# EASTERN METAL SUPPLY

2" X 0.05" ALUMINUM STORM PANELS LARGE MISSILE IMPACT RESISTANT (MISSILE LEVEL D) VALID FOR USE INSIDE AND OUTSIDE THE HVHZ (SEE LIMITATIONS HEREIN)

NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

### **GENERAL NOTES**:

- 1. THIS SPECIFICATION HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE EIGHTH EDITION (2023) FOR USE INSIDE AND OUTSIDE OF THE HVHZ, PER TAS 201, 202 & 203 AND ASTM E330, E1886 & E1996 TEST PROTOCOLS. CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. DESIGN CRITERIA BEYOND AS STATED HEREIN MAY REQUIRE ADDITIONAL SITE-SPECIFIC SEALED ENGINEERING.
- 2. WIND LOAD DURATION FACTOR Cd=1.6 HAS BEEN USED FOR WOOD ANCHOR DESIGN.
- 3. POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSTEM SHALL BE DETERMINED PER SEPARATE ENGINEERING IN ACCORDANCE WITH THE GOVERNING CODE. PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND CHAPTER 1609 OF THE FLORIDA BUILDING CODE SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE ASD DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY AS SHOWN.
- 4. TOP AND BOTTOM DETAILS SHOWN MAY BE INTERCHANGED AS FIELD CONDITIONS DICTATE. PANELS MAY BE MOUNTED VERTICALLY OR HORIZONTALLY AS APPLICABLE.
- 5. SEPARATE 'SITE-SPECIFIC' SIGNED AND SEALED ENGINEERING SHALL BE REQUIRED IN ORDER TO DEVIATE, INTERPOLATE, AND EXTRAPOLATE FROM LOADS, DEFLECTIONS, OR SPANS CONTAINED HEREIN. CONTACT THIS ENGINEER AND VISIT THE ACCOMPANYING DIGITAL INFORMATION REFERENCED HEREIN FOR ALTERNATE SPAN CALCULATIONS AS MAY BE REQUIRED.
- 6. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY A 1.5 SAFETY FACTOR.
- 7. ALL STORM PANELS SHALL BE 5052-H32 OR 3004-H34 ALLOY ALUMINUM, t=0.05" AND CONFORM TO THE SPECIFICATIONS LISTED HEREIN.
- 8. THE STRUCTURAL ADEQUACY OF THE EXISTING STRUCTURE TO WITHSTAND SUPERIMPOSED LOADS BY THIS SYSTEM SHALL BE VERIFIED BY OTHERS. THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTEGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORDINATED BY THE PERMITTING CONTRACTOR. WOOD BUNKS (BY OTHERS) SHALL BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE EXISTING STRUCTURE.

#### SYSTEM PERFORMANCE DERIVATIONS

SYSTEM PERFORMANCE DERIVED FROM CERTIFIED TEST REPORT(S) #0319.01-21 BY AMERICAN TEST LAB OF SOUTH FLORIDA, INC. PER TAS 201, TAS 202, TAS 203, ASTM E330-02, ASTM E1886-13a & ASTM E1996-12a TEST STANDARD(S).

### **GENERAL NOTES** (CONTINUED):

9. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. IF SITE CONDITIONS DEVIATE FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS TO BE USED IN CONJUNCTION WITH THIS DOCUMENT.

10. ALL EXTRUSIONS SHALL BE 6063-T6 ALUMINUM ALLOY, UNLESS NOTED OTHERWISE. ALL TOLERANCES SHALL BE IN ACCORDANCE WITH ADM 2015.

11. CONCRETE ANCHORS NOTED HEREIN SHALL BE EMBEDDED TO NON-CRACKED CONCRETE ONLY. INSTALL ALL CONCRETE ANCHORS PER MANUFACTURER'S RECOMMENDATIONS.

12. PANELS SHALL BE PERMANENTLY LABELED WITH A MINIMUM OF (1) LABEL PER PANEL, CONTAINING THE FOLLOWING INFORMATION:

#### EASTERN METAL SUPPLY, INC. WEST PALM BEACH, FL ASTM E330, ASTM E1886 & ASTM E1996 (MISSILE LEVEL D) FLORIDA PRODUCT APPROVAL NUMBER

13. CONTRACTOR IS RESPONSIBLE TO INSULATE OR PROTECT ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

14. ALL FASTENERS TO BE ¼"Ø OR GREATER SAE GRADE 5 UNLESS NOTED OTHERWISE. FASTENERS SHALL BE CADMIUM-PLATED OR OTHERWISE CORROSION-RESISTANT MATERIAL AND SHALL COMPLY WITH "SPECIFICATIONS FOR ALUMINUM STRUCTURES" SECTION J.3.7.2 BY THE ALUMINUM ASSOCIATION, INC., & ANY APPLICABLE FEDERAL, STATE, AND/OR LOCAL CODES.

15. REFER TO FASTENER MANUFACTURER'S PUBLISHED DATA SHEETS AND RECOMMENDATIONS FOR FASTENER INSTALLATION INSTRUCTIONS.

16. ENGINEER SEAL AFFIXED HERETO VALIDATE STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, et. al. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST & DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, & CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.

17. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

18. PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.

19. ALTERATIONS ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.





TEI THE I 1

2

3

4

5-6

THE FOLLOWING ABBREVIATIONS APPEAR IN THIS APPROVAL: "INC." FOR "INCORPORATION", "CORP." FOR "CORPORATION", "ALUM" FOR "ALUMINUM, "ASD" FOR "ALLOWABLE STRESS DESIGN", "ASTM" FOR "AMERICAN SOCIETY FOR TESTING AND MATERIALS", "CS" FOR "CARBON STEEL", "CONN" FOR "CONNECTION", "EMBED" FOR "EMBEDMENT", "DIST." FOR "DISTANCE", "GA" FOR "GAUGE", "HVHZ" FOR "HIGH-VELOCITY HURRICANE ZONE", "LB" FOR "POUND", "MAX" FOR "MAXIMUM, "N.T.S." FOR "NOT TO SCALE", "PSF" FOR "POUNDS PER SQUARE FOOT (lb/ft2)", "SPECS" FOR "SPECIFICATIONS", "&" FOR "AND", "MAX" FOR "MAXIMUM", "W/" FOR "WITH", "EXIST" FOR "EXISTING, "STRUCT" FOR "STRUCTURE", "CONC." FOR "CONCRETE". CONTACT ENGINEERING EXPRESS FOR ADDITIONAL

 RICHARD NEET, P.E.
 OCTOBER 6, 2023

 P## 86488 CA# 9885
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I
 I

 I

#### **TERMINOLOGY:**

COVER SHEET

PARTS

TYP. VERTICAL MOUNT ELEVATION & DESIGN SCHEDULES

PANEL CONNECTION OPTIONS

ANCHOR SCHEDULE

ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

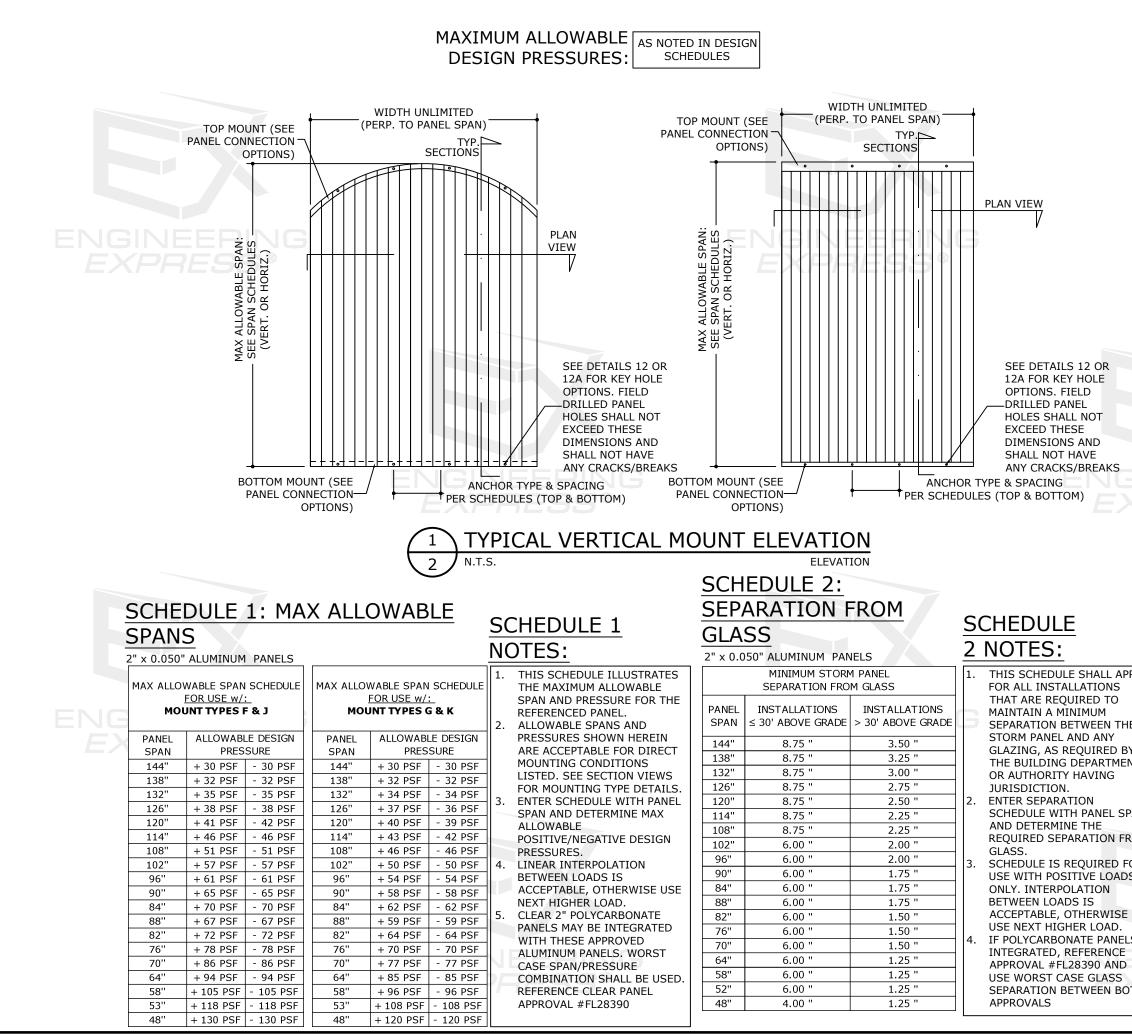
#### VISIT ECALC.IO/EASTERN

FOR SITE-SPECIFIC DEVIATIONS & MORE INFORMATION ABOUT THIS DOCUMENT OR SCAN THIS QR CODE VISIT <u>ENGINEERINGEXPRESS.COM/STORE</u>

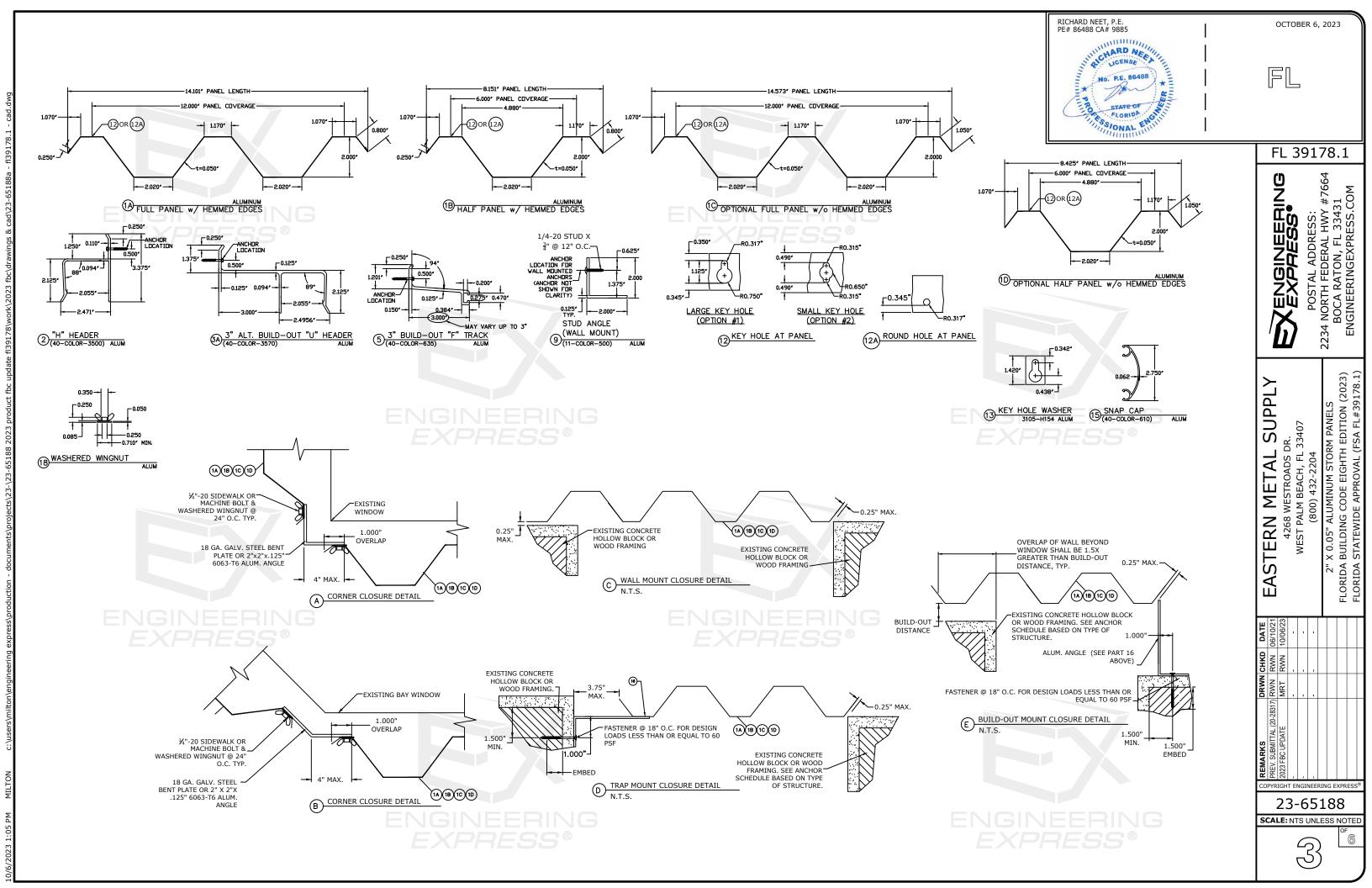
FOR ADDITIONAL PLANS, REPORTS & RESOURCES

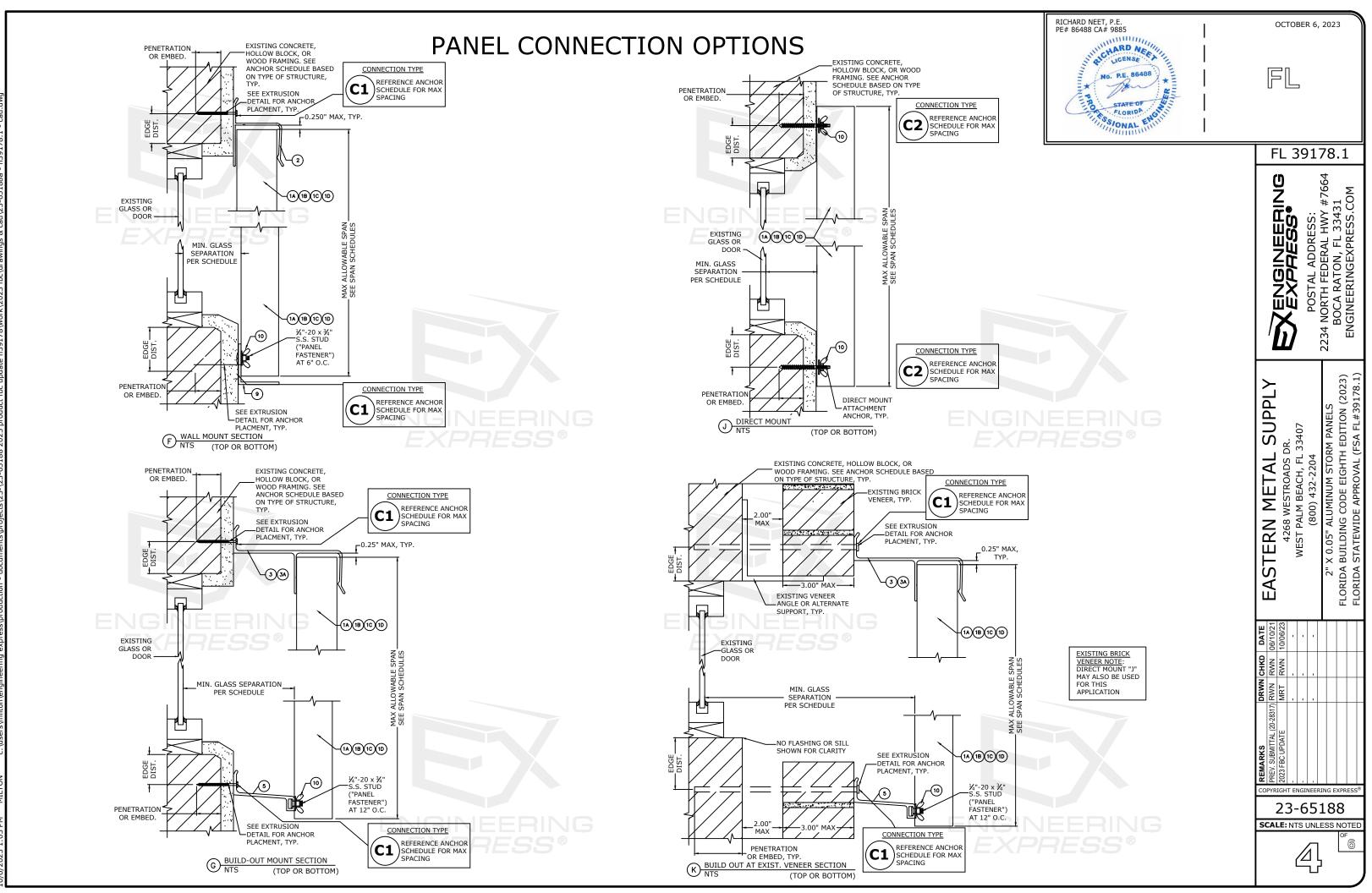


	S	CO	REMARKS	DRWN	СНКD	DATE			
			FREV. SUBMITTAL (20-28317)	RWN	RWN	06/10/21			F
	2.	IGH	2023 FBC UPDATE	MRT	RWN	10/06/23			Ľ
	_	_		,					( , )
ſ	_	_	-	,			WEST PALM BEACH, FL 33407		39
	_	_		,			(800) 432-2204	POSTAL ADDRESS:	1
								_	7
	.8 ss						2" X 0.05" ALUMINUM STORM PANELS	1001	'8
OF	8 NO						FLORIDA BUILDING CODE EIGHTH EDITION (2023)	BUCA KAI UN, FL 33431	.1
6	TE	ESS					ELOBTOA CTATEWINE APPROVAL /ECA EL#20170 1)	ENGINEERINGEXPRESS.COM	
	D	,°°	R				FLORIDA STATEWIDE AFFROVAE (TSA FE# 391/0.1)		



RICHARD NEET, P.E. PE# 86488 CA# 9885	OCTOBER 6, 2023
No. P.E. 86488	
	FL 39178.1
	POSTAL ADDRESS: POSTAL ADDRESS: POCA RATON, FL 33431 ENGINEERINGEXPRESS.COM
PRESS®	EASTERN METAL SUPPLY A268 WESTROADS DR. 4268 WESTROADS DR. WEST PALM BEACH, FL 33407 (800) 432-2204 2" X 0.05" ALUMINUM STORM PANELS FLORIDA BUILDING CODE EIGHTH EDITION (2023)
HE BY INT PAN ROM FOR DS	REMARKS     DRWN     DHKD     DATE       PREV. SUBMITTAL (20-28317)     RWN     RWN     06/10/21       2023 FBC UPDATE     MRT     RWN     10/06/23       1     -     -     -       2     -     -     -       -     -     -     -       -     -     -     -
LS	COPYRIGHT ENGINEERING EXPRESS 23-65188
SINEERING	SCALE: NTS UNLESS NOTE
THPRESS®	$2^{16}$





#### ANCHOR SPACING SCHEDULES:

#### 2" x 0.050" ALUMINUM PANELS

= >	(PRFSS®							
-			ANC	HOR SPACI	NG BY SPA	N AND CO	NNECTION 7	TYPE
HOST	ANCHOR	LOAD	Spans Up	) To 4'-0"	Spans Up	To 8'-6"	Spans Up	To 12'-0"
SC	ANCHOR	(psf)	CONN	TYPE	CONN	TYPE	CONN	TYPE
ΞC			C1	C2	C1	C2	C1	C2
	1/4" ITW TAPCON or DEWALT	30	12.0"	12.0"	12.0"	12.0"	8.5"	6.0"
	ULTRACON WITH 1-3/4" EMBED AND	45	12.0"	12.0"	8.0"	6.0"		
	1-1/2" MIN EDGE DISTANCE (3050	60	12.0"	12.0"	6.0"	6.0"		
	psi MIN CONCRETE)	75	10.0"	6.0"				
	FI	90	8.5"	6.0"				
		105	7.0"	6.0"				
		130	5.5"	6.0"				
	1/4" ELCO/DEWALT PANELMATE	30	12.0"	12.0"	12.0"	12.0"	8.5"	6.0"
	(FEMALE, MALE, or PLUS) W/ 2"	45	12.0"	12.0"	8.0"	6.0"		
	EMBED AND 2-1/2" MIN EDGE	60	12.0"	12.0"	6.0"	6.0"		
	DISTANCE (3350 psi MIN CONC)	75	10.5"	6.0"				
		90	8.5"	6.0"				
		105	7.5"	6.0"				
		130	6.0"	6.0"				
	1/4-20 DEWALT CALK-IN ANCHOR	30	12.0"	12.0"	12.0"	12.0"	9.5"	6.0"
Ë	W/ 7/8" EMBED AND 3-1/2" MIN	45	12.0"	12.0"	9.0"	6.0"		
Ш,	EDGE DISTANCE (3000 psi MIN	60	12.0"	12.0"	6.5"	6.0"		
CONCRET	CONCRETE)	75	11.5"	12.0"				
6		90	9.5"	6.0"				
Õ		105	8.0"	6.0"				
		130	6.5"	6.0"				
	1/4" DEWALT STEEL DROPIN	30	12.0"	12.0"	12.0"	12.0"	12.0"	6.0"
	ANCHOR W/ 1" EMBED AND 3-1/2"	45	12.0"	12.0"	11.5"	12.0"		
	MIN EDGE DISTANCE (3000 psi MIN	60	12.0"	12.0"	8.5"	6.0"		
	CONCRETE)	75	12.0"	12.0"				
		90	12.0"	12.0"				
		105	10.5"	12.0"				
1		130	8.5"	6.0"				
J	1/4-20 ALL POINTS SOLID- SET	30	12.0"	12.0"	9.5"	6.0"	6.5"	6.0"
	WITH 7/8" EMBED AND 1-1/4" MIN	45	12.0"	12.0"	6.5"	6.0"		
-	EDGE DISTANCE (3000 psi MIN	60	10.0"	6.0"	4.5"			
	CONCRETE)	75	8.0"	6.0"				
		90	6.5"	6.0"				
		105	5.5"	6.0"				
		130	4.5"	6.0"				

# ANCHOR NOTES:

1. ANCHOR SCHEDULE APPLIES TO ALL PRODUCTS CER ONLY PROVIDES MAXIMUM ALLOWABLE ANCHOR SPACING ALLOWABLE SPANS AND PRESSURES INDICATED IN SPAN APPLY.

2. ENTER ANCHOR SCHEDULE BASED ON PANEL FASTEM EXISTING STRUCTURE MATERIAL, & ANCHOR TYPE. SELEC GREATER THAN OR EQUAL TO NEGATIVE DESIGN LOAD ON SPAN GREATER THAN OR EQUAL TO SHUTTER SPAN.SELEC BASED ON APPROPRIATE MOUNTING CONDITION (SEE MOUNTING SHEET 3 FOR IDENTIFICATION OF CONNECTION TYPE).

3. "PANEL FASTENERS" ARE STUDS USED IN CONJUNCT MOUNTING EXTRUSIONS ("F"-TRACK, STUDDED ANGLE, ET FASTENERS" SHALL BE SPACED AT 12" O.C. ALL END PANE PANEL FASTENERS, TYP.

4. ANCHORS SHALL BE INSTALLED IN ACCORDANCE W. RECOMMENDATIONS.

5. HOLLOW BLOCK HOST STRUCTURE SHALL CONFORM

MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCH
MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUE
BRICK, AND OTHER WALL FINISHES. WALL FINISHES SHAL
MAX OR SHALL BE VERIFIED BY OTHERS TO ADEQUATELY
HOST STRUCTURE.

8. CONCRETE ANCHORS NOTED HEREIN SHALL BE EMBE CONCRETE ONLY.

9. WHERE EXISTING STRUCTURE IS WOOD FRAMING, E MAY VARY. FIELD VERIFY THAT FASTENERS ARE INTO ADE FRAMING MEMBERS, NOT PLYWOOD. FASTENING TO PLYW ONLY FOR SIDE CLOSURE PIECES.

10. WHERE ANCHORS FASTEN TO NARROW FACE OF STU SHALL BE LOCATED IN CENTER OF NOMINAL 2" X 4" (MIN.) EDGE DISTANCE IS ACCEPTABLE FOR WOOD FRAMING). W G=0.42 OR GREATER DENSITY, U.N.O. LAG SCREWS SHALL HEAD OR HEX HEAD.

11. REMOVABLE ANCHORS ARE: DEWALT PANELMATE, A 12. MACHINE SCREWS SHALL HAVE 1/2" MINIMUM ENGA INTO THE BASE ANCHOR AND MAY HAVE EITHER A PAN HE WAFER HEAD (SIDEWALK BOLT) U.N.O.

13.2020 DESIGNATES ANCHOR CONDITIONS WHICH ARE N 14.  $\star$  DIRECT MOUNTING CONDITIONS.

15. LINEAR INTERPOLATION IS NOT PERMITTED FOR USE SCHEDULES LISTED ON THIS SHEET.

16. PROVIDE KEYHOLE WASHER FOR 1/4-20 SIDEWALK E SCREWS).

### ALTERNATE ANCHOR NOTE:

FOR ALL  $\frac{1}{4}$ " AND  $\frac{5}{16}$ " DIAMETER ANCHOR OPTIONS LISTED IN SCHEDULES, AN EQUIVALENT DIAMETER HILLMAN/ALL-POI ANCHOR (CARBON OR STAINLESS STEEL) MAY BE USED IN OPTION(S) LISTED SO LONG AS THE LISTED MINIMUM EME DISTANCE AND SPACING ARE ACHIEVED.

> ENC E>



RICHARD NEET, P.E. PE# 86488 CA# 9885	
	FL 39178.1
RTIFIED HEREIN, BUT S. MAXIMUM SCHEDULE SHALL NER SPACING, THE CT DESIGN LOAD N SHUTTER AND SELECT CT CONNECTION TYPE DUNTING DETAILS ON TION WITH ALL TC.). "PANEL EL HOLES SHALL HAVE	POSTAL ADDRESS POSTAL ADDRESS: 2234 NORTH FEDERAL HWY #7664 BOCA RATON, FL 33431 ENGINEERINGEXPRESS.COM
ITH MANUFACTURERS' ITO ASTM C90 BLOCK. HOR SCHEDULE. DES STUCCO, FOAM, LL BE LIMITED TO 1/4" TRANSFER LOADS TO BEDDED TO UN-CRACKED EXISTING CONDITIONS EQUATE WOOD WOOD IS ACCEPTABLE UD FRAMING, FASTENER .) WOOD STUD (¾" WOOD STUD CMALL BE LL HAVE PHILLIPS PAN ALL-POINTS SOLID-SET. AGEMENT OF THREADS EAD, TRUSS HEAD, OR	EASTERN METAL SUPPLY 4268 WESTROADS DR. WEST PALM BEACH, FL 33407 (800) 432-2204 2" X 0.05" ALUMINUM STORM PANELS FLORIDA BUILDING CODE EIGHTH EDITION (2023) FLORIDA STATEWIDE APPROVAL (FSA FL#39178.1)
NOT ACCEPTABLE USES. E WITH THE ANCHOR BOLTS (OR TRUSS HEAD IN THE ANCHOR DINTS SOLID-SET N LIEU OF THE IBEDMENT, EDGE	REMARKS     DRWN     CHKD     DATE       PREV. SUBMITTAL     06/10/21     06/10/21       2023 FBC UPDATE     MRT     RWN     10/06/23       -     -     -     -       -     -     -     -       -     -     -     -       -     -     -     -
	23-65188 SCALE: NTS UNLESS NOTED

# ANCHOR SPACING SCHEDULES:

#### 2" x 0.050" ALUMINUM PANELS

Ē			ANC	HOR SPACI	NG BY SPAN AND CONNECTION TYPE				
HOST STRUCT.	ANCHOR	LOAD	Spans Up	<u>o To 4'-0"</u>	Spans Up	<u>To 8'-6"</u>	Spans Up	To 12'-0"	
IS N	ANCHOR	(psf)	CONN	I TYPE	CONN	TYPE	CONN	TYPE	
<mark>ы г</mark>			C1	C2	C1	C2	C1	C2	
	1/4" ITW TAPCON or DEWALT	30	12.0"	12.0"	9.0"	6.0"	6.5"	6.0"	
	ULTRACON WITH 1-3/4" EMBED AND	45	12.0"	12.0"	6.0"	6.0"			
	1-1/2" MIN EDGE DISTANCE (1900	60	10.0"	6.0"	4.5"				
	psi MIN CMU - GROUT FILLED ONLY)	75	8.0"	6.0"					
	-	90	6.5"	6.0"					
		105	5.5"	6.0"					
		130	4.5"						
	1/4" ELCO PANELMATE (FEMALE,	30	12.0"	12.0"	9.5"	6.0"	6.5"	6.0"	
×	MALE, or PLUS) W/ 1-1/4" EMBED	45	12.0"	12.0"	6.5"	6.0"			
BLOCK	AND 2" MIN EDGE DISTANCE (2000	60	10.0"	12.0"	4.5"				
E.	psi MIN CMU)	75	8.0"	6.0"					
		90	6.5"	6.0"					
щ		105	5.5"	6.0"					
	[]	130	4.5"						
BLOCK or GROUT-FILLED	1/4-20 DEWALT CALK-IN W/ 7/8"	30	12.0"	12.0"	7.5"	6.0"	5.5"	6.0"	
5	EMBED AND 2-1/2" MIN EDGE	45	11.0"	12.0"	5.0"	6.0"			
8	DISTANCE (1500 psi MIN CMU	60	8.0"	6.0"					
5	w/GROUT FILL)	75	6.5"	6.0"					
P P		90	5.5"	6.0"					
×		105	4.5"						
8		130							
В	1/4 DEWALT ZAMAC NAILIN W/ 1-	30	12.0"	12.0"	7.5"	9.0"	5.5"	6.0"	
	1/4" EMBED AND 3" MIN EDGE	45	11.0"	12.0"	5.0"	6.0"			
0	DISTANCE (1500 psi MIN CMU)	60	8.0"	6.0"					
		75	6.5"	6.0"					
HOLLOW		90	5.5"	6.0"					
_		105	4.5"						
		130							
	1/4-20 ALL POINTS SOLID- SET	30	12.0"	12.0"	5.5"	6.0"	4.0"		
	WITH 7/8" EMBED AND 1-1/4" MIN	45	8.0"	6.0"					
	EDGE DISTANCE (1800 psi MIN CMU)	60	6.0"	6.0"					
		75	4.5"						
		90	4.0"						
		105							
		130		VIIIIIIII					

Image: Process (Process (P					7					No No	P.E. 9885 NUMERICAN STATE OF FLORIDA CONTRACTOR STATE OF FLORIDA CONTRACTOR STATE OF	OCTOBER 6,	
ANCHOR     IOAD     Anchor Spacing By Span And Connection Type     Spans Up To 8:-6"												FL 3917	78.1
Image: 105     5.0°     1.0°     2.0°     1.0°	_ _		ENGINE	EF			ING BY SPA			TYPE	-	<b>SS</b> EERING	_ HWY #7664 L 33431 RESS.COM
Image: 105     5.0°     1.0°     2.0°     1.0°	L S	RUCT	ANCHOR		Spans Up	<u>o To 4'-0"</u>	Spans Up	<u>5 To 8'-6"</u>	Spans l	<u>Jp To 12'-0"</u>	-		I, FI
Image: 105     5.0°     1.0°     2.0°     1.0°     1.2°     1.2°       130     4.0°     3.0°     6.0°     5.5°     6.0°     3.5°     1.2°	Юн	STF		(psr)	C1	C2	C1	C2	C1	C2	]	₩ ~ ~	
Image: 105     5.0°     1.0°     2.0°     1.0°     1.2°     1.2°       130     4.0°     3.0°     6.0°     5.5°     6.0°     3.5°     1.2°					12.0"	12.0"		6.0"	5.5"	6.0"			H F RA
Image: 105     5.0°     1.0°     2.0°     1.0°													LA H
Image: 105     5.0°     1.0°     2.0°     1.0°     1.2°     1.2°       130     4.0°     3.0°     6.0°     5.5°     6.0°     3.5°     1.2°			DISTANCE (G=0.42 Min)		7.0"				X				
1/4" DEWALT ULTRACON WITH 1-3/8" THREAD PEN. AND 3/4" MIN EDGE DISTANCE (G=0.42 MIN)   12.0" 45   12.0" 12.0"   13.0 5.5"   6.0" 6.0"   5.5"   6.0" 6.0"   5.5"   6.0"   5.0"   6.0"   5.0"   6.0"   5.0"   6.0"   5.0"   6.0"   5.0"   5.0"   5.0"   5.0"   5.0" <td></td> <td></td> <td>Fl</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>/<b>(</b>)</td> <td>EN 34</td>			Fl									/ <b>(</b> )	EN 34
1/4" DEWALT ULTRACON WITH EDGE DISTANCE (G=0.42 MIN)   30   12.0"   12.0"   8.0"   6.0"   5.5"   6.0"     1/4" ELCY (G=0.42 MIN)   30   12.0"   12.0"   5.5"   6.0"   3.5"   1.0"     1/4" ELCY/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 1-7/8"   30   12.0"   12.0"   12.0"   5.5"   6.0"   3.5"   1.0"     1/4" ELCY/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 1-7/8"   30   12.0"   12.0"   12.0"   5.5"   6.0"   3.6"   1.0"     1/4" ELCY/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 1-7/8"   30   12.0"   12.0"   12.0"   12.0"   12.0"   12.0"   10.0"   1.0"   10"													52
EDGE DISTANCE (G=0.42 MIN)   60   8.5"   6.0"   4.0"   90°   2.5"   8.3°     1/4" ELCO/DEWALT PANELMATE (FEMALE, MALE, or PLUS) W/ 1-7/8" EMBED AND 3/4" MIN EDGE DISTANCE (G=0.42 MIN)   100   1.0"				30	12.0"	12.0"	8.0"	6.0"	5.5"				
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td></td> <td>.1)</td>													.1)
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td></td> <td></td> <td>EDGE DISTANCE (G=0.42 MIN)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Y</td> <td>A CONTRACTOR OF THE OWNER OF THE</td> <td></td> <td></td> <td>202 178</td>			EDGE DISTANCE (G=0.42 MIN)						Y	A CONTRACTOR OF THE OWNER OF THE			202 178
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td></td> <td></td> <td></td> <td>90</td> <td>5.5"</td> <td></td> <td></td> <td></td> <td>X</td> <td>No No N</td> <td></td> <td></td> <td>N ( 139:</td>				90	5.5"				X	No N			N ( 139:
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td></td> <td>ING</td> <td></td> <td>ANE TIO FL#</td>											ING		ANE TIO FL#
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td></td> <td></td> <td>1/4" ELCO/DEWALT PANELMATE</td> <td></td> <td></td> <td>12 0"</td> <td>12 0"</td> <td>12 0"</td> <td>9 5"</td> <td>6.0"</td> <td>6®</td> <td><b>S</b> M M M M M M M M M M M M M M M M M M M</td> <td>1 P/ EDI</td>			1/4" ELCO/DEWALT PANELMATE			12 0"	12 0"	12 0"	9 5"	6.0"	6®	<b>S</b> M M M M M M M M M M M M M M M M M M M	1 P/ EDI
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>111111111111111111111111111111111111111</td> <td></td> <td></td> <td></td> <td>RNA H H H H H</td>									111111111111111111111111111111111111111				RNA H H H H H
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td>6</td> <td>3</td> <td>EMBED AND 3/4" MIN EDGE</td> <td></td> <td>12.0"</td> <td>12.0"</td> <td>6.5"</td> <td></td> <td>X</td> <td></td> <td></td> <td>ADS 4, F</td> <td>STC GHT VAL</td>	6	3	EMBED AND 3/4" MIN EDGE		12.0"	12.0"	6.5"		X			ADS 4, F	STC GHT VAL
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td>4</td> <td></td> <td>DISTANCE (G=0.54 MIN)</td> <td>75</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>ΜŪ</td>	4		DISTANCE (G=0.54 MIN)	75									ΜŪ
130   6.5"   6.0"   4.0"   2.0"   2.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"     1/4-20 PANELMATE INSERT WITH   30   12.0"   12.0"   8.5"   6.0"   6.0"   6.0"   10"     1-5/8" EMBED AND 3/4" MIN EDGE   45   12.0"   12.0"   5.5"   6.0"   4.0" </td <td></td> <td>11NI DDE APP</td>													11NI DDE APP
*   90   6.0"   6.0"   2.0   2.0   2.0     105   5.0"   6.0"   2.0   2.0   2.0   2.0     1/4" WOOD OR LAG SCREW WITH   130   4.0"   4.0"   4.0"   4.0"   4.0"     1/4" WOOD OR LAG SCREW WITH   30   12.0"   7.5"   6.0"   5.0"   6.0"     1.3/8" MIN THREAD PEN. AND 3/4"   45   10.5"   12.0"   5.0"   3.5"   4.0     MIN EDGE DISTANCE (G=0.42 MIN)   60   8.0"   6.0"   3.5"   4.0   4.0     90   5.0"   6.0"   3.5"   4.0   4.0   4.0   4.0			ч	130	6.5"	6.0"							UN CO
*   90   6.0"   6.0"   2.0   2.0   2.0     105   5.0"   6.0"   2.0   2.0   2.0   2.0     1/4" WOOD OR LAG SCREW WITH   130   4.0"   4.0"   4.0"   4.0"   4.0"     1/4" WOOD OR LAG SCREW WITH   30   12.0"   7.5"   6.0"   5.0"   6.0"     1.3/8" MIN THREAD PEN. AND 3/4"   45   10.5"   12.0"   5.0"   3.5"   4.0     MIN EDGE DISTANCE (G=0.42 MIN)   60   8.0"   6.0"   3.5"   4.0   4.0     90   5.0"   6.0"   3.5"   4.0   4.0   4.0   4.0										6.0"			ING " AI
*   90   6.0"   6.0"   2.0   2.0   2.0     105   5.0"   6.0"   2.0   2.0   2.0   2.0     1/4" WOOD OR LAG SCREW WITH   130   4.0"   4.0"   4.0"   4.0"   4.0"     1/4" WOOD OR LAG SCREW WITH   30   12.0"   7.5"   6.0"   5.0"   6.0"     1.3/8" MIN THREAD PEN. AND 3/4"   45   10.5"   12.0"   5.0"   3.5"   4.0     MIN EDGE DISTANCE (G=0.42 MIN)   60   8.0"   6.0"   3.5"   4.0   4.0     90   5.0"   6.0"   3.5"   4.0   4.0   4.0   4.0					9.0"	<u> </u>						ES1 45	.05 (LD: ATE
*   90   6.0"   6.0"   2.0   2.0   2.0     105   5.0"   6.0"   2.0   2.0   2.0   2.0     1/4" WOOD OR LAG SCREW WITH   130   4.0"   4.0"   4.0"   4.0"   4.0"     1/4" WOOD OR LAG SCREW WITH   30   12.0"   7.5"   6.0"   5.0"   6.0"     1.3/8" MIN THREAD PEN. AND 3/4"   45   10.5"   12.0"   5.0"   3.5"   4.0     MIN EDGE DISTANCE (G=0.42 MIN)   60   8.0"   6.0"   3.5"   4.0   4.0     90   5.0"   6.0"   3.5"   4.0   4.0   4.0   4.0			515 H/WCE (C=0: 12 HMV)						X			l⊟ ≥	X 0 BUJ ST/
1/4" WOOD OR LAG SCREW WITH   30   12.0"   7.5"   6.0"   5.0"   6.0"     1-3/8" MIN THREAD PEN. AND 3/4"   45   10.5"   12.0"   5.0"   3.5"   3.5"     MIN EDGE DISTANCE (G=0.42 MIN)   60   8.0"   6.0"   3.5"										X		N I	DA 2"
1/4" WOOD OR LAG SCREW WITH   30   12.0"   7.5"   6.0"   5.0"   6.0"     1-3/8" MIN THREAD PEN. AND 3/4"   45   10.5"   12.0"   5.0"   3.5"   3.5"     MIN EDGE DISTANCE (G=0.42 MIN)   60   8.0"   6.0"   3.5"													ORI ORI
MIN EDGE DISTANCE (G=0.42 MIN) 60 8.0" 6.0" 3.5" 6.0" 75 6.5" 6.0" 75 6.5" 6.0"			1/4" WOOD OR LAG SCREW WITH	30	12.0"				5.0"			1	1 H 1 H
MANUAL CONTRACTOR   60   8.0°   6.0°   3.5°     75   6.5°   6.0°   4.5°   4.5°     90   5.0°   6.0°   4.5°   4.5°     105   4.5°   4.5°   4.5°   4.5°     130   3.5°   4.5°   4.5°   4.5°												<b>~</b>	
Image: Solution of the second seco			MIN EDGE DISTANCE (G=0.42 MIN)						X			<b>JATE</b> 110/2 -	
105 4.5" 30 3.5"   130 3.5" 3.5"			<b>☐</b>	90	5.0"							100 L	++++
			4							<u> </u>			
				130	3.5		X/////////////////////////////////////		X/////////////////////////////////////			S Z L	
												8317)	
8317	N	c	EDADATE CHEET									E (20-2	
	'I N	2	SEPARATE SHEET										
N SEPARATE SHEET												<b>NRKS</b> SUBM BC UF	
N SEPARATE SHEET												223 FI	
N SEPARATE SHEET												ビ 으 전  ,   ,   , COPYRIGHT ENGINEER	ING EXPRESS <sup>®</sup>
0-283317													
IN SEPARATE SHEET													
N SEPARATE SHEET												SCALE: N IS UNLE	OF
IN SEPARATE SHEET													6
Image: Constraint of the second of the se												(6)	)
N SEPARATE SHEET													ノ

## SEE ANCHOR NOTES ON