

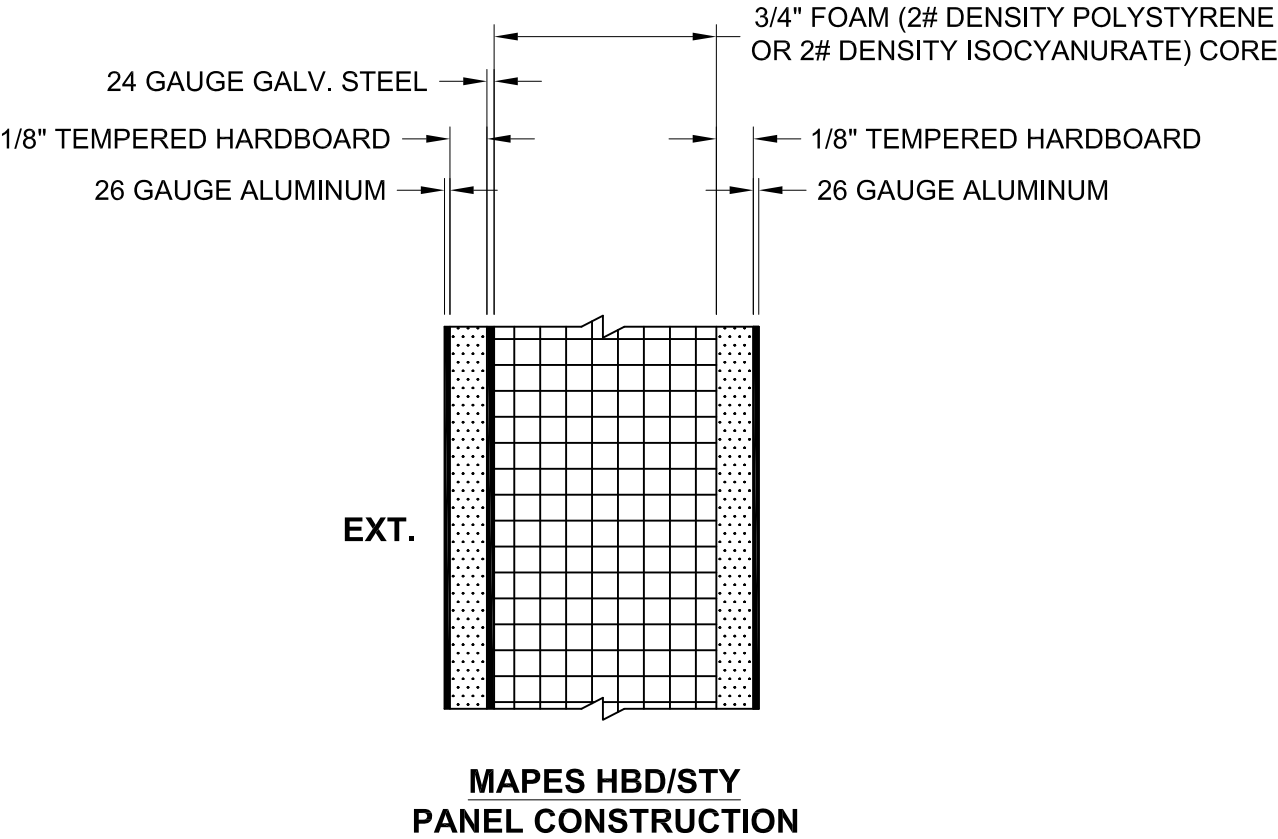
GENERAL NOTES

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 8TH ED. (2023) 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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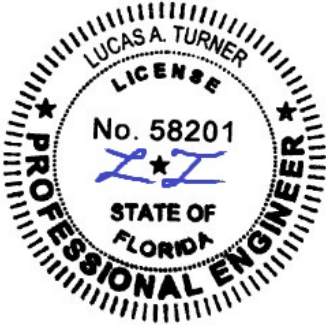
MAPESHIELD PANEL HBD/STY ALUMINUM SKINNED SPANDREL PANEL



DESIGN PRESSURE TABLE

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

Lucas Turner  
2024.02.29  
15:04:58  
-06'00'



2/29/2024  
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FL PE #58201  
Turner Engineering  
& Consulting, Inc.  
2428 Old Natchez Trc Trl  
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Ph. 941-380-1574



MAPES PANELS, LLC  
2929 CORNHUSKER HIGHWAY  
LINCOLN, NEBRASKA 68501

SHEET DESCRIPTION:  
NOTES, PANEL DETAIL

DATE DRAWN:  
6/7/2020

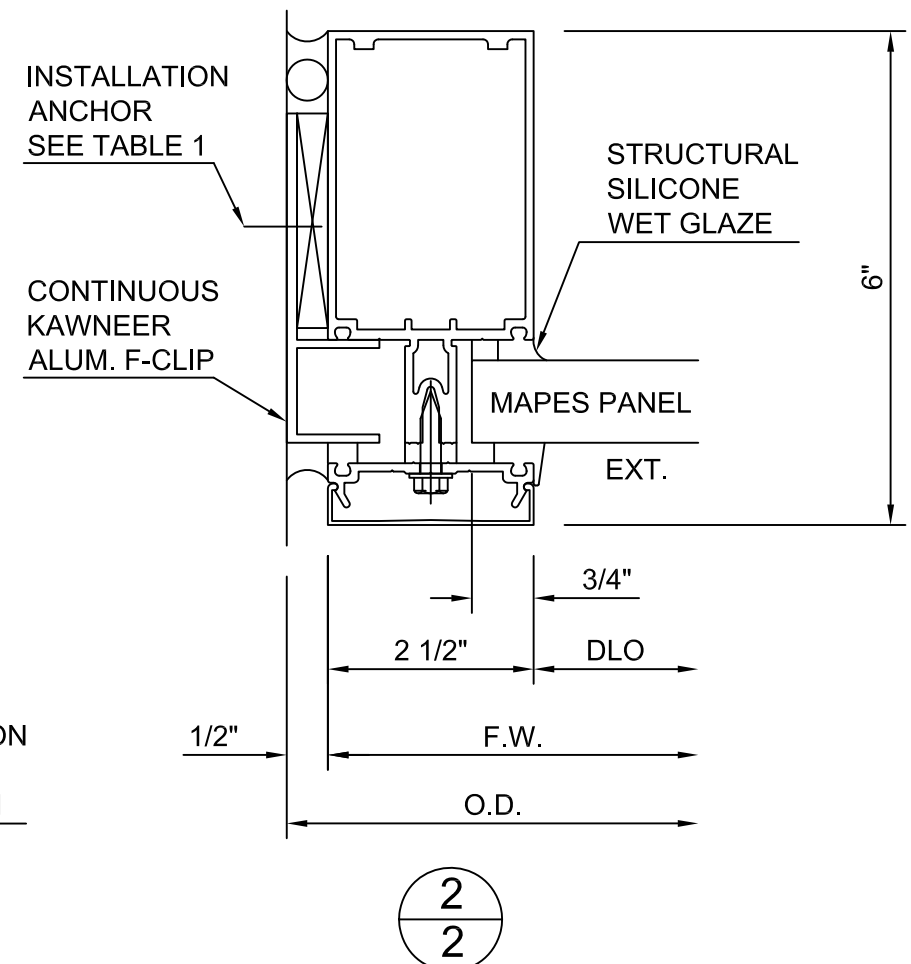
REV B: UPDATE TO 2023 FBC

REV: B

DRAWING: FPA-MAPES-HBD-STY

SHEET: 1 OF 2

AS-TESTED CONFIGURATION IN KAWNEER 1600 2-1/2" X 6" CURTAIN WALL (SEE SEPARATE APPROVAL)



NOTE: PRODUCT MAY BE ROTATED  
90 DEG. TO SWAP WIDTH/HEIGHT

| ID | SUBSTRATE                                                    | ANCHOR                                                   | MIN. EMBEDMENT | MIN. EDGE DISTANCE |
|----|--------------------------------------------------------------|----------------------------------------------------------|----------------|--------------------|
| A  | SOLID UNCRACKED CONCRETE OR GROUT-FILLED CMU (3050 PSI MIN.) | 1/4" DEWALT COATED CARBON STEEL ULTRACON+                | 1 3/4"         | 2 1/2"             |
| B  | SOLID UNCRACKED CONCRETE OR GROUT-FILLED CMU (2000 PSI MIN.) | 1/4" ITW COATED CARBON STEEL TAPCON                      | 1 3/4"         | 3"                 |
| C  | CONCRETE (3000 PSI MIN)                                      | 1/4" ITW 410 STAINLESS TAPCON                            | 1 3/4"         | 2 1/2"             |
| D  | CONCRETE (3000 PSI MIN)                                      | HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II | 1"             | 2 1/2"             |
| E  | HOLLOW OR GROUT-FILLED CMU (ASTM C-90)                       | HILTI COATED CARBON STEEL OR STAINLESS STEEL KWIK-CON II | 1"             | 2 1/2"             |
| F  | 2x MIN. SOUTHERN PINE WOOD (G=0.55 MIN)                      | #14 GRADE 5 WOOD SCREW                                   | 1 3/8"         | 1"                 |
| G  | 16 GAUGE (0.060") MIN. STEEL STUD (33 KSI YIELD MIN.)        | #1/4-14 ITW TEKS SELF-DRILLING SCREW                     | SEE NOTE       | 1/2"               |
| H  | 1/8" MIN. ALUMINUM (6063-T5 MIN.) OR 1/8" MIN. A36 STEEL     | 1/4" GRADE 5 SELF-TAPPING/DRILLING SCREW                 | SEE NOTE       | 1/2"               |

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