

6000 SERIES, MODEL 6500 SLIDING PATIO DOOR,
LARGE MISSILE IMPACT RESISTANT,
BYPASS AND EXTERIOR POCKET,
3 & 4 TRACK CONFIGURATIONS

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 FL31714.
- 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 THE "HVHZ", THIS PRODUCT COMPLIES WITH SECTION 1626 OF THE FLORIDA BUILDING CODE AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING.
- 4) FOR 2X STUD FRAMING CONSTRUCTION, ANCHORING OF THESE UNITS SHALL BE THE SAME AS THAT SHOWN FOR 2X BUCK MASONRY CONSTRUCTION.
- 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 Pressure (+/- psf)															
Frame Height	DLO Height	DLO Width													
		27-3/16"		39-3/16"		40-1/16"		41"		43"		46"		48-13/16"	
80"	67-13/16"	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0
84"	71-13/16"	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0		
88"	75-13/16"	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0				
92"	79-13/16"	50.0	-55.0	50.0	-55.0	50.0	-55.0	50.0	-55.0						
95-1/2"	83-5/16"	50.0	-55.0	50.0	-55.0	50.0	-55.0								

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

TABLE 3:

Finished Frame Width (in)							
Configuration	DLO Width						
	27-3/16"	39-3/16"	40-1/16"	41"	43"	46"	48-13/16"
3 Panel 3 Track Bypass	103.65	139.65	142.27	145.09	151.09	160.09	168.59
3 Panel 3 Track 1 Pocket	97.63	133.63	136.25	139.06	145.06	154.06	162.57
4 Panel 4 Track Bypass	135.80	183.80	187.30	191.05	199.05	211.05	222.38
4 Panel 4 Track 1 Pocket	129.77	177.77	181.27	185.02	193.02	205.02	216.36

MAXIMUM ALLOWABLE FINISHED FRAME SQUARE FOOTAGE = 191 FT²

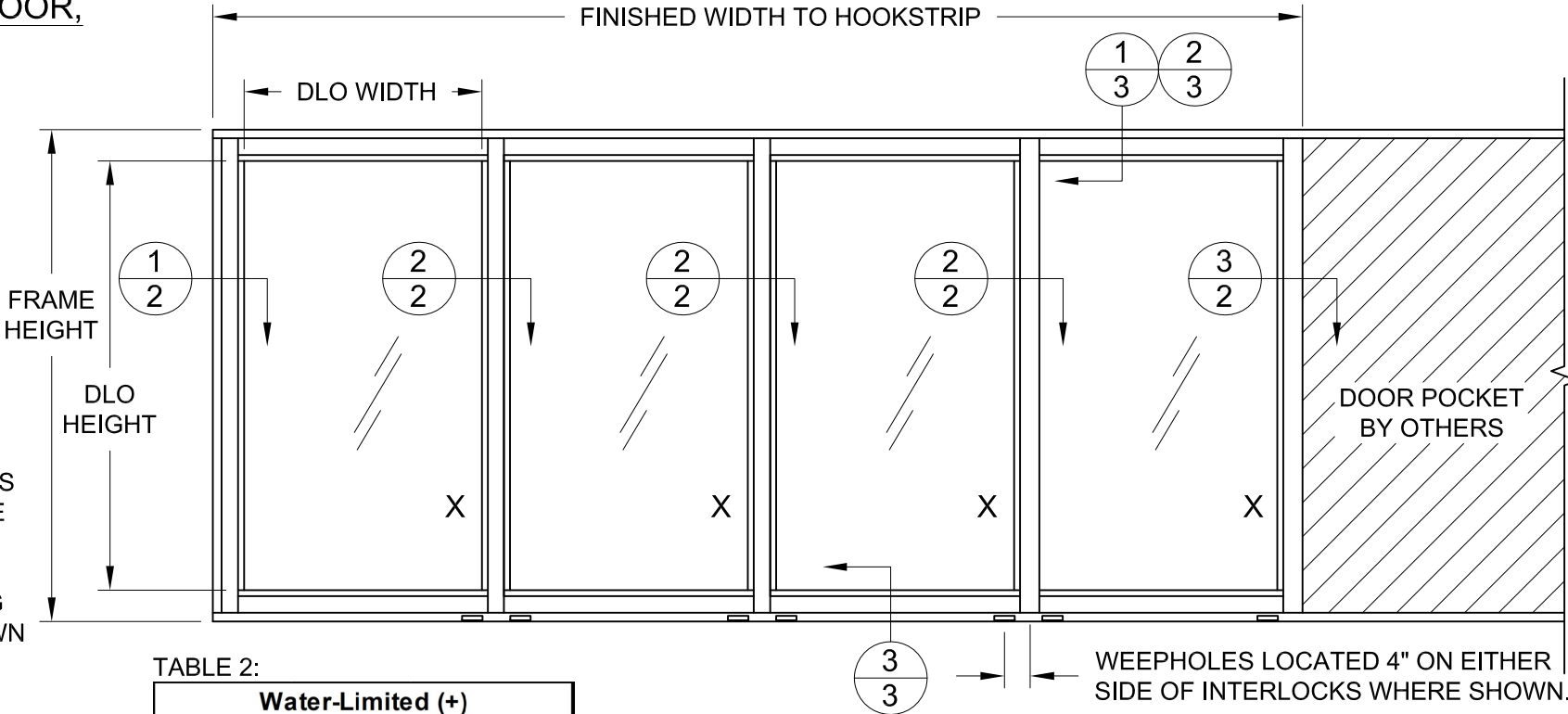


TABLE 2:

Water-Limited (+) Design Pressure		
Sill Riser	Nom. Sill Height	Max. (+) DP Allowed
None	1-11/16"	See Note B
Standard	2-13/16"	+30.0 psf
High Dam	3-3/4"	+50.0 psf

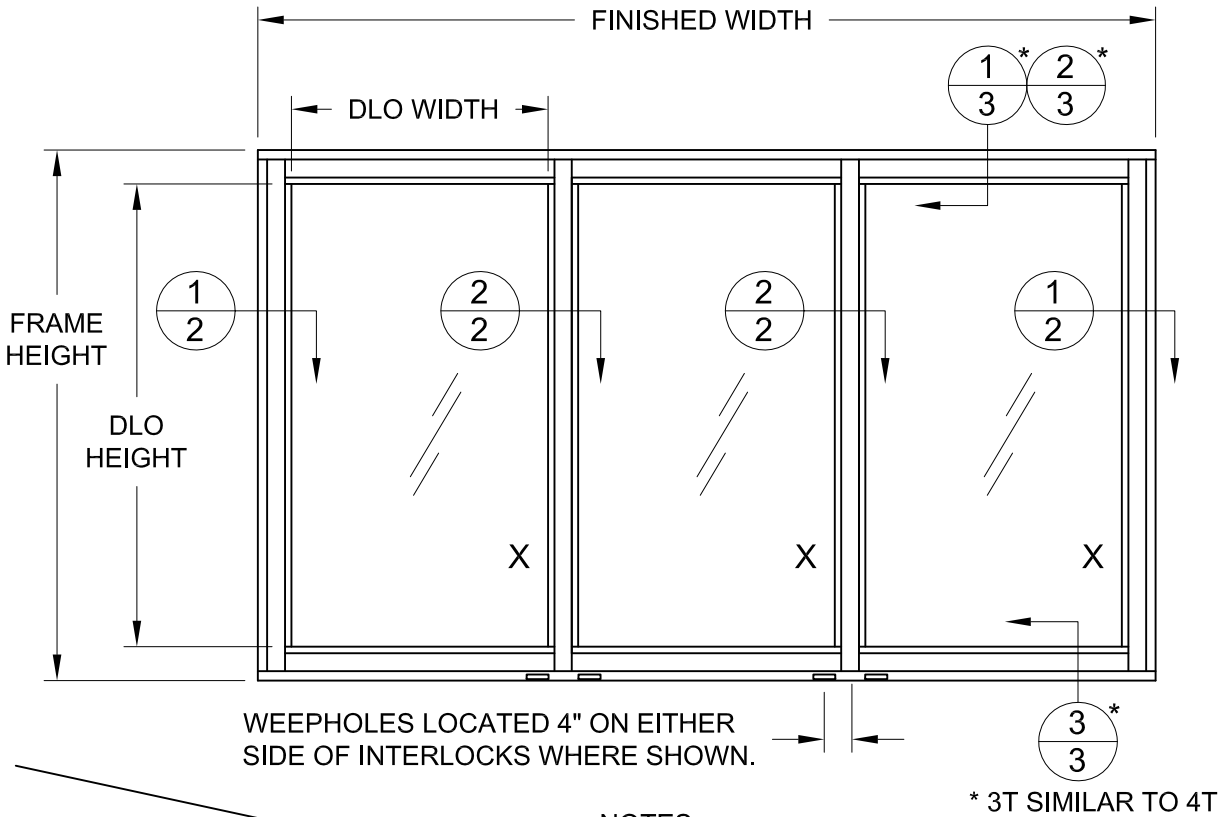


FIG 1

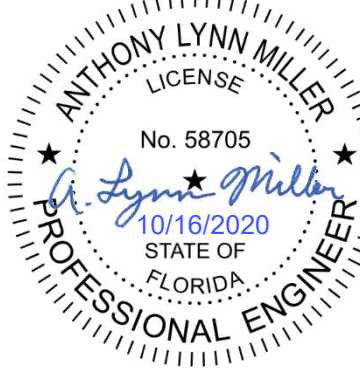
OH LENGTH

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

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.



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6000 SERIES SLIDING GLASS DOOR	TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610
BY:	EK	
REVISION:	FBC 2020 UPDATES	DEWALT ULTRACON +
DATE:	10/15/20	
#:	A	
DATE:	02/06/20	
SCALE:	NTS	
BY:	J ROSOWSKI	
DRAWING #:	SGD6000D.19	
SHEET:	1 OF 6	

CONCRETE ANCHOR NOTES:

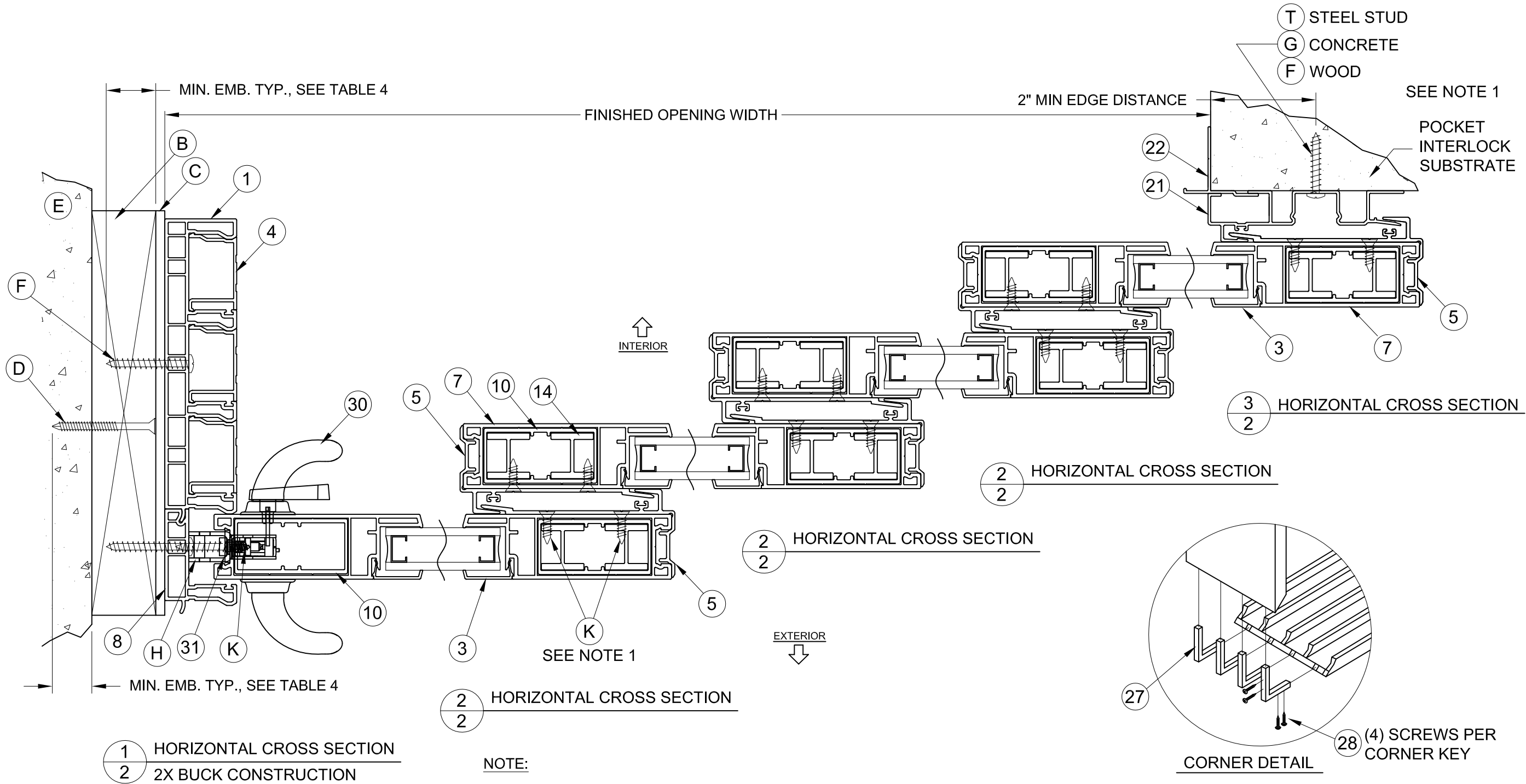
- 1) CONCRETE ANCHOR LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS
- 2) CONCRETE ANCHOR LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS, ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE THE "MAX. ON CENTER" DIMENSION IS NOT EXCEEDED.
- 3) SEE BOM ON SHEET 6 FOR MORE SUBSTRATE INFORMATION.

TABLE 4:

Anchor Type	Substrate	Min. Embedment	Min. Edge Distance	Min. Clearance to Adjacent Anchor
1/4" Elco Ultracon	Concrete	1"	1"	4"
1/4" Elco Ultracon	Hollow Block	1-1/4"	1"	6"
#10 SMS	Wood or Metal	1-3/16"	5/8"	1"
1/4" DeWalt Ultracon+	Concrete	1-3/8"	1"	4"
1/4" DeWalt Ultracon+	Hollow Block	1-1/4"	1"	3"



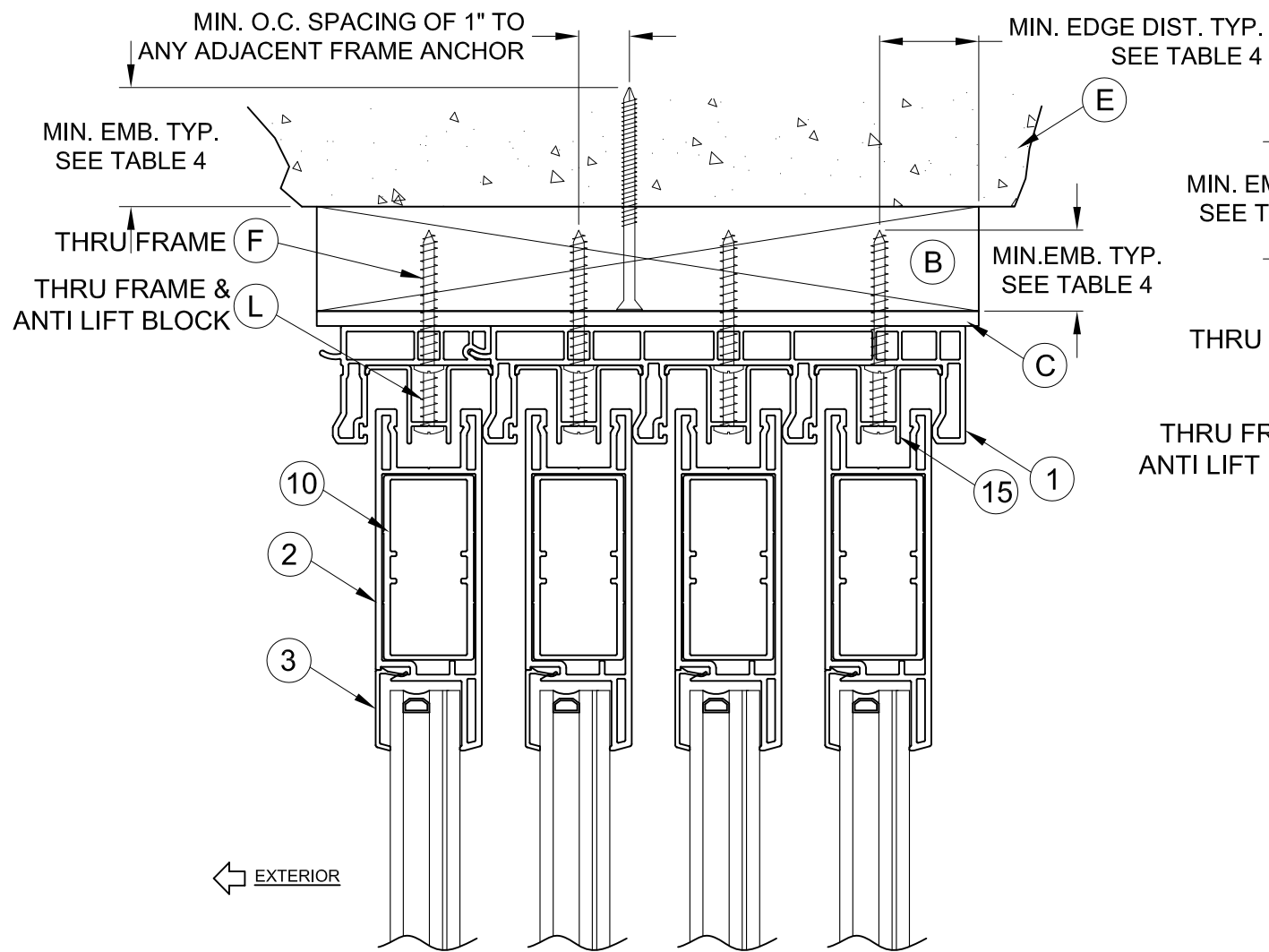
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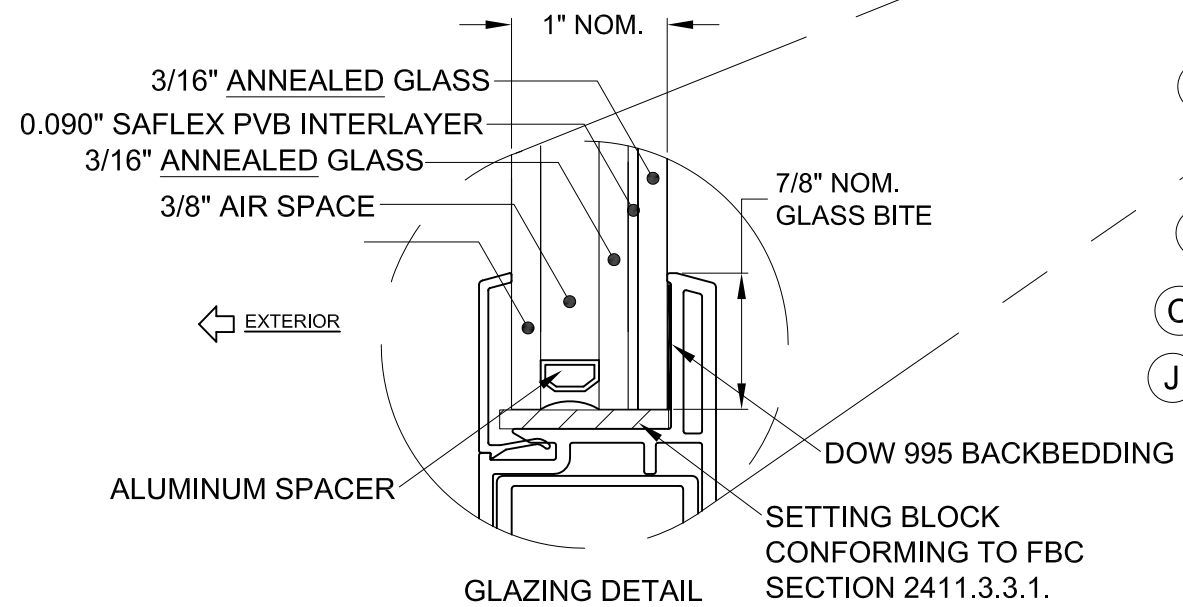
NOTE:

- 1) ITEMS #F & #K ARE LOCATED 3" FROM EACH END THEN 14.5" ON CENTER.
- 2) 4 PANEL, 4 TRACK, 1 POCKET SHOWN, OTHER CONFIGURATIONS SIMILAR.

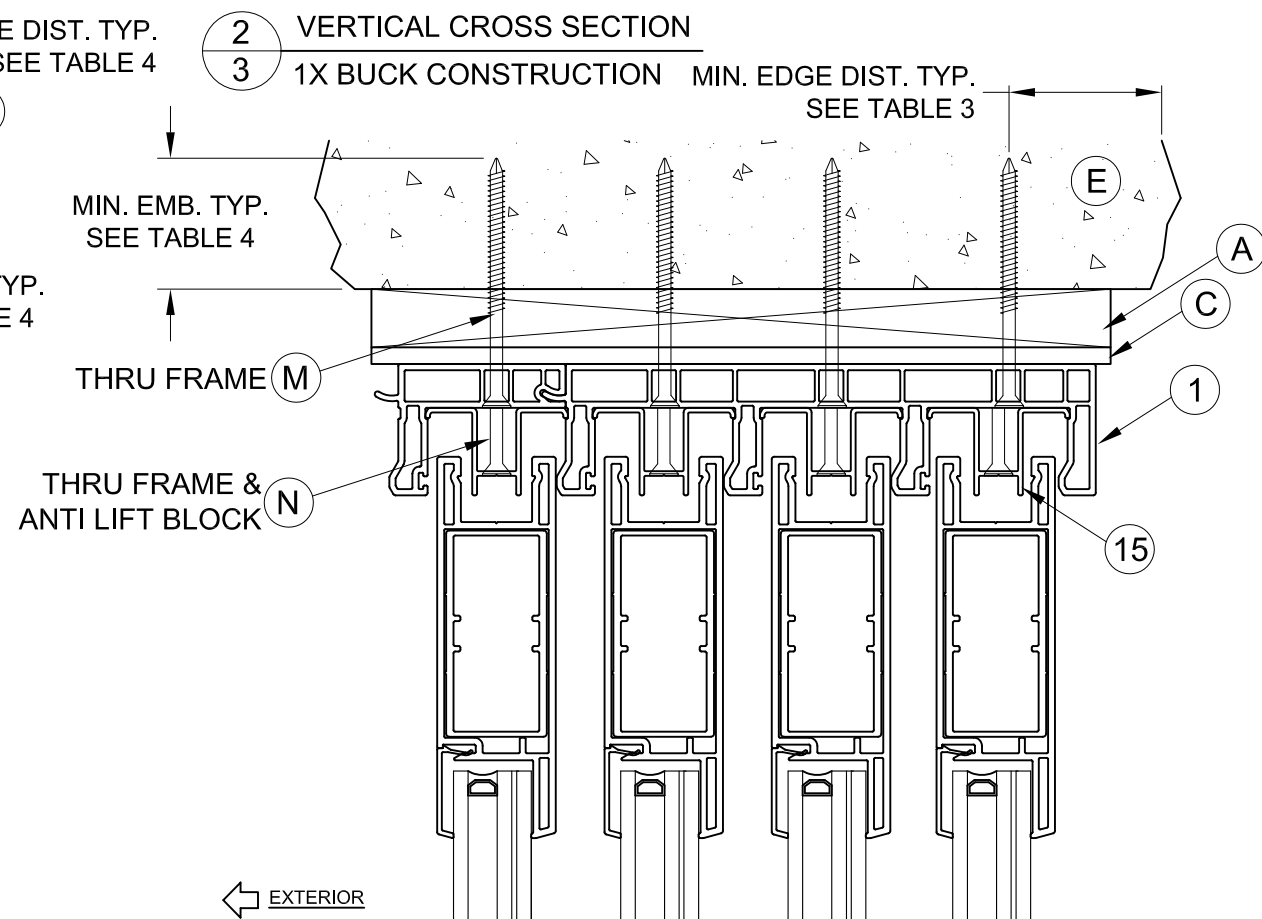
6000 SERIES SLIDING GLASS DOOR	BY:	EK		
HORIZONTAL CROSS SECTIONS, CORNER DETAIL & ANCHORAGE NOTES	REVISION:	FBC 2020 UPDATES	DEWALT ULTRACON +	
NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610	DATE:	10/15/20		
	#:	A		
	DATE:	02/06/20		
	SCALE:	NTS		
	BY:	J ROSOWSKI		
	DRAWING #:	SGD6000D.19		
	SHEET:	2 OF 6		



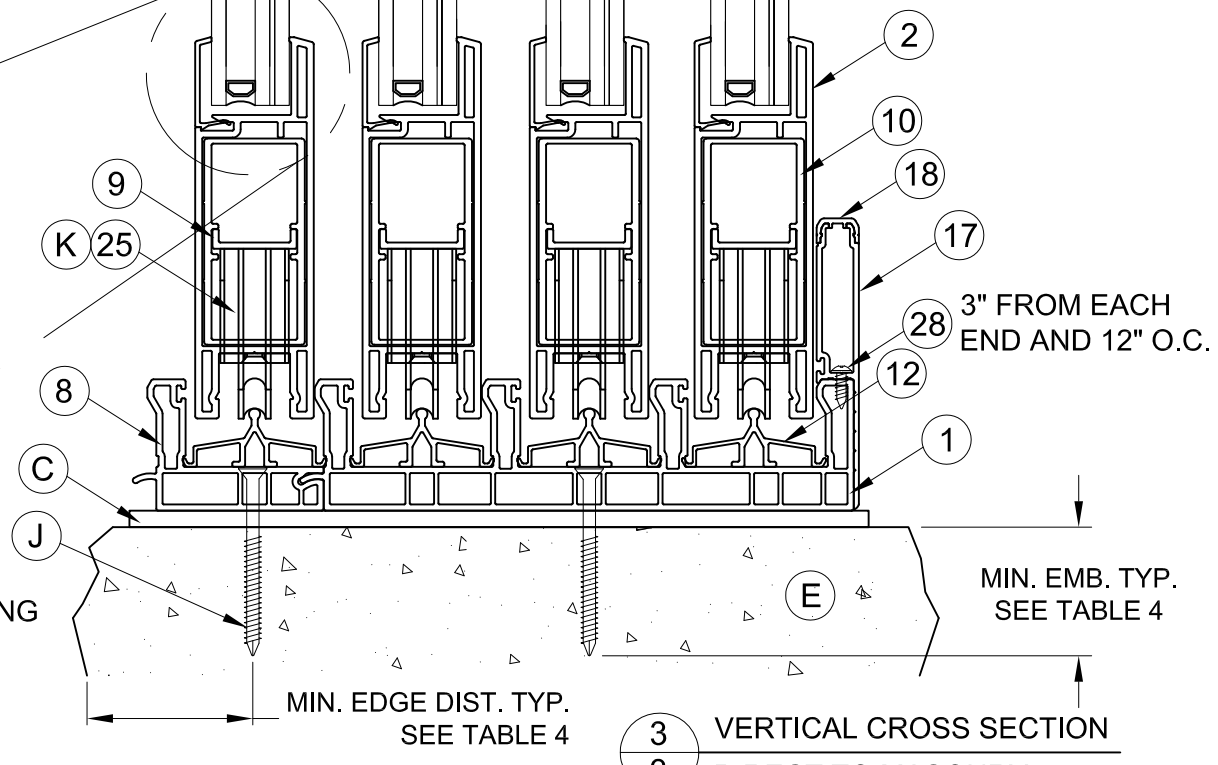
1 VERTICAL CROSS SECTION
3 2X BUCK CONSTRUCTION



GLAZING DETAIL



EXTERIOR



3 VERTICAL CROSS SECTION
3 DIRECT TO MASONRY

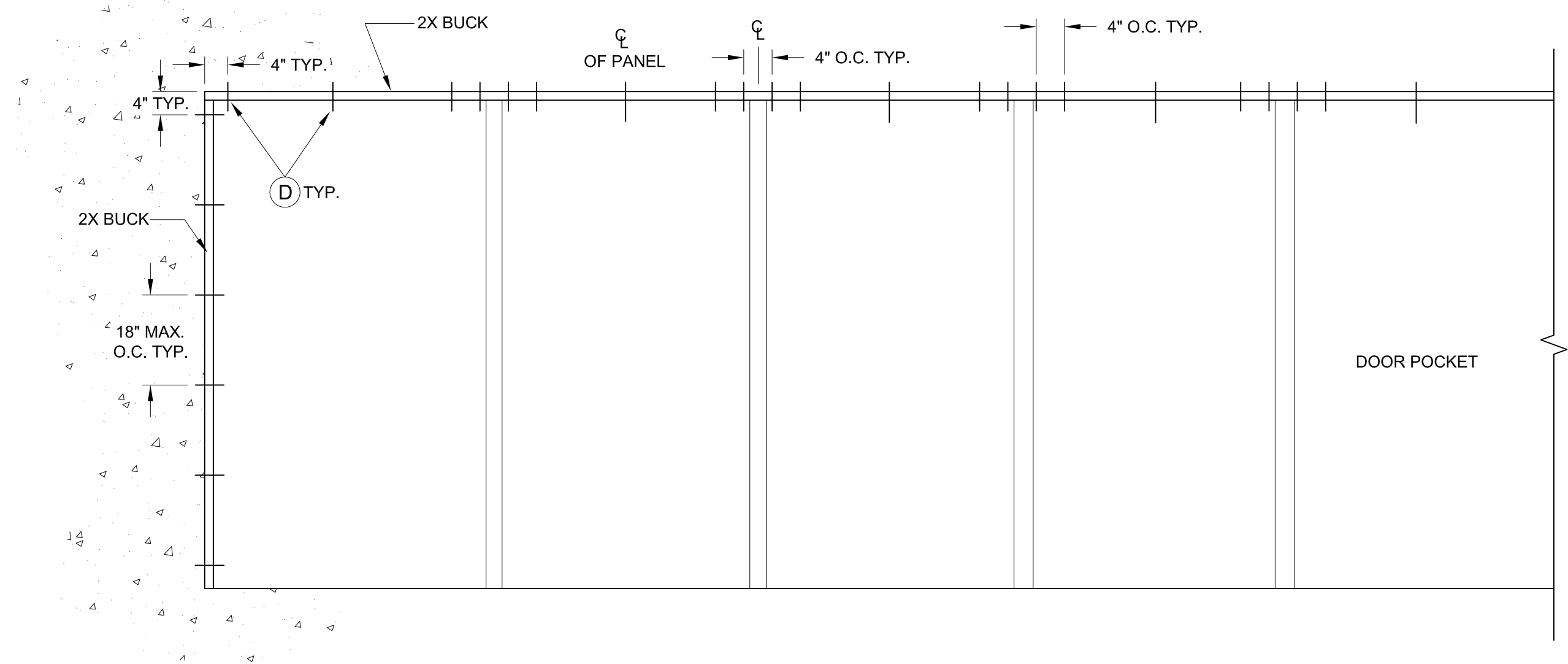


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6000 SERIES SLIDING GLASS DOOR	BY:	EK	REVISION:	DATE:	#:	DATE:	SCALE:	BY:	DRAWING #:	SHEET:
VERTICAL CROSS SECTIONS GLAZING DETAIL			FBC 2020 UPDATES	10/15/20	A	02/06/20	NTS	J ROSOWSKI	SGD6000D.19	3 OF 6
NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610			DEWALT ULTRACON +							

MASONRY OPENING

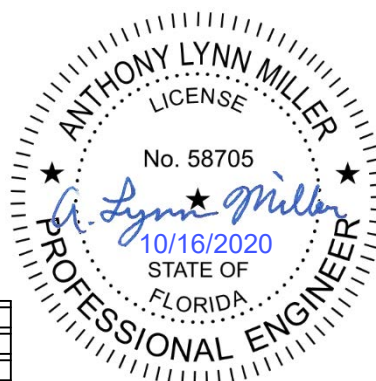
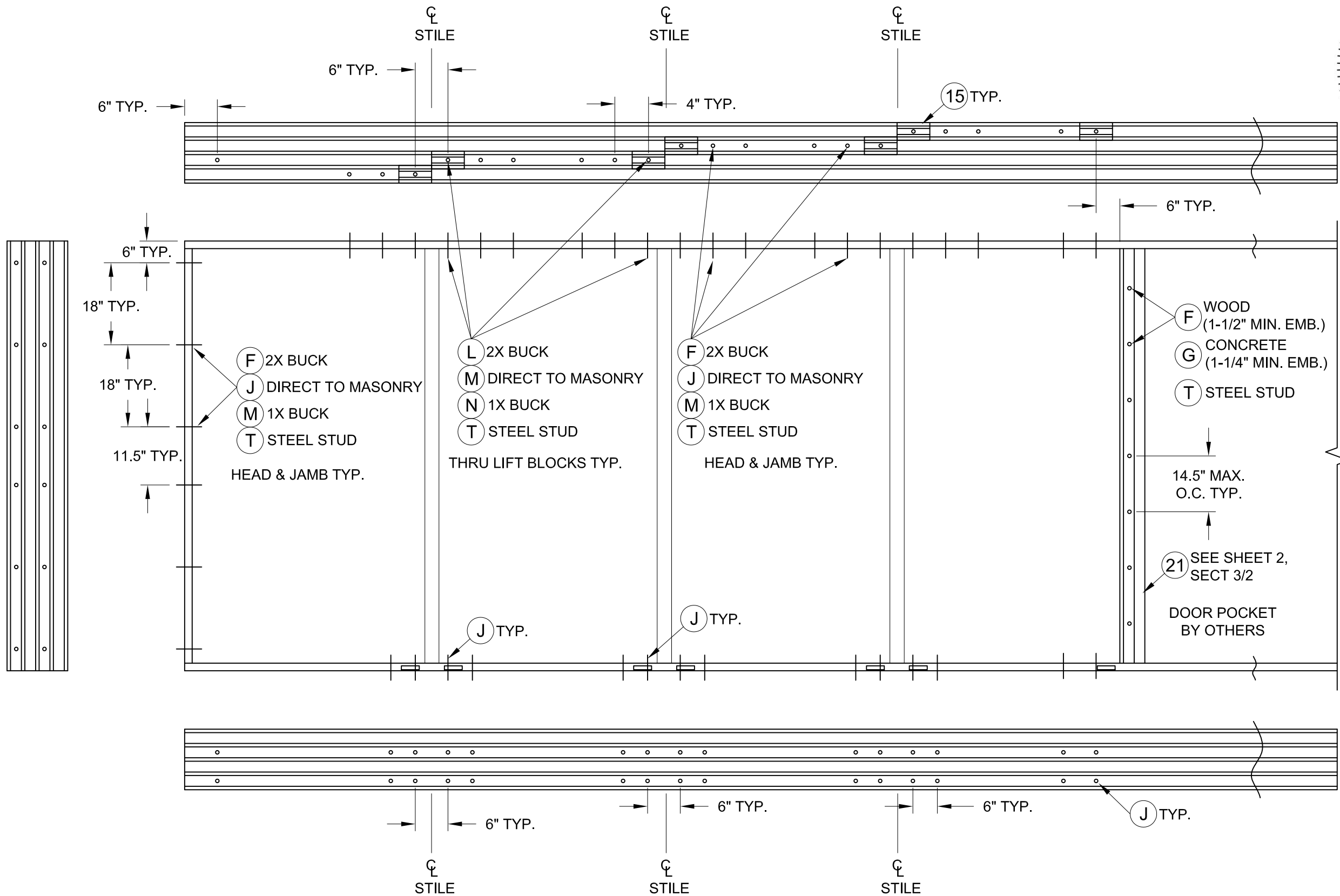


BUCK ANCHORAGE DETAIL



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6000 SERIES SLIDING GLASS DOOR		6000 SERIES SLIDING GLASS DOOR	
BY: EK		BUCK ANCHORING	
REVISION: FBC 2020 UPDATES		NEWSOUTH WINDOW SOLUTIONS	
DEWALT ULTRACON +		10741 CROSSROADS COMMERCE BLVD.	
DATE: 10/15/20		TAMPA, FL 33610	
#: A			
DATE: 02/06/20			
SCALE: NTS			
BY: J ROSOWSKI			
DRAWING # :			
SGD6000D.19			
SHEET: 4 OF 6			



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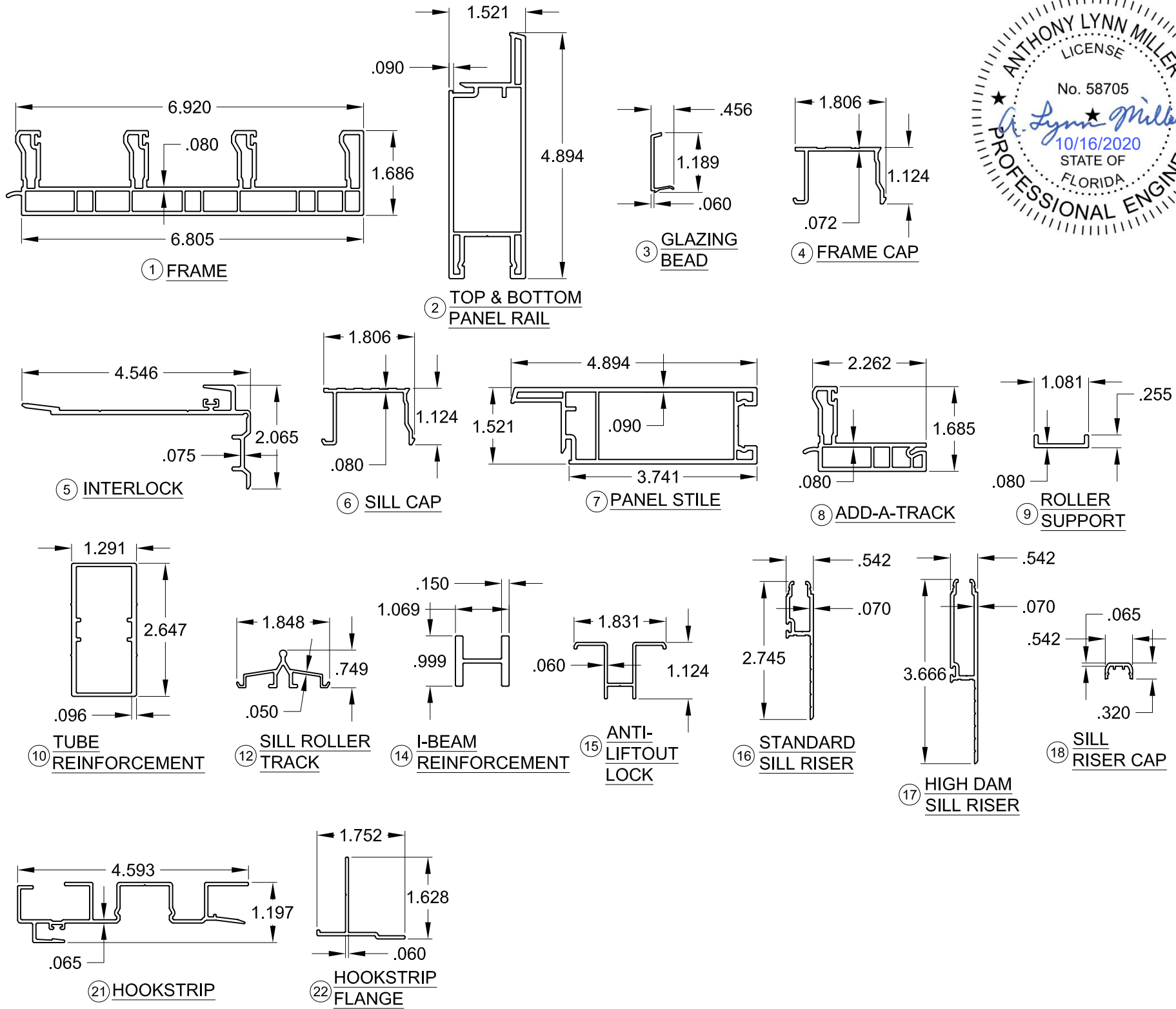
FRAME ANCHORAGE DETAIL
SLIDING GLASS POCKET DOOR

6000 SERIES SLIDING GLASS DOOR		BY:	EK		
FRAME ANCHORING		REVISION:	FBC 2020 UPDATES	DEWALT ULTRACON +	
NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610		DATE:	10/15/20		
		#:	A		
		DATE:	02/06/20		
		SCALE:	NTS		
		BY:	J ROSOWSKI		
		DRAWING # :	SGD6000D.19		
		SHEET:	5 OF 6		

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 DEWALT 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	1/4" X 1-3/4" ELCO ULTRACON OR DEWALT ULTRACON+ CONCRETE SCREW	STEEL
H	#10 X 2-1/2" PPH SMS	STEEL
J	1/4" X 2-1/4" ELCO ULTRACON OR DEWALT 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 DEWALT ULTRACON+ CONCRETE SCREW	STEEL
N	1/4" X 3-3/4" ELCO ULTRACON OR DEWALT ULTRACON+ CONCRETE SCREW	STEEL
T	#10-16 PH SELF-DRILLING SMS (3 THREADS MIN. THRU STUD)	STEEL
X	STEEL STUD MIN THICKNESS 0.054" (ASTM A653 GRADE 50, FY=50 KSI MIN., FU=65 KSI MIN.)	STEEL
1	FRAME	PVC
2	TOP & BOTTOM PANEL STILE	PVC
3	GLAZING BEAD	PVC
4	FRAME CAP	PVC
5	SINGLE INTERLOCK	6063 T5 ALUM
6	SILL CAP	6063 T5 ALUM
7	PANEL STILE	PVC
8	ADD-A-TRACK	PVC
9	ROLLER SUPPORT	6063 T5 ALUM
10	TUBE REINFORCEMENT	6063 T5 ALUM
12	SILL ROLLER TRACK	6063 T5 ALUM
14	I-BEAM REINFORCEMENT	6063 T5 ALUM
15	ANTI-LIFTOUT BLOCK	6063 T5 ALUM
16	STANDARD SILL RISER	6063 T5 ALUM
18	SILL RISER CAP	6063 T5 ALUM
21	HOOKSTRIP	6063 T5 ALUM
22	HOOKSTRIP FLANGE	6063 T5 ALUM
25	ROLLER ASSEMBLY	STEEL
27	CORNER KEY	PVC
28	#8 X 1-1/2" PPH SMS	STEEL
30	LOCK AND HANDLE	-
31	STRIKE PLATE	-

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* ADD AT LEAST 1/8" TO ANCHOR LENGTHS WHEN USING DEWALT ULTRACON+, SEE TABLE 3 FOR MIN. EMBEDMENTS.



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BY:	EK				
REVISION:					
DATE:	10/15/20	FBC 2020 UPDATES			
#:	A		DEWALT ULTRACON +		
DATE:		02/06/20			
SCALE:		NTS			
BY:		J ROSOWSKI			
DRAWING # :		SGD6000D.19			
SHEET:		6 OF 6			