



6000 SERIES, SLIDING PATIO DOOR,
NON-IMPACT RESISTANT,
BYPASS, SINGLE OR DOUBLE EXTERIOR POCKET,
2, 3 & 4 TRACK CONFIGURATIONS
MODELS 6200, 6300, 6400 & 6500



A. LYNN MILLER, P.E., P.E.# 58705
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GENERAL NOTES:

- 1) THIS PRODUCT HAS BEEN EVALUATED AND IS IN COMPLIANCE WITH THE FLORIDA BUILDING CODE (FBC) INCLUDING THE "HIGH VELOCITY HURRICANE ZONE" (HVHZ). SEE FL31717.
- 2) PRODUCT ANCHORS SHALL BE AS LISTED AND SPACED AS SHOWN ON DETAILS. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- 3) WHEN USED IN AREAS REQUIRING WIND BORNE DEBRIS PROTECTION, THIS PRODUCT IS REQUIRED TO BE PROTECTED WITH AN IMPACT RESISTANT COVERING THAT COMPLIES WITH FBC SECTIONS 1609.1.2, R301.2.1.2 AND 1626 (HVHZ).
- 4) FOR 2X STUD FRAMING CONSTRUCTION, ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION. 1X BUCKS ARE OPTIONAL, IF USED, INSTALLATION ANCHORS WILL GO THRU THE 1X INTO THE MASONRY CONSTRUCTION. CAN INSTALL DIRECTLY INTO MASONRY WITH A 1/4" MAX SHIM.
- 5) SITE CONDITIONS THAT DEVIATE FROM THE DETAILS OF THIS DRAWING REQUIRE FURTHER ENGINEERING ANALYSIS BY A LICENSED ENGINEER OR REGISTERED ARCHITECT.

TABLE 1: DESIGN PRESSURES

Design Pressure (+/- psf)															
Frame Height	DLO Height	DLO Width													
		33.438		39.438		43.438		46.200		47.438		49.438		51.438	
80.000	67.825	60.0	-82.8	55.5	-76.3	53.1	-73.1	51.8	-71.2	51.2	-70.5	50.4	-69.4	49.7	-68.4
84.000	71.825	56.4	-77.5	51.8	-71.2	49.5	-68.0	48.1	-66.2	47.6	-65.4	46.8	-64.3	46.1	-63.3
88.000	75.825	53.0	-72.9	48.6	-66.8	46.3	-63.6	44.9	-61.8	44.4	-61.1	43.6	-60.0		
92.000	79.825	50.0	-68.8	45.7	-62.9	43.5	-59.8	42.2	-58.0	41.6	-57.2				
95.500	83.325	47.7	-65.6	43.5	-59.8	41.3	-56.8	40.0	-55.0						

IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED.

TABLE 3: INSTALLATION ANCHORS

Anchor Type	Substrate	Min. Embedment	Min. Edge Distance	Min. On Center
1/4" Elco Ultracon and Ultracon+	Concrete/CMU	1-3/8"	1-1/8"	4"
#10 SMS	Wood	1-3/8"	1-1/8"	1"
#10 SMS	Steel Stud	.056"	5/8"	1"

ANCHOR NOTES:

- 1) CONCRETE ANCHOR LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS.
- 2) CONCRETE ANCHOR LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS, ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE THE "MAX. ON CENTER" DIMENSION IS NOT EXCEEDED.
- 3) SHEET METAL SCREWS MUST PENETRATE A MIN. OF 3 THREADS THRU THE STEEL STUD.

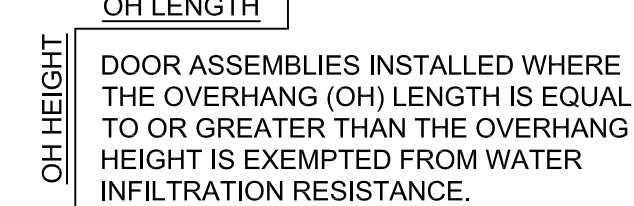
TABLE 2: SILL RISER POS. (+) DP

Water-Limited (+) Design Pressure		
Sill Riser	Sill Height	Max. (+) DP Allowed
None	1.688"	See Note B
Standard	2.81"	+50.0 psf
High Dam	4"	+60.0 psf

NOTES:

- A) IF WATER INFILTRATION RESISTANCE IS REQUIRED, THE LESSER VALUES OF EITHER TABLE 1 AND TABLE 2 DETERMINES THE WATER LIMITED (+) DP.
- B) IF WATER INFILTRATION RESISTANCE IS NOT REQUIRED OR OVERHANG IS PER FIG 1, A SILL RISER IS NOT REQUIRED. IF SO, +DP'S SHOWN IN TABLE 1 MAY BE USED.

FIG 1



DOOR ASSEMBLIES INSTALLED WHERE THE OVERHANG (OH) LENGTH IS EQUAL TO OR GREATER THAN THE OVERHANG HEIGHT IS EXEMPTED FROM WATER INFILTRATION RESISTANCE.

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6000 SERIES SLIDING GLASS DOOR

GENERAL NOTES, DESIGN PRESSURES, AND ANCHORS

DOERS WINDOW MANUFACTURING, LLC.
10741 CROSSROADS COMMERCE BLVD.
TAMPA, FL 33610

BY: EK

REVISION: FBC 2020 UPDATES
DOUBLE POCKETS & CONFIGS.

DATE: 10/15/20

#: A

DATE: 04/08/2020

SCALE: NTS

BY: E KOSS

DRAWING # : SGD6000NI - 56"

SHEET: 1 OF 9

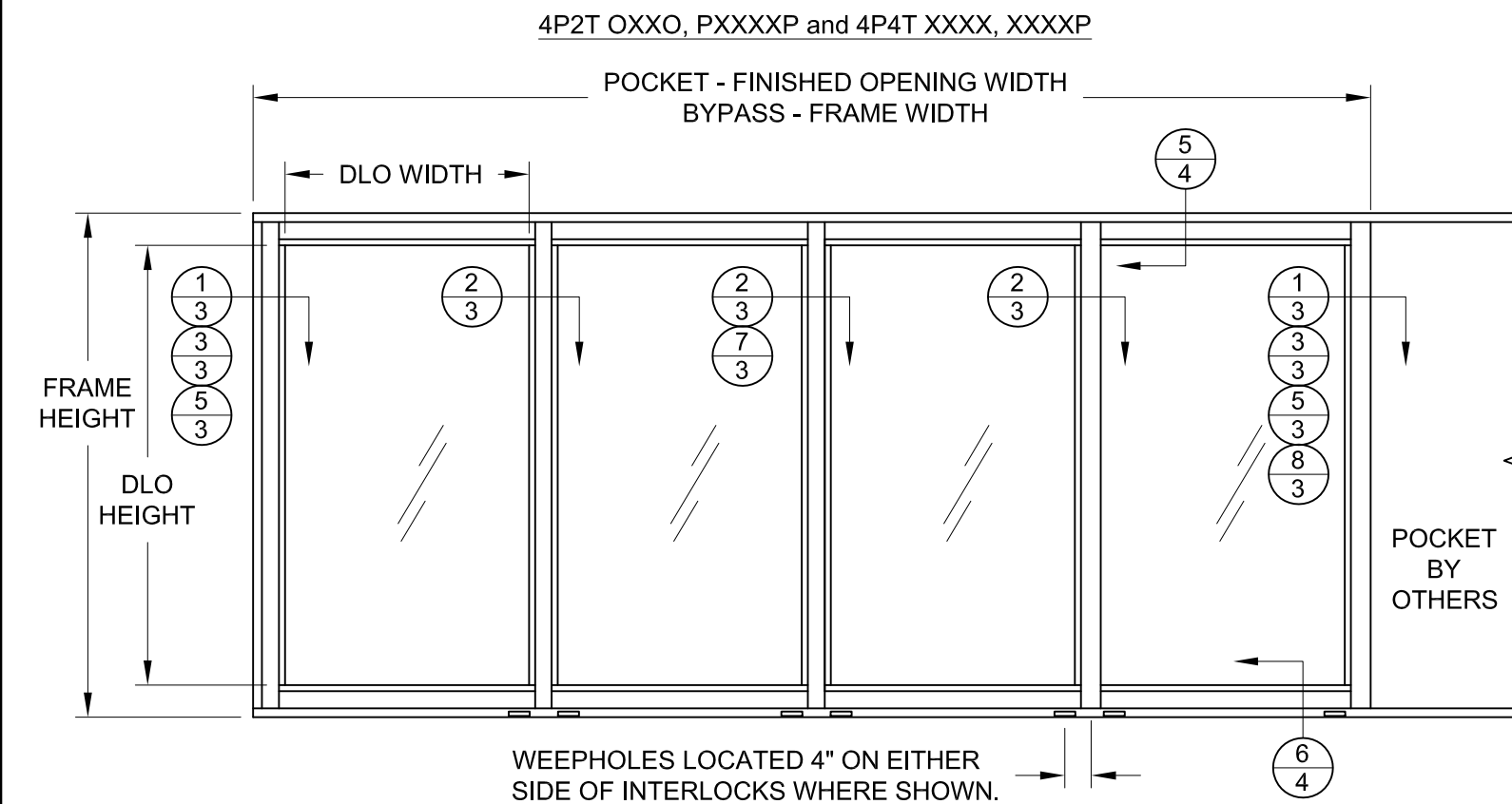
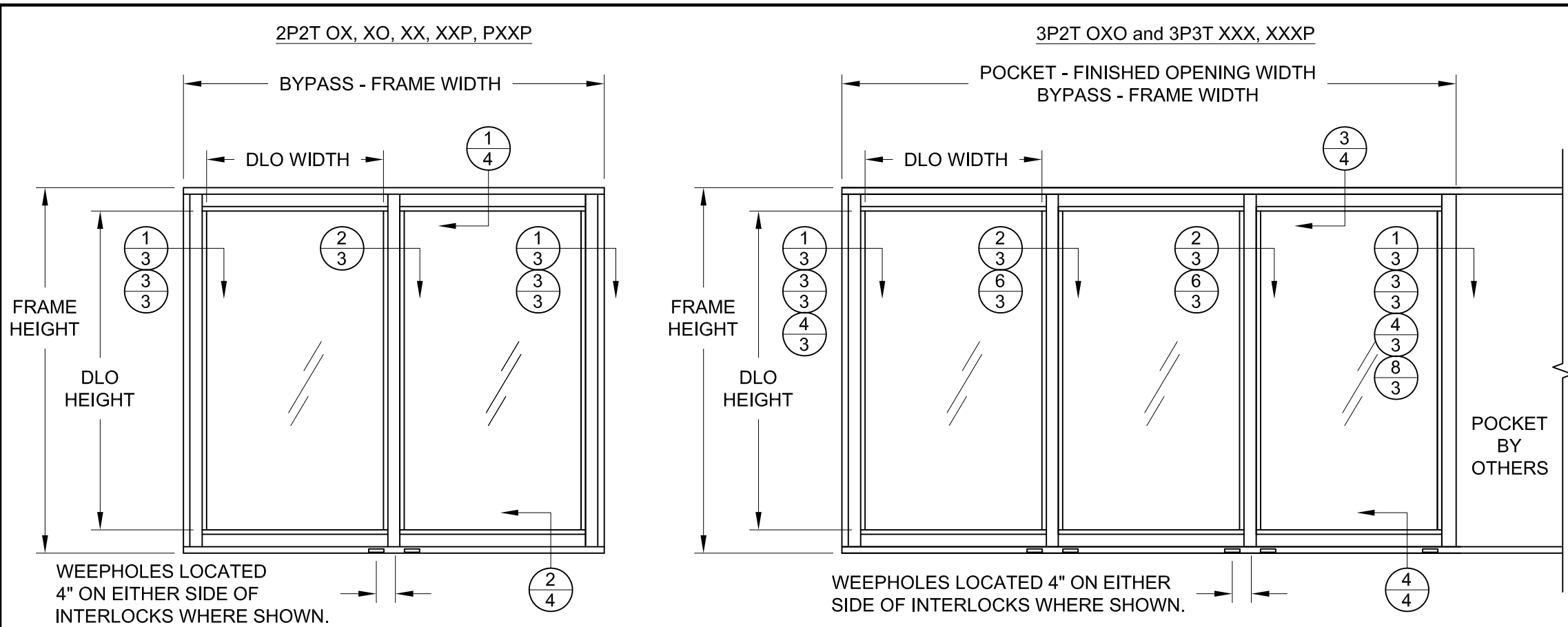


TABLE 3: PANEL DLO, FRAME/FINISHED OPENING WIDTHS

Configuration	Finished Frame Width (in)						
	DLO Width						
	33.438	39.438	43.438	46.201	47.438	49.438	51.438
1P2T XP	39.58	45.58	49.58	52.34	53.58	55.58	57.58
2P2T XO, OX, XX	84.00	96.00	104.00	109.53	112.00	116.00	120.00
2P2T XXP	77.98	89.98	97.98	103.50	105.98	109.98	113.98
2P2T PXXP	77.50	89.50	97.50	103.02	105.50	109.50	113.50
3P2T OXO	128.32	146.32	158.32	166.60	170.32	176.32	182.32
3P3T XXX	122.40	140.40	152.40	160.69	164.40	170.40	176.40
3P3T XXXP	116.38	134.38	146.38	154.66	158.38	164.38	170.38
4P2T OX XO	166.34	190.34	206.34	217.39	222.34	230.34	238.34
4P2T PXXXP	154.29	178.29	194.29	205.34	210.29	218.29	226.29
4P4T XXXX	160.80	184.80	200.80	211.85	216.80	224.80	232.80
4P4T XXXXP	154.78	178.78	194.78	205.83	210.78	218.78	226.78

CONFIGURATION NOTES:

1) SINGLE EXTERIOR POCKET CAN BE EITHER LEFT OR RIGHT.

2) POCKET WALL OR CAVITY IS NOT PART OF THIS APPROVAL AND IS TO BE DESIGNED BY OTHERS AND REVIEWED BY THE AUTHORITY HAVING JURISDICTION.

ANTHONY LYNN MILLER

LICENSE

No. 58705

10/16/2020

STATE OF FLORIDA

PROFESSIONAL ENGINEER

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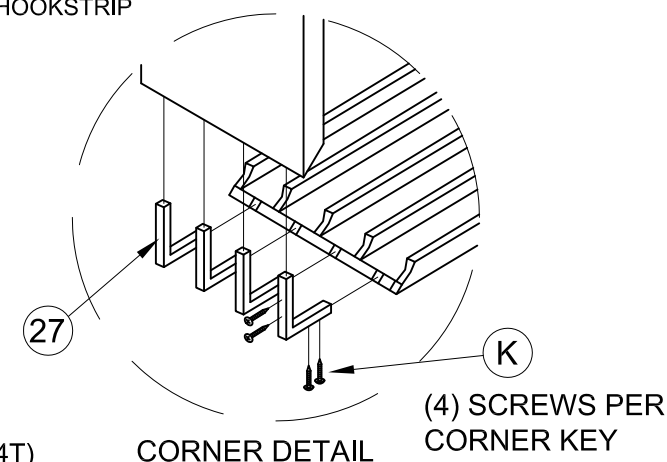
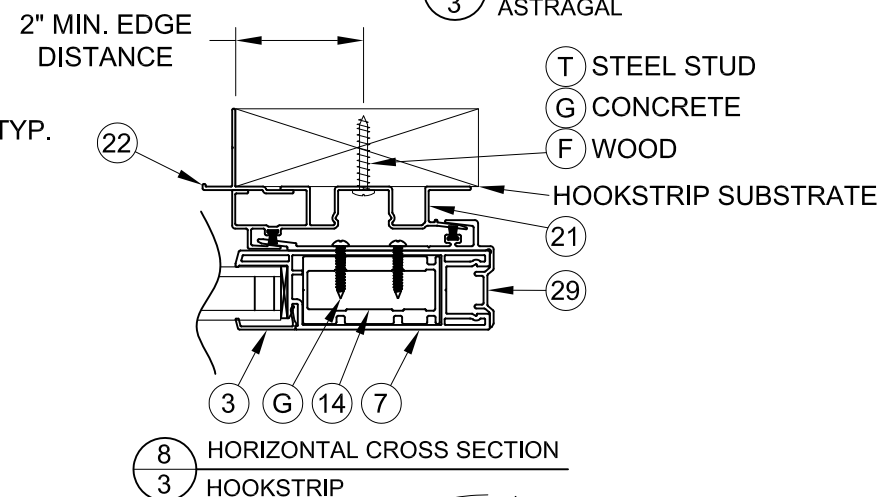
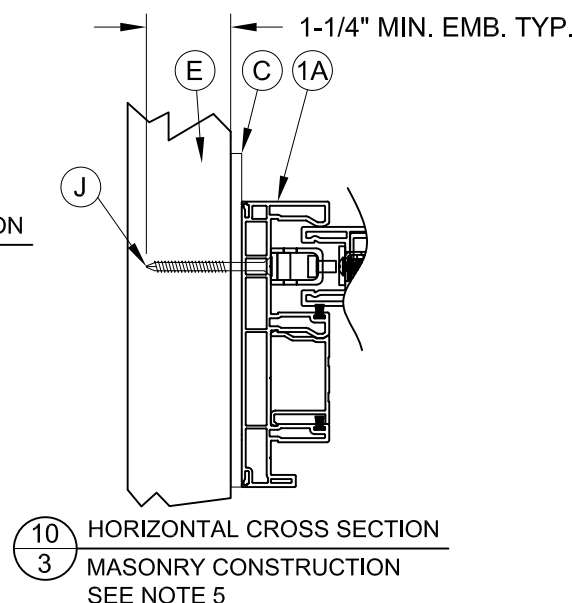
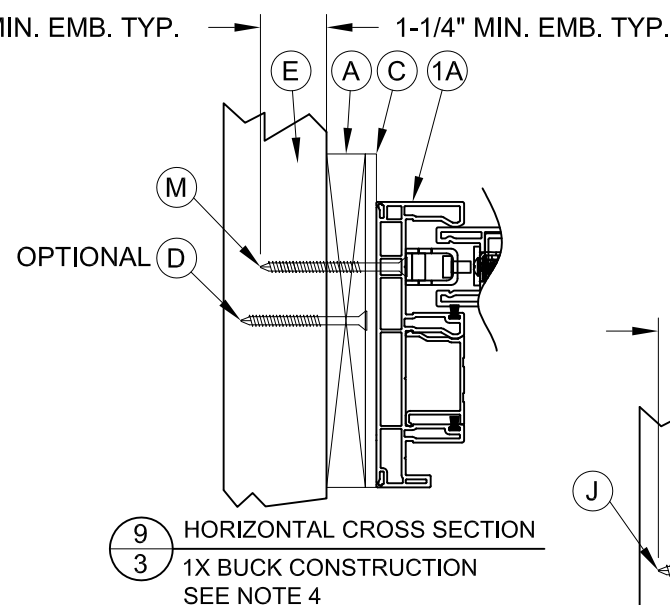
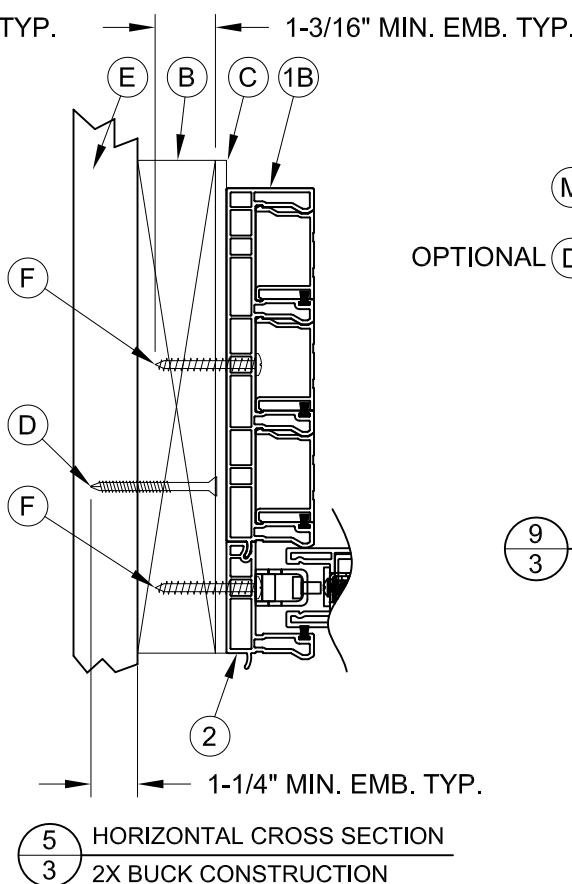
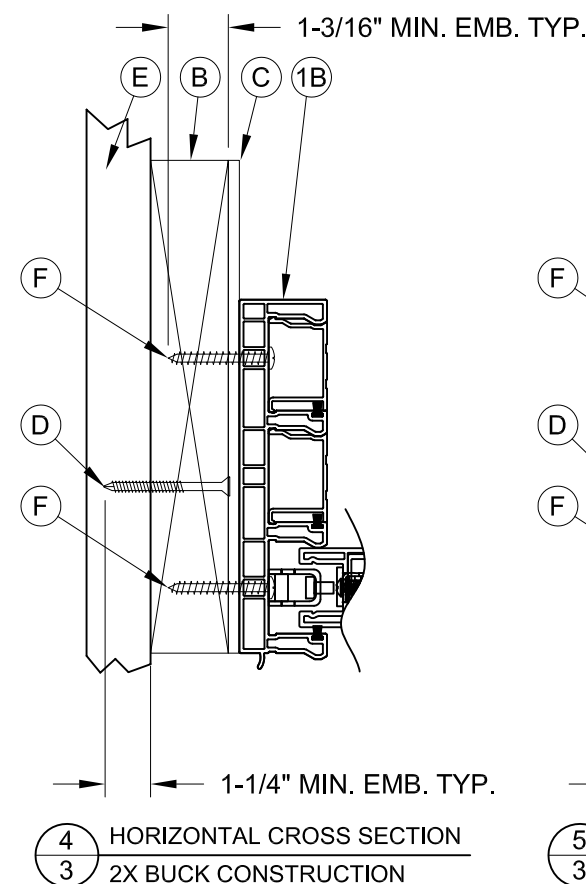
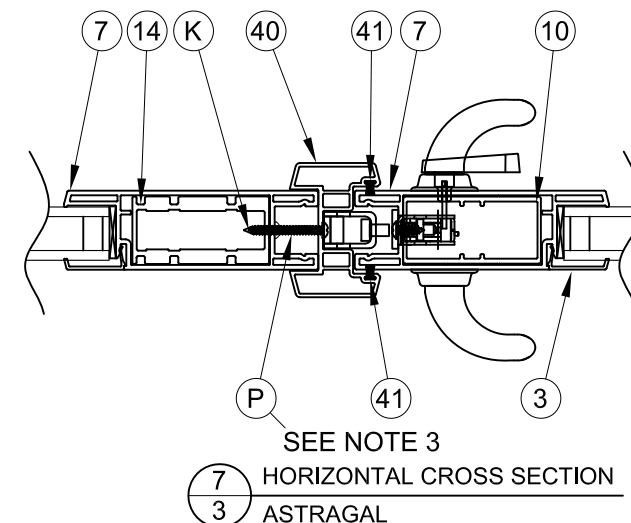
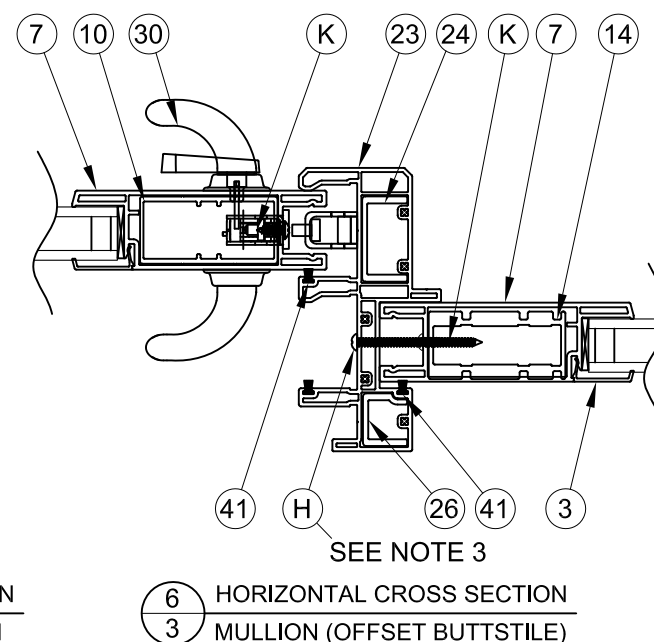
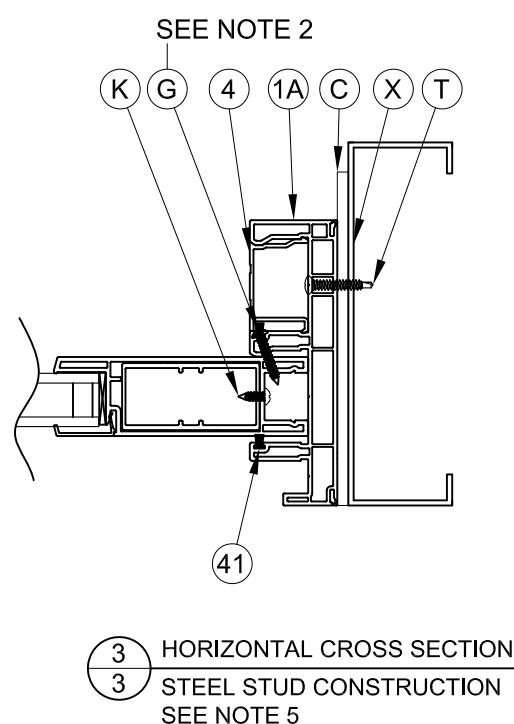
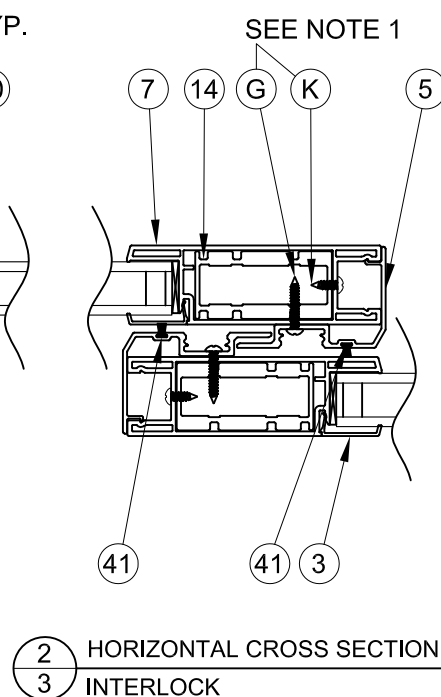
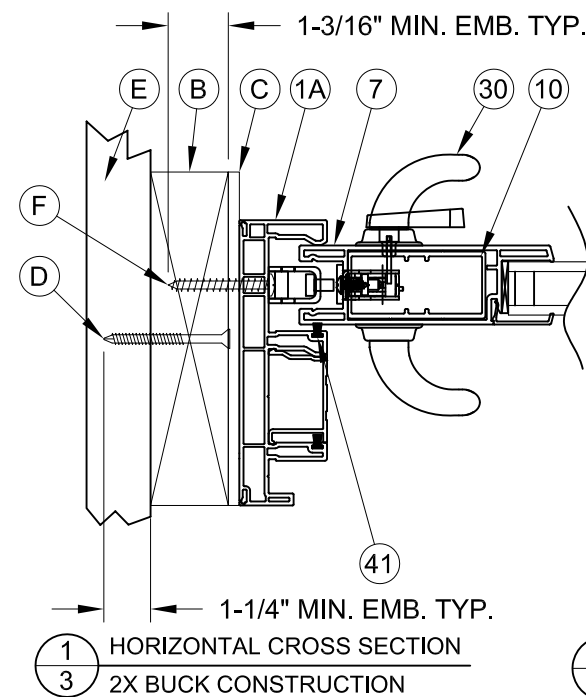
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CONFIGURATIONS AND SIZING				EK		
				FBC 2020 UPDATES		
				DOUBLE POCKETS & CONFIGS.		
DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610						
DATE: 04/08/2020						
SCALE: NTS						
BY: E KOSS						
DRAWING # : SGD6000NI - 56"						
SHEET: 2 OF 9						

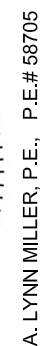
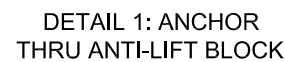
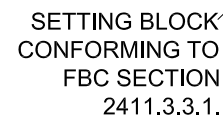


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6000 SERIES SLIDING GLASS DOOR		BY:	EK	REVISION:	DATE:	#:
HORIZONTAL SECTIONS, CORNER KEY DETAIL				FBC 2020 UPDATES	10/15/20	A
DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610				DOUBLE POCKETS & CONFIGS.		
					DATE:	
					SCALE:	
					BY:	
					DRAWING #:	
					SHEET:	

NOTES:

- 1) INTERLOCK REINFORCEMENT SCREWS, G & K, ARE LOCATED 3" FROM EACH END THEN 14.5" ON CENTER.
- 2) FIXED PANEL IN JAMB SCREWS, G, ARE LOCATED 8" FROM EACH END AND THEN 4 MORE EQUALLY SPACED (6 TOTAL)
- 3) FIXED PANEL IN MULLION SCREWS, H, AND FIXED PANEL IN ASTRAGAL SCREWS, P, ARE LOCATED 6" FROM EACH END AND THEN 12" ON CENTER.
- 4) FOR INSTALLATION INTO 1X BUCK CONSTRUCTION, BUCK TO CONCRETE ANCHORS (IF USED) MUST BE AT LEAST 4" FROM PRODUCT INSTALLATION ANCHORS THRU 1X BUCK INTO MASONRY AND FOLLOW MASONRY ANCHOR REQUIREMENTS FROM TABLE 3. APPLIES TO ALL FRAMES.
- 5) STEEL STUD AND DIRECT TO MASONRY APPLIES TO ALL FRAMES - SEE SECTIONS ABOVE AND SHEETS 6-8 FOR ANCHORAGE FOR EACH FRAME TYPE. (2T, 3T, 4T)

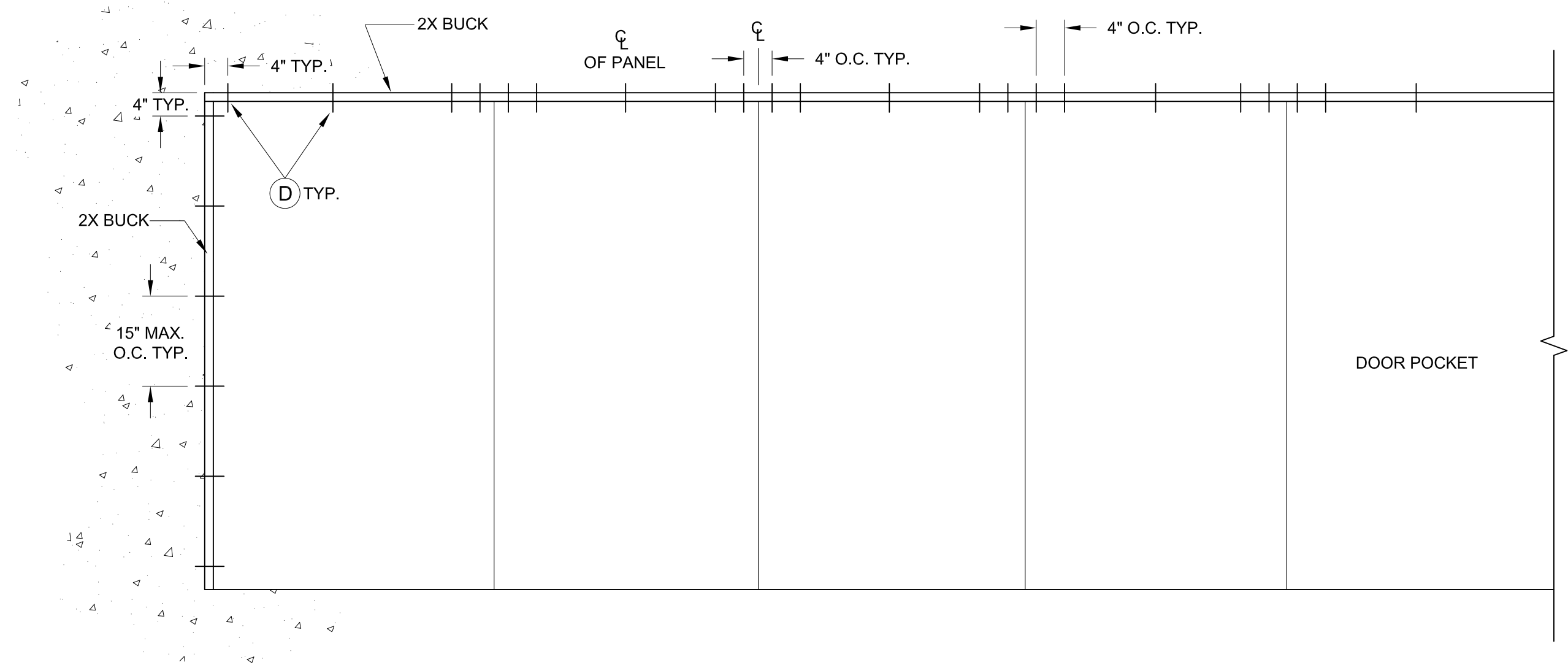


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DATE: 04/08/2020 SCALE: NTS BY: E KOSS DRAWING # : SGD6000NI - 56" SHEET: 4 OF 9	#:	DATE:	REVISION:	BY:	6000 SERIES SLIDING GLASS DOOR VERTICAL SECTIONS, GLAZING DETAIL DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA FL 33610
	A	10/15/20	FBC 2020 UPDATES	EK	
			DOUBLE POCKETS & CONFIGS.		

MASONRY OPENING



BUCK ANCHORAGE DETAIL

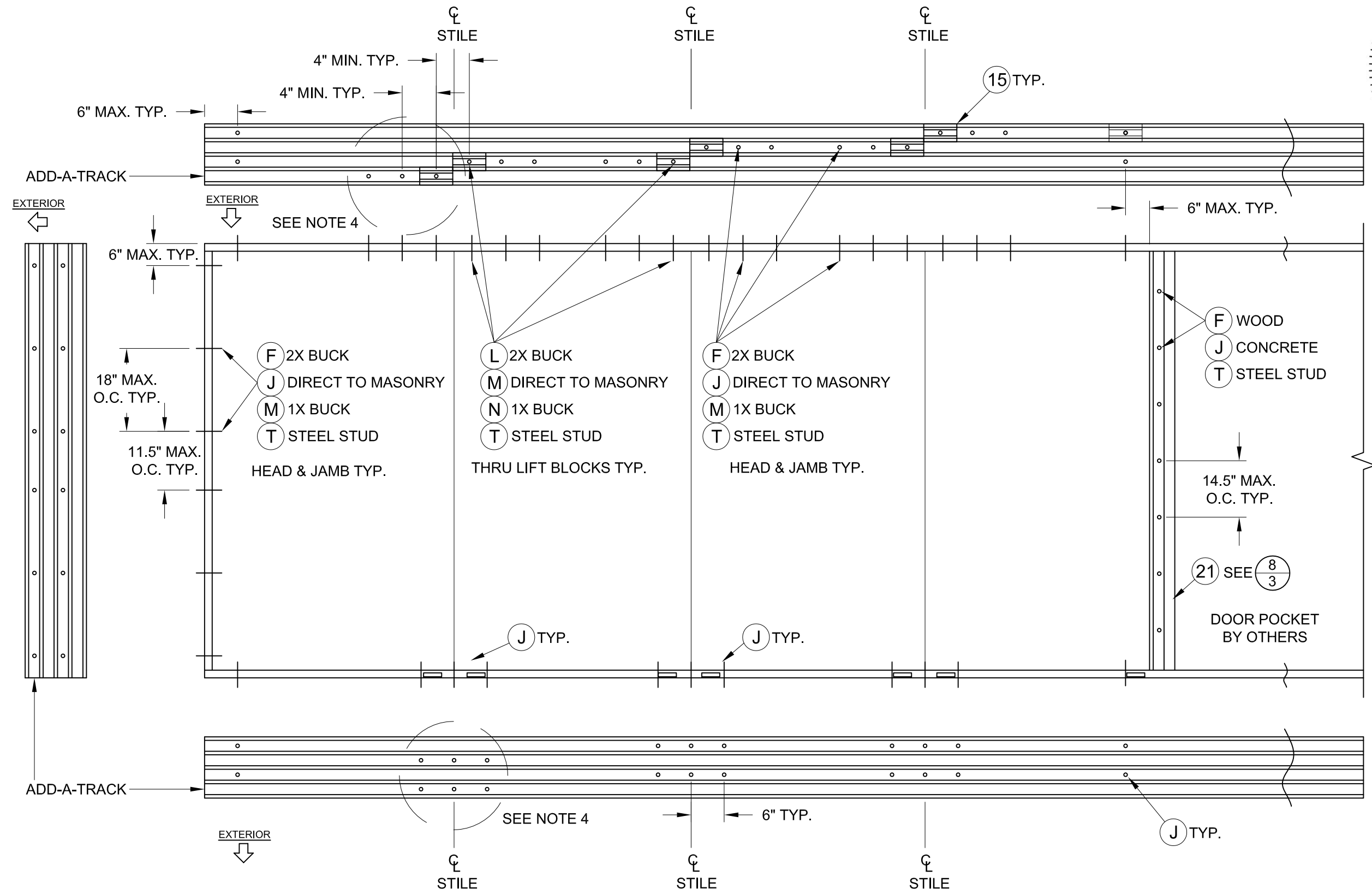
NOTE:

1) 1X BUCK CONSTRUCTION, BUCK TO CONCRETE ANCHORS (IF USED) MUST BE AT LEAST 4" FROM PRODUCT INSTALLATION ANCHORS THRU 1X BUCK INTO MASONRY AND FOLLOW MASONRY ANCHOR REQUIREMENTS FROM TABLE 3.



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6000 SERIES SLIDING GLASS DOOR		BY:	6000 SERIES SLIDING GLASS DOOR		
BUCK ANCHORING		EK	BUCK ANCHORING		
DOERS WINDOW MANUFACTURING, LLC.			DOERS WINDOW MANUFACTURING, LLC.		
10741 CROSSROADS COMMERCE BLVD.			10741 CROSSROADS COMMERCE BLVD.		
TAMPA, FL 33610			TAMPA, FL 33610		
DATE:	10/15/20	REVISION:	FBC 2020 UPDATES	BY:	EK
#:	A		DOUBLE POCKETS & CONFIGS.		
DATE: 04/08/2020					
SCALE: NTS					
BY: E KOSS					
DRAWING # :					
SGD6000NI - 56"					
SHEET: 5 OF 9					

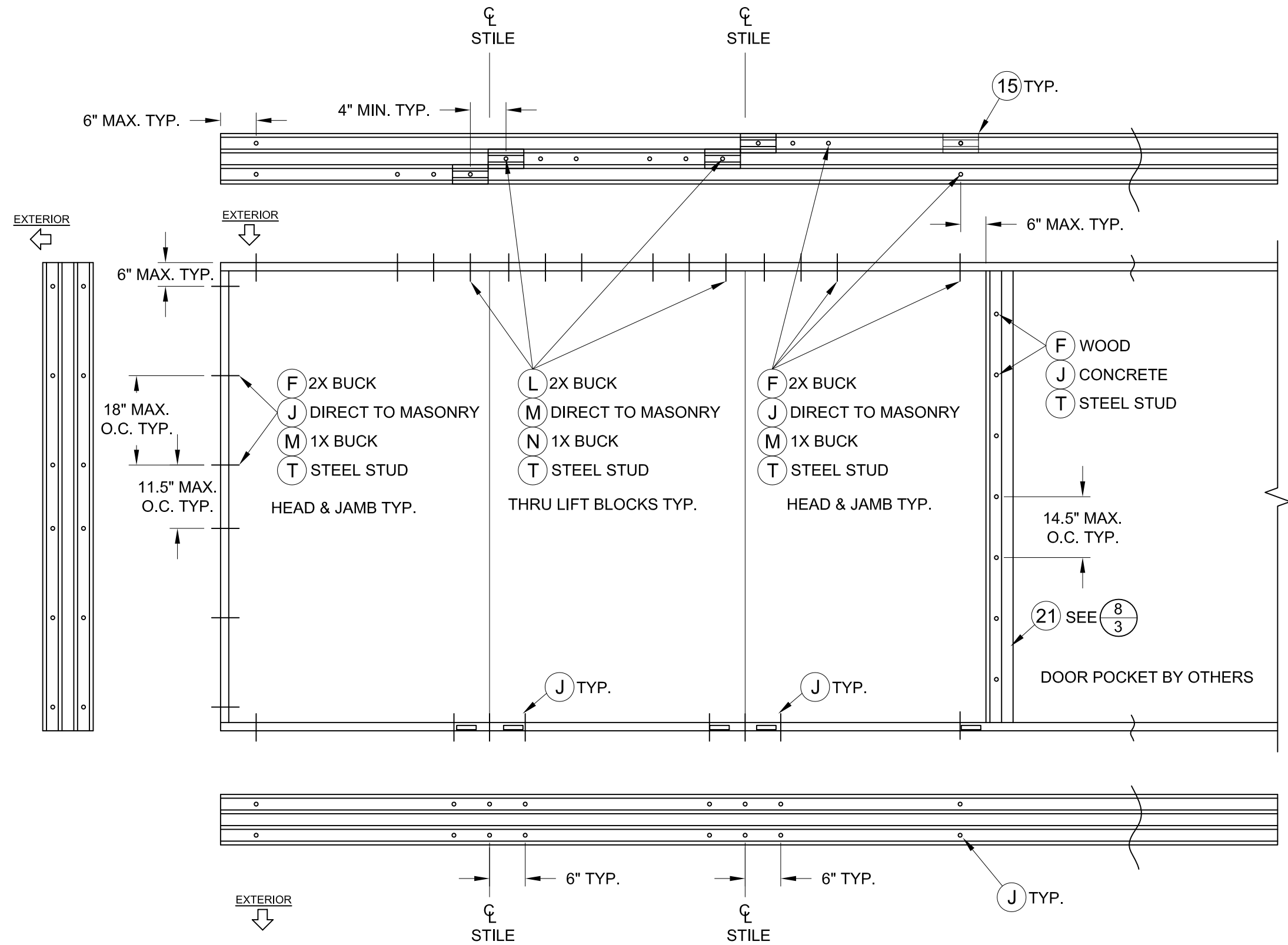


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- NOTES:
- 1) ANTI-LIFT BLOCKS (ITEM #15) REQ'D ABOVE ALL ACTIVE PANELS (X).
 - 2) STAGGER ANCHORS ABOUT INTERLOCK CENTERLINES - MIN. 4" O.C., ANCHOR THRU ANTI-LOCK BLOCKS AT HEAD.
 - 3) FOR BYPASS ANCHORAGE, DISMISS THE CLUSTERS NEAR THE POCKET (SHOWN ON RIGHT) AND REPLACE WITH END CLUSTERS (SHOWN ON LEFT)
 - 4) CLUSTER ANCHORS MUST GO THRU THE ADD-A-TRACK WHEN THERE IS AN OPERABLE PANEL PRESENT IN THE ADD-A-TRACK.

FRAME ANCHORAGE DETAIL
4T SLIDING GLASS POCKET DOOR

6000 SERIES SLIDING GLASS DOOR				BY:	
4T FRAME ANCHORING				EK	



- NOTES:
- 1) ANTI-LIFT BLOCKS (ITEM #15) REQ'D ABOVE ALL ACTIVE PANELS (X).
 - 2) STAGGER ANCHORS ABOUT INTERLOCK CENTERLINES - MIN. 4" O.C., ANCHOR THRU ANTI-LOCK BLOCKS AT HEAD.
 - 3) FOR BYPASS ANCHORAGE, DISMISS THE CLUSTERS NEAR THE POCKET (SHOWN ON RIGHT) AND REPLACE WITH END CLUSTERS (SHOWN ON LEFT)

FRAME ANCHORAGE DETAIL
3T SLIDING GLASS POCKET DOOR

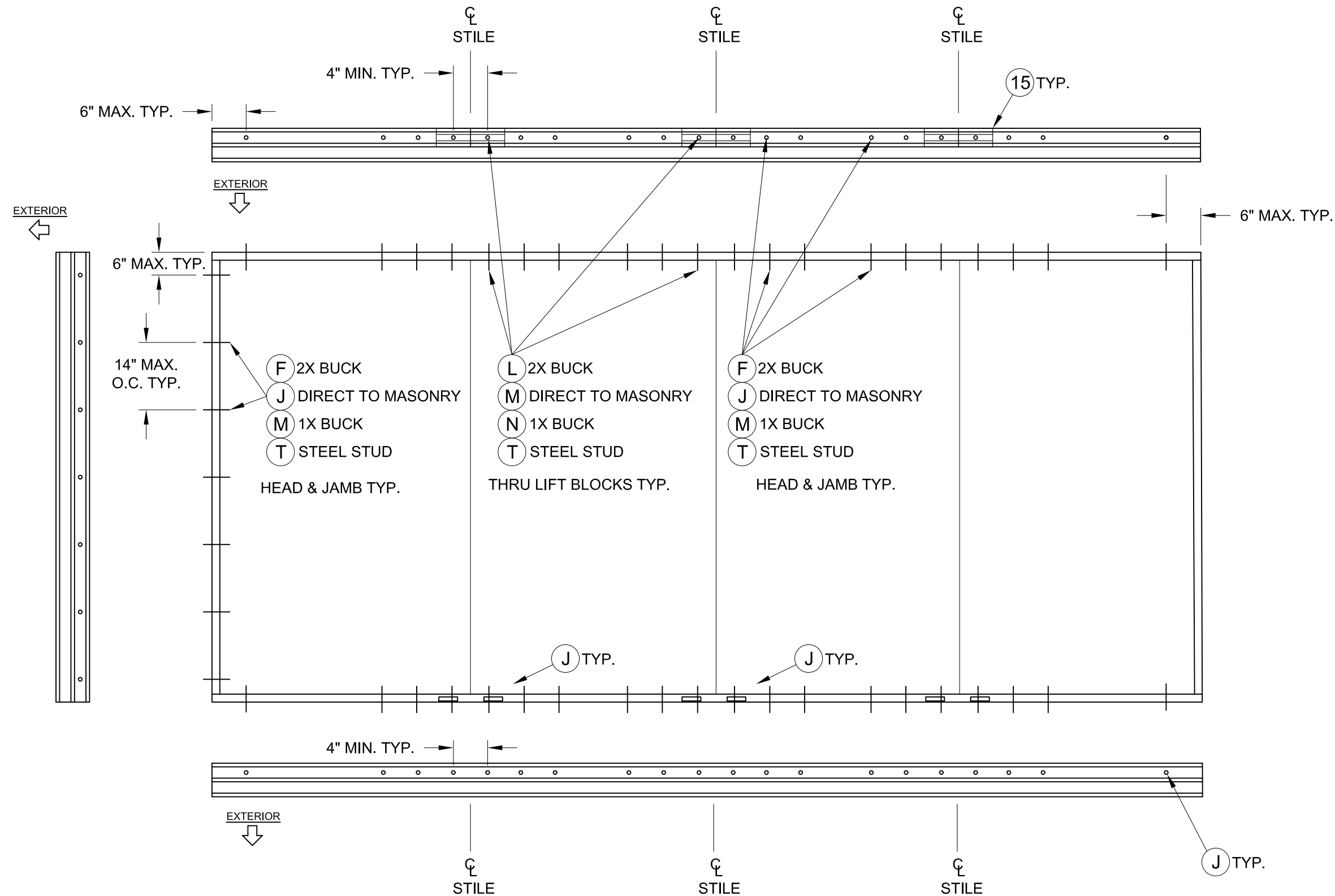


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6000 SERIES SLIDING GLASS DOOR		BY:	EK
3T FRAME ANCHORING		REVISION:	FBC 2020 UPDATES
DOERS WINDOW MANUFACTURING, LLC. 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610		DATE:	10/15/20
		#:	A
		DATE: 04/08/2020	
		SCALE: NTS	
		BY: E KOSS	
		DRAWING # : SGD6000NI - 56"	
		SHEET: 7 OF 9	



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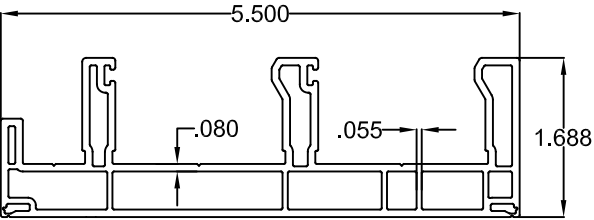


NOTES:
1) ANTI-LIFT BLOCKS (ITEM #15) REQ'D ABOVE ALL ACTIVE PANELS (X).
2) OXXO SHOWN, ANCHORAGE SIMILAR FOR OXO, OX AND XO.

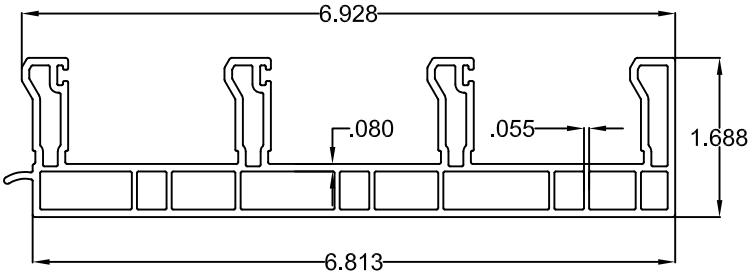
FRAME ANCHORAGE DETAIL
2T SLIDING GLASS POCKET DOOR

6000 SERIES SLIDING GLASS DOOR		BY:	EK	
2T FRAME ANCHORING		DATE:	10/15/20	
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		#:	A	
			DOUBLE POCKETS & CONFIGS.	
		DATE:	04/08/2020	
		SCALE:	NTS	
		BY:	E KOSS	
		DRAWING # :	SGD6000NI - 56"	
		SHEET:	8 OF 9	

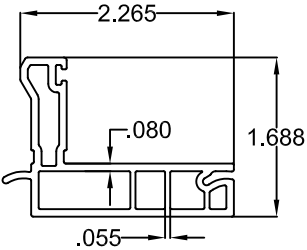
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG>=0.42)	WOOD
B	2X BUCK (SG>=0.42)	WOOD
C	1/4" MAX SHIM SPACE	-
D	1/4" X 2-3/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
E	MASONRY - 3000 PSI MIN CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PPH SMS	STEEL
G	#8 X 1" PPH SMS	STEEL
H	#10 X 2-1/2" PPH SMS	STEEL
J	1/4" X 2-1/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
K	#8 X 1/2" PPH SMS	STEEL
L	#10 X 3" PPH SMS	STEEL
M	1/4" X 3-1/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
N	1/4" X 3-3/4" ELCO ULTRACON OR ULTRACON+ CONCRETE SCREW	STEEL
P	#8 X 1-1/2" PPH SMS	STEEL
T	#10-16 PH SELF-DRILLING SMS (3 THREADS MIN. THRU STUD)	STEEL
X	STEEL STUD MIN THICKNESS 0.056" (ASTM A653 GRADE 50, FY=50 KSI MIN., FU=65 KSI MIN.)	STEEL
1A	FRAME - 2T	PVC
1B	FRAME - 3T	PVC
2	ADD-A-TRACK	PVC
3	GLAZING BEAD	PVC
4	FRAME CAP (JAMB COVER)	PVC
5	INTERLOCK	6063-T5
6	SILL CAP (THRESHOLD)	6063-T5
7	PANEL STILE/RAIL	PVC
9	ROLLER SUPPORT	6063-T5
10	REINFORCEMENT (LOCK STILE, TOP/BTM RAIL)	6065-T5
11	FIXED PANEL SUPPORT	6065-T5
12	ROLLER TRACK	6063-T5
14	HD REINFORCEMENT (INTERLOCK)	ALUM
15	ANTI-LIFT OUT BLOCK	6063-T5
17	STANDARD SILL RISER	6063-T5
18	SILL RISER CAP	6063-T5
19	HIGH DAM SILL RISER	6063-T5
21	HOOKSTRIP	6063-T5
22	HOOKSTRIP FLANGE	6063-T5
23	MULLION (OFFSET BUTTSTILE)	PVC
24	REINFORCEMENT - MULLION (LARGE)	6063-T5
25	ROLLER ASSEMBLY	STEEL
26	REINFORCEMENT - MULLION (SMALL)	6063-T5
27	CORNER KEY	PVC
29	DOUBLE INTERLOCK (PANEL TO HOOKSTRIP)	6063-T5
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-
39	SCREW COVER (HOOKSTRIP)	PVC
40	ASTRAGAL	6063-T5
41	WTSP, .187 x .290 Poly Fin	
42	WTSP, 0.8125" x 0.875" x 4" Fuzzy Pad (TOP/BTM RAIL)	



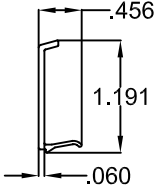
1A FRAME - 2T



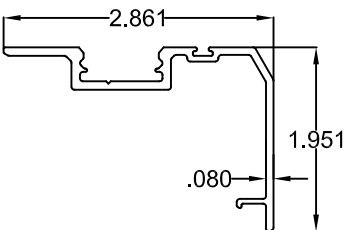
1B FRAME - 3T



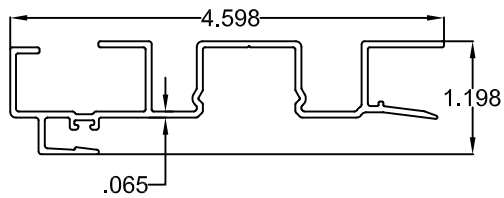
2 ADD-A-TRACK



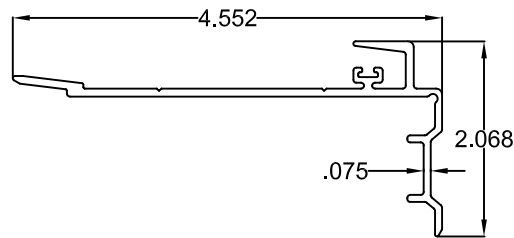
3 GLAZING BEAD



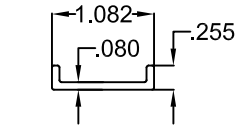
5 INTERLOCK



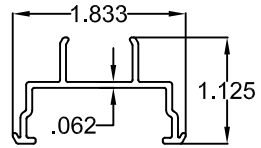
21 HOOKSTRIP



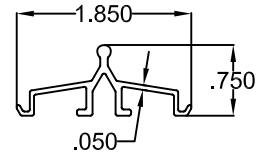
29 DOUBLE INTERLOCK (HOOKSTRIP)



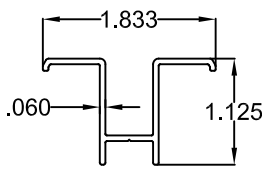
9 ROLLER SUPPORT



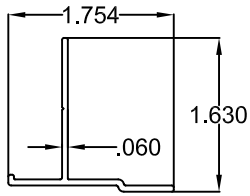
11 FIXED PANEL SUPPORT



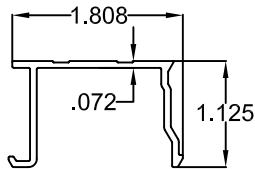
12 ROLLER TRACK



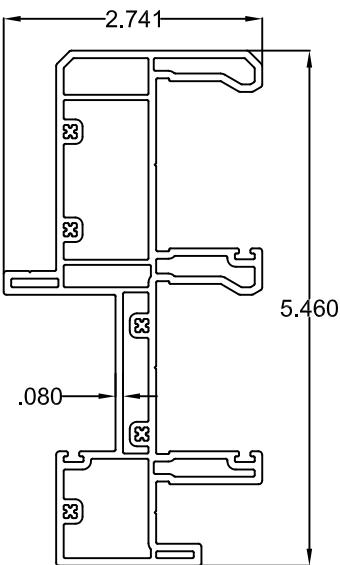
15 ANTI-LIFT



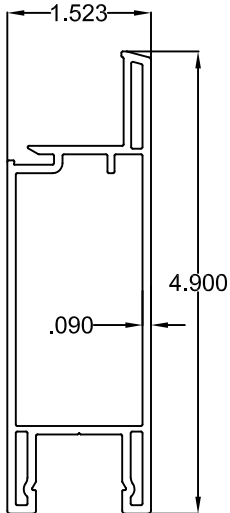
22 HOOKSTRIP FLANGE



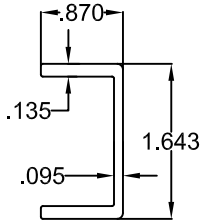
4 FRAME CAP



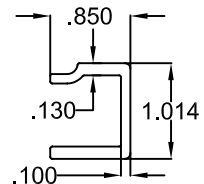
23 MULLION



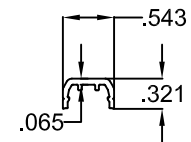
7 PANEL STILE/RAIL



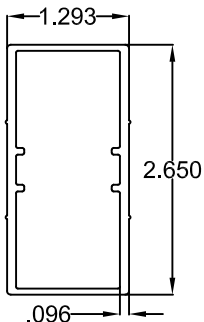
24 REINF. MULLION



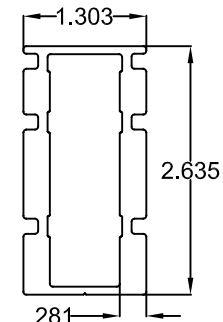
26 REINF. MULLION



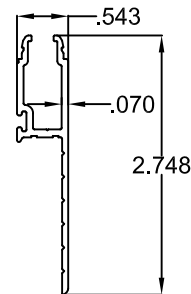
18 SILL RISER CAP



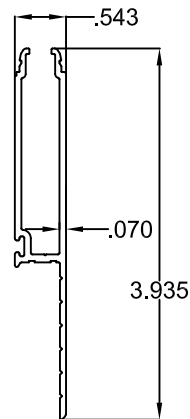
10 REINF. LOCK STILE, TOP/BTM RAIL



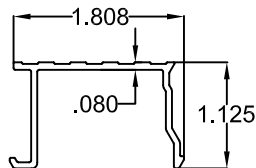
14 HD REINF. INTERLOCK



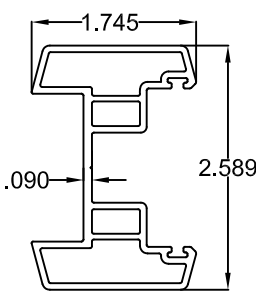
17 SILL RISER 2.81" TALL w/CAP



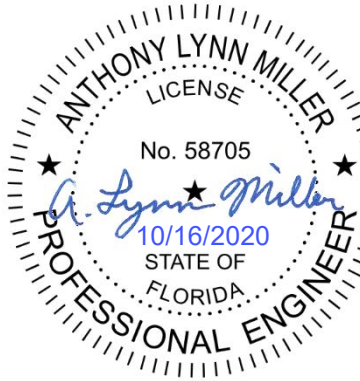
19 HIGH DAM SILL RISER 4" TALL w/CAP



6 SILL CAP



40 ASTRAGAL



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