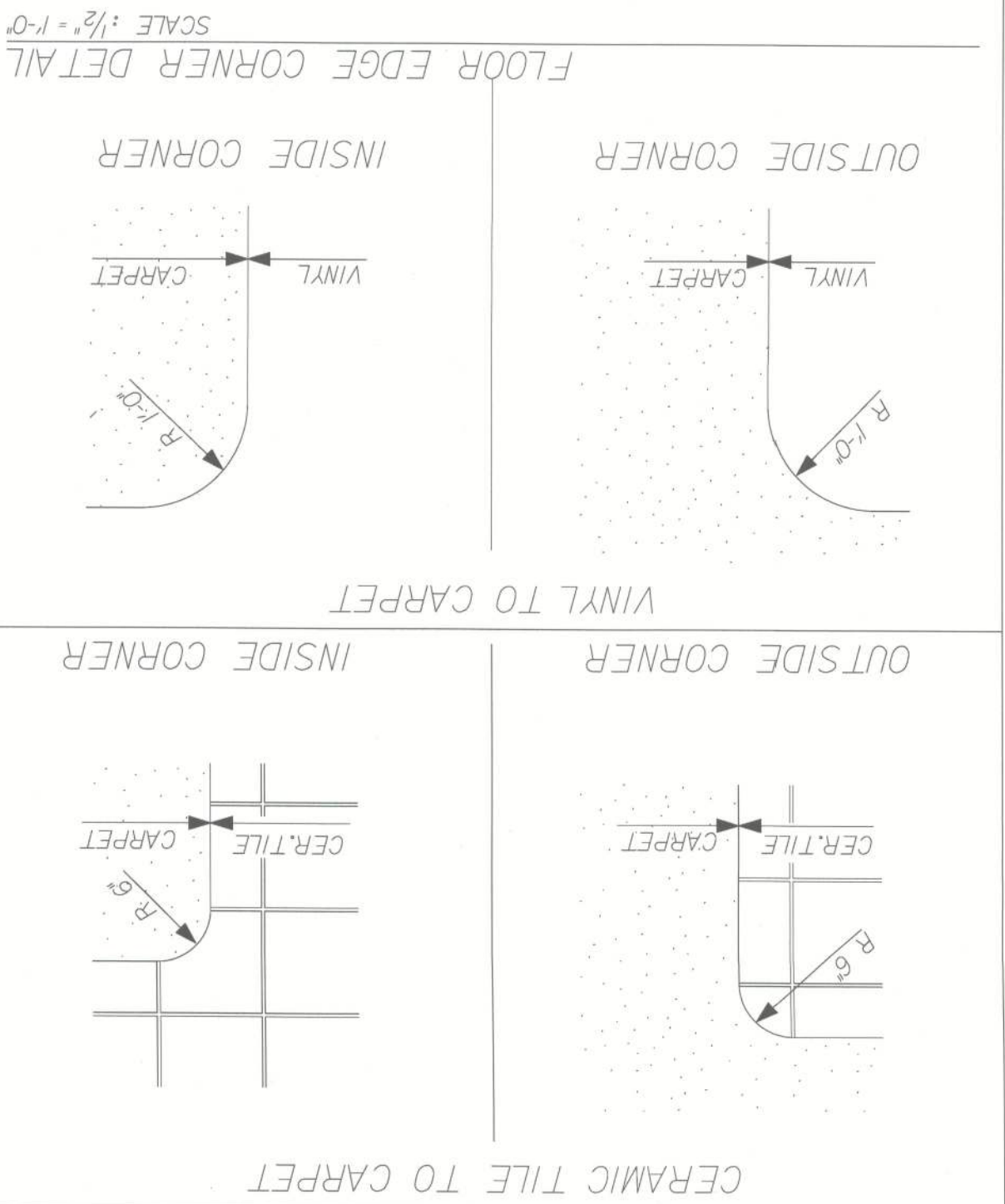
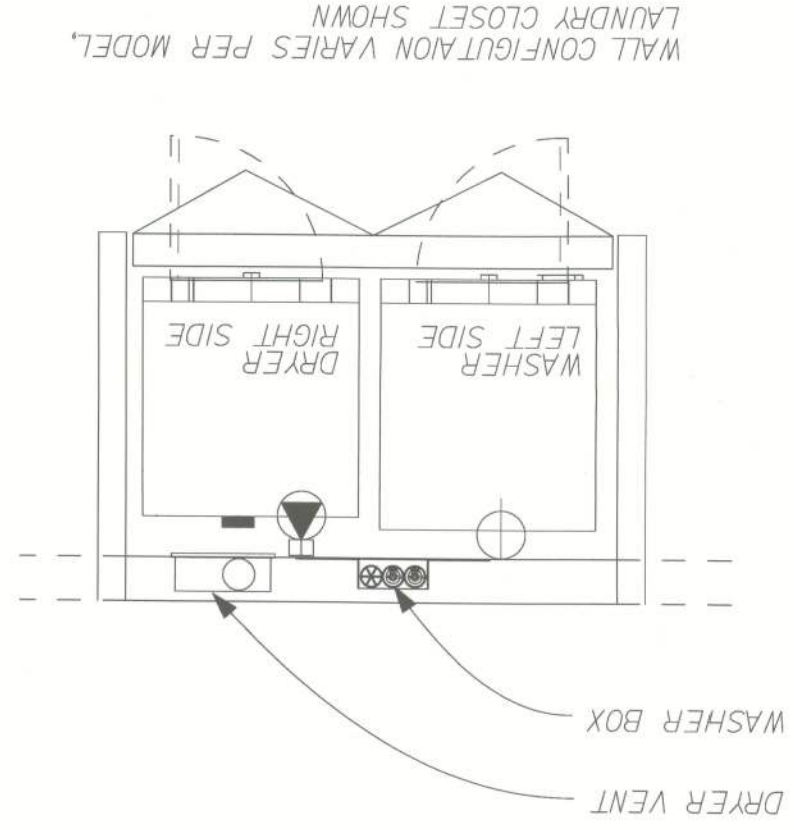
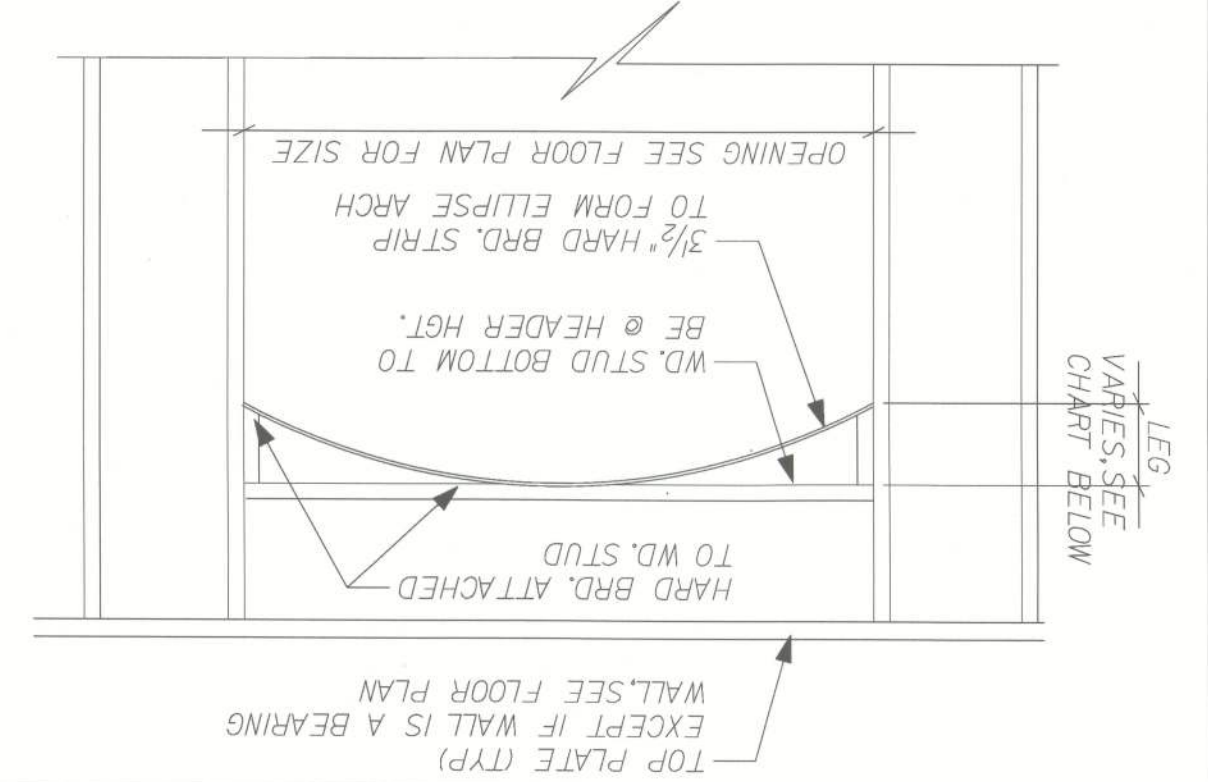
03/15/12 REV. PER 2010 FBC - RESIDENTIAL

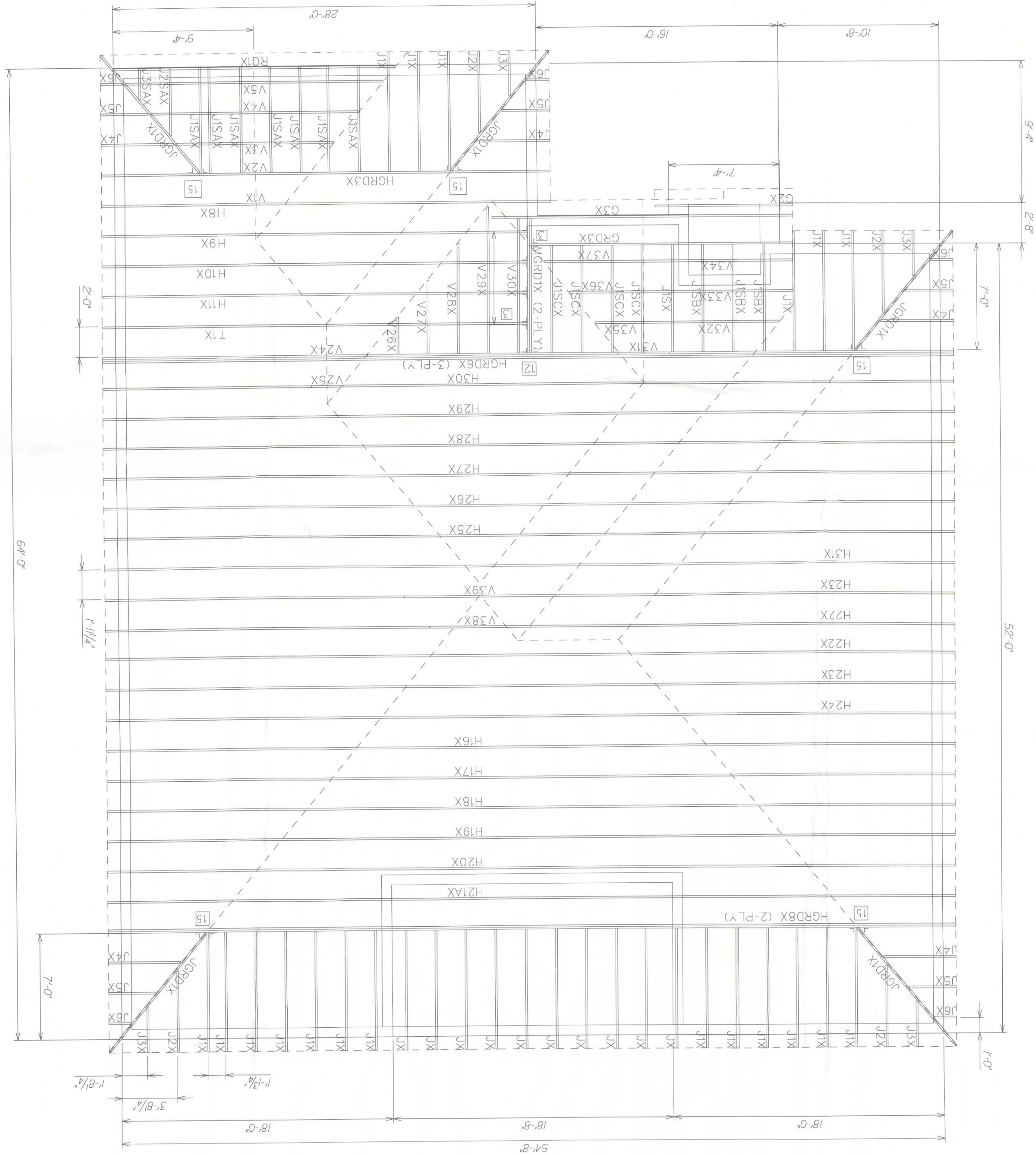
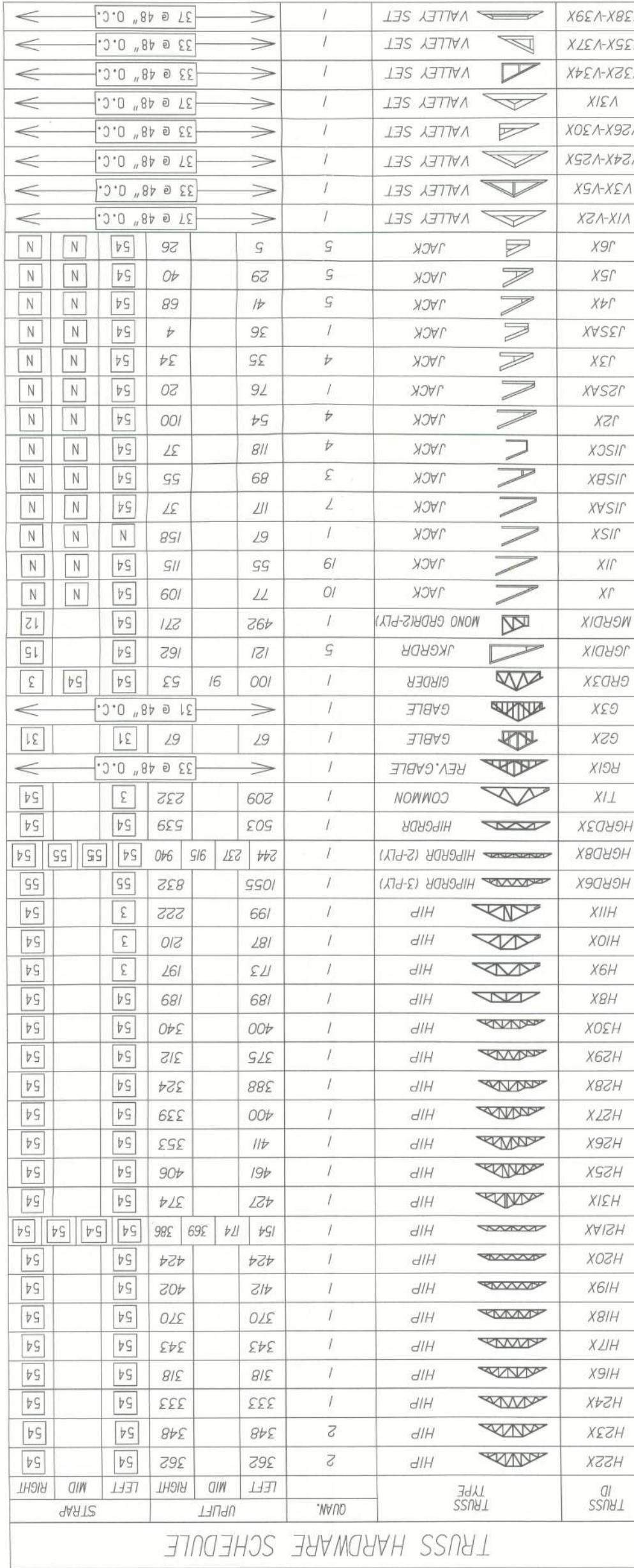
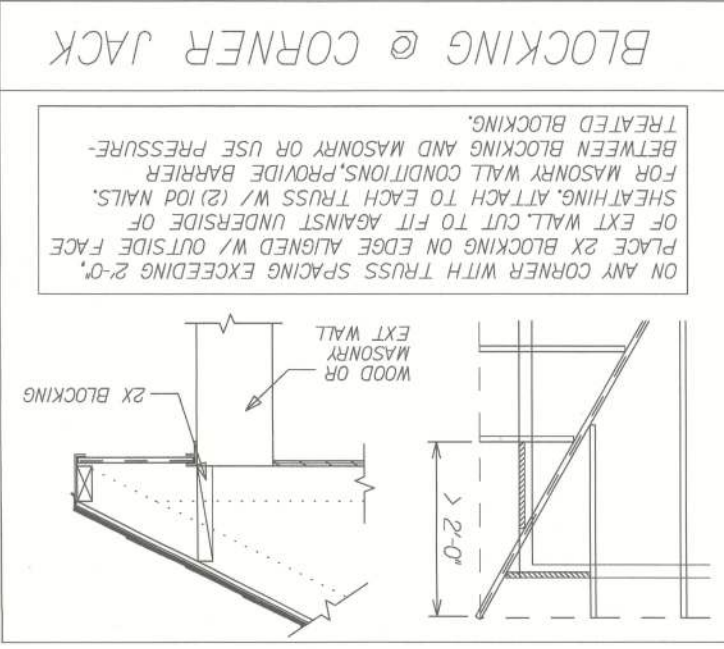
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11:58:32

PLOT DATE: 24 MAY 2012

REV: 01-22-10 - WOOD STUDS
SCALE: 1/2" = 1'-0"



[illegible]

ALL PRESSURES WERE CALCULATED USING
MMFRS/C-C HYBRID WIND ASCE 7-10

GENERAL TRUSS NOTES:

8/6/12
Tomas Ponce MSCE, PE
FL PE, LIC.#50068
SHEET: T R /
FL GSE

AMERICANA	TRUSS INFO
SIERRA ELEVATION "C" W/ PORCH	
DRAWN BY: JMA ORANGE: RIGHT	
RELEASE DATE: 04-06-2010	

FLORIDA
THIS STRUCTURE WAS DESIGNED
IN ACCORDANCE AND MEETS THE
REQUIREMENTS OF SECTION
603.0 OF THE FLORIDA BUILDING
CODE 2010. ALL RESIDENTIAL
CONNECTORS HAVE BEEN CHECKED
TO WITHSTAND AND ALL APPLICABLE
LOADS.
WIND - 160 MPH
LOADS - 125 MPH

Maronda Homes
4005 MARONDA WAY
ANFORD, FL 32771
(407) 321-0064

[illegible][illegible]

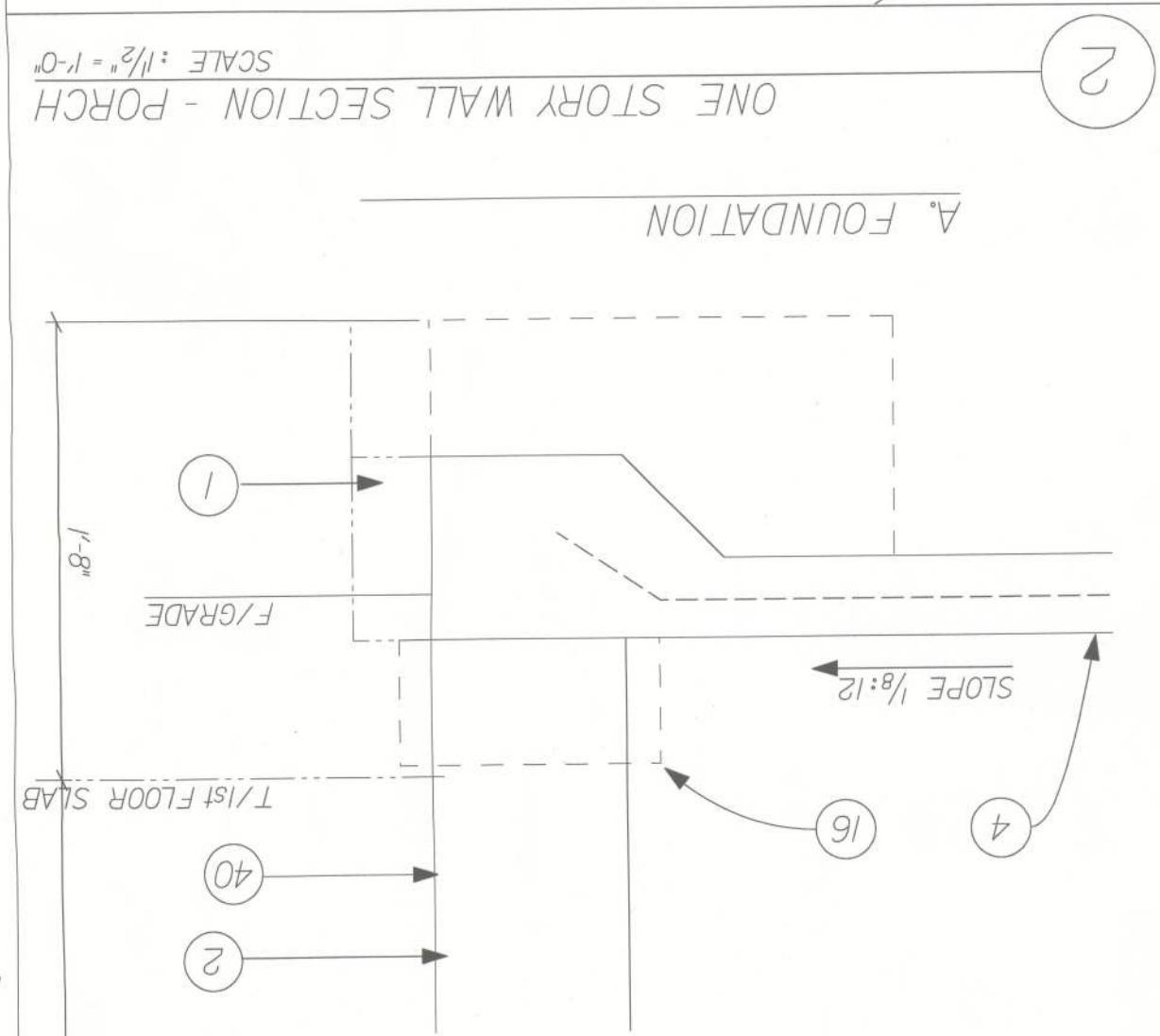
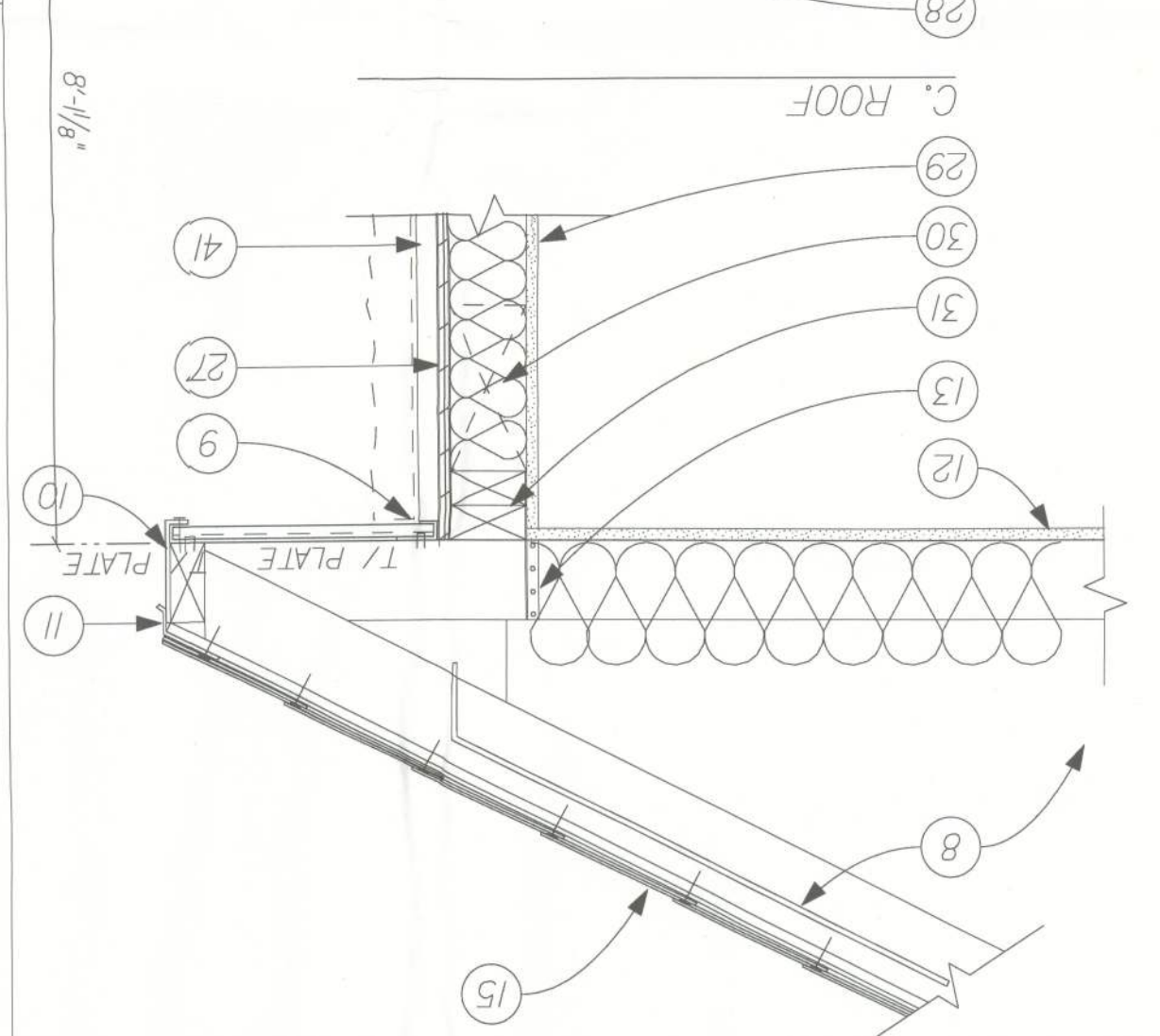
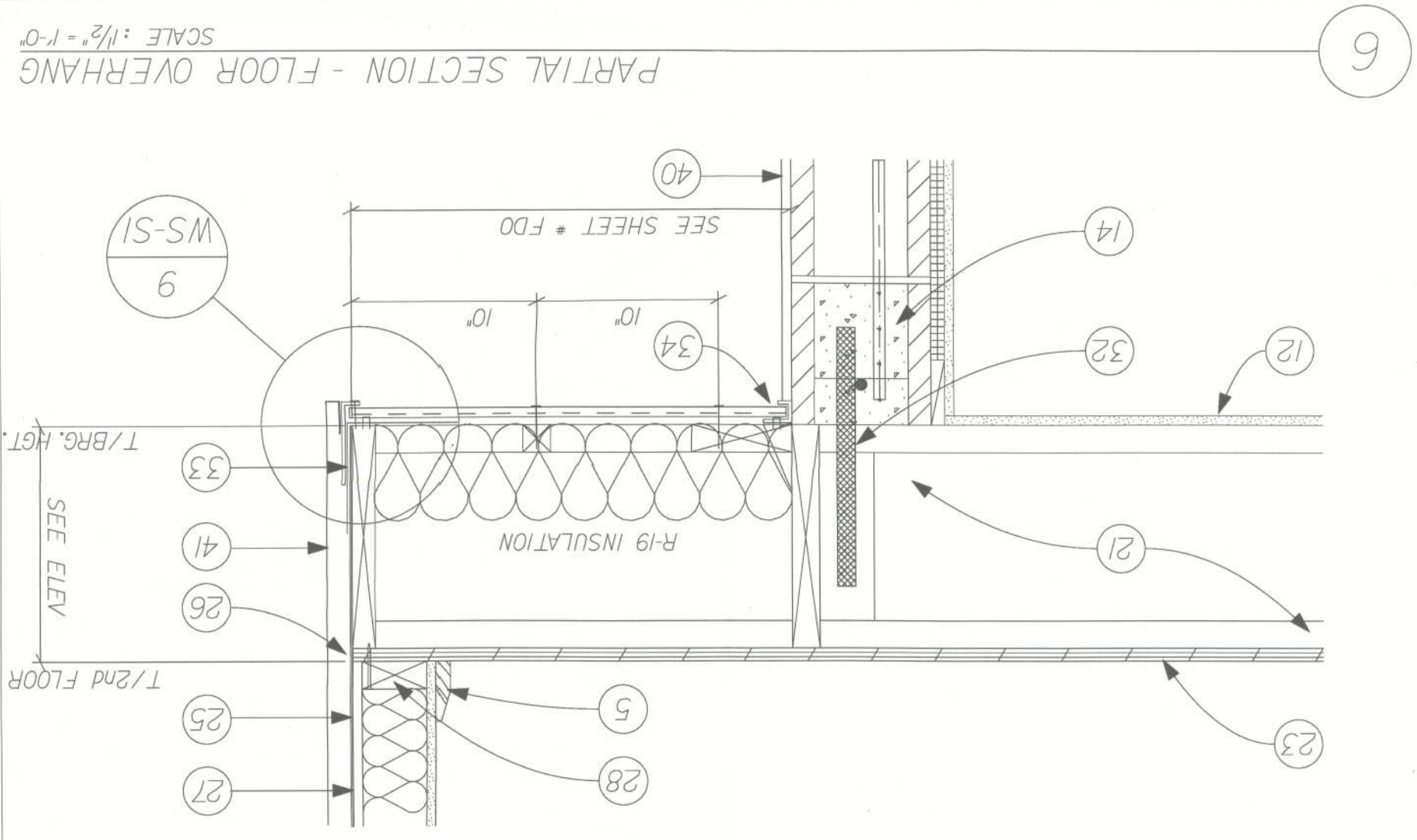
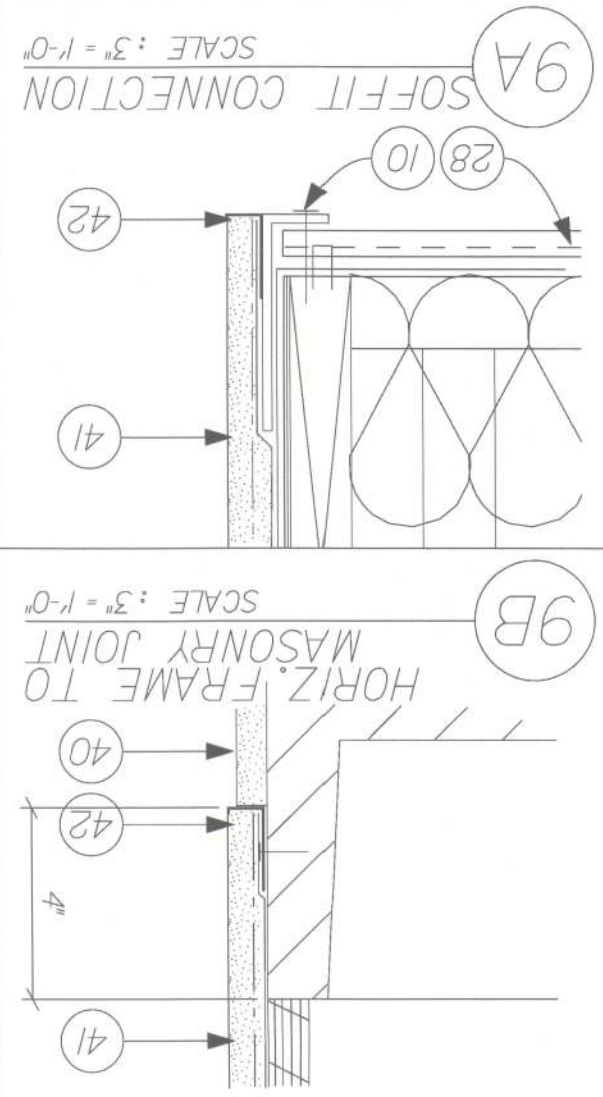
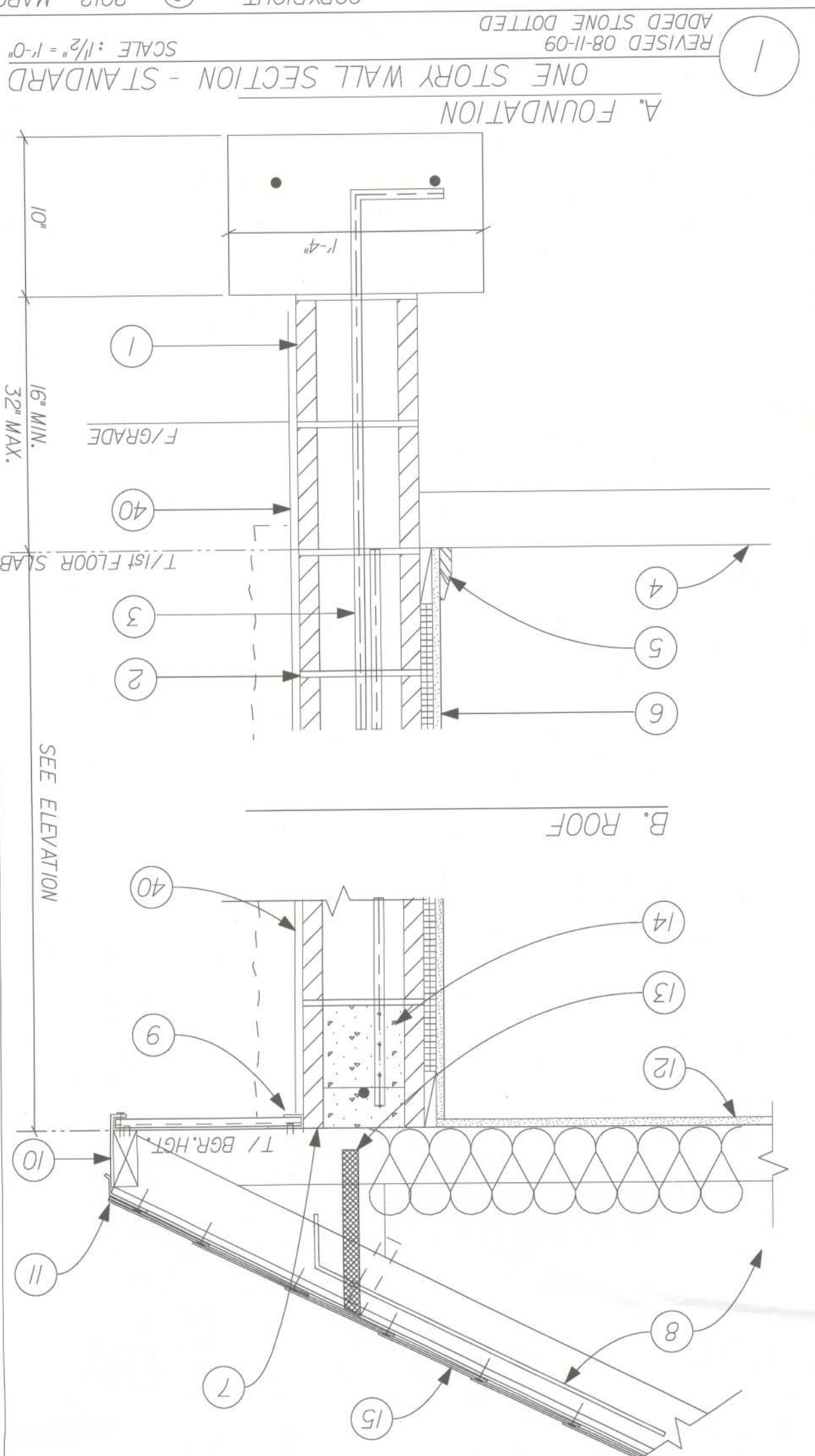
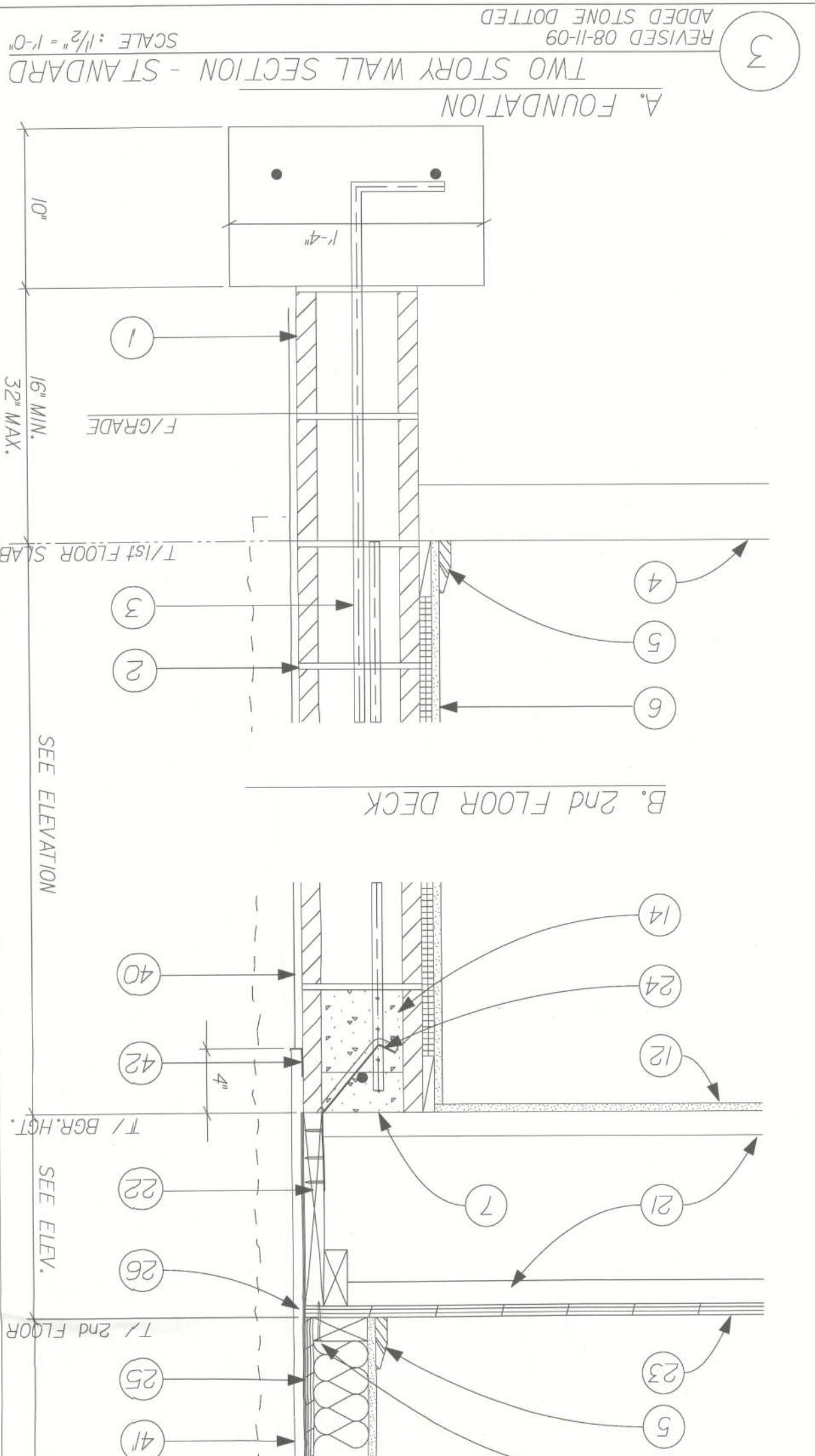
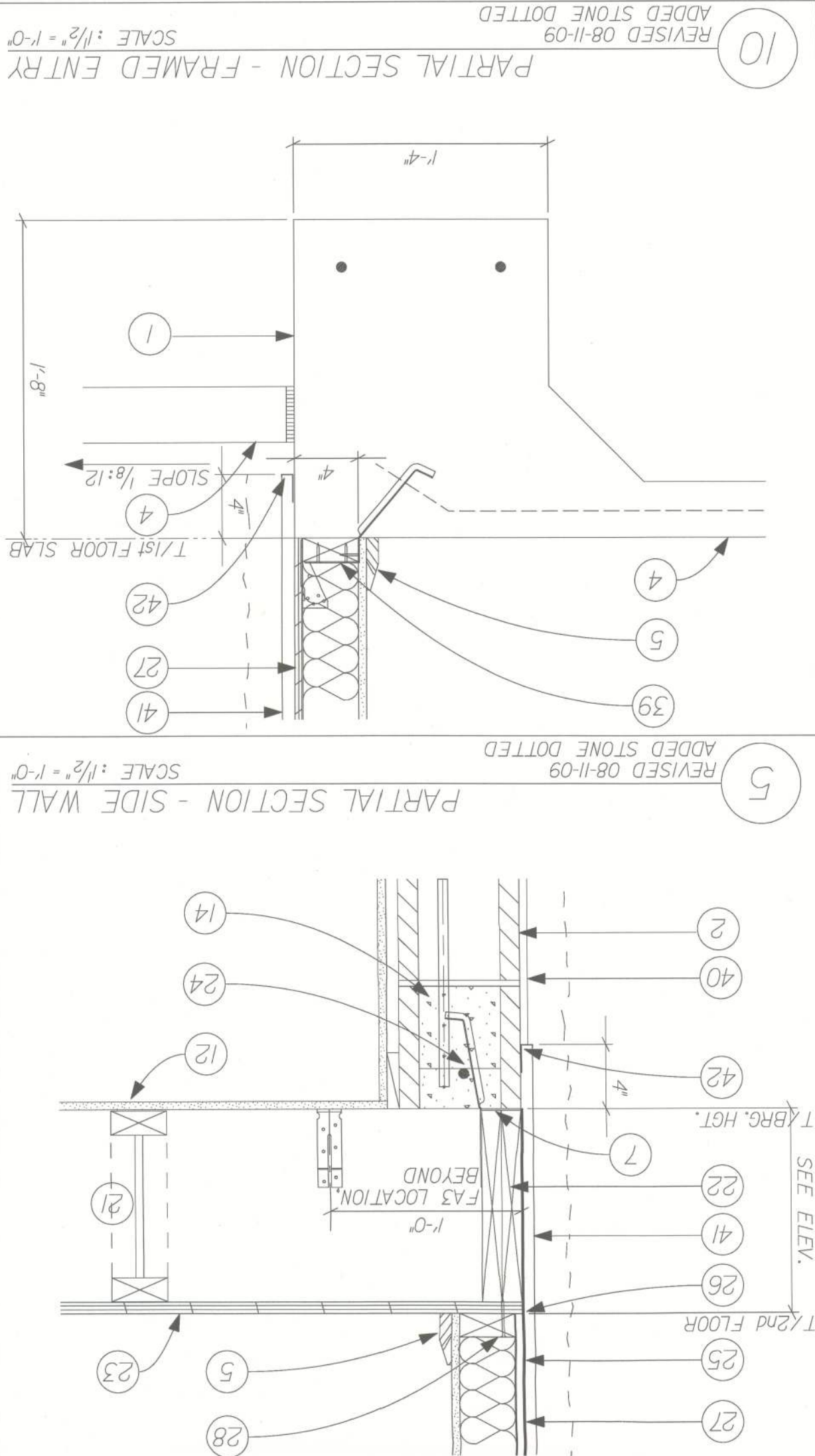
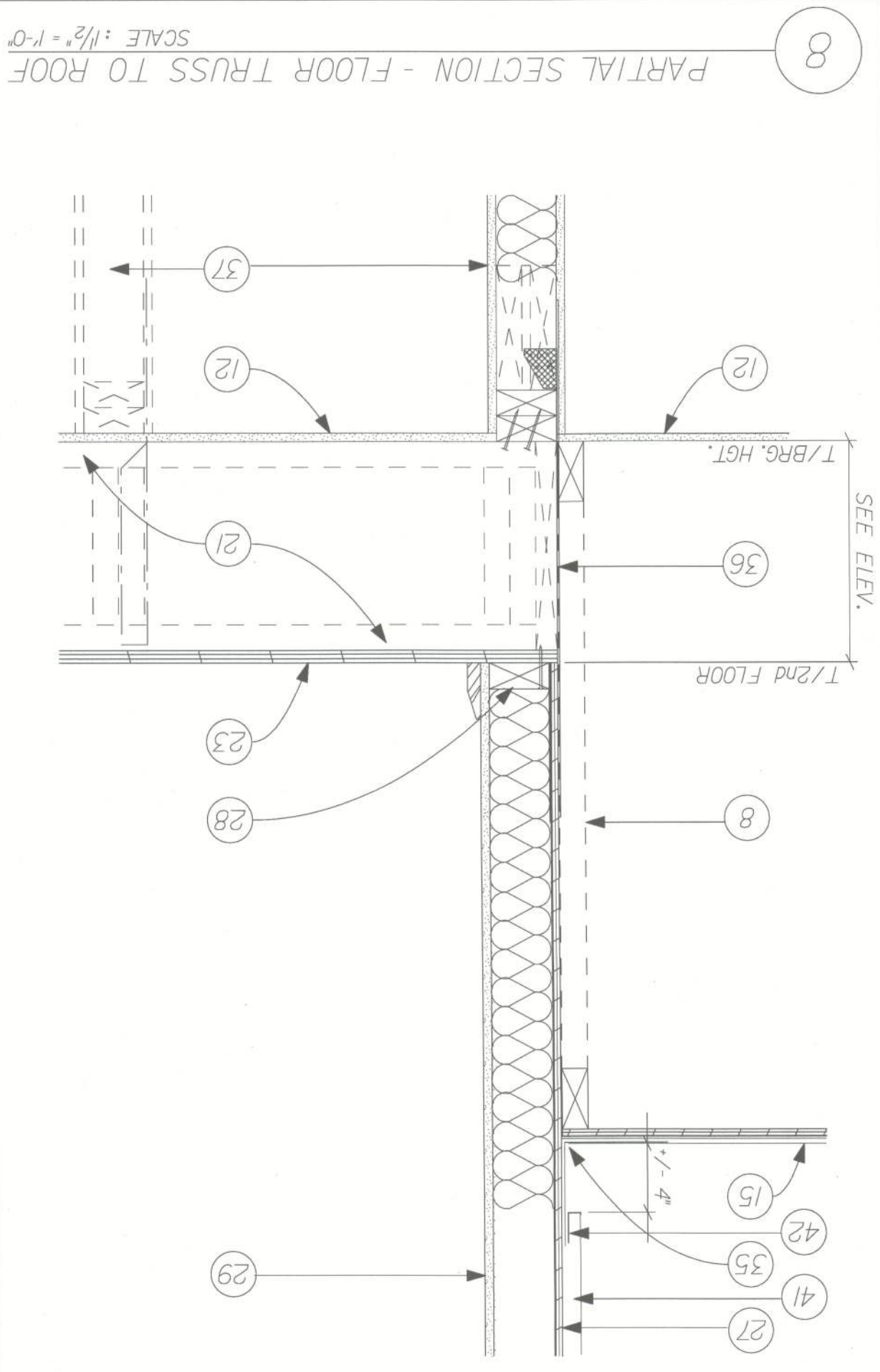


TABLE A

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

FRAME CONST.: ATTACH w/ 7/8" x 3/8" STAPLE @ 16" O.C.

42. HORIZ. CASING BEAD / STUCCO STOP w/ #4 BARRIER MEMBRANE LAP

41. 7/8" MIN. THICKNESS (3 COAT) EXTERIOR MASONRY PLASTER APPLIED OVER PAPERBACK WIRE LATH ON TYRAC OR EQUAL BUILDING WRAP PAPER

40. 1/2" MIN. THICKNESS (2 COAT) EXTERIOR MASONRY PLASTER APPLIED DIRECTLY TO BLOCK / MASONRY. STONE VENEER DOTTED. SEE MANUF. INSTALLATION

39. 2x4 * 2 SYP PT. BOTTOM PLATE w/ R/3A @ EVERY STUD

38. RTJA AT THE BOTTOM OF STUDS @ 16" O.C. PRIOR TO INSTALLATION

37. SHEARWALL ASSEMBLY. SEE FIRST FLOOR PLAN.

36. MSTRAB AT END OF EACH PANEL ADJACENT TO WINDOW OPENINGS AND AT 32" O.C. INSTALL 9' ON FLOOR STUDY AND 9' ON FLOOR ASSEMBLY. ALSO

35. VALLEY FLASHING. AS REQ'D.

34. VENTED SOFFIT AND J-CHANNEL ATTACHED w/ 3/8" x 3/8" STAPLE @ 16" O.C. INTO 2x4 SYP WALKER. INSTALL INTERMED. 2x WALKERS AS SHOWN AND 6" ON UNDERSIDE OF TRUSS.

33. MSTRAB @ END TRUSS AND 48" O.C. INSTALL 6' UP ON RIM BRD.

32. T/4. ATTACH TO FACE OF TRUSS w/ (9) 10d x 1 1/2" NAILS

31. (2) 2x4 * 2 SYP TOP PLATES w/ HURRICANE STRAP. SEE WALL PANEL SHEETS FOR SIZE AND LOCATION FOR STRAPS

30. 2x WOOD HEADER @ OPENING. SEE SECOND FLOOR PLAN FOR SIZE.

29. 1/2" DRYWALL ON 2x4 * 2 SYP WOOD STUDS @ 16" O.C. AND

28. 2x4 SYP BOTTOM PLATE. NAILED w/ 10d NAIL @ 12" O.C. TO RIM BOARD.

27. 7/8" OSB SHEATHING ON EXT. WALLS w/ ALL EDGES BLOCKED

26. MSTRAB @ 6' FROM BUILDING CORNERS AND 72" O.C. MAX. TYPE 1 INSTALLATION w/ (12) 8d NAILS

25. MSTRAB @ BUILDING CORNERS. PANEL ENDS AND 32" O.C. INSTALL 9' ON STUD AND 9' ON WOOD RIM BOARD w/ (14) 10d x 1 1/2" NAILS

24. FAS. ATTACH w/ (6) 10d x 1 1/2" NAILS. INTO INSIDE FACE OF RIM BOARDS. FOR LOCATIONS. SEE SECOND FLOOR FRAMING PLAN

23. 3/4" T&G WOOD DECKING. GLUED AND ATTACHED w/ 7d x 2 1/4" SCREW SHANK NAIL @ 4" O.C. EDGES AND 8" O.C. FIELD OR 16ga x 1 1/2" STAPLE @ 2" O.C. EDGES AND 4" O.C. FIELD.

22. WOOD RIM BOARD. SEE TABLE * A FOR ATTACHMENT.

21. PRE-ENGINEERED WOOD I-JOIST or FLOOR TRUSS @ 24" O.C. MAX. SEE SECOND FLOOR FRAMING PLAN

17. PLAT 7/8" OSB SOFFIT w/ 8d NAILS @ 6" O.C. EDGES AND 4" O.C. FIELD. w/ EXT. MAS. PLASTER ON UNDERSIDE OF ROOF TRUSSES

16. PIER BASE AND CAP TRIM. SEE EXTERIOR ELEVATIONS

15. FELT PAPER. ASTM D 226 TYPE 1 or ASTM D 4869 TYPE 1. OVER SHEATHING TEMPORARILY FASTENED. LAPPED 2"

14. 8" CONCRETE UNITEL BLOCK w/ (1) #5 REBAR w/ STD. HOOK

13. ROOF TRUSS ANCHORS. SEE ROOF TRUSS INFO SHEET * TRI

12. 1/2" CEILING BOARD w/ R-30 INSUL. AS REQ'D

11. METAL DRIP EDGE

10. ALUM. FASCIA ON 2x4 SUB-FASCIA. 1 1/4" SS TRIM NAIL THRU FASCIA. SOFFIT AND INTO SUB-FASCIA @ 48" O.C.

9. VENTED SOFFIT AND J-CHANNEL. STAPLE. SOFFIT TO SUB-FASCIA @ 8" O.C. FRAME CONST.: ATTACH J-CHANNEL w/ 3/8" x 3/8" STAPLE AT 24" O.C. INTO ROOF TRUSS.

8. PRE-ENGINEERED ROOF TRUSSES @ 24" O.C. MAX. R-30 INSULATION w/ OPEN BATT-FILL @ A/C SPACE LOCATIONS

7. SILL SEAL OR SELF-HEALING PLATES

6. 1/2" DRYWALL ON 3/4" PT. FURG @ 24" O.C. w/ R/4 FOIL INSULATION

5. WOOD BASE

4. CONCRETE SLAB

3. (1) #5 REBAR (GRADE 40) GROUTED SOLID IN A FILLED CELL. CONT. FROM FOOTING TO BOND BEAM.

2. 8" CONCRETE BLOCK WALL.

1. BLOCK STEINWALL AND CONCRETE FOUNDATION. SEE FOUNDATION PLAN.

WALL SECTION KEY NOTES

REVISED 02/16/12: NOTE *12.21.30

FL 05E

WS-SI

SHEET:

8/16/12

FL PE, LIC. #50068

TOMAS Ponce MSCE, PE

120225

RELEASE DATE: 02-03-10

DRAWN BY: SWE

CHECKED BY:

WALL SECTIONS [STJ]

DESIGNED WIND SPEED

160 MPH

124 MPH

LOADS EXPOSURE B. ENCLOSED

TO WITHSTAND ALL REPLICABLE

CONNECTIONS HAVE BEEN CHECKED

IN ACCORDANCE WITH THE

REQUIREMENTS OF SECTION

603 OF THE FLORIDA BUILDING

CODE 2007

THIS STRUCTURE WAS DESIGNED

FOR THE FLORIDA BUILDING

CODE 2007

FLORIDA

4005 MARONDA WAY

SANFORD, FL 32771

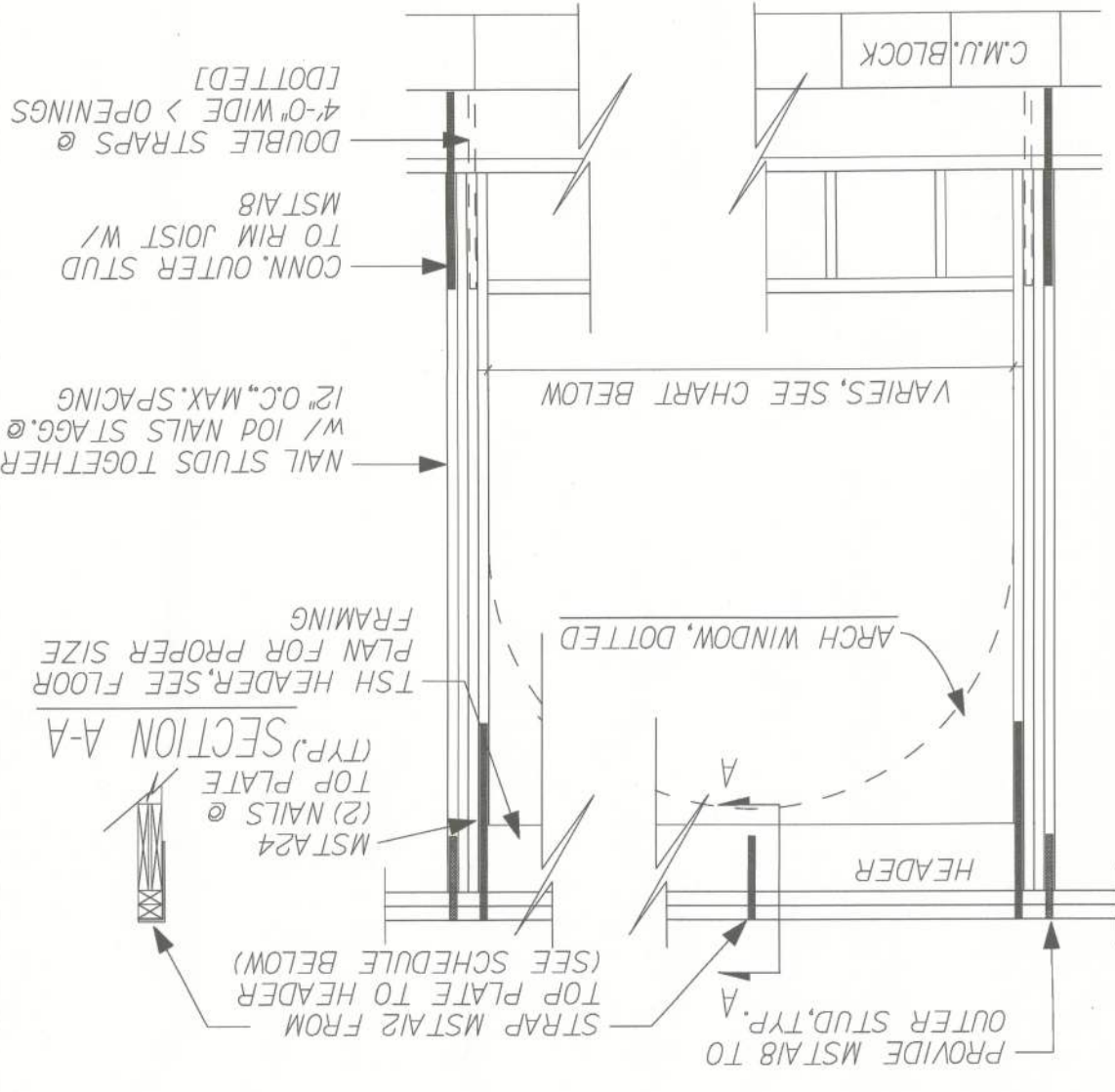
(407) 321-0064

REVISIONS:

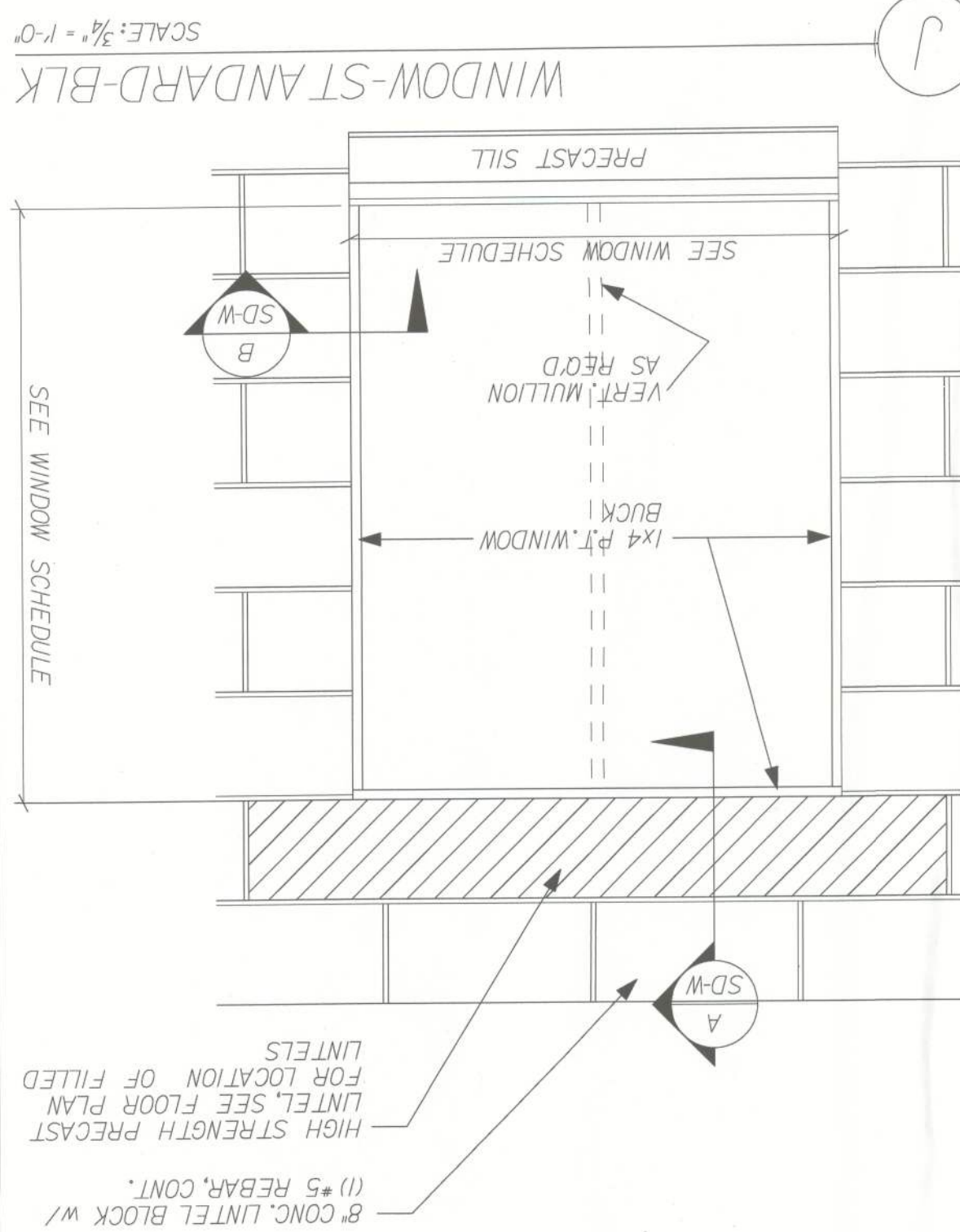
07/16/12 REV. NOTE * 21

03/15/12 REV. PER 2010 FBC - RESIDENTIAL

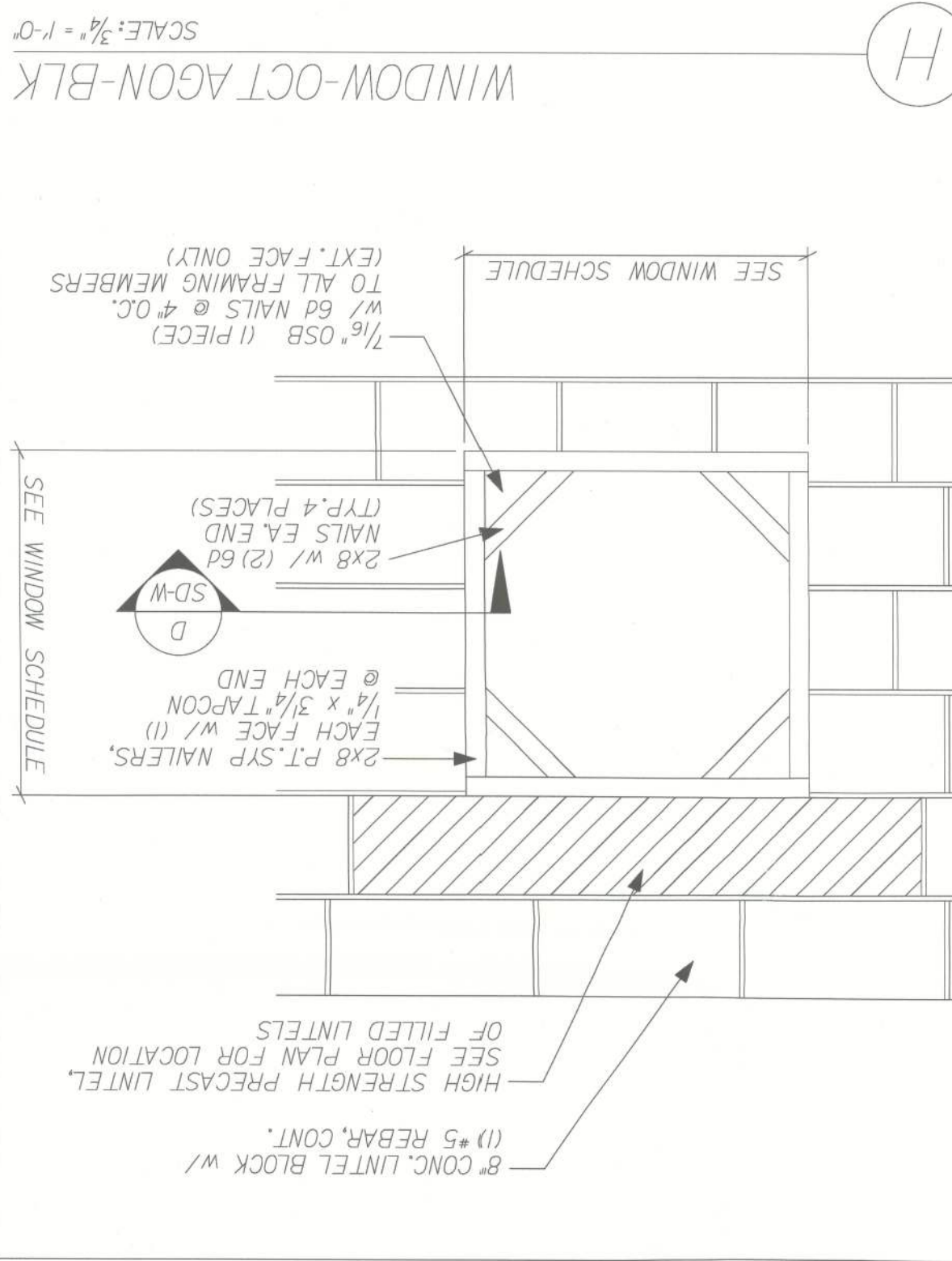
EXTERIOR DOORS/WINDOWS:	
AND NUMBER OF FASTENERS PER WINDOW/DOOR	
WINDOW TYPE	SIZE
IH2 SH	26'0" x 26'
IH3 SH	26'0" x 36'0"
IH4 SH	26'0" x 50'0"
IH5 SH	26'0" x 63'
23 SH	37'0" x 36'0"
24 SH	37'0" x 50'0"
25 SH	37'0" x 63'
35 SH	53'0" x 63'
2 - 25 SH	74'0" x 63'



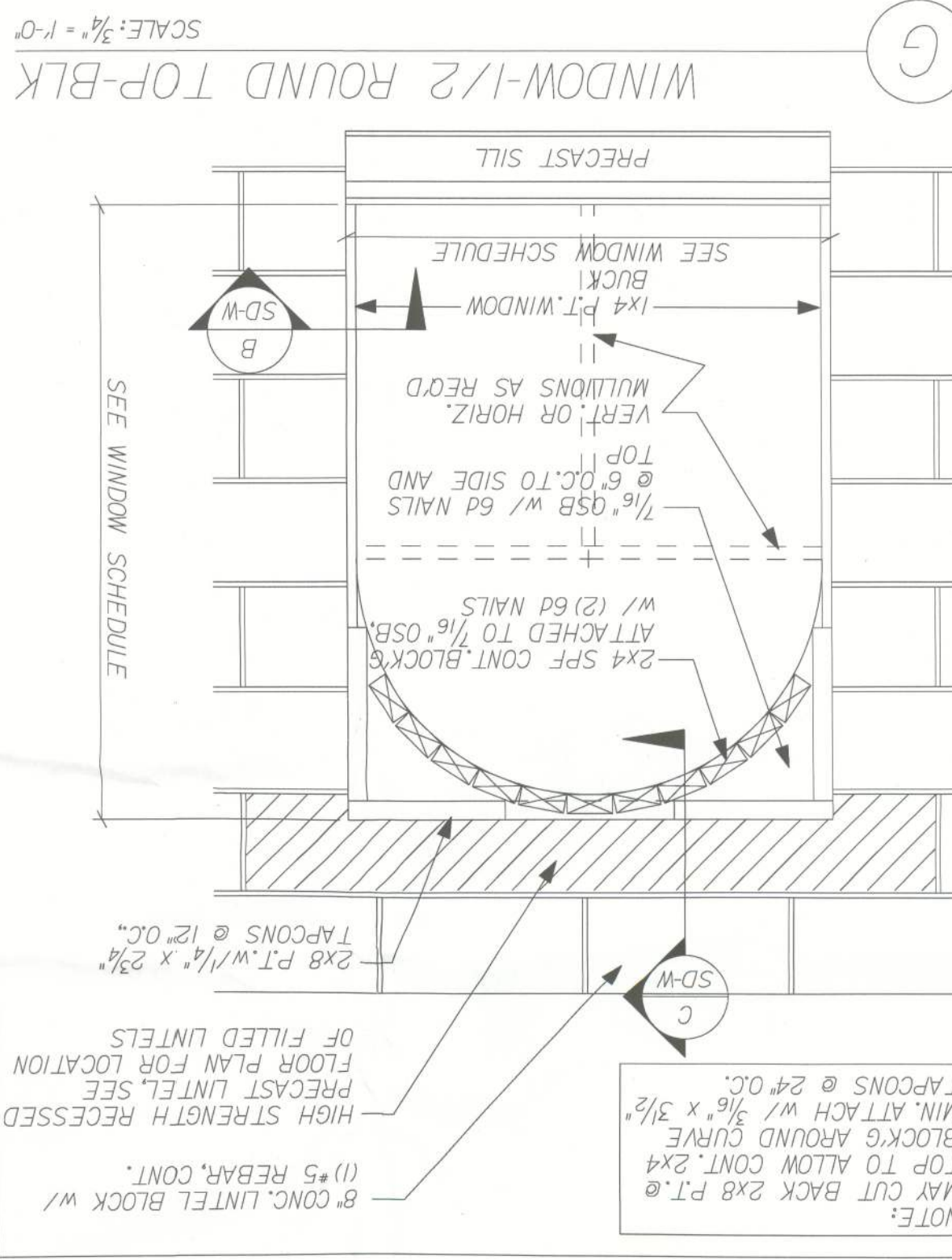
K TYP. HEADER DETAIL-2ND FLOOR FRAMING
SCALE: N.T.S.
REVISED 03-30-11: DELETED CHART



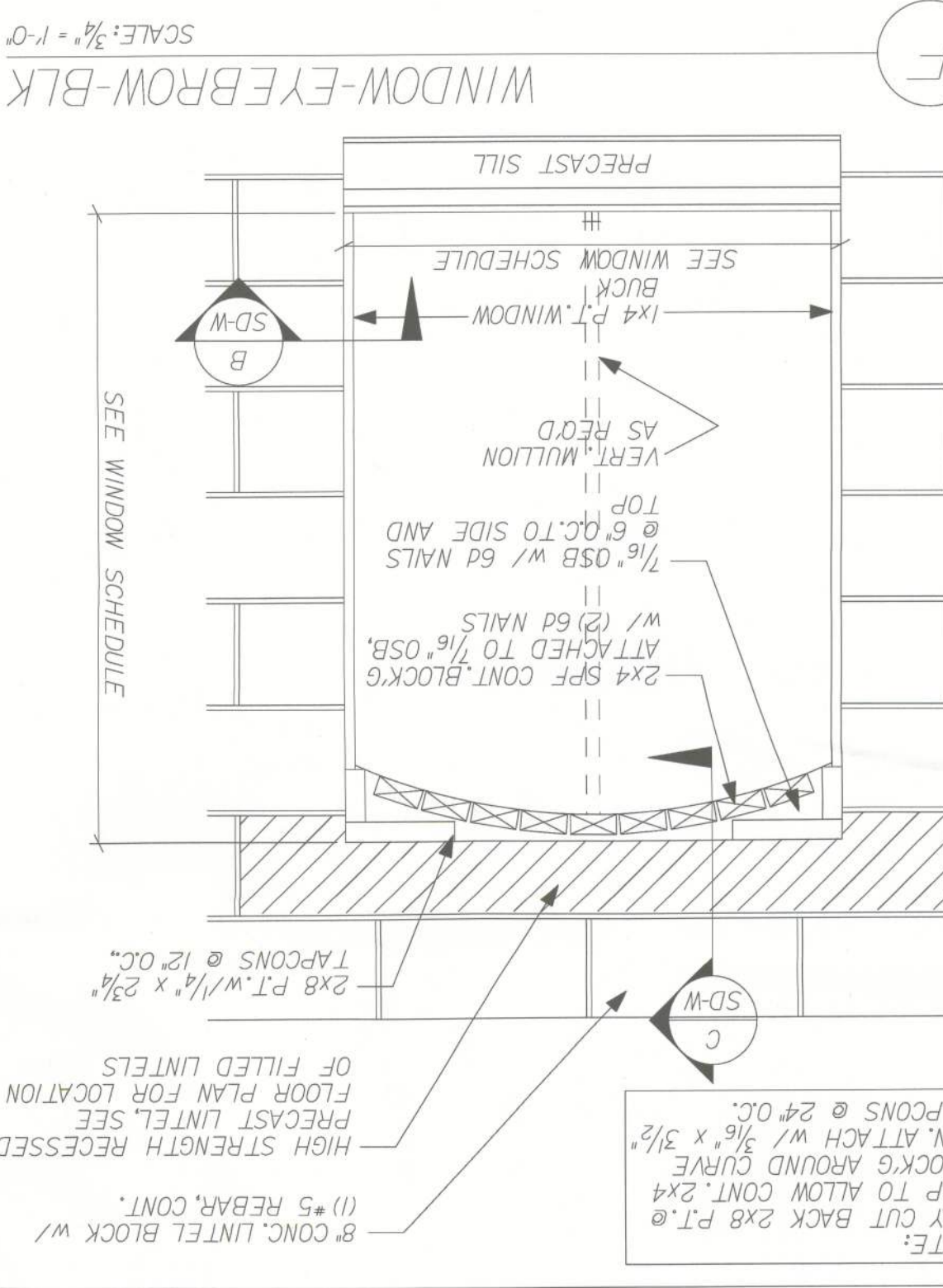
J WINDOW-STANDARD-BLK
SCALE: 3/4" = 1'-0"



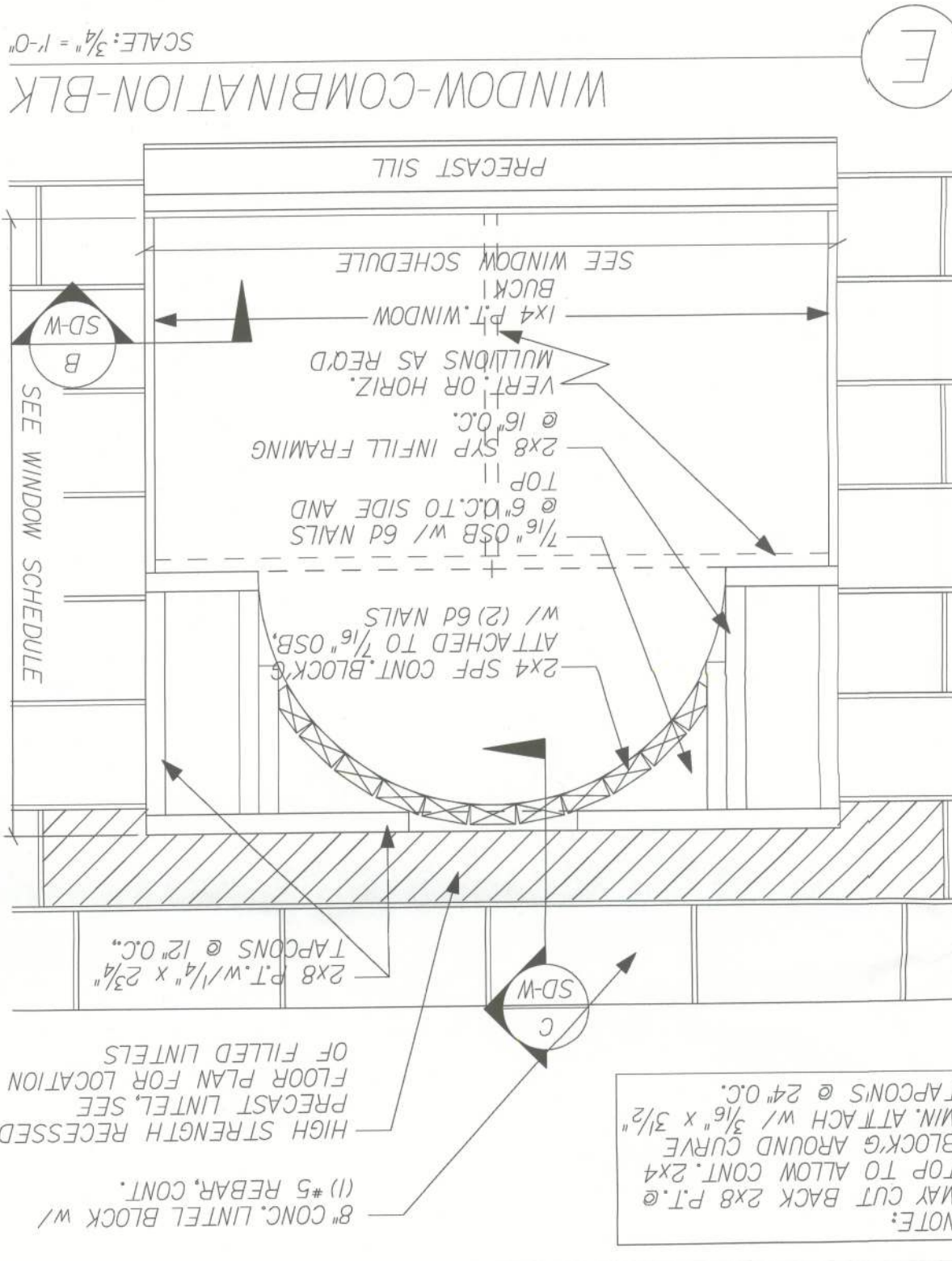
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SCALE: 3/4" = 1'-0"



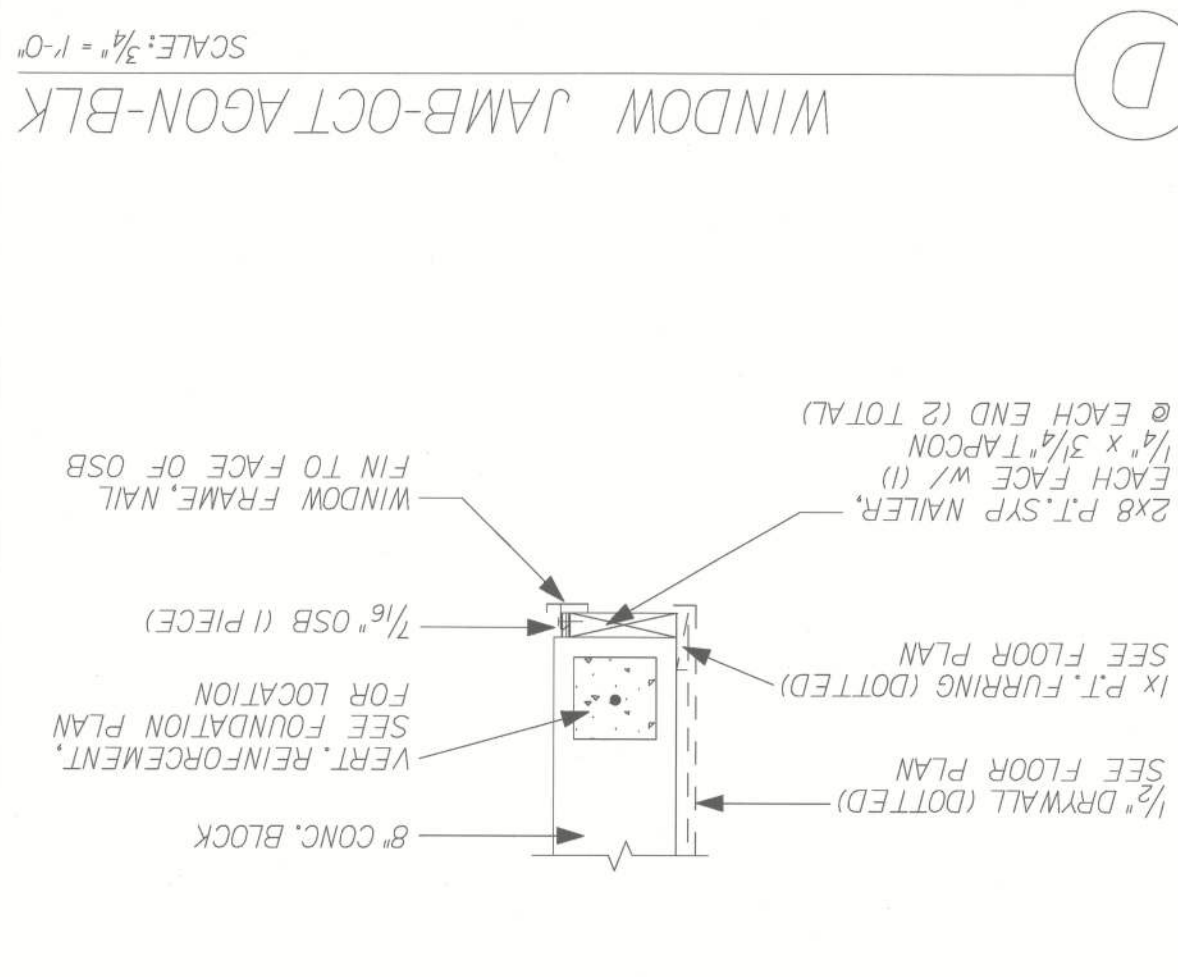
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SCALE: 3/4" = 1'-0"



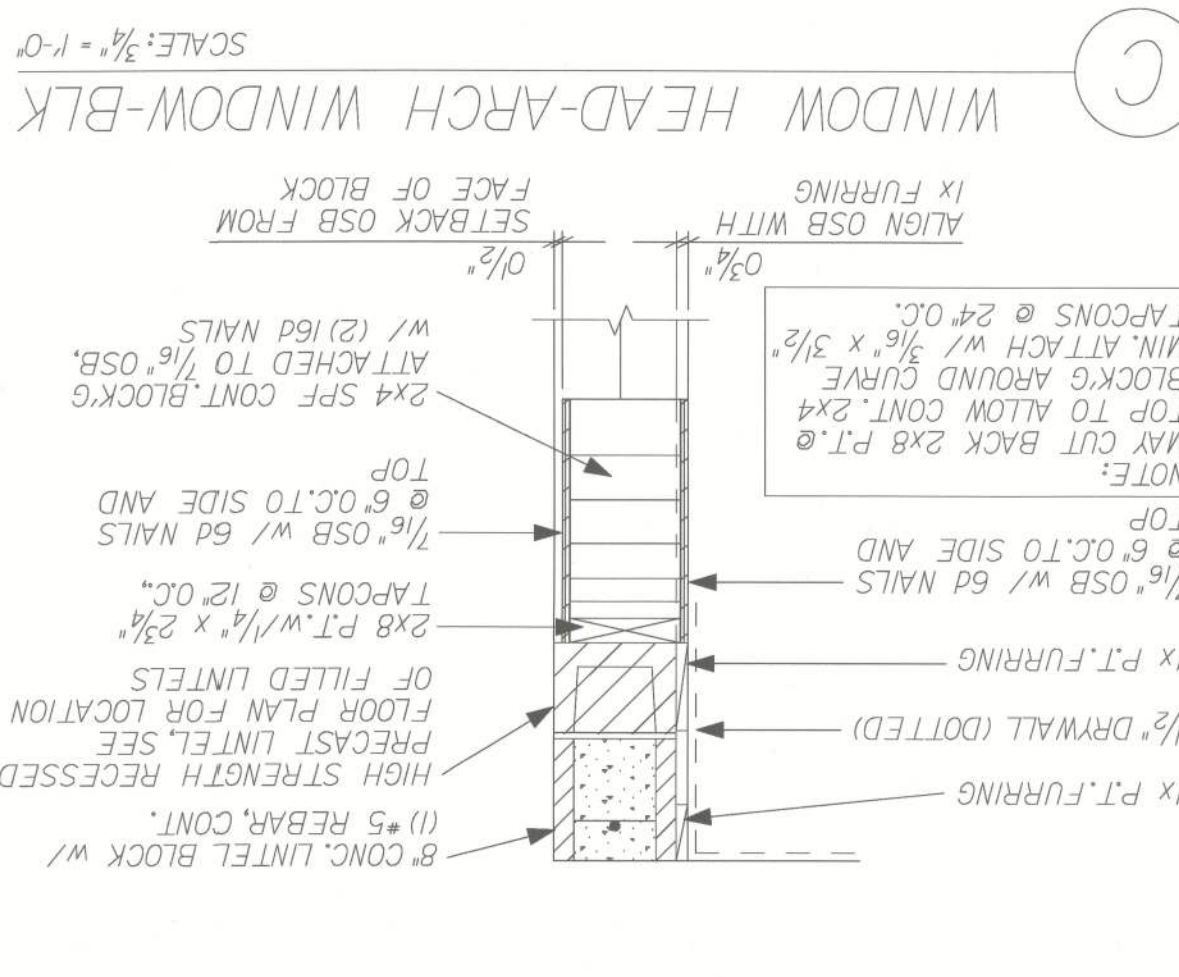
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SCALE: 3/4" = 1'-0"



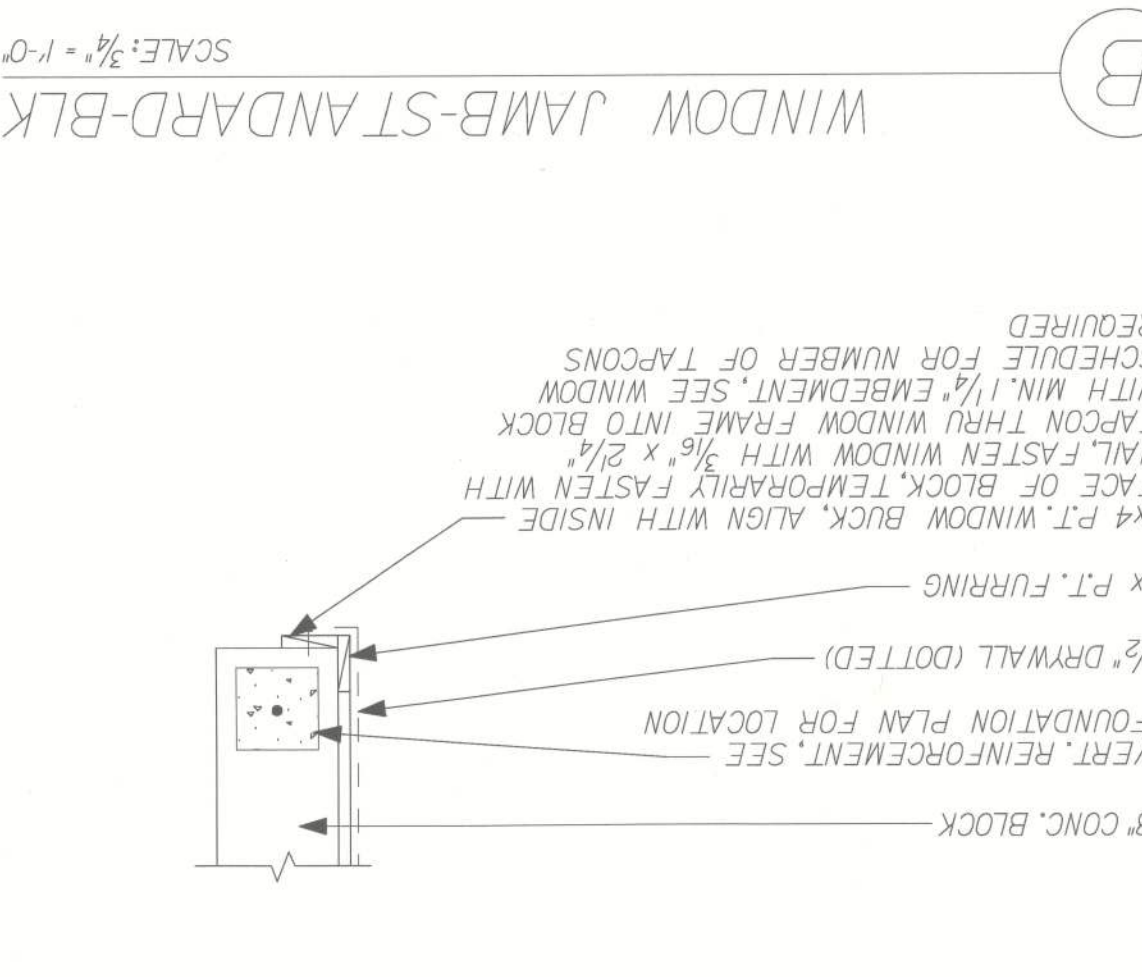
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SCALE: 3/4" = 1'-0"



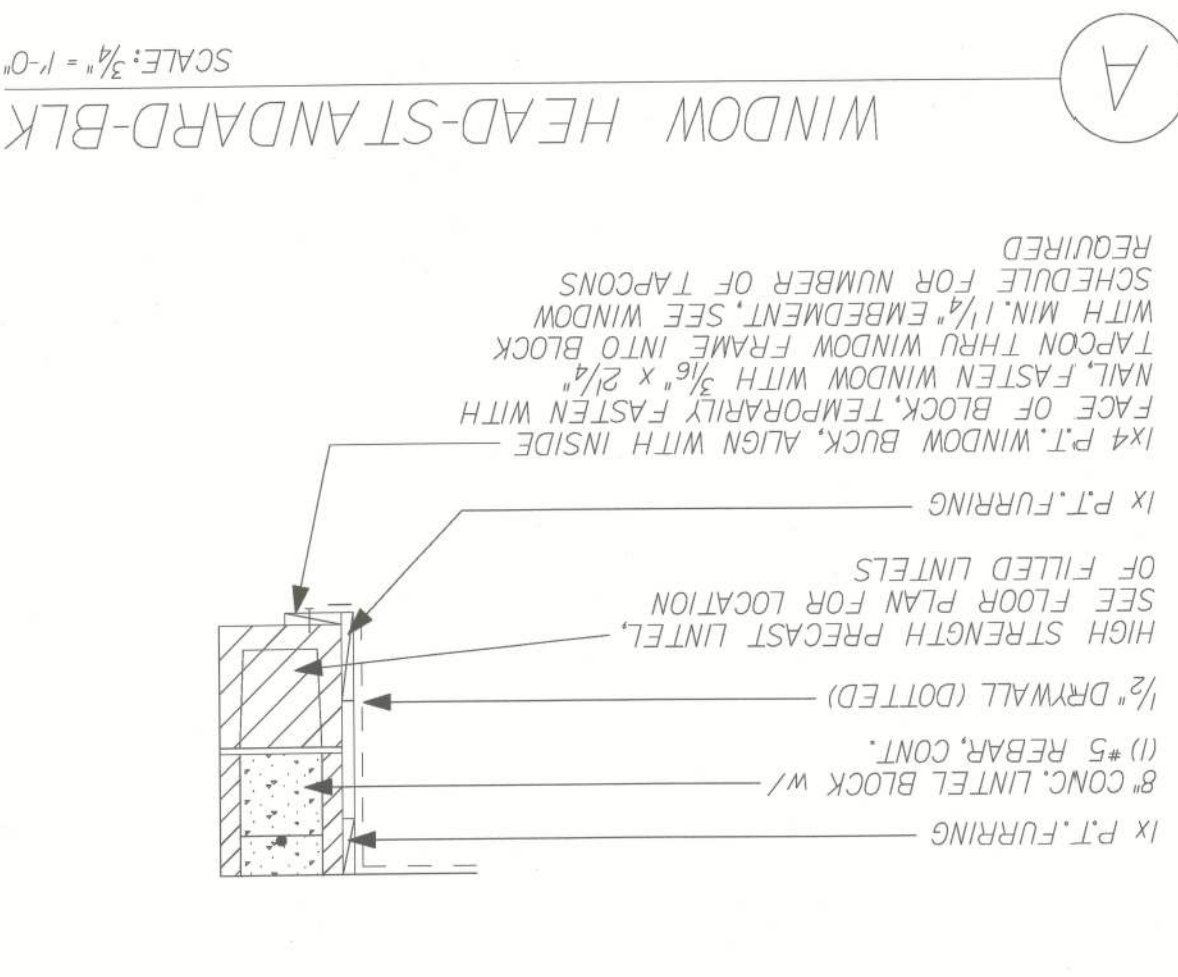
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SCALE: 3/4" = 1'-0"



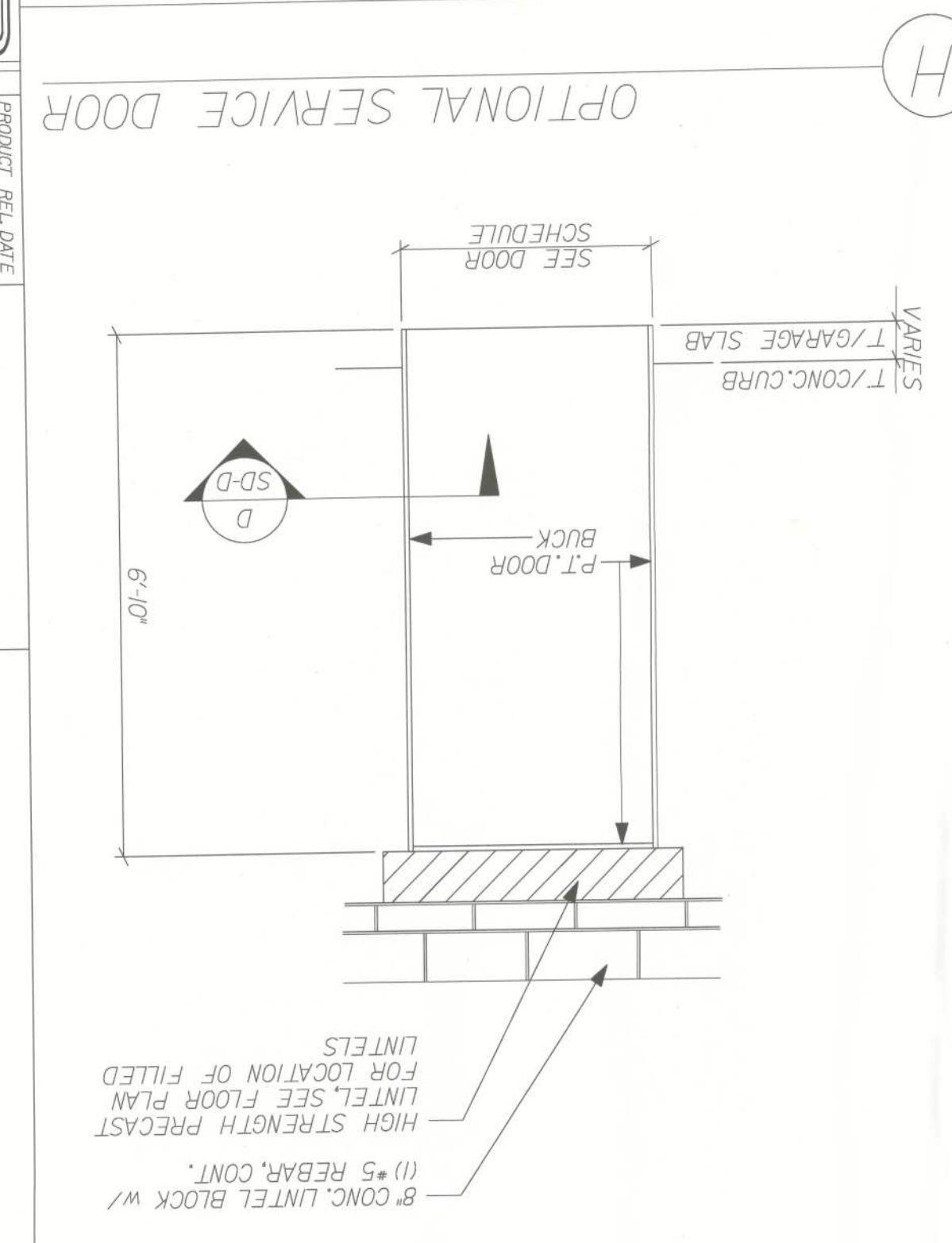
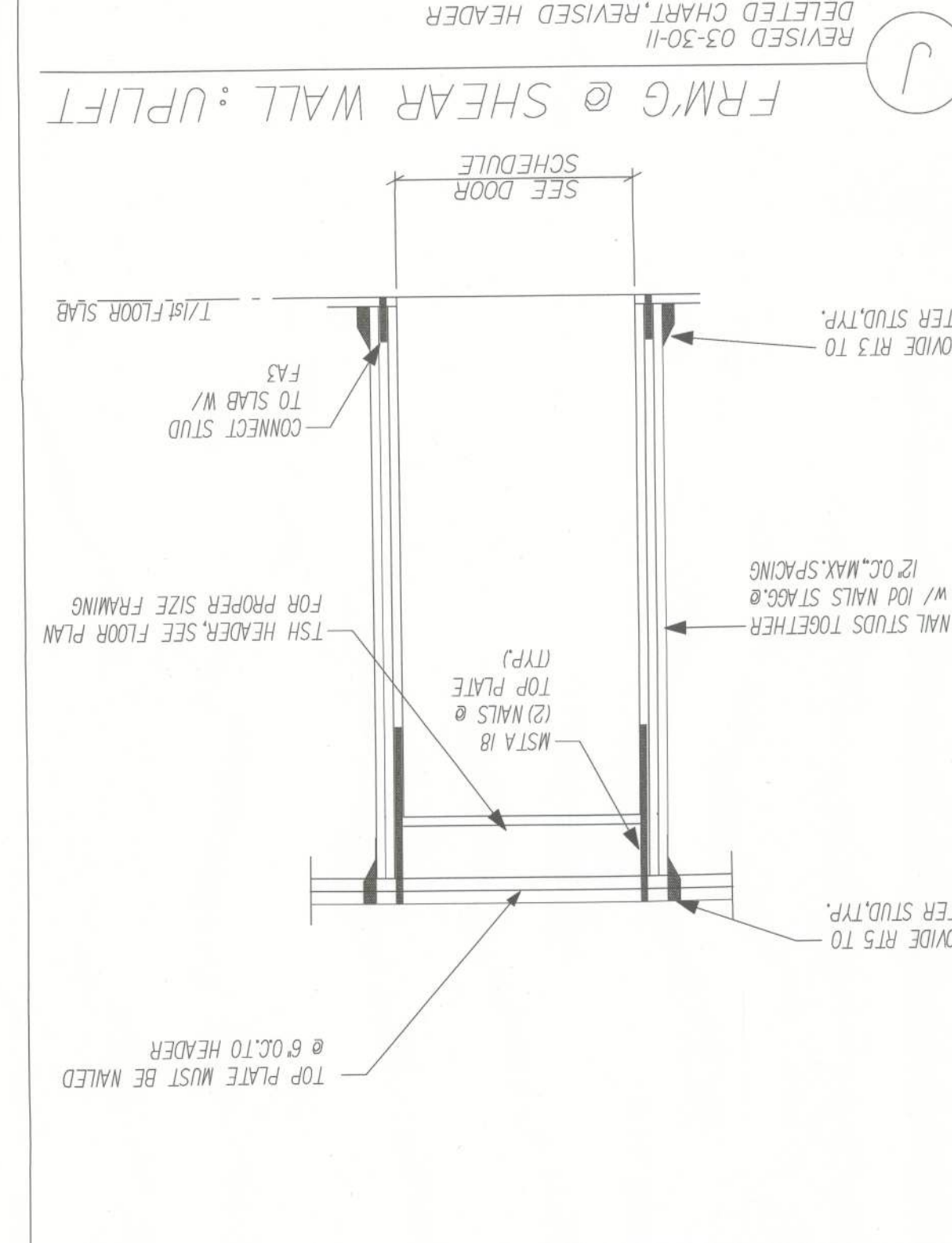
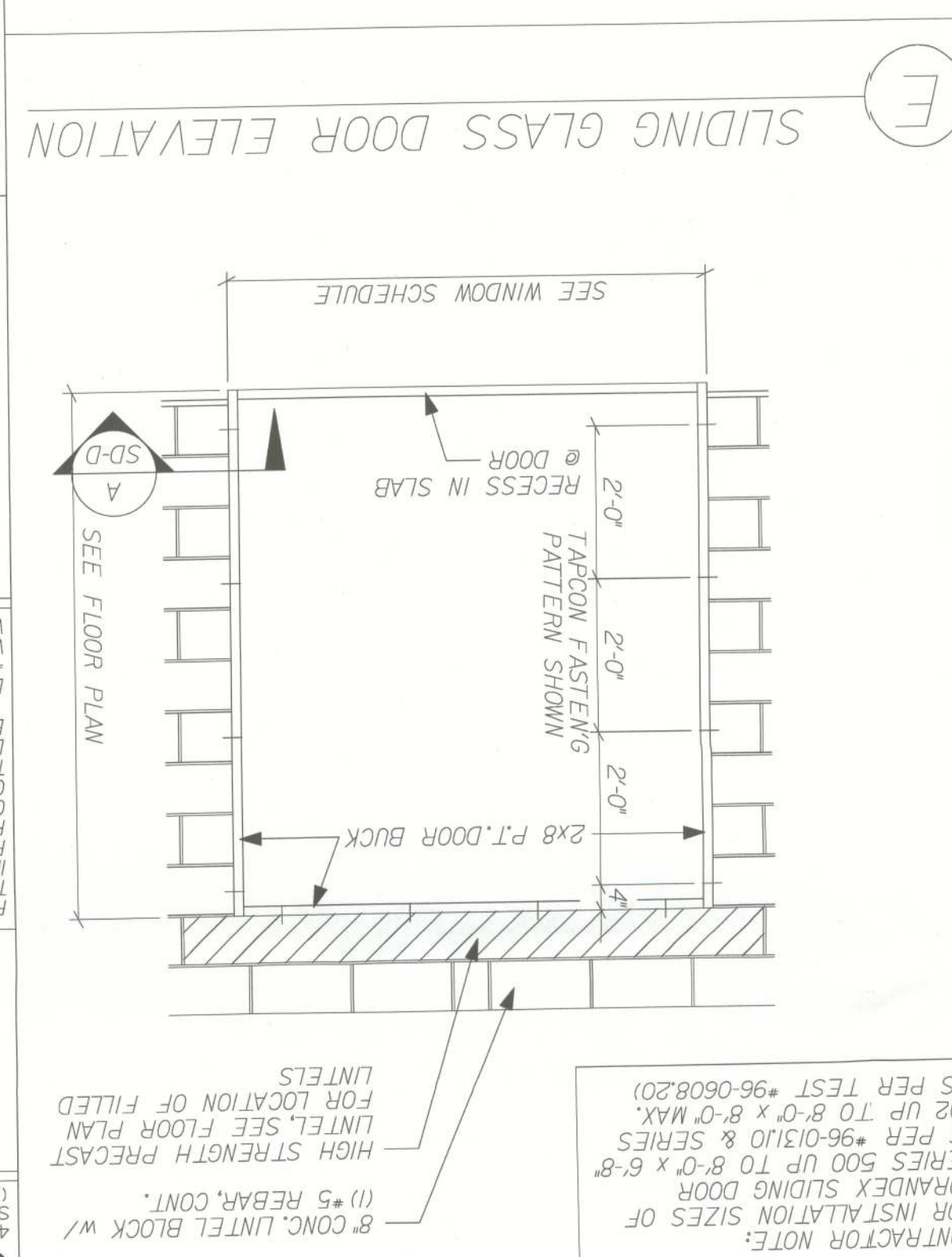
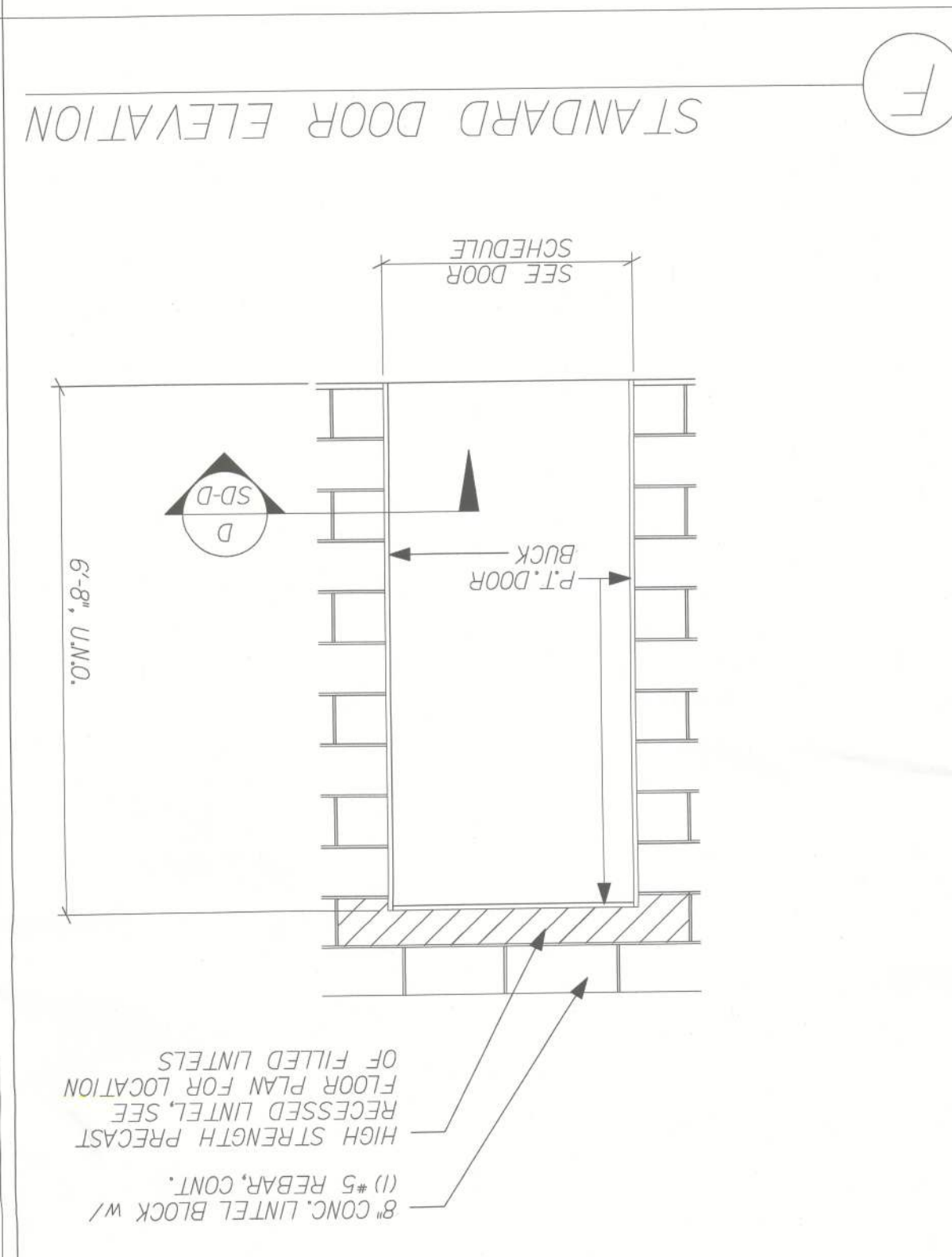
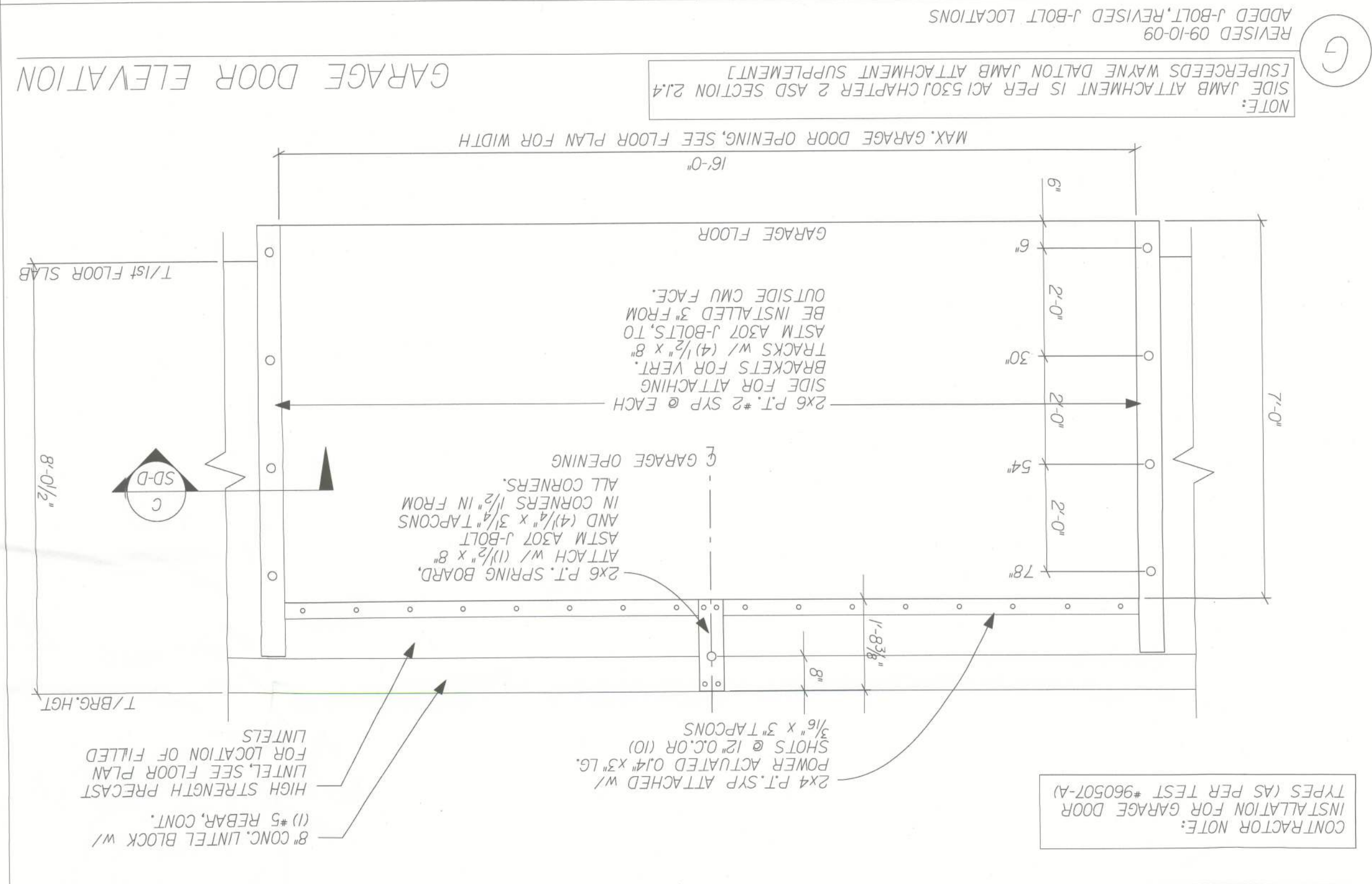
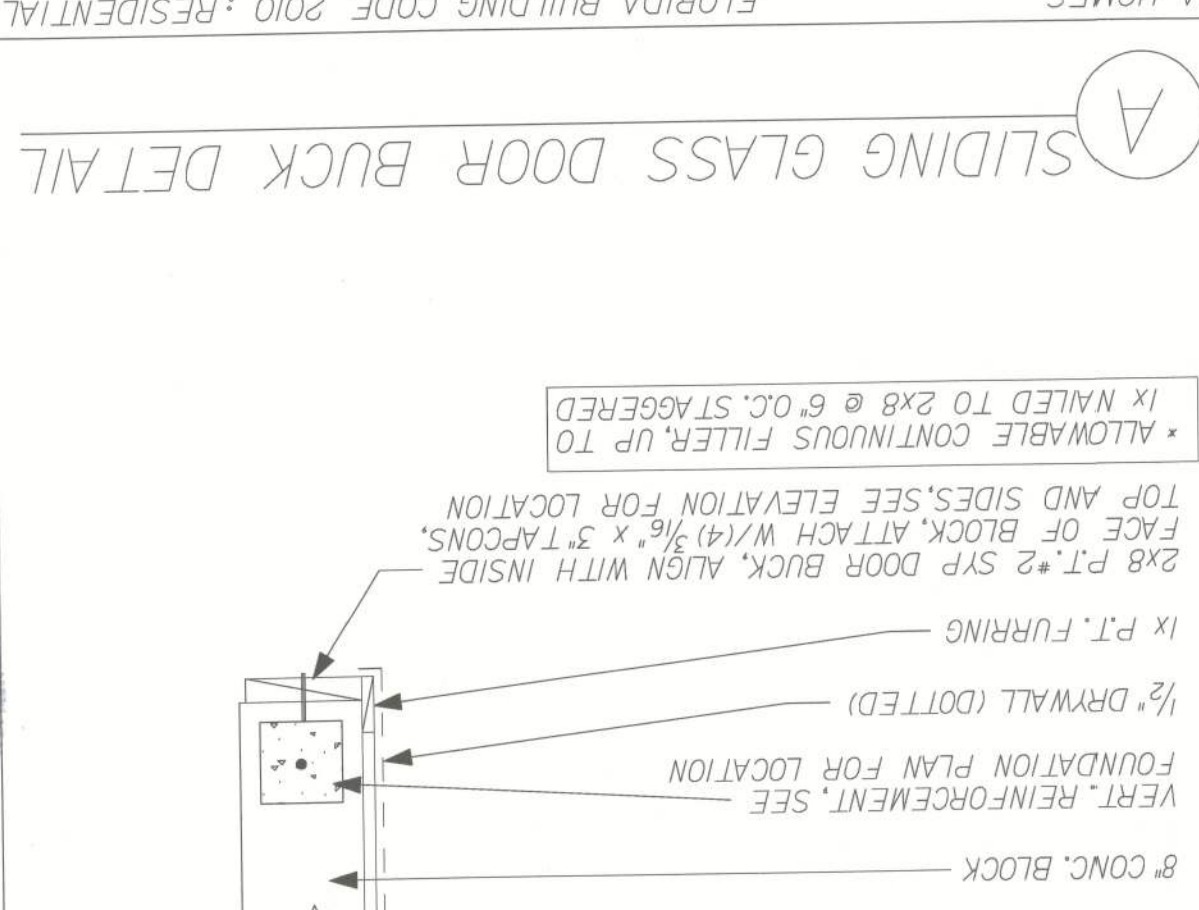
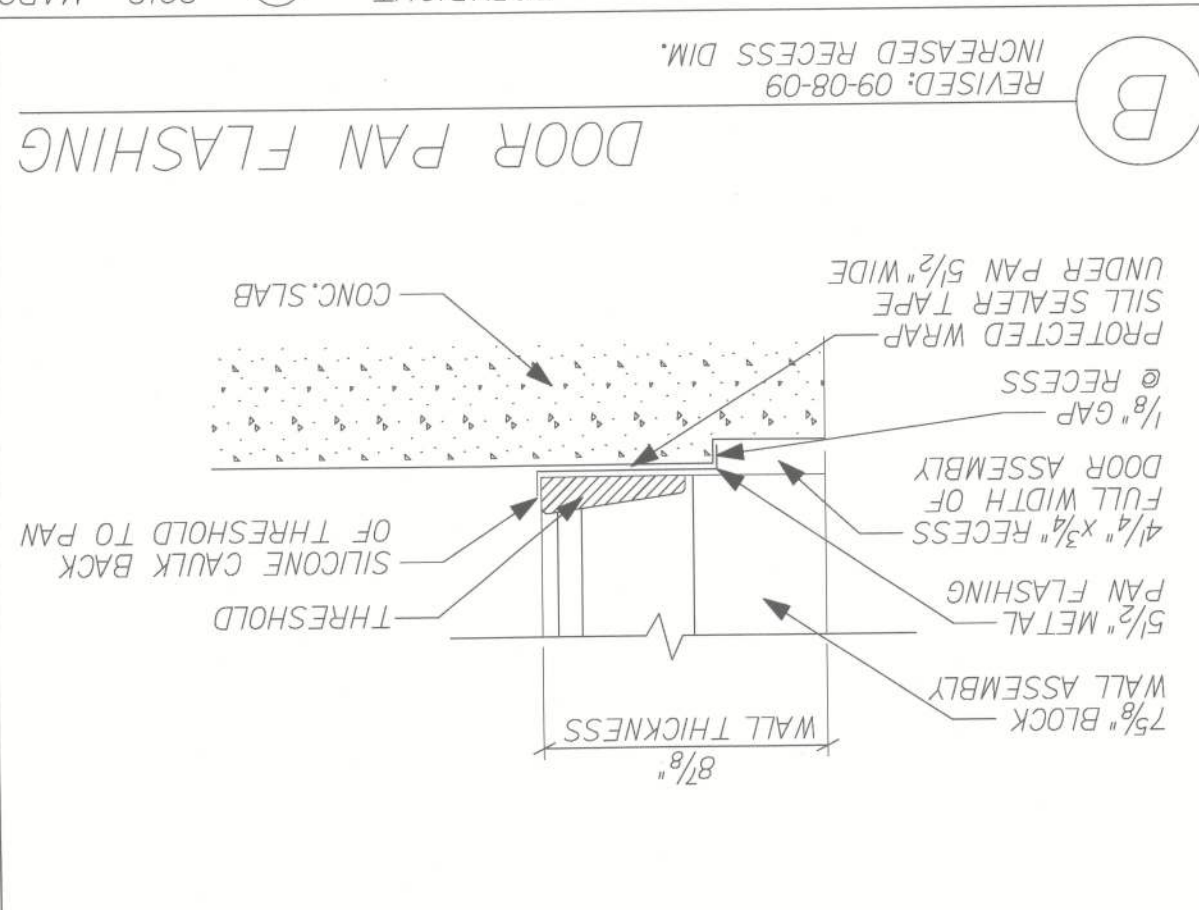
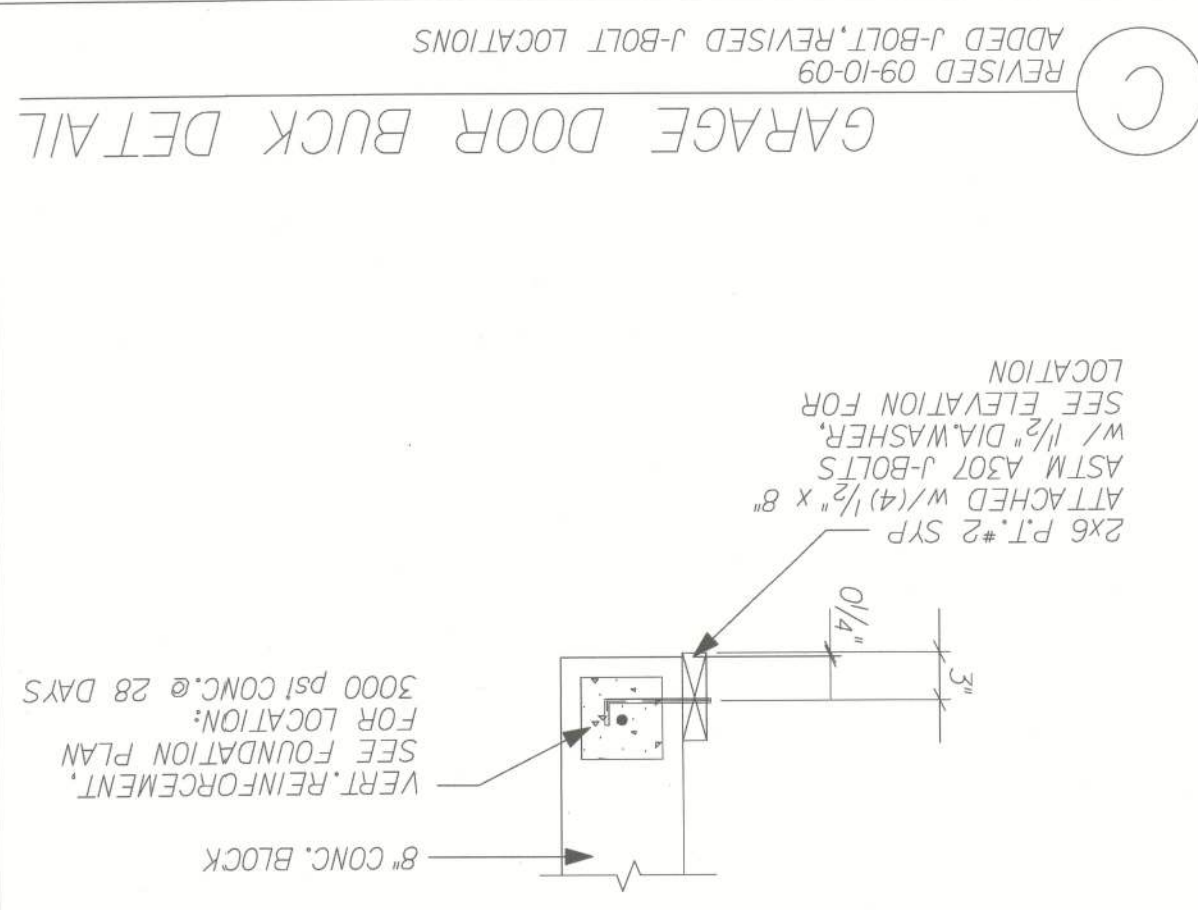
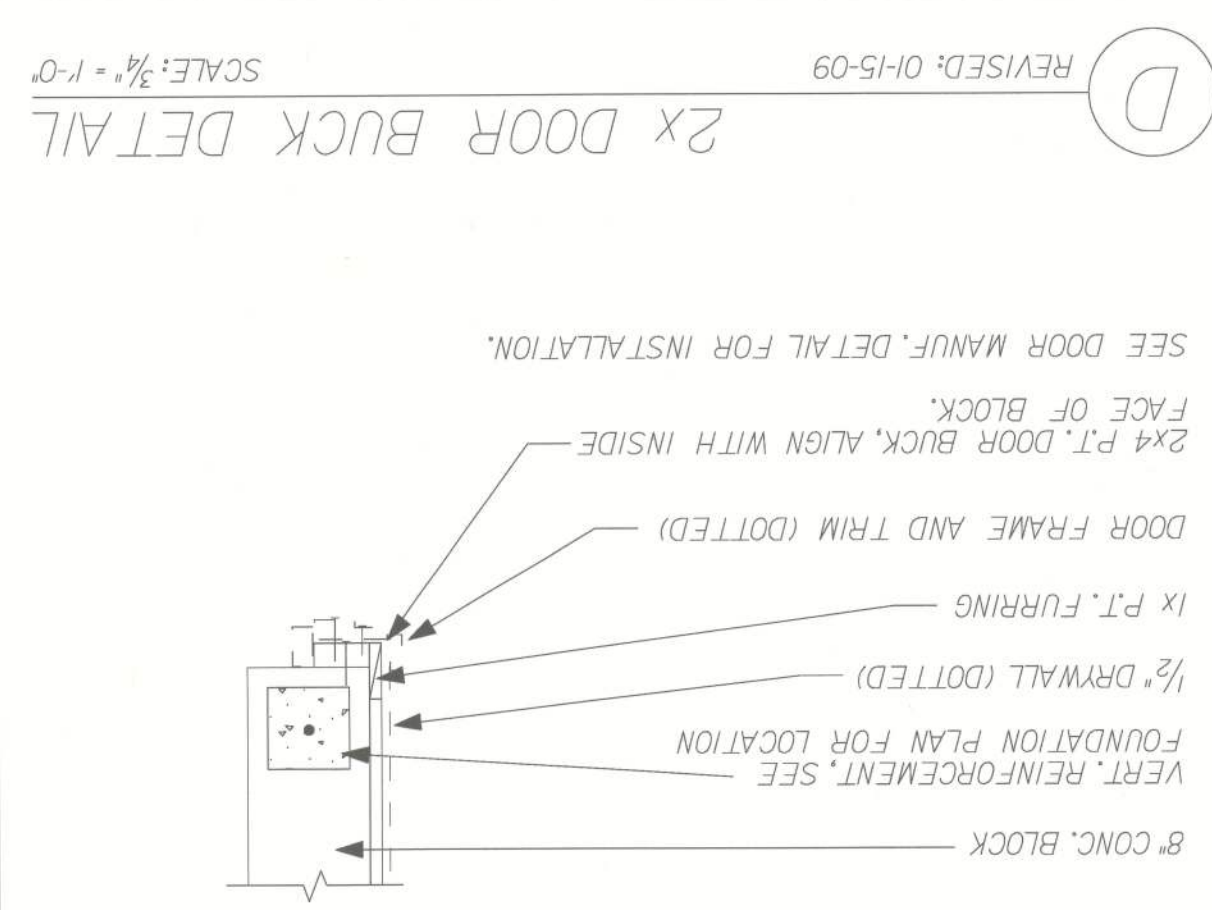
C WINDOW HEAD-ARCH WINDOW-BLK
SCALE: 3/4" = 1'-0"

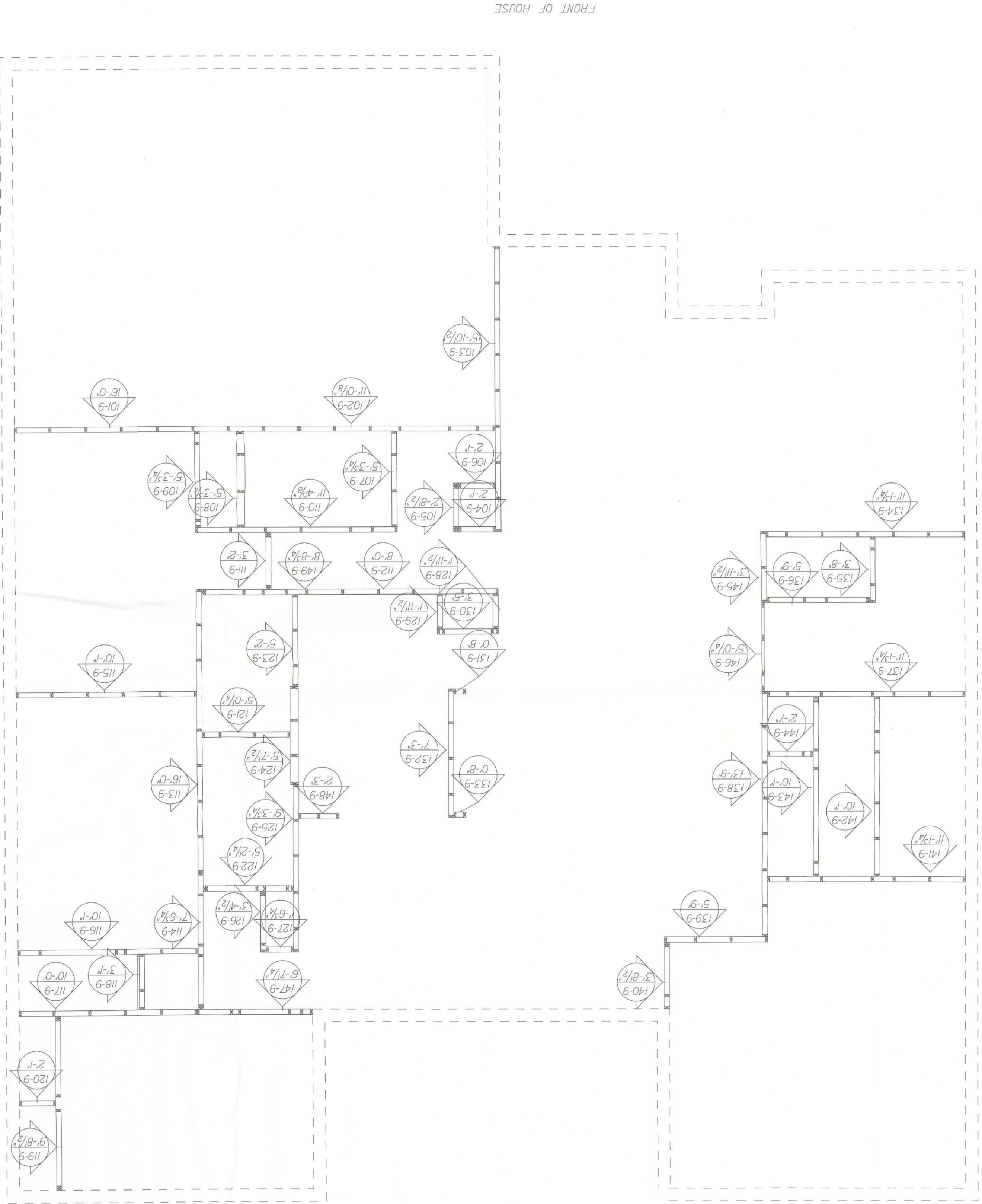
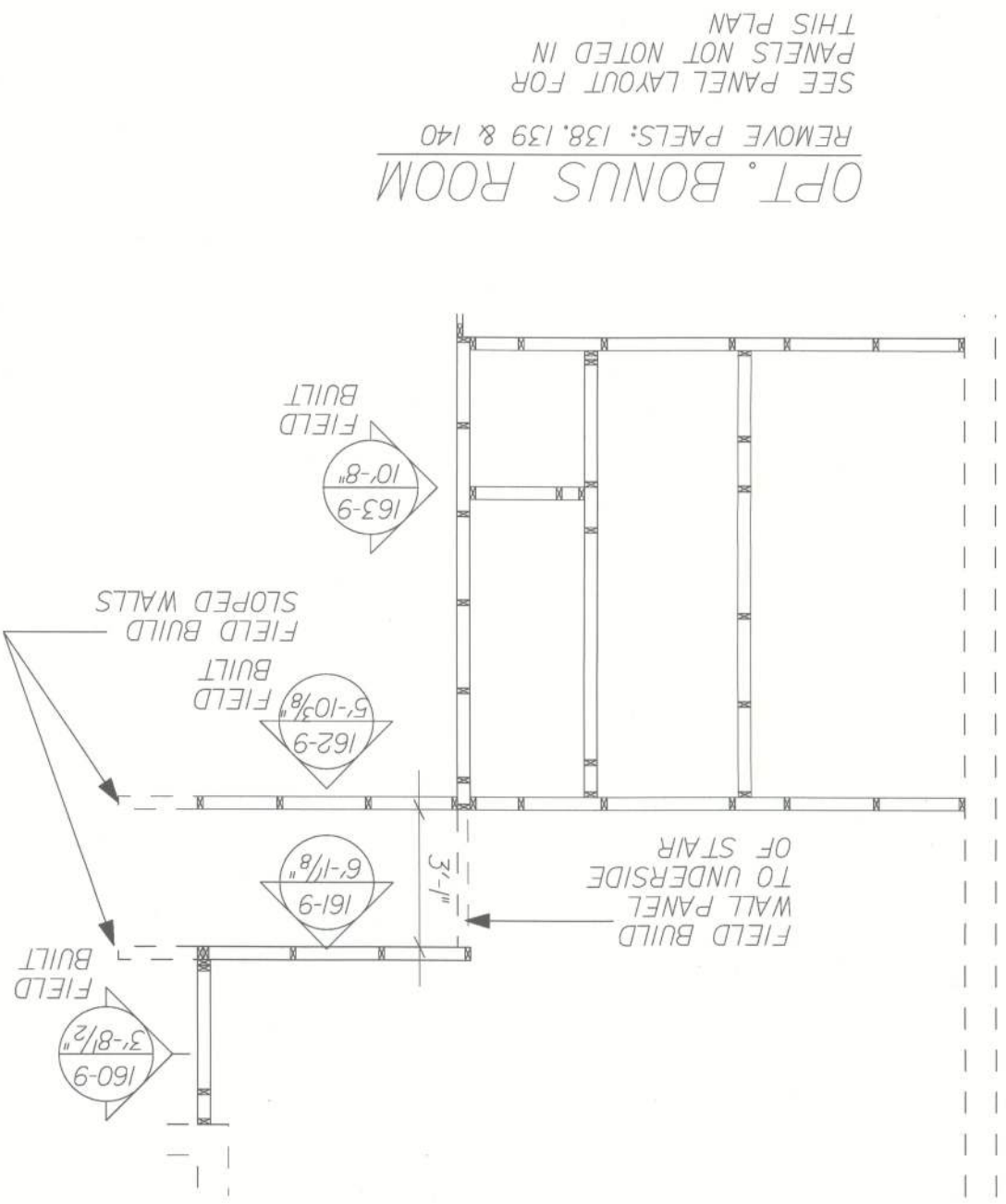


B WINDOW JAMB-STANDARD-BLK
SCALE: 3/4" = 1'-0"



A WINDOW HEAD-STANDARD-BLK
SCALE: 3/4" = 1'-0"

[illegible]



FIRST FLOOR INTERIOR WALL PANEL LAYOUT

ALL ELEVATIONS

FL05E

WPI

SHEET:

AMERICANA WALL PLAN LAYOUT

SIERRA

ALL ELEVATIONS @ 9'-4"

DRAWN BY: MKH

RELEASE DATE: 04-14-11

GARAGE: RIGHT

FLORIDA

THIS STRUCTURE WAS DESIGNED IN ACCORDANCE AND MEETS THE REQUIREMENTS OF SECTION 6301.02 OF THE FLORIDA BUILDING CODE 2007. RESIDENTIAL ALL CONNECTORS HAVE BEEN CHECKED TO WITHSTAND ALL APPLICABLE LOADS. EXPOSURE B, ENCLOSED BUILDING AND RISK CATEGORY II.

DESIGNED WIND SPEED: 150 MPH

VIA: 150 MPH

Maronda Homes

4005 MARONDA WAY
SANFORD, FL 32771
(407) 321-0064

PRODUCT RELEASE

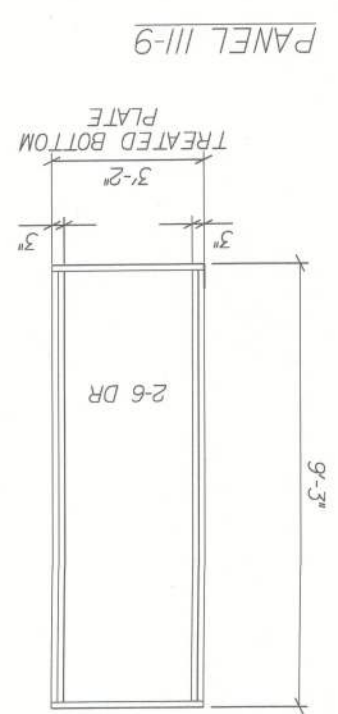
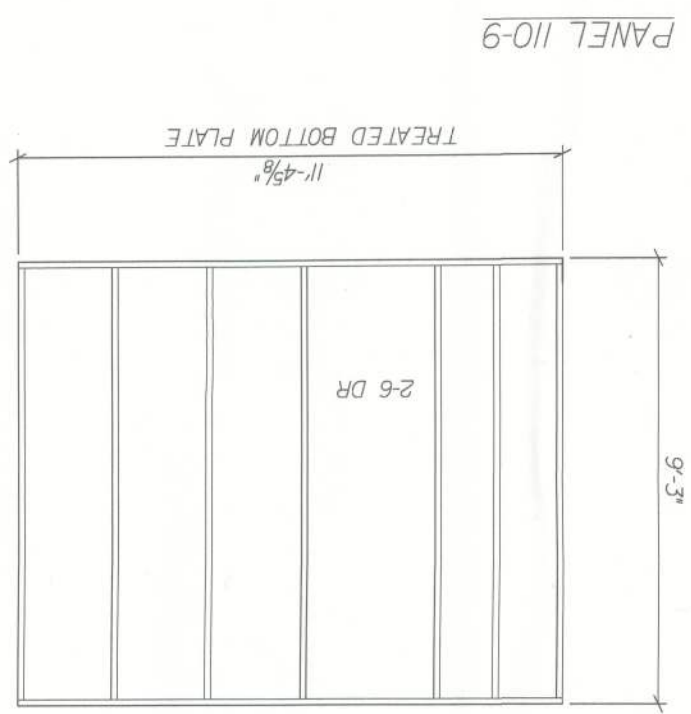
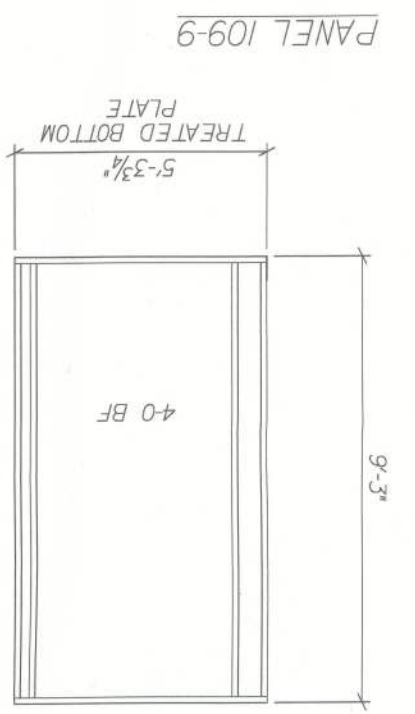
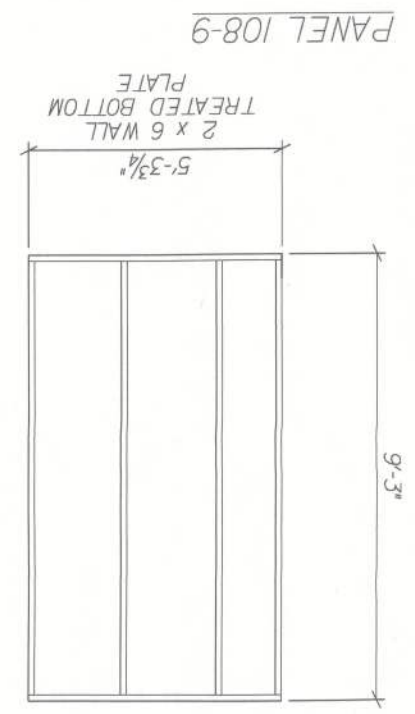
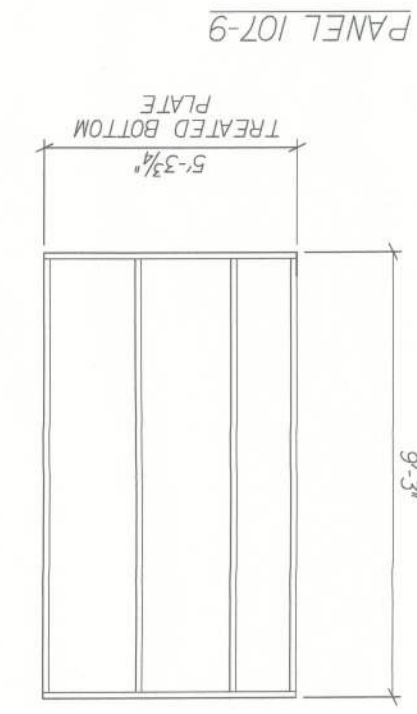
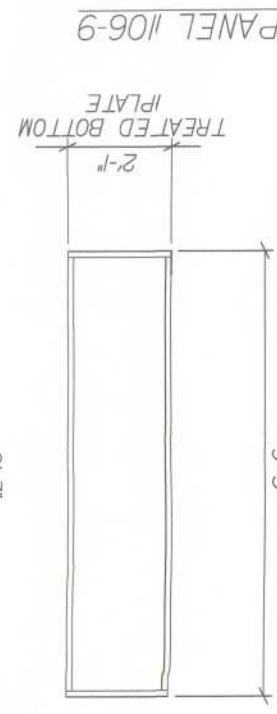
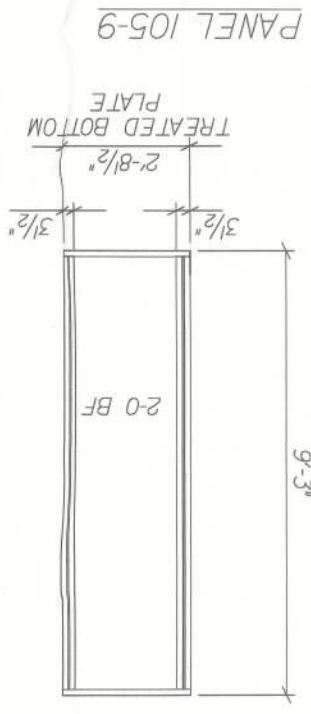
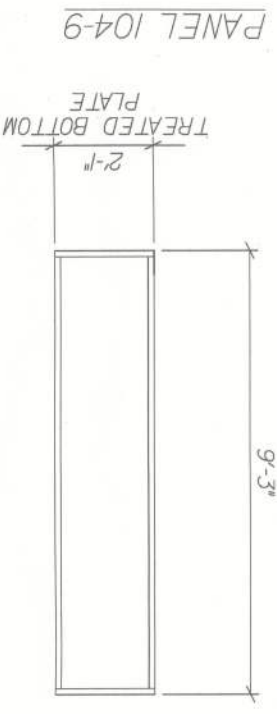
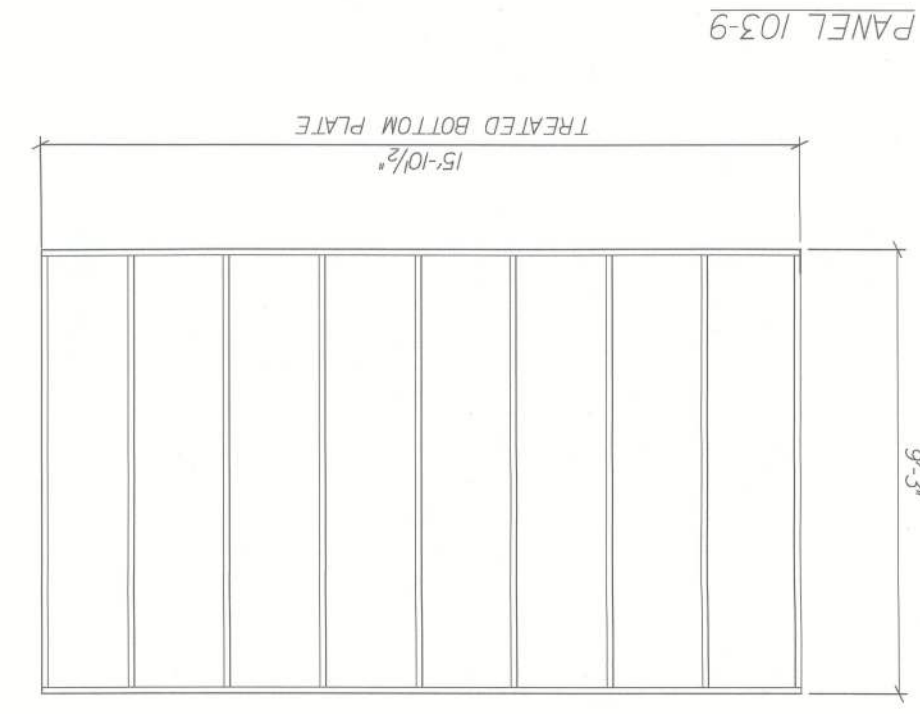
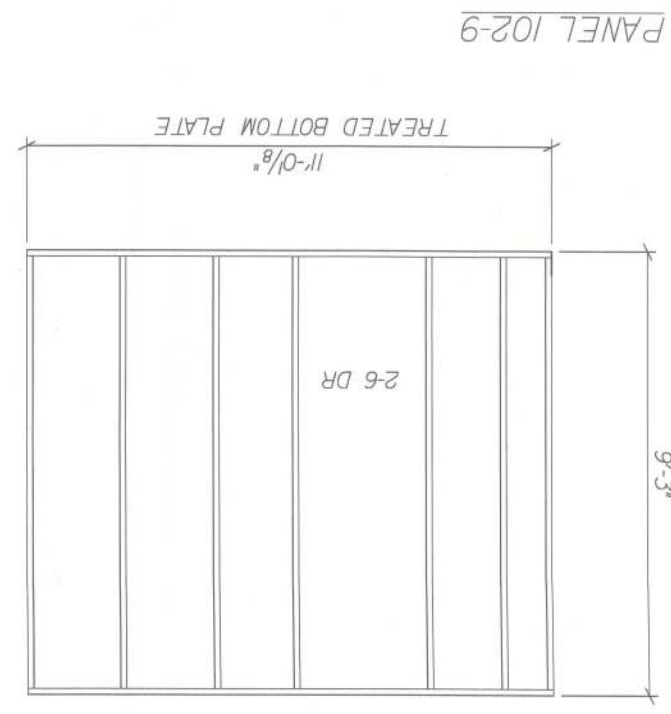
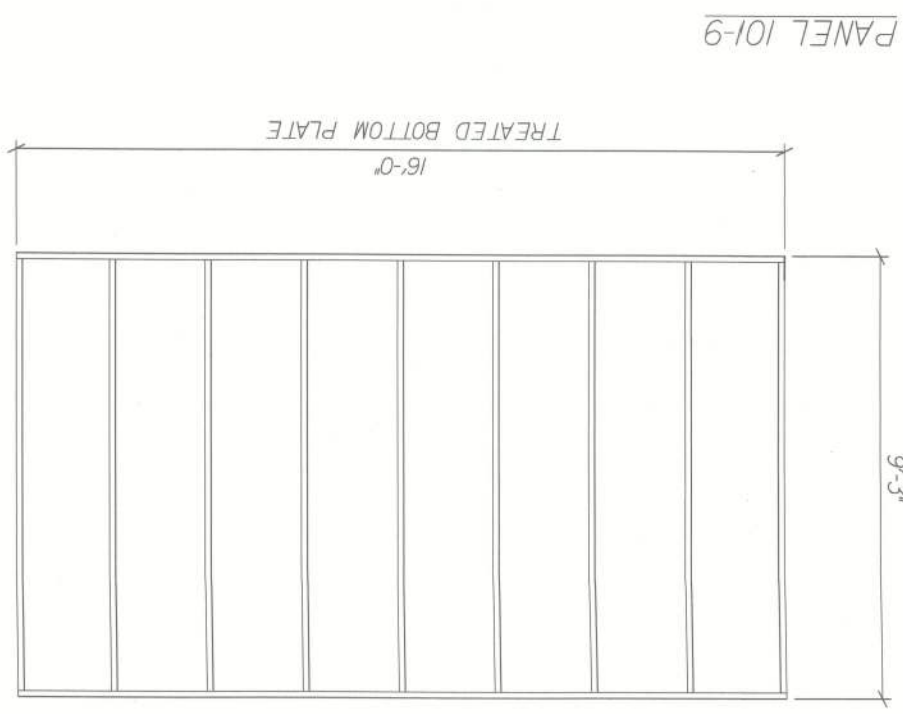
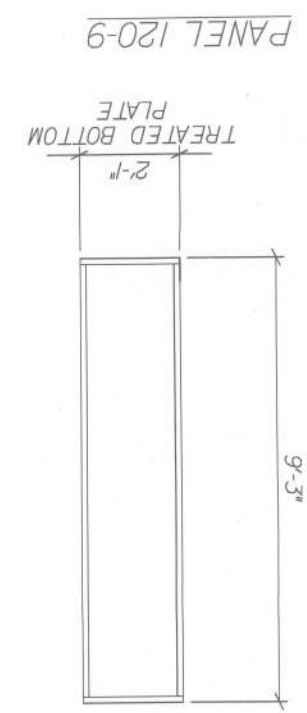
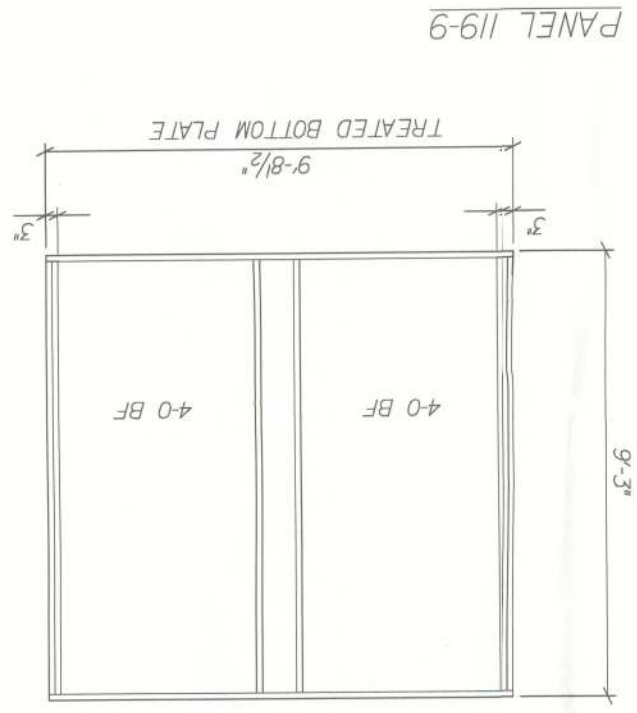
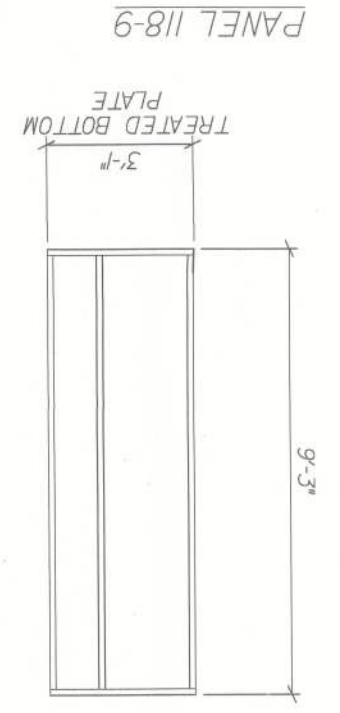
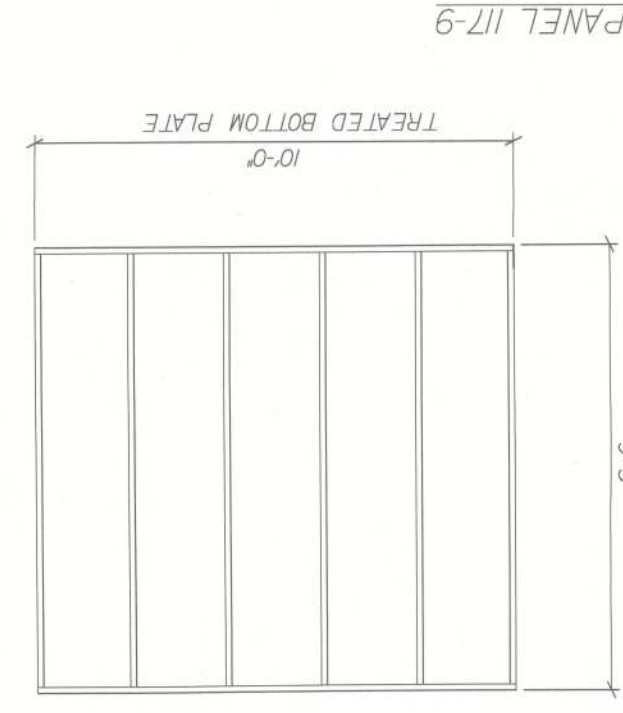
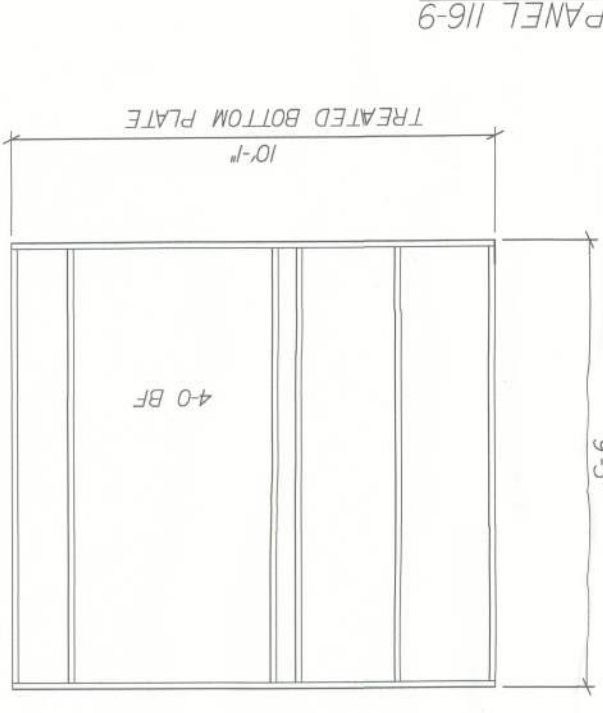
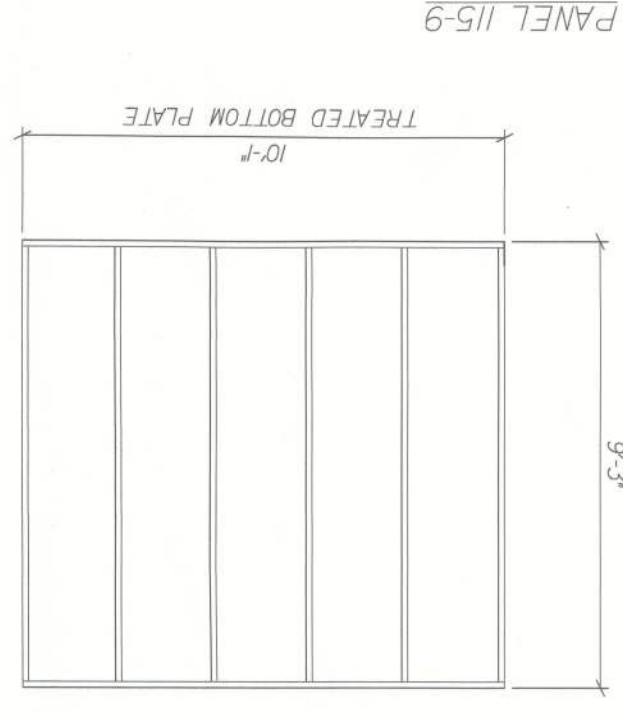
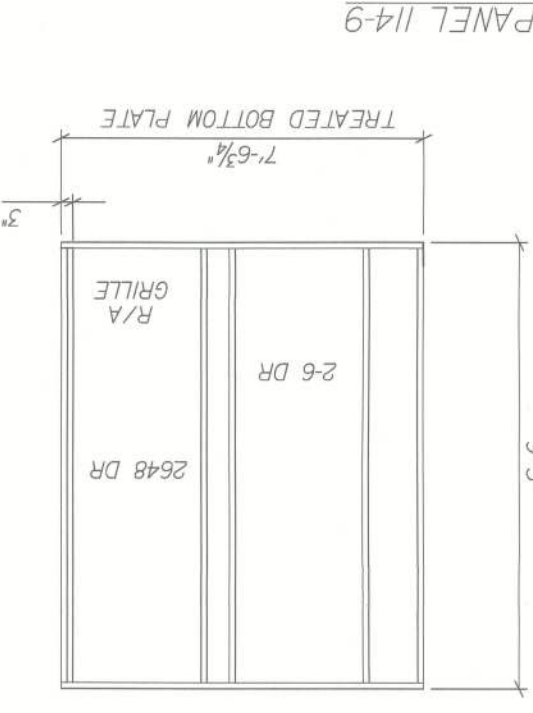
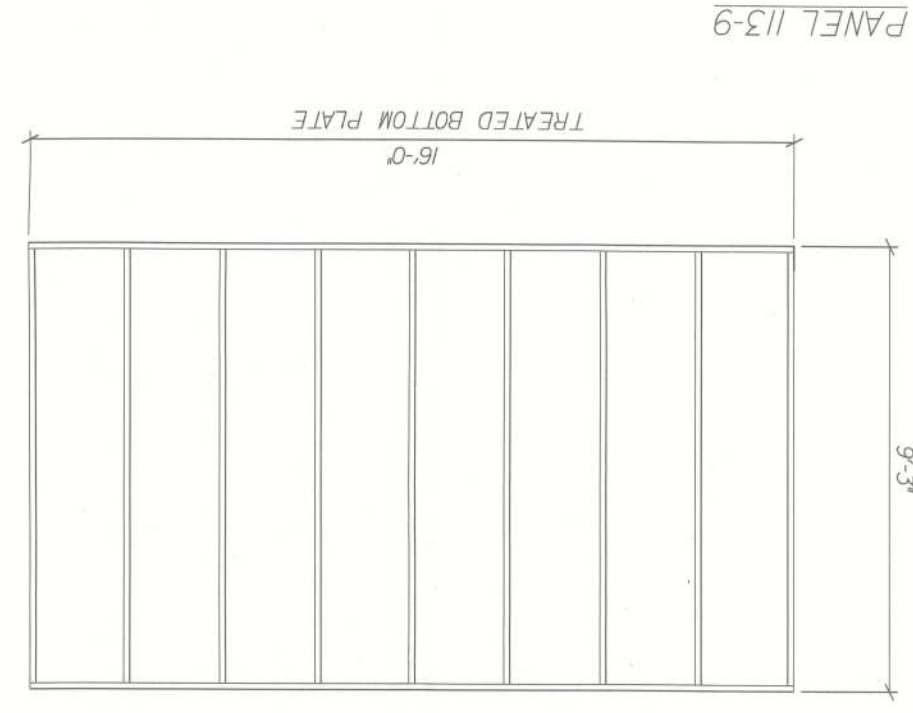
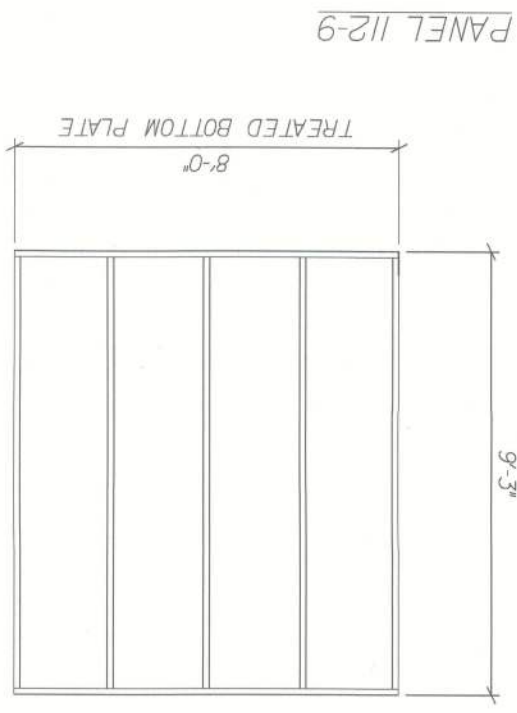
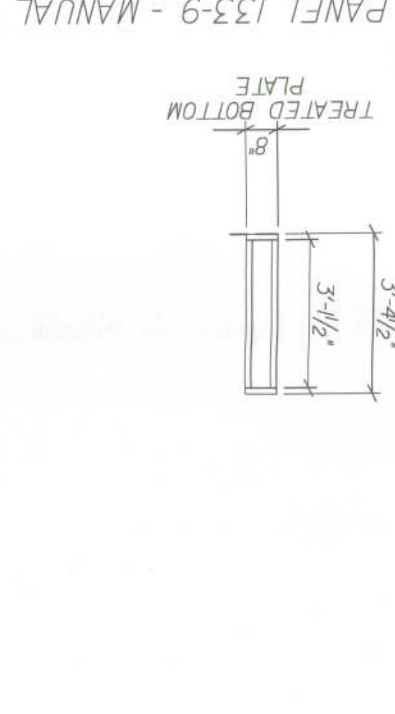
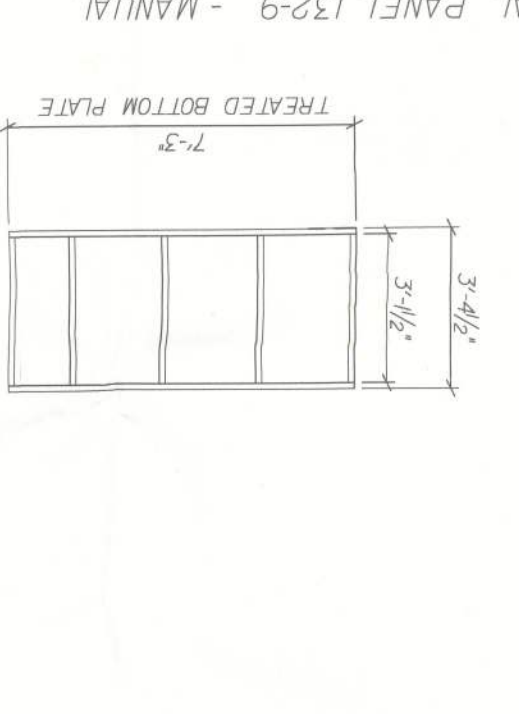
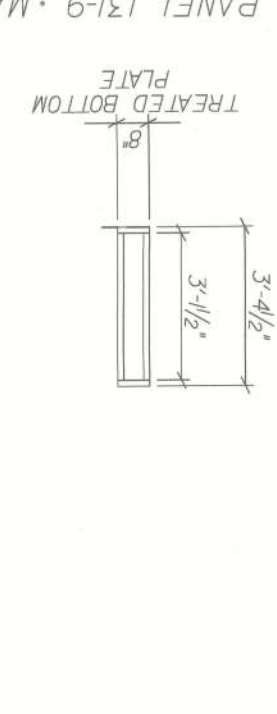
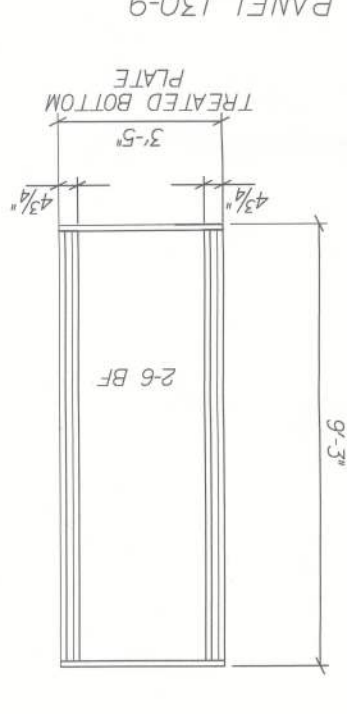
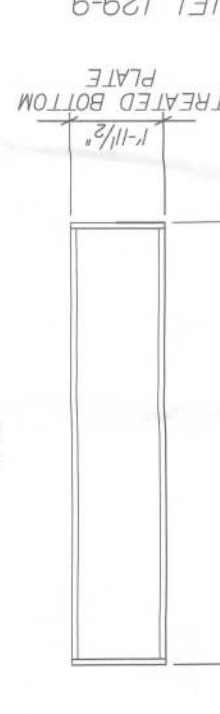
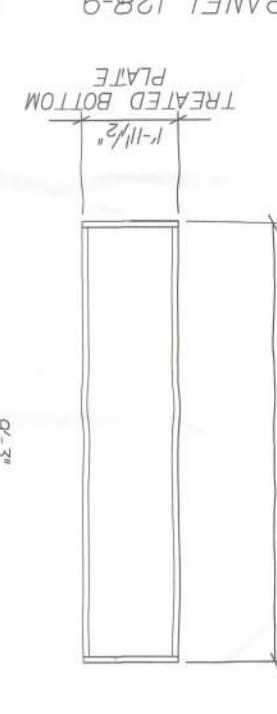
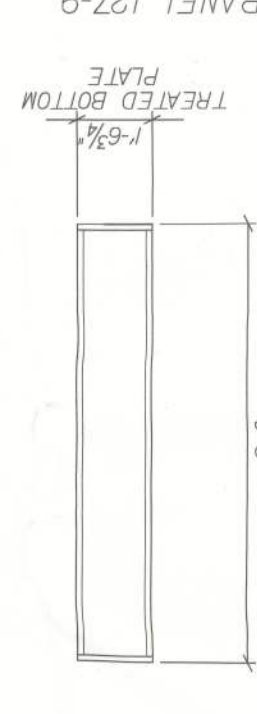
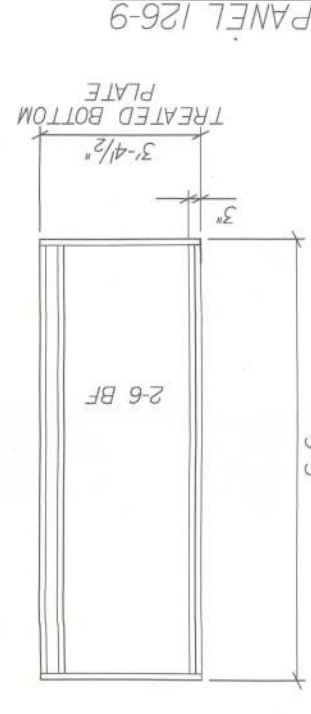
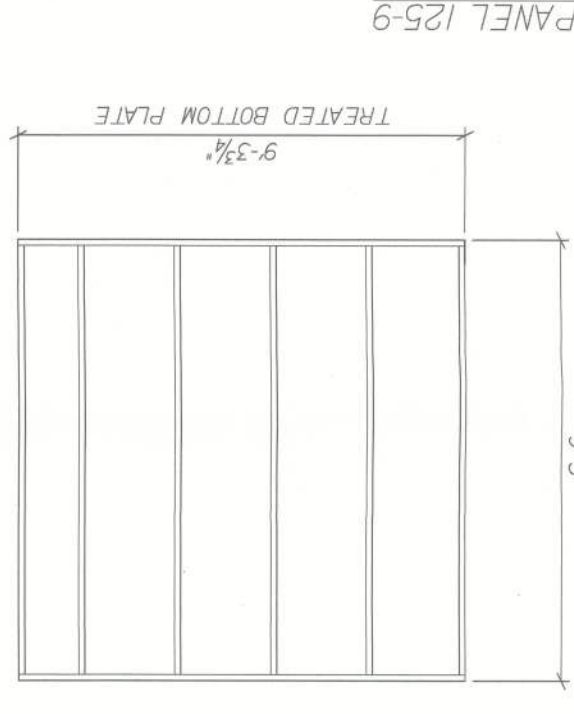
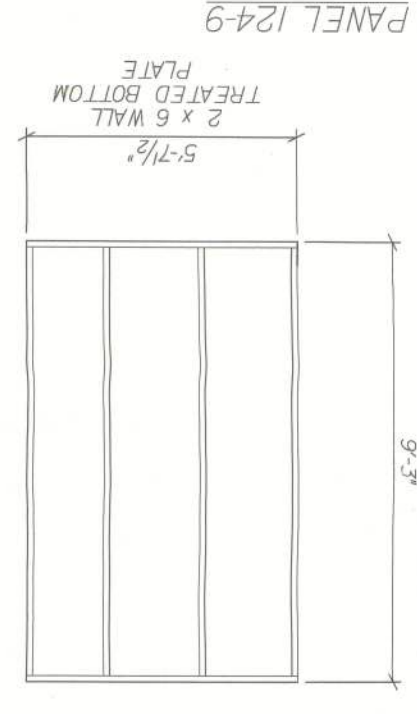
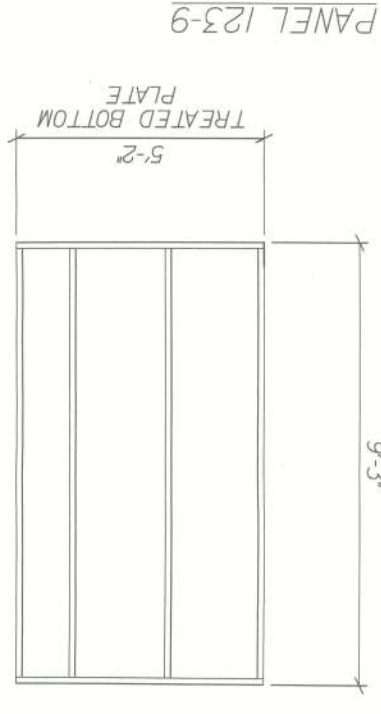
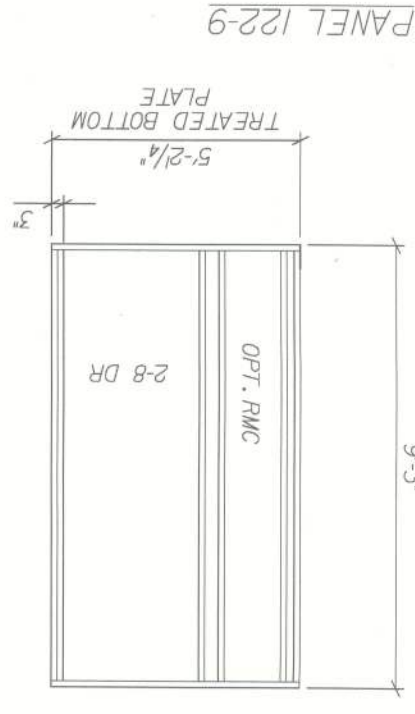
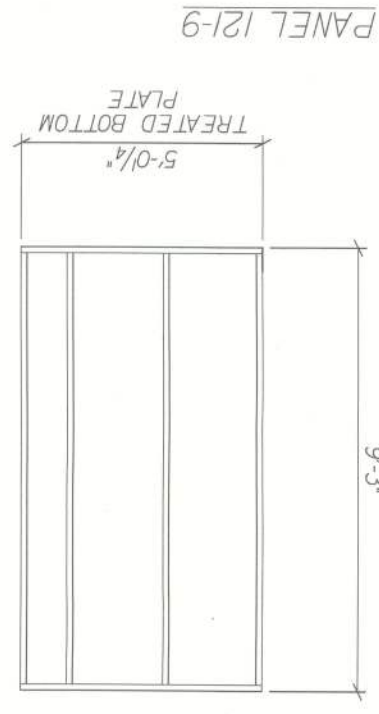
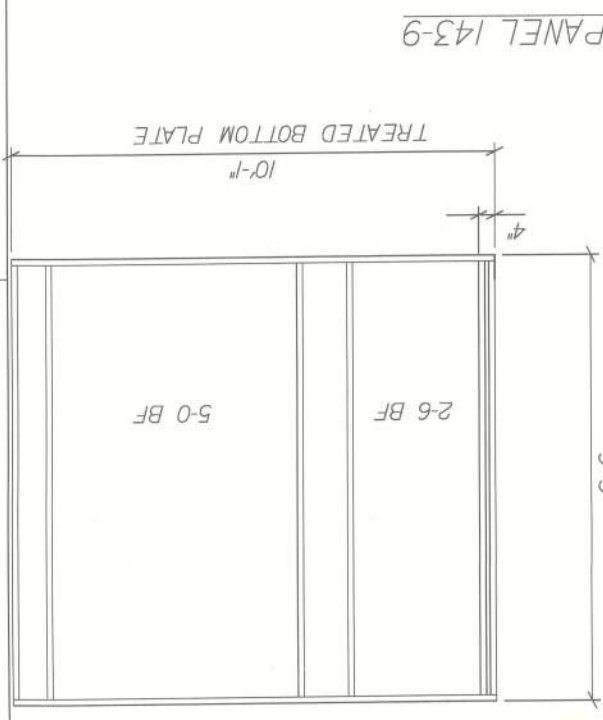
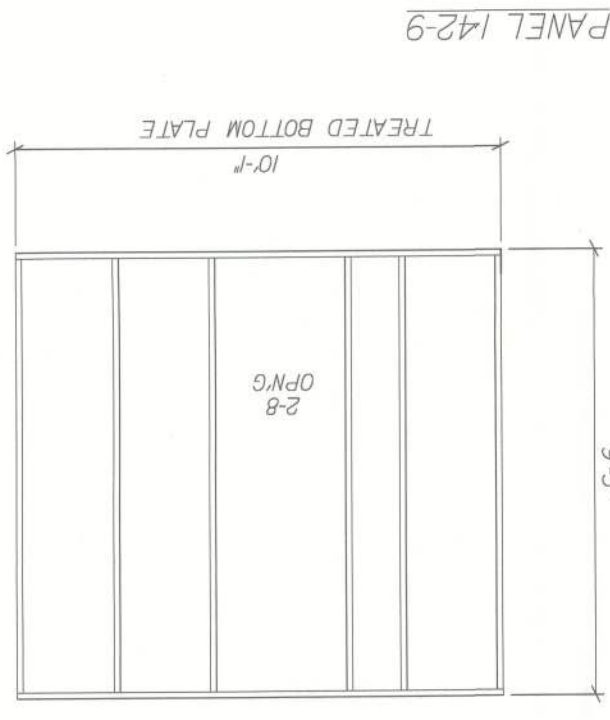
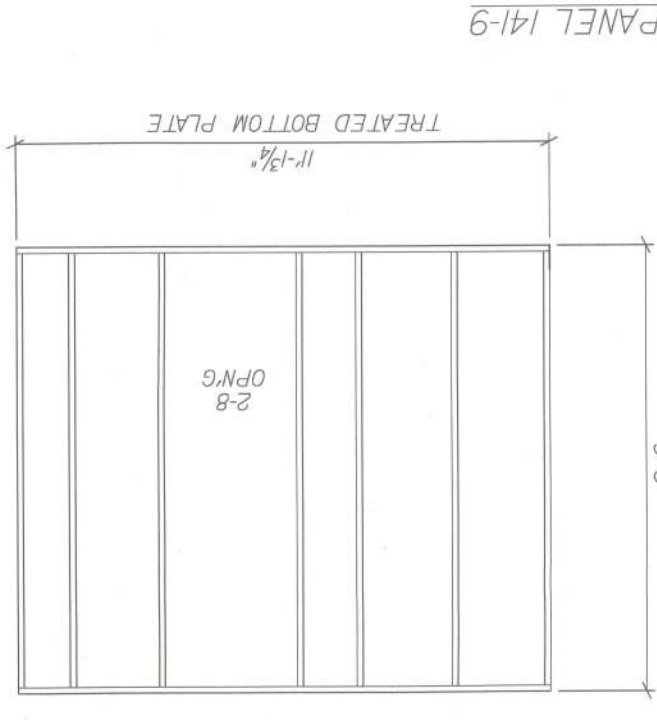
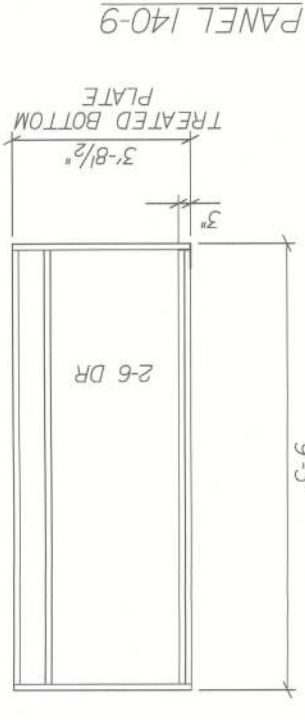
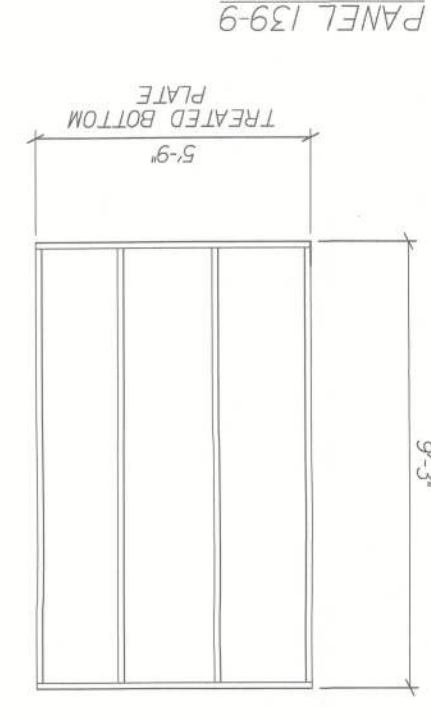
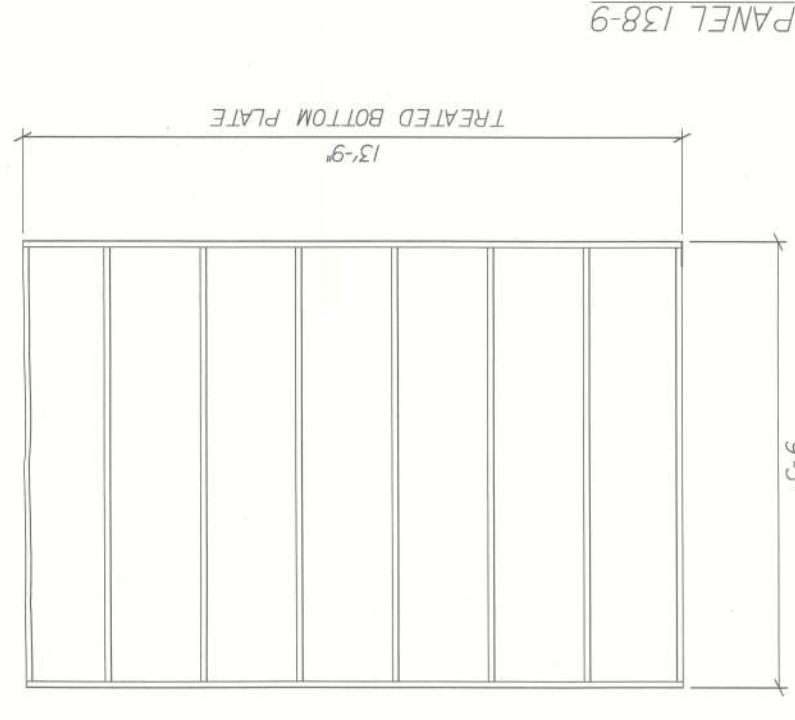
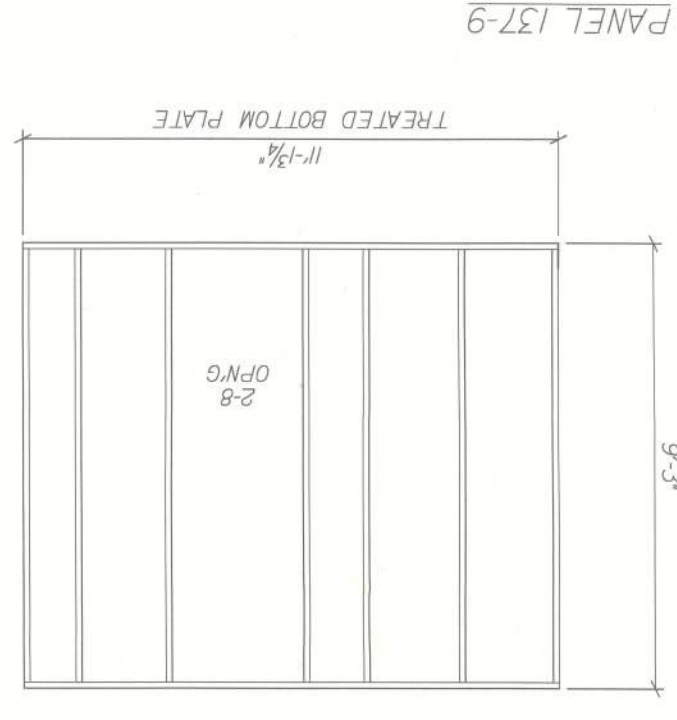
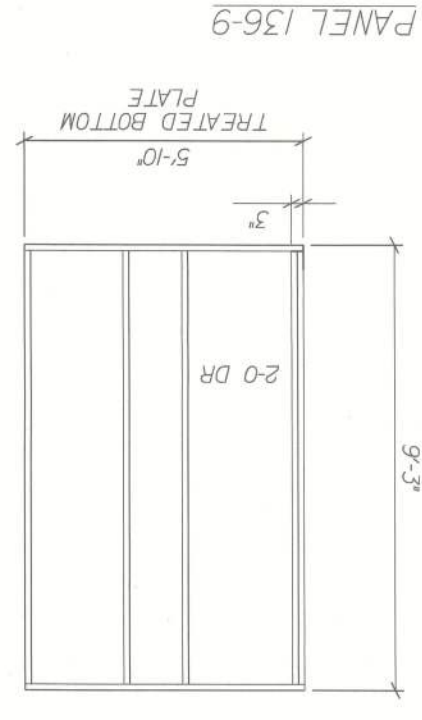
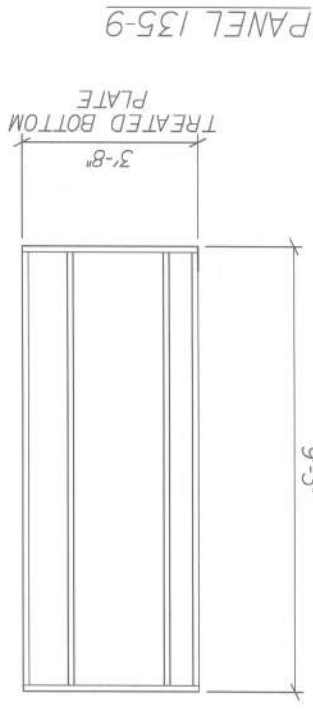
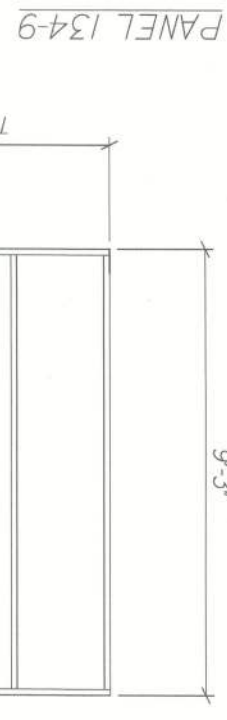
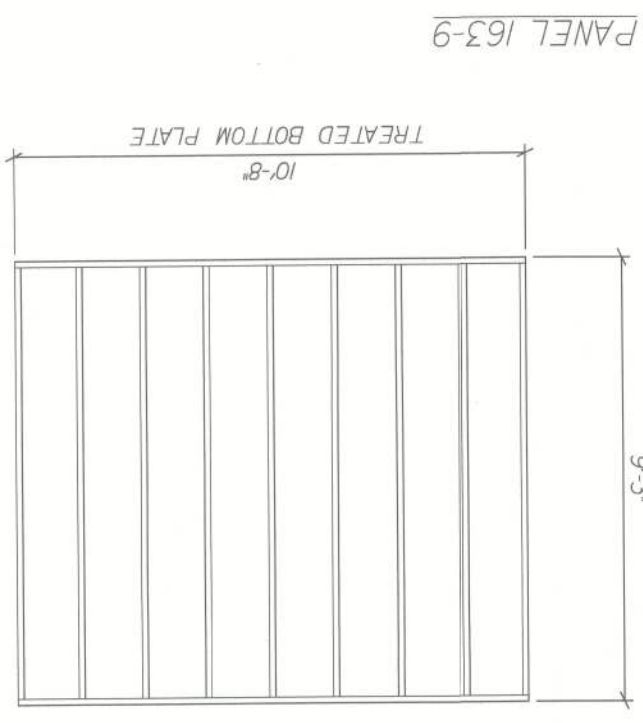
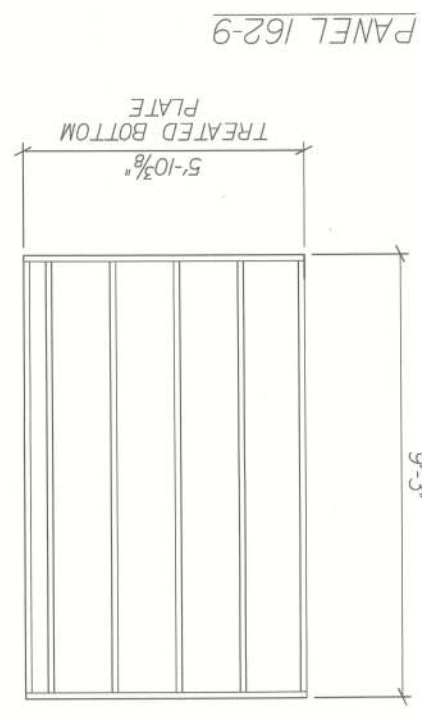
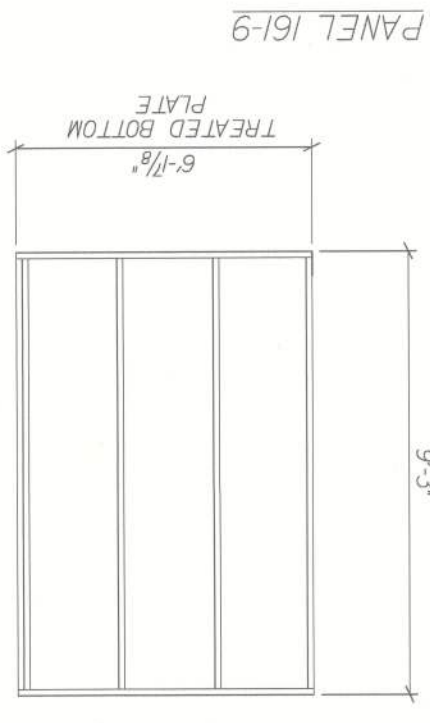
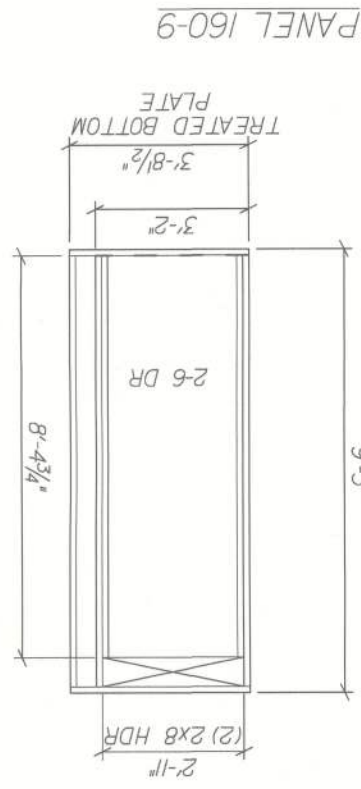
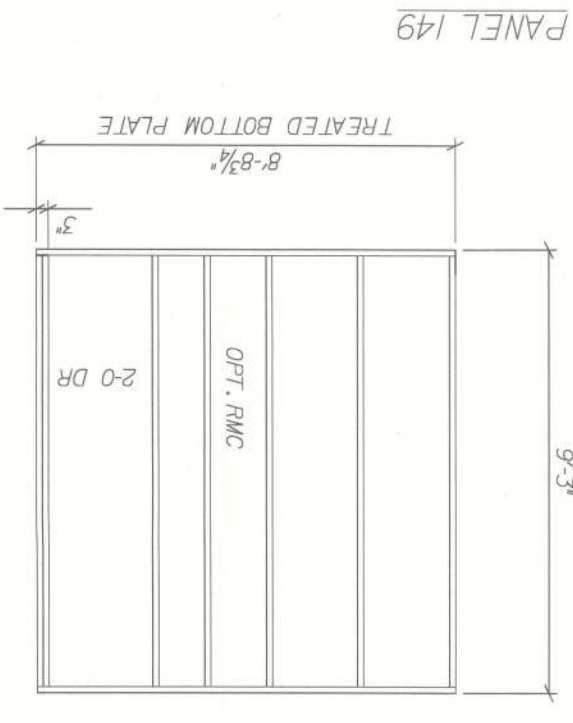
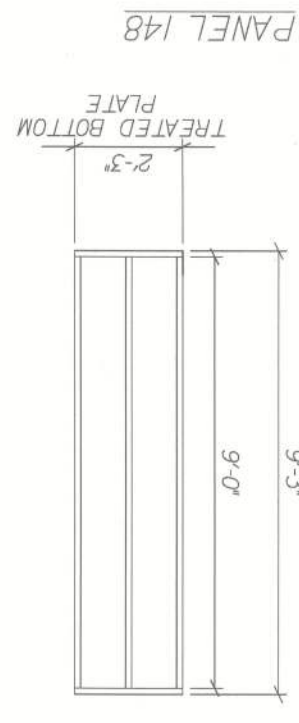
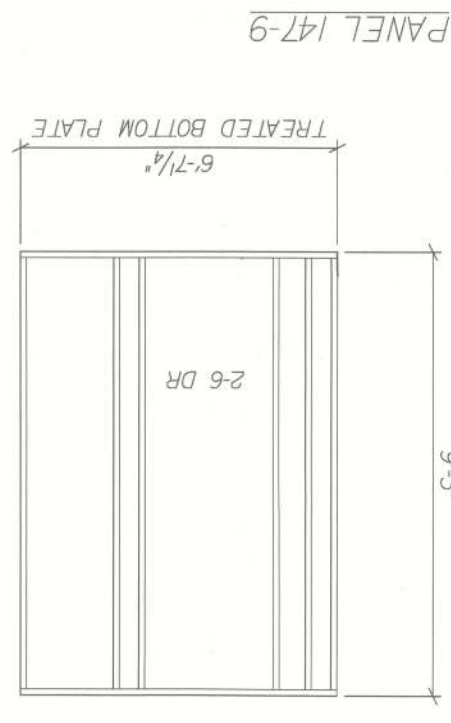
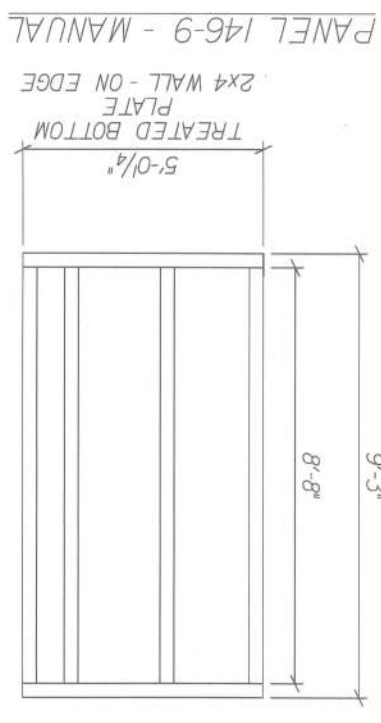
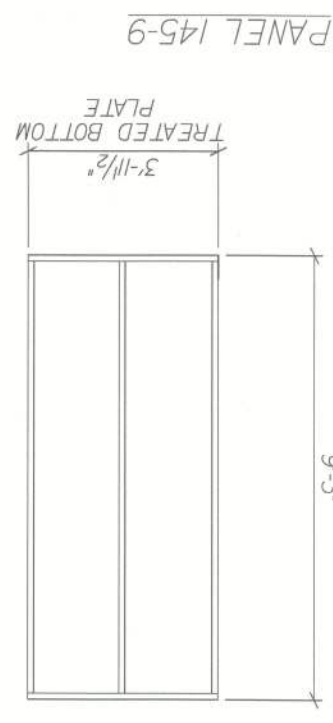
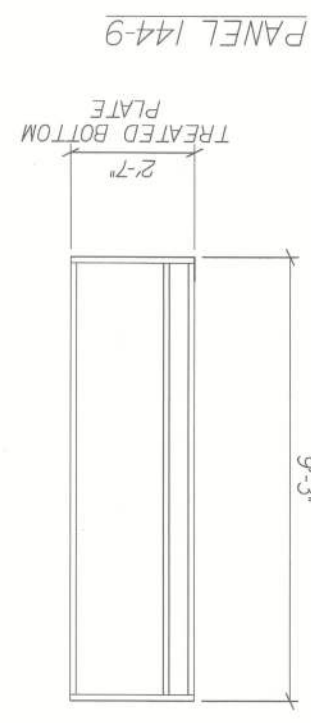
07-01-11 REV. PER FRAME WALK

08-30-11 REV. PER KITCHEN ISLAND

10-08-11 ADDED BONUS ROOM WALLS

090517

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FL55E

WPI

SHEET:

AMERICAMA WALL PANEL LAYOUT

SIERRA

ALL ELEVATIONS : 9'-4" WALLS

DRAWN BY: MKH

RELEASE DATE: 04-18-11

GARAGE:-

DESIGNED WIND SPEED

VALU - 160 MPH

DESIGNED WIND CATEGORY II.

LOADS EXPOSURE B ENCLOSED

TO WITHSTAND ALL APPLICABLE

CONNECTORS HAVE BEEN CHECKED

CODE 2001 - RESIDENTIAL ALL

AS OF THE FLORIDA BUILDING

REQUIREMENTS OF SECTION

IN ACCORDANCE AND MEETS THE

THIS STRUCTURE WAS DESIGNED

FLORIDA

4005 MARONDA WAY

SANFORD, FL 32711

(407) 321-0064

Maronda Homes

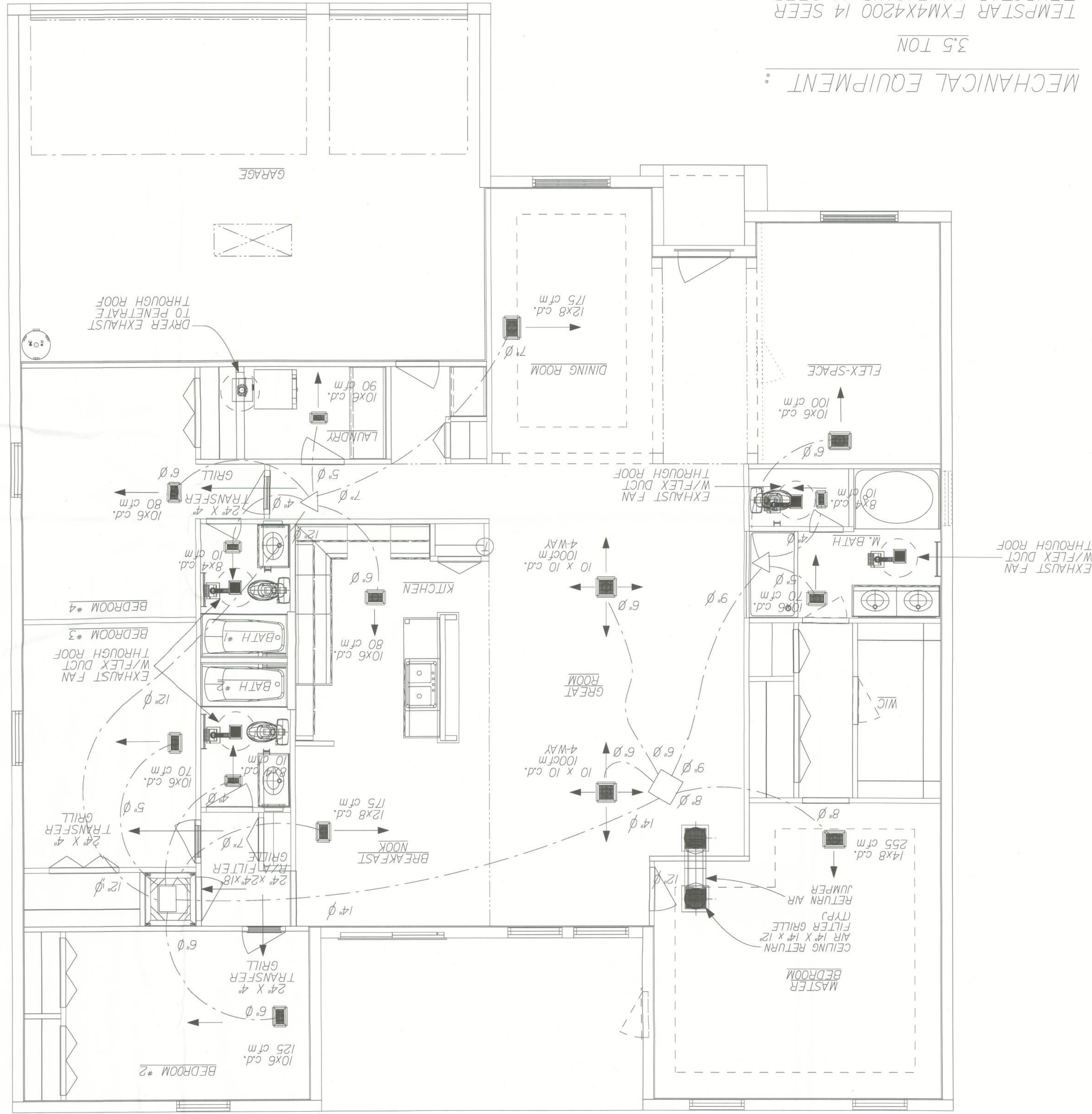
PRODUCT REL. DATE: 02-25-11

07-04-11 REV. PER FRAME WALL

08-30-11 REV. PER KITCHEN ISLAND

09/05/44

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MECHANICAL EQUIPMENT :

3.5 TON

TEMPSTAR FXM44200 14 SEER
TEMPSTAR N4H342AKD 14 SEER
7.5 KW
BRAEBURN 5200 2 STAGE HEAT PUM
BROAN 671 - 70 CFM
SIZES OF REDUCTION BOXES (DB-6-16)
SIZES OF TRIANGLES (15X15X15)
EXT. STATIC .50 1420 CFM H
ALL TAPES, CONNECTORS AND MASTIC
USED WILL BE U/L-181

REGISTER LAYOUT

hvacItem REPORT		Sat Jul 23 09:02:57 2011		g*fi gse*houses*stg*err*gvac*stg*1.htg	
QUANTITY	DESCRIPTION				
4	23A	150045.00	0035	8x4	CEILING BOOT W/4" DIA. COLLAR
3	23B	150045.00	0036	10x6	CEILING BOOT W/5" DIA. COLLAR
3	23C	150045.00	0038	12x8	CEILING BOOT W/7" DIA. COLLAR
2	23L	150045.00	0037	10x10	CEILING BOOT
2	24F	150040.00	0249	#1818	DISTRIBUTION BOX
4	23A	150020.00	0031	4" DIA.	END CAP (4EC/422)
2	3F14	150040.00	0099	14" DIA.	FOIL FLEX 90 R6
4	3N	150015.00	0005	3" PLAIN FLEX 45 (N1S)	
4	3N	150015.00	0005	3" PLAIN FLEX 90 (N1S)	
1	70	150040.00	0111	DUCT	PLENUM TRIANGLE
2	7R	150040.00	0111	18"	SQUARE DUCT PLENUM
3	81A	150005.00	0051	2x4x4	TRANSFER GRILLE
3	81B	150045.00	0052	2x4x4	TRANSFER GRILLE FRAME
2	84C	150005.00	0030	20x20	RETURN AIR FILTER GRILLE
4	95A	150005.00	0012	4"	EXHAUST FAN (696N)
4	95B	122001.00	0011	4"	ROOF CAP W/DAMPER
4	98J	150020.00	0005	4"	COLLAR
2	9K1	150040.00	0017	6"	K-COLLAR/R/ROTH (6KC/413)
2	9K1	150040.00	0083	14"	K-COLLAR/R/ROTH (14KC/413)

QUANTITY	DESCRIPTION
1	3F14 1500040.0099
87	3N 150015.0005
	14" FOIL FLEX R6
	3" PLAIN FLEX (NIS)

AMERICANA	HVAC PLAN
<i>SIERRA</i>	
ALL ELEVATIONS	
DRAWN BY:	GARAGE: RIGHT
RELEASE DATE:	02-16-11

FLORIDA
THIS STRUCTURE WAS DESIGNED
IN ACCORDANCE AND MEETS THE
REQUIREMENTS OF SECTION
R301 OF THE FLORIDA BUILDING
CODE 2010 ; RESIDENTIAL ALL
CONNECTORS HAVE BEEN CHECKED
TO WITHSTAND ALL APPLICABLE
LOADS, EXPOSURE B, ENCLOSED
BUILDING AND RISK CATEGORY II,
DESIGNED WIND SPEED
Vult = 160 MPH
Vasd = 124 MPH

Maronda Homes

PHOTOCELL DATA	US-237U
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PLOT DATE: 24 MAY 2012

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03-15-12 REV. PER 2010 FBC : RESIDENTIAL

PRODUCT APPROVAL INFORMATION SHEET FOR FLORIDA

Project Name: _____ Project Address: _____

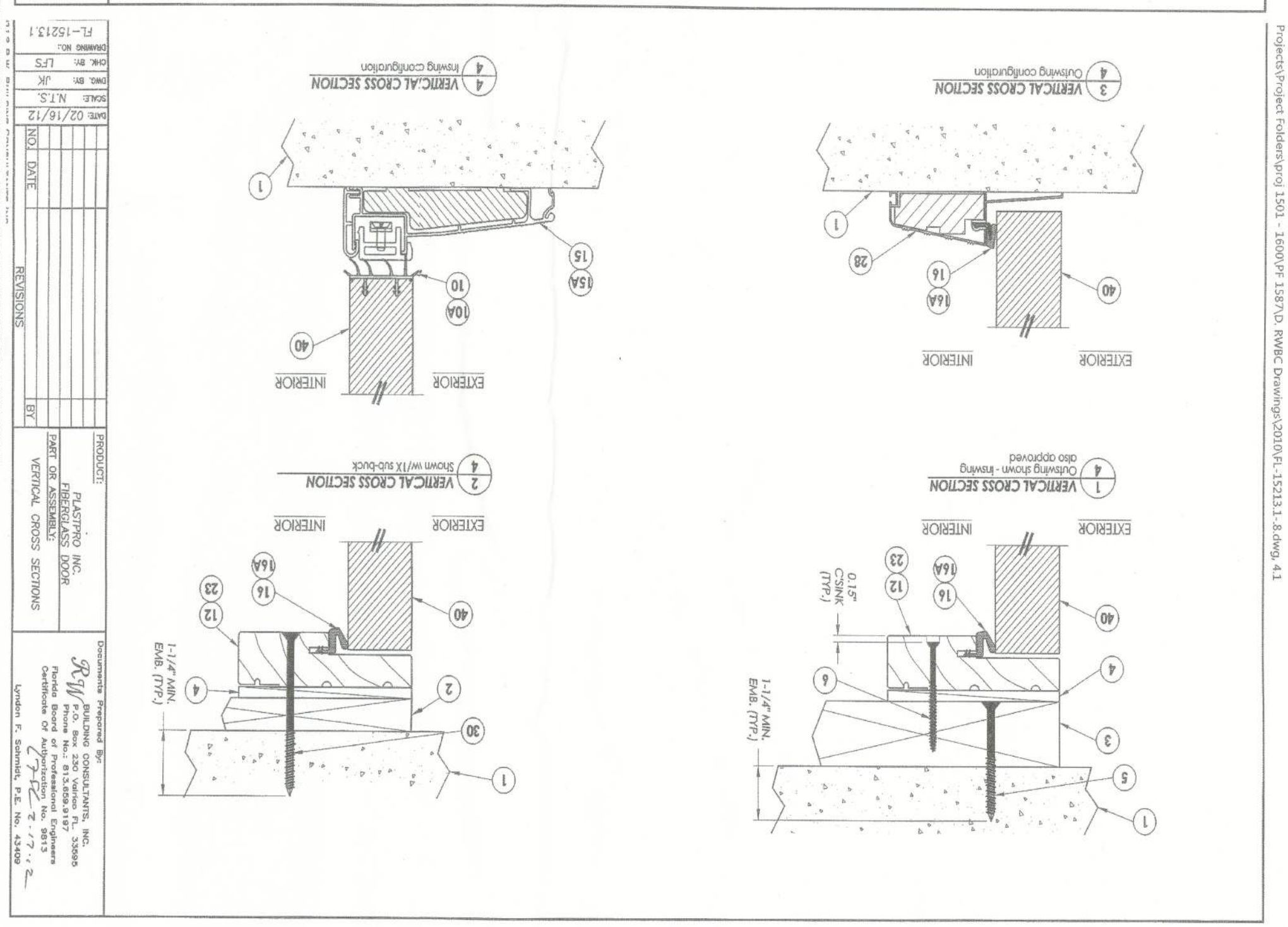
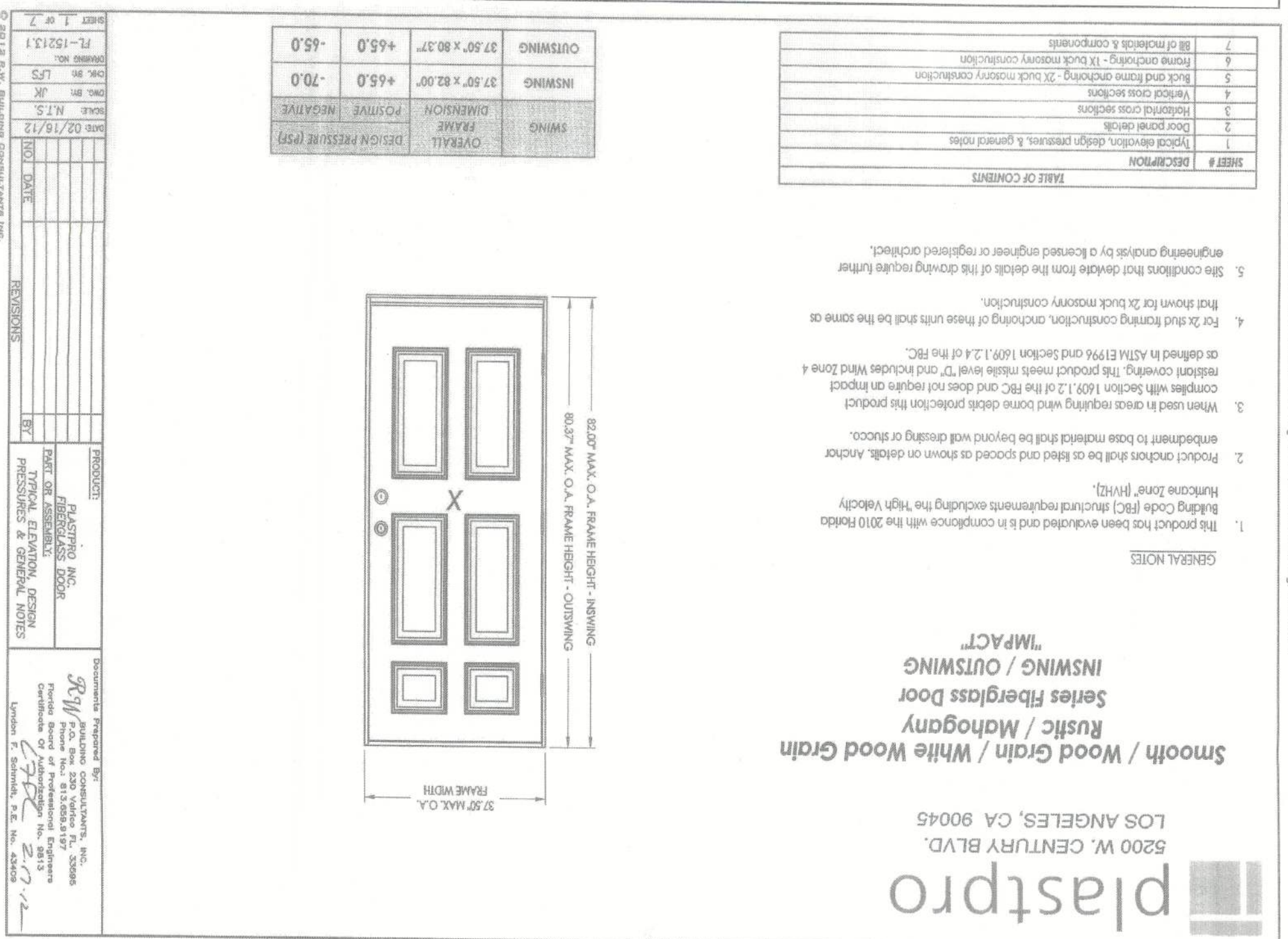
As required by Florida Statute 553.842 and Florida Administrative Code 9B-72, please provide the information and product approval number(s) for the building components listed below as applicable to the building construction project for the permit number listed above. You should contact your product supplier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

REVISED 7-13-2011

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	APPROVAL #	Design Pressures
A. EXTERIOR DOORS	Plastro Inc. / Nanya Plastics Corp.	Fiberglass Dr Single	Evaluated for use in locations adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.	FL 15213.1	+65 / -70
		Fiberglass Dr w/ Sidelite		FL 15213.4	+50 / -50
		Fiberglass Dr w/ Dbl Sidelites		FL 15213.5	+50 / -50
		Fiberglass Dr Single		FL 15215.1	+50 / -50
2. Sliding	MI Windows & Doors	Sliding Glass Door	Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 11956	+35 / -35
		Garage Doors 9100 / 5120		FL 9174.1	+26.9 / -30.8
		Wayne Dalton Corp.	As indicated in evaluation report and in HVHZ.	FL 9174.6	+39.2 / -43.7
		MI Windows & Doors	53" x 76" Max Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 11827	+45 / -45
B. WINDOWS		Single hung			
		Roll up			
		4. Roll up			
		3. Sectional			

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	APPROVAL #	Design Pressures
2. Horizontal slider	MI Windows & Doors	Series 188	62" x 73" OX Max Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 15351-R1	+55 / -55
		Series 740/3740	73" x 71" Max Windows have not been evaluated for use in High Velocity Hurricane Zones.	FL 11825	+45 / -45
		MI Windows & Doors			
		MI Windows & Doors			
9. Mullion	Mullion	5764	adhering to the Florida Building Code and where pressure requirements as determined by ACSE 7 Minimum Design Loads for Building and Other Structures.	FL 15353.3	
		5765		FL 13402.2	
		5766A		FL 15353.6	
		5767		FL 15353.7	
10. Wind breaker					
		11. Dual action			
		12. Other			
		C. PANEL WALL			
1. Siding	James Hardie Building Products, Inc.	HardiePlank Lap Siding	Approved for use in HVHZ and outside HVAZ. Impact resistant	FL 13192	N/A
		CertainTeed Corp. siding Products	Not approved for use in HVHZ. Used for exterior cladding only.	FL 1573	+N/A/-91
		ALUMINUM COILS INC.	For use as soffit only. Not for use in HVHZ.	FL 12194-R1	+48.0/64.2
		2. Soffit			
D. ROOFING PRODUCTS	Owens Corning	Asphalt Shingle	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade Must be followed.	FL 10674-R6	N/A
		Asphalt Shingle		FL 5444-R4	N/A
		Concrete Roof Tile		FL 7804-R6	N/A
		Entegra Roof Tile Inc			

Category/Subcategory	Manufacturer	Product Description	Limitation of Use	APPROVAL #	Design Pressures
2. Underlayments	WOODLAND INDUSTRIES, INC.	15# Felt Paper Underlayment	For use under discontinuous roofing systems with slopes greater than 2:12. Not to be used in HVHZ.	FL 1814-R6	N/A
				4. Nonstructural metal roof	
				5. Built-up roofing	
				6. Modified bitumen	
				7. Single ply roofing	
				8. Roofing tiles	
				9. Roofing insulation	
				11. Wood shingles/shakes	
				12. Roofing slate	
				13. Liquid applied roofing	
E. SHUTTERS	Owens Corning Lamanco	Ridge Vent Off Ridge Vent	This Approval not for use in the HVHZ. All FBC sections that apply to counties except Broward and Miami-Dade Must be followed.	FL 10758-R2	N/A
				FL 3792-R6	N/A
				17. Roof vents	
				16. Spray applied polyurethane roof	
				15. Roof tile adhesive	
				14. Cement-adhesive coats	
				13. Liquid applied roofing	
				12. Roofing slate	
				11. Wood shingles/shakes	
				10. Roofing tiles	
F. STRUCTURAL COMPONENTS	United Steel Products	Anchors, Hangers Etc. Structural Components Wood Connectors	Subject to limitation and installation instructions specified in NOA 05-0105.05.	FL578-R3, FL817-R3	
				FL822-R3	
				FL1247-R2	
				FL2033-R3	
				FL631-R2	
				FL6223-R2	
				FL10739-R1	
				FL1164-R1	
				FL11748-R1	
				FL13170-R1	
F. STRUCTURAL COMPONENTS	Mitek Industries Inc.	Truss Connectors	No Limitation of Use.	FL 2197 R4	N/A
				FL 6527-R5	
				FL 1630-R7	
				3. Engineered lumber	
				5. Coolers-freezers	
				6. Concrete admixtures	
				7. Material	
				8. Insulation forms	
				9. Plastics	
				10. Deck-roof	
G. SKYLIGHTS	Powers Steel Inc.	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 HV/HZ Miami or Broward counties at this time.	FL 3119-R3	N/A
				FL 5450-R2	
				FL 11383-R1	
				13. Other	
				12. Sheds	
				11. Wall	
				10. Deck-roof	
				9. Plastics	
				8. Insulation forms	
				7. Material	
H. NEW EXTERIOR ENVELOPE PRODUCTS					



11 JAM

2.65" 2.17" 4.56" 1.21" 7/8"

12 KÖRPER MIT JAM

2.65" 2.17" 4.56" 1.21" 7/8"

13 ADJUSTABLE HINGING BL

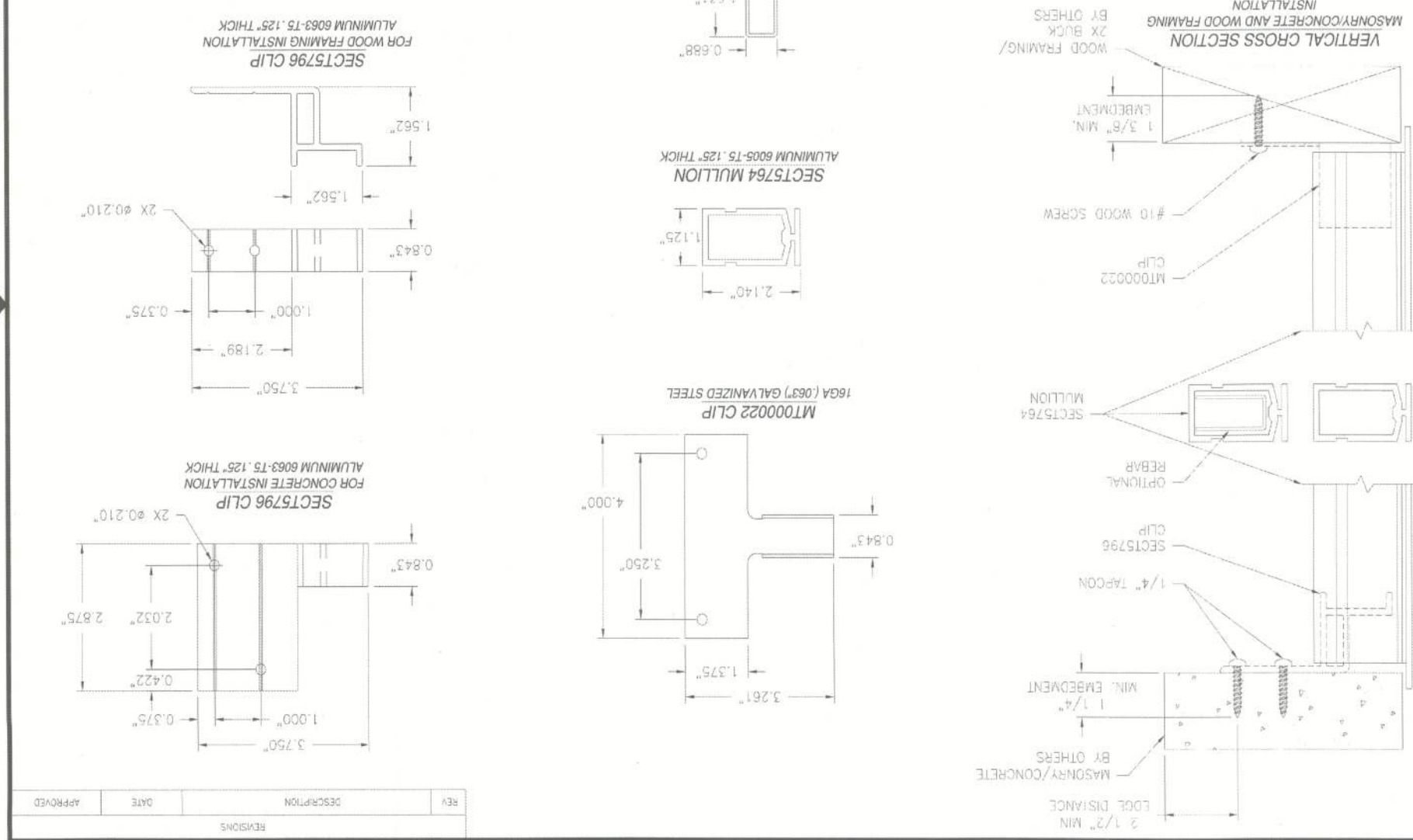
1.37" 5.62"

SHEET:					
ED-0					
FIBERGLASS EXTERIOR DOORS					
INSWING / OUTSWING					
DRAWN BY: FESSIA					
RELEASE DATE:					
DESIGNED WIND SPEED: AIR 150 MPH GUST 224 MPH					
TODAY'S STRUCTURE WAS DESIGNED IN ACCORDANCE WITH THE REQUIREMENTS OF SECTION 800.2 AND 800.3. RESISTANCE TO CONNECTIONS HAVE BEEN CHECKED ON WHISTLES AND APPLICABLE LOADS EXPOSURE IS ENCLOSED.					
BUILDING AND RISK CATEGORY II.					
MARONDA HOMES					
4005 MARONDA WAY SAN DIEGO, CA 92171 (407) 321-0064					
REVISIONS :					
A	B	C	D	E	F
Product Approval					
FL# 15213.1					

NOTES: CLIPS MAY BE USED IN MASONRY/CONCRETE OR WOOD FRAMING SUBSTRATE.

DATE	08-01-13	SHEET	3 OF 3
REV			
DESCRIPTION	MI WINDOWS AND DOORS		
	650 WEST MARKET STREET GARFIELD, PA 17030-0370		
	5764 - VERTICAL MULLION 8" MULLION SPAN		
	INSTALLATION DETAILS AND COMPONENTS		

U.S. R. LOMAS	U.S. R. LOMAS
FLORIDA	FLORIDA
STATE OF	STATE OF
PROFESSIONAL ENGINEER	PROFESSIONAL ENGINEER
NO. 8521	NO. 8521



DESIGN PRESSURE (psf)			WIND SPEED (mph)		
4.00	4.20	4.40	4.60	4.80	5.00
7.00	7.20	7.40	7.60	7.80	8.00
8.00	8.20	8.40	8.60	8.80	9.00
9.00	9.20	9.40	9.60	9.80	10.00
10.00	10.20	10.40	10.60	10.80	11.00
12.00	12.20	12.40	12.60	12.80	13.00
14.00	14.20	14.40	14.60	14.80	15.00
16.00	16.20	16.40	16.60	16.80	17.00
18.00	18.20	18.40	18.60	18.80	19.00
20.00	20.20	20.40	20.60	20.80	21.00
22.00	22.20	22.40	22.60	22.80	23.00
24.00	24.20	24.40	24.60	24.80	25.00
26.00	26.20	26.40	26.60	26.80	27.00
28.00	28.20	28.40	28.60	28.80	29.00
30.00	30.20	30.40	30.60	30.80	31.00
32.00	32.20	32.40	32.60	32.80	33.00
34.00	34.20	34.40	34.60	34.80	35.00
36.00	36.20	36.40	36.60	36.80	37.00
38.00	38.20	38.40	38.60	38.80	39.00
40.00	40.20	40.40	40.60	40.80	41.00
42.00	42.20	42.40	42.60	42.80	43.00
44.00	44.20	44.40	44.60	44.80	45.00
46.00	46.20	46.40	46.60	46.80	47.00
48.00	48.20	48.40	48.60	48.80	49.00
50.00	50.20	50.40	50.60	50.80	51.00
52.00	52.20	52.40	52.60	52.80	53.00
54.00	54.20	54.40	54.60	54.80	55.00
56.00	56.20	56.40	56.60	56.80	57.00
58.00	58.20	58.40	58.60	58.80	59.00
60.00	60.20	60.40	60.60	60.80	61.00
62.00	62.20	62.40	62.60	62.80	63.00
64.00	64.20	64.40	64.60	64.80	65.00
66.00	66.20	66.40	66.60	66.80	67.00
68.00	68.20	68.40	68.60	68.80	69.00
70.00	70.20	70.40	70.60	70.80	71.00
72.00	72.20	72.40	72.60	72.80	73.00
74.00	74.20	74.40	74.60	74.80	75.00
76.00	76.20	76.40	76.60	76.80	77.00
78.00	78.20	78.40	78.60	78.80	79.00
80.00	80.20	80.40	80.60	80.80	81.00
82.00	82.20	82.40	82.60	82.80	83.00
84.00	84.20	84.40	84.60	84.80	85.00
86.00	86.20	86.40	86.60	86.80	87.00
88.00	88.20	88.40	88.60	88.80	89.00
90.00	90.20	90.40	90.60	90.80	91.00
92.00	92.20	92.40	92.60	92.80	93.00
94.00	94.20	94.40	94.60	94.80	95.00
96.00	96.20	96.40	96.60	96.80	97.00
98.00	98.20	98.40	98.60	98.80	99.00
100.00	100.20	100.40	100.60	100.80	101.00
102.00	102.20	102.40	102.60	102.80	103.00
104.00	104.20	104.40	104.60	104.80	105.00
106.00	106.20	106.40	106.60	106.80	107.00
108.00	108.20	108.40	108.60	108.80	109.00
110.00	110.20	110.40	110.60	110.80	111.00
112.00	112.20	112.40	112.60	112.80	113.00
114.00	114.20	114.40	114.60	114.80	115.00
116.00	116.20	116.40	116.60	116.80	117.00
118.00	118.20	118.40	118.60	118.80	119.00
120.00	120.20	120.40	120.60	120.80	121.00
122.00	122.20	122.40	122.60	122.80	123.00
124.00	124.20	124.40	124.60	124.80	125.00
126.00	126.20	126.40	126.60	126.80	127.00
128.00	128.20	128.40	128.60	128.80	129.00
130.00	130.20	130.40	130.60	130.80	131.00
132.00	132.20	132.40	132.60	132.80	133.00
134.00	134.20	134.40	134.60	134.80	135.00
136.00	136.20	136.40	136.60	136.80	137.00
138.00	138.20	138.40	138.60	138.80	139.00
140.00	140.20	140.40	140.60	140.80	141.00
142.00	142.20	142.40	142.60	142.80	143.00
144.00	144.20	144.40	144.60	144.80	145.00
146.00	146.20	146.40	146.60	146.80	147.00
148.00	148.20	148.40	148.60	148.80	149.00
150.00	150.20	150.40	150.60	150.80	151.00
152.00	152.20	152.40	152.60	152.80	153.00
154.00	154.20	154.40	154.60	154.80	155.00
156.00	156.20	156.40	156.60	156.80	157.00
158.00	158.20	158.40	158.60	158.80	159.00
160.00	160.20	160.40	160.60	160.80	161.00
162.00	162.20	162.40	162.60	162.80	163.00
164.00	164.20	164.40	164.60	164.80	165.00
166.00	166.20	166.40	166.60	166.80	167.00
168.00	168.20	168.40	168.60	168.80	169.00
170.00	170.20	170.40	170.60	170.80	171.00
172.00	172.20	172.40	172.60	172.80	173.00
174.00	174.20	174.40	174.60	174.80	175.00
176.00	176.20	176.40	176.60	176.80	177.00
178.00	178.20	178.40	178.60	178.80	179.00
180.00	180.20	180.40	180.60	180.80	181.00
182.00	182.20	182.40	182.60	182.80	183.00
184.00	184.20	184.40	184.60	184.80	185.00
186.00	186.20	186.40	186.60	186.80	187.00
188.00	188.20	188.40	188.60	188.80	189.00
190.00	190.20	190.40	190.60	190.80	191.00
192.00	192.20	192.40	192.60	192.80	193.00
194.00	194.20	194.40	194.60	194.80	195.00
196.00	196.20	196.40	196.60	196.80	197.00
198.00	198.20	198.40	198.60	198.80	199.00
200.00	200.20	200.40	200.60	200.80	201.00
202.00	202.20	202.40	202.60	202.80	203.00
204.00	204.20	204.40	204.60	204.80	205.00
206.00	206.20	206.40	206.60	206.80	207.00
208.00	208.20	208.40	208.60	208.80	209.00
210.00	210.20	210.40	210.60	210.80	211.00
212.00	212.20	212.40	212.60	212.80	213.00
214.00	214.20	214.40	214.60	214.80	215.00
216.00	216.20	216.40	216.60	216.80	217.00
218.00	218.20	218.40	218.60	218.80	219.00
220.00	220.20	220.40	220.60	220.80	221.00
222.00	222.20	222.40	222.60	222.80	223.00
224.00	224.20	224.40	224.60	224.80	225.00
226.00	226.20	226.40	226.60	226.80	227.00
228.00	228.20	228.40	228.60	228.80	229.00
230.00	230.20	230.40	230.60	230.80	231.00
232.00	232.20	232.40	232.60	232.80	233.00
234.00	234.20	234.40	234.60	234.80	235.00
236.00	236.20	236.40	236.60	236.80	237.00
238.00	238.20	238.40	238.60	238.80	239.00
240.00	240.20	240.40	240.60	240.80	241.00
242.00	242.20	242.40	242.60	242.80	243.00
244.00	244.20	244.40	244.60	244.80	245.00
246.00	246.20	246.40	246.60	246.80	247.00
248.00	248.20	248.40	248.60	248.80	249.00
250.00	250.20	250.40	250.60	250.80	251.00
252.00	252.20	252.40	252.60	252.80	253.00
254.00	254.20	254.40	254.60	254.80	255.00
256.00	256.20	256.40	256.60	256.80	257.00
258.00	258.20	258.40	258.60	258.80	259.00
260.00	260.20	260.40	260.60	260.80	261.00
262.00	262.20	262.40	262.60	262.80	263.00
264.00	264.20	264.40	264.60	264.80	265.00
266.00	266.20	266.40	266.60	266.80	267.00
268.00	268.20	268.40	268.60	268.80	269.00
270.00	270.20	270.40	270.60	270.80	271.00
272.00	272.20	272.40	272.60	272.80	273.00
274.00	274.20	274.40	274.60	274.80	275.00
276.00	276.20	276.40	276.60	276.80	277.00
278.00	278.20	278.40	278.60	278.80	279.00
280.00	280.20	280.40	280.60	280.80	281.00
282.00	282.20	282.40	282.60	282.80	283.00
284.00	284.20	284.40	284.60	284.80	285.00
286.00	286.20	286.40	286.60	286.80	287.00
288.00	288.20	288.40	288.60	288.80	289.00
290.00	290.20	290.40	290.60	290.80	291.00
292.00	292.20	292.40	292.60	292.80	293.00
294.00	294.20	294.40	294.60	294.80	295.00
296.00	296.20	296.40	296.60	296.80	297.00
298.00	298.20	298.40	298.60	298.80	299.00
300.00	300.20	300.40	300.60	300.80	301.00
302.00	302.20	302.40	302.60	302.80	303.00
304.00	304.20	304.40	304.60	304.80	305.00
306.00	306.20	306.40	306.60	306.80	307.00
308.00	308.20	308.40	308.60	308.80	309.00
310.00	310.20	310.40	310.60	310.80	311.00
312.00	312.20	312.40	312.60	312.80	313.00
314.00	314.20	314.40	314.60	314.80	315.00
316.00	316.20	316.40	316.60	316.80	317.00
318.00	318.20	318.40	318.60	318.80	319.00
320.00	320.20	320.40	320.60	320.80	321.00
322.00	322.20	322.40	322.60	322.80	323.00
324.00	324.20	324.40	324.60	324.80	325.00
326.00	326.20	326.40	326.60	326.80	327.00
328.00	328.20	328.40	328.60	328.80	329.00
330.00	330.20	330.40	330.60	330.80	331.00
332.00	332.20	332.40	332.60	332.80	333.00
334.00	334.20	334.40	334.60	334.80	335.00
336.00	336.20	336.40	336.60	336.80	337.00
338.00	338.20	338.40	338.60	338.80	339.00
340.00	340.20	340.40	340.60	340.80	341.00
342.00	342.20	342.40	342.60	342.80	343.00
344.00	344.20	344.40	344.60	344.80	345.00
346.00	346.20	346.40	346.60	346.80	347.00
348.00	348.20	348.40	348.60	348.80	349.00
350.00	350.20	350.40	350.60	350.80	351.00
352.00	352.20	352.40	352.60	352.80	353.00
354.00	354.20	354.40	354.60	354.80	355.00
356.00	356.20	356.40	356.60	356.80	357.00
358.00	358.20	358.40	358.60	358.80	359.00
360.00	360.20	360.40	360.60	360.80	361.00
362.00	362.20	362.40	362.60	362.80	363.00

