

GTO ALUMINUM MANUFACTURING

CLICK BEAM (HVHZ)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - SECTION 1604.1
 - ASTM E8-16
- 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.
- 2X MEMBERS (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.
- 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.
- ALUMINUM SIDING MEETS THE REQUIREMENTS OF THE CURRENT FBC. APPLICATION OF ALUMINUM SIDING SHALL MEET REQUIREMENTS OF THE CURRENT FBC.
- ALUMINUM SIDING SPECIFICATIONS:
 - MATERIAL: 6063-T5
 - MINIMUM WALL THICKNESS: 0.0551"
- INSTALLATION OF SIDING ACCESSORIES SUCH AS END CAP AND MOUNTING BRACKET SHALL BE DONE IN ACCORDANCE WITH THE FLORIDA BUILDING CODE AND THE MANUFACTURER'S INSTRUCTIONS.

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, SHEATHING AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
- 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.
- 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.
- PRODUCT SHALL BE INSTALLED IN FRONT OF CBS CONSTRUCTION (ASTM C90) OR 5/8" (5 PLY) PLYWOOD SUPPORTED BY STUDS AT 16" O.C.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
 - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
 - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS.
 - ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.
 - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
 - MASONRY - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

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GTO ALUMINUM MANUFACTURING
4731 WEST POST ROAD SUITE 130
LAS VEGAS, NV 89118
PH: (725) 204-6482

TITLE:
CLICK BEAM
(HVHZ)

GENERAL NOTES & INSTALLATION NOTES

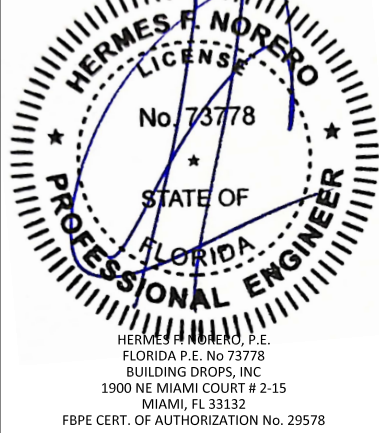
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.08.11 17:41:59 -03'00'



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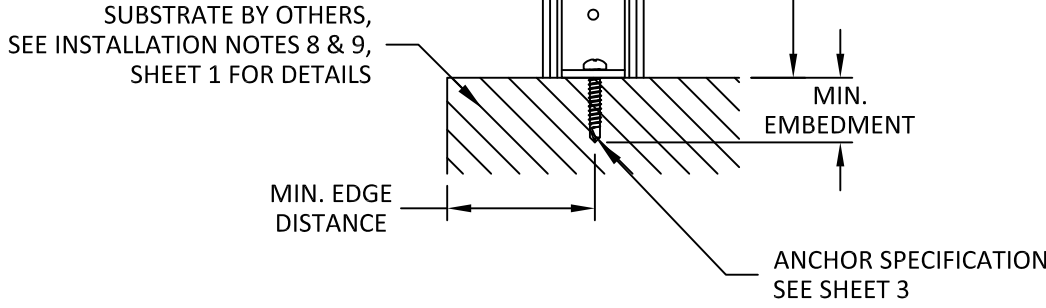
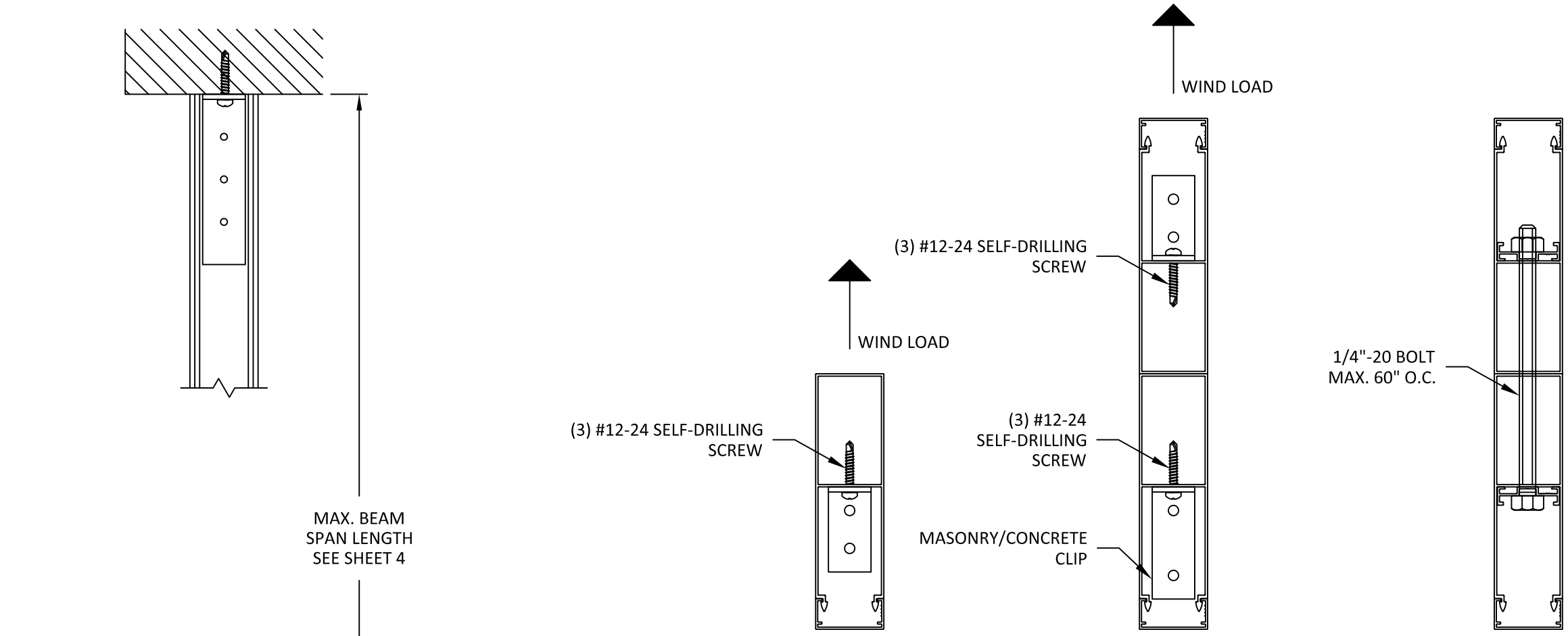
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SHEET:
1

CLIP MOUNT INSTALLATION



CLICK BEAM
FIN CROSS SECTION

DOUBLE
CLICK BEAM
FIN CROSS SECTION

NOTE: 150x40 MM SHOWN,
ALL OTHER SIZES SIMILAR.

DOUBLE CLICK BEAM
CONNECTION
FIN CROSS SECTION

NOTE: ALTERNATE INSTALLATION METHOD,
ENGINEERING TO BE PROVIDED ON
A SITE SPECIFIC BASIS. PLEASE CONTACT THE MANUFACTURER



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CLIP MOUNT INSTALLATION

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FLORIDA P.E. No. 73778
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1900 NE MIAMI COURT # 2-15
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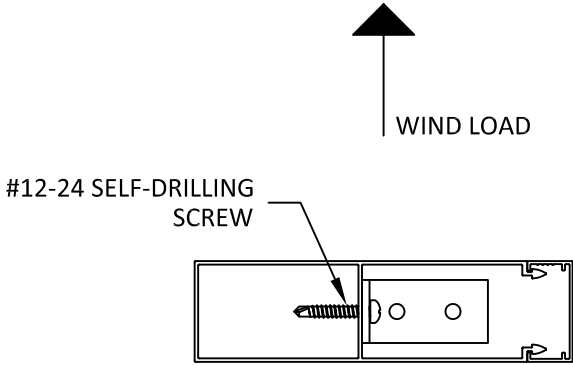
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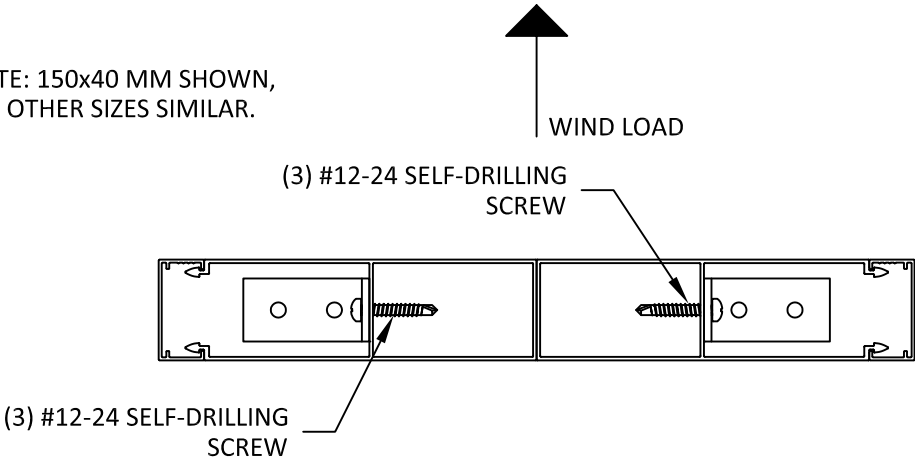
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CLIP MOUNT INSTALLATION

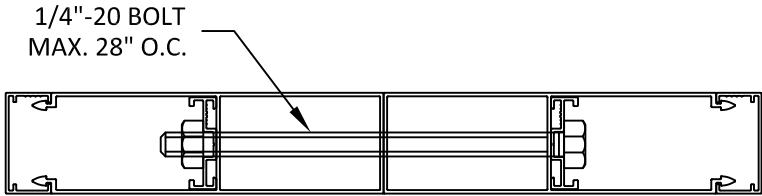


CLICK BEAM
BATTEN CROSS SECTION

NOTE: 150x40 MM SHOWN,
ALL OTHER SIZES SIMILAR.



DOUBLE
CLICK BEAM
BATTEN CROSS SECTION



DOUBLE CLICK BEAM
CONNECTION
BATTEN CROSS SECTION

SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD MIN. S.G. = 0.55	#12 WOOD SCREW	1-1/2"	1"
STEEL: MIN. 18 Ga., MIN. Fy=36 KSI	#12 SELF-DRILLING OR SELF-TAPPING SCREW (GRADE 5)	3 THREADS PENETRATION PAST METAL STRUCTURE	1/2"
ALUM.: MIN. 1/8", MIN. 6063-T5			
CONCRETE MIN. F'C = 3000 PSI	3/16" ITW TAPCON	1"	2.25"
HOLLOW / GROUT-FILLED BLOCK PER C-90 MIN. F'C = 2000 PSI	3/16" ITW TAPCON	1"	2.25"

NOTE: CONCRETE/MASONRY ANCHORS, MIN. SPACING IS 1.5". USE CONCRETE/MASONRY CLIPS



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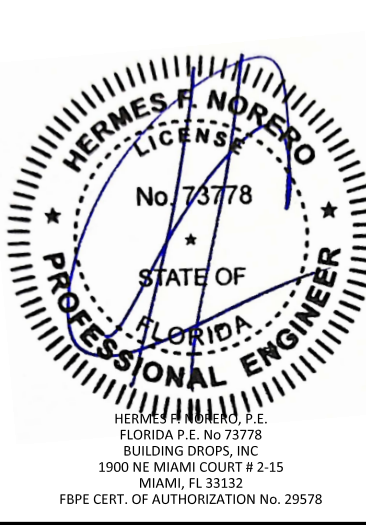
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3

CLIP MOUNT INSTALLATION

ULTIMATE DESIGN PRESSURE* (PSF)	ALLOWABLE DESIGN PRESSURE* (PSF)	CLICK BEAM FIN MAX. ALLOWABLE SPAN (FT)							
		60x60 mm CLICK BEAM	80x40 mm CLICK BEAM	120x40 mm CLICK BEAM	120x60 mm CLICK BEAM	150x40 mm CLICK BEAM	150x60 mm CLICK BEAM	200x40 mm CLICK BEAM	200x60 mm CLICK BEAM
50	30	12.75	20.50	22.00	22.00	22.00	22.00	22.00	22.00
66.67	40	11.00	17.75	22.00	21.75	22.00	22.00	22.00	22.00
83.33	50	9.75	15.75	22.00	19.50	22.00	22.00	22.00	22.00
100	60	9.00	14.50	21.25	17.75	22.00	21.75	22.00	22.00
116.67	70	8.25	13.25	19.50	16.50	22.00	20.25	22.00	22.00
133.33	80	7.75	12.50	18.25	15.25	22.00	18.75	22.00	22.00
150	90	7.25	11.75	17.25	14.50	21.25	17.75	22.00	22.00
166.67	100	7.00	11.25	16.25	13.75	20.25	16.75	22.00	22.00
183.33	110	6.50	10.50	15.50	13.00	19.25	16.00	22.00	21.00
200	120	6.25	10.25	15.00	12.50	18.50	15.25	22.00	20.00

*NOTE: ALLOWABLE DP = ULTIMATE DP X 0.6

ULTIMATE DESIGN PRESSURE* (PSF)	ALLOWABLE DESIGN PRESSURE* (PSF)	CLICK BEAM DOUBLE FIN MAX. ALLOWABLE SPAN (FT)							
		60x60 mm DOUBLE CLICK BEAM	80x40 mm DOUBLE CLICK BEAM	120x40 mm DOUBLE CLICK BEAM	120x 60 mm DOUBLE CLICK BEAM	150x40 mm DOUBLE CLICK BEAM	150x60 mm DOUBLE CLICK BEAM	200x40 mm DOUBLE CLICK BEAM	200x60 mm DOUBLE CLICK BEAM
50	30	22.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
66.67	40	19.75	22.00	22.00	22.00	22.00	22.00	22.00	22.00
83.33	50	17.50	22.00	22.00	22.00	22.00	22.00	22.00	22.00
100	60	16.00	22.00	22.00	22.00	22.00	22.00	22.00	22.00
116.67	70	14.75	22.00	22.00	21.00	22.00	22.00	22.00	22.00
133.33	80	13.75	22.00	22.00	19.75	22.00	22.00	22.00	22.00
150	90	13.00	21.25	22.00	18.50	22.00	22.00	22.00	22.00
166.67	100	12.50	20.25	22.00	17.75	22.00	22.00	22.00	22.00
183.33	110	11.75	19.25	22.00	16.75	22.00	22.00	22.00	22.00
200	120	11.25	18.50	22.00	16.00	22.00	22.00	22.00	22.00

*NOTE: ALLOWABLE DP = ULTIMATE DP X 0.6

ULTIMATE DESIGN PRESSURE* (PSF)	ALLOWABLE DESIGN PRESSURE* (PSF)	CLICK BEAM BATTEN / DOUBLE BATTEN MAX. ALLOWABLE SPAN (FT)							
		60x60 mm CLICK BEAM	80x40 mm CLICK BEAM	120x40 mm CLICK BEAM	120x 60 mm CLICK BEAM	150x40 mm CLICK BEAM	150x60 mm CLICK BEAM	200x40 mm CLICK BEAM	200x60 mm CLICK BEAM
50	30	18.50	13.25	13.25	18.00	13.25	17.75	13.25	17.75
66.67	40	16.75	12.25	12.00	16.25	12.00	16.00	12.00	15.00
83.33	50	15.25	11.25	11.25	14.50	11.25	14.50	11.00	12.00
100	60	14.00	10.50	10.25	13.25	10.25	13.00	10.00	10.00
116.67	70	13.00	9.75	9.50	12.25	9.50	11.50	8.50	8.50
133.33	80	12.00	9.00	9.00	11.50	9.00	10.00	7.50	7.50
150	90	11.25	8.50	8.50	10.75	8.50	9.00	6.75	6.75
166.67	100	10.75	8.00	8.00	10.00	8.00	8.00	6.00	6.00
183.33	110	10.25	7.75	7.50	9.00	7.25	7.25	5.50	5.50
200	120	9.75	7.25	7.25	8.25	6.75	6.75	5.00	5.00

*NOTE: ALLOWABLE DP = ULTIMATE DP X 0.6



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CLIP MOUNT INSTALLATION

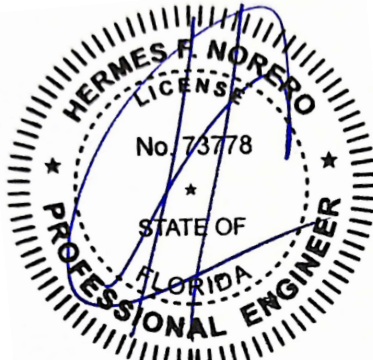
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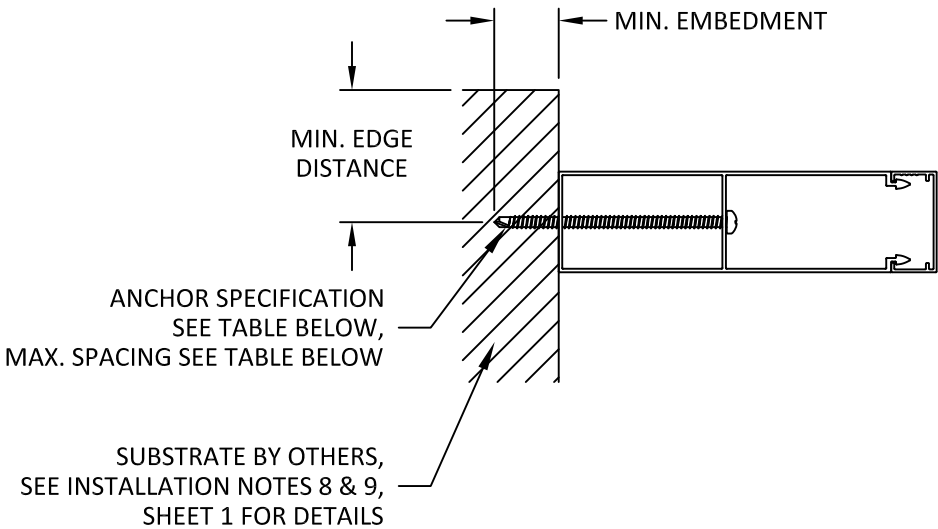
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SHEET:

4

OF 6

WALL MOUNT INSTALLATION



CLICK BEAM FIN CROSS SECTION

NOTE: 150x40 MM SHOWN,
ALL OTHER SIZES SIMILAR.

NOTE: CLICK BEAMS ARE NOT ALLOWED TO BE INSTALLED NEXT TO EACH OTHER.
MINIMUM OF 1" IS REQUIRED.

SUBSTRATE	ANCHOR DESCRIPTION	MIN. EMBEDMENT	MIN. EDGE DISTANCE
WOOD MIN. S.G. = 0.55	#14 WOOD SCREW	1-1/2"	1"
STEEL: MIN. 18 GA., MIN. Fy=36 KSI	#14 SELF-DRILLING OR SELF-TAPPING SCREW (GRADE 5)	3 THREADS PENETRATION PAST METAL STRUCTURE	1/2"
ALUM.: MIN. 1/8", MIN. 6063-T5			
CONCRETE MIN. F'C = 3000 PSI	1/4" ITW TAPCON	1"	2.50"
HOLLOW / GROUT-FILLED BLOCK PER C-90 MIN. F'C = 2000 PSI		1"	4"

CLICK BEAM						
CONFIGURATION	DESIGN PRESSURE (PSF)	WALL MOUNT MAX. ANCHOR SPACING (IN)				
		WOOD	STEEL	ALUM.	CONC.	MASONRY
FIN CLICK BEAM	120	18.0	18.0	18.0	18.0	18.0



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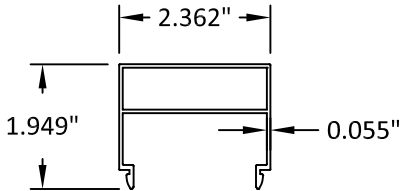
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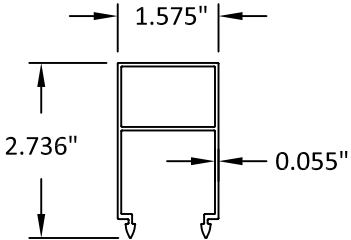
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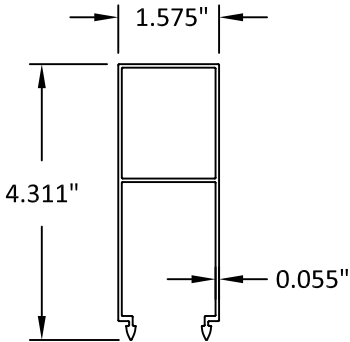
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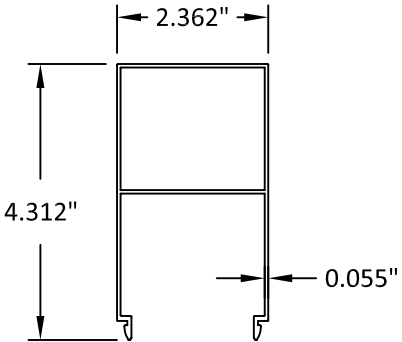
60x60mm CLICK BEAM



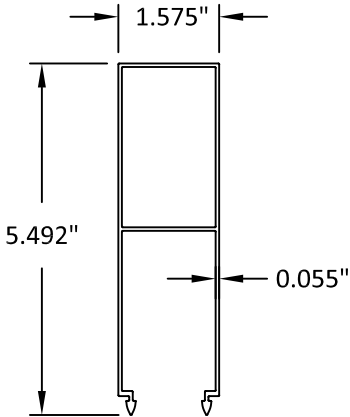
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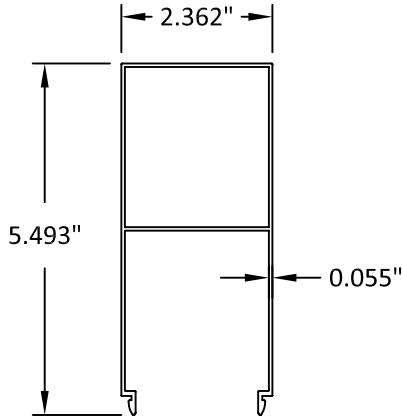
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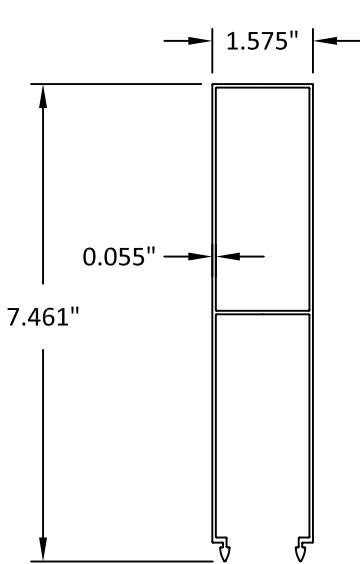
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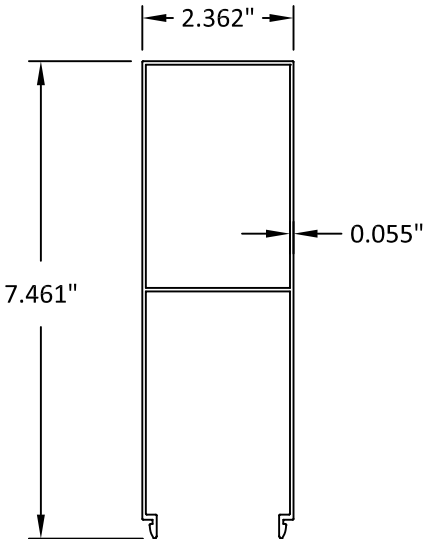
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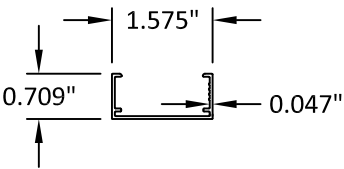
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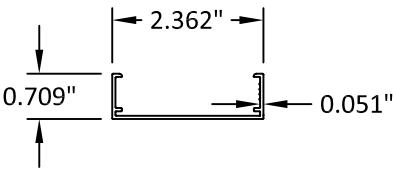
200x40 mm CLICK BEAM



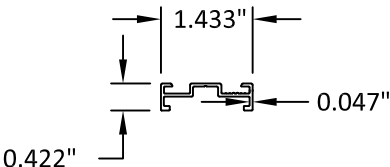
200x60 mm CLICK BEAM



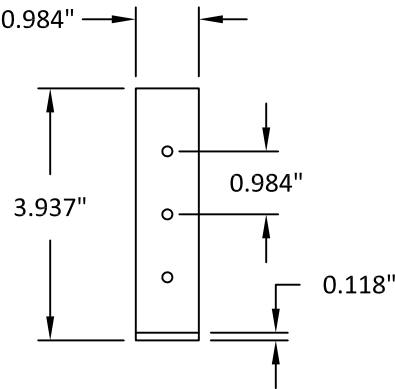
CLICK 40
COVER



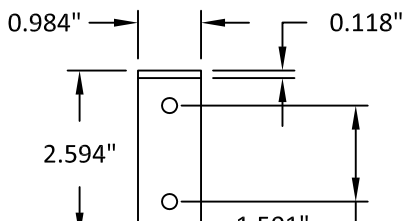
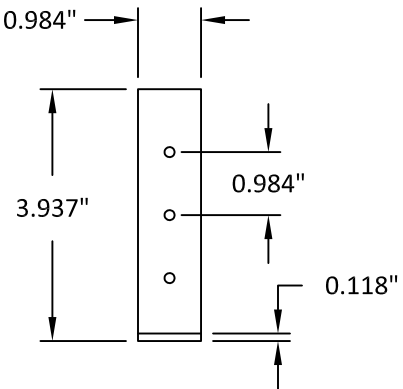
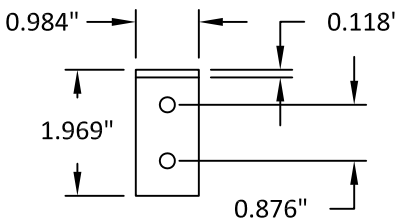
CLICK 60
COVER



H-TRACK



CLIP



MASONRY/CONCRETE
CLIP



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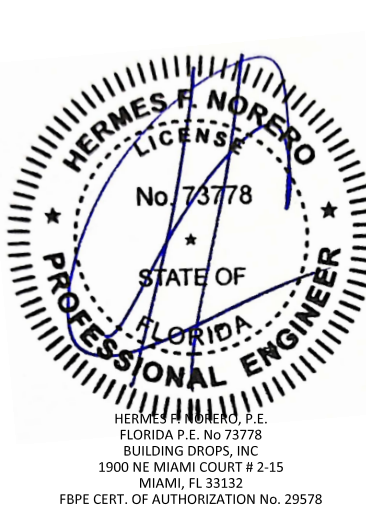
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SCALE:

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DWG. #:

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