

DATUM HOLDINGS, LLC

DATUM ALUMINUM SUSPENDED CANOPY
NOT RATED FOR IMPACT RESISTANCE

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.

DESIGN NOTES:

MAXIMUM (ASD) ALLOWABLE DESIGN PRESSURE:

+45 / -45 PSF

POSITIVE AND NEGATIVE DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYSEM SHALL BE DETERMINED BY OTHERS ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERNING BUILDING CODE. SITE-SPECIFIC WIND LOAD REQUIREMENTS SHALL BE DETERMINE IN ACCORDANCE WITH ASCE 7 AND THE GOVERNING BUILDING CODE BY SEPARATE ENGINEERING CERTIFICATION AND SHALL BE LESS THAN OR EQUAL TO THE POSITIVE OR NEGATIVE DESIGN PRESSURE CAPACITY VALUES LISTED HEREIN FOR ANY ASSEMBLY WITHIN THE LIMITATION STATED HEREIN.

GENERAL NOTES:

1. FOR USE WITHIN AND OUTSIDE THE HIGH VELOCITY HURRICANE ZONE (HVHZ).
2. DESIGN PRESSURES NOTED HEREIN ARE BASED ON MAXIMUM TESTED PRESSURES DIVIDED BY 2 SAFETY FACTOR.
3. WIND LOADS ACTING SIMULTANEOUSLY WITH ROOF LIVE LOAD OF 20 PSF. DESIGN PRESSURES SHALL BE BASED ON LOAD COMBINATIONS PER THE FLORIDA BUILDING CODE NINTH EDITION (2026). DEFLECTION LIMIT OF L/60 USED FOR DETERMINATION OF ALLOWABLE DECKING SPANS PER THE 2020 ALUMINUM DESIGN MANUAL AND THE FLORIDA BUILDING CODE NINTH EDITION (2026) TABLE 1604.3 FOOTNOTE h.
4. SYSTEM COMPONENTS SHALL BE AS NOTED HEREIN. ALL REFERENCES TO EXTRUSIONS AND INSTALLATION SHALL CONFORM TO MANUFACTURER'S SPECIFICATIONS AS SUMMARIZED HEREIN.
5. NO CERTIFICATION IS OFFERED FOR WATERPROOFING, SIZING, OR OPERATION OF GUTTERS.
6. ALL ALUMINUM SHALL BE 6063-T6 ALLOY AND TEMPER UNLESS NOTED OTHERWISE.
7. FOR ALUMINUM MEMBERS ALL ANCHORS SHALL BE WITH 2xDIAMETER EDGE/END DISTANCE AND 2.5xDIAMETER MIN. SPACING TO ADJACENT ANCHORS, UNLESS NOTED OTHERWISE.
8. FOR PERMANENT OUTDOOR INSTALLATIONS, ALL EXPOSED ANCHORS, FASTENERS, CONNECTORS, AND METAL PLATES SHALL BE CORROSION RESISTANT. CORROSION RESISTANCE MAY BE PROVIDED BY INHERENT MATERIAL COMPOSITION OR, WHERE PERMITTED BY CODE, BY AN APPROVED PROTECTIVE COATING OR GALVANIZATION. WHERE APPLICABLE NEAR A SALTWATER COASTLINE, SUCH COMPONENTS SHALL COMPLY WITH FBC SECTION 1711, INCLUDING APPLICABLE REQUIREMENTS FOR EXPOSED, PROTECTED, OR ENCLOSED CONDITIONS. MATERIALS, COATINGS, AND FINISHES SHALL BE COMPATIBLE WITH CONNECTED MATERIALS, AND PROTECTIVE COATINGS SHALL BE CONTINUOUS OVER EXPOSED SURFACES. FASTENERS USED WITH ALUMINUM MEMBERS SHALL ALSO COMPLY WITH SECTION J.3.7.2 OF THE ALUMINUM DESIGN MANUAL, "SPECIFICATION FOR ALUMINUM STRUCTURES." SUBSTITUTION OF COMPONENTS FROM ALTERNATE MANUFACTURERS, OR WITH DIFFERENT MATERIALS, COATINGS, OR FINISHES, SHALL NOT BE ASSUMED EQUIVALENT AND MAY REQUIRE ADDITIONAL ENGINEERING REVIEW OR SITE-SPECIFIC ANALYSIS.
9. ALUMINUM WELDING SHALL BE PERFORMED IN ACCORDANCE WITH WELD FILLER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL PART I-A, TABLE A.3.6. ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY, AND METHODS OF CONSTRUCTION AS SET FORTH IN THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE-ALUMINUM (D1.2). MINIMUM WELD IS 1/8" THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED.
10. 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. THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
11. THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.

SYSTEM PERFORMANCE DERIVATIONS:

SYSTEM PERFORMANCE WITH BEAM OPTION "1" DERIVED FROM CERTIFIED
TEST REPORT NO.: N5458.01-450-18 R0 BY INTERTEK.

GENERAL NOTES CONTINUED:

12. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. EMBEDMENT SHALL BE AS NOTED HEREIN. EMBEDMENT AND MINIMUM EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.
13. 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.
14. EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.
15. PRESSURE VALUES ON THIS APPROVAL ARE (ASD) ALLOWABLE DESIGN PRESSURES.
16. ALTERATIONS ADDITIONS OR OTHER MARKINGS TO THIS DOCUMENT ARE NOT PERMITTED AND INVALIDATE THIS CERTIFICATION.

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COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

AUGUST 18, 2026



Digitally signed by
Colby Bennardo
Date: 2026.08.19
09:21:29 -04'00'

**NOTE REGARDING USE OF THIS DOCUMENT &
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TERMINOLOGY:

THE FOLLOWING ABBREVIATIONS APPEAR IN THIS APPROVAL: "AL" FOR "ALUMINUM", "SYP" FOR "SOUTHERN YELLOW PINE", "SS" FOR "STAINLESS STEEL", "UTS" FOR "ULTIMATE TENSILE STRENGTH", "YS" FOR "YIELD STRENGTH", "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". CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

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DATUM ALUMINUM SUSPENDED CANOPY
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL (FSA FL#43979.1)

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-66689)	MRT	RWN	10/18/23
2026 FBC UPDATE	MRT	CCB	07/21/26
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-	-	-	-
-	-	-	-

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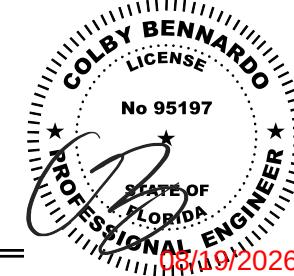
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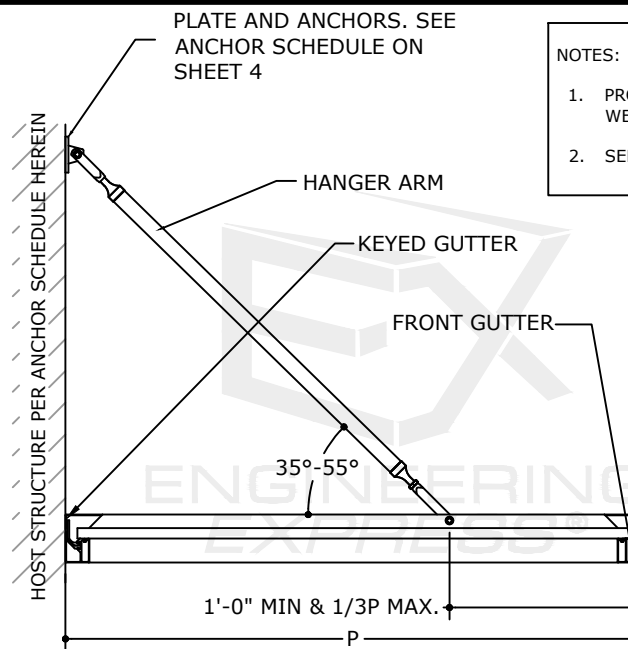
FOR SITE-SPECIFIC DEVIATIONS
& MORE INFORMATION ABOUT THIS DOCUMENT
OR SCAN THIS QR CODE

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FOR ADDITIONAL PLANS, REPORTS & RESOURCES





FL



1. PROVIDE 1/8" ALL AROUND FILLET WELDS AT GUTTER CORNERS
2. SEE DESIGN SCHEDULE HEREIN.

CONFIG ID	P	MAX. KEY SPACING (FOR CONCRETE AND GROUT-FILLED CMU HOST STRUCTURE)	MAX. KEY SPACING (FOR BRICK, STEEL, HOLLOW CMU & WOOD HOST STRUCTURE)	MAX. ARM SPACING
A	8'	2'-4"	1'-2"	4'-0"
B	7'	2'-8"	1'-4"	4'-6"
C	6'	3'-0"	1'-6"	5'-0"
D	5'	3'-9"	1'-10"	6'-0"
E	4'	4'-8"	2'-4"	8'-0"
F	3'	6'-0"	3'-0"	10'-6"

SEE ANCHOR SCHEDULE ON LAST SHEET FOR ADDITIONAL
HOST STRUCTURE MATERIAL REQUIREMENTS.

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SECTION

N.T.S.

DETAILS

N.T.S.

SECTION VIEW

N.T.S.

SECTION VIEW



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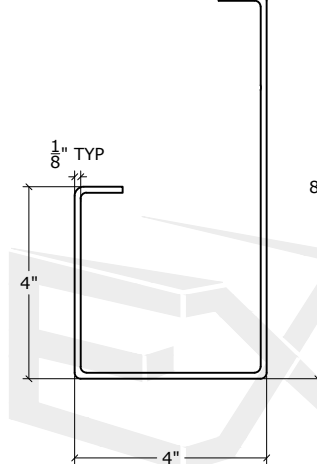
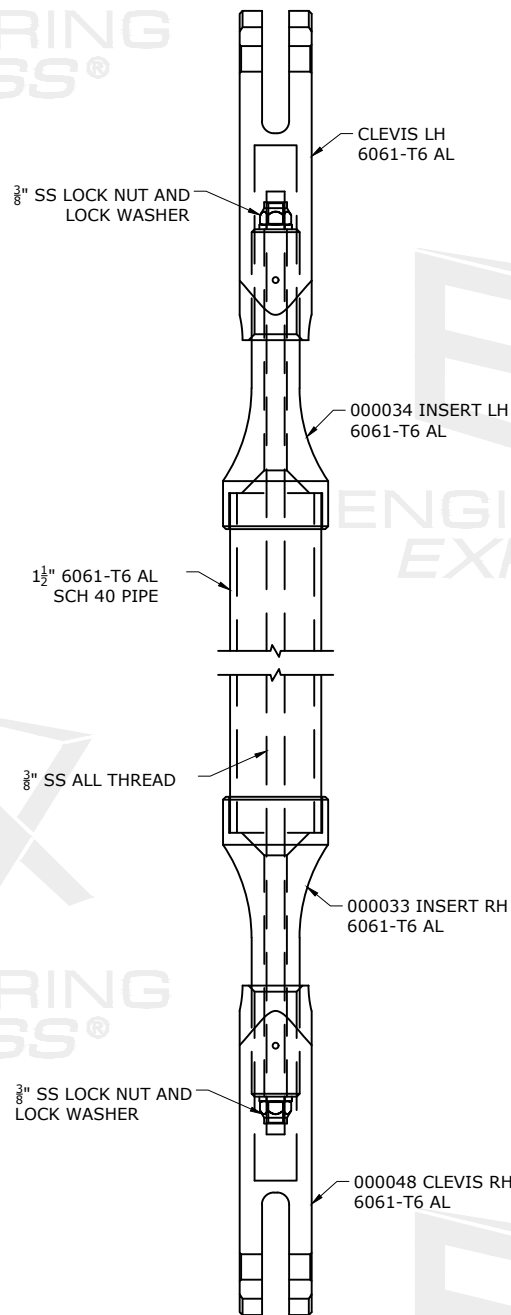
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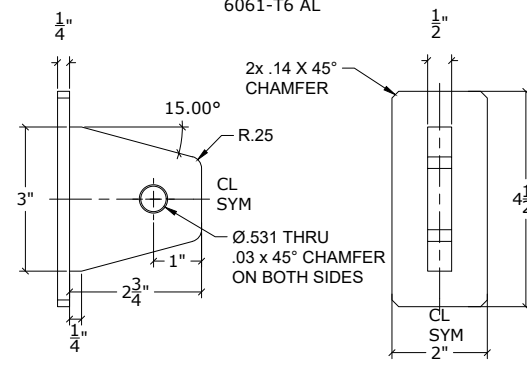
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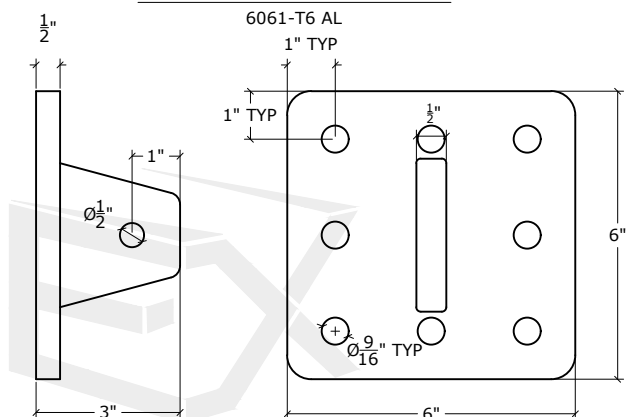
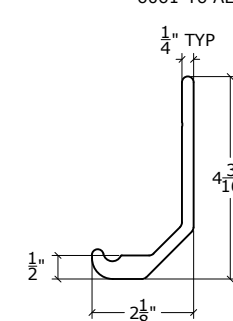
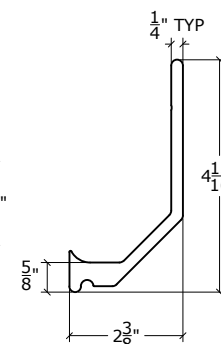
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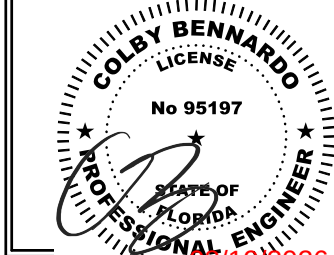


UPPER KEY



CANOPY CONNECTION DETAIL 1

MILTONRIVERA\shared\projects\26-26-98546 2026 product fbc update fl 43979.1\work\drawings & cad\26-98546d fl43979.1 - datum aluminum suspended canopy.dwg



ANCHOR SCHEDULE

	QUANTITY & DESCRIPTION	HOST STRUCTURE, BY OTHERS	INSTALLATION INSTRUCTIONS
HANGER ARM TO HOST CONNECTION	(2) 1/2" DEWALT SCREW-BOLT+ PER PLATE	3000 PSI MIN. UNCRACKED CONCRETE	PROVIDE 2-1/2" EMBEDMENT AND 6" MIN. EDGE DISTANCE TO ANY CONCRETE EDGE
	(2) 1/2" DEWALT SCREW-BOLT+ PER PLATE, (2) MAX PER MASONRY CELL	1500 PSI MIN. GROUT FILLED ASTM C90 CMU (CONCRETE MASONRY UNIT)	PROVIDE 4-1/4" EMBEDMENT AND 8" MIN. EDGE DISTANCE TO ANY MASONRY EDGE
	(4) 1/2" DEWALT SCREW-BOLT+ PER PLATE	2000 PSI MIN. ASTM C62 SOLID CLAY BRICK MASONRY WALL	PROVIDE 4-1/4" EMBEDMENT AND 8" MIN. EDGE DISTANCE TO ANY MASONRY EDGE
	(4) 1/2" SS UNC THRUBOLT PER PLATE. PROVIDE STD WASHER AND LOCKING NUT BACK & FRONT	12 GAUGE, UTS = 45 KSI STEEL	PROVIDE (5) PITCHES PAST THE THREAD PLANE AND 1-1/2" MIN. EDGE DISTANCE TO ANY STEEL HOST EDGE
	(4) 1/2" SS UNC THRUBOLT PER PLATE. PROVIDE STD WASHER AND LOCKING NUT BACK & FRONT	1500 PSI MIN. ASTM C90 8" HOLLOW CMU (CONCRETE MASONRY UNIT)	SEE DETAIL 3/4 & PROVIDE 12" MIN. EDGE DISTANCE TO ANY HOLLOW CMU EDGE.
	(4) 1/2" SS WOOD LAG SCREW PER PLATE	(2) 2"x10", G=0.55 MIN. WOOD MEMBER OR STRONGER	PROVIDE 2-1/2" MIN EMBEDMENT INTO WOOD MEMBER & 2" MIN. EDGE DISTANCE TO ANY WOOD EDGE
KEY TO HOST CONNECTION	(1) 1/2" DEWALT SCREW-BOLT+ PER KEY	3000 PSI MIN. UNCRACKED CONCRETE	PROVIDE 2-1/2" EMBEDMENT AND 6" MIN. EDGE DISTANCE TO ANY CONCRETE EDGE
	(1) 1/2" DEWALT SCREW-BOLT+ PER KEY	1500 PSI MIN. GROUT FILLED ASTM C90 CMU (CONCRETE MASONRY UNIT)	PROVIDE 4-1/4" EMBEDMENT AND 8" MIN. EDGE DISTANCE TO ANY MASONRY EDGE
	(1) 1/2" DEWALT SCREW-BOLT+ PER KEY	2000 PSI MIN. ASTM C62 SOLID CLAY BRICK MASONRY WALL	PROVIDE 4-1/4" EMBEDMENT AND 8" MIN. EDGE DISTANCE TO ANY MASONRY EDGE
	(1) 1/2" SS UNC THRUBOLT PER KEY. PROVIDE STD WASHER AND LOCKING NUT BACK & FRONT	12 GAUGE UTS = 45 KSI STEEL	PROVIDE (5) PITCHES PAST THE THREAD PLANE AND 1-1/2" MIN. EDGE DISTANCE TO ANY STEEL HOST EDGE
	(1) 1/2" SS UNC THRUBOLT PER KEY. PROVIDE STD WASHER AND LOCKING NUT BACK & FRONT	1500 PSI MIN. ASTM C90 8" HOLLOW CMU (CONCRETE MASONRY UNIT)	SEE DETAIL 3/4 & PROVIDE 12" MIN. EDGE DISTANCE TO ANY HOLLOW CMU EDGE.
	(1) 1/2" SS WOOD LAG SCREW PER KEY	(2) 2"x10", G=0.55 MIN. WOOD MEMBER OR STRONGER	PROVIDE 2-1/2" MIN EMBEDMENT INTO WOOD MEMBER & 2" MIN. EDGE DISTANCE TO ANY WOOD EDGE

Site-Specific ASD Design Pressure [PSF]	HOST STRUCTURE ASD REACTIONS			
	R _{1x} [lbf]	R _{1y} [lbf]	R _{2x} [lbf]	R _{2y} [lbf]
± 45	± 1550 PER PLATE	± 1090 PER PLATE	± 780 PER KEY	± 370 PER KEY
± 40	± 1380 PER PLATE	± 970 PER PLATE	± 700 PER KEY	± 330 PER KEY
± 35	± 1210 PER PLATE	± 850 PER PLATE	± 610 PER KEY	± 290 PER KEY
± 30	± 1040 PER PLATE	± 730 PER PLATE	± 520 PER KEY	± 250 PER KEY
± 25	± 870 PER PLATE	± 610 PER PLATE	± 440 PER KEY	± 210 PER KEY
± 20	± 690 PER PLATE	± 490 PER PLATE	± 350 PER KEY	± 170 PER KEY
± 15	± 520 PER PLATE	± 370 PER PLATE	± 260 PER KEY	± 130 PER KEY
± 10	± 350 PER PLATE	± 250 PER PLATE	± 180 PER KEY	± 90 PER KEY

ANCHOR SCHEDULE NOTES:

- FOR CASES WHERE (2) ANCHORS PER PLATE ARE ALLOWED, REFER TO DETAIL 1/4 FOR PLATE ORIENTATION AND ANCHORS LOCATION.
- SEE DETAIL 2/4 FOR HOST STRUCTURE REACTIONS SKETCH.
- FOR CASES WHERE (4) ANCHORS PER PLATE ARE REQUIRED, (2) ANCHORS MAY BE USED, PROVIDED THAT THE SITE-SPECIFIC ALLOWABLE DESIGN PRESSURE DOES NOT EXCEED ±25 PSF.**
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. EMBEDMENT SHALL BE AS NOTED HEREIN. EMBEDMENT AND MINIMUM EDGE DISTANCE EXCLUDES STUCCO, FOAM, BRICK, AND OTHER WALL FINISHES.

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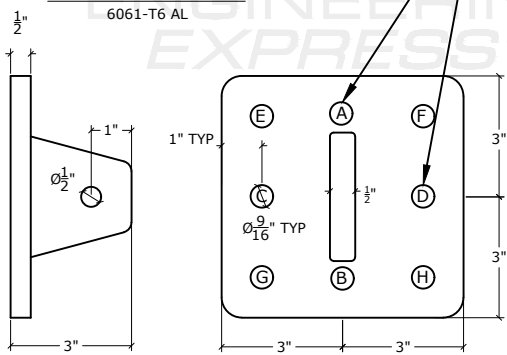
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PLATE DETAIL

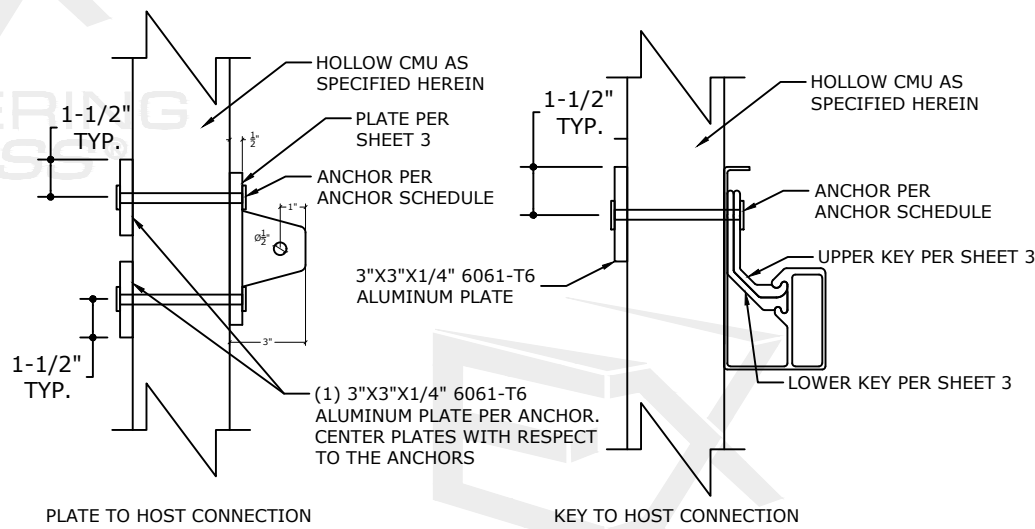
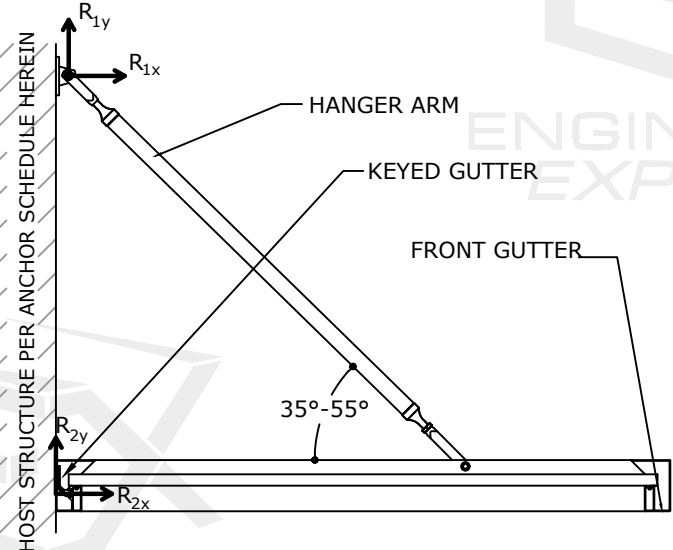


FOR (2) FASTENERS INSTALLATION:

INSTALL ANCHORS ON HOLES "A" & "B", OR IN HOLES "C" & "D".

FOR (4) FASTENERS INSTALLATION:

INSTALL ANCHORS ON HOLES "E", "F", "G" & "H"



1

(2) ANCHORS PLATE SKETCH

4

N.T.S.

DETAILS

2

HOST STRUCTURE REACTIONS

4

N.T.S.

SECTION VIEW

3

HOLLOW CMU INSTALLATION

4

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OF 4