

GENERAL NOTES:

1. SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR (2,3,4 & 5 TRACK DOORS) 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. SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR MAY BE INSTALLED AT HIGH VELOCITY HURRICANE ZONES (H.V.H.Z) AND OUT OF IT (N.H.V.H.Z).
- DESIGN WIND LOADS SHALL BE DETERMINED AS PER SECTIONS 1620 AND 1609 OF THE ABOVE MENTIONED CODE, USING ASCE 7-22 AND SHALL NOT EXCEED THE MAXIMUM (A.S.D.) DESIGN PRESSURE RATINGS INDICATED ON NOTE 3 BELOW.
- 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 RATINGS INDICATED ON NOTE 3 BELOW.
- IN ORDER TO VERIFY THAT ANCHORS ON THIS P.E.D., AS TESTED, WERE NOT OVERSTRESSED, A 33% INCREASE IN ALLOWABLE STRESS FOR WIND LOADS WAS NOT USED IN THEIR ANALYSIS. A DURATION FACTOR CD=1.60 WAS USED TO VERIFY FASTENERS IN WOOD. FASTENERS SPACING TO WOOD HAS BEEN DETERMINED IN ACCORDANCE WITH N.D.S. 2018.
- THESE DOOR'S ADEQUACY FOR IMPACT AND WIND RESISTANCE HAS BEEN VERIFIED IN ACCORDANCE WITH SECTIONS 1626 & 1609.1.2 OF THE ABOVE MENTIONED CODE AS PER PROTOCOLS TAS-201, TAS-202, TAS-203, PER FENESTRATION TESTING LABORATORY INC., LAB REPORTS # 11026 , 12031 & 12031.01 AND AS PER SUBMITTED STRUCTURAL CALCULATIONS, PERFORMED AS PER SECTIONS 1616 & 1604 OF THE FLORIDA BUILDING CODE. GLASS VERIFIED PER ASTM-1300, PER SECTION 2404.1 OF THE FLORIDA BUILDING CODE.
2. REMAINING COMPONENTS FOR THIS SLIDING GLASS DOOR SYSTEM SHALL BE AS INDICATED ON BILL OF MATERIALS SHEETS 2,3,4,5 & 6 OF THIS DRAWING.
3. MAXIMUM A.S.D. DESIGN PRESSURE RATINGS FOR THESE DOORS SHALL BE AS SHOWN ON SHEETS 8 & 9 (SMALL & LARGE MISSILE). SEE DOOR ELEVATION ON SHEET 7 FOR QUALIFIED CONFIGURATIONS & NOTES.
4. THIS SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR WILL NOT REQUIRE A HURRICANE PROTECTION DEVICE.
5. THIS SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR IS APPROVED FOR AIR AND WATER INFILTRATION. FOLLOWING LIMITATIONS INDICATED ON SHEET 8 BASED ON RISER SILL USED.
6. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2020 ALUMINUM DESIGN MANUAL.
7. ALL SCREWS USED FOR ASSEMBLY CONNECTIONS (METAL TO METAL) TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD STRENGTH AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
8. WOOD BUCKS, BY OTHERS, MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE BUILDING STRUCTURE. WOOD BUCKS MUST BE SOUTHERN PINE, G=0.55. AND SHALL COMPLY WITH SECTIONS 2411.3.3.3 & 2411.3.3.4 OF THE FLORIDA BUILDING. CODE SEE BELOW.
- (8.1) 2X WOOD BUCKS MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. ANCHORAGE IS INDEPENDENT OF SLIDING DOOR FRAME ANCHORAGE. SLIDING DOOR FRAME MUST BE SEPARATELY ANCHORED TO 2X WOOD BUCK FOLLOWING DETAILS ON THIS DRAWING.
- (8.2) 1X WOOD BUCK (OR ANY WOOD BUCK LESS THAN 2X) MUST BE PROPERLY ANCHORED TO EXISTING STRUCTURE TO TRANSFER LOADS TO IT. SLIDING DOOR FRAME ANCHOR SHALL BE USED TO ATTACH 1X WOOD BUCK TO EXISTING STRUCTURE BY DRIVING ANCHOR THRU BOTH SLIDING DOOR FRAME & 1X WOOD BUCK INTO EXISTING STRUCTURE W/ PROPER EMBEDMENT AND EDGE DISTANCE AS SHOWN ON THIS DRAWING.
- (8.3) SLIDING DOOR FRAME MAY BE DIRECTLY CONNECTED TO EXISTING STRUCTURE WITH NO NEED OF WOOD BUCKS WHEN MASONRY OPENING IS NOT LARGER THAN ACTUAL DOOR OVERALL DIMENSIONS. HOWEVER, SHIMS (SEE NOTE 10) MAY BE ALLOWED AT SLIDING DOOR FRAME ANCHOR LOCATION IF NEEDED.
9. ANCHOR NOTES: EMBEDMENT AND EDGE DISTANCE ARE BEYOND ANY FINISH.
- (A) TO EXISTING POURED CONCRETE: (Min. f_c = 3,000 ksi), MIN. EDGE DISTANCE = 2 1/2".
- 1/4"Ø ULTRACON W/ 1 3/4" MIN. EMBEDMENT, AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS, INC. (COMPONENT³⁰), THRU 1" P.T. WOOD BUCK.
- (B) TO EXISTING A.S.T.M. C-90 CONCRETE BLOCK MIN. EDGE DISTANCE = 2 1/2". (APPLICABLE TO JAMBS ONLY)
- 1/4"Ø ULTRACON W/ 1 1/4" MIN. EMBEDMENT, AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS, INC. (COMPONENT³⁰), THRU 1" P.T. WOOD BUCK.
- (C) TO EXISTING 2x P.T. WOOD BUCK (MIN. G=0.55). MIN. EDGE DISTANCE = 1".
- 1/4"Ø ULTRACON W/ 1 1/2" MIN. THREADED PENETRATION, AS MANUFACTURED BY ELCO CONSTRUCTION PRODUCTS, INC. (COMPONENT³⁰).
- (D) TO EXISTING 1/8" (6063-T5) ALUMINUM OR 1/8" GRADE 33 STEEL: MIN. EDGE DISTANCE= 1/2"
- 1/4" AISI 401 TEK SCREWS W/MIN. 3 THREADS PASSED METAL THICKNESS EMBEDMENT, AS MANUFACTURED BY ITW / BUILDEX (COMPONENT^{30A}).
10. PROVIDE 1/4" MAX. LOAD BEARING SHIM, WHEN ALLOWED BY THIS DRAWING.
11. PRODUCT MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION AT PRODUCT IN ACCORDANCE WITH SECTION 1709.5 OF THE FLORIDA BUILDING CODE. ONE LABEL SHALL BE PLACED FOR EVERY OPENING.
12. (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.
- (b) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE PROFESSIONAL OF RECORD (P.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE PED.
- (c) ORIGINAL P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

S.G.D SELECTION PROCEDURE :

- STEP 1:** DETERMINE A.S.D. DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, WIND ZONE, USING APPLICABLE ASCE 7 STANDARD.
- STEP 2:** GO TO SCHEDULES BASED ON MAXIMUM DOOR FRAME HEIGHT ON SHEETS 8 & 9 TO DETERMINE MAXIMUM A.S.D. DESIGN PRESSURE RATING (psf) OF DESIRED GLASS & DOOR HEIGHT & PANEL WIDTH.
- STEP 3:** DETERMINE MAXIMUM DOOR FRAME HEIGHT (in) FOR A GIVEN DESIGN PRESSURE, ON SCHEDULE ON SHEET 8, 9, 24 & 25. SELECT ANCHOR AT JAMBS & HEAD/SILL W/ A.S.D. DESIGN PRESSURE RATING EQUAL OR GREATER THAN DESIGN LOAD SPECIFIED IN STEP 1 USING ELEVATIONS AND SECTIONS ON SHEETS 7 & 10 THRU 22 FOR LARGE & SMALL MISSILE DOORS.

WEEP HOLES		
DESCRIPTION	DISTANCE	MAX. A.S.D. PRESSURE RATING/ MISSILE TYPE
0.60" BY 1/4" WIDE WEEP HOLES	13" FROM LEFT JAMB, AND 5" FROM RIGHT USE (4) EACH END PANEL + (4) AT OPERABLE PANEL AT BALANCE AT MAX 8" O.C AT EA. TRACK.	GREATER THAN +100 psf. UP TO 140 psf FOR SMALL MISSILE INSTALLATIONS.
1/8" X 1" WIDE WEEP HOLES	6 3/4" FROM CORNERS THEN @ 47" O.C. (MAX.) EA. TRACK.	EQUAL OR LESS THAN +100 psf, FOR LARGE MISSILE INSTALLATIONS.

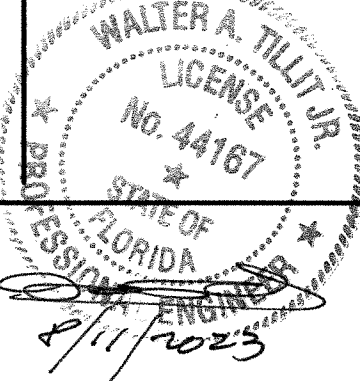
PADS AND GASKETS		
PADS AND GASKET TYPE	NUMBER AND SIZE	LOCATION
SELF ADHESIVE PILE PADS	3" LONG BY 1" WIDE	FRAME HEAD AND FRAME SILL AT INTERIOR STILE AND ASTRAGAL STILE

FIXED PANEL INSTALLATION TO FRAME JAMB

1. ANY FIXED END PANEL ("0") SHALL BE FASTENED TO THE FRAME JAMB THRU THE SILL REAR FLANGE USING COMPONENT # ³³ LOCATED 8" FROM TOP AND BOTTOM.

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

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

 P.E. SEAL/SIGNATURE/DATE	© 2023 TILTECO INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilliteco@aol.com CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. 44167	SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE  290 WEST 78 ROAD HIALEAH, FL. 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.gigwindows.com <table><tr><th>REV. NO</th><th>DESCRIPTION</th><th>DATE</th><th>REV. No</th><th>DESCRIPTION</th><th>DATE</th></tr><tr><td>1</td><td>OLD 21-114</td><td>08/11/23</td><td>2</td><td>-</td><td>-</td></tr></table>	REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 21-114	08/11/23	2	-	-	W.H DRAWN BY: 08/11/2023 DATE 23-173 DRAWING No SHEET 1 OF 26
	REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE									
	1	OLD 21-114	08/11/23	2	-	-									

BILL OF MATERIALS: FOR LARGE & SMALL MISSILE DOOR			
COMPONENT #	DESCRIPTION	DIMENSIONS/REMARKS	MATERIAL
(1A)	FRAME HEAD & SILL 2 TRACKS	SEE SHEET 4	6005-T5
(1B)	FRAME JAMB 2 TRACKS	SEE SHEET 4	6005-T5
(1C)	FRAME HEAD & SILL 2 TRACKS ALT.	SEE SHEET 4, VALID ONLY FOR ±60 psf ASD PRESSURE RATING INSTALLATIONS.	6005-T5
(2A)	FRAME HEAD & SILL 3 TRACKS	SEE SHEET 4	6005-T5
(2B)	FRAME JAMB 3 TRACKS	SEE SHEET 4	6005-T5
(2C)	FRAME HEAD & SILL 3 TRACKS ALT.	SEE SHEET 4, VALID ONLY FOR ±60 psf ASD PRESSURE RATING INSTALLATIONS.	6005-T5
(3A)	FRAME HEAD & SILL 4 TRACKS	SEE SHEET 4	6005-T5
(3B)	FRAME JAMB 4 TRACKS	SEE SHEET 4	6005-T5
(3C)	FRAME HEAD & SILL 4 TRACKS ALT.	SEE SHEET 4, VALID ONLY FOR ±60 psf ASD PRESSURE RATING INSTALLATIONS.	6005-T5
(4A)	FRAME HEAD & SILL 5 TRACKS ADAPT	SEE SHEET 4	6005-T5
(4B)	FRAME JAMB 5 TRACKS ADAPT	SEE SHEET 4	6005-T5
(4C)	FRAME HEAD & SILL 5 TRACKS ADAPT ALT.	SEE SHEET 4, VALID ONLY FOR ±60 psf ASD PRESSURE RATING INSTALLATIONS.	6005-T5
(5A)	TOP & BOTTOM RAIL 4 INCH	SEE SHEET 4 (FOR (39A) & (39B))	6005-T5
(5B)	TOP & BOTTOM RAIL 4 INCH	SEE SHEET 4 (FOR (39C))	6005-T5
(6A)	BOTTOM RAIL 6 INCH	SEE SHEET 4 (FOR (39A) & (39B))	6005-T5
(6B)	BOTTOM RAIL 6 INCH	SEE SHEET 4 (FOR (39C))	6005-T5
(7)	LOCK STILE	SEE SHEET 4	6005-T5
(7A)	ALTERNATE LOCK STILE	SEE SHEET 4	6005-T5
(8)	MEETING STILE INNER LOCK	SEE SHEET 4	6005-T5
(9)	MEETING STILE OUTER LOCK	SEE SHEET 4	6005-T5
(10)	ASTRAGAL	SEE SHEET 4	6005-T5
(10A)	ASTRAGAL ADAPT	SEE SHEET 5	6005-T5
(11A)	GLAZING BEAD 7/16"	SEE SHEET 5	6005-T5
(11B)	GLAZING BEAD 9/16"	SEE SHEET 5	6005-T5
(11C)	GLAZING BEAD 1"	SEE SHEET 5	6005-T5
(12)	ROLLER PIN	SEE SHEET 5	6005-T5
(13)	HEAD INSERT	SEE SHEET 5	6005-T5
(14A)	SILL RISER 3"	SEE SHEET 5	6005-T5
(14B)	SILL RISER 4"	SEE SHEET 5	6005-T5
(14C)	SILL RISER 5-1/2"	SEE SHEET 5	6005-T5
(15)	SCREW COVER	SEE SHEET 5	6005-T5
(16)	SCREW COVER JAMB	SEE SHEET 5	6005-T5
(17)	HOOK STRIP	SEE SHEET 5	6005-T5
(18)	JAMB REINFORCEMENT 2 TRACKS	SEE SHEET 5	6005-T5
(19)	JAMB REINFORCEMENT 3 TRACKS	SEE SHEET 5	6005-T5
(20)	1/4"x1-7/8" ALUMINUM REINFORCEMENT LS	SEE SHEET 5 (FOR (7))	6005-T5
(21)	1/4"x2-1/8" ALUMINUM REINFORCEMENT IL	SEE SHEET 5 (FOR (8) & (9))	6005-T5
(22)	1/4"x2-1/4" ALUMINUM REINFORCEMENT AA	SEE SHEET 5 (FOR (10A))	6005-T5
(23)	GLAZING GASKET	SEE SHEET 5	T.P.E.
(24)	GLAZING PRO-LON	SEE SHEET 5	FOAM
(25)	CORNER 90° ACTIVE	SEE SHEET 5	6005-T5
(26)	CORNER 90° IN-ACTIVE	SEE SHEET 5	6005-T5
(27)	PANEL SEAL	SEE SHEETS 4 & 5 (FOR PARTS (7), (8), (9), (10) & (11A))	NYLON
(28)	SETTING BLOCK	0.122"x0.5" (ULTRAFAB)	E.P.D.M.
(29)	#14 x 2 1/2" H.H SCREW	ASSEMBLY SCREW (FRAME & PANELS)	STEEL

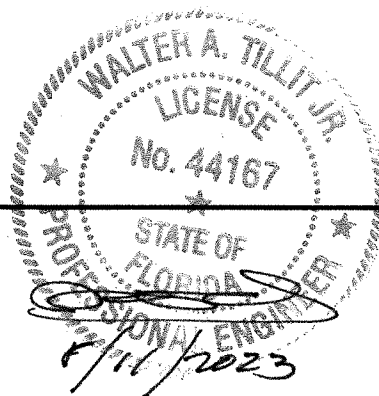
WALTER A. TILLIT JR.
P.E. SEAL/SIGNATURE/DATE
No. 44167
STATE OF FLORIDA
PROFESSIONAL ENGINEER
2/10/2023

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FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

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SHEET 2 OF 26			23-173 DRAWING No		

BILL OF MATERIALS CONTINUATION: FOR LARGE & SMALL MISSILE DOOR			
COMPONENT #	DESCRIPTION	DIMENSIONS/REMARKS	MATERIAL
(30)	1/4" Ø ULTRACON ANCHOR	BY ELCO CONSTRUCTION PRODUCTS	COATED STEEL
(30A)	1/4" Ø-14 TEK SCREWS	BY I.T.W. BUILDEX	AISI 401 S.S.
(33)	#10 x 1/2" FH S.S SELF DRILL SCREW	FIXED PANEL, ASTRAGAL ADAPTER & INACTIVE CORNER 90°	S.S.
(34)	#10 x 1/2" S.S MACHINE SCREW W/ NUT	5 TRACKS ASSEMBLY (PARTS (2A) WITH (4A) & (2B) WITH (4B)) 3" FROM EDGE & 1' O.C MAX	S.S.
(35)	STRUCTURAL SILICONE DOWSIL 983	ALL AROUND GLASS	SILICONE
(35A)	NON STRUCTURAL SILICONE	CCS (CONTRACTORS CONCRETE SEALANT) ALL AROUND FRAME AS SHOWN ON SECTIONS	SILICONE
(35B)	STRUCTURAL SILICONE-SIKASIL SG-500 CN	ALL AROUND GLASS	SILICONE
(36)	T-SLOT ULTRA FIN	W23211NK000B (0.210Hx0.187W) ULTRAFAB	PLASTIC
(37)	T-SLOT ULTRA FIN	W23351NK000B (0.350Hx0.187W) ULTRAFAB	PLASTIC
(38)	T-SLOT EXTRUDED SEAL	E23318KN2020 (0.450Hx0.187W) ULTRAFAB	VINYL
(39A)	SR-2003	TEANDEM ROLLER ASSY S/S HOUSING WITH 1-1/4" S/S WHEELS BY DELTA INDUSTRIAL SYSTEMS (LOCATED AT 5" MIN FROM PANEL END)	S.S.
(39B)	PR03-6000	SS7000 TANDEM ROLLER S/S TUNED WITH 1-1/4" S/S WHEELS ANTHONY INNOVATIONS (INTERLOCK USA) (LOCATED AT 7" MIN FROM PANEL END)	S.S.
(39C)	PJS-TA-188-OF-PRN	TANDEM ROLLER S/S TUNED WITH 1-5/8" ACETAL (DERLIN) WHEELS (LOCATED AT 7" MIN FROM PANEL END)	S.S.
(40)	FASTENER	(2)#10x1" LONG ROLLER ASSEMBLY FASTENING	S.S.
(41)	PS01-1020	SMLM 2PT MORTICE LOCK STAINLESS HOOKS	S.S.
(42)	PS01-1015	15mm ADJUSTABLE SBML STRIKE + MOUNTING SCREW (2) #10x1 1/4" P.H. S.D.S.	S.S.
(43)	2307	IMPACT DOOR STOPPER	
(44)	INSULATED GLASS UNIT SPACER	SEE SHEET 5	3105-H24 ALUMINUM
(45)	T-SLOT ULTRA FIN	D7593AMK (0.750Hx0.750W) ULTRAFAB (FOR INACTIVE PANEL 90°)	PLASTIC
(46)	T-SLOT ULTRA FIN	D3893AMK (0.750Hx0.375W) ULTRAFAB (FOR WATER INTRUSION ADHESIVE AT SILL TRACK AT EACH INTERLOCK 3" LONG)	PLASTIC
(47)	#10-24 x 5/16" PH PHILLIPS MACHINE SCREW	CORNER 90° ACTIVE PANEL (3" FROM EDGE & 8" O.C. MAX)	S.S.



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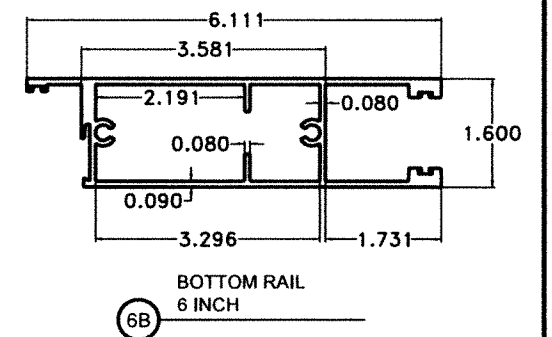
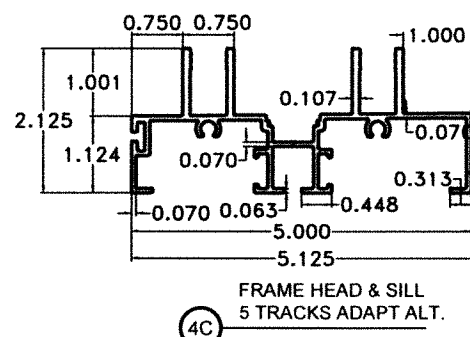
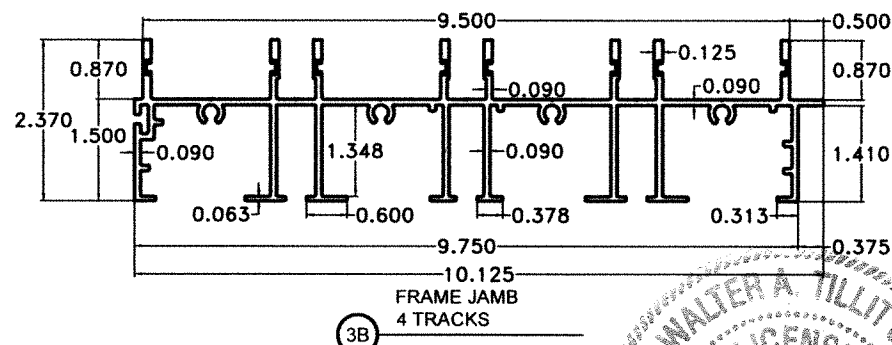
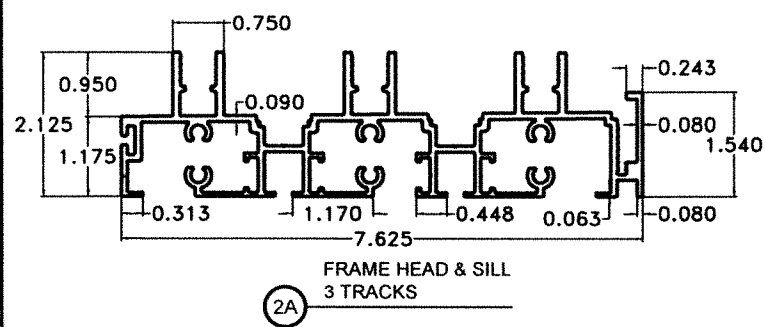
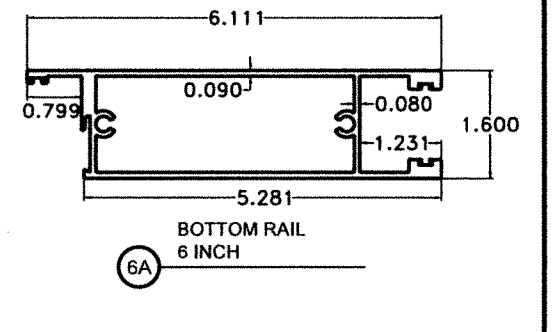
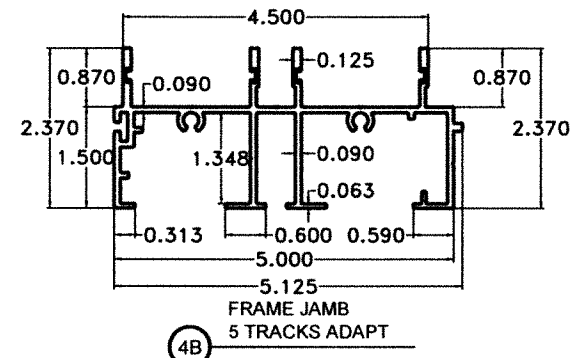
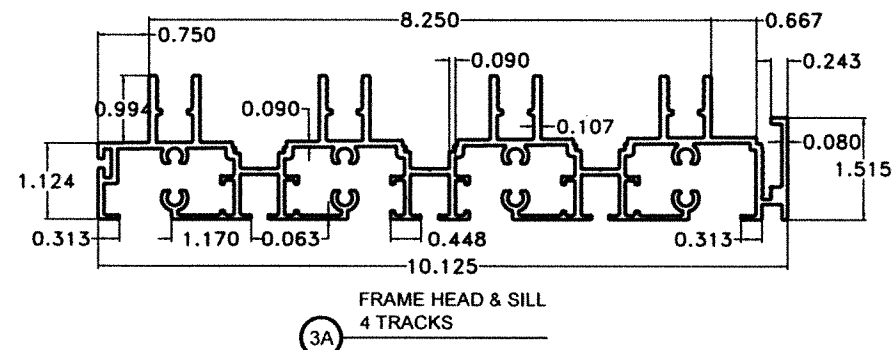
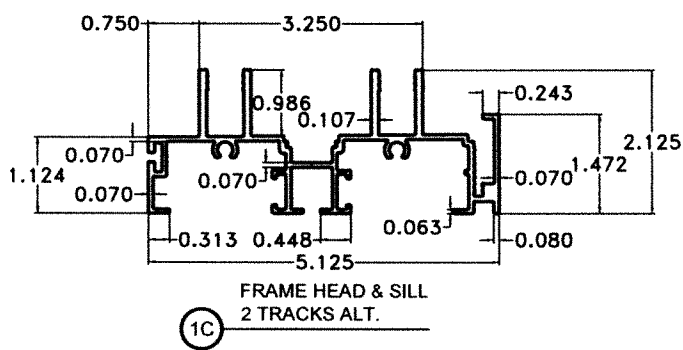
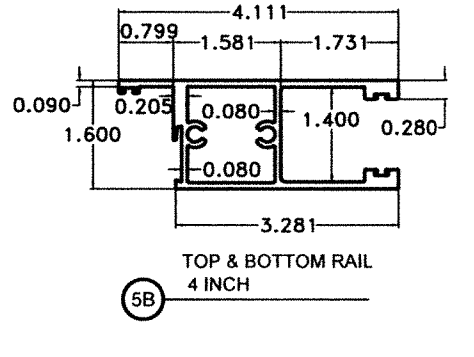
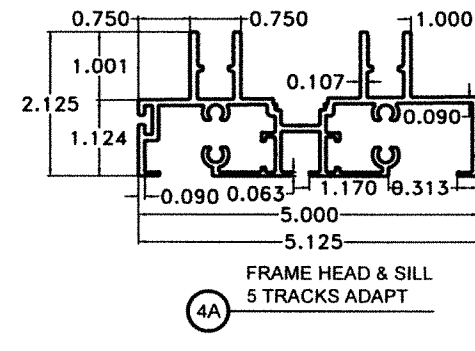
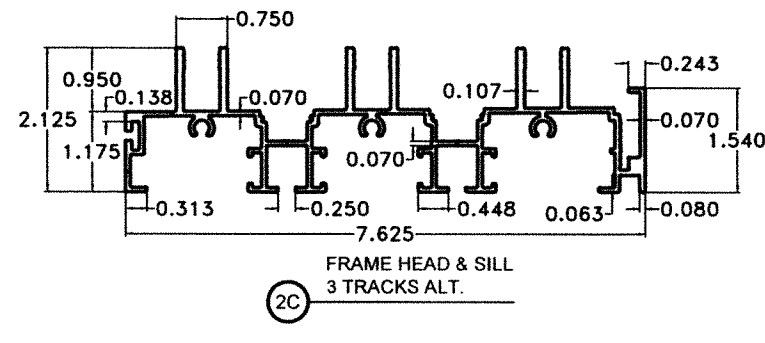
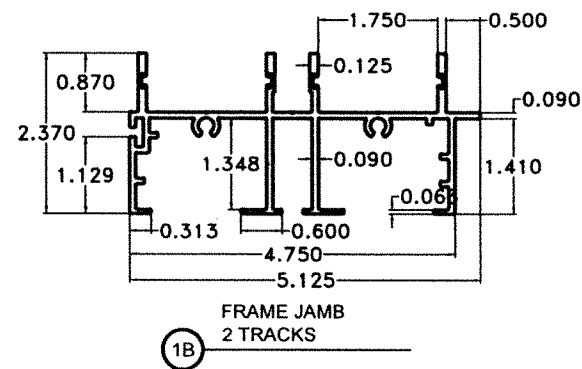
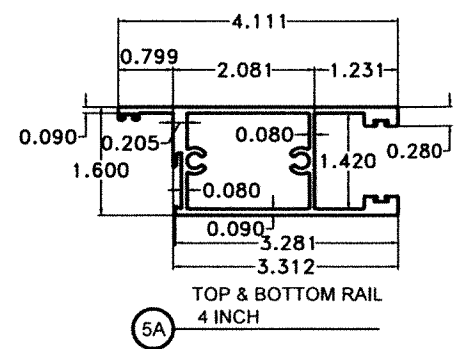
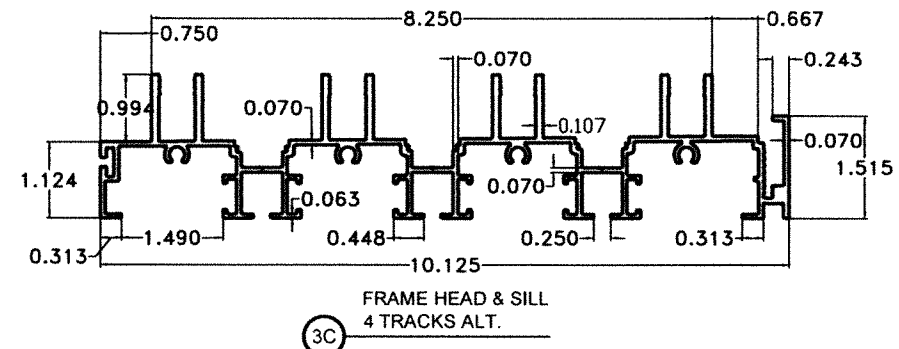
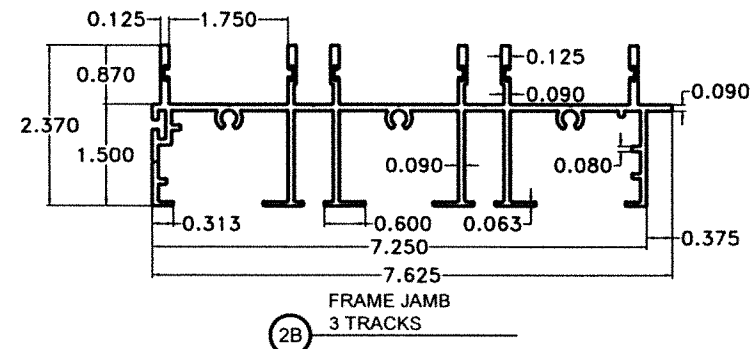
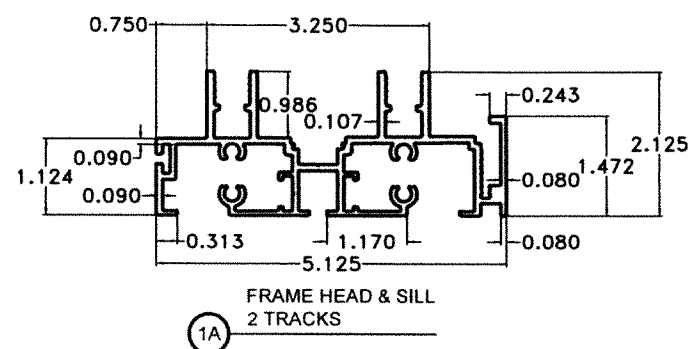
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			23-173 DRAWING No		
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-
SHEET 3 OF 26					



COMPONENTS

SCALE: 3/8"=1"

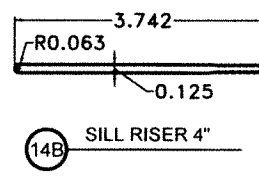
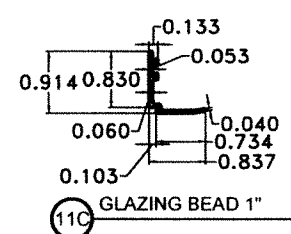
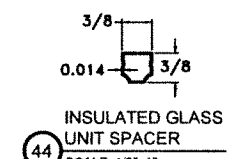
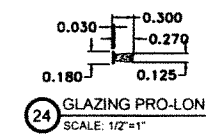
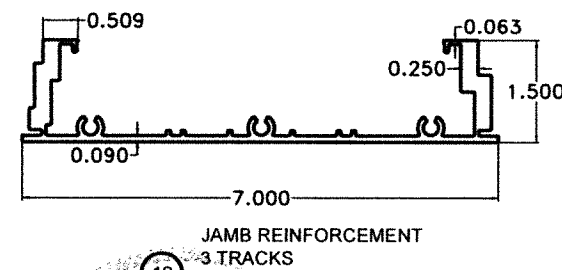
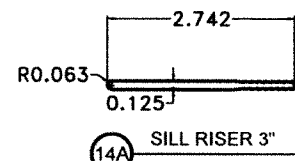
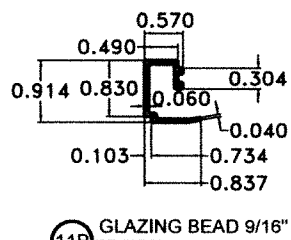
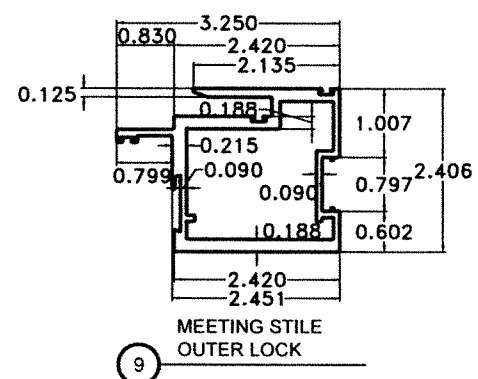
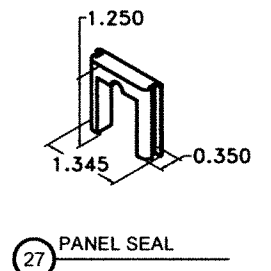
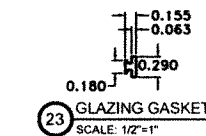
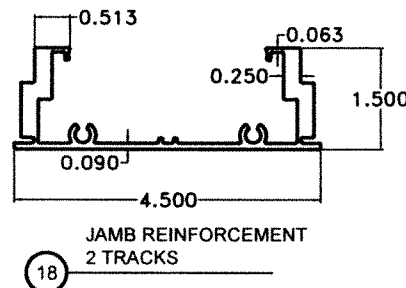
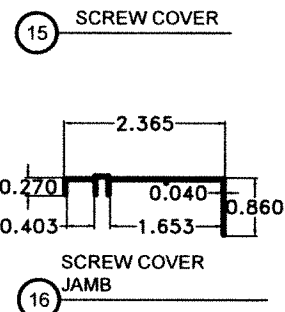
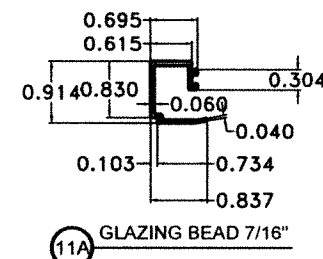
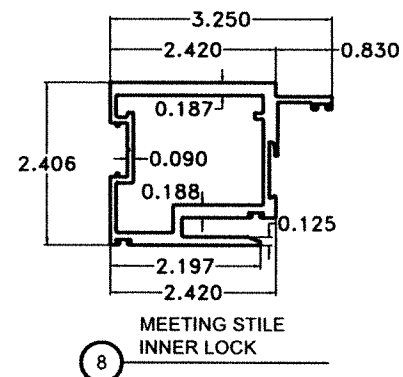
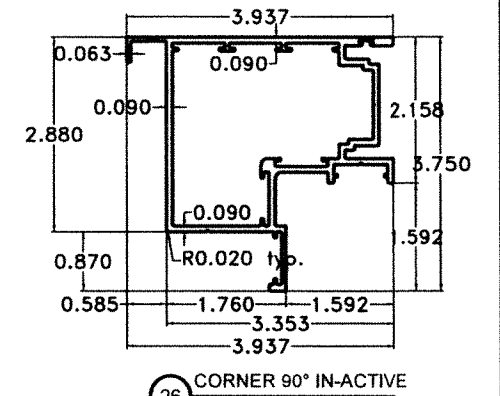
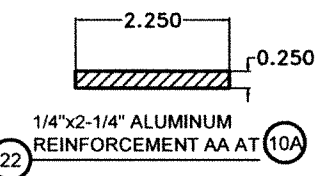
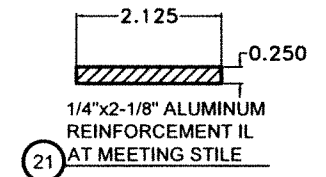
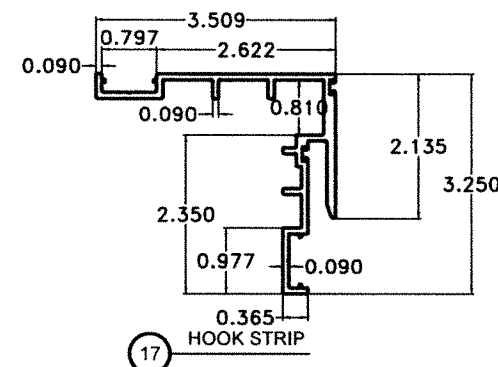
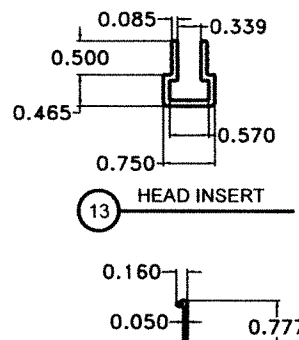
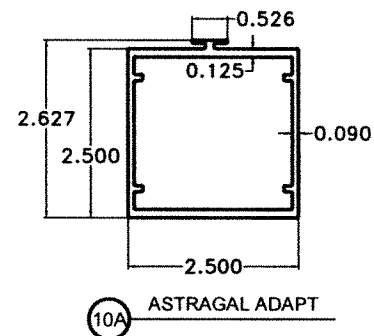
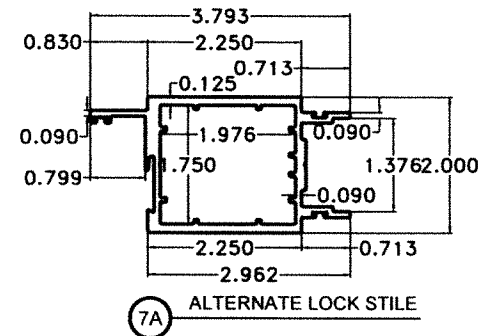
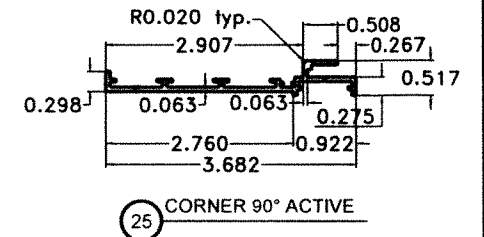
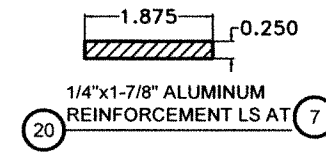
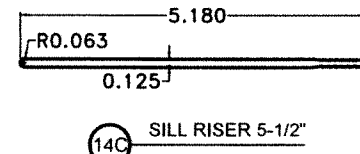
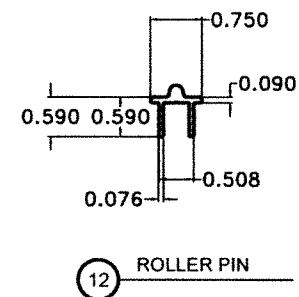
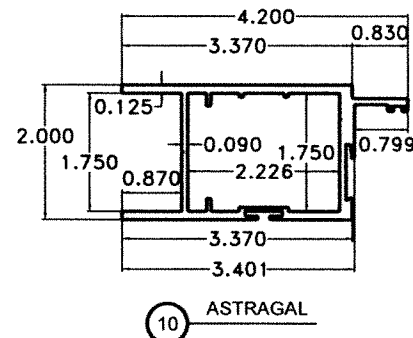
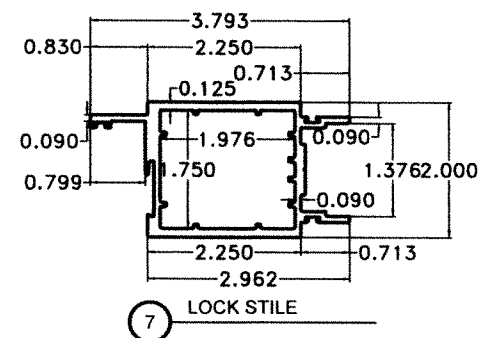
LARGE & SMALL MISSILE DOORS

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
8/11/2023
P.E. SEAL/SIGNATURE/DATE

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TILLIT TESTING & ENGINEERING COMPANY
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CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE				W.H DRAWN BY:	
 290 WEST 78 ROAD HIALEAH, FL 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.glgwindows.com				08/11/2023 DATE	
				23-173 DRAWING No	
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-
				SHEET 4 OF 26	



COMPONENTS

CONT'D:

LARGE & SMALL MISSILE DOORS

SCALE: 3/8"=1"

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
Professional Engineer
8/11/2023
P.E. SEAL/SIGNATURE/DATE

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**SERIES 28000 HIGH IMPACT SLIDING
GLASS DOOR / LARGE AND SMALL MISSILE**



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DRAWN BY:

08/11/2023
DATE

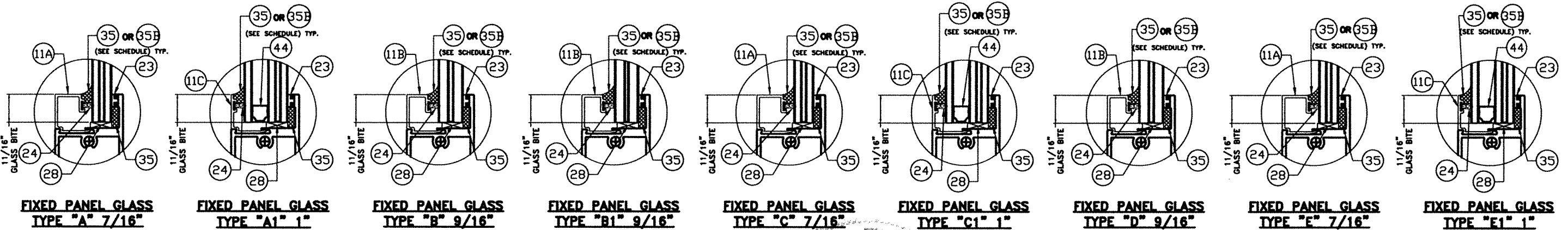
23-173
DRAWING No

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-

SHEET 5 OF 26

BILL OF MATERIALS (CONT'D): REQUIRED GLASS FOR QUALIFIED LARGE & SMALL MISSILE DOORS

COMPONENT #	DESCRIPTION	ALLOWED MISSILE TYPE
A	7/16" NOMINAL LAMINATED GLASS W/ 3/16" H.S. GLASS +0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC. + 3/16" H.S. GLASS.	LARGE & SMALL MISSILE
A1	1" NOMINAL INSULATED-LAMINATED GLASS W/ 3/16" TEMPERED GLASS OUT BOARD - 3/8" ARGON SPACER + 3/16" H.S. GLASS +0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC. + 3/16" H.S. GLASS.	LARGE & SMALL MISSILE
B	9/16" NOMINAL LAMINATED GLASS W/ 1/4" H.S. GLASS +0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC. + 1/4" H.S. GLASS.	LARGE & SMALL MISSILE
B1	9/16" NOMINAL LAMINATED GLASS W/ 1/4" TEMPERED GLASS +0.060" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC. + 1/4" TEMPERED GLASS.	SMALL MISSILE
C	7/16" NOMINAL LAMINATED GLASS W/ 3/16" H.S. GLASS +0.090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC. + 3/16" H.S. GLASS.	LARGE & SMALL MISSILE
C1	1" NOMINAL INSULATED-LAMINATED GLASS W/ 3/16" TEMPERED GLASS OUT BOARD - 3/8" ARGON SPACER + 3/16" H.S. GLASS +0.090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC. + 3/16" H.S. GLASS.	LARGE & SMALL MISSILE
D	9/16" NOMINAL LAMINATED GLASS W/ 1/4" H.S. GLASS +0.090" SENTRYGLAS® INTERLAYER BY KURARAY AMERICA, INC. + 1/4" H.S. GLASS.	LARGE & SMALL MISSILE
E	7/16" NOMINAL LAMINATED GLASS W/ 3/16" ANNEALED GLASS +0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC. + 3/16" ANN. GLASS.	LARGE & SMALL MISSILE
E1	1" NOMINAL INSULATED-LAMINATED GLASS W/ 3/16" TEMPERED GLASS OUT BOARD - 3/8" ARGON SPACER + 3/16" ANN. GLASS +0.090" TROSIFOL PVB INTERLAYER BY KURARAY AMERICA, INC. + 3/16" ANN. GLASS.	LARGE & SMALL MISSILE



STRUCTURAL SILICONE SCHEDULE

COMPONENT #	MAX. NEGATIVE ASD PRESSURE RATING	MISSILE TYPE
35	177 psf	LM & SM
35B	60 psf	LM & SM

GLASS CONFIGURATION

WALTER A. TILLIT JR., P.E.
8/11/2023
P.E. SEAL/SIGNATURE/DATE

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WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE				W.H. DRAWN BY:	
				08/11/2023 DATE	
290 WEST 78 ROAD HIALEAH, FL. 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.gigwindows.com				23-173 DRAWING No	
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1	OLD 21-114	08/11/23	2	-	-

SHEET 6 OF 26

MAXIMUM A.S.D. DESIGN PRESSURE RATING SCHEDULE FOR A MAXIMUM FRAME HEIGHT, FRAME WIDTH,
D.L.O. HEIGHT & D.L.O. WIDTH VALID FOR 2, 3, 4 & 5 TRACK Δ DOORS, LARGE & SMALL MISSILE

MAX. A.S.D. DESIGN PRESSURE RATING*	MAXIMUM FRAME HEIGHT ***	MAXIMUM FRAME WIDTH	MAXIMUM D.L.O. HEIGHT	MAXIMUM D.L.O. WIDTH	MAX. FIXED PANEL WIDTH	MAX. OPERABLE PANEL WIDTH	MAXIMUM PANEL HEIGHT	REQ'D GLASS TYPE & IMPACT RATING **, *****	REQUIRED LOCK STILE & ASTRAGAL ****	REQUIRED REINFORCED MEETING STILES ****
+60, -60 psf ***	120"	SEE NOTES ON SHEET 7	108 3/16"	56 3/4"	61 5/8"	63 1/4"	116 3/8"	(A), (A1), (B) SMALL & LARGE MISSILE	(7) OR (7A) & (10A) + (10) W/O REINFORCEMENT	NO
+100, -100 psf ***	84"	SEE NOTES ON SHEET 7	72 3/16"	56 3/4"	61 5/8"	63 1/4"	80 3/8"	(A), (A1), (B) SMALL & LARGE MISSILE	(7) OR (7A) & (10A) + (10) W/O REINFORCEMENT	NO
+70, -70 psf ***	144"	SEE NOTES ON SHEET 7	132 3/16"	46 3/4"	51 1/4"	53 1/4"	140 3/8"	(C), (C1), (D) SMALL & LARGE MISSILE	(7) OR (7A) & (10A) + (10) W/ (20) + (22) REINFORCEMENT	YES (21)
+100, -177 psf ***	84"	SEE NOTES ON SHEET 7	72 3/16"	46 3/4"	51 1/4"	53 1/4"	80 3/8"	(C), (C1), (D) SMALL & LARGE MISSILE	(7) OR (7A) & (10A) + (10) W/ (20) + (22) REINFORCEMENT	YES (21)
+55, -55 psf	120"	SEE NOTES ON SHEET 7	108 3/16"	56 3/4"	61 5/8"	63 1/4"	116 3/8"	(A), (A1), (B), (E), (E1) SMALL & LARGE MISSILE	(7) OR (7A) & (10) + (2) (20)	NO
+100, -140 psf	120"	SEE NOTES ON SHEET 7	108 3/16"	44 3/4"	50 9/16"	51 5/8"	116 3/8"	(B1) SMALL MISSILE	(7) OR (7A) & (10A) + (10) W/O REINFORCEMENT	YES (21)
+60, -60 psf	120"	SEE NOTES ON SHEET 7	108 3/16"	54 9/16"	60"	61 5/8"	116 3/8"	(A), (A1), (B), (C), (C1), (D), (E), (E1) ***** SM&LM	(25) + (26) + (2) (7) OR (7A)	NO

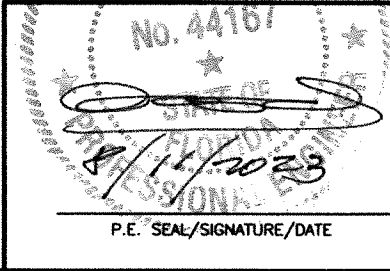
SILL RISER SCHEDULE, GIVEN AN A.S.D POSITIVE DESIGN WIND LOAD AND AN EXISTING OVERHANG PROJECTION ABOVE AND OUT FROM DOOR EQUAL TO DOOR FRAME HEIGHT

SILL RISER TYPE	MAX. POSITIVE A.S.D. DESIGN WIND LOAD	OVERHANG REQUIRED	DOOR INCLUDES CORNER W/ (25) & (26) ?
(14A)	50.0 psf or less	NO	ALLOWED †
(4A), (14B), (14C)	Larger than 100.0 psf	YES	NOT ALLOWED
(14B), (14C)	+ 60.0 psf	NO	NOT ALLOWED
(14C)	+ 100.0 psf	NO	NOT ALLOWED
(14B), (14C)	+ 50.0 psf	NO	ALLOWED
(14B), (14C)	+ 60.0 psf	NO	ALLOWED

† : IF POSITIVE ASD DESIGN WIND LOAD IS 50.0 psf OR LESS, NO OVERHANG IS REQUIRED. IF POSITIVE ASD DESIGN WIND LOAD IS LARGER THAN 50.0 psf, OVERHANG, IS REQUIRED.

- * SEE SILL RISER SCHEDULE ON THIS SHEET & DETAILS FOR REQUIREMENTS TO ACHIEVE WATER INFILTRATION CAPABILITIES BASED ON SILL RISERS (14A), (14B) OR (14C) AND EXISTING OVERHANG AT BUILDING.
- ** SEE SHEET 6 FOR LIMITATION FOR SMALL/LARGE MISSILE GIVEN THE GLASS TYPE
- *** SEE SCHEDULES #1 & #2 ON SHT. 9 FOR MAX. FRAME HEIGHT & MAX. D.L.O. HEIGHT AND ON CENTERS PANEL WIDTH FOR INTERMEDIATE DESIGN PRESSURES FOR UNREINFORCED OR REINFORCED MEETING STILES & ASTRAGAL.
- **** SEE HORIZONTAL SECTIONS FOR REQUIRED REINFORCEMENT (20) & (22) AT ASTRAGALS & REINFORCEMENT (21) AT MEETING STILES ON SHEETS 21, 22 & 23.
- ***** LIMITED TO ± 55 psf WHEN GLASS (E) OR (E1) IS USED.
- Δ SEE LIMITATIONS FOR TRACKS (1C), (2C), (3C) & (4C) ON NOTE Δ, SHEET 9.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

 P.E. SEAL/SIGNATURE/DATE	 TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. 44167	SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE		W.H. DRAWN BY:	
		 290 WEST 78 ROAD HIALEAH, FL 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.gigwindows.com		08/11/2023 DATE	
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1 OLD 21-114 08/11/23		2 - -		SHEET 8 OF 26	

SCHEDULE # 1

MAX. DOOR FRAME AND D.L.O HEIGHT* FOR A GIVEN A.S.D. WIND LOAD.
VALID FOR 2, 3, 4 & 5 TRACK Δ DOORS W/ UNREINFORCED MEETING
STILES AND UNREINFORCED DEEP ASTRAGAL (COMP. ⑦ + ⑩ + ⑩A)
AS PER SECTIONS K/21 & L/22, AND 5'-0" O.C. MAX. PANEL WIDTH**

A.S.D. WIND LOAD	MAX. DOOR FRAME HEIGHT			
	L ⁺ (ft-in)	D.L.O. (HEIGHT)	L ⁻ (ft-in)	D.L.O. (HEIGHT)
60.0 or LESS	10'-0"	9'-0 3/16"	10'-0"	9'-0 3/16"
62.0	9'-10"	8'-10 3/16"	9'-10"	8'-10 3/16"
64.0	9'-8"	8'-8 3/16"	9'-8"	8'-8 3/16"
66.0	9'-6"	8'-6 3/16"	9'-6"	8'-6 3/16"
68.0	9'-5"	8'-5 3/16"	9'-5"	8'-5 3/16"
70.0	9'-3"	8'-3 3/16"	9'-3"	8'-3 3/16"
72.0	9'-1"	8'-1 3/16"	9'-1"	8'-1 3/16"
74.0	8'-9"	7'-9 3/16"	8'-9"	7'-9 3/16"
76.0	8'-7"	7'-7 3/16"	8'-7"	7'-7 3/16"
78.0	8'-4"	7'-4 3/16"	8'-4"	7'-4 3/16"
80.0	8'-3"	7'-3 3/16"	8'-3"	7'-3 3/16"
82.0	8'-2"	7'-2 3/16"	8'-2"	7'-2 3/16"
84.0	8'-1"	7'-1 3/16"	8'-1"	7'-1 3/16"
86.0	8'-0"	7'-0 3/16"	8'-0"	7'-0 3/16"
88.0	7'-10"	6'-10 3/16"	7'-10"	6'-10 3/16"
90.0	7'-8"	6'-8 3/16"	7'-8"	6'-8 3/16"
92.0	7'-6"	6'-6 3/16"	7'-6"	6'-6 3/16"
94.0	7'-4"	6'-4 3/16"	7'-4"	6'-4 3/16"
96.0	7'-2"	6'-2 3/16"	7'-2"	6'-2 3/16"
98.0	7'-1"	6'-1 3/16"	7'-1"	6'-1 3/16"
100.0	7'-0"	6'-0 3/16"	7'-0"	6'-0 3/16"

* DEFINITIONS :

L⁺ : MAXIMUM DOOR FRAME & D.L.O HEIGHT FOR A GIVEN POSITIVE A.S.D. WIND LOAD.
SEE SCHEDULE ON SHEET 8 FOR SILL RISER REQUIREMENTS FOR WATER INFILTRATION.

L⁻ : MAXIMUM DOOR FRAME & D.L.O HEIGHT FOR A GIVEN NEGATIVE A.S.D. WIND LOAD.

L^{FINAL} : MINIMUM BETWEEN L⁺, L⁻ FOR A GIVEN A.S.D. WIND LOAD ON A JOB.

** MAX. A.S.D. PRESSURE RATING FOR DOORS WITH "SHALLOW" ASTRAGAL PER SECTION M/23 AND
/OR WITH ⑪ HOOK STRIP (POCKET DOORS) PER SHT. 16 IS ± 55.0 psf, VALID FOR UP TO
120" FRAME HEIGHT & 5'-0" O.C. PANEL WIDTH.

MAX. A.S.D. PRESSURE RATING FOR DOORS W/ CORNERS AT 90° W/ ⑫, ⑬ PER SHT. 15
VARIES WITH SILL RISER, USE ⑭A, ⑭B PER SCHEDULE ON SHT. 8, BUT NOT TO EXCEED
± 60 p.s.f. VALID FOR UP TO 120" MAX. DOOR HEIGHT & 5'-0" O.C. MAX. PANEL WIDTH.

Δ TRACKS ①C, ②C, ③C & ④C ARE LIMITED TO INSTALLATIONS WITH -60 psf MAX. A.S.D.
NEGATIVE PRESSURE RATING, AND FOR +50 psf MAX. A.S.D. POSITIVE PRESSURE RATING, IF USED
WITH SILL RISER ①A, AND +55 p.s.f., IF USED WITH SILL RISER ①C FOR BOTH LIGHT
(COMP. ⑩) OR HEAVY (COMP. ⑩ + ⑩A) ASTRAGAL OR IF USED WITH 90° CORNER ACTIVE &
INACTIVE PROFILES (COMP. ⑫, ⑬).

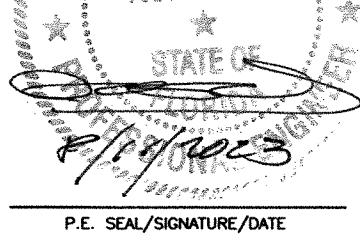
SCHEDULE # 2

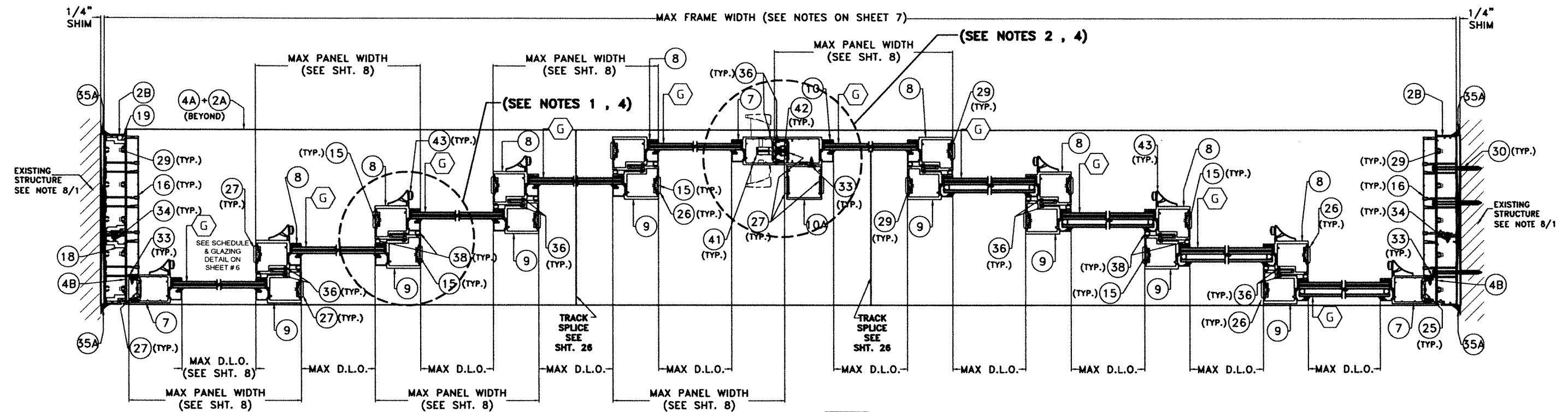
MAX. DOOR FRAME AND D.L.O HEIGHT* FOR A GIVEN A.S.D. WIND LOAD, VALID FOR
2, 3, 4 & 5 TRACK Δ DOORS W/ REINFORCED MEETING STILES AND
REINFORCED DEEP ASTRAGAL (COMP. ⑦ + ⑩ + ⑩A) AS PER
SECTIONS K/21 & L/22, AND
4'-2" O.C. MAX. PANEL WIDTH**

A.S.D. WIND LOAD	MAX. DOOR FRAME HEIGHT			
	L ⁺ (ft-in)	D.L.O. (HEIGHT)	L ⁻ (ft-in)	D.L.O. (HEIGHT)
+70.0, -70.0 or LESS	12'-0"	11'-0 3/16"	12'-0"	11'-0 3/16"
72.0	11'-6"	10'-6 3/16"	11'-10"	10'-10 3/16"
74.0	11'-0"	10'-0 3/16"	11'-8"	10'-8 3/16"
76.0	10'-6"	9'-6 3/16"	11'-2"	10'-2 3/16"
78.0	10'-0"	9'-0 3/16"	11'-0"	10'-0 3/16"
80.0	9'-8"	8'-8 3/16"	10'-10"	9'-10 3/16"
82.0	9'-4"	8'-4 3/16"	10'-8"	9'-8 3/16"
84.0	9'-0"	8'-0 3/16"	10'-6"	9'-6 3/16"
86.0	8'-8"	7'-8 3/16"	10'-4"	9'-4 3/16"
88.0	8'-6"	7'-6 3/16"	10'-0"	9'-0 3/16"
90.0	8'-4"	7'-4 3/16"	9'-10"	8'-10 3/16"
92.0	8'-1"	7'-1 3/16"	9'-8"	8'-8 3/16"
94.0	7'-9"	6'-9 3/16"	9'-6"	8'-6 3/16"
96.0	7'-6"	6'-6 3/16"	9'-4"	8'-4 3/16"
98.0	7'-3"	6'-3 3/16"	9'-4"	8'-4 3/16"
100.0	7'-0"	6'-0 3/16"	9'-3"	8'-3 3/16"
102.0	-	-	9'-2"	8'-2 3/16"
104.0	-	-	9'-1"	8'-1 3/16"
106.0	-	-	9'-0"	8'-0 3/16"
108.0	-	-	8'-11"	7'-11 3/16"
110.0	-	-	8'-10"	7'-10 3/16"
112.0	-	-	8'-9"	7'-9 3/16"
114.0	-	-	8'-8"	7'-8 3/16"
116.0	-	-	8'-7"	7'-7 3/16"
118.0	-	-	8'-6"	7'-6 3/16"
120.0	-	-	8'-6"	7'-6 3/16"
122.0	-	-	8'-5"	7'-5 3/16"

CONTINUATION				
124.0	-	-	8'-4"	7'-4 3/16"
126.0	-	-	8'-3"	7'-3 3/16"
128.0	-	-	8'-2"	7'-2 3/16"
130.0	-	-	8'-1"	7'-1 3/16"
132.0	-	-	8'-0"	7'-0 3/16"
134.0	-	-	8'-0"	7'-0 3/16"
136.0	-	-	7'-11"	6'-11 3/16"
138.0	-	-	7'-10"	6'-10 3/16"
140.0	-	-	7'-10"	6'-10 3/16"
142.0	-	-	7'-10"	6'-10 3/16"
144.0	-	-	7'-9"	6'-9 3/16"
146.0	-	-	7'-7"	6'-7 3/16"
148.0	-	-	7'-7"	6'-7 3/16"
150.0	-	-	7'-6"	6'-6 3/16"
152.0	-	-	7'-6"	6'-6 3/16"
154.0	-	-	7'-5"	6'-5 3/16"
156.0	-	-	7'-5"	6'-5 3/16"
158.0	-	-	7'-4"	6'-4 3/16"
160.0	-	-	7'-4"	6'-4 3/16"
162.0	-	-	7'-4"	6'-4 3/16"
164.0	-	-	7'-3"	6'-3 3/16"
166.0	-	-	7'-3"	6'-3 3/16"
168.0	-	-	7'-2"	6'-2 3/16"
170.0	-	-	7'-2"	6'-2 3/16"
172.0	-	-	7'-1"	6'-1 3/16"
174.0	-	-	7'-1"	6'-1 3/16"
176.0	-	-	7'-0"	6'-0 3/16"
177.0	-	-	7'-0"	6'-0 3/16"

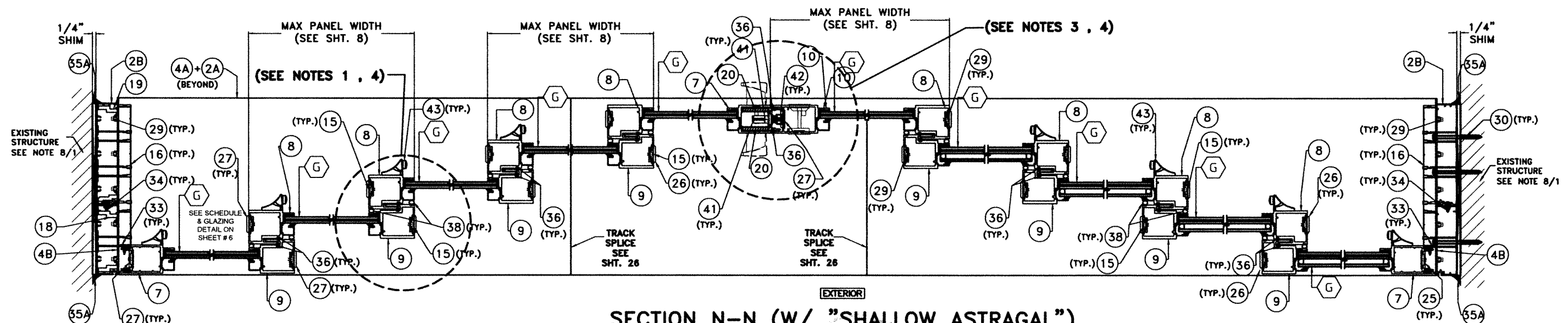
FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

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REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE	SHEET 9 OF 26
1	OLD 21-114	08/11/23	2	-	-	



SECTION N-N (W/ "DEEP ASTRAGAL")

N.T.S.
(SEE SHEET 7 FOR NOTES ON 2, 3 & 4 TRACK CONFIGURATION)



SECTION N-N (W/ "SHALLOW ASTRAGAL")

N.T.S.
(SEE SHEET 7 FOR NOTES ON 2, 3 & 4 TRACK CONFIGURATION)

NOTES:

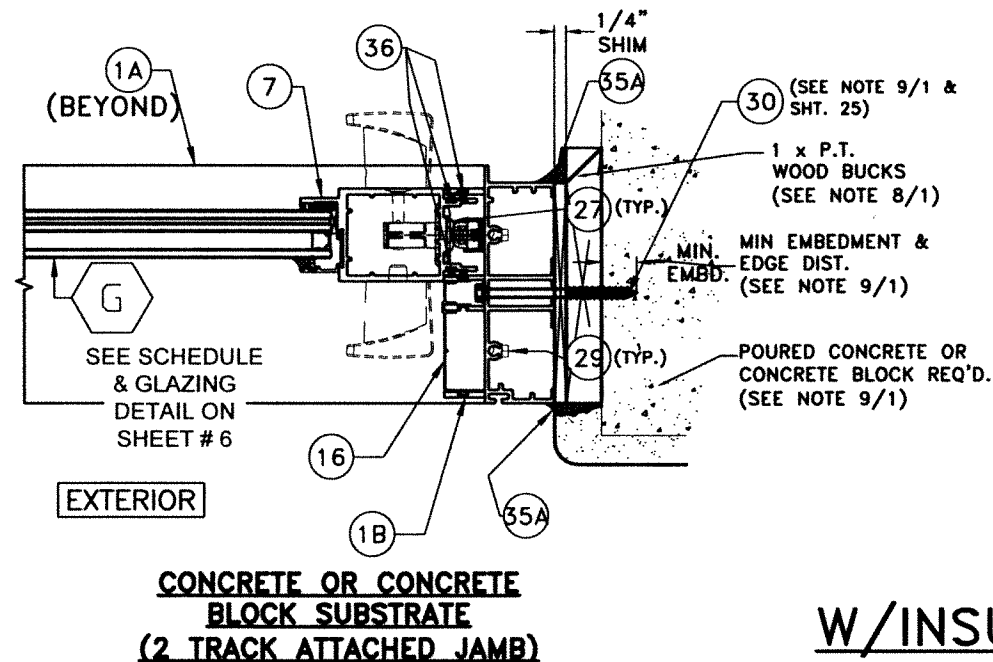
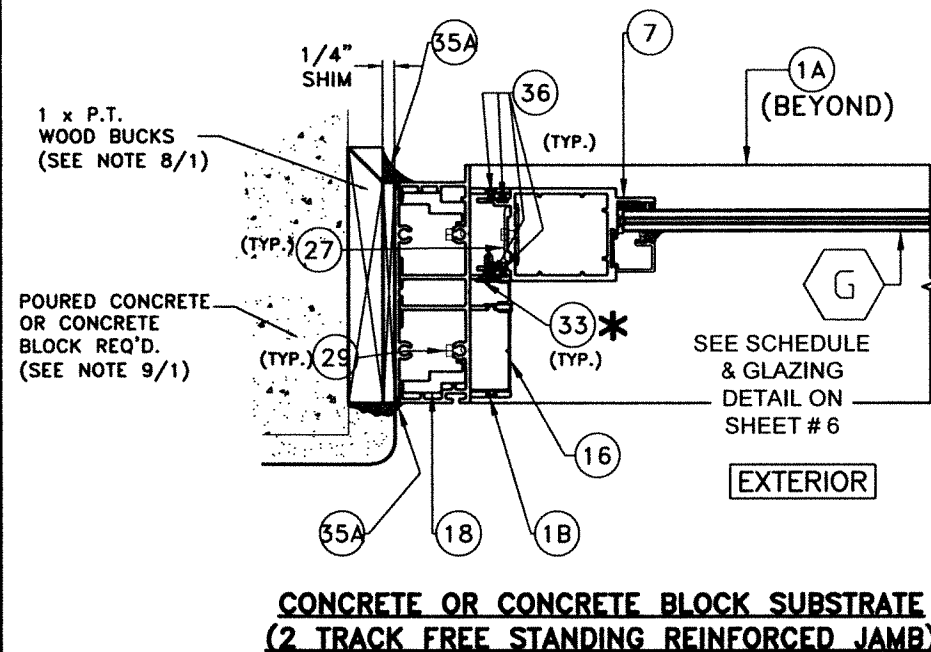
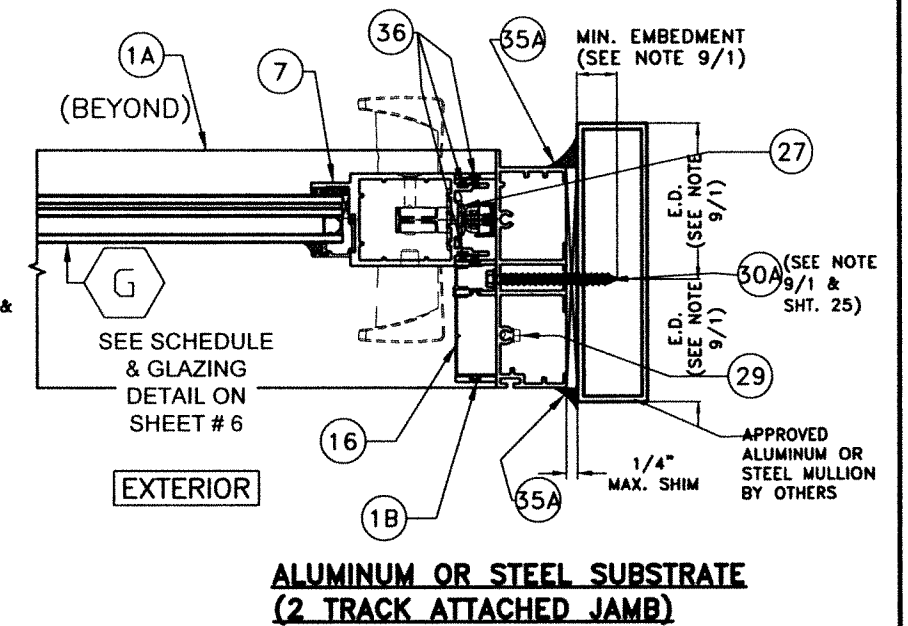
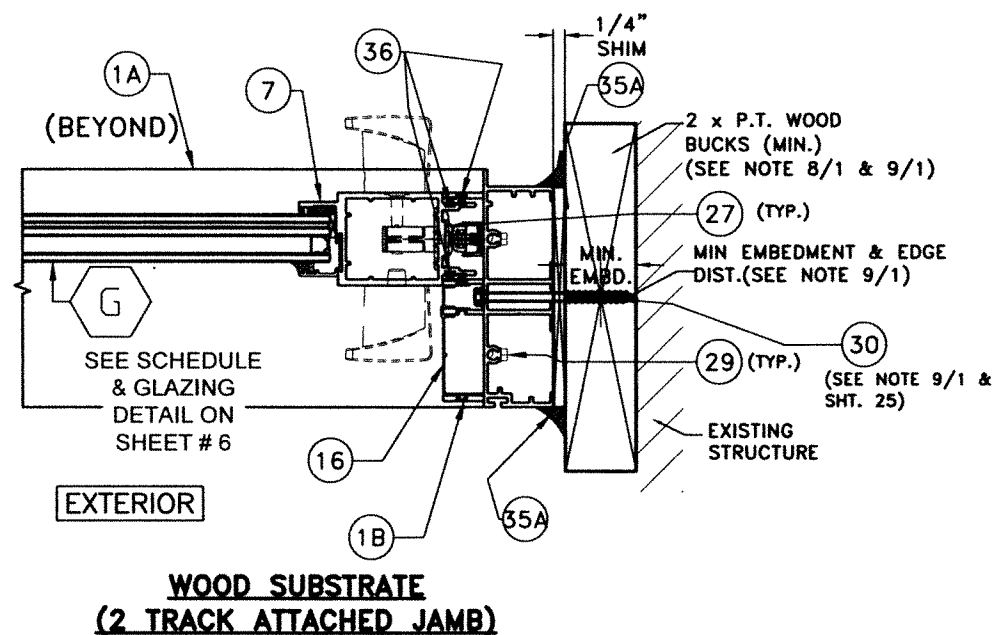
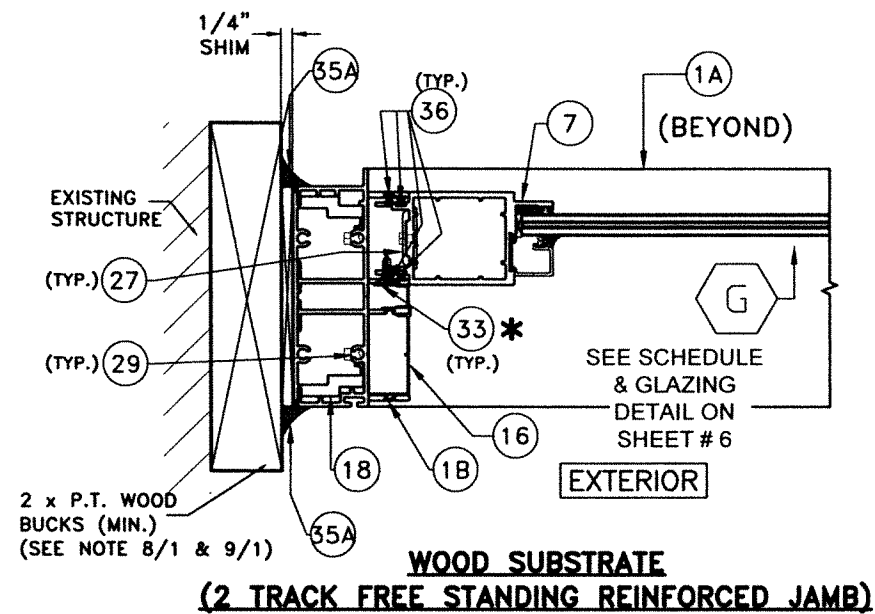
- 1- SEE SHEET 21 FOR REINFORCED & UNREINFORCED MEETING STILES DETAILS.
- 2- SEE SHEET 22 FOR REINFORCED & UNREINFORCED "DEEP ASTRAGAL" DETAILS.
- 3- SEE SHEET 23 FOR REINFORCED "SHALLOW ASTRAGAL" DETAILS.
- 4- SEE SCHEDULE ON SHEET 8 FOR REINFORCED REQUIREMENTS FOR ASTRAGALS & MEETING STILES.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

WALTER A. TILLIT JR., P.E.
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				23-173 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-
					SHEET 10 OF 26



SECTIONS E-E
W/INSULATED OR LAMINATED GLASS
(2 TRACK)

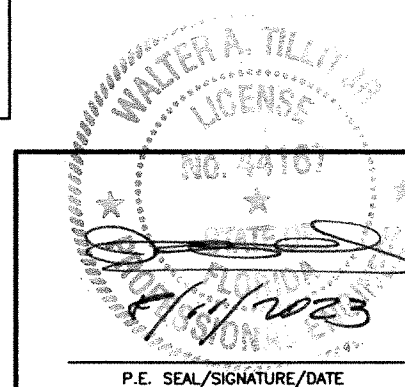
N.T.S.

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 25

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

* FIX PANEL ASSEMBLY REQUIRES COMPONENT
 (33) AT TOP & BOTTOM 1" FROM EDGES AND
 AT 8" O.C.



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**SERIES 26000 HIGH IMPACT SLIDING
GLASS DOOR / LARGE AND SMALL MISSILE**

W.H
DRAWN BY:

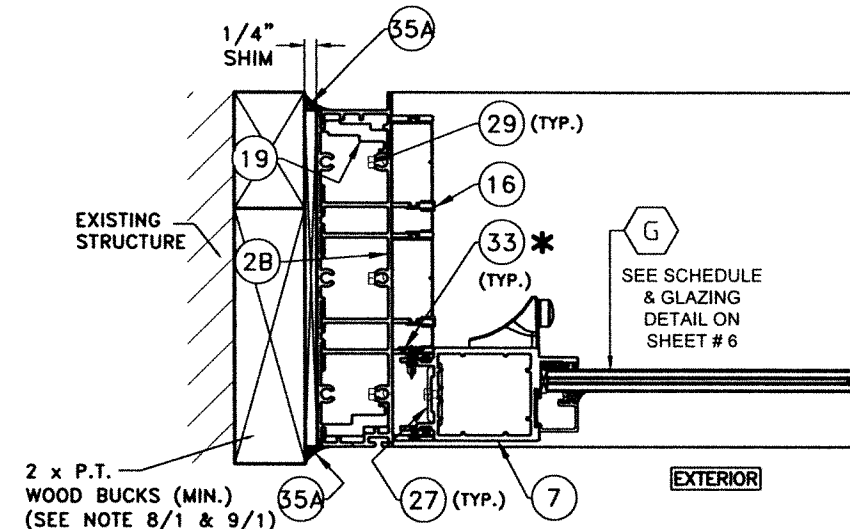
08/11/2023
DATE

23-173
DRAWING No

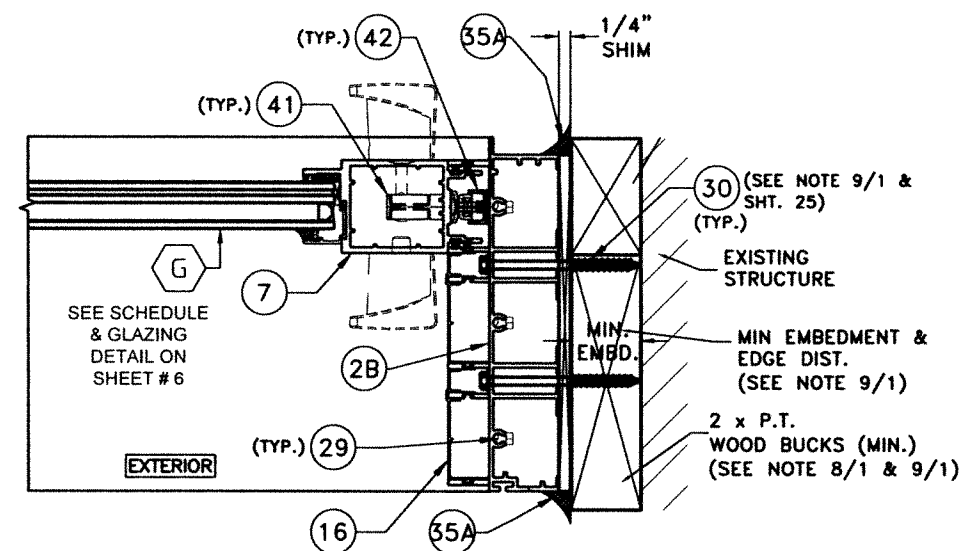
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FAX: (305)558-6665
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-

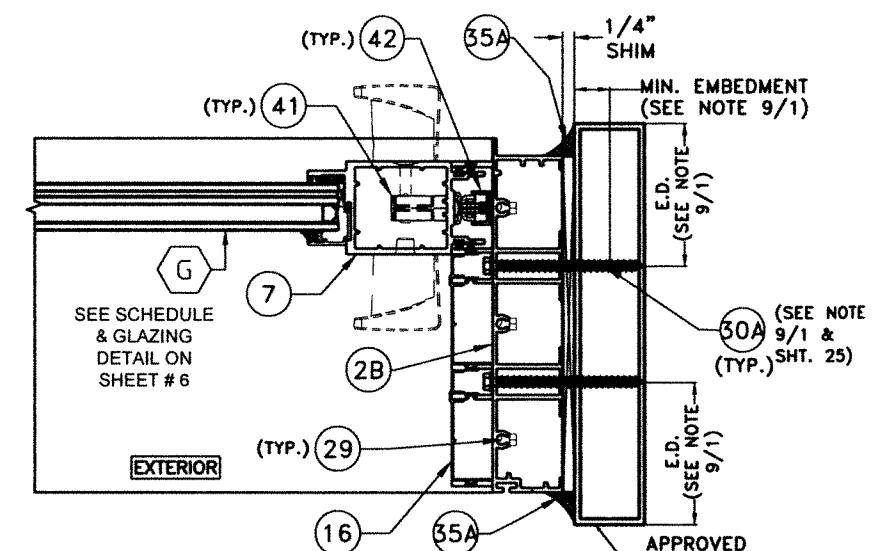
SHEET 11 OF 26



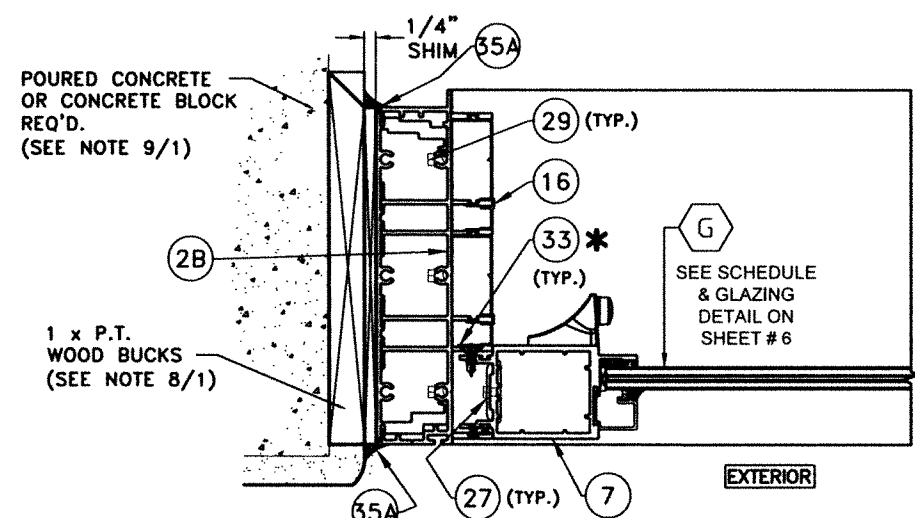
**WOOD SUBSTRATE
(3 TRACK REINFORCED JAMB)**



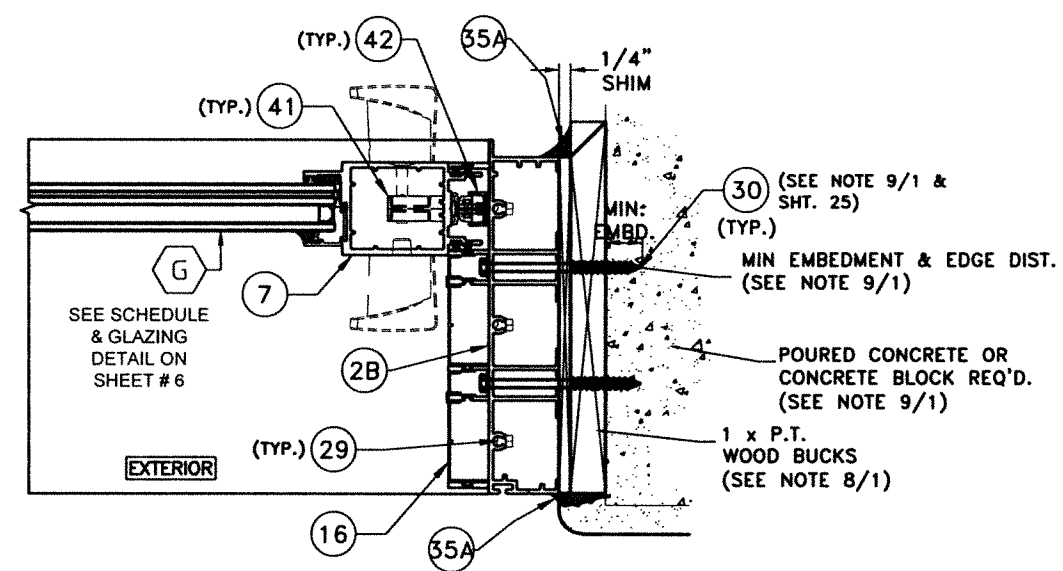
**WOOD SUBSTRATE
(3 TRACK ATTACHED JAMB)**



**ALUMINUM OR STEEL SUBSTRATE
(3 TRACK ATTACHED JAMB)**



**CONCRETE OR CONCRETE BLOCK SUBSTRATE
(3 TRACK FREE STANDING ATTACHED JAMB)**



**CONCRETE OR CONCRETE BLOCK SUBSTRATE
(3 TRACK ATTACHED JAMB)**

**SECTIONS F-F
W/LAMINATED OR INSULATED GLASS
(3 TRACK)
N.T.S.**

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 25

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

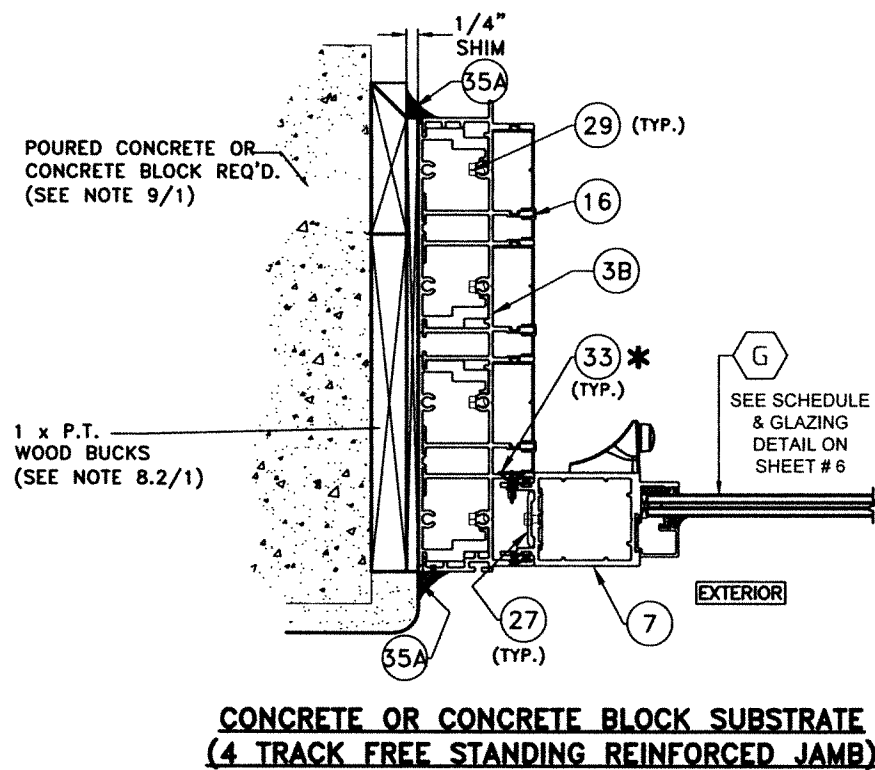
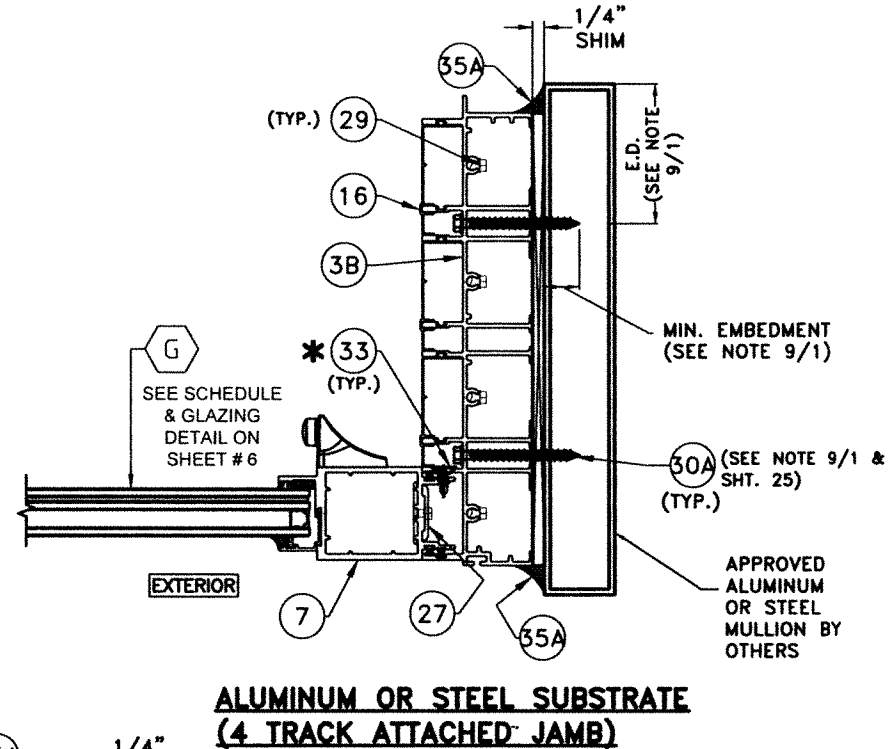
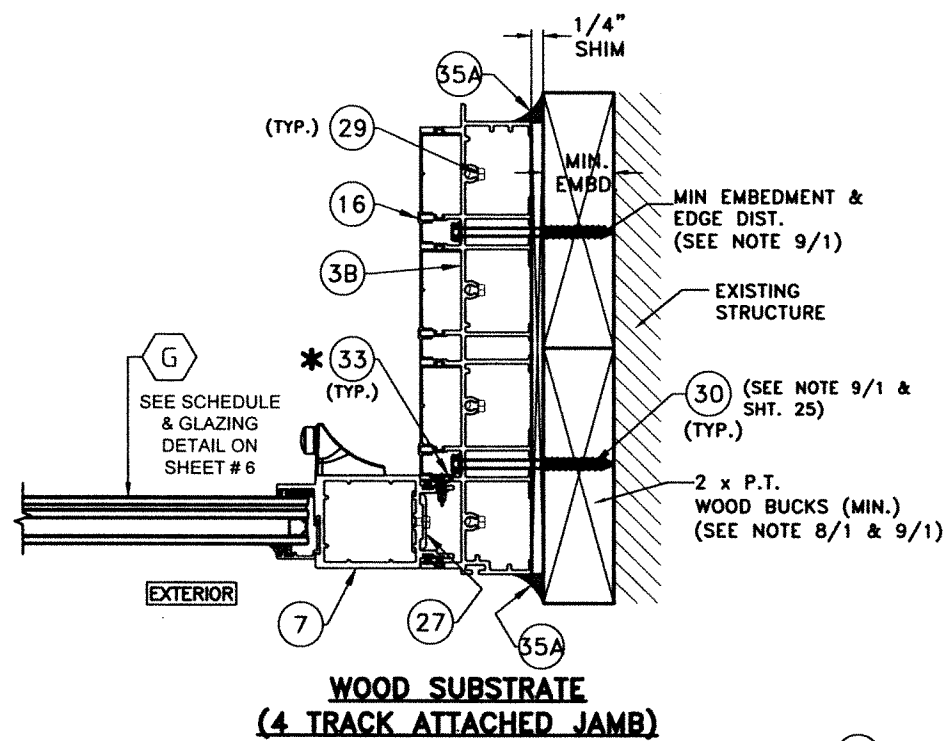
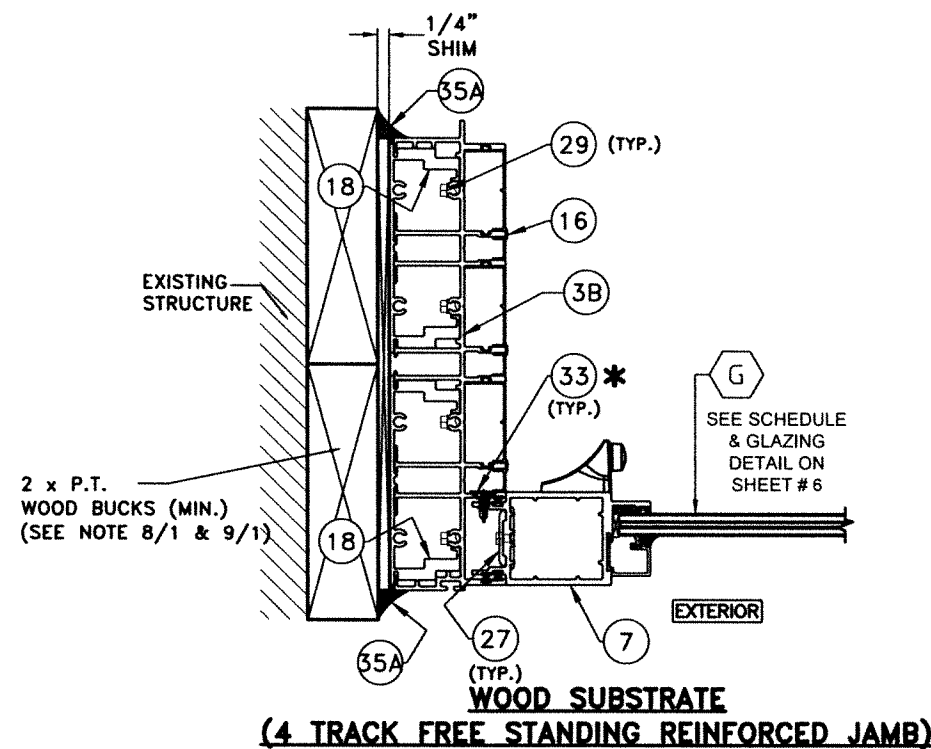
NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

*** FIX PANEL ASSEMBLY REQUIRES COMPONENT 33 AT TOP & BOTTOM 1" FROM EDGES AND AT 8" O.C.**

WALTER A. TILLIT JR.
LICENSE
No. 44167
8/11/2023
P.E. SEAL/SIGNATURE/DATE

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

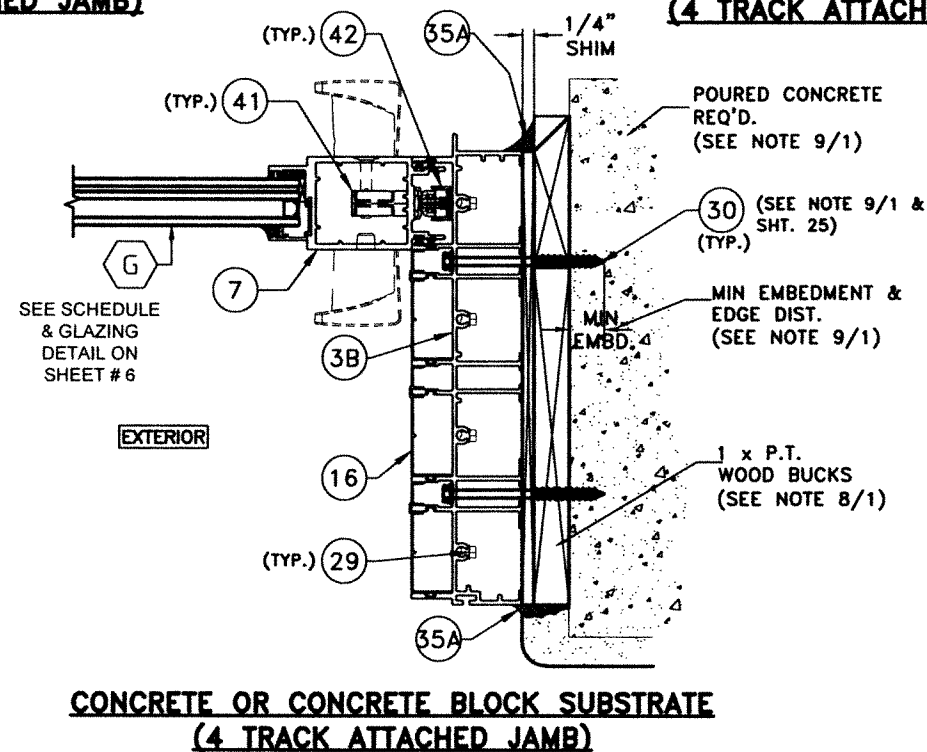
FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)					
SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE					W.H. DRAWN BY:
 290 WEST 78 ROAD HIALEAH, FL 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.gigwindows.com					08/11/2023 DATE
					23-173 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-
					SHEET 12 OF 26



NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 25

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6



SECTIONS G-G

W/LAMINATED OR INSULATED GLASS

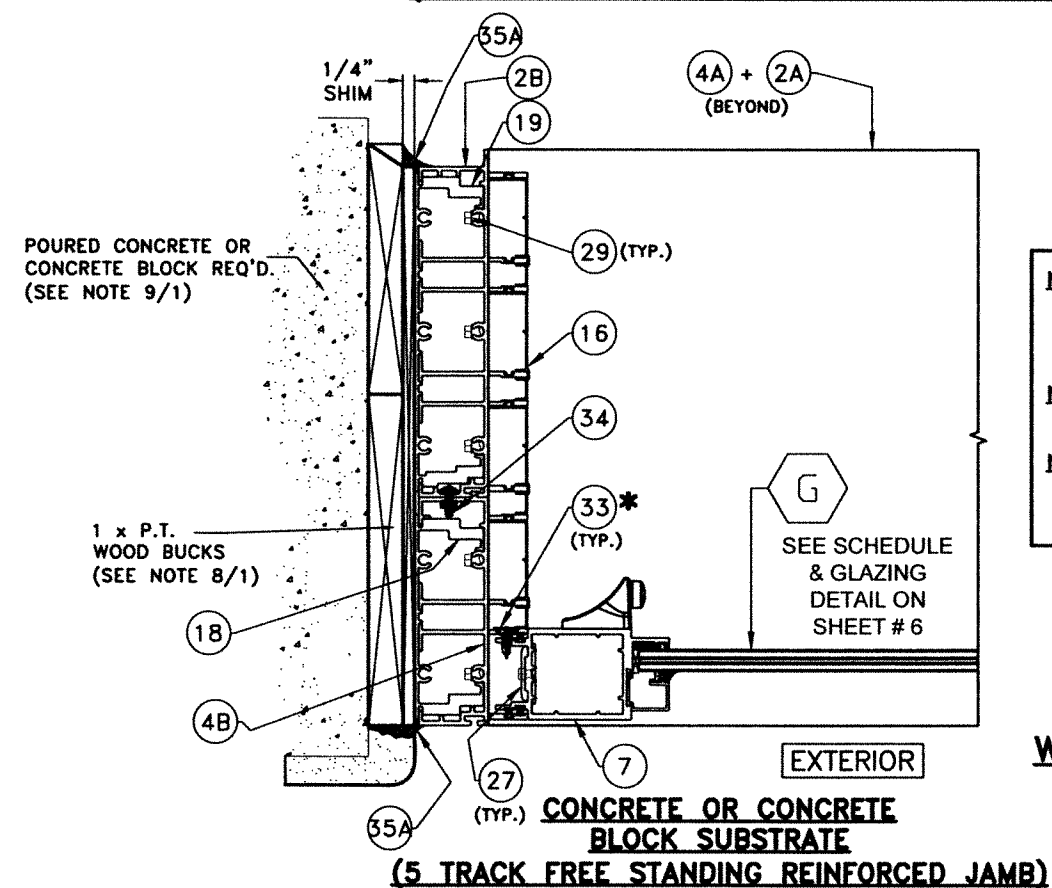
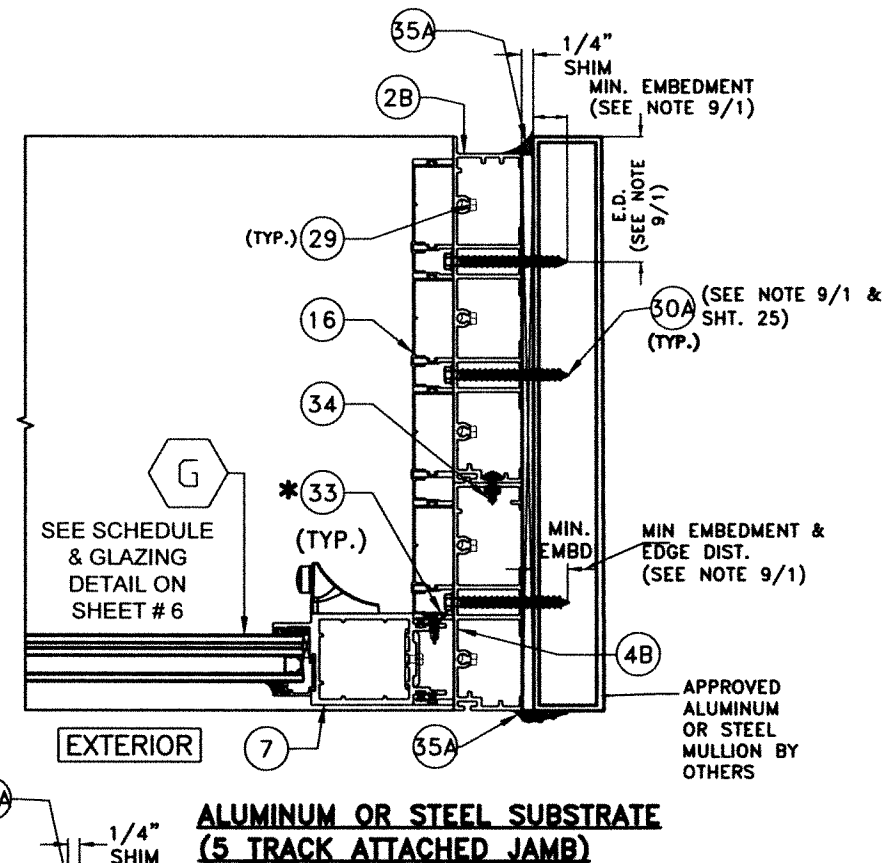
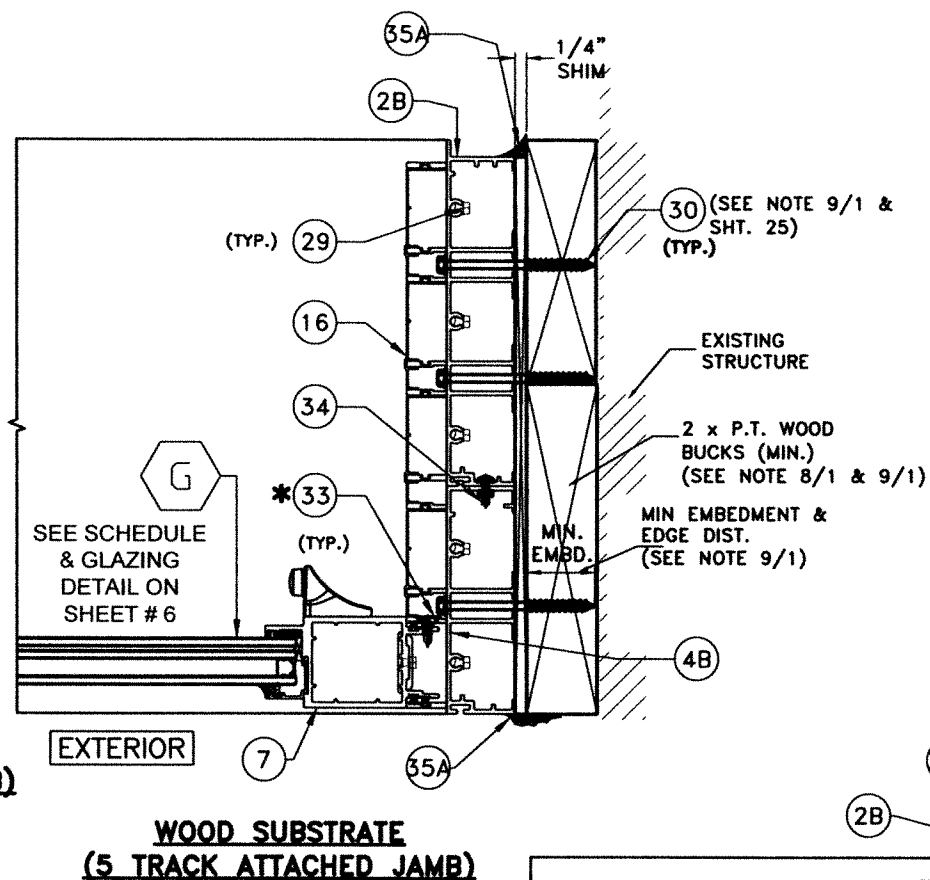
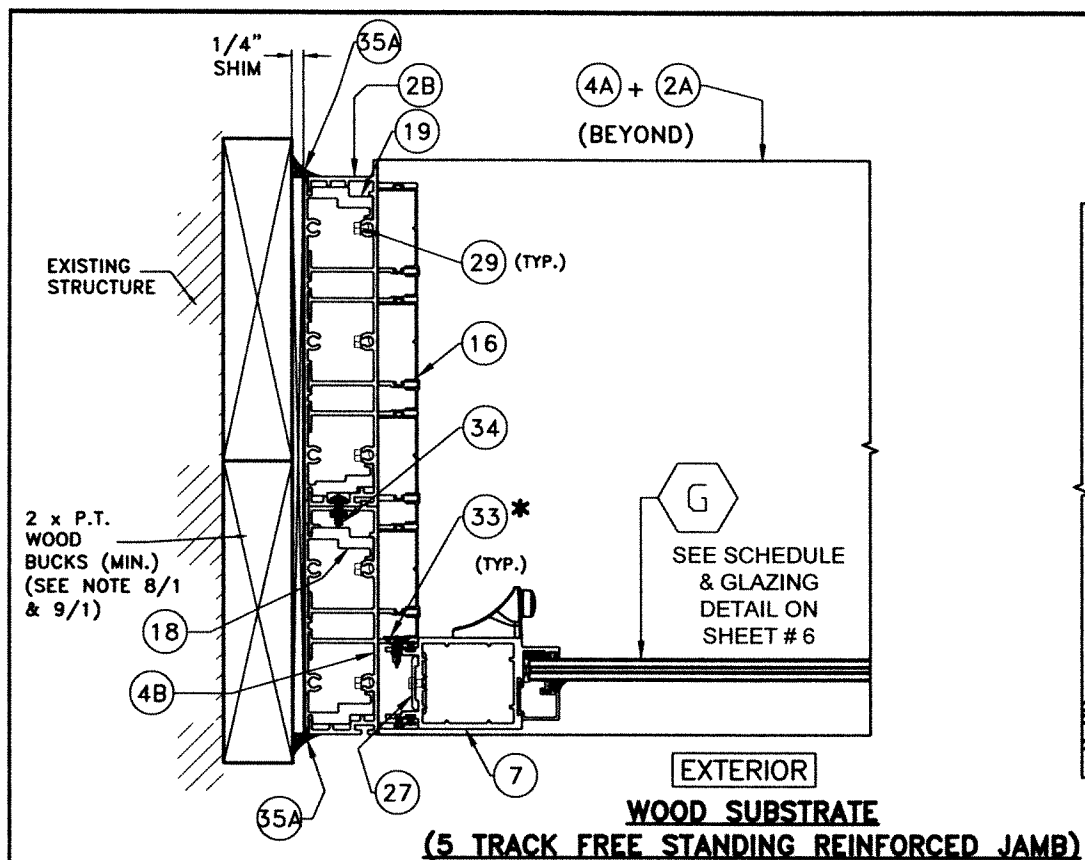
(4 TRACK)

* FIX PANEL ASSEMBLY REQUIRES COMPONENT **33** AT TOP & BOTTOM 1" FROM EDGES AND AT 8" O.C.

N.T.S.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

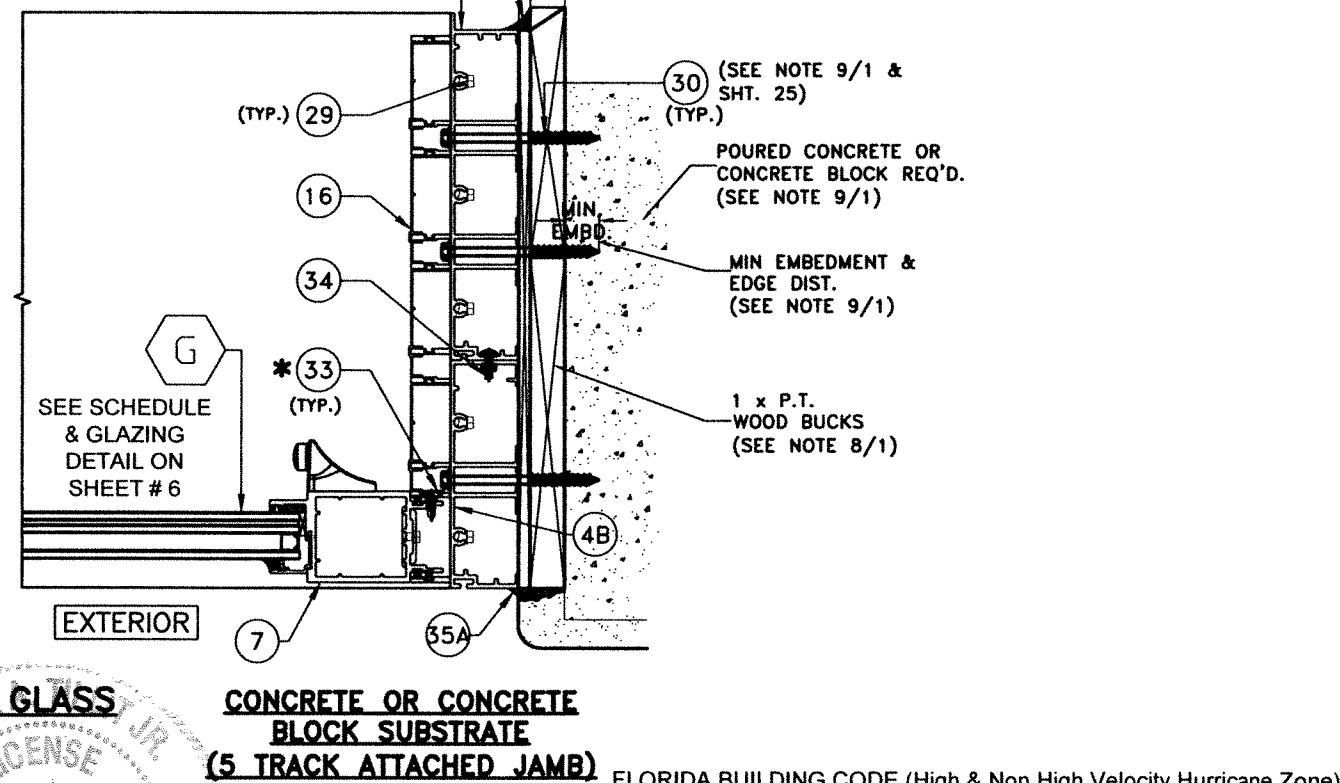
P.E. SEAL/SIGNATURE/DATE		TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 Fax: (305)871-1531 e-mail: tilteco@aol.com CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. 44167		SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE		W.H. DRAWN BY:	
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REV. NO. DESCRIPTION DATE		REV. No. DESCRIPTION DATE		23-173 DRAWING No		SHEET 13 OF 26	
1 OLD 21-114 08/11/23		2 - - -					



NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 25

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6



**SECTIONS H-H
W/LAMINATED OR INSULATED GLASS
(5 TRACK)**
N.T.S.

*** FIX PANEL ASSEMBLY REQUIRES COMPONENT 33 AT TOP & BOTTOM 1" FROM EDGES AND AT 8" O.C.**

P.E. SEAL/SIGNATURE/DATE

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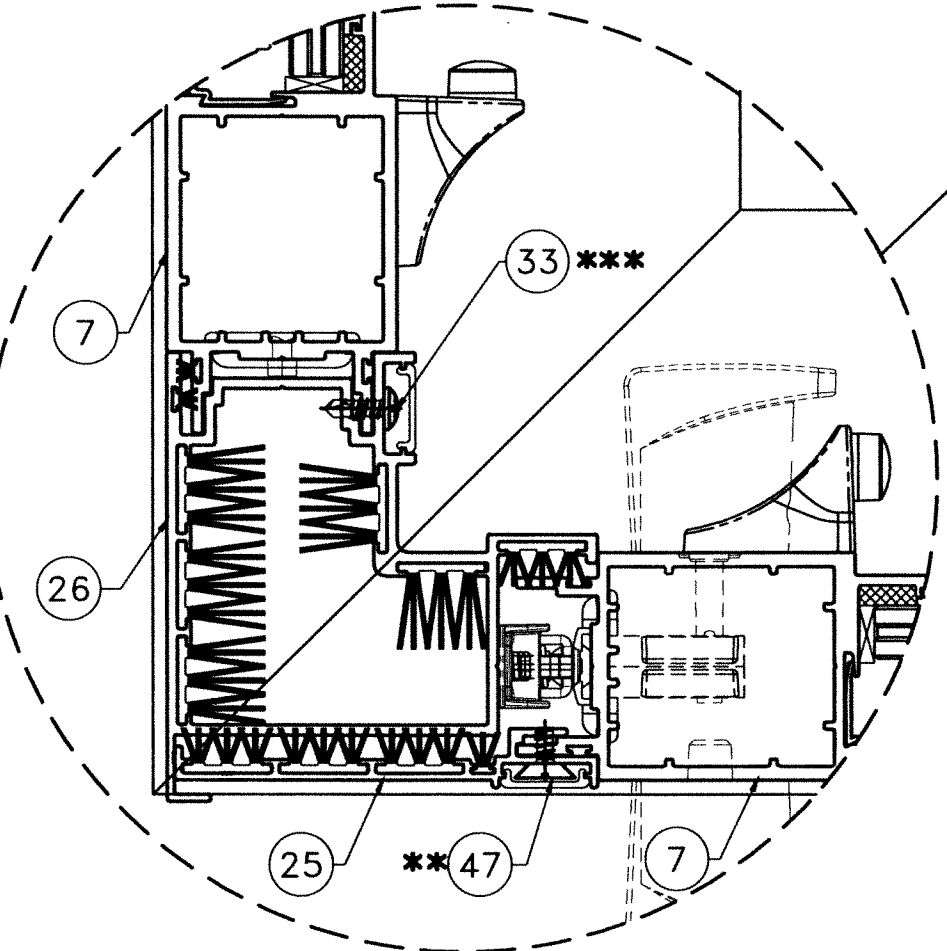
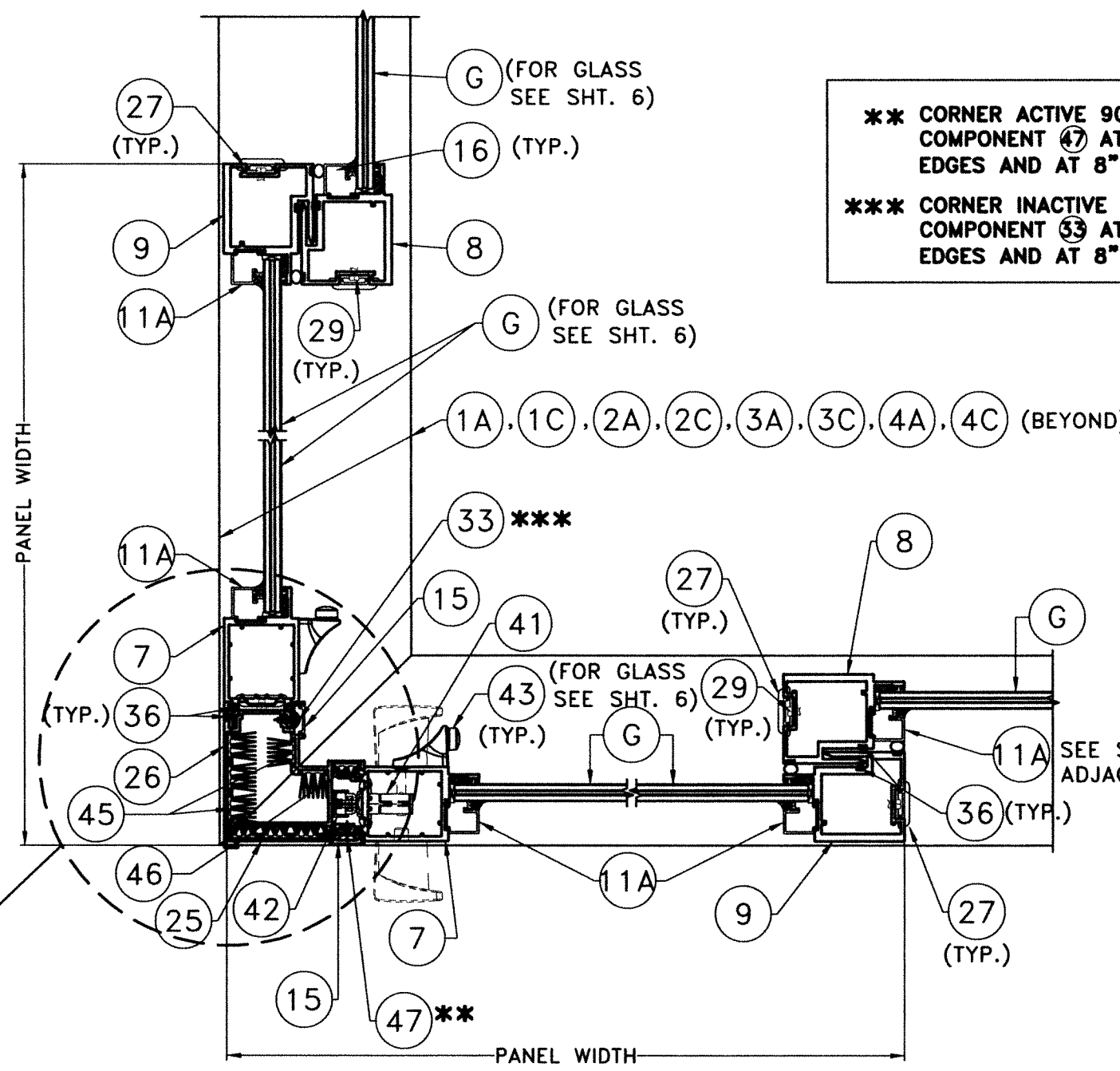
WALTER A. TILLIT Jr., P.E.

FLORIDA Lic. 44167

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						23-173 DRAWING No
REV. No	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
1	OLD 21-114	08/11/23	2	-	-	

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

**** CORNER ACTIVE 90° 25 ASSEMBLY REQUIRES COMPONENT 47 AT TOP & BOTTOM 3" FROM EDGES AND AT 8" O.C.**
***** CORNER INACTIVE 90° 26 ASSEMBLY REQUIRES COMPONENT 33 AT TOP & BOTTOM 3" FROM EDGES AND AT 8" O.C.**

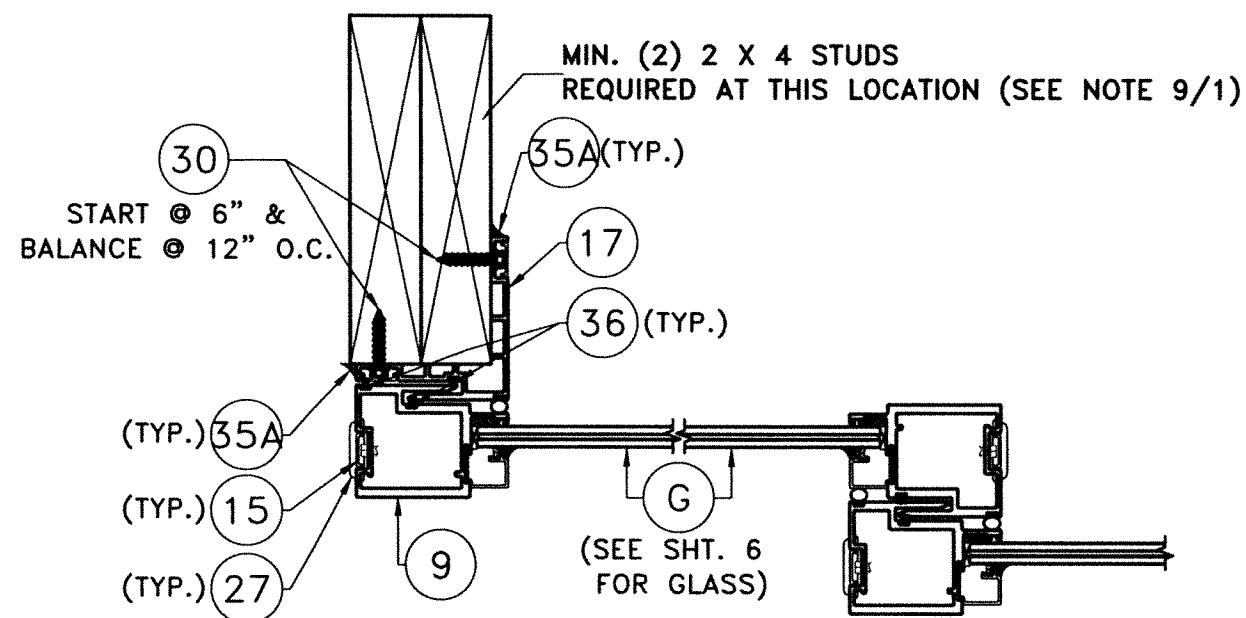


EXTERIOR

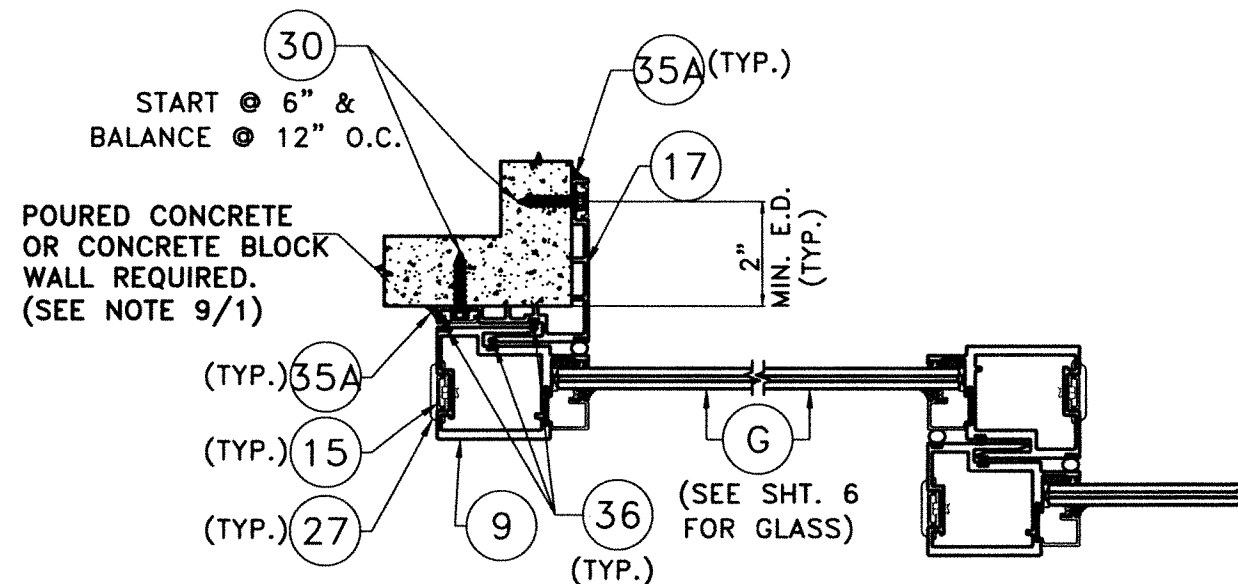
SECTION I-I
 N.T.S.
 (2, 3, 4, & 5 TRACK)

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

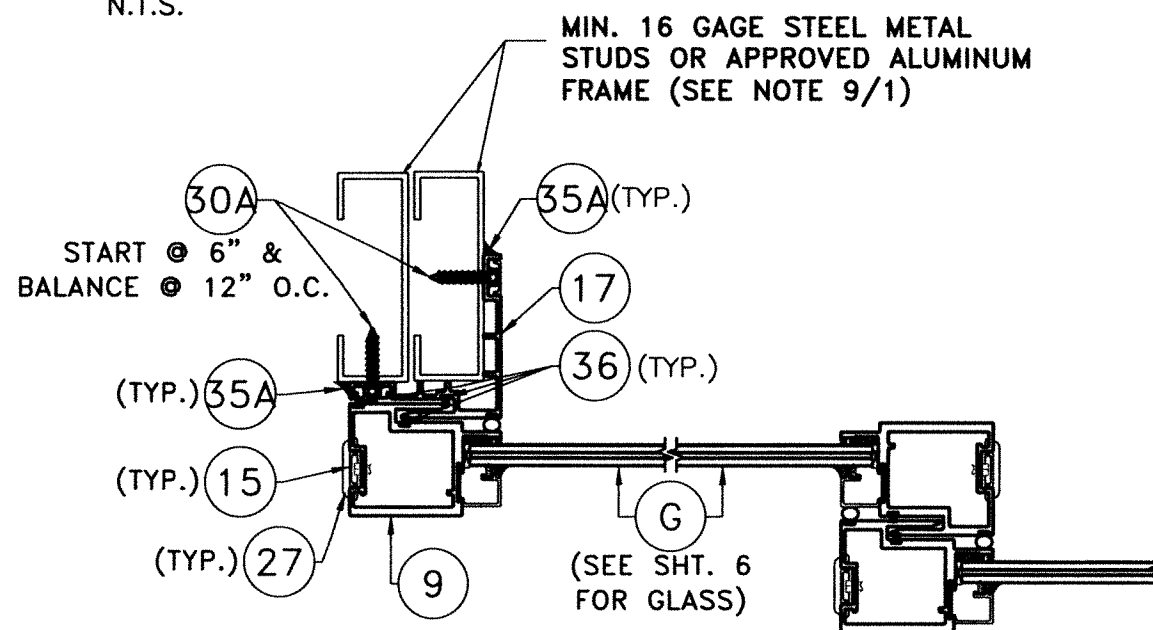
P.E. SEAL/SIGNATURE/DATE	© 2023 TILTECO INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tilteco@aol.com CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. 44167	SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE		W.H. DRAWN BY:
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1 OLD 21-114 08/11/23		2 - -		23-173 DRAWING No
SHEET 15 OF 26				



WOOD SUBSTRATE
N.T.S.



**POURED CONCRETE OR
CONCRETE BLOCK SUBSTRATE**
N.T.S.



STEEL STUDS SUBSTRATE
N.T.S.

SECTIONS J-J
POCKET DOOR DETAIL W/ 17
(2-5 TRACK DOORS)*

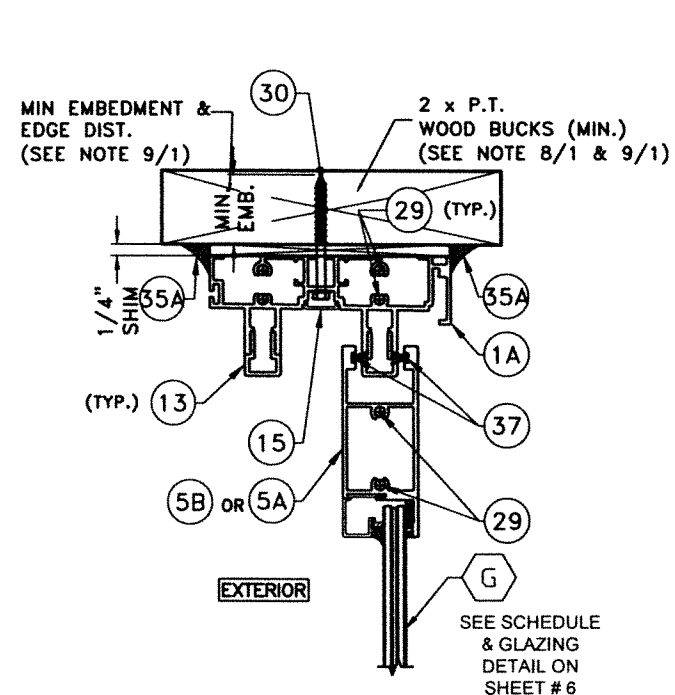
* VALID ONLY FOR MAX. A.S.D. PRESSURE RATING OF ± 55.0 psf, MAX. FRAME HEIGHT OF 120" & MAX. PANEL WIDTH OF 5'-0" O.C.

WALTER A. TILLIT JR.
P.E. SEAL/SIGNATURE/DATE
8/10/2023

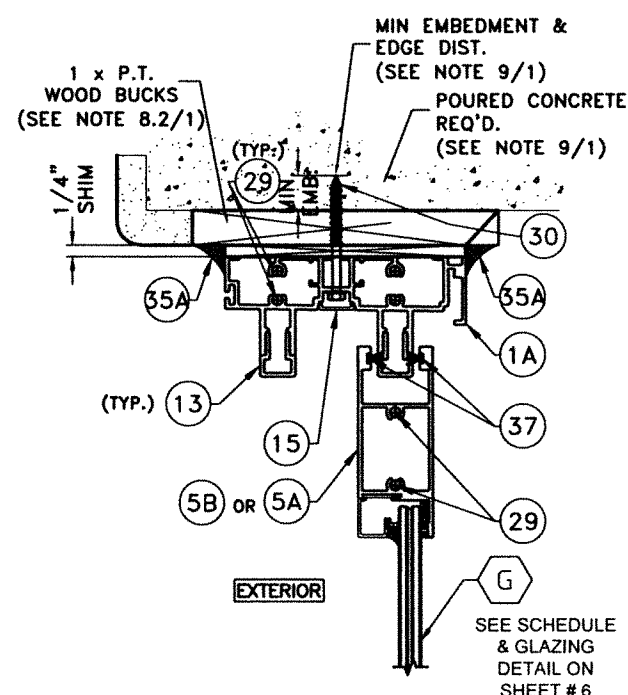
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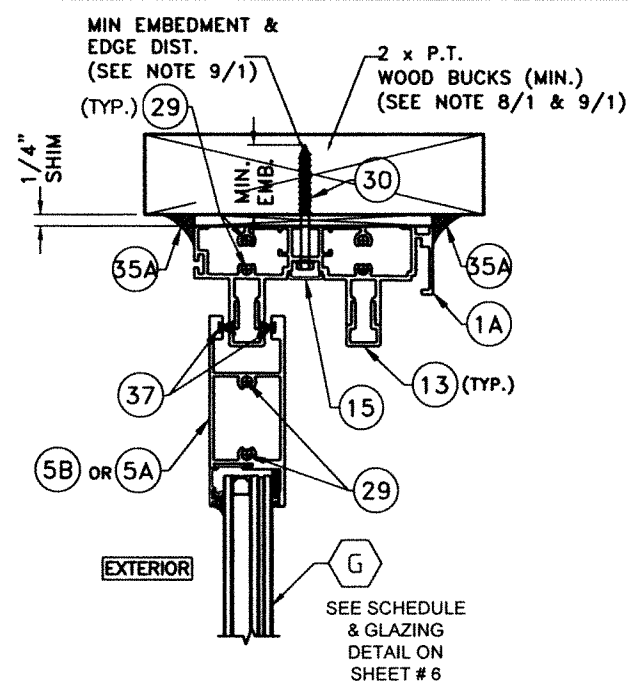
SERIES 28000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE						W.H. DRAWN BY:
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						23-173 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
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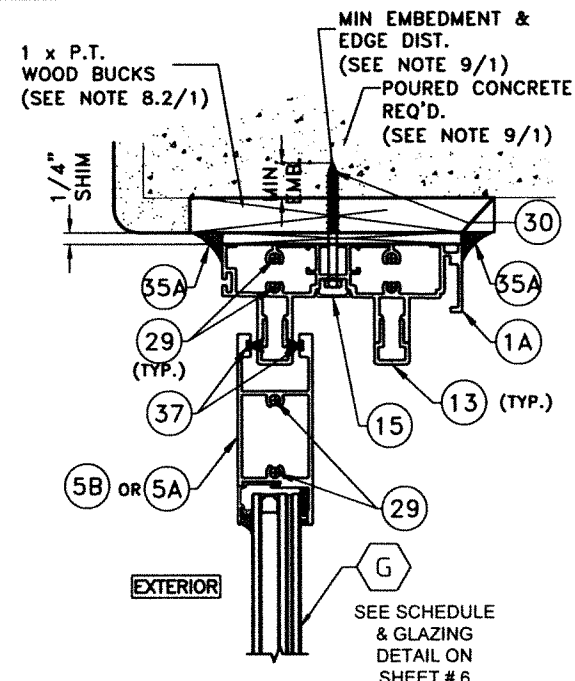
**WOOD SUBSTRATE *
(2 TRACK HEAD)**



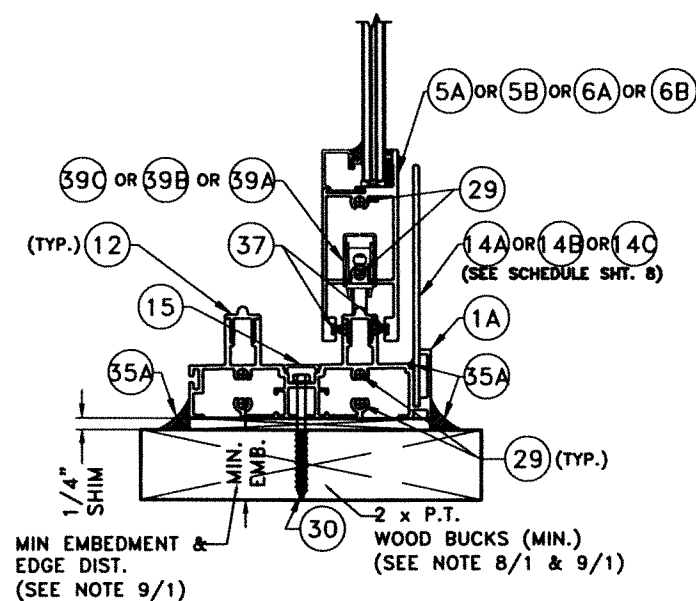
**CONCRETE SUBSTRATE *
(2 TRACK HEAD)**



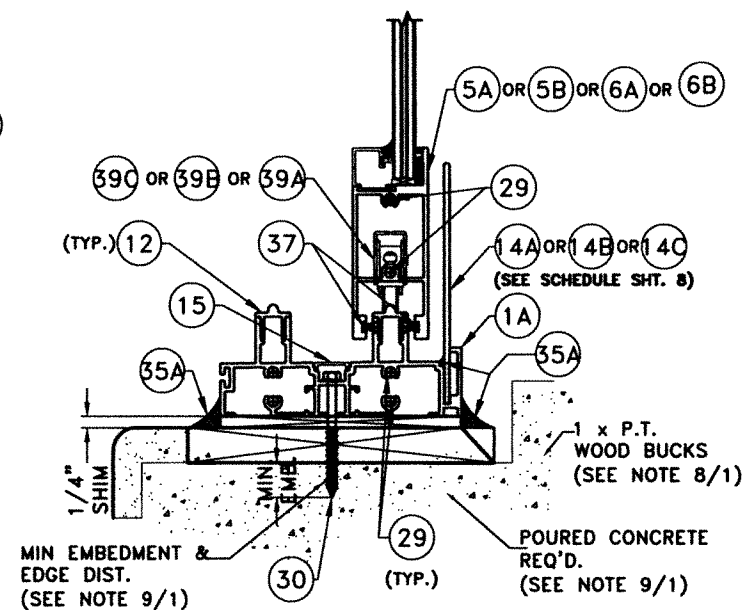
**WOOD SUBSTRATE *
(2 TRACK HEAD)**



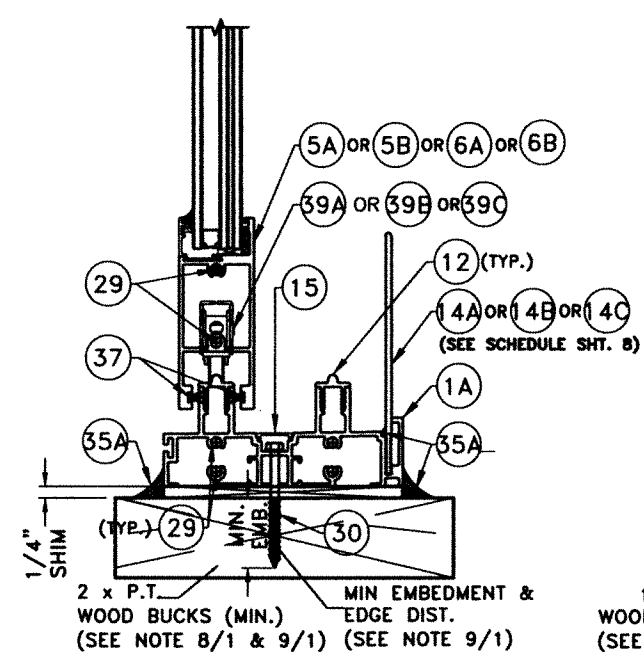
**CONCRETE SUBSTRATE *
(2 TRACK HEAD)**



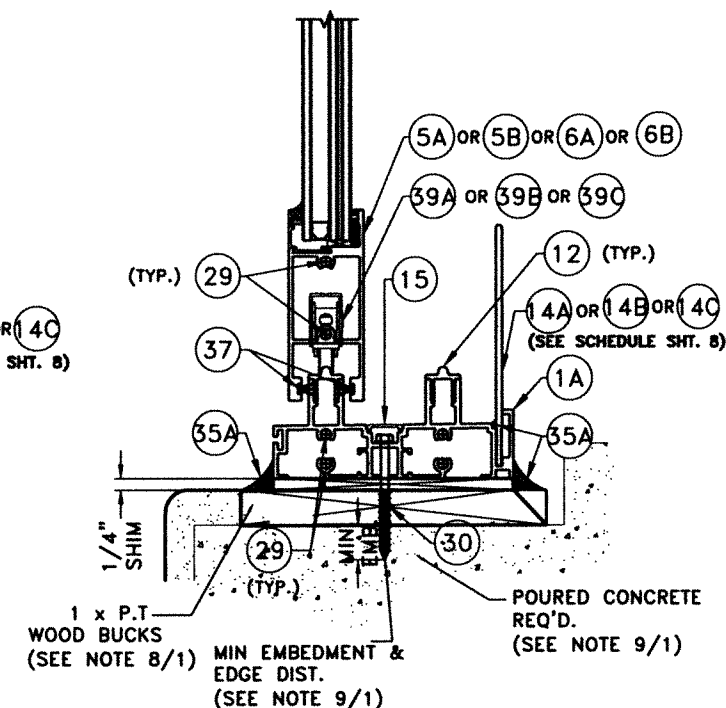
**WOOD SUBSTRATE
(2 TRACK SILL)**



**CONCRETE SUBSTRATE
(2 TRACK SILL)**



**WOOD SUBSTRATE
(2 TRACK SILL)**



**CONCRETE SUBSTRATE
(2 TRACK SILL)**

**SECTIONS A-A
W/LAMINATED GLASS
2 TRACK**

N.T.S.

**SECTIONS A-A
W/INSULATED GLASS
2 TRACK**

N.T.S. FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

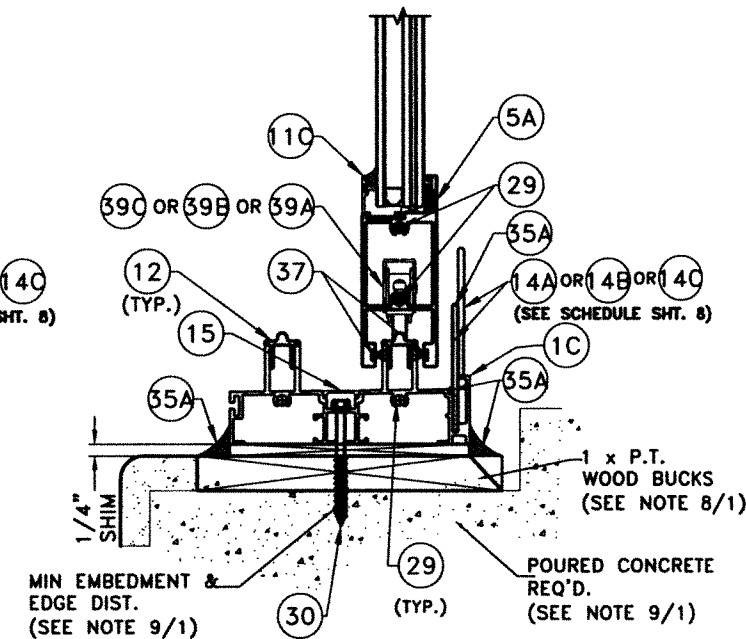
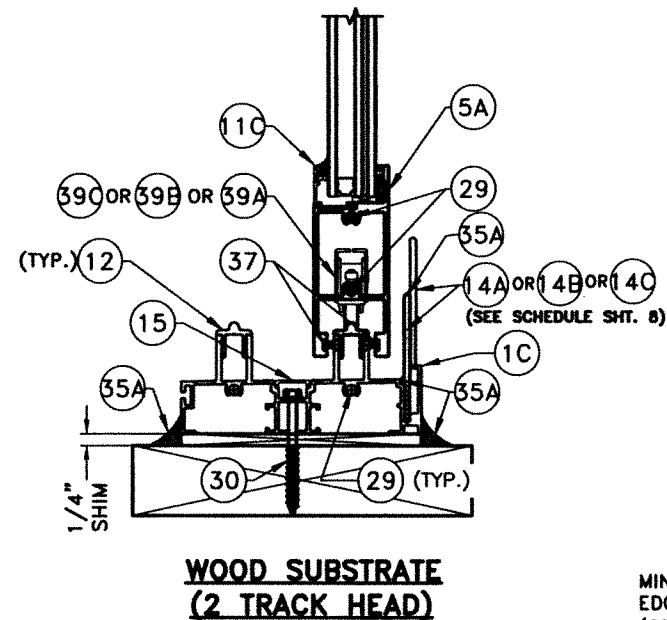
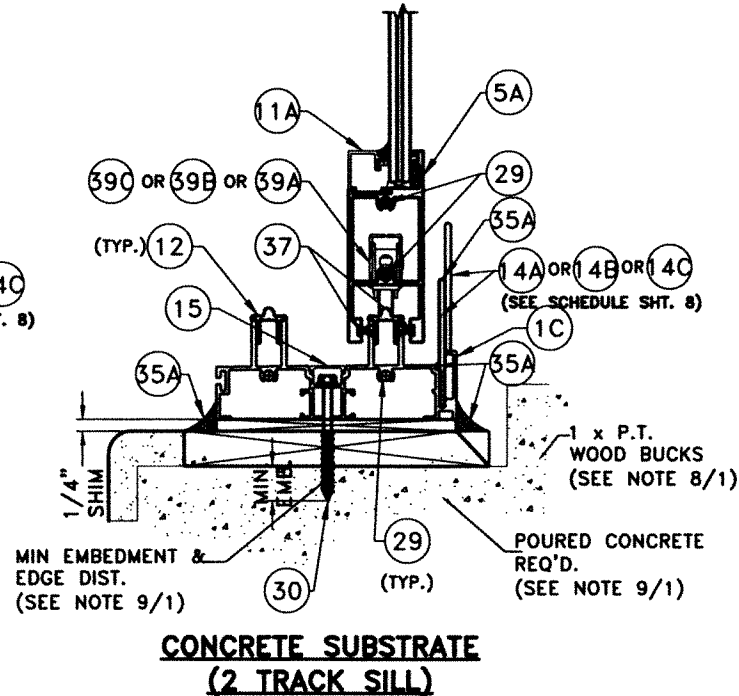
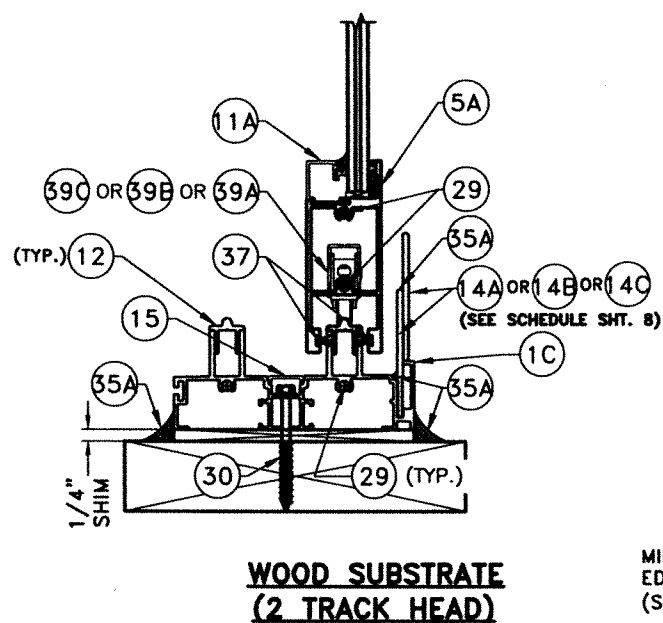
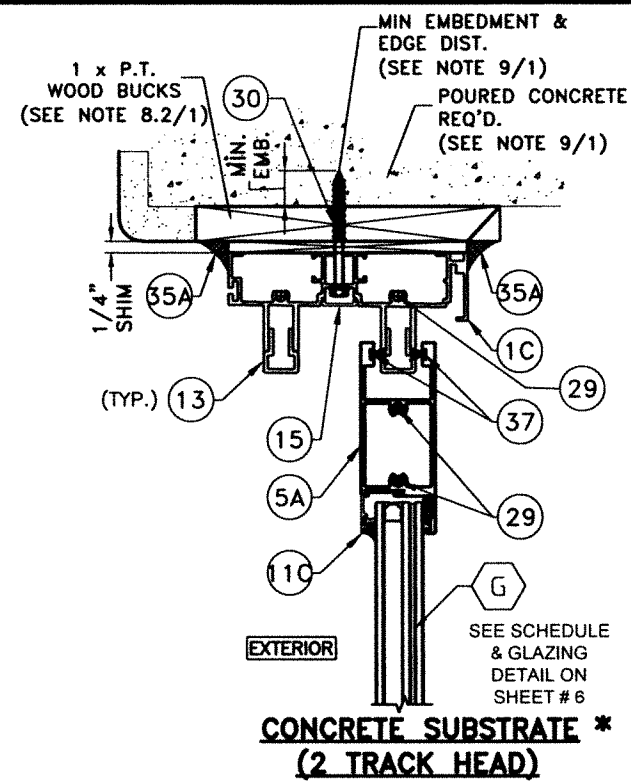
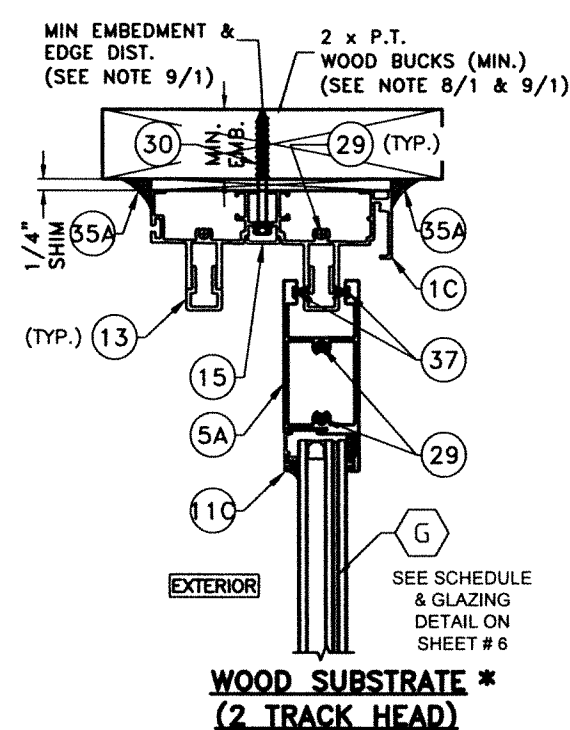
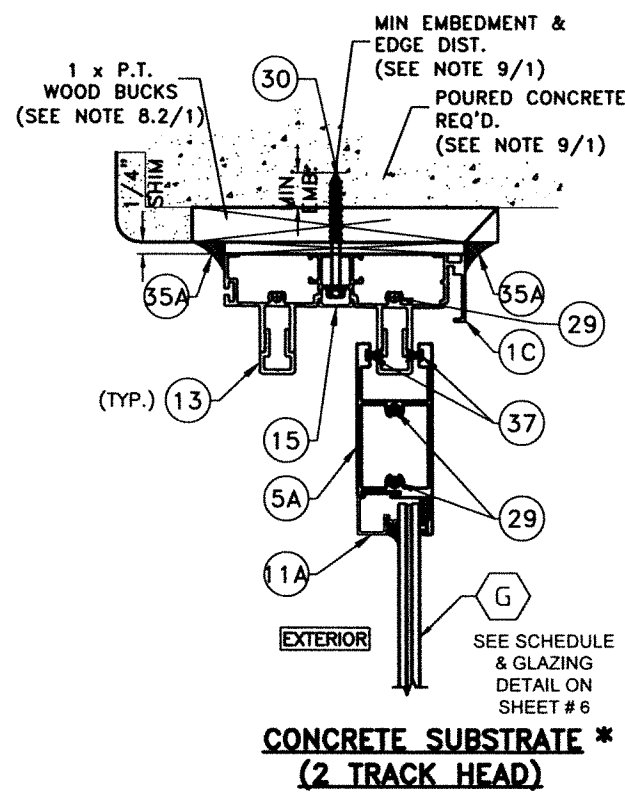
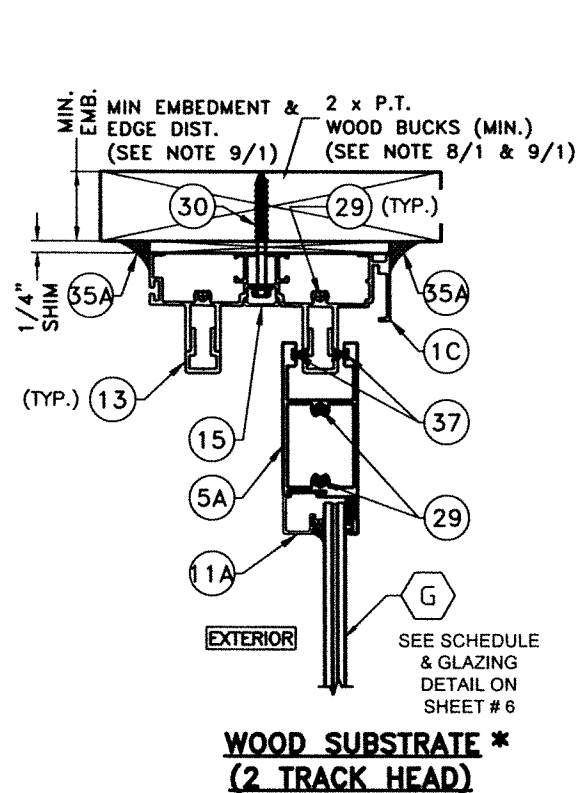
NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

*** SEE SHEET 20B FOR
HEADER CONNECTION W/METAL**

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LICENSE
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P.E. SEAL/SIGNATURE/DATE
8/11/2023

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SECTIONS A'-A' W/INSULATED GLASS 2 TRACK** N.T.S.

CONCRETE SUBSTRATE (2 TRACK SILL)

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

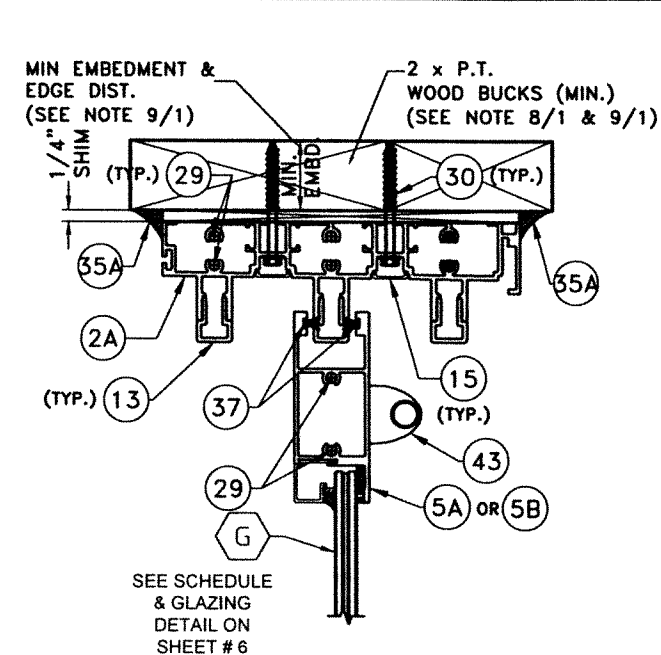
SECTIONS A'-A' W/LAMINATED GLASS 2 TRACK** N.T.S.

** SEE Δ NOTE ON SHEET 9 FOR LIMITATIONS W/ 1C

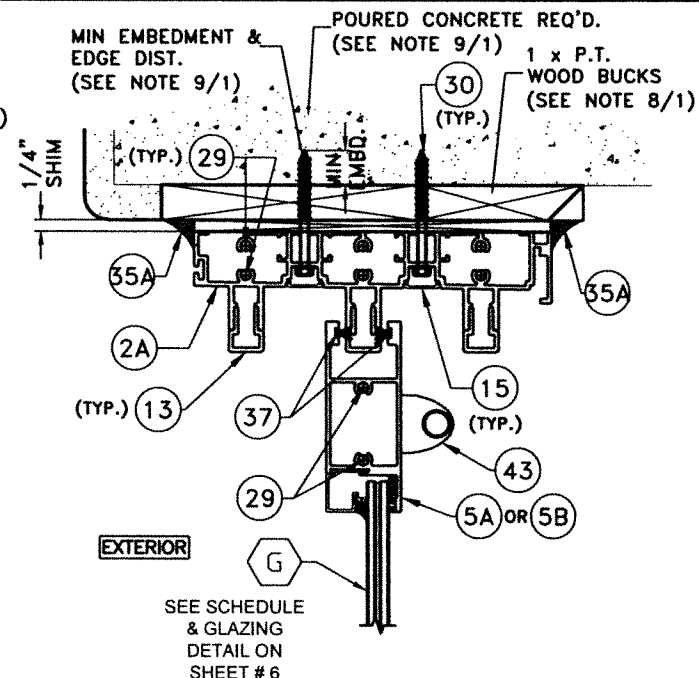
* SEE SHEET 20B FOR HEADER CONNECTION W/ METAL

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

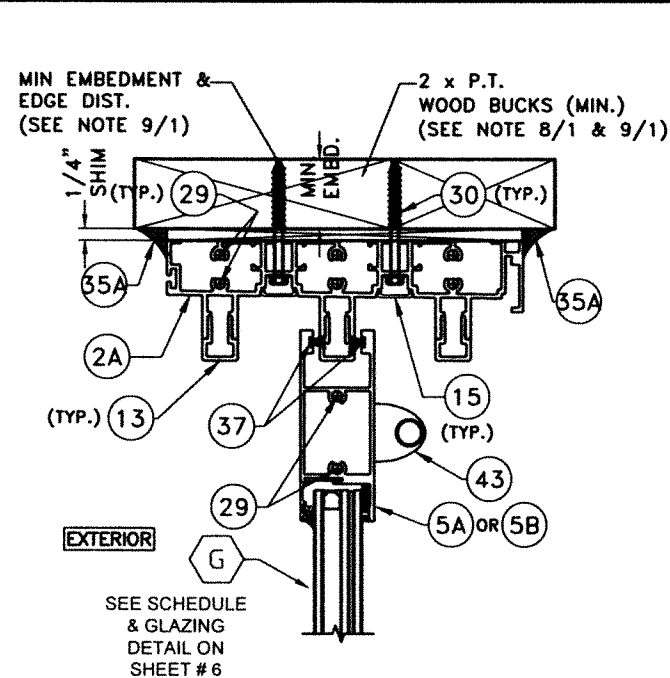
 P.E. SEAL/SIGNATURE/DATE	© 2023 TILTECO INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th. St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 . Fax : (305)871-1531 e-mail: tiltco@aol.com CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. 44167	SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE  GIG WINDOWS & DOORS 290 WEST 78 ROAD HALEAH, FL. 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.gigwindows.com	W.H DRAWN BY: 08/11/2023 DATE 23-173 DRAWING No			
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 17A OF 26
1	OLD 21-114	08/11/23	2	-	-	



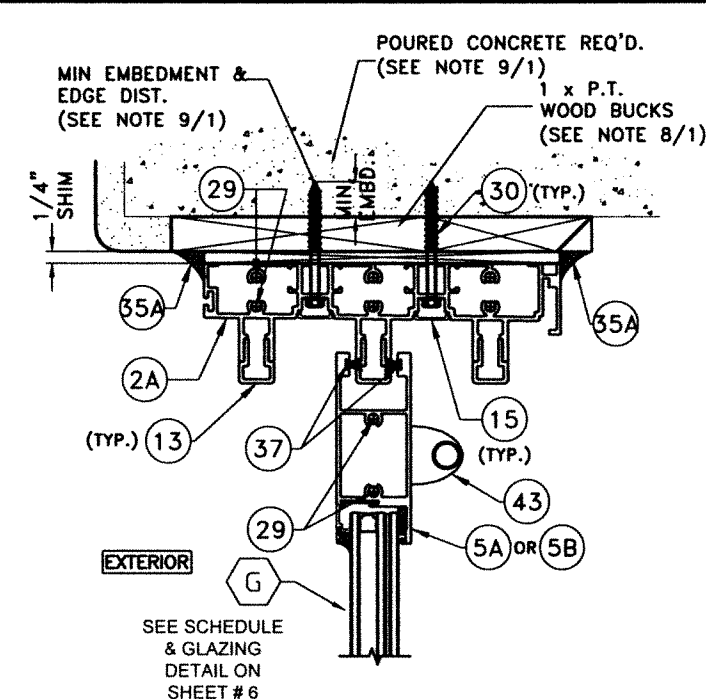
WOOD SUBSTRATE *
(3 TRACK HEAD)



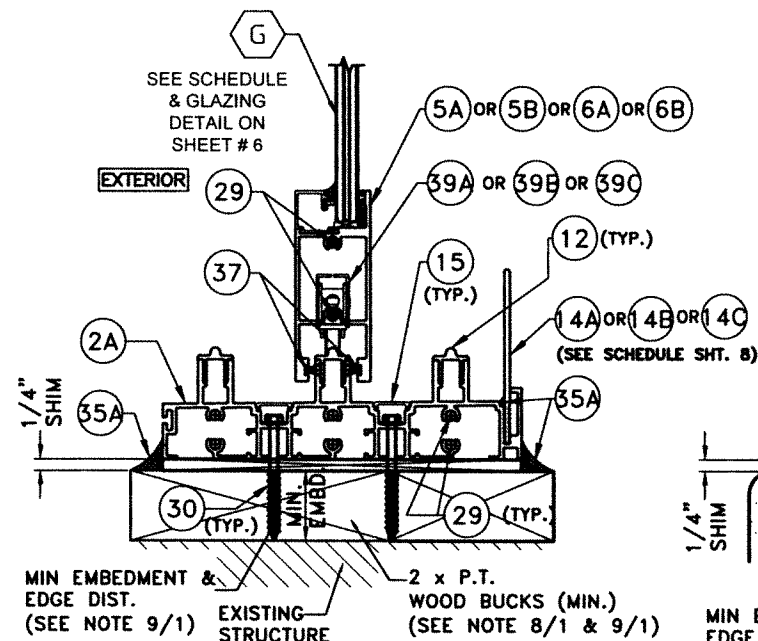
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(3 TRACK HEAD)



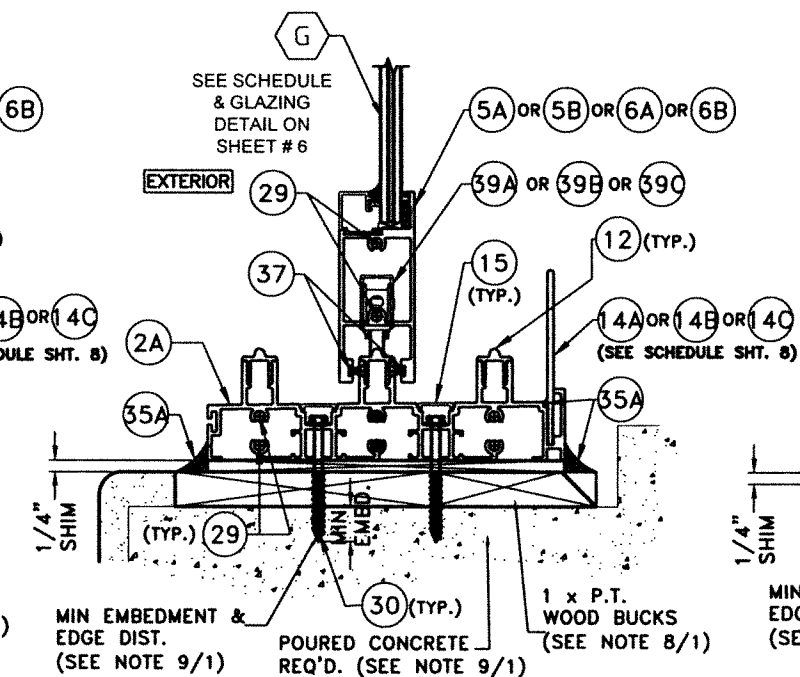
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(3 TRACK HEAD)



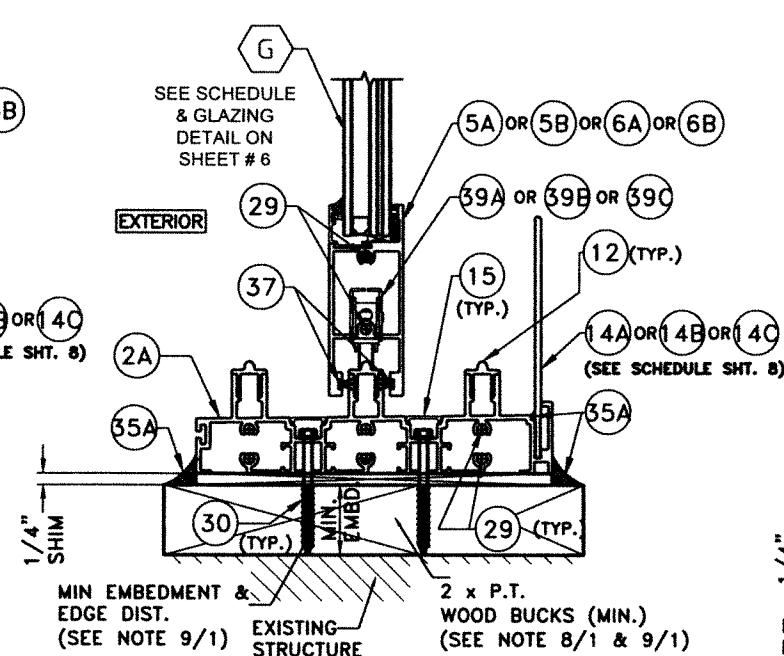
CONCRETE SUBSTRATE *
(3 TRACK HEAD)



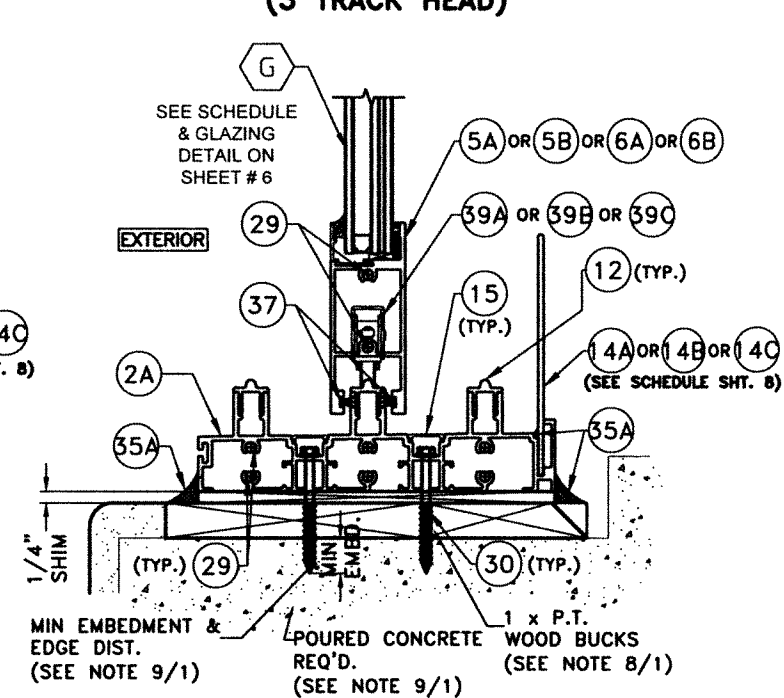
WOOD SUBSTRATE
(3 TRACK SILL)



CONCRETE SUBSTRATE
(3 TRACK SILL)



WOOD SUBSTRATE
(3 TRACK SILL)



CONCRETE SUBSTRATE
(3 TRACK SILL)

SECTIONS B-B
W/LAMINATED GLASS
3 TRACK

N.T.S.

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

*** SEE SHEET 20B FOR**
HEADER CONNECTION W/METAL

SECTIONS B-B
W/INSULATED GLASS
3 TRACK

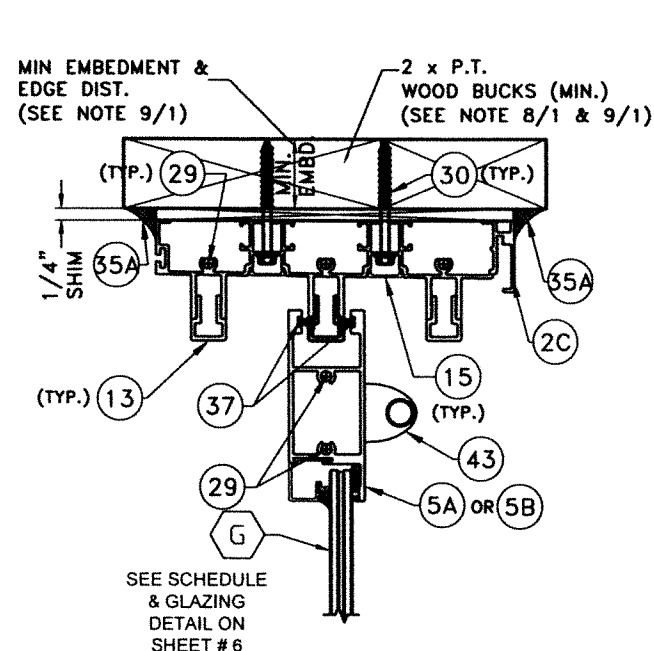
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FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

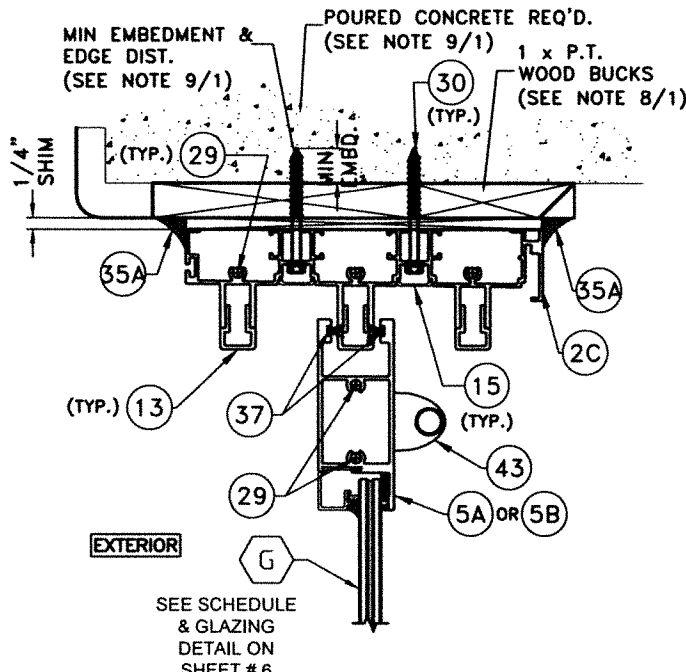
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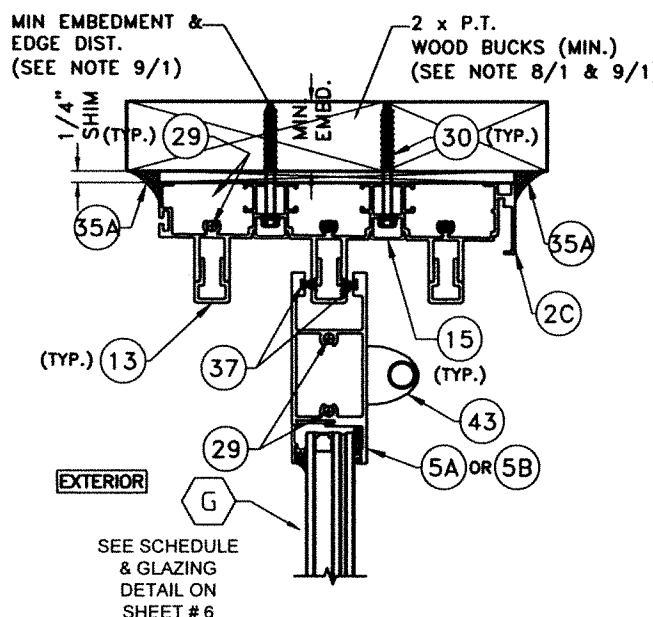
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				23-173 DRAWING No	
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1	OLD 21-114	08/11/23	2	-	-



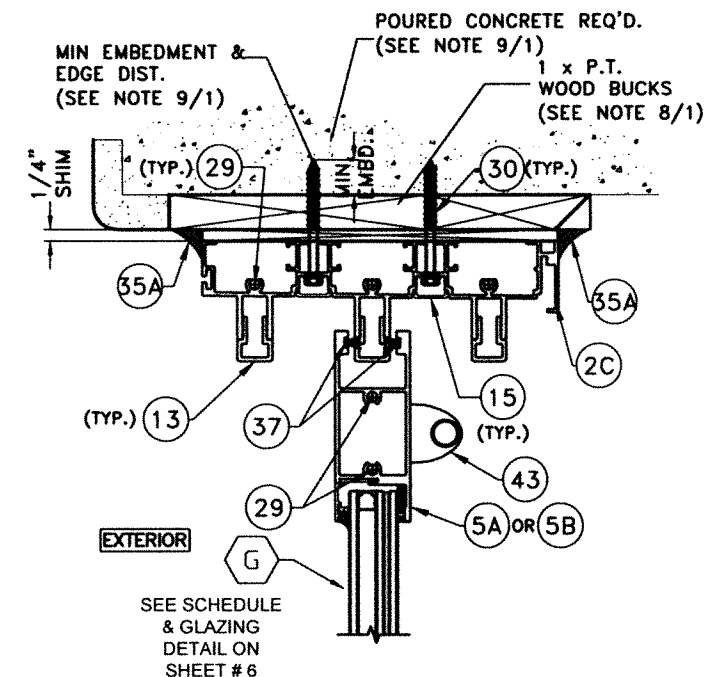
WOOD SUBSTRATE *
(3 TRACK HEAD)



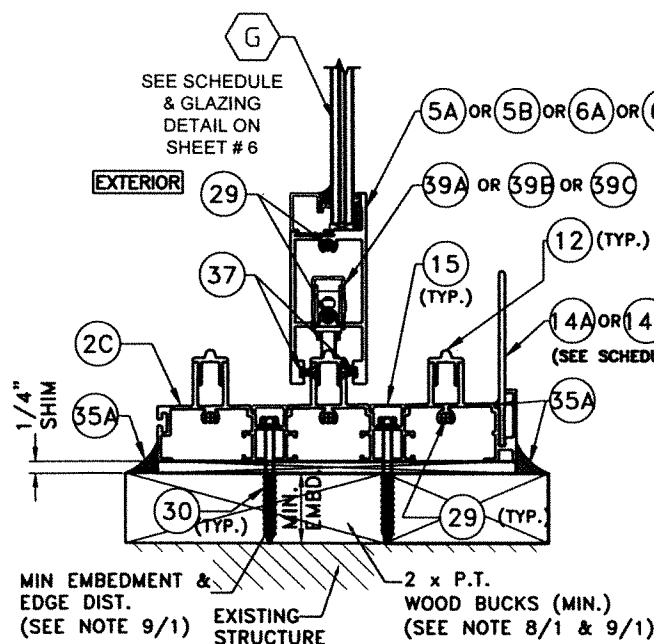
CONCRETE SUBSTRATE *
(3 TRACK HEAD)



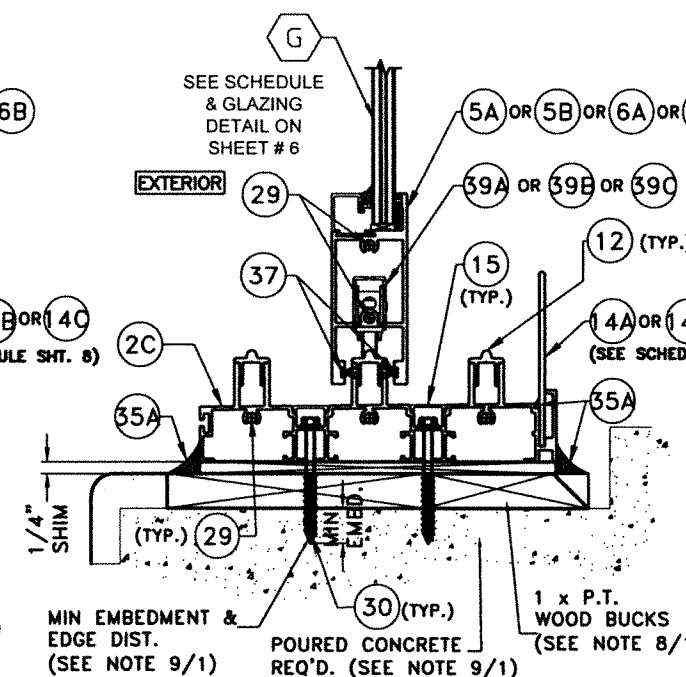
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(3 TRACK HEAD)



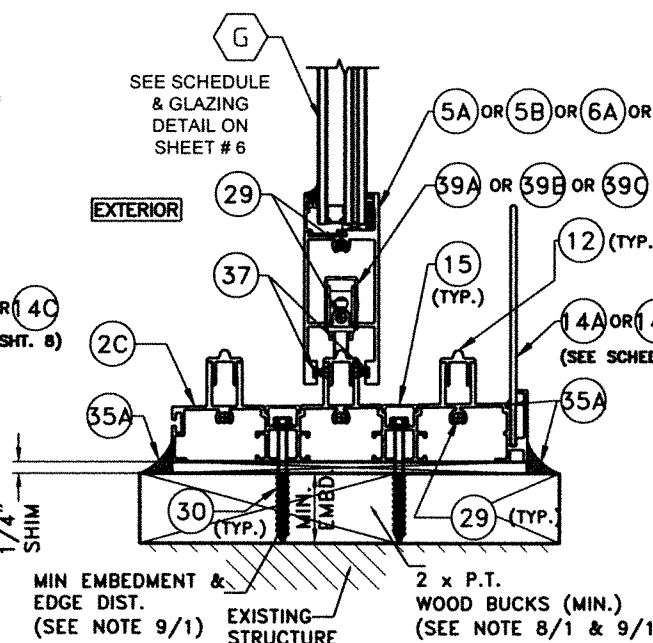
CONCRETE SUBSTRATE *
(3 TRACK HEAD)



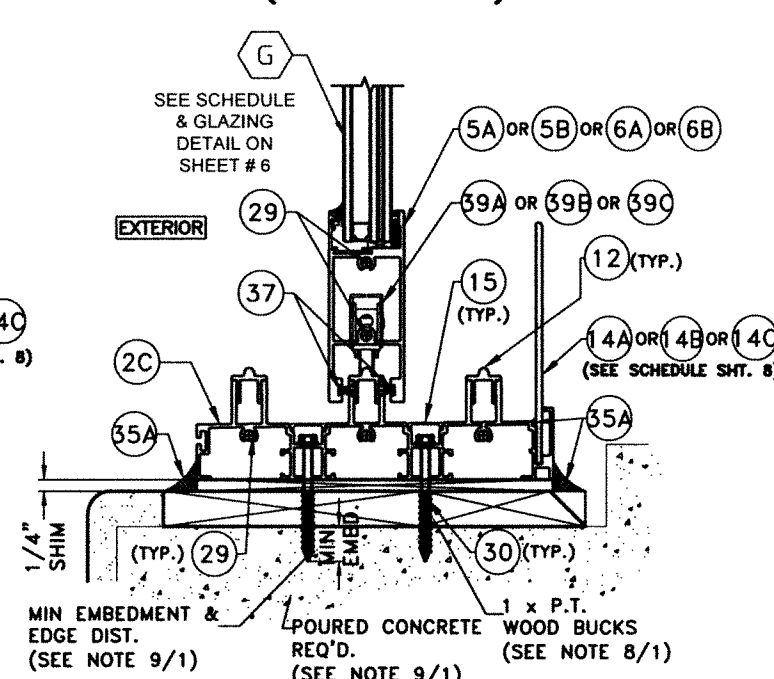
WOOD SUBSTRATE
(3 TRACK SILL)



CONCRETE SUBSTRATE
(3 TRACK SILL)



WOOD SUBSTRATE
(3 TRACK SILL)



CONCRETE SUBSTRATE
(3 TRACK SILL)

SECTIONS B'-B'
W/LAMINATED GLASS
3 TRACK **
N.T.S.

**** SEE Δ NOTE ON SHEET 9
FOR LIMITATIONS W/ (2C)**

*** SEE SHEET 20B FOR HEADER
CONNECTION W/ METAL**

SECTIONS B'-B'
W/INSULATED GLASS
3 TRACK **
N.T.S.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

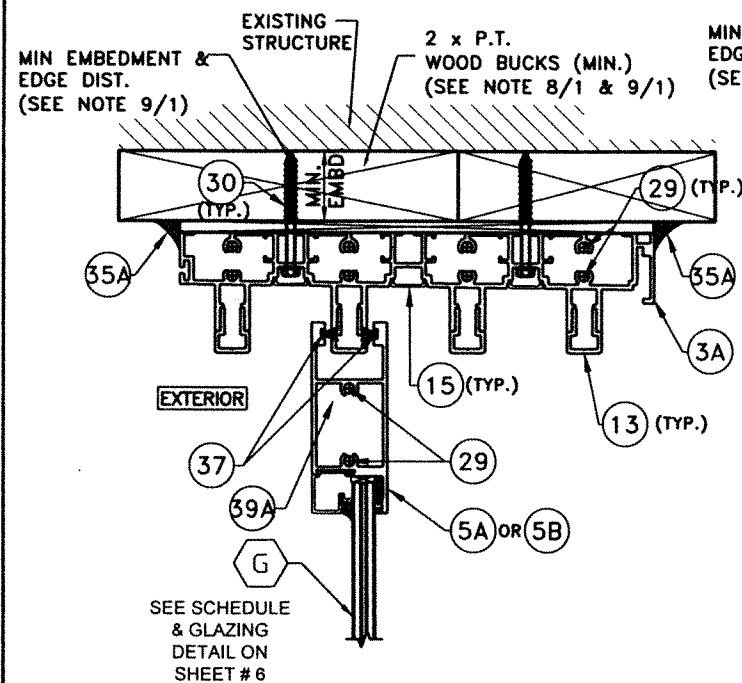
NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

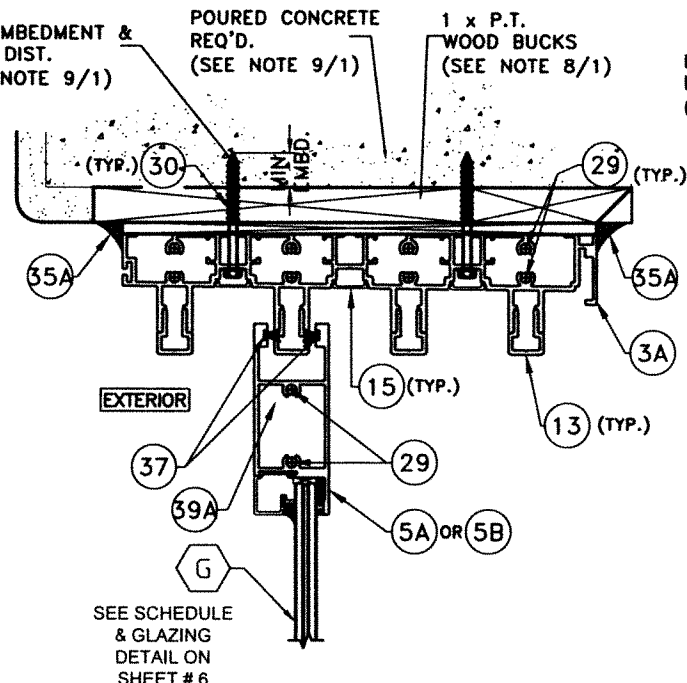
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e-mail: tilteco@aol.com
CA-0006719
WALTER A. TILLIT Jr., P.E.
FLORIDA Lic. 44167

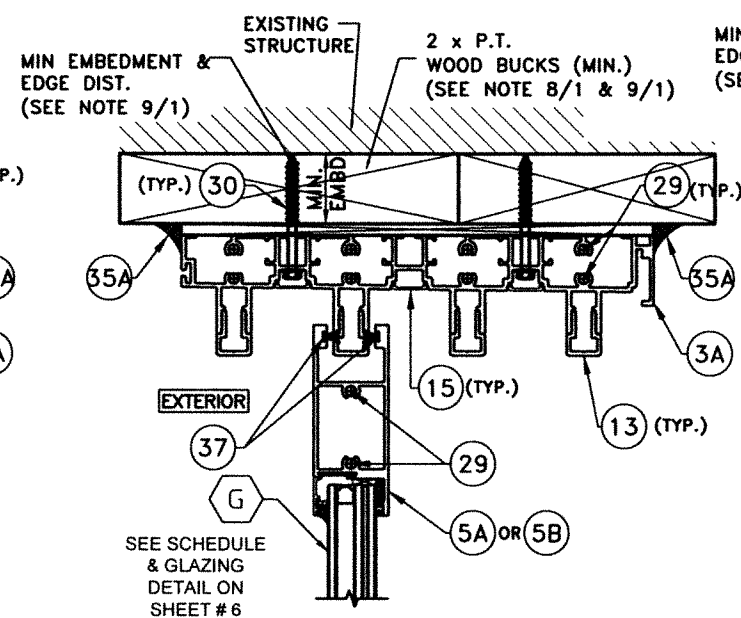
SERIES 28000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE			W.H. DRAWN BY:		
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			DATE		
			23-173		
			DRAWING No		
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-



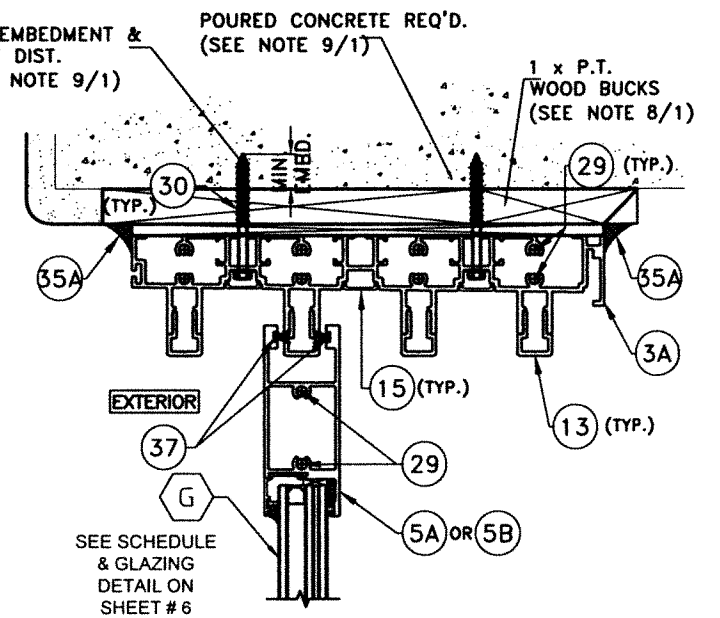
**WOOD SUBSTRATE *
(4 TRACK HEAD)**



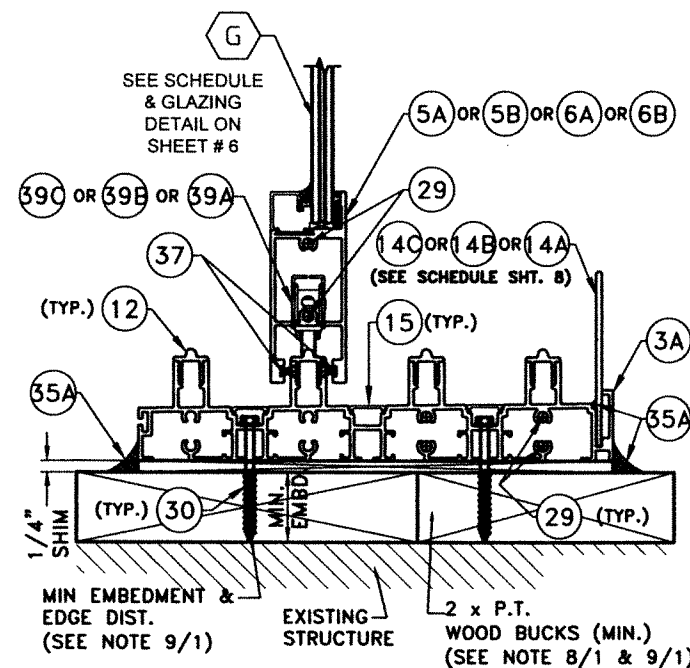
**CONCRETE SUBSTRATE *
(4 TRACK HEAD)**



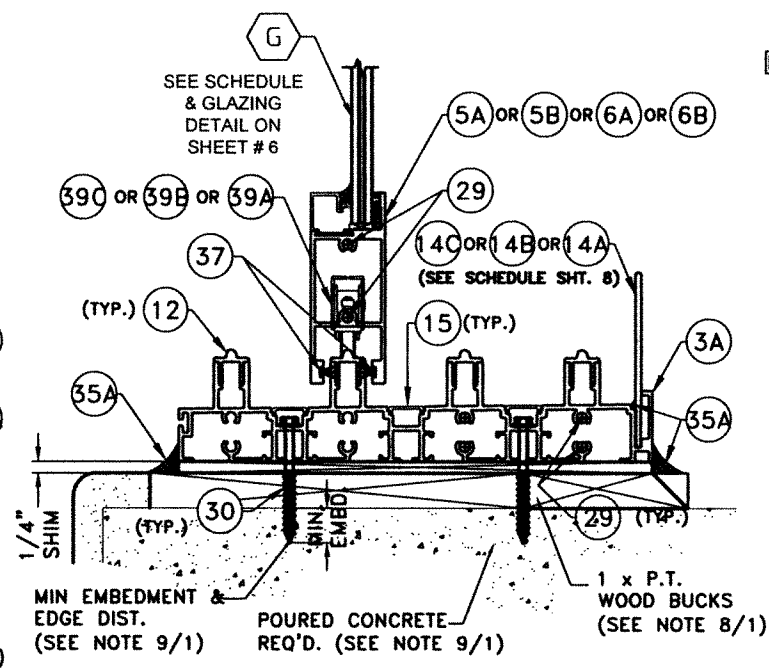
**WOOD SUBSTRATE *
(4 TRACK HEAD)**



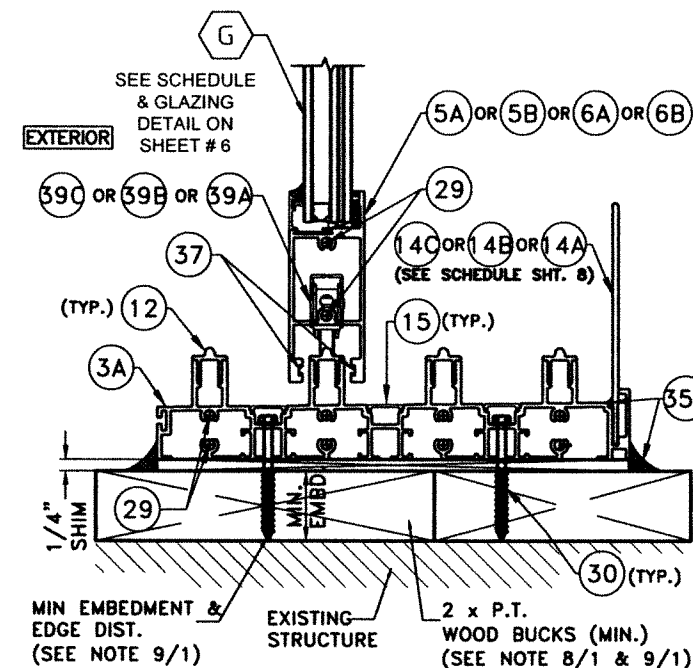
**CONCRETE SUBSTRATE *
(4 TRACK HEAD)**



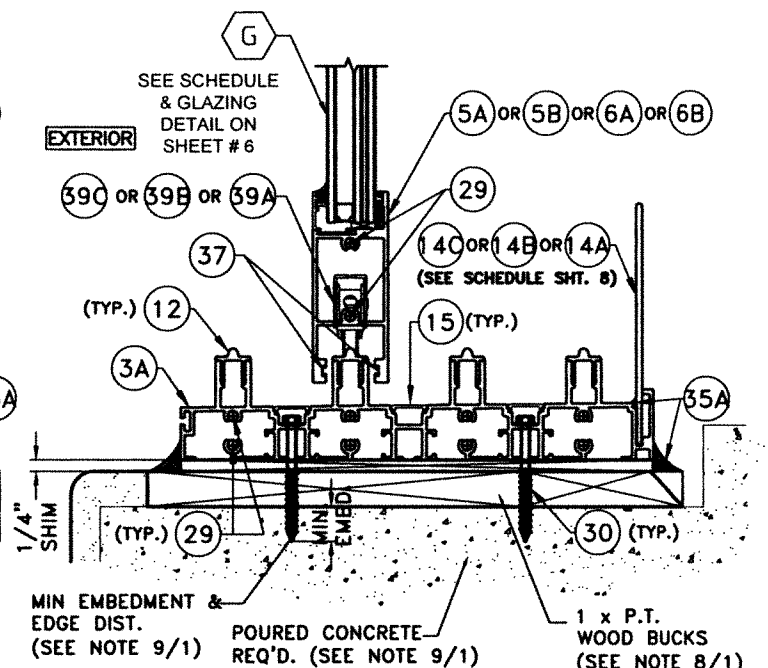
**WOOD SUBSTRATE
(4 TRACK SILL)**



**CONCRETE SUBSTRATE
(4 TRACK SILL)**



**WOOD SUBSTRATE
(4 TRACK SILL)**



**CONCRETE SUBSTRATE
(4 TRACK SILL)**

**SECTIONS C-C
W/INSULATED GLASS
4 TRACK**

N.T.S.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

**SECTIONS C-C
W/LAMINATED GLASS
4 TRACK**

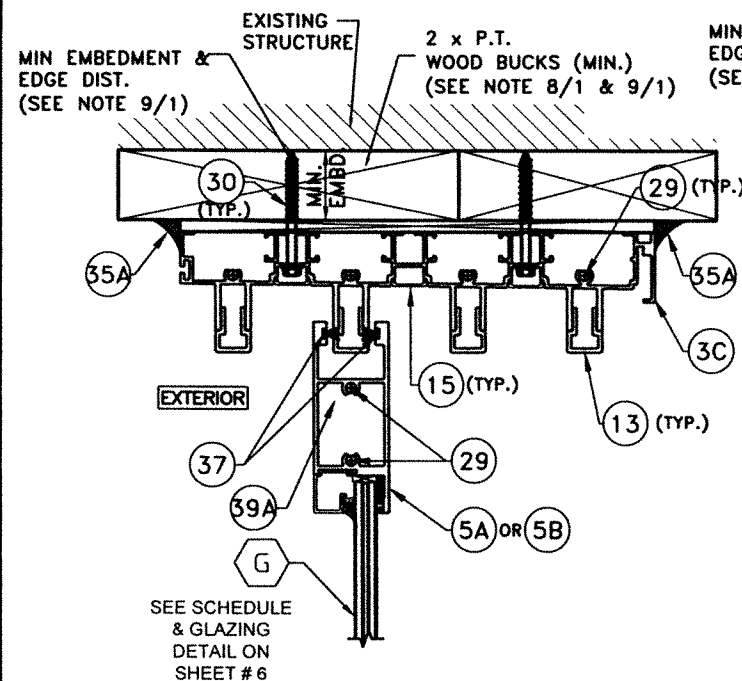
N.T.S.

*** SEE SHEET 20B FOR
HEADER CONNECTION W/METAL**

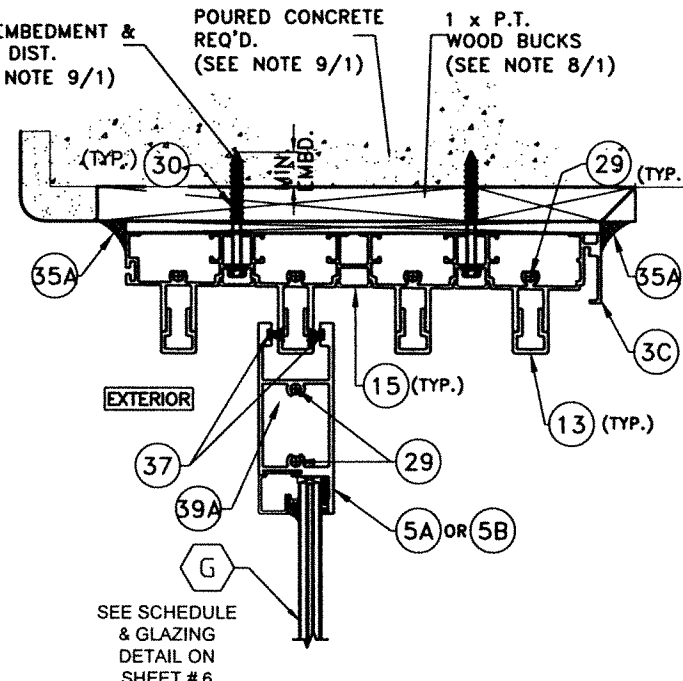
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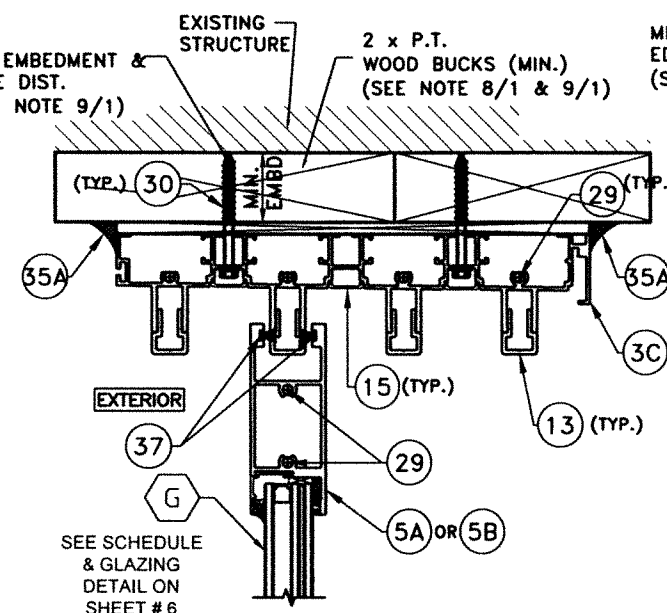
SERIES 28000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE						W.H. DRAWN BY:
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						23-173 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 19 OF 26
1	OLD 21-114	08/11/23	2	-	-	



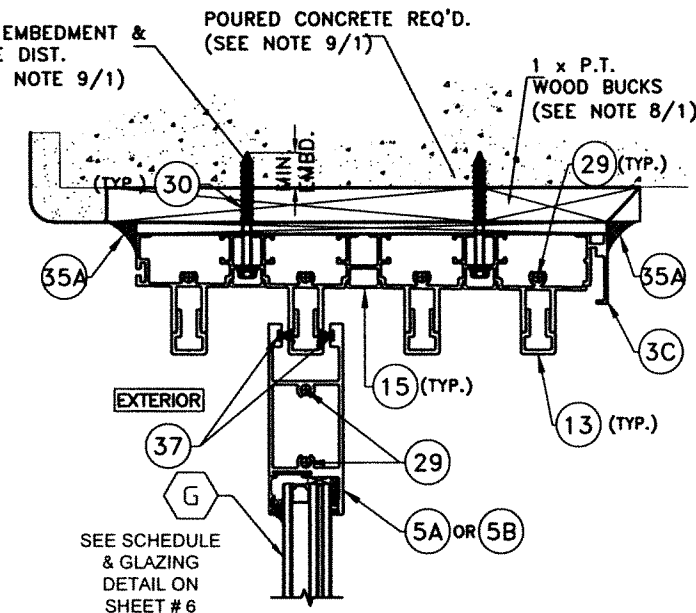
**WOOD SUBSTRATE *
(4 TRACK HEAD)**



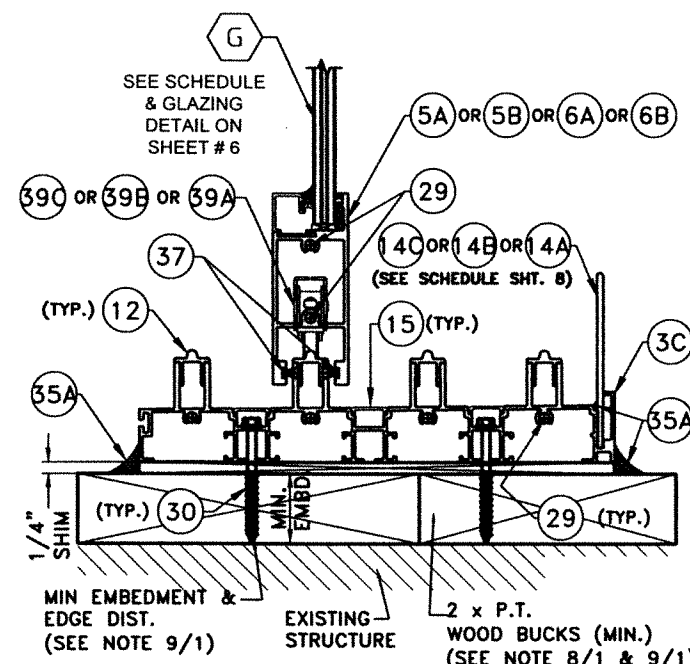
**CONCRETE SUBSTRATE *
(4 TRACK HEAD)**



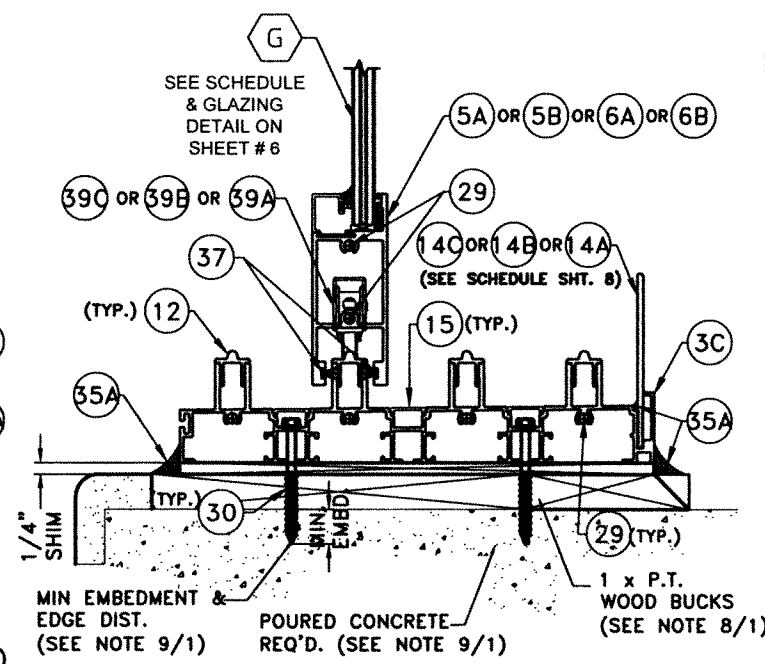
**WOOD SUBSTRATE *
(4 TRACK HEAD)**



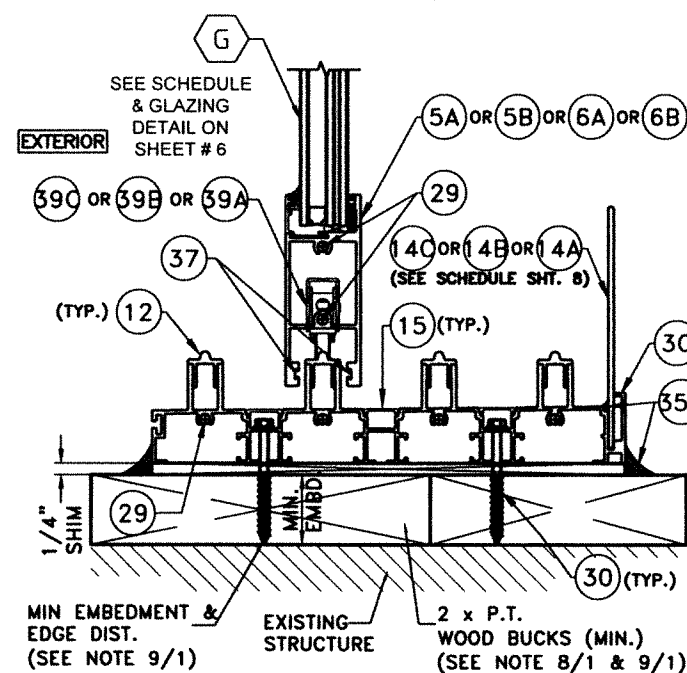
**CONCRETE SUBSTRATE *
(4 TRACK HEAD)**



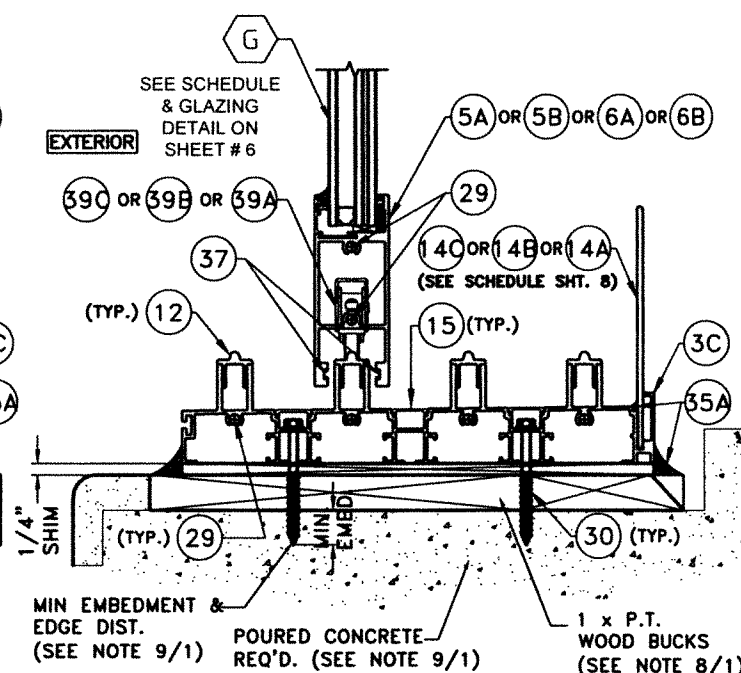
**WOOD SUBSTRATE
(4 TRACK SILL)**



**CONCRETE SUBSTRATE
(4 TRACK SILL)**



**WOOD SUBSTRATE
(4 TRACK SILL)**



**CONCRETE SUBSTRATE
(4 TRACK SILL)**

**SECTIONS C'-C'
W/INSULATED GLASS
4 TRACK****

N.T.S.
FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

**SECTIONS C'-C'
W/LAMINATED GLASS
4 TRACK****

** SEE Δ NOTE ON SHEET 9
FOR LIMITATIONS W/ 3C

* SEE SHEET 20B FOR HEADER
CONNECTION W/ METAL

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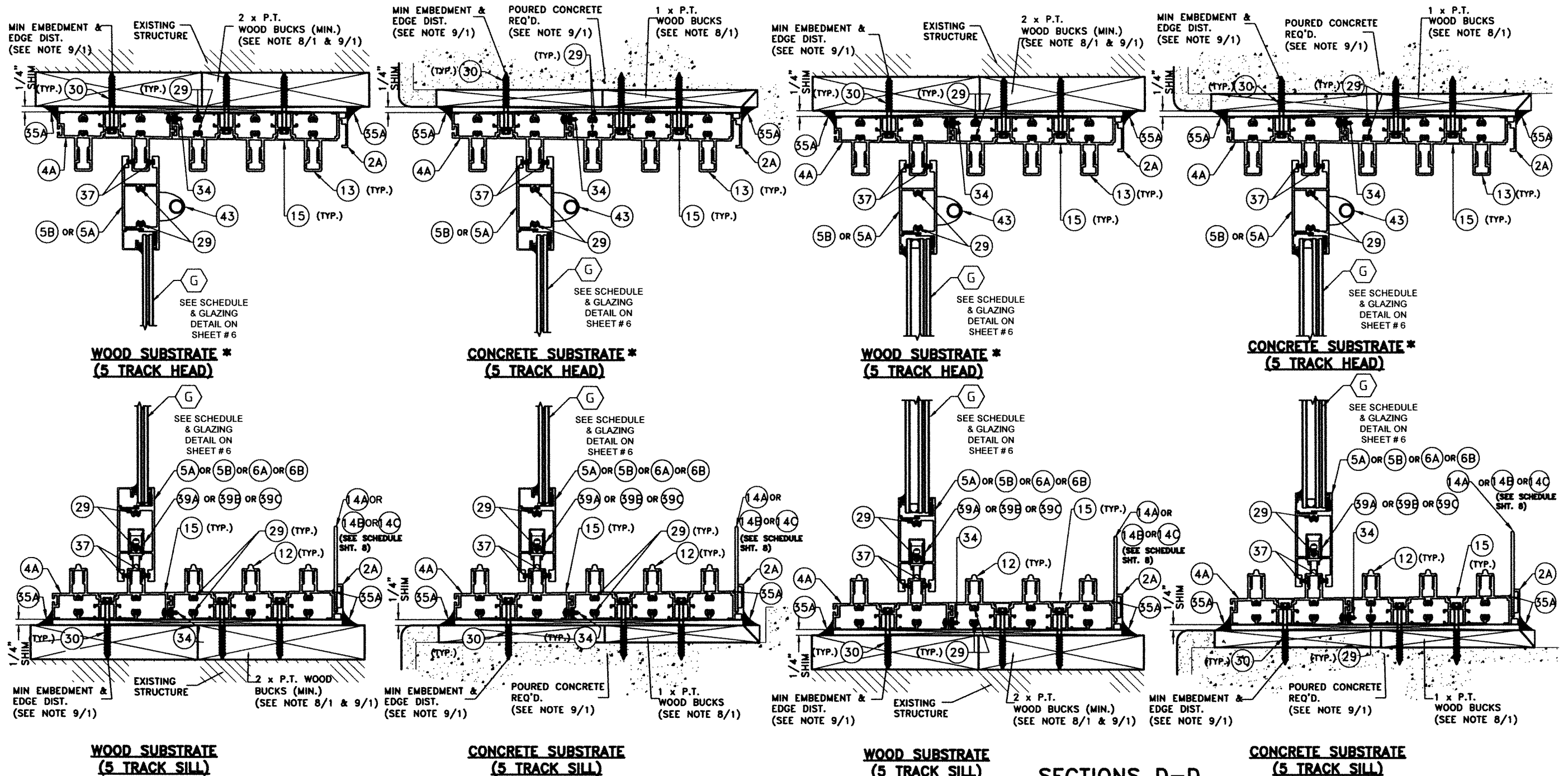
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SHEET 19A OF 26



NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

**SECTIONS D-D
W/LAMINATED GLASS
(5 TRACK)**

N.T.S.

*** SEE SHEET 20B FOR
HEADER CONNECTION W/METAL**

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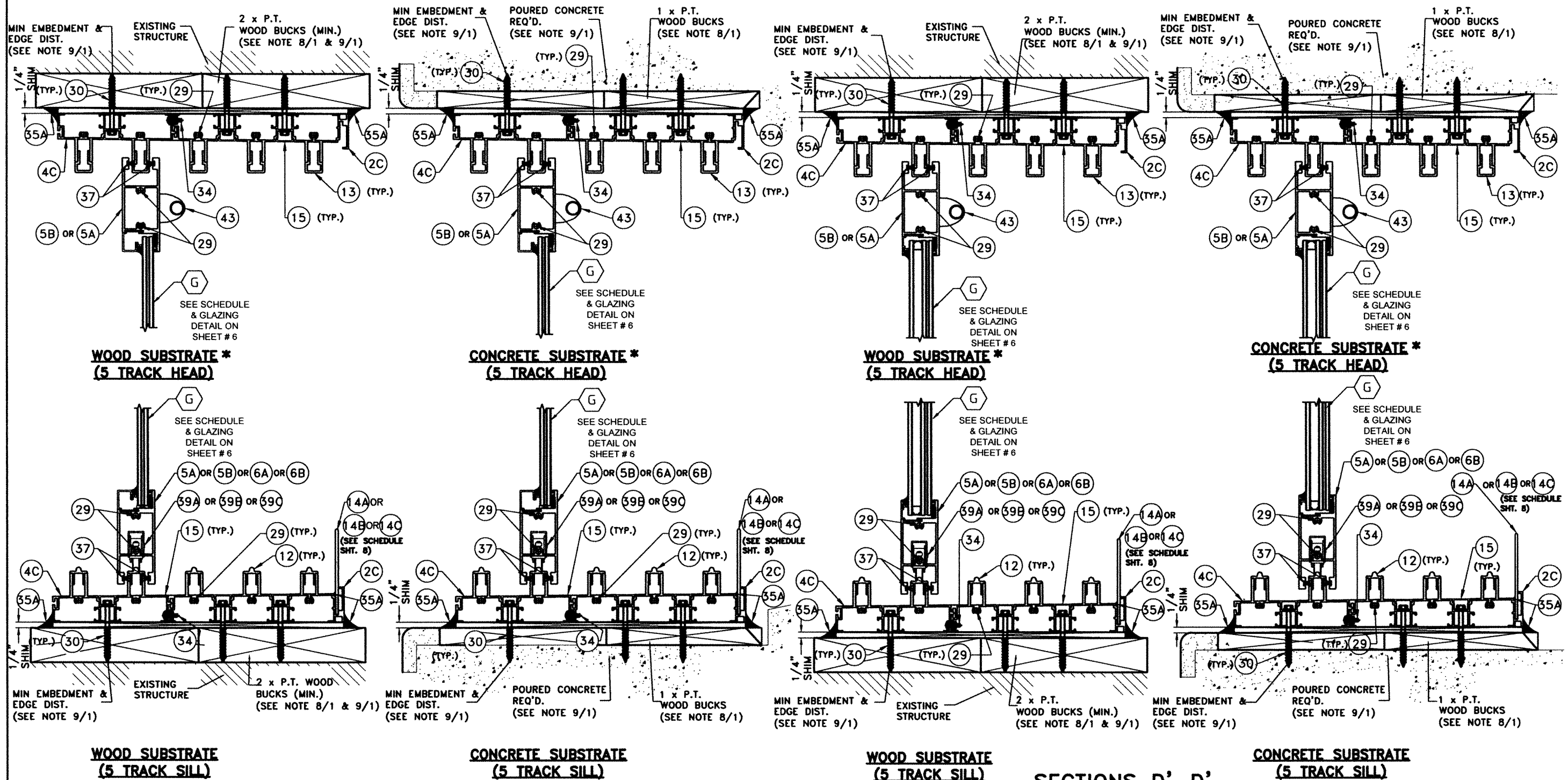
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DRAWN BY:
08/11/2023
DATE
23-173
DRAWING No
SHEET 20 OF 26



NOTE 1: FOR MAXIMUM FRAME, PANEL & DLO LIMITATIONS SEE SCHEDULE ON SHEET 8 & ANCHOR SPACING SEE SCHEDULE ON SHEET 24

NOTE 2: SUBSTRATE CAN BE COMBINED AS APPLICABLE

NOTE 3: GLASS TYPE CAN BE LAMINATED OR INSULATED SEE SCHEDULE FOR LIMITATIONS ON SHEET 6

SECTIONS D'-D' W/LAMINATED GLASS (5 TRACK)**
N.T.S.

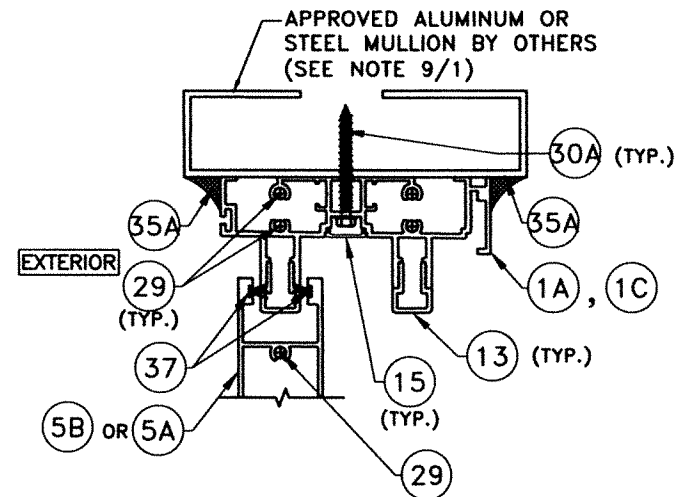
**** SEE Δ NOTE ON SHEET 9 FOR LIMITATIONS W/ (4C) + (2C)**

*** SEE SHEET 20B FOR HEADER CONNECTION W/ METAL**

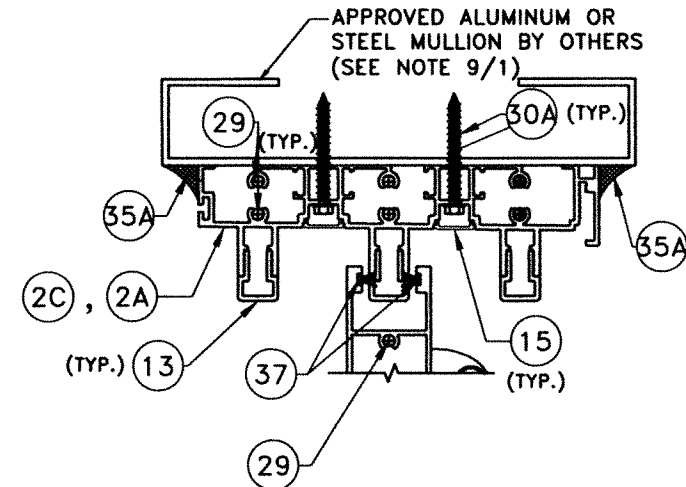
SECTIONS D'-D' W/INSULATED GLASS (5 TRACK)**
N.T.S.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

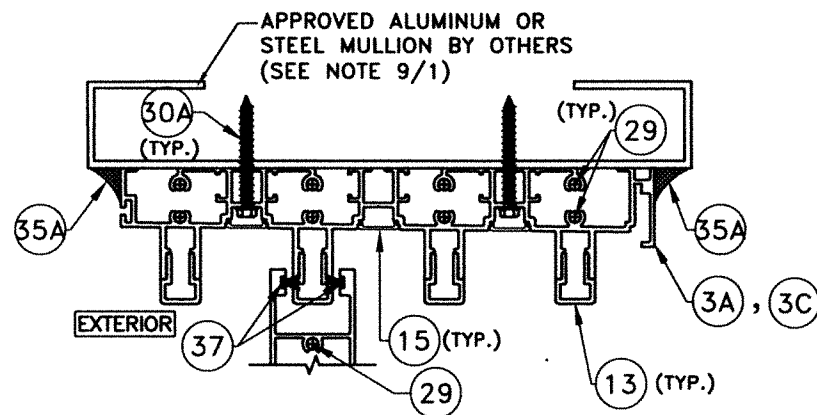
 P.E. SEAL/SIGNATURE/DATE		© 2023 TILTECO INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 Fax : (305)871-1531 e-mail: tiltco@aol.com CA-0006719 WALTER A. TILLIT JR., P.E. FLORIDA Lic. 44167		SERIES 26000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE 290 WEST 78 ROAD HIALEAH, FL. 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.gigwindows.com		W.H. DRAWN BY: 08/11/2023 DATE
		23-173 DRAWING No		SHEET 20A OF 26		
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE	
1	OLD 21-114	08/11/23	2	-	-	



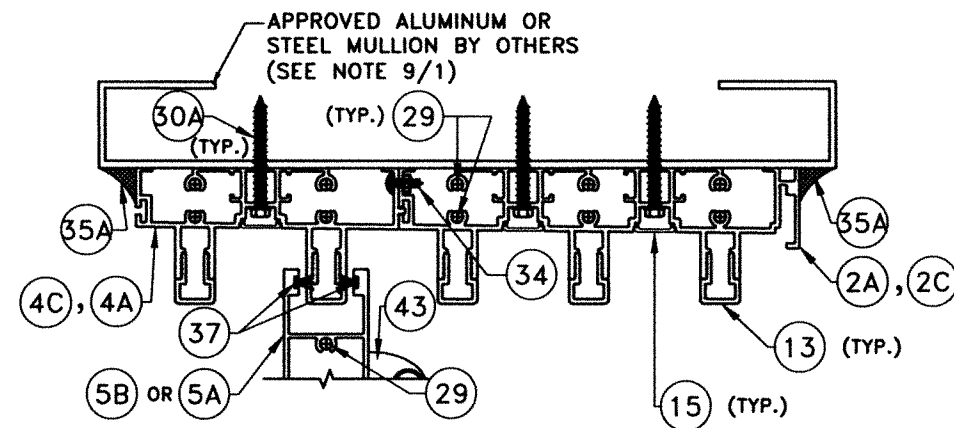
**ALUMINUM & STEEL
SUBSTRATE
(2 TRACK HEAD)**



**ALUMINUM & STEEL
SUBSTRATE
(3 TRACK HEAD)**



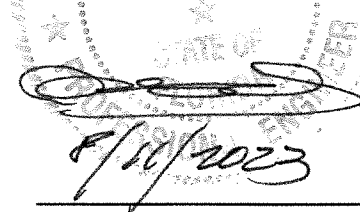
**ALUMINUM & STEEL
SUBSTRATE
(4 TRACK HEAD)**



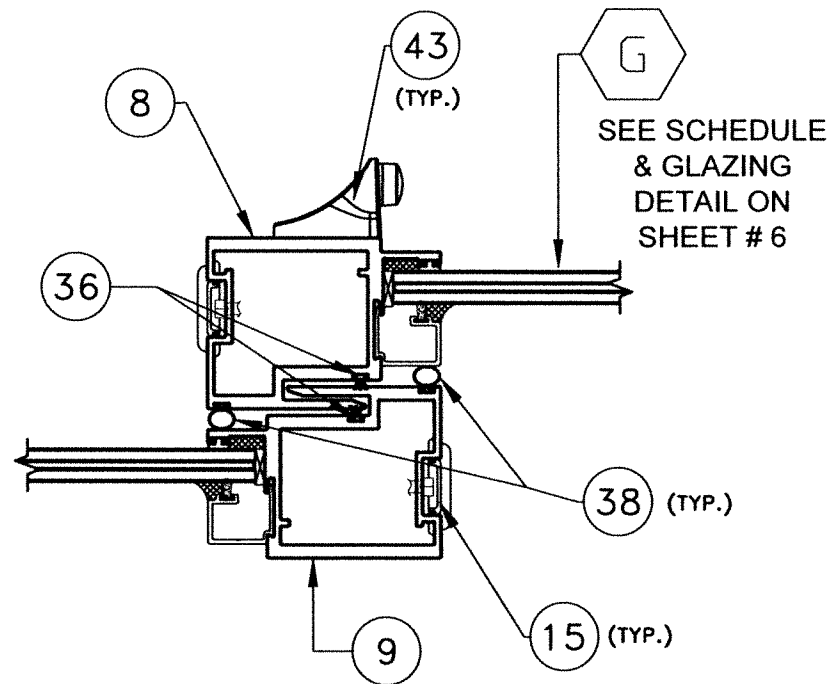
**ALUMINUM & STEEL
SUBSTRATE
(5 TRACK HEAD)**

**SECTIONS A, A', B, B', C, C', D, D' AT HEADER
W/LAMINATED OR INSULATED GLASS
2, 3, 4 & 5 TRACK
TO METAL SUBSTRATE**

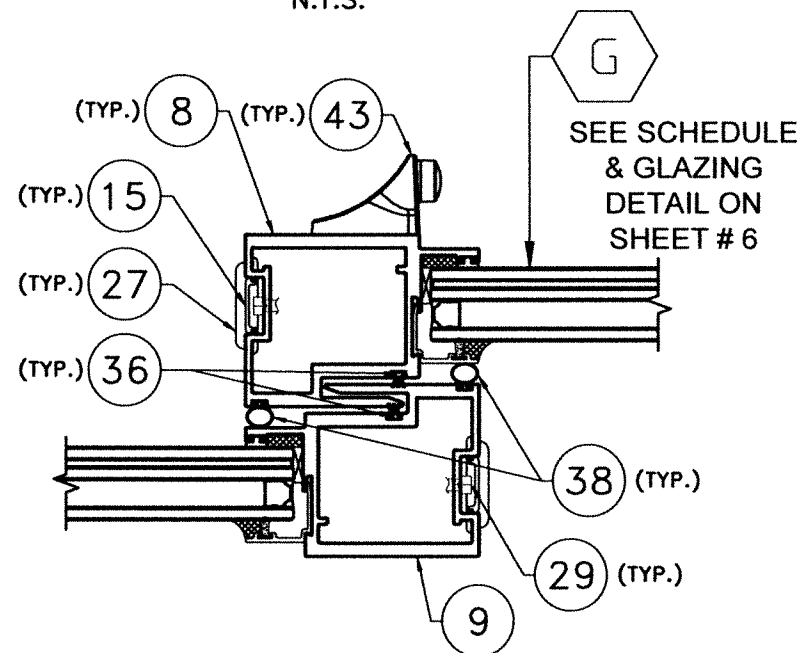
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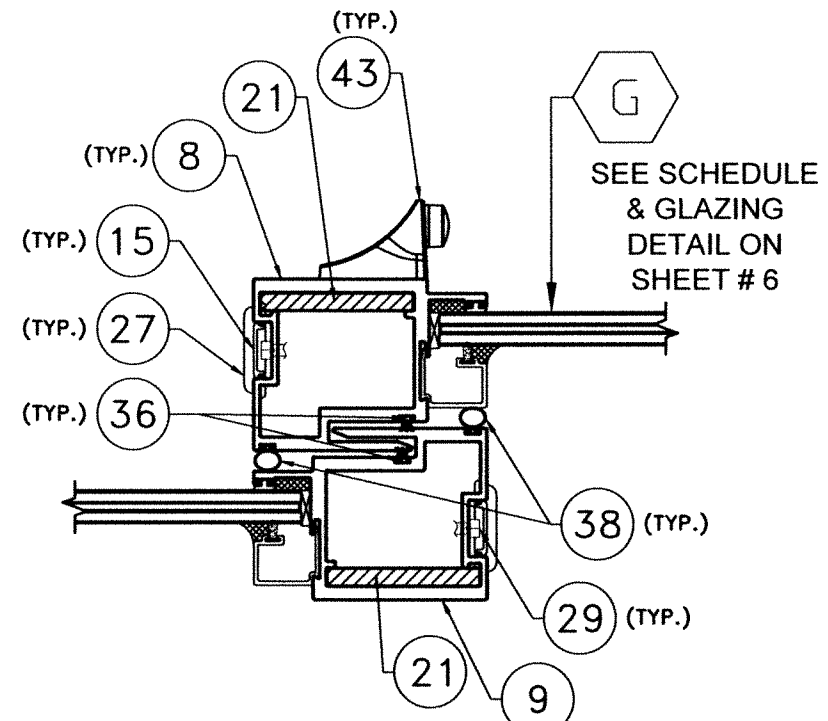
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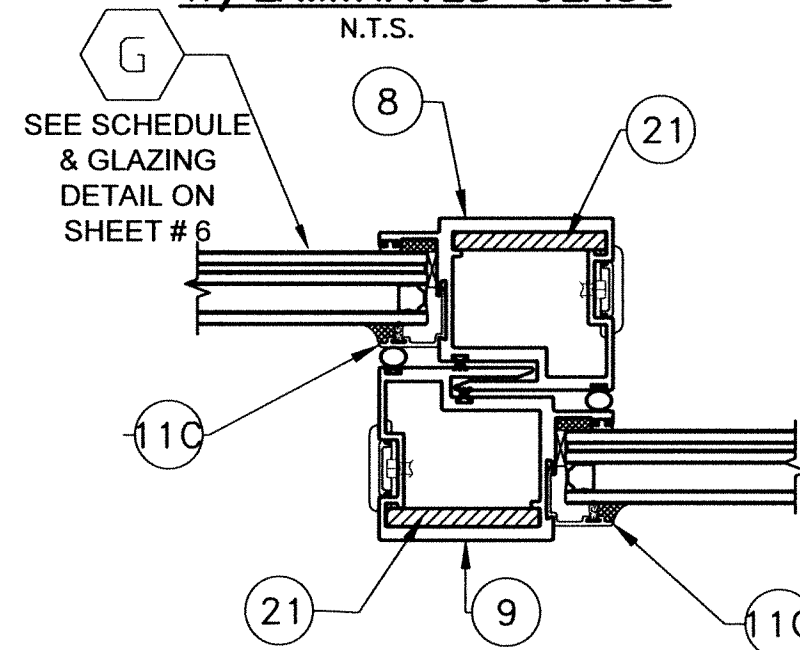
**UNREINFORCED MEETING STILES
W/LAMINATED GLASS**
N.T.S.



**UNREINFORCED MEETING STILES
W/INSULATED GLASS**
N.T.S.



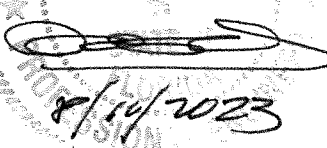
**REINFORCED MEETING STILES
W/LAMINATED GLASS**
N.T.S.

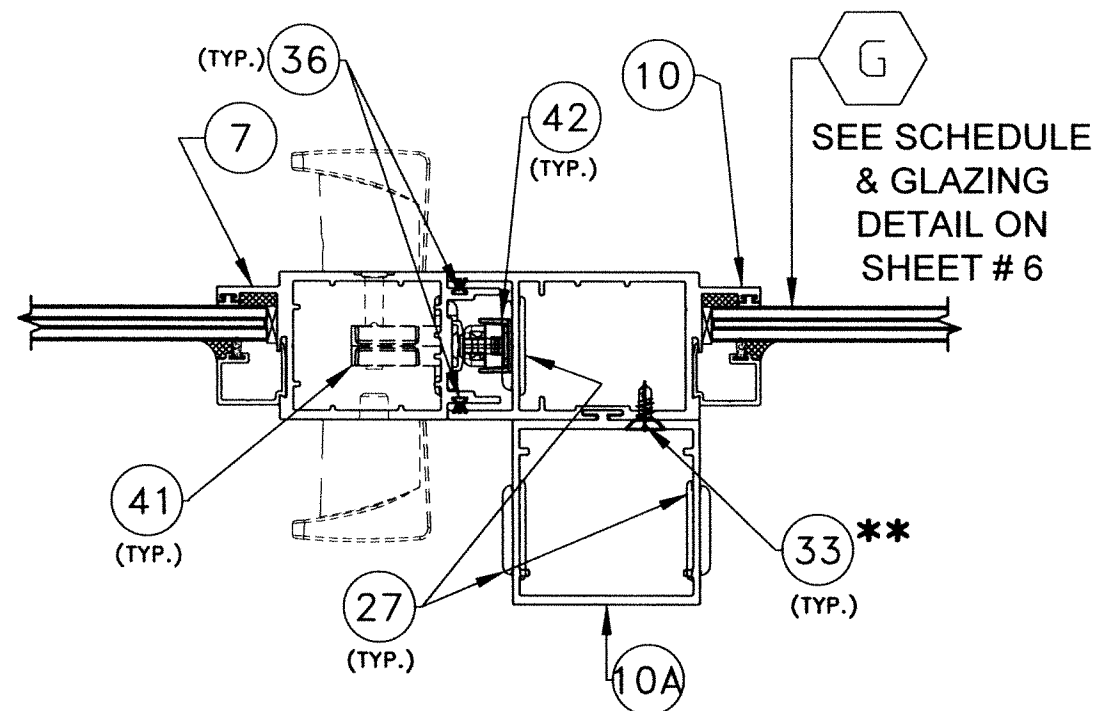


**REINFORCED MEETING STILES
W/INSULATED GLASS**
N.T.S.

SECTIONS K-K

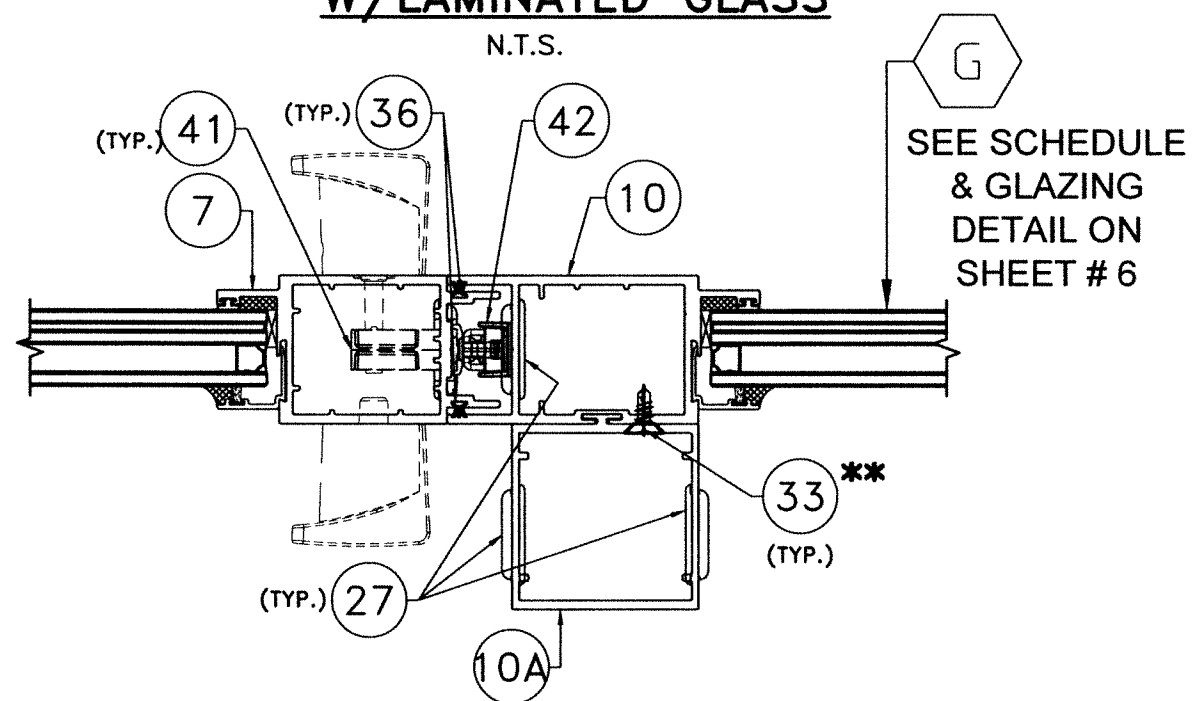
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REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE		
1	OLD 21-114	08/11/23	2	-	-		



**UNREINFORCED DEEP ASTRAGAL
W/LAMINATED GLASS**

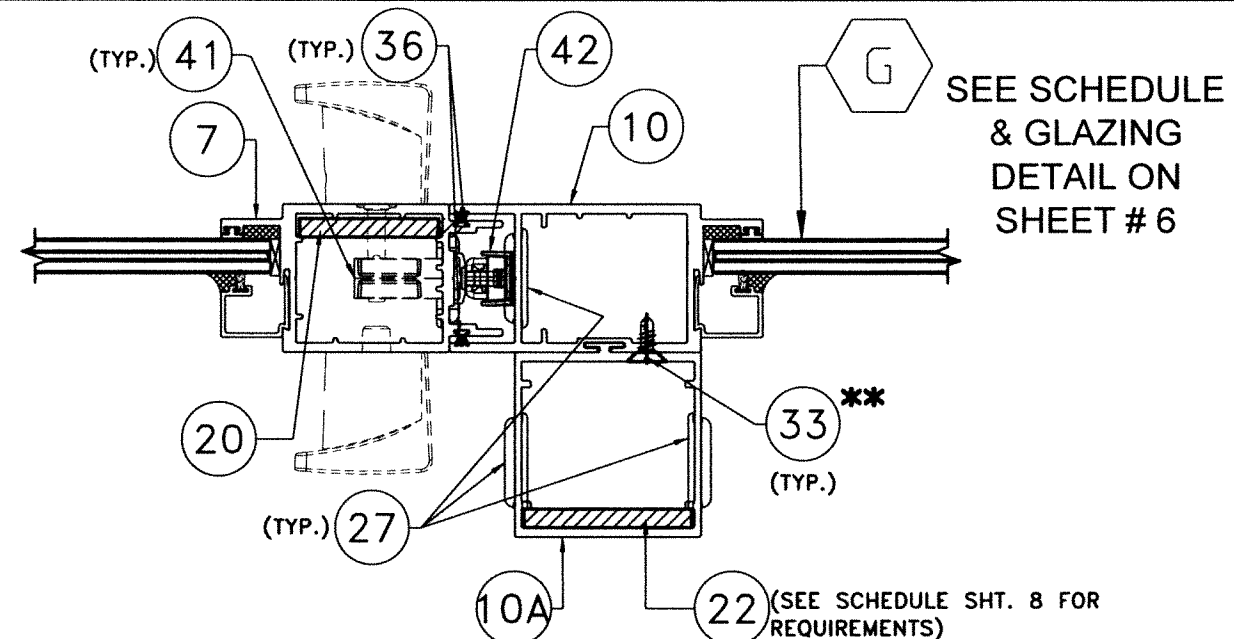
N.T.S.



**UNREINFORCED DEEP ASTRAGAL
W/INSULATED GLASS**

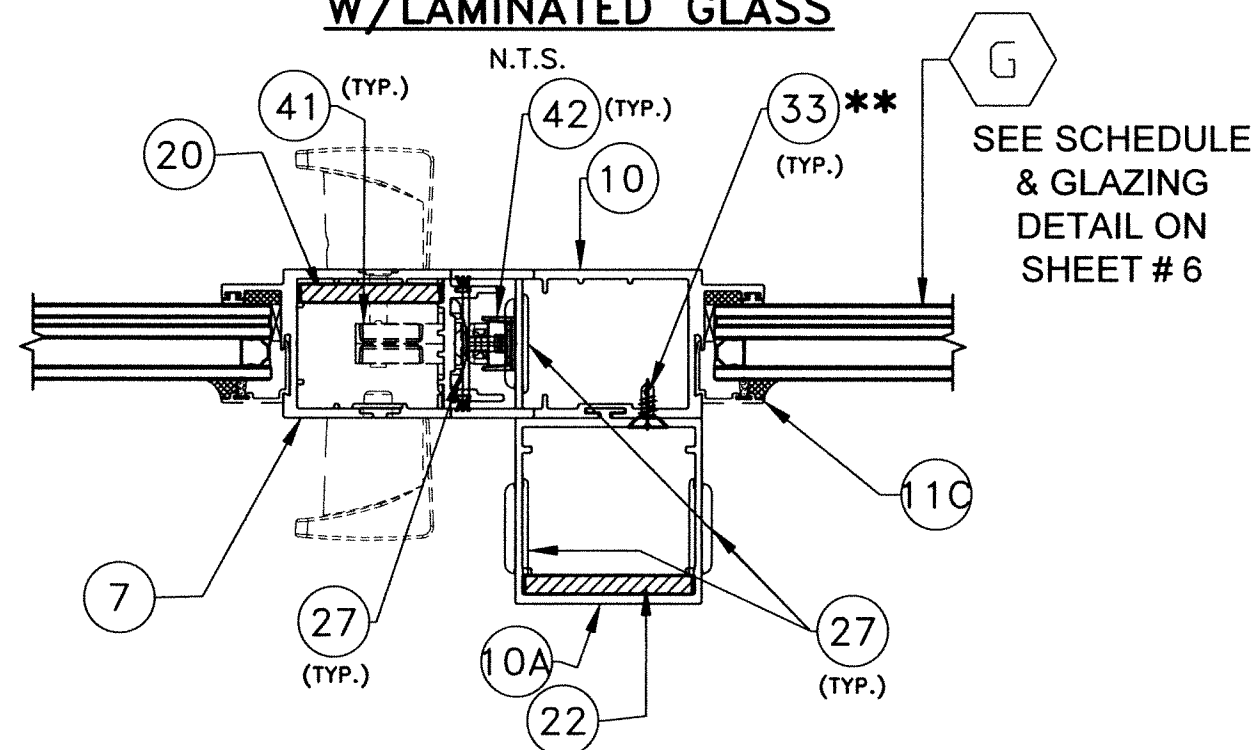
N.T.S.

**** ASTRAGAL ASSEMBLY REQUIRES
COMPONENT 33 AT TOP & BOTTOM
AT 1" FROM EDGES**



**REINFORCED DEEP ASTRAGAL
W/LAMINATED GLASS**

N.T.S.



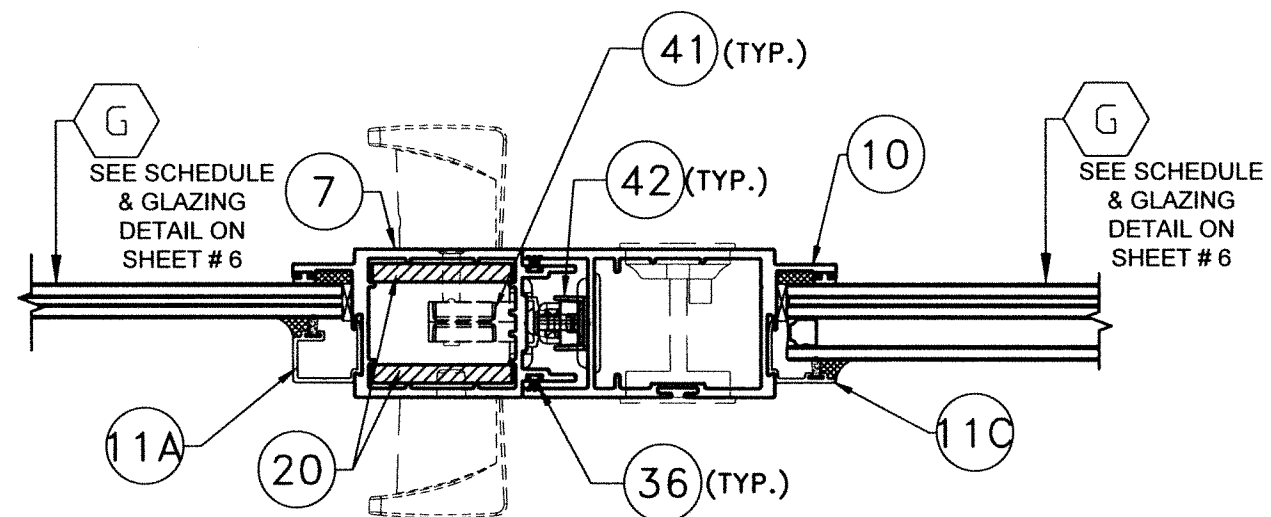
**REINFORCED DEEP ASTRAGAL
W/INSULATED GLASS**

N.T.S.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SECTIONS L-L

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		WINDOWS & DOORS <table><tr><th>REV. NO</th><th>DESCRIPTION</th><th>DATE</th><th>REV. No</th><th>DESCRIPTION</th><th>DATE</th></tr><tr><td>1</td><td>OLD 21-114</td><td>08/11/23</td><td>2</td><td>-</td><td>-</td></tr></table>		REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	1	OLD 21-114	08/11/23	2	-
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE									
1	OLD 21-114	08/11/23	2	-	-									
SHEET 22 OF 26														



**"SHALLOW" ASTRAGAL
W/REINFORCEMENT (20)**
N.T.S.

SECTIONS M-M

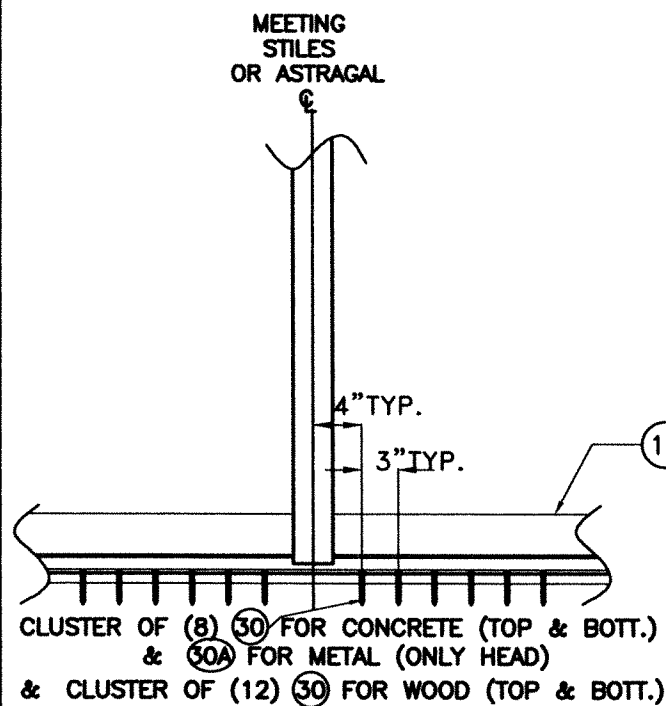
WALTER A. TILLIT JR.
LICENSE
No. 44167
DATE OF
7/11/2023
P.E. SEAL/SIGNATURE/DATE

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

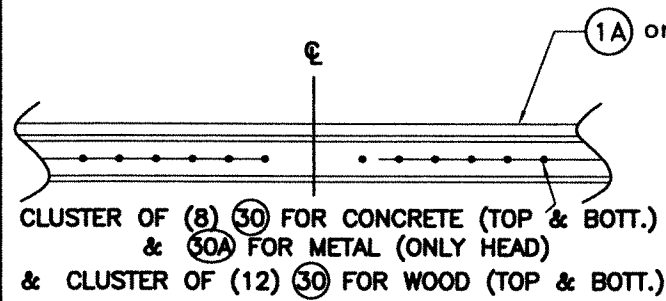
FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

SERIES 28000 HIGH IMPACT SLIDING GLASS DOOR / LARGE AND SMALL MISSILE						W.H. DRAWN BY:
 290 WEST 78 ROAD HIALEAH, FL 33014 PH: (954)226-5555/(305)558-8103 FAX: (305)558-6665 www.gigwindows.com						08/11/2023 DATE
						23-173 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	SHEET 23 OF 26
1	OLD 21-114	08/11/23	2	-	-	

**REQUIRED CLUSTER OF ANCHORS (30) AT TOP & BOTTOM & (30A) (ONLY AT TOP) OF MEETING STILES AND ASTRAGAL
AT HEAD & SILL FOR ANY GIVEN A.S.D. DESIGN WIND LOAD AND ANY DOOR PANEL WIDTH AND
FRAME HEIGHT, GIVEN A 2, 3, 4, 5 TRACK DOOR TYPE AND SUBSTRATE TYPE
(LARGE & SMALL MISSILE DOORS) ***

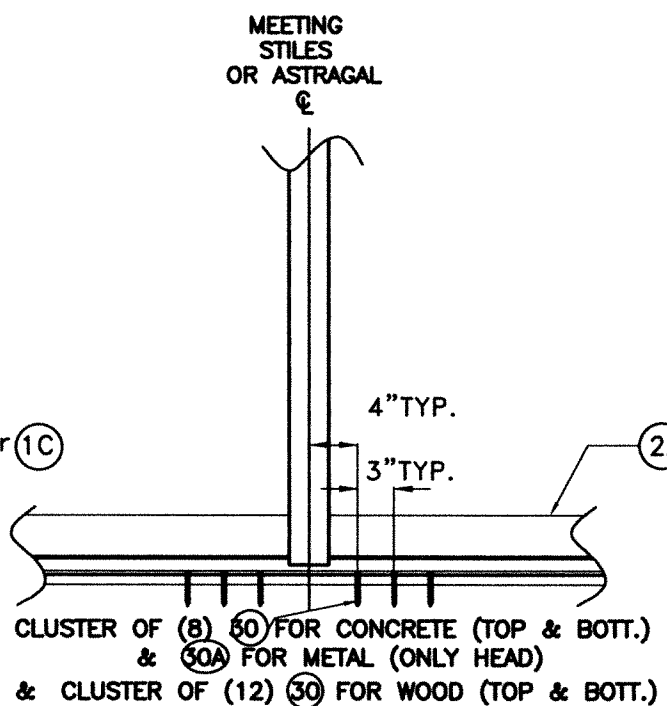


ELEVATION

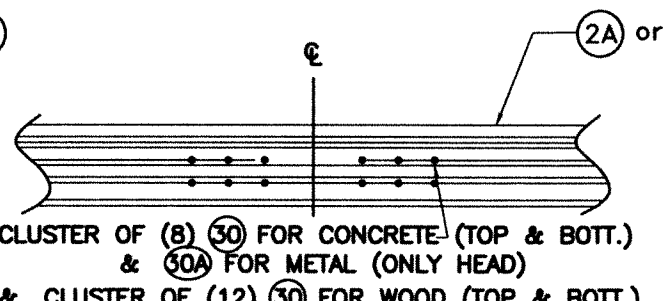


PLAN

2 TRACK DOOR

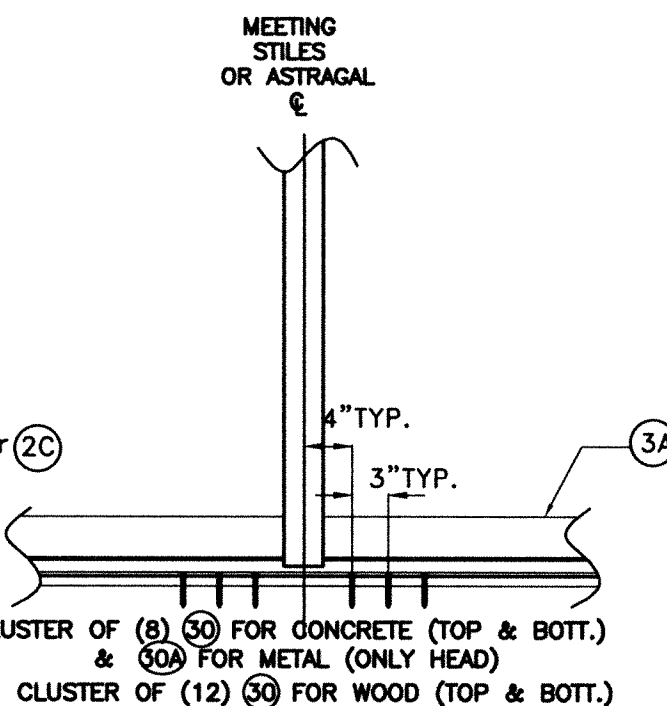


ELEVATION

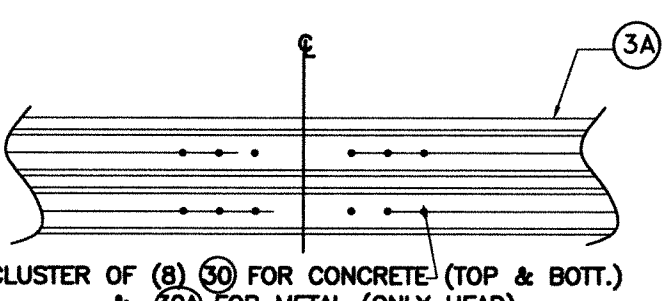


PLAN

3 TRACK DOOR

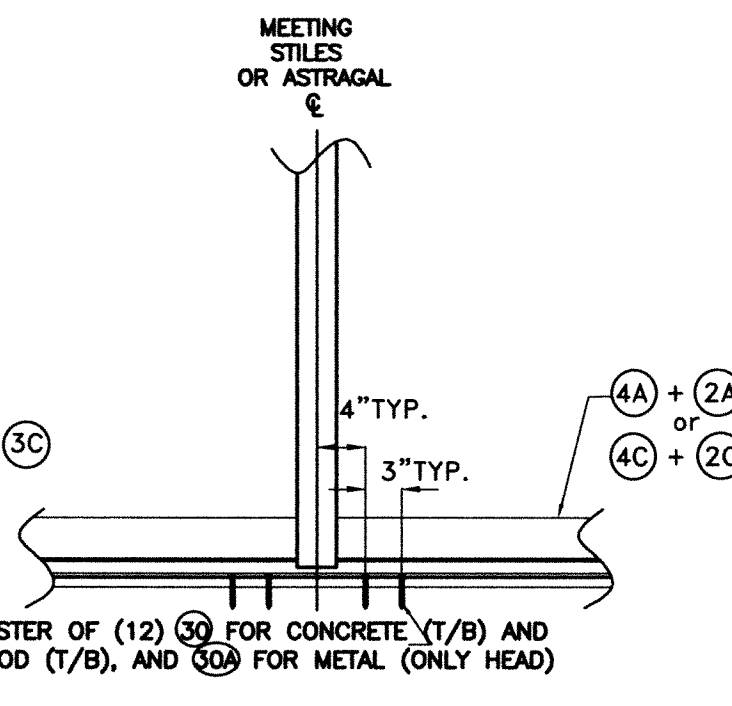


ELEVATION

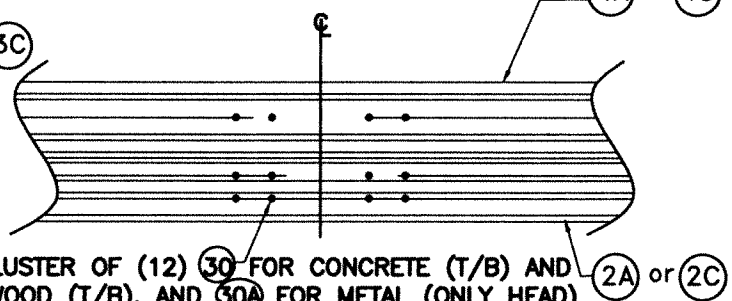


PLAN

4 TRACK DOOR



ELEVATION



PLAN

5 TRACK DOOR

*** NOTE:**

- USE HALF OF TOTAL ANCHORS CLUSTER AT HEAD & SILL AT JAMBS (ATTACHED OR FREE STANDING).
- SEE VERTICAL SECTIONS A , A' , B , B' , C , C' , D & D' ON SHT'S 17 THRU 20B.
- SEE NOTE 9/1 FOR SUBSTRATE DEFINITION FOR EACH ANCHOR TYPE.

FLORIDA BUILDING CODE (High & Non High Velocity Hurricane Zone)

WALTER A. TILLIT Jr., P.E.
8/10/2023
P.E. SEAL/SIGNATURE/DATE

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**SERIES 28000 HIGH IMPACT SLIDING
GLASS DOOR / LARGE AND SMALL MISSILE**

290 WEST 78 ROAD
HIALEAH, FL. 33014
PH: (954)226-5555/(305)558-8103
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WINDOWS & DOORS

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-

W.H
DRAWN BY:
08/11/2023
DATE
23-173
DRAWING No
SHEET 24 OF 26

MAX. ANCHOR 30 OR 30A SPACING AND MIN. QUANTITY OF ANCHORS 30 & 30A SCHEDULE FOR ATTACHED JAMBS
FOR A GIVEN A.S.D. DESIGN WIND LOAD AND A GIVEN NUMBER OF DOOR JAMB TRACKS,
FOR A GIVEN SUBSTRATE TYPE AT EXISTING JAMB *

A.S.D. NEGATIVE DESIGN WIND LOAD (psf)	POURED CONCRETE OR CONCRETE BLOCK WALL				WOOD FRAME OR 2x WOOD BUCKS OR 1/8" STEEL (MIN. GRADE 33) OR 1/8" ALUMINUM (6063-T5)			
	2 TRACK DOOR	3 TRACK DOOR	4 TRACK DOOR	5 TRACK DOOR	2 TRACK DOOR	3 TRACK DOOR	4 TRACK DOOR	5 TRACK DOOR
60.0 or LESS	(1) @ 18" O.C.	(2) @ 18" O.C.	(2) @ 18" O.C.	(3) @ 18" O.C.	(1) @ 12" O.C.	(2) @ 18" O.C.	(2) @ 18" O.C.	(3) @ 18" O.C.
>60.0 to 90.0	(1) @ 14" O.C.	(2) @ 14" O.C.	(2) @ 14" O.C.	(3) @ 14" O.C.	(1) @ 10" O.C.	(2) @ 14" O.C.	(2) @ 14" O.C.	(3) @ 14" O.C.
>90.0 up to 110.0	(1) @ 9" O.C.	(2) @ 9" O.C.	(2) @ 9" O.C.	(3) @ 9" O.C.	(1) @ 8" O.C.	(2) @ 9" O.C.	(2) @ 9" O.C.	(3) @ 9" O.C.
>110.0 up to 177.0	(1) @ 8" O.C.	(2) @ 8" O.C.	(2) @ 8" O.C.	(3) @ 8" O.C.	(1) @ 8" O.C.	(2) @ 8" O.C.	(2) @ 8" O.C.	(3) @ 8" O.C.

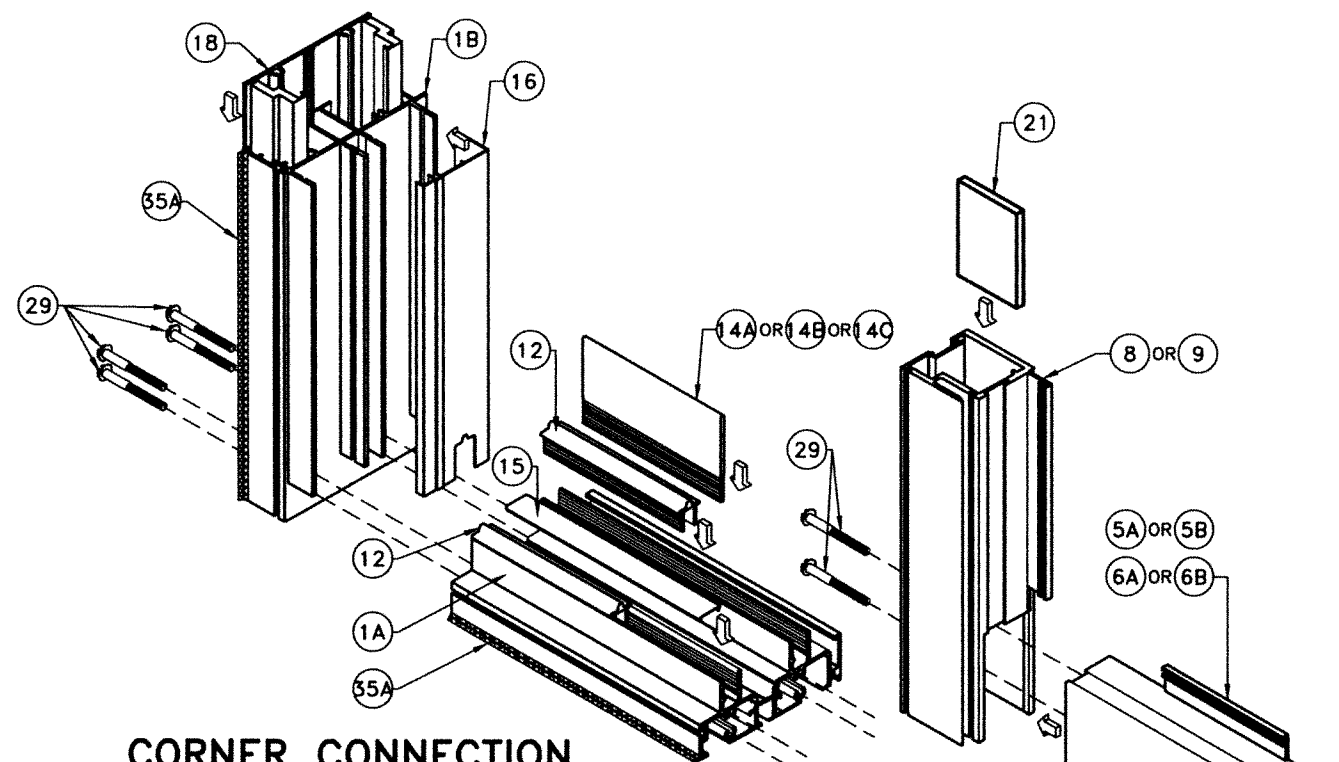
* REQUIRED ONLY FOR ATTACHED JAMBS, NOT REQUIRED FOR FREE STANDING JAMBS (JAMB W/19 REINFORCEMENT).
SEE SECTIONS FOR ANCHOR LOCATIONS AT JAMBS ON SHEETS 11 THRU 14.

WALTER A. TILLIT JR.
P.E. SEAL/SIGNATURE/DATE
5/14/2023

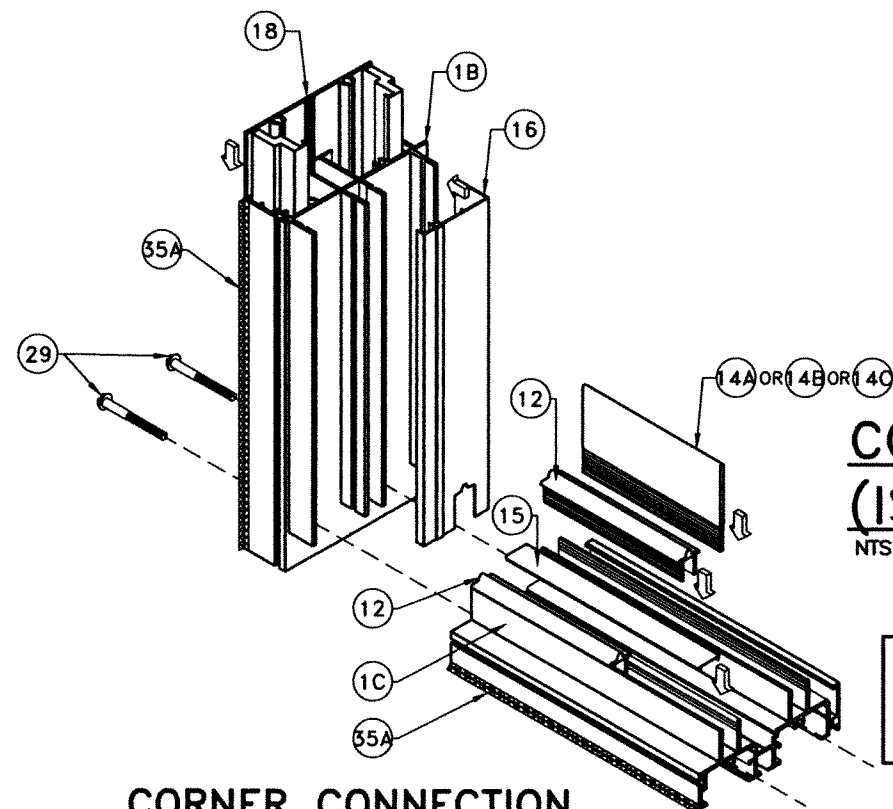
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				23-173 DRAWING No	
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 21-114	08/11/23	2	-	-
SHEET 25 OF 26					



**CORNER CONNECTION
AT FRAME SILL**



**CORNER CONNECTION
MEETING STILES AT
BOTTOM RAIL**

CORNER DETAILS

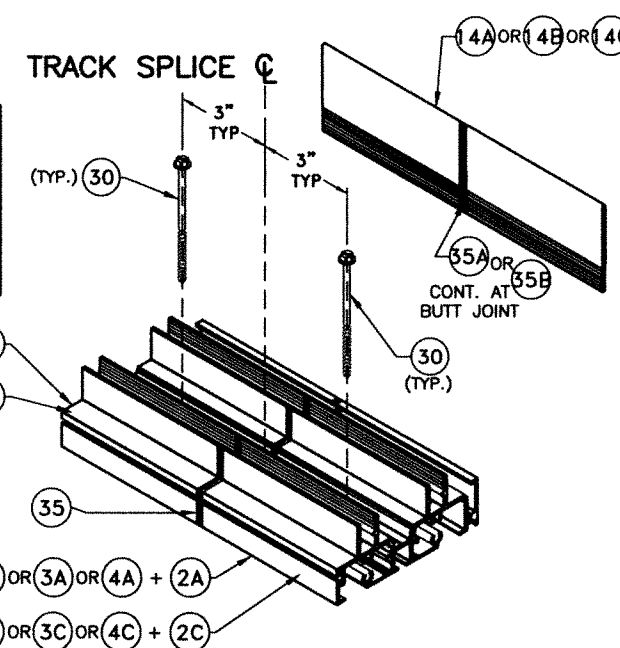
(ISOMETRIC): 2 TRACK CONFIGURATION IS SHOWN
3-5 TRACKS CONFIGURATIONS ARE SIMILAR

APPLY (35A) ALL AROUND EVERY CORNER
JOINT AT DOOR PANEL AS WELL AS
BETWEEN FRAMING MEMBERS.

**CORNER CONNECTION
AT ALTERNATIVE
FRAME SILL**

LARGE & SMALL MISSILE DOORS

USE (1) (30) • 2 TRACK DOOR
USE (2) (30) • 3 TRACK DOOR
USE (2) (30) • 4 TRACK DOOR
USE (3) (30) • 5 TRACK DOOR
AT EITHER SIDE OF SPLICE



**DETAIL Y: TRACK BUTT SPLICE TYPICAL
(HEAD & SILL)
APPLICABLE FOR 2, 3, 4 & 5 TRACKS
PLUS SILL RISER BUTT SPLICE DETAIL**

**CORNER CONNECTION
MEETING STILE & ATRAGAL
AT BOTTOM RAIL**

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44167
2023
P.E. SEAL/SIGNATURE/DATE

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						23-173 DRAWING No
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE	
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