

PANDA WINDOWS & DOORS
LIFT & SLIDE DOOR IS14

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GENERAL NOTES

- 1. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE AND SMALL MISSILE IMPACT RESISTANT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS).
- 2. THIS PRODUCT HAS BEEN TESTED TO TAS 201-94, TAS 202-94, AND TAS 203-94, AND MEETS THE REQUIREMENTS OF THE FLORIDA BUILDING CODE, 7TH EDITION (2020), INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
- 3. ALLOWABLE CONFIGURATIONS FOR ALL-ALUMINUM (AA) OR ALUMINUM/WOOD (AW), ALL ARE QUALIFIED TO +/-100 PSF DESIGN PRESSURE WITH MAXIMUM HEAD AND SILL ANCHOR CLUSTER, SEE TABLE 2 SHEET 5: UNLIMITED NUMBER OF PANELS MAY BE USED IN THE CONFIGURATIONS INDICATED BELOW. "X" INDICATES OPERABLE PANEL, "O" INDICATES FIXED PANEL, "90" INDICATES 90 DEGREE ASTRAGAL, AND "P" INDICATES POCKET. IN ALL CONFIGURATIONS INDICATED BELOW, BOTH LEFT AND RIGHT STACKS ARE ACCEPTABLE, FOR EXAMPLE OXX MAY ALSO BE XXO.
STRAIGHT 2(OX), 3(OXX), 4(OXXX), 5(OXXXX), 6(OXXXXX), 7(OXXXXXX), 8(OXXXXXXX), ETC.
STRAIGHT BI-PARTING 3(OX-O), 4(OX-XO), 5(OXX-XO), 6(OXX-XXO), 7(OXXX-XXO), 8(OXXX-XXXO), ETC.
STRAIGHT POCKETING , 1(PX), 2(PXX), 3(PXXX), 4(PXXXX), 5(PXXXXX), 6(PXXXXXX) 7(PXXXXXXX), ETC.
STRAIGHT BI-PARTING POCKETING, 1(PX), 2(PX-XP), 3(PX-O), 4(PXX-XXP), 5(PXXX-XXP), 6(PXXX-XXXP), 7(PXXXX-XXXP), 8(PXXXX-XXXXP), ETC.
90° L-1R(OX-90°-O), 2L-2R(OX-90°-XO), 3L-2R (OXX-90°-XX), 3R-3L(OXX-90°-XXO), 4R-3L(OXXX-90°-XXX), 4R-4L (OXXX-90°-XXXO), ETC.
90° POCKETING 1L-1R(PX-90°-O), 1L-1R(PX-90°-XP), 2L-1R(PXX-90°-O), 2L-1R(PXX-90°-XP), 2L-2R(PXX-90°-XXP), 3L-2R (PXXX-90°-XXP), 3R-3L(PXXX-90°-XXXP), 4R-3L(PXXXX-90°-XXXP), 4R-4L(PXXXX-90°-XXXXP), ETC.

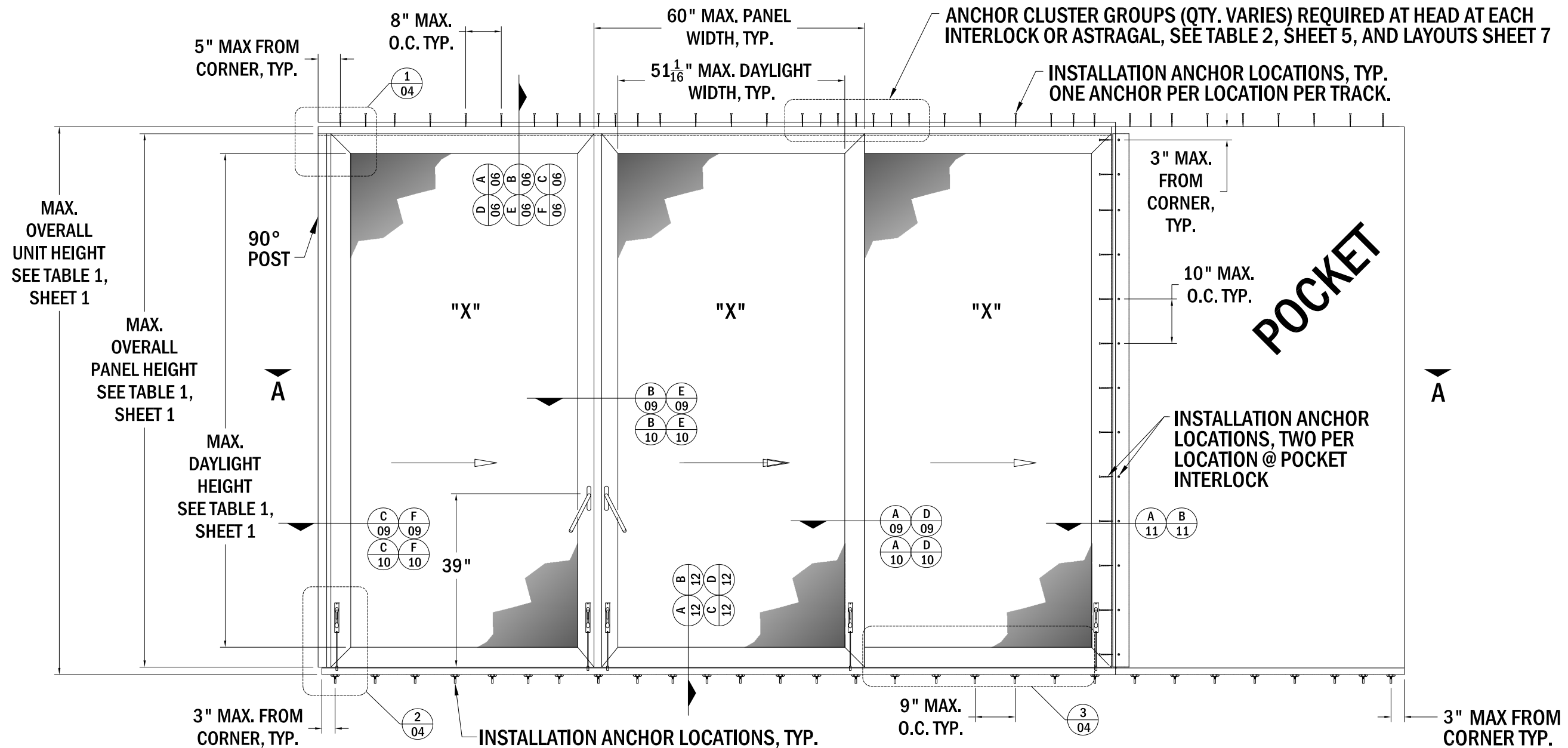
- 4. THE DESIGN PRESSURE RATINGS SHOWN IN THIS DRAWING ARE AS LIMITED BY ASTM E-1300 GLASS TABLES, AND TESTED WATER, STRUCTURAL, AND CYCLIC PRESSURES.
- 5. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
- 6. INSTALLATION OF 1X OR 2X WOOD BUCKS TO THE SUBSTRATE TO BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & BUCKING FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J.
- 7. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH 6063-T5 AND 6063-T6 ALUMINUM. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER WINDOW MATERIALS.
- 8. ALL HARDWARE & FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED PROFESSIONAL ENGINEER ON A SITE-SPECIFIC BASIS.
- 9. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT.

TABLE 1. DESIGN PRESSURES WITH OR WITHOUT WATER INFILTRATION

Table with 6 columns: MAX. DOOR HEIGHT, MAX. PANEL HEIGHT, MAX. D.L.O. HEIGHT, EXTERIOR PANEL STIFFENER ITEM 16, FU10750, REQUIRED, DESIGN PRESSURE RATING, IMPACT RATING. It contains two rows of data for different door heights (123 1/4" and 147 1/4") and their corresponding design pressures and impact ratings.

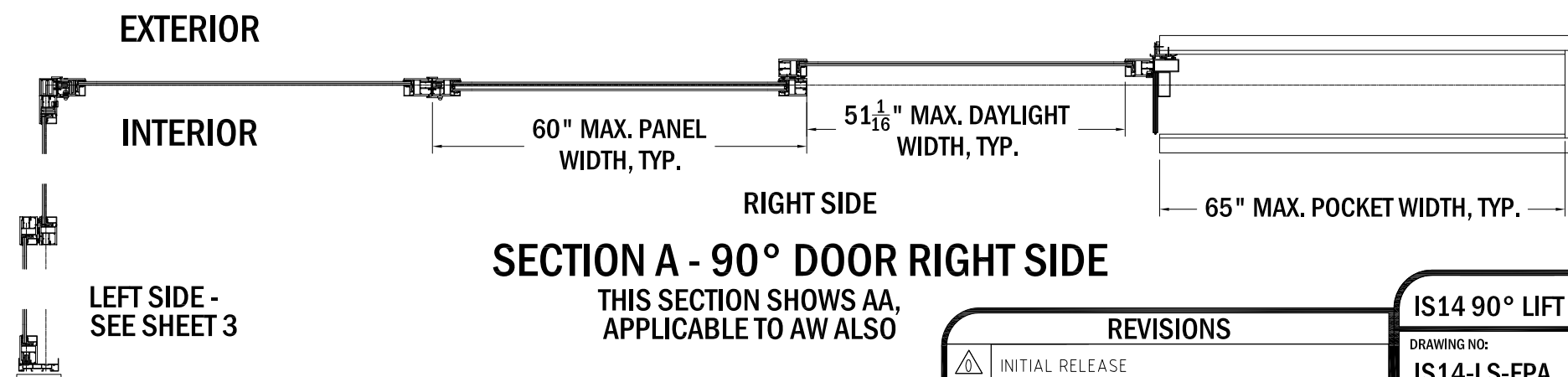
REVISIONS table with 3 rows: INITIAL RELEASE, FBC 2020 UPDATE, and a blank row.
IS14 90° LIFT & SLIDE DOOR LM IMPACT header.
Table with 4 columns: DRAWING NO: IS14-LS-FPA, SHEET: 01 OF 15, SCALE: NTS, DRAWN BY: LAT.
Table with 2 columns: SHEET DESCRIPTION: ELEVATIONS, NOTES, DATE: 01.20.15.

PANDA WINDOWS & DOORS logo and contact information: 3415 BELLINGTON RD., N.LAS VEGAS, NV 89101, PHN: (702) 643-5700, FAX: (702) 643-5715.
Professional Engineer seal for Lucas A. Turner, License No. 58201, State of Florida.
Contact information for Lucas Turner: 12/21/2020, LUCAS TURNER, FL PE 58201, TURNER ENGINEERING & CONSULTING, INC., FBPE COA 29779, 2428 OLD NATCHEZ TRACE TRL., CAMDEN, TN, 38320, PH 941-380-1574.



90° DOOR RIGHT SIDE ELEVATION VIEW

ELEVATION PROVIDED FOR TYPICAL SECTION CALLOUTS AND TO INDICATE MAXIMUM PANEL SIZES AND ANCHOR SPACING ONLY. ANY NUMBER OF PANELS MAY BE USED, IN ANY CONFIGURATION INDICATED ON SHEET 1.

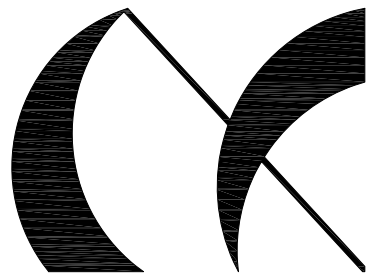


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IS14-LS-FPA	02 OF 15	NTS	LAT
SHEET DESCRIPTION:	DATE:		
ELEVATION	01.20.15		

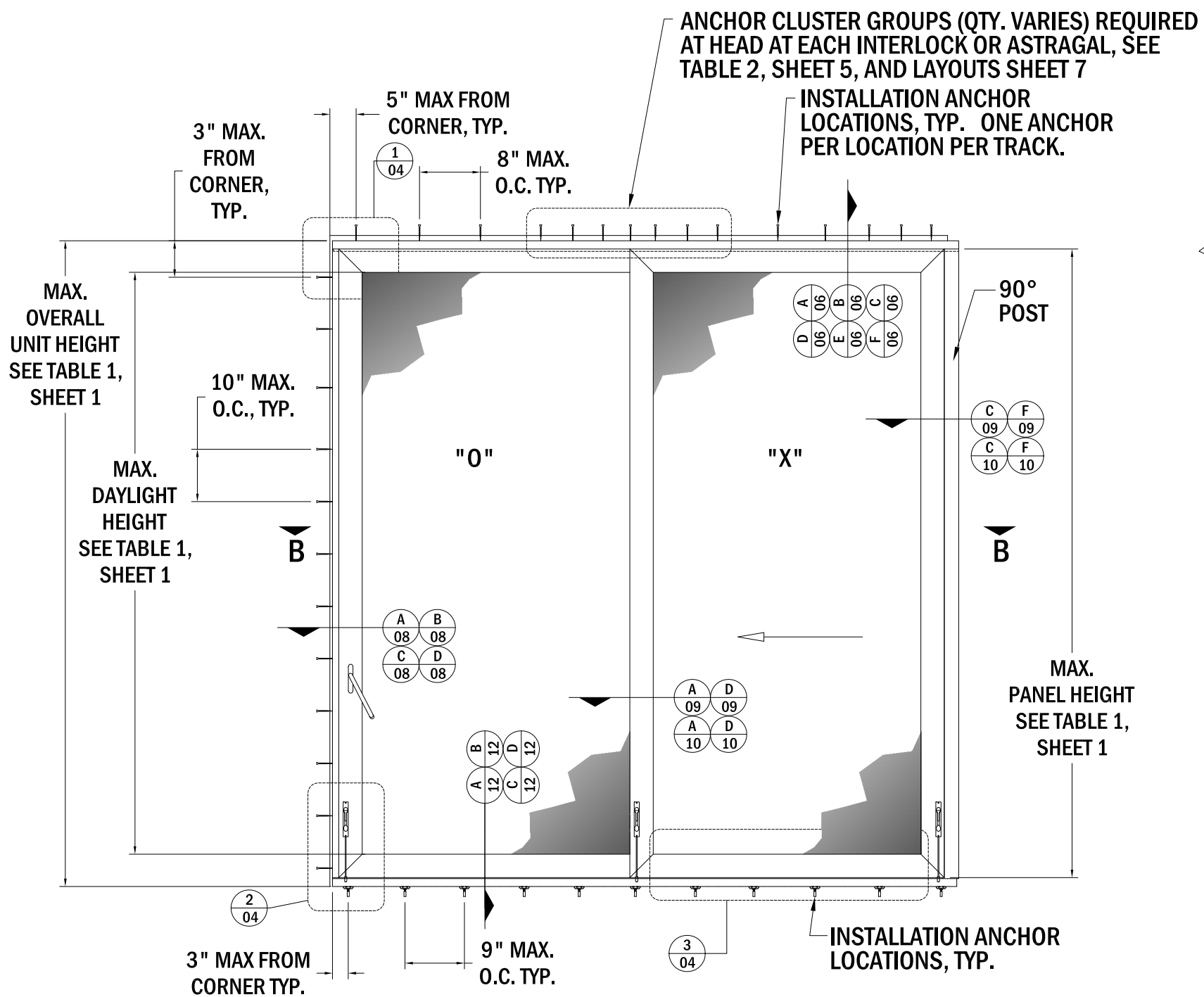


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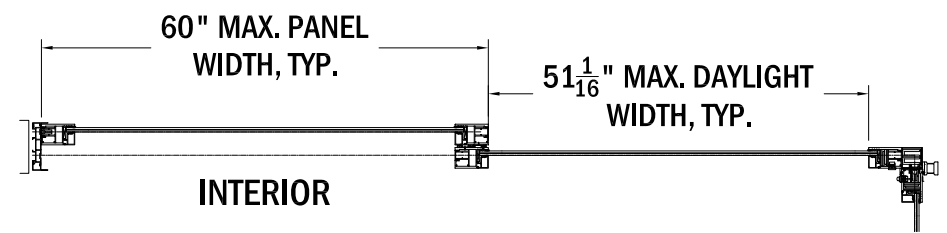


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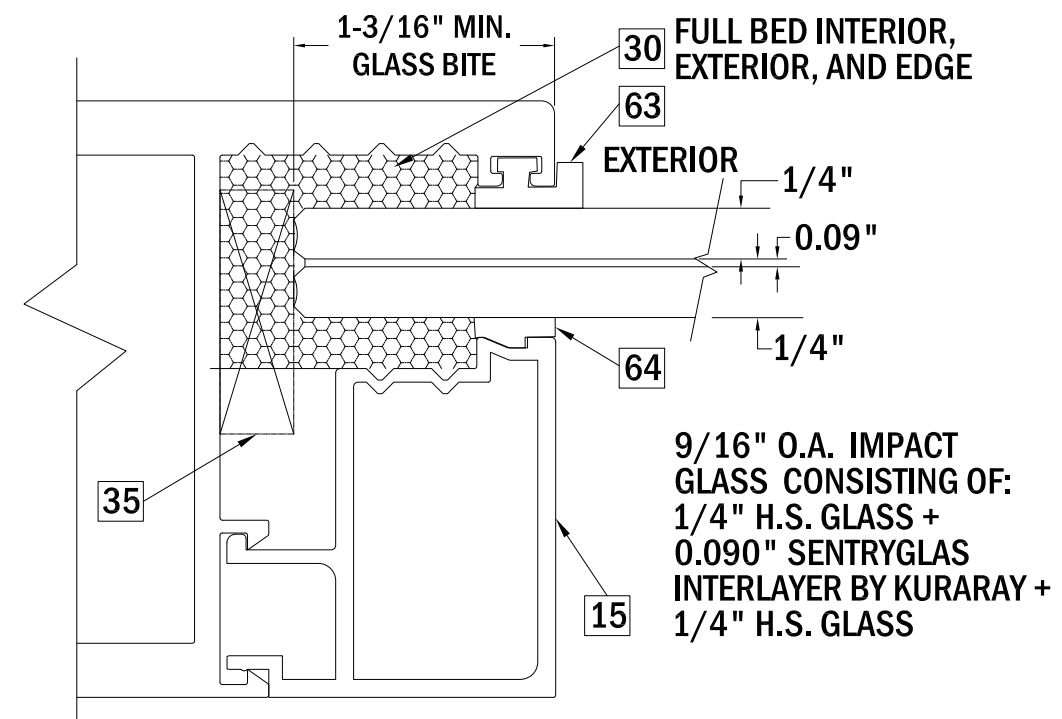


90° DOOR LEFT SIDE ELEVATION VIEW

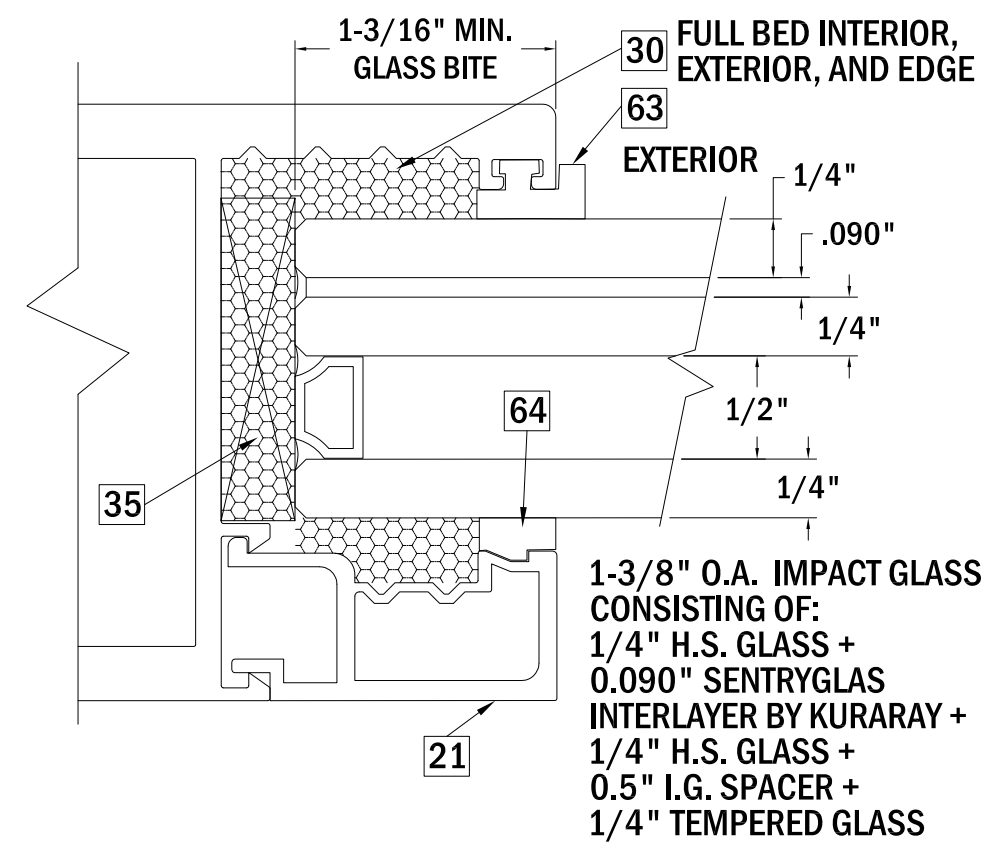
ELEVATION PROVIDED FOR TYPICAL SECTION CALLOUTS AND TO INDICATE MAXIMUM PANEL SIZES AND ANCHOR SPACING ONLY. ANY NUMBER OF PANELS MAY BE USED, IN ANY CONFIGURATION INDICATED ON SHEET 1.



SECTION B - 90° DOOR LEFT SIDE



AA 9/16" LAMINATED GLAZING DETAIL (FULL SCALE)



AA 1-3/8" LAMINATED I.G. GLAZING DETAIL (FULL SCALE)

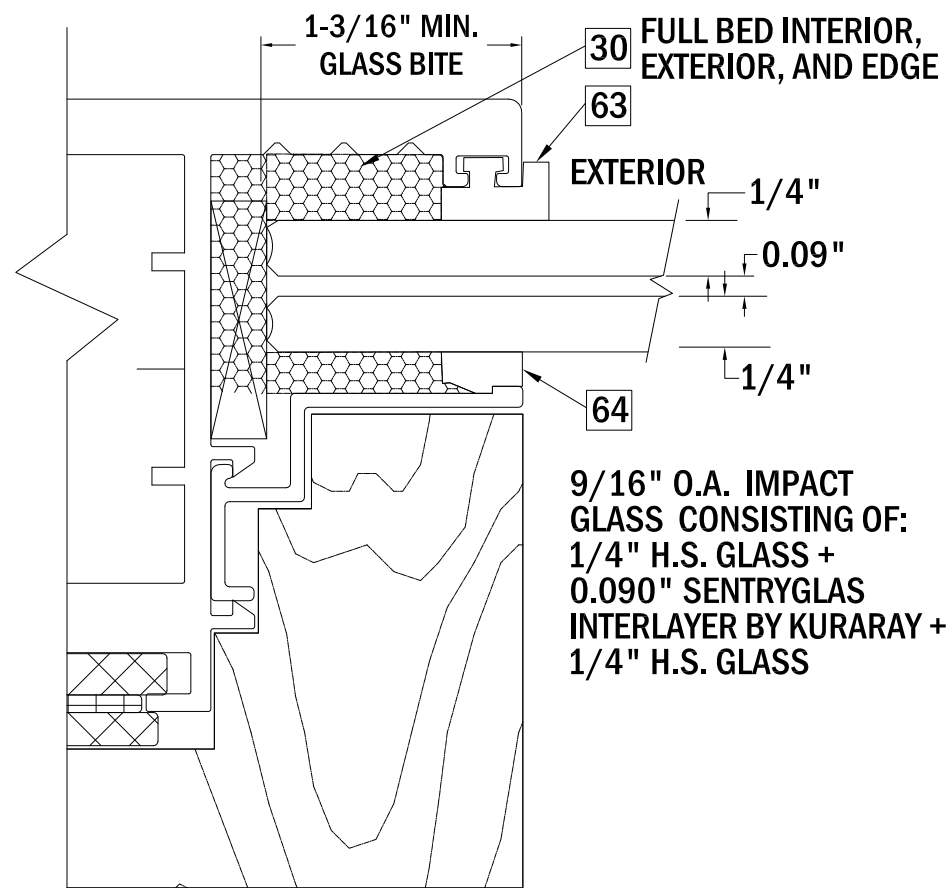
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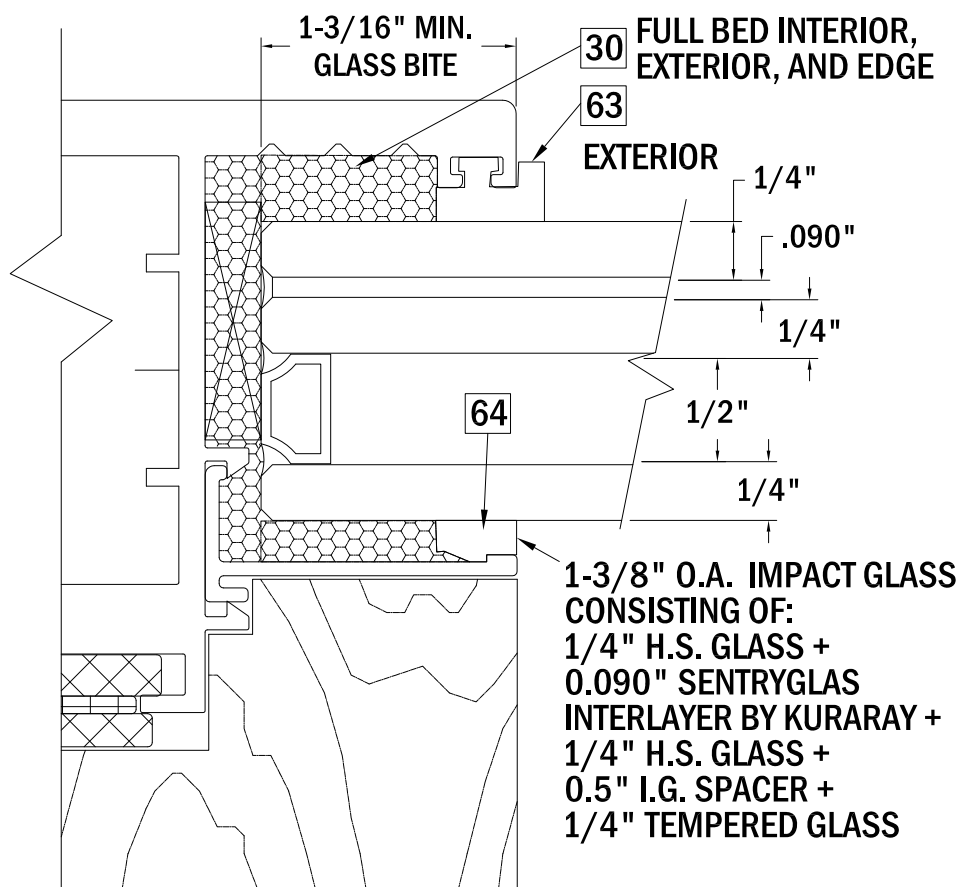


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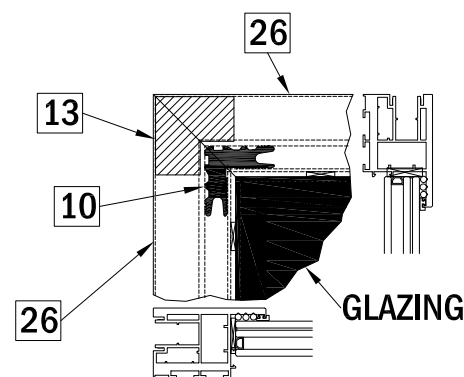
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△	INITIAL RELEASE	DRAWING NO:	IS14-LS-FPA	SHEET:	03 OF 15	SCALE:	NTS
△	FBC 2020 UPDATE	SHEET DESCRIPTION:	ELEVATION, GLAZING DETAILS		DATE:	01.20.15	
△							



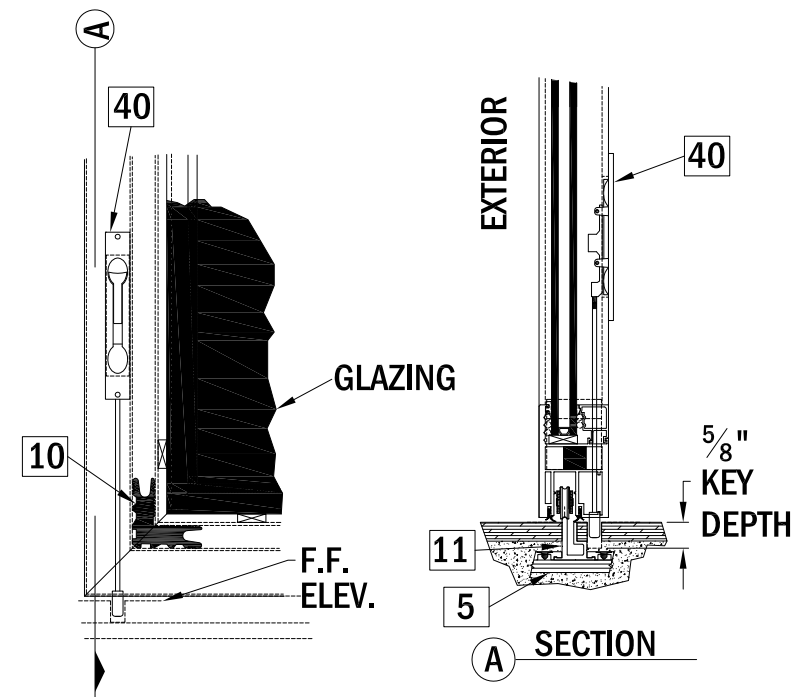
AW 9/16" LAMINATED GLAZING DETAIL (FULL SCALE)



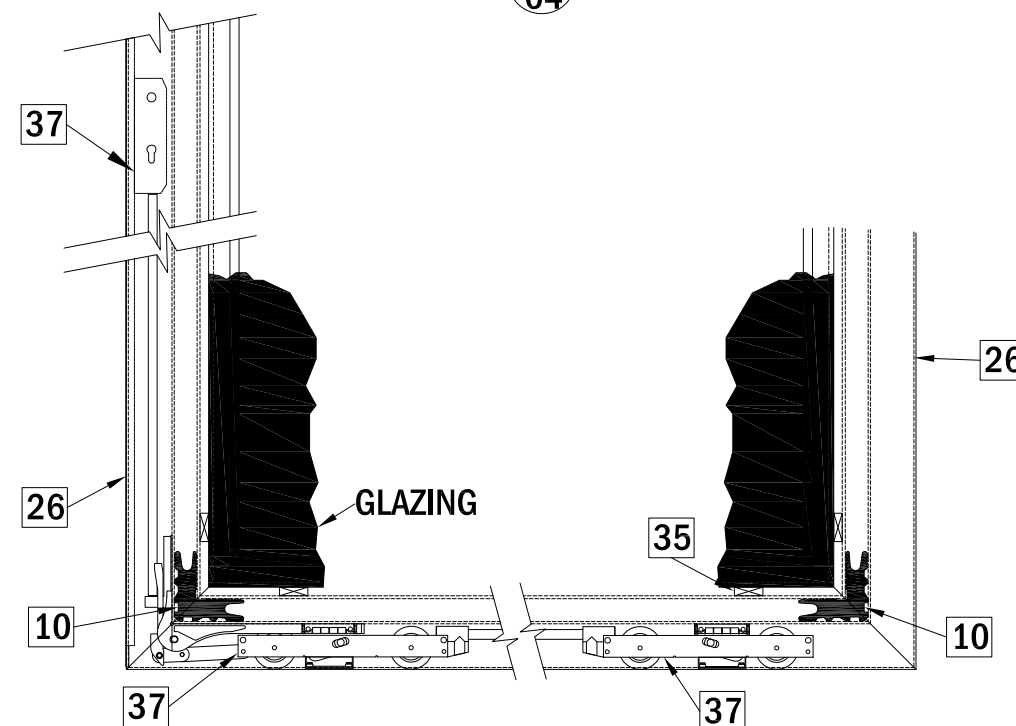
AW 1-3/8" LAMINATED I.G. GLAZING DETAIL (FULL SCALE)



1/14 KEY CORNER DETAIL



2/04 GUST LATCH DETAIL



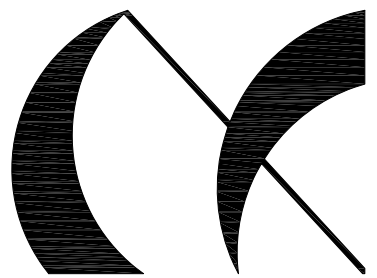
3/04 BOTTOM ROLLER DETAIL

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GLAZING DETAIL, HARDWARE			01.20.15



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Table 2. Head Cluster Total Anchor Quantities by Door Size and Design Pressure
S-I/A indicates Straight Door Interlock or Astragal. 90-A indicates 90deg. Astragal

Panel Width (in.)	Design Pressure (psf)	Door Height (in.)									
		99 1/4		111 1/4		123 1/4		135 1/4		144 1/4	
		S-I/A	90-A	S-I/A	90-A	S-I/A	90-A	S-I/A	90-A	S-I/A	90-A
36	30	4	4	4	4	4	4	4	4	4	4
	40	4	4	4	4	4	4	4	4	4	4
	50	4	4	4	4	4	4	4	5	4	5
	60	4	4	4	4	4	5	4	5	4	6
	70	4	4	4	5	4	6	5	6	5	7
	80	4	5	4	6	5	6	5	7	6	8
	90	4	6	5	6	5	7	6	8	6	9
	100	5	6	5	7	6	8	6	9	7	10
42	30	4	4	4	4	4	4	4	4	4	4
	40	4	4	4	4	4	4	4	4	4	5
	50	4	4	4	4	4	5	4	5	4	6
	60	4	4	4	5	4	6	4	6	5	7
	70	4	5	4	6	5	6	5	7	6	8
	80	4	6	5	6	5	7	6	8	6	9
	90	5	6	5	7	6	8	6	9	7	10
	100	5	7	6	8	6	9	7	10	8	11
48	30	4	4	4	4	4	4	4	4	4	4
	40	4	4	4	4	4	4	4	5	4	5
	50	4	4	4	5	4	5	4	6	5	6
	60	4	5	4	5	4	6	5	7	5	7
	70	4	5	5	6	5	7	6	8	6	9
	80	4	6	5	7	6	8	6	9	7	10
	90	5	7	6	8	6	9	7	10	8	11
	100	5	8	6	9	7	10	8	11	9	12
54	30	4	4	4	4	4	4	4	4	4	4
	40	4	4	4	4	4	5	4	5	4	6
	50	4	4	4	5	4	6	5	6	5	7
	60	4	5	4	6	5	7	5	7	6	8
	70	4	6	5	7	6	8	6	8	7	9
	80	5	7	6	8	6	9	7	10	8	11
	90	5	7	6	8	7	10	8	11	9	12
	100	6	8	7	9	8	11	9	12	9	13
60	30	4	4	4	4	4	4	4	4	4	5
	40	4	4	4	4	4	5	4	5	4	6
	50	4	5	4	5	4	6	5	7	5	7
	60	4	5	5	6	5	7	6	8	6	9
	70	5	6	5	7	6	8	7	9	7	10
	80	5	7	6	8	7	9	7	10	8	11
	90	6	8	7	9	7	10	8	12	9	13
	100	6	9	7	10	8	11	9	13	10	14

GENERAL ANCHOR NOTES:

1. SEE ANCHOR LOCATIONS ON ELEVATIONS SHEETS 2 AND 3. ANCHOR QUANTITIES PER LOCATION VARY WITH NUMBER OF TRACKS AS FOLLOWS:
HEAD AND JAMB - ONE ANCHOR PER TRACK PER LOCATION; ANCHOR CLUSTERS AFFECT SPACING AT INTERLOCKS OR ASTRAGALS, SEE SHEET 07 FOR FURTHER DETAILS.
SILL - TWO ANCHORS PER LOCATION TYPICAL; EXCEPTIONS ARE AT INTERLOCKS OR ASTRAGALS, SEE SHEET 12 FOR FURTHER DETAILS
2. THE MAXIMUM ANCHOR SPACING SHOWN IN THE ELEVATIONS ON SHEETS 2 AND 3 SHALL NOT BE EXCEEDED. REDUCE EDGE OR ON-CENTER SPACING AS REQUIRED TO ENSURE 3" MIN. SPACING IS MAINTAINED BETWEEN ANY TWO FASTENERS.
3. INSTALL SHIMS AT EACH ANCHOR LOCATION WHERE A GAP OF 1/16" OR GREATER EXISTS BETWEEN PRODUCT FRAME AND SUBSTRATE.
4. SHIMS SHALL BE LOAD-BEARING (PLASTIC OR METALLIC) AND CAPABLE OF TRANSFERRING LOADS TO SUBSTRATE.
5. SPECIFIED ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL FINISH OR STUCCO.
6. FOR INSTALLATIONS TO METAL SUBSTRATES WITH ANCHOR TYPE D (SEE TABLE 3 BELOW), ENSURE ANCHORS ARE LONG ENOUGH TO PROVIDE FULL THREAD ENGAGEMENT (THREE THREADS) THROUGH THE METAL WALL THICKNESS.
7. FOR INSTALLATIONS TO CONCRETE WITH ANCHOR TYPE A (SEE TABLE 3 BELOW), OPTIONAL 1X WOOD BUCKS BY OTHERS, BETWEEN THE PRODUCT AND CONCRETE MAY BE USED, SEE GENERAL NOTE 6, SHEET 1. IF USED, INSTALLER SHALL APPLY SEALANT BETWEEN 1X WOOD BUCKS AND CONCRETE.

Table 3. Qualified Intallation Anchor Types and Substrates

ID	SUBSTRATE	ANCHOR	MIN. EMBED.	MIN. EDGE DISTANCE
A	HEAD AND JAMB - SOLID UNCRACKED CONCRETE (2.85 KSI MIN)	1/4" ELCO ULTRACON	1-3/4"	1-5/8"
B	SILL - SOLID UNCRACKED CONCRETE (2 KSI MIN)	3/8" X 1" (1/4" I.D.) ITW REDHEAD DROP-IN ANCHOR WITH 1/4-20 ALL-THREAD, WASHER, AND 1/4" NUTS (ABOVE AND BELOW U-CHANNEL)	1"	1-3/4"
C	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	#14 GRADE 5 STEEL WOOD SCREW	1-1/2"	1"
D	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI MIN.	#1/4-28 ITW TEKS SELF-DRILLING SCREW	SEE NOTE 6, THIS SHEET	1/2"

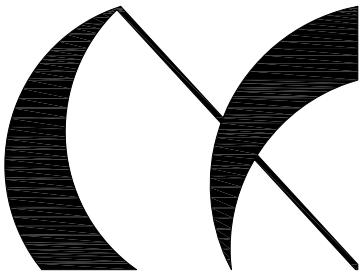
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ANCHORAGE NOTES/TABLES			01.20.15

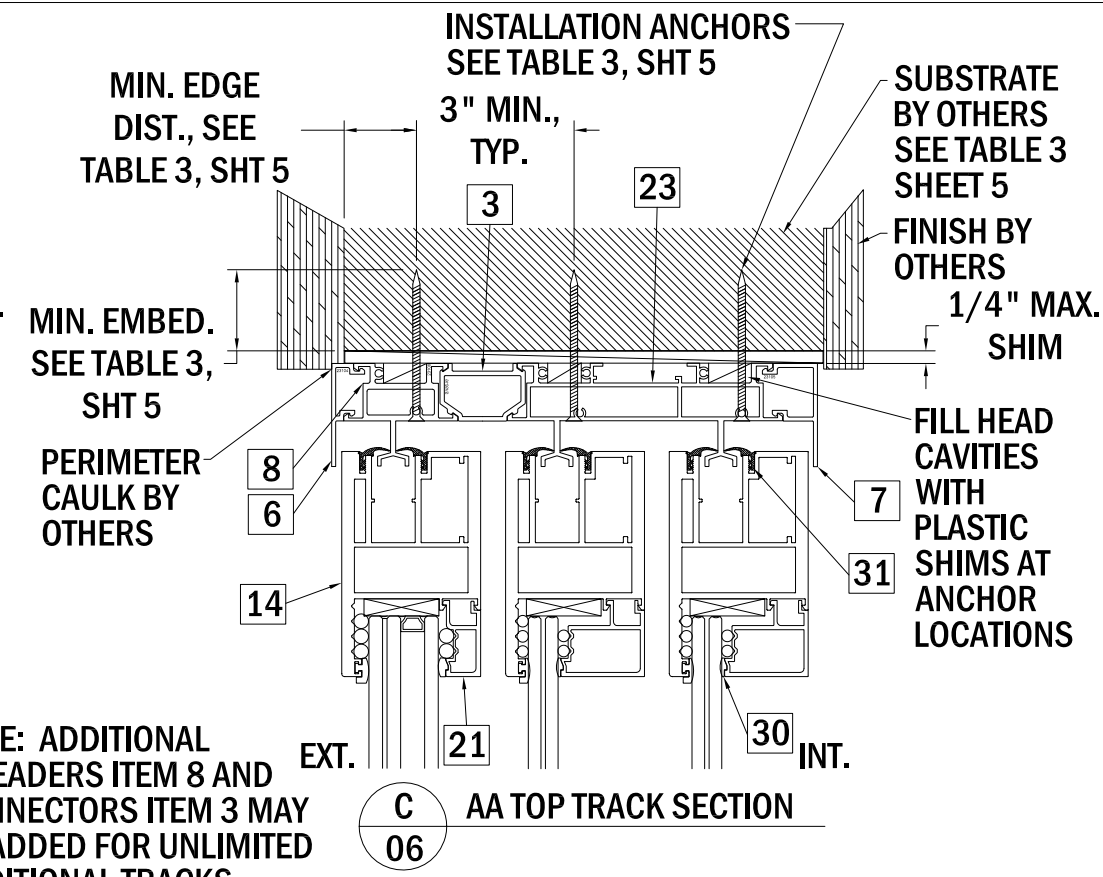
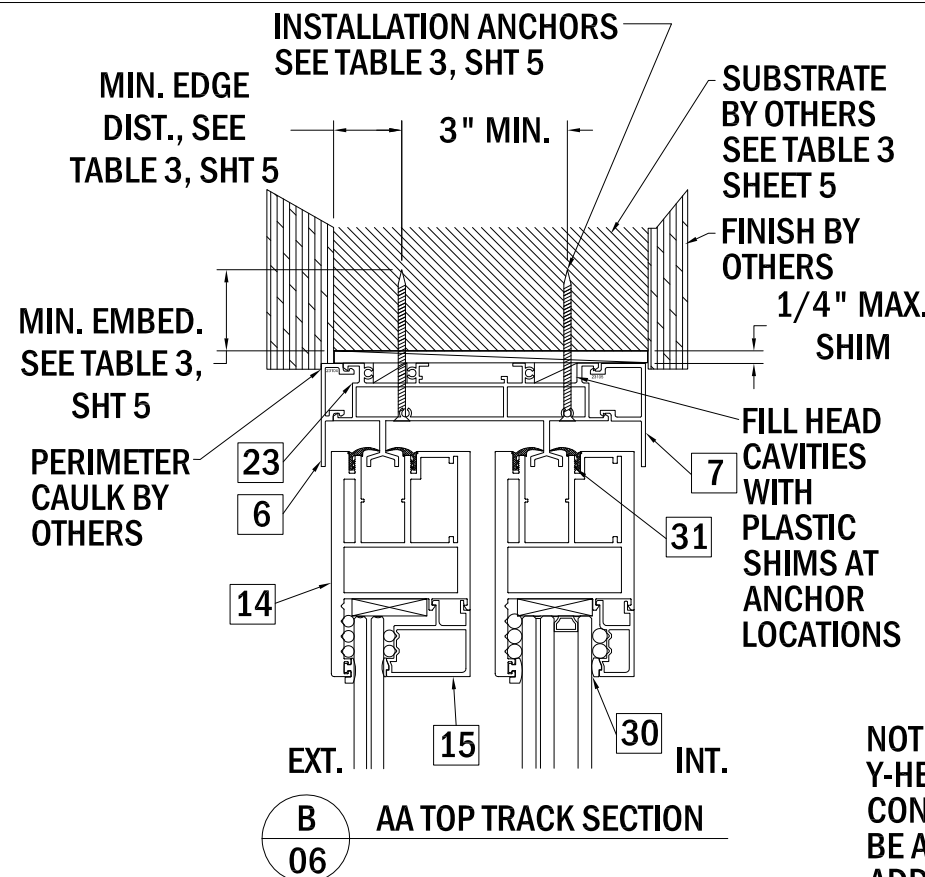
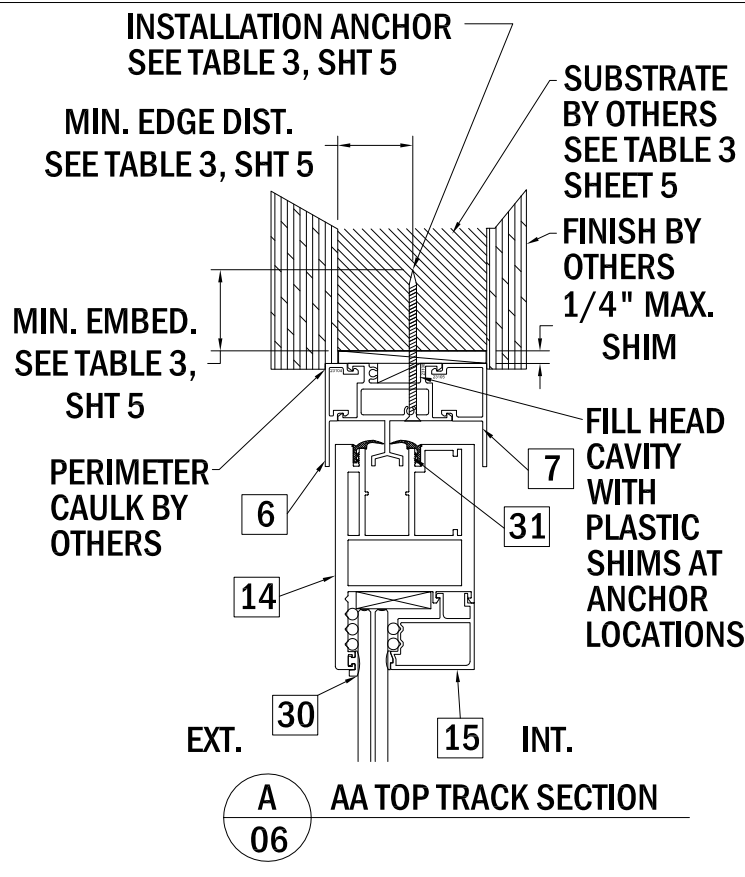


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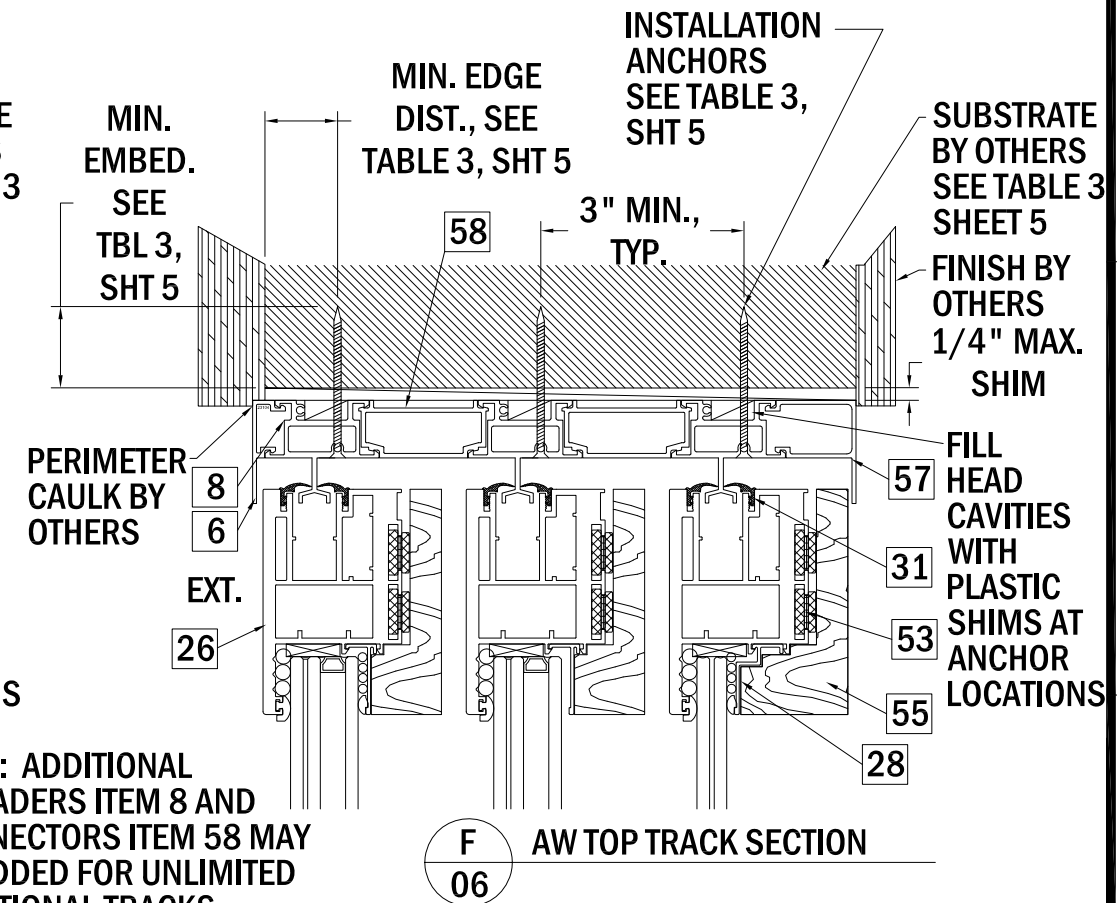
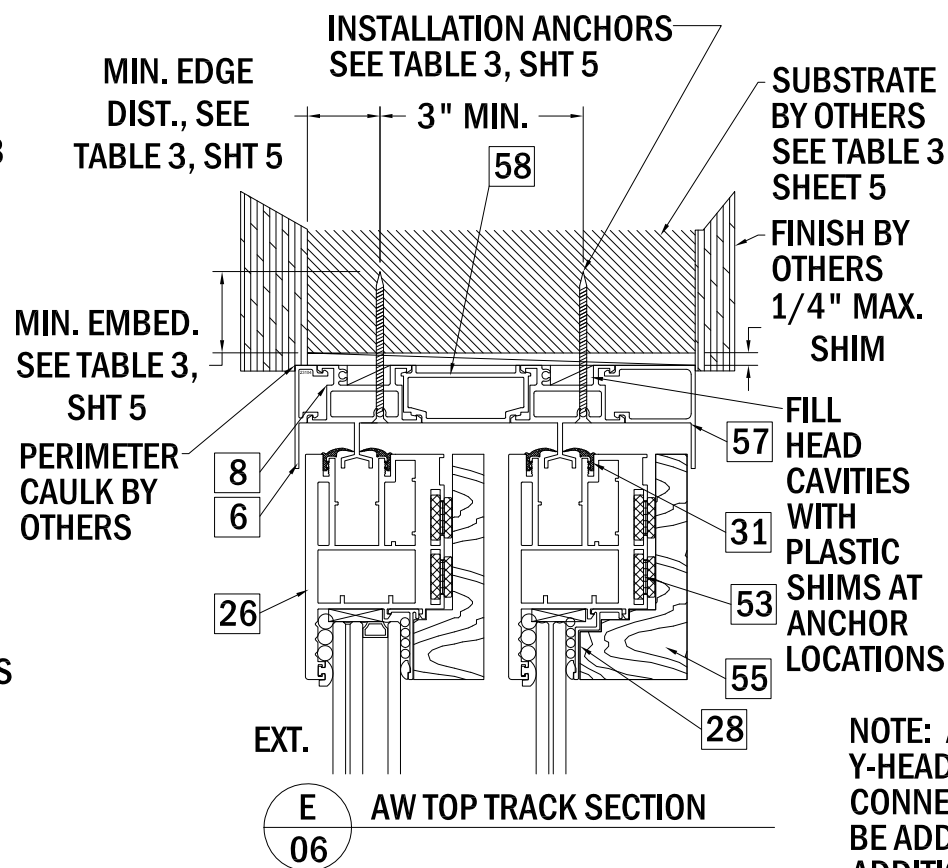
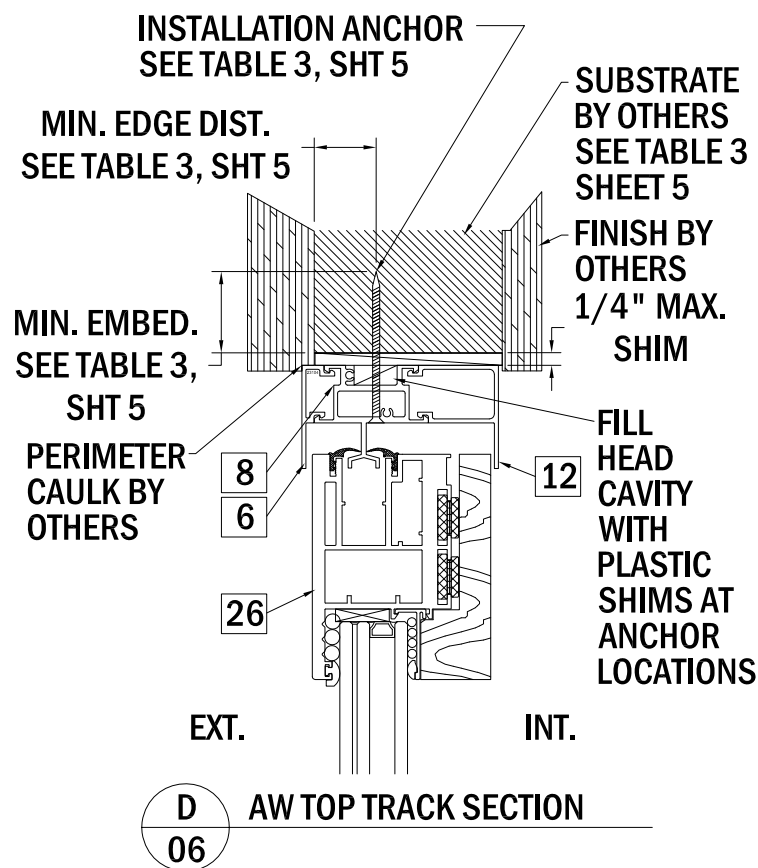
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NOTE: ADDITIONAL Y-HEADERS ITEM 8 AND CONNECTORS ITEM 3 MAY BE ADDED FOR UNLIMITED ADDITIONAL TRACKS.



NOTE: ADDITIONAL Y-HEADERS ITEM 8 AND CONNECTORS ITEM 58 MAY BE ADDED FOR UNLIMITED ADDITIONAL TRACKS.



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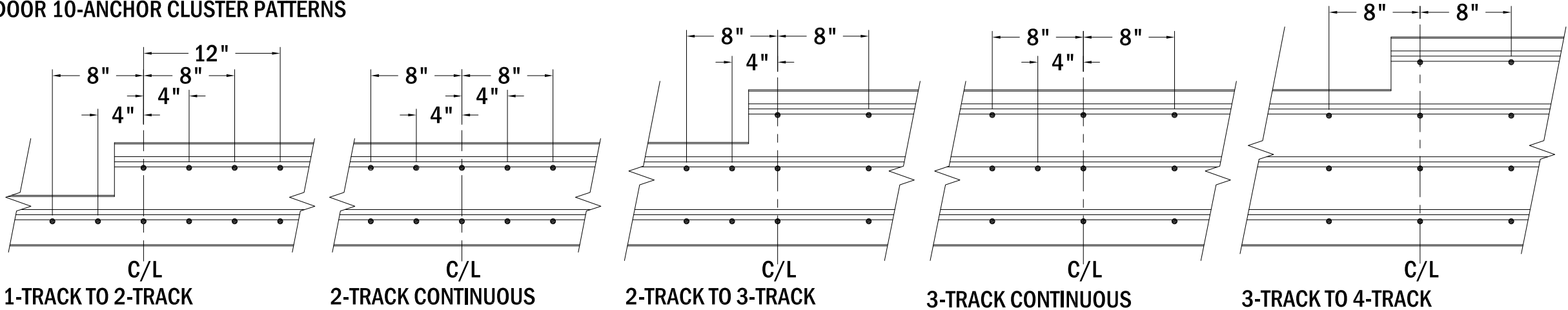
NOTE: DETAILS THIS SHEET SHOW VARIOUS GLAZINGS FOR REFERENCE PURPOSES; ALL GLAZING MAY BE EITHER SINGLE-PANE OR I.G. AS INDICATED IN GLAZING DETAILS ON SHEETS 3 AND 4.

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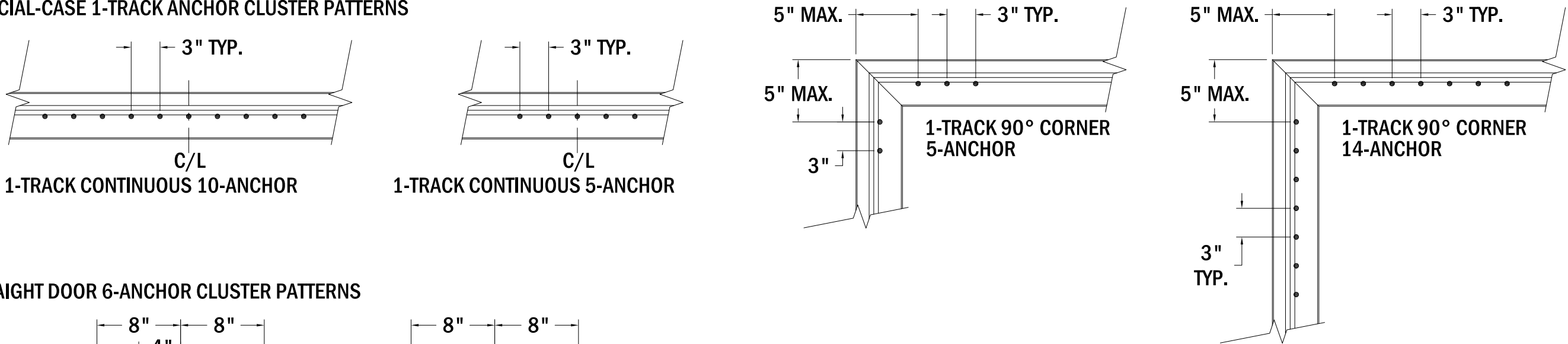
HEAD ANCHOR CLUSTERS: STANDARD HEAD ANCHORAGE IS ONE FASTENER PER TRACK PER ANCHOR LOCATION, WITH AN ANCHOR LOCATION AT CENTERLINE OF INTERLOCKS OR STRAIGHT ASTRAGALS (90° ASTRAGALS FIRST LOCATIONS ARE 5" EACH SIDE OF OUTSIDE CORNER) AND LOCATIONS 8" ON CENTER THEREAFTER. FOR STRAIGHT DOORS CREATE ANCHOR CLUSTERS BY ADDING ANCHOR LOCATIONS AT 4" MIDPOINTS BETWEEN STANDARD ANCHOR LOCATIONS ON EITHER SIDE OF INTERLOCK/ASTRAGAL CENTERLINE, UNTIL TOTAL NUMBER OF CLUSTER ANCHORS IS ACHIEVED AS INDICATED IN TABLE 2, SHEET 5, FOR DOOR SIZE AND DESIGN PRESSURE. FOR SPECIAL CASE OF ONE-TRACK CONTINUOUS FRAME AT STRAIGHT OR 90° ASTRAGALS, LOCATE ANCHORS 3" APART FROM FIRST ASTRAGAL ANCHOR UNTIL TOTAL NUMBER OF CLUSTER ANCHORS IS ACHIEVED AS INDICATED IN TABLE 2, SHEET 5, FOR DOOR SIZE AND DESIGN PRESSURE, AND THEN RETURN TO 8" ON-CENTER SPACING THEREAFTER. IF ANCHOR CLUSTER QUANTITY IS MET WITH STANDARD 8" O.C. ANCHOR SPACING, WHEN COUNTING THE ANCHORS AT THE INTERLOCK/ASTRAGAL AND THOSE AT THE FIRST LOCATION 8" ON EITHER SIDE OF THE INTERLOCK OR ASTRAGAL, THEN NO ADDITIONAL ANCHORS ARE NECESSARY. EXAMPLES PROVIDED BELOW FOR METHODS TO OBTAIN VARIOUS CLUSTER QUANTITIES BASED ON VARYING NUMBERS OF TRACKS. C/L INDICATES CENTERLINE OF INTERLOCK OR ASTRAGAL.

NOTE: THIS ANCHOR PATTERN IS STANDARD AT-CENTERLINE AND 8" O.C. THEREAFTER. ANY GREATER NUMBER OF TRACKS FOLLOWING STANDARD SPACING WILL HAVE MORE ANCHORS AND WILL THEREFORE COMPLY WITH WORST- CASE 11-ANCHOR CLUSTER PER TABLE 2, SHEET 5.

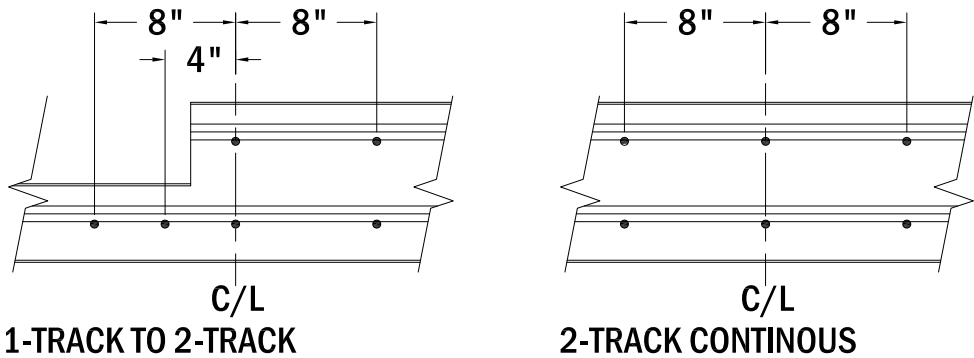
STRAIGHT DOOR 10-ANCHOR CLUSTER PATTERNS



SPECIAL-CASE 1-TRACK ANCHOR CLUSTER PATTERNS



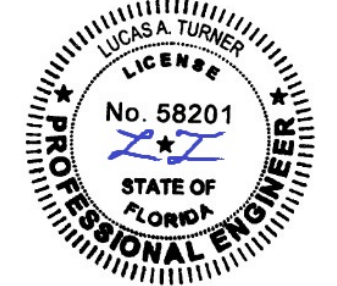
STRAIGHT DOOR 6-ANCHOR CLUSTER PATTERNS



NOTE: THIS ANCHOR PATTERN IS STANDARD AT-CENTERLINE AND 8" O.C. THEREAFTER.

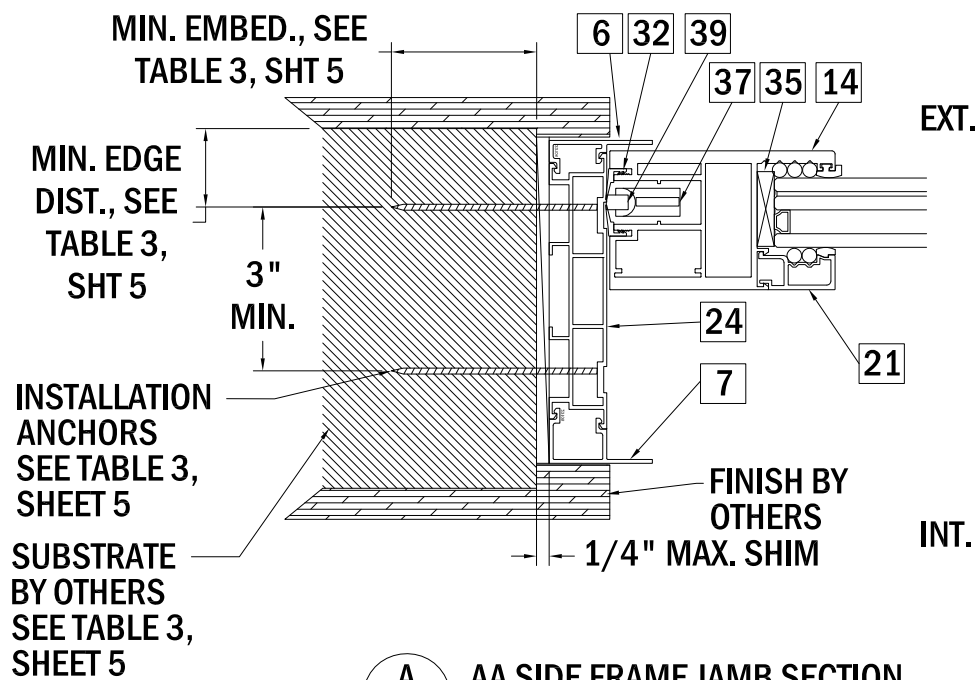
REVISIONS				IS14 90° LIFT & SLIDE DOOR LM IMPACT			
△	INITIAL RELEASE	DRAWING NO:	IS14-LS-FPA	SHEET:	07 OF 15	SCALE:	NTS
△	FBC 2020 UPDATE	SHEET DESCRIPTION:	HEAD ANCHOR PATTERNS		DRAWN BY:	LAT	DATE:
△							01.20.15

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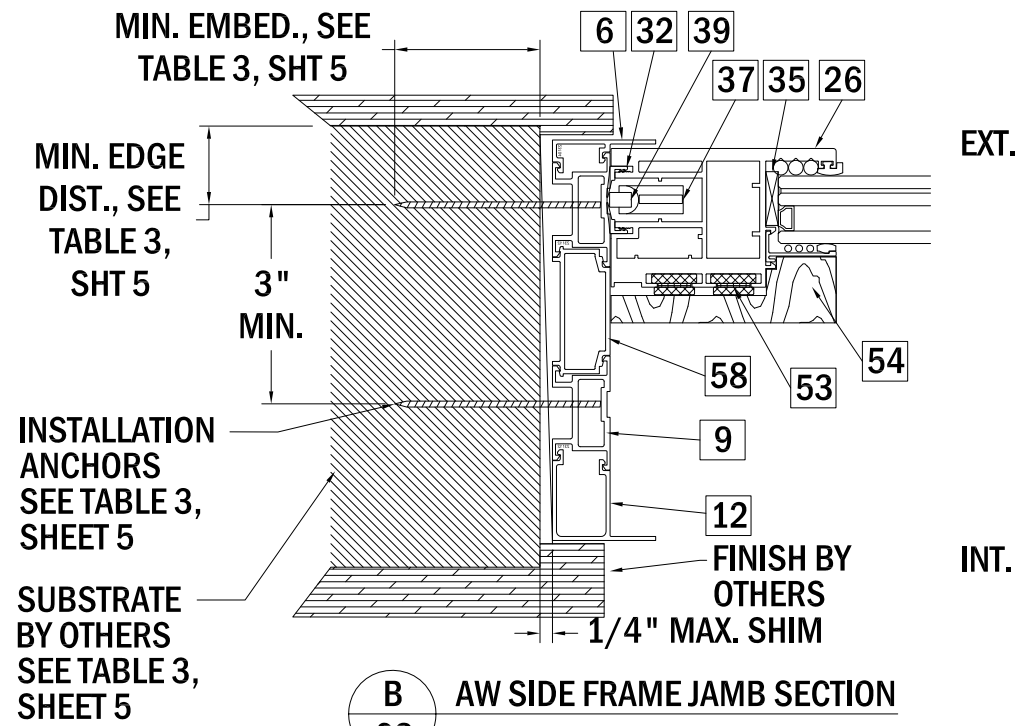


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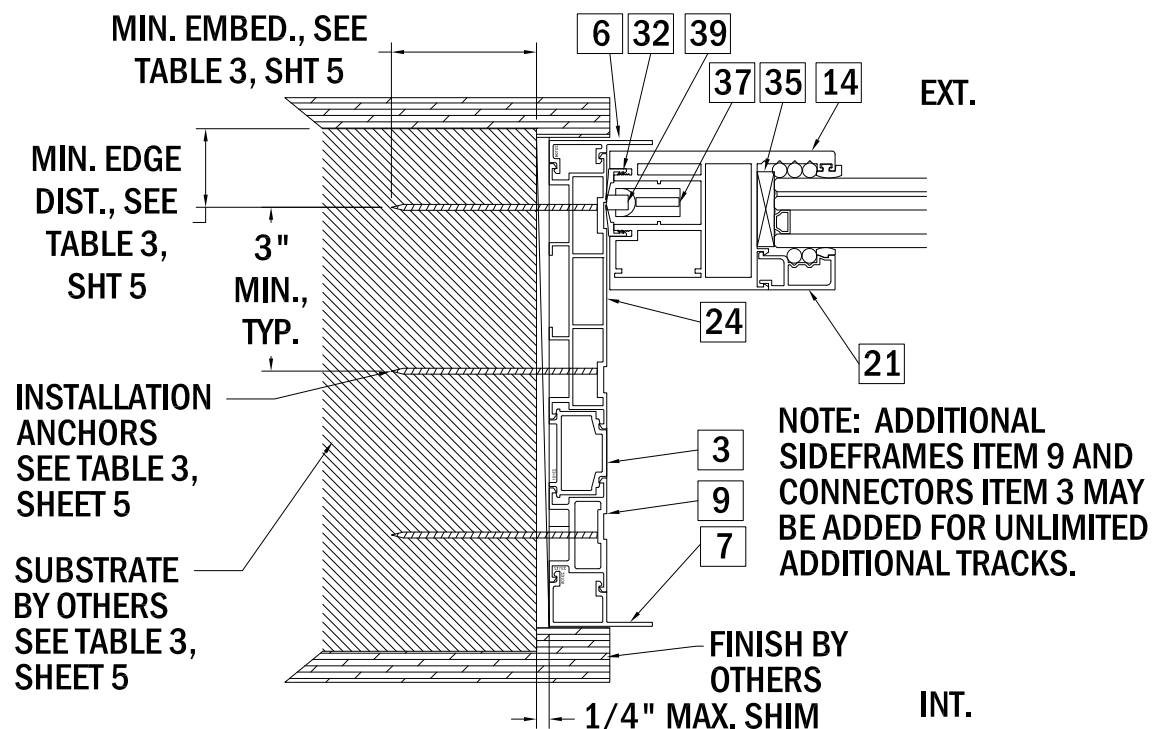
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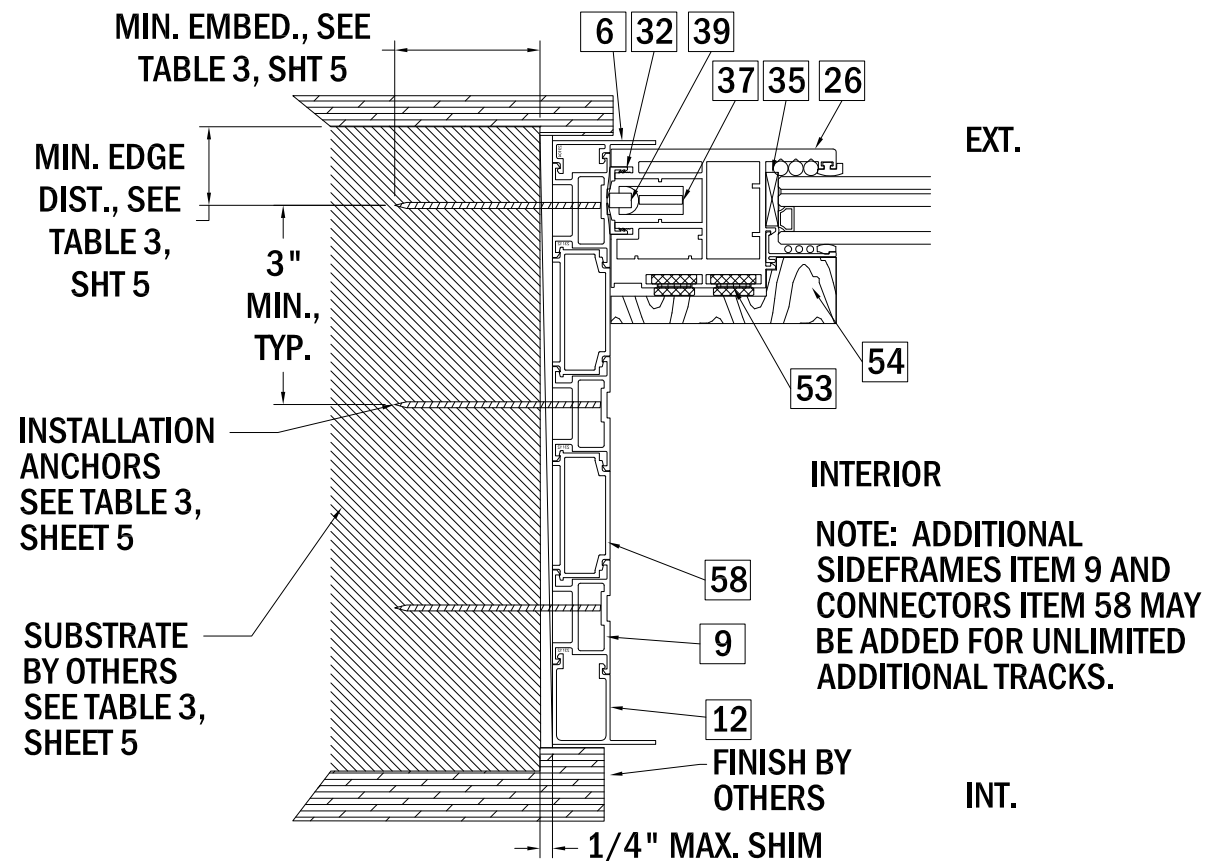
A
08 AA SIDE FRAME JAMB SECTION



B
08 AW SIDE FRAME JAMB SECTION



C
08 AA SIDE FRAME JAMB SECTION



D
08 AW SIDE FRAME JAMB SECTION

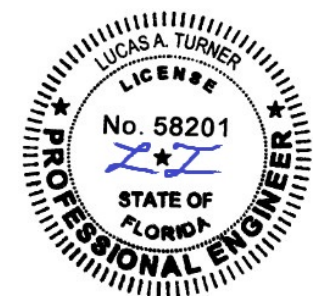
NOTE: DETAILS THIS SHEET SHOW I.G. GLAZINGS FOR REFERENCE PURPOSES; ALL GLAZING MAY BE EITHER SINGLE-PANE OR I.G. AS INDICATED IN GLAZING DETAILS ON SHEETS 3 AND 4.

REVISIONS	
△	INITIAL RELEASE
△	FBC 2020 UPDATE
△	

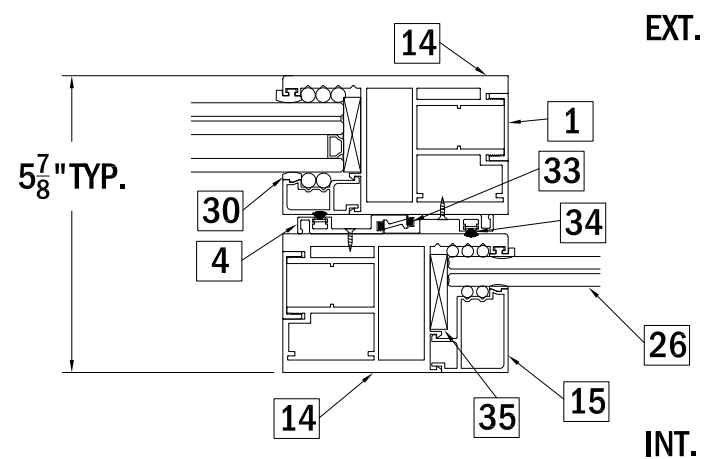
IS14 90° LIFT & SLIDE DOOR LM IMPACT			
DRAWING NO:	SHEET:	SCALE:	DRAWN BY:
IS14-LS-FPA	08 OF 15	NTS	LAT
SHEET DESCRIPTION:			DATE:
JAMB DETAILS			01.20.15

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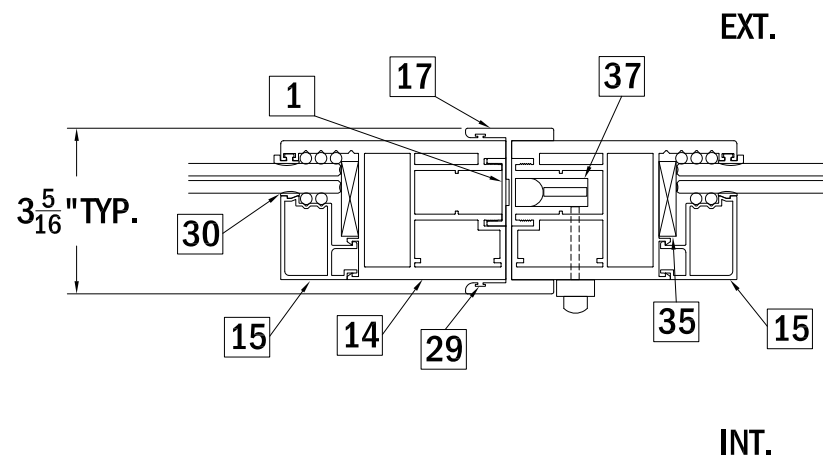
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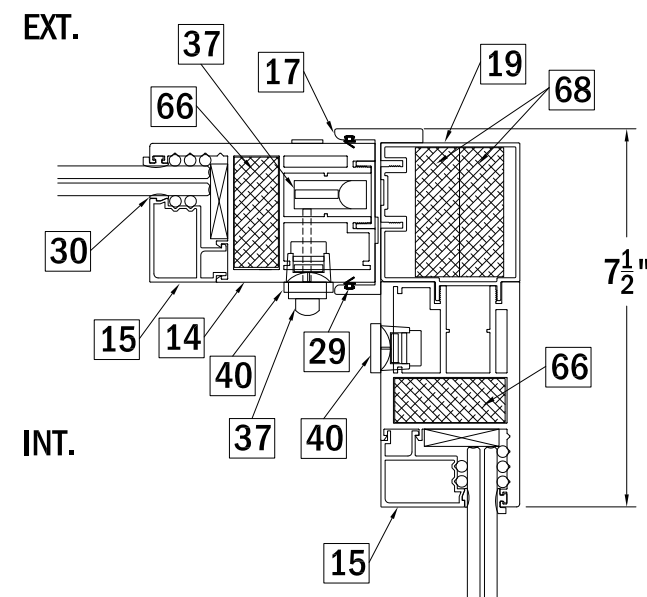
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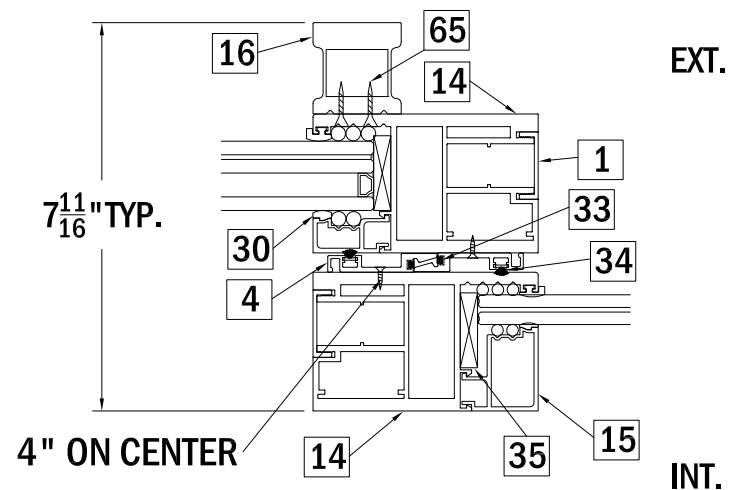
A
09 **STILE INTERLOCK SECTION (10' UNIT)**



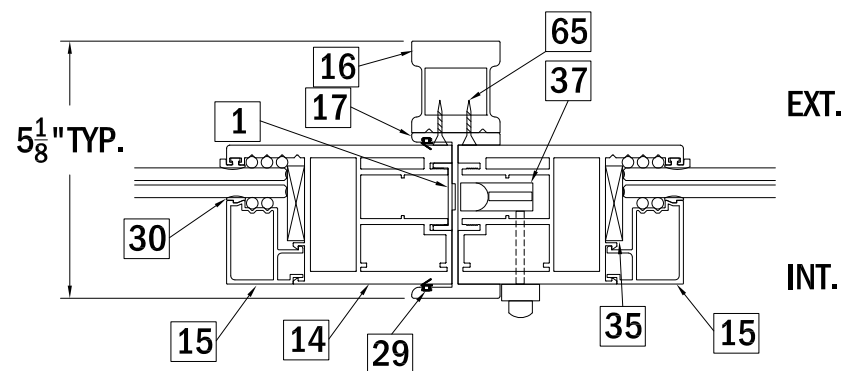
B
09 **DOOR BI-PART SECTION (10' UNIT)**



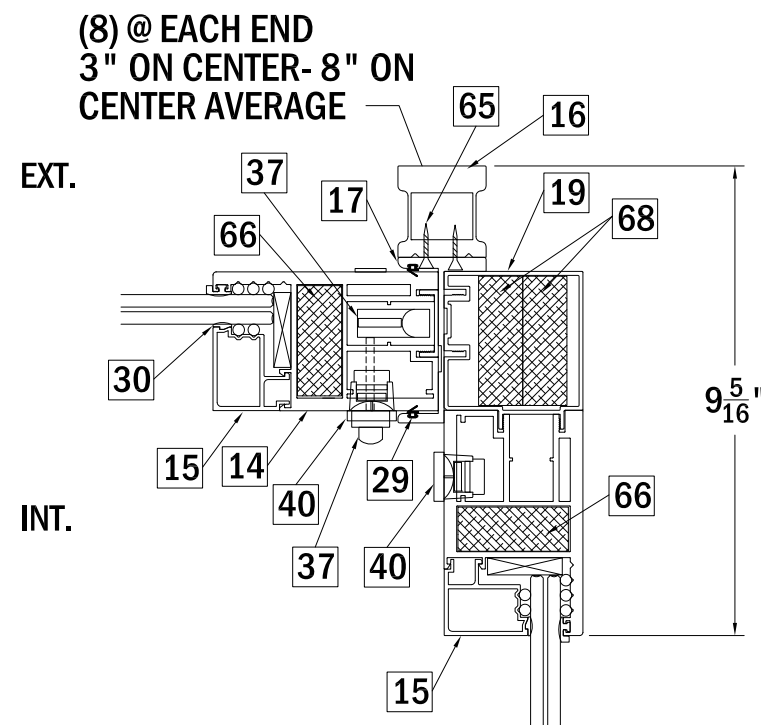
C
09 **90° CORNER SECTION (10' UNIT)**



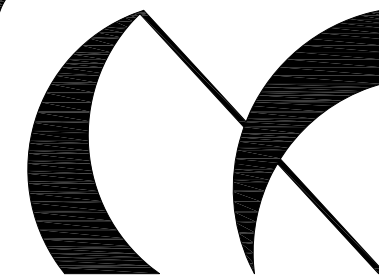
D
09 **STILE INTERLOCK SECTION (12' UNIT)**



E
09 **DOOR BI-PART SECTION (12' UNIT)**

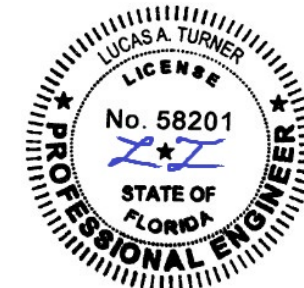


F
09 **90° CORNER SECTION (12' UNIT)**



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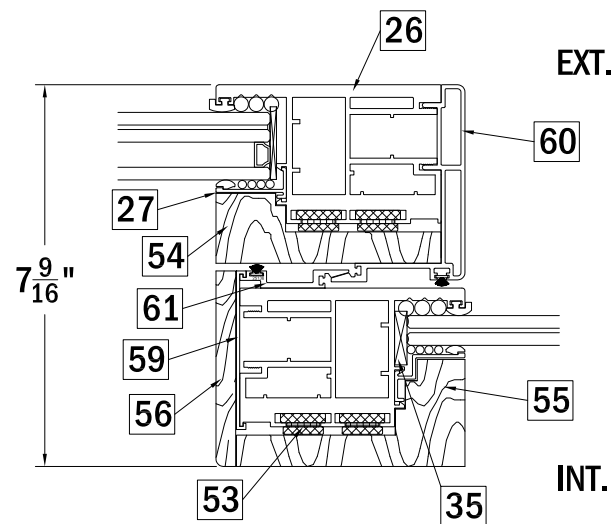
REVISIONS

△	INITIAL RELEASE
△	FBC 2020 UPDATE
△	

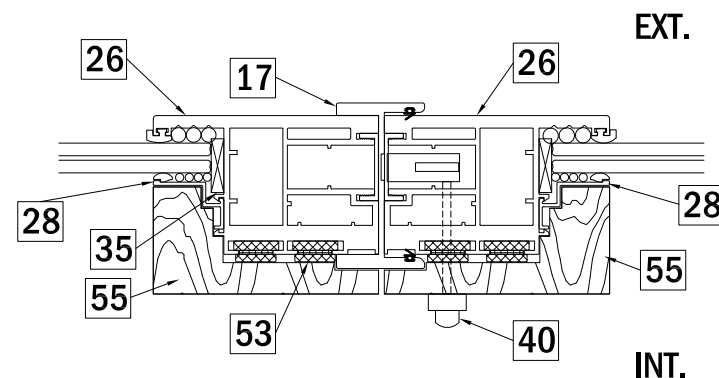
IS14 90° LIFT & SLIDE DOOR LM IMPACT

DRAWING NO:	SHEET:	SCALE:	DRAWN BY:
IS14-LS-FPA	09 OF 15	NTS	LAT
SHEET DESCRIPTION:	DATE:		
AA INTERLOCKS/ASTRAGALS	01.20.15		

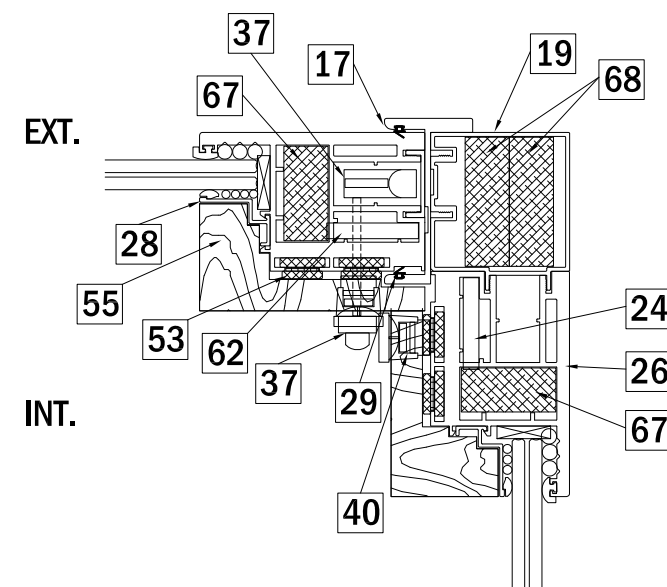
NOTE: DETAILS THIS SHEET SHOW VARIOUS GLAZINGS FOR REFERENCE PURPOSES; ALL GLAZING MAY BE EITHER SINGLE-PANE OR I.G. AS INDICATED IN GLAZING DETAILS ON SHEETS 3 AND 4.



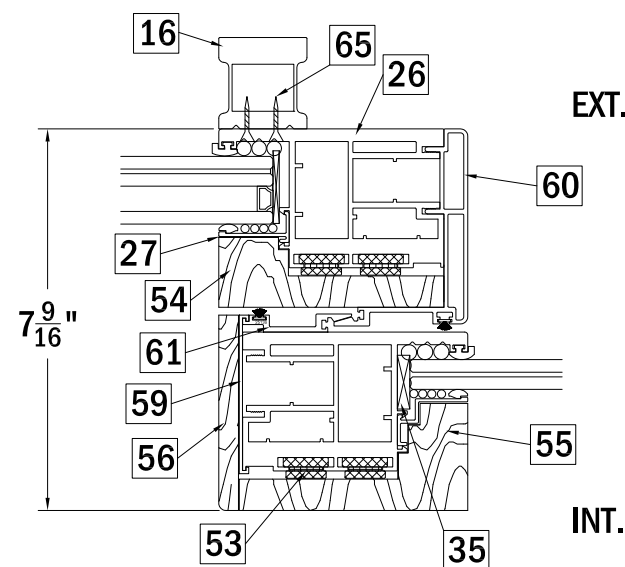
A
10
AW STILE INTERLOCK SECTION



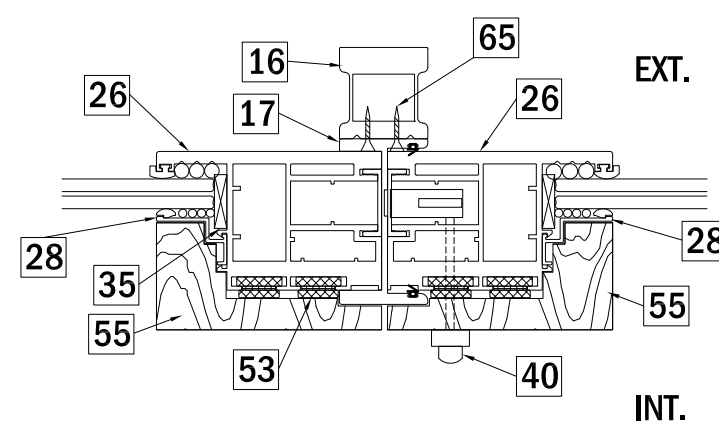
B
10
AW DOOR BI-PART SECTION



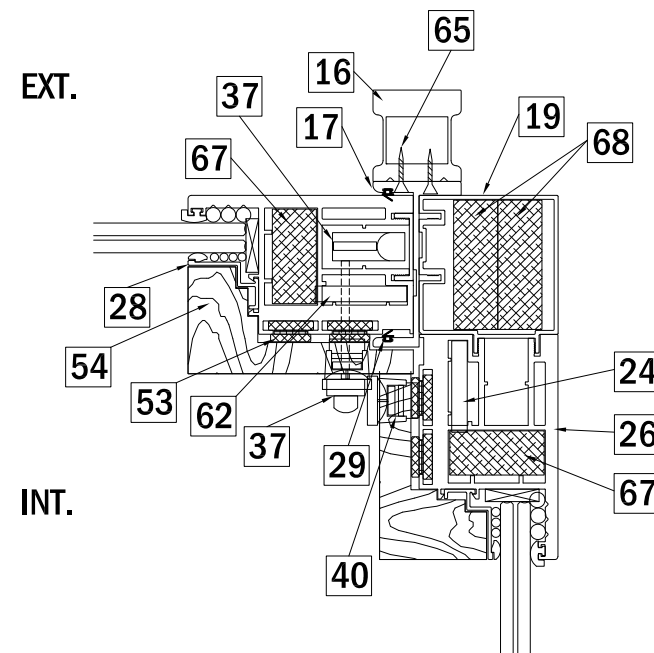
C
10
AW 90° CORNER SECTION



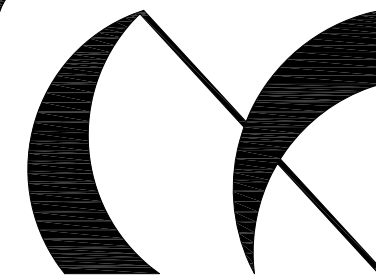
D
10
AW STILE INTERLOCK SECTION (12')



E
10
AW DOOR BI-PART SECTION (12')

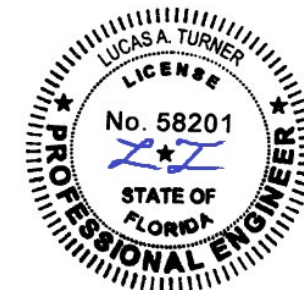


F
10
AW 90° CORNER SECTION (12')



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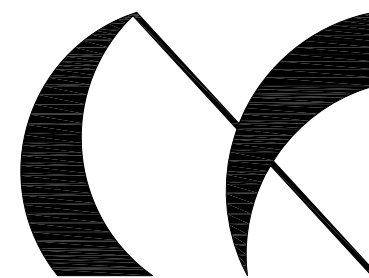
REVISIONS

△	INITIAL RELEASE
△	FBC 2020 UPDATE
△	

IS14 90° LIFT & SLIDE DOOR LM IMPACT

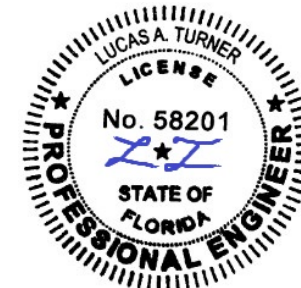
DRAWING NO:	SHEET:	SCALE:	DRAWN BY:
IS14-LS-FPA	10 OF 15	NTS	LAT
SHEET DESCRIPTION:			DATE:
AW INTERLOCKS/ASTRAGALS			01.20.15

NOTE: DETAILS THIS SHEET SHOW VARIOUS GLAZINGS FOR REFERENCE PURPOSES; ALL GLAZING MAY BE EITHER SINGLE-PANE OR I.G. AS INDICATED IN GLAZING DETAILS ON SHEETS 3 AND 4.

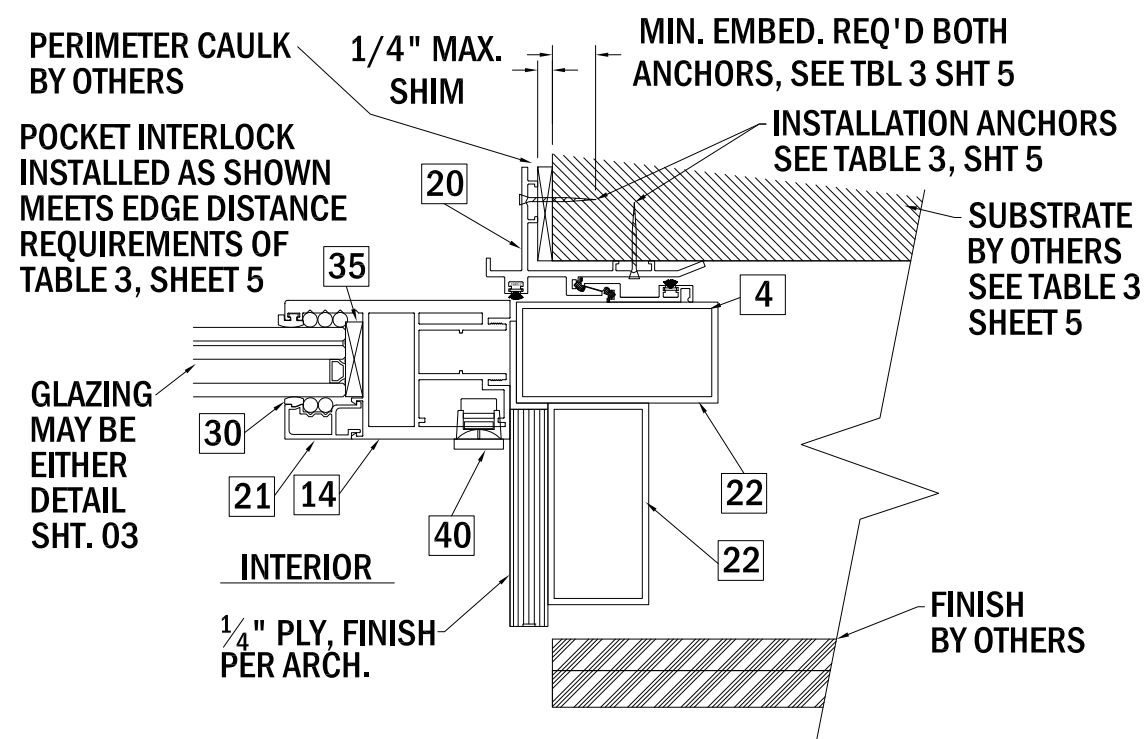


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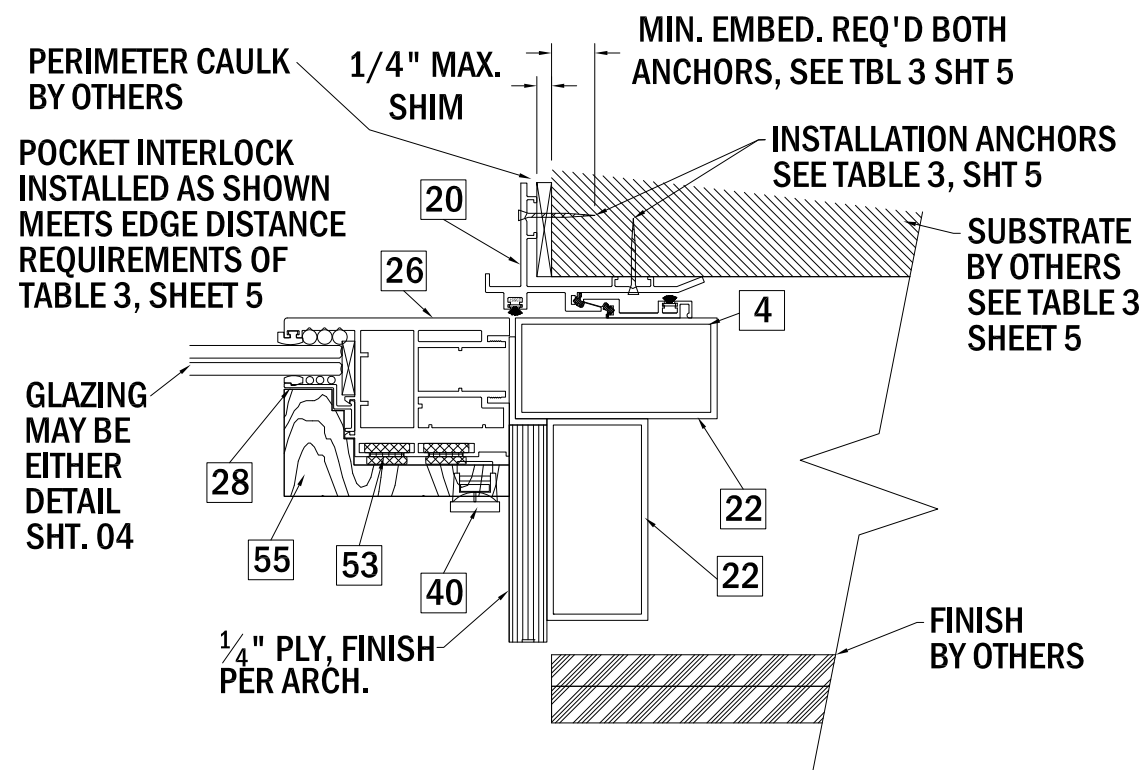
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A
11 POCKET INTERLOCK SECTION



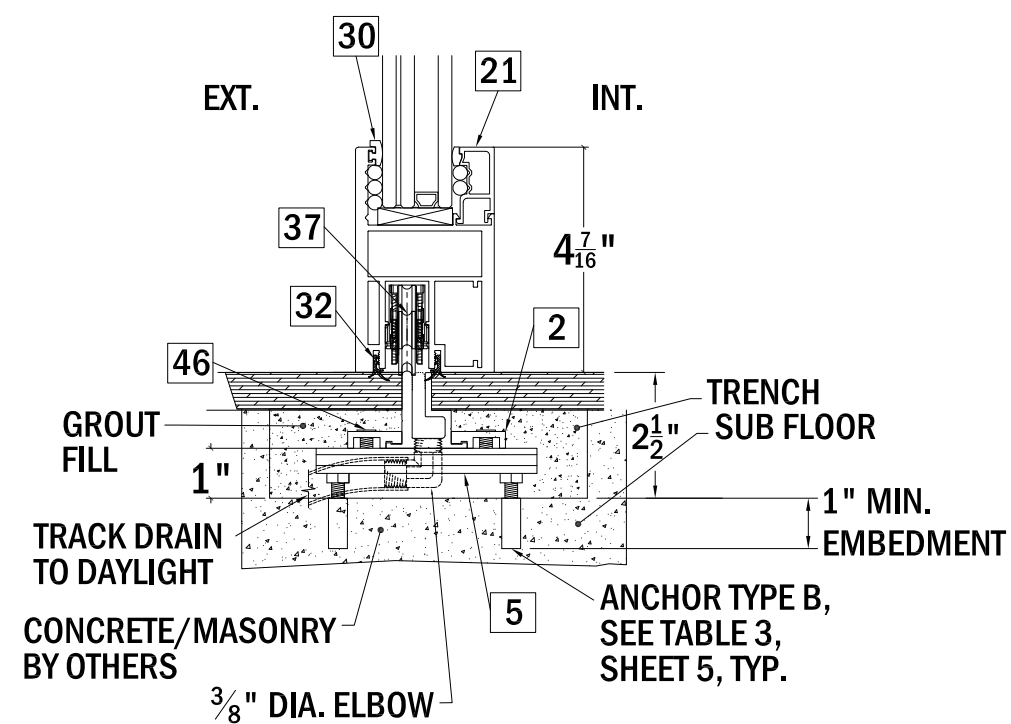
B
11 AW POCKET INTERLOCK SECTION

REVISIONS

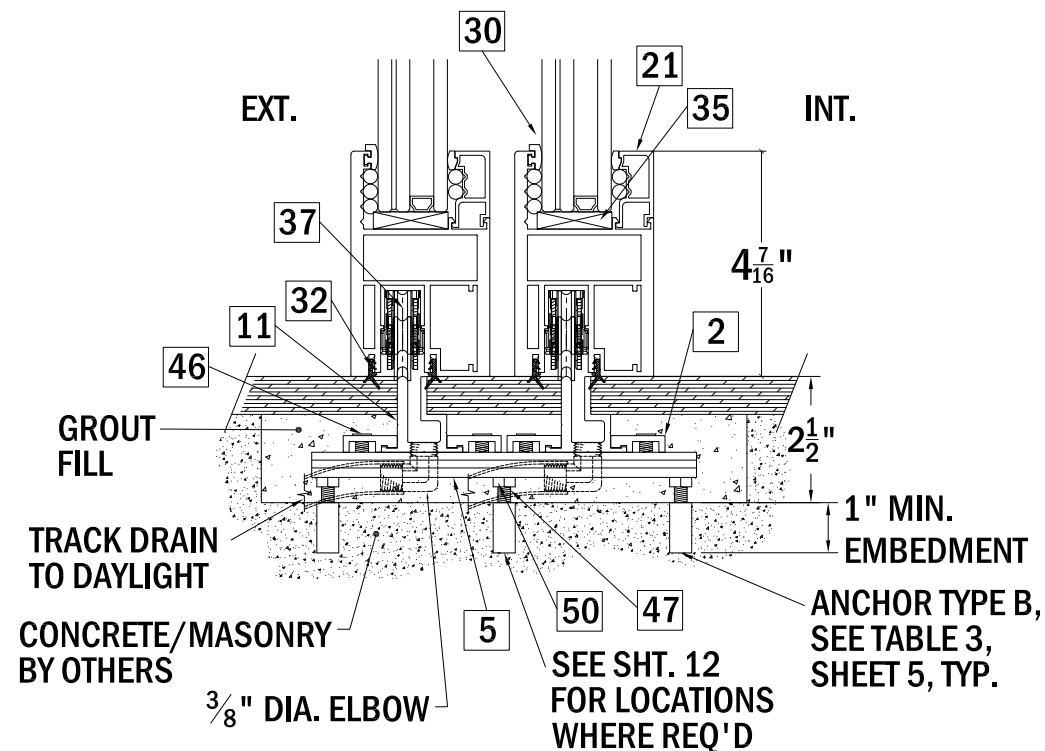
	INITIAL RELEASE
	FBC 2020 UPDATE

IS14 90° LIFT & SLIDE DOOR LM IMPACT

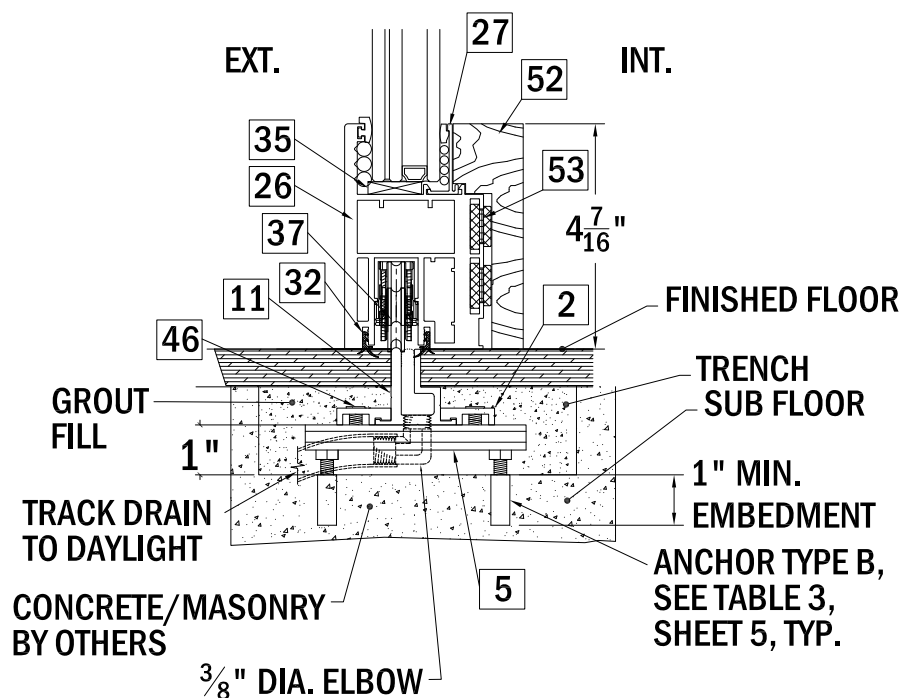
DRAWING NO:	SHEET:	SCALE:	DRAWN BY:
IS14-LS-FPA	11 OF 15	NTS	LAT
SHEET DESCRIPTION:			DATE:
POCKET INTERLOCK DETAILS			01.20.15



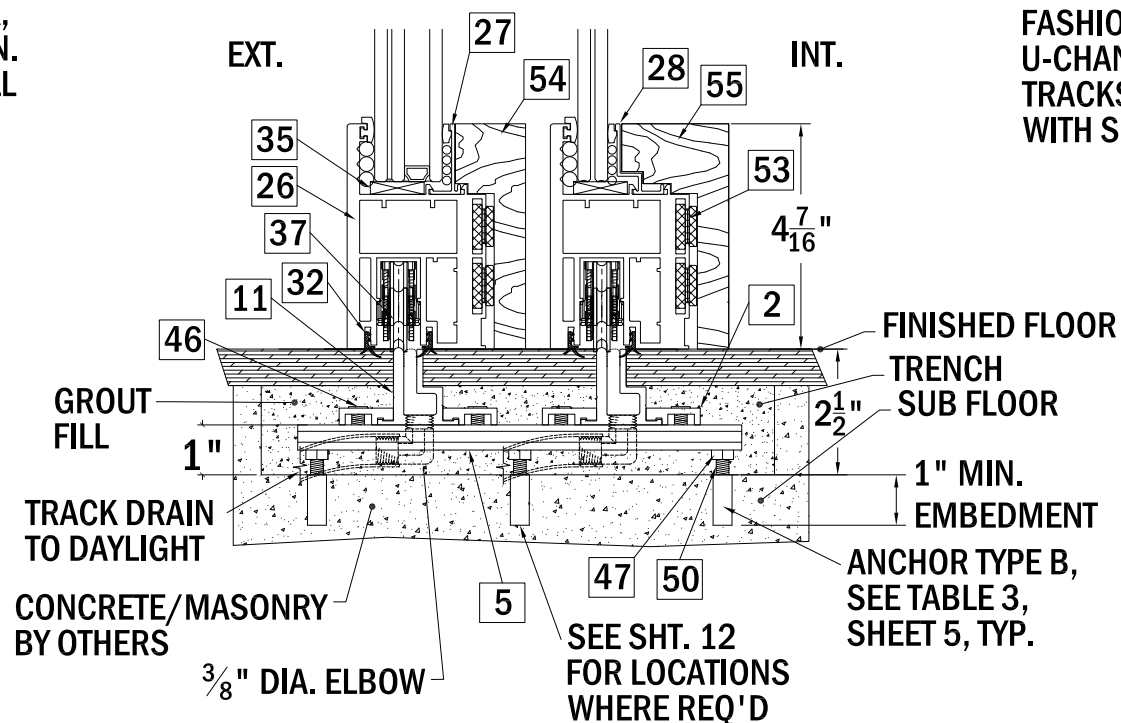
A
12 AA BOTTOM TRACK SECTION



B
12 BOTTOM TRACK SECTION



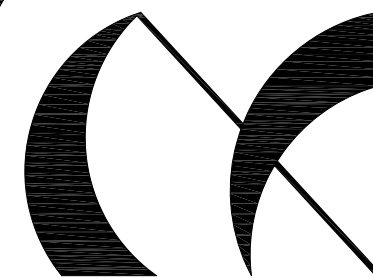
C
12 AW BOTTOM TRACK SECTION



D
12 AW BOTTOM TRACK SECTION

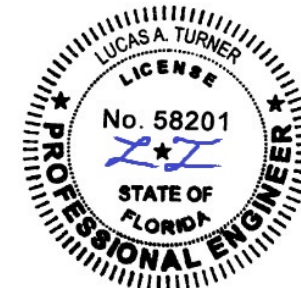
NOTE: GROUT FILL INDICATES NON-SHRINK, NON-METALLIC 5KSI MIN. CONTINUOUS GROUT FILL BY OTHERS

NOTE: UNLIMITED ADDITIONAL TRACKS MAY BE ADDED IN SIMILAR FASHION; LENGTHEN U-CHANNEL (5), AND ADD TRACKS (11) AND CLIPS (2) WITH SCREWS (46).



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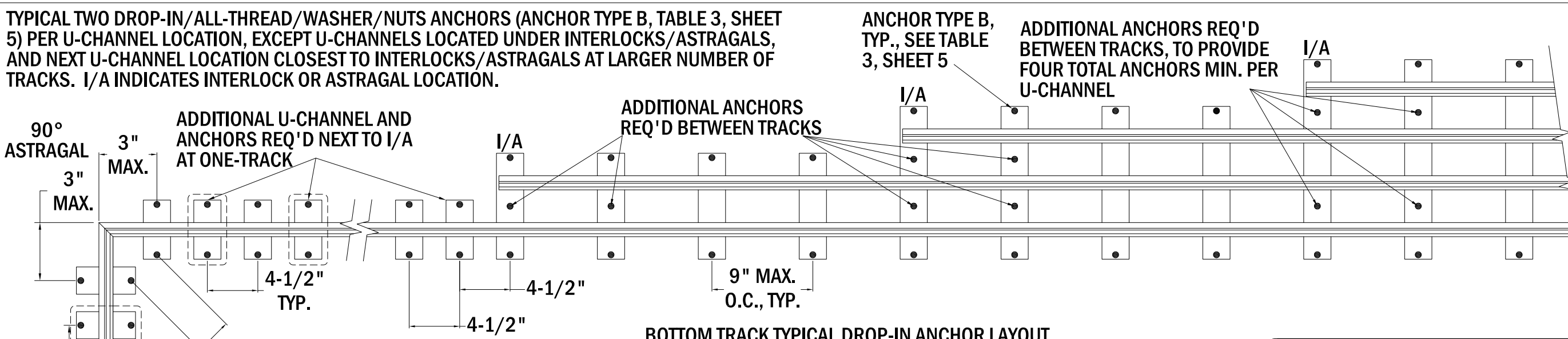
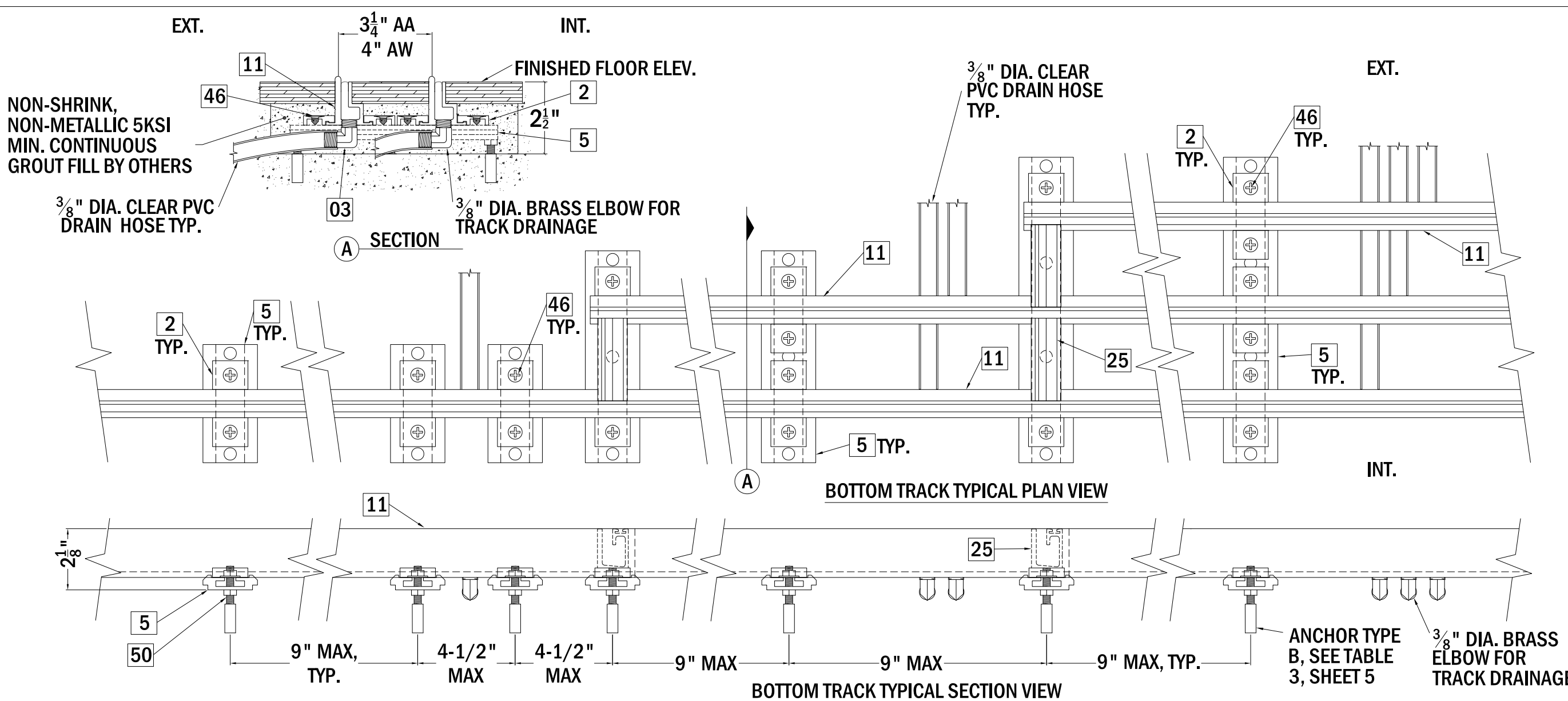
REVISIONS

△	INITIAL RELEASE
△	FBC 2020 UPDATE
△	

IS14 90° LIFT & SLIDE DOOR LM IMPACT

DRAWING NO:	SHEET:	SCALE:	DRAWN BY:
IS14-LS-FPA	12 OF 15	NTS	LAT
SHEET DESCRIPTION:	DATE:		
SILL DETAILS	01.20.15		

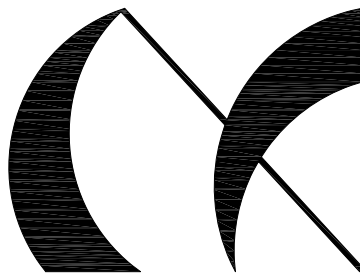
NOTE: DETAILS THIS SHEET SHOW VARIOUS GLAZINGS FOR REFERENCE PURPOSES; ALL GLAZING MAY BE EITHER SINGLE-PANE OR I.G. AS INDICATED IN GLAZING DETAILS ON SHEETS 3 AND 4.



NOTE: CIRCLED LOCATIONS ABOVE MAY BE OMITTED FOR DOORS OF ANY SIZE WITH DESIGN PRESSURES OF 50 PSF AND UNDER, OR FOR DOORS OF ANY DESIGN PRESSURE WITH PANELS 4'X8' NOMINAL AND UNDER.

REVISIONS	
△	INITIAL RELEASE
△	FBC 2020 UPDATE
△	

IS14 90° LIFT & SLIDE DOOR LM IMPACT			
DRAWING NO:	SHEET:	SCALE:	DRAWN BY:
IS14-LS-FPA	13 OF 15	NTS	LAT
SHEET DESCRIPTION:			DATE:
TRACK LAYOUTS			01.20.15

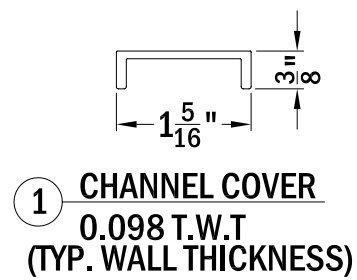


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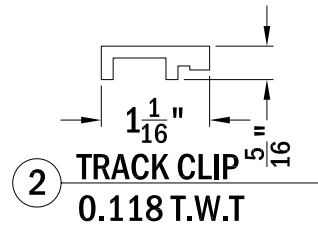
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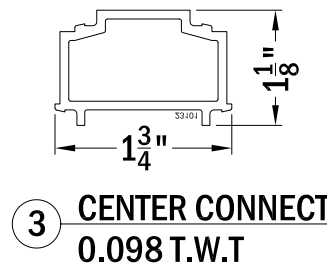
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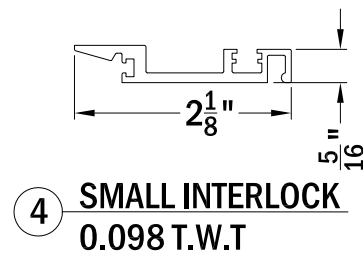
1 CHANNEL COVER
0.098 T.W.T
(TYP. WALL THICKNESS)



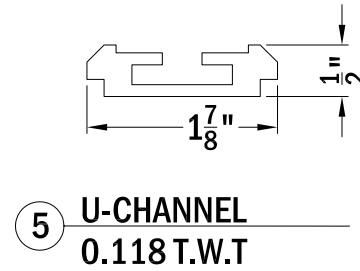
2 TRACK CLIP
0.118 T.W.T



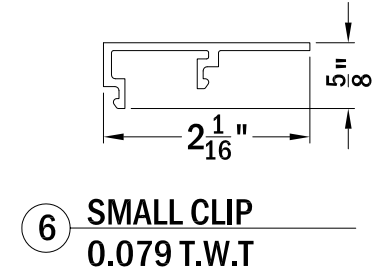
3 CENTER CONNECT
0.098 T.W.T



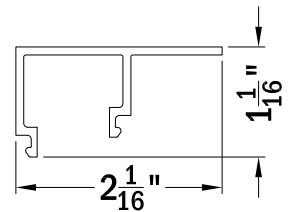
4 SMALL INTERLOCK
0.098 T.W.T



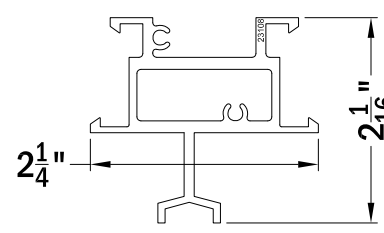
5 U-CHANNEL
0.118 T.W.T



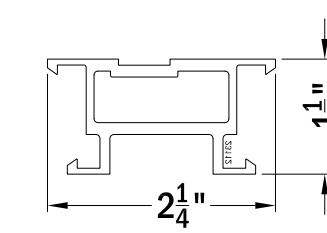
6 SMALL CLIP
0.079 T.W.T



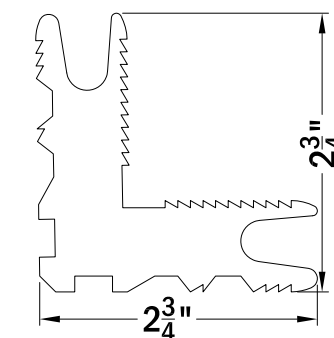
7 BIG CLIP
0.079 T.W.T



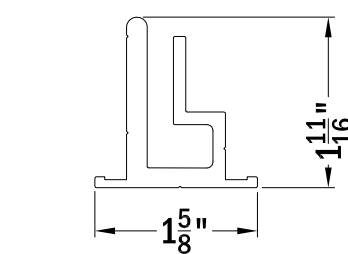
8 Y-HEADER
0.098 T.W.T



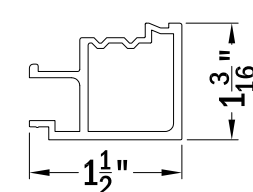
9 SIDE FRAME
0.098 T.W.T



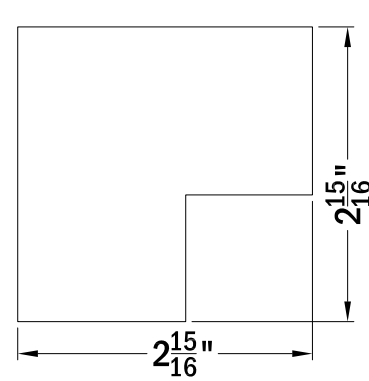
10 KEY CORNER
0.906 T.W.T



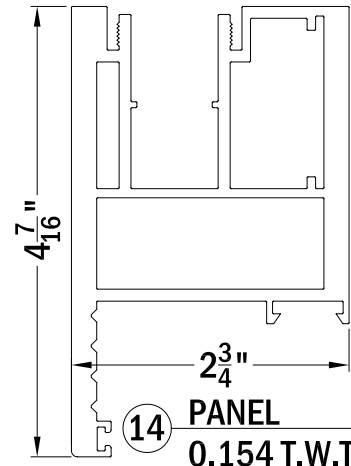
11 TRACK
0.162 T.W.T



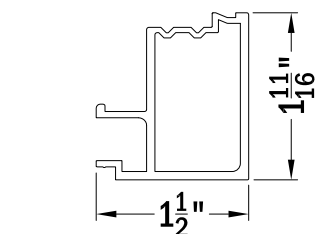
12 GLAZING CLIP 1
0.0825 T.W.T



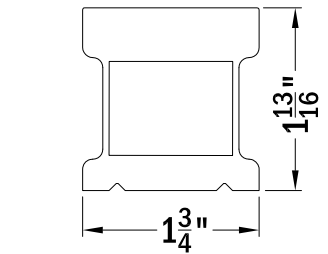
13 FLAT KEY CORNER
0.062 T.W.T



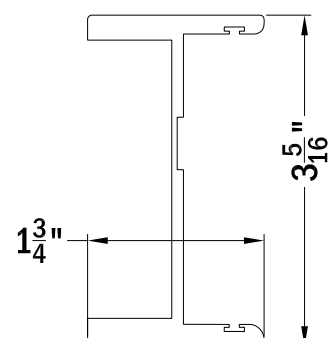
14 PANEL
0.154 T.W.T



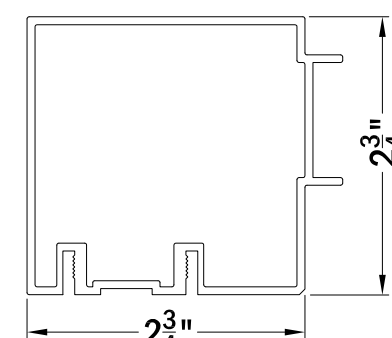
15 GLAZING CLIP 2
0.0825 T.W.T



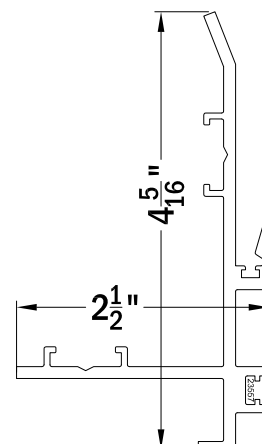
16 PANEL STIFFENER
0.301 T.W.T



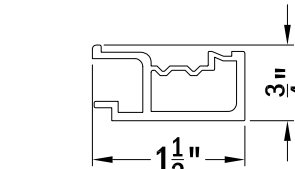
17 ASTRAGAL
0.184 T.W.T



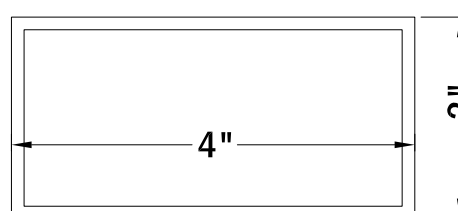
19 90° CORNER
0.0789 T.W.T



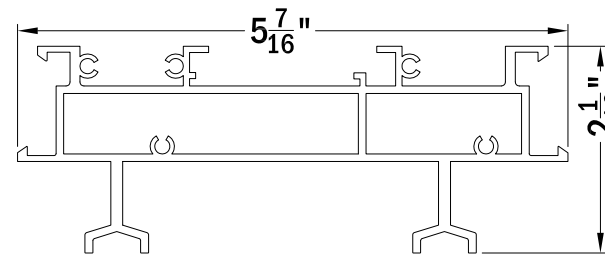
20 POCKET INTERLOCK
0.110 T.W.T



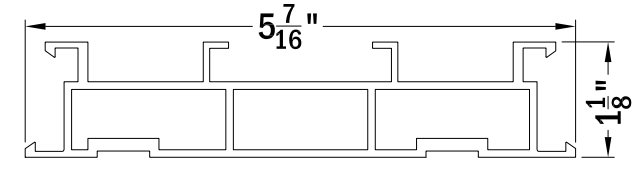
21 GLAZING CLIP 2
0.0825 T.W.T



22 POCKER FILLER
0.0825 T.W.T

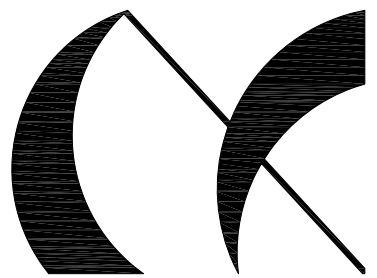


23 DOUBLE Y-DEADER
0.0750 T.W.T



24 DOUBLE SIDE FRAME
0.0750 T.W.T

REVISIONS				IS14 90° LIFT & SLIDE DOOR LM IMPACT			
△	INITIAL RELEASE	DRAWING NO:	IS14-LS-FPA	SHEET:	14 OF 15	SCALE:	NTS
△	FBC 2020 UPDATE	SHEET DESCRIPTION:	PART DRAWINGS	DRAWN BY:	LAT	DATE:	01.20.15



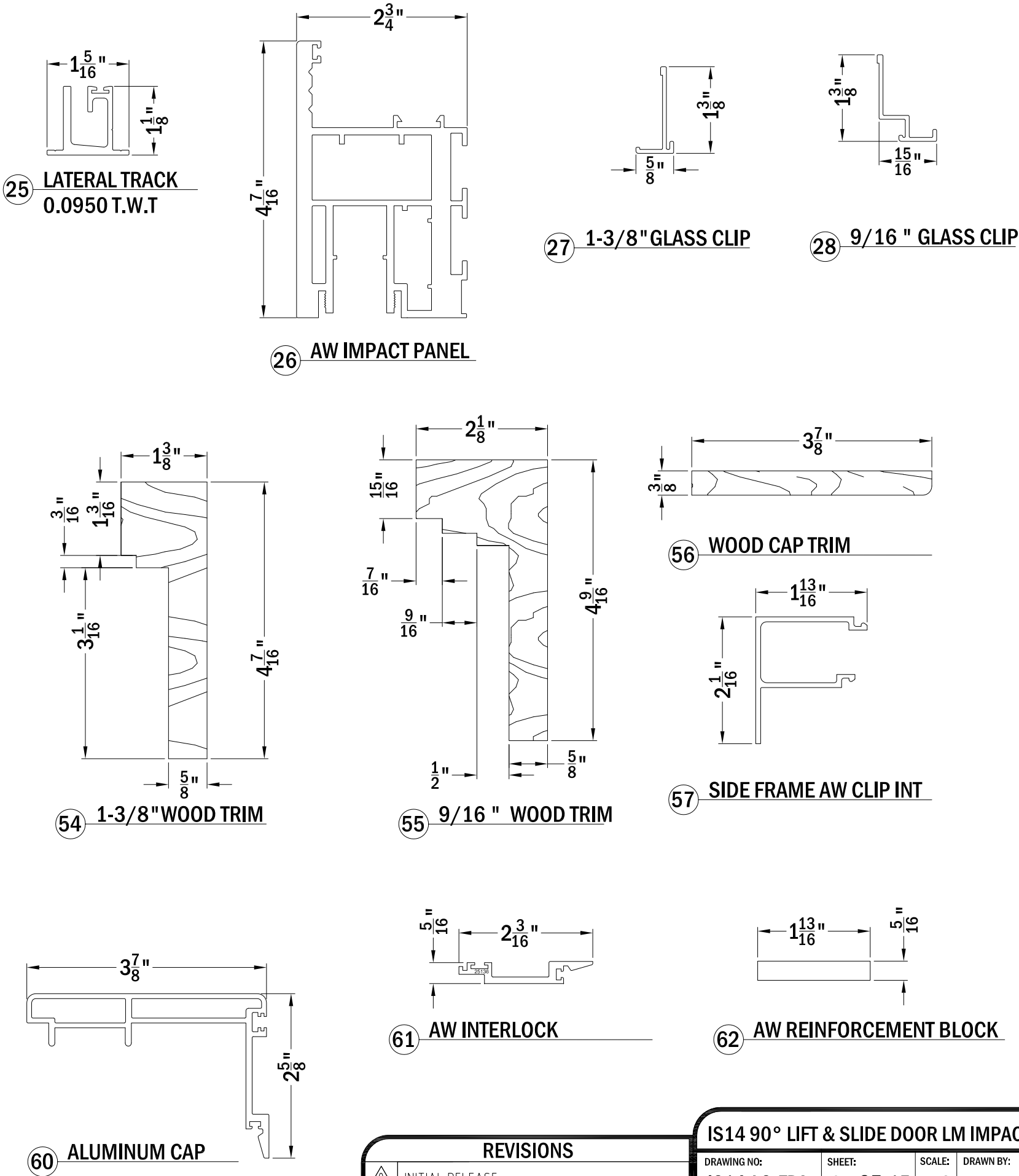
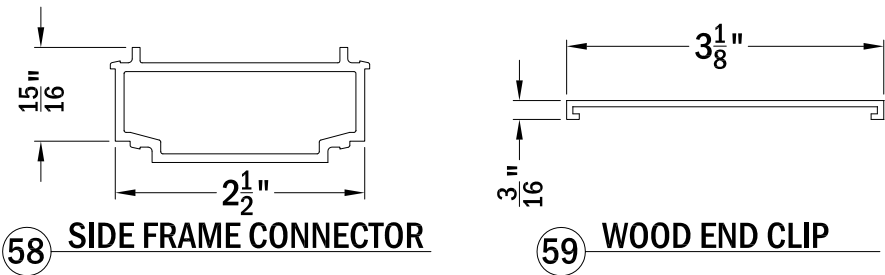
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12/21/2020
LUCAS TURNER
FL PE 58201
TURNER ENGINEERING &
CONSULTING, INC.,
FBPE COA 29779
2428 OLD NATCHEZ TRACE TRL.
CAMDEN, TN, 38320
PH 941-380-1574

ITEM #	PART #	DESCRIPTION	MANUFACTURER
01	FU10296	CHANNEL COVER, 6063-T5	FUTURA
02	INT23099	TRACK CLIP, 6063-T5	IEC
03	SV9216	CENTER CONNECT, 6063-T5	SUN VALLEY
04	INT23103	SMALL INTERLOCK, 6063-T5	IEC
05	INT23102	U CHANNEL, 6063-T5	IEC
06	INT23104	SMALL CLIP, 6063-T5	IEC
07	SV9521	BIG CLIP, 6063-T5	SUN VALLEY
08	INT23108	Y-HEADER, 6063-T5	IEC
09	FU10910	SIDE FRAME, 6063-T5	FUTURA
10	FU10238	CRIMP CORNER, 6063-T5	FUTURA
11	SV9215	TRACK, 6063-T5	SUN VALLEY
12	FU10748	GLAZING CLIP 1", 6063-T6	FUTURA
13	PA-0001	FLAT KEY CORNER	PWD
14	FU10751	A/A PANEL,6063-T6	FUTURA
15	FU10749	GLAZING CLIP 1/2", 6063-T6	FUTURA
16	FU10750	STILE SIFFENER, 6063-T6	FUTURA
17	FU10752	ASTRAGAL, 6063-T6	FUTURA
18	FU10344	REINFORCEMENT, 6063-T5	FUTURA
19	INT23622	90 DEGREE CORNER, 6063-T5	IEC
20	FU10633	POCKET INTERLOCK, 6063-T5	FUTURA
21	FU1075X	GLAZING CLIP 1-3/8", 6063-T6	FUTURA
22	INT15598	POCKET FILLER, 6063-T5	IEC
23	INT24722	DOUBLE Y-HEADER, 6063-T5	IEC
24	INT24814	DOUBLE SIDEFRAME, 6063-T5	IEC
25	INT25253	LATERAL TRACK, 6063-T5	IEC
26	SV1111	AW IMPACT PANEL	SUN VALLEY
27	SV1112	1-3/8" GLASS CLIP	SUN VALLEY
28	SV1113	0.59 GLASS CLIP	SUN VALLEY
29	GASKET	5034VIP	VIP
30	552	SEALANT - BLACK	SIKAFLEX
31	4813	TOP CLIP	VIP-EPDM BLEND
32	4812	VGASKET	VIP-EPDM BLEND
33	4926	INTERLOCK GASKET	VIP-EPDM BLEND
34	3845	FELT BRUSH 0065BKWP	AMSBURY
35	SBEP	SETTING BLOCKS	CRL-EPDM
36	RB602	BARROL SHIM	CRL
37	G.U.-934	L & S HARDWARE	FASCO/ SIEGENIA
38	9-29526	FLUSH PULL	FASCO
39	K-10563	LOCKING BOLT	FASCO
40	PA-0003	PANEL LATCH	FASCO/ SIEGENIA
41	316-018080	#10X2-1/2"FH PH WS	FASCO
42	316-015048	#10X3/4"FH PH SW	FASCO
43	316-018096	#10X3"FH PH WS	FASCO
44	316-015048	#8X1-1/2"FH PH WS	FASCO
45	316-015024	#8X3/4"FH PH WS	FASCO
46	263-025024	3/4"1/4"-20FH PH WS	FASCO
47	194-025000	1/4"-20 NUT	FASCO
48	220-018018	1/4" FLAT WASHER	FASCO
50	180154-001	4"X1/4"-20 ALLTHREAD	FASCO
51	TWN005	1/4"X20 WELDING NUT	FASCO
52	AB116AM-C	3/8" x 3/8" (SAE) BRASS ELBOW	ANDERSON
53	----	WOOD CLIP	----
54	WOOD	1-3/8" WOOD TRIM (MIN. G = 0.55)	PANDA
55	WOOD	0.59" WOOD TRIM (MIN. G = 0.55)	PANDA
56	WOOD	WOOD CAP (MIN. G = 0.55)	PANDA
57	FU10735	SIDE FRAME AW CLIP INTERIOR	FUTURA
58	FU10739	SIDE FRAME CONNECTOR	FUTURA
59	SV1114	WOOD END CLIP	SUN VALLEY
60	SV1115	ALUMINUM CAP/INTERLOCK EXT	SUN VALLEY
61	INT25136	AW INTERLOCK	INTERNATIONAL
62	SV1116	AW REINFORCEMENT BLOCK	SUN VALLEY
63	VIP4351	EXTERIOR GLAZING GASKET	VIP - EPDM BLEND
64	PIN4961	INTERIOR GLAZING GASKET	VIP - EPDM BLEND
65	505-033	5/16"-18X3/4"FH PH WS	FASCO
66	----	7/8"X2-3/16" ALUM BAR 6063-T5	PANDA
67	----	7/8"X1-7/8" ALUM BAR 6063-T5	PANDA
68	----	7/8"X2-9/16" ALUM BAR 6063-T5	PANDA



REVISIONS				IS14 90° LIFT & SLIDE DOOR LM IMPACT			
△	INITIAL RELEASE	DRAWING NO:	IS14-LS-FPA	SHEET:	15 OF 15	SCALE:	NTS
△	FBC 2020 UPDATE	SHEET DESCRIPTION:	BOM, PART DRAWINGS		DATE:	01.20.15	
△							

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LUCAS A. TURNER
LICENSE
No. 58201
STATE OF FLORIDA
PROFESSIONAL ENGINEER

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