

PLY GEM WINDOWS *PERSPECTIVE Multi-Slide Patio Door (IMPACT)*

NOTES:

- THIS INSTALLATION HAS BEEN EVALUATED FOR USE IN LOCATIONS ADHERING TO THE FLORIDA BUILDING CODE OUTSIDE THE HVHZ, AND WHERE PRESSURE REQUIREMENTS AS DETERMINED BY ASCE 7 MINIMUM DESIGN LOADS FOR BUILDINGS AND OTHER STRUCTURES DO NOT EXCEED THE DESIGN PRESSURE RATINGS HEREIN.
- THIS PRODUCT IS MISSILE LEVEL D, WIND ZONE 3 IMPACT RESISTANT. WHEN USED IN WIND ZONE 3 OR BELOW AREAS, THIS PRODUCT DOES NOT REQUIRE THE USE OF APPROVED IMPACT PROTECTIVE DEVICES (SHUTTERS).
- ANCHOR TYPE, SIZE, SPACING, EMBEDMENT, AND EDGE DISTANCE SHALL BE AS SPECIFIED IN THESE DRAWINGS. USE APPROPRIATE ANCHORAGE FROM TABLE 1 AND TABLE 2 ACCORDING TO SUBSTRATE TYPE. A MINIMUM CENTER-TO-CENTER SPACING SHALL BE MAINTAINED BETWEEN ALL INSTALLATION FASTENERS IN ANY DIRECTION.
- ANCHOR EMBEDMENT TO SUBSTRATE SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR MASONRY OPENINGS WITH WOOD BUCKS LESS THAN 1-1/2" THICK, EMBEDMENT SHALL BE BEYOND WOOD BUCKS, IF USED, AND INTO MASONRY SUBSTRATE. WOOD BUCKS WITH MASONRY ARE OPTIONAL.
- WOOD, METAL, OR MASONRY OPENINGS, BUCKS, AND BUCK FASTENERS, BY OTHERS, SHALL BE PROPERLY DESIGNED AND INSTALLED BY OTHERS TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVED THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR AUTHORITY HAVING JURISDICTION (AHJ).
- IT IS THE RESPONSIBILITY OF THE ARCHITECT OR ENGINEER OF RECORD OR AS APPROVED BY THE AHJ TO SELECT PLY GEM PRODUCTS TO MEET ALL APPLICABLE LOCAL LAWS, BUILDING CODES, ORDINANCES, OR OTHER SAFETY REQUIREMENTS FOR EACH INSTALLATION.
- SHIMS ARE REQUIRED WHERE GAPS OF GREATER THAN 1/16" EXIST BETWEEN OPENING AND FRAME. MAX. SHIM STACK IS 1/4". SHIMS SHALL BE LOAD-BEARING AND CAPABLE OF TRANSFERRING LOADS TO THE SUBSTRATE.
- SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION RESISTANCE OF THE INSTALLED PRODUCT SHALL BE THE RESPONSIBILITY OF OTHERS USING ASTM E 2112 AND IS NOT ADDRESSED BY THIS DOCUMENT.
- INSTALLED GLAZING SHALL COMPLY WITH ASTM E 1300.
- ALL FASTENERS PENETRATING INTO PRESSURE TREATED WOOD SHALL BE CAPABLE OF PREVENTING CORROSION DUE TO REACTION WITH PRESSURE TREATMENT CHEMICALS. ANY DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE PROTECTED TO PREVENT REACTIONS IN ACCORDANCE WITH CODE REQUIREMENTS.
- A WIND LOAD DURATION FACTOR $C_d = 1.6$ WAS USED FOR THE ANALYSIS OF WOOD SCREWS ONLY.
- PRODUCTS SHALL BE CONSTRUCTED AS SPECIFIED IN TEST REPORTS I1835.06/10/11/12/13/14/15/17/18/19/22-106-II-R0, I1835.02/16-106-II-RI, I1835.05/07-106-II-R2 AND I1835.03-106-I2-RI BY MOLIMO ARCHITECTURAL PRODUCT TESTING.
- POCKET WALL/CAVITY IS NOT PART OF THIS APPROVAL AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION (AHJ).
- USE A BACKER ROD ON ALL JOINTS $>3/4"$ DEEP AND/OR WIDER THAN $1/4"$. FINISHED CAULK JOINT SHOULD BE A MINIMUM OF $3/8"$ DEEP.

SIZE CHART					
OVERALL FRAME MAX. SIZE		PERFORMANCE RATING	DESIGN PRESSURE	MIN. SILL RISER	INSTALLATION METHOD
WIDTH	HEIGHT				
353"	96"	LC-PG50	+50/-50 PSF	1-3/4"	NAIL FIN OR THROUGH FRAME
281"	120"		+50/-50 PSF		

PANEL SIZE CHART				
PANEL CALL SIZE	PANEL MAX. SIZE	MAX. D.L.O.		GLAZING DETAIL TYPE
		WIDTH	HEIGHT	
3-0 8-0	37-1/8" x 93-1/8"	28-1/8"	84-1/16"	1, 2, 3 OR 4
3-0 10-0	37-1/8" x 117-1/8"	28-1/8"	108-1/8"	3 OR 4
4-0 8-0	49-1/8" x 93-1/8"	40-1/8"	84-1/16"	2, 3 OR 4
4-0 10-0	49-1/8" x 117-1/8"	40-1/8"	108-1/8"	4
5-0 8-0	61-1/8" x 93-1/8"	52-1/8"	84-1/16"	3 OR 4

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5	VERTICAL SECTION DETAILS
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24	P-HOOK ANCHOR LAYOUT DETAILS
25	GLAZING DETAILS & SPLICE DETAILS

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT SIZE CHART, PANEL SIZE CHART & GENERAL NOTES	DATE	05/16/22	BY	LMH	DATE	08.22.22
	DWN BY:	LMH	REVISION DESCRIPTION	LMH	DATE	08.30.23
	CHK BY:	SAS	NO.	A	UPDATE PANEL SIZE CHART	
	SCALE:	NTS	B		N22-023 ADDED TEST SIZES	



09/16/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

FL#: **41161**

DWG #: **PGW331**

SHEET **1-FL** OF **25**

PERFORMANCE GRADE LC-PG50 (IMPACT)

TABLE I: INSTALLATION FASTENERS TABLE

ID	FRAME LOCATION	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EDGE DISTANCE	MIN. EMBED.	MIN. ON CENTER SPACING	PANEL WIDTH					
							UP TO 3-0 10-0 MAX.		UP TO 4-0 10-0 MAX.		UP TO 5-0 8-0 MAX.	
							HEAD & SILL CLUSTERS QUANTITY	JAMB O.C. SPACING	HEAD & SILL CLUSTERS QUANTITY	JAMB O.C. SPACING	HEAD & SILL CLUSTERS QUANTITY	JAMB O.C. SPACING
A	HEAD/SILL/JAMB	CONCRETE (2 KSI MIN.)	1/4" ITW TAPCON W/ADVANCED THREADFORM TECHNOLOGY COATED CARBON STEEL	1-1/2"	1-3/4"	4"	3	16-3/4"	3	16-3/4"	3	16-3/4"
B	JAMBS ONLY	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" ITW TAPCON W/ADVANCED THREADFORM TECHNOLOGY COATED CARBON STEEL	2"	1"	4"	N/A	15-1/4"	N/A	15-1/4"	N/A	15-1/4"
C	HEAD/SILL/JAMB	CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+, COATED CARBON STEEL	1"	1-3/8"	4"	4	15-1/4"	5	15-1/4"	5	15-1/4"
D	HEAD/SILL/JAMB	CONCRETE (3.05 KSI MIN.)	1/4" DEWALT ULTRACON+, COATED CARBON STEEL	2-1/2"	1-3/8"	4"	3	16-3/4"	3	16-3/4"	3	16-3/4"
E	JAMBS ONLY	HOLLOW CMU (ASTM C-90)	1/4" DEWALT ULTRACON+, COATED CARBON STEEL	1"	1-1/4"	3"	N/A	15-1/4"	N/A	15-1/4"	N/A	15-1/4"
F	JAMBS ONLY	HOLLOW CMU (ASTM C-90)	1/4" DEWALT ULTRACON+, COATED CARBON STEEL	2-1/2"	1-1/4"	3"	N/A	16-3/4"	N/A	16-3/4"	N/A	16-3/4"
G	JAMBS ONLY	GROUT-FILLED CMU (ASTM C-90)	1/4" DEWALT ULTRACON+, COATED CARBON STEEL	1"	1-1/4"	4"	N/A	16-3/4"	N/A	16-3/4"	N/A	16-3/4"
H	HEAD/SILL/JAMB	CONCRETE (3 KSI MIN.)	1/4" HILTI KWIK-CON+, COATED CARBON STEEL	2-1/2"	1"	2"	3	16-3/4"	3	16-3/4"	3	16-3/4"
I	JAMBS ONLY	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" HILTI KWIK-CON+, COATED CARBON STEEL	2-1/2"	1"	4"	N/A	16-3/4"	N/A	16-3/4"	N/A	16-3/4"
J	HEAD/SILL/JAMB	CONCRETE (2.22 KSI MIN.)	1/4" DEWALT AGGRE-GATOR, 300 STAINLESS STEEL	1-1/2"	1-3/8"	3"	3	16-3/4"	3	16-3/4"	3	16-3/4"
K	JAMBS ONLY	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" DEWALT AGGRE-GATOR, 300 STAINLESS STEEL	2"	1-1/4"	3"	N/A	16-3/4"	N/A	16-3/4"	N/A	16-3/4"
L	HEAD/SILL/JAMB	2X MIN. SPRUCE-PINE-FIR WOOD (G>=0.42)	#12 GRADE 5 WOOD SCREW	3/4"	1-1/2"	3"	4	16-1/2"	5	16-1/2"	5	16-1/2"
M	HEAD/SILL/JAMB	2X MIN. SOUTHERN PINE WOOD (G>=0.55)	#12 GRADE 5 WOOD SCREW	3/4"	1-1/2"	3"	4	16-1/2"	5	16-1/2"	5	16-1/2"
N	HEAD/SILL/JAMB	2X MIN. SPRUCE-PINE-FIR WOOD (G>=0.42)	1/4" MASONRY FASTENERS AS LISTED IN THIS TABLE	1"	1-1/2"	3"	4	16-1/2"	5	16-1/2"	5	16-1/2"
O	HEAD/SILL/JAMB	2X MIN. SOUTHERN PINE WOOD (G>=0.55)	1/4" MASONRY FASTENERS AS LISTED IN THIS TABLE	1"	1-1/2"	3"	4	16-1/2"	5	16-1/2"	5	16-1/2"
P	HEAD/SILL/JAMB	16 GAUGE (0.060"), MIN. STEEL STUD, 33 KSI YIELD MIN.	#12-14 ITW TEKS,DEWALT DRIL-FLEX, OR HILTI KWIK-FLEX SELF-DRILLING SCREW	1/2"	FULL PLUS 3 THREADS MIN.	3"	3	16-3/4"	3	16-3/4"	3	16-3/4"
Q	HEAD/SILL/JAMB	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 36 KSI MIN.	#12-14 GRADE 5 SELF-TAPPING/DRILLING SCREW	1/2"	FULL PLUS 3 THREADS MIN.	3"	3	16-3/4"	3	16-3/4"	3	16-3/4"

NOTES: -ALL SCREWS SHALL BE PAN OR HEX WASHER HEAD.
 -PRE-DRILLING FOR ANCHORS INTO WOOD IS RECOMMENDED.
 -SEE SHEET 2I FOR P-HOOK DETAILS
 -CONCRETE/MASONRY SHALL NOT BE CRACKED.

PlyGem
 RESIDENTIAL SOLUTIONS
 A Division of Cornerstone Building Brands
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TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT TABLE I	DATE	05/16/22	DATE	08.22.22
	DWN BY:	LMH	BY	LMH
	CHK BY:	SAS	REVISION DESCRIPTION	UPDATE PANEL SIZE CHART
NO.	A	B	N22-023 ADDED TEST SIZES	
SCALE:	NTS			



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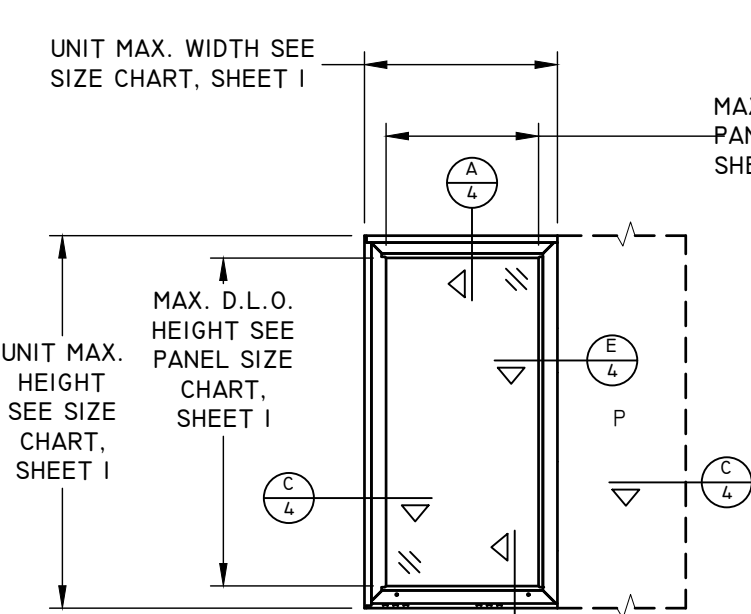
FL#: **41161**
 DWG #: **PGW331**
 SHEET: **2** OF **25**

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT CONFIGURATIONS & ELEVATIONS	NO.	REVISION DESCRIPTION	BY	DATE
	A	UPDATE PANEL SIZE CHART	LMH	08.22.22
	B	N22-023 ADDED TEST SIZES	LMH	08.30.23
DATE: 05/16/22	DWN BY: LMH	CHK BY: SAS	SCALE: NTS	

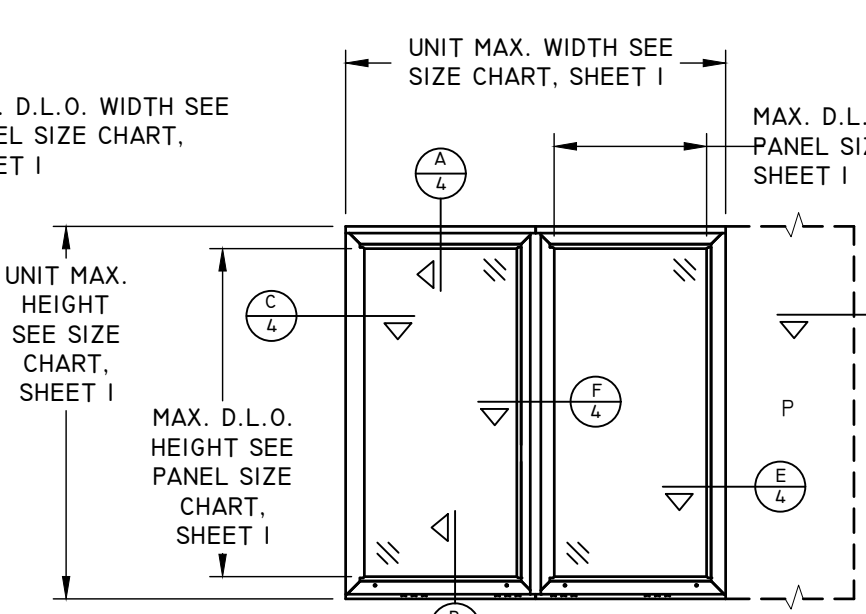


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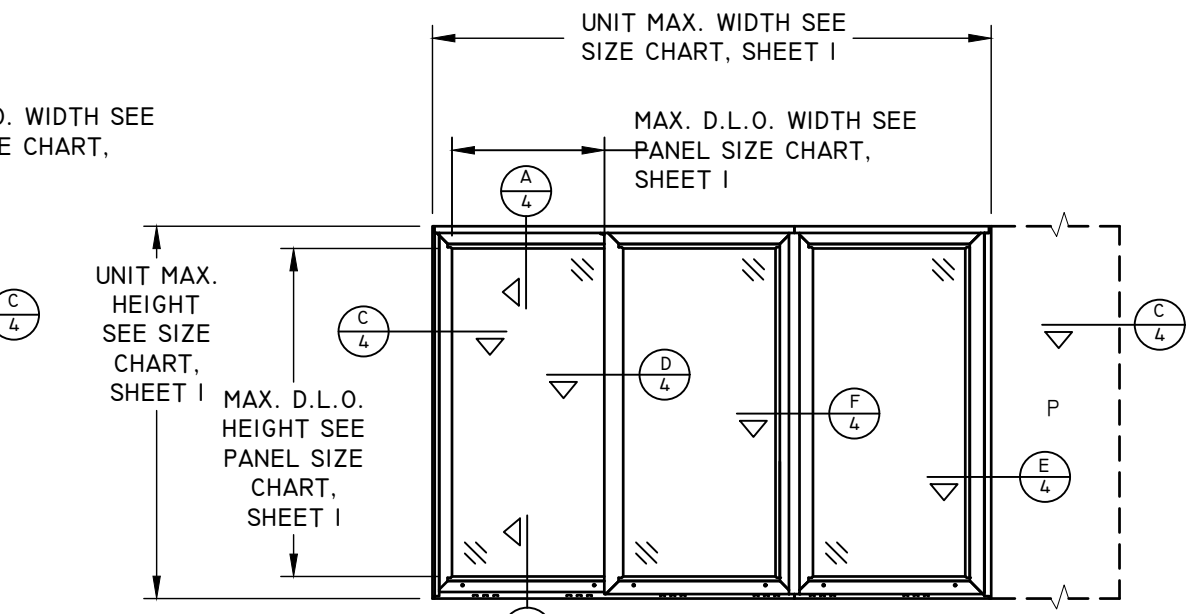
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DWG #: **PGW331**
SHEET: **3** OF **25**



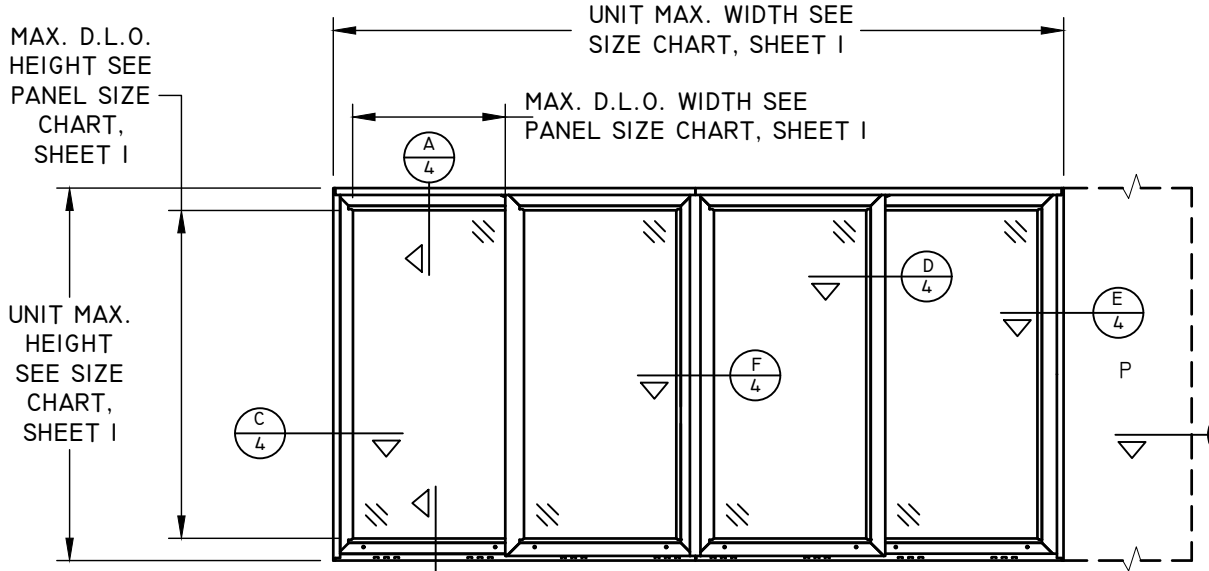
TYPICAL ELEVATION
XP or PX



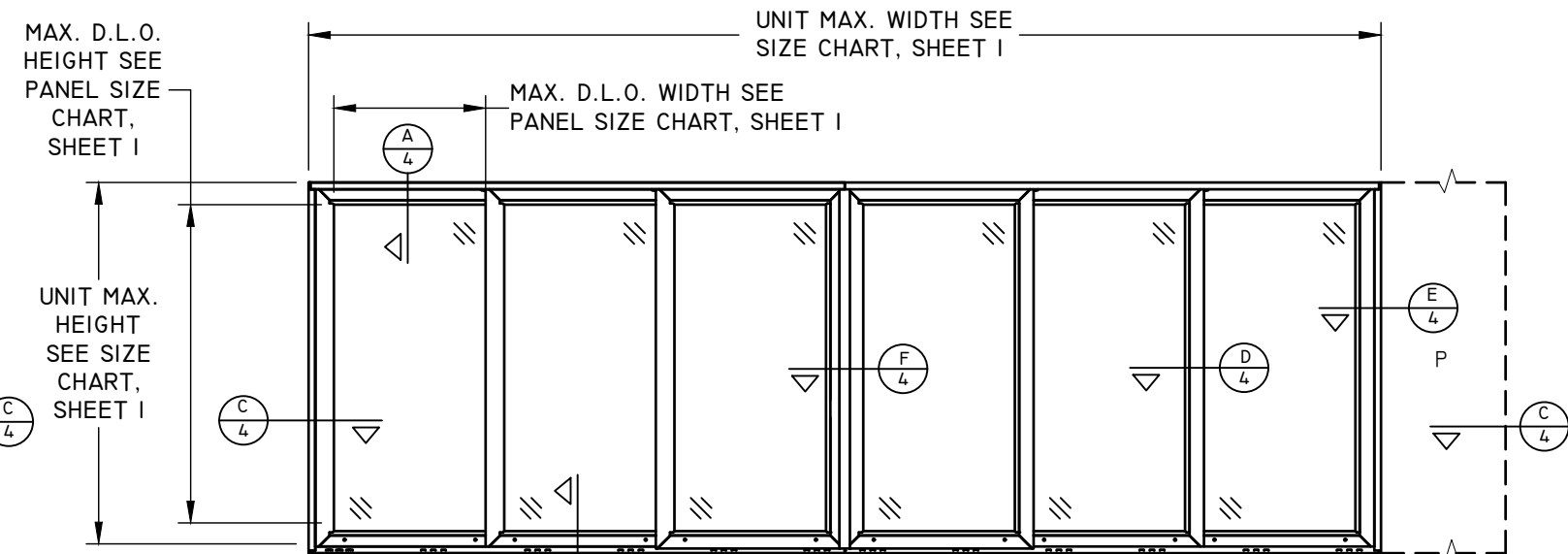
TYPICAL ELEVATION
XO, OX, XX, PXX, XXP or PX-XP



TYPICAL ELEVATION
XXXP, PXXX, XXXL, XXO, OXX, OX-O or O-XO



TYPICAL ELEVATION
XXXXP, PXXXX, XXXL, XXXO, OXXX, PXX-XXP or OX-XO



TYPICAL ELEVATION
OXX-XXO or PXXX-XXXP

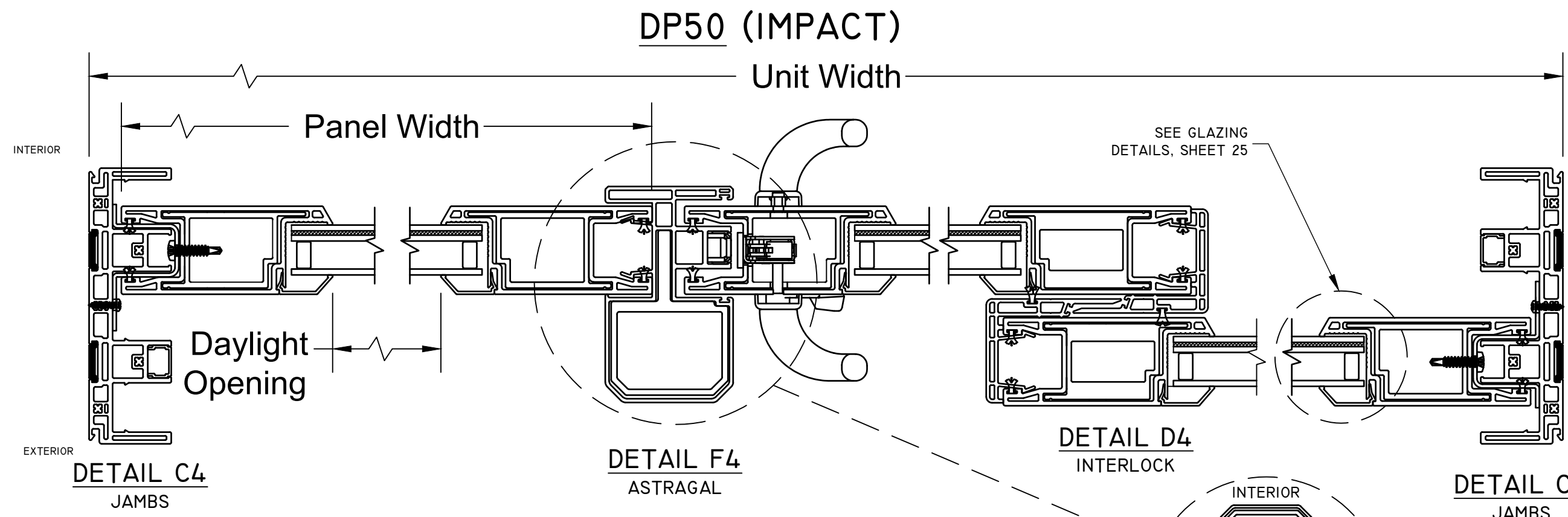
2 TRACK CONFIGURATIONS		
CONFIGURATION	# OF TRACKS	# OF PANELS
XP	2	1
PX	2	1
XXP	2	2
PXX	2	2
XX	2	2
XO	2	2
OX	2	2
PX-XP	2	2
OX-O	2	3
O-XO	2	3
PXX-XXP	2	4
OX-XO	2	4

3 TRACK CONFIGURATIONS		
CONFIGURATION	# OF TRACKS	# OF PANELS
XXXP	3	3
PXXX	3	3
XXX	3	3
XXO	3	3
OXX	3	3
PXXX-XXXP	3	6
OXX-XXO	3	6

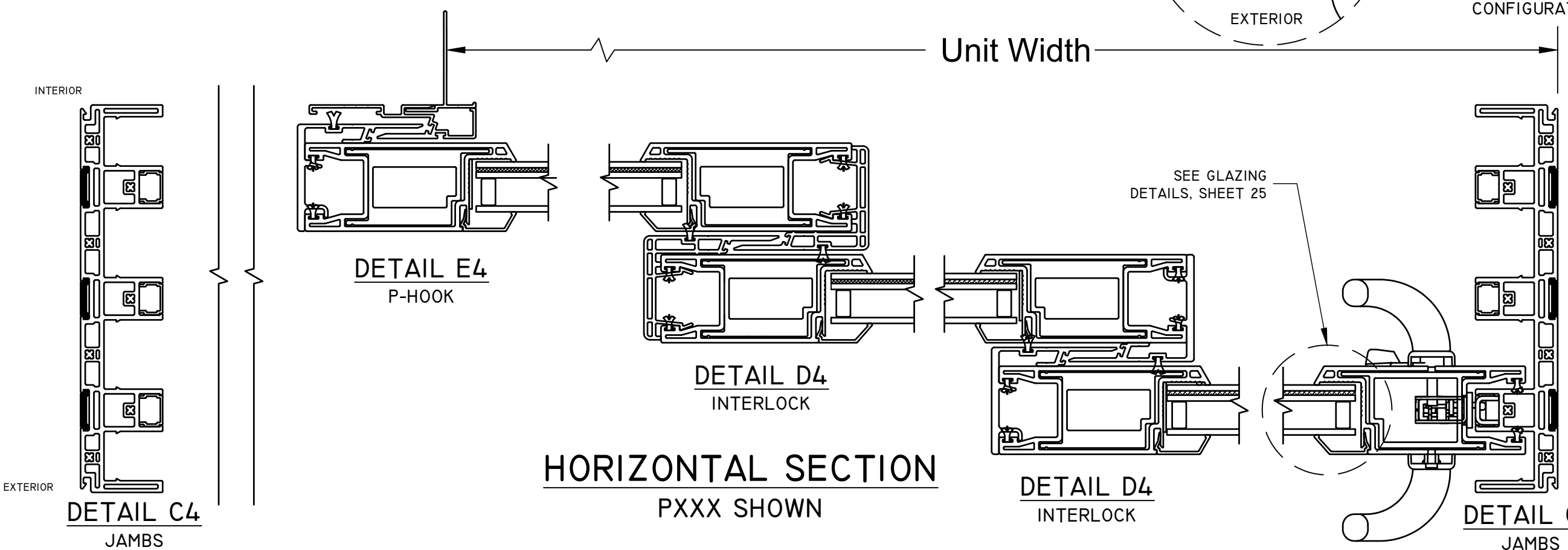
4 TRACK CONFIGURATIONS		
CONFIGURATION	# OF TRACKS	# OF PANELS
XXXXP	4	4
PXXXX	4	4
XXXX	4	4
XXXO	4	4
OXXX	4	4

CONFIGURATION NOTES	
CODE	PANEL TYPE
O	FIXED PANEL
X	OPERATING PANEL
P	POCKET
-	BI-PARTING

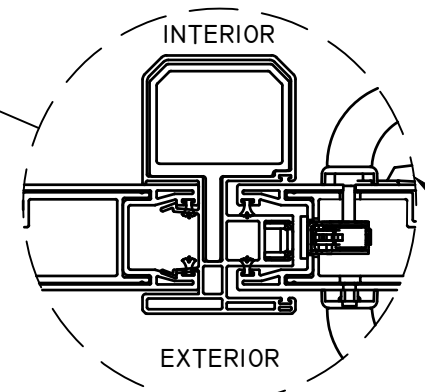
CONFIGURATION NOTES:
- ALL CONFIGURATIONS ARE AVAILABLE WITH POCKET AT EITHER OR BOTH JAMB LOCATIONS.



HORIZONTAL SECTION
O-XO SHOWN



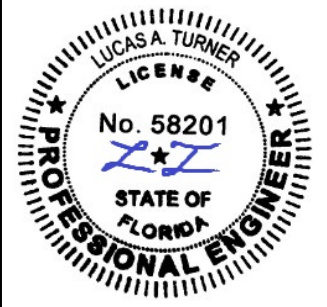
HORIZONTAL SECTION
PXXX SHOWN



TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT HORIZONTAL SECTION DETAILS

NO.	REVISION DESCRIPTION	BY	DATE
A	UPDATE PANEL SIZE CHART	LMH	08.22.22
B	N22-023 ADDED TEST SIZES	LMH	08.30.23

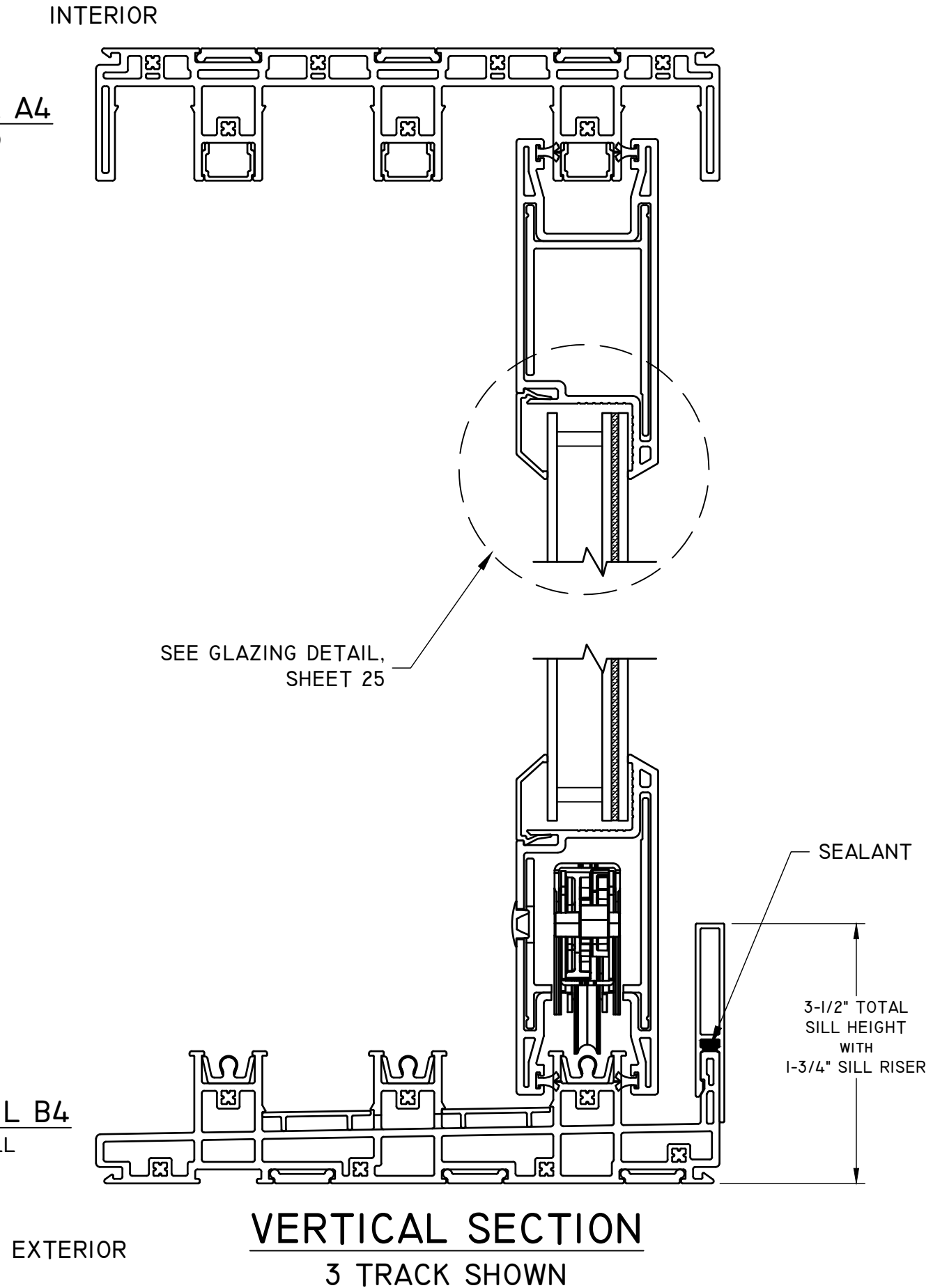
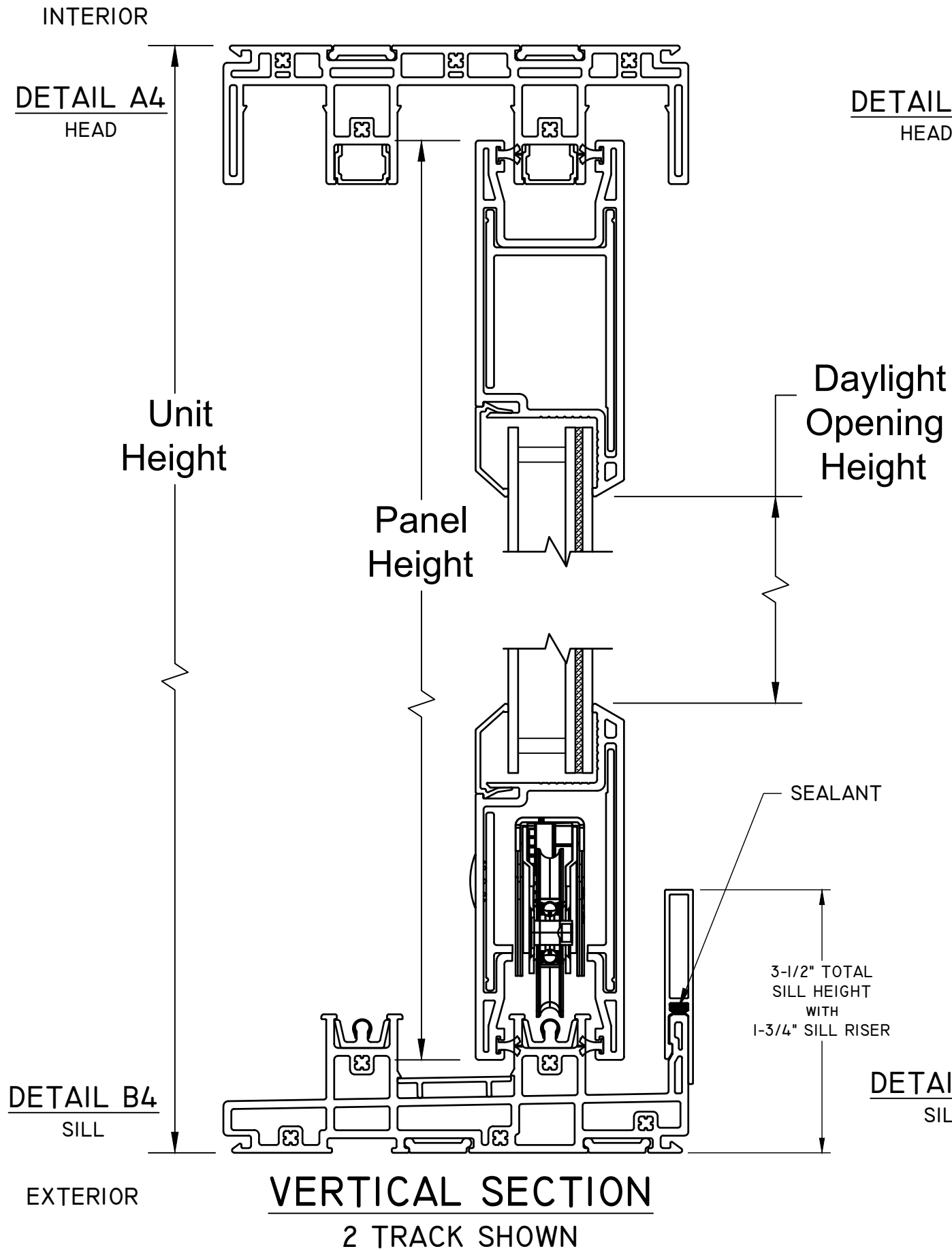
DATE:	05/16/22
DWN BY:	LMH
CHK BY:	SAS
SCALE:	NTS



09/16/2023
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FL#: **41161**
DWG #: **PGW331**
SHEET: **4** OF **25**

DP50 (IMPACT)



TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT VERTICAL SECTION DETAILS		DATE	BY	REVISION DESCRIPTION
NO.	NO.	DATE	BY	REVISION DESCRIPTION
A	A	08.22.22	LMH	UPDATE PANEL SIZE CHART
B	B	08.30.23	LMH	N22-023 ADDED TEST SIZES
DATE:	DWN BY:	CHK BY:	SCALE:	
05/16/22	LMH	SAS	NTS	



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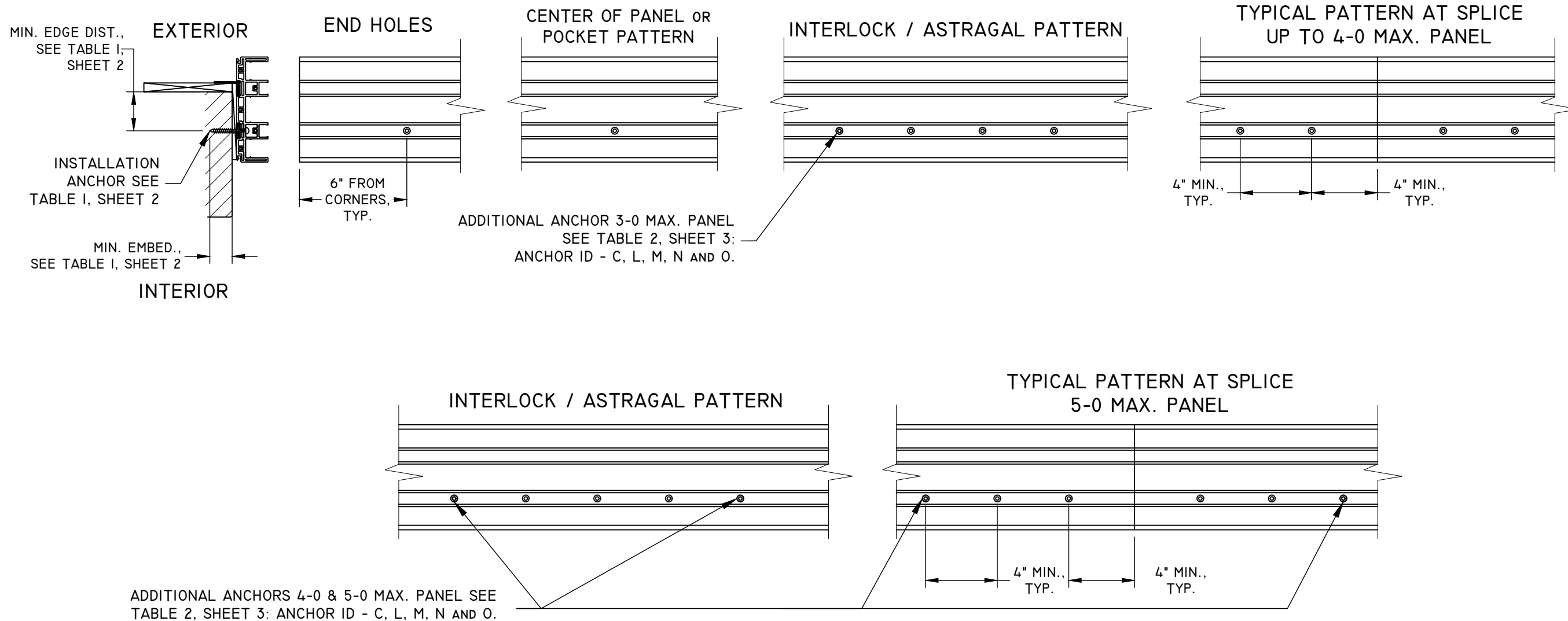
FL #: **41161**

DWG #: **PGW331**

SHEET: **5** OF **25**

2 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - HEAD

HEAD - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE 1, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. 1X WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAIL, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22					
	BY	LMH					
	REVISION DESCRIPTION						
	NO.	A	B				
	UPDATE PANEL SIZE CHART						
	N22-023 ADDED TEST SIZES						
DATE:	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS



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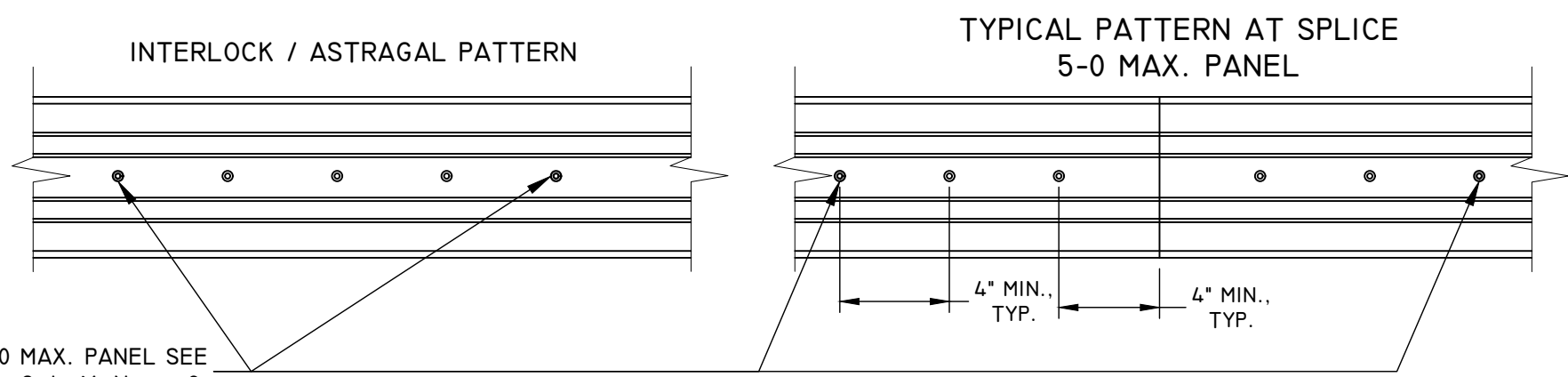
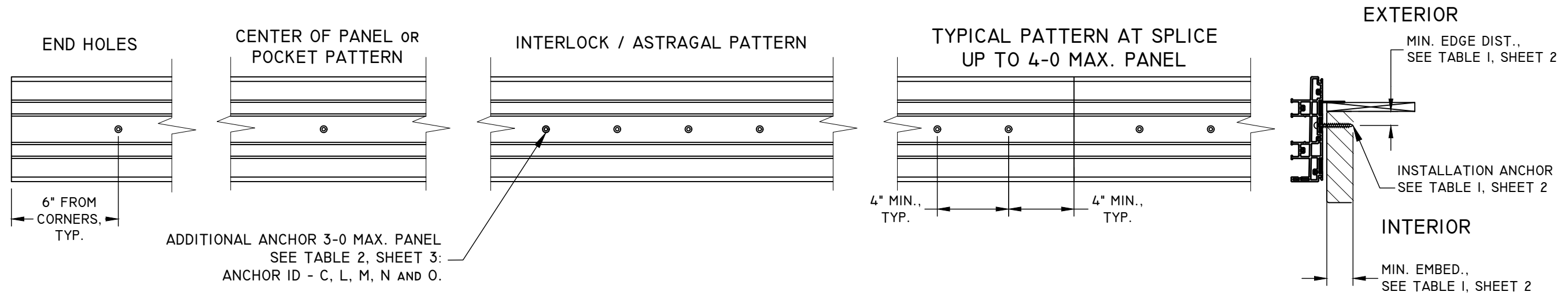
FL#: 41161

DWG #: PGW331

SHEET: 6 OF 25

2 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - SILL

SILL - DP50 (IMPACT)

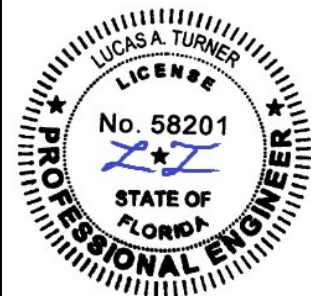


ADDITIONAL ANCHORS 4-0 & 5-0 MAX. PANEL SEE
TABLE 2, SHEET 3: ANCHOR ID - C, L, M, N AND O.

NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. SILL NAIL FIN IS OPTIONAL.
5. 1/4" MAX. SHIM STACK.
6. SPLICE DETAIL, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22		
	BY	LMH	LMH	
NO.	REVISION DESCRIPTION	A	UPDATE PANEL SIZE CHART	
		B	N22-023 ADDED TEST SIZES	
DATE:	DWN BY:	CHK BY:	SCALE:	
05/16/22	LMH	SAS	NTS	



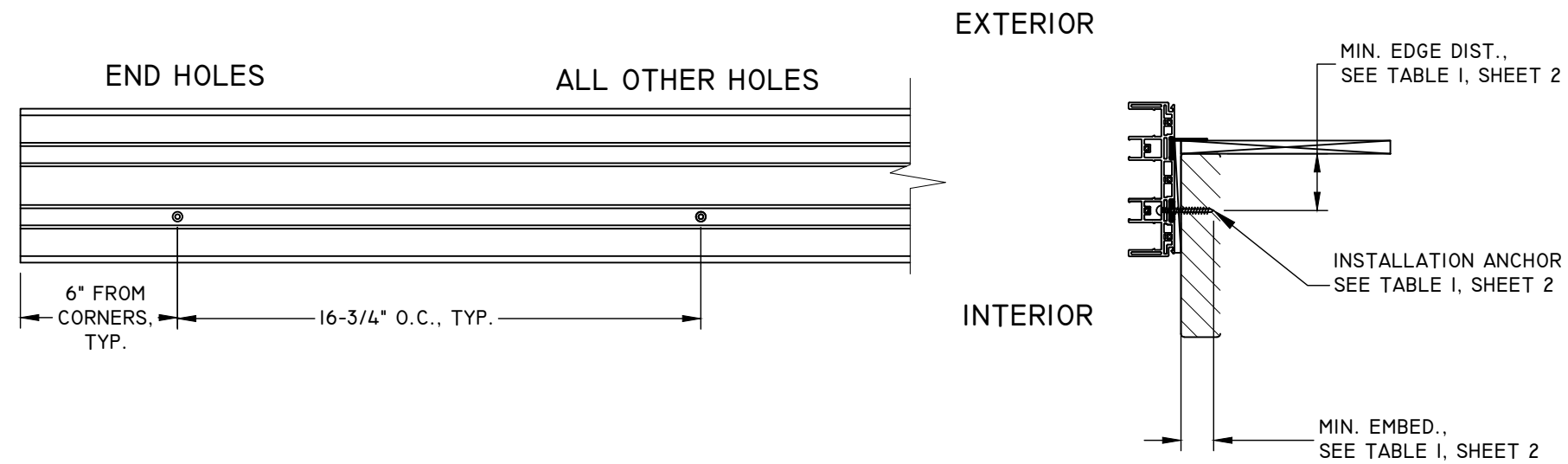
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FL#:	41161
DWG #:	PGW331
SHEET:	7 OF 25

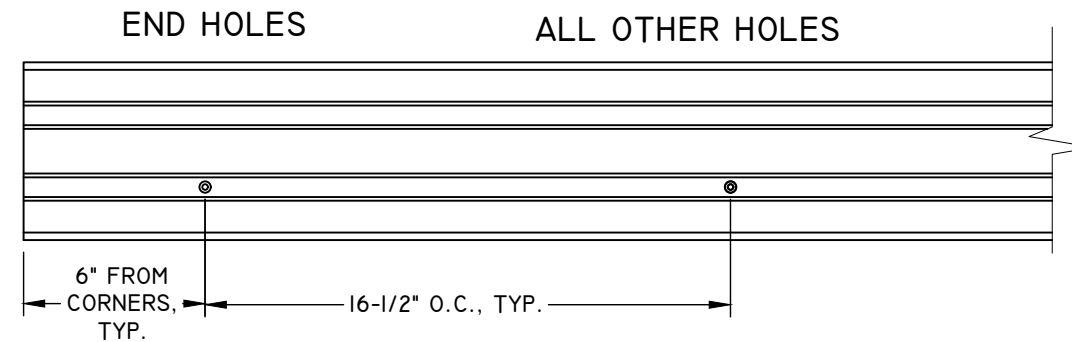
2 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - JAMBS

JAMB - DP50 (IMPACT)

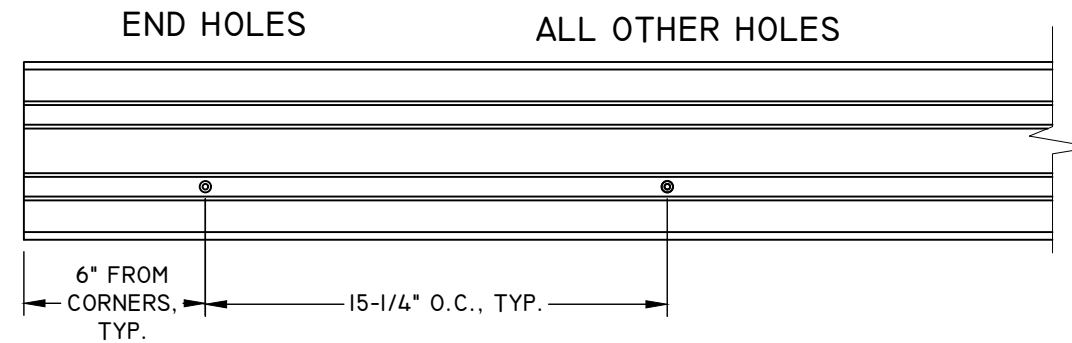
SEE TABLE I, SHEET 2:
ANCHOR ID - A, D, F, G,
H, I, J, K, P, AND Q.



SEE TABLE I, SHEET 2:
ANCHOR ID - L, M, N, AND O.



SEE TABLE I, SHEET 2:
ANCHOR ID - B, C, AND E.



NOTES:

- INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
- SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
- IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
- 1/4" MAX. SHIM STACK.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT		DATE	BY	REVISION DESCRIPTION
NO.	A	08.22.22	LMH	UPDATE PANEL SIZE CHART
NO.	B	08.30.23	LMH	N22-023 ADDED TEST SIZES

DATE:	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS
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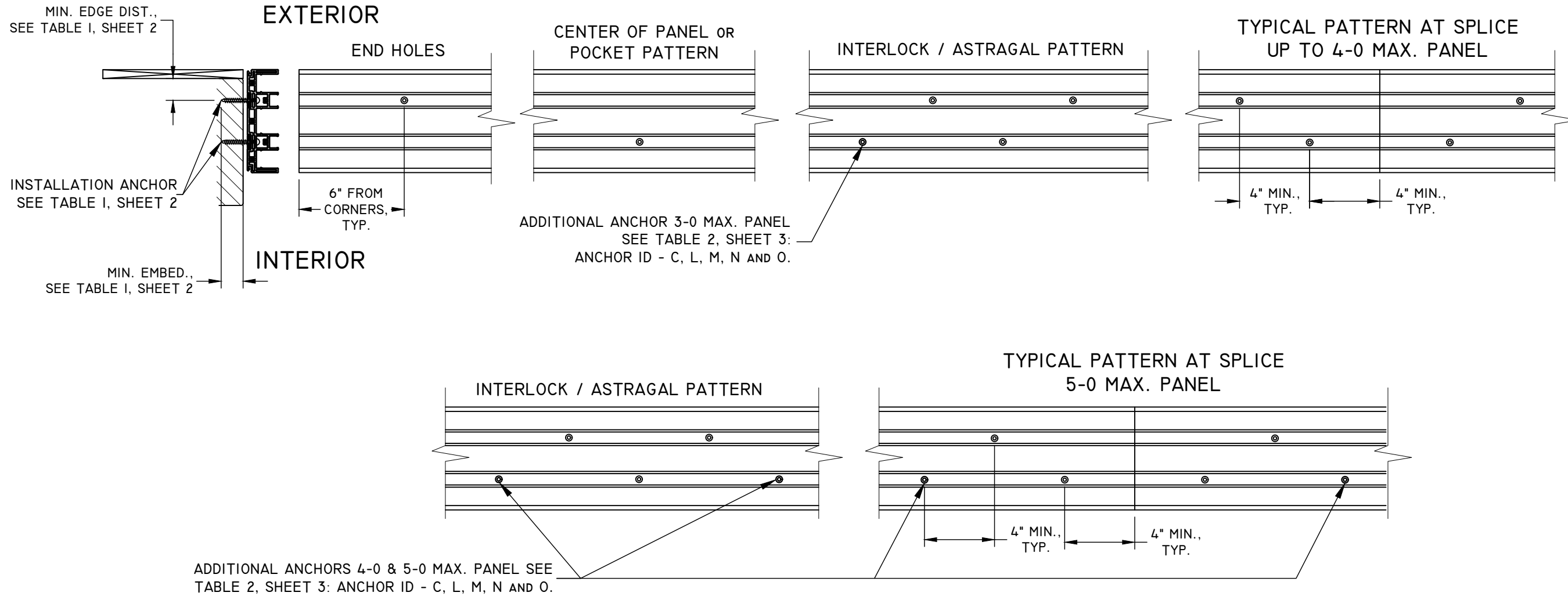
FL#: 41161

DWG #: PGW331

SHEET: 8 OF 25

2 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - HEAD

HEAD - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAIL, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22					
	BY	LMH					
	REVISION DESCRIPTION						
	NO.	A	B				
	UPDATE PANEL SIZE CHART	N22-023 ADDED TEST SIZES					
DATE:	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS



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FL PE # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

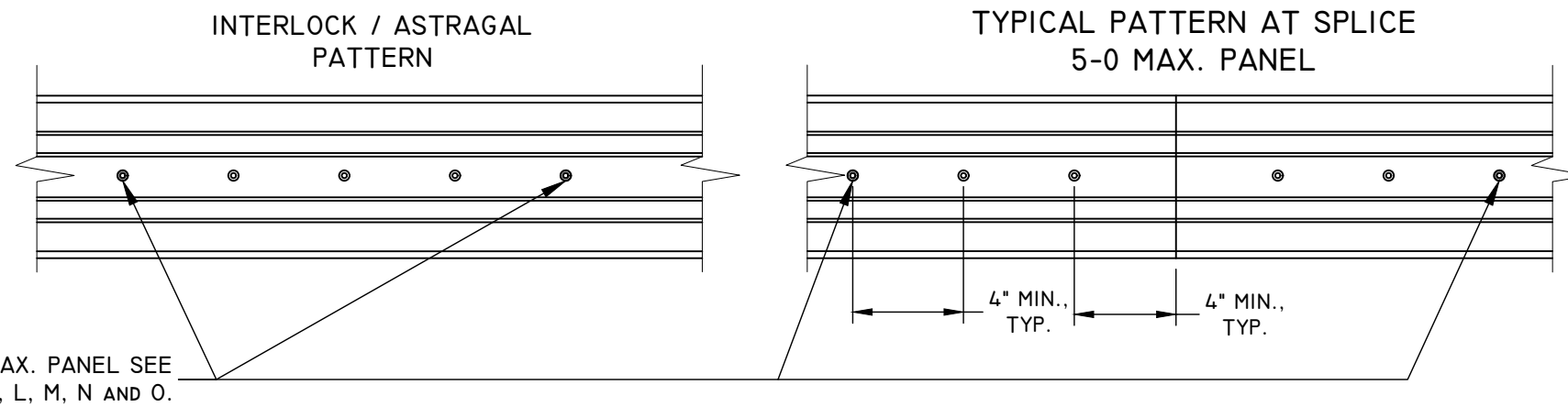
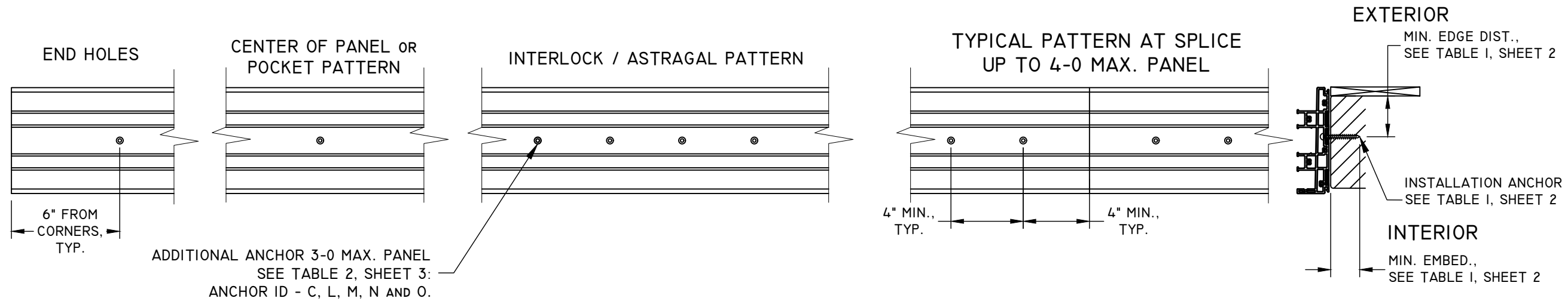
FL#: 41161

DWG #: PGW331

SHEET: 9 OF 25

2 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - SILL

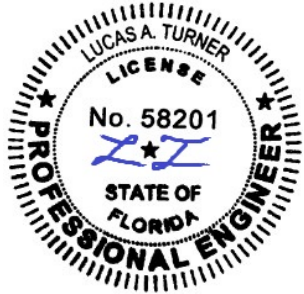
SILL - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. SILL NAIL FIN IS OPTIONAL.
5. 1/4" MAX. SHIM STACK.
6. SPLICE DETAILS, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22		
	BY	LMH		
NO.	REVISION DESCRIPTION			
	A	UPDATE PANEL SIZE CHART		
	B	N22-023 ADDED TEST SIZES		
DATE:	DWN BY:	CHK BY:	SCALE:	
05/16/22	LMH	SAS	NTS	



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TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

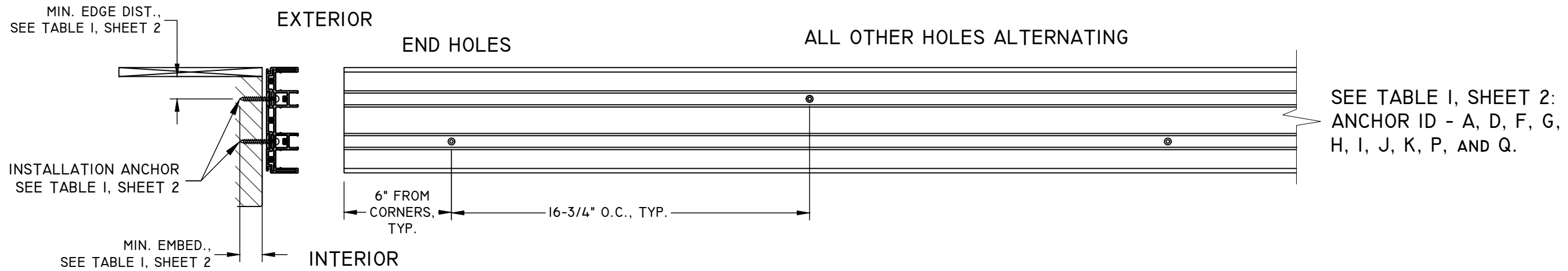
FL#: 41161

DWG #: PGW331

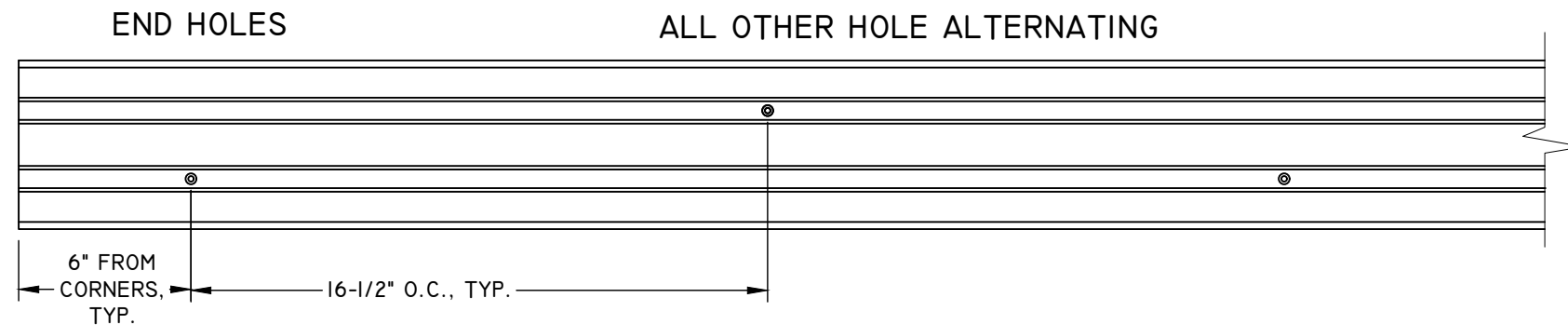
SHEET: 10 OF 25

2 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - JAMBS

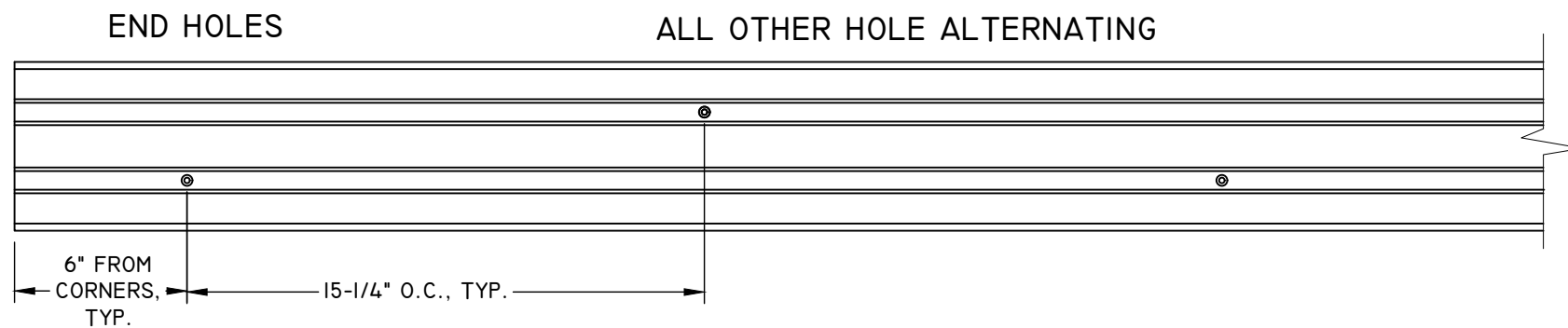
JAMB - DP50 (IMPACT)



SEE TABLE I, SHEET 2:
ANCHOR ID - A, D, F, G,
H, I, J, K, P, AND Q.



SEE TABLE I, SHEET 2:
ANCHOR ID - L, M, N, AND O.

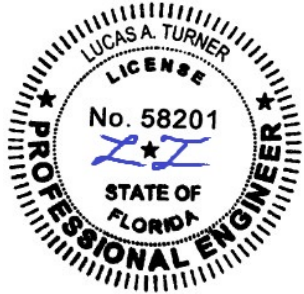


SEE TABLE I, SHEET 2:
ANCHOR ID - B, C, AND E.

NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. 1X WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22		
	BY	LMH		
	REVISION DESCRIPTION			
	NO.	A	B	
	DWN BY:	LMH	CHK BY:	SAS
	DATE:	05/16/22		SCALE:
				NTS



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TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

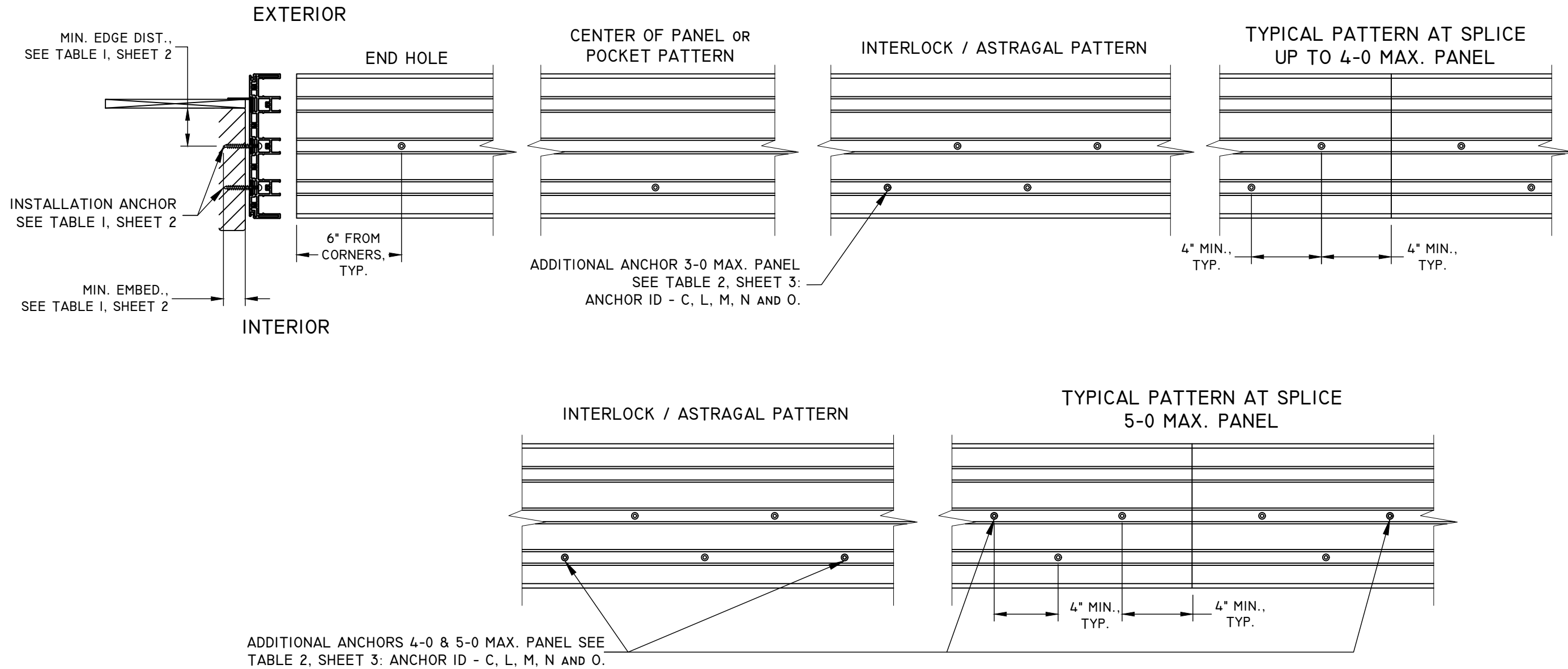
FL#: 41161

DWG #: PGW331

SHEET: 11 OF 25

3 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - HEAD

HEAD - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAILS, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22	08.30.23				
	BY	LMH	LMH				
	REVISION DESCRIPTION						
	NO.	A	B				
	UPDATE PANEL SIZE CHART						
	N22-023 ADDED TEST SIZES						
DATE:	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS



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2428 OLD NATCHEZ TRACE TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

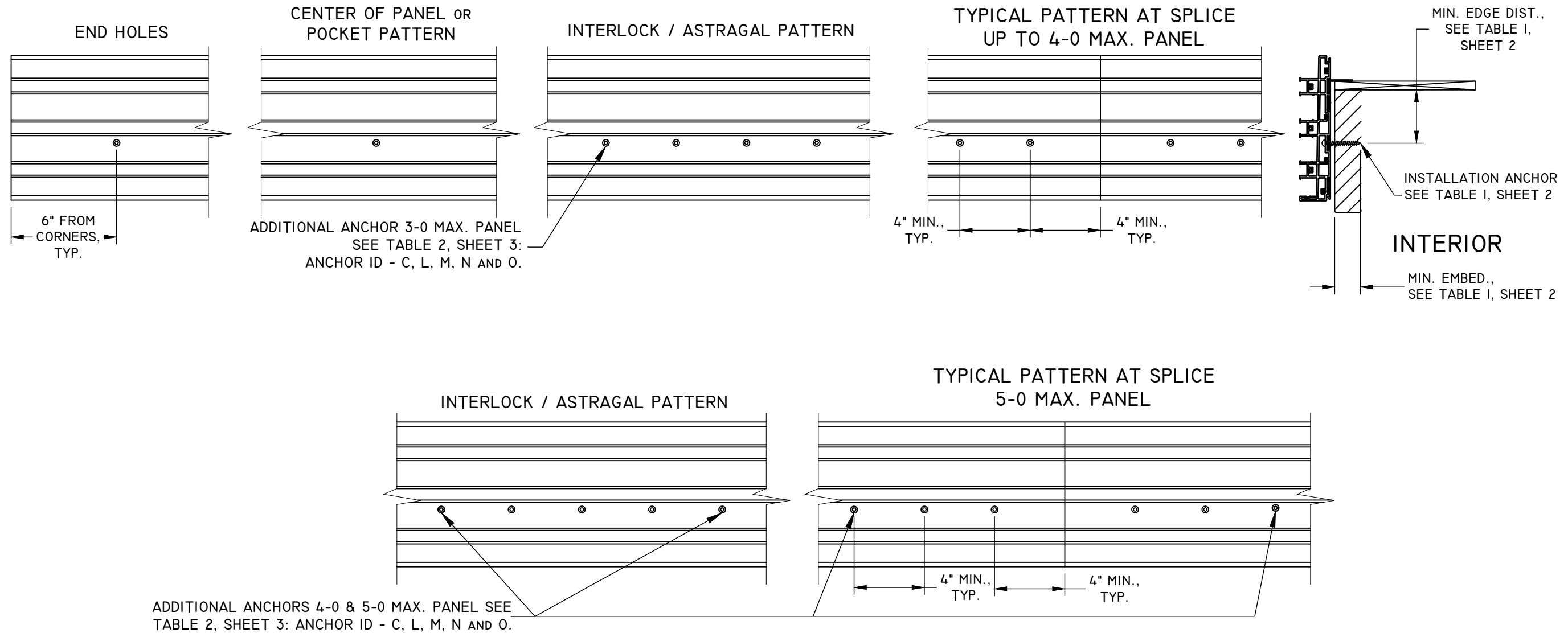
FL#: 41161

DWG #: PGW331

SHEET: 12 OF 25

3 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - SILL

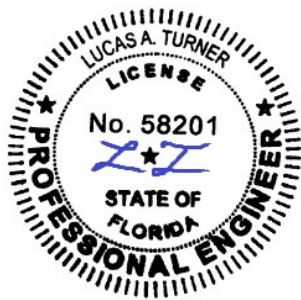
SILL - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE 1, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. SILL NAIL FIN IS OPTIONAL.
5. 1/4" MAX. SHIM STACK.
6. SPLICE DETAILS, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22	08.30.23	
	BY	LMH	LMH	
NO.	REVISION DESCRIPTION	A	UPDATE PANEL SIZE CHART	
		B	N22-023 ADDED TEST SIZES	
DATE:	DWN BY:	CHK BY:	SCALE:	
05/16/22	LMH	SAS	NTS	



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2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

FL#: 41161

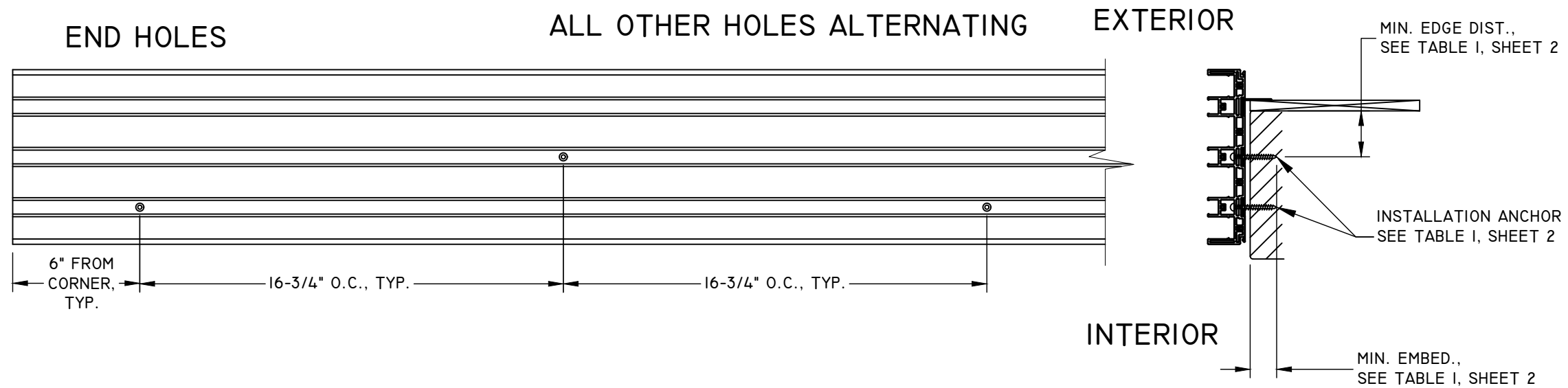
DWG #: PGW331

SHEET: 13 OF 25

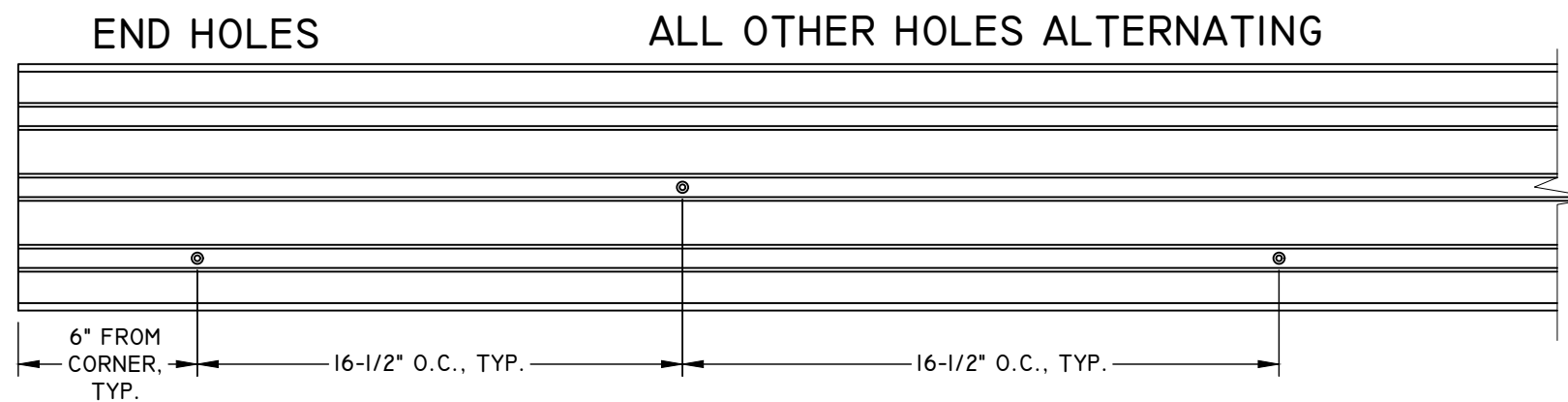
3 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - JAMBS

JAMB - DP50 (IMPACT)

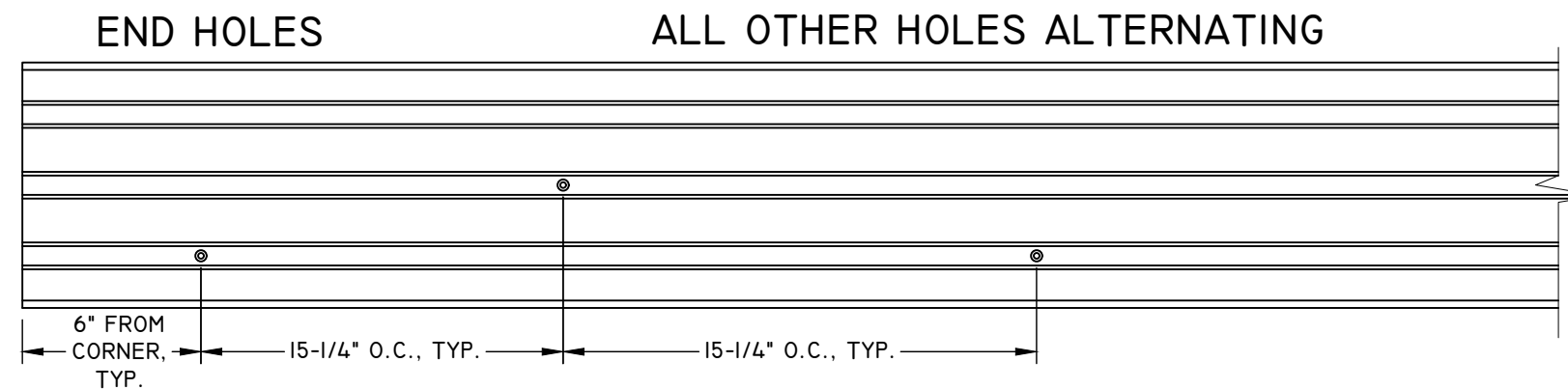
SEE TABLE I, SHEET 2:
ANCHOR ID - A, D, F, G,
H, I, J, K, P, AND Q.



SEE TABLE I, SHEET 2:
ANCHOR ID - L, M, N, AND O.



SEE TABLE I, SHEET 2:
ANCHOR ID - B, C, AND E.



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. 1X WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22		
	BY	LMH		
	REVISION DESCRIPTION			
	NO.	A	B	
DATE:	DWN BY:	CHK BY:	SCALE:	
05/16/22	LMH	SAS	NTS	
	REVISION DESCRIPTION	UPDATE PANEL SIZE CHART	N22-023 ADDED TEST SIZES	



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TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

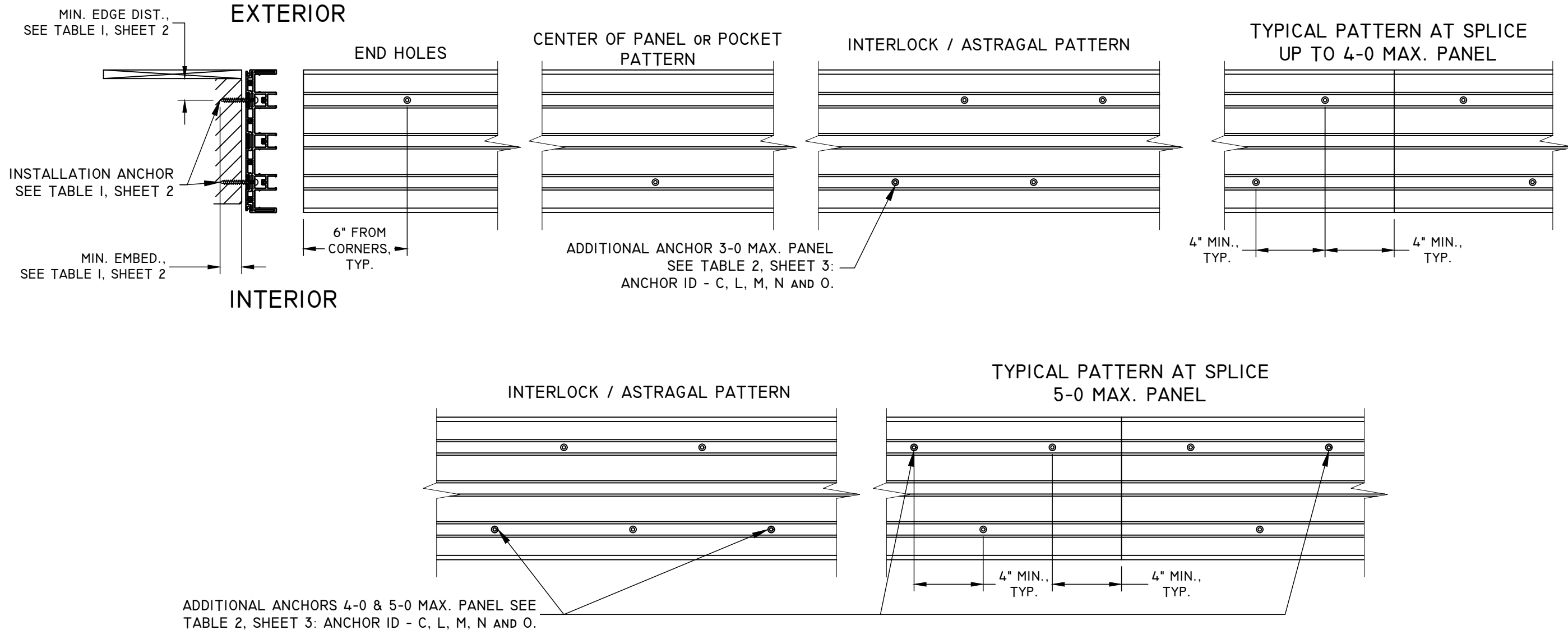
FL#: 41161

DWG #: PGW331

SHEET: 14 OF 25

3 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - HEAD

HEAD - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. 1X WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAILS, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22					
	BY	LMH					
	REVISION DESCRIPTION						
	NO.	A	UPDATE PANEL SIZE CHART				
DATE	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS



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TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

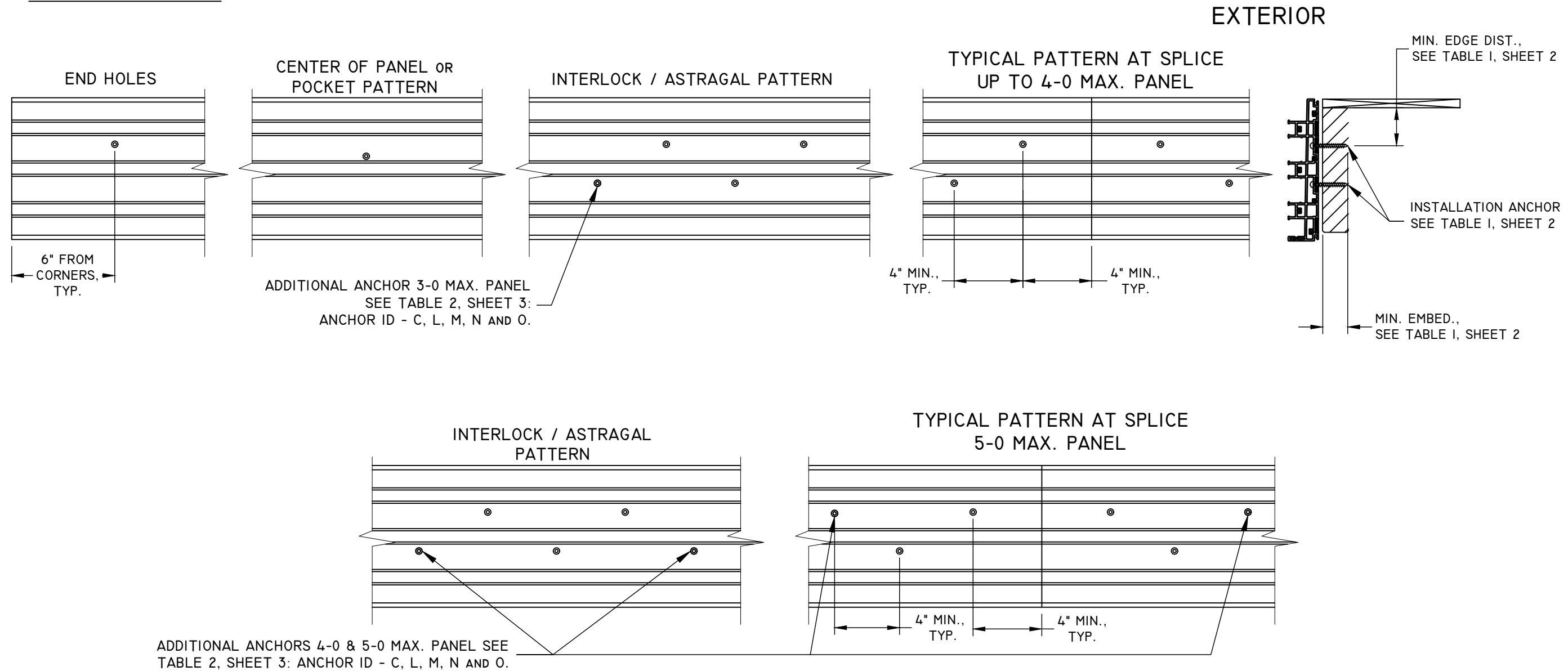
FL#: 41161

DWG #: PGW331

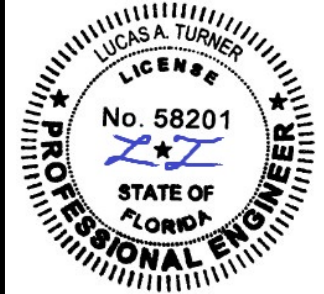
SHEET: 15 OF 25

3 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - SILL

SILL - DP50 (IMPACT)



TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22	
	BY	LMH	
REVISION DESCRIPTION	NO.	A	UPDATE PANEL SIZE CHART
	NO.	B	N22-023 ADDED TEST SIZES
DATE:	DWN BY:	CHK BY:	SCALE:
05/16/22	LMH	SAS	NTS



09/16/2023
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TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

FL#: 41161

DWG #: PGW331

SHEET: 16 OF 25

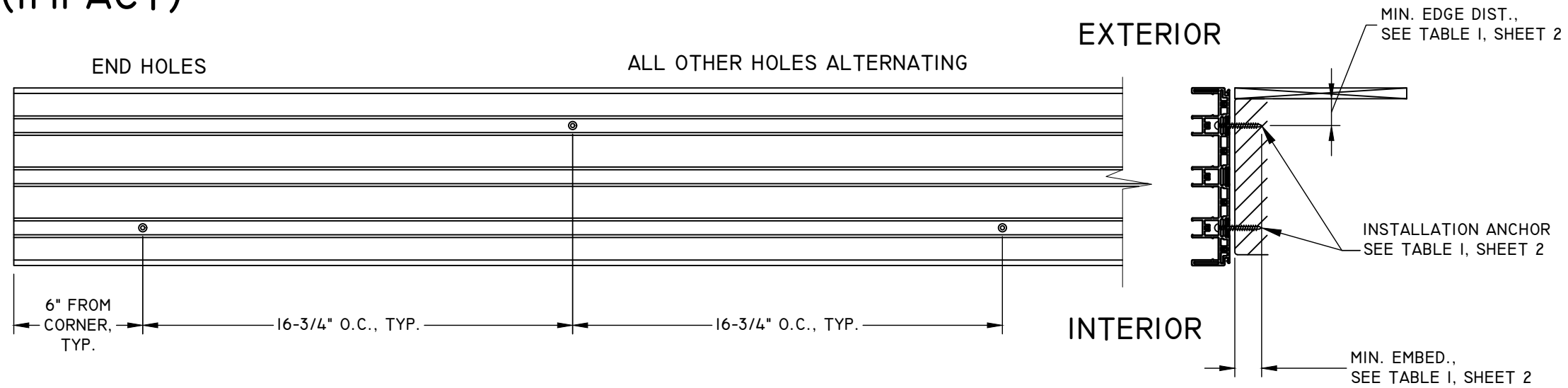
NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAILS, SEE SHEET 25.

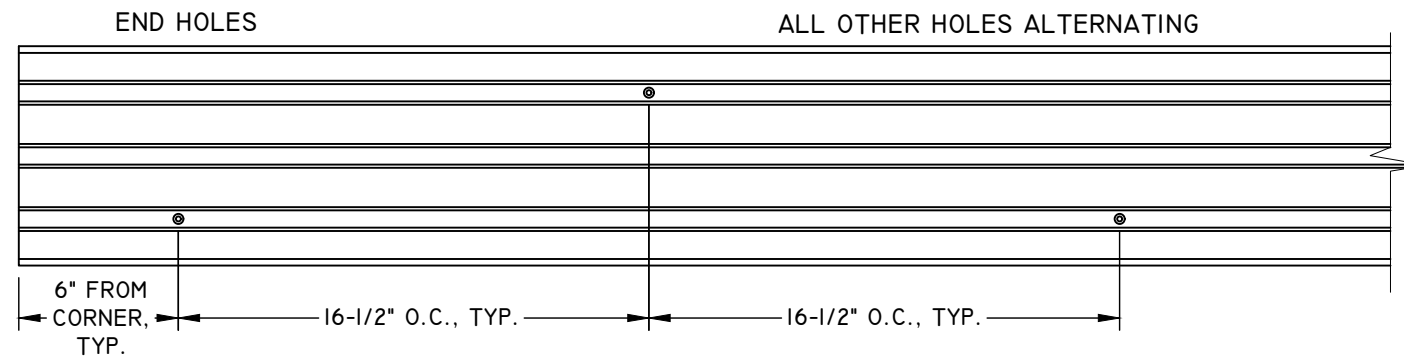
3 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - JAMBS

JAMB - DP50 (IMPACT)

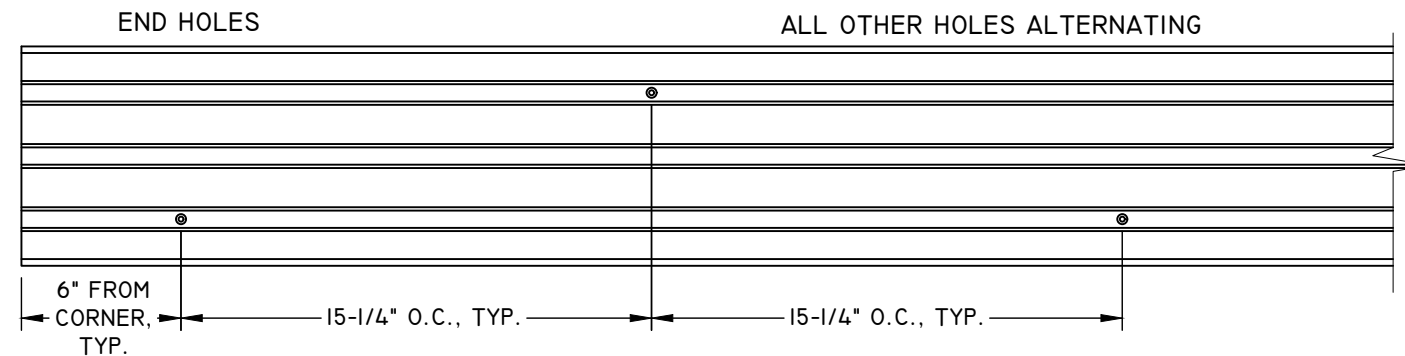
SEE TABLE I, SHEET 2:
ANCHOR ID - A, D, F, G,
H, I, J, K, P, AND Q.



SEE TABLE I, SHEET 2:
ANCHOR ID - L, M, N, AND O.



SEE TABLE I, SHEET 2:
ANCHOR ID - B, C, AND E.



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22
	BY	LMH
REVISION DESCRIPTION	NO.	A
	NO.	B
UPDATE PANEL SIZE CHART	CHK BY:	SAS
N22-023 ADDED TEST SIZES	SCALE:	NTS



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TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

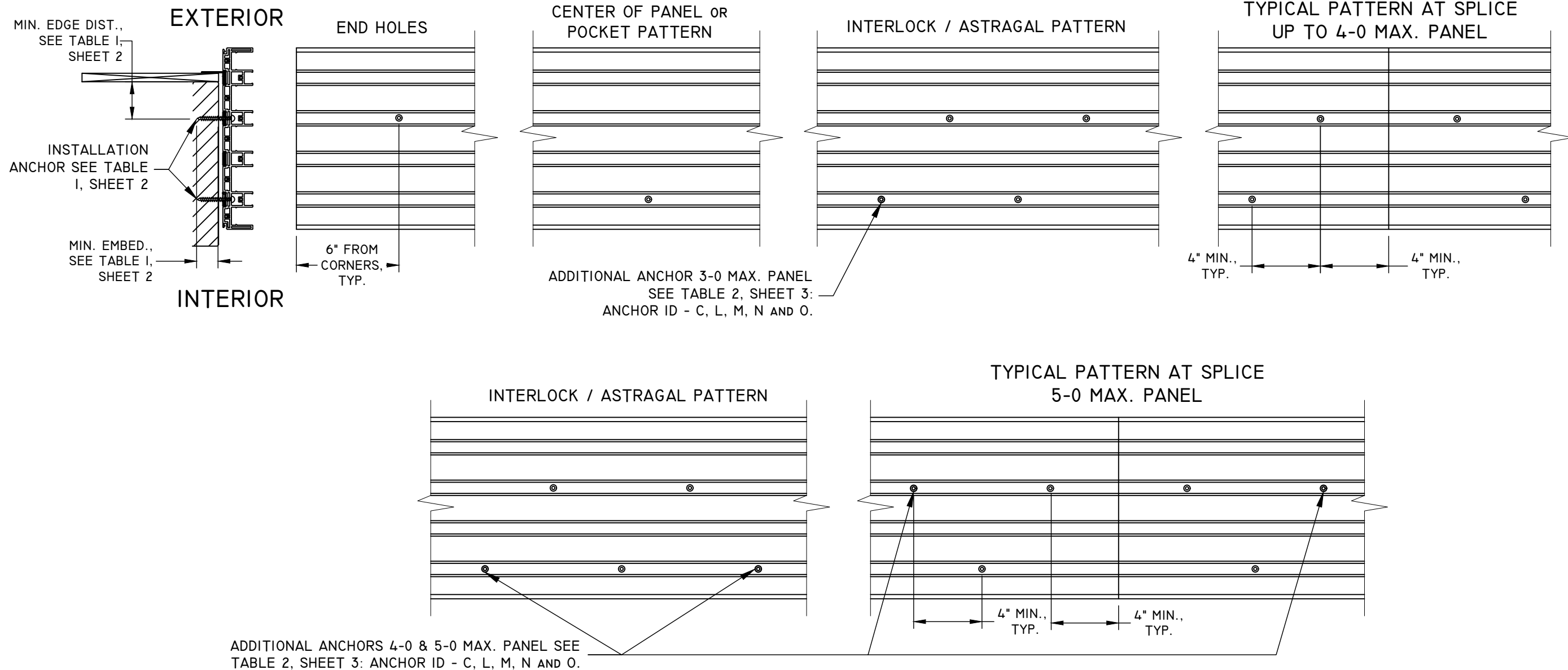
FL#: 41161

DWG #: PGW331

SHEET: 17 OF 25

4 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - HEAD

HEAD - DP50 (IMPACT)



TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22					
	BY	LMH					
	REVISION DESCRIPTION						
	NO.	A	B				
		UPDATE PANEL SIZE CHART					
		N22-023 ADDED TEST SIZES					
DATE:	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS



09/16/2023
LUCAS A. TURNER, P.E.
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2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

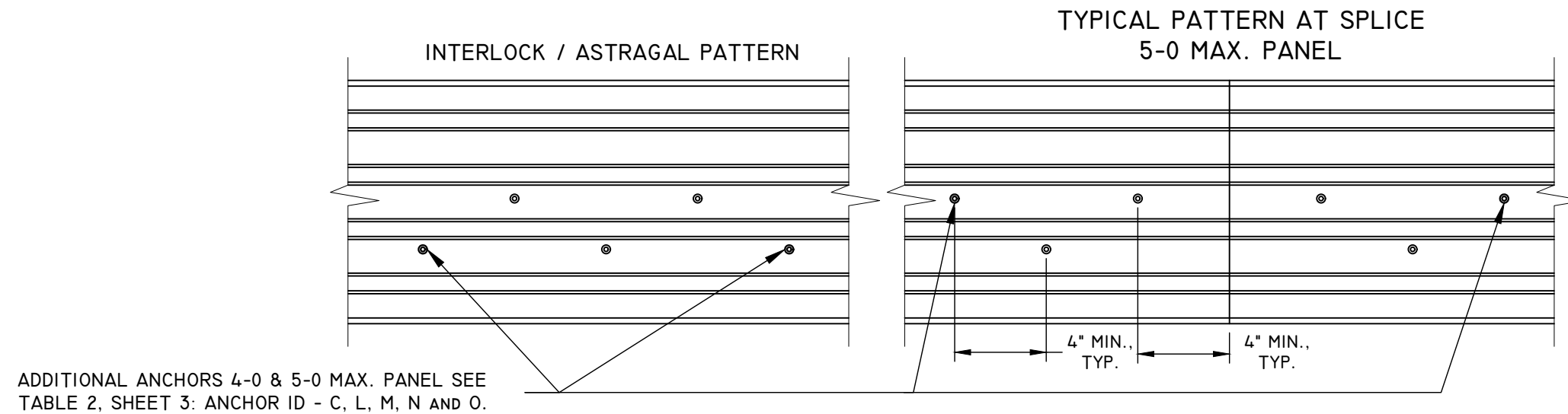
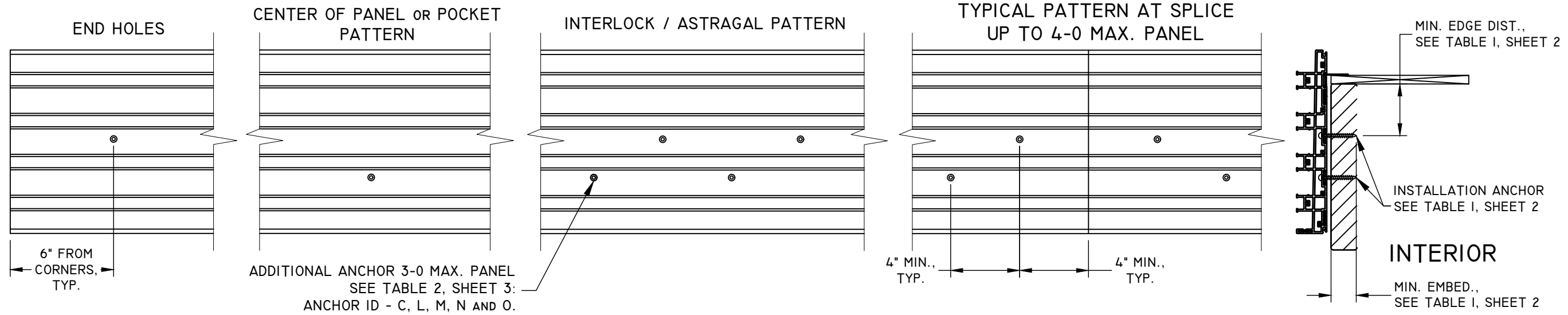
FL#: **41161**
DWG #: **PGW331**
SHEET: **18** OF **25**

NOTES:

- INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
- SEE TABLE 1, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
- IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
- 1/4" MAX. SHIM STACK.
- SPLICE DETAILS, SEE SHEET 25.

4 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - SILL

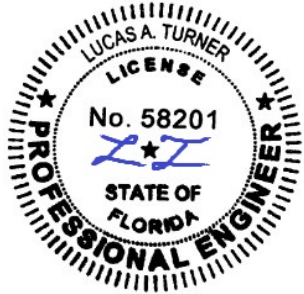
SILL - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAILS, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22					
	BY	LMH					
	REVISION DESCRIPTION						
	NO.	A	B				
	UPDATE PANEL SIZE CHART						
	N22-023 ADDED TEST SIZES						
DATE:	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS



09/16/2023
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PH. 941-380-1574

FL#: **41161**

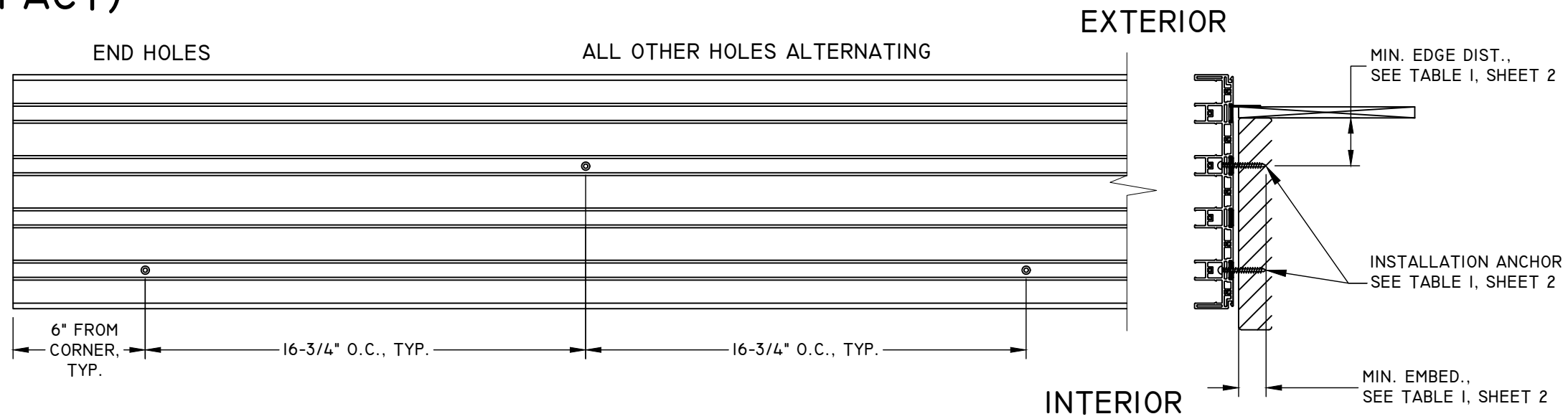
DWG #: **PGW331**

SHEET: **19** OF **25**

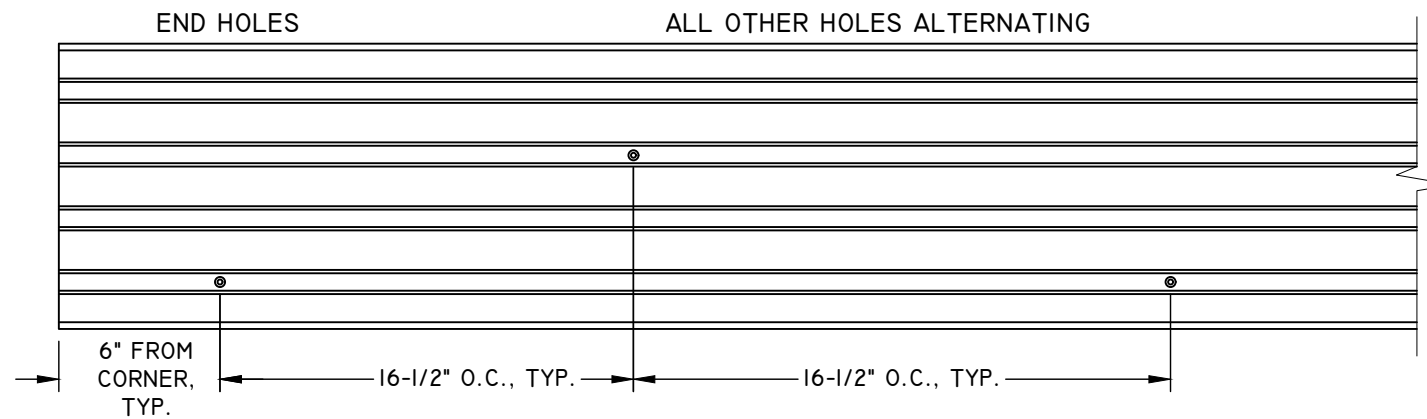
4 TRACK ANCHOR LAYOUT DETAILS WITH NAIL FIN - JAMBS

JAMB - DP50 (IMPACT)

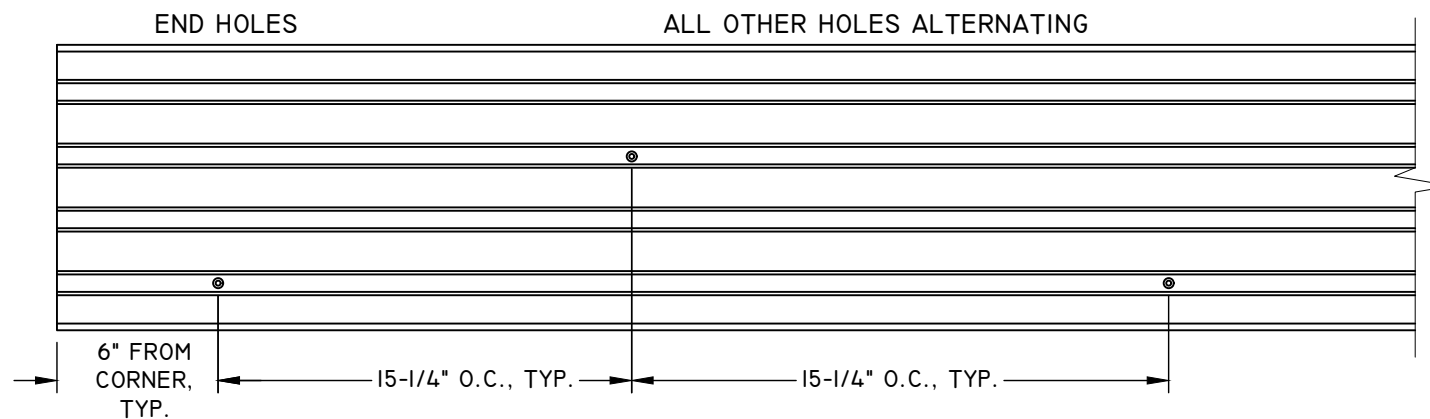
SEE TABLE I, SHEET 2:
ANCHOR ID - A, D, F, G,
H, I, J, K, P, AND Q.



SEE TABLE I, SHEET 2:
ANCHOR ID - L, M, N, AND O.



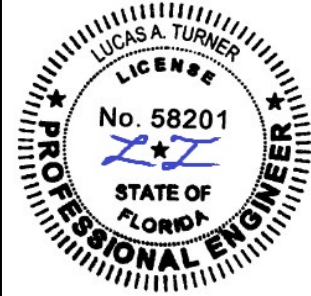
SEE TABLE I, SHEET 2:
ANCHOR ID - B, C, AND E.



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. 1X WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22		
	BY	LMH		
REVISION DESCRIPTION	NO.	A	B	
	UPDATE PANEL SIZE CHART		N22-023 ADDED TEST SIZES	
DATE:	DWN BY:	CHK BY:	SCALE:	
05/16/22	LMH	SAS	NTS	



09/16/2023
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TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

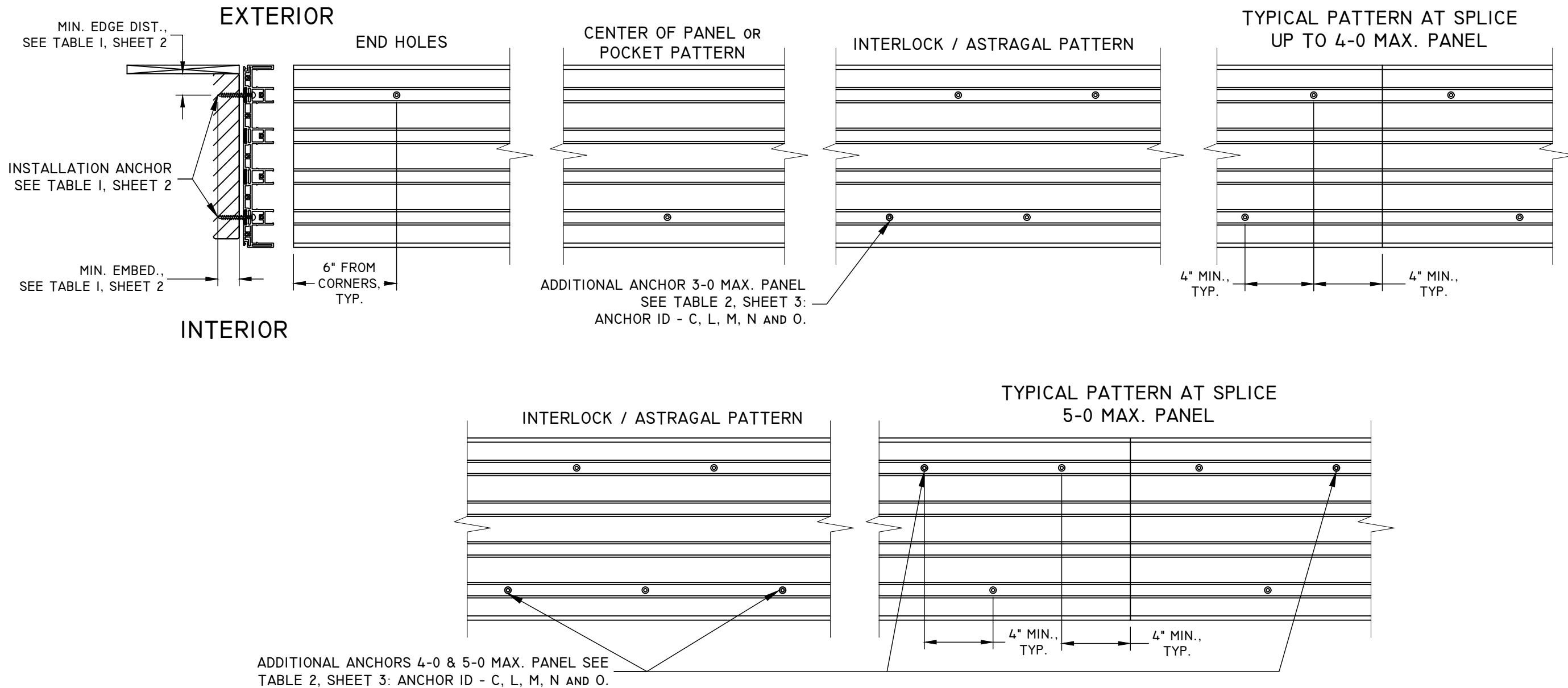
FL#: 41161

DWG #: PGW331

SHEET: 20 OF 25

4 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - HEAD

HEAD - DP50 (IMPACT)

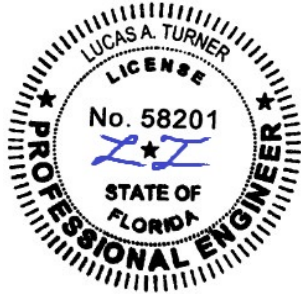


NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE 1, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. 1X WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAILS, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT		DATE	BY	REVISION DESCRIPTION
NO.	A	08.22.22	LMH	UPDATE PANEL SIZE CHART
	B	08.30.23	LMH	N22-023 ADDED TEST SIZES

DATE:	05/16/22	DWN BY:	LMH	CHK BY:	SAS	SCALE:	NTS
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09/16/2023
LUCAS A. TURNER, P.E.
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2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

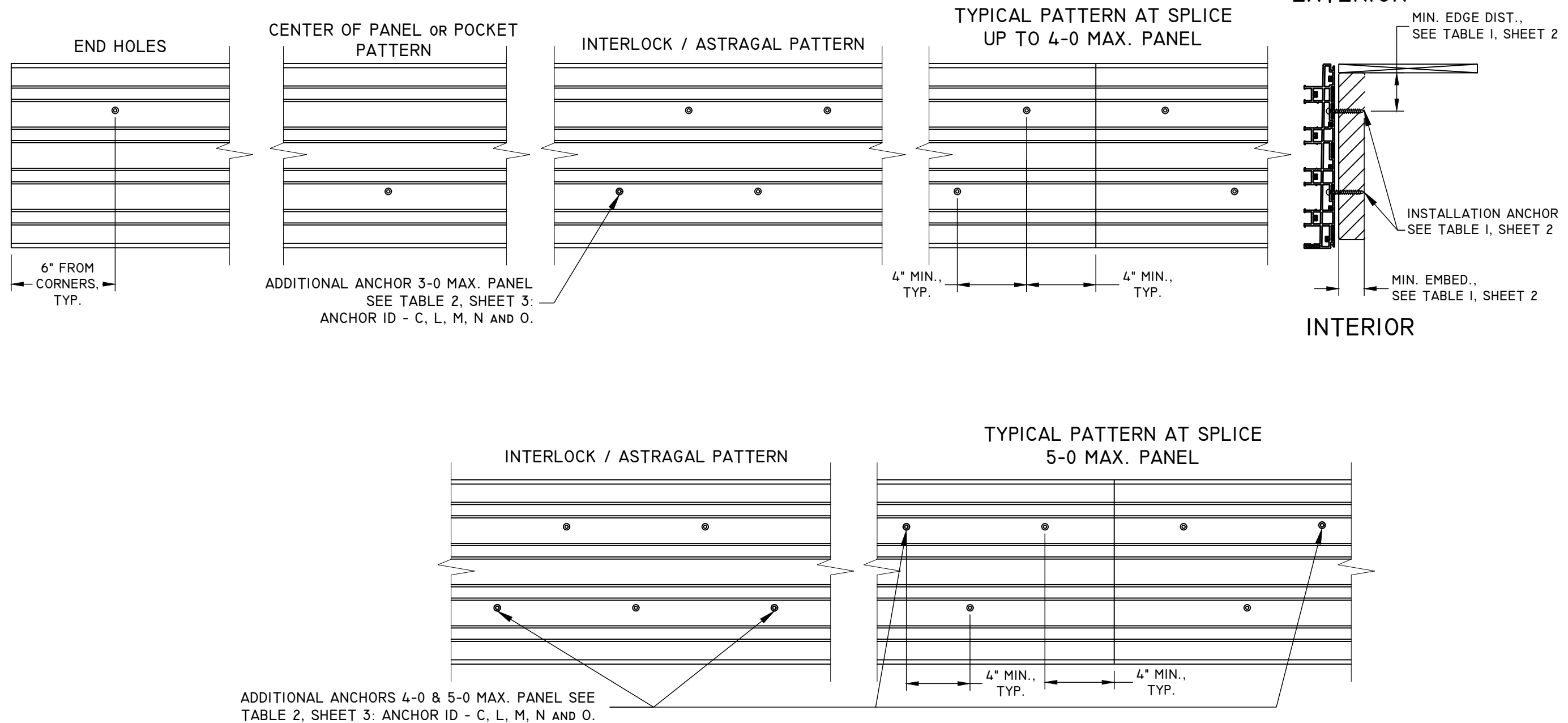
FL#: 41161

DWG #: PGW331

SHEET: 21 OF 25

4 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - SILL

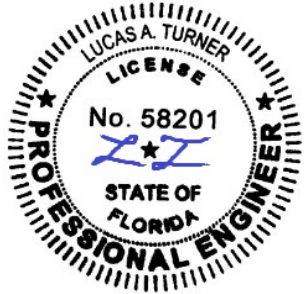
SILL - DP50 (IMPACT)



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.
5. SPLICE DETAILS, SEE SHEET 25.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	05/16/22	DATE	08.22.22
	DWN BY:	LMH	BY	LMH
	CHK BY:	SAS	REVISION DESCRIPTION	
	SCALE:	NTS	NO.	A
			B	UPDATE PANEL SIZE CHART
				N22-023 ADDED TEST SIZES



09/16/2023
LUCAS A. TURNER, P.E.
FL PE # 58201
TURNER ENGINEERING & CONSULTING, INC.
(COA # 29779)
2428 OLD NATCHEZ TRACE
TRAIL, CAMDEN, TN 38320
PH. 941-380-1574

FL#: 41161

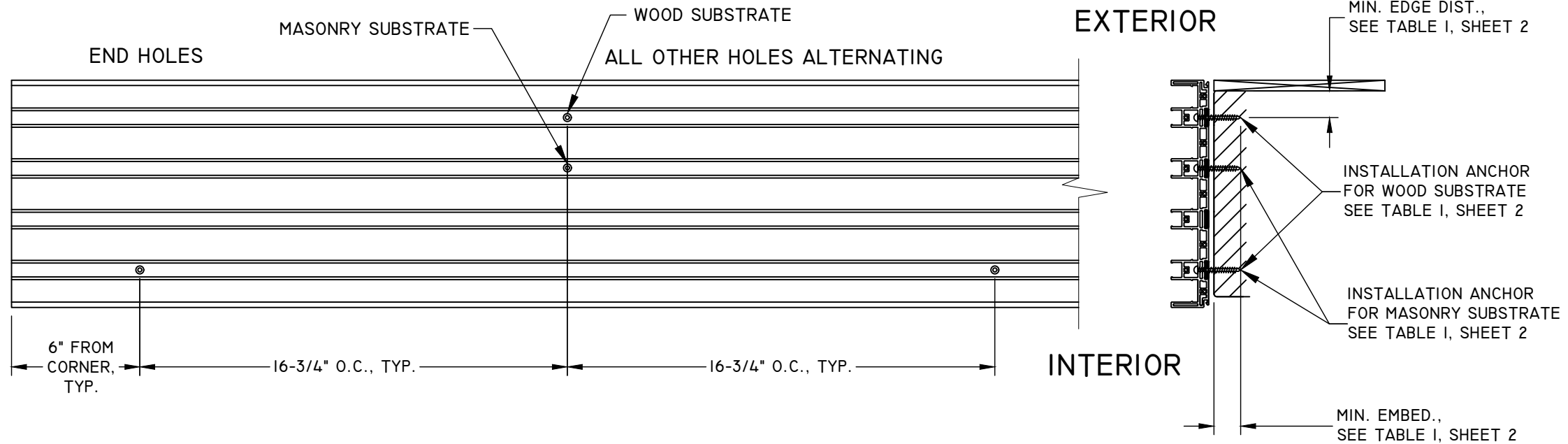
DWG #: PGW331

SHEET: 22 OF 25

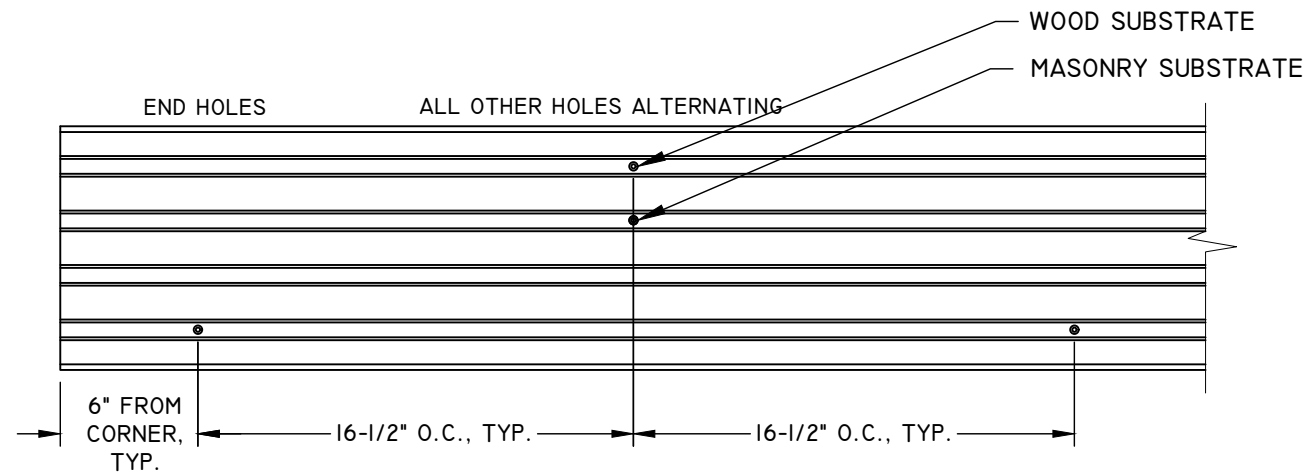
4 TRACK ANCHOR LAYOUT DETAILS BOX FRAME - JAMBS

JAMB - DP50 (IMPACT)

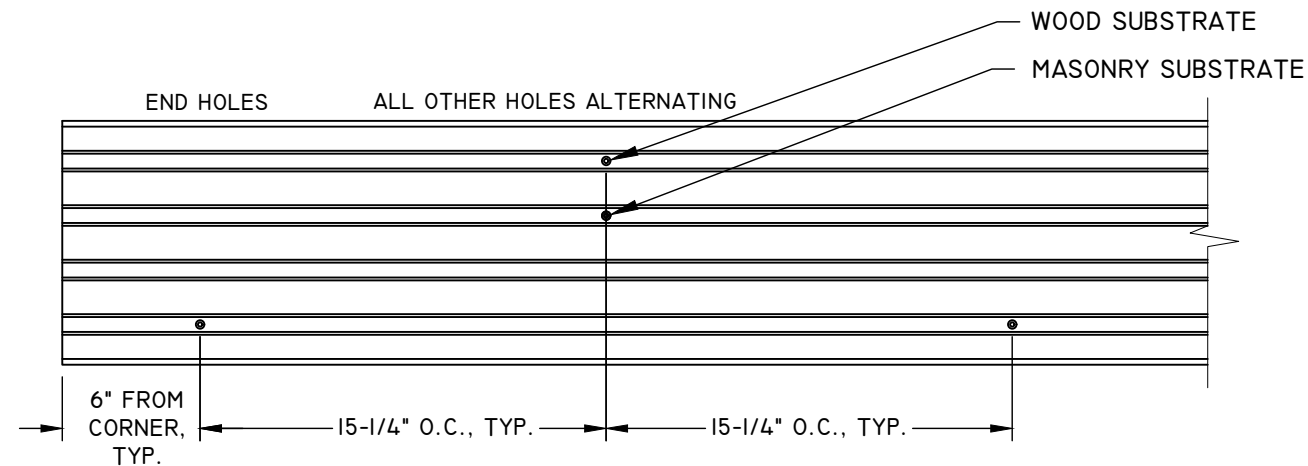
SEE TABLE I, SHEET 2:
ANCHOR ID - A, D, F, G,
H, I, J, K, P, AND Q.



SEE TABLE 2, SHEET 3:
ANCHOR ID - L, M, N, AND O.



SEE TABLE 2, SHEET 3:
ANCHOR ID - B, C, AND E.



NOTES:

1. INSTALLATION HOLES ARE FABRICATED BY MANUFACTURER.
2. SEE TABLE I, SHEET 2 OR TABLE 2, SHEET 3 FOR FASTENER MINIMUM EDGE DISTANCE, EMBEDMENT AND ON CENTER SPACING.
3. IX WOOD BUCK BY OTHERS IS OPTIONAL FOR MASONRY APPLICATIONS.
4. 1/4" MAX. SHIM STACK.

PlyGem
RESIDENTIAL SOLUTIONS
A division of Cornerstone Building Brands
433 N. MAIN ST.,
PO BOX 559,
ROCKY MOUNT, VA 24151
PH: 540-484-6348
FX: 540-484-6683

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT ANCHOR LAYOUT	DATE	08.22.22		
	BY	LMH		
REVISION DESCRIPTION	NO.	A	UPDATE PANEL SIZE CHART	
	NO.	B	N22-023 ADDED TEST SIZES	
DATE:	DWN BY:	CHK BY:	SCALE:	
05/16/22	LMH	SAS	NTS	



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SHEET: 23 OF 25

P-HOOK ANCHOR LAYOUT

DETAIL E4
P-HOOK

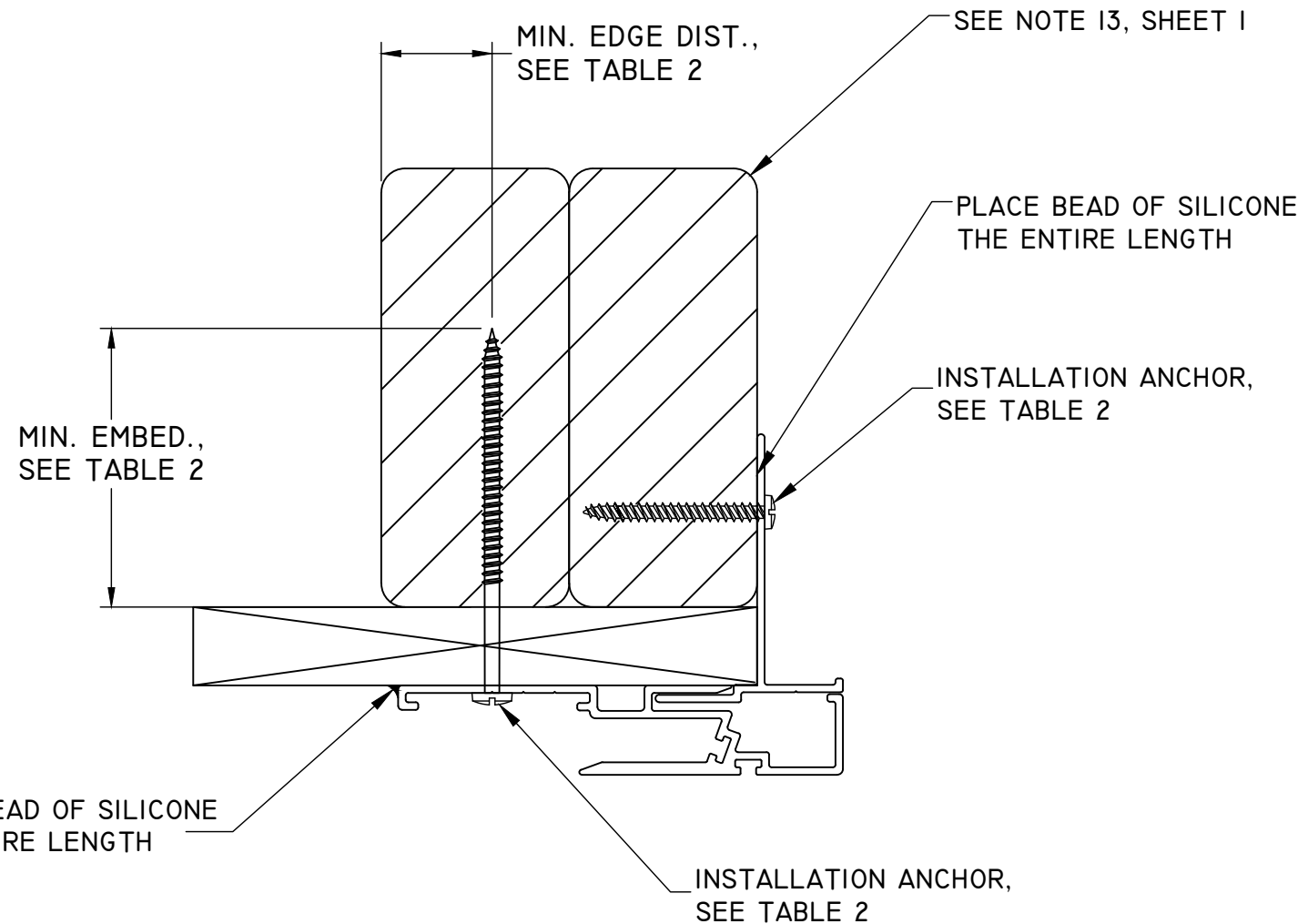
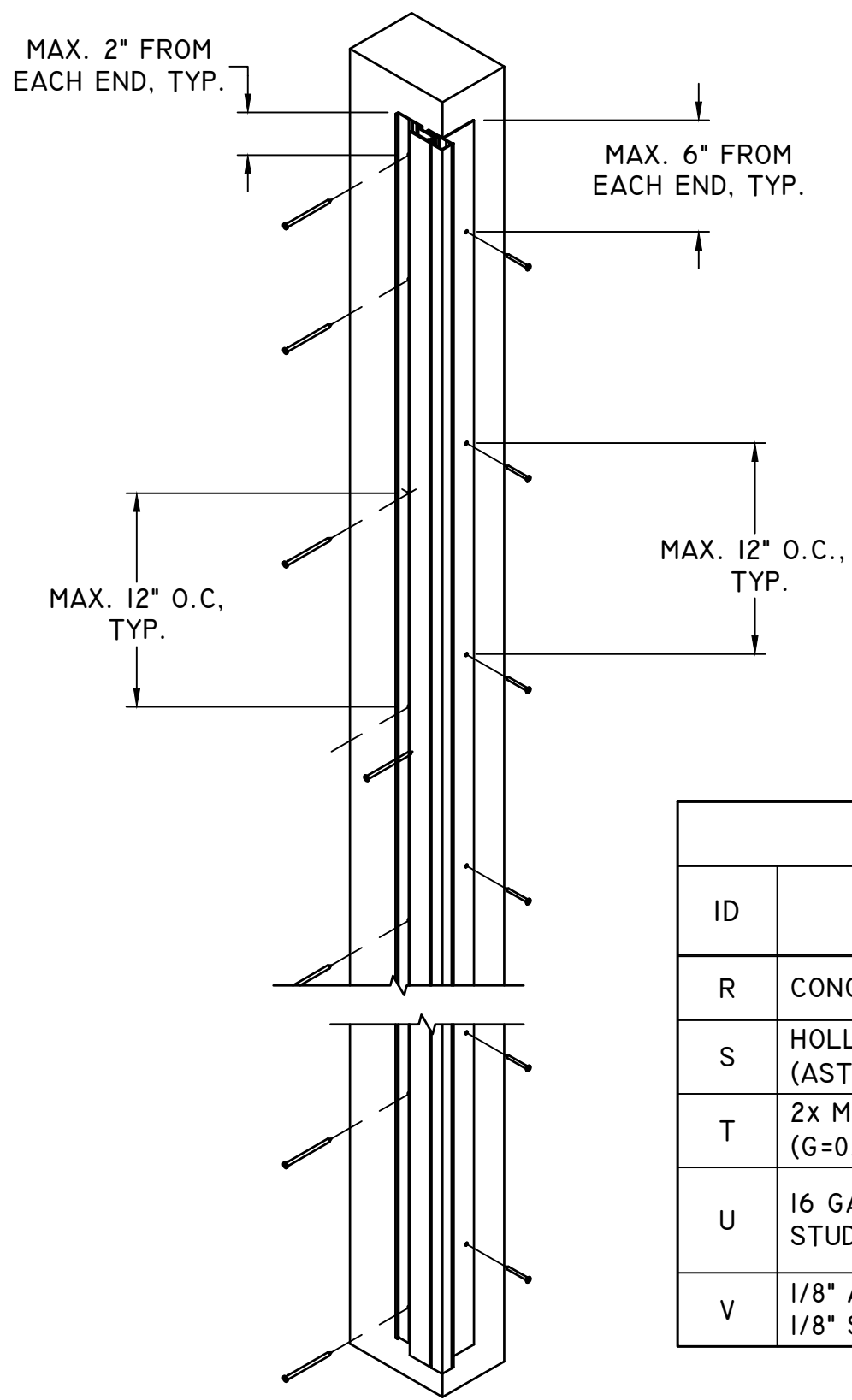
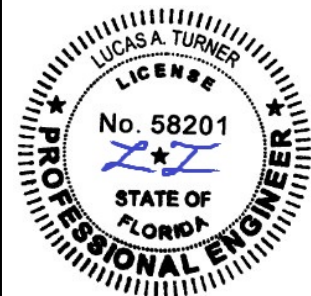


TABLE 2: P-HOOK INSTALLATION FASTENERS TABLE

ID	SUBSTRATE TYPE	ANCHOR TYPE	MIN. EDGE DISTANCE	MIN. EMBED.	MIN. ON-CENTER SPACING
R	CONCRETE (3.05 KSI MIN)	3/16" DEWALT ULTRACON+ COATED CARBON STEEL	1"	1"	3"
S	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	3/16" DEWALT ULTRACON+ COATED CARBON STEEL	1"	1-1/4"	3"
T	2x MIN. SPRUCE-PIN-FIR WOOD (G=0.42 MIN)	#8 GRADE 5 STEEL WOOD SCRW	1"	1-1/4"	3"
U	16 GAUGE (0.060") MIN. STEEL STUD, 33 KSI MIN. YIELD	#10-16 ITW-TEKS, DEWALT DRIL-FLEX, or HILTI KWIK-FLEX SELF DRILLING SCREW	1/2"	FULL PLUS 3 THREADS MIN.	3"
V	1/8" ALUM. 6063-T5 MIN. or 1/8" STEEL 33 KSI MIN.	#10-16 GRADE 5 SELF-TAPPING/DRILLING SCREW	1/2"	FULL PLUS 3 THREADS MIN.	3"

NOTES: -ALL SCREWS SHALL BE PAN OR HEX WASHER HEAD.
-PRE-DRILLING FOR ANCHORS INTO WOOD IS RECOMMENDED.
-CONCRETE/MASONRY SHALL NOT BE CRACKED.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT P-HOOK ANCHOR LAYOUT	DATE	08.22.22	08.30.23
	BY	LMH	LMH
	REVISION DESCRIPTION		
	NO.	A	B
DATE:	05/16/22	DWN BY:	LMH
		CHK BY:	SAS
		SCALE:	NTS



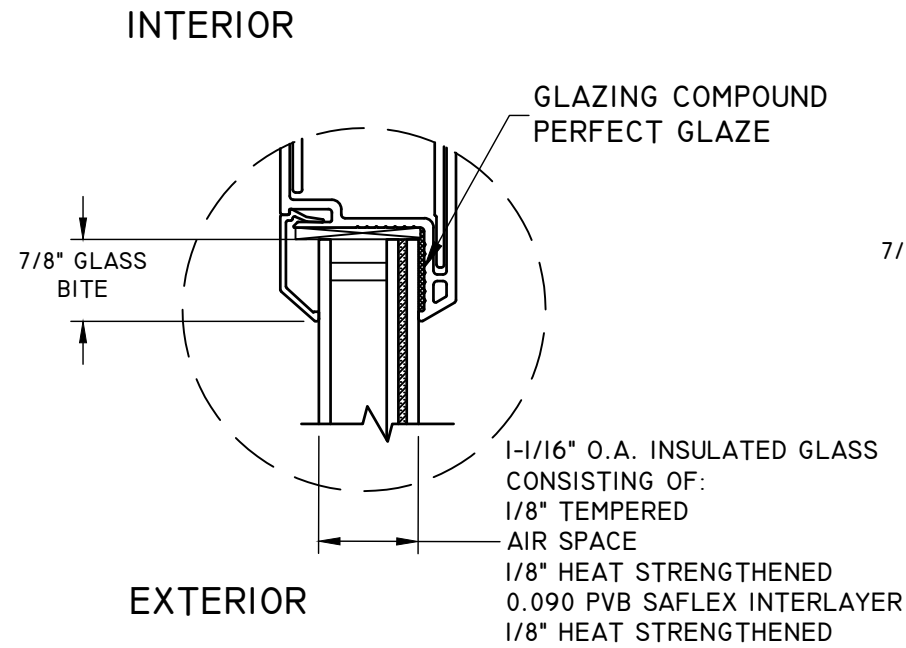
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LUCAS A. TURNER, P.E.
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FL#: **41161**

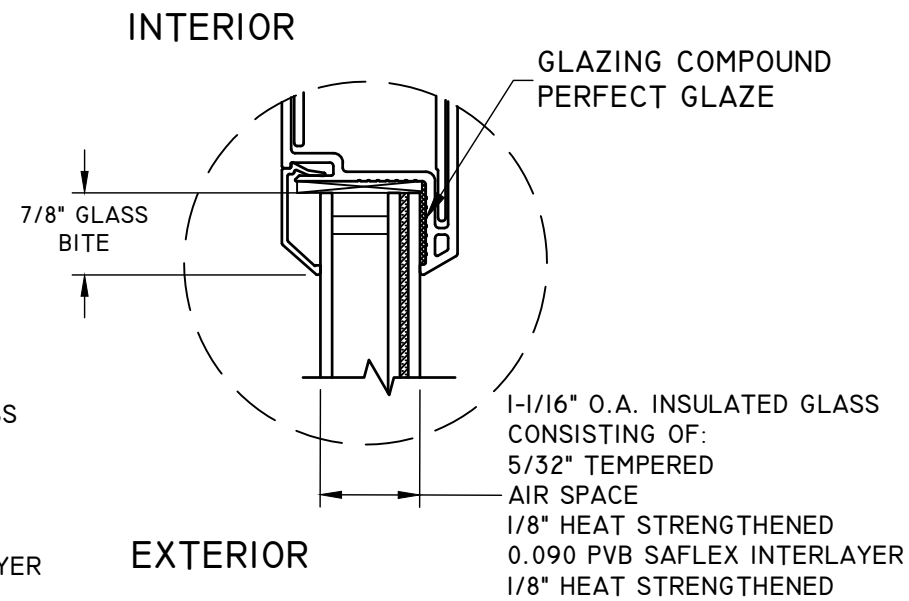
DWG #: **PGW331**

SHEET: **24** OF **25**

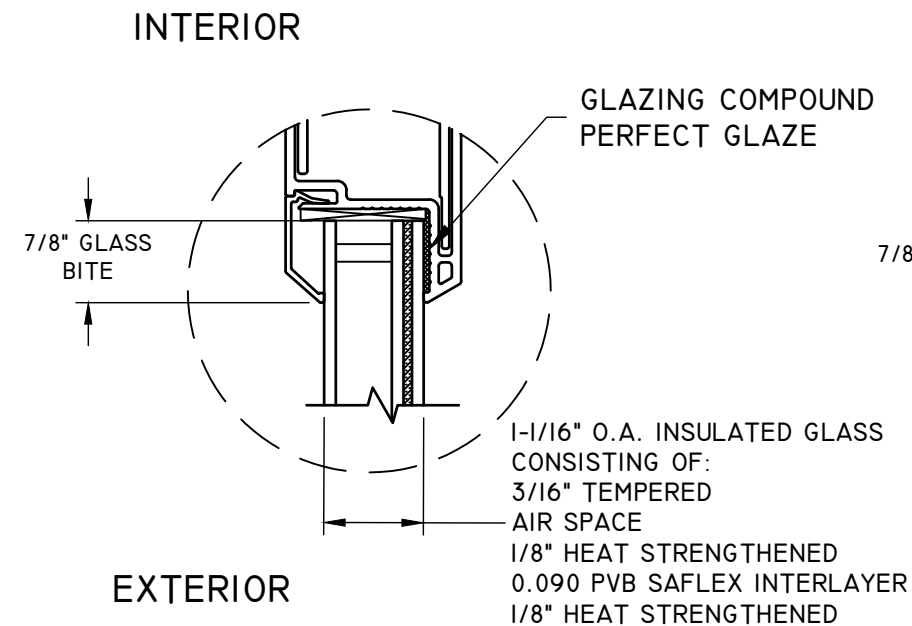
SPLICE DETAILS



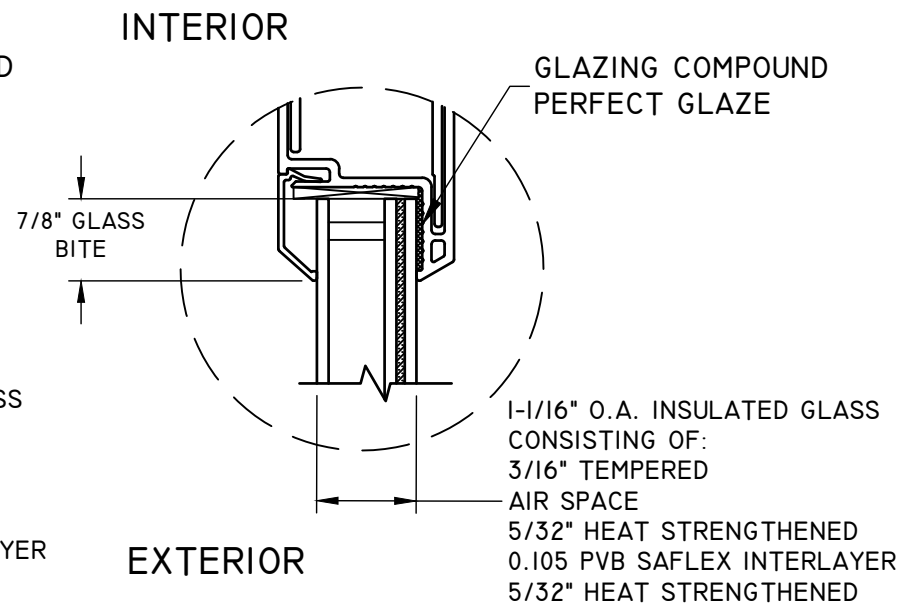
GLAZING DETAIL 1



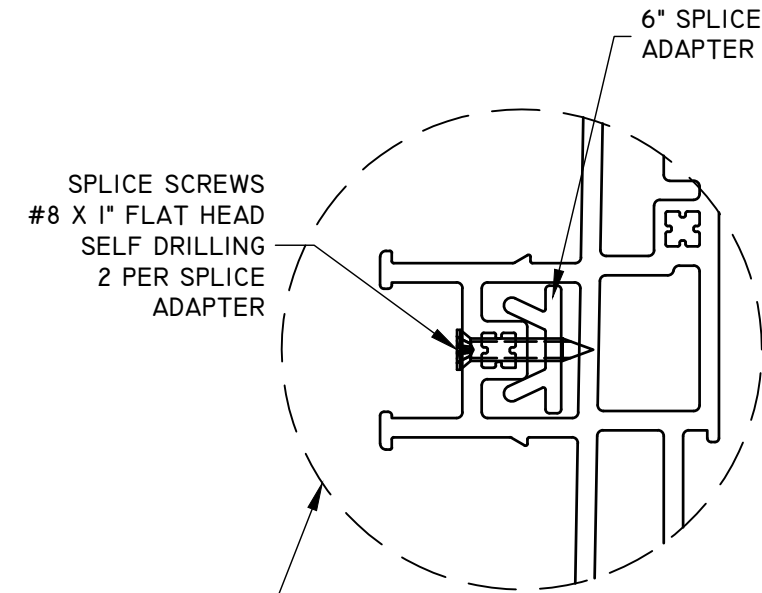
GLAZING DETAIL 2



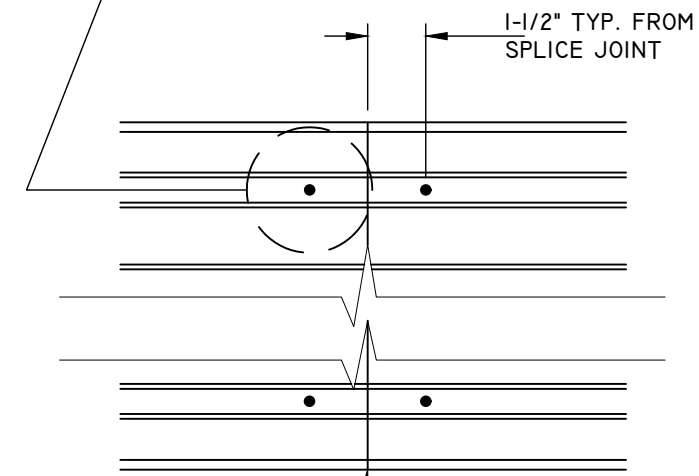
GLAZING DETAIL 3



GLAZING DETAIL 4



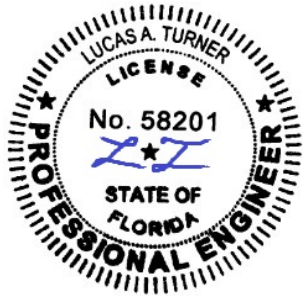
SPLICE SCREWS
#8 X 1" FLAT HEAD
SELF DRILLING
2 PER SPLICE
ADAPTER



APPLY SILICONE TO THE FACE
OF FRAME PROFILE BEFORE
CONNECTING SPLICE.

TITLE: PERSPECTIVE MULTI-SLIDE PATIO DOOR IMPACT GLAZING DETAILS & SPLICE DETAILS	DATE	08.22.22	
	BY	LMH	
	REVISION DESCRIPTION		
NO.	A	UPDATE PANEL SIZE CHART	
	B	N22-023 ADDED TEST SIZES	

DATE:	05/16/22
DWN BY:	LMH
CHK BY:	SAS
SCALE:	NTS



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DWG #: **PGW331**

SHEET: **25 OF 25**