RESOLITE
A DIVISION OF STABILIT AMERICA
POLYCARBONATE STORM PANEL
(IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION OF THE MAXIMUM SIZE LISTED.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. FOR INSTALLATION INTO WOOD FRAMING AND CONCRETE/MASONRY, SEE TABLE ON SHEET 2 FOR ANCHOR OPTIONS.
5. FOR MINIMUM REQUIRED SEPARATION, SEE DESIGN PRESSURE TABLE ON SHEET 1.
6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
7. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
9. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.
10. INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
    A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.42.
    B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
    C. GROUT-FILLED CMU- UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MINIMUM GROUT COMPRESSIVE STRENGTH OF 2000 PSI.
    D. HOLLOW BLOCK CMU - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE 2018 INTERNATIONAL BUILDING CODE (IBC) AND 2018 INTERNATIONAL RESIDENTIAL CODE (IRC), AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
    - TAS 201-94
    - TAS 202-94
    - TAS 203-94
    - ASTM E1886-13a
    - ASTM E1996-14a
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY AND 2X FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
5. THIS IMPACT PROTECTIVE SYSTEM **IS APPROVED** IN AREAS REQUIRING IMPACT RESISTANCE ON NON-ESSENTIAL FACILITIES.
6. PANEL MATERIAL: TRANSLUCENT POLYCARBONATE

TABLE OF CONTENTS

OVERALL SIZE		MAX. DESIGN PRESSURE	MISSILE IMPACT RATING
DIM. A	DIM. B		
72"	96"	+50/- 50 PSF	LMI
75"	84"	+53/- 56 PSF	
75"	75"	+56/- 62.5 PSF	
75"	66"	+60/- 70 PSF	

NOTE:
1. LMI - LARGE MISSILE IMPACT RATED

Resolite FRP COMPOSITES
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PH: (901) 877-1288
EMAIL: INFO@RESOLITE.COM

TITLE: POLYCARBONATE STORM PANEL (IMPACT) INSTALLATION & GENERAL NOTES

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE
2018 IBC&IRC UPDATE	MS	1.13.22

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PERFORM SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2022.01.25 12:58:11 -05'00'

STATE OF TEXAS
HERMES F NORERO
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398 E. DANIA BEACH BLVD. # 338
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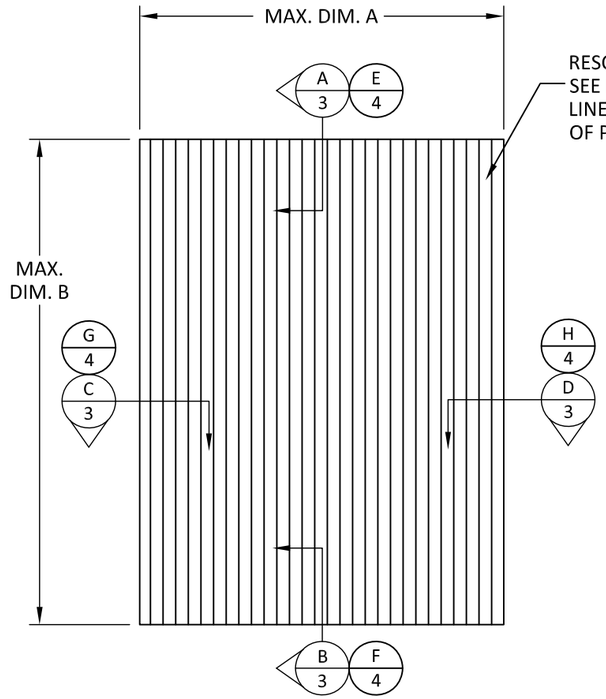
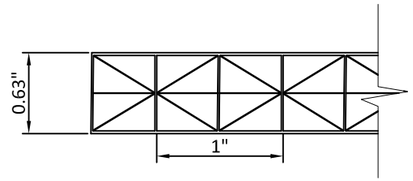
TBPE FIRM No. 13734

DATE: 10.26.16
DWG. BY: LMS
CHK. BY: HFN
SCALE: NTS
DWG. #: RES003
SHEET: 1 OF 4



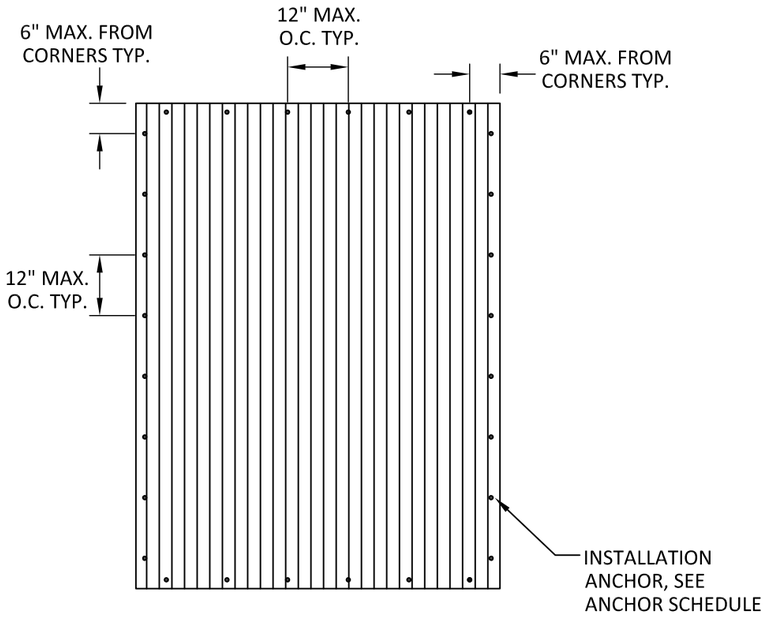
TYPICAL ELEVATION

72" x 96" UNIT

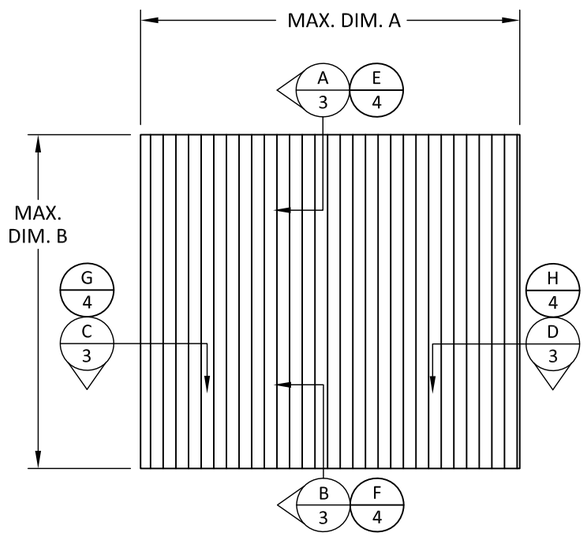


DETAIL A

POLYCARBONATE STORM PANEL

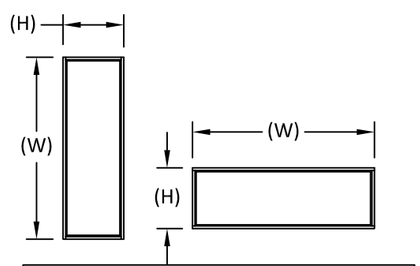


ANCHOR LAYOUT



TYPICAL ELEVATION

75" x 66" UNIT



NOTE:
DIMENSION 'A' AND DIMENSION 'B' MAY BE INTERCHANGEABLE AS WIDTH (W) OR HEIGHT (H) OF PANEL.

1/4" ITW Tapcon Storm Guard (SG)		
Substrate	Embedment (in.)	Edge Distance (in.)
Concrete (Min f'c = 3000 psi)	1.75	2.5
Grout Filled Block (Min f'c = 2000 psi)	1.75	2.5
Wood (Min. S.G. = 0.42)	1.5	0.75

1/4" ELCO Panelmate Plus		
Substrate	Embedment (in.)	Edge Distance (in.)
Concrete (Min f'c = 3350 psi)	1.75	2.5
Grout Filled Block (Min f'c = 2071 psi)	1.25	2
Wood (Min. S.G. = 0.42)	1.875	0.75

1/4" ELCO Panelmate Insert		
Substrate	Embedment (in.)	Edge Distance (in.)
Concrete (Min f'c = 2700 psi)	1.625	4
Grout Filled Block (Min f'c = 2676 psi)	1.5	1.75
Wood (Min. S.G. = 0.42)	1.625	0.75

ANCHOR SCHEDULE

Resolite FRP COMPOSITES
285 INDUSTRIAL DRIVE
MOSCOW, TN 38057
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EMAIL: INFO@RESOLITE.COM

TITLE: POLYCARBONATE STORM PANEL (IMPACT) ELEVATIONS & ANCHOR LAYOUT

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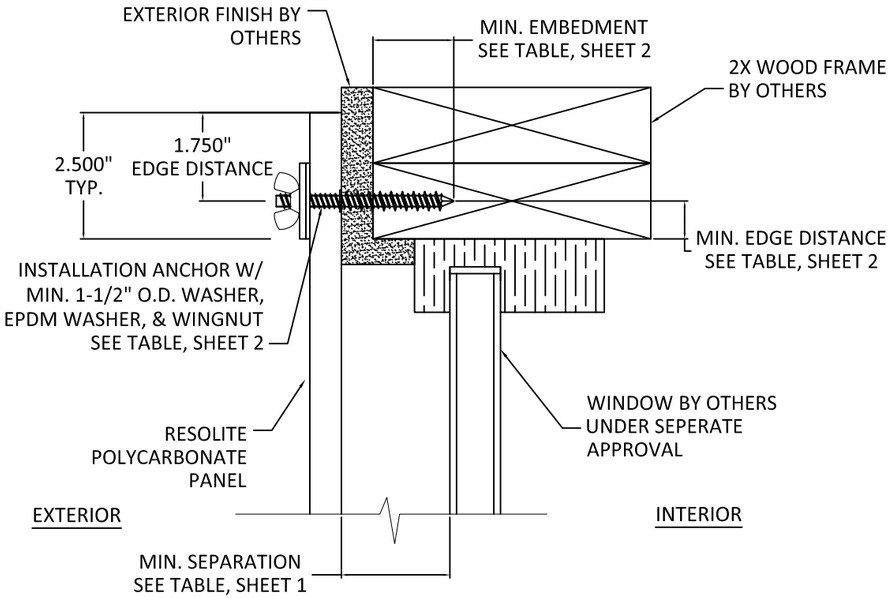
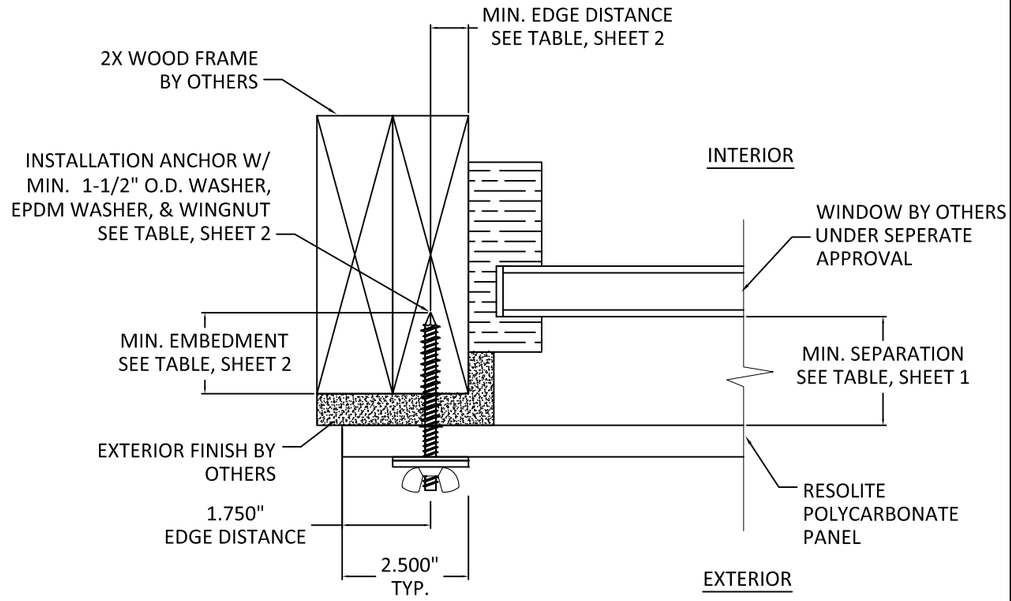


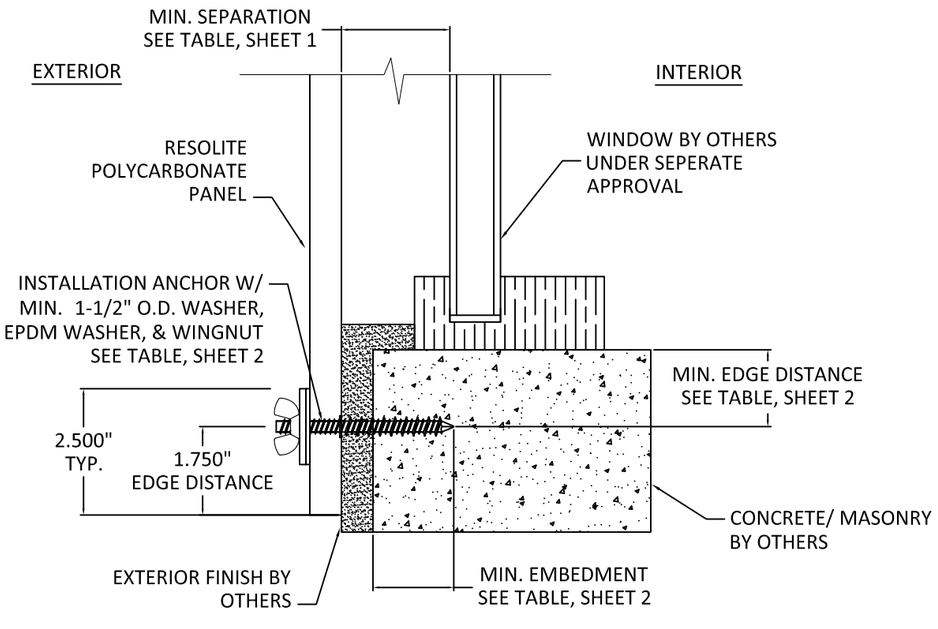
A/3 VERTICAL SECTION

HEAD - 2X WOOD FRAME
PANELMATE PLUS OR TAPCON SG ANCHOR



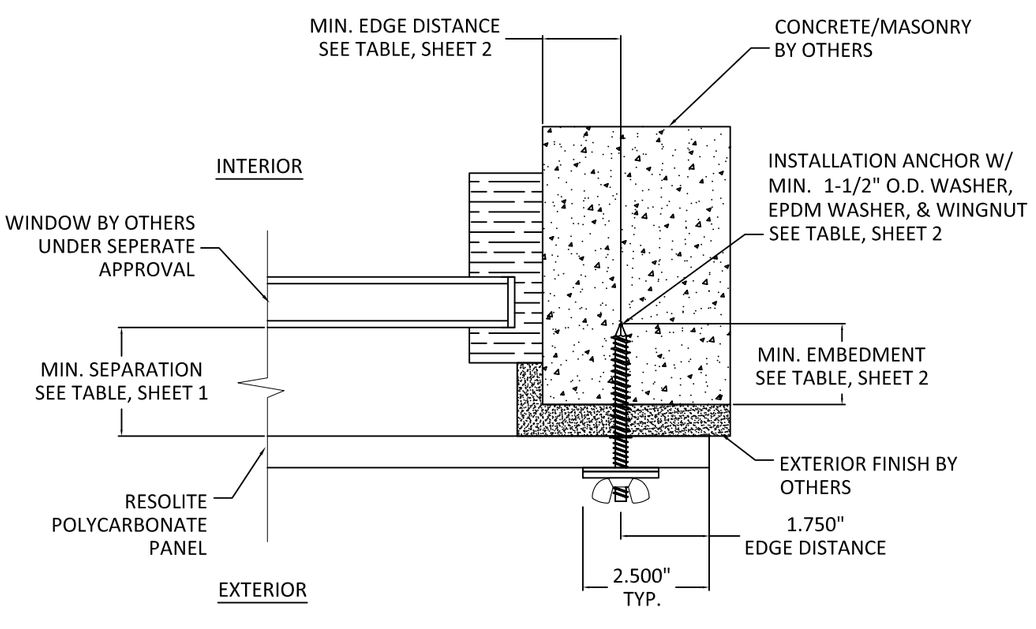
C/3 VERTICAL SECTION

JAMB - 2X WOOD FRAME
PANELMATE PLUS OR TAPCON SG ANCHOR



B/3 VERTICAL SECTION

SILL - CONCRETE/MASONRY
PANELMATE PLUS OR TAPCON SG ANCHOR



D/3 VERTICAL SECTION

JAMB - CONCRETE/MASONRY
PANELMATE PLUS OR TAPCON SG ANCHOR

Resolite FRP COMPOSITES
285 INDUSTRIAL DRIVE
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EMAIL: INFO@RESOLITE.COM

TITLE: POLYCARBONATE STORM PANEL (IMPACT) VERTICAL & HORIZONTAL SECTIONS

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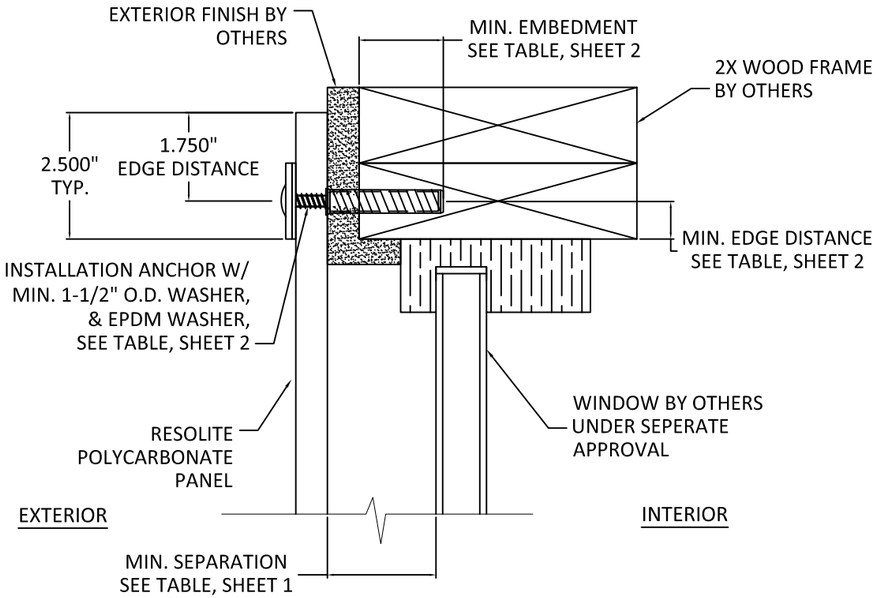
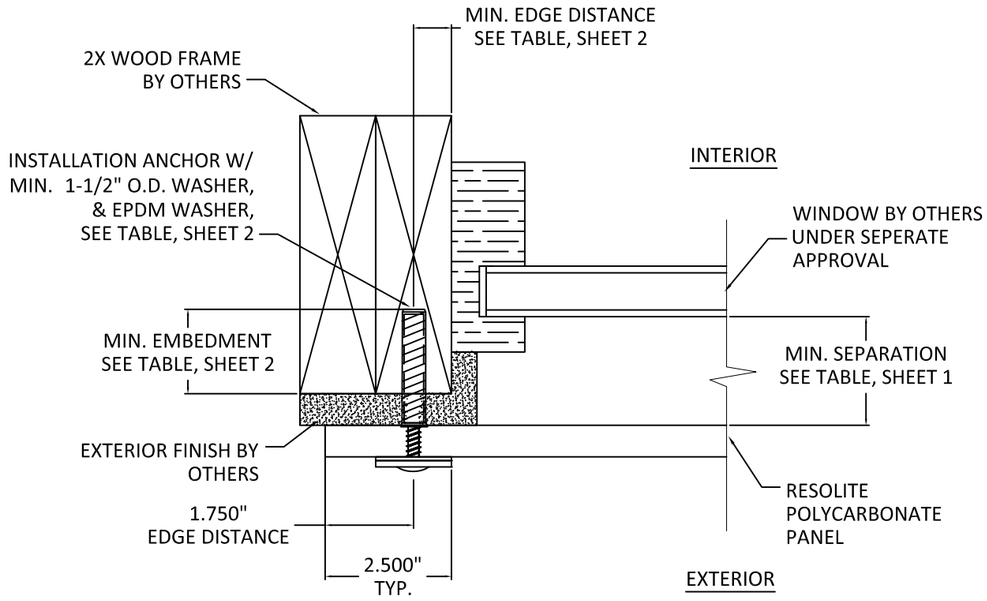
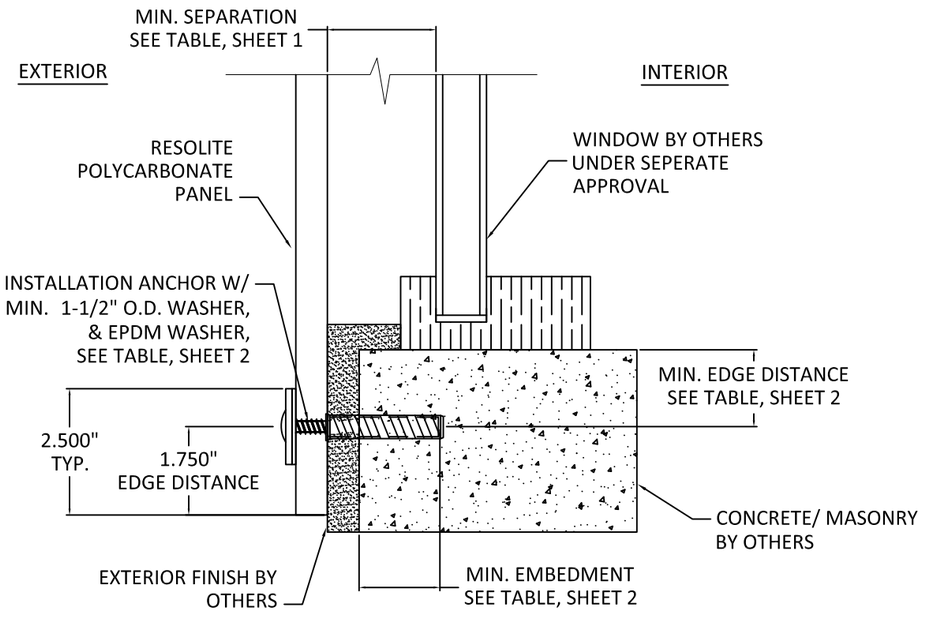
SHEET: 3 OF 4



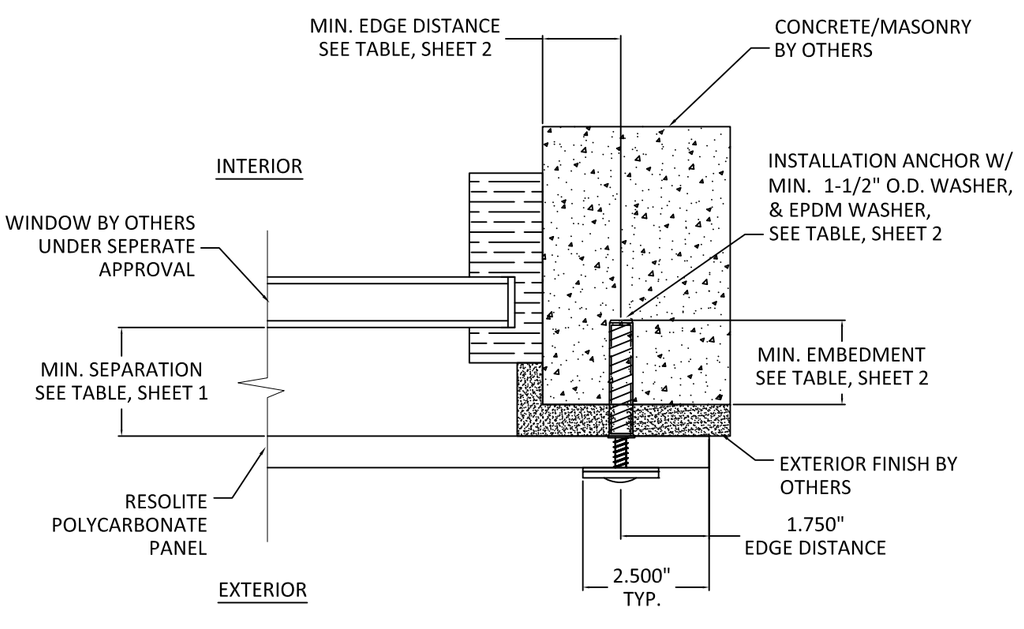
E/4 VERTICAL SECTION
HEAD - 2X WOOD FRAME
PANELMATE INSERT ANCHOR



G/4 VERTICAL SECTION
JAMB - 2X WOOD FRAME
PANELMATE INSERT ANCHOR



F/4 VERTICAL SECTION
SILL - CONCRETE/MASONRY
PANELMATE INSERT ANCHOR



H/4 VERTICAL SECTION
JAMB - CONCRETE/MASONRY
PANELMATE INSERT ANCHOR

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TITLE: POLYCARBONATE STORM PANEL (IMPACT)
VERTICAL & HORIZONTAL SECTIONS

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