

LONGBOARD ARCHITECTURAL PRODUCTS

LINK & LOCK HD BATTEN SYSTEM (HVHZ)

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **INCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - SECTION 1709.8
 - 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.
- 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 BATTEN MEETS THE REQUIREMENTS OF THE CURRENT FBC. APPLICATION OF ALUMINUM BATTEN SHALL MEET REQUIREMENTS OF THE CURRENT FBC.
- ALUMINUM BATTEN SPECIFICATIONS:
 - MATERIAL: 6063-T5
 - MINIMUM WALL THICKNESS: 0.125"
- INSTALLATION OF BATTEN ACCESSORIES SUCH AS END CAP AND MOUNTING CLIP 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 $\pm 1/2$ 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 BATTEN.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - *FASTENERS INSTALLED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.1.1 (ASTM A240 TYPE 304, A305, 316, OR 410).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED UNVENTED SPACES SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
 - CONNECTORS AND METAL PLATES USED BETWEEN 300 AND 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED VENTED SPACES, EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE ENHANCED GALVANIZED PER SECTION 1711.1.2.2 (ASTM A653 G185, ASTM A123 AT 2.0 OZ/SF MIN, OR TPI 1 COATING).
 - *CONNECTORS AND METAL PLATES USED WITHIN 300 FEET OF A SALTWATER COASTLINE IN EXTERIOR-PARTIALLY SHELTERED OR EXTERIOR-OPEN EXPOSED SPACES SHALL BE STAINLESS STEEL PER SECTION 1711.1.2.1 (ASTM A240 TYPE 316).
 - FASTENERS USED WITH CONNECTORS OR METAL PLATES SHALL HAVE A CORROSION-RESISTANT COATING OR COMPOSITION COMPATIBLE WITH THAT OF THE CONNECTOR/PLATE TO PREVENT GALVANIC CORROSION BETWEEN DISSIMILAR MATERIALS (SECTION 1711.1.1.3). EXCEPTION: FASTENERS AND CONNECTORS FULLY EMBEDDED IN CONCRETE OR MORTAR ARE EXEMPT FROM NOTES 4 AND 5 (SECTION 1711.1).
- 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.
- WHEN PRODUCT IS INSTALLED TO THE BUILDING ENVELOPE, IT SHALL BE INSTALLED OVER WALLS COMPLYING WITH THE MINIMUM REQUIREMENTS OF FBC SECTION 1624.

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6	COMPONENTS & BILL OF MATERIALS

DESIGN RATING	
INSTALLATION METHOD	DESIGN PRESSURE
WALL MOUNT	SEE SHEET 4 & 5
END TO END	



LONGBOARD®
ARCHITECTURAL PRODUCTS

LONGBOARD ARCHITECTURAL PRODUCTS
1777 CLEARBROOK RD #120
ABBOTSFORD, BC V2T 5X5, CANADA
PH: (800) 604-0343

TITLE:
LINK & LOCK HD BATTEN SYSTEM
(HVHZ)

GENERAL NOTES & INSTALLATION NOTES

PREPARED BY:

BUILDING DROPS

BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954)399-8478
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REMARKS	BY	DATE
MISC. UPDATE	DI	04/30/2025
2026 FBC UPDATE	LS	07/2026

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2026.10.11 10:44 AM -0400'

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BUILDING DROPS, INC
1900 NE MIAMI COURT, UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL41842

DATE:
05.20.24

DWG. BY:
FB

CHK. BY:
HFN

SCALE:
NTS

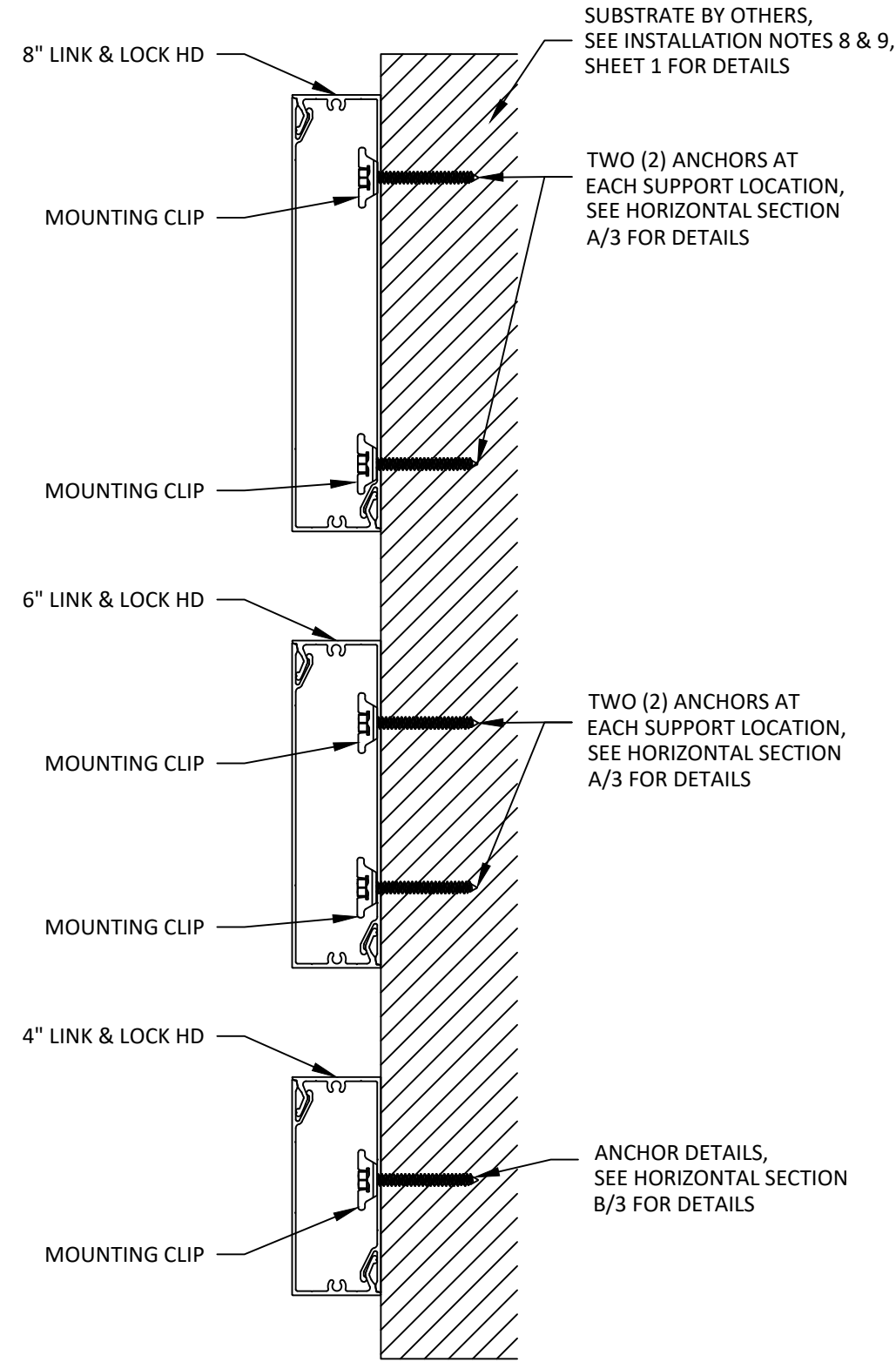
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SHEET:
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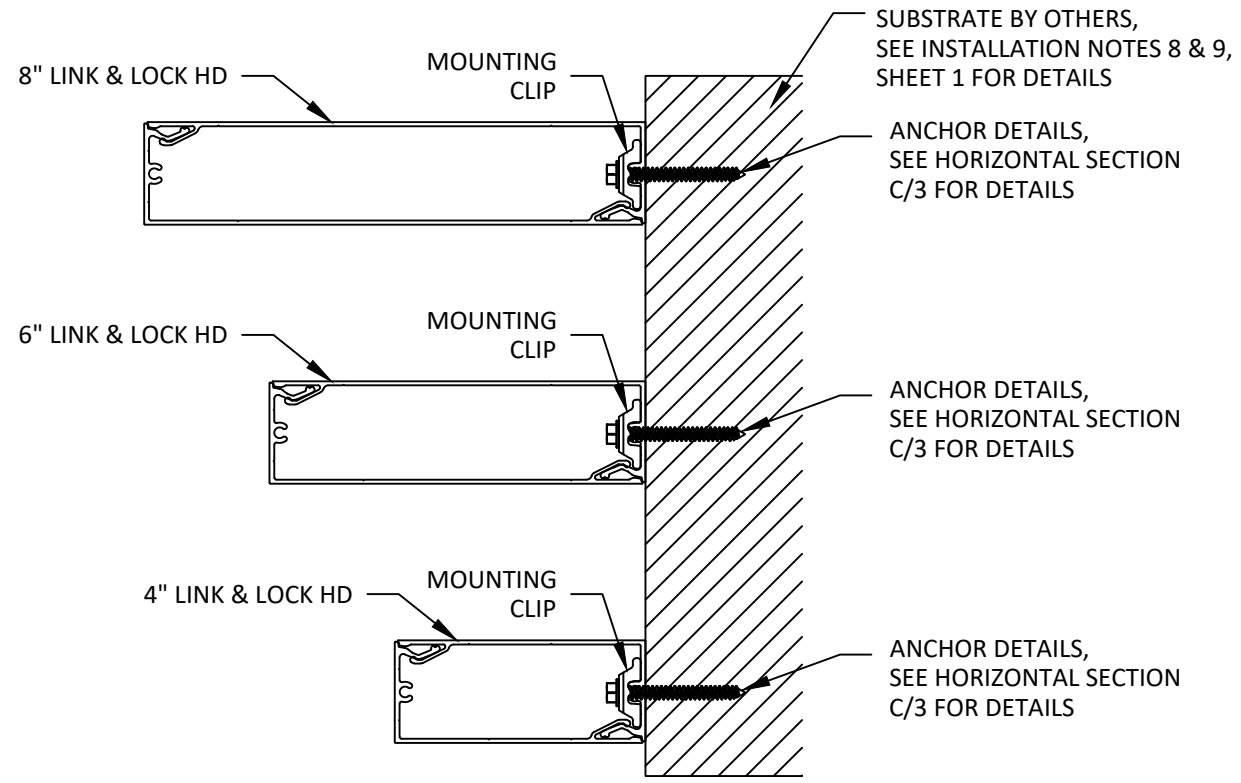
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OF 6

WALL MOUNT INSTALLATION



A
2 VERTICAL SECTION
BATTEN ORIENTATION INSTALLATION



B
3 VERTICAL SECTION
FIN ORIENTATION INSTALLATION



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TITLE:
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WALL MOUNT INSTALLATION:
VERTICAL SECTION

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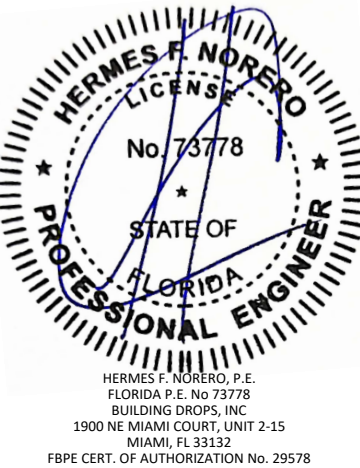
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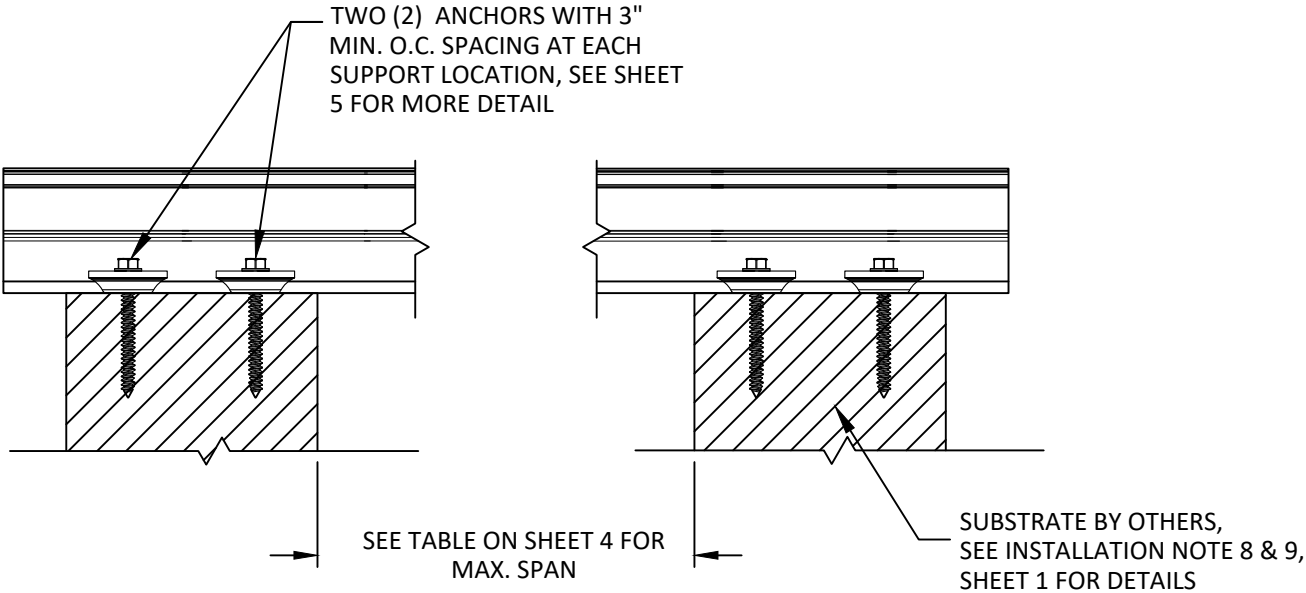
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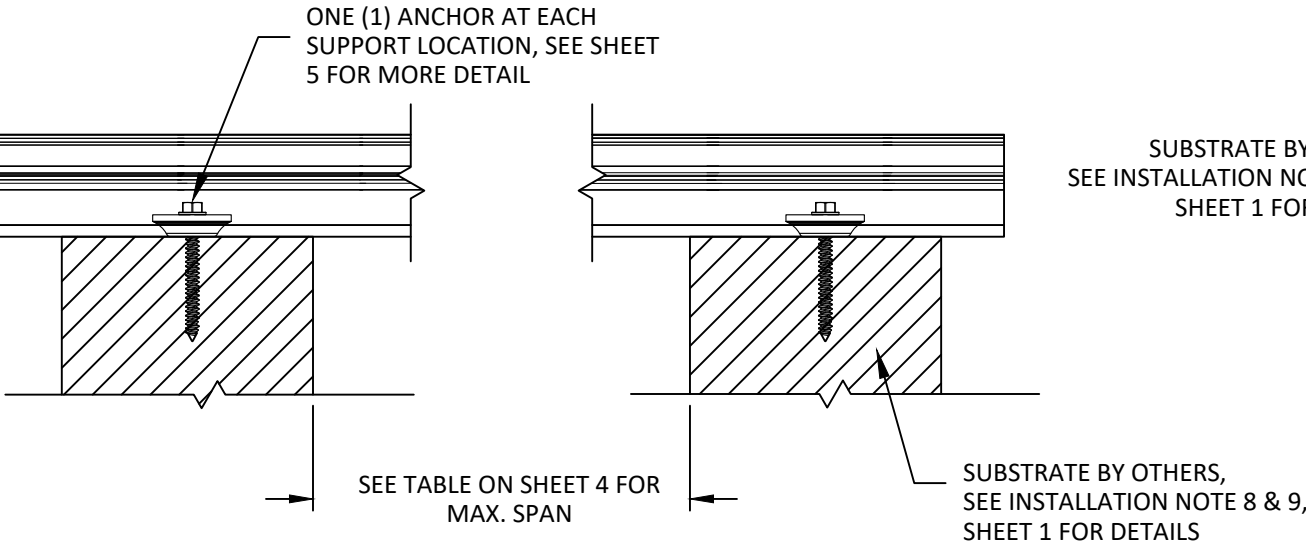
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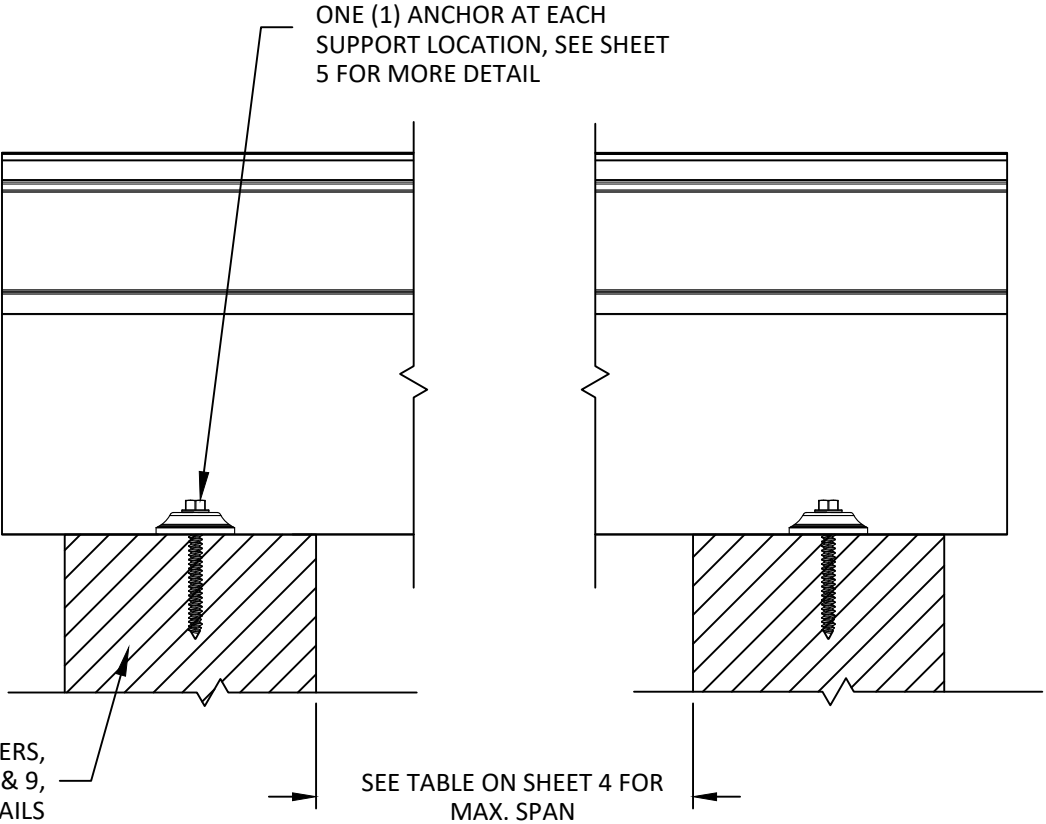
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A
3
HORIZONTAL SECTION
6" & 8" BATTEN INSTALLATION

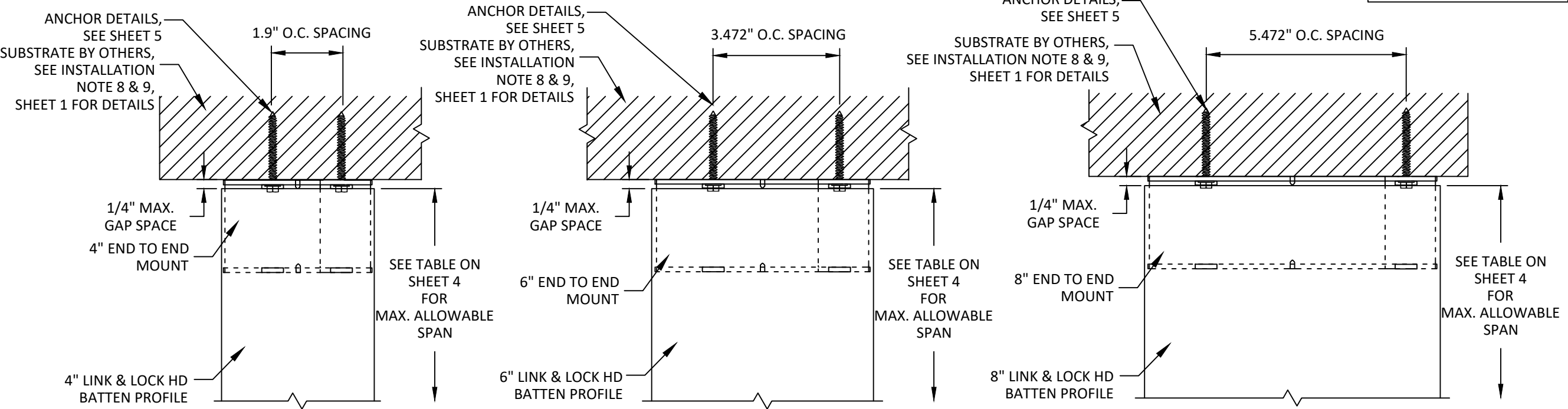


B
3
HORIZONTAL SECTION
4" BATTEN INSTALLATION



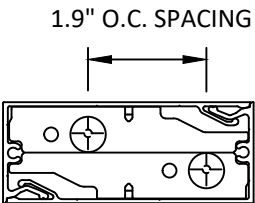
C
3
HORIZONTAL SECTION
FIN INSTALLATION (ALL PROFILES)

END TO END INSTALLATION



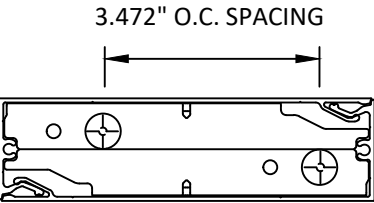
NOTE: TOP END MOUNT
INSTALLATION SHOW,
BOTTOM END INSTALLATION
IS SIMILAR.

VERTICAL SECTION
4" PROFILE - END TO END MOUNT
TOP END INSTALLATION



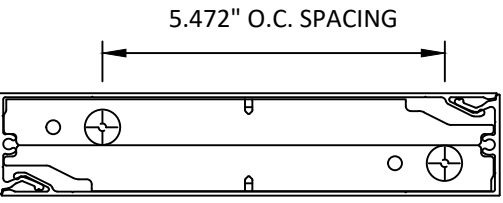
CROSS SECTION
4" END TO END MOUNT

VERTICAL SECTION
6" PROFILE - END TO END MOUNT
TOP END INSTALLATION



CROSS SECTION
6" END TO END MOUNT

VERTICAL SECTION
8" PROFILE - END TO END MOUNT
TOP END INSTALLATION



CROSS SECTION
8" END TO END MOUNT

LINK & LOCK BATTEN MAX. ALLOWABLE SPAN (FT)				
ULTIMATE LOAD (PSF)	ALLOWABLE LOAD (PSF)	MAX. ALLOWABLE SPAN (FT)		
		4" LINK & LOCK HD	6" LINK & LOCK HD	8" LINK & LOCK HD
33	20	12.00	12.00	12.00
67	40	11.75	10.25	7.75
100	60	10.00	6.75	5.00
133	80	7.75	5.00	3.75
167	100	6.00	4.00	3.00
200	120	5.00	3.25	2.50
233	140	4.00	2.75	2.00
267	160	2.00	2.00	1.75

NOTE: SPANS SHOWN WITHIN TABLE
ARE TO BE APPLIED TO ALL BATTEN
SYSTEMS WITHIN REPORT.



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TITLE:
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END TO END INSTALLATION &
DESIGN PRESSURE TABLES

PREPARED BY:

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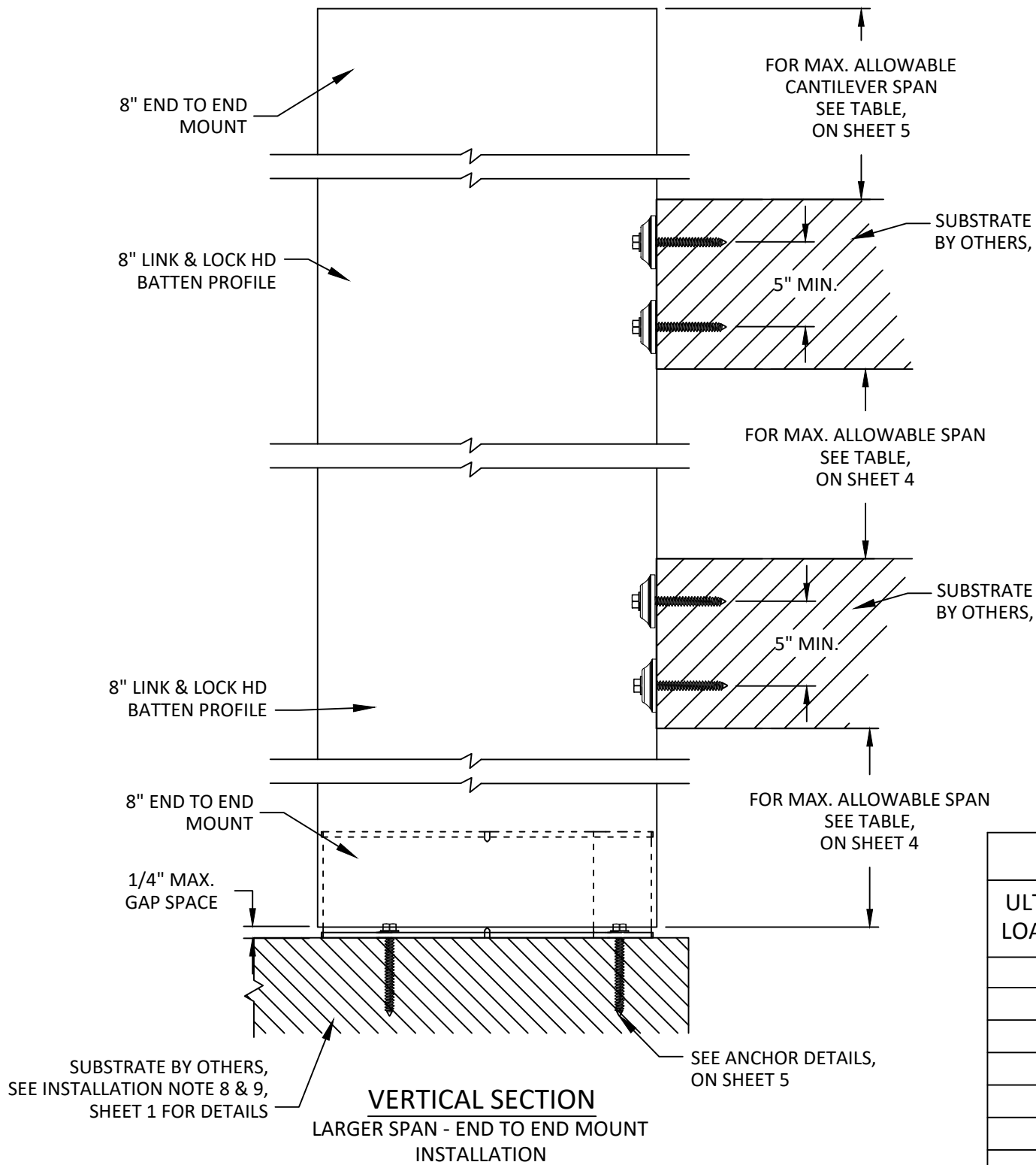
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LARGER SPAN - END TO END INSTALLATION



ANCHOR SCHEDULE			
ANCHOR DESCRIPTION	SUBSTRATE	MIN. EMBEDMENT	MIN. EDGE DISTANCE
#12 WOOD SCREW OR #12 GRK R4 SS SCREW*	MIN. S.G. = 0.55 WOOD	1-1/2"	1"
#12 SELF-DRILLING/TAPPING SCREW OR #12 DEWALT BIFLEX SS SCREW*	STEEL: MIN. 18 GA., MIN. Fy=33 KSI ALUM.: MIN. 1/8", MIN. 6063-T5	3 THREADS PENETRATION PAST METAL STRUCTURE	1/2"
3/16" ITW TAPCON OR 3/16" CRETE-FLEX SS SCREW*	CONCRETE MIN. F'C = 3000 PSI	1-1/2"	1-3/4"
	HOLLOW / GROUT-FILLED BLOCK PER ASTM C-90 MIN. F'C = 2000 PSI	1"	2"

LINK & LOCK BATTEN MAX. ALLOWABLE CANTILEVER SPAN (FT)				
ULTIMATE LOAD (PSF)	ALLOWABLE LOAD (PSF)	MAX. ALLOWABLE CANTILEVER SPAN (FT)		
		4" LINK & LOCK HD	6" LINK & LOCK HD	8" LINK & LOCK HD
33	20	8.75	6.75	5.00
67	40	5.00	3.25	2.50
100	60	3.25	2.25	1.50
133	80	2.50	1.50	1.25
167	100	2.00	1.25	1.00
200	120	1.50	1.00	0.75
233	140	1.25	0.75	0.50
267	160	1.25	0.75	0.50



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LARGER SPAN- END TO END
INSTALLATION & DESIGN PRESSURE

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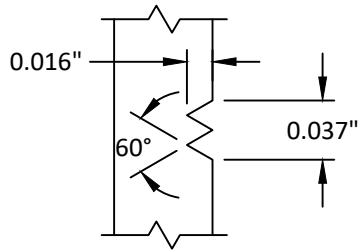
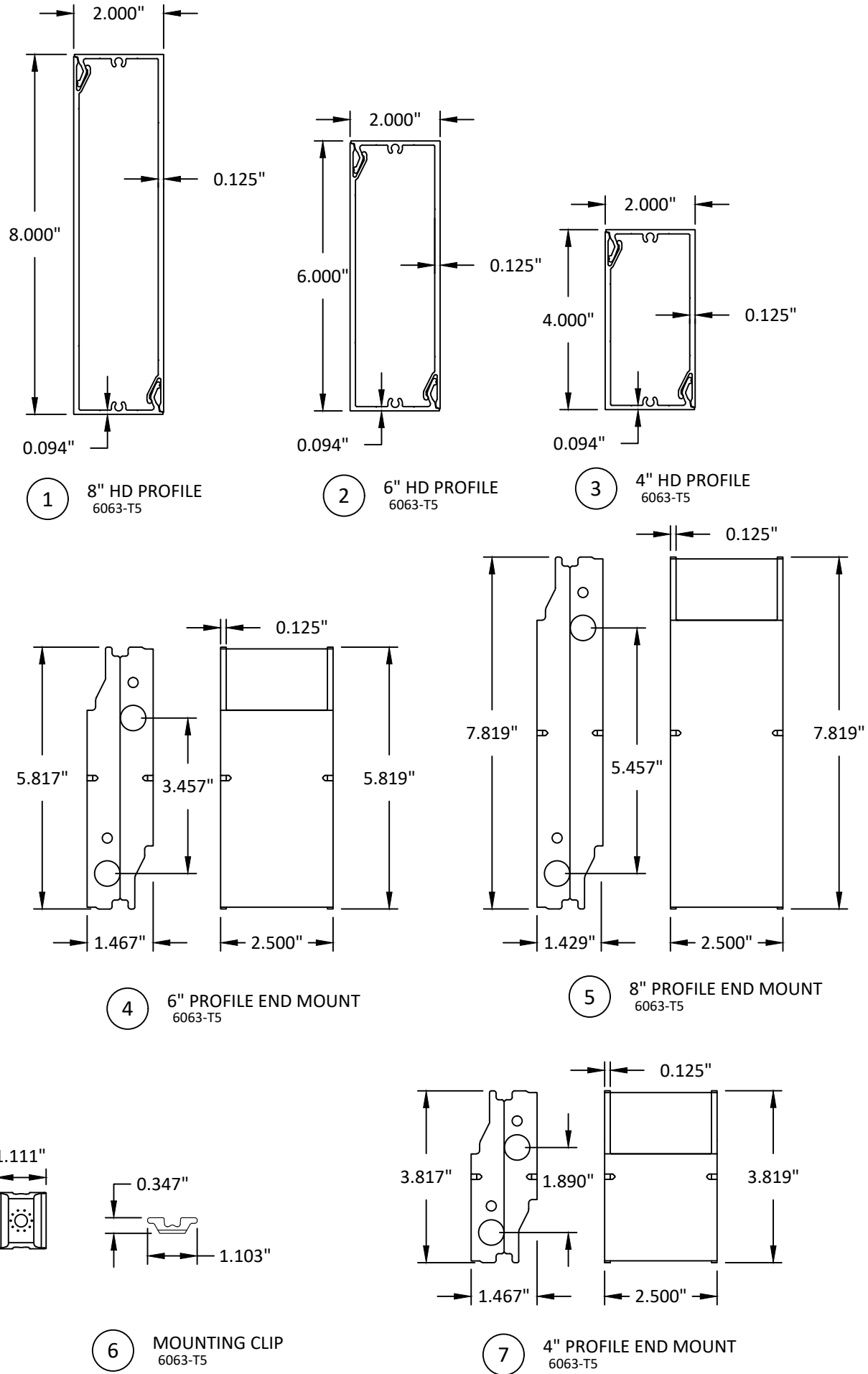
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LINK & LOCK HD - BILL OF MATERIALS			
NO.	PART NO.	DESCRIPTION	REMARKS
1	-	8" HD PROFILE	ALUMINUM 6063-T5
2	-	6" HD PROFILE	ALUMINUM 6063-T5
3	-	4" HD PROFILE	ALUMINUM 6063-T5
4	-	6" PROFILE END MOUNT	ALUMINUM 6063-T5
5	-	8" PROFILE END MOUNT	ALUMINUM 6063-T5
6	-	MOUNTING CLIP	PA6 33% GLASS REINFORCED
7	-	4" PROFILE END MOUNT	ALUMINUM 6063-T5



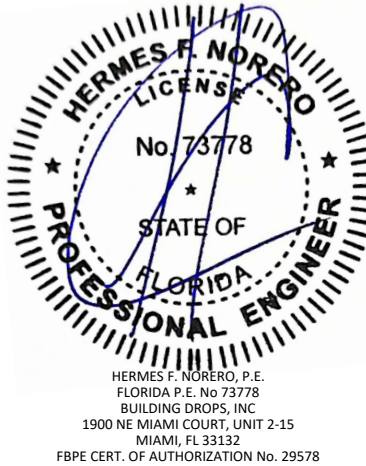
IDENTIFICATION EXTRUSION DIE LINE

TITLE:
LINK & LOCK HD BATTEN SYSTEM
(HVHZ)
COMPONENTS & BILL OF MATERIALS

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