

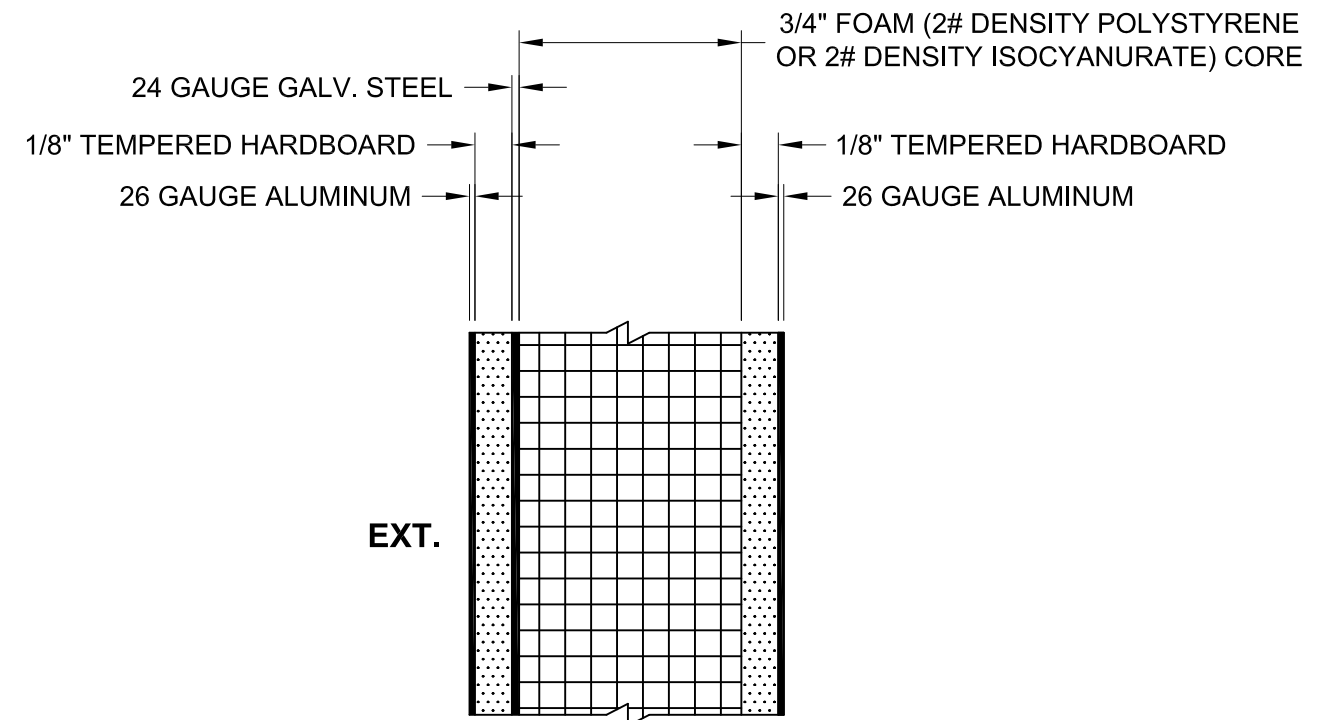
GENERAL NOTES

1. THIS PANEL PRODUCT SHALL BE USED AS A COMPONENT, IN GLAZED-IN PANEL CONFIGURATIONS, REPLACING 1" DEPTH WET-GLAZED PANELS (INSULATING GLASS OR OTHERWISE) IN CURTAINWALL, STOREFRONT, OR WINDOW PRODUCTS WITH SEPARATE PRODUCT APPROVAL APPROPRIATE FOR THE INSTALLATION LOCATION. THE LESSER OF THE DESIGN PRESSURE RATINGS OF THIS PANEL OR THE FRAMING SYSTEM SHALL APPLY TO THE ENTIRE SYSTEM.
2. THIS PRODUCT HAS BEEN TESTED TO TAS 201/202/203, AND MEETS THE REQUIREMENTS OF THE 6TH ED. (2017) FLORIDA BUILDING CODE INCLUDING THE HIGH VELOCITY HURRICANE ZONE.
3. THIS PRODUCT, FABRICATED AND ANCHORED AS DETAILED IN THIS DRAWING, IS LARGE MISSILE IMPACT AND DOES NOT REQUIRE THE USE OF IMPACT PROTECTIVE DEVICES (SHUTTERS) IN WINDBORNE DEBRIS REGIONS.
4. SEALING AND FLASHING STRATEGIES FOR OVERALL WATER INFILTRATION PERFORMANCE AND WATER MANAGEMENT OF THE INSTALLED SYSTEM SHALL BE THE RESPONSIBILITY OF OTHERS AND IS NOT ADDRESSED BY THIS DOCUMENT. THESE PANELS ARE NOT INTENDED TO BE SUBMERGED IN WATER.
5. THE TESTED PRODUCT CONFIGURATION IS AS SHOWN IN THESE DRAWINGS; OTHER ALLOWABLE CONFIGURATIONS MAY BE APPROVED BY A LICENSED DESIGN PROFESSIONAL ON A SITE SPECIFIC BASIS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION.
6. THE DESIGN PRESSURE RATINGS IN THIS DRAWING ARE AS LIMITED BY STRUCTURAL, IMPACT/CYCLIC, AND WATER TESTED PRESSURES ON THE CONFIGURATION INDICATED. STRUCTURAL OVERLOAD OF 1.5X DESIGN LOAD WAS PERFORMED. SYSTEM AS SHOWN HEREIN WAS TESTED TO 11.25 PSF WATER.
7. THE 4/3 ALLOWABLE STRESS INCREASE FACTOR (SHORT-TERM INCREASE FACTOR) HAS NOT BEEN USED IN THE ANCHOR ANALYSIS FOR THIS SYSTEM. THE 1.6 Cd FACTOR WAS USED IN THE ANALYSIS OF ANCHORAGE INTO WOOD SUBSTRATE.
8. THE OPENING SUBSTRATE SHALL BE ENGINEERED BY OTHERS OR AS APPROVED BY THE AUTHORITY HAVING JURISDICTION (A.H.J.). BUCKING, OPENINGS, & FASTENERS MUST BE PROPERLY DESIGNED & INSTALLED BY OTHERS IN ACCORDANCE WITH THE FBC TO TRANSFER SUPERIMPOSED LOADS TO THE STRUCTURE. ADEQUACY OF THE STRUCTURE TO RECEIVE THESE LOADS SHALL BE VERIFIED BY THE CONTRACTOR OR A.H.J. WHEN INSTALLING INTO CONCRETE (OR MASONRY AT JAMBS ONLY) WITH WOOD BUCKS LESS THAN 1-1/2" THICK, ANCHOR EMBEDMENT SHALL BE INTO CONCRETE (OR MASONRY AT JAMBS ONLY). WHEN INSTALLING INTO WOOD BUCKS 1-1/2" OR THICKER OVER CONCRETE (OR MASONRY AT JAMBS ONLY), ANCHOR EMBEDMENT SHALL BE INTO THE WOOD.
9. DISSIMILAR MATERIALS THAT COME INTO CONTACT SHALL BE COATED OR OTHERWISE PROTECTED TO PREVENT GALVANIC REACTIONS. WOOD BUCKS, IF USED, SHALL BE PRESSURE TREATED, WITH EITHER A TREATMENT OR COATING COMPATIBLE WITH THIS PRODUCT. ALL ANCHORS USED SHALL BE OF A MATERIAL OR HAVE A COATING COMPATIBLE WITH THE PRESSURE TREATED WOOD BUCKS AND ALL OTHER PRODUCT MATERIALS.
10. ALL FASTENERS SHALL BE IN ACCORDANCE WITH THESE DRAWINGS, OR AS APPROVED, SIGNED, AND SEALED BY A FLORIDA-REGISTERED DESIGN PROFESSIONAL ON A SITE-SPECIFIC BASIS.

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MAPESHIELD PANEL HBD/STY ALUMINUM SKINNED SPANDREL PANEL



**MAPES HBD/STY
PANEL CONSTRUCTION**

DESIGN PRESSURE TABLE

DESIGN PRESSURE RATING	IMPACT RATING
+/-75.0 PSF	LARGE AND SMALL MISSILE



MAPES PANELS, LLC
2929 CORNHUSKER HIGHWAY
LINCOLN, NEBRASKA 68501

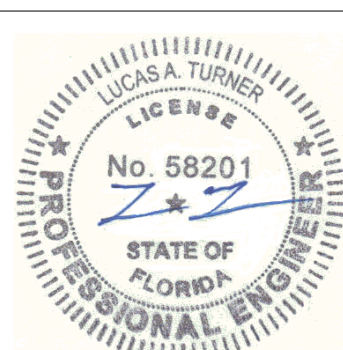
SHEET DESCRIPTION:
NOTES, PANEL DETAIL

DATE DRAWN:
6/7/2020

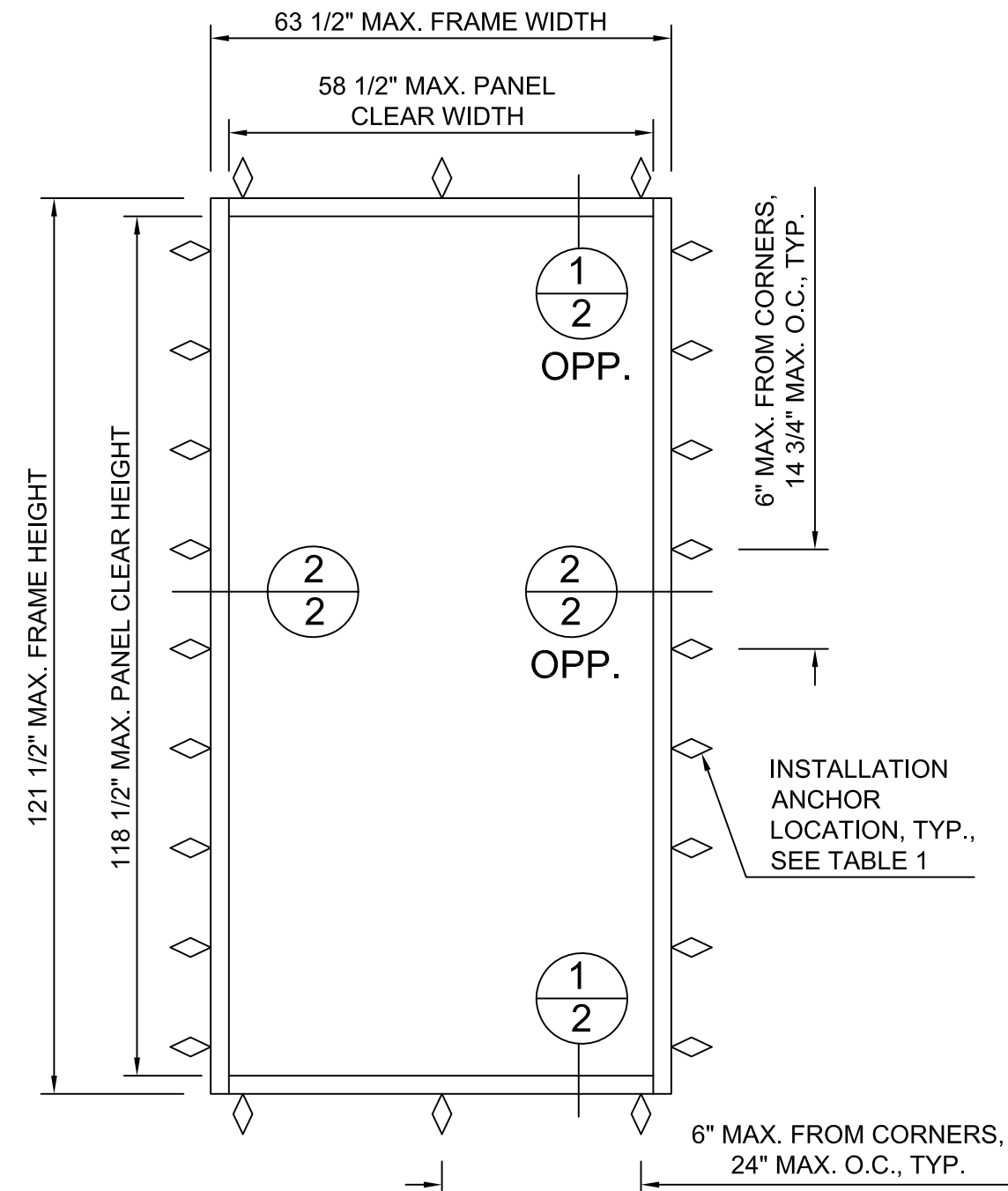
REV: 0

DRAWING: FPA-MAPES-HBD-STY

SHEET: 1 OF 2



6/9/2020
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ELEVATION
 NOTE: PRODUCT MAY BE ROTATED
 90 DEG. TO SWAP WIDTH/HEIGHT

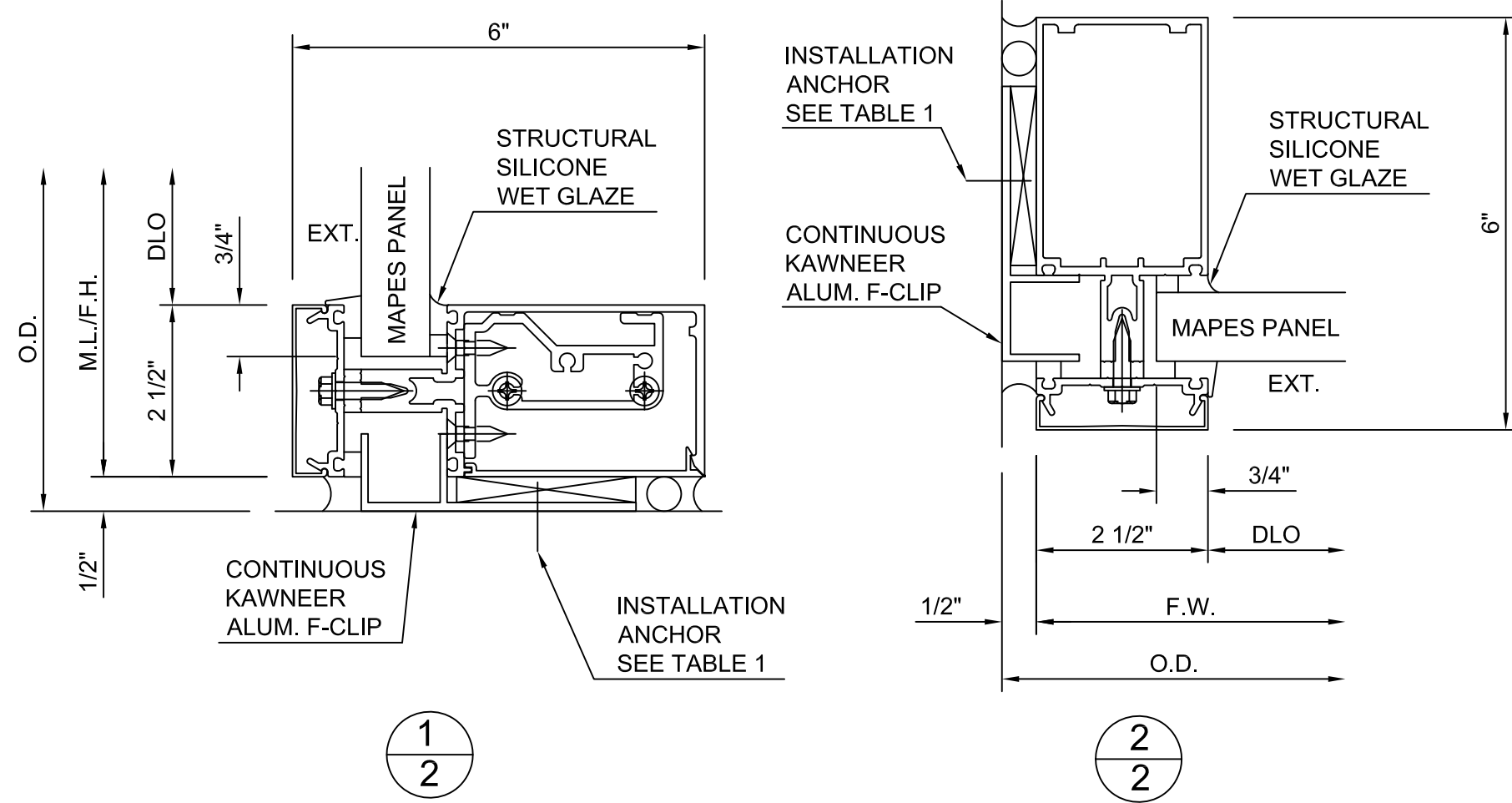


TABLE 1. QUALIFIED ANCHOR INFORMATION

ID	SUBSTRATE	ANCHOR	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	CONCRETE OR GROUT-FILLED CMU (2850 PSI MIN)	1/4" ELCO COATED CARBON STEEL ULTRACON	1 3/4"	2 1/2"
B	CONCRETE OR GROUT-FILLED CMU (2000 PSI MIN)	1/4" ITW COATED CARBON STEEL TAPCON	1 1/2"	3"
C	CONCRETE (3000 PSI MIN)	1/4" ITW 410 STAINLESS TAPCON	1 3/4"	2 1/2"
D	CONCRETE (3000 PSI MIN)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
E	HOLLOW OR GROUT-FILLED CMU (ASTM C-90)	1/4" HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II	1"	2 1/2"
F	2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)	1/4" GRADE 5 WOOD SCREW	1 3/8"	1"
G	16 GAUGE (0.060") MIN. STEEL STUD 33 KSI YIELD MIN.	1/4-24 ITW TEKS SELF-DRILLING SCREW	SEE NOTE	1/2"
H	1/8" ALUM. 6063-T5 MIN. OR 1/8" STEEL 33 KSI MIN.	1/4" GRADE 5 SELF-TAPPING / DRILLING SCREW	SEE NOTE	1/2"

NOTE: ANCHORS THROUGH METAL SHALL PROVIDE THREAD ENGAGEMENT THROUGH THE METAL THICKNESS W/ MIN. 3 THREADS BEYOND



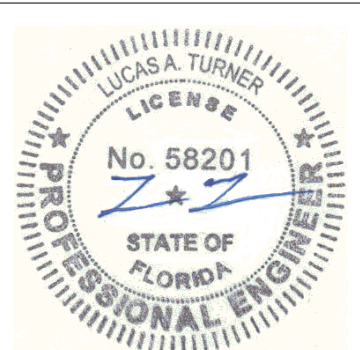
MAPES PANELS, LLC
 2929 CORNHUSKER HIGHWAY
 LINCOLN, NEBRASKA 68501

SHEET DESCRIPTION:
 TESTED CONFIG., ANCHOR TABLE

DATE DRAWN:
 6/7/2020

DRAWING: FPA-MAPES-HBD-STY

REV: 0
 SHEET: 2 OF 2



6/9/2020
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