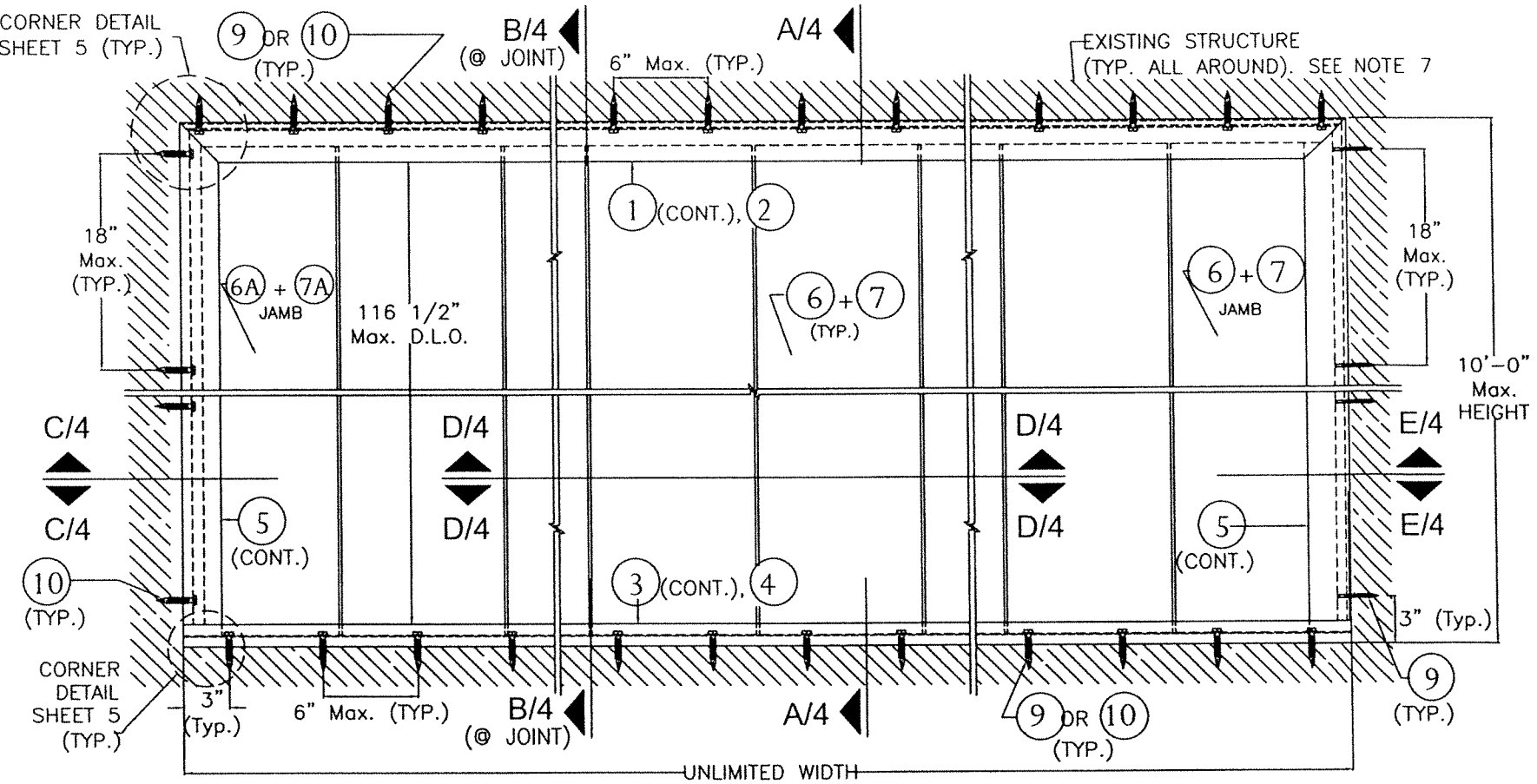


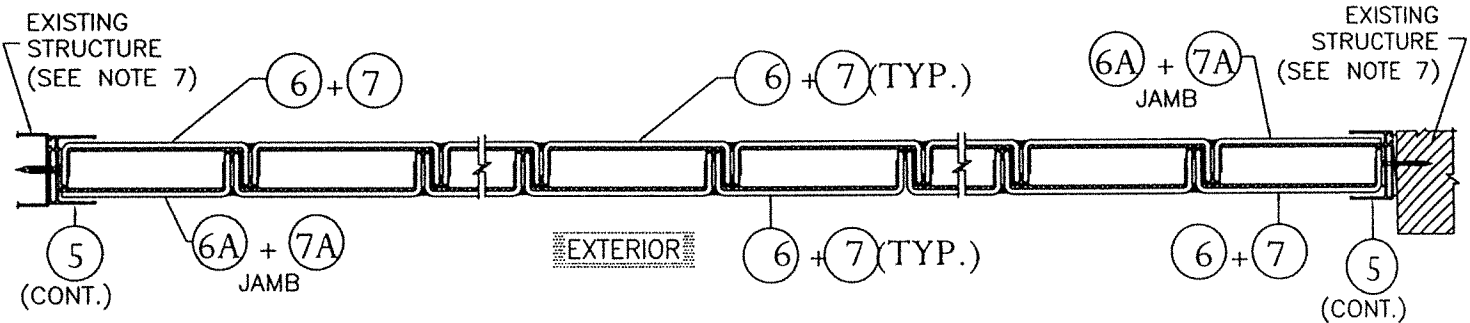
GENERAL NOTES AND SPECIFICATIONS:

1. PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM, SHOWN ON THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) HAS BEEN VERIFIED FOR COMPLIANCE IN ACCORDANCE WITH THE 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE. PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (MIAMI-DADE/BROWARD COUNTIES) AND NON HIGH VELOCITY HURRICANE ZONES. DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 (FOR HIGH VELOCITY HURRICANE ZONES) AND 1609 (FOR NON HIGH VELOCITY HURRICANE ZONES) OF THE ABOVE MENTIONED CODE, FOR A BASIC WIND SPEED AS REQUIRED BY THE JURISDICTION WHERE PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM WILL BE INSTALLED, AND FOR A DIRECTIONALITY FACTOR $K_d=0.85$, USING ASCE 7-22 & SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS SHEET.
- IN ORDER TO VERIFY THE ABOVE CONDITION, ULTIMATE DESIGN WIND LOADS DETERMINED PER ASCE 7-22 SHALL BE FIRST REDUCED TO A.S.D. DESIGN WIND LOADS BY MULTIPLYING THEM BY 0.6 IN ORDER TO COMPARE THESE W/ MAX. (A.S.D.) DESIGN PRESSURE RATING INDICATED ON THIS SHEET.
- IN ORDER TO VERIFY THAT COMPONENTS AND ANCHORS ON THIS P.E.D. AS TESTED WERE NOT OVER STRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.
- THIS PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 AND 1609.1.2 & AAMA 501 (PER SECTION 2411.3.2.1.1) OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203 AS PER FENESTRATION TESTING LAB REPORT # 4421 AND GLASS VERIFIED PER ASTM E-1300, PER SECTION 2404.1 OF DE FLORIDA BUILDING CODE STRUCTURAL CALCULATIONS, PERFORMED AS PER SUBMITTED STRUCTURAL CALCULATIONS PER SECTIONS 1616 & 1604 OF THE FLORIDA BUILDING CODE.
- THIS PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM IS ALSO APPROVED FOR WATER AND AIR INFILTRATION AS PER TAS-202, AND AS PER SECTION 1609.1.2 OF THE FLORIDA BUILDING CODE.
2. ALL ALUMINUM EXTRUSIONS SHALL BE ALUMINUM ASSOCIATION 6063-T5 ALLOY AND TEMPER (UNLESS OTHERWISE NOTED), PER ASTM B221, WITH $F_y = 16.0$ ksi MINIMUM. THE THICKNESS OF ALL EXTRUSIONS SHALL BE AS SHOWN ON THIS DRAWING.
3. ALL ALUMINUM IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.
4. ALL INTERNAL SCREWS USED FOR ASSEMBLY AT HEAD, SILL AND FRAME JAMBS CONNECTIONS (METAL TO METAL) TO BE AISI STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH MINIMUM 50 KSI YIELD STRENGTH AND 90 KSI TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
5. ANCHORS NOTES: ANCHORS TO WALL SHALL BE AS FOLLOWS:
- (A) TO EXISTING POURED CONCRETE: (Min. $f'_c = 2700$ psi)
- $1/4"$ ULTRACON CONCRETE ANCHORS W/ $1\ 3/4"$ Min. EMBEDMENT BEYOND ANY WALL/SLAB FINISH MATERIAL & Min. 3" EDGE DISTANCE, AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS.
- (B) TO EXISTING CONCRETE BLOCK WALL: (Min. ASTM C-90 UNIT)
- $1/4"$ ULTRACON CONCRETE ANCHORS W/ $1\ 1/4"$ Min. EMBEDMENT BEYOND ANY WALL/SLAB FINISH MATERIAL & Min. 3" EDGE DISTANCE, AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS.
- (C) TO EXISTING ALUMINUM (6063-T5 ALLOY) OR STEEL ($F_y = 33$ ksi); AND $1/8"$ Min. THICK:
- $1/4" \times 2"$ TEK SCREWS & Min. 1" EDGE DISTANCE AS MANUFACTURED BY I.T.W. BUILDEX.
6. ANCHORS SHALL BE INSTALLED FOLLOWING ALL OF THE RECOMMENDATIONS AND SPECIFICATIONS OF THE ANCHOR'S MANUFACTURER.
7. PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM INSTALLATION SHALL ONLY BE PERFORMED INTO EXISTING STRUCTURE CONSISTING OF POURED CONCRETE, CONCRETE BLOCK WALL, $1/8"$ Min. THICK ALUMINUM OR STEEL FRAME STRUCTURE AND SHALL COMPLY WITH SECTION 2406 OF THE FLORIDA BUILDING CODE AND WITH SPECS INDICATED IN THIS DRAWING PLUS ANY BUILDING AND ZONING REGULATIONS PROVIDED BY THE JURISDICTION WHERE PERMIT IS APPLIED TO.
8. PROVIDE $1/4"$ MAX. BEARING SHIM SPACE (TYP.).
9. THIS PILKINGTON PROFILIT GLAZING SYSTEM WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.
10. PROVIDE DOW 795 SEALANT (TYP.) AT ALL FRAME AND GLASS JOINTS.
11. REMAINING COMPONENTS FOR THIS PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS, SHEET 3 OF THIS DRAWING.
12. THIS SYSTEM IS PATENT PENDING. COMPONENTS OF THIS APPROVAL ARE COVERED, IN WHOLE OR IN PART BY U.S. PATENT ISSUED TO TECHNICAL GLASS PRODUCTS.
13. (a) THIS P.E.D. PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- (b) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT, BASED ON THIS P.E.D., PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c) THIS P.E.D. WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS DELEGATED ENGINEER TO THE P.E.D. ENGINEER, SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
14. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION. IN ACCORDANCE WITH SECTION 1709.5 OF FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.



TYPICAL EXTERIOR ELEVATION

SCALE: $3/32" = 1"$



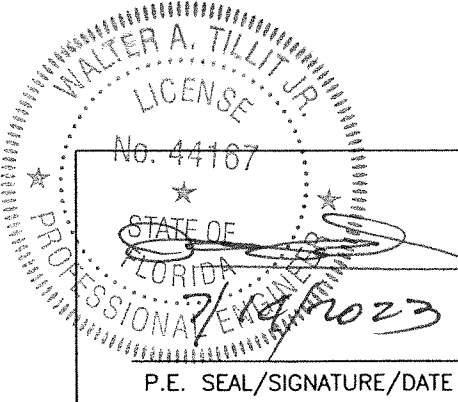
TYPICAL PLAN

SCALE: $3/32" = 1"$

MAX. A.S.D. DESIGN PRESSURE RATING IS: ± 60 p.s.f.

THIS DRAWING SHALL ONLY BE USED TO OBTAIN PERMITS IN THE STATE OF FLORIDA

Florida Building Code (High & Non High Velocity Hurricane Zone)

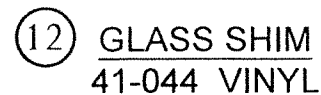
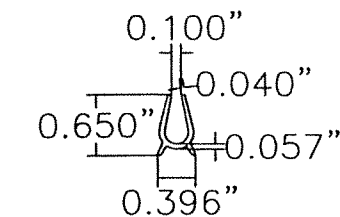
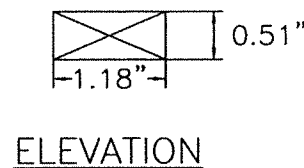
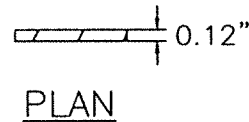
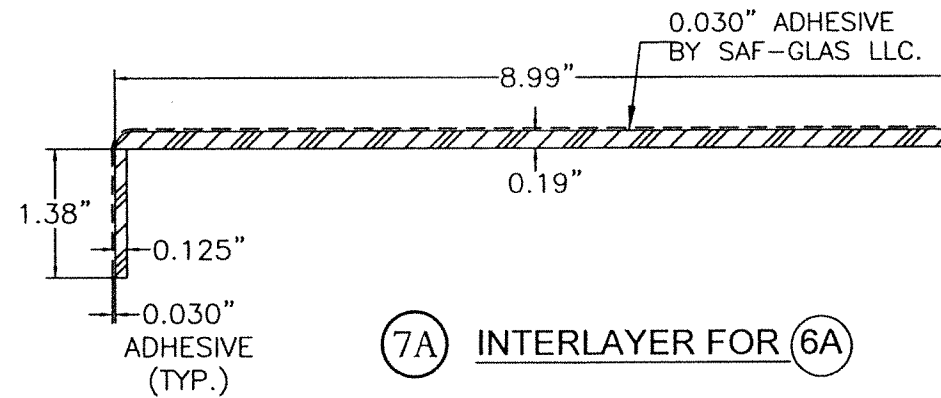
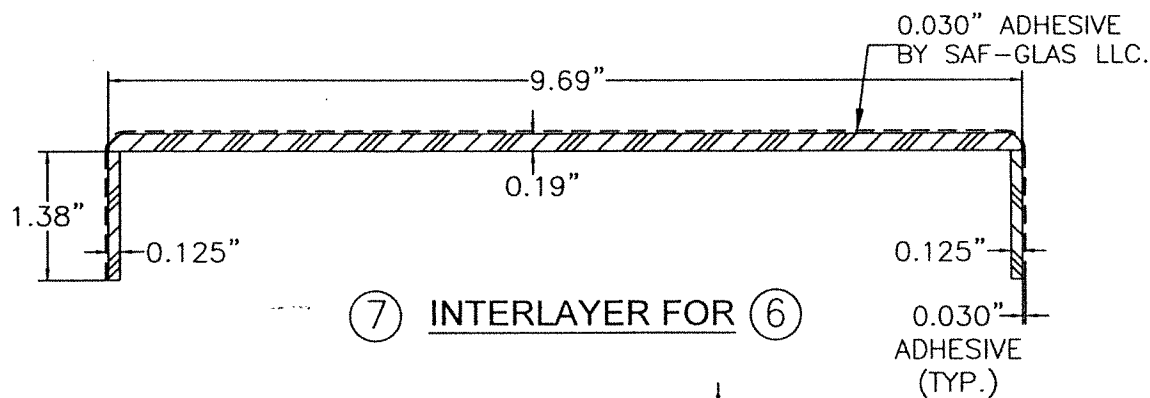
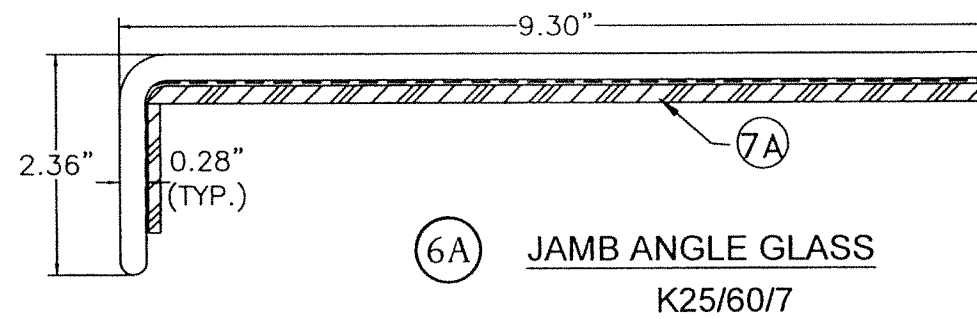
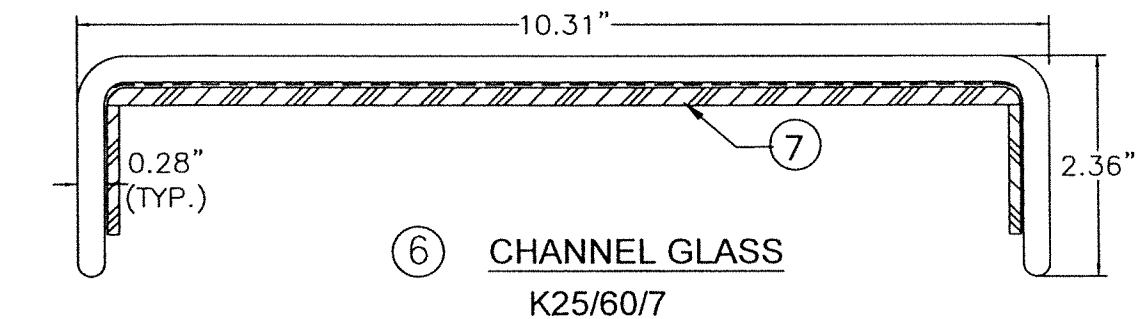
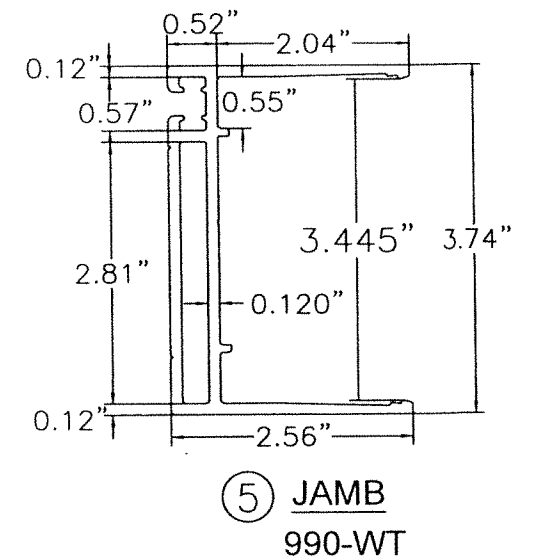
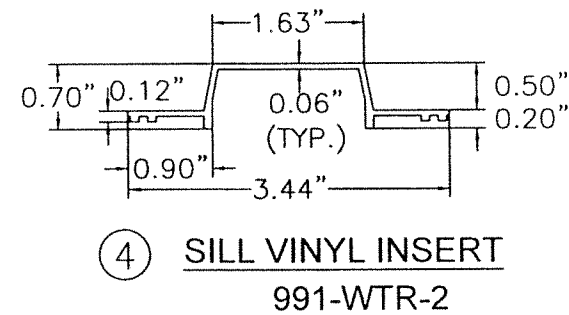
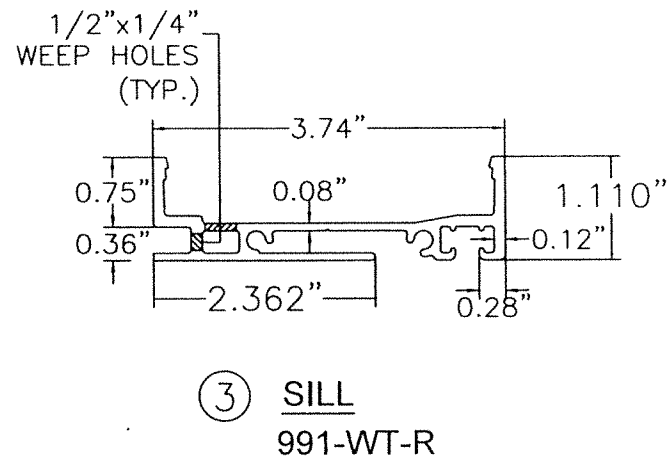
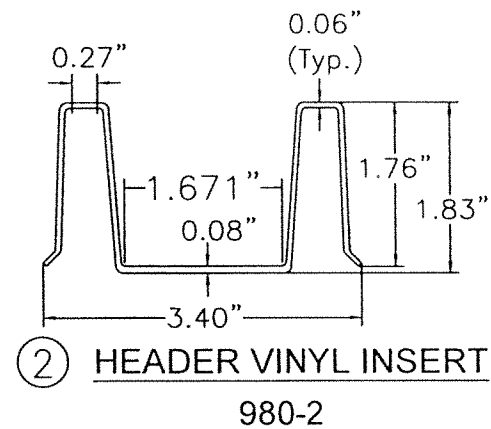
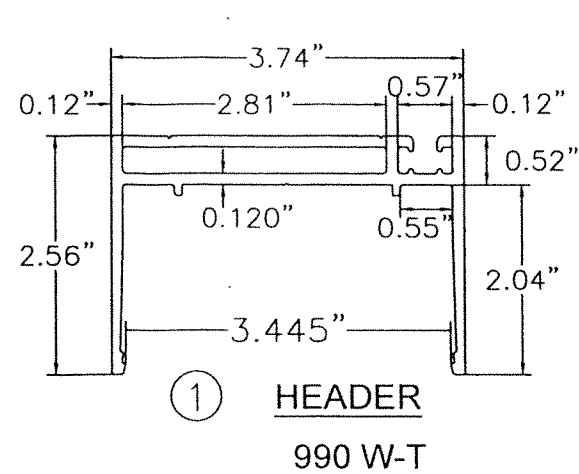


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TILTECO INC.

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e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr. P. E.
FLORIDA Lic. # 44167

PILKINGTON PROFILIT™ SERIES 70 HI GLAZING SYSTEM						Y.M. DRAWN BY
Phone: 1-800-426-0279 (425) 822-4514 Fax: 1-800-451-9857 (425) 822-4684						7/14/2023 DATE
Technical Glass Products 8107 Bracken PL SE Snoqualmie, WA 98065-9258						23-090 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 1 OF 5
1	OLD 20-258	7/14/23	3			
2			4			



COMPONENTS:

SCALE: 1/2" = 1"

GLAZING NOTES:

- 1) MINIMUM TOTAL THICKNESS FOR ⑥ + ⑦ INCLUDING ADHESIVE IS 0.50" @ 10.31" SIDE OF ⑥ & 0.435" @ 2.36" SIDE OF ⑥
- 2) MINIMUM TOTAL THICKNESS FOR ⑥A + ⑦A INCLUDING ADHESIVE IS 0.50" @ 9.30" SIDE OF ⑥A & 0.435" @ 2.36" SIDE OF ⑥A

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
5/14/2023
P.E. SEAL/SIGNATURE/DATE

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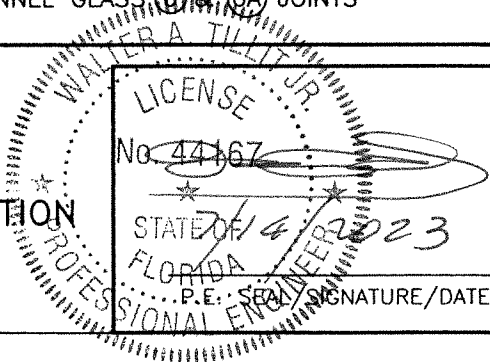
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Technical Glass Products 8107 Bracken PL SE Snoqualmie, WA 98065-9258						7/14/2023 DATE
REV. No. DESCRIPTION DATE REV. No. DESCRIPTION DATE						23-090 DRAWING No
1	OLD 20-258	7/14/23	3			SHEET 2 OF 5
2	⑦ AT ⑥	9/22/20	4			

BILL OF MATERIALS:

ITEM	DESCRIPTION	MATERIAL / MANUFACTURER	REMARKS
①	HEADER	6063-T5 ALUMINUM ALLOY	990 WT
②	HEADER INSERT	AAMA APPROVED VINYL BY CUSTOM WINDOW EXTRUSIONS INC. OR KARL PETER KUNSTSTOFFE GMBH.	980-2 PIECES OF 8 3/4" LONG W/ 1 3/4" SEPARATION AT CHANNEL GLASS JOINTS TO FIT (2) ⑫ THROUGHOUT
③	SILL	6063-T5 ALUMINUM ALLOY	991-WT-R, PROVIDE 1/2"x1/4" WEEP HOLES AT 36" O.C.
④	SILL INSERT	AAMA APPROVED VINYL BY CUSTOM WINDOW EXTRUSIONS INC. OR KARL PETER KUNSTSTOFFE GMBH.	991 WTR-2 PIECES OF 8 3/4" LONG W/ 1 3/4" SEPARATION AT CHANNEL GLASS JOINTS TO FIT (2) ⑫ THROUGHOUT
⑤	JAMB	6063-T5 ALUMINUM ALLOY	990-WT
⑥*	CHANNEL GLASS**	0.28" THK. ANNEALED GLASS ASTM C 1036, TYPE 1, CLASS 1, QUALITY q3, ** ROLLED GLASS, CHANNEL SHAPE, CAST	K25/60/7 SERIES GLASS
⑥A*	JAMB ANGLE GLASS**	0.28" THK. ANNEALED GLASS ASTM C 1036, TYPE 1, CLASS 1, QUALITY q3, ** ROLLED GLASS, ANGLE SHAPE, CAST	K25/60/7 SERIES GLASS THIS COMPONENT SHALL ONLY BE USED AT JAMBS AND ALWAYS COMBINED TOGETHER W/ (⑥+⑦) WHERE ⑥A MAY GO TO THE EXTERIOR OR INTERIOR OF WALL & OPPOSITE TO ⑥
⑦*	INTERLAYER FOR ±	SAF-GLAS POLYCARBONATE LAMINATE BY SAF-GLAS, LLC.	MIAMI-DADE COUNTY APPROVED INCLUDES 0.030" THICK ADHESIVE BY SAF-GLAS, LLC.
⑦A*	INTERLAYER FOR ⑥A	SAF-GLAS POLYCARBONATE LAMINATE BY SAF-GLAS, LLC.	MIAMI-DADE COUNTY APPROVED INCLUDES 0.030" THICK ADHESIVE BY SAF-GLAS, LLC.
⑧	SILICONE SEALANT	DOW CORNING 795	AT GLASS & FRAME
⑨	1/4"Ø ULTRACON	ELCO CONSTRUCTION PRODUCTS.	3" Min. EDGE DISTANCE, SEE ELEVATION FOR ANCHOR SPACING, START AT 3" FROM ENDS
⑩	1/4"Øx2" TEK SCREWS	ITW BUILDEX	TO 1/8" Min. THK. 6063-T5 ALLOY ALUMINUM OR Fy = 33 KSI MINIMUM STEEL W/ 1" Min. EDGE DISTANCE SEE ELEVATION FOR ANCHOR SPACING, START AT 3" FROM ENDS
⑪	GASKET	BUNZL EXTRUSION TACOMA, INC.	166-WC USE (2) PER EACH ⑥ OR ⑥A JOINT FLEXIBLE PVC
⑫	GLASS SHIM	AAMA APPROVED VINYL BY CUSTOM WINDOW EXTRUSIONS INC. OR KARL PETER KUNSTSTOFFE GMBH.	41-044 USE DOUBLE @ FRONT & BACK AT TOP/BOTTOM AT CHANNEL GLASS ⑥ & ⑥A JOINTS

* SEE GLAZING NOTES ON SHEET 2 OF 5.
** VALID ONLY FOR INSTALLATIONS UP TO 30' ABOVE GRADE.
USE SAFETY GLASS FOR INSTALLATIONS ABOVE 30' PER SECTION
2411.1.11 OF THE FLORIDA BUILDING CODE.



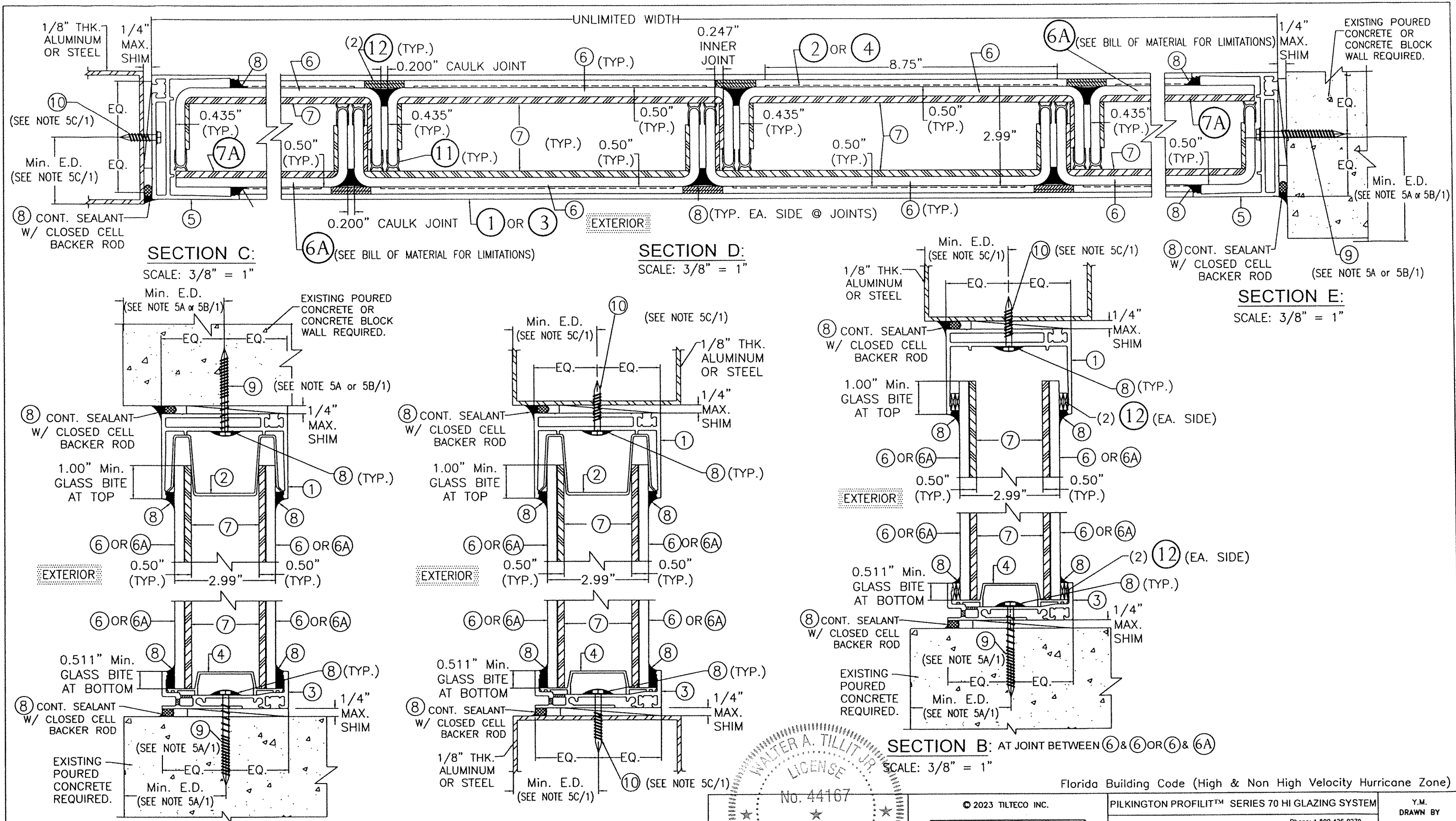
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Technical Glass Products 8107 Bracken PL SE Snoqualmie, WA 98065-9258					23-090 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-258	7/14/23	3		
2	NOTE **	9/22/20	4		



WALTER A. TILLIT JR.
LICENSE
No. 44167
7/14/2023
P.E. SEAL/SIGNATURE/DATE

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1	OLD 20-258	7/14/23	3		
2	SECTS A,B,D AMM.	9/22/20	4		

