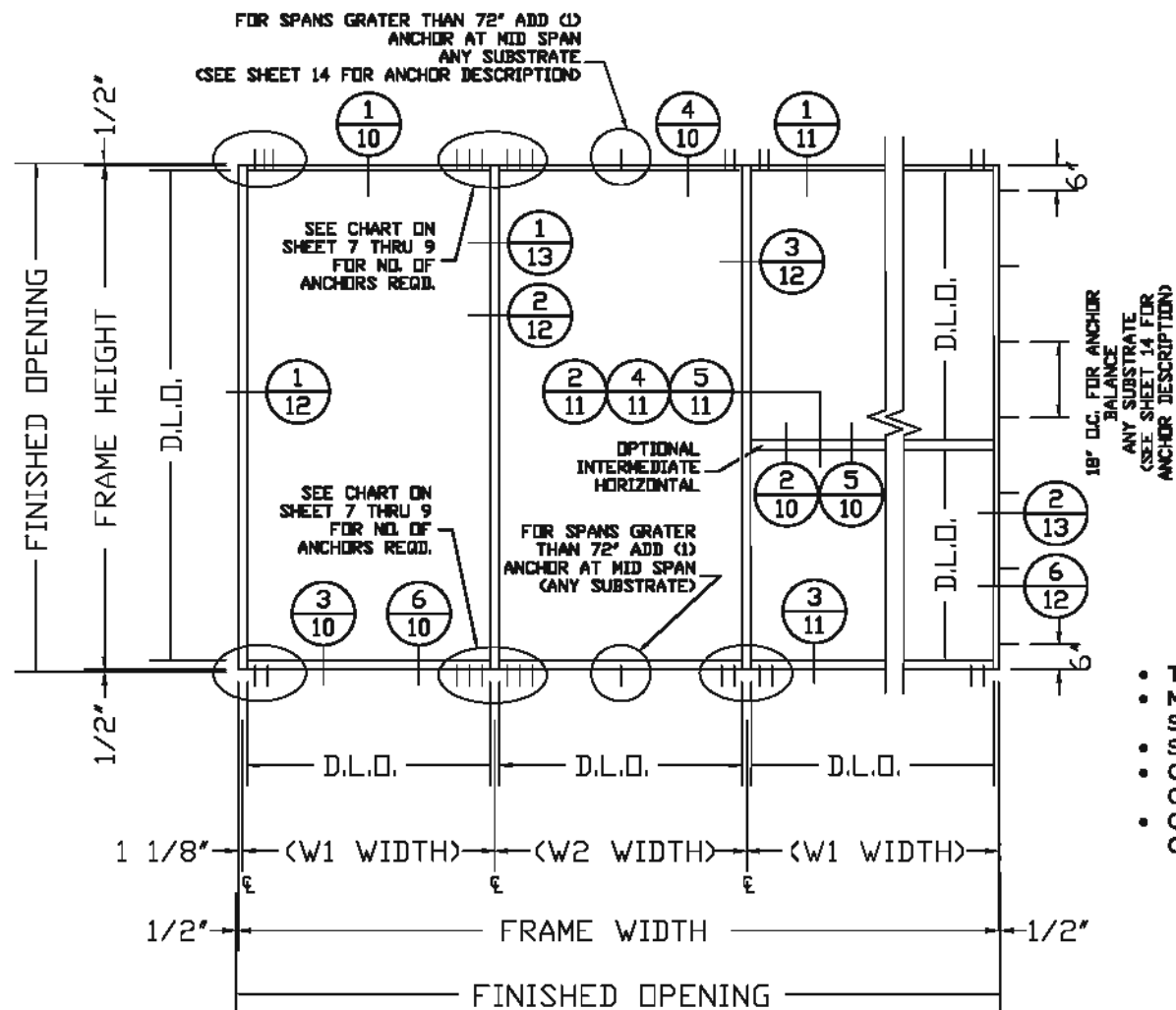
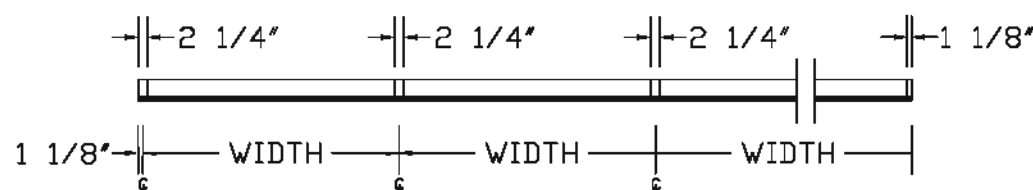


PRO-TECH 6SG STRUCTURAL GLAZED SYSTEM NON IMPACT SYSTEM



TYPICAL ELEVATION



PLAN VIEW

- THIS SYSTEM IS NOT RATED FOR IMPACT.
- MIAMI-DADE COUNTY APPROVED IMPACT RESISTANT SHUTTERS ARE REQUIRED.
- SEE SHEETS 2 THRU 3 FOR DESIGN LOAD RATING.
- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- QUALIFIES CONFIGURATION FROM (1) PANEL, UP TO CONTINUOUS RUNS.

AVG. MULL SPACING

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

MONOLITHIC GLASS &
INSULATED GLASS
NON-IMPACT

DESIGN NOTES:

POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING CODE. SITE-SPECIFIC PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7-16 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020) SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.

GENERAL NOTES:

- THE SYSTEM & GLASS TYPES DESCRIBED HEREIN HAVE BEEN DESIGNED AND TESTED IN ACCORDANCE WITH FLORIDA BUILDING CODE SEVENTH EDITION (2020) PER THE FOLLOWING STANDARDS:
A. ASTM E330-02, E331-00, AND E283-04
B. AAMA 501
- DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- 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.
- CURTAINWALL FRAMING: PRO-TECH 6SG 2 1/4" X 6" STRUCTURAL GLAZED SYSTEM WITH 1/4" TEMPERED MONOLITHIC AND 1" TEMPERED INSULATED GLAZING AS MANUFACTURED BY CRAWFORD TRACY.
- NO 33-1/3% INCREASE IN ALLOWABLE STRESS HAS BEEN USED IN THE DESIGN OF THIS SYSTEM. WIND LOAD DURATION FACTOR $C_d=1.6$ HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- STRUCTURAL SILICONE TO BE DOW-CORNING 983. NOTE: USE DOW-CORNING 790 FOR BUTT JOINTS. BUTT-JOINTS AND WEATHERSEALS TO BE DOW-CORNING 790 UNLESS SPECIFIED OTHERWISE BY DOW-CORNING.
- 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.
- 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.
- ALL CONCRETE ANCHORS SPECIFIED HEREIN REFER TO DEWALT ULTRACONS CARBON STEEL, FASTENED TO 3" MIN. THICK 3,000 PSI MIN. NON-CRACKED CONCRETE (BY OTHERS). INSTALL ALL CONCRETE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.
- ALL FASTENERS TO BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION 1.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.
- ALL EXTRUSIONS SHALL BE 6005-T5 MIN ALLOY AND TEMPER U.N.O., AS MANUFACTURED BY CRAWFORD TRACY CORPORATION.
- THE CONTRACTOR IS RESPONSIBLE TO ISOLATE OR PROTECT ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- 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.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
- ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.
- THE SYSTEM DETAILED HEREIN HAS BEEN TESTED PER ASTM TEST PROTOCOLS AS REFERENCED IN TEST REPORT #ATLSF 0819.01-11 BY AMERICAN TEST LAB OF SOUTH FLORIDA (ATL). PRODUCT SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF ONE LABEL PER SYSTEM AS SPECIFIED IN THE FLORIDA BUILDING CODE AND AT A MINIMUM CONTAINING THE FOLLOWING:
CRAWFORD TRACY CORPORATION
DEERFIELD BEACH, FLORIDA
ASTM E331-00, E330-02
APPROVED BY FLORIDA BUILDING COMMISSION
FLORIDA PRODUCT APPROVAL NUMBER

VISIT [ECALC.IO/2029763](https://ecalcalc.io/2029763)

FOR HELPFUL RESOURCES, SITE SPECIFIC JOB ORDERING & MORE INFORMATION ABOUT THIS PRODUCT & RELATED SERVICES



FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL#15274.1

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DATE	CHKD	DATE
2020 PRC UPDATE	08/07/20	JPC	AJP
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OMISSIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			

COPYRIGHT ENGINEERING EXPRESS®

20-29763

SCALE: NTS UNLESS NOTED

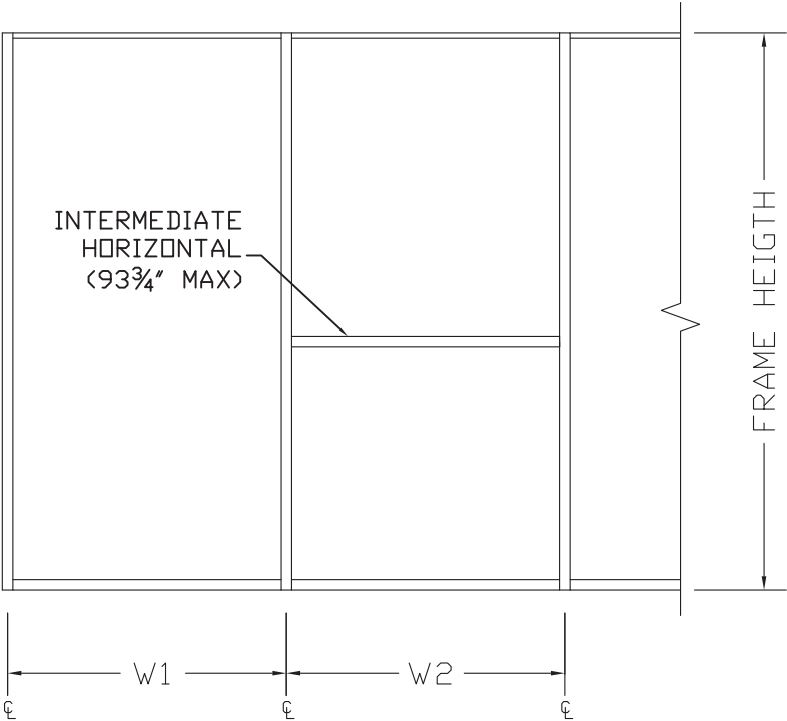
1 OF 16

C:\Users\joem\Engineering Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01\Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg 08/31/2020 - 9:50am joem

MULLION LOAD CAPACITY CHART

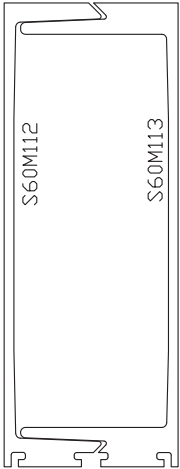
MULLION LOADING CAPACITY (PSF) - UNREINFORCED										
NOMINAL DIMS				NOMINAL DIMS				NOMINAL DIMS		
WIDTH	HEIGHT	P.S.F		WIDTH	HEIGHT	P.S.F		WIDTH	HEIGHT	P.S.F
30"	60"	172		30"	108"	136		30"	156"	80
36"		153		36"		123		36"		66
42"		140		42"		114		42"		57
48"		123		48"		103		48"		50
54"		109		54"		92		54"		44
60"		98		60"		80		60"		40
66"		83		66"		56		66"		36
72"		63		72"		41		72"		33
78"		49		78"		31		78"		28
84"		39		84"		24		84"		20
90"		31		90"	19		90"	16		
96"		26		96"	-		96"	-		
30"	72"	163		30"	120"	131		30"	162"	71
36"		143		36"		112		36"		59
42"		130		42"		96		42"		51
48"		121		48"		84		48"		44
54"		109		54"		75		54"		39
60"		95		60"		67		60"		35
66"		72		66"		55		66"		32
72"		54		72"		39		72"		29
78"		42		78"		29		78"		27
84"		33		84"		23		84"		20
90"		26		90"	18		90"	16		
96"		22		96"	-		96"	-		
30"	84"	153		30"	132"	111		30"	168"	64
36"		137		36"		93		36"		53
42"		123		42"		79		42"		45
48"		113		48"		69		48"		40
54"		103		54"		62		54"		35
60"		87		60"		55		60"		32
66"		65		66"		50		66"		29
72"		48		72"		38		72"		26
78"		37		78"		28		78"		24
84"		29		84"		22		84"		20
90"		23		90"	17		90"	-		
96"		19		96"	-		96"	-		
30"	96"	143		30"	144"	93				
36"		131		36"		78				
42"		118		42"		67				
48"		107		48"		58				
54"		99		54"		52				
60"		83		60"		46				
66"		60		66"		42				
72"		44		72"		38				
78"		34		78"		28				
84"		26		84"		21				
90"		21		90"	16					
96"		17		96"	-					

PRESSURES ABOVE 107 PSF ARE LIMITED TO A MAX POSITIVE PRESSURE OF 107 PSF



WIDTH (W)
AT FRAME JAMB = $\frac{W1}{2}$

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



UNREINFORCED

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885

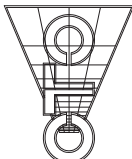


FL#15274.1

**ENGINEERING**
EXPRESS®

CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888



PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20
			-
			-
			-
			-
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			
COPYRIGHT ENGINEERING EXPRESS®			

20-29763

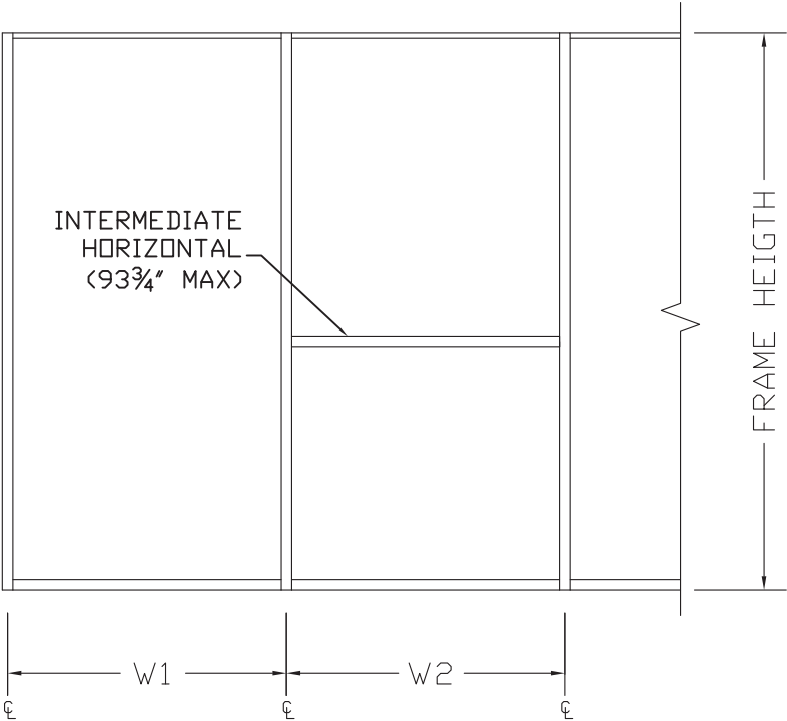
SCALE: NTS UNLESS NOTED

C:\Users\joem\Engineering Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01\Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg 08/31/2020 - 9:50am joem

MULLION LOAD CAPACITY CHART

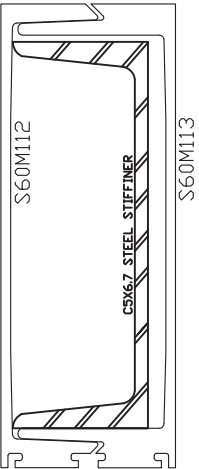
MULLION LOADING CAPACITY (PSF) - REINFORCED								
NOMINAL DIMS						NOMINAL DIMS		
WIDTH	HEIGHT	P.S.F	WIDTH	HEIGHT	P.S.F	WIDTH	HEIGHT	P.S.F
30"	60"	172	30"	108"	136	30"	156"	121
36"		153	36"		123	36"		106
42"		140	42"		114	42"		96
48"		123	48"		103	48"		88
54"		109	54"		95	54"		83
60"		98	60"		80	60"		80
66"		83	66"		56	66"		54
72"		63	72"		41	72"		38
78"		49	78"		31	78"		28
84"		39	84"		24	84"		20
90"	72"	31	90"	120"	19	90"	162"	16
96"		26	96"		-	96"		-
30"		163	30"		131	30"		120
36"		143	36"		117	36"		105
42"		130	42"		108	42"		94
48"		121	48"		100	48"		87
54"		109	54"		92	54"		79
60"		95	60"		80	60"		71
66"		72	66"		55	66"		54
72"		54	72"		39	72"		38
78"	84"	42	78"	132"	29	78"	168"	28
84"		33	84"		23	84"		20
90"		26	90"		18	90"		16
96"		22	96"		-	96"		-
30"		153	30"		127	30"		119
36"		137	36"		112	36"		104
42"		123	42"		103	42"		91
48"		113	48"		96	48"		80
54"		103	54"		90	54"		71
60"		87	60"		80	60"		64
66"	96"	65	66"	144"	54	66"		54
72"		48	72"		38	72"		38
78"		37	78"		28	78"		28
84"		29	84"		22	84"		20
90"		23	90"		17	90"		-
96"		19	96"		-	96"		-
30"		143	30"		124	30"		
36"		131	36"		109	36"		
42"		118	42"		99	42"		
48"		107	48"		92	48"		
54"		99	54"		87	54"		
60"		83	60"		80	60"		
66"		60	66"		54	66"		
72"		44	72"		38	72"		
78"		34	78"		28	78"		
84"		26	84"		21	84"		
90"		21	90"		16	90"		
96"		-	96"		-	96"		

PRESSURES ABOVE 107 PSF ARE LIMITED TO A MAX POSITIVE PRESSURE OF 107 PSF



WIDTH (W)
AT FRAME JAMB = $\frac{W1}{2}$

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



STEEL REINF.
L = MULLION LENGTH - 4"

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL#15274.1

ENGINEERINGEXPRESS®

CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			

COPYRIGHT ENGINEERING EXPRESS®

20-29763

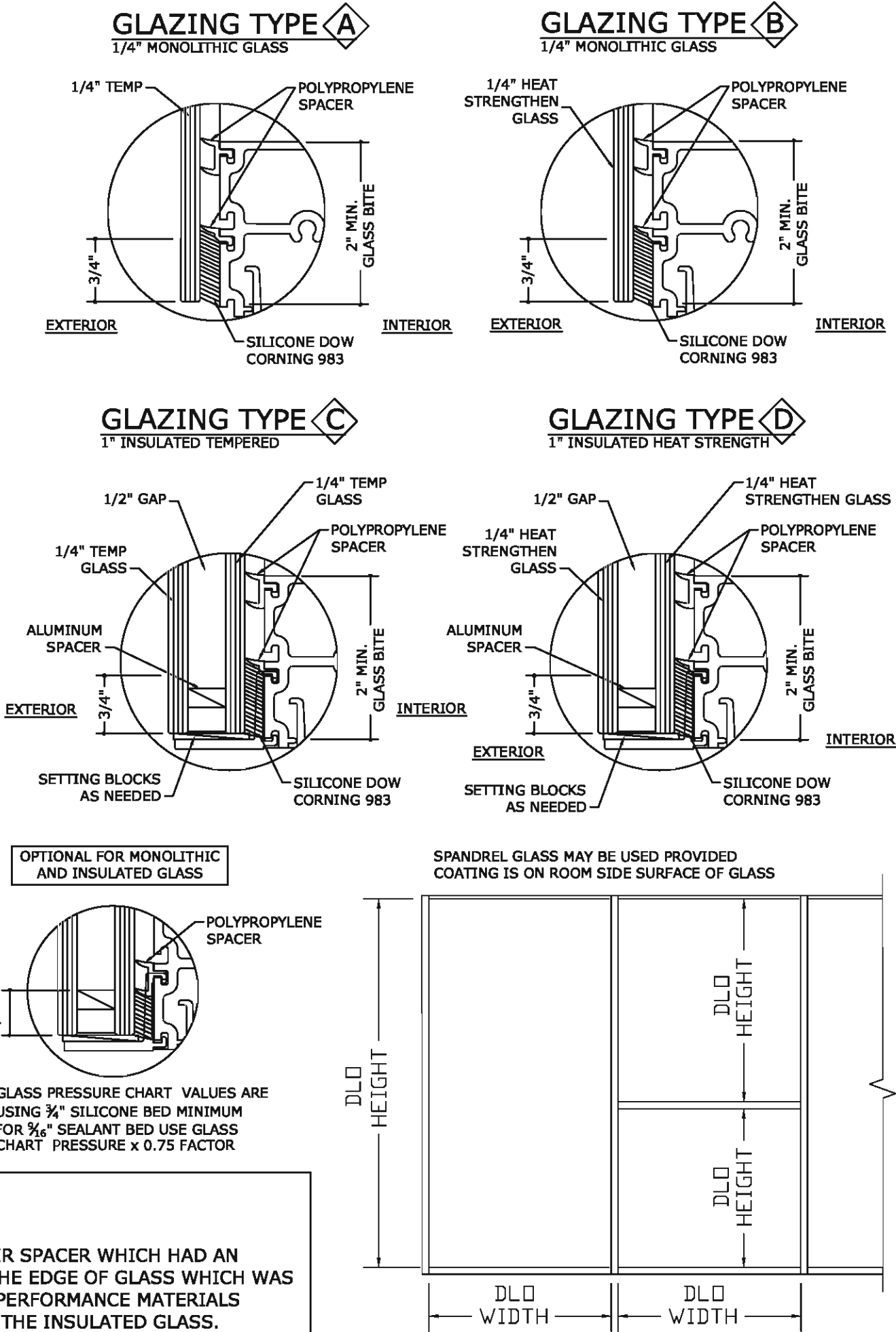
SCALE: NTS UNLESS NOTED

GLASS LOAD CAPACITY CHART

GLASS LOADING CAPACITY - PSF									
NOMINAL DIMS		GLASS TYPE A		GLASS TYPE B		GLASS TYPE C		GLASS TYPE D	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30"	60	80	144	80	126	80	144	80	144
36"		80	120	80	114	80	120	80	120
42"		80	102	80	102	80	102	80	102
48"		80	90	80	90	80	90	80	90
54"		80	80	80	80	80	80	80	80
60"		72	72	72	72	72	72	72	72
66"		72	72	72	72	72	72	72	72
72"		72	72	72	72	72	72	72	72
78"		72	72	71.7	71.7	72	72	72	72
84"		72	72	66.4	66.4	72	72	72	72
90"	72	72	72	62	62	72	72	72	72
96"		72	72	57.7	57.7	72	72	72	72
30"		80	144	80	107	80	144	80	144
36"		80	120	80	91.7	80	120	80	120
42"		80	102	80	87.4	80	102	80	102
48"		80	90	80	84.8	80	90	80	90
54"		80	80	80	80	80	80	80	80
60"		72	72	72	72	72	72	72	72
66"		65	65	65	65	65	65	65	65
72"		60	60	60	60	60	60	60	60
78"	84	60	60	60	60	60	60	60	60
84"		60	60	58.4	58.4	60	60	60	60
90"		60	60	55.1	55.1	60	60	60	60
96"		60	60	51.7	51.7	60	60	60	60
30"		80	144	80	97.3	80	144	80	144
36"		80	120	77.9	77.9	80	120	80	120
42"		80	102	72.8	72.8	80	102	80	102
48"		80	90	71.6	71.6	80	90	80	90
54"		80	80	69.8	69.8	80	80	80	80
60"		72	72	66.4	66.4	72	72	72	72
66"	96	65	65	62.3	62.3	65	65	65	65
72"		60	60	58.4	58.4	60	60	60	60
78"		55	55	54.5	54.5	55	55	55	55
84"		51	51	51	51	51	51	51	51
90"		51	51	48.4	48.4	51	51	51	51
96"		51	51	45.8	45.8	51	51	51	51

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC GUST)

THE PERIMETER SEAL SYSTEM FOR THE INSULATED GLASS WAS COMPRISED OF THE AIR SPACER WHICH HAD AN EMBEDMENT OF 8.250 mm (0.325") FROM THE INNERMOST EDGE OF THE SPACER TO THE EDGE OF GLASS WHICH WAS SEALED WITH IGS3743 INSULATING GLASS SEALANT MANUFACTURED BY MOMENTIVE PERFORMANCE MATERIALS LEAVING AN EXTERIOR SIGHTLINE OF 8.250 mm (0.325") AROUND THE PERIMETER OF THE INSULATED GLASS.



FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL#15274.1

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FRC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER CHANGES TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			

20-29763

SCALE: NTS UNLESS NOTED

GLASS LOAD CAPACITY CHART

GLASS LOADING CAPACITY - PSF									
NOMINAL DIMS		GLASS TYPE A		GLASS TYPE B		GLASS TYPE C		GLASS TYPE D	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30"	96	80	144	80	90.8	80	144	80	144
36"		80	120	69.1	69.1	80	120	80	120
42"		80	102	60.1	60.1	80	102	80	102
48"		80	90	59.3	59.3	80	90	80	90
54"		80	80	59.2	59.2	80	80	80	80
60"		72	72	57.7	57.7	72	72	72	72
66"		65	65	55.2	55.2	65	65	65	65
72"		60	60	51.7	51.7	60	60	60	60
78"		55	55	48.8	48.8	55	55	55	55
84"		51	51	45.8	45.8	51	51	51	51
90"	108	48	48	42.8	42.8	48	48	48	48
96"		45	45	40.6	40.6	45	45	45	45
30"		80	144	80	86.1	80	144	80	144
36"		80	120	62.8	62.8	80	120	80	111
42"		80	102	52.5	52.5	80	102	80	93.4
48"		80	90	50.3	50.3	80	90	80	89.8
54"		80	80	50.6	50.6	80	80	80	80
60"		72	72	50.5	50.5	72	72	72	72
66"		65	65	49	49	65	65	65	65
72"		60	60	47	47	60	60	60	60
78"	120	55	55	43.9	43.9	55	55	55	55
84"		51	51	41.1	41.1	51	51	51	51
90"		48	48	39	39	48	48	48	48
96"		45	45	36.8	36.8	45	45	45	45
30"		80	144	80	82.8	80	144	80	144
36"		80	119	59.5	59.5	80	120	80	105
42"		80	96.3	48.1	48.1	80	102	80	85.9
48"		80	86.8	43.4	43.4	80	90	77.6	77.6
54"		80	80	43.6	43.6	80	80	78.1	78.1
60"		72	72	44.3	44.3	72	72	72	72
66"	120	65	65	43.7	43.7	65	65	65	65
72"		60	60	42	42	60	60	60	60
78"		55	55	40	40	55	55	55	55
84"		51	51	37.9	37.9	51	51	51	51
90"		48	48	35.6	35.6	48	48	48	48
96"		45	45	33.5	33.5	45	45	45	45

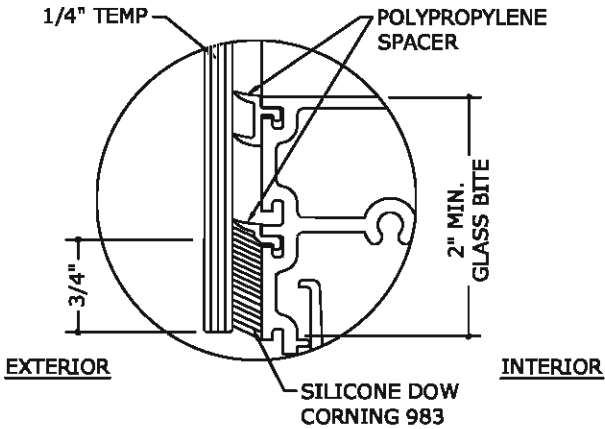
NOTE:

GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC GUST)

THE PERIMETER SEAL SYSTEM FOR THE INSULATED GLASS WAS COMPRISED OF THE AIR SPACER WHICH HAD AN EMBEDMENT OF 8.250 mm (0.325") FROM THE INNERMOST EDGE OF THE SPACER TO THE EDGE OF GLASS WHICH WAS SEALED WITH IGS3743 INSULATING GLASS SEALANT MANUFACTURED BY MOMENTIVE PERFORMANCE MATERIALS LEAVING AN EXTERIOR SIGHTLINE OF 8.250 mm (0.325") AROUND THE PERIMETER OF THE INSULATED GLASS.

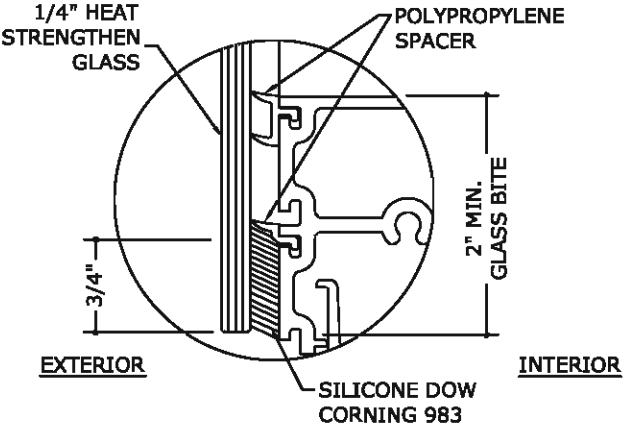
GLAZING TYPE A

1/4" MONOLITHIC GLASS



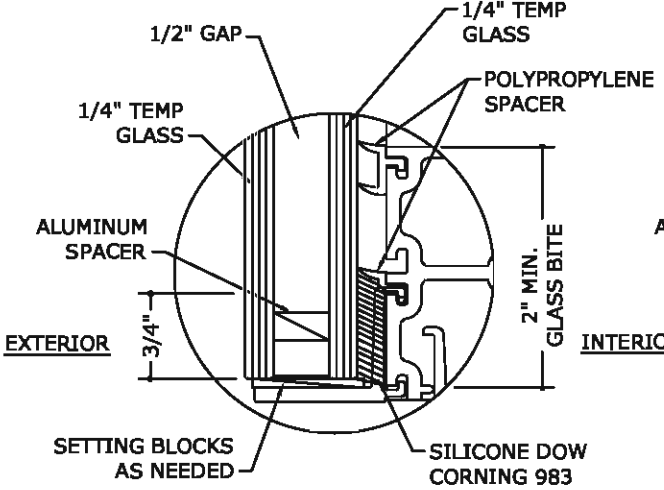
GLAZING TYPE B

1/4" MONOLITHIC GLASS



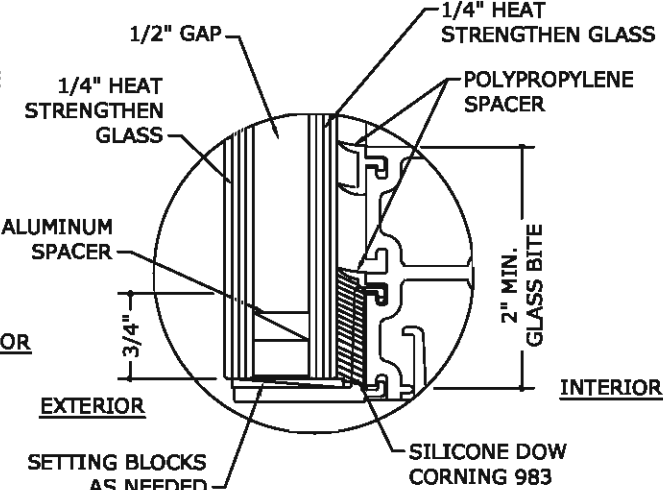
GLAZING TYPE C

1" INSULATED TEMPERED

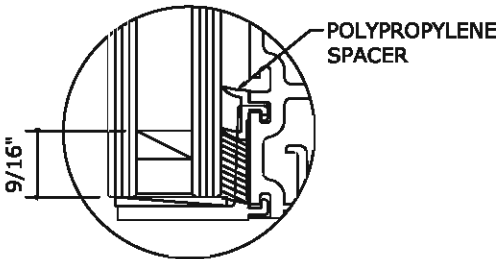


GLAZING TYPE D

1" INSULATED HEAT STRENGTH

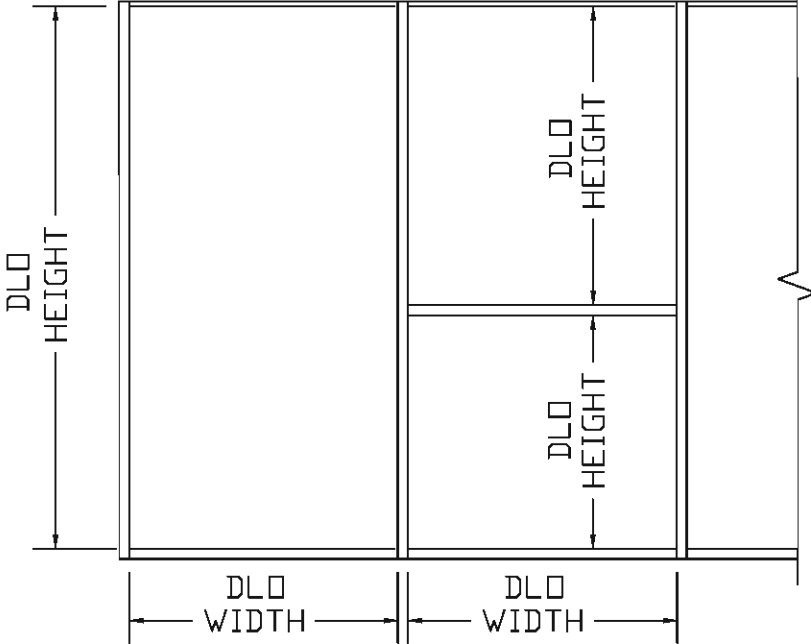


OPTIONAL FOR MONOLITHIC AND INSULATED GLASS



- GLASS PRESSURE CHART VALUES ARE USING 3/4" SILICONE BED MINIMUM
- FOR 3/16" SEALANT BED USE GLASS CHART PRESSURE x 0.75 FACTOR

SPANDREL GLASS MAY BE USED PROVIDED COATING IS ON ROOM SIDE SURFACE OF GLASS



FRANK BENNARDI, P.E.
PE# 0046549 CA# 9685



FL#15274.1

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888
PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FRC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER CHANGES TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			

COPYRIGHT ENGINEERING EXPRESS®

20-29763

SCALE: NTS UNLESS NOTED

5 OF 16

GLASS LOAD CAPACITY CHART

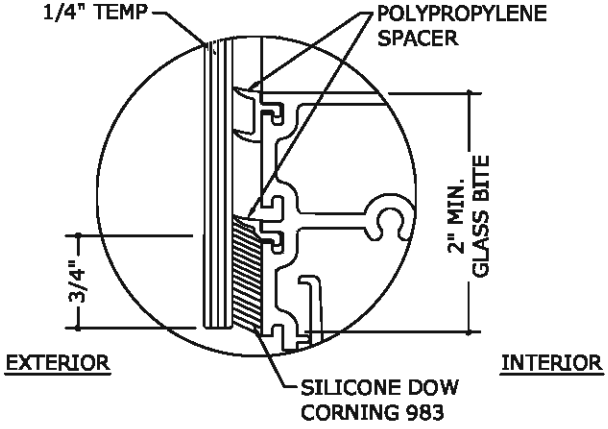
GLASS LOADING CAPACITY - PSF									
NOMINAL DIMS		GLASS TYPE A		GLASS TYPE B		GLASS TYPE C		GLASS TYPE D	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30"	132	80	144	80	80.9	80	144	80	141
36"		80	114	57	57	80	120	80	101
42"		80	89.3	44.7	44.7	80	102	79.7	79.7
48"		78.4	78.4	39.2	39.2	80	90	70.1	70.1
54"		76.8	76.8	38.4	38.4	80	80	68.8	68.8
60"		72	72	38.9	38.9	72	72	69.8	69.8
66"		65	65	39.2	39.2	65	65	65	65
72"		60	60	38.3	38.3	60	60	60	60
78"		55	55	36.8	36.8	55	55	55	55
84"		51	51	34.7	34.7	51	51	51	51
90"	144	48	48	32.5	32.5	48	48	48	48
96"		45	45	30.6	30.6	45	45	45	45
30"		80	144	79.2	79.2	80	144	80	139
36"		80	110	55	55	80	120	80	97.5
42"		80	83.9	41.9	41.9	80	102	74.8	74.8
48"		72.2	72.2	36.1	36.1	80	90	64.6	64.6
54"		67.8	67.8	33.9	33.9	80	80	60.8	60.8
60"		68.5	68.5	34.3	34.3	72	72	61.5	61.5
66"		65	65	34.9	34.9	65	65	62.6	62.6
72"		60	60	34.9	34.9	60	60	60	60
78"	156	55	55	33.6	33.6	55	55	55	55
84"		51	51	31.8	31.8	51	51	51	51
90"		48	48	30.2	30.2	48	48	48	48
96"		45	45	28.9	28.9	45	45	45	45
30"		80	144	77.8	77.8	80	144	80	137
36"		80	107	53.5	53.5	80	120	80	94.9
42"		80	81	40.5	40.5	80	102	72.2	72.2
48"		66.9	66.9	33.4	33.4	80	90	59.8	59.8
54"		61.1	61.1	30.5	30.5	80	80	54.7	54.7
60"		60.6	60.6	30.3	30.3	72	72	54.4	72
66"	168	61.5	61.5	30.8	30.8	65	65	55.2	55.2
72"		60	60	31	31	60	60	55.7	55.7
78"		55	55	30.9	30.9	55	55	55	55
84"		51	51	29.7	29.7	51	51	51	51
90"		48	48	28.5	28.5	48	48	48	48
96"		45	45	27.1	27.1	45	45	45	45
30"		80	104	52.2	52.2	80	144	80	92.7
36"		78.6	78.6	39.3	39.3	80	120	70.2	70.2
42"		62.7	62.7	31.4	31.4	80	102	56.2	56.2
48"		57.3	57.3	28.6	28.6	80	90	51.3	51.3
54"	180	55.8	55.8	27.9	27.9	80	80	50.1	50.1
60"		56.5	56.5	28.2	28.2	72	72	50.7	50.7
66"		57.1	57.1	28.6	28.6	65	65	51.3	51.3
72"		56.9	56.9	28.5	28.5	60	60	51.1	51.1
78"		55	55	28	28	55	55	50.3	50.3
84"		51	51	26.7	26.7	51	51	48	48
90"		48	48	25.5	25.5	48	48	45.7	45.7
96"		45	45	24.3	24.3	45	45	42.6	42.6
30"		80	104	52.2	52.2	80	144	80	92.7
36"		78.6	78.6	39.3	39.3	80	120	70.2	70.2

- GLASS PRESSURE CHART VALUES ARE USING 3/4" SILICONE BED MINIMUM
- FOR 5/16" SEALANT BED USE GLASS CHART PRESSURE x 0.75 FACTOR

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300-04 (3 SEC GUST)

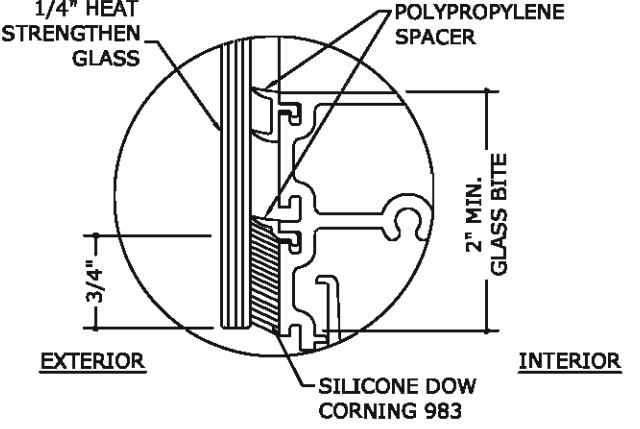
GLAZING TYPE A

1/4" MONOLITHIC GLASS



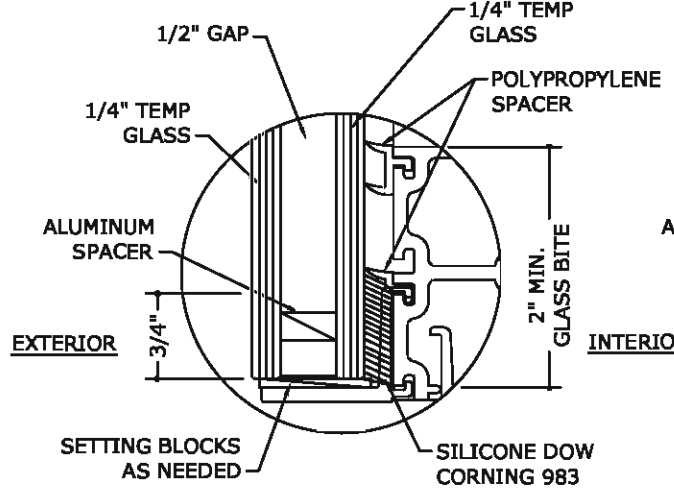
GLAZING TYPE B

1/4" MONOLITHIC GLASS



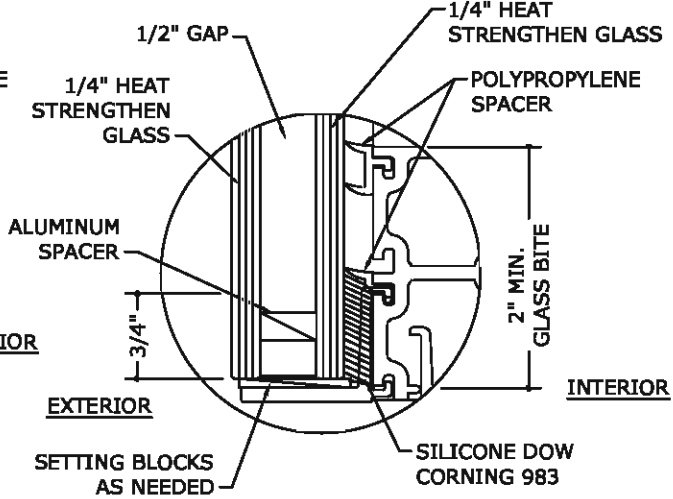
GLAZING TYPE C

1" INSULATED TEMPERED

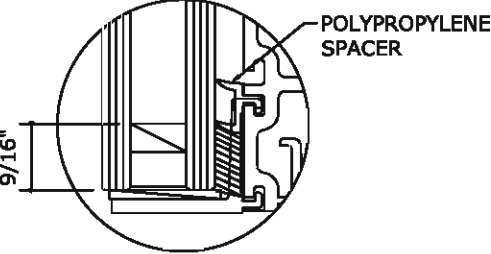


GLAZING TYPE D

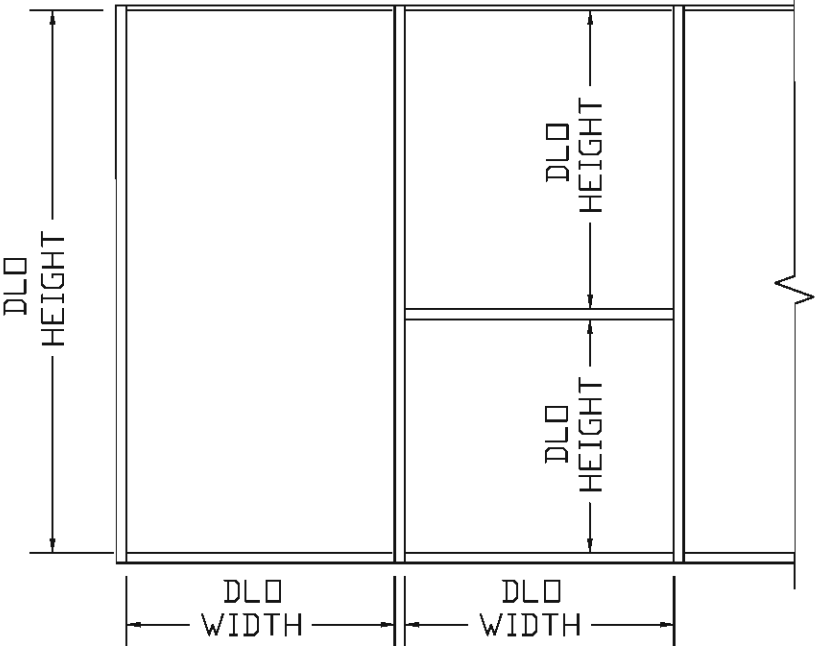
1" INSULATED HEAT STRENGTH



OPTIONAL FOR MONOLITHIC AND INSULATED GLASS



SPANDREL GLASS MAY BE USED PROVIDED COATING IS ON ROOM SIDE SURFACE OF GLASS



FRANK BENNARDI, P.E.
PE# 0046549 CA# 9885



FL#15274.1

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 REC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR IN PART WITHOUT THE WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OMISSIONS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			

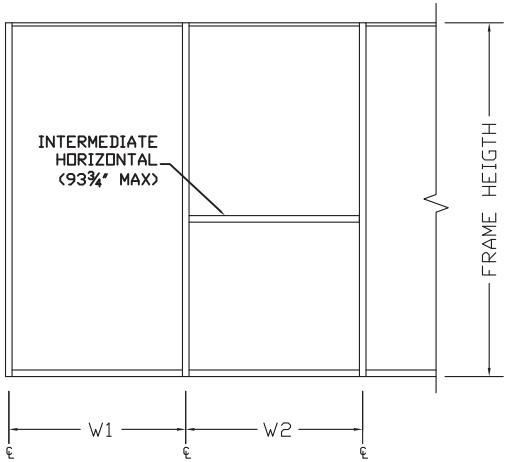
20-29763

SCALE: NTS UNLESS NOTED

C:\Users\joem\Engineering Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01\Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg

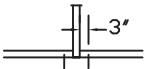
ANCHOR LOADING CAPACITY - PSF																							
NOMINAL DIMS		TYPE 'C' (CONCRETE)				TYPE 'G' (G.FILLED BLK)					TYPE 'W' (WOOD)					TYPE 'M' (STEEL)			TYPE 'M' (ALUMINUM)				
WIDTH	HEIGHT	C1	C2	C3	C4	G1	G2	G3	G4	G5	W1	W2	W3	W4	W5	M1	M2	M3	M1	M2	M3	M4	
30"	60"	125	172			60	120	172			56	113	169	172		108	172		126	172			
36"		104	153			50	100	150	153		47	94	141	153		90	153		105	153			
42"		89	140			43	85	128	140		40	80	121	140		77	140		90	140			
48"		78	123			37	75	112	123		35	70	106	123		68	123		79	123			
54"		69	109			33	66	100	109		31	63	94	109		60	109		70	109			
60"		62	98			30	60	90	98		28	56	84	98		54	98		63	98			
66"		57	83			27	54	82	83		26	51	77	83		49	83		57	83			
72"		52	63			25	50	63			23	47	63			45	63		53	63			
78"		48	49			23	46	49			22	43	49			42	49		49	49			
84"		39				21	39				20	39				39	39		39				
90"	31				20	31				19	31				31			31					
96"	26				19	26				18	26				26			26					
30"	72"	104	163			50	100	150	163		47	94	141	163		90	163		105	163			
36"		87	143			42	83	125	143		39	78	117	143		75	143		88	143			
42"		74	130			36	71	107	130		34	67	101	130		64	129	130	75	130			
48"		65	121			31	62	94	121		29	59	88	117	121	56	113	121	66	121			
54"		58	109			28	55	83	109		26	52	78	104	109	50	100	109	59	109			
60"		52	95			25	50	75	95		23	47	70	94	95	45	90	95	53	95			
66"		47	72			23	45	68	72		21	43	64	72		41	72		48	72			
72"		43	54			21	42	54			20	39	54			38	54		44	54			
78"		40	42			19	38	42			18	36	42			35	42		41	42			
84"		33				18	33				17	33				32	33		33				
90"	26				17	26				16	26				26			26					
96"	22				16	22				-	22				22			22					
30"	84"	89	153			43	85	128	153		40	80	121	153		77	153		90	153			
36"		74	137			36	71	107	137		34	67	101	134	137	64	129	137	75	137			
42"		64	123			31	61	92	122	123	29	57	86	115	123	55	110	123	64	123			
48"		56	111	113		27	53	80	107	113	25	50	75	101	113	48	96	113	56	113	113		
54"		50	99	103		24	47	71	95	103	22	45	67	89	103	43	86	103	50	100	103		
60"		45	87			21	43	64	85	87	20	40	60	80	87	39	77	87	45	87			
66"		41	65			19	39	58	65		18	37	55	65		35	65		41	65			
72"		37	48			18	36	48			17	34	48			32	48		38	48			
78"		34	37			16	33	37			-	31	37			30	37		35	37			
84"		29				-	29				-	29	29			28	29		29				
90"	23				-	23				-	23				23			23					
96"	19				-	19				-	19				19			19					
30"	96"	78	143			37	75	112	143		35	70	106	141	143	68	135	143	79	143			
36"		65	130	131		31	62	94	125	131	29	59	88	117	131	56	113	131	66	131			
42"		56	111	118		27	53	80	107	118	25	50	75	101	118	48	96	118	56	113	118		
48"		49	98	107		23	47	70	94	107	22	44	66	88	107	42	84	107	49	99	107		
54"		43	87	99		21	42	62	83	99	20	39	59	78	98	38	75	99	44	88	99		
60"		39	78	83		19	37	56	75	83	18	35	53	70	83	34	68	83	40	79	83		
66"		35	60			17	34	51	60		16	32	48	60		31	60		36	60			
72"		33	44			16	31	44			-	29	44			28	44		33	44			
78"		30	34			-	29	34			-	27	34			26	34		30	34			
84"		26				-	26				-	25	26			24	26		26				
90"	21				-	21				-	21				21			21					
96"	17				-	17				-	17				17			17					
30"	108"	69	136			33	66	100	133	136	31	63	94	125	136	60	120	136	70	136			
36"		58	116	123		28	55	83	111	123	26	52	78	104	123	50	100	123	59	117	123		
42"		50	99	114		24	47	71	95	114	22	45	67	89	112	43	86	114	50	100	114		
48"		43	87	103		21	42	62	83	103	20	39	59	78	98	38	75	103	44	88	103		
54"		39	77	95		18	37	55	74	92	17	35	52	70	87	33	67	95	39	78	95		
60"		35	69	80		17	33	50	66	80	16	31	47	63	78	30	60	80	35	70	80		
66"		32	56			-	30	45	56		-	28	43	56		27	55	56	32	56			
72"		29	41			-	28	41			-	26	39	41		25	41		29	41			
78"		27	31			-	26	31			-	24	31			23	31		27	31			
84"		24				-	24	24			-	22	24			21	24		24				
90"	19				-	19				-	19				19			19					
96"	-				-	-				-	-				-			-					

ANCHOR LOAD CAPACITY CHART



WIDTH (W)
AT FRAME JAMB = W1 / 2

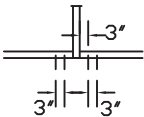
WIDTH (W)
AT FRAME MULLION = (W1 + W2) / 2



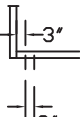
C1, G1, W1, M1



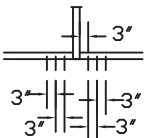
C1, G1, W1, M1



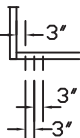
C2, G2, W2, M2



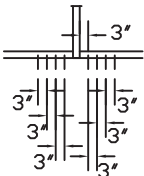
C2, G2, W2, M2



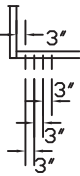
C3, G3, W3, M3



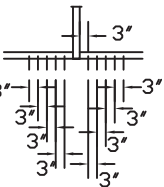
C3, G3, W3, M3



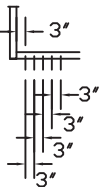
C4, G4, W4, M4



C4, G4, W4, M4



G5, W5



G5, W5

- C1, G1, W1 OR M1 = (1) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- C2, G2, W2 OR M2 = (2) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- C3, G3, W3 OR M3 = (3) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- C4, G4, W4 OR M4 = (4) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- G5 OR W5 = (5) ANCHOR TYPE 'G', OR 'W' AT EACH SIDE OF VERTICAL MEMBERS.

ANCHORS TYPES C, G, W & M SEE SHEET 14 FOR DESCRIPTION

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL#15274.1

ENGINEERINGEXPRESS®

CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION

3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			
COPYRIGHT ENGINEERING EXPRESS®			

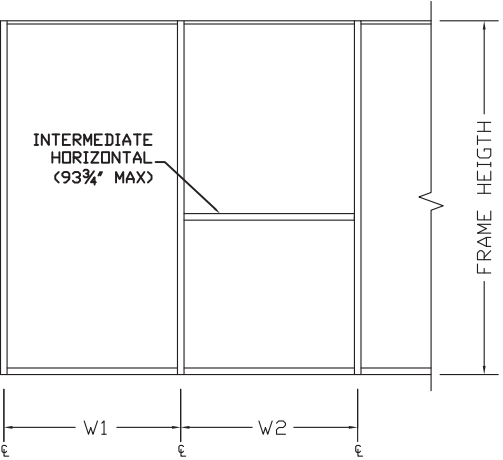
20-29763

SCALE: NTS UNLESS NOTED

C:\Users\jpean\Engineering\Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\Drawings\2020 FBC Update\20-29763 Pro Tech 6SG Structurally Glazed System.dwg

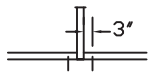
ANCHOR LOADING CAPACITY - PSF																							
NOMINAL DIMS		TYPE 'C' (CONCRETE)				TYPE 'G' (G.FILLED BLK)					TYPE 'W' (WOOD)					TYPE 'M' (STEEL)			TYPE 'M' (ALUMINUM)				
WIDTH	HEIGHT	C1	C2	C3	C4	G1	G2	G3	G4	G5	W1	W2	W3	W4	W5	M1	M2	M3	M1	M2	M3	M4	
30"	120"	62	125	131		30	60	90	120	131	28	56	84	113	131	54	108	131	63	126	131		
36"		52	104	117		25	50	75	100	117	23	47	70	94	117	45	90	117	53	105	117		
42"		45	89	108		21	43	64	85	107	20	40	60	80	101	39	77	108	45	90	108		
48"		39	78	100		19	37	56	75	94	18	35	53	70	88	34	68	100	40	79	100		
54"		35	69	92		17	33	50	66	83	16	31	47	63	78	30	60	90	35	70	92		
60"		31	62	80		-	30	45	60	75	-	28	42	56	70	27	54	80	32	63	80		
66"		28	55			-	27	41	54	55	-	26	38	51	55	25	49	55	29	55			
72"		26	39			-	25	37	39		-	23	35	39		23	39		26	39			
78"		24	29			-	23	29			-	22	29			21	29		24	29			
84"		22	23			-	21	23			-	20	23			19	23		23	23			
90"		18				-	18				-	18				18			18				
96"		-				-	-				-	-				-			-				
30"	132"	57	113	127		27	54	82	109	127	26	51	77	102	127	49	98	127	57	115	127		
36"		47	95	112		23	45	68	91	112	21	43	64	85	107	41	82	112	48	96	112		
42"		41	81	103		19	39	58	78	97	18	37	55	73	91	35	70	103	41	82	103		
48"		35	71	96		17	34	51	68	85	16	32	48	64	80	31	61	92	36	72	96		
54"		32	63	90		-	30	45	60	76	-	28	43	57	71	27	55	82	32	64	90		
60"		28	57	80		-	27	41	54	68	-	26	38	51	64	25	49	74	29	57	80		
66"		26	52	54		-	25	37	49	54	-	23	35	47	54	22	45	54	26	52	54		
72"		24	38			-	23	34	38		-	21	32	38		20	38		24	38			
78"		22	28			-	21	28			-	20	28			19	28		22	28			
84"		20	22			-	19	22			-	18	22			18	22		21	22			
90"		17				-	17				-	17				16	17		17				
96"		-				-	-				-	-				-			-				
30"	144"	52	104	124		25	50	75	100	124	23	47	70	94	117	45	90	124	53	105	124		
36"		43	87	109		21	42	62	83	104	20	39	59	78	98	38	75	109	44	88	109		
42"		37	74	99		18	36	53	71	89	17	34	50	67	84	32	64	96	38	75	99		
48"		33	65	92		16	31	47	62	78	-	29	44	59	73	28	56	84	33	66	92		
54"		29	58	87	87	-	28	42	55	69	-	26	39	52	65	25	50	75	29	59	87		
60"		26	52	78	80	-	25	37	50	62	-	23	35	47	59	23	45	68	26	53	79	80	
66"		24	47	54		-	23	34	45	54	-	21	32	43	53	20	41	54	24	48	54		
72"		22	38			-	21	31	38		-	20	29	38		19	38	38	22	38			
78"		20	28			-	19	28			-	18	27	28		17	28		20	28			
84"		19	21			-	18	21			-	17	21			16	21		19	21			
90"		16				-	16				-	16	16			-	16		16				
96"		-				-	-				-	-				-			-				
30"	156"	48	96	121		23	46	69	92	115	22	43	65	87	108	42	83	121	49	97	121		
36"		40	80	106		19	38	58	77	96	18	36	54	72	90	35	69	104	41	81	106		
42"		34	69	96		16	33	49	66	82	-	31	46	62	77	30	59	89	35	69	96		
48"		30	60	88		-	29	43	58	72	-	27	41	54	68	26	52	78	30	61	88		
54"		27	53	80	83	-	26	38	51	64	-	24	36	48	60	23	46	69	27	54	81	83	
60"		24	48	72	80	-	23	35	46	58	-	22	32	43	54	21	42	62	24	49	73	80	
66"		22	44	54		-	21	31	42	52	-	20	30	39	49	19	38	54	22	44	54		
72"		20	38			-	19	29	38		-	18	27	36	38	17	35	38	20	38			
78"		18	28			-	18	27	28		-	17	25	28		16	28		19	28			
84"		17	20			-	16	20			-	-	20			-	20		17	20			
90"		16				-	-	16			-	-	16			-	16		16				
96"		-				-	-				-	-				-			-				
30"	168"	45	89	119		21	43	64	85	107	20	40	60	80	101	39	77	116	45	90	119		
36"		37	74	104		18	36	53	71	89	17	34	50	67	84	32	64	96	38	75	104		
42"		32	64	91		-	31	46	61	76	-	29	43	57	72	28	55	83	32	64	91		
48"		28	56	80		-	27	40	53	67	-	25	38	50	63	24	48	72	28	56	80		
54"		25	50	71		-	24	36	47	59	-	22	34	45	56	21	43	64	25	50	71		
60"		22	45	64		-	21	32	43	53	-	20	30	40	50	19	39	58	23	45	64		
66"		20	41	54		-	19	29	39	49	-	18	27	37	46	18	35	53	21	41	54		
72"		19	37	38		-	18	27	36	38	-	17	25	34	38	16	32	38	19	38	38		
78"		17	28			-	16	25	28		-	-	23	28		-	28		17	28			
84"		16	20			-	-	20			-	-	20			-	20		16	20			
90"		-	-			-	-	-			-	-	-			-	-		-				
96"		-				-	-				-	-				-			-				

ANCHOR LOAD CAPACITY CHART



WIDTH (W) AT FRAME JAMB = W1 / 2

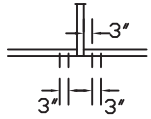
WIDTH (W) AT FRAME MULLION = (W1 + W2) / 2



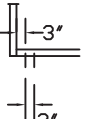
C1, G1, W1, M1



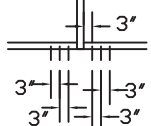
C1, G1, W1, M1



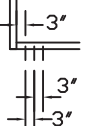
C2, G2, W2, M2



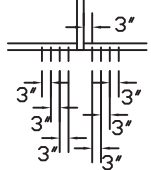
C2, G2, W2, M2



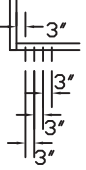
C3, G3, W3, M3



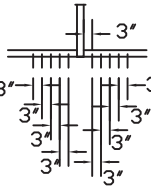
C3, G3, W3, M3



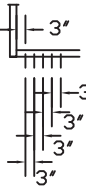
C4, G4, W4, M4



C4, G4, W4, M4



G5, W5



G5, W5

- C1, G1, W1 OR M1 = (1) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- C2, G2, W2 OR M2 = (2) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- C3, G3, W3 OR M3 = (3) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- C4, G4, W4 OR M4 = (4) ANCHOR TYPE 'C', 'G', 'W' OR 'M' AT EACH SIDE OF VERTICAL MEMBERS.
- G5 OR W5 = (5) ANCHOR TYPE 'G', OR 'W' AT EACH SIDE OF VERTICAL MEMBERS.

ANCHORS TYPES C, G, W & M SEE SHEET 14 FOR DESCRIPTION

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL#15274.1



CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM



CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888



PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			
COPYRIGHT ENGINEERING EXPRESS®			

20-29763

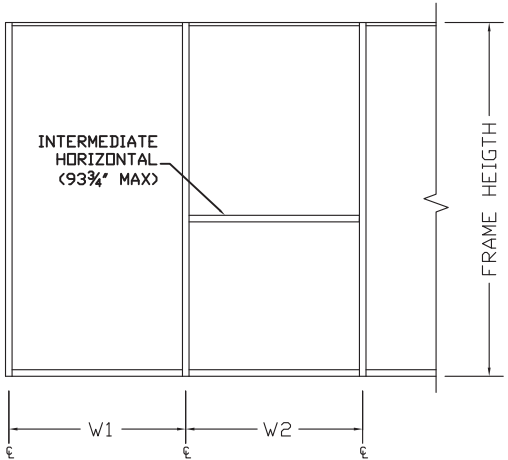
SCALE: NTS UNLESS NOTED

C:\Users\jpean\Engineering\Express\Production - Document\Projects\20-29763 Pro Tech 6SG Impact\CAD Drawings\2020 FBC Update\20-29763 Pro Tech 6SG Structurally Glazed System.dwg
08/31/2020 - 0:54am - jpean

ANCHOR LOADING CAPACITY - PSF										
NOMINAL DIMS		TYPE 'GG' (G.FILLED BLK)					TYPE 'WW' (WOOD)			
WIDTH	HEIGHT	GG1	GG2	GG3	GG4	GG5	WW1	WW2	WW3	WW4
30"	60"	71	142	172			129	172		
36"		59	118	153			108	153		
42"		51	101	140			92	140		
48"		44	89	123			81	123		
54"		39	79	109			72	109		
60"		36	71	98			65	98		
66"		32	65	83			59	83		
72"		30	59	63			54	63		
78"		27	49				49			
84"		25	39				39			
90"		24	31				31			
96"		22	26				26			
30"	72"	59	118	163			108	163		
36"		49	99	143			90	143		
42"		42	85	127	130		77	130		
48"		37	74	111	121		67	121		
54"		33	66	99	109		60	109		
60"		30	59	89	95		54	95		
66"		27	54	72			49	72		
72"		25	49	54			45	54		
78"		23	42				41	42		
84"		21	33				33			
90"		20	26				26			
96"		19	22				22			
30"	84"	51	101	152	153		92	153		
36"		42	85	127	137		77	137		
42"		36	72	109	123		66	123		
48"		32	63	95	113		58	113		
54"		28	56	85	103		51	103	103	
60"		25	51	76	87		46	87		
66"		23	46	65			42	65		
72"		21	42	48			39	48		
78"		20	37				36	37		
84"		18	29				29			
90"		17	23				23			
96"		16	19				19			
30"	96"	44	89	133	143		81	143		
36"		37	74	111	131		67	131		
42"		32	63	95	118		58	116	118	
48"		28	56	83	107		51	101	107	
54"		25	49	74	99	99	45	90	99	
60"		22	44	67	83		40	81	83	
66"		20	40	60			37	60		
72"		19	37	44			34	44		
78"		17	34				31	34		
84"		16	26				26			
90"		-	21				21			
96"		-	17				17			
30"	108"	39	79	118	136		72	136		
36"		33	66	99	123		60	120	123	
42"		28	56	85	113	114	51	103	114	
48"		25	49	74	99	103	45	90	103	
54"		22	44	66	88	95	40	80	95	
60"		20	39	59	79	80	36	72	80	
66"		18	36	54	56		33	56		
72"		16	33	41			30	41		
78"		-	30	31			28	31		
84"		-	24				24			
90"		-	19				19			
96"		-	-				-			

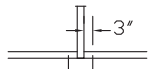
ANCHOR LOADING CAPACITY - PSF										
NOMINAL DIMS		TYPE 'GG' (G.FILLED BLK)					TYPE 'WW' (WOOD)			
WIDTH	HEIGHT	GG1	GG2	GG3	GG4	GG5	WW1	WW2	WW3	WW4
30"	120"	36	71	107	131		65	129	131	
36"		30	59	89	117		54	108	117	
42"		25	51	76	101	108	46	92	108	
48"		22	44	67	89	100	40	81	100	
54"		20	39	59	79	92	36	72	92	
60"		18	36	53	71	80	32	65	80	
66"		16	32	48	55		29	55		
72"		-	30	39			27	39		
78"		-	27	29			25	29		
84"		-	23				23			
90"		-	18				18			
96"		-	-				-			
30"	132"	32	65	97	127		59	118	127	
36"		27	54	81	108	112	49	98	112	
42"		23	46	69	92	103	42	84	103	
48"		20	40	61	81	96	37	74	96	
54"		18	36	54	72	90	33	65	90	
60"		16	32	48	65	80	29	59	80	
66"		-	29	44	54		27	53	54	
72"		-	27	38			25	38		
78"		-	25	28			23	28		
84"		-	22				21	22		
90"		-	17				17			
96"		-	-				-			
30"	144"	30	59	89	118	124	54	108	124	
36"		25	49	74	99	109	45	90	109	
42"		21	42	63	85	99	39	77	99	
48"		19	37	56	74	92	34	67	92	
54"		16	33	49	66	82	30	60	87	
60"		-	30	44	59	74	27	54	80	
66"		-	27	40	54	54	25	49	54	
72"		-	25	37	38		22	38		
78"		-	23	28			21	28		
84"		-	21				19	21		
90"		-	16				16			
96"		-	-				-			
30"	156"	27	55	82	109	121	50	100	121	
36"		23	46	68	91	106	41	83	106	
42"		20	39	59	78	96	36	71	96	
48"		17	34	51	68	85	31	62	88	
54"		-	30	46	61	76	28	55	83	83
60"		-	27	41	55	68	25	50	75	80
66"		-	25	37	50	54	23	45	54	
72"		-	23	34	38		21	38		
78"		-	21	28			19	28		
84"		-	20	20			18	20		
90"		-	16				16			
96"		-	-				-			
30"	168"	25	51	76	101	119	46	92	119	
36"		21	42	63	85	104	39	77	104	
42"		18	36	54	72	91	33	66	91	
48"		16	32	48	63	79	29	58	80	
54"		-	28	42	56	70	26	51	71	
60"		-	25	38	51	63	23	46	64	
66"		-	23	35	46	54	21	42	54	
72"		-	21	32	38		19	38		
78"		-	20	28			18	28		
84"		-	18	20			17	20		
90"		-	-				-			
96"		-	-				-			

ANCHOR LOAD CAPACITY CHART

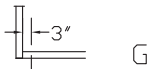


WIDTH (W)
AT FRAME JAMB = $\frac{W1}{2}$

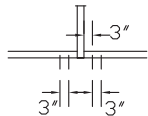
WIDTH (W)
AT FRAME MULLION = $\frac{W1 + W2}{2}$



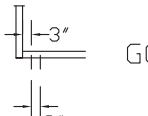
GG1, WW1



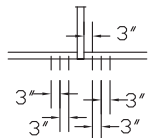
GG1, WW1



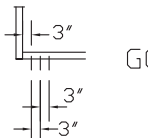
GG2, WW2



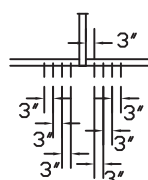
GG2, WW2



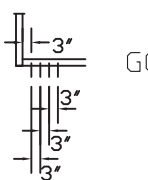
GG3, WW3



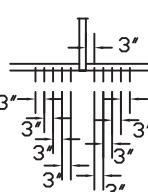
GG3, WW3



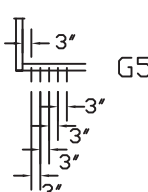
GG4, WW4



GG4, WW4



G5



G5

GG1, WW1 =

(1) ANCHOR TYPE 'GG' OR 'WW'
EACH SIDE OF VERTICAL MEMBERS.

GG2, WW2 =

(2) ANCHOR TYPE 'GG' OR 'WW'
EACH SIDE OF VERTICAL MEMBERS.

GG3, WW3 =

(3) ANCHOR TYPE 'GG' OR 'WW'
EACH SIDE OF VERTICAL MEMBERS.

GG4, WW4 =

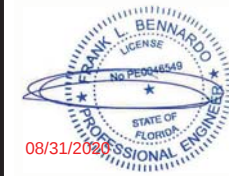
(4) ANCHOR TYPE 'GG' OR 'WW'
EACH SIDE OF VERTICAL MEMBERS.

GG5 =

(4) ANCHOR TYPE 'GG' OR 'WW'
EACH SIDE OF VERTICAL MEMBERS.

ANCHORS TYPES GG, WW SEE SHEET 14 FOR DESCRIPTION

FRANK BENNARD, P.E.
PE# 0046549 CA# 9885



FL#15274.1



CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION

3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888



PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			

COPYRIGHT ENGINEERING EXPRESS®

20-29763

SCALE: NTS UNLESS NOTED



**ENGINEERING
EXPRESS®**

CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(354) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
 3301 S.W. 13TH DRIVE
 DEERFIELD BEACH, FL 33442-8108
 Phn: (954) 698-6888

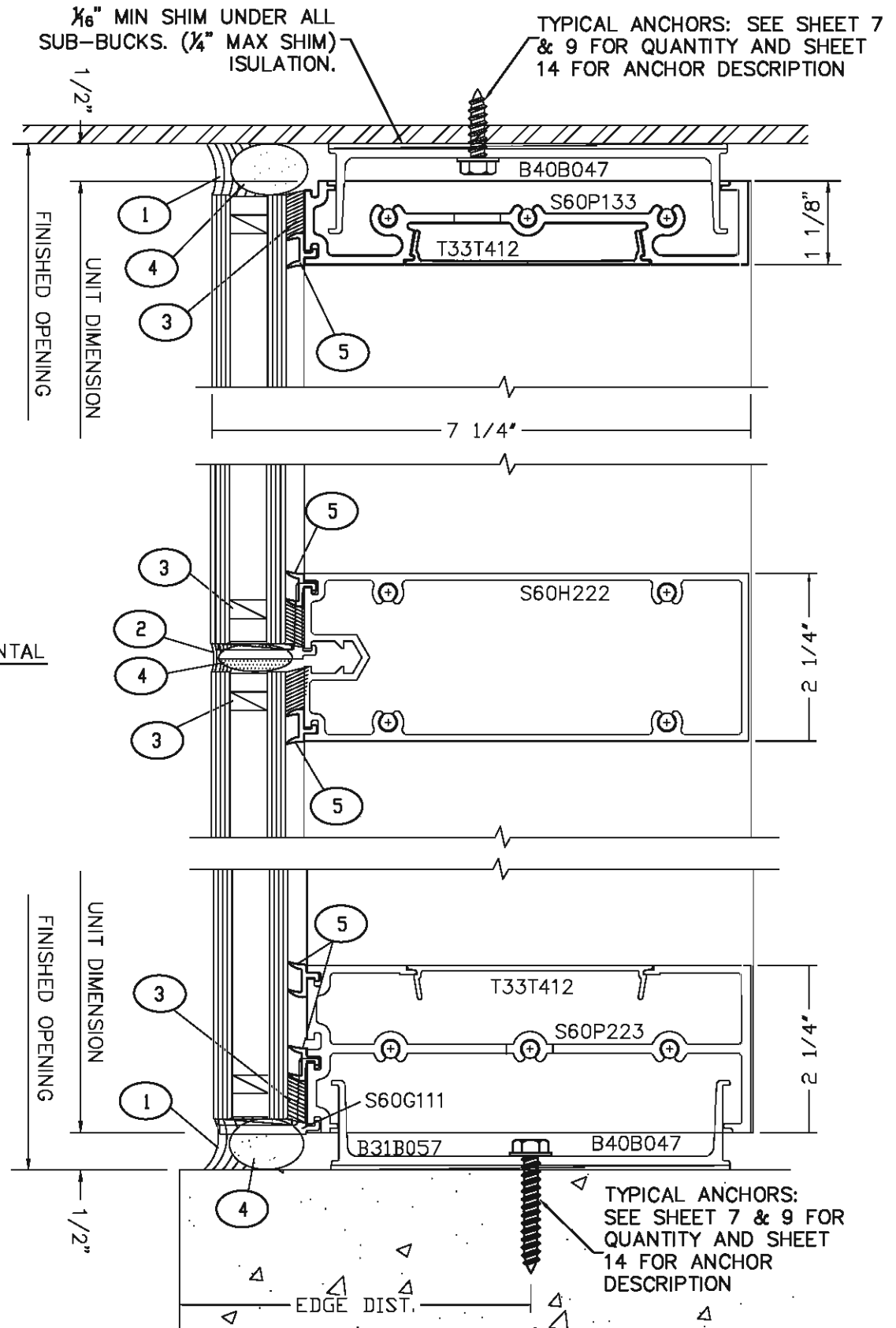
PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
 FLORIDA STATE PRODUCT APPROVAL

REMARKS	DATE	CHKD	UPRN	DATE
20200 FEB UPDATE	08/07/20	AJ/P	JPC	
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-

THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

SCALE: NTS UNLESS NOTED

10



C:\Users\joem\Engineering\Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg

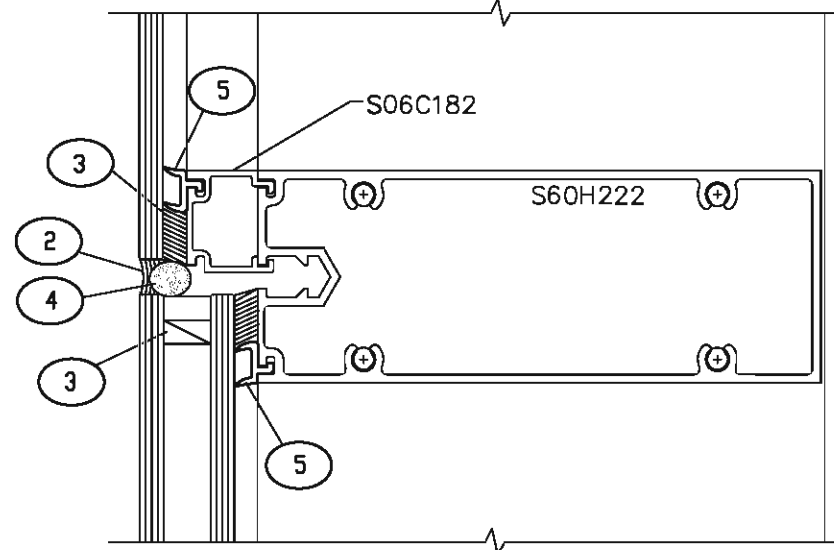
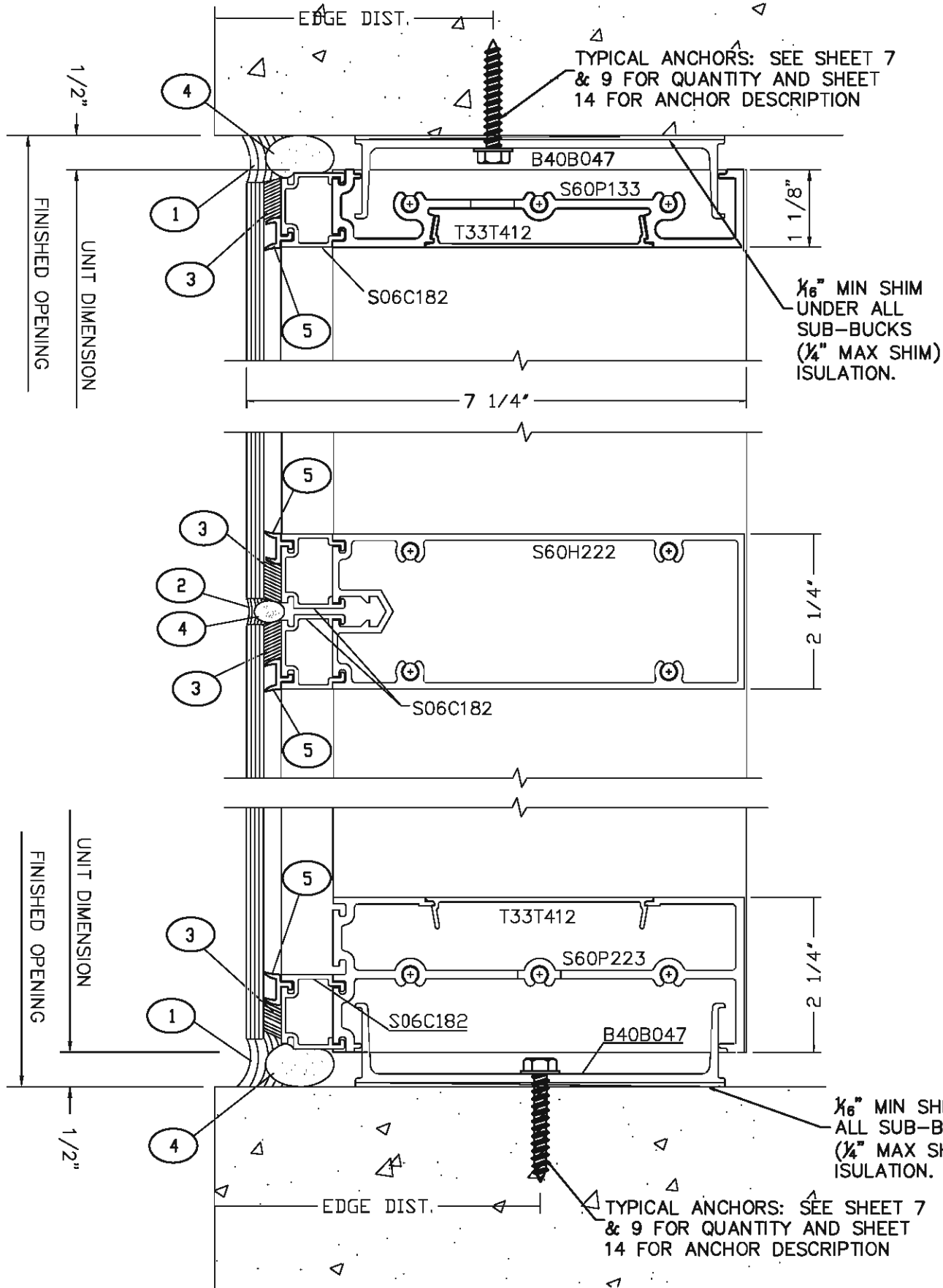
joem

08/31/2020 - 9:51am

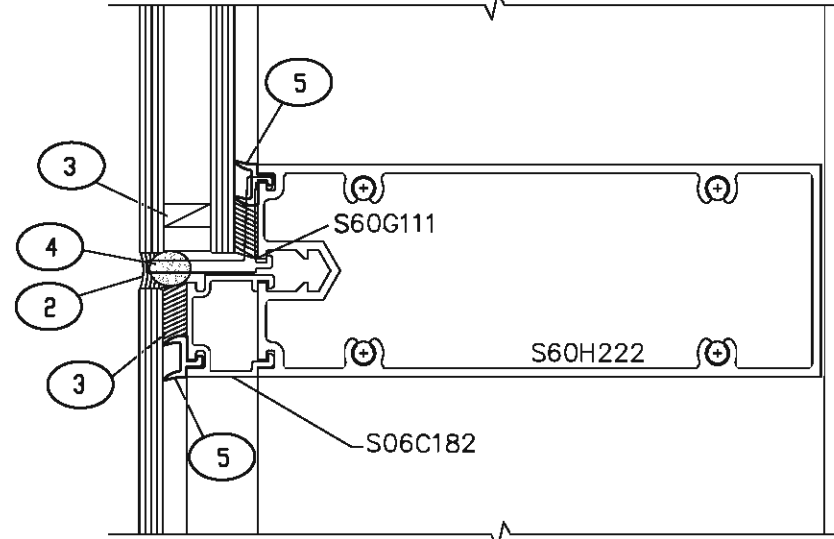
1
11 HEAD

2
11 HORIZONTAL

3
11 SILL



4
11 HORIZONTAL



5
11 HORIZONTAL

FRANK BENNARD, P.E.
PE# 0046549 CA# 9885



FL#15274.1

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20

THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER CHANGES TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

20-29763

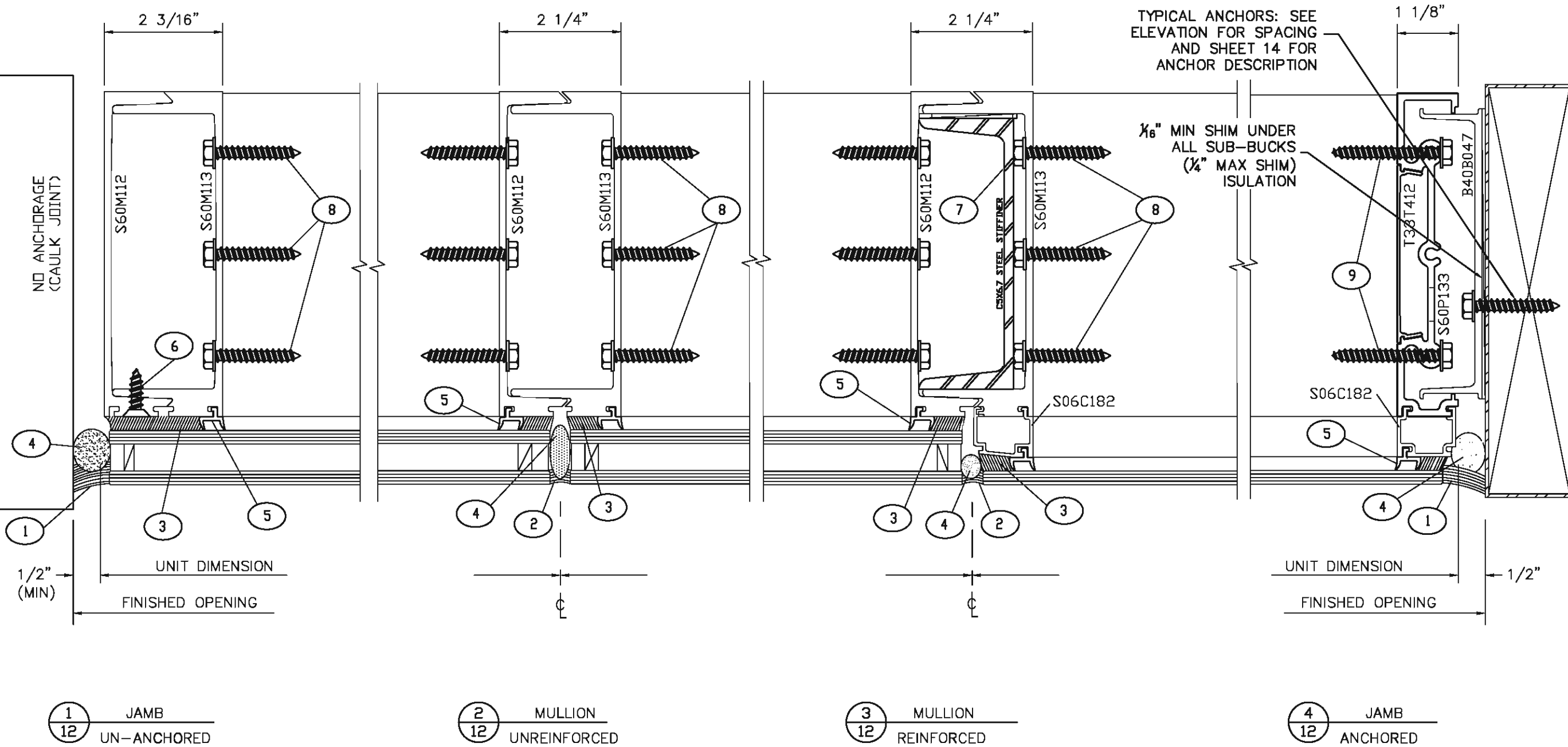
SCALE: NTS UNLESS NOTED

11
OF 16

C:\Users\joem\Engineering\Express\Production - Documents\Projects\20-29763 Pro-Tech 6SG Impact\01 Drawings\2020 FRC Update\20-29763 Pro-Tech 6SG Structurally Glazed System.dwg

joem

09/31/2020 - 9:51am



FRANK BENNARDO, P.E.
PE# 0046549 CA# 9685



FL#15274.1

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FRC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALUATE OUR CERTIFICATION.			

COPYRIGHT ENGINEERING EXPRESS®

20-29763

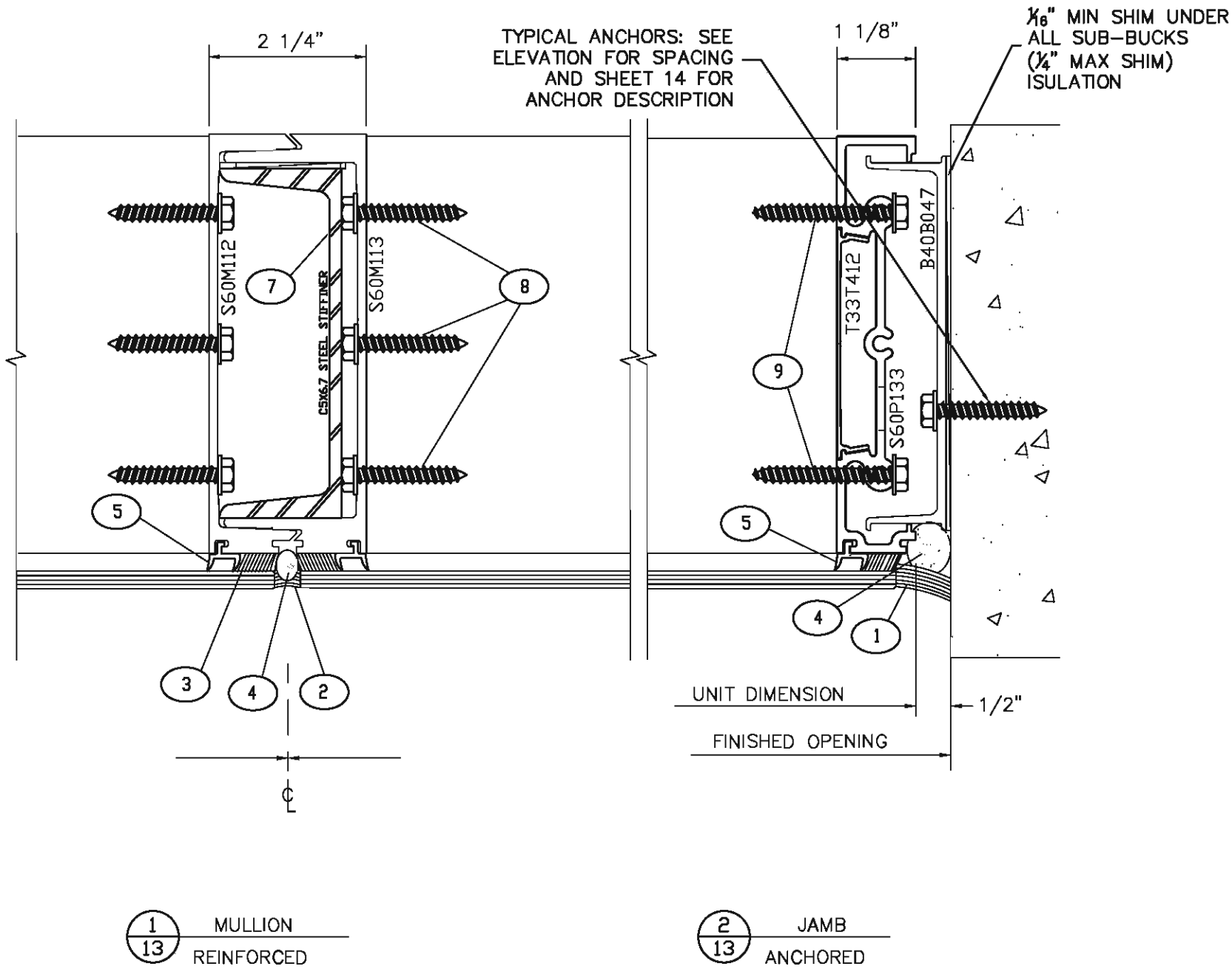
SCALE: NTS UNLESS NOTED

12 OF 16

C:\Users\joem\Engineering\Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg

joem

08/31/2020 - 9:51am



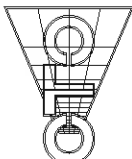
FRANK BENNARDO, P.E.
PE# 0046549 CA# 9685



FL#15274.1

ENGINEERING EXPRESS
CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION
3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888



PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20

THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT THE WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

COPYRIGHT ENGINEERING EXPRESS®

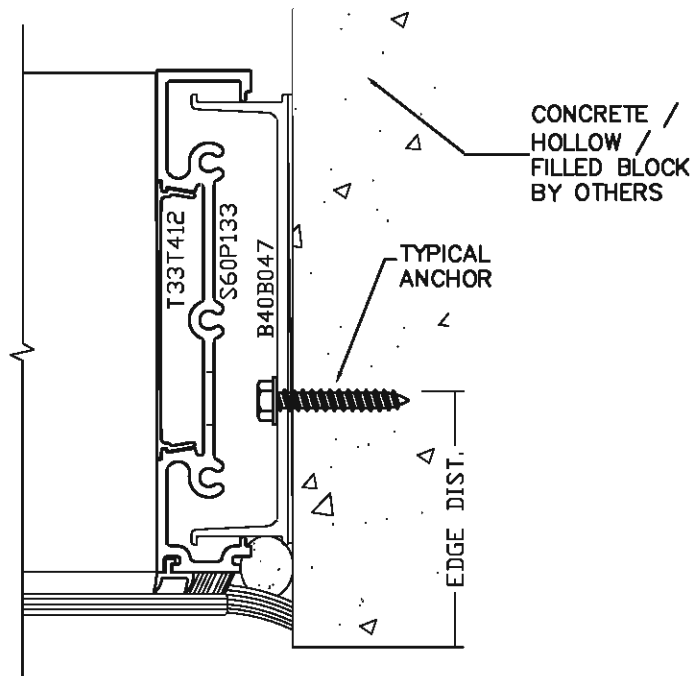
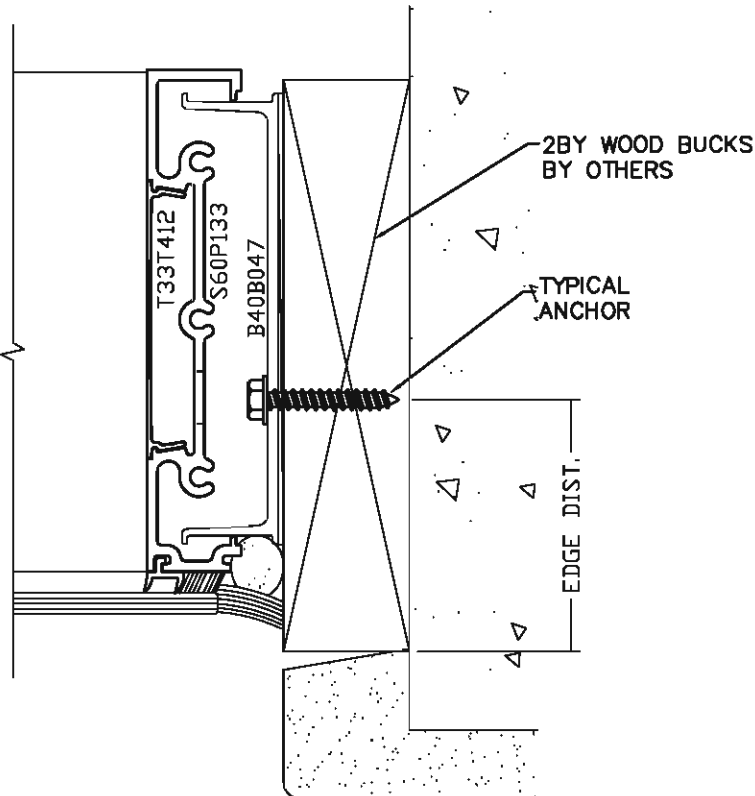
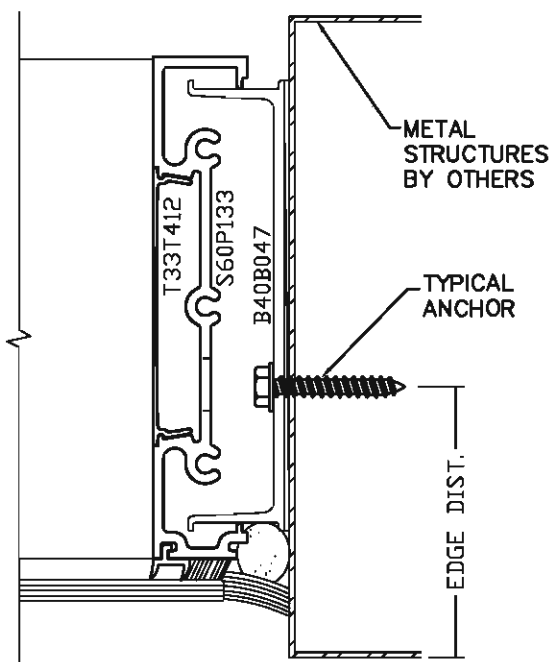
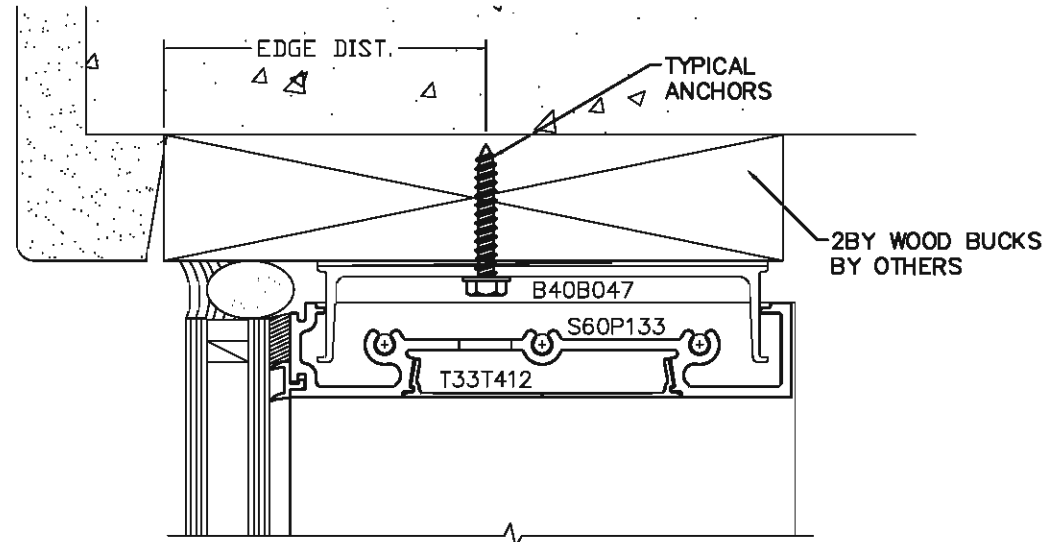
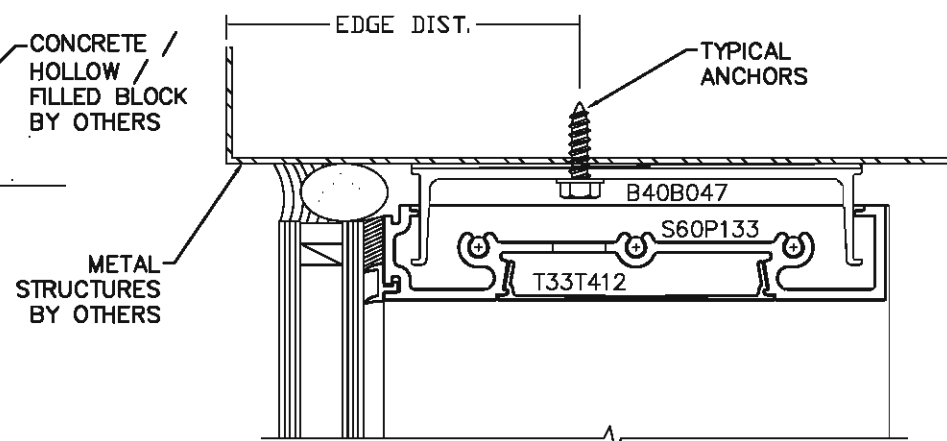
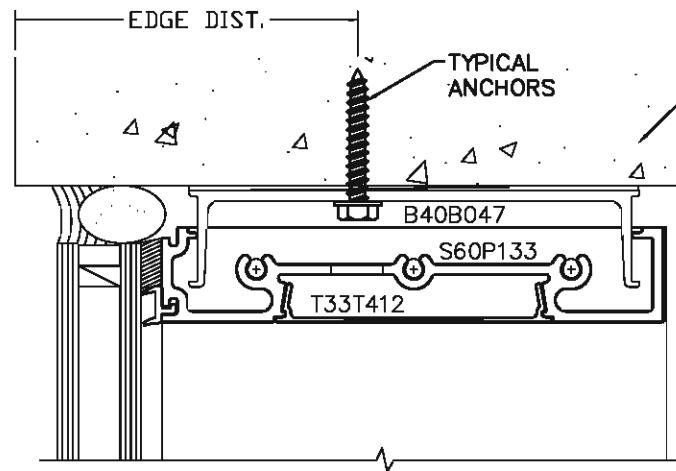
20-29763

SCALE: NTS UNLESS NOTED

C:\Users\joem\Engineering\Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg

joem

08/31/2020 - 9:51am



TYPICAL ANCHORS:

SEE ELEV. & ANCHOR CHARTS
FOR SPACING & QUANTITY

TYPE 'C' - 1/4" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE (3050 PSI MIN)
1-3/4" MIN. EMBED INTO CONCRETE

TYPE 'G' - 1/4" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO GROUT FILLED BLOCK (ASTM C-90 MIN)
1-3/4" MIN. GROUT FILLED BLOCK

TYPE 'W' - 1/4" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (SYP#2 G=0.55 MIN)
1-1/2" MIN. PENETRATION INTO WOOD

TYPE 'M' - 1/4-20 DIA. DRILL-FLEX BY 'DEWALT' (GRADE 5 MIN)

INTO METAL STRUCTURES (5 PITCHES PAST THE THREAD PLANE MIN.)
STEEL: 18 GAGE STEEL MIN (Fy=36 KSI MIN)
ALUMINUM: 1/8" THK MIN. (6063-T5 MIN)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPE 'GG' - 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO GROUT FILLED BLOCK (ASTM C-90 MIN)
1-3/4" MIN. GROUT FILLED BLOCK

TYPE 'WW' - 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

INTO 2BY WOOD BUCKS OR WOOD STRUCTURES (SYP#2 G=0.55 MIN)
1-1/2" MIN. PENETRATION INTO WOOD

TYPICAL EDGE DISTANCE

INTO CONCRETE/HOLLOW BLOCK/GROUT FILLED BLOCK= 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN. (FOR 1/4" DIA ULTRACONS)
INTO WOOD STRUCTURE = 1 9/16" MIN. (FOR 5/16" DIA ULTRACONS)
INTO METAL STRUCTURE = 3/4" MIN.

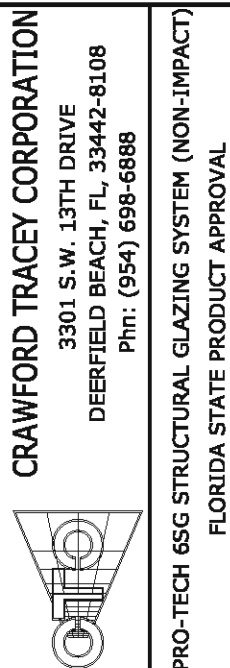
ANCHOR NOTES:

- SEE SYSTEM ANCHOR CHART FOR ANCHOR LOCATIONS AND/OR SPACING.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS.
- ANCHOR REQUIREMENTS AS SHOWN HEREIN, INCLUDING MINIMUM EMBEDMENT AND EDGE DISTANCE, EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, THE BUILDING OFFICIAL MAY REQUIRE A ONE-TIME SITE-SPECIFIC NOTICE OF ACCEPTANCE BE OBTAINED, OR THAT SITE SPECIFIC DOCUMENTS BE PREPARED, SIGNED, DATED AND SEALED BY A LICENSED ENGINEER OR REGISTERED ARCHITECT, WHICH DETAIL AND JUSTIFY THE DEVIATION.
- WHERE EXISTING STRUCTURE IS WOOD FRAMING, EXISTING CONDITIONS MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADEQUATE WOOD FRAMING MEMBERS, NOT INTO PLYWOOD.
- PRESSURE TREATED WOOD BUCKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

FRANK BENNARDO, P.E.
PE# 0046549 CA# 9885



FL#15274.1



REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20

THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER CHANGES TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

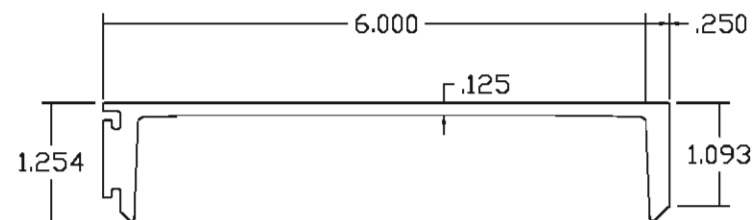
COPYRIGHT ENGINEERING EXPRESS®

20-29763

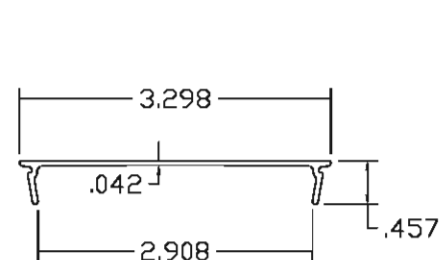
SCALE: NTS UNLESS NOTED

14 OF 16

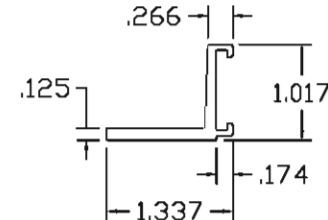
C:\Users\joem\Engineering\Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg 08/31/2020 - 9:51am joem



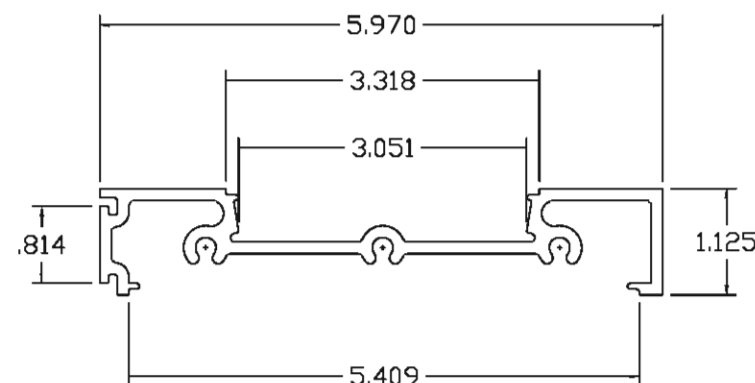
S60M112



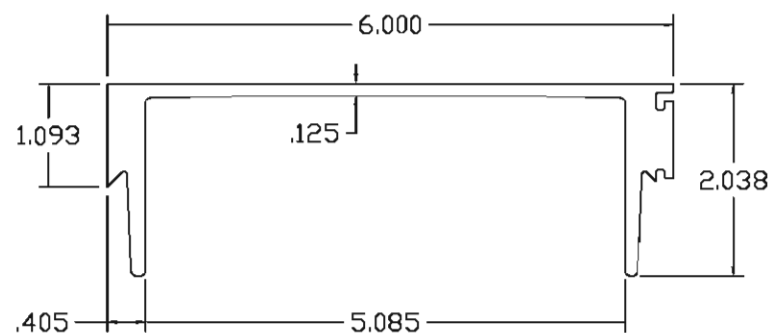
T33T412



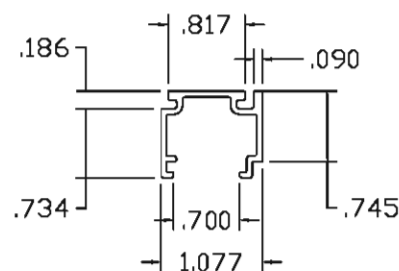
S60G111
GRAVITY CLIP



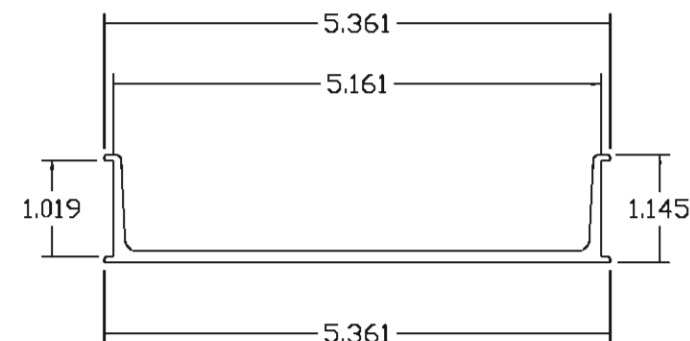
S60P133



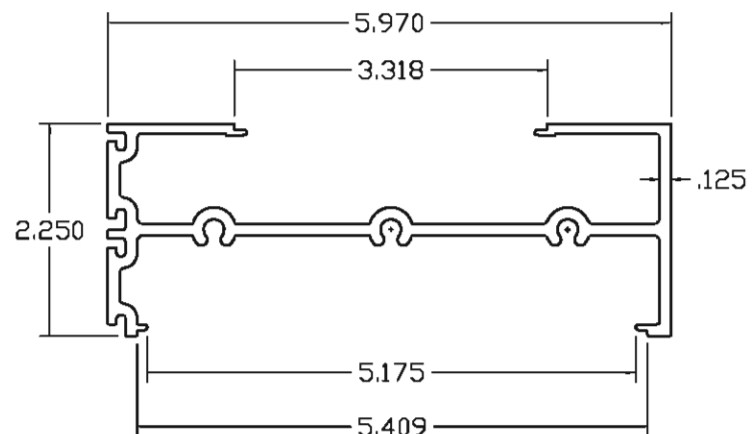
S60M113



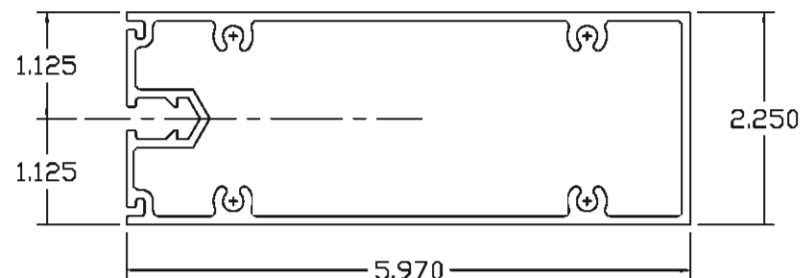
S06C182



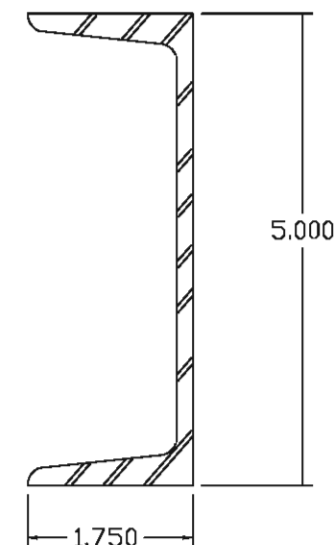
B40B047



S60P223



S60H222

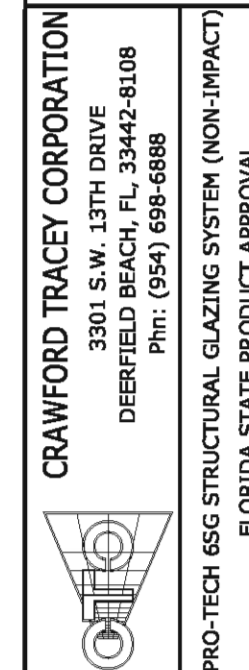


C3x6.7 CHANNEL
STRUCTURAL STEEL

FRANK BENNARDI, P.E.
PE# 0046549 CA# 9885



FL#15274.1



REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20
THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, REVISIONS, OR OTHER CHANGES TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.			

COPYRIGHT ENGINEERING EXPRESS®

20-29763

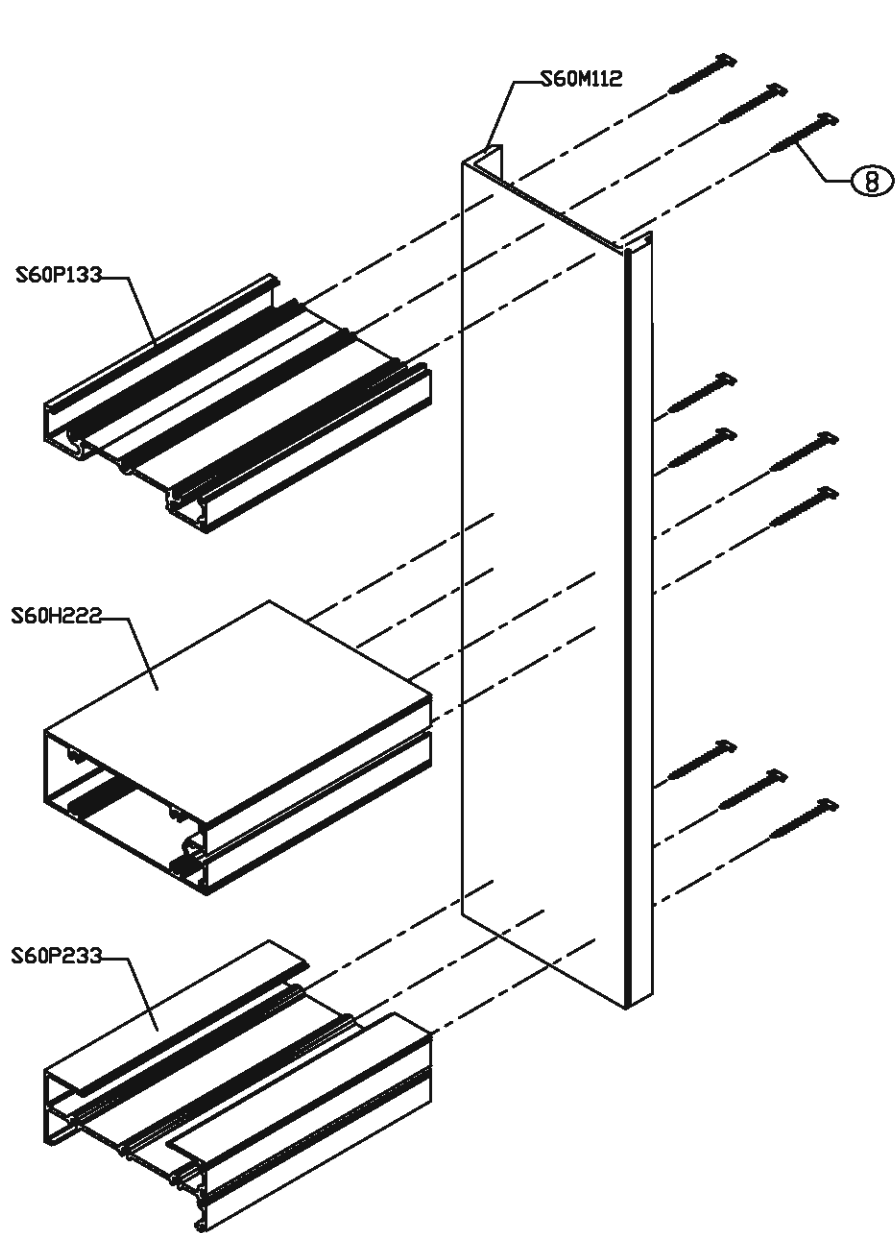
SCALE: NTS UNLESS NOTED

15 OF 16

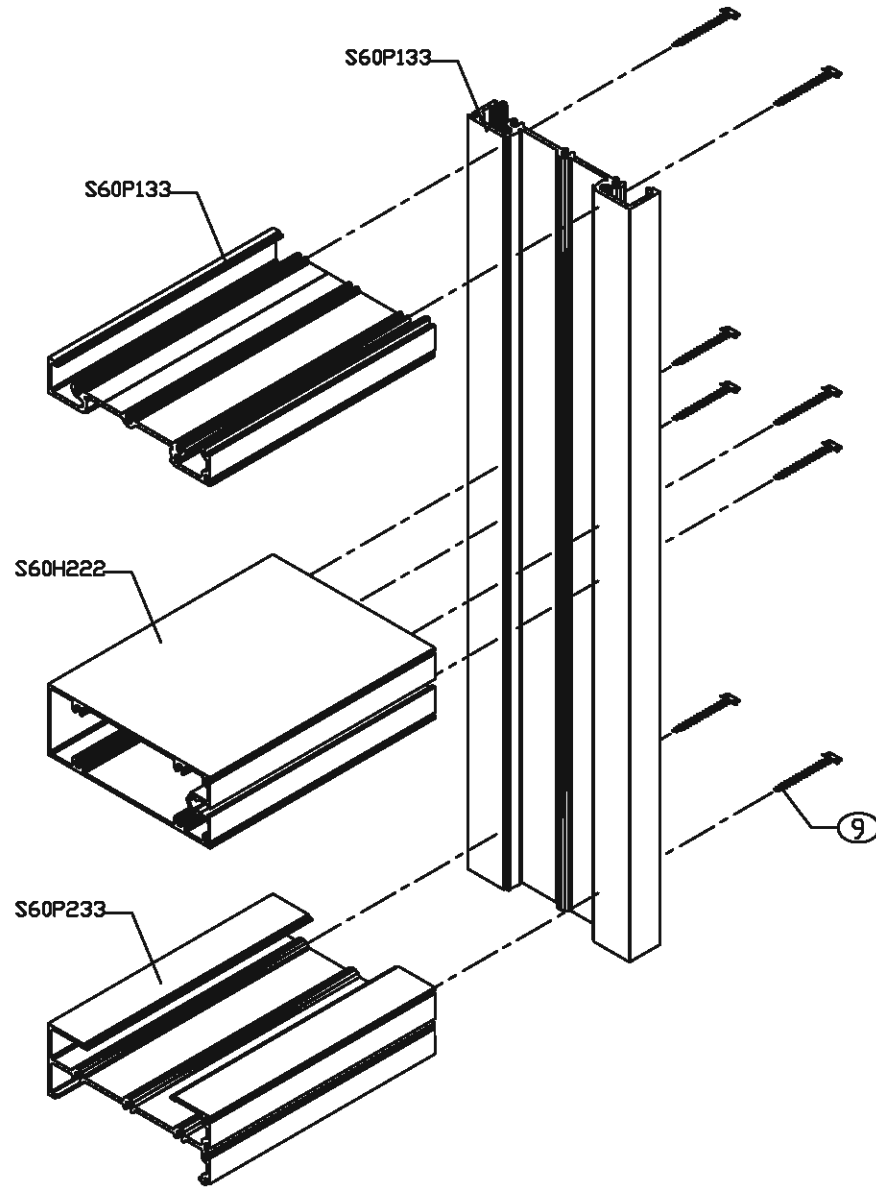
C:\Users\joem\Engineering\Express\Production - Documents\Projects\20-29763 Pro Tech 6SG Impact\01Drawings\2020 FBC Update\20-29763b Pro-Tech 6SG Structurally Glazed System.dwg

joem

08/31/2020 - 9:51am



MULLION ASSEMBLY



JAMB ASSEMBLY

LEGEND

1

PERIMETER SEALANT SHALL BE #790 BLACK SILICONE AS MANUFACTURED BY DOW CORNING.

2

GLASS TO GLASS WEATHERSEALS SHALL BE #790 BLACK SILICONE AS MANUFACTURED BY DOW CORNING.

3

SHOP APPLIED STRUCTURAL SILICONE SHALL BE #983 BLACK AS MANUFACTURED BY DOW CORNING. (1/4" THK MIN BY 3/8" LONG MIN).

4

TUNDRA OPEN CELL FOAM; MANUFACTURED BY ITP CORPORATION.

5

POLYPROPYLENE STRUCTURAL GLAZING SPACER; PART #-CTC0961.

6

3/16" X 1" TEK SCREW AT 24" OC ON UNSUPPORTED JAMB.

7

C3X6 STEEL STIFFENER AT 116" LONG, SHIMMED SNUG IN MULLION AT 16" ON CENTER.

8

MULLION TO HORIZONTAL FASTENERS TO BE HEX HEAD 304 ALLOY STAINLESS STEEL #14X1-1/2" LONG.

9

JAMB TO HORIZONTAL FASTENERS TO BE HEX HEAD 304 ALLOY STAINLESS STEEL #14X2" LONG.

10

S40G111 - 4" LONG SETTING PIECE (INSULATED GLASS) AT 1/4" POINTS.

ALLOYS	
S60M113	6005-T5
S60M112	6005-T5
S60H222	6005-T5
S60P223	6005-T5
S60P113	6005-T5
B40B047	6005-T5
T33T412	6005-T5
S06C182	6005-T5
S60G111	6005-T5

FRANK BENNARD, P.E.
PE# 0046549 CA# 9885



FL#15274.1

ENGINEERING
EXPRESS

CORPORATE OFFICE:
160 SW 12th AVE, SUITE 106
DEERFIELD BEACH, FL 33442
(954) 354-0660 | (866) 396-9999
TEAM@ENGINEERINGEXPRESS.COM
ENGINEERINGEXPRESS.COM

CRAWFORD TRACEY CORPORATION

3301 S.W. 13TH DRIVE
DEERFIELD BEACH, FL, 33442-8108
Phn: (954) 698-6888

PRO-TECH 6SG STRUCTURAL GLAZING SYSTEM (NON-IMPACT)
FLORIDA STATE PRODUCT APPROVAL

REMARKS	DRWN	CHKD	DATE
2020 FBC UPDATE	JPC	AJP	08/07/20

THIS DOCUMENT IS THE PROPERTY OF ENGINEERING EXPRESS, AND SHALL NOT BE REPRODUCED IN WHOLE OR PART WITHOUT WRITTEN CONSENT OF ENGINEERING EXPRESS. ALTERATIONS, ADDITIONS, OR OTHER CHANGES TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE OUR CERTIFICATION.

COPYRIGHT ENGINEERING EXPRESS®

20-29763

SCALE: NTS UNLESS NOTED