

GENERAL NOTES:

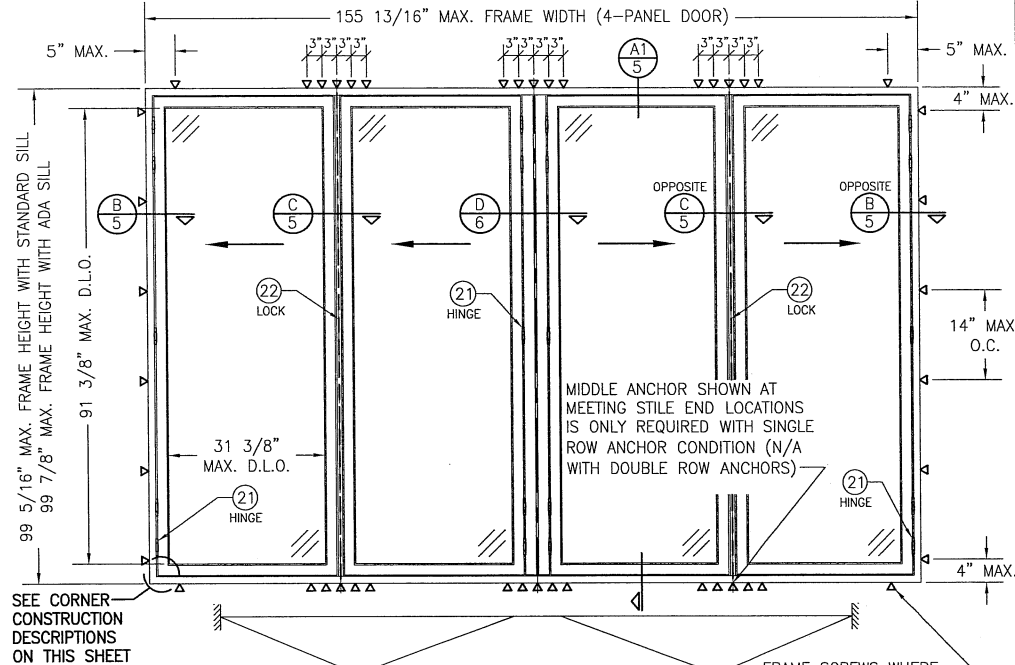
1. THIS PRODUCT HAS BEEN TESTED, ANALYZED & APPROVED FOR DESIGN PRESSURES NOT TO EXCEED THOSE SHOWN IN THE "ALLOWABLE DESIGN PRESSURE TABLE(S)".
2. OPENINGS, BUCKING & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED TO TRANSFER WIND LOADS TO THE STRUCTURE.
3. ALL HARDWARE & FASTENERS SHALL BE 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 LARGE MISSILE IMPACT RATED.
5. IMPACT SHUTTERS ARE NOT REQUIRED WITH THIS PRODUCT.
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/QA 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.

HINGE REQUIREMENTS

5 PER PANEL (ALL PANEL SIZES)
PLACED APPROXIMATELY 5" & 13" FROM
TOP & BOTTOM & AT MIDDLE OF PANEL

FRAME ANCHOR REQUIREMENTS TABLE

FRAME SCREWS			
OPENING TYPE (SUBSTRATE)	FRAME TO OPENING FASTENER TYPE	MINIMUM EMBED	MINIMUM EDGE DIST.
(1) SINGLE SCREW ROW			
MIN. 2X4 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 14 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 16 GA. 33 KSI METAL STUD	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	1/4" GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2 1/2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2 1/2"
DOUBLE SCREW ROW			
(3) MIN. 2X6 WOOD FRAME OR BUCK (MIN. GR. 3 & G=0.55)	NO. 10 SMS OR WOOD SCREW	1 1/4"	3/4"
MIN. 18 GA. 33 KSI METAL STUD	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK A36 STEEL	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. 1/8" THK 6063-T5 ALUM.	NO. 10 GR. 5 SELF TAP/DRILL SCREW	FULL	1/2"
MIN. C-90 CMU	(2) 1/4" CONCRETE SCREW	1 1/4"	2"
MIN. 2500 PSI CONCRETE	(2) 1/4" CONCRETE SCREW	1 1/2"	2"
(1)	WHEN SINGLE SCREW ROW ANCHORING METHOD IS USED SCREWS MUST HAVE A $\phi 3/4"$ O.D. FLAT WASHER AT THE SCREW HEAD.		
(2)	CONCRETE SCREWS SHALL BE ELCO ULTRACONS (C.S.), ELCO CRETE-FLEX (S.S.), ITW RAMSET/RED HEAD TAPCONS (C.S. OR S.S.) OR HILTI KWIK-CON II (C.S OR S.S.).		
(3)	2X6 WOOD BUCK MAY BE RIPPED DOWN TO 4 1/2" PROVIDING THAT REQ'D SCREW TO BUCK EDGE DISTANCES ARE MAINTAINED.		



**EXTERIOR ELEVATION:
(2 DIRECTION FOLDING PANELS)**
SCALE: 1/2" = 1'-0"

(4-PANEL DOOR SHOWN. SEE SHEET 4 FOR OTHER DOOR PANEL QUANTITY CONDITIONS AND RESTRICTIONS.)

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.

CORNER CONSTRUCTION:

FRAME (WITH STANDARD RAISED SILL): MEMBERS ARE MITERED, BUTTED & JOINED VIA (2)TWO CORNER KEYS (ITEM #12) EACH CORNER KEY IS SECURED WITH (2)TWO $\phi 5/16" \times 3/4"$ BRASS CONE PINS. CORNERS ARE SEALED WITH SILICONE SEALANT.
FLUSH SADDLE SILL: MEMBERS ARE SQUARE CUT, BUTTED & JOINED VIA AN END CAP WITH (3)THREE 1/8" X 5/8" FHIT SCREWS AT THE SILL & (2)TWO 1/8" X 5/8" FHIT SCREWS AT THE VERTICAL MEMBER. CORNERS ARE SEALED WITH A CUSHION WEATHERSTRIPPING.
RAIL TO STILE: MEMBERS ARE MITERED, BUTTED & JOINED VIA (2)TWO CORNER KEYS (ITEM #13 & #14) THE CORNER KEY IS SECURED BY CRIMPING (2)TWO LEGS EACH PANEL. CORNERS ARE SEALED WITH SILICONE SEALANT.

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: 10/18/11	DATE: 11/23/09
PLOT: 1-24	

(2) ALLOWABLE DESIGN PRESSURE

(1) MAX. FRAME HEIGHT (IN.)	MAX. D.L.O. WIDTH (IN.)	ALLOWABLE PRESSURE (PSF)	
		POS.	NEG.
99 7/8	31 3/8	70.0	70.0
	28 3/8	75.8	75.8
	25 3/8	80.0	82.5
	22 3/8	80.0	90.0
93 7/8	31 3/8	74.5	74.5
	28 3/8	80.0	80.6
	25 3/8	80.0	87.8
	24 3/8	80.0	90.0
87 7/8	31 3/8	79.6	79.6
	28 3/8	80.0	86.1
	26 3/8	80.0	90.0
	31 3/8	80.0	84.4
82 7/8	31 3/8	80.0	84.4
	28 3/8	80.0	90.0

(1) FRAME HEIGHT SHOWN CONSIDERS THE CONDITION WHEN A FLUSH SADDLE SILL IS USED. FRAME HEIGHT IS 9/16" LESS WHEN STANDARD SILL IS USED.
(2) WHEN A FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON THIS SHEET FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

DATE	BY	REVISION DESCRIPTION
10/18/11	W.R.M.	UPDATE CONSULTANT ADDRESS
02/19/13	W.W.S.	UPDATE TO CURRENT STANDARDS
07/12/19	W.W.S.	CHANGE TO STATE ONLY APPROVAL

DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS

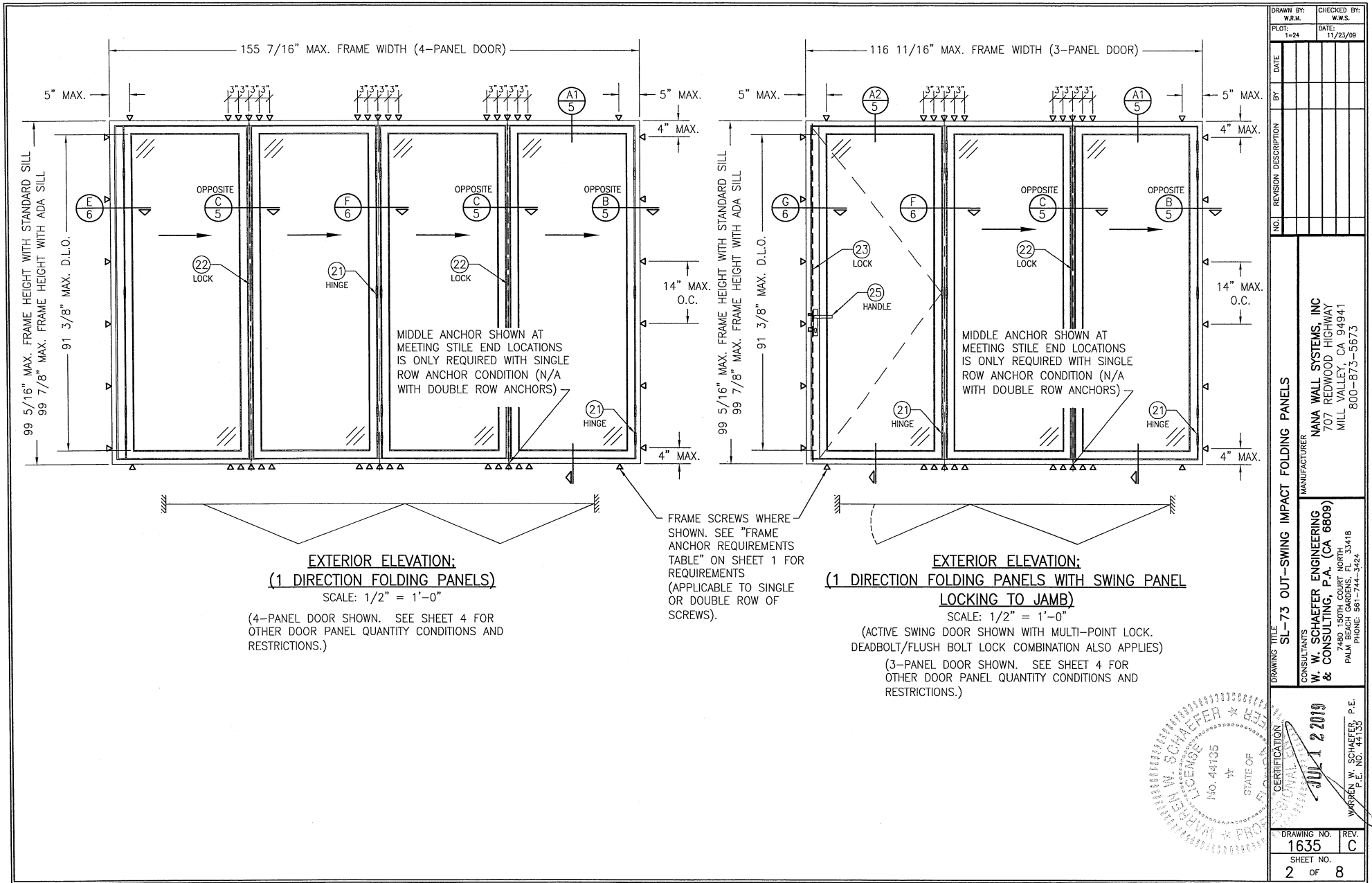
MANUFACTURER: NANA WALL SYSTEMS, INC
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3924



W. W. SCHAEFER, P.E.
7480 150TH COURT NORTH
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DRAWING NO. 1635	REV. C
SHEET NO. 1	OF 8



**EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS)**

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

(4-PANEL DOOR SHOWN. SEE SHEET 4 FOR OTHER DOOR PANEL QUANTITY CONDITIONS AND RESTRICTIONS.)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

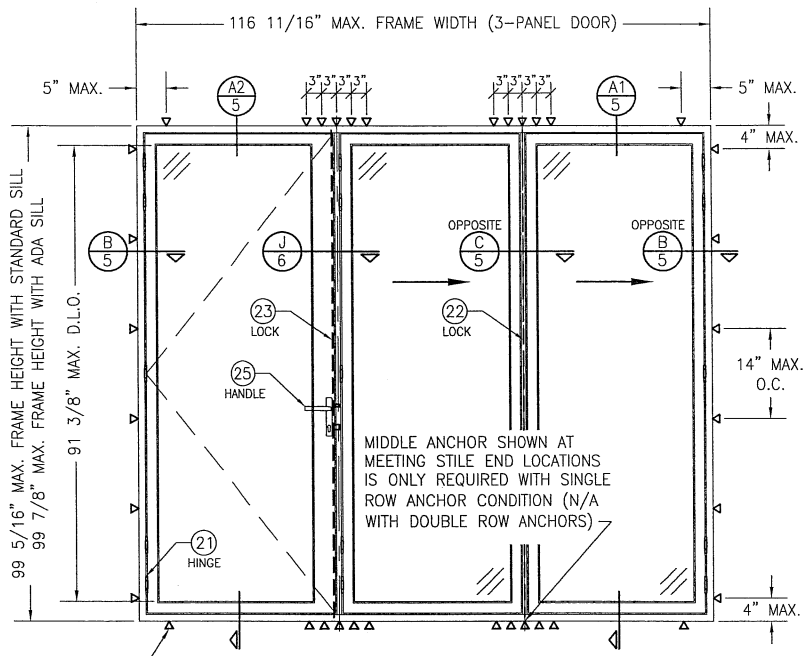
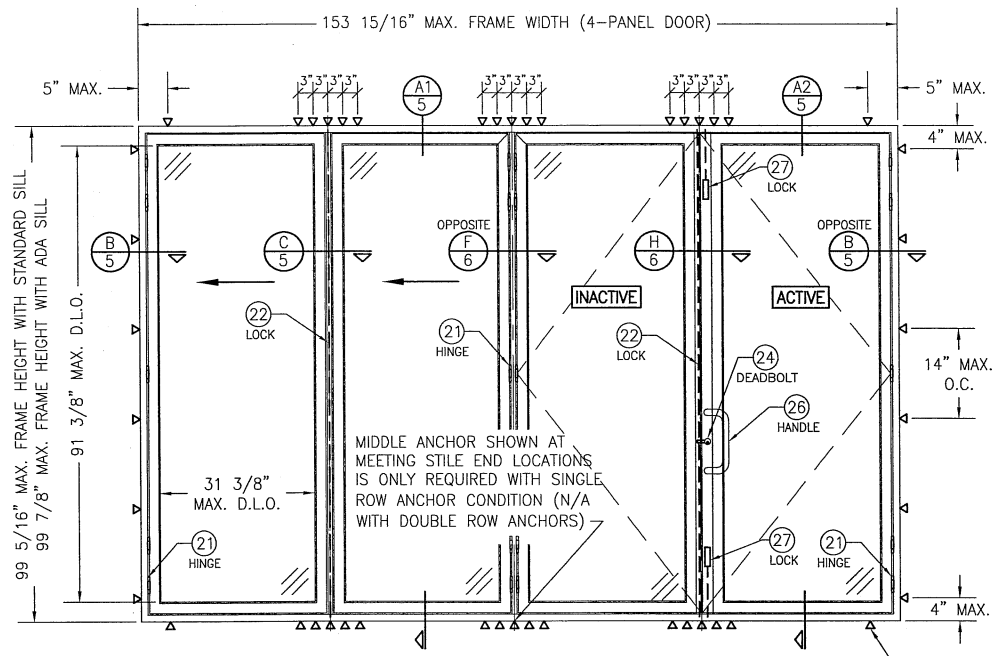
**EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH SWING PANEL LOCKING TO JAMB)**

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

(ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK. DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)

(3-PANEL DOOR SHOWN. SEE SHEET 4 FOR OTHER DOOR PANEL QUANTITY CONDITIONS AND RESTRICTIONS.)

DRAWING BY: W.R.M. PLOT: 1-24 DATE: 11/23/09	CHECKED BY: W.W.S. DATE: 11/23/09
DATE:	REVISION DESCRIPTION:
NO.	NO.
SL-73 OUT-SWING IMPACT FOLDING PANELS MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CONSULTANTS W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 17480 159TH COURT NORTH, SUITE 118 PALM BEACH, FL 33418 PHONE: 561-744-3424	
CERTIFICATION JUL 12 2019 W. W. SCHAEFER, P.E. No. 44135 STATE OF FLORIDA	
DRAWING NO. 1635	REV. C
SHEET NO. 2	OF 8

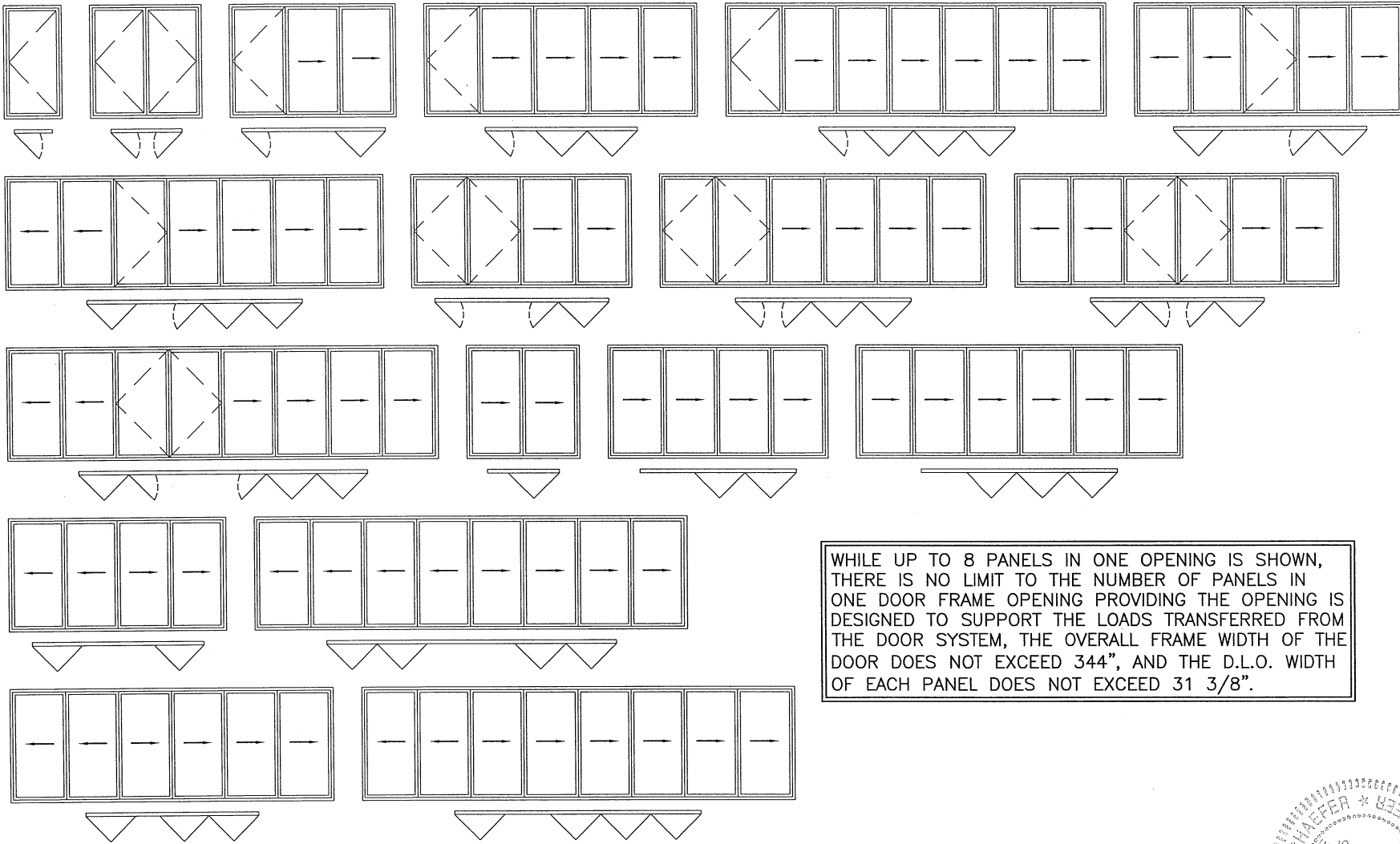


EXTERIOR ELEVATION:
(1 DIRECTION FOLDING PANELS WITH DOUBLE SWING PANELS)
 SCALE: 1/2" = 1'-0"
 (ACTIVE SWING DOOR SHOWN WITH DEADBOLT/FLUSH BOLT LOCK COMBINATION. MULTI-POINT LOCK ALSO APPLIES)
 (4-PANEL DOOR SHOWN. SEE SHEET 4 FOR OTHER DOOR PANEL QUANTITY CONDITIONS AND RESTRICTIONS.)

FRAME SCREWS WHERE SHOWN. SEE "FRAME ANCHOR REQUIREMENTS TABLE" ON SHEET 1 FOR REQUIREMENTS (APPLICABLE TO SINGLE OR DOUBLE ROW OF SCREWS).

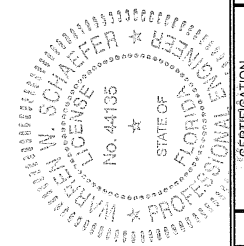
EXTERIOR ELEVATION:
(SWING PANEL LOCKING TO 1 DIRECTION FOLDING PANELS)
 SCALE: 1/2" = 1'-0"
 (ACTIVE SWING DOOR SHOWN WITH MULTI-POINT LOCK. DEADBOLT/FLUSH BOLT LOCK COMBINATION ALSO APPLIES)
 (3-PANEL DOOR SHOWN. SEE SHEET 4 FOR OTHER DOOR PANEL QUANTITY CONDITIONS AND RESTRICTIONS.)

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1-24		DATE: 11/23/09	
NO.	REVISION DESCRIPTION	DATE	BY
DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS MANUFACTURER: NANA WALL SYSTEMS, INC. 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5675			
CONSULTANTS: W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809) 1400 W. W. SCHAEFFER, SUITE 101 PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424			
CERTIFICATION: W. W. SCHAEFFER, P.E. No. 44135 STATE OF FLORIDA JUL 1 2 2019			
DRAWING NO.	REV.		
1635	C		
SHEET NO.			
3	of 8		



CONDITIONS SHOWN ARE THE MAJORITY OF THOSE USED. OTHER CONDITIONS OF FOLDING & SWING PANELS APPLY PROVIDING THEY ARE WITHIN THE SCOPE OF THE DETAILS WITHIN THIS DRAWING.

WHILE UP TO 8 PANELS IN ONE OPENING IS SHOWN, THERE IS NO LIMIT TO THE NUMBER OF PANELS IN ONE DOOR FRAME OPENING PROVIDING THE OPENING IS DESIGNED TO SUPPORT THE LOADS TRANSFERRED FROM THE DOOR SYSTEM, THE OVERALL FRAME WIDTH OF THE DOOR DOES NOT EXCEED 344", AND THE D.L.O. WIDTH OF EACH PANEL DOES NOT EXCEED 31 3/8".



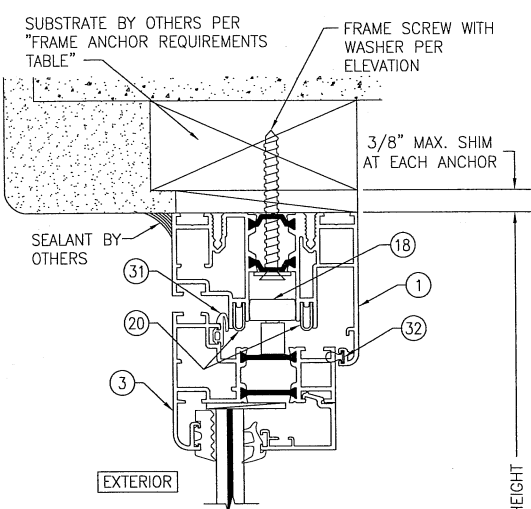
DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	11/24	DATE:	11/23/09
NO.		REVISION DESCRIPTION	
BY		DATE	

DRAWING TITLE: SL-73 OUT-SWING IMPACT FOLDING PANELS
 MANUFACTURER: NANA WALL SYSTEMS, INC.
 707 REDWOOD HIGHWAY
 MILL VALLEY, CA 94941
 800-873-5673

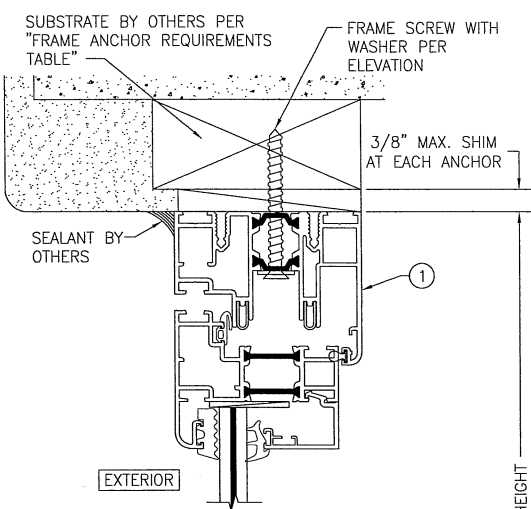
CONSULTANTS: W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809)
 PROJECT NUMBER: 13418
 PALM BEACH GARDENS, FLORIDA
 PHONE: 561-744-3424

GERTIFICATION: JUL 12 2010
 W. W. SCHAEFFER, P.E.
 No. 44195

DRAWING NO.	1635	REV.	C
SHEET NO.	4	OF	8

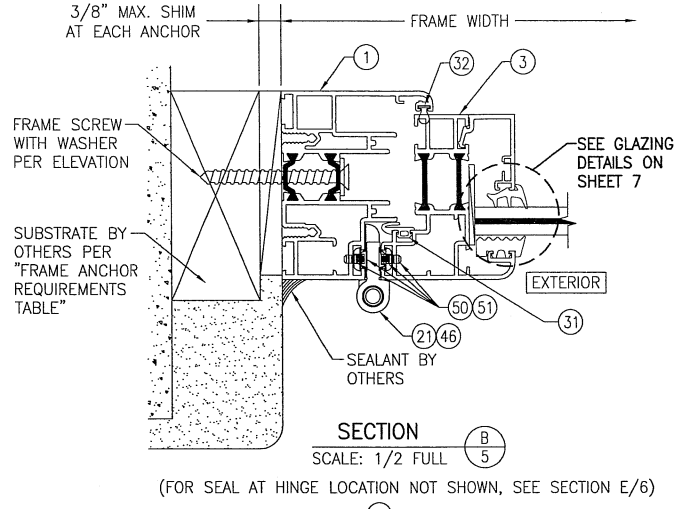


SECTION A1
SCALE: 1/2 FULL



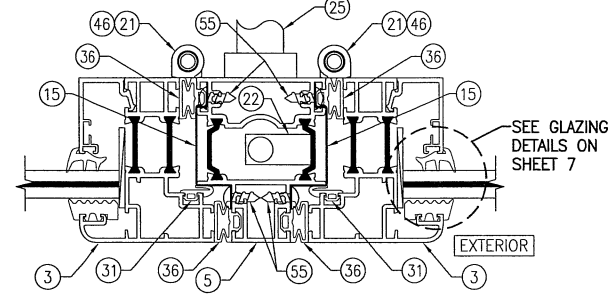
SECTION A2
SCALE: 1/2 FULL

(FOR DETAIL NOT SHOWN, SEE SECTION A1/5)



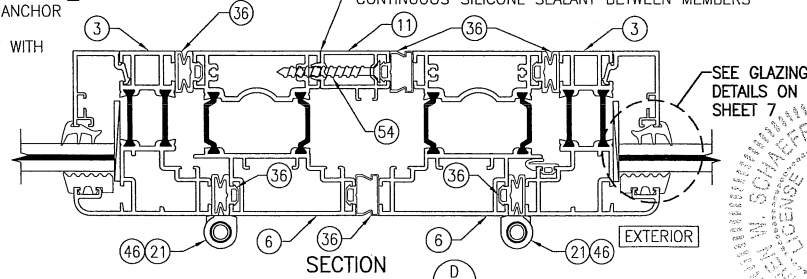
SECTION B
SCALE: 1/2 FULL

(FOR SEAL AT HINGE LOCATION NOT SHOWN, SEE SECTION E/6)



SECTION C
SCALE: 1/2 FULL

(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)



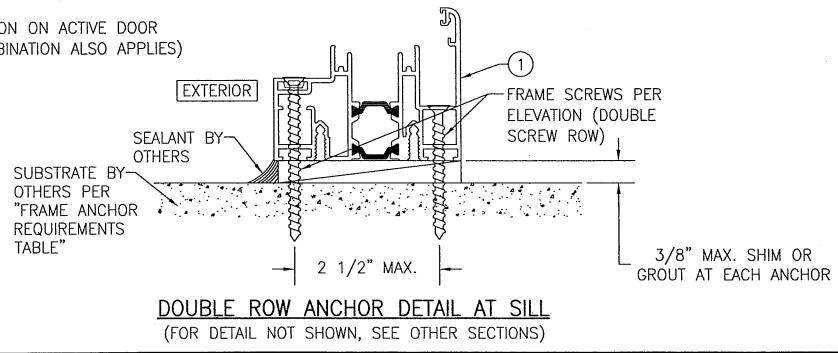
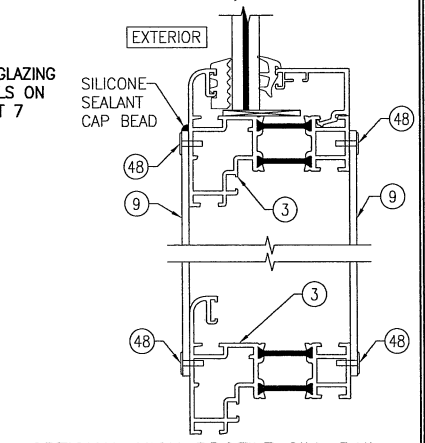
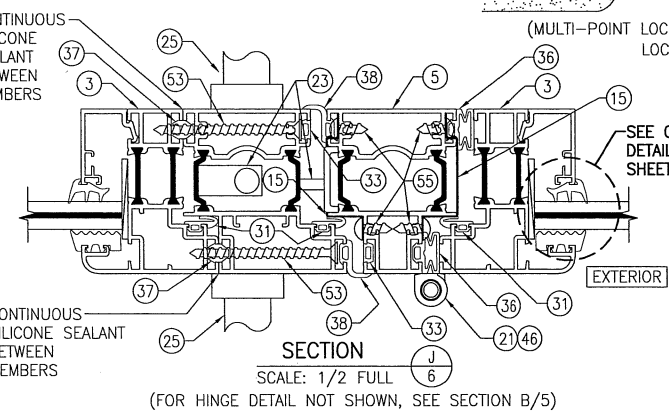
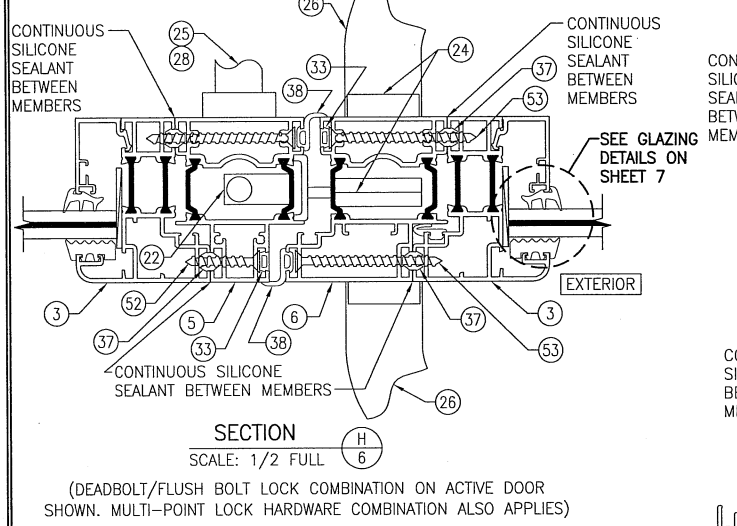
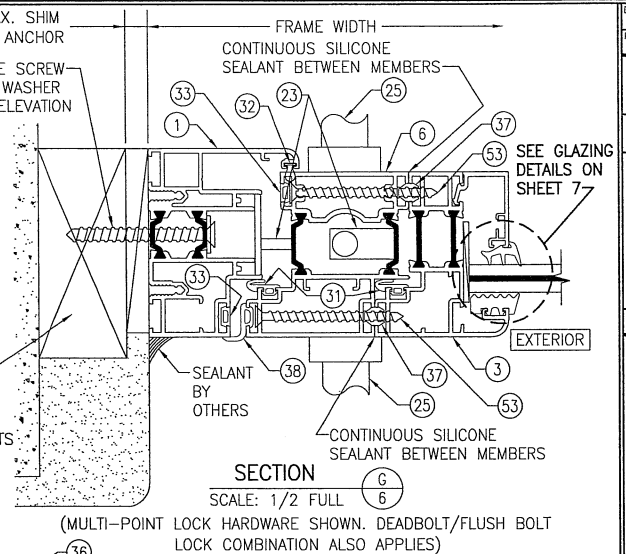
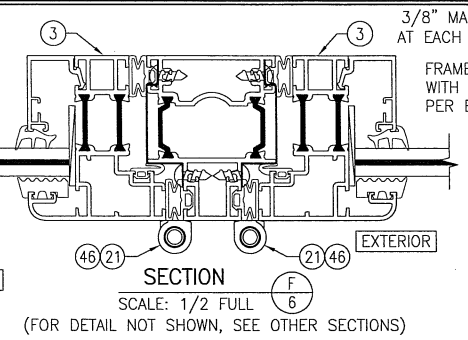
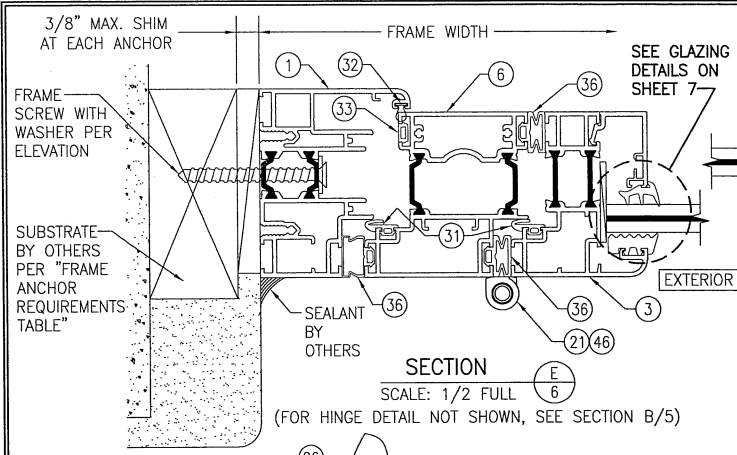
SECTION D
SCALE: 1/2 FULL

(FOR HINGE DETAIL NOT SHOWN, SEE SECTION B/5)

* STANDARD LOW PROFILE SILL RAIL CONDITION SHOWN. SEE "HIGH PROFILE SILL RAIL DETAIL" ON SHEET 6 FOR HIGH PROFILE SILL RAIL CONDITION
* STANDARD SILL CONDITION SHOWN. SEE "FLUSH SADDLE SILL DETAIL" ON SHEET 7 FOR ADA SILL CONDITION

INSTALLATION CONDITION SHOWN IN THESE SECTIONS IS FOR A SINGLE ANCHOR ROW CONDITION. FOR THE DOUBLE ANCHOR ROW CONDITION, SEE "DOUBLE ANCHOR ROW DETAILS" ON SHEETS 6 & 7

DRAWN BY: W.R.M.	CHECKED BY: W.W.S.
PLOT: 1=2	DATE: 11/23/09
DATE	
BY	
REVISION DESCRIPTION	
NO.	
DRAWING TITLE SL-73 OUT-SWING IMPACT FOLDING PANELS	
MANUFACTURER NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673	
CONSULTANTS W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809) PALM BEACH GARDENS, FL 33418 PHONE: 561-744-3424	
CERTIFICATION I, W. W. SCHAEFFER , P.E. REGISTERED PROFESSIONAL ENGINEER STATE OF FLORIDA LICENSE NO. 12119	
DRAWING NO. 1635	REV. C
SHEET NO. 5 OF 8	



DRAWN BY:	W.R.M.	CHECKED BY:	W.W.S.
PLOT:	1=2	DATE:	11/23/09
NO.	REVISION DESCRIPTION	BY	DATE

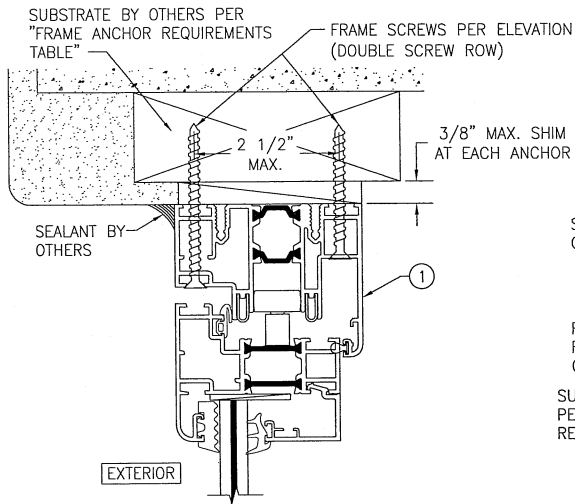
DRAWING TITLE: **SIL-73 OUT-SWING IMPACT FOLDING PANELS**

MANUFACTURER: **MANA WALL SYSTEMS, INC**
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

CONSULTANTS: **W. W. SCHAEFFER ENGINEERING & CONSULTING, P.A. (CA 6809)**
7 BEACH GARDENS, P.O. BOX 33418
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

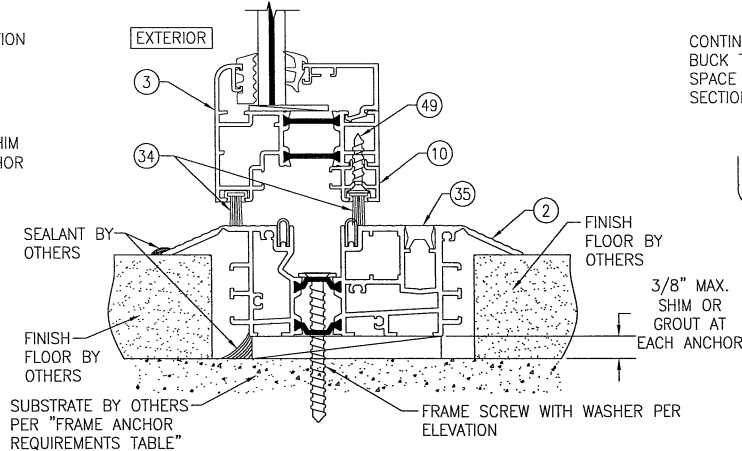
STATE OF FLORIDA
PROFESSIONAL ENGINEER
W. W. SCHAEFFER, P.E.
WARREN, P.E. NO. 44133

DRAWING NO.	REV.
1635	C
SHEET NO.	6 OF 8



DOUBLE ROW ANCHOR DETAIL AT HEAD & SIDES

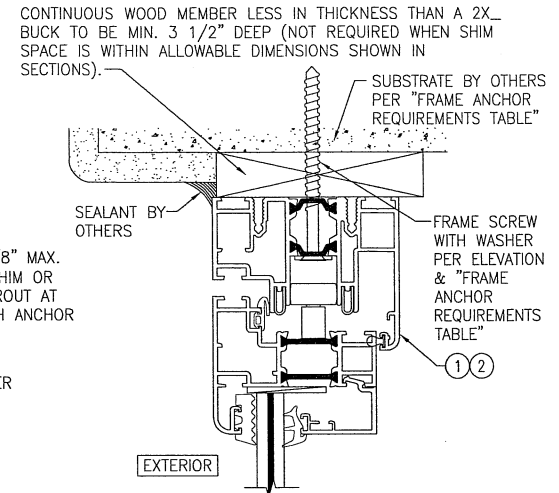
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(HEAD SECTION SHOWN. SIDES ARE INSTALLED THE SAME)



FLUSH SADDLE SILL DETAIL

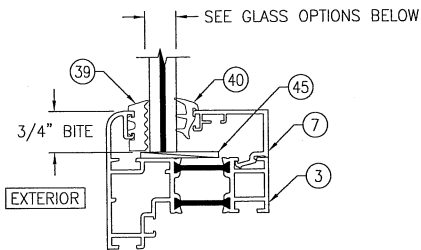
(SWING DOOR SHOWN. FOLDING PANELS ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(DOUBLE SCREW ROW DOES NOT APPLY TO THIS DETAIL)

WHEN A FLUSH SADDLE SILL IS USED, THESE DOORS ARE NOT APPROVED FOR USE WHERE WATER INFILTRATION RESISTANCE IS REQUIRED BY THE DOOR UNLESS UNITS ARE INSTALLED IN NON-HABITABLE AREAS WHERE THE UNIT & THE AREA ARE DESIGNED TO ACCEPT WATER INFILTRATION OR THEY ARE INSTALLED ONLY AT LOCATIONS PROTECTED BY A CANOPY OR OVERHANG WHERE-BY THE OVERHANG(OH) RATIO IS EQUAL TO OR MORE THAN 1.0 PER FBC.



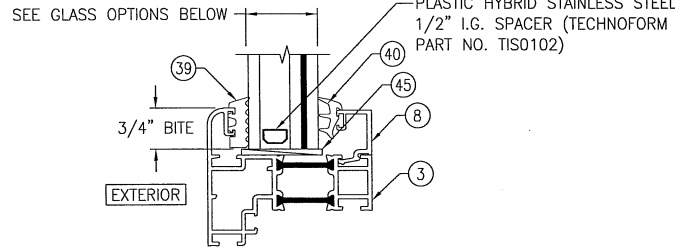
OPTIONAL DIRECT MOUNT DETAIL TO SUBSTRATE WITH SPACER

(HEAD SECTION SHOWN. SILL & SIDES ARE INSTALLED THE SAME)
(FOR DETAIL NOT SHOWN, SEE OTHER SECTIONS)
(SINGLE SCREW ROW INSTALLATION SHOWN. DOUBLE SCREW ROW ALSO APPLIES)



**NON-I.G. GLAZING DETAIL
GLASS OPTIONS 1 & 2**

GLASS OPTION 1: 7/16" LAMINATED GLASS (3/16" H.S./0.09 KURARAY SG/3/16" H.S.)
GLASS OPTION 2: 7/16" LAMINATED GLASS (3/16" AN./0.09 KURARAY SG/3/16" AN.)



**I.G. GLAZING DETAIL
GLASS OPTIONS 3, 4, 5 & 6**

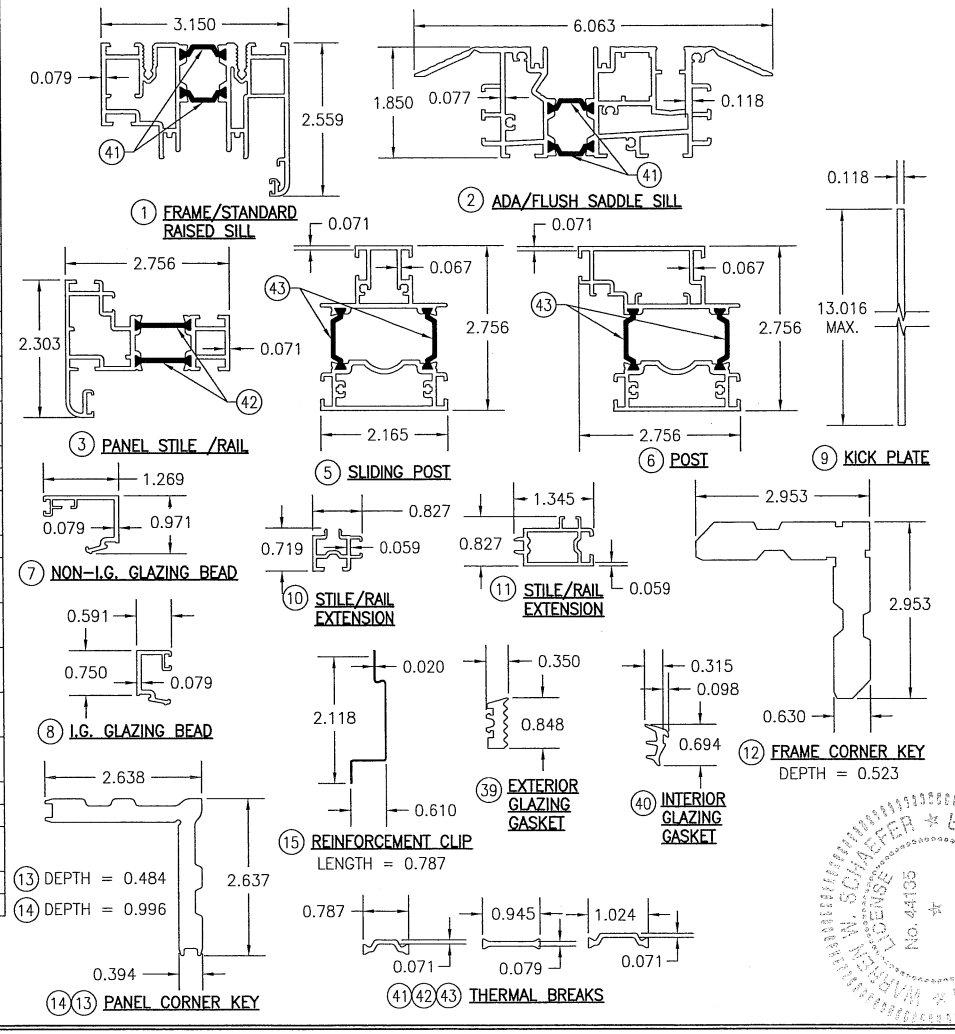
GLASS OPTION 3: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 KURARAY SG/3/16" H.S. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 4: 1 1/8" I.G. LAMINATED GLASS (3/16" H.S./0.09 KURARAY SG/3/16" H.S. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)
GLASS OPTION 5: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 KURARAY SG/3/16" AN. INTERIOR; 1/2" AIR SPACE; 3/16" TEMP. EXTERIOR)
GLASS OPTION 6: 1 1/8" I.G. LAMINATED GLASS (3/16" AN./0.09 KURARAY SG/3/16" AN. INTERIOR; 7/16" AIR SPACE; 1/4" TEMP. EXTERIOR)

DRAWN BY: W.R.M.		CHECKED BY: W.W.S.	
PLOT: 1=2		DATE: 11/23/09	
NO.	REVISION	DESCRIPTION	DATE
SL-73 OUT-SWING IMPACT FOLDING PANELS MANUFACTURER: NANA WALL SYSTEMS, INC 707 REDWOOD HIGHWAY MILL VALLEY, CA 94941 800-873-5673			
CONSULTANTS: W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809) 7480 S. 50TH COURT, NORTH PALM BEACH, FL 33418 PALM PHONE: 561-744-3424			
DRAWING NO. 1635 SHEET NO. 7 OF 8			



ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
PARTS		
1	FRAME/STANDARD RAISED SILL	6063-T5 ALUMINUM
2	ADA/FLUSH SADDLE SILL	6063-T5 ALUMINUM
3	PANEL STILE /RAIL	6063-T5 ALUMINUM
5	SLIDING POST	6063-T5 ALUMINUM
6	POST	6063-T5 ALUMINUM
7	NON-I.G. GLAZING BEAD	6063-T5 ALUMINUM
8	I.G. GLAZING BEAD	6063-T5 ALUMINUM
9	KICK PLATE	6063-T5 ALUMINUM
10	STILE/RAIL EXTENSION	6063-T5 ALUMINUM
11	STILE/RAIL EXTENSION	6063-T5 ALUMINUM
12	FRAME CORNER KEY	6063-T5 ALUMINUM
13	PANEL CORNER KEY	6063-T5 ALUMINUM
14	PANEL CORNER KEY	6063-T5 ALUMINUM
15	REINFORCEMENT CLIP (4 PER POST; 2 EACH END)	S.S.
HARDWARE		
18	UPPER GUIDING TROLLEY ROLLER REINFORCEMENT	NEIDERHOFF OR DELLENBUSH 15-71-53-1 WESTERFELD 15-73-78-X S.S.
19	BOTTOM ROLLER & ROLLER REINFORCEMENT	NEIDERHOFF OR DELLENBUSH 15-71-50-1 WESTERFELD 15-73-78-X S.S.
20	STEEL INSERT ROLLER TRACK	WELSER 5-66-09
21	BUTT HINGE	BURGHHAUS 15-0-2210-190 DIECAST OR IBW IDEAL 15-0-2227/8-120 S.S.
22	CONCEALED 2-POINT LOCK	EURIT SRL 15-0-2001-1
23	3-POINT MULTI-POINT LOCK	VBH GMBH 15-60-27-1
24	DEADBOLT	VBH GMBH 15-0-210-109
25	OPERATOR HANDLE	AS REQ'D TO OPERATE 2 & 3-POINT LOCK
26	OPERATOR HANDLE	AS REQ'D WITH PUSH/PULL SWING DOORS
27	CONCEALED 1-POINT LOCK	EURIT SRL 15-0-2001-1
28	CONCEALED 2-POINT LOCK	WIHL. SCHLECHTENDAHL & SOHNE 15-0-218
SEALS & SEALANTS		
31	WEATHERSTRIP	DURAPROOF OR TREMCO 25-0-1052-195 EPDM
32	Q-LON GASKET	SCHLAGEL Q300T190 POLYETHYLENE
33	COVER GASKET	JAGEER GUMMI UND KUNSTSTOFF OR TREMCO 25-0-1054-195 EPDM
35	FILLER SEAL	DURAPROOF OR TREMCO 25-0-1084-155 EPDM
36	PANEL GASKET	DURAPROOF OR TREMCO 25-0-1036-195 EPDM
37	CONNECTOR	DURAPROOF OR TREMCO 25-0-1056-195 EPDM
38	PANEL GASKET	SYNCAMER GUMMI OR TREMCO 25-0-1050-195 EPDM
39	EXTERIOR GLAZING GASKET (DUROMETER = 56)	TREMCO TX16702E EPDM
40	INTERIOR GLAZING GASKET (DUROMETER = 70)	TREMCO 25-0-1007-X EPDM
41-43	DEBRIDGING/THERMAL BREAK	ENSINGER, INC., TECATHERM 66 GF INSULBAR POLYAMIDE
45	GLAZING SHIM	GLUSKE, PVC
46	1/2" X 3" X 1/16" THICK GLAZING TAPE	ADHERED TO EA. HINGE AS A SEAL

ITEM #	ITEM DESCRIPTION	MANUFACTURER/NOTES
FASTENERS		
48	1/8" RIVET	6 PER KICK PLATE
49	NO. 8 X 1" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
50	NO. 10 X 3/8" FH S.S. MS	4 PER HINGE
51	3/16 X 1/4 S.S. SET SCREW	4 PER HINGE
52	NO. 8 X 1 1/4" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
53	NO. 8 X 2 3/4" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
54	NO. 8 X 1 3/4" SMS SCREW	WITHIN 4" FROM CORNERS & MAX. 16" O.C.
55	NO. 8 X 1/2" SMS SCREW	2 PER CLIP



DRAWN BY: W.R.M.	CHECKED BY: W.S.S.
PLOT: 1=2	DATE: 11/23/08
DATE	
BY	
REVISION DESCRIPTION	
NO.	

DRAWING TITLE
SL-73 OUT-SWING IMPACT FOLDING PANELS

MANUFACTURER
NANA WALL SYSTEMS, INC
707 REDWOOD HIGHWAY
MILL VALLEY, CA 94941
800-873-5673

CONSULTANTS
W. W. SCHAEFER ENGINEERING & CONSULTING, P.A. (CA 6809)
7480 150TH COURT NORTH, #3418
PALM BEACH GARDENS, FL 33418
PHONE: 561-744-3424

CERTIFICATION
W. W. SCHAEFER
No. 44135

JUL 12 2019

DRAWING NO. REV.
1635 C

SHEET NO. OF
8 OF 8