

Series 7000 - SG-SS (LMI) Window Wall Installation Manual



Series 7000 - SG-SS (LMI) Window Wall Installation Manual

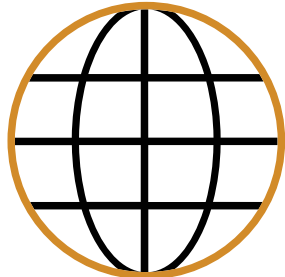
GENERAL NOTES:

1. THIS SYSTEM DESCRIBED HEREIN HAS BEEN DESIGNED AND TESTED IN ACCORDANCE WITH THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) PER

A. TAS 201 / 202 / 203
B. AAMA 501-15
2. FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
3. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
4. NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
5. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR.WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.
6. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
7. GLAZING ILLUSTRATED HEREIN UTILIZES SENTRYGLAS INTERLAYER BY KURARAY AMERICA INC. (NOA# 20-0915.19)
8. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
9. ALL FASTENERS INTO METAL SUBSTRATES TO BE 1/4"Ø DEWALT DRILL-FLEX UNLESS NOTED OTHERWISE. ALL THRU-BOLTS AT INTERMEDIATE VERTICAL MULLIONS TO BE ¼" DIA THRU-BOLTS WITH FENDER WASHERS AND NUT AS SHOWN HEREIN. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES
10. ENGINEER SEAL AFFIXED HERE TO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
11. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
12. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
13. SAFEGUARDS MUST BE OBSERVED (NOT IN THIS CERTIFICATION)
14. PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM CONTAINING THE FOLLOWING:
GLOBAL IMPACT PRODUCTS LLC
1963 W McNAB RD
POMPANO BEACH, FLORIDA 33069
APPROVED BY FLORIDA BUILDING COMMISSION
FLORIDA PRODUCT APPROVAL NUMBER FL# 41589.3

SHEET INDEX

# SHEET	DESCRIPTION
1	COVER SHEET
2	ELEVATIONS
3-7	DETAILS
8-9	LOADING TABLES & GLASS TYPES
10-15	MULLION LOADING TABLES
16-20	ANCHOR LOADING TABLES
21	DOOR SYSTEM ELEVATIONS
22	PART LIST
23	FRAME ASSEMBLY DIAGRAM
23	TOTAL



Series 7000 - SG-SS (LMI) Window Wall Installation Manual

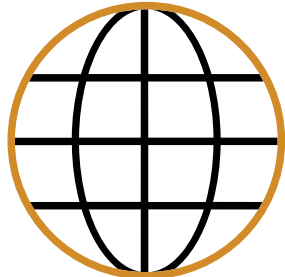
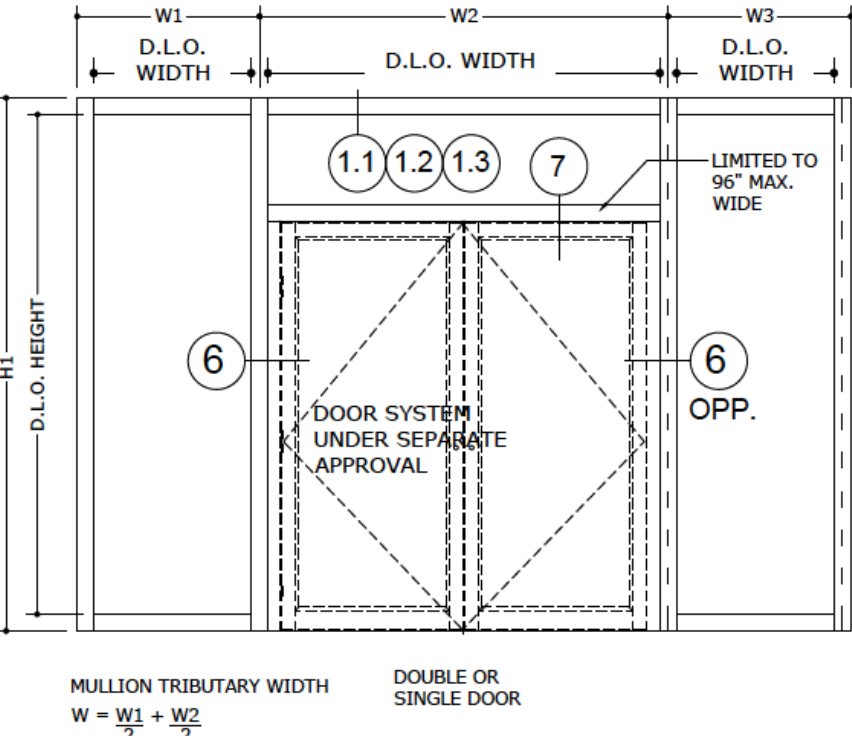
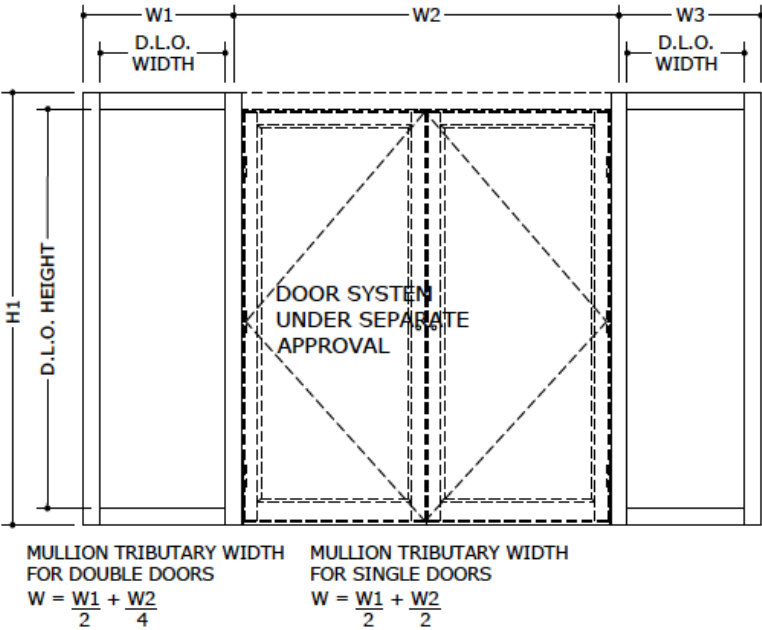
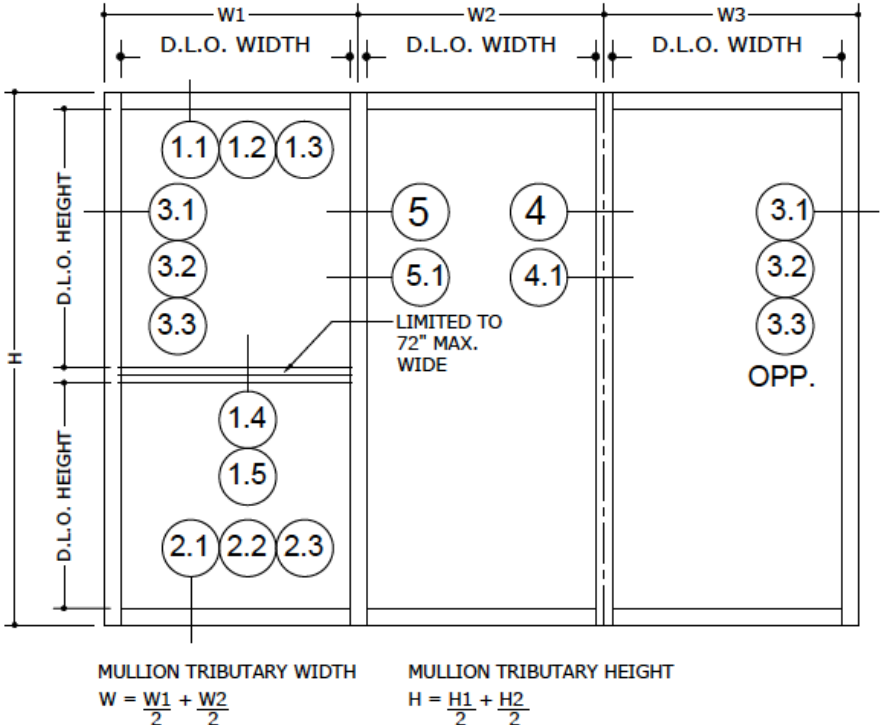
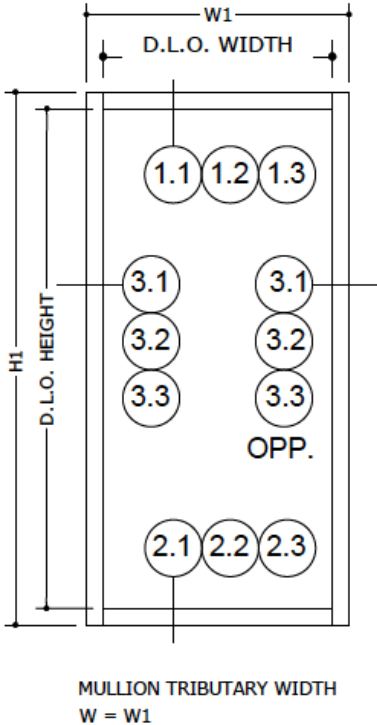
TYPICAL ELEVATIONS

INSTRUCTIONS TO DETERMINE
DESIGN PRESSURE RATING

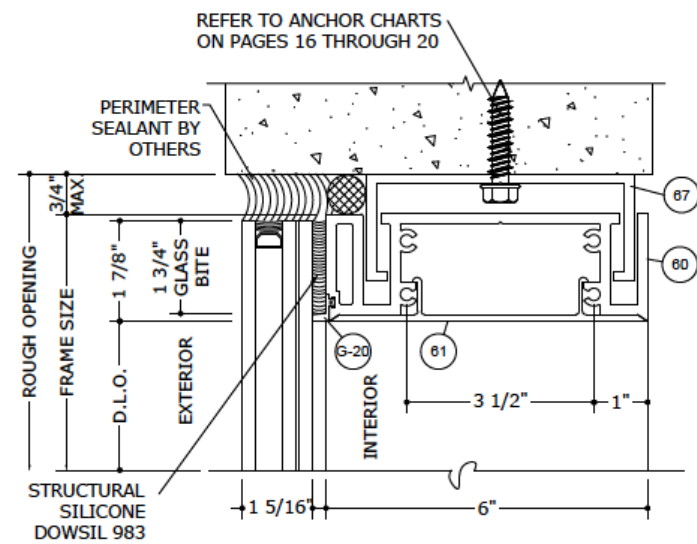
STEP 1: USE THE GLASS LOADING TABLES TO
DETERMINE THE ALLOWABLE PRESSURE OF THE
GLASS.

STEP 2: USE THE MULLION LOADING TABLE TO
DETERMINE THE ALLOWABLE PRESSURES FOR
THE MULLIONS.

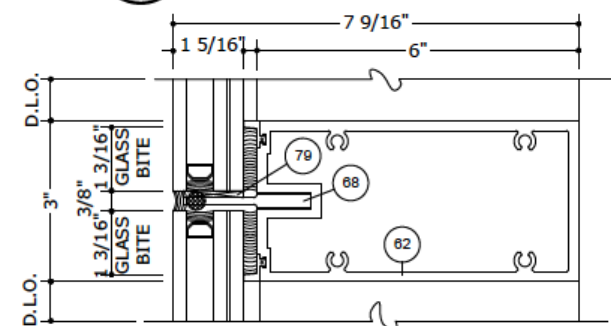
STEP 3: THE MINIMUM VALUE BETWEEN STEP 1
AND STEP 2 WILL DETERMINE THE DESIGN LOAD
PRESSURE FOR THIS SYSTEM.



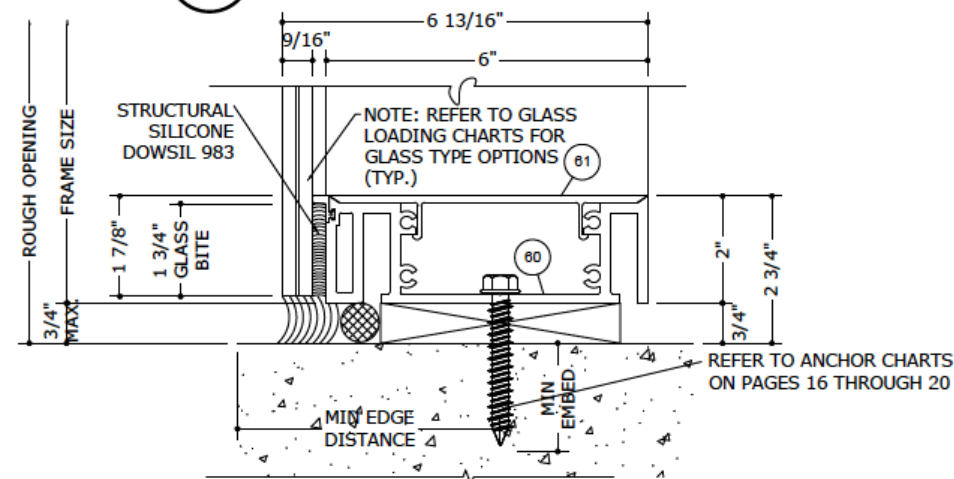
Series 7000 - SG-SS (LMI) Window Wall Installation Manual



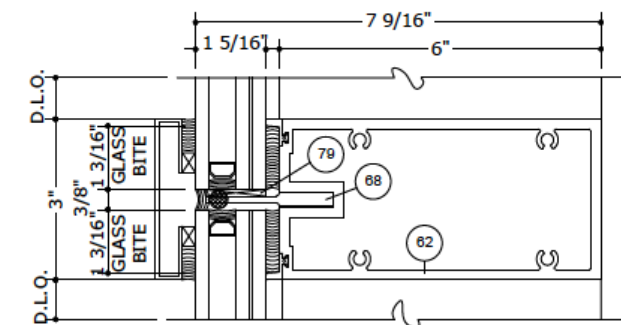
1.1 HEAD DETAIL (CONCRETE)
N.T.S



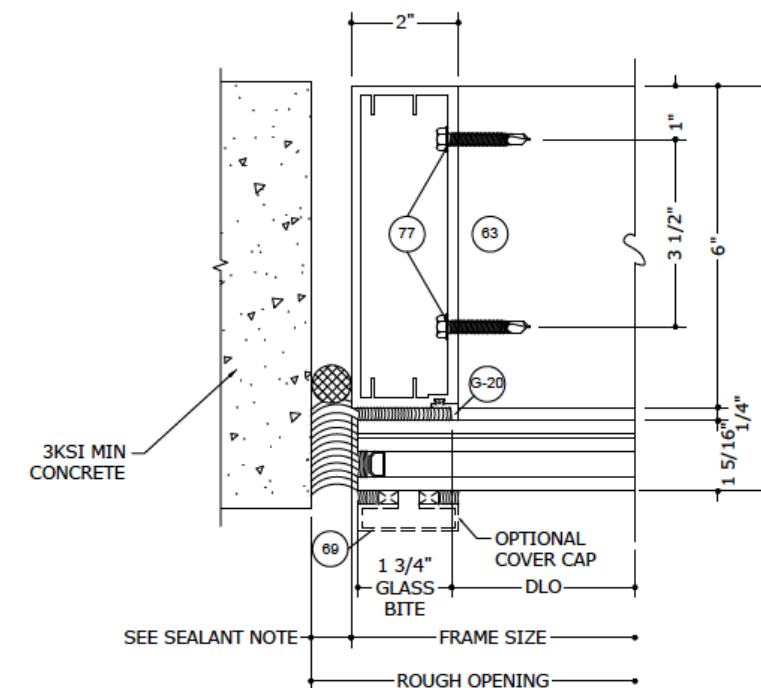
1.4 HORIZONTAL DETAIL
N.T.S



2.1 SILL DETAIL (CONCRETE)
N.T.S

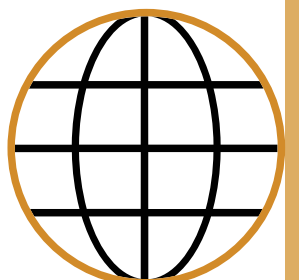


1.5 HORIZONTAL DETAIL
N.T.S

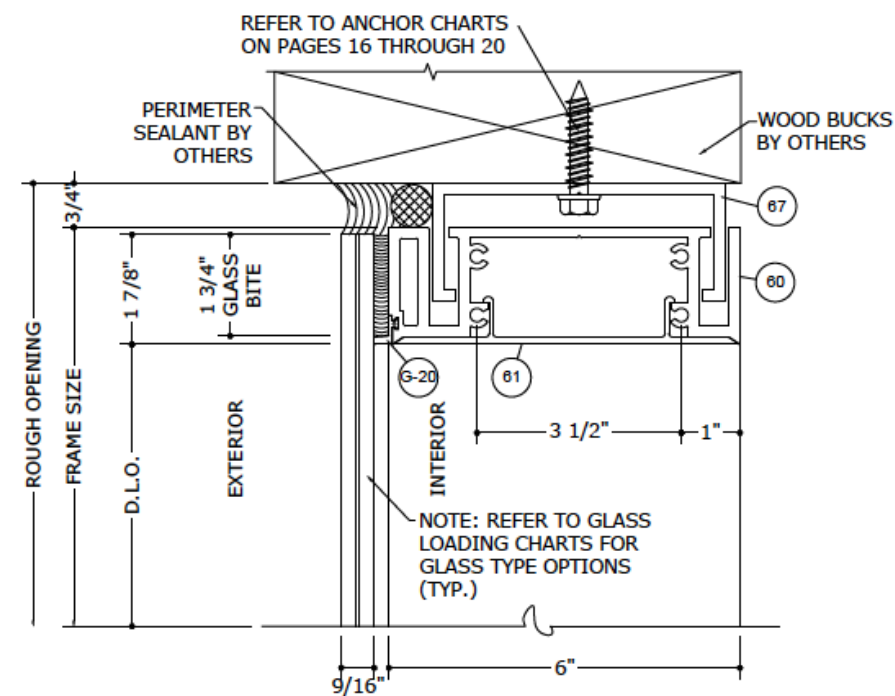


3.1 JAMB DETAIL (CONCRETE)

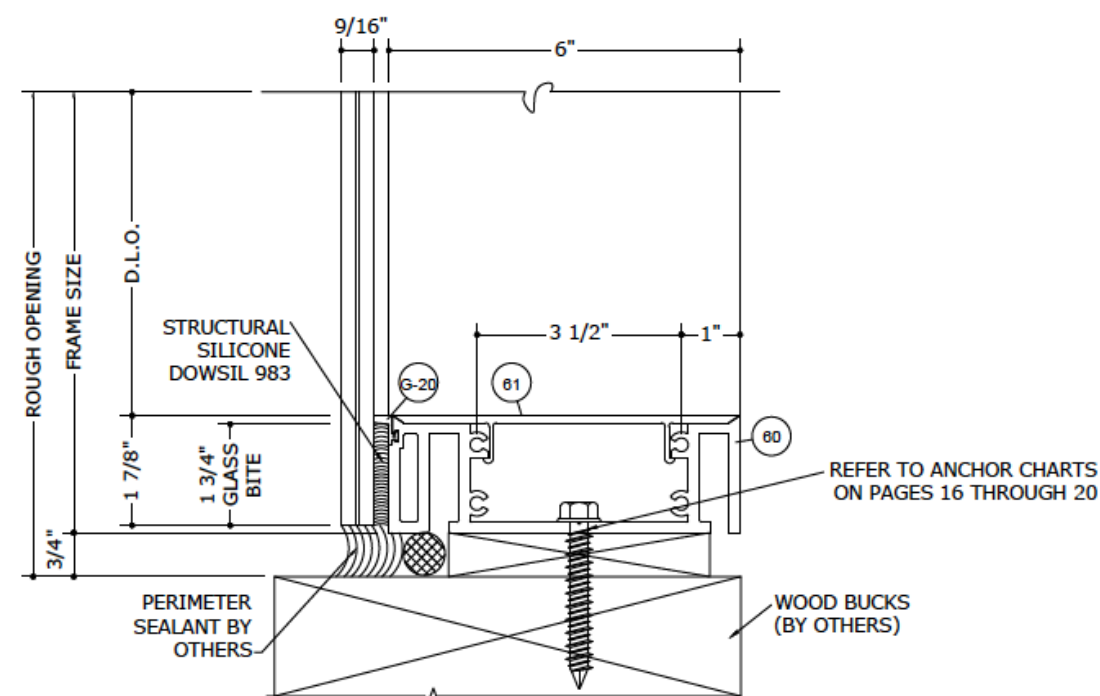
SEALANT NOTE:
DESIGN SEALANT AT THE JAMB PER ASTM C1472 ON
A SPECIFIC SITE BASIS



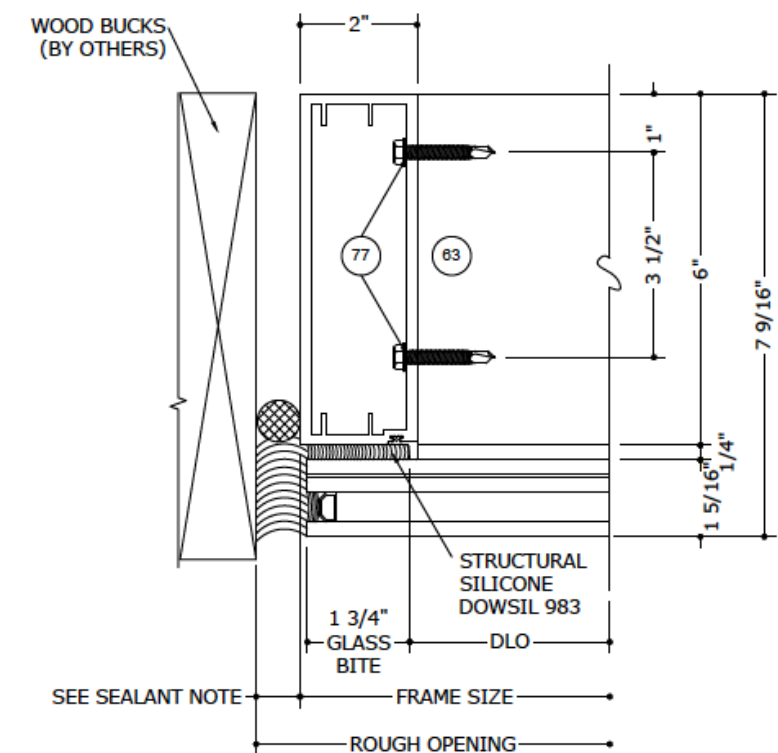
Series 7000 - SG-SS (LMI) Window Wall Installation Manual



1.2 HEAD DETAIL (WOOD)
N.T.S

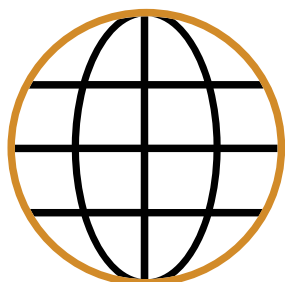


2.2 SILL DETAIL (WOOD)
N.T.S

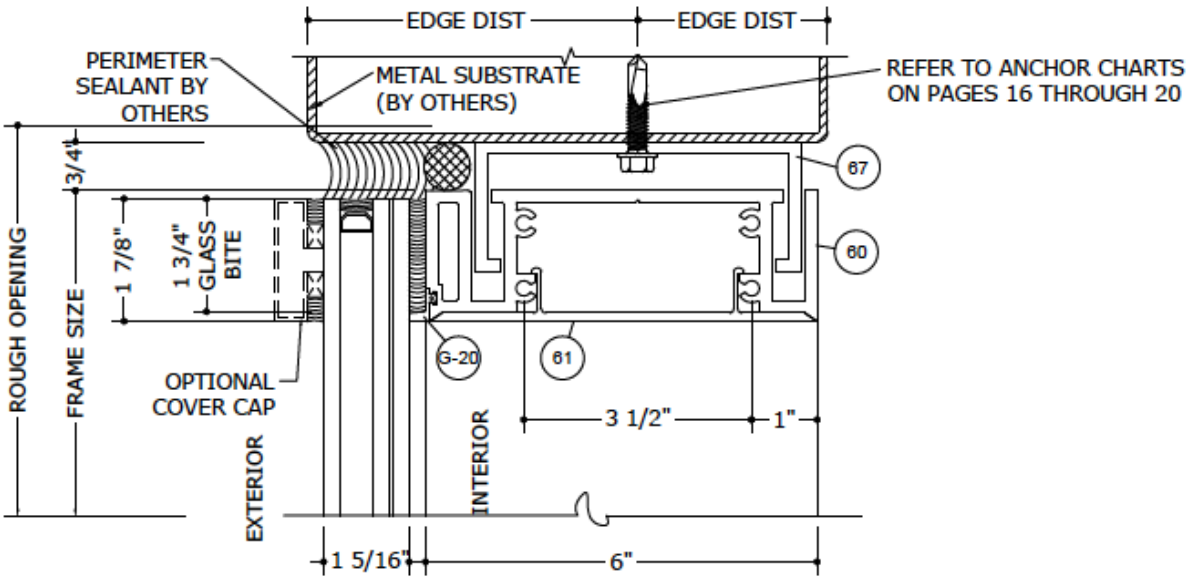


3.2 JAMB DETAIL (WOOD)
N.T.S

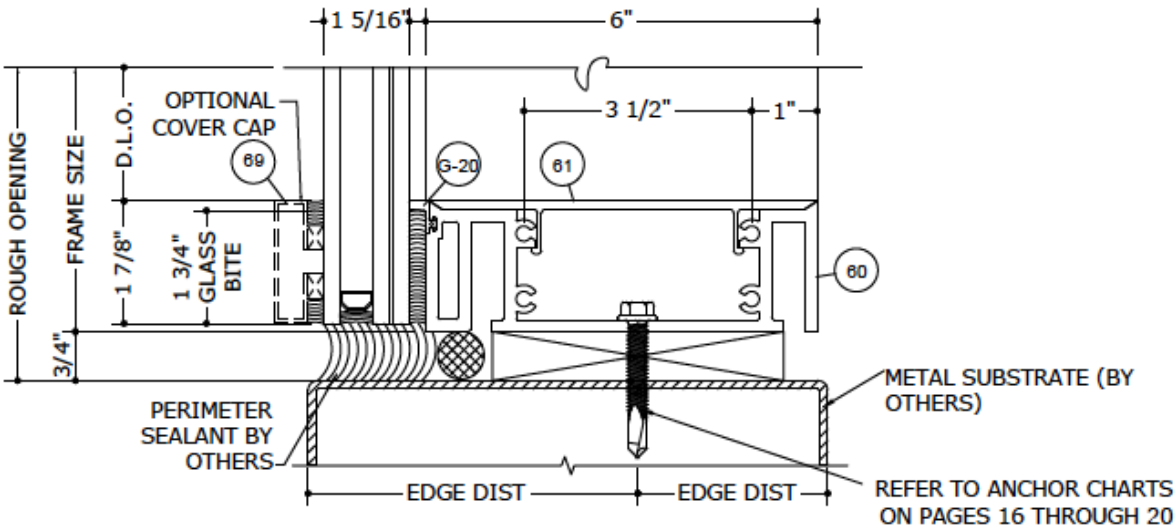
SEALANT NOTE:
DESIGN SEALANT AT THE JAMB PER ASTM C1472 ON
A SPECIFIC SITE BASIS



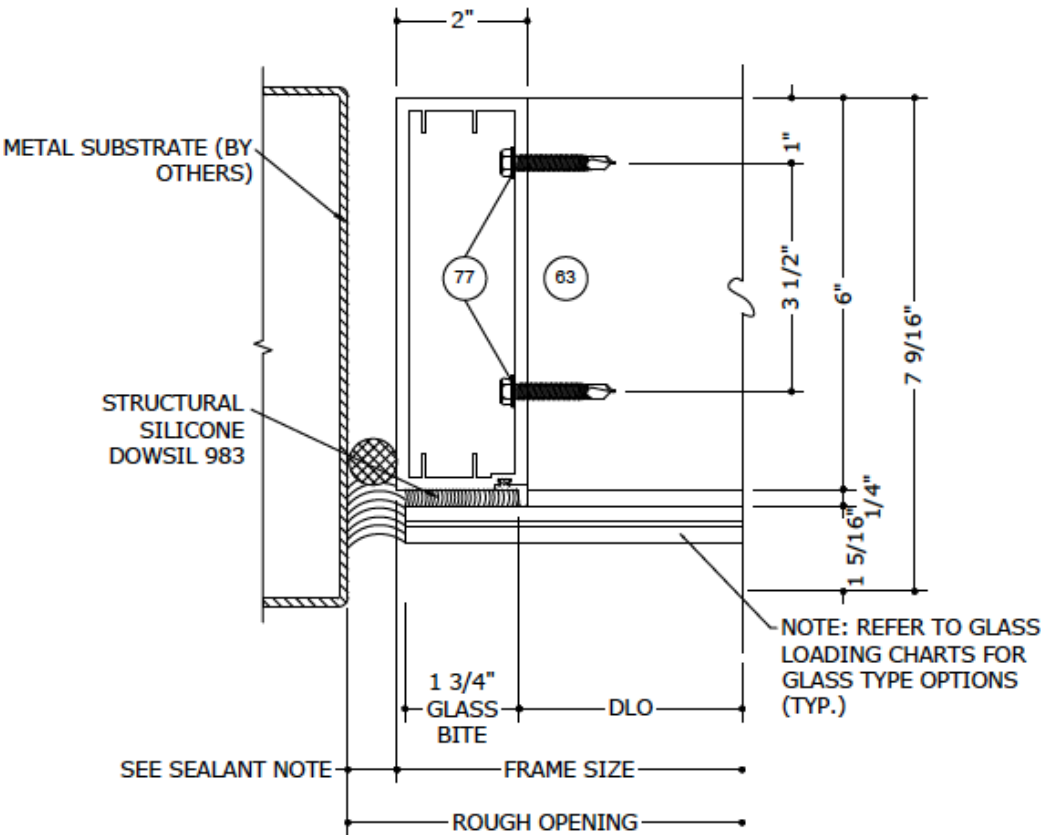
Series 7000 - SG-SS (LMI) Window Wall Installation Manual



1.3 HEAD DETAIL (METAL)
N.T.S

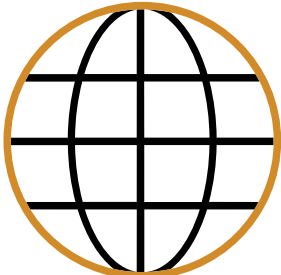


2.3 SILL DETAIL (METAL)
N.T.S

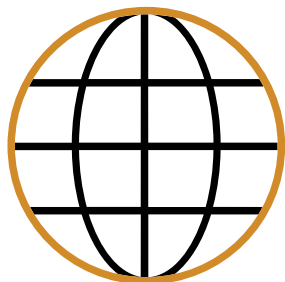
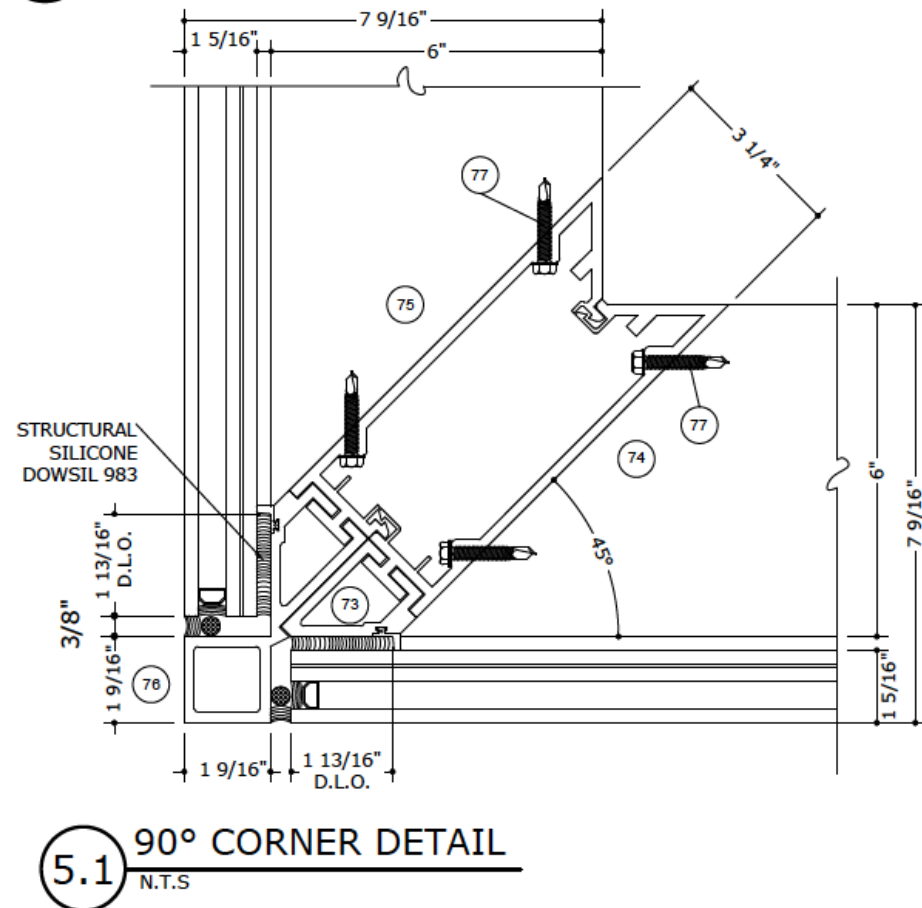
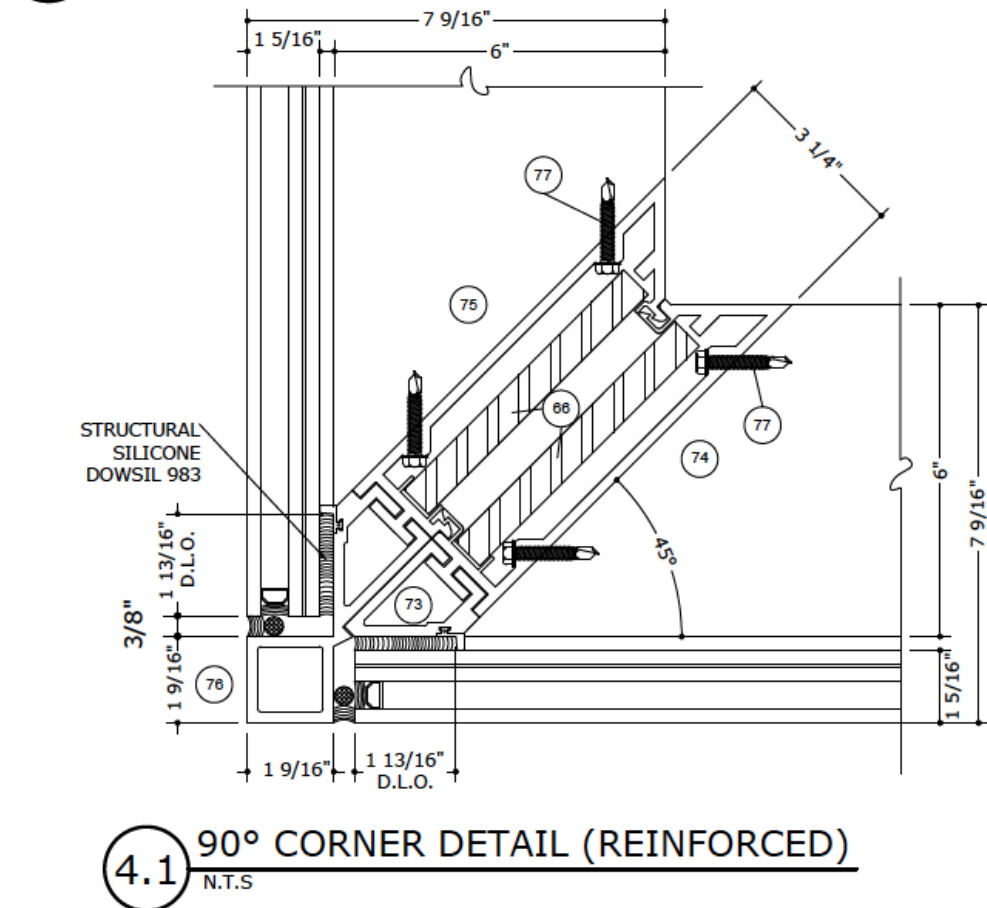
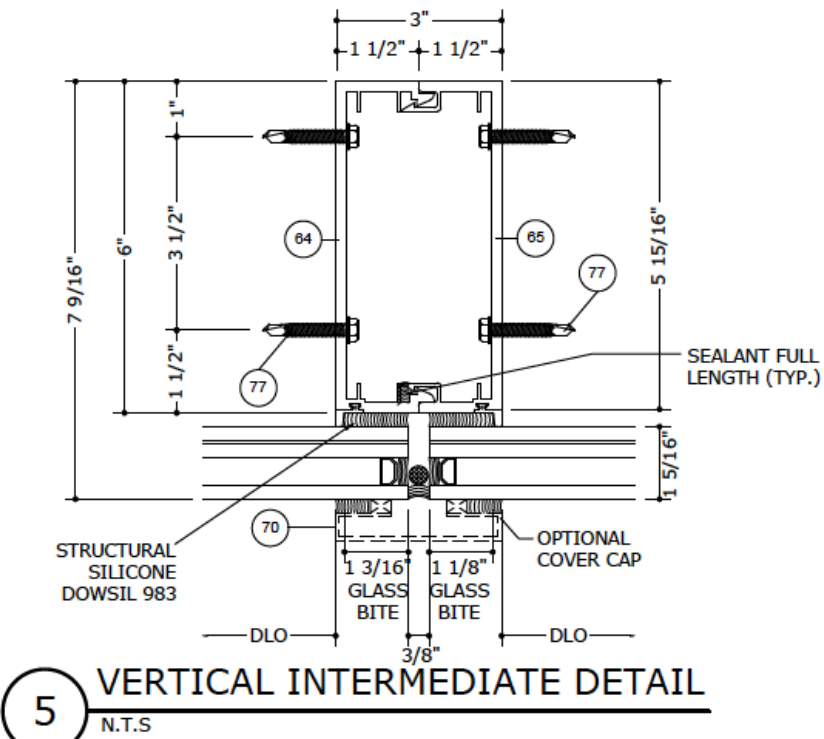
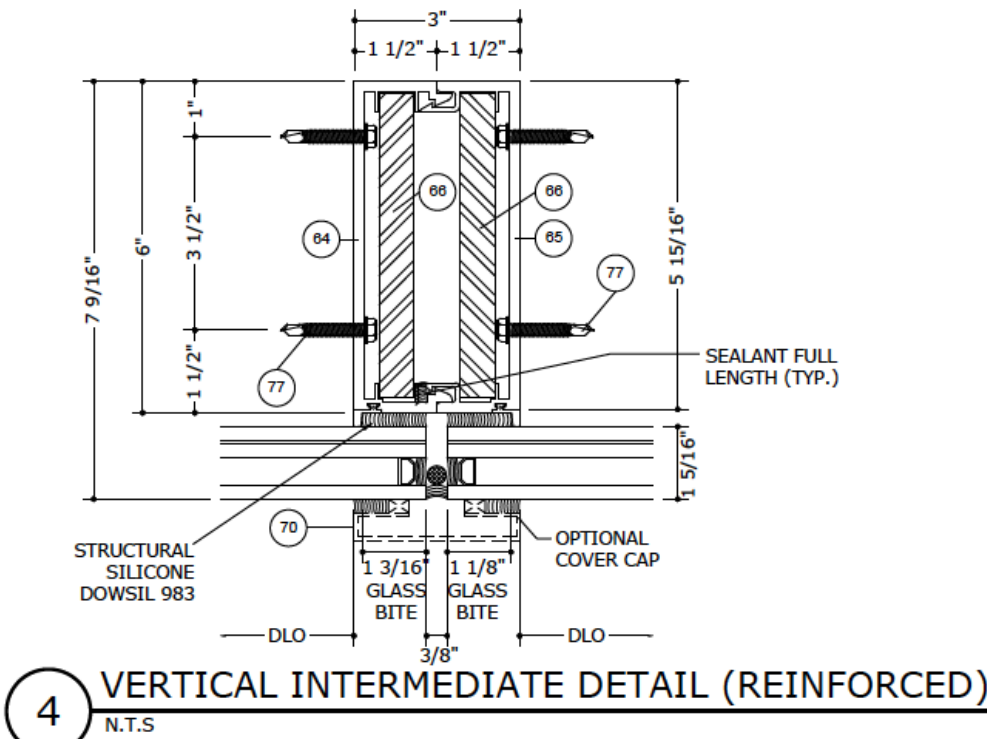


3.3 JAMB DETAIL (METAL)
N.T.S

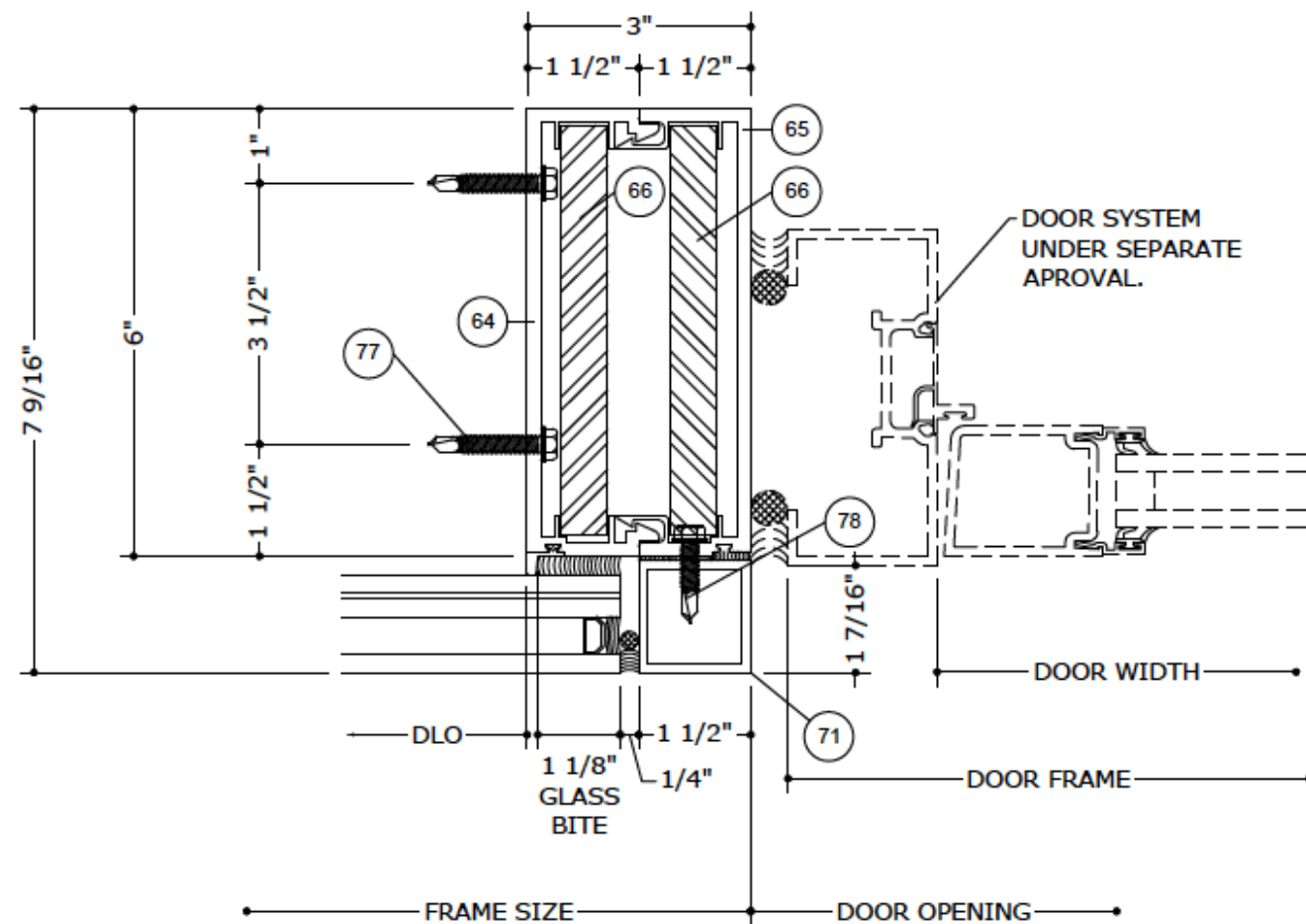
SEALANT NOTE:
DESIGN SEALANT AT THE JAMB PER ASTM C1472 ON
A SPECIFIC SITE BASIS



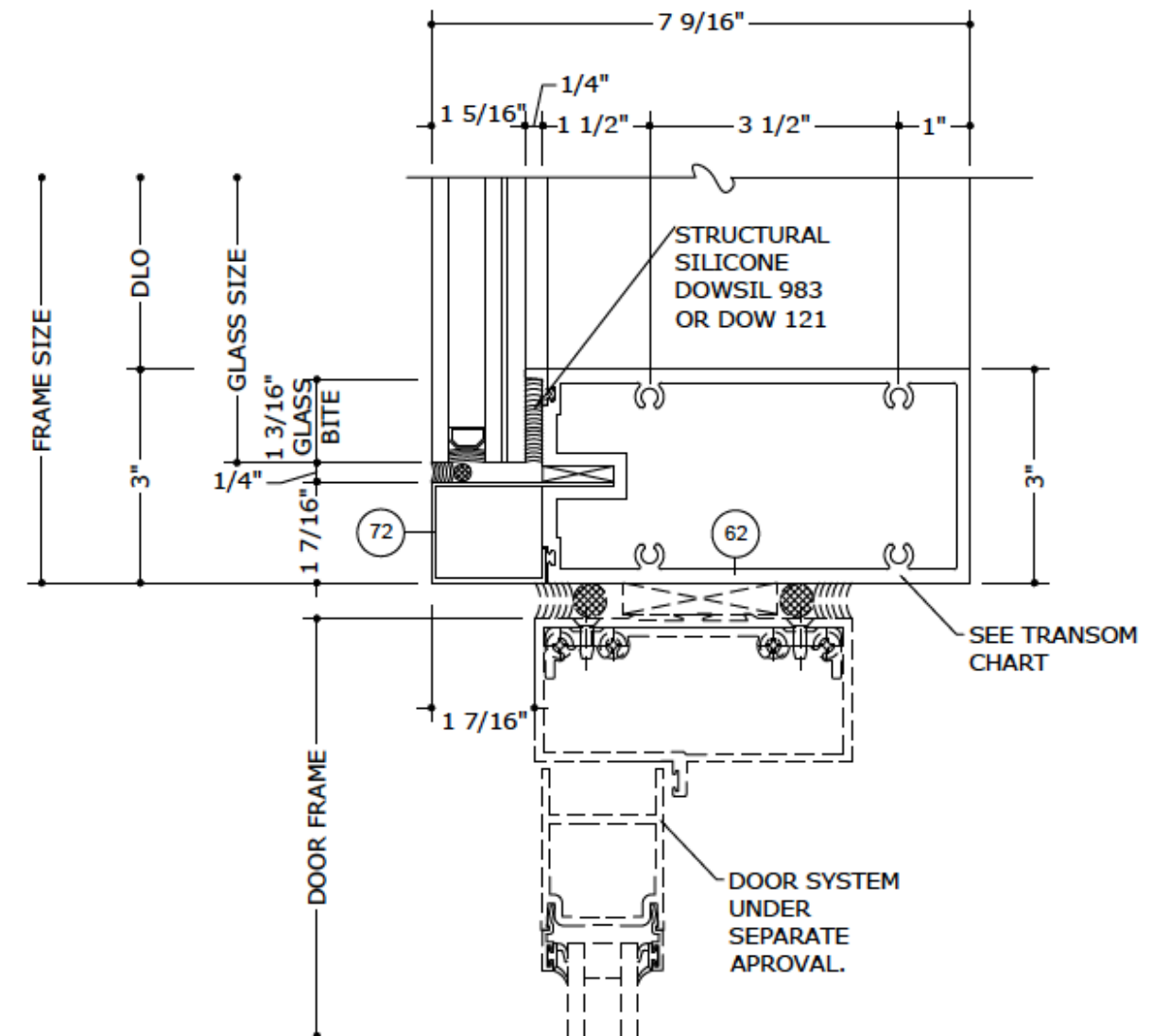
Series 7000 - SG-SS (LMI) Window Wall Installation Manual



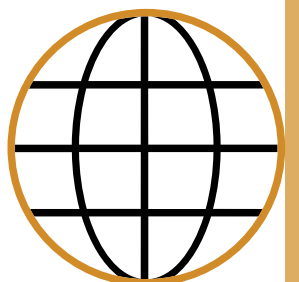
Series 7000 - SG-SS (LMI) Window Wall Installation Manual



6 DOOR JAMB DETAIL
N.T.S



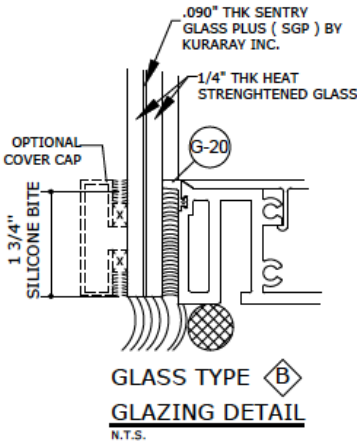
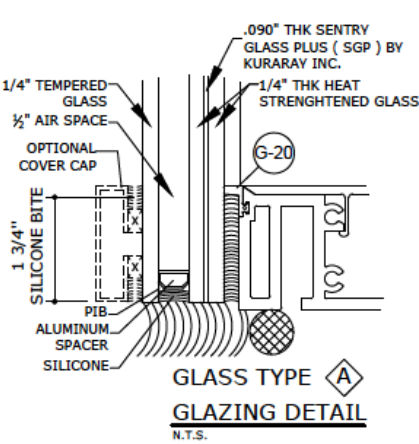
7 HORIZONTAL DETAIL
N.T.S



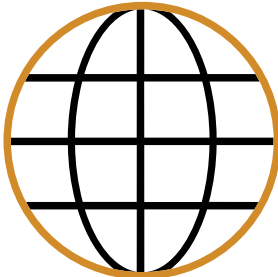
Series 7000 - SG-SS (LMI) Window Wall Installation Manual

GLASS LOADING TABLES (P.S.F.)

48 in			54 in			57 1/2 in.			60 in.			66 in.			72 in.			78 in.		
HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.		
WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F
24	120	120	24	120	120	24	120	120	24	120	120	24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120	30	120	120	30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120	36	120	120	36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120	42	120	120	42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120	48	120	120	48	120	120	48	120	120	48	120	120
54	119	119	54	106	106	54	106	106	54	106	106	54	106	106	54	106	106	54	106	106
57 1/2	119	119	57 1/2	106	106	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100
60	119	119	60	106	106	60	100	100	60	95	95	60	95	95	60	95	95	60	95	95
66	119	119	66	106	106	66	100	100	66	95	95	66	87	87	66	87	87	66	87	87
72	119	119	72	106	106	72	100	100	72	95	95	72	87	87	72	79	79	72	79	79
78	119	119	78	106	106	78	100	100	78	95	95	78	87	87	78	79	79	78	73	73
84	119	119	84	106	106	84	100	100	84	95	95	84	87	87	84	79	79	84	73	73
90	119	119	90	106	106	90	100	100	90	95	95	90	87	87	90	79	79	90	73	73
96	119	119	96	106	106	96	100	100	96	95	95	96	87	87	96	79	79	96	73	73
102	119	119	102	106	106	102	100	100	102	95	95	102	87	87	102	79	79	102	73	73
108	119	119	108	106	106	108	100	100	108	95	95	108	87	87	108	79	79	108	73	73
114	119	119	114	106	106	114	100	100	114	95	95	114	87	87	114	87	87	114	87	87
120	119	119	120	106	106	120	100	100	120	95	95	120	87	87	120	87	87	120	87	87
126	119	119	126	106	106	126	100	100	126	95	95	126	87	87	126	87	87	126	87	87
132	119	119	132	106	106	132	100	100	132	95	95	132	87	87	132	87	87	132	87	87
138	119	119	138	106	106	138	100	100	138	95	95	138	87	87	138	87	87	138	87	87
140 1/2	119	119	140 1/2	106	106	140 1/2	100	100	140 1/2	95	95	140 1/2	87	87	140 1/2	87	87	140 1/2	87	87



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)

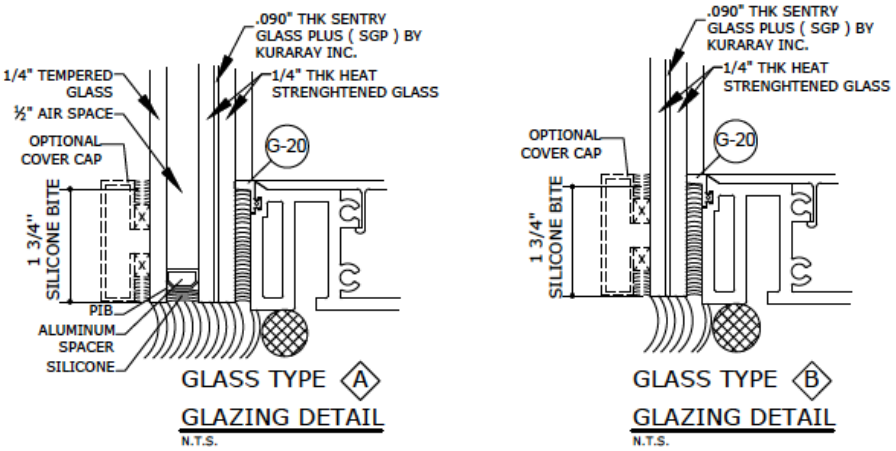


Series 7000 - SG-SS (LMI) Window Wall Installation Manual

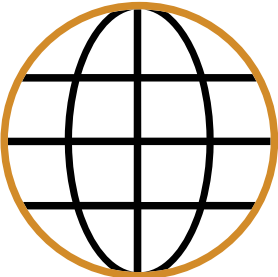
GLASS LOADING TABLES (P.S.F.)

84 in.			90 in.			96 in.			102 in.			108 in.			114 in.			120 in.		
HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.		
WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F
24	120	120	24	120	120	24	120	120	24	120	120	24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120	30	120	120	30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120	36	120	120	36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120	42	120	120	42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120	48	120	120	48	120	120	48	120	120	48	120	120
54	106	106	54	106	106	54	106	106	54	106	106	54	106	106	54	106	106	54	106	106
57 1/2	100	100	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100
60	95	95	60	95	95	60	95	95	60	95	95	60	95	95	60	95	95	60	95	95
66	87	87	66	87	87	66	87	87	66	87	87	66	87	87	66	87	87	66	87	87
72	79	79	72	79	79	72	79	79	72	79	79	72	79	79	72	79	79	72	79	79
78	73	73	78	73	73	78	73	73	78	73	73	78	73	73	78	73	73	78	73	73
84	68	68	84	68	68	84	68	68	84	68	68	84	68	68	84	68	68	84	68	68
90	68	68																		
96	68	68																		

126 in.			132 in.			138 in.			140 1/2 in.		
HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.			HEIGHT D.L.O.		
WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F	WIDTH D.L.O.(in.)	(+) P.S.F	(-) P.S.F
24	120	120	24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120	48	120	120
54	106	106	54	106	106	54	106	106	54	106	106
57 1/2	100	100	57 1/2	100	100	57 1/2	100	100	57 1/2	100	100
60	95	95	60	95	95				57 1/2	100	100



NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)

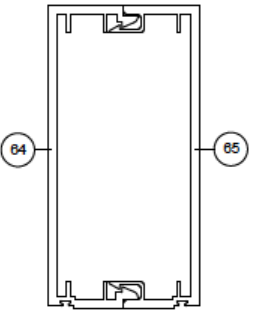


Series 7000 - SG-SS (LMI) Window Wall Installation Manual

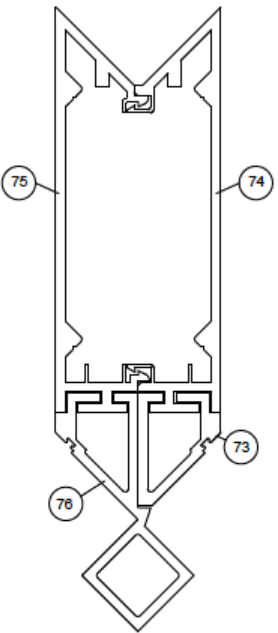
MULLION LOADING TABLES (P.S.F.)

48 in.			54 in.			60 in.			66 in.			72 in.		
HEIGHT			HEIGHT			HEIGHT			HEIGHT			HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120	24	120	120	24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120	48	120	120	48	120	120
54	120	120	54	120	120	54	120	120	54	120	120	54	120	120
60	120	120	60	120	120	60	120	120	60	120	120	60	120	120
66	120	120	66	120	120	66	120	120	66	120	120	66	120	120
72	120	120	72	120	120	72	120	120	72	120	120	72	120	120
78	120	120	78	120	120	78	120	120	78	120	120	78	120	120
84	120	120	84	120	120	84	120	120	84	120	120	84	120	120
90	120	120	90	120	120	90	120	120	90	120	120	90	120	120
96	120	120	96	120	120	96	120	120	96	120	120	96	120	120
102	120	120	102	120	120	102	120	120	102	120	120	102	120	120
108	120	120	108	120	120	108	120	120	108	120	120	108	120	120
114	120	120	114	120	120	114	120	120	114	120	120	114	120	120
120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
126	120	120	126	120	120	126	120	120	126	120	120	126	120	120
132	120	120	132	120	120	132	120	120	132	120	120	132	120	120
138	120	120	138	120	120	138	120	120	138	120	120	138	120	120
144	120	120	144	120	120	144	120	120	144	120	120	144	120	120

NON REINFORCED MULLIONS



TYPE "A"

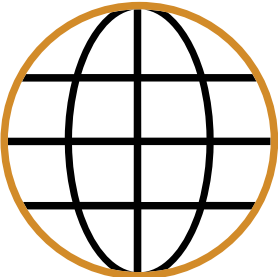


TYPE "B"

LINEAR INTERPOLATION
BETWEEN WIDTHS OR
HEIGHTS ALLOWED.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$



Series 7000 - SG-SS (LMI) Window Wall Installation Manual

MULLION LOADING TABLES (P.S.F.)

78 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	120	120
72	120	120
78	120	120
84	120	120
90	120	120
96	120	120
102	120	120
108	120	120

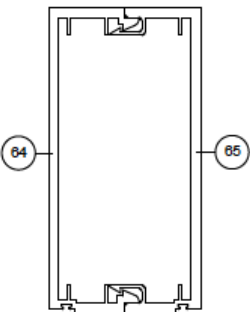
84 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	120	120
72	120	120
78	120	120
84	120	120
90	120	120
96	120	120
102	120	120

90 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	120	120
72	120	120
78	120	120
84	120	120
90	120	120
96	120	120

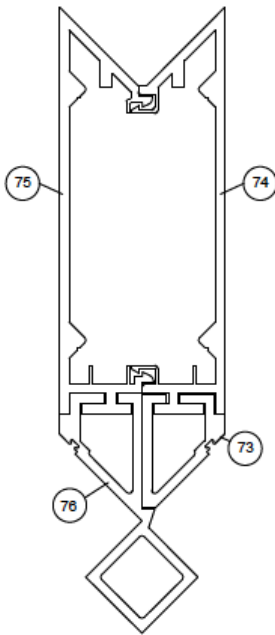
96 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	120	120
72	120	120
78	116	116
84	114	114
90	112	112

102 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	120	120
60	120	120
66	113	113
72	109	109
78	105	105
84	102	102

NON REINFORCED MULLIONS



TYPE "A"



TYPE "B"

108in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	118	118
60	110	110
66	104	104
72	100	100
78	96	96

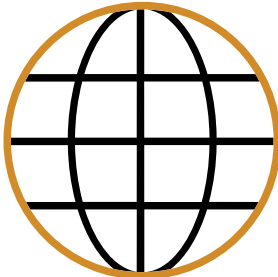
114 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	110	110
60	102	102
66	96	96
72	92	92

120 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	120	120
48	120	120
54	103	103
60	96	96
66	90	90
72	85	85

LINEAR INTERPOLATION
BETWEEN WIDTHS OR
HEIGHTS ALLOWED.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$



Series 7000 - SG-SS (LMI) Window Wall Installation Manual

MULLION LOADING TABLES (P.S.F.)

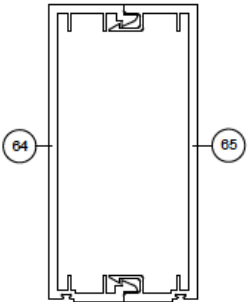
126 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	117	117
48	105	105
54	96	96
60	90	90
66	83	83

132 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	120	120
42	111	111
48	100	100
54	89	89
60	82	82

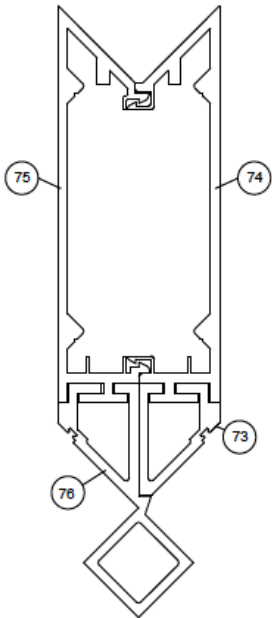
138 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	120	120
36	113	113
42	98	98
48	87	87
54	78	78
60	71	71

144 in.		
HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120
30	118	118
36	99	99
42	86	86
48	76	76
54	68	68
60	62	62

NON REINFORCED MULLIONS



TYPE "A"

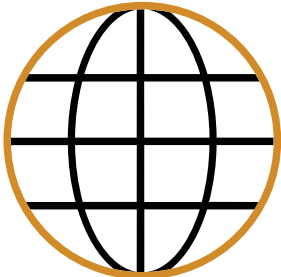


TYPE "B"

LINEAR INTERPOLATION
BETWEEN WIDTHS OR
HEIGHTS ALLOWED.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

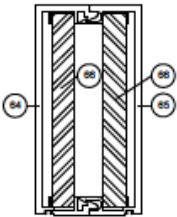


Series 7000 - SG-SS (LMI) Window Wall Installation Manual

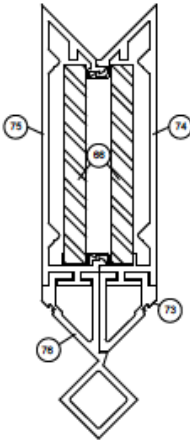
MULLION LOADING TABLES FOR REINFORCED MULLIONS (P.S.F.)

48 in.			54 in.			60 in.			66 in.			72 in.		
HEIGHT			HEIGHT			HEIGHT			HEIGHT			HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120	24	120	120	24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120	48	120	120	48	120	120
51	120	120	51	120	120	51	120	120	51	120	120	51	120	120
54	120	120	54	120	120	54	120	120	54	120	120	54	120	120
60	120	120	60	120	120	60	120	120	60	120	120	60	120	120
66	120	120	66	120	120	66	120	120	66	120	120	66	120	120
72	120	120	72	120	120	72	120	120	72	120	120	72	120	120
73 3/4	120	120	73 3/4	120	120	73 3/4	120	120	73 3/4	120	120	73 3/4	120	120
78	120	120	78	120	120	78	120	120	78	120	120	78	120	120
84	120	120	84	120	120	84	120	120	84	120	120	84	120	120
90	120	120	90	120	120	90	120	120	90	120	120	90	120	120
96	120	120	96	120	120	96	120	120	96	120	120	96	120	120
102	120	120	102	120	120	102	120	120	102	120	120	102	120	120
108	120	120	108	120	120	108	120	120	108	120	120	108	120	120
114	120	120	114	120	120	114	120	120	114	120	120	114	120	120
120	120	120	120	120	120	120	120	120	120	120	120	120	120	120
126	120	120	126	120	120	126	120	120	126	120	120	126	120	120
132	120	120	132	120	120	132	120	120	132	120	120	132	120	120
138	120	120	138	120	120	138	120	120	138	120	120	138	120	120
144	120	120	144	120	120	144	120	120	144	120	120	144	120	120

REINFORCED MULLION



TYPE "AR"

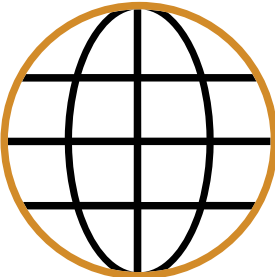


TYPE "BR"

LINEAR INTERPOLATION
BETWEEN WIDTHS OR
HEIGHTS ALLOWED.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

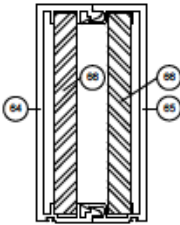


Series 7000 - SG-SS (LMI) Window Wall Installation Manual

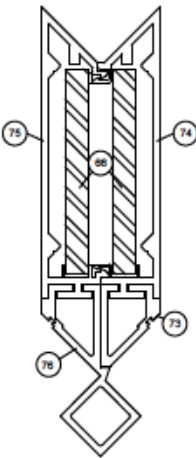
MULLION LOADING TABLES FOR REINFORCED MULLIONS (P.S.F.)

78 in.			84 in.			90 in.			96 in.			102 in.		
HEIGHT			HEIGHT			HEIGHT			HEIGHT			HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120	24	120	120	24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120	48	120	120	48	120	120
51	120	120	51	120	120	51	120	120	51	120	120	51	120	120
54	120	120	54	120	120	54	120	120	54	120	120	54	120	120
60	120	120	60	120	120	60	120	120	60	120	120	60	120	120
66	120	120	66	120	120	66	120	120	66	120	120	66	120	120
72	120	120	72	120	120	72	120	120	72	120	120	72	120	120
73 3/4	120	120	73 3/4	120	120	73 3/4	120	120	73 3/4	120	120	73 3/4	120	120
78	120	120	78	120	120	78	120	120	78	120	120	78	120	120
84	120	120	84	120	120	84	120	120	84	120	120	84	120	120
90	120	120	90	120	120	90	120	120	90	120	120	90	120	120
96	120	120	96	120	120	96	120	120	96	120	120	96	120	120
102	120	120	102	120	120	102	120	120	102	120	120	102	120	120
108	120	120												

REINFORCED MULLION



TYPE "AR"



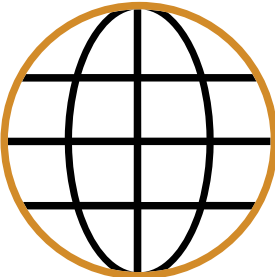
TYPE "BR"

108in.			114 in.			120 in.		
HEIGHT			HEIGHT			HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120
51	120	120	51	120	120	51	120	120
54	120	120	54	120	120	54	120	120
60	120	120	60	120	120	60	120	120
66	120	120	66	120	120	66	120	120
72	120	120	72	120	120	72	120	120
73 3/4	120	120	73 3/4	120	120	73 3/4	112	112
78	120	120						

LINEAR INTERPOLATION
BETWEEN WIDTHS OR
HEIGHTS ALLOWED.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

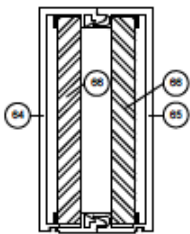


Series 7000 - SG-SS (LMI) Window Wall Installation Manual

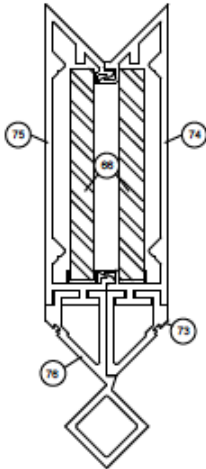
MULLION LOADING TABLES FOR REINFORCED MULLIONS (P.S.F.)

126 in.			132 in.			138 in.			144 in.		
HEIGHT			HEIGHT			HEIGHT			HEIGHT		
WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.	WIDTH (in.)	(+) P.S.F.	(-) P.S.F.
24	120	120	24	120	120	24	120	120	24	120	120
30	120	120	30	120	120	30	120	120	30	120	120
36	120	120	36	120	120	36	120	120	36	120	120
42	120	120	42	120	120	42	120	120	42	120	120
48	120	120	48	120	120	48	120	120	48	120	120
51	120	120	51	120	120	54	78	78	54	68	68
54	120	120	54	89	89	60	71	71	60	62	62
60	90	90	60	82	82						
66	83	83									

REINFORCED MULLION



TYPE "AR"

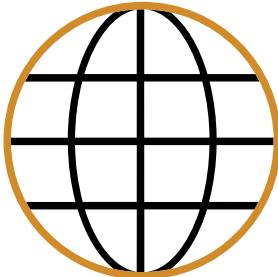


TYPE "BR"

LINEAR INTERPOLATION
BETWEEN WIDTHS OR
HEIGHTS ALLOWED.

MULLION TRIBUTARY WIDTH

$$W = \frac{W1}{2} + \frac{W2}{2}$$

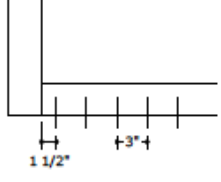
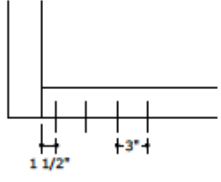
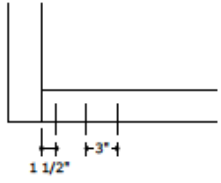
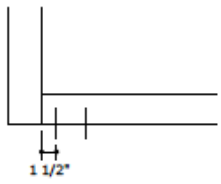
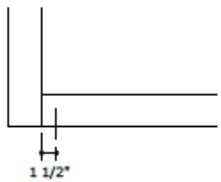


Series 7000 - SG-SS (LM) Window Wall Installation Manual

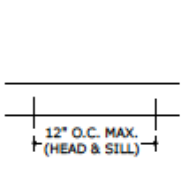
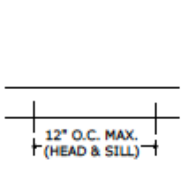
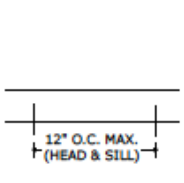
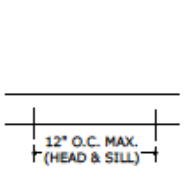
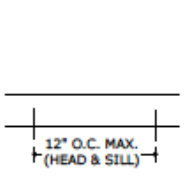
ANCHOR LOAD CAPACITY CHART 1/4" SHIM MAX - (CONDITION 1 AND CONDITION 2)

FRAME HEIGHT	WIDTH (W)	TYPE A NUMBER OF ANCHORS AT THE CLUSTER					TYPE B NUMBER OF ANCHORS AT THE CLUSTER					TYPE C NUMBER OF ANCHORS AT THE CLUSTER				
		ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-				
		2	4	6	8	10	2	4	6	8	2	4	6	8	10	
48	48	101	140	140	140	140	111	140	140	140	116	140	140	140	140	
	54	90	140	140	140	140	99	140	140	140	103	140	140	140	140	
	60	81	140	140	140	140	89	140	140	140	92	140	140	140	140	
	66	73	140	140	140	140	81	140	140	140	84	140	140	140	140	
	72	67	135	140	140	140	74	140	140	140	77	135	140	140	140	
	78	62	124	140	140	140	68	137	140	140	71	124	140	140	140	
	84	58	115	140	140	140	64	127	140	140	66	115	140	140	140	
	90	54	108	140	140	140	59	119	140	140	62	108	140	140	140	
	96	51	101	140	140	140	56	111	140	140	58	101	140	140	140	
	102	48	95	140	140	140	52	105	140	140	54	95	140	140	140	
	108	45	90	135	140	140	49	99	140	140	51	90	135	140	140	
	114	43	85	128	140	140	47	94	140	140	49	85	128	140	140	
	120	40	81	121	140	140	45	89	134	140	46	81	121	140	140	
	126	38	77	115	140	140	42	85	127	140	44	77	115	140	140	
54	132	37	73	110	140	140	40	81	121	140	42	73	110	140	140	
	138	35	70	105	140	140	39	77	116	140	40	70	105	140	140	
	144	34	67	101	135	140	37	74	111	140	39	67	101	135	140	
	42	103	140	140	140	140	113	140	140	140	117	140	140	140	140	
	48	90	140	140	140	140	99	140	140	140	103	140	140	140	140	
	54	80	140	140	140	140	88	140	140	140	91	140	140	140	140	
	60	72	140	140	140	140	79	140	140	140	82	140	140	140	140	
	66	65	131	140	140	140	72	140	140	140	75	131	140	140	140	
	72	60	120	140	140	140	66	132	140	140	68	120	140	140	140	
	78	55	110	140	140	140	61	122	140	140	63	110	140	140	140	
	84	51	103	140	140	140	57	113	140	140	59	103	140	140	140	
	90	48	96	140	140	140	53	105	140	140	55	96	140	140	140	
	96	45	90	135	140	140	49	99	140	140	51	90	135	140	140	
	102	42	84	127	140	140	47	93	140	140	48	84	127	140	140	
	108	40	80	120	140	140	44	88	132	140	46	80	120	140	140	
60	114	38	76	113	140	140	42	83	125	140	43	76	113	140	140	
	120	36	72	108	140	140	40	79	119	140	41	72	108	140	140	
	126	34	68	103	137	140	38	75	113	140	39	68	103	137	140	
	42	92	140	140	140	140	102	140	140	140	106	140	140	140	140	
	48	81	140	140	140	140	89	140	140	140	92	140	140	140	140	
	54	72	140	140	140	140	79	140	140	140	82	140	140	140	140	
	60	65	129	140	140	140	71	140	140	140	74	129	140	140	140	
	66	59	118	140	140	140	65	129	140	140	67	118	140	140	140	
	72	54	108	140	140	140	59	119	140	140	62	108	140	140	140	
	78	50	99	140	140	140	55	110	140	140	57	99	140	140	140	
	84	46	92	139	140	140	51	102	140	140	53	92	139	140	140	
	90	43	86	129	140	140	47	95	140	140	49	86	129	140	140	
	96	40	81	121	140	140	45	89	134	140	46	81	121	140	140	
	102	38	76	114	140	140	42	84	126	140	43	76	114	140	140	
	108	36	72	108	140	140	40	79	119	140	41	72	108	140	140	
66	114	34	68	102	136	140	37	75	112	140	39	68	102	136	140	
	36	98	140	140	140	140	108	140	140	140	112	140	140	140	140	
	42	84	140	140	140	140	92	140	140	140	96	140	140	140	140	
	48	73	140	140	140	140	81	140	140	140	84	140	140	140	140	
	54	65	131	140	140	140	72	140	140	140	75	131	140	140	140	
	60	59	118	140	140	140	65	129	140	140	67	118	140	140	140	
	66	53	107	140	140	140	59	118	140	140	61	107	140	140	140	
	72	49	98	140	140	140	54	108	140	140	56	98	140	140	140	
	78	45	90	136	140	140	50	100	140	140	52	90	136	140	140	
	84	42	84	126	140	140	46	92	139	140	48	84	126	140	140	
	90	39	78	118	140	140	43	86	129	140	45	78	118	140	140	
	96	37	73	110	140	140	40	81	121	140	42	73	110	140	140	
	102	35	69	104	138	140	38	76	114	140	40	69	104	138	140	

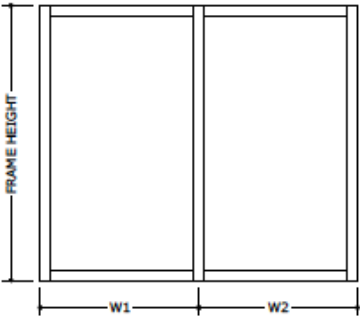
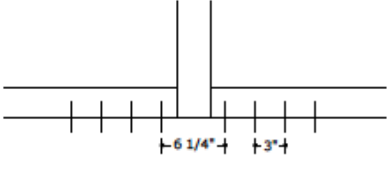
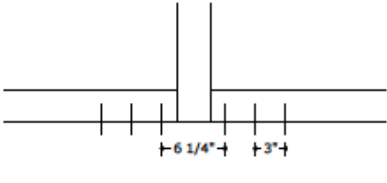
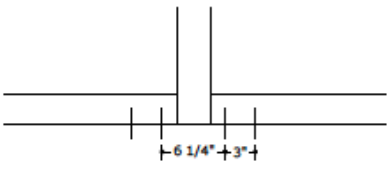
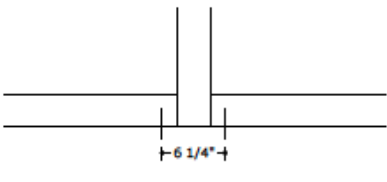
ANCHORS AT JAMB



ANCHORS BETWEEN CLUSTERS

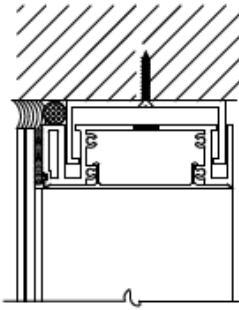


ANCHORS AT INTERMEDIATE

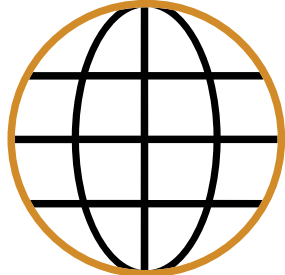
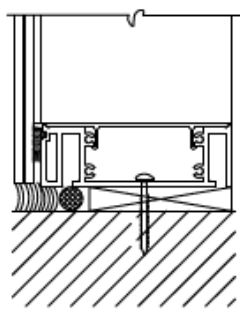


WIDTH (W) = $\frac{W1 + W2}{2}$
WIDTH (W) = W1 (AT FRAME JAMBS)

CONDITION 1 HEAD/SILL
WITH SUB BUCK (1/2" MAX SHIM)



CONDITION 2 HEAD/SILL
WITHOUT SUB BUCK (3/4" MAX SHIM)



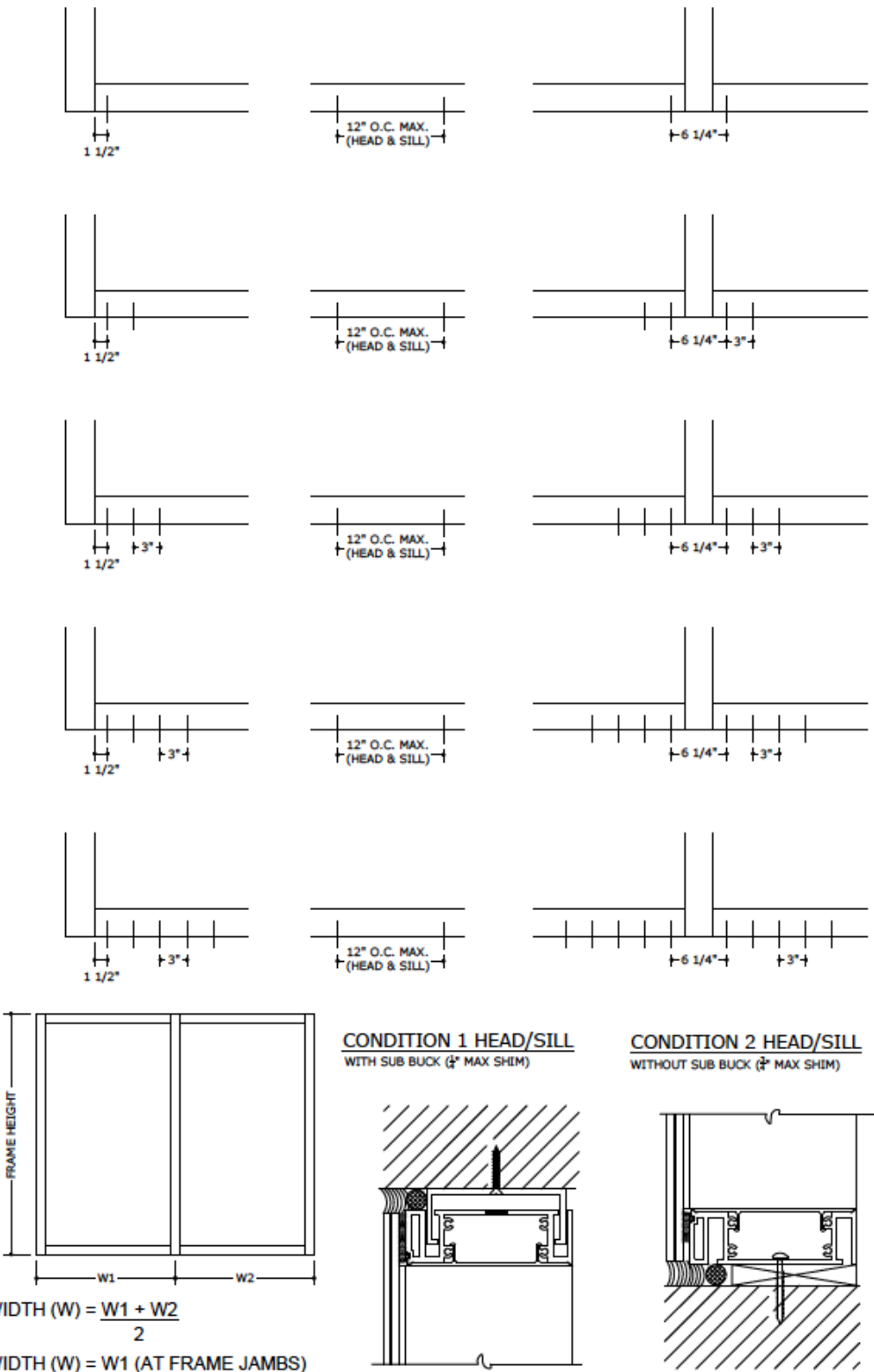
Series 7000 - SG-SS (LM) Window Wall Installation Manual



ANCHOR LOAD CAPACITY CHART 1/4" SHIM MAX - (CONDITION 1 AND CONDITION 2)

		TYPE A NUMBER OF ANCHORS AT THE CLUSTER					TYPE B NUMBER OF ANCHORS AT THE CLUSTER					TYPE C NUMBER OF ANCHORS AT THE CLUSTER				
		ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-				
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	2	4	6	8	10	2	4	6	8	10
72	24	135	140	140	140	140	140	140	140	140	140	140	140	140	140	140
	30	108	140	140	140	140	119	140	140	140	123	140	140	140	140	140
	36	90	140	140	140	140	99	140	140	140	103	140	140	140	140	140
	42	77	140	140	140	140	85	140	140	140	88	140	140	140	140	140
	48	67	135	140	140	140	74	140	140	140	77	135	140	140	140	140
	54	60	120	140	140	140	66	132	140	140	68	120	140	140	140	140
	60	54	108	140	140	140	59	119	140	140	62	108	140	140	140	140
	66	49	98	140	140	140	54	108	140	140	56	98	140	140	140	140
	72	45	90	135	140	140	49	99	140	140	51	90	135	140	140	140
	78	41	83	124	140	140	46	91	137	140	47	83	124	140	140	140
78	84	38	77	115	140	140	42	85	127	140	44	77	115	140	140	140
	90	36	72	108	140	140	40	79	119	140	41	72	108	140	140	140
	96	34	67	101	135	140	37	74	111	140	39	67	101	135	140	140
	24	124	140	140	140	140	137	140	140	140	140	140	140	140	140	140
	30	99	140	140	140	140	110	140	140	140	114	140	140	140	140	140
	36	83	140	140	140	140	91	140	140	140	95	140	140	140	140	140
	30	99	140	140	140	140	110	140	140	140	114	140	140	140	140	140
	36	83	140	140	140	140	91	140	140	140	95	140	140	140	140	140
	42	71	140	140	140	140	78	140	140	140	81	140	140	140	140	140
	48	62	124	140	140	140	68	137	140	140	71	124	140	140	140	140
84	54	55	110	140	140	140	61	122	140	140	63	110	140	140	140	140
	60	50	99	140	140	140	55	110	140	140	57	99	140	140	140	140
	66	45	90	136	140	140	50	100	140	140	52	90	136	140	140	140
	72	41	83	124	140	140	46	91	137	140	47	83	124	140	140	140
	78	38	76	115	140	140	42	84	126	140	44	76	115	140	140	140
	84	36	71	107	140	140	39	78	117	140	41	71	107	140	140	140
	24	115	140	140	140	140	127	140	140	140	132	140	140	140	140	140
	30	92	140	140	140	140	102	140	140	140	106	140	140	140	140	140
	36	77	140	140	140	140	85	140	140	140	88	140	140	140	140	140
	42	66	132	140	140	140	73	140	140	140	75	132	140	140	140	140
90	48	58	115	140	140	140	64	127	140	140	66	115	140	140	140	140
	54	51	103	140	140	140	57	113	140	140	59	103	140	140	140	140
	60	46	92	139	140	140	51	102	140	140	53	92	139	140	140	140
	66	42	84	126	140	140	46	92	139	140	48	84	126	140	140	140
	72	38	77	115	140	140	42	85	127	140	44	77	115	140	140	140
	78	36	71	107	140	140	39	78	117	140	41	71	107	140	140	140
	24	108	140	140	140	140	119	140	140	140	123	140	140	140	140	140
	30	86	140	140	140	140	95	140	140	140	99	140	140	140	140	140
	36	72	140	140	140	140	79	140	140	140	82	140	140	140	140	140
	42	62	123	140	140	140	68	136	140	140	70	123	140	140	140	140
96	48	54	108	140	140	140	59	119	140	140	62	108	140	140	140	140
	54	48	96	140	140	140	53	105	140	140	55	96	140	140	140	140
	60	43	86	129	140	140	47	95	140	140	49	86	129	140	140	140
	66	39	78	118	140	140	43	86	129	140	45	78	118	140	140	140
	72	36	72	108	140	140	40	79	119	140	41	72	108	140	140	140
	24	101	140	140	140	140	111	140	140	140	116	140	140	140	140	140
	30	81	140	140	140	140	89	140	140	140	92	140	140	140	140	140
	36	67	135	140	140	140	74	140	140	140	77	135	140	140	140	140
	42	58	115	140	140	140	64	127	140	140	66	115	140	140	140	140
	48	51	101	140	140	140	56	111	140	140	58	101	140	140	140	140
102	54	45	90	135	140	140	49	99	140	140	51	90	135	140	140	140
	60	40	81	121	140	140	45	89	134	140	46	81	121	140	140	140
	66	37	73	110	140	140	40	81	121	140	42	73	110	140	140	140
	72	34	67	101	135	140	37	74	111	140	39	67	101	135	140	140
	24	95	140	140	140	140	105	140	140	140	109	140	140	140	140	140
	30	76	140	140	140	140	84	140	140	140	87	140	140	140	140	140
	36	63	127	140	140	140	70	140	140	140	72	127	140	140	140	140
	42	54	109	140	140	140	60	120	140	140	62	109	140	140	140	140
	48	48	95	140	140	140	52	105	140	140	54	95	140	140	140	140
	54	42	84	127	140	140	47	93	140	140	48	84	127	140	140	140
102	60	38	76	114	140	140	42	84	126	140	43	76	114	140	140	140
	66	35	69	104	138	140	38	76	114	140	40	69	104	138	140	140

ANCHORS AT JAMB ANCHORS BETWEEN CLUSTERS ANCHORS AT INTERMEDIATE



Series 7000 - SG-SS (LM) Window Wall Installation Manual

ANCHOR LOAD CAPACITY CHART 1/4" SHIM MAX - (CONDITION 1 AND CONDITION 2)

FRAME HEIGHT	WIDTH (W)	TYPE A NUMBER OF ANCHORS AT THE CLUSTER					TYPE B NUMBER OF ANCHORS AT THE CLUSTER					TYPE C NUMBER OF ANCHORS AT THE CLUSTER				
		ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-					ALLOWABLE PRESSURE (PSF) +/-				
		2	4	6	8	10	2	4	6	8	10	2	4	6	8	10
108	24	90	140	140	140	140	99	140	140	140	140	103	140	140	140	140
	30	72	140	140	140	140	79	140	140	140	140	82	140	140	140	140
	36	60	120	140	140	140	66	132	140	140	140	68	120	140	140	140
	42	51	103	140	140	140	57	113	140	140	140	59	103	140	140	140
	48	45	90	135	140	140	49	99	140	140	140	51	90	135	140	140
114	54	40	80	120	140	140	44	88	132	140	140	46	80	120	140	140
	24	85	140	140	140	140	94	140	140	140	140	97	140	140	140	140
	30	68	136	140	140	140	75	140	140	140	140	78	136	140	140	140
	36	57	113	140	140	140	62	125	140	140	140	65	113	140	140	140
	42	49	97	140	140	140	54	107	140	140	140	56	97	140	140	140
120	48	43	85	128	140	140	47	94	140	140	140	49	85	128	140	140
	54	38	76	113	140	140	42	83	125	140	140	43	76	113	140	140
	60	34	68	102	136	140	37	75	112	140	140	39	68	102	136	140
	24	81	140	140	140	140	89	140	140	140	140	92	140	140	140	140
	30	65	129	140	140	140	71	140	140	140	140	74	129	140	140	140
126	36	54	108	140	140	140	59	119	140	140	140	62	108	140	140	140
	42	46	92	139	140	140	51	102	140	140	140	53	92	139	140	140
	48	40	81	121	140	140	45	89	134	140	140	46	81	121	140	140
	54	36	72	108	140	140	40	79	119	140	140	41	72	108	140	140
	24	77	140	140	140	140	85	140	140	140	140	88	140	140	140	140
132	30	62	123	140	140	140	68	136	140	140	140	70	123	140	140	140
	36	51	103	140	140	140	57	113	140	140	140	59	103	140	140	140
	42	44	88	132	140	140	48	97	140	140	140	50	88	132	140	140
	48	38	77	115	140	140	42	85	127	140	140	44	77	115	140	140
	24	73	140	140	140	140	81	140	140	140	140	84	140	140	140	140
138	30	59	118	140	140	140	65	129	140	140	140	67	118	140	140	140
	36	49	98	140	140	140	54	108	140	140	140	56	98	140	140	140
	42	42	84	126	140	140	46	92	139	140	140	48	84	126	140	140
	48	37	73	110	140	140	40	81	121	140	140	42	73	110	140	140
	24	70	140	140	140	140	77	140	140	140	140	80	140	140	140	140
144	30	56	112	140	140	140	62	124	140	140	140	64	112	140	140	140
	36	47	94	140	140	140	52	103	140	140	140	54	94	140	140	140
	42	40	80	120	140	140	44	88	133	140	140	46	80	120	140	140
	48	35	70	105	140	140	39	77	116	140	140	40	70	105	140	140
	24	67	135	140	140	140	74	140	140	140	140	77	135	140	140	140
144	30	54	108	140	140	140	59	119	140	140	140	62	108	140	140	140
	36	45	90	135	140	140	49	99	140	140	140	51	90	135	140	140
	42	38	77	115	140	140	42	85	127	140	140	44	77	115	140	140
	48	34	67	101	135	140	37	74	111	140	140	39	67	101	135	140

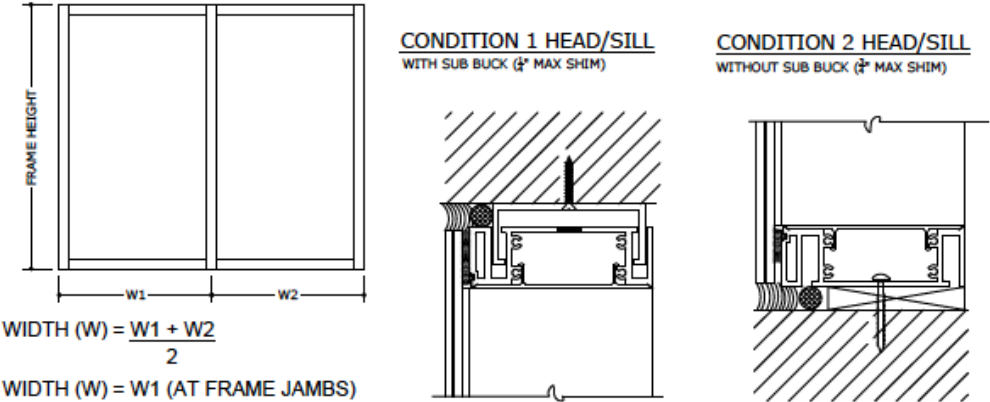
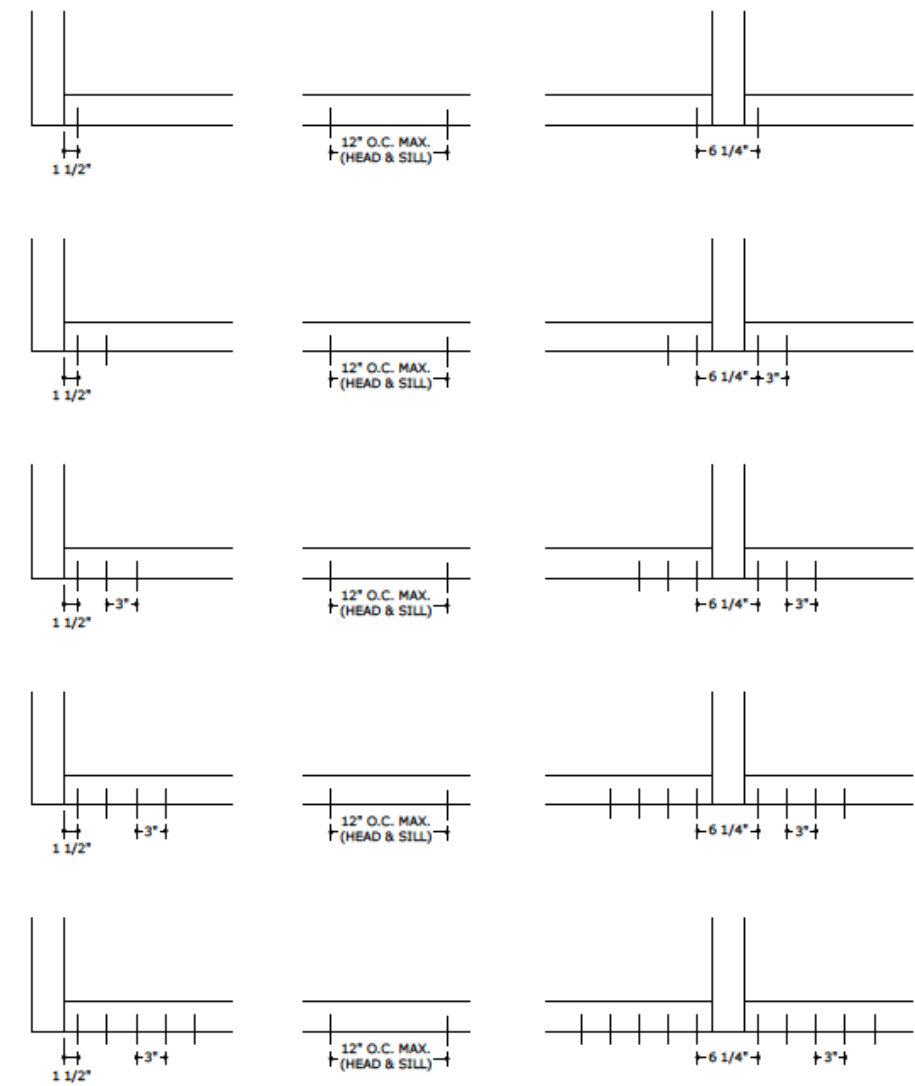
TYPICAL ANCHOR TYPES:

TYPE A - 5/16" DEWALT ULTRA CON OR EQUAL, 1 1/2" MIN ENGAGEMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1-1/4" MIN EDGE DISTANCE

TYPE B - 5/16" DEWALT ULTRA CON OR EQUAL, 2" EFFECTIVE EMBEDMENT INTO 3000 PSI CONCRETE MIN. WITH 2 1/2" EDGE DISTANCE

TYPE C - 5/16" -24 DEWALT DRILL FLEX OR EQUAL, ENGAGING 5 PITCHES PASSED THE THREAD PLANE INTO 1/8" ALUMINUM (6063-T5 MIN) OR 1/8" STEEL (A36 MIN), 3/4" MIN EDGE DISTANCE

ANCHORS AT JAMB ANCHORS BETWEEN CLUSTERS ANCHORS AT INTERMEDIATE



Series 7000 - SG-SS (LMI) Window Wall Installation Manual

ANCHOR LOAD CAPACITY CHARTS FOR 3/8" SHIM MAX - (CONDITION 2 ONLY)

		TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER					
		ALLOWABLE PRESSURE (PSF) +/-					
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	
48	48	90	140	140	140	140	
	54	80	140	140	140	140	
	60	72	140	140	140	140	
	66	66	131	140	140	140	
	72	60	120	140	140	140	
	78	56	111	140	140	140	
	84	52	103	140	140	140	
	90	48	96	140	140	140	
	96	45	90	135	140	140	
	102	42	85	127	140	140	
	108	40	80	120	140	140	
	114	38	76	114	140	140	
	120	36	72	108	140	140	
	126	34	69	103	138	140	
54	132	33	66	98	131	140	
	138	31	63	94	126	140	
	144	30	60	90	120	140	
	42	92	140	140	140	140	
	48	80	140	140	140	140	
	54	71	140	140	140	140	
	60	64	128	140	140	140	
	66	58	117	140	140	140	
	72	53	107	140	140	140	
	78	49	99	140	140	140	
	84	46	92	138	140	140	
	90	43	86	128	140	140	
	96	40	80	120	140	140	
	102	38	76	113	140	140	
60	108	36	71	107	140	140	
	114	34	68	101	135	140	
	120	32	64	96	128	140	
	126	31	61	92	122	140	
	42	83	140	140	140	140	
	48	72	140	140	140	140	
	54	64	128	140	140	140	
	60	58	116	140	140	140	
	66	53	105	140	140	140	
	72	48	96	140	140	140	
	78	44	89	133	140	140	
	84	41	83	124	140	140	
	90	39	77	116	140	140	
	96	36	72	108	140	140	
66	102	34	68	102	136	140	
	108	32	64	96	128	140	
	114	30	61	91	122	140	
	36	88	140	140	140	140	
	42	75	140	140	140	140	
	48	66	131	140	140	140	
	54	58	117	140	140	140	
	60	53	105	140	140	140	
	66	48	95	140	140	140	
	72	44	88	131	140	140	
	78	40	81	121	140	140	
	84	38	75	113	140	140	
	90	35	70	105	140	140	
	96	33	66	98	131	140	
72	102	31	62	93	124	140	
	24	120	140	140	140	140	
	30	96	140	140	140	140	
	36	80	140	140	140	140	
	42	69	138	140	140	140	
	48	60	120	140	140	140	
	54	53	107	140	140	140	
	60	48	96	140	140	140	
	66	44	88	131	140	140	
	72	40	80	120	140	140	
	78	37	74	111	140	140	
	84	34	69	103	138	140	
	90	32	64	96	128	140	
	96	30	60	90	120	140	
78	24	111	140	140	140	140	
	30	89	140	140	140	140	
	36	74	140	140	140	140	
	30	89	140	140	140	140	
	36	74	140	140	140	140	
	42	63	127	140	140	140	
	48	56	111	140	140	140	
	54	49	99	140	140	140	
	60	44	89	133	140	140	
	66	40	81	121	140	140	
	72	37	74	111	140	140	
	78	34	68	103	137	140	
	84	32	63	95	127	140	
			TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER				
		ALLOWABLE PRESSURE (PSF) +/-					
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	
84	24	103	140	140	140	140	
	30	83	140	140	140	140	
	36	69	138	140	140	140	
	42	59	118	140	140	140	
	48	52	103	140	140	140	
	54	46	92	138	140	140	
	60	41	83	124	140	140	
	66	38	75	113	140	140	
	72	34	69	103	138	140	
	78	32	63	95	127	140	
	24	96	140	140	140	140	
	30	77	140	140	140	140	
	36	64	128	140	140	140	
	42	55	110	140	140	140	
90	48	48	96	140	140	140	
	54	43	86	128	140	140	
	60	39	77	116	140	140	
	66	35	70	105	140	140	
	72	32	64	96	128	140	
	24	90	140	140	140	140	
	30	72	140	140	140	140	
	36	60	120	140	140	140	
	42	52	103	140	140	140	
	48	45	90	135	140	140	
	54	40	80	120	140	140	
	60	36	72	108	140	140	
	66	33	66	98	131	140	
	72	30	60	90	120	140	
96	24	85	140	140	140	140	
	30	68	136	140	140	140	
	36	57	113	140	140	140	
	42	49	97	140	140	140	
	48	42	85	127	140	140	
	54	38	76	113	140	140	
	60	34	68	102	136	140	
	66	31	62	93	124	140	
	24	80	140	140	140	140	
	30	64	128	140	140	140	
	36	53	107	140	140	140	
	42	46	92	138	140	140	
	48	40	80	120	140	140	
	54	36	71	107	140	140	
		TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER					
		ALLOWABLE PRESSURE (PSF) +/-					
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	
114	24	76	140	140	140	140	
	30	61	122	140	140	140	
	36	51	101	140	140	140	
	42	43	87	130	140	140	
	48	38	76	114	140	140	
	54	34	68	101	135	140	
	60	30	61	91	122	140	
	24	72	140	140	140	140	
	30	58	116	140	140	140	
	36	48	96	140	140	140	
	42	41	83	124	140	140	
	48	36	72	108	140	140	
	54	32	64	96	128	140	
	24	69	138	140	140	140	
120	30	55	110	140	140	140	
	36	48	96	140	140	140	
	42	41	83	124	140	140	
	48	36	72	108	140	140	
	54	32	64	96	128	140	
	24	69	138	140	140	140	
	30	55	110	140	140	140	
	36	46	92	138	140	140	
	42	39	79	118	140	140	
	48	34	69	103	138	140	
	24	66	131	140	140	140	
	30	53	105	140	140	140	
	36	44	88	131	140	140	
	42	38	75	113	140	140	
126	48	33	66	98	131	140	
	24	63	126	140	140	140	
	30	50	100	140	140	140	
	36	42	84	126	140	140	
	42	36	72	108	140	140	
	48	31	63	94	126	140	
	24	60	120	140	140	140	
	30	48	96	140	140	140	
	36	40	80	120	140	140	
	42	34	69	103	138	140	
	48	30	60	90	120	140	
			TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER				
			ALLOWABLE PRESSURE (PSF) +/-				
	FRAME HEIGHT	WIDTH (W)	2	4	6	8	10
132	24	66	131	140	140	140	
	30	53	105	140	140	140	
	36	44	88	131	140	140	
	42	38	75	113	140	140	
	48	33	66	98	131	140	
	24	66	131	140	140	140	
	30	53	105	140	140	140	
	36	46	92	138	140	140	
	42	39	79	118	140	140	
	48	34	69	103	138	140	
	24	66	131	140	140	140	
	30	53	105	140	140	140	
	36	46	92	138	140	140	
	42	39	79	118	140	140	
138	48	34	69	103	138	140	
	24	66	131	140	140	140	
	30	53	105	140	140	140	
	36	44	88	131	140	140	
	42	38	75	113	140	140	
	48	33	66	98	131	140	
	24	63	126	140	140	140	
	30	50	100	140	140	140	
	36	42	84	126	140	140	
	42	36	72	108	140	140	
	48	31	63	94	126	140	
	24	60	120	140	140	140	
	30	48	96	140	140	140	
	36	40	80	120	140	140	
42	34	69	103	138	140		
144	48	30	60	90	120	140	
	24	66	131	140	140	140	
	30	53	105	140	140	140	
	36	44	88	131	140	140	
	42	38	75	113	140	140	
	48	33	66	98	131	140	
	24	63	126	140	140	140	
	30	50	100	140	140	140	

WIDTH (W) = $\frac{W1 + W2}{2}$

WIDTH (W) = W1 (AT FRAME JAMBS)

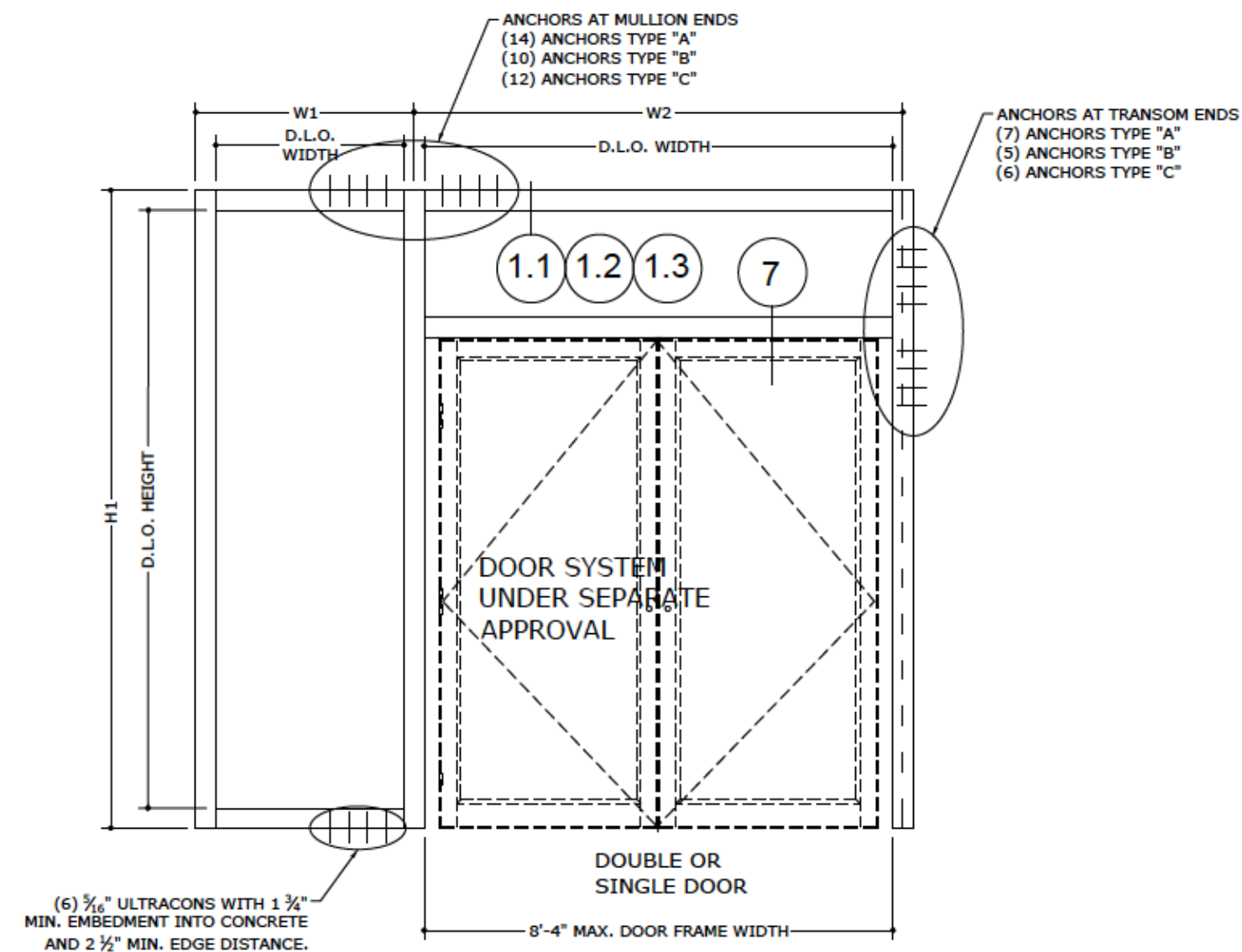
FRAME HEIGHT

Series 7000 - SG-SS (LMI) Window Wall Installation Manual

ANCHOR LOAD CAPACITY CHARTS FOR 3/4" SHIM MAX - (CONDITION 2 ONLY)

		TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER					
		ALLOWABLE PRESSURE (PSF) +/-					
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	12
48	48	50	101	140	140	140	140
	54	45	89	134	140	140	140
	60	40	80	121	140	140	140
	66	37	73	110	140	140	140
	72	34	67	101	134	140	140
	78	31	62	93	124	140	140
	84	29	57	86	115	140	140
	90	27	54	80	107	134	140
	96	25	50	75	101	126	140
	102	24	47	71	95	118	140
	108	22	45	67	89	112	134
	114	21	42	63	85	106	127
	120	20	40	60	80	101	121
	126	19	38	57	77	96	115
54	132	18	37	55	73	91	110
	138	17	35	52	70	87	105
	144	17	34	50	67	84	101
	42	51	102	140	140	140	140
	48	45	89	134	140	140	140
	54	40	79	119	140	140	140
	60	36	71	107	140	140	140
	66	32	65	97	130	140	140
	72	30	60	89	119	140	140
	78	27	55	82	110	137	140
	84	26	51	77	102	128	140
	90	24	48	71	95	119	140
	96	22	45	67	89	112	134
	102	21	42	63	84	105	126
60	108	20	40	60	79	99	119
	114	19	38	56	75	94	113
	120	18	36	54	71	89	107
	126	17	34	51	68	85	102
	42	46	92	138	140	140	140
	48	40	80	121	140	140	140
	54	36	71	107	140	140	140
	60	32	64	96	129	140	140
	66	29	58	88	117	140	140
	72	27	54	80	107	134	140
	78	25	49	74	99	124	140
	84	23	46	69	92	115	138
	90	21	43	64	86	107	129
	96	20	40	60	80	101	121
	102	19	38	57	76	95	114
	108	18	36	54	71	89	107
	114	17	34	51	68	85	102
		TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER					
		ALLOWABLE PRESSURE (PSF) +/-					
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	12
66	36	49	97	140	140	140	140
	42	42	84	125	140	140	140
	48	37	73	110	140	140	140
	54	32	65	97	130	140	140
	60	29	58	88	117	140	140
	66	27	53	80	106	133	140
	72	24	49	73	97	122	140
	78	22	45	67	90	112	135
	84	21	42	63	84	104	125
	90	19	39	58	78	97	117
	96	18	37	55	73	91	110
	102	17	34	52	69	86	103
	108	16	32	49	65	82	99
	114	15	30	46	61	78	95
72	120	14	29	44	59	74	89
	126	13	27	41	56	71	86
	132	12	25	38	52	67	82
	138	11	23	35	49	63	78
	144	10	21	32	45	59	74
	42	48	96	144	144	144	144
	48	42	84	126	144	144	144
	54	36	72	108	144	144	144
	60	30	60	90	132	144	144
	66	24	48	72	108	144	144
	72	18	36	54	81	108	144
	78	12	24	36	54	81	108
	84	6	12	18	27	54	81
	90	0	6	9	13	27	54
	96	0	3	4	6	13	27
78	102	0	0	0	0	0	0
	108	0	0	0	0	0	0
	114	0	0	0	0	0	0
	120	0	0	0	0	0	0
	126	0	0	0	0	0	0
	132	0	0	0	0	0	0
	138	0	0	0	0	0	0
	144	0	0	0	0	0	0
	42	54	108	162	162	162	162
	48	48	96	144	162	162	162
	54	42	84	126	162	162	162
	60	36	72	108	162	162	162
	66	30	60	90	150	162	162
	72	24	48	72	132	162	162
	78	18	36	54	108	150	162
	84	12	24	36	81	132	150
	90	6	12	18	45	108	132
	96	0	6	9	27	90	108
	102	0	3	4	13	63	81
	108	0	0	0	0	27	45
	114	0	0	0	0	13	27
	120	0	0	0	0	6	13
	126	0	0	0	0	3	6
	132	0	0	0	0	0	3
	138	0	0	0	0	0	0
	144	0	0	0	0	0	0
		TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER					
		ALLOWABLE PRESSURE (PSF) +/-					
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	12
84	24	57	115	140	140	140	140
	30	46	92	138	140	140	140
	36	38	77	115	140	140	140
	42	33	66	98	131	140	140
	48	29	57	86	115	140	140
	54	26	51	77	102	128	140
	60	23	46	69	92	115	138
	66	21	42	63	84	104	125
	72	19	38	57	77	96	115
	78	18	35	53	71	88	106
	84	17	33	50	68	84	101
	90	16	31	47	64	80	96
	96	15	29	44	60	76	91
	102	14	27	41	56	71	86
	108	13	25	38	52	67	82
90	114	12	23	35	49	63	78
	120	11	21	32	45	59	74
	126	10	19	29	41	54	68
	132	9	17	26	37	49	61
	138	8	15	23	33	44	55
	144	7	13	20	29	39	49
	42	60	120	180	180	180	180
	48	54	108	162	180	180	180
	54	48	96	144	180	180	180
	60	42	84	126	180	180	180
	66	36	72	108	180	180	180
	72	30	60	90	162	180	180
	78	24	48	72	132	162	180
	84	18	36	54	108	150	180
	90	12	24	36	81	126	150
	96	6	12	18	45	108	126
	102	0	6	9	27	90	108
	108	0	3	4	13	63	90
	114	0	0	0	0	27	45
	120	0	0	0	0	13	27
	126	0	0	0	0	6	13
	132	0	0	0	0	3	6
	138	0	0	0	0	0	3
	144	0	0	0	0	0	0
		TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER					
		ALLOWABLE PRESSURE (PSF) +/-					
FRAME HEIGHT	WIDTH (W)	2	4	6	8	10	12
114	24	42	85	127	140	140	140
	30	34	68	102	135	140	140
	36	28	56	85	113	140	140
	42	24	48	73	97	121	140
	48	21	42	63	85	106	127
	54	19	38	56	75	94	113
	60	17	34	51	68	85	102
	66	16	32	48	64	80	97
	72	15	30	45	60	75	91
	78	14	28	42	56	70	87
	84	13	26	40	53	66	83
	90	12	24	38	50	62	78
	96	11	22	36	47	58	74
	102	10	20	34	44	54	70
	108	9	18	32	41	51	67
120	114	8	16	24	32	40	48
	120	7	14	21	28	35	42
	126	6	12	18	24	30	36
	132	5	10	15	20	25	30
	138	4	8	12	16	20	24
	144	3	6	9	12	15	18
	42	72	144	216	216	216	216
	48	64	128	192	216	216	216
	54	56	112	168	216	216	216
	60	48	96	144	216	216	216
	66	40	80	120	216	216	216
	72	32	64	96	192	216	216
	78	24	48	72	168	216	216
	84	16	32	48	144	192	216
	90	8	16	24	72	144	192
	96	0	8	12	36	120	168
	102	0	4	6	18	96	120
	108	0	2	3	9	48	72
	114	0	0	0	0	24	36
	120	0	0	0	0	12	18
	126	0	0	0	0	6	9
	132	0	0	0	0	3	4
	138	0	0	0	0	0	0
	144	0	0	0	0	0	0
		TYPE A, B, C NUMBER OF ANCHORS AT THE CLUSTER					

Series 7000 - SG-SS (LMI) Window Wall Installation Manual

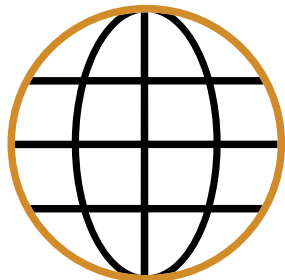


TYPICAL ANCHOR TYPES:

TYPE A - $\frac{5}{16}$ " DEWALT ULTRACON OR EQUAL, 1 $\frac{1}{2}$ " MIN ENGAGEMENT INTO SOUTHERN YELLOW PINE #2 WOOD (SG=0.55 MIN.) WITH 1-1/4" MIN EDGE DISTANCE

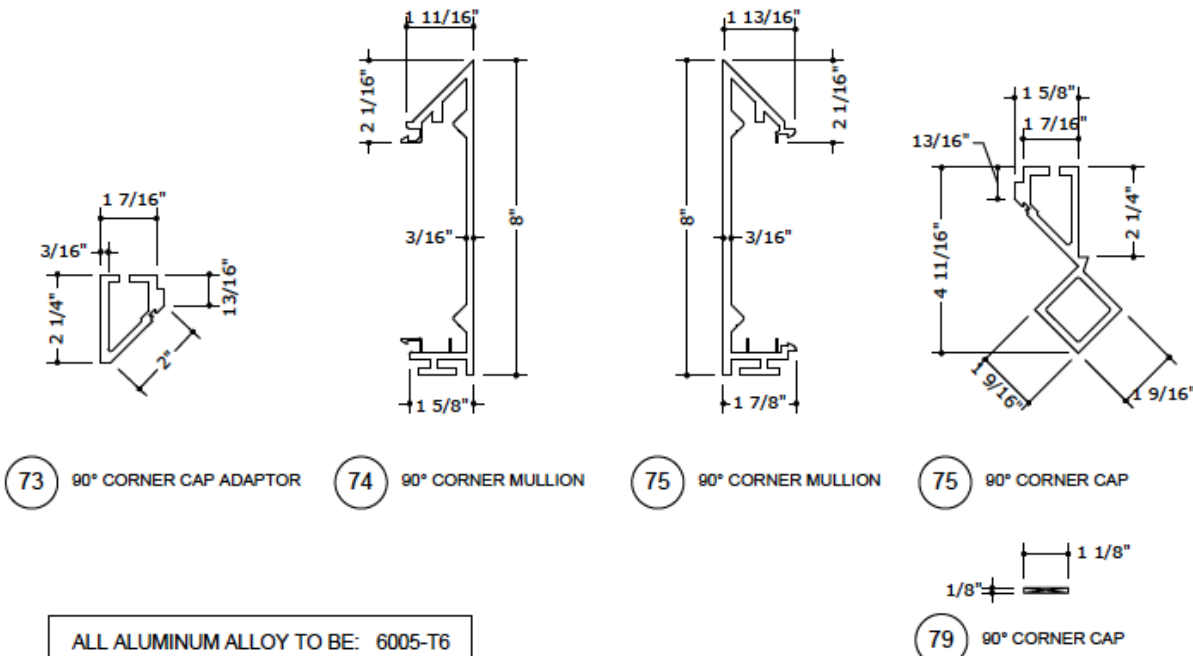
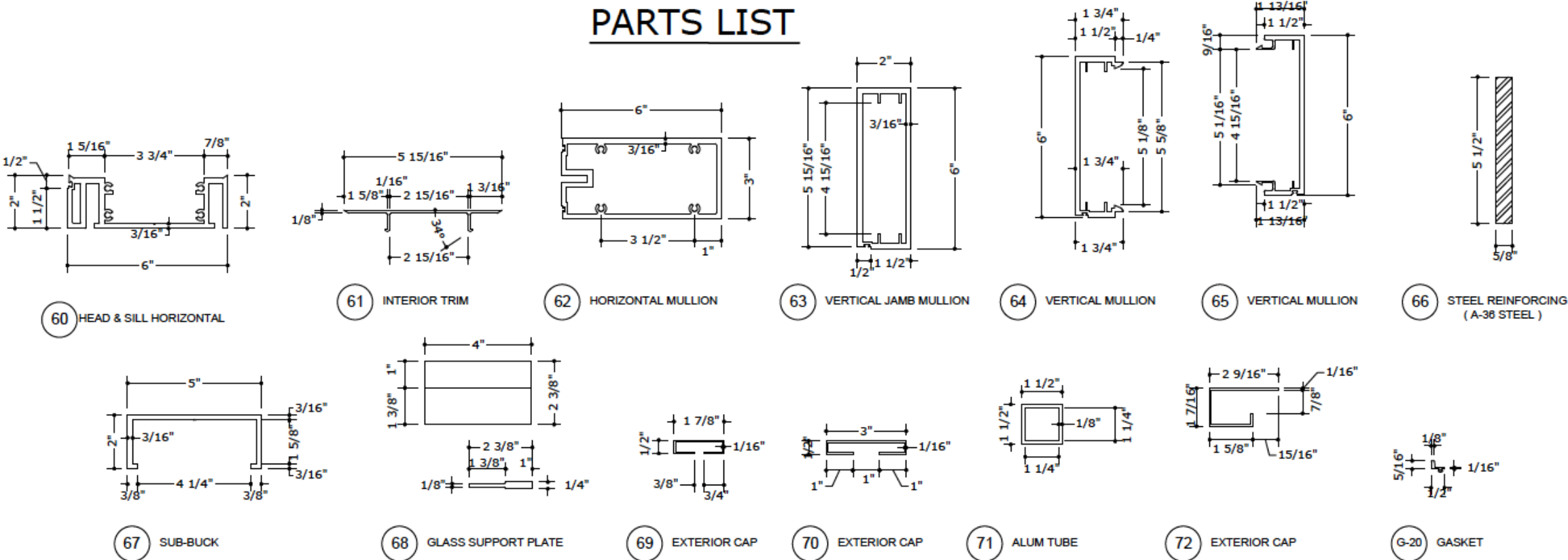
TYPE B - $\frac{5}{16}$ " DEWALT ULTRACON OR EQUAL, 2" EFFECTIVE EMBEDMENT INTO 3000 PSI CONCRETE MIN. WITH 2 $\frac{1}{2}$ " EDGE DISTANCE

TYPE C - $\frac{5}{16}$ " -24 DEWALT DRILLFLEX OR EQUAL, ENGAGING 5 PITCHES PASSED THE THREAD PLANE INTO $\frac{1}{8}$ " ALUMINUM (6063-T5 MIN) OR $\frac{1}{8}$ " STEEL (A36 MIN), $\frac{3}{4}$ " MIN EDGE DISTANCE

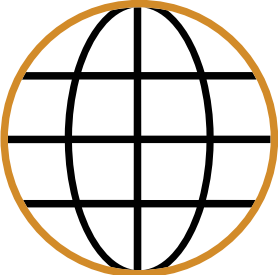


Series 7000 - SG-SS (LMI) Window Wall Installation Manual

PARTS LIST



PARTS LIST			
	PART	MATERIAL	PART No.
1	HEAD / SILL MEMBER	ALU 6005-T6	60
2	INTERIOR TRIM COVER	ALU 6005-T6	61
3	HORINZONTAL INTERMEDIATE MULLION	ALU 6005-T6	62
4	JAMB MULLION	ALU 6005-T6	63
5	VERTICAL MULLION	ALU 6005-T6	64
6	VERTICAL MULLION	ALU 6005-T6	65
7	STEEL REINFORCEMENT	A-36 MIN.	66
8	SUB-BUCK	ALU 6005-T6	67
9	GLASS SUPPORT PLATE	ALU 6005-T6	68
10	EXTERIOR CAP	ALU 6005-T6	69
11	EXTERIOR CAP	ALU 6005-T6	70
12	ALUMINUM TUBE FILLER	ALU 6005-T6	71
13	EXTERIOR CAP	ALU 6005-T6	72
14	90° CORNER CAP ADAPTOR	ALU 6005-T6	73
15	90° CORNER MULLION	ALU 6005-T6	74
16	90° CORNER MULLION	ALU 6005-T6	75
17	90° CORNER CAP	ALU 6005-T6	76
18	¼" - 14 x 1 ½" DRILL FLEX STRUCTURAL SELF DRILLING SCREWS ⅜" FLEX WASHER HEAD		77
19	¼" - 14 x ¾" DRILL FLEX STRUCTURAL SELF DRILLING SCREWS ⅜" FLEX WASHER HEAD		78
20	EPDM GASKET - DUROMETER -	RUBBER	G-20
21	SETTING BLOCK (1/8" x 1 1/8") AT 1/4 POINTS	EPDM	79



FRAME ASSEMBLY DIAGRAM

