

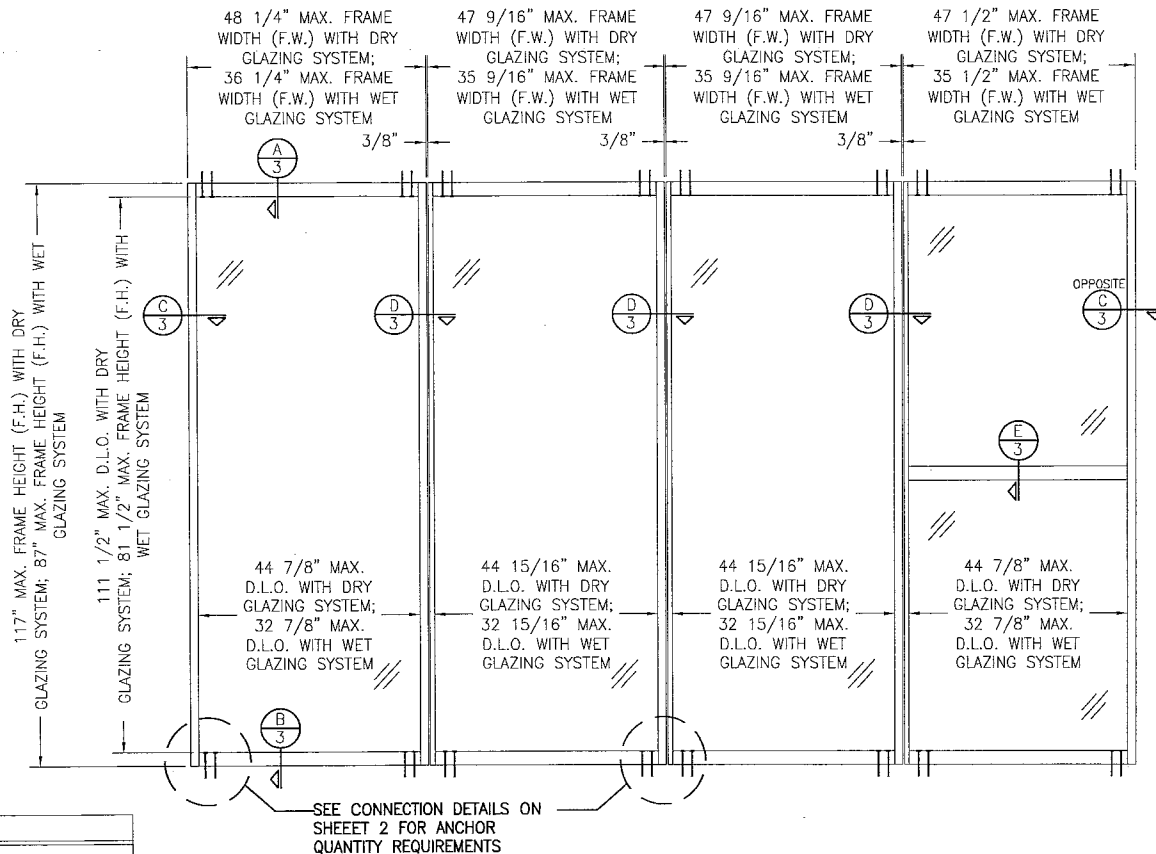
GENERAL NOTES:

1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS & SHALL NOT VARY UNLESS SPECIFICALLY MENTIONED ON THE DRAWINGS. SPECIFIED ANCHOR EMBED TO BASE MATERIAL SHALL BE BEYOND WALL FINISH OR STUCCO.
4. THIS PRODUCT HAS BEEN DESIGNED IN ACCORDANCE WITH AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE (FBC) INCLUDING HIGH VELOCITY HURRICANE ZONES (HVHZ) & IS SMALL MISSILE IMPACT RATED.
5. THIS PRODUCT MAY NOT BE INSTALLED AT ELEVATIONS BELOW 30 FT. ABOVE GRADE OR AT ANY CODE DESIGNATED LARGE MISSILE IMPACT LOCATION WITHOUT AN APPROVED SHUTTER.
6. ALL ANCHORS SECURING PRODUCT FRAMES TO PRESSURE TREATED BUCKS OR WOOD FRAMING SHALL BE CAPABLE OF RESISTING CORROSION CAUSED BY THE PRESSURE TREATING CHEMICALS IN THE WOOD.
7. DETERMINE THE POSITIVE & NEGATIVE DESIGN LOADS TO USE WHEN REFERENCING THESE DOCUMENTS IN ACCORDANCE WITH THE GOVERNING CODE AND GOVERNING WIND VELOCITY. FOR WIND LOAD CALCULATIONS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE, A DIRECTIONALITY FACTOR OF $K_d = 0.85$ MAY BE APPLIED PER THE ASCE-7 STANDARD.
8. MATERIALS, INCLUDING BUT NOT LIMITED TO STEEL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF FLORIDA BUILDING CODE.
9. TO THE BEST OF OUR KNOWLEDGE, THE PRODUCT SHOWN HEREIN IS QUALITY ASSURED BY A FLORIDA STATE APPROVED CERTIFICATION/CA ENTITY & SHALL BE LABELED IN ACCORDANCE WITH THE FBC AND THE FLORIDA DEPARTMENT OF BUSINESS & PROFESSIONAL REGULATION SPECIFICATIONS. THESE DRAWINGS SHOW ALL APPLICABLE ELEVATION, COMBINATION, INSTALLATION & COMPARATIVE ANALYSIS CONDITIONS AS DETERMINED THROUGH TESTING & ENGINEERING RATIONAL ANALYSIS. PRODUCT ASSEMBLY SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, THE MANUFACTURER'S QUALITY ASSURANCE SPECIFICATIONS & TESTING REPORTS.
10. CERTIFICATION OF THIS PRODUCT SHALL BE CONSIDERED VOID IF IT IS INSTALLED WITHOUT A BUILDING PERMIT FROM THE APPLICABLE LOCAL BUILDING DEPARTMENT OR IF IT IS INSTALLED BY ANYONE OTHER THAN A LICENSED CONTRACTOR EXPERIENCED WITH INSTALLATIONS OF THIS TYPE OF PRODUCT.

CORNER & FRAME END CONSTRUCTION:

FRAME CORNER: THE VERTICAL FRAME MEMBER RAN THROUGH WHILE THE HORIZONTAL FRAME MEMBER END WAS SQUARE CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL FRAME MEMBER USING THREE (3) #12 X 2 1/4" SCREWS & SEALED WITH DOW 795 SILICONE SEALANT.

HORIZONTAL (MID-RAIL) END: THE VERTICAL FRAME MEMBER RAN THROUGH WHILE THE HORIZONTAL FRAME MEMBER END WAS SQUARE CUT, BUTTED AND MECHANICALLY FASTENED TO THE VERTICAL FRAME MEMBER USING TWO (2) #12 X 2 1/4" SCREWS & SEALED WITH DOW 795 SILICONE SEALANT.



FRAME ANCHOR REQUIREMENTS TABLE

FRAME & SILL ANCHORS				
ANCHOR TYPE	OPENING TYPE (SUBSTRATE)	JAMB TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
A	2X_ WOOD FRAME OR BUCK (G=MIN. 0.55)	(1) 1/4" CONCRETE SCREW	1 3/8"	3/4"
B	(5) MIN. 16 GA. 50 KSI METAL STUD	(2) 1/4" SELF DRILL/TAP SCREW	FULL	1/2"
C	MIN. 1/4" THICK A36 STEEL	(2) 3/8" H.H. MACHINE SCREW	FULL	3/4"
D	MIN. 3000 P.S.I. CONCRETE	(3) 3/8" CONCRETE SCREW	2 3/4"	3"
E	MIN. 1/8" THICK A36 STEEL	(2) 1/4" SELF DRILL/TAP SCREW	FULL	1/2"
F	MIN. 3000 P.S.I. CONCRETE	(4) 1/4" CONCRETE SCREW	1 3/4"	3"

- (1) CONCRETE SCREWS INTO WOOD SHALL BE ELCO ULTRACONS, ELCO CRETE-FLEX, ITW RAMSET/RED HEAD TAPCONS OR HILTI KWIK-CON II (HARDENED STEEL OR S.S.).
- (2) SELF DRILLING/TAPPING SCREWS & MACHINE SCREWS SHALL BE MIN. GRADE 5 CORROSION RESISTANT STEEL
- (3) 3/8" CONCRETE SCREWS INTO CONCRETE SHALL BE POWERS WEDGE-BOLT OR HILTI HUS-H SCREW ANCHOR (STEEL OR S.S.)
- (4) 1/4" CONCRETE SCREWS INTO CONCRETE SHALL BE POWERS WEDGE-BOLT, ELCO ULTRACONS, ELCO CRETE-FLEX, HILTI KWIK-CON II OR ITW RAMSET/RED HEAD TAPCONS (STEEL OR S.S.).
- (5) STUD MAY BE REDUCED TO 33 KSI 18 GAGE PROVIDING A MIN. 2X4 WOOD BACKER IS PLACED BEHIND THE STUD AND THE ANCHORS PENETRATE THE BACKER MIN. 1 1/4" (WOOD BACKER MUST BE FULL LENGTH OF OPENING WITH ANY NECESSARY SPLICE JOINTS BEING POSITIONED AT LEAST 4" AWAY FROM ANY ANCHOR).

(1) ALLOWABLE DESIGN PRESSURE

GLAZING SYSTEM	ALLOWABLE PRESSURE
DRY GLAZING	±95 P.S.F.
WET GLAZING	±135 P.S.F.

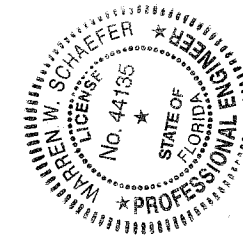
(1) SEE LOAD TABLES ON SHEET 2 FOR PRESSURE LIMITATIONS WITH RESPECT TO ANCHOR TYPE. LESSER OF PRESSURE IN ANCHOR LOAD TABLE AND THIS TABLE SHALL CONTROL.

EXTERIOR ELEVATION

MULTIPLE FIXED PANEL STORE FRONT ASSEMBLY

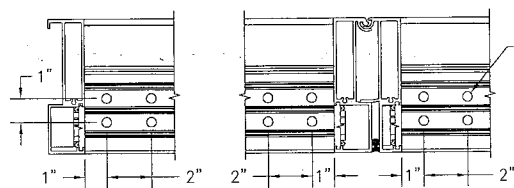
SCALE: 1/2"=1'-0"

EVALUATION OF THIS PRODUCT IS BASED ON APPLICABLE STANDARDS AND/OR INFORMATION & RESULTS FROM APPLICABLE TEST REPORTS. THE FLORIDA BUILDING CODE VERSION CONSIDERED WITH THIS EVALUATION WAS THAT IN FORCE AT THE TIME OF THE EVALUATION. IN THE EVENT OF CODE VERSION CHANGES/UPDATES OR IN THE EVENT THAT NEW OR ADDITIONAL TESTING IS COMPLETED ON THIS PRODUCT, PRIOR TO STATING CODE COMPLIANCE WITH THE STATE, THE MANUFACTURER SHALL CONFIRM WITH THE EVALUATION ENGINEER OF RECORD THAT EVERYTHING SPECIFIED HERE-IN IS CURRENT WITH ALL CURRENT TESTING, CODES AND APPLICABLE STANDARDS.

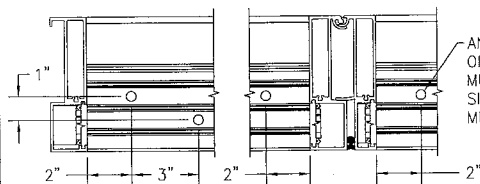


THESE DRAWINGS ARE APPLICABLE ONLY TO THE PRODUCT SPECIFIED. THEY MAY NOT BE USED FOR THE ASSEMBLY AND/OR INSTALLATION OF ANY OTHER PRODUCT NOR MAY THEY BE USED FOR RATIONAL AND/OR LOCAL APPROVAL OF ANY PRODUCT NOT PRODUCED BY THE MANUFACTURER STATED ON THESE DRAWINGS.

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	
NO. 1		NO. 1	
DESCRIPTION: UPDATE FOR CODE COMPLIANCE		DESCRIPTION: UPDATE FOR CODE COMPLIANCE	
BY: W.R.M.		BY: W.W.S.	
DATE: 04/16/08		DATE: 11/02/05	
BY: W.R.M.		BY: W.W.S.	
REVISION: 1-24		REVISION: 1-24	



MULLION END CONNECTION DETAIL
(ANCHOR TYPES "A" & "B")

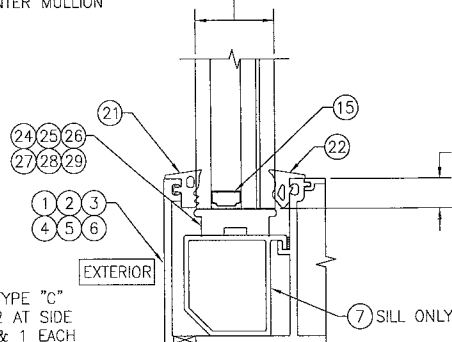


MULLION END CONNECTION DETAIL
(ANCHOR TYPES "C" & "D")

ANCHOR LOAD TABLE				
(1) MAXIMUM FRAME HEIGHT (IN.)	(1) MAXIMUM FRAME WIDTH (IN.)	(2) ALLOWABLE PRESSURE (P.S.F.)		
		ANCHOR TYPE A & B	ANCHOR TYPE C & D	ANCHOR TYPE E & F
117	48	87.4	95.0	75.3
	42	95.0	95.0	86.0
	36	95.0	95.0	95.0
108	48	95.0	95.0	81.6
	42	95.0	95.0	93.2
	36	95.0	95.0	95.0
96	48	95.0	95.0	91.8
	42	95.0	95.0	95.0
90	48	95.0	95.0	95.0
87	36	135.0	135.0	135.0

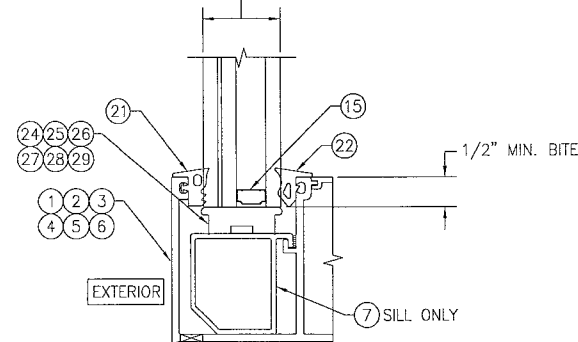
(1) MAXIMUM FRAME HEIGHT & WIDTH DIMENSIONS SHOWN ARE $\pm 1/2"$
 (2) NOTE: PRESSURES ARE LIMITED TO 95 PSF WHEN FRAME HEIGHT IS GREATER THAN 87" OR FRAME WIDTH IS GREATER THAN 36". PRESSURES ARE LIMITED TO 135 PSF WHEN FRAME HEIGHT IS 87" OR LESS AND FRAME WIDTH IS 36" OR LESS.

1 5/16" THICK LAMINATED I.G. SOLUTIA SAFLEX GLASS WITH 1/4" THICK TEMPERED OUTER PANE, 1/2" AIR SPACER, AND 9/16" THICK LAMINATED INNER GLASS (1/4" H.S./0.06 SAFLEX IIIIG PVB/1/4" H.S.)

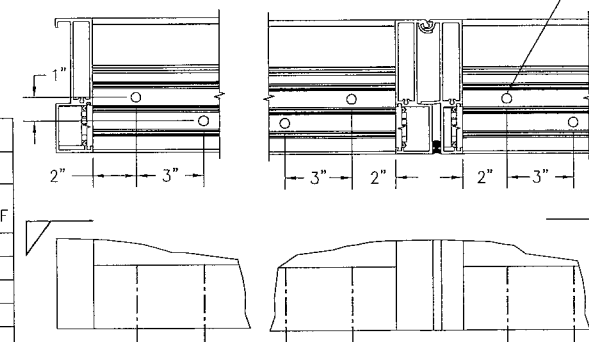


TYP. DRY GLAZING DETAIL 1
SCALE: 1/2 FULL

1 5/16" THICK LAMINATED I.G. SOLUTIA SAFLEX GLASS WITH 9/16" THICK LAMINATED OUTER GLASS (1/4" H.S./0.06 SAFLEX IIIIG PVB/1/4" H.S.), 1/2" AIR SPACER, AND 1/4" TEMPERED OR HEAT STRENGTHENED INTERIOR

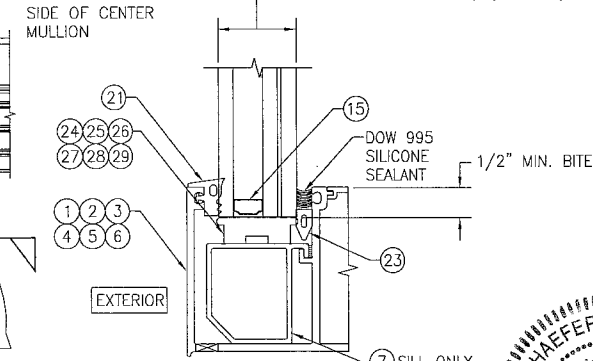


TYP. DRY GLAZING DETAIL 2
SCALE: 1/2 FULL

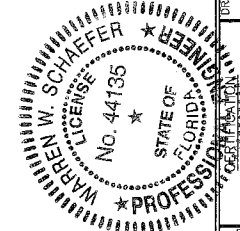


MULLION END CONNECTION DETAIL
(ANCHOR TYPES "E" & "F")

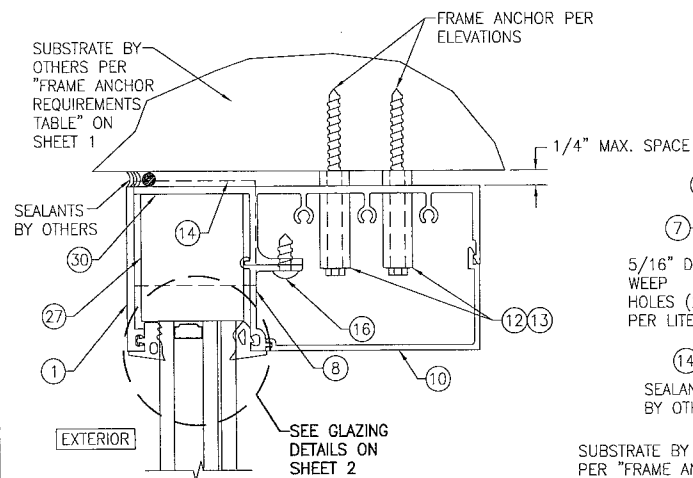
1 5/16" THICK LAMINATED I.G. GLASS WITH 1/4" THICK TEMPERED OUTER PANE, 1/2" AIR SPACER, AND 9/16" THICK LAMINATED INNER GLASS (1/4" H.S./0.06 EASTMAN CHEM. CO. SAFLEX/1/4" H.S.)



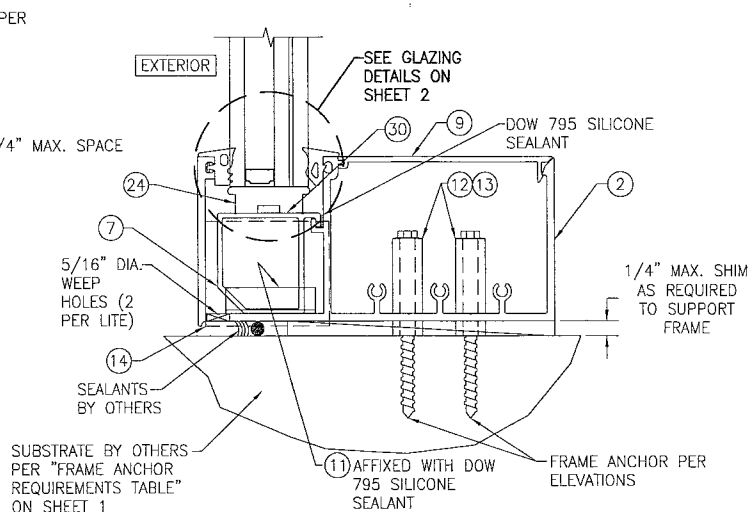
TYP. WET GLAZING DETAIL 1
SCALE: 1/2 FULL



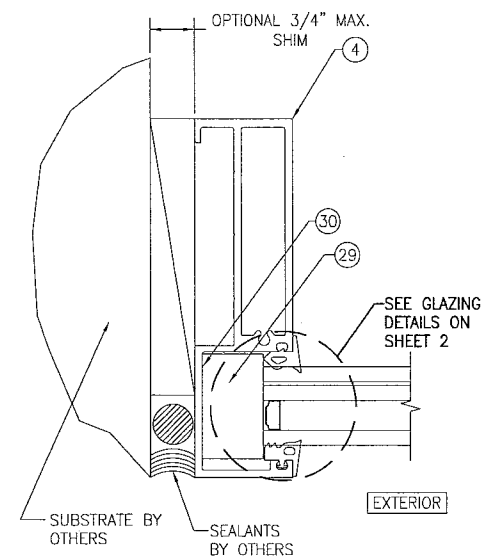
DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-2		DATE: 11/02/05	
NO.	REVISION	DESCRIPTION	DATE
1			
2			
DRAWING TITLE: IR 631 - SMALL MISSILE IMPACT STORE FRONT SYSTEM			
CONSULTANTS:		MANUFACTURER:	
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)		KAWNEER COMPANY, INC.	
7480 150TH COURT NORTH		555 GUTHRIE COURT	
PALM BEACH GARDENS, FL 33418		NORCROSS, GA 30092	
PHONE: 561-744-3424		770-449-5555	
JAN 07 2016			
WARREN W. SCHAEFER, P.E.			
P.E. NO. 44135			
DRAWING NO. 1458		REV. D	
SHEET NO. 2		OF 4	



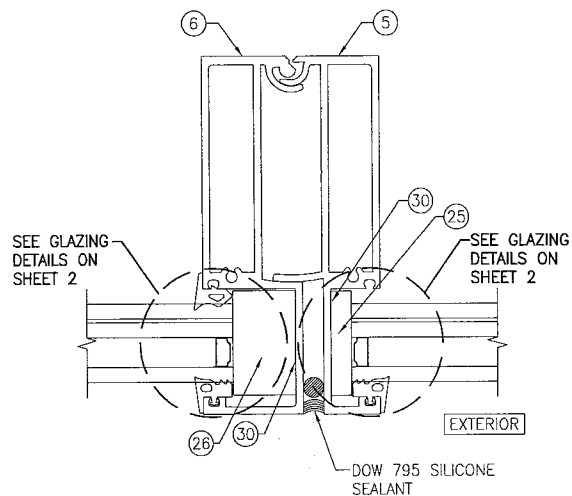
SECTION A
SCALE: 1/2 FULL



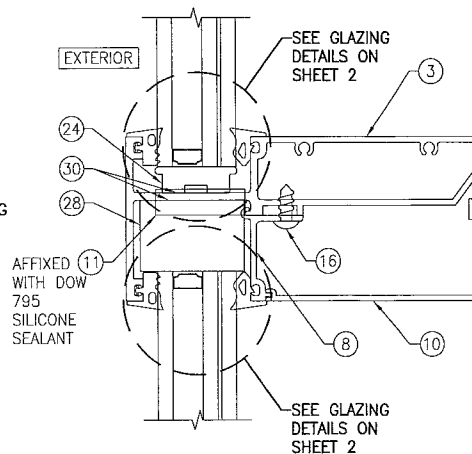
SECTION B
SCALE: 1/2 FULL



SECTION C
SCALE: 1/2 FULL



SECTION D
SCALE: 1/2 FULL



SECTION E
SCALE: 1/2 FULL



DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
DATE: 11/02/05	DATE: 11/02/05
NO.	REVISION DESCRIPTION
1	2
3	4
5	6
7	8
9	10
11	12
13	14
15	16
17	18
19	20
21	22
23	24
25	26
27	28
29	30
31	32
33	34
35	36
37	38
39	40
41	42
43	44
45	46
47	48
49	50
51	52
53	54
55	56
57	58
59	60
61	62
63	64
65	66
67	68
69	70
71	72
73	74
75	76
77	78
79	80
81	82
83	84
85	86
87	88
89	90
91	92
93	94
95	96
97	98
99	100

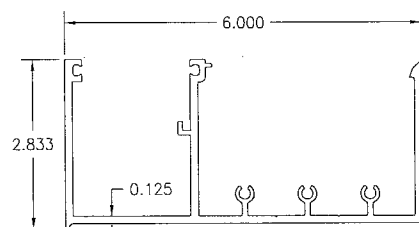
DRAWING TITLE
IR 631 - SMALL MISSILE IMPACT STORE FRONT SYSTEM

MANUFACTURER
KAWNEER COMPANY, INC.
555 GUTHRIE COURT
NORCROSS, GA 30092
770-449-5555

CONSULTANTS
W. W. SCHAEFER ENGINEERING
& CONSULTING, P.A. (CA 8809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

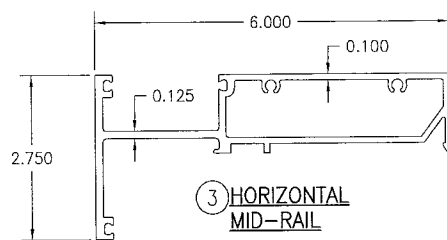
CERTIFICATION
JAN 07 2016
WARREN W. SCHAEFER, P.E.
P.E. NO. 44135

DRAWING NO.
1458
SHEET NO.
3 OF 4

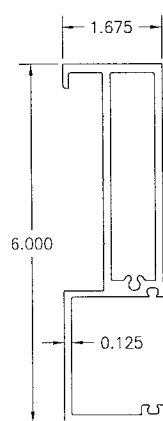


① HEAD

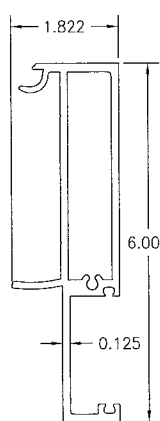
② SILL



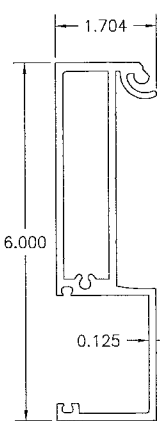
③ HORIZONTAL
MID-RAIL



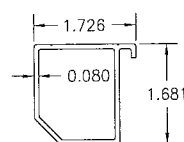
④ JAMB MULLION



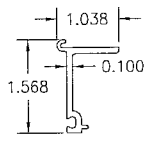
⑤ MALE
VERTICAL
HALF



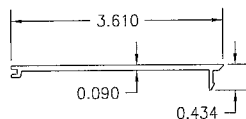
⑥ FEMALE
VERTICAL
HALF



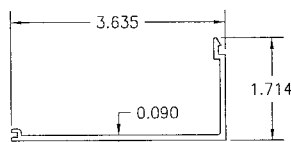
⑦ SETTING
BLOCK INFILL
CHAIR



⑧ GLASS
STOP



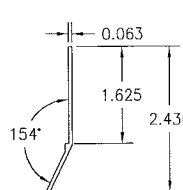
⑨ SILL
CAP/FILLER



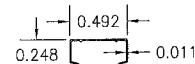
⑩ HEAD & HORIZONTAL
CAP/FILLER



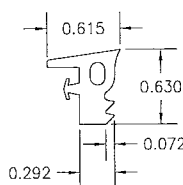
⑪ WATER DEFLECTOR



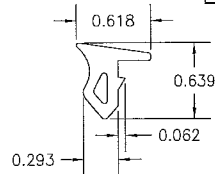
⑪ WATER DEFLECTOR



(15) 1/2" I.G.
GLASS SPACER



②① FIXED GASKET



②② WEDGE GASKET

ITEM #	PART #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS			
1	831-492	HEAD RAIL	6063-T6 ALUMINUM
2	831-496	SILL RAIL	6063-T6 ALUMINUM
3	831-495	HORIZONTAL MID-RAIL	6063-T6 ALUMINUM
4	831-499	JAMB MULLION	6063-T6 ALUMINUM
5	831-510	MALE VERTICAL HALF	6063-T6 ALUMINUM
6	831-511	FEMALE VERTICAL HALF	6063-T6 ALUMINUM
7	831-498	SETTING BLOCK INFILL CHAIR	6063-T6 ALUMINUM
8	831-493	GLASS STOP	6063-T6 ALUMINUM
9	831-497	SILL CAP/FILLER	6063-T6 ALUMINUM
10	831-494	HEAD & HORIZONTAL CAP/FILLER	6063-T6 ALUMINUM
11	831-656	WATER DEFLECTOR	6063-T6 ALUMINUM
12	-	1/4" X 1 1/4" SCH. 80 PIPE SLEEVE	ASTM A53F LOW-CARBON STEEL
13	-	3/8" X 1 1/4" SCH. 80 PIPE SLEEVE	ASTM A53F LOW-CARBON STEEL
14	575-038	END CAP	6063-T6 ALUMINUM
15	-	1/2" I.G. GLASS SPACER	3005 OR 3105 ALUMINUM
MISC. FASTENERS			
16	128-100	1/4" X 5/8" SELF TAPPING SCREW	3" FROM EACH END & ONE (1) AT MID-SPAN
SEALS AND SEALANTS			
21	027-850	FIXED GASKET	TREMCO; SHORE "A" 60 +/-5 DUROMETER EPDM
22	027-851	WEDGE GASKET (DRY GLAZING ONLY)	TREMCO; SHORE "A" 70 +/-5 DUROMETER EPDM
23	027-575	WEDGE GASKET (WET GLAZING ONLY)	TREMCO; SHORE "A" 60 +/-5 DUROMETER EPDM
24	831-552	SETTING BLOCK	KRP; SHORE "A" 85 DUROMETER EPDM
25	831-542	SIDE BLOCK; SHALLOW POCKET	KRP; SHORE "A" 85 DUROMETER EPDM
26	831-709	SIDE BLOCK; DEEP POCKET	KRP; SHORE "A" 85 DUROMETER EPDM
27	831-659	"W" BLOCK; HEAD	KRP; SHORE "A" 85 DUROMETER EPDM
28	123-391	"W" BLOCK; HORIZONTAL	KRP; SHORE "A" 85 DUROMETER EPDM
29	831-657	"W" BLOCK; JAMB	KRP; SHORE "A" 85 DUROMETER EPDM
30	027-895	DOUBLE SIDED TAPE	3M; ACRYLIC FOAM

DRAWING NO. 1458		REV D	
SHEET NO. 4 OF 4			
CERTIFICATION		JAN 07 2016 WARREN W. SCHAEFER, P.E.	
DRAWING TITLE IR 631-SMALL MISSILE IMPACT STORE FRONT SYSTEM		CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 150TH COURT NORTH PALM BEACH GARDENS, FL 33418	
		MANUFACTURER KAWNEER COMPANY, INC. 555 GUTHRIE COURT NORCROSS, GA 30092 770-2449-5555	
NO.	REVISION DESCRIPTION	BY	DATE
PLOT:	1=2	DRAWN BY: W.R.M.	CHECKED BY: W.R.S.
		DATE:	11/02/05