

6000 SERIES, MODEL 6550 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). 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 AREAS REQUIRING WIND BORNE DEBRIS PROTECTION, THIS PRODUCT COMPLIES WITH FBC SECTIONS 1609.1.2 AND R301.2.1.2 AND DOES NOT REQUIRE AN IMPACT RESISTANT COVERING. THIS PRODUCT MEETS MISSILE LEVEL "D" AND INCLUDES WIND ZONE 4 AS DEFINED IN ASTM E1996 AND FBC SECTIONS 1609.1.2.2 AND R301.2.1.2.1.
- 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 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 Pocket	129.77	177.77	181.27	185.02	193.02	205.02	216.36

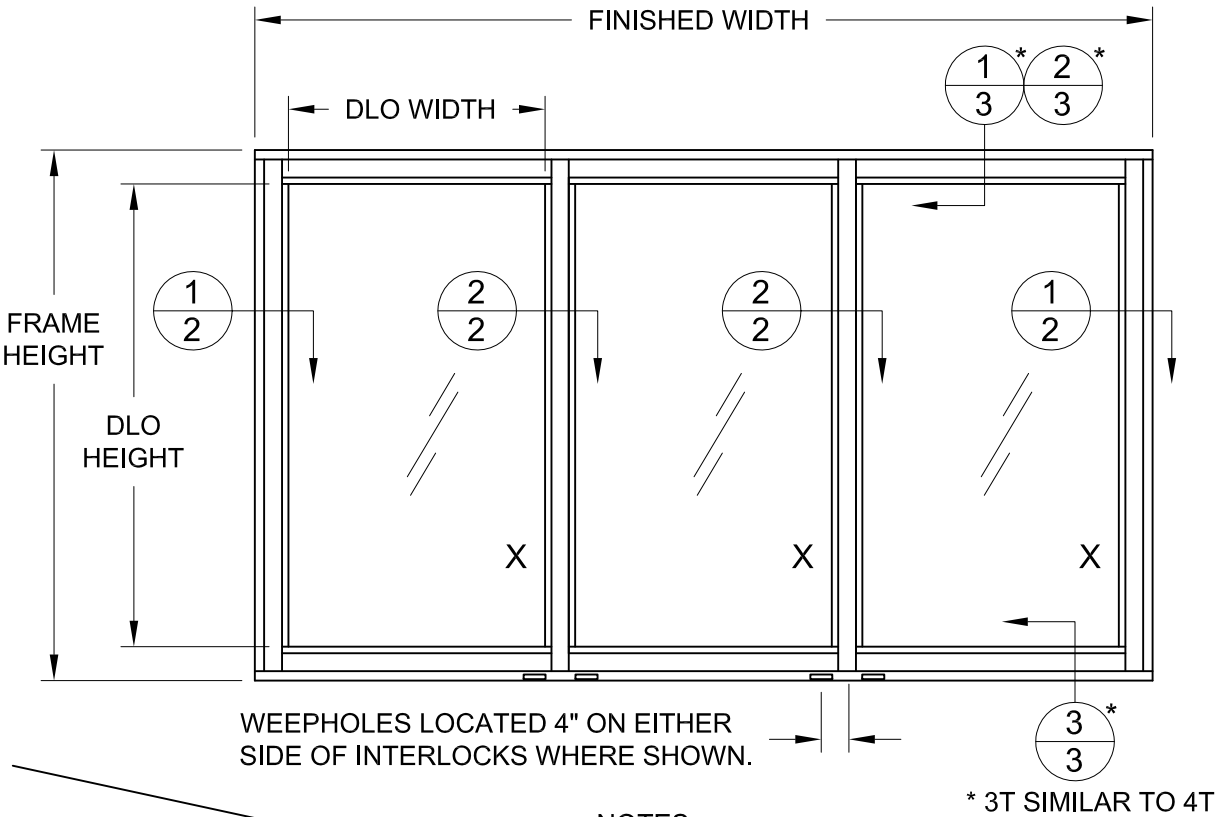
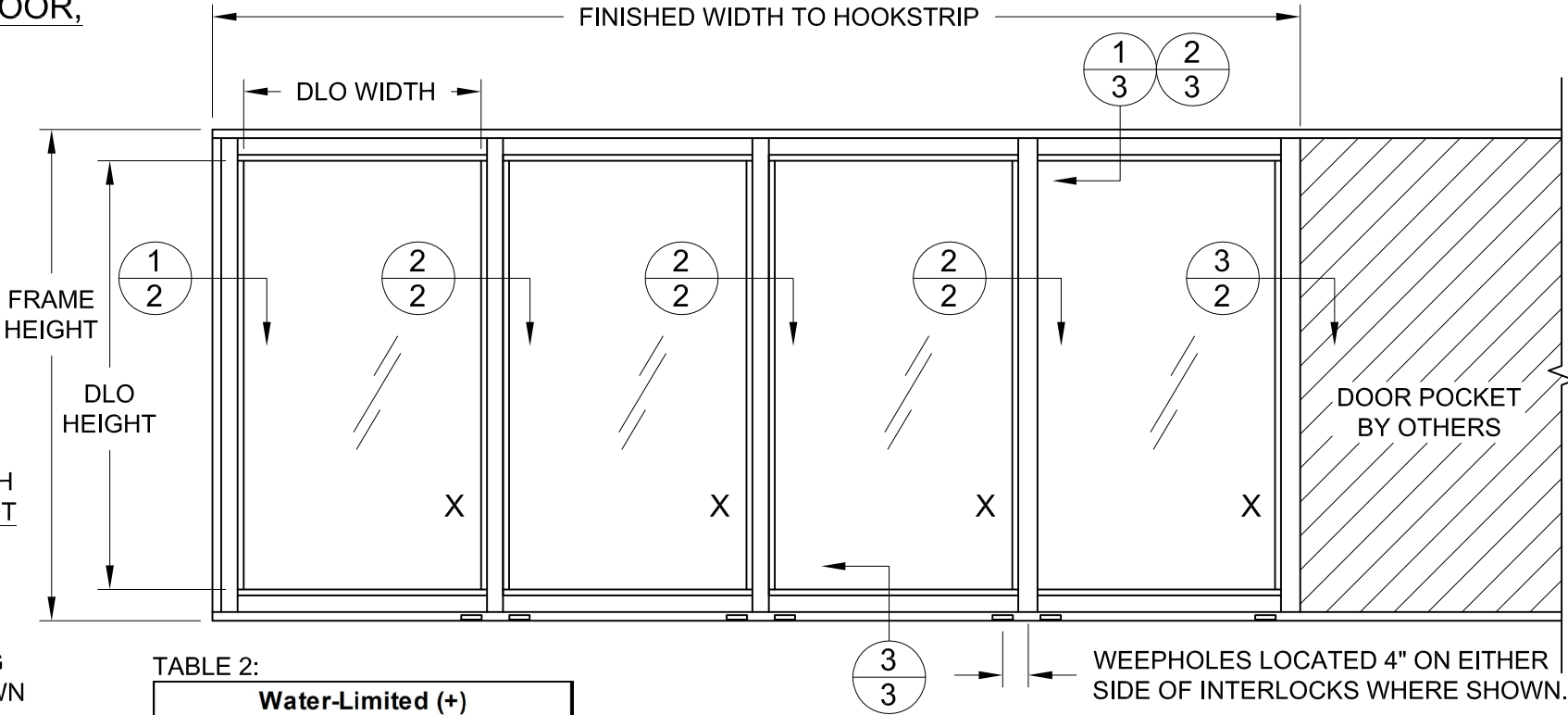


FIG 1

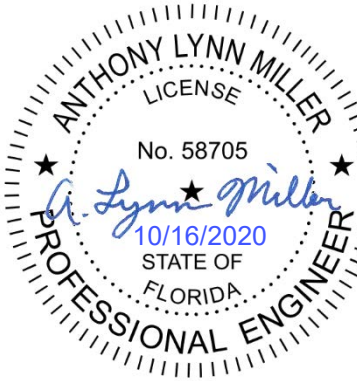
OH LENGTH

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.18

SHEET: 1 OF 6

CONCRETE ANCHOR NOTES:

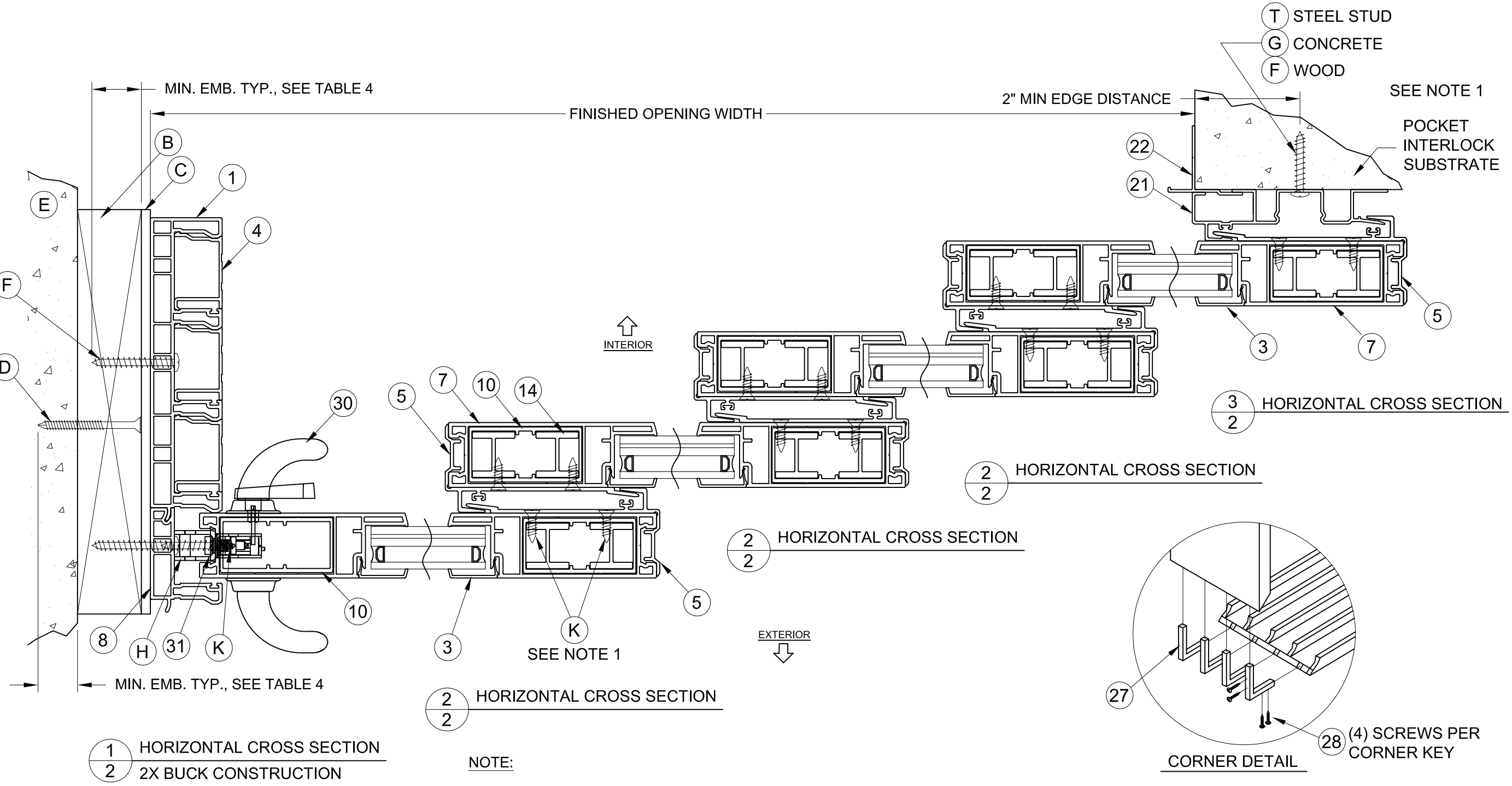
- 1) CONCRETE ANCHOR LOCATIONS AT THE CORNERS MAY BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS
- 2) CONCRETE ANCHOR LOCATIONS NOTED AS "MAX. ON CENTER" MUST BE ADJUSTED TO MAINTAIN THE MINIMUM EDGE DISTANCE TO MORTOR JOINTS, ADDITIONAL CONCRETE ANCHORS MAY BE REQUIRED TO ENSURE 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"



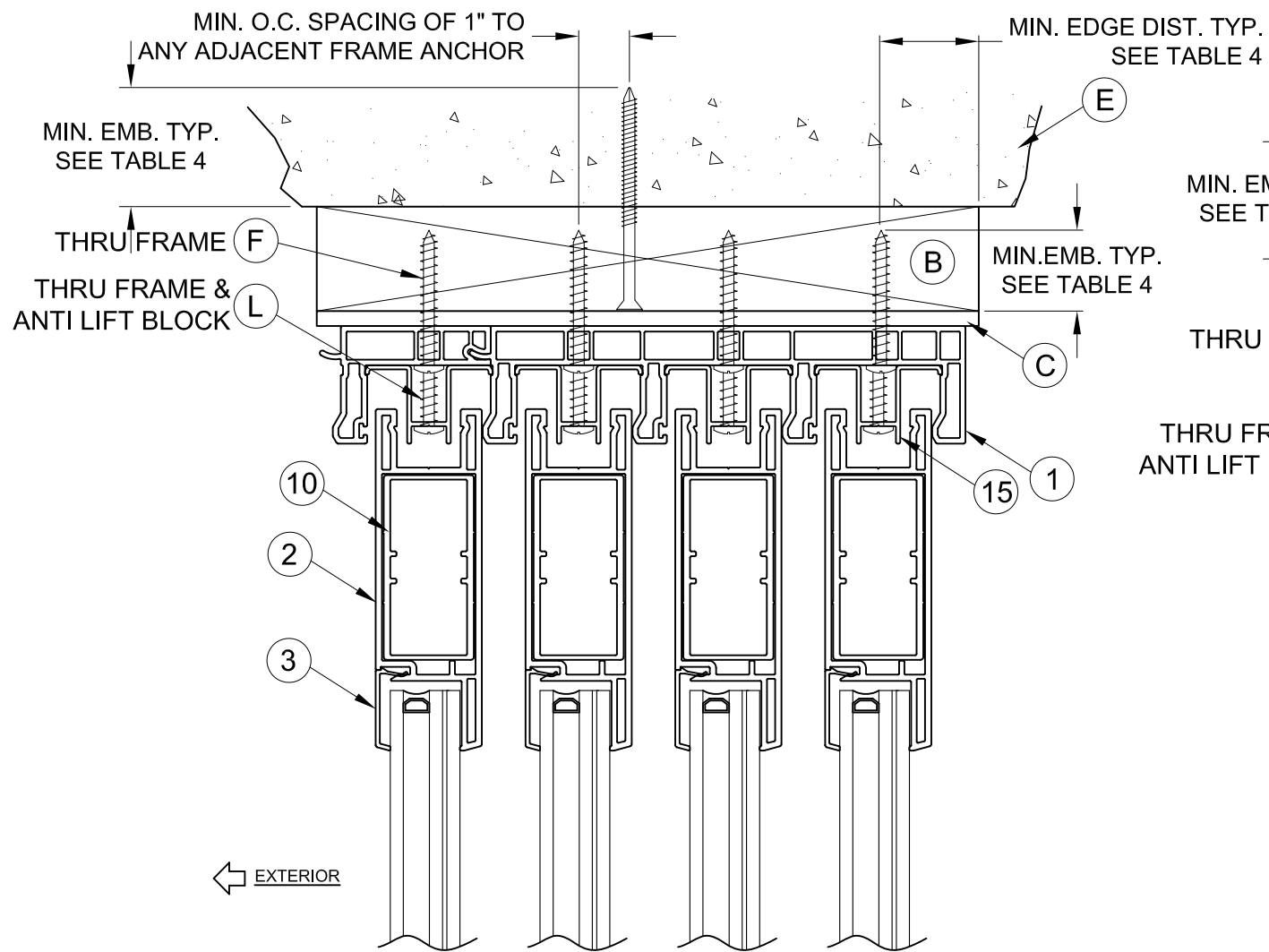
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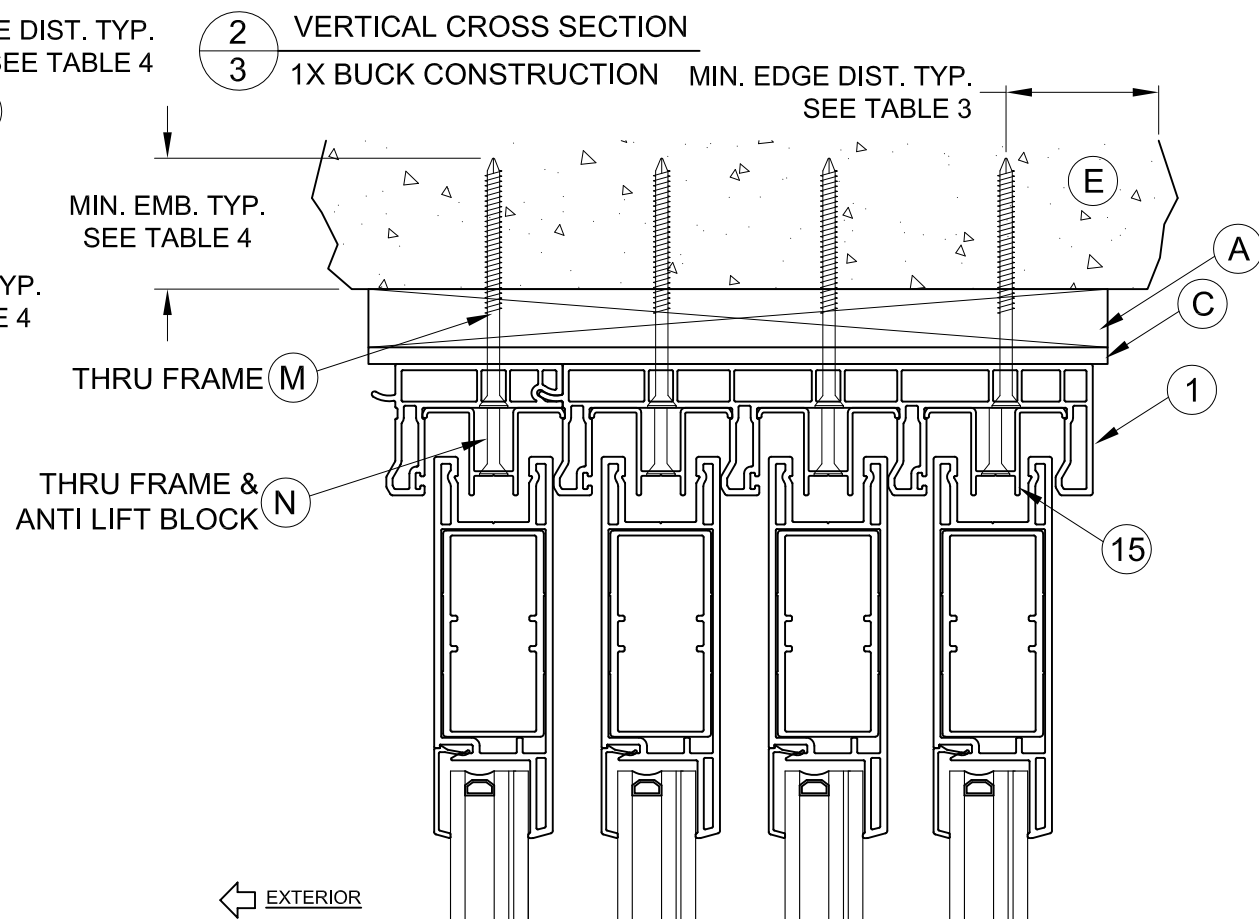
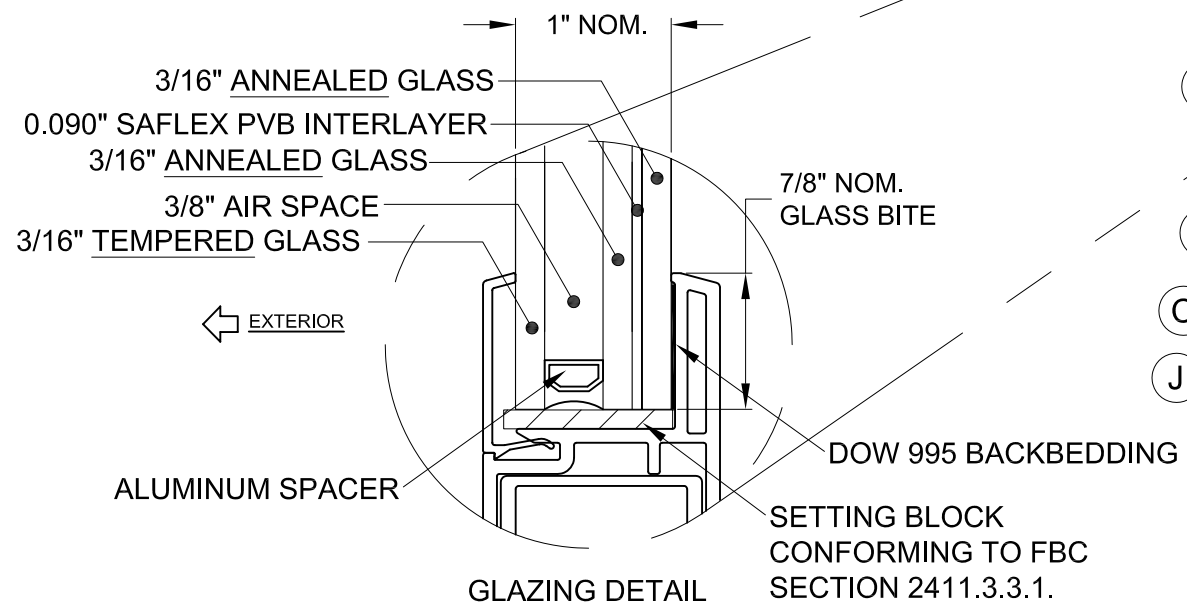
NOTE:

- 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.

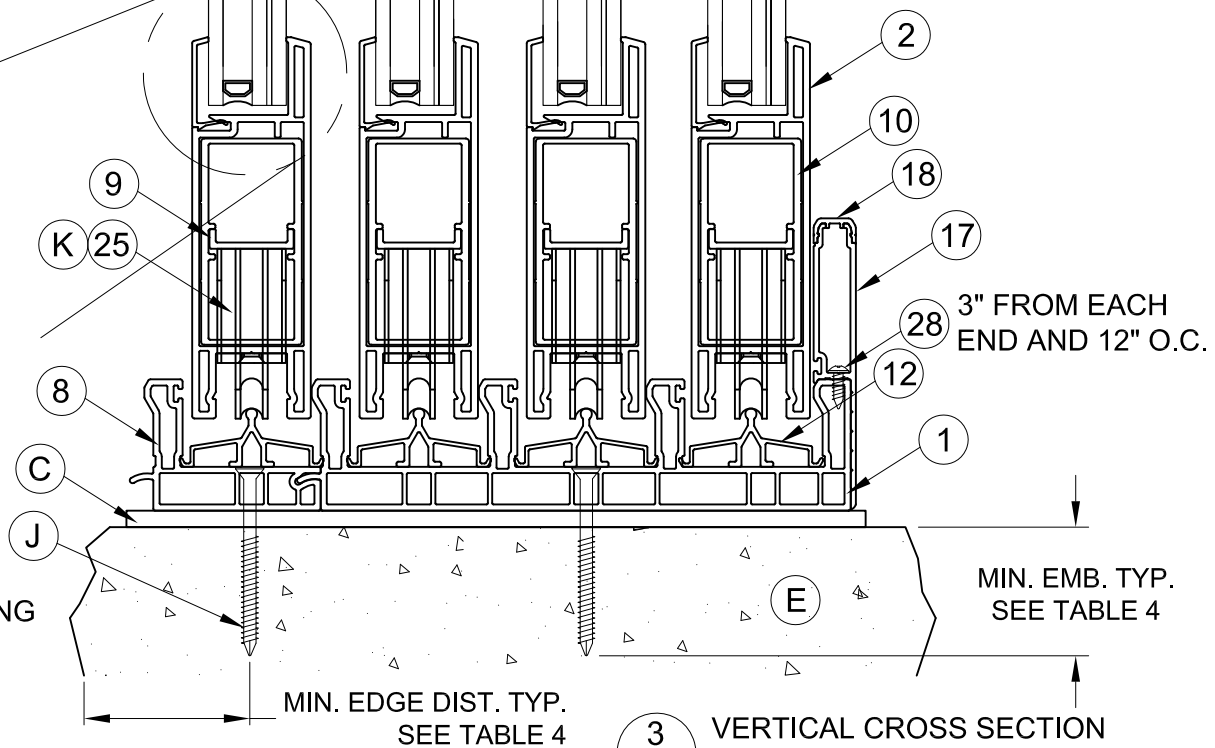
6000 SERIES SLIDING GLASS DOOR	BY:	EK			
HORIZONTAL CROSS SECTIONS, CORNER DETAIL & ANCHORAGE NOTES	REVISION:	FBC 2020 UPDATES	DEWALT ULTRACON +		
NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610	DATE:	10/15/20			
	#:	A			
	DATE:	02/06/20			
	SCALE:	NTS			
	BY:	J ROSOWSKI			
	DRAWING #:	SGD6000D.18			
	SHEET:	2 OF 6			



1 VERTICAL CROSS SECTION
3 2X BUCK CONSTRUCTION



← EXTERIOR



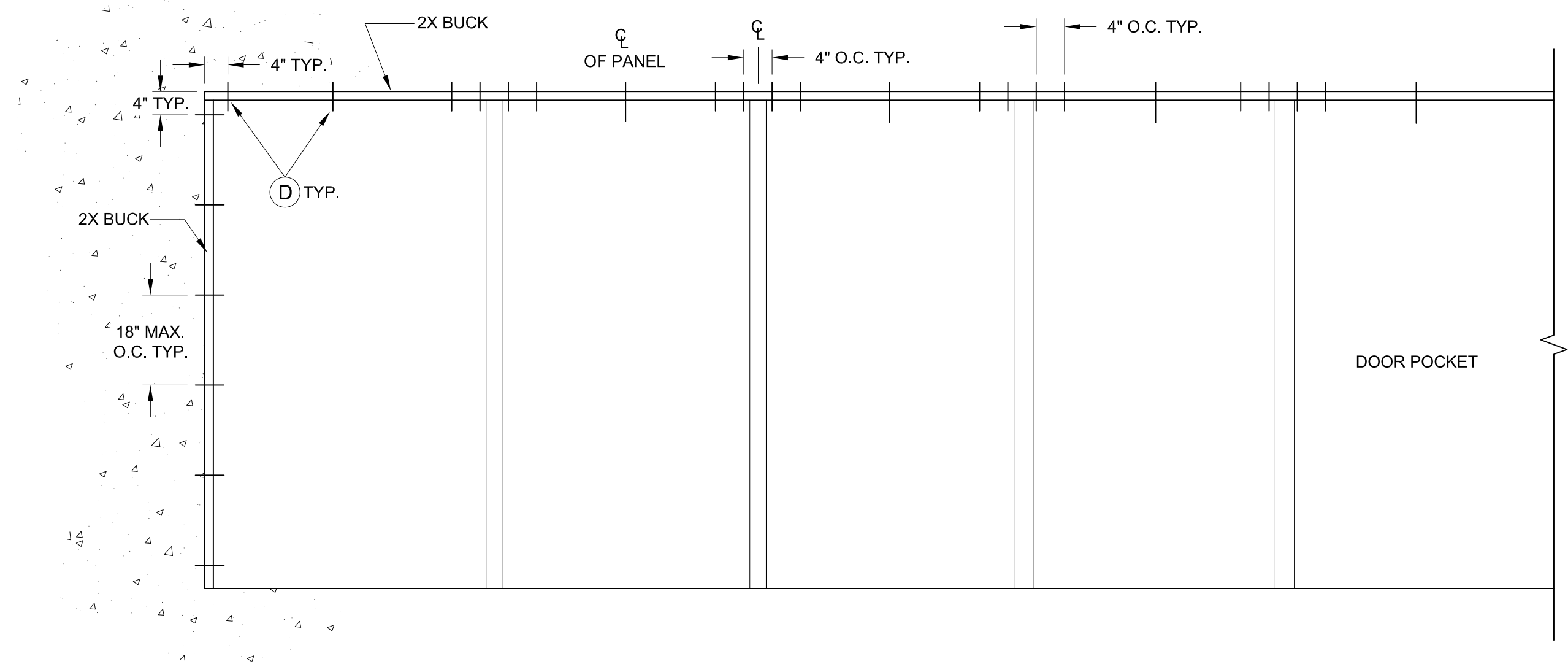
3 VERTICAL CROSS SECTION
3 DIRECT TO MASONRY



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VERTICAL CROSS SECTIONS GLAZING DETAIL			FBC 2020 UPDATES	10/15/20	A	02/06/20	NTS	J ROSOWSKI	SGD6000D.18	3 OF 6
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MASONRY OPENING

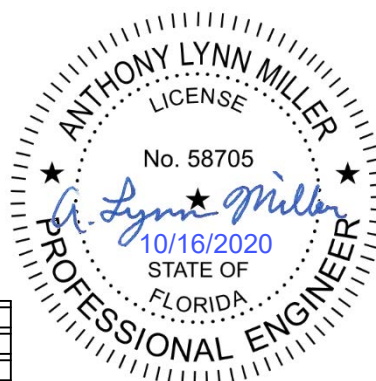
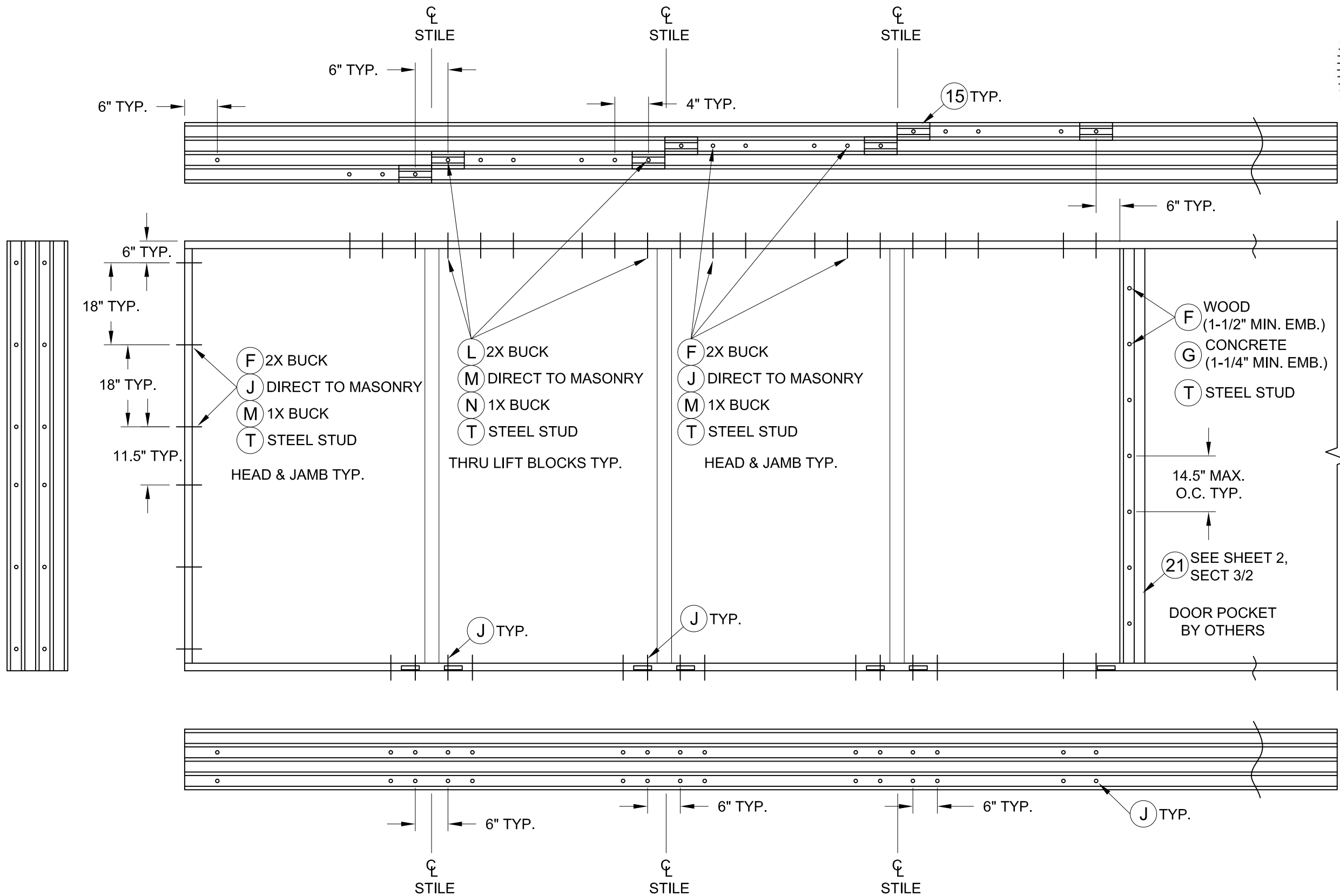


BUCK ANCHORAGE DETAIL



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6000 SERIES SLIDING GLASS DOOR		6000 SERIES SLIDING GLASS DOOR	
BY: EK		BUCK ANCHORING	
FBC 2020 UPDATES		NEWSOUTH WINDOW SOLUTIONS	
DEWALT ULTRACON +		10741 CROSSROADS COMMERCE BLVD.	
		TAMPA, FL 33610	
DATE:	10/15/20	REVISION:	
#:	A	BY:	
DATE: 02/06/20		BY: J ROSOWSKI	
SCALE: NTS		DRAWING # :	
		SGD6000D.18	
		SHEET: 4 OF 6	



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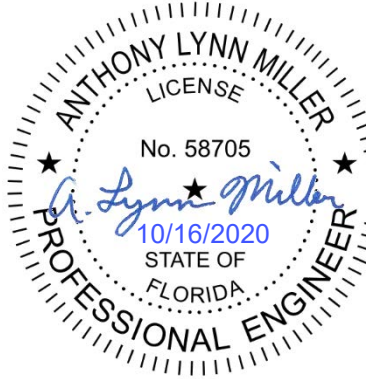
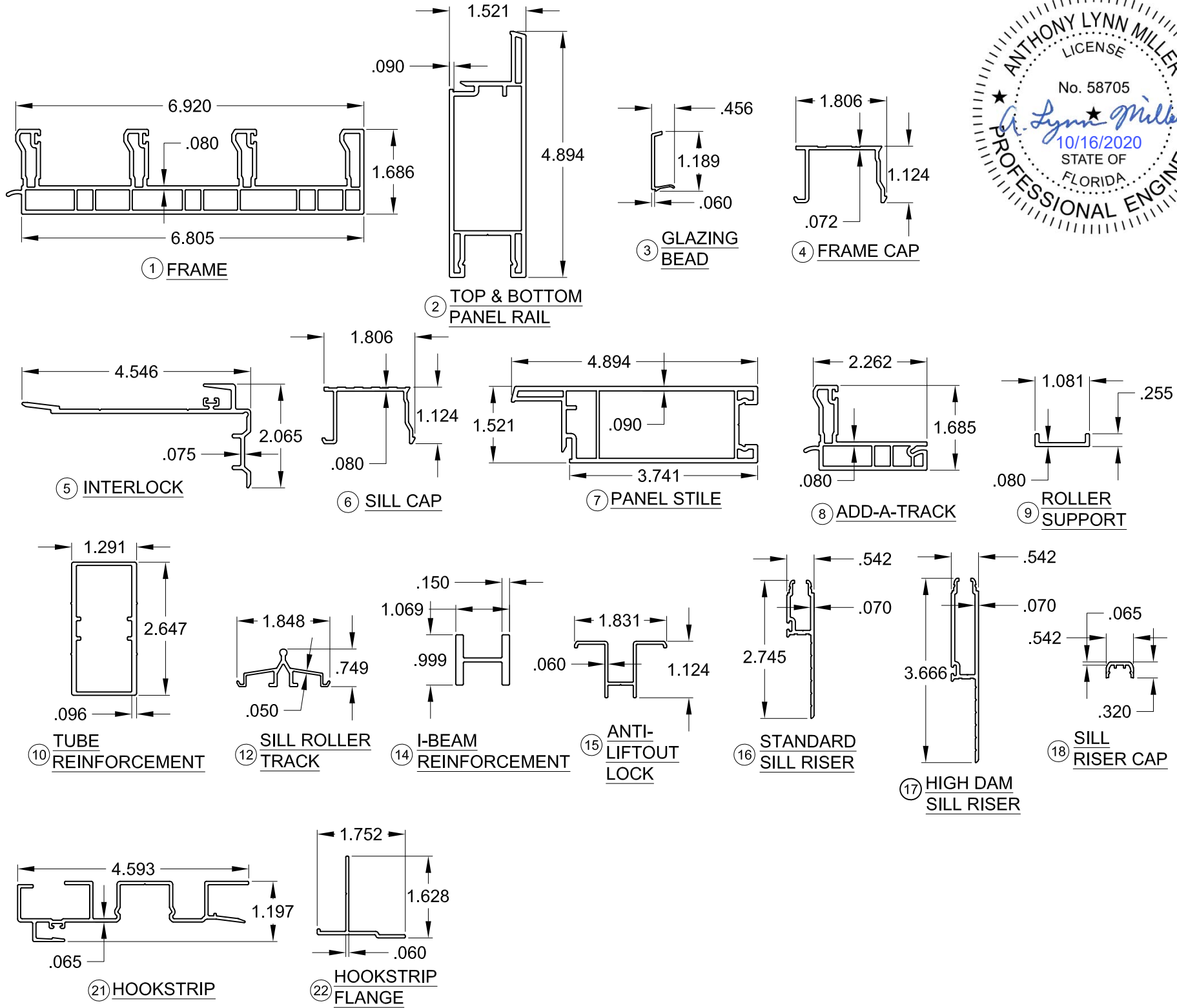
FRAME ANCHORAGE DETAIL
SLIDING GLASS POCKET DOOR

6000 SERIES SLIDING GLASS DOOR				BY:	NEWSOUTH WINDOW SOLUTIONS 10741 CROSSROADS COMMERCE BLVD. TAMPA, FL 33610
FRAME ANCHORING				EK	
REVISION:		FBC 2020 UPDATES			
DATE:		10/15/20			
#:		A			
		DEWALT ULTRACON +			
DATE: 02/06/20					
SCALE: NTS					
BY: J ROSOWSKI					
DRAWING # : SGD6000D.18					
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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COMPONENTS / BILL OF MATERIALS		EK			
		REVISION:			
#:		DATE:			
A		10/15/20		FBC 2020 UPDATES	
				DEWALT ULTRACON +	
DATE: 02/06/20					
SCALE: NTS					
BY: J ROSOWSKI					
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SHEET: 6 OF 6					