

PERSPECTIVE

GLASS COMPANY

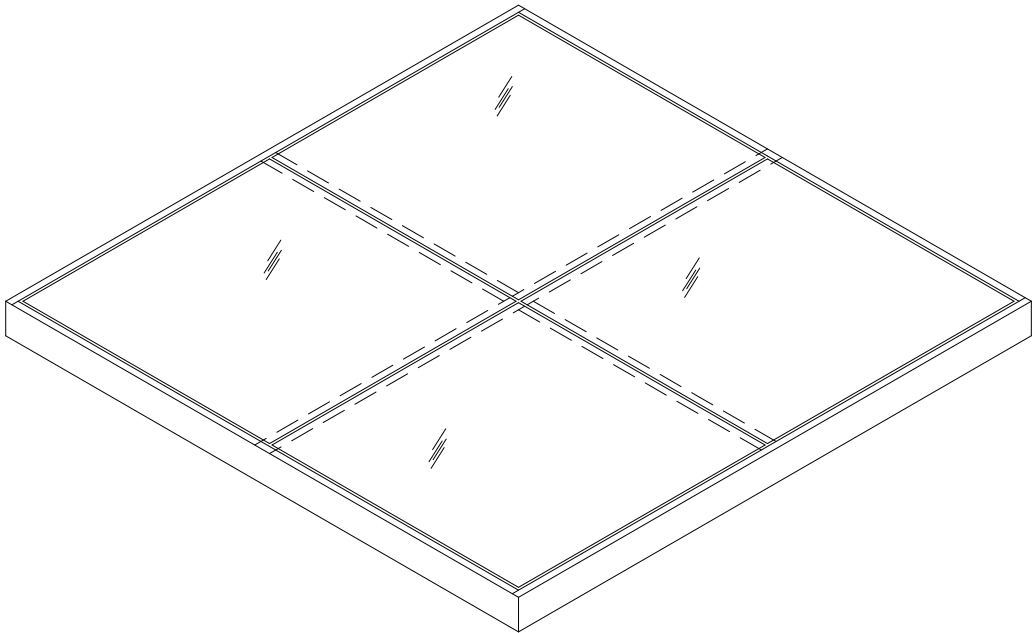
Glazing Contractors

750 SW 14TH AVENUE

POMPANO BEACH, FL 33069

PH. (954) 773-9714

FAX (954) 971-6614



SYSTEM NOTES:
PGC788 SKYLIGHT SYSTEM GLAZED FOR LARGE & SMALL MISSILE IMPACT.
(SHUTTERS NOT REQUIRED)

- GLASS – SEE CHARTS ON PAGES 3 THRU 7 FOR ALLOWABLE GLASS TYPES, SIZES, AND DESIGN PRESSURES.
- MULLIONS – SEE CHART ON PAGES 8 FOR ALLOWABLE DESIGN PRESSURES FOR VARIOUS MULLION AND REINFORCEMENT CONFIGURATIONS.
- ANCHORS – SEE CHARTS ON PAGES 9 FOR ALLOWABLE ANCHORS.
- SYSTEM – THE DESIGN PRESSURE OF THE ENTIRE SYSTEM IS THE LOWEST ALLOWABLE DESIGN PRESSURE OF THE THREE COMPONENTS ABOVE THAT MAKE UP THE SYSTEM.

MATERIAL LEGEND – SEE PAGE 14.

FLORIDA PRODUCT APPROVAL FOR
PGC-788 SKYLIGHT SYSTEM

INSTRUCTIONS:(USE CHARTS AS NOTED BELOW)

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE USING APPLICABLE FBC AND ASCE 7 STANDARDS.
- STEP 2: SELECT GLASS TYPE AND SIZE BASED ON DESIGN PRESSURES REQUIRED. REFER TO GLASS CHARTS ON PAGES 3 THRU 7.
- STEP 3: SELECT MULLION TYPE BASED ON WIDTH, SPAN AND DESIGN PRESSURES REQUIRED. REFER TO MULLION CHARTS ON PAGES 8.
- STEP 4: SELECT HEAD/SILL ANCHOR TYPE BASED ON BUILDING SUBSTRATE AND DESIGN PRESSURES REFER TO ANCHOR CHARTS ON PAGE 9.
- STEP 5: THE LOWEST PRESSURE VALUE RESULTING FROM STEP 2 THRU 4 SHALL BE THE DESIGN PRESSURE ALLOWED FOR THE ENTIRE SYSTEM.

INDEX OF DRAWINGS	
PAGE	DESCRIPTION
1	COVER
2	ELEVATION
3	GLASS: LM & SM LEVEL D IMPACT
4	GLASS: LM & SM LEVEL D IMPACT
5	GLASS: LM & SM LEVEL D IMPACT
6	GLASS: SM LEVEL D IMPACT
7	GLASS: LM & SM LEVEL E IMPACT
8	MULLION CHART & JAMB CHART
9	FASTENER DETAILS
10	HEAD, HORIZONTAL & SILL DETAILS
11	ANCHOR @ STEEL SUBSTRATE
12	OPTIONAL EXTERIOR COVERS
13	EXTRUSIONS
14	BILL OF MATERIALS



Digitally signed by
Christopher Stanton
Date: 2025.08.13
15:42:21 -04'00'

ABBREVIATIONS

- DLO = DAYLIGHT OPENING
- PG = PAGE
- STL = =STEEL
- MULL = MULLION
- MS = MULLION SPACING
- RO = ROUGH OPENING

SEAL:

ENGINEER:

STANTON ENGINEERING, INC.
STRUCTURAL ENGINEER
SERVICES
564 N.W. BROWNING WAY
BOCA RATON, FL 33433
TEL: (561) 393-1003
FAX: (561) 393-1008

CHRISTOPHER STANTON
LICENSE
No 69316
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

REVISIONS:

SCALE:

N.T.S.

DRAWN BY:

KL

DATE:

06/23/25



PERSPECTIVE

GLASS COMPANY

Glazing Contractors

750 SW 14TH AVENUE

POMPANO BEACH, FL 33069

PH. (954) 773-9714

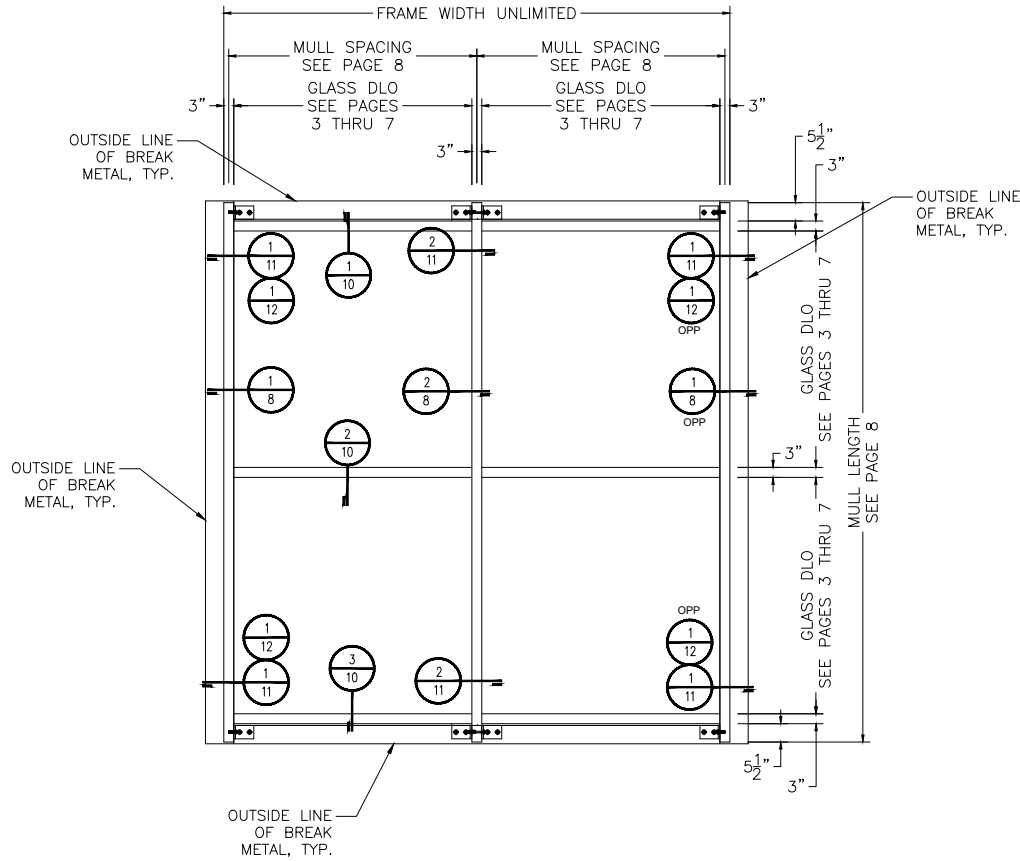
FAX (954) 971-6614

DRAWING TITLE:
PGC-788 SKYLIGHT SYSTEM

DWG. #
PGC-788 SKYLIGHT

PAGE NO.
1 / 14

PAGE TITLE:
COVER



ELEVATION



PERSPECTIVE
GLASS COMPANY

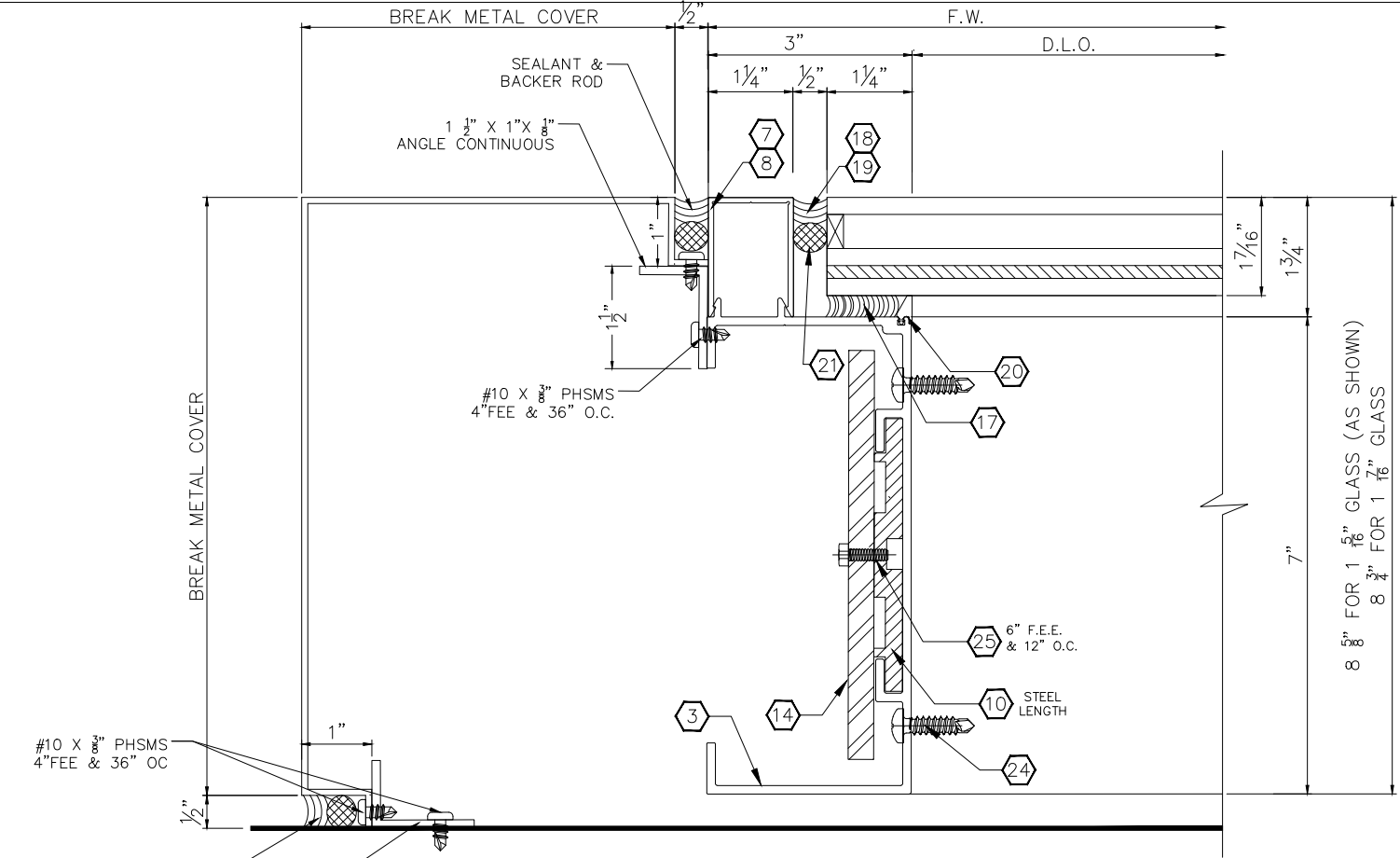
Glazing Contractors
750 SW 14TH AVENUE
POMPANO BEACH, FL 33069
PH: (954) 773-9714
FAX (954) 971-6614

DRAWING TITLE: PGC-788 SKYLIGHT SYSTEM	
DWG. # PGC-788 SKYLIGHT	PAGE NO. 2 / 14
PAGE TITLE: ELEVATION	

SCALE: NTS		REVISIONS:
DRAWN BY: KL	DATE: 06/23/25	

SEAL:
OFFICIAL SEAL OF THE PROFESSIONAL ENGINEER
STATE OF FLORIDA
No 69316
CRISTOPHER STANTON
L I C E N S E D

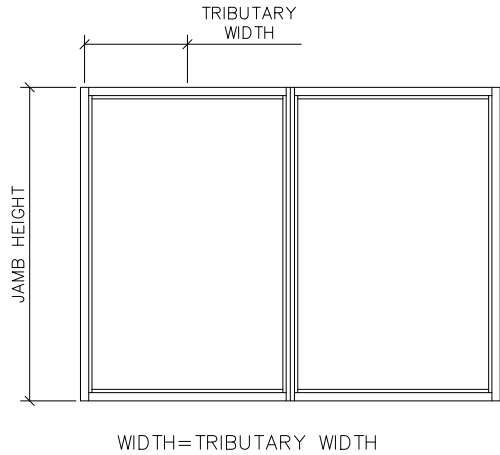
ENGINEER:
STANTON ENGINEERING, INC.
STRUCTURAL ENGINEER
SERVICES
564 N.W. BROWNING
BOCA RATON, FL 33433
BOCA RATON, FL 33433
TEL: (561) 393-1003
FAX: (561) 393-1008



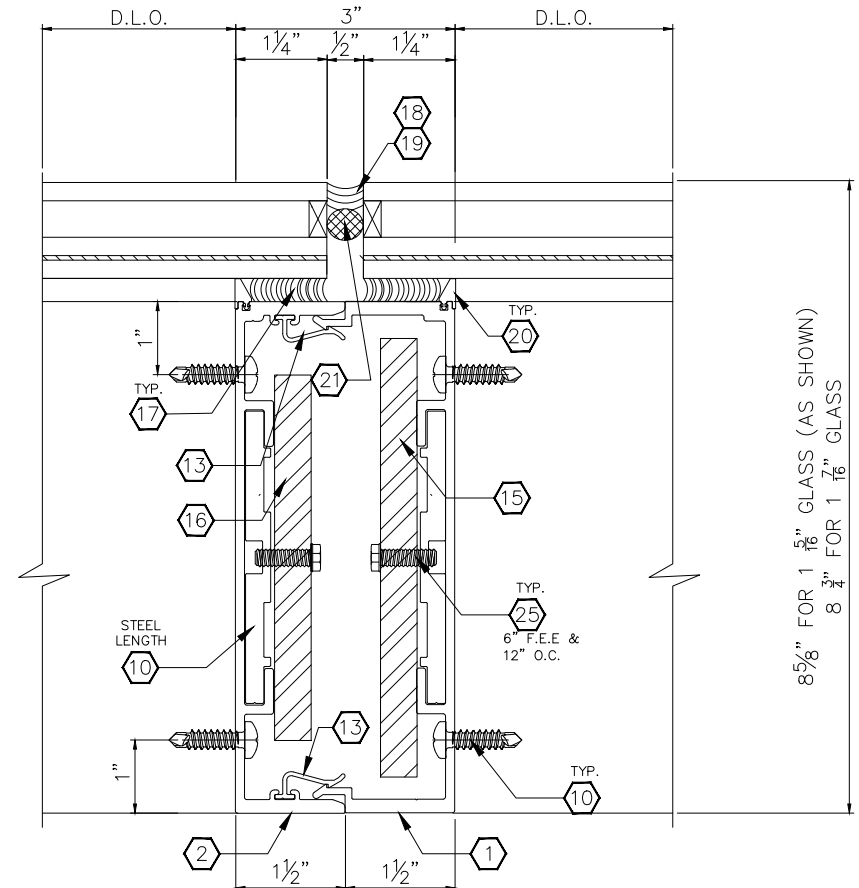
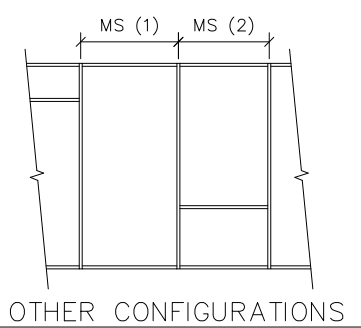
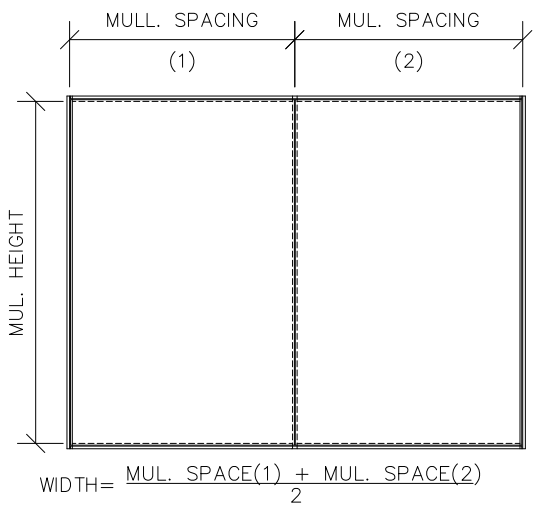
1 REINFORCED JAMB DETAIL
8 W/ STEEL REINFORCEMENT TYPE 1
3/8" X 6" FLAT BAR
STL. LENGTH = MULL. LENGTH

MULLION PROPERTIES		
PART	Ixx(in ⁴)	Sxx(in ³)
PGC-7882	15.229	4.169
3/8" X 6" STEEL	6.75x2.9=19.57(AL)	2.25

NOTE:
SEALANT AT JAMB GAPS
SHALL BE DESIGNED TO MEET
PROJECT SPECIFIC DESIGN
CRITERIA BASED ON
MANUFACTURER TECHNICAL
DATA/ RECOMMENDATIONS.

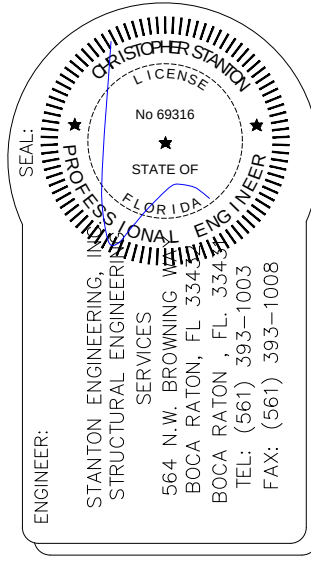


JAMB CHART				MULLION CHART			
FRAME DIMENSIONS		AVAILABLE DESIGN PRESSURE		FRAME DIMENSIONS		AVAILABLE DESIGN PRESSURE	
HEIGHT	WIDTH	+	-	HEIGHT	WIDTH	+	-
114	52	20	103	114	105	20	103
120	50	20	103	120	100	20	103
126	47	20	103	126	95	20	103
132	45	20	103	132	91	20	103
138	43	20	103	138	87	20	103
144	41	20	103	144	83	20	103
150	40	20	103	150	80	20	103
156	38	20	103	156	77	20	103
162	37.25	20	103	162	74.5	20	103



2 INT. VERTICAL MULLION DETAIL
8 W/ STEEL REINFORCEMENT TYPE 2 & 3
1/2"X5" & 1/2"X 6" STEEL FLAT BAR
STL. LENGTH = MULL. LENGTH

MULLION PROPERTIES		
PART	Ixx(in ⁴)	Sxx(in ³)
PGC-7880	11.694	3.326
PGC-7881	10.735	3.060
1/2" X 5" STEEL	5.29x2.9=15.08(AL)	2.083
1/2" X 6" STEEL	9.00x2.9=26.10(AL)	3.000

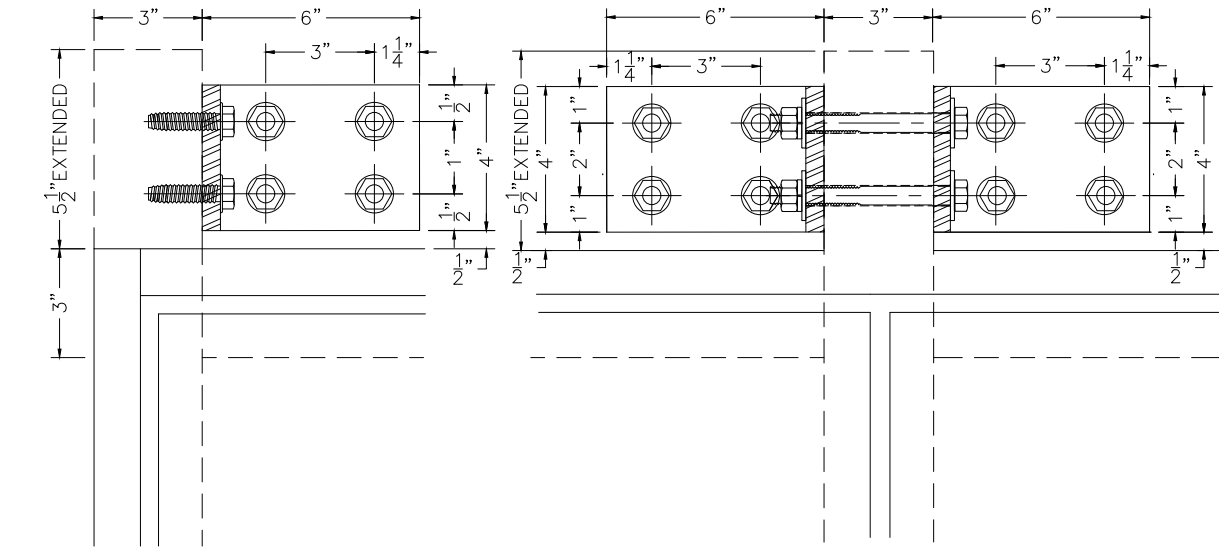


REVISIONS:		
SCALE:	NTS	DRAWN BY:
		KL
		DATE:
		06/23/25

**PERSPECTIVE
GLASS COMPANY**

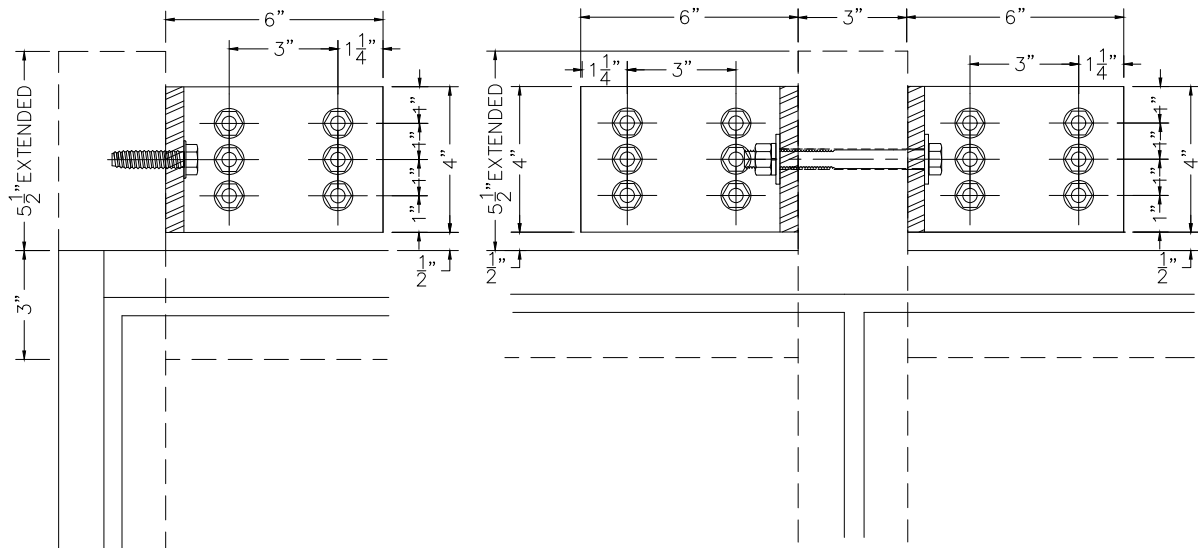
Glazing Contractors
750 SW 14TH AVENUE
POMPANO BEACH, FL 33069
PH: (954) 773-9714
FAX (954) 971-6614

DRAWING TITLE: PGC-788 SKYLIGHT SYSTEM	DWG. # PGC-788 SKYLIGHT	PAGE NO. 8/14
PAGE TITLE: MULLIONS		



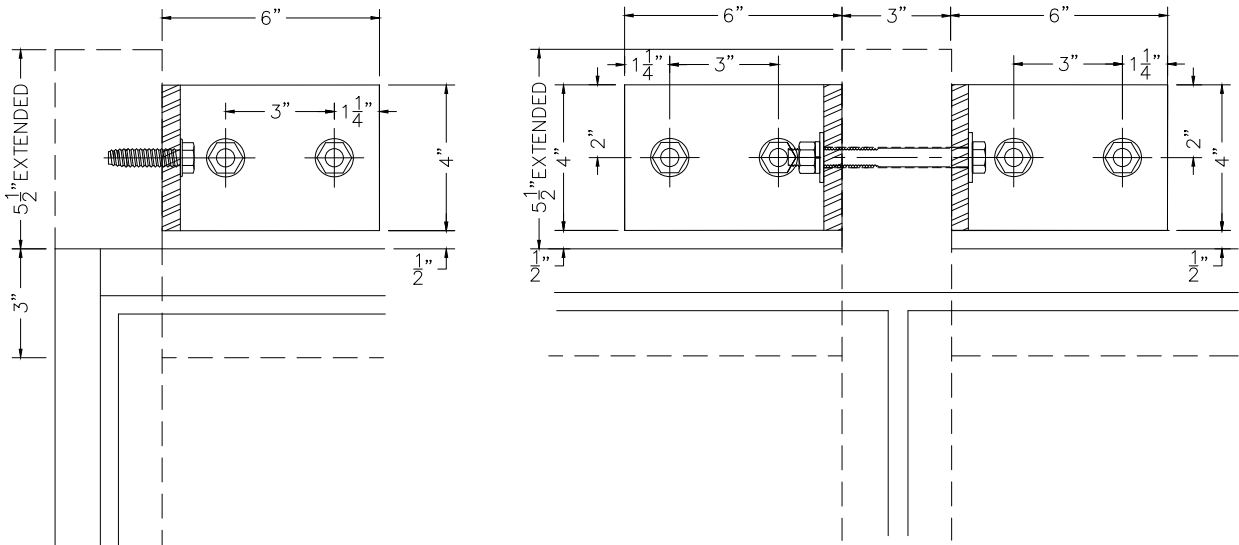
HEAD/SILL(OPP.)
ANCHOR TYPE A IN WOOD
ANCHOR TYPE B IN
ALUMINUM OR STEEL
(4) AT JAMB

INT. VERTICAL
ANCHOR TYPE A IN WOOD
ANCHOR TYPE B IN
ALUMINUM OR STEEL
(8) AT VERTICAL



HEAD/SILL(OPP.)
ANCHOR TYPE A IN WOOD
(6) AT JAMB
OR
(5) AT JAMB

INT. VERTICAL
ANCHOR TYPE A
(12) AT VERTICAL
OR
(10) AT VERTICAL



HEAD/SILL(OPP.)
ANCHOR B1 IN ALUMINUM OR STEEL
ANCHOR TYPE C IN CONCRETE
(2) AT JAMB

INT. VERTICAL
ANCHOR B1 IN ALUMINUM OR STEEL
ANCHOR TYPE C IN CONCRETE
(4) AT VERTICAL

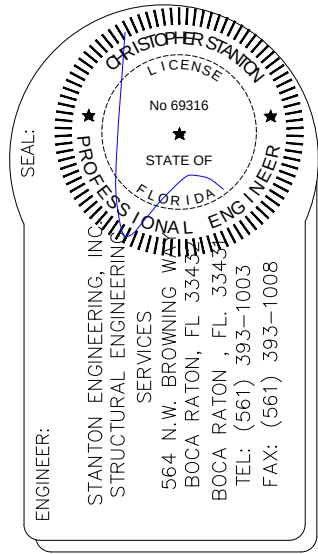
WOOD BUCKS AND METAL STRUCTURE NOT BY PGC. WOOD BUCKS MUST BE PROPERLY ATTACHED TO SUBSTRATE, TO TRANSFER LOADS IMPOSED BY GLAZING SYSTEM TO THE BUILDING STRUCTURE.

PERIMETER FASTENER CHART							
FRAME DIMENSIONS		ALLOWABLE DESIGN PRESSURE-PSF					
		TYPE A	TYPE A	TYPE A	TYPE B	TYPE B1	TYPE C
		(4) AT JAMB	(5) AT JAMB	(6) AT JAMB	(4) AT JAMB	(2) AT JAMB	(2) AT JAMB
		(8) AT VERTICAL	(10) AT VERTICAL	(12) AT VERTICAL	(8) AT VERTICAL	(4) AT VERTICAL	(4) AT VERTICAL
HEIGHT	WIDTH	WOOD	WOOD	WOOD	1/4 ALUM. 1/4 STEEL	1/4 ALUM. 1/4 STEEL	CONCRETE
162"	74 1/2"	-69.1	-86.4	-103.7	-103	-103	-103

NOTE: CHART REPRESENTS PRE-QUALIFIED ANCHOR CONDITIONS. REFER TO ENGINEERED CALCULATIONS FOR PROJECT SPECIFIC CONDITIONS.

TYPICAL ANCHORS

- TYPE A: 5/16" HEX HEAD DEWALT ULTRA CONS INTO WOOD (S.G. = 0.55 MIN) WITH 1 1/2" EMBEDMENT, 1 9/16" EDGE DISTANCE.
- TYPE B: 1/4-20 S.M.S. INTO 1/4" ALUMINUM (6063-T6 MIN.) OR 1/4" STEEL WITH FULL EMBEDMENT AND 3/4" EDGE DISTANCE.
- TYPE B1: 1/2-13 HEX HEAD DEWALT TAP-FLEX INTO 1/4" ALUMINUM (6063-T6 MIN.) OR 1/4" STEEL WITH FULL EMBEDMENT AND 3/4" EDGE DISTANCE.
- TYPE C: 1/2 DEWALT SCREW/BOLT DIRECTLY INTO CONCRETE (3000 psi MIN.) OR THRU WOOD BUCK INTO CONCRETE WITH 4 1/4" EMBEDMENT AND 4" EDGE DISTANCE.



REVISIONS:

SCALE:

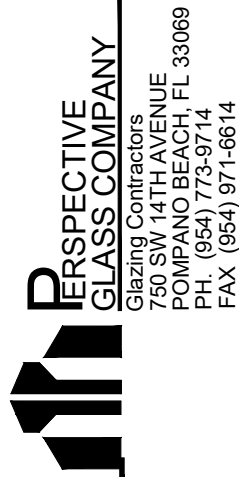
NTS

DRAWN BY:

KL

DATE:

06/23/25

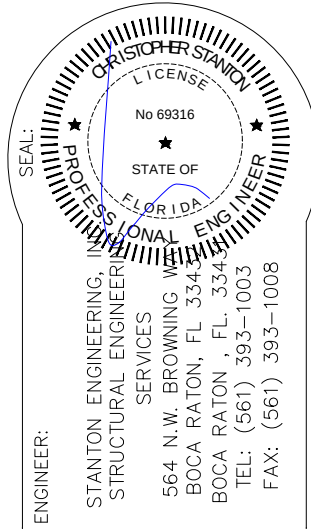
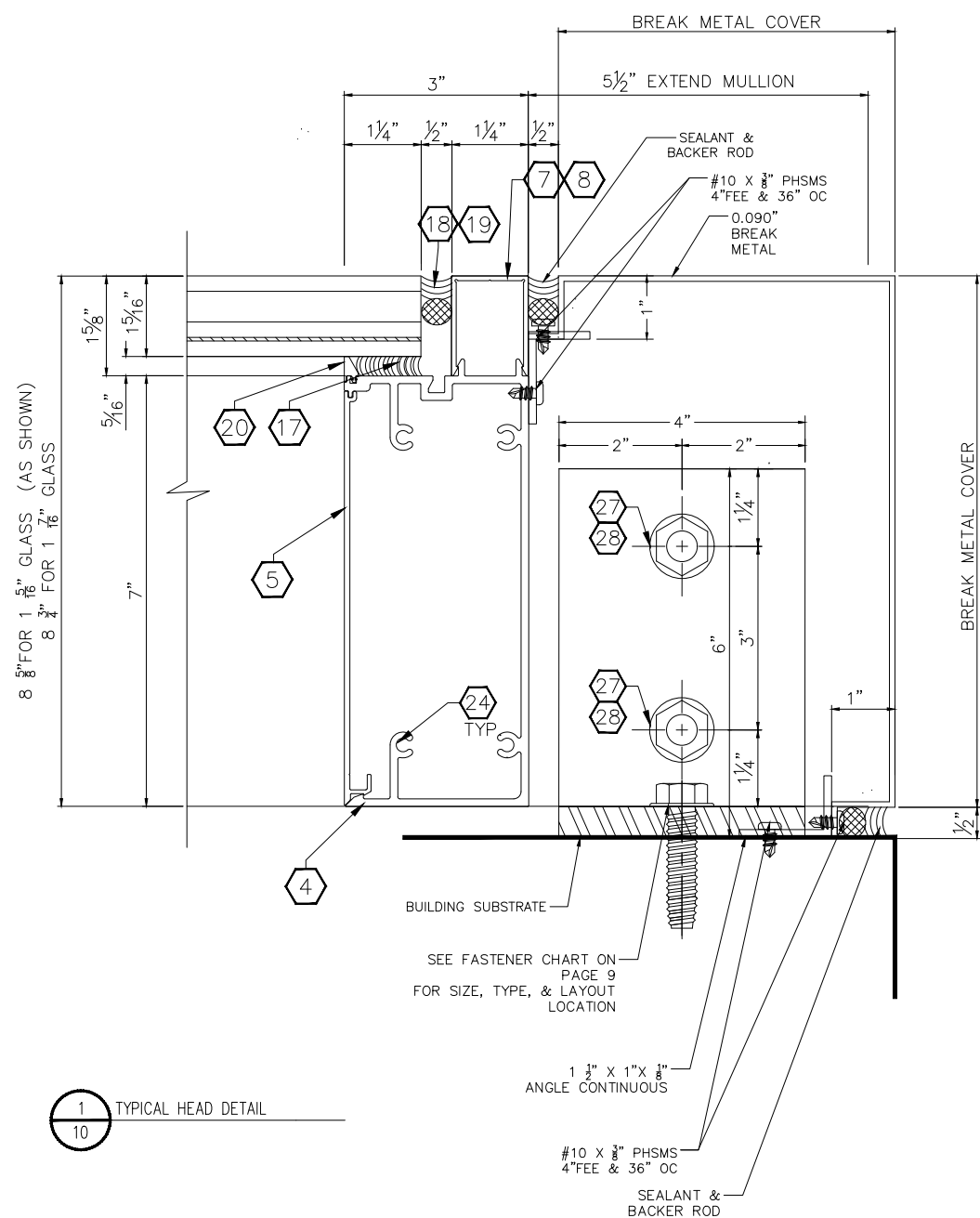
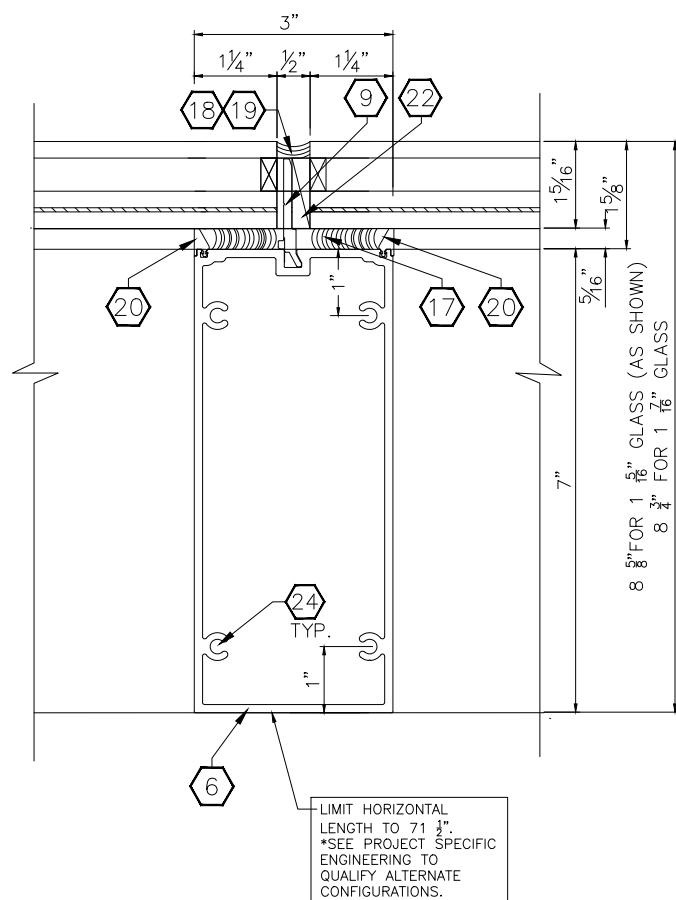
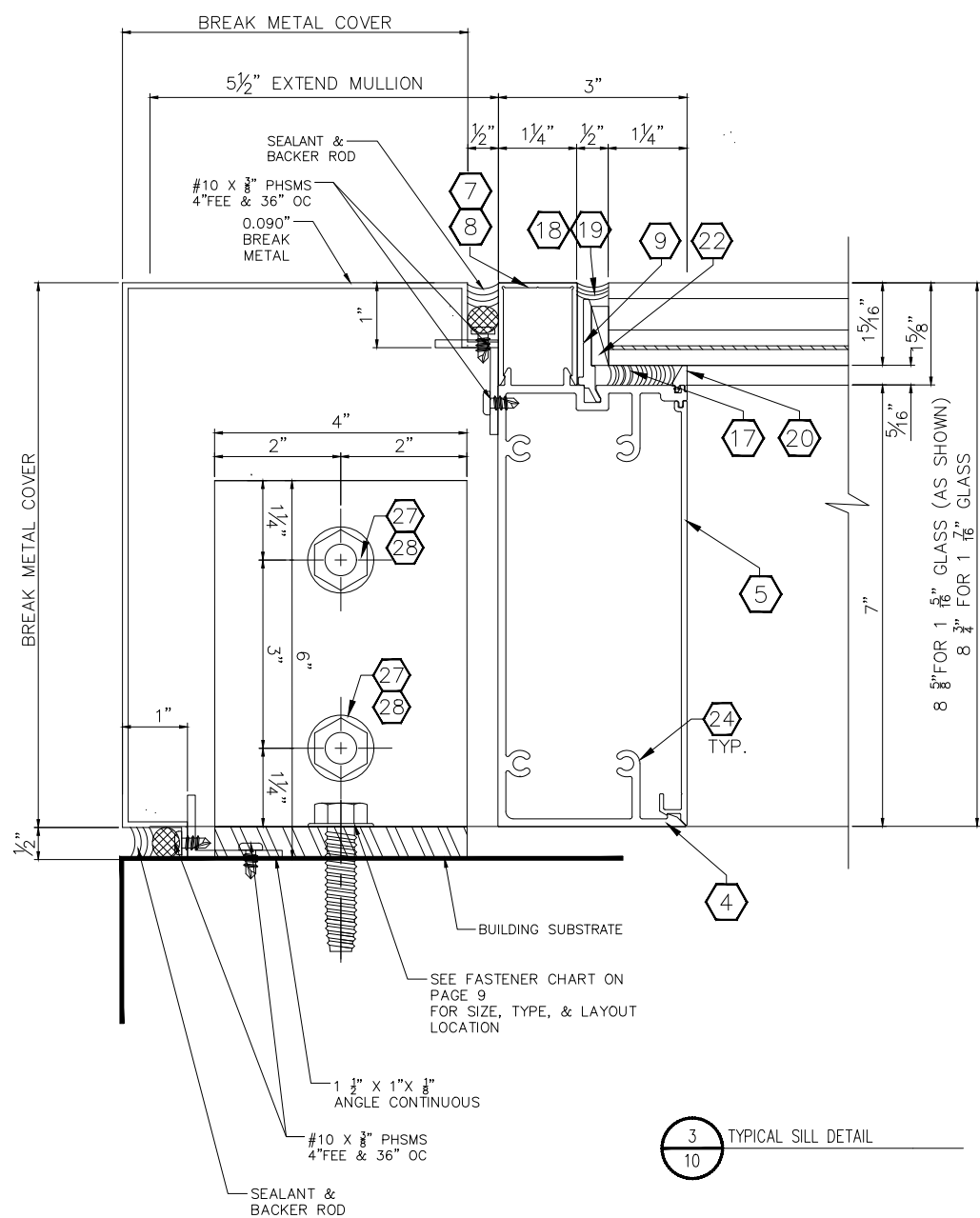


DRAWING TITLE:
PGC-788 SKYLIGHT SYSTEM

DWG. #
PGC-788 SKYLIGHT

PAGE TITLE:
FASTENERS

PAGE NO.
9/14



REVISIONS:

SCALE:

SIN

DRAWN BY:

DATE: 06/23/25

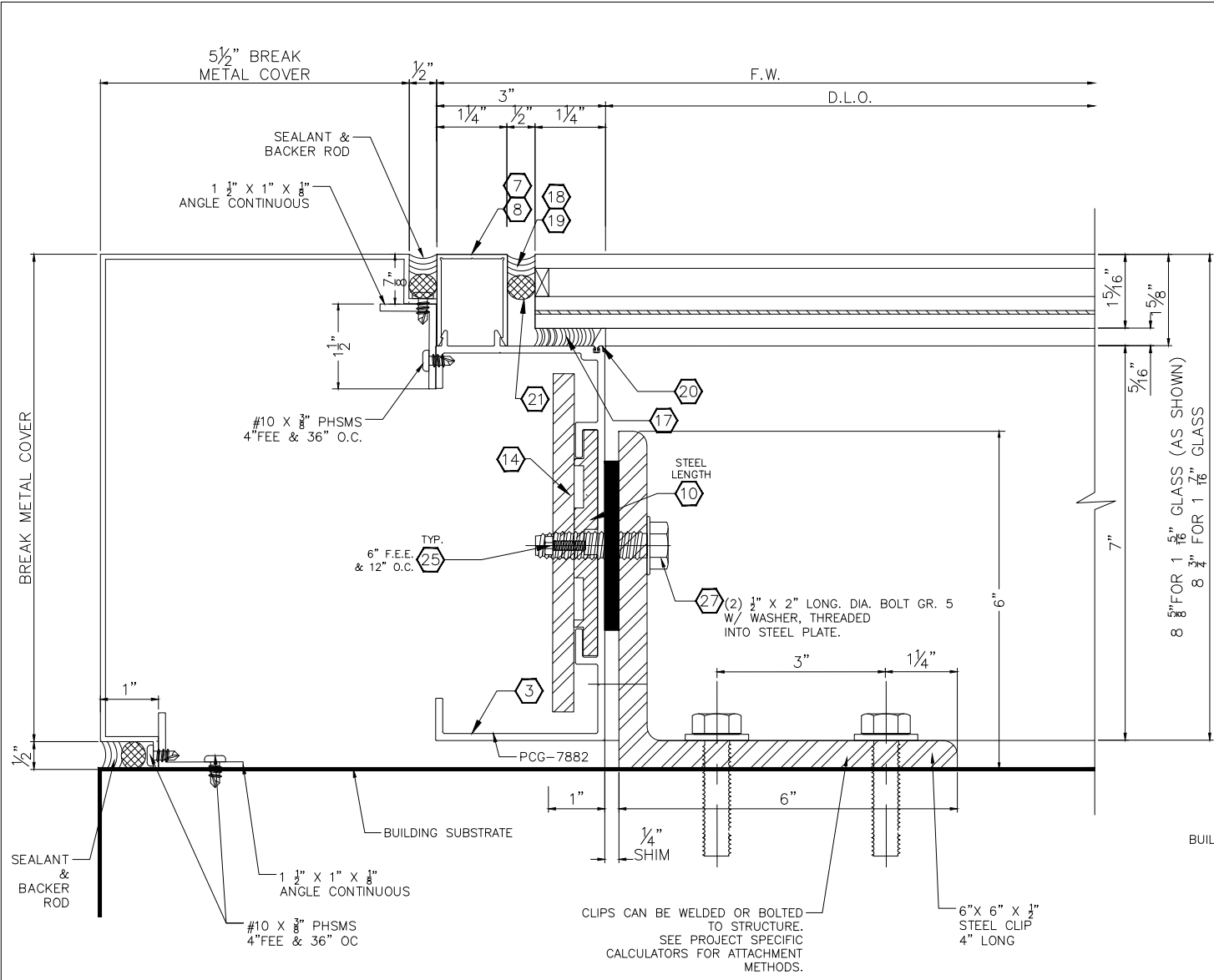


Glazing Contractors
7750 SW 14TH AVENUE
POMPANO BEACH, FL 33069
PH. (954) 773-9714
FAX (954) 971-6614

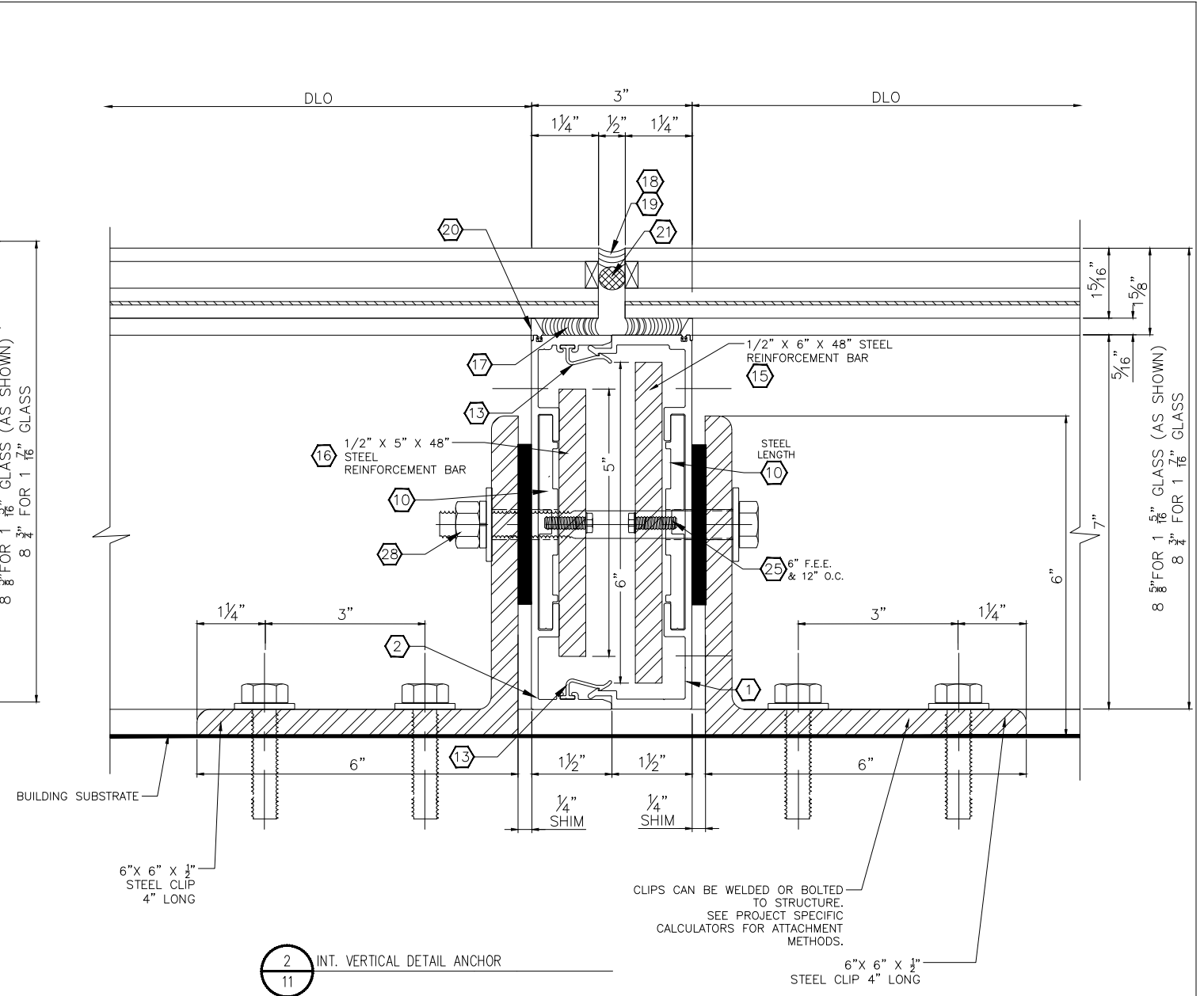
DRAWING TITLE:
PGC-788 SKYLIGHT SYSTEM

DWG. # PGC-788 SKYLIGHT

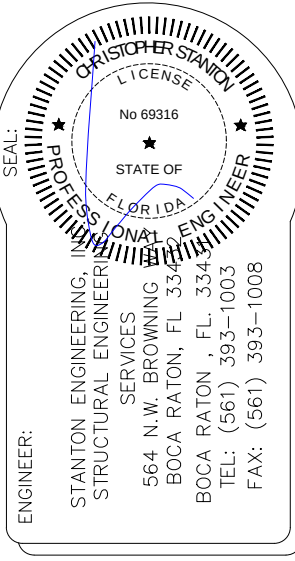
PAGE TITLE: MOUNT	PAGE NO. 10/14
----------------------	-------------------



1 JAMB DETAIL ANCHOR
11



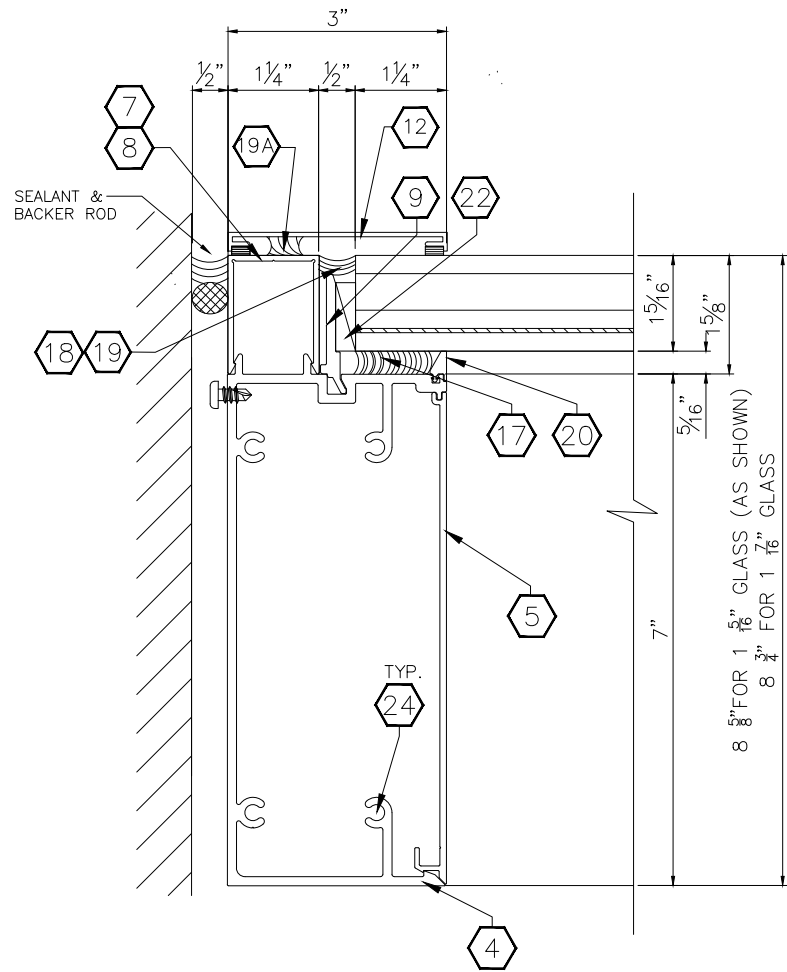
2 INT. VERTICAL DETAIL ANCHOR
11



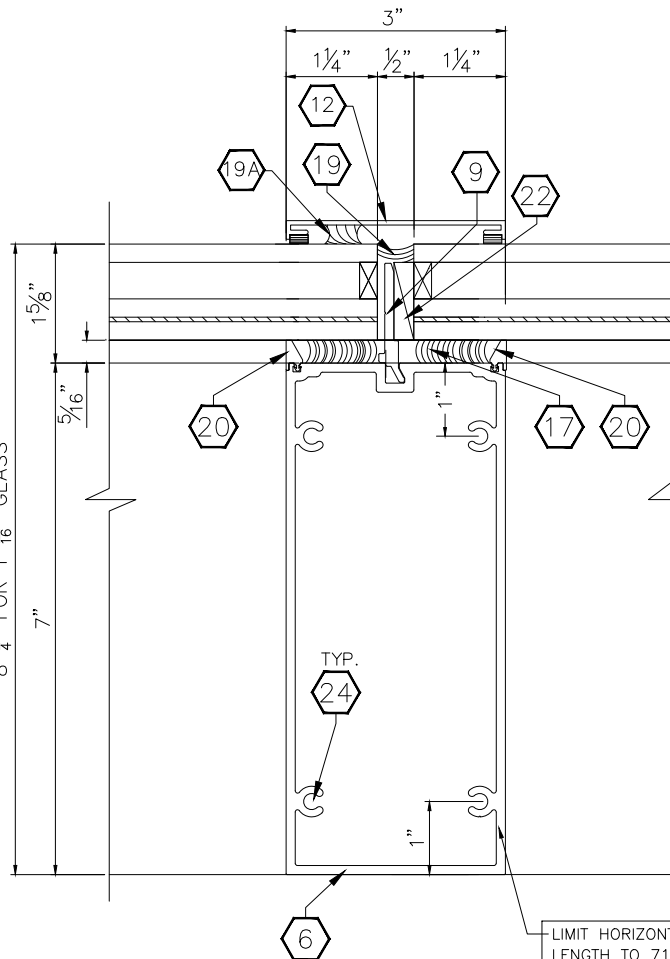
REVISIONS:		
SCALE:	NTS	
DRAWN BY:	KL	
DATE:	06/23/25	

**PERSPECTIVE GLASS COMPANY**
Glazing Contractors
750 SW 14TH AVENUE
POMPANO BEACH, FL 33069
PH: (954) 773-9714
FAX (954) 971-6614

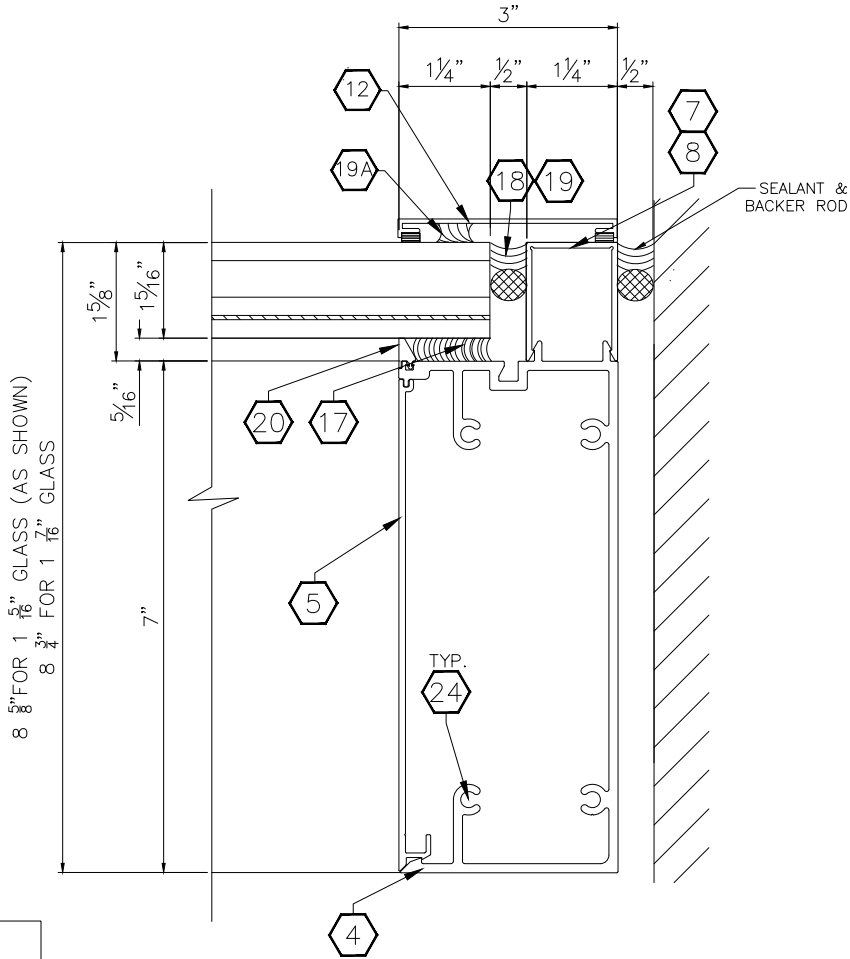
DRAWING TITLE: PGC-788 SKYLIGHT SYSTEM		PAGE NO. 11 / 14
DWG. #	PGC-788 SKYLIGHT	
PAGE TITLE: MOUNT-DETAIL		



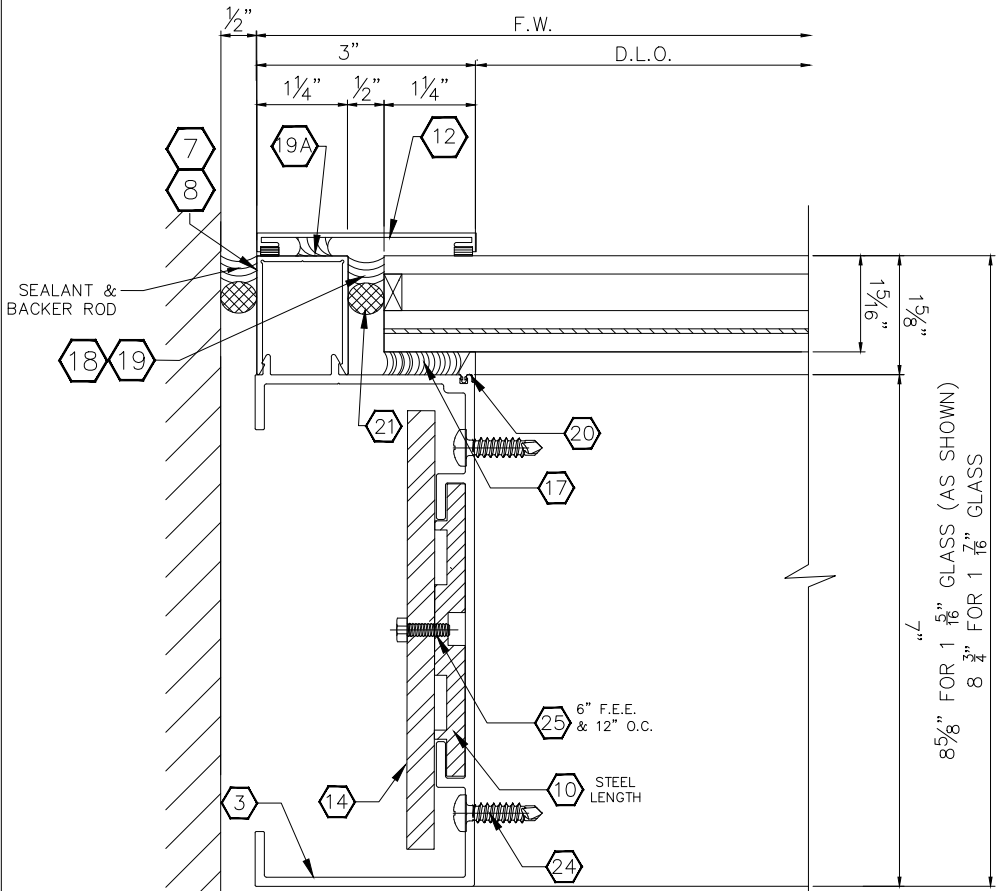
1 HEAD DETAIL
12 W/ EXTERIOR COVER



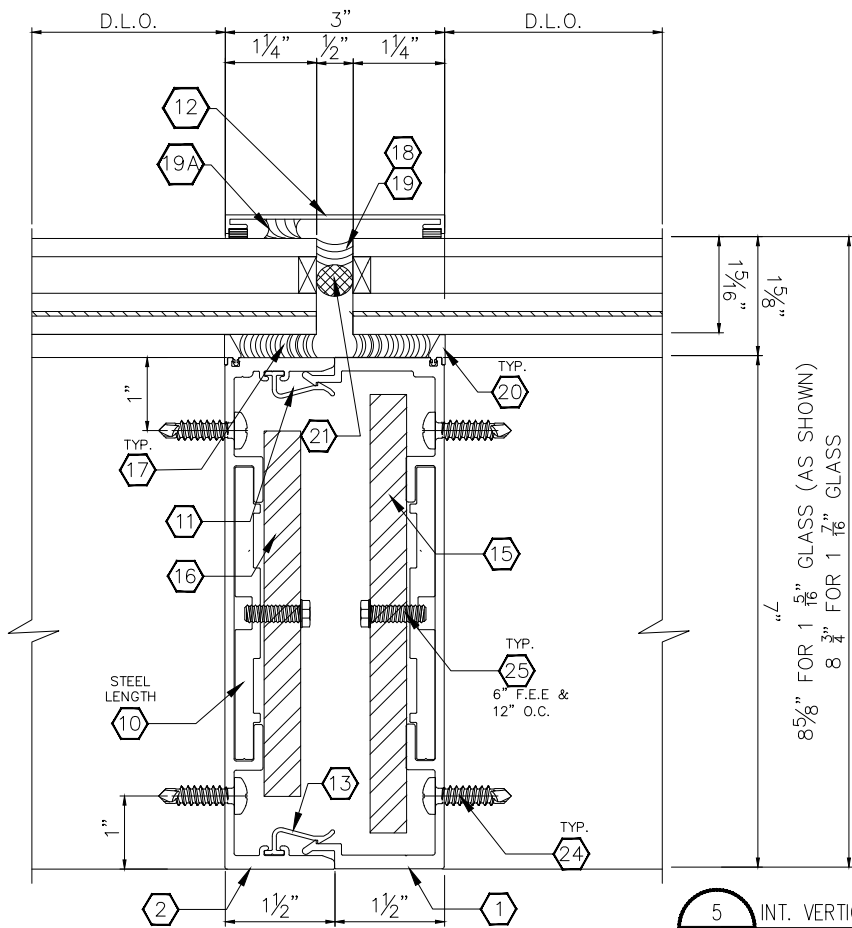
2 INT. HORIZONTAL DETAIL
12 W/ EXTERIOR COVER



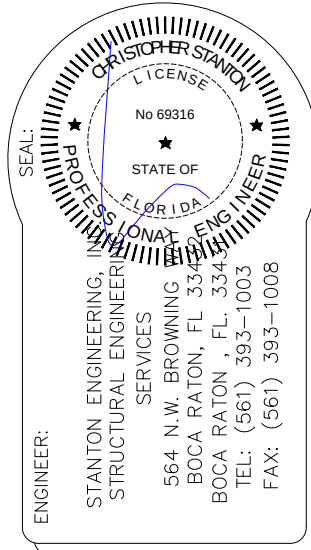
3 SILL DETAIL
12 W/ EXTERIOR COVER



4 JAMB DETAIL
12 W/ EXTERIOR COVER



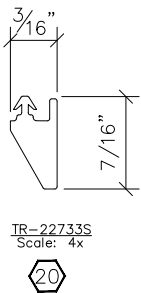
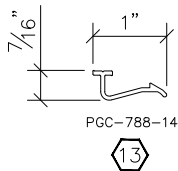
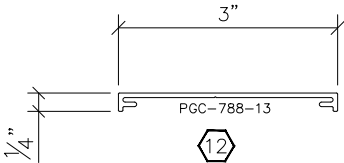
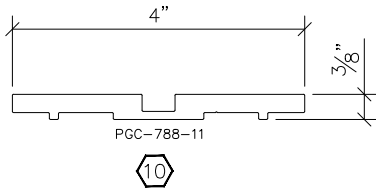
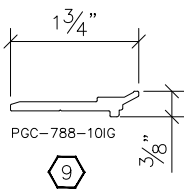
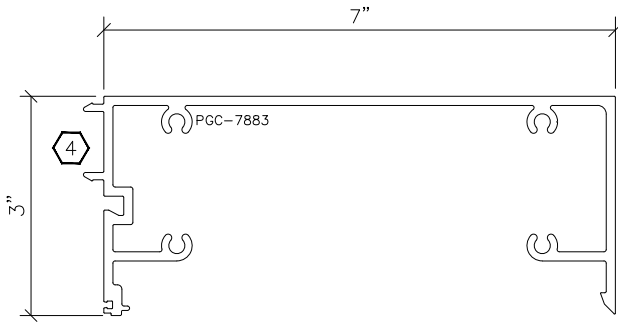
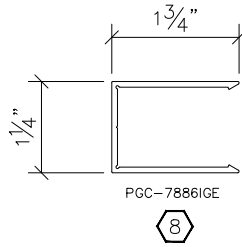
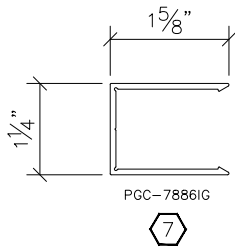
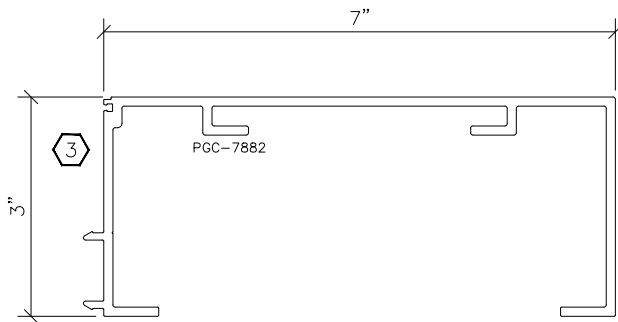
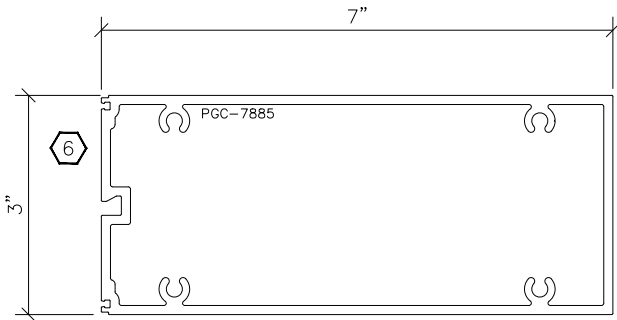
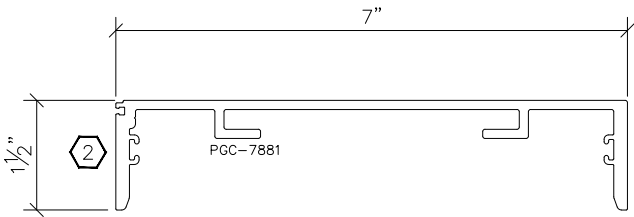
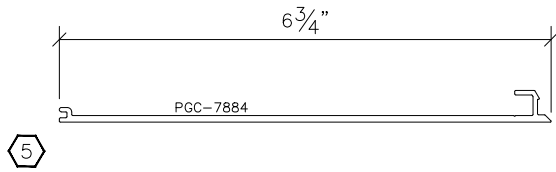
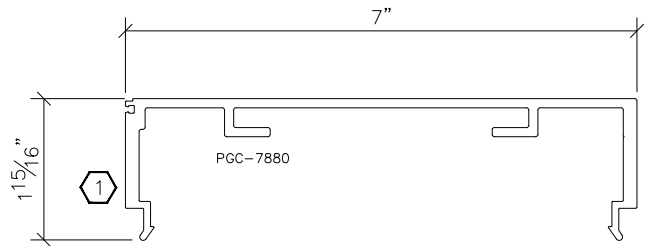
5 INT. VERTICAL MULLION DETAIL
12 W/ EXTERIOR COVER



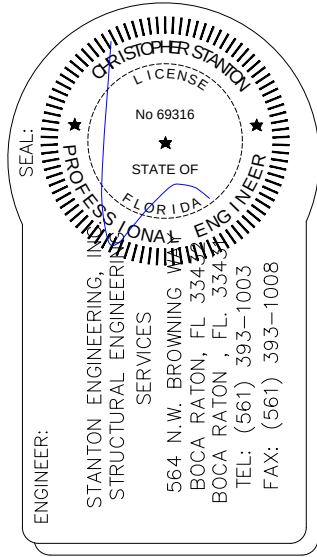
REVISIONS:		
SCALE:	DRAWN BY:	DATE:
NTS	KL	06/23/25

PERSPECTIVE GLASS COMPANY
Glazing Contractors
750 SW 14TH AVENUE
POMPANO BEACH, FL 33069
PH: (954) 773-9714
FAX (954) 971-6614

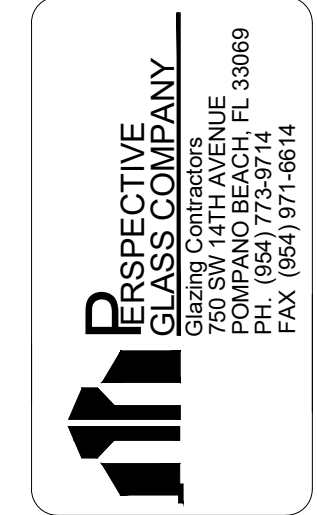
DRAWING TITLE: PGC-788 SKYLIGHT SYSTEM		
DWG. #	PGC-788 SKYLIGHT	
PAGE TITLE:	OPTIONAL COVER	
	PAGE NO.	12/14



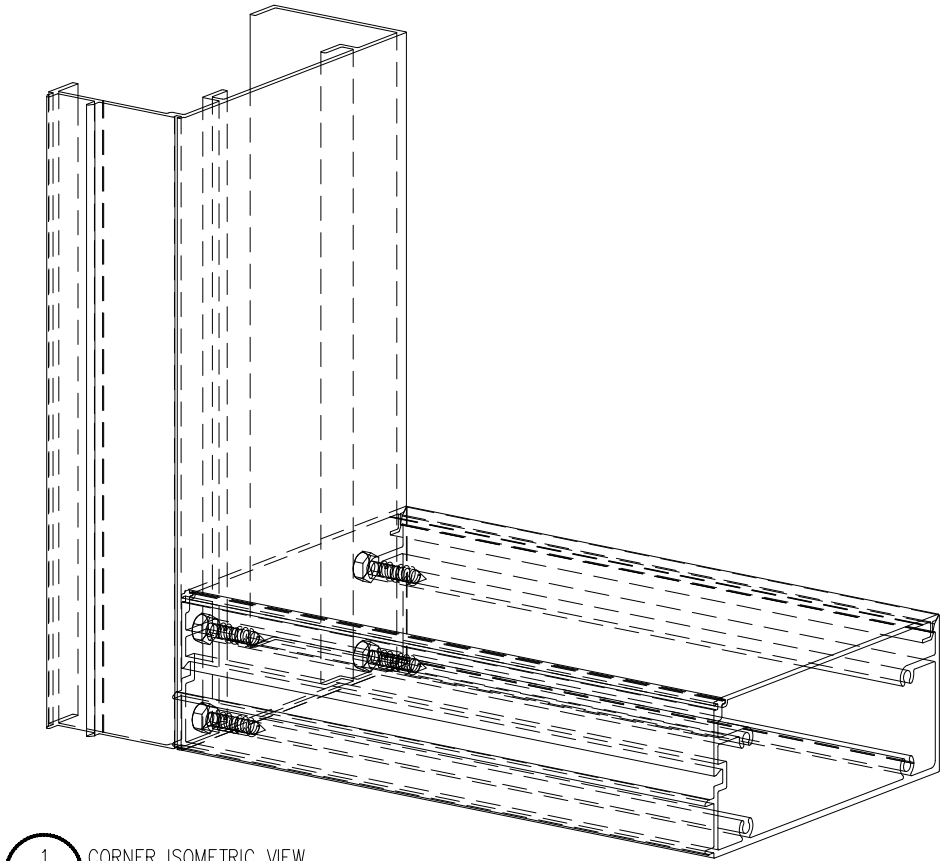
TR-22733S
Scale: 4x



SCALE:		REVISIONS:	
NTS			
DRAWN BY:			
KL			
DATE:			
06/23/25			



DRAWING TITLE:		PAGE NO.	
PGC-788 SKYLIGHT SYSTEM		13/14	
DWG. #			
PGC-788 SKYLIGHT			
PAGE TITLE:			
EXTRUSIONS			



MATERIALS				
ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MFGR./SUPPLIER/REMARKS
1	PGC-7880	MALE VERTICAL MULLION	6063-T6	PERSPECTIVE GLASS CO.
2	PGC-7881	FEMALE VERTICAL MULLION	6063-T6	PERSPECTIVE GLASS CO.
3	PGC-7882	JAMB	6063-T6	PERSPECTIVE GLASS CO.
4	PGC-7883	HEAD, SILL	6063-T6	PERSPECTIVE GLASS CO.
5	PGC-7884	HEAD, SILL POCKET FILLER	6063-T6	PERSPECTIVE GLASS CO.
6	PGC-7885	HORIZONTAL	6063-T6	PERSPECTIVE GLASS CO.
7	PGC-7886IG	PERIMETER TRIM COVER FOR 1 5/16 GLASS	6063-T6	PERSPECTIVE GLASS CO.
8	PGC-7886IGE	PERIMETER TRIM COVER FOR 1 7/16 GLASS	6063-T6	PERSPECTIVE GLASS CO.
9	PGC-788-10IG	SETTING BLOCK CHAIR	6063-T6	PERSPECTIVE GLASS CO.
10	PGC-788-11	REINFORCEMENT BAR	6063-T6	PERSPECTIVE GLASS CO.
11	PGC-788-12M	ANCHOR CLIP 1/4" X 2" X 6 1/2"	6063-T6	PERSPECTIVE GLASS CO.
12	PGC-788-13	OUTSIDE COVER	6063-T6	PERSPECTIVE GLASS CO.
13	PGC-788-14	ANTI-BUCKLING CLIP	6063-T6	PERSPECTIVE GLASS CO.
14	TYPE 1	3/8" X 6" STEEL FLAT BAR	A529 OR A572 GRADE 51	W/ SHOP PRIMER
15	TYPE 2	1/2" X 6" STEEL FLAT BAR	A529 OR A572 GRADE 52	W/ SHOP PRIMER
16	TYPE 3	1/2" X 5" STEEL FLAT BAR	A529 OR A572 GRADE 53	W/ SHOP PRIMER
17	983	STRUCTURAL SILICONE	SILICONE	DOWSIL
18	SPECTRUM II	WEATHER SEAL	SILICONE	TREMCO
19	790	WEATHER SEAL	SILICONE	DOWSIL
19A	995	STRUCTURAL SILICONE	SILICONE	DOWSIL
20	TR-22733S	GASKET	80 DURO SILICONE	TREMCO
21		OPEN CELL BACKER ROD	POLYETHYLENE	TUNDRA
22	SETTING BLOCK	SETTING BLOCK 3/16" X 4"	80D HARD RUBBER OR SILICONE	
23	SHIM	SHIM	PLASTIC	
24	FASTENER	#14 X 1 1/4" HWH SMS (1" IN SPLINE)		
25	FASTENER	1/4-20 X 3/4" HWH MS		6"F.E.E. & 12" O.C.
26	FASTENER	#10 X 3/8" PH SMS		
27	FASTENER	1/2" X 2" BOLT GRADE 5		
28	FASTENER	1/2" THRU BOLT GRADE 5 ANCHOR AT CLIPS		
29	ANCHOR	5/16 DEWALT ULTRA CON		
30	ANCHOR	1/4-20 SMS		
31	ANCHOR	3/8-16 DEWALT TAP-FLEX		
32	ANCHOR	3/8 DEWALT SCREW BOLT		

PERSPECTIVE GLASS COMPANY

Glazing Contractors

750 SW 14TH AVENUE

POMPANO BEACH, FL 33069

PH: (954) 773-9714

FAX (954) 971-6614

SCALE: NTS

DRAWN BY: KL

DATE: 06/23/25

REVISIONS:

DRAWING TITLE: PGC-788 SKYLIGHT SYSTEM

DWG. # PGC-788 SKYLIGHT

PAGE TITLE: MATERIALS

PAGE NO. 14/14

ENGINEER: STANTON ENGINEERING, INC. STRUCTURAL ENGINEER SERVICES

SEAL: PROFESSIONAL ENGINEER

CRISTOPHER STANTON LICENSE No 69316 STATE OF FLORIDA

564 N.W. BROWNING WAY BOCA RATON, FL 33433 TEL: (561) 393-1003 FAX: (561) 393-1008