



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

NOTICE OF ACCEPTANCE (NOA)

Linel – A Division of Mestek, Inc.
101 Linel Drive
Mooreville, Indiana 48158

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER- Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the High Velocity Hurricane Zone of the Florida Building Code.

DESCRIPTION: Linel HR2000 – Small Missile Impact Glass Skylight System

APPROVAL DOCUMENT: Drawing titled "Linel HR2000 – Small Missile Impact Glass Skylight System", sheets 1 through 32 of 32, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on November 27, 2023, bearing the Miami-Dade County Product Control revision stamp with the Notice of Acceptance number and the expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state and the following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises NOA #22-0516.02** and consists of this page 1, evidence submitted pages E-1 & E-2 as well as approval document mentioned above.

The submitted documentation was reviewed by **Helmy A. Makar, P.E., M.S.**



Helmy A. Makar
02/15/24

NOA No. 23-1215.10
Expiration Date: 04/26/2028
Approval Date: 02/15/2024
Page 1

Linel – A Division of Mestek, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #18-0221.01

A. DRAWINGS

1. Drawing titled "Linel HR2000 – Small Missile Impact Glass Skylight System", sheets 1 through 32 of 32, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on March 26, 2018.

B. TESTS

1. Test report on Small Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test on Linel HR2000 Skylight Systems, prepared by Intertek / Architectural Testing, Report No. G1530.02-450-18, dated 08/15/17, signed and sealed by Gary T. Hartman, P.E.

C. CALCULATIONS

1. Calculation titled "Linel HR2000 – Small Missile Impact Glass Skylight System, TAS 201-94, TAS 202-94 & TAS 203-94, dated September 08, 2017, revised on March 26, 2018, pages 1 through 68 of 68, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E.

D. QUALITY ASSURANCE

1. By Miami-Dade County Department of Regulatory and Economic Resources.

E. MATERIAL CERTIFICATIONS

1. The Die Drawing.

F. OTHERS

1. Letter of Compliance with the Florida Building Code, 2017 Edition, issued by David S. Barron, P.E., dated March 26, 2018, signed and sealed by David S. Barron, P.E.
2. Thermal Performance Computer Simulation Report (dated 9-21-17) prepared by NFRC Certified Simulator, Andrew Riley for the LINEL HR2000 Hurricane Resistant Systems showing a system U-factor of 0.299 BTU/(hr-ft²-degree F) and a Solar Heat Gain Coefficient (SHGC) of 0.164.

2. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL NOA #22-0516.02

A. DRAWINGS

1. Drawing titled "Linel HR2000 – Small Missile Impact Glass Skylight System", sheets 1 through 32 of 32, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on April 28, 2022.

B. TESTS

1. None.



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1215.10
Expiration Date: 04/26/2028
Approval Date: 02/15/2024

Linell – A Division of Mestek, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *The Die Drawing.*

F. OTHERS

1. *Letter of Compliance with the Florida Building Code, 2020 Edition, issued by David S. Barron, P.E., dated April 28, 2022, signed and sealed by David S. Barron, P.E.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing titled "Linell HR2000 – Small Missile Impact Glass Skylight System", sheets 1 through 32 of 32, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on November 27, 2023.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*

D. QUALITY ASSURANCE

1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter of Compliance with the Florida Building Code, 2023 Edition, issued by David S. Barron, P.E., dated November 27, 2023, signed and sealed by David S. Barron, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1215.10
Expiration Date: 04/26/2028
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LINEL HR2000 – SMALL MISSILE GLASS SKYLIGHT IMPACT SYSTEM

- 1) System Description: The Linel HR2000 small missile impact skylight system as sampled for the impact testing shown on these shop drawings and certified calculations is comprised of an extruded aluminum framing system that will be custom engineered to comply with project specific applications in accordance with the 2023 Edition of the Florida Building Code.
- 2) Skylight Types: The test specimens shown on these shop drawings address the basic examples of typical skylight configurations as shown below but are not intended to limit variations in design loads, pitch, profile, framing and glass layouts or size.
- 3) Product Approval Testing: The test specimens shown on these shop drawings were tested by a licensed, independent test laboratory and are in compliance with the requirements of Miami-Dade County TAS-201, TAS-202, and TAS-203 including AAMA 501.1 as referenced by the following documentation:

GENERAL NOTES:

- 1) The Linel HR2000 small missile impact skylight system has been designed for compliance with the High Velocity Hurricane Zone of the 2023 Edition of the Florida Building Code and has been tested and approved for design pressures not to exceed +120 psf and -120 psf.
- 2) The extruded aluminum framing members, connections and anchors tested were sized per the structural calculations to suit the spans and design pressures noted above. Refer to the standard hardware and components details included with this set of shop drawings.
- 3) Aluminum skylight components that are in contact with non-compatible support construction materials shall be isolated per the 2023 Edition of the Florida Building Code.
- 4) The structural design and integrity of project specific support and adjacent construction is not part of this approval and is the responsibility of the project engineer and plans examiner for the corresponding building department.
- 5) The maximum size of the insulating laminated glass unit is limited to 40 square feet. Variations in project specific glass shapes or sizes can be valuated using equivalent square foot calculations in accordance with ASTM E 1300.
- 6) Small Missile Glass Makeup for Specimen #1 and #5
1 5/16" insulating laminated glass
1/4" clear fully-tempered glass outer lite
1/2" dry air interspace with stainless steel spacers
9/16" laminated glass inner lite
1/4" clear heat-strengthened glass
0.060" clear polyvinyl butyral (pvb) interlayer, as manufactured by Eastman or Kuraray
1/4" clear heat-strengthened glass
- 7) Small Missile Laminated Glass Makeup for Specimen #2 and #6
9/16" laminated glass
1/4" clear heat-strengthened glass
0.060" clear polyvinyl butyral (pvb) interlayer, as manufactured by Eastman or Kuraray
1/4" clear heat-strengthened glass

- 8) Small Missile Laminated Glass Makeup for Specimen #2
9/16" laminated glass
1/4" clear heat-strengthened glass
0.090" clear Kuraray SentryGlas interlayer
1/4" clear heat-strengthened glass

APPROVAL STAMPS & SIGNATURES:

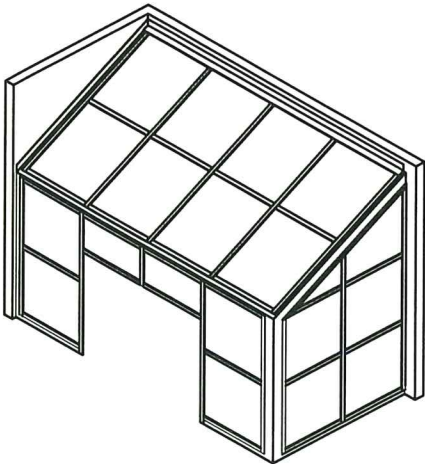
DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601
LICENSE # 36374
11-27-2023

DAVID S BARRON
LICENSE
No. 36374
STATE OF FLORIDA
PROFESSIONAL ENGINEER

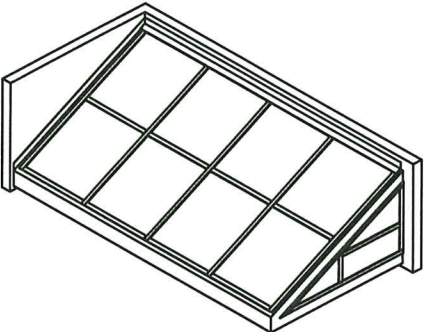
APPROVAL STAMPS & SIGNATURES:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No 23-1215-10
Expiration Date 04/26/2028
By H. A. M.
Miami Dade Product Control

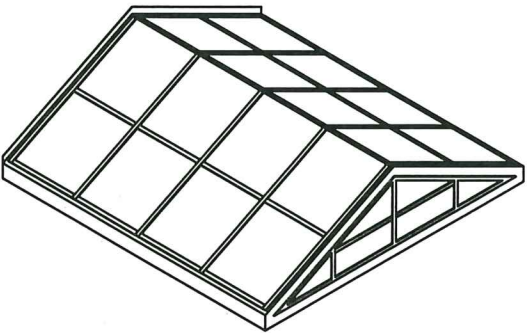
MIAMI – DADE COUNTY PRODUCT CONTROL



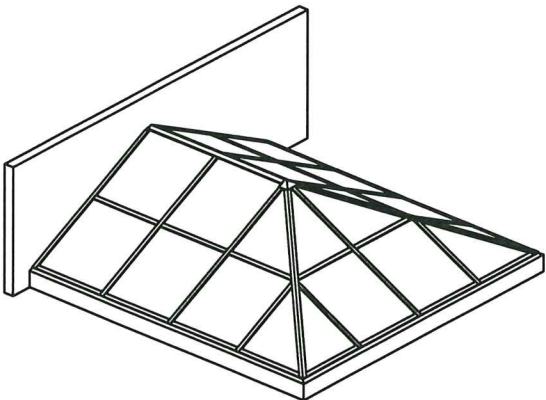
SINGLE PITCH WITH GABLE END



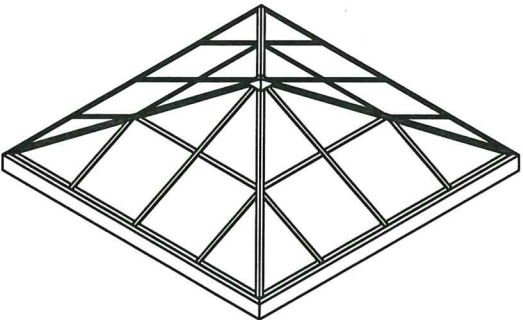
SINGLE PITCH WITH GABLE END



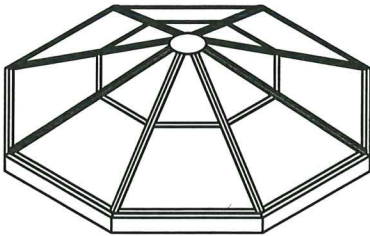
RIDGE WITH GABLE END



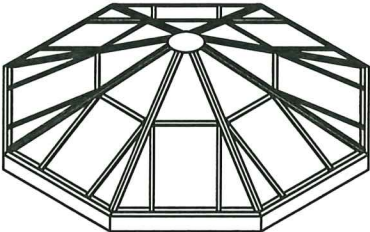
RIDGE WITH HIP END



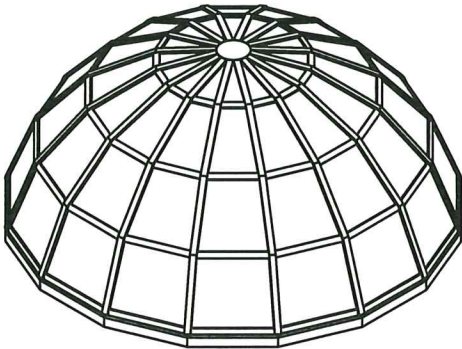
PYRAMID



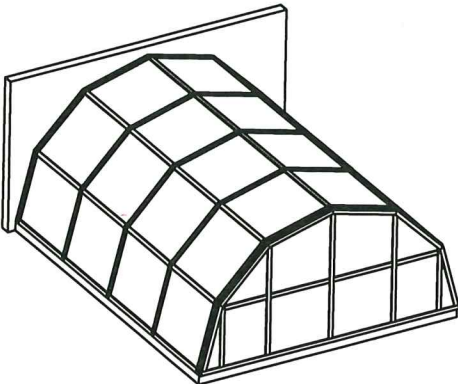
POLYGON



POLYGON WITH JACK RAFTERS



SEGMENTED DOME



SEGMENTED BARREL VAULT WITH GABLE END

LINEL
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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023
CALL-OUT NOTES

PAGE NAME: COVER PAGE
SMALL MISSILE SYSTEM
PAGE: C1.015
PAGE NUMBER: 1 OF 32

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SP-45
SNAP PIECE
ALLOY: 6063-T6
CALLOUT: A1



RC-5
RETENTION CLIP
ALLOY: 6005-T5
CALLOUT: A6



CS-37
COMPRESSION STRIP
ALLOY: 6063-T6
CALLOUT: A2



GC-3
GLAZING CHANNEL
ALLOY: 6063-T6
CALLOUT: A7



N-28S
SILICONE GASKET
DUROMETER 60 +/- 5
CALLOUT: G1



N-18S



SP-46
RIDGE SNAP PIECE
ALLOY: 6063-T6
CALLOUT: A11



MODIFIED RC-5



N-18S
SILICONE GASKETS
DUROMETER 60 +/- 5
CALLOUT: G2



N-34S



N-34S
SILICONE SETTING
BLOCK
DUROMETER 80 +/- 5
CALLOUT: G3



MI-126
SETTING BLOCK CHAIR
ALLOY: 6005-T5
CALLOUT: A8



CS-38
RIDGE COMPRESSION STRIP
ALLOY: 6063-T6
CALLOUT: A12



GC-3



N-28S



N-18S



N-35S
SILICONE SETTING
BLOCK
DUROMETER 70 +/- 5
CALLOUT: G4



SP-47
HIP EXTERIOR SNAP
ALLOY: 6063-T6
CALLOUT: A18



CS-39
HIP COMPRESSION STRIP
ALLOY: 6063-T6
CALLOUT: A19



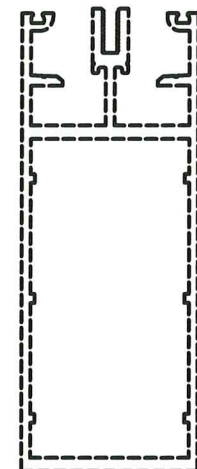
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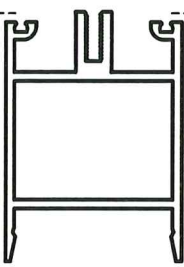
N-37S
SILICONE GASKETS
DUROMETER 60 +/- 5
CALLOUT: G5



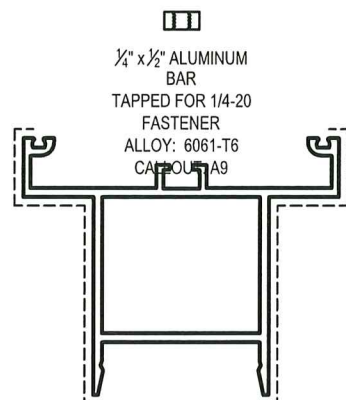
MI-125



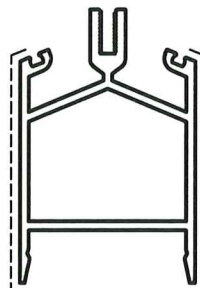
SR-40



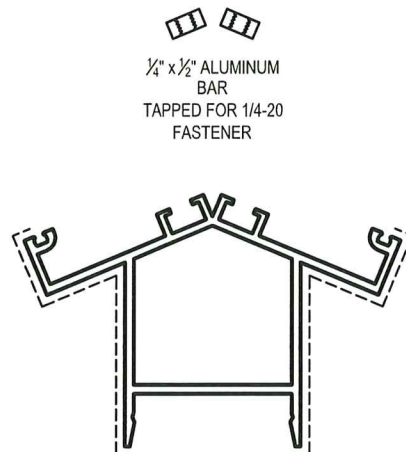
H-65
CAPTURED HORIZONTAL
ALLOY: 6005-T5
CALLOUT: A4



H-66
STRUCTURALLY GLAZED
HORIZONTAL
ALLOY: 6005-T5
CALLOUT: A10



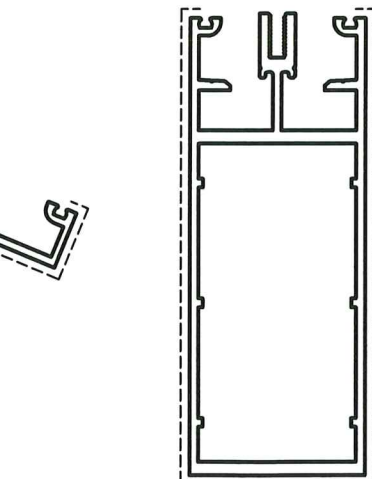
H-67
CAPTURED RIDGE
HORIZONTAL
ALLOY: 6005-T5
CALLOUT: A13



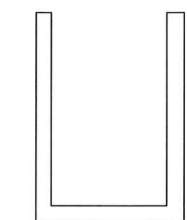
H-68
STRUCTURALLY GLAZED
RIDGE HORIZONTAL
ALLOY: 6005-T5
CALLOUT: A14



1/4" x 1/2" ALUMINUM
BAR
TAPPED FOR 1/4-20
FASTENER



SR-40
CAPTURED RAFTER
ALLOY: 6005-T5
CALLOUT: A17



MI-100
CHANNEL
ALLOY: 6005-T5
CUT TO HEIGHT AS NEEDED
CALLOUT: A22



1248-4
SHEAR BLOCK MOUNT
ALLOY: 6063-T6
CALLOUT: A5



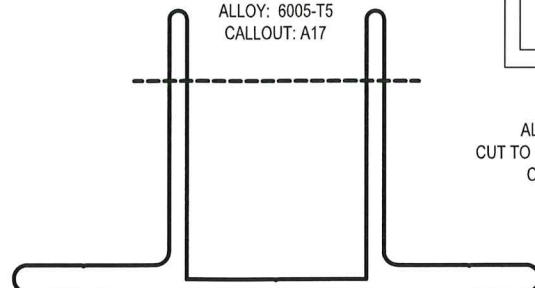
1248-4



1248-4



1248-4



SC-8
RAFTER SADDLE CLIP
ALLOY: 6005-T5
CUT TO HEIGHT AS NEEDED
CALLOUT: A21

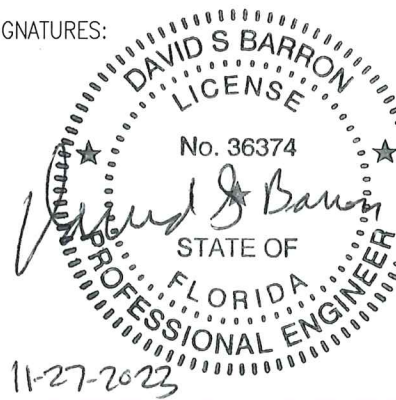


505-6
SNAP PIECE
ALLOY: 6063-T6
NOT USED FOR TESTING
CALLOUT: A20

APPROVAL STAMPS & SIGNATURES:

DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374



APPROVAL STAMPS & SIGNATURES:

MIAMI - DADE COUNTY PRODUCT CONTROL

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1215.10
Expiration Date 04/26/2028
By *[Signature]*
Miami Dade Product Control

CALLOUT	MATERIAL	ALLOY
A23	1" X 3/4" X 1/8" ALUMINUM ANGLE	6063-T6
A24	1 1/4" X 1 1/4" X 3/16" ALUMINUM ANGLE	6063-T6
A25	3" X 5" X 3/8" ALUMINUM ANGLE	6061-T6
A26	12 1/2" O.D. X 0.406" ALUMINUM PIPE	3003, 6005-T5
A27	0.040 ALUMINUM SHEET	3003
A28	0.050 ALUMINUM SHEET	3003
A29	0.063 ALUMINUM SHEET	3003, 6005-T5
A30	0.080 ALUMINUM SHEET	3003, 6005-T5
A31	0.125 ALUMINUM SHEET	3003, 6005-T5
A32	0.250 ALUMINUM PLATE	6061-T6S11
A33	0.375 ALUMINUM PLATE	6061-T6S11

LINEL

101 LINEL DRIVE
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PROJECT:
HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

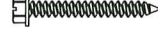
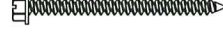
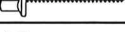
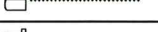
CALL-OUT NOTES

PAGE NAME:
ALUMINUM EXTRUSIONS
& GASKETS

PAGE:
C1.02S

PAGE NUMBER:
2 OF 32

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CALLOUT		DESCRIPTION	MATERIAL	LINEL PART #	DETAIL PAGES
H1		#12 X 3/4" PHILLIPS PAN HEAD AB	316 STAINLESS STEEL		D1.01, D1.02, D1.03, D1.04, D1.05, D1.06, D1.08, D1.09, D1.13, D1.15, D1.16, D1.17, D1.18
H2		#12 X 3/4" HEX WASHER HEAD TEK #3	18-8 STAINLESS STEEL		D1.01, D1.02, D1.06, D1.07, D1.08, D1.09, D1.13, D1.15, D1.16
H3		#12 X 3/4" HEX WASHER HEAD TEK #3	ZINC-PLATED STEEL	HDWR1206	D1.01, D1.02, D1.03, D1.04, D1.05, D1.06, D1.08, D1.15, D1.16, D1.17, D1.18
H4		#12 X 1" PHILLIPS FLAT HEAD U/C AB	ZINC-PLATED STEEL	HDWR1207	D1.09
H5		#12 X 2" HEX WASHER HEAD TEK #5	18-8 STAINLESS STEEL		D1.01, D1.02, D1.06, D1.08, D1.09, D1.15
H6		#14 X 1 1/2" HEX WASHER HEAD AB	ZINC-PLATED STEEL		D1.01, D1.02, D1.03, D1.04, D1.06, D1.07, D1.08, D1.16, D1.17, D1.18
H7		#14 X 2" HEX WASHER HEAD AB	ZINC-PLATED STEEL		D1.15
H8		#14 X 3" HEX WASHER HEAD AB	ZINC-PLATED STEEL		D1.15
H9		5/32" DIA. POP RIVET WITH 1/4" GRIP	ALUMINUM	HDWR2001	D1.01, D1.02, D1.04, D1.05, D1.06, D1.08, D1.13, D1.15, D1.16, D1.17, D1.18
H10		1/4-20 X 3/8" SOCKET HEAD CAP	STAINLESS STEEL		D1.01, D1.02, D1.05, D1.17, D1.18
H11		1/4-20 X 1/2" SOCKET HEAD CAP	STAINLESS STEEL		D1.01, D1.02, D1.03, D1.05, D1.17, D1.18
H12		1/4-20 X 1 PHILLIPS FLAT HEAD TYPE F	ZINC-PLATED STEEL		D1.06, D1.07
H13		1/4-20 X 1 1/2" HEX HEAD WITH NEOPRENE WASHER	STAINLESS STEEL	HDWR2511	D1.15, D1.18
H14		1/4-20 X 1 3/4" HEX HEAD WITH NEOPRENE WASHER	STAINLESS STEEL	HDWR2512	D1.05
H15		1/4-20 X 2" HEX WASHER HEAD TYPE F	ZINC-PLATED STEEL		D1.04, D1.05, D1.06, D1.07
H16		1/4-20 X 2 1/4" HEX HEAD WITH NEOPRENE WASHER	STAINLESS STEEL	HDWR2514	D1.01, D1.02, D1.03, D1.04, D1.06, D1.08, D1.16, D1.17
H17		3/8-16 X 3/4" PHILLIPS FLAT HEAD UNDERCUT MACHINE SCREW	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.06, D1.07
H18		3/8-16 X 1" T-40 TORX HEAD	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.04, D1.05, D1.06, D1.12, D1.13
H19		3/8-16 X 1 1/2" FLANGED HEX HEAD	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.01, D1.02, D1.04, D1.05, D1.06, D1.08, D1.16, D1.17, D1.18
H20		3/8-16 X 1 3/4" HEX HEAD TAP BOLT	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)	HDWR3710	D1.12, D1.13
H21		3/8-16 X 2" HEX WASHER HEAD TYPE F	ZINC-PLATED STEEL	HDWR3712	D1.01, D1.02, D1.04, D1.05, D1.06, D1.08, D1.16, D1.17, D1.18
H22		3/8-16 X 4" HEX HEAD CAP BOLT	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.02, D1.04, D1.05, D1.06, D1.15
H23		3/8" DIA. FLAT WASHER	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.02, D1.04, D1.05, D1.06, D1.12, D1.13, D1.15
H24		3/8" DIA. LOCK WASHER	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.02, D1.04, D1.05, D1.06, D1.12, D1.13, D1.15
H25		3/8-16 HEX HEAD NUT	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.02, D1.04, D1.05, D1.06, D1.12, D1.13, D1.15
H26		DOW CORNING 795	SILICONE BUILDING SEALANT		D1.01, D1.02, D1.03, D1.04, D1.05, D1.06, D1.08, D1.09, D1.13, D1.14, D1.15, D1.16, D1.17, D1.18
H27		BACKER ROD			D1.01, D1.02, D1.03, D1.04, D1.05, D1.08, D1.09, D1.13, D1.14, D1.15, D1.16, D1.17, D1.18
H28		DOW CORNING 983	STRUCTURAL GLAZING SEALANT		D1.01, D1.02, D1.03, D1.05, D1.17, D1.18
H29		NORTON TAPE			D1.01, D1.02, D1.04, D1.06, D1.08, D1.13, D1.15, D1.16, D1.17, D1.18
H30		SEALING TAPE			D1.07
H31		WEEP BAFFLE			D1.01, D1.02, D1.08, D1.15
H32		PLASTIC SHIMS			D1.01, D1.02, D1.08, D1.15
H33		ALUMINUM SHIMS			D1.01, D1.02, D1.06, D1.08, D1.15, D1.16, D1.17, D1.18

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21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

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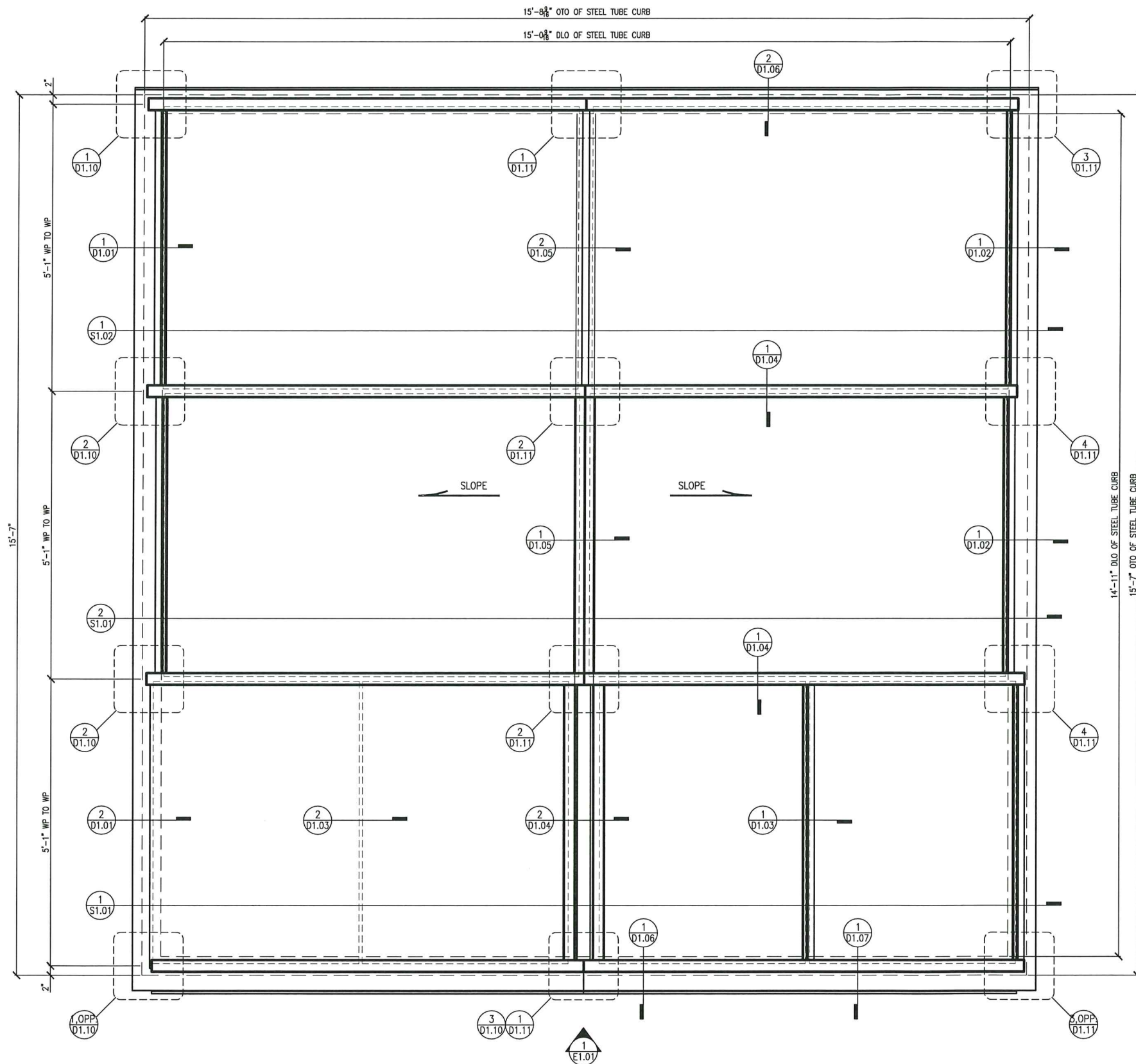
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HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

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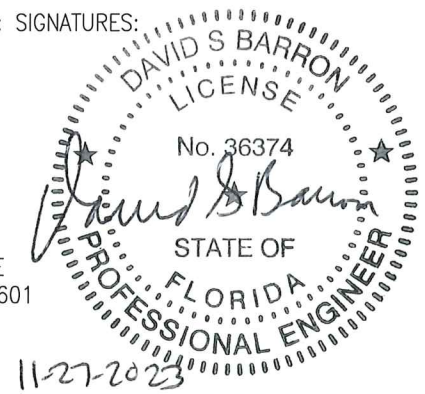


1 SPECIMEN #1 (RIDGE SKYLIGHT W/GABLE END) PLAN VIEW
ONE (1) REQ'D
SCALE: 1"=1'-0"

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PAGE NAME: SPECIMEN #1
PAGE: P1.01
PAGE NUMBER: 4 OF 32
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SCALE: 1"=1'-0"

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PAGE NAME:
SPECIMEN #1 TAG DRAWING

PAGE: PAGE NUMBER:
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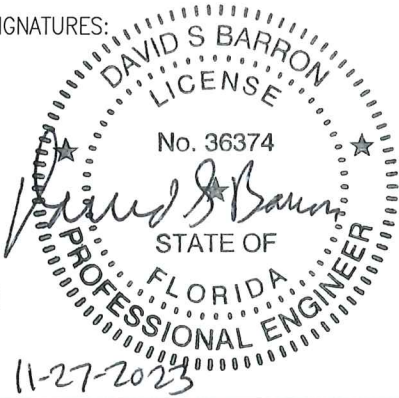
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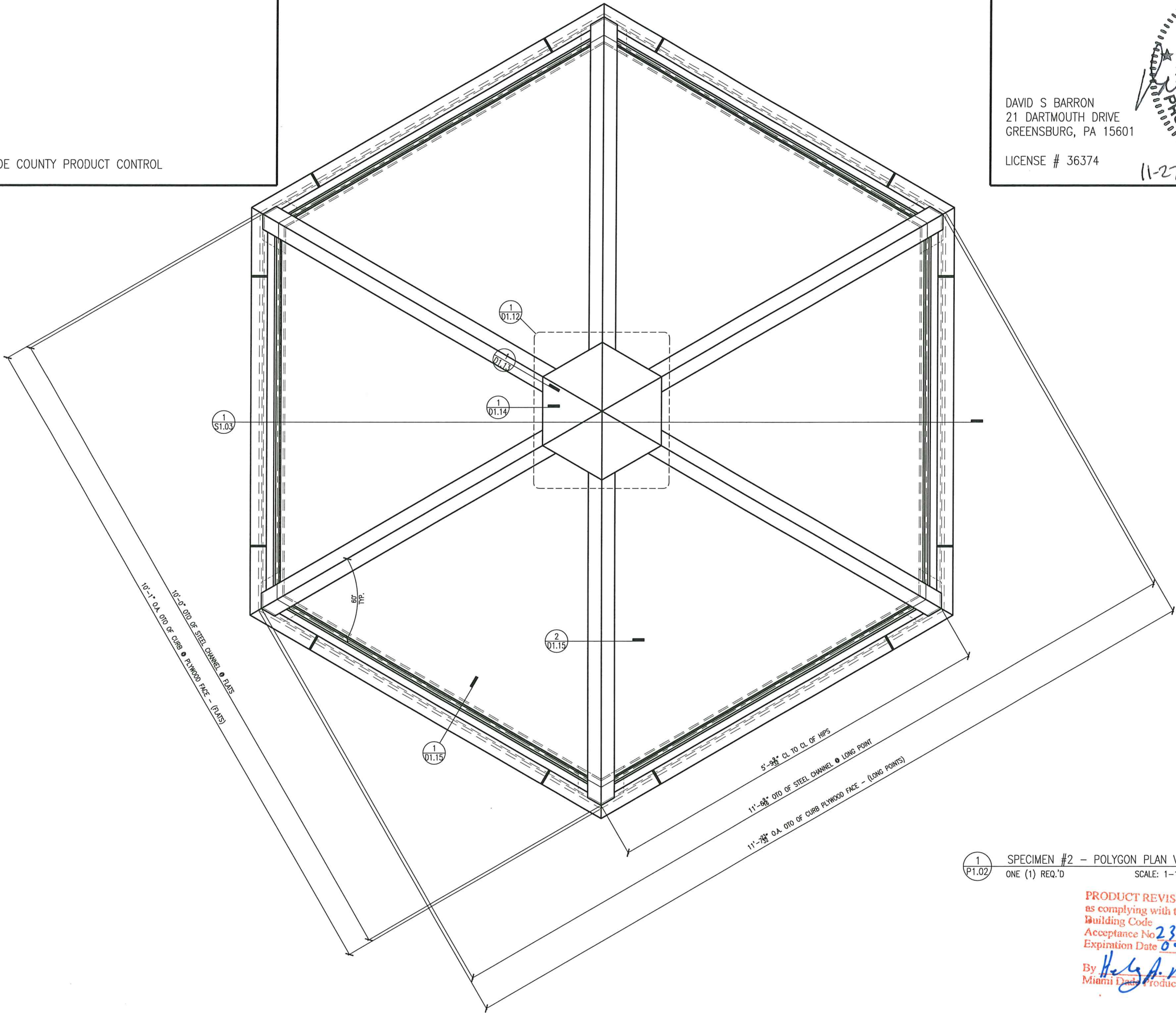


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1 SPECIMEN #2 – POLYGON PLAN VIEW
P1.02 ONE (1) REQ'D SCALE: 1-1/2"=1'-0"

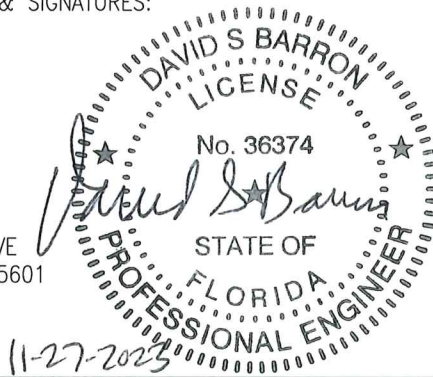
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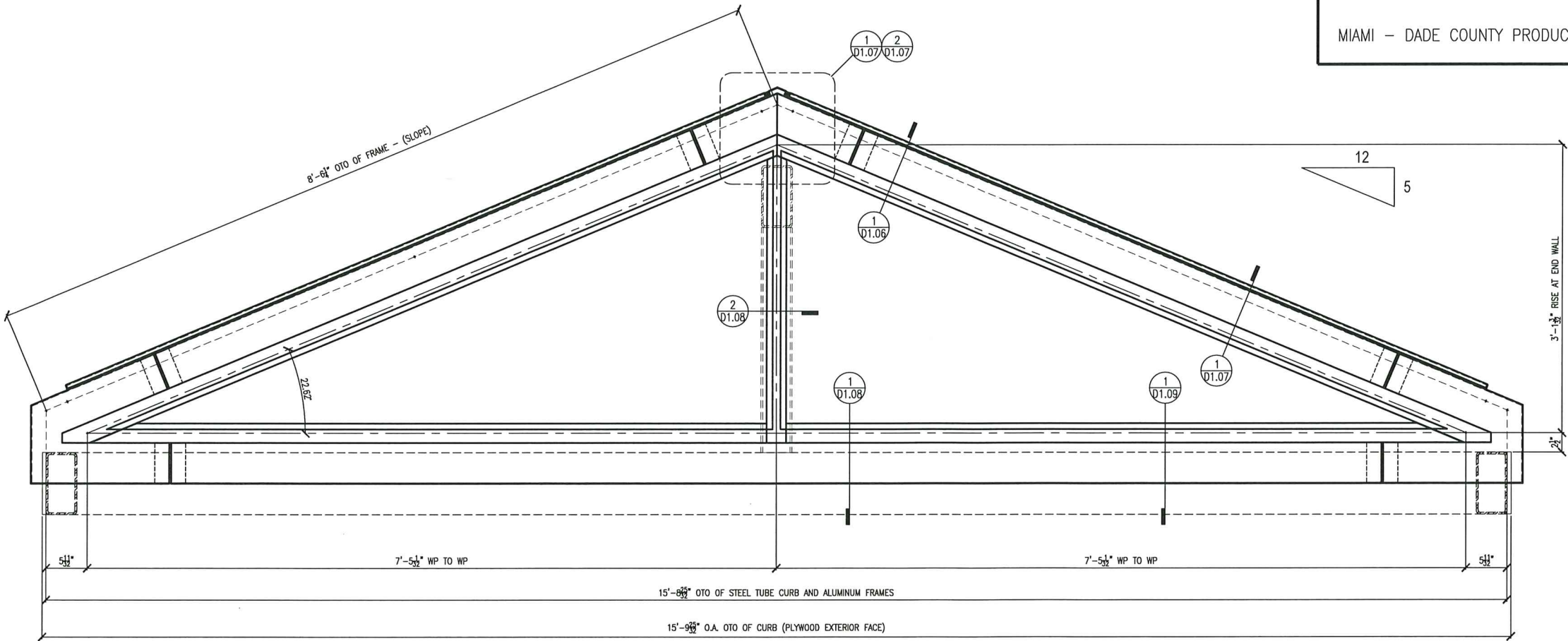
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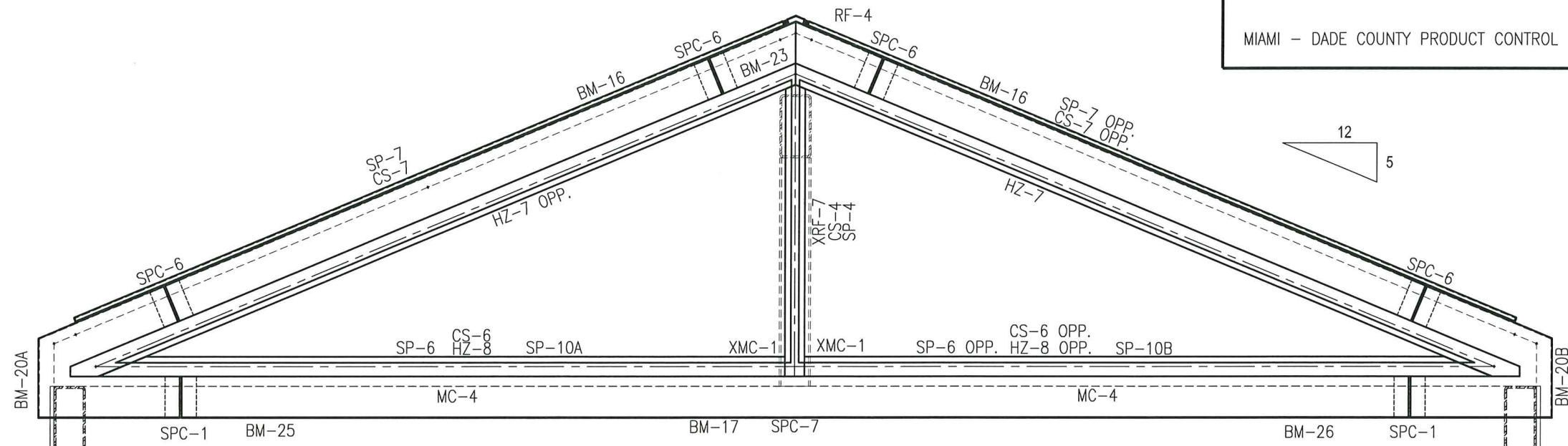


1 SPECIMEN #1 GABLE END ELEVATION
E1.01 SCALE: 1-1/2"=1'-0"

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PAGE NAME: SPECIMEN #1 ELEVATION
PAGE: E1.01
PAGE NUMBER: 7 OF 32

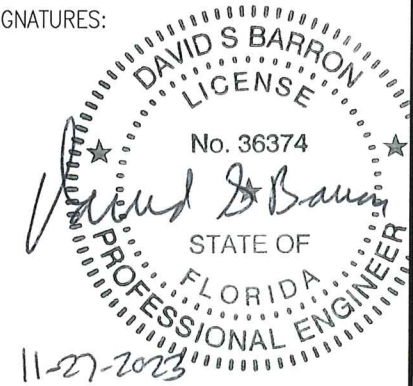
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PAGE NAME:
SPECIMEN #2 TAG DRAWING

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SPECIMEN #1 GABLE END ELEVATION TAGS

SCALE: 1-1/2"=1'-0"

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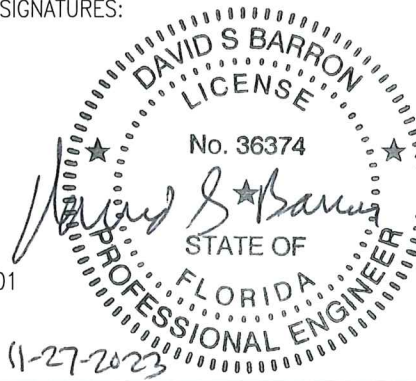
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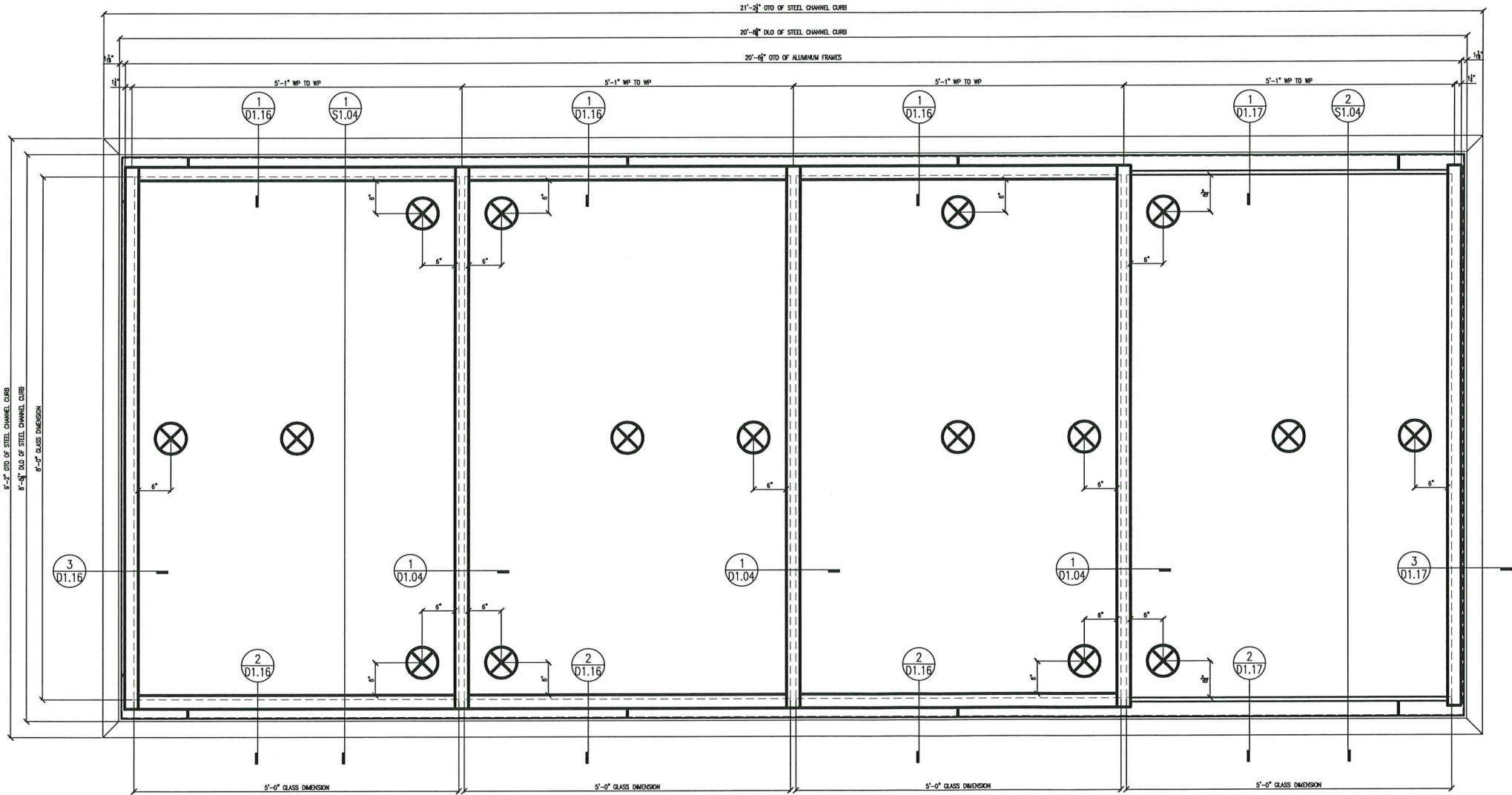
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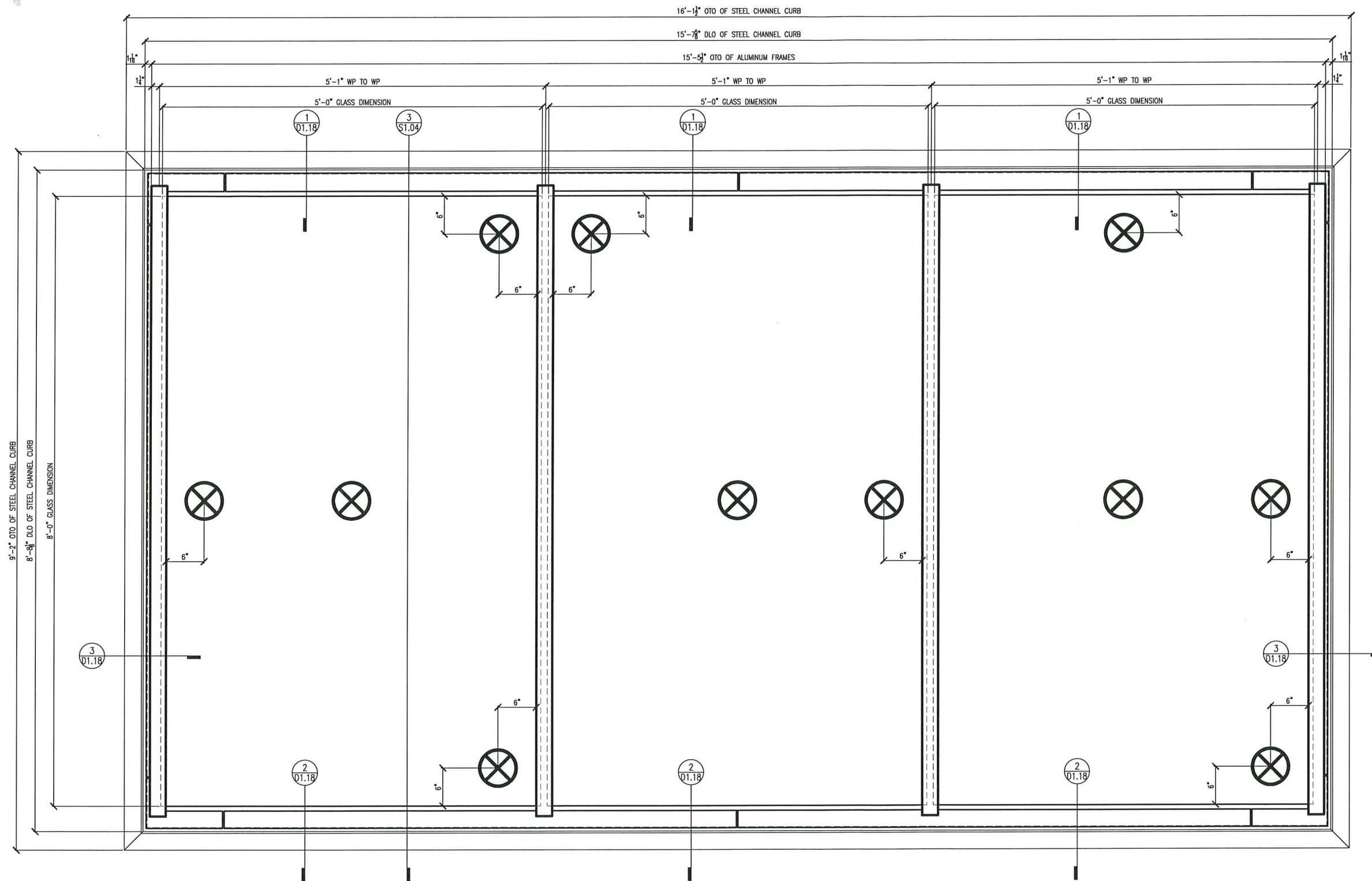
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1
E1.02 SPECIMEN #5 – ELEVATION
ONE (1) REQ'D
"X" DENOTES THE LOCATION OF A SMALL MISSILE IMPACT

SCALE: 1"=1'-0"

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1 SPECIMEN #6 - ELEVATION
E1.03 ONE (1) REQ'D SCALE: 1-1/2"=1'-0"

"X" DENOTES THE LOCATION OF A SMALL MISSILE IMPACT

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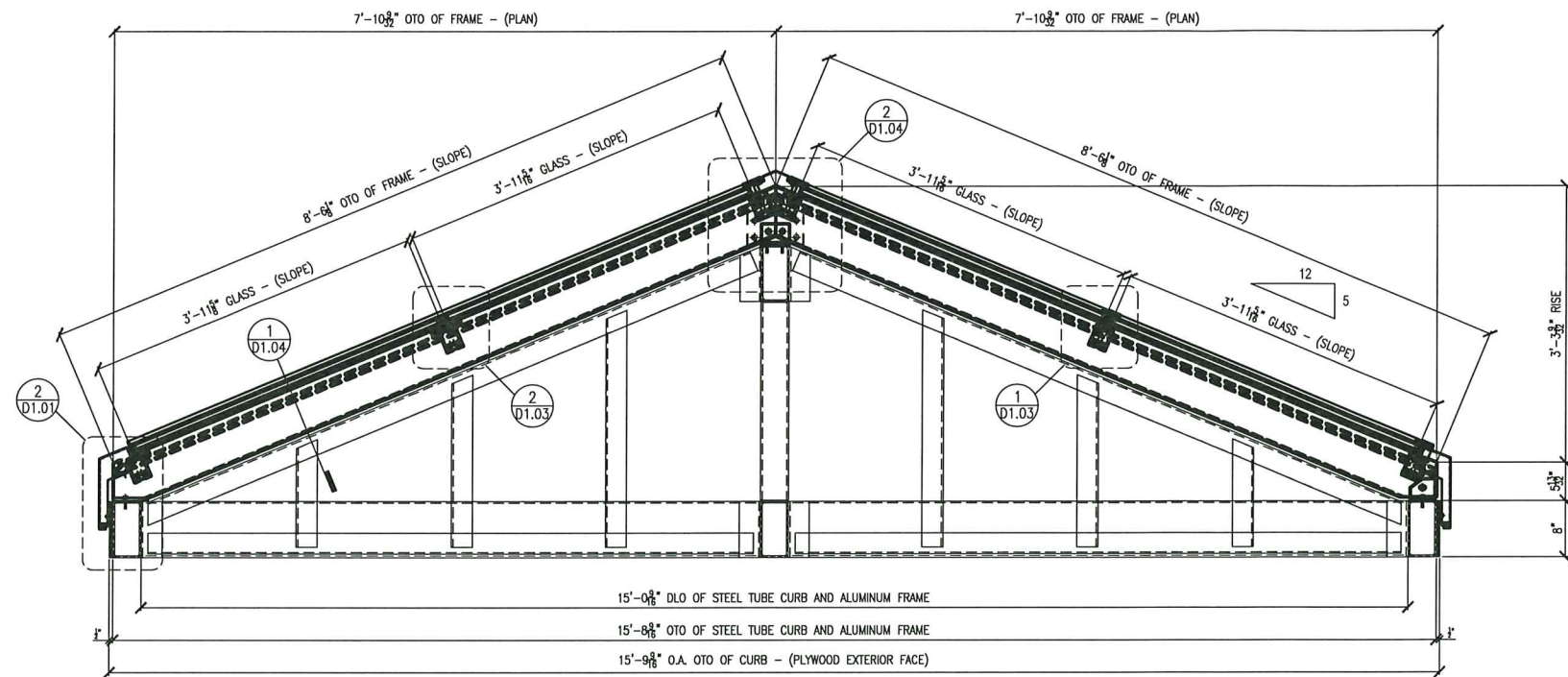
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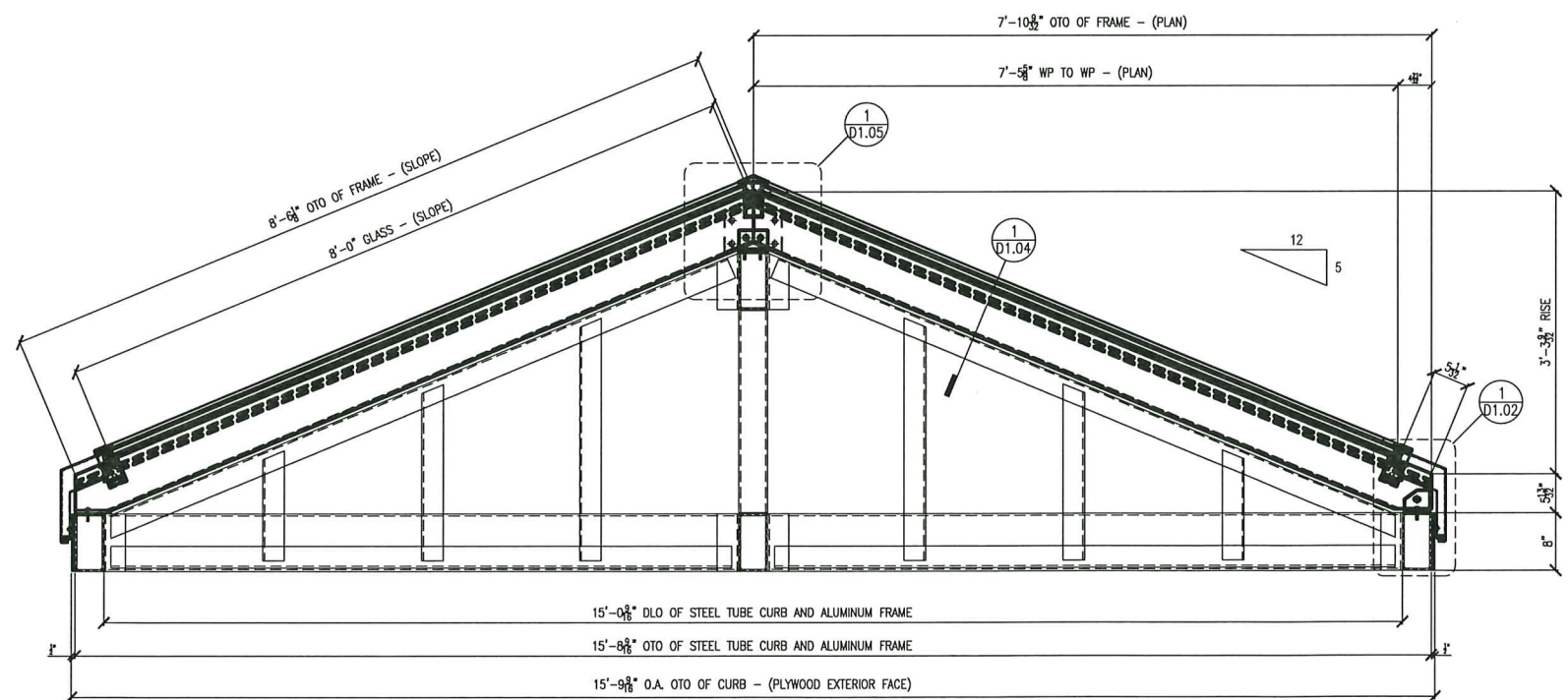
PAGE NAME: SPECIMEN #6

PAGE: E1.03
PAGE NUMBER: 10 OF 32

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1 SPECIMEN #1 SECTION WITH INTERMEDIATE HORIZONTALS
SCALE: 1"=1'-0"

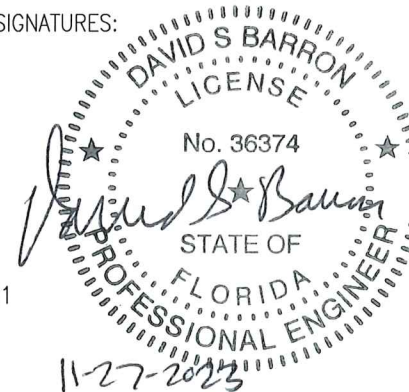


2 SPECIMEN #1 SECTION
SCALE: 1"=1'-0"

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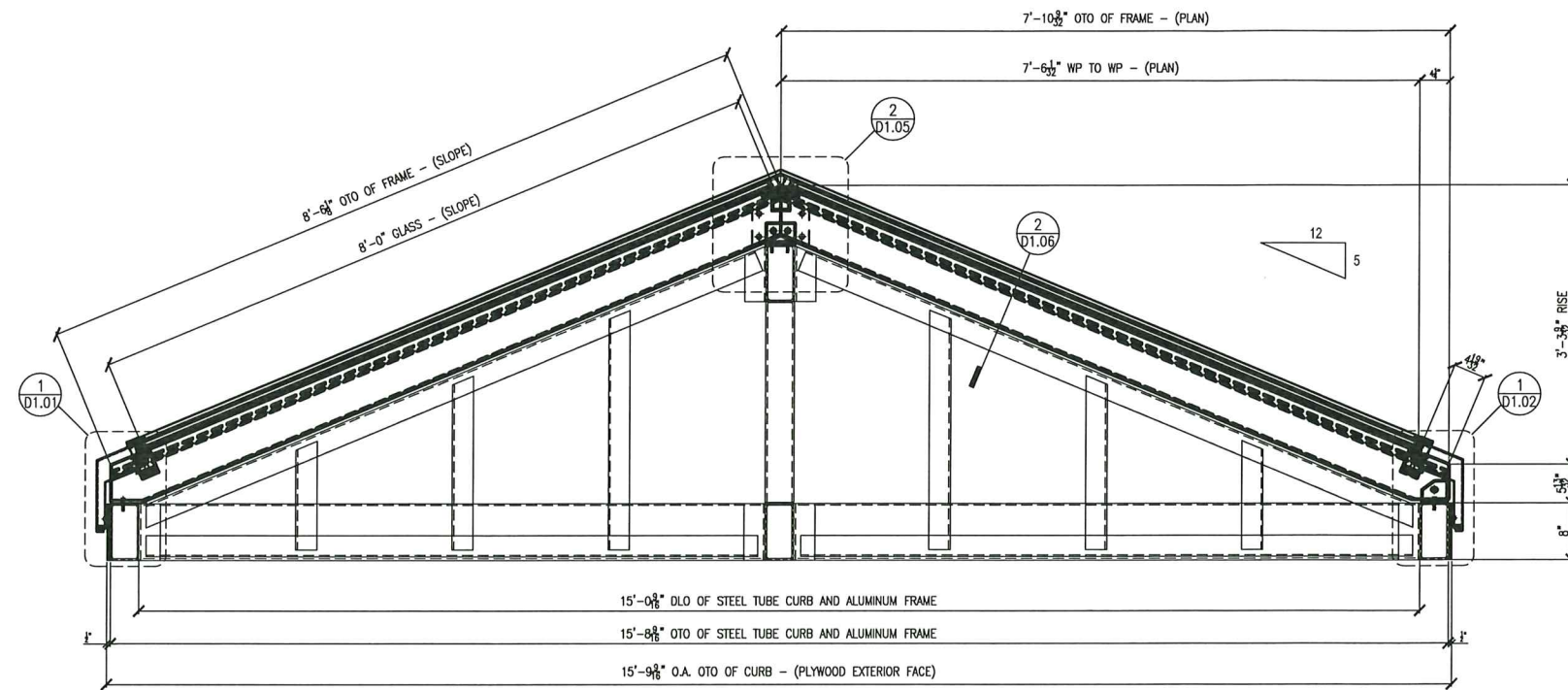
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PAGE NAME: SPECIMEN #1 SECTIONS

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S1.02 SPECIMEN #1 SECTION
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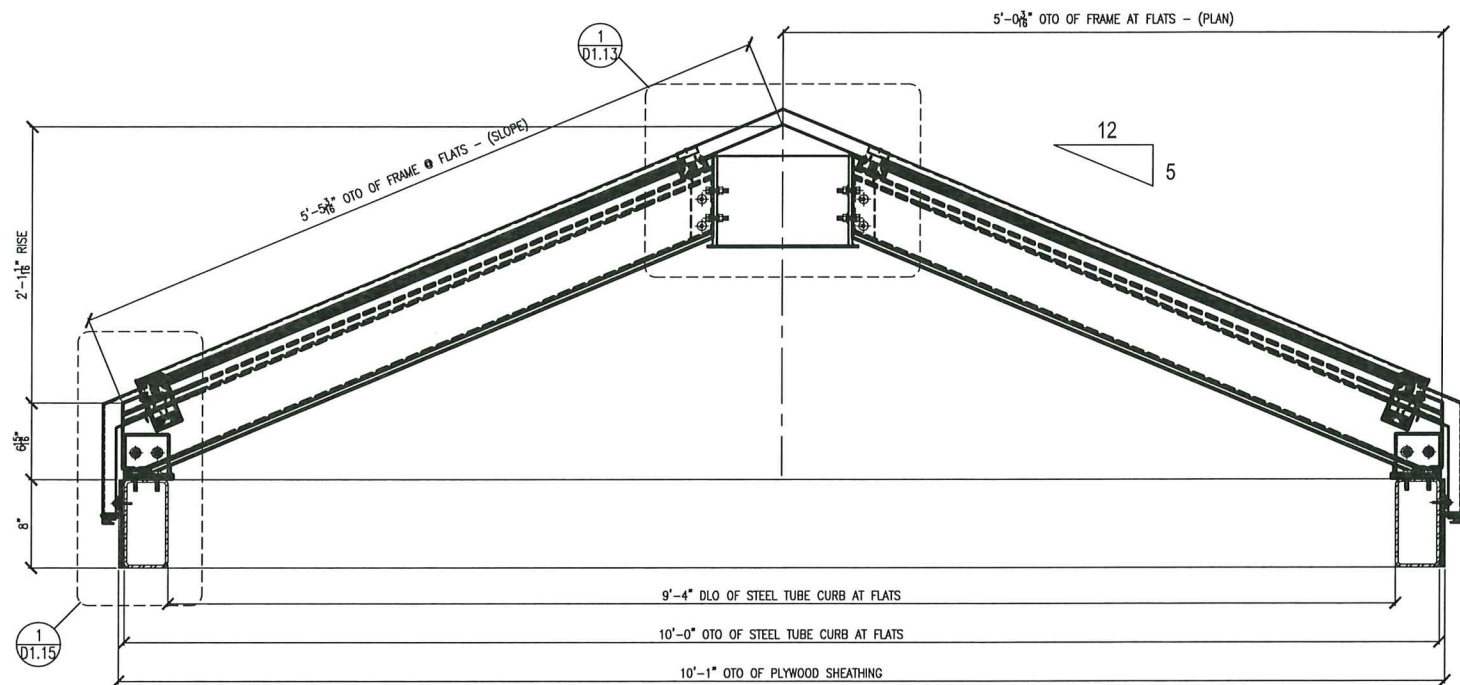
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PAGE: S1.02
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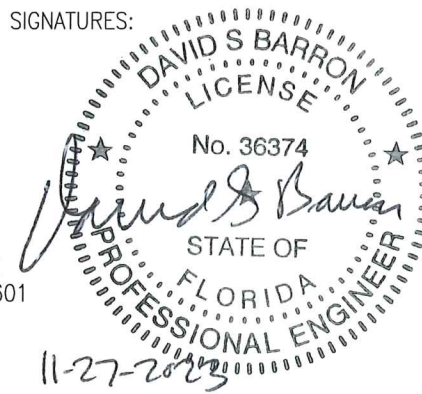


1 01.03 SPECIMEN #2 - POLYGON SECTION
SCALE: 1-1/2"=1'-0"

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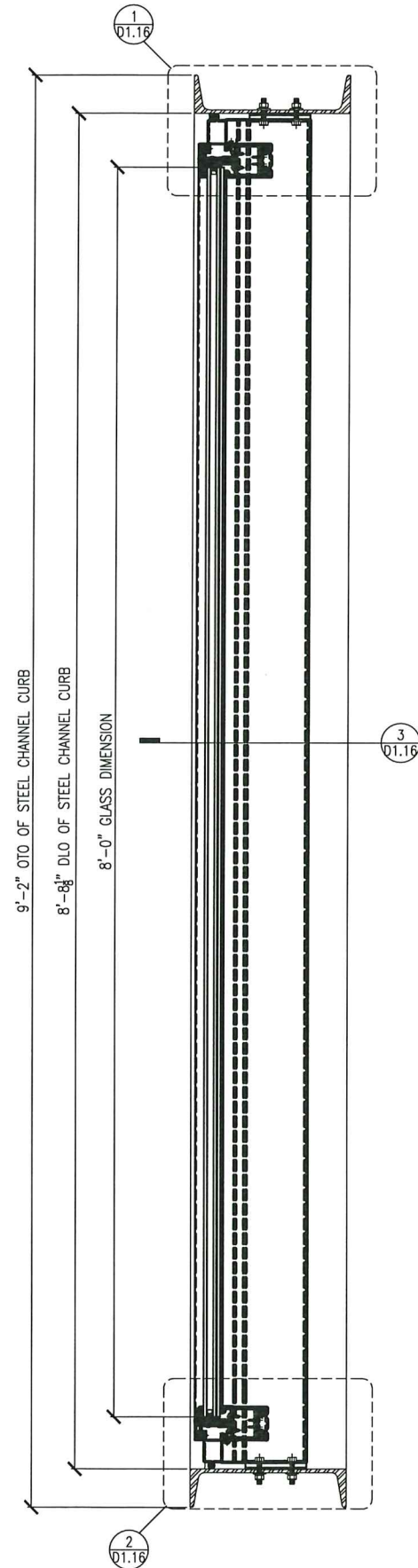
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PAGE NUMBER: 13 OF 32

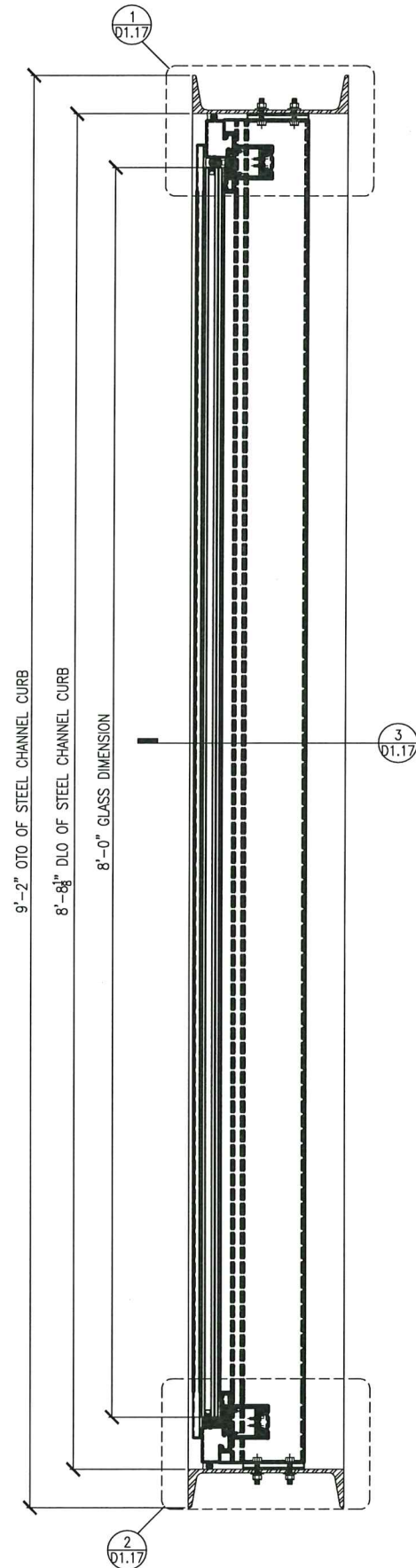
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1
S1.04

SPECIMEN #5 TYPICAL SECTION VIEW

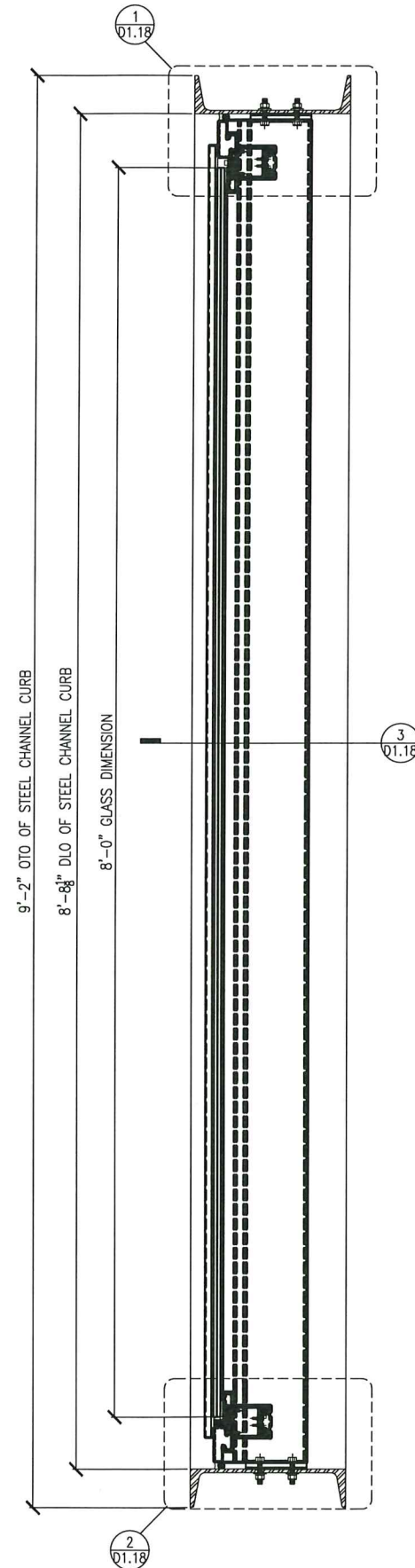
SCALE: 2"=1'-0"



2
S1.04

SPECIMEN #5 SECTION VIEW

SCALE: 2"=1'-0"



3
S1.04

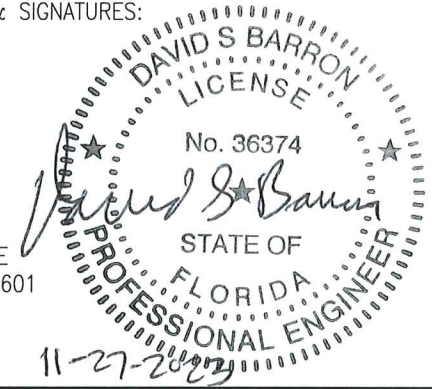
SPECIMEN #6 TYPICAL SECTION VIEW

SCALE: 2"=1'-0"

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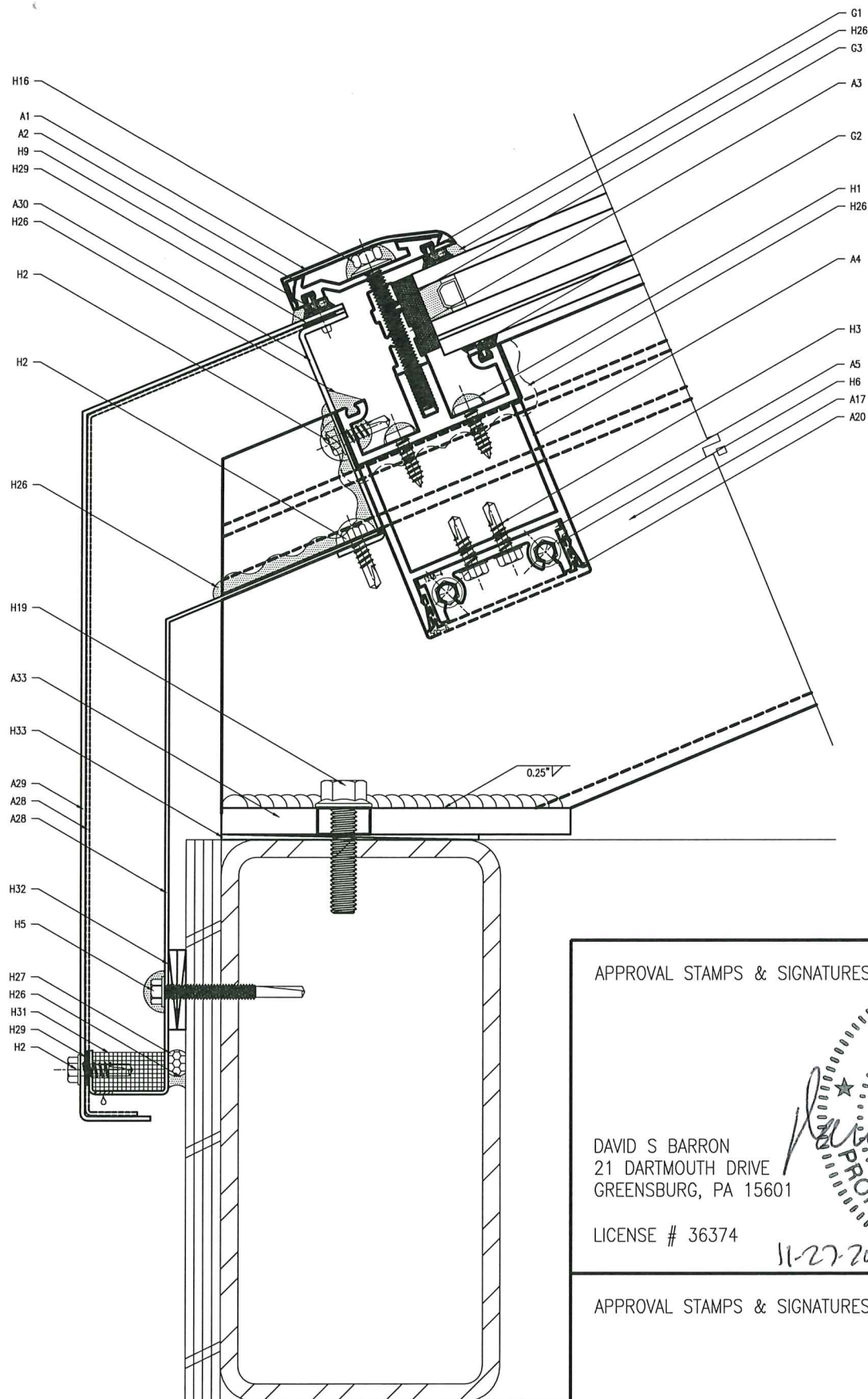
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SPECIMENS #5 & #6
SECTIONS

PAGE:
S1.04

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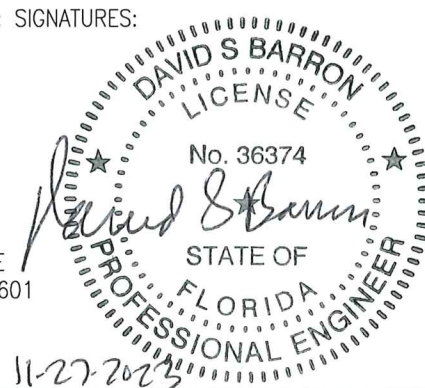


1 SILL HORIZONTAL WITH COMPRESSION STRIP
D1.01 SCALE: 1:1

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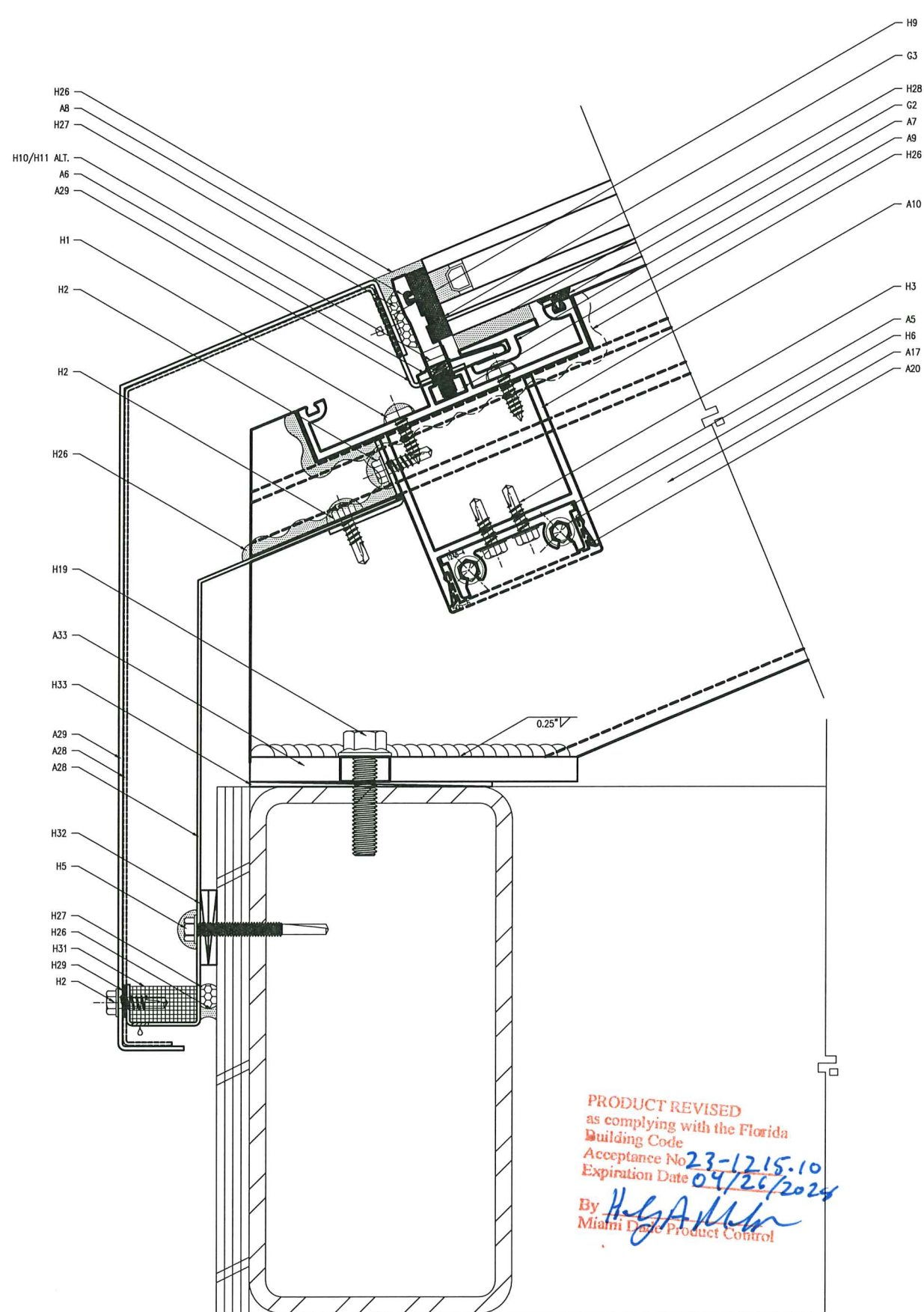
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2 SILL HORIZONTAL WITH STRUCTURAL SEALANT
D1.01 SCALE: 1:1

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PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
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DATE:
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- A1 SP-45 EXTRUDED ALUMINUM SNAP
PIECE FOR CAPTURED HORIZONTAL
A2 CS-37 EXTRUDED ALUMINUM
COMPRESSION STRIP FOR CAPTURED
HORIZONTAL
A3 M-125 EXTRUDED ALUMINUM SETTING
BLOCK CHAIR, 4" LENGTH, AT
QUARTER POINTS
A4 H-65 EXTRUDED ALUMINUM
HORIZONTAL FOR CAPTURED JOINT
A5 1246-4 EXTRUDED ALUMINUM SHEAR
BLOCK
A6 MODIFIED RC-5 EXTRUDED ALUMINUM
RETENTION CLIP AT 6" ON CENTER
A7 GC-3 EXTRUDED ALUMINUM GLAZING
CHANNEL
A8 M-126 EXTRUDED ALUMINUM SETTING
BLOCK CHAIR, 3" LENGTH, AT
QUARTER POINTS
A9 1/4" X 1/2" ALUMINUM BAR INSERT
TAPPED FOR 1/4"-20 FASTENER
A10 H-66 EXTRUDED ALUMINUM
HORIZONTAL FOR STRUCTURALLY
GLAZED JOINT
A17 SR-40 EXTRUDED ALUMINUM RAFTER
FOR CAPTURED JOINT
A20 S05-6 EXTRUDED ALUMINUM INTERIOR
SNAP PIECE (NOT USED FOR
TESTING)
A28 0.0650" ALUMINUM
A29 0.0633" ALUMINUM
A30 0.0807" ALUMINUM
A33 3/4" WELDED BASE PLATE WITH 3/4"
HORIZONTAL SLOT AT FASTENERS

- G1 N-28S SILICONE GASKET
G2 N-18S SILICONE GASKET
G3 N-34S SILICONE SETTING BLOCK

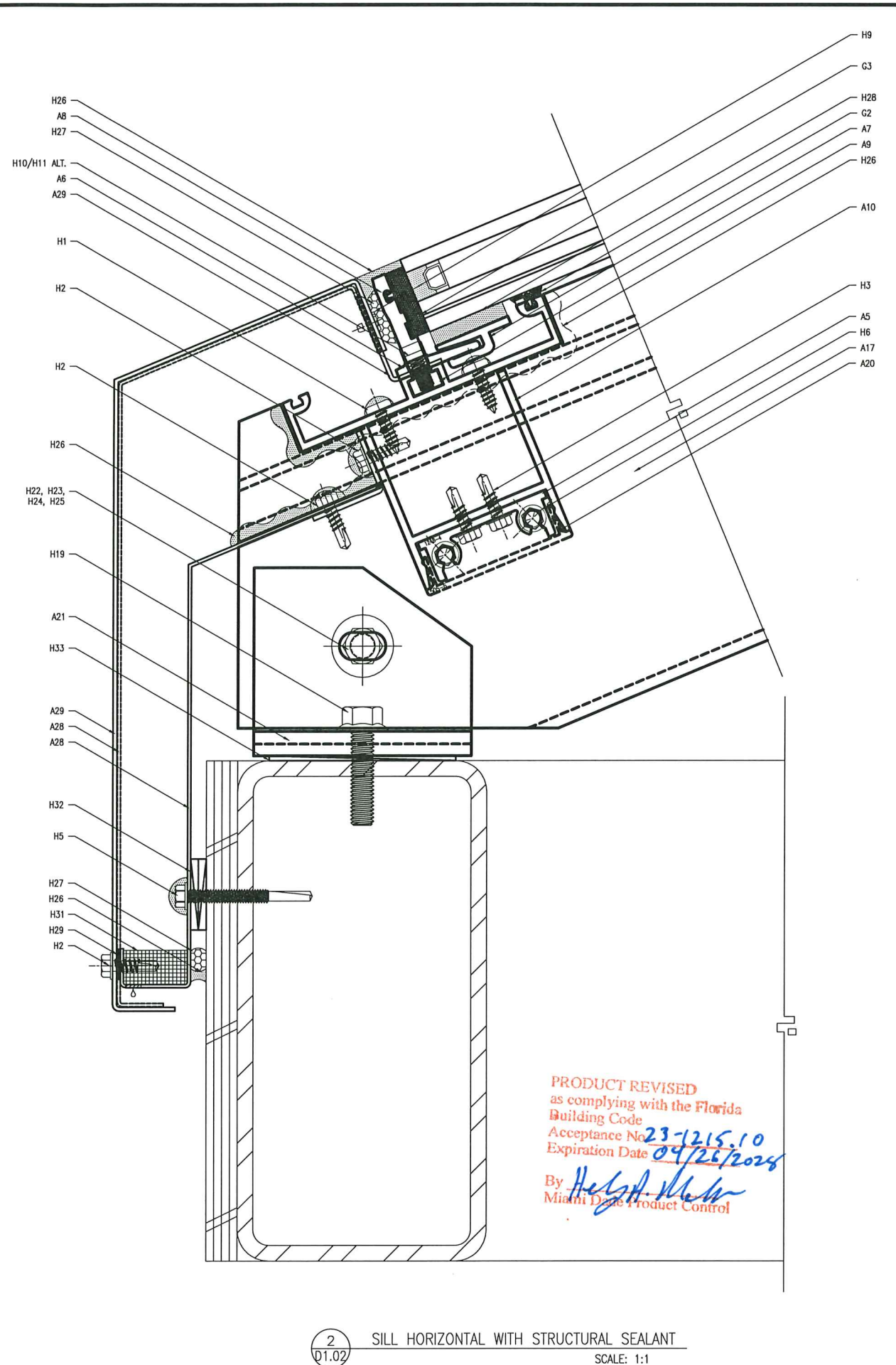
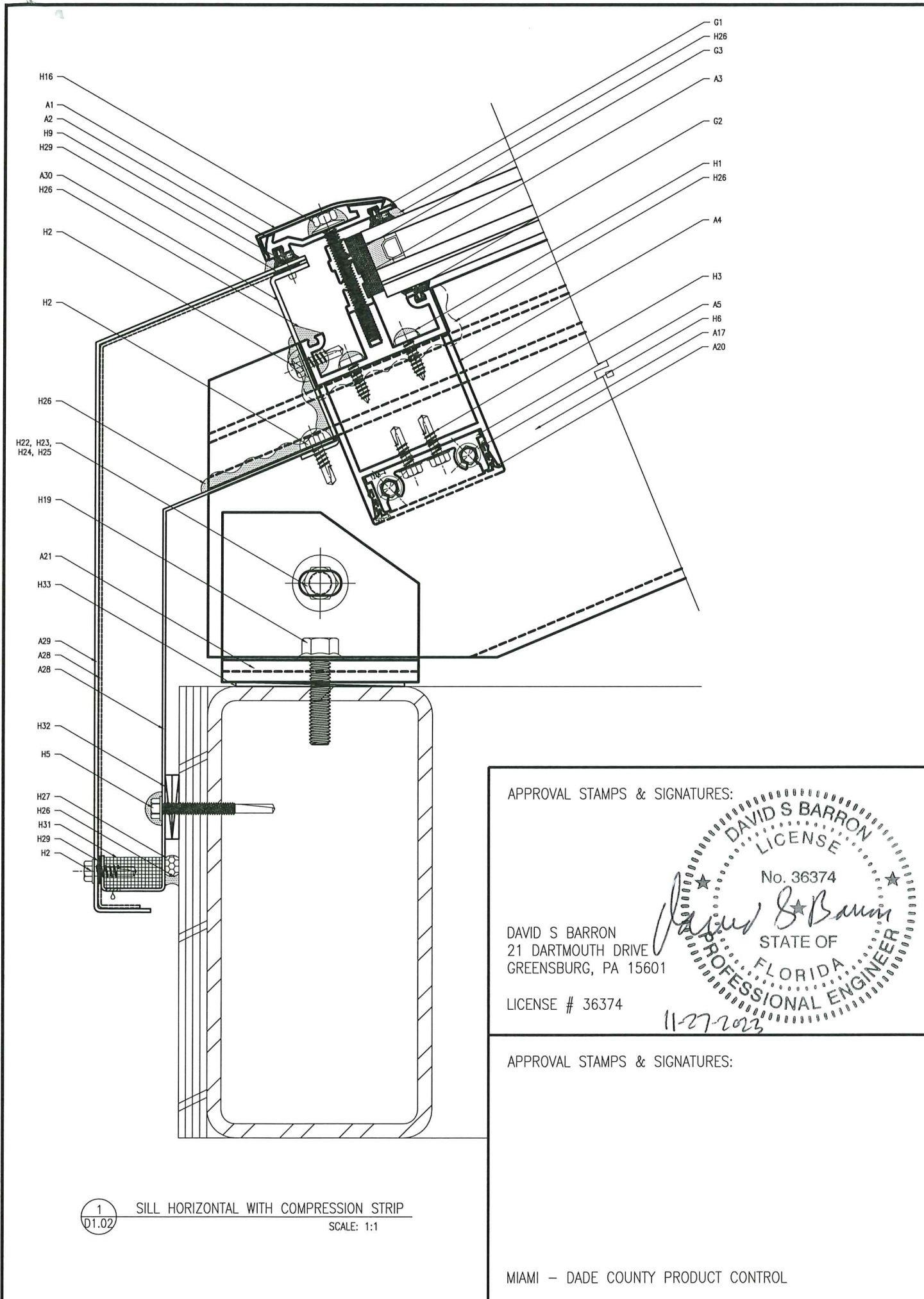
- H1 #12 X 3/4" TYPE 316 STAINLESS
STEEL PHILLIPS PAN HEAD TYPE AB
H2 #12 X 3/4" TYPE 18-8 STAINLESS
STEEL HEX WASHER HEAD TEK #3
SPACED AT 8" ON CENTER FOR
EXTERIOR FLASHING, 12"-16" ON
CENTER FOR INTERIOR FLASHING
H3 #12 X 3/4" ZINC-PLATED STEEL HEX
WASHER HEAD TEK #3
H5 #12-24 X 2" 18-8 STAINLESS
STEEL HEX WASHER HEAD TEK #5
SPACED AT 12" ON CENTER
H6 #14 X 1 1/2" ZINC-PLATED STEEL HEX
WASHER HEAD TYPE AB
H9 5/16" DIAMETER ALUMINUM POP RIVET
WITH 1/4" GRIP SPACED AS NEEDED
H10 1/4"-20 X 3/4" TYPE 316 STAINLESS
STEEL SOCKET HEAD FASTENER
SPACED AT 6" ON CENTER
H11 1/4"-20 X 1/2" TYPE 316 STAINLESS
STEEL SOCKET HEAD FASTENER ON
MODIFIED RC-5 SPACED AT 6" ON
CENTER
H16 1/4"-20 X 2 1/4" TYPE 316 STAINLESS
STEEL HEX HEAD MS & NEO WASHER
WITH DOW 795 SPACED AT 6" ON
CENTER
H19 3/8"-16 X 1 1/2" ZINC-PLATED GRADE
5 STEEL FLANGED HEX HEAD
(TAP WITH 3/8"-16 X 2 HEX WASHER
HEAD TYPE F)
H26 DOW 795 SILICONE SEALANT
H27 BACKER ROD
H28 DOW 983 TWO-PART STRUCTURAL
SILICONE 1/4" THICK, 1 1/2" WIDE
H29 NORTON TAPE
H31 WEEP BAFFLE
H32 PLASTIC SHIMS
H33 ALUMINUM SHIMS

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DETAILS

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D1.01

PAGE NUMBER:
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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

CALL-OUT NOTES

A1 SP-45 EXTRUDED ALUMINUM SNAP PIECE FOR CAPTURED HORIZONTAL

A2 CS-37 EXTRUDED ALUMINUM COMPRESSION STRIP FOR CAPTURED HORIZONTAL

A3 M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 4" LENGTH, AT QUARTER POINTS

A4 H-95 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT

A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK

A6 MODIFIED RC-5 EXTRUDED ALUMINUM RETENTION CLIP AT 6" ON CENTER

A7 GC-3 EXTRUDED ALUMINUM GLAZING CHANNEL

A8 M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 3" LENGTH, AT QUARTER POINTS

A9 1/4" X 1/4" ALUMINUM BAR INSERT TAPPED FOR 1/4-20 FASTENER

A10 H-66 EXTRUDED ALUMINUM HORIZONTAL FOR STRUCTURALLY GLAZED JOINT

A17 SR-40 EXTRUDED ALUMINUM RAFTER FOR CAPTURED JOINT

A20 S05-8 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)

A21 SC-8 EXTRUDED ALUMINUM SADDLE CLIP WITH 3/4" HORIZONTAL SLOT AT RAFTER CONNECTION

A28 0.050" ALUMINUM

A29 0.063" ALUMINUM

A30 0.080" ALUMINUM

G1 H-28S SILICONE GASKET

G2 H-18S SILICONE GASKET

G3 H-34S SILICONE SETTING BLOCK

H1 #12 X 3/4" TYPE 316 STAINLESS STEEL PHILLIPS PAN HEAD TYPE AB

H2 #12 X 3/4" TYPE 18-8 STAINLESS STEEL HEX WASHER HEAD TEK #3 SPACED AT 8" ON CENTER FOR EXTERIOR FLASHING, 12"-16" ON CENTER FOR INTERIOR FLASHING

H3 #12 X 3/4" ZINC-PLATED STEEL HEX WASHER HEAD TEK #3

H5 #12-24 X 2" 18-8 STAINLESS STEEL HEX WASHER HEAD TEK #5 SPACED AT 12" ON CENTER

H6 #14 X 1 1/2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB

H9 3/8" DIAMETER ALUMINUM POP RIVET WITH 1/2" GRIP SPACED AS NEEDED

H10 1/2-20 X 3/4" TYPE 316 STAINLESS STEEL SOCKET HEAD FASTENER SPACED AT 6" ON CENTER

H11 1/2-20 X 1/2" TYPE 316 STAINLESS STEEL SOCKET HEAD FASTENER ON MODIFIED RC-5 SPACED AT 6" ON CENTER

H16 1/2-20 X 2 1/2" TYPE 316 STAINLESS STEEL HEX HEAD MS & NED WASHER WITH DOW 795 SPACED AT 6" ON CENTER

H19 3/8-16 X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8-16 X 2 HEX WASHER HEAD TYPE 7)

H22 3/8-16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)

H23 3/4" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)

H24 3/4" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)

H25 3/8-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)

H26 DOW 795 SILICONE SEALANT

H27 BACKER ROD

H28 DOW 983 TWO-PART STRUCTURAL SILICONE 1/2" THICK, 1 1/4" WIDE

H29 NORTON TAPE

H31 WEEP BATTLE

H32 PLASTIC SHIMS

H33 ALUMINUM SHIMS

PAGE NAME: DETAILS
PAGE: D1.02
PAGE NUMBER: 16 OF 32

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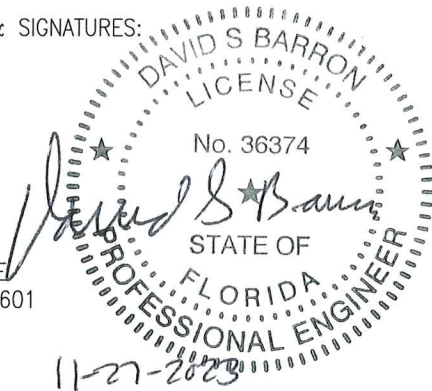
APPROVAL STAMPS & SIGNATURES:

MIAMI – DADE COUNTY PRODUCT CONTROL

APPROVAL STAMPS & SIGNATURES:

DAVID S BARRON
21 DARTMOUTH DRIVE
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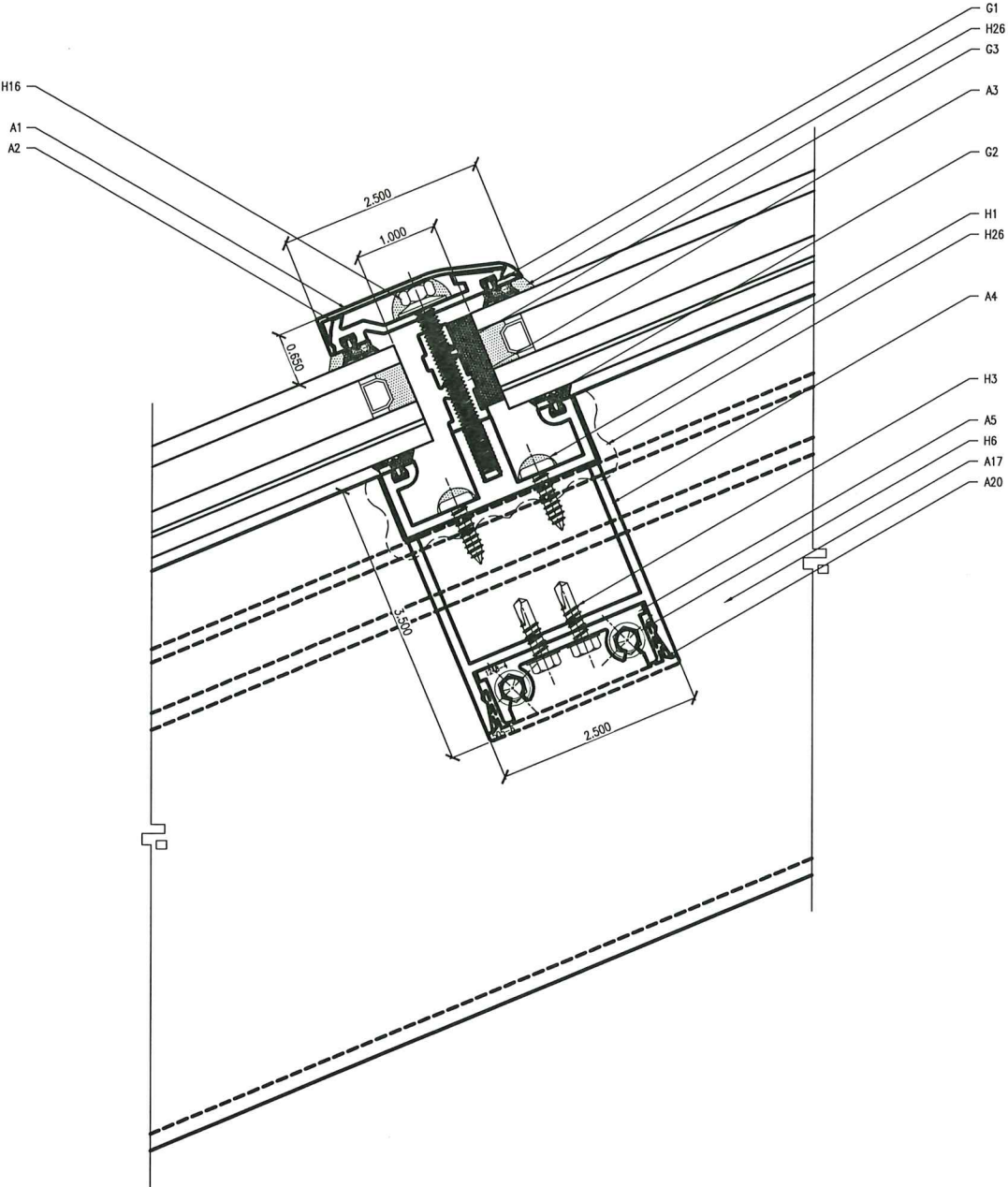
PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

CALL-OUT NOTES

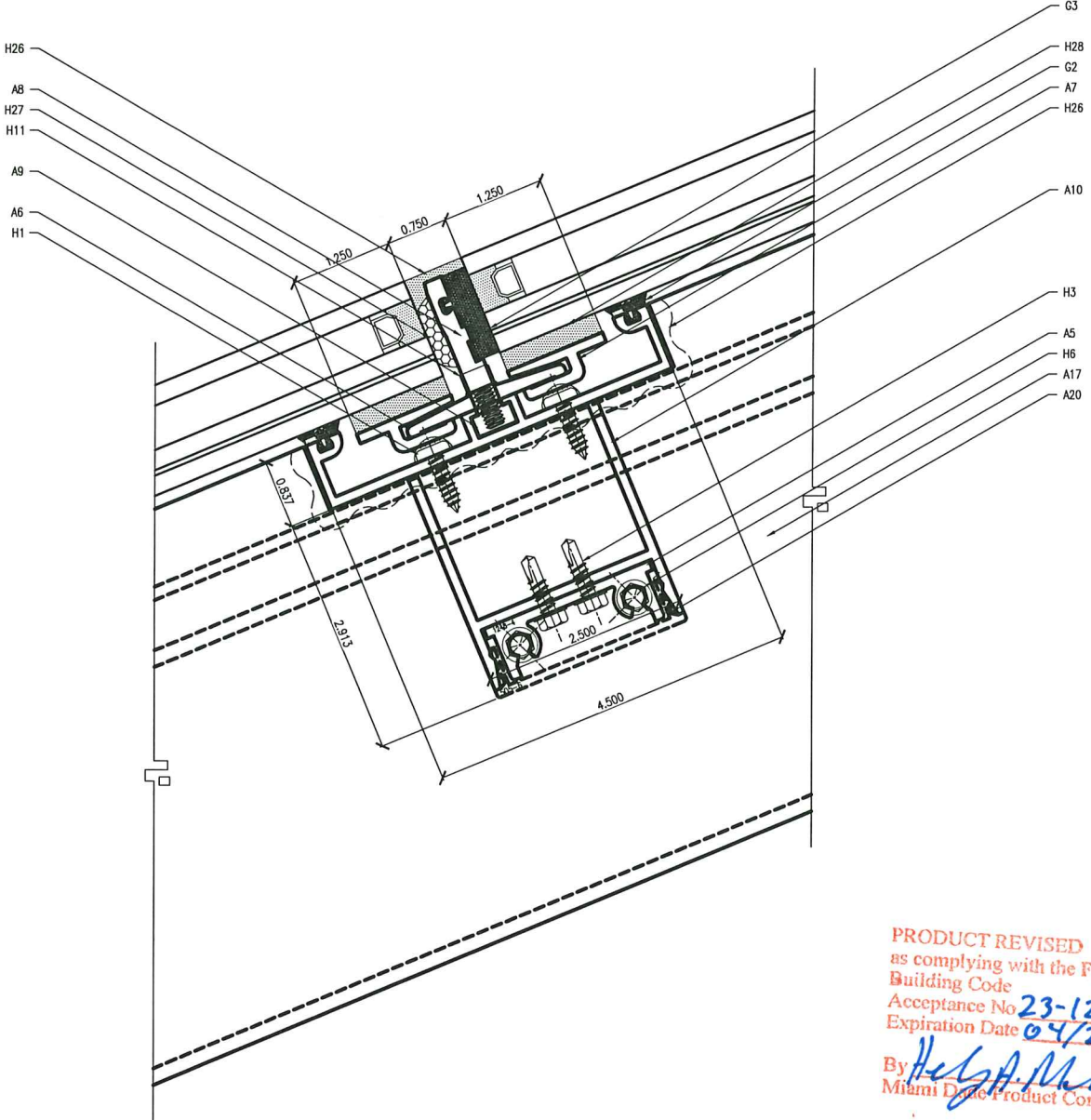
- A1 SP-45 EXTRUDED ALUMINUM SNAP
PIECE FOR CAPTURED HORIZONTAL
A2 CS-37 EXTRUDED ALUMINUM
COMPRESSION STRIP FOR CAPTURED
HORIZONTAL
A3 ME-125 EXTRUDED ALUMINUM SETTING
BLOCK CHAIR, 4" LENGTH, AT
QUARTER POINTS
A4 H-85 EXTRUDED ALUMINUM
HORIZONTAL FOR CAPTURED JOINT
A5 1248-4 EXTRUDED ALUMINUM SHEAR
BLOCK
A6 MODIFIED RC-5 EXTRUDED ALUMINUM
RETENTION CLIP AT 6" ON CENTER
A7 GC-3 EXTRUDED ALUMINUM GLAZING
CHANNEL
A8 ME-125 EXTRUDED ALUMINUM SETTING
BLOCK CHAIR, 3" LENGTH, AT
QUARTER POINTS
A9 1/4" X 1/4" ALUMINUM BAR INSERT
TAPPED FOR 1/4-20 FASTENER
A10 H-66 EXTRUDED ALUMINUM
HORIZONTAL FOR STRUCTURALLY
GLAZED JOINT
A17 SR-40 EXTRUDED ALUMINUM RAFTER
FOR CAPTURED JOINT
A20 S05-6 EXTRUDED ALUMINUM INTERIOR
SNAP PIECE (NOT USED FOR
TESTING)
- G1 N-28S SILICONE GASKET
G2 N-18S SILICONE GASKET
G3 N-34S SILICONE SETTING BLOCK
- H1 #12 X 3/4" TYPE 316 STAINLESS
STEEL PHILLIPS PAN HEAD TYPE AB
H3 #12 X 1/4" ZINC-PLATED STEEL HEX
WASHER HEAD TEX #3
H6 #14 X 1 1/4" ZINC-PLATED STEEL HEX
WASHER HEAD TYPE AB
H11 1/4-20 X 1/4" TYPE 316 STAINLESS
STEEL SOCKET HEAD FASTENER ON
MODIFIED RC-5 SPACED AT 6" ON
CENTER
H16 1/4-20 X 2 1/4" TYPE 316 STAINLESS
STEEL HEX HEAD MS & NEO WASHER
WITH DOW 795 SPACED AT 6" ON
CENTER
H26 DOW 795 SILICONE SEALANT
H27 BACKER ROD
H28 DOW 983 TWO-PART STRUCTURAL
SILICONE 1/4" THICK, 1 1/4" WIDE

PAGE NAME: DETAILS
PAGE: D1.03
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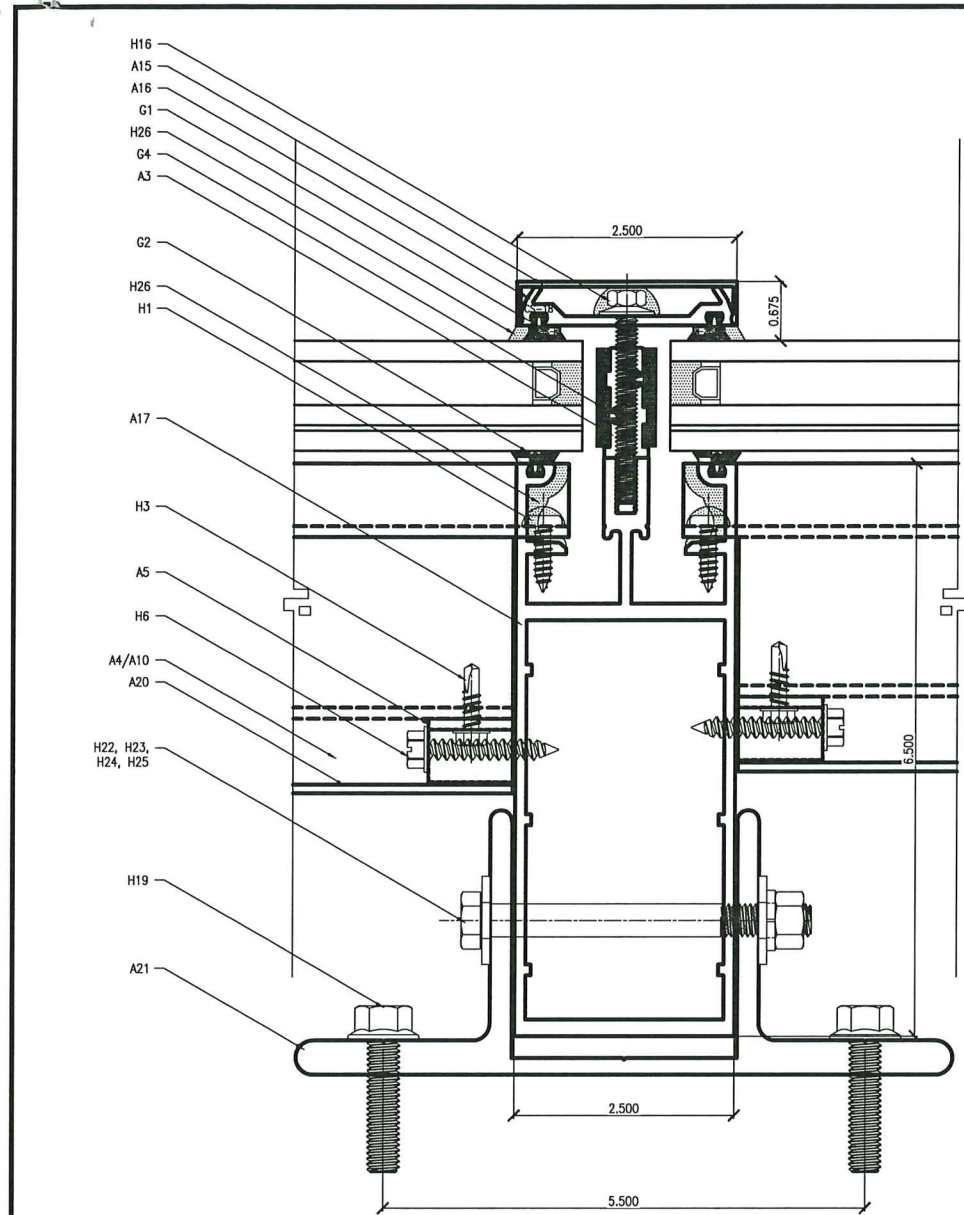


1 INTERMEDIATE HORIZONTAL WITH COMPRESSION STRIP
D1.03 SCALE: 1:1



2 INTERMEDIATE HORIZONTAL WITH STRUCTURAL SEALANT
D1.03 SCALE: 1:1

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By: *Heidi A. Miller*
Miami Dade Product Control



1 RAFTER WITH COMPRESSION STRIP
D1.04 SCALE: 1:1

1 / D1.04
SMALL MISSILE, INSULATING LAMINATED GLASS MAKEUP - DETAIL AS SHOWN
SMALL MISSILE, LAMINATED GLASS MAKEUP - DETAIL SIMILAR

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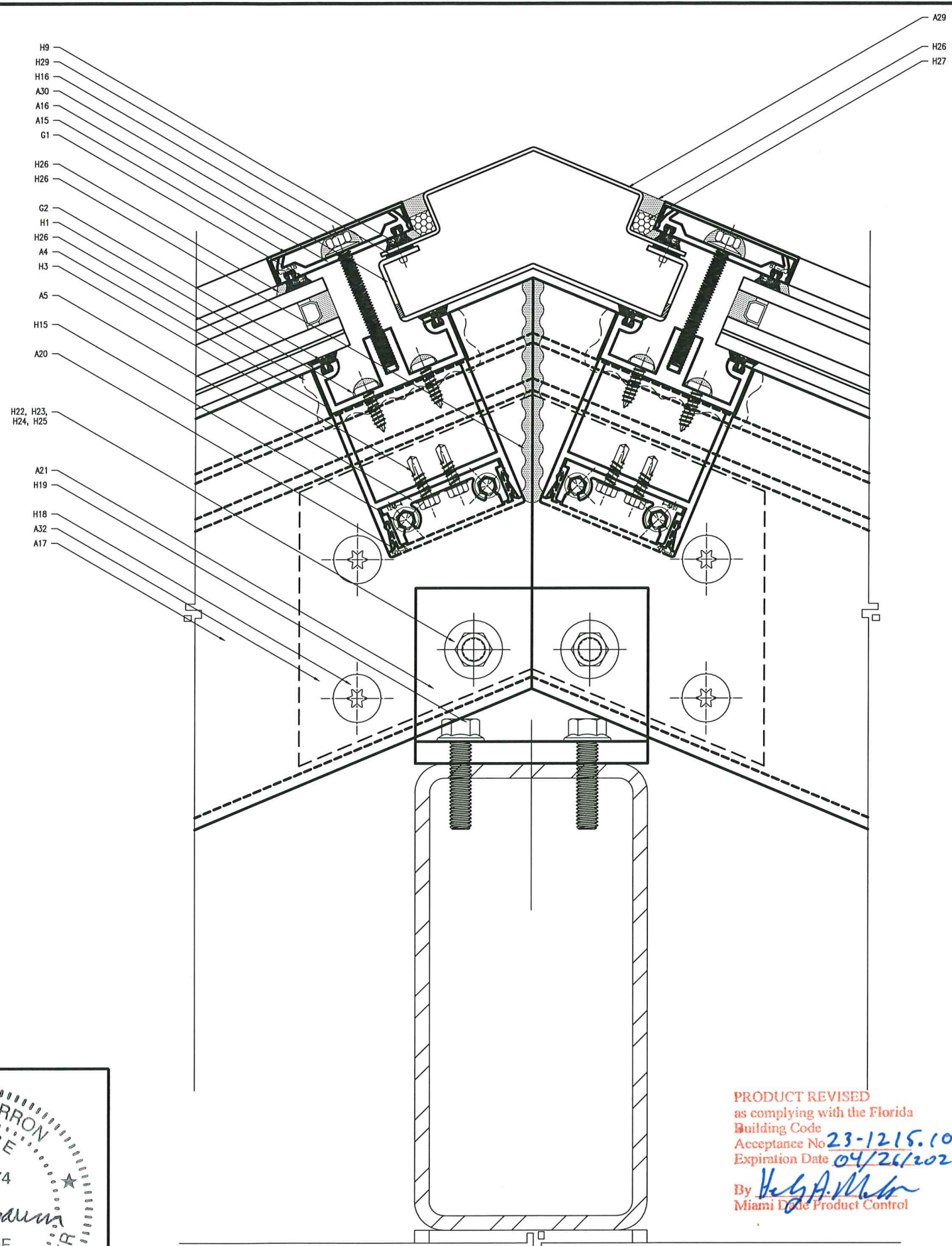
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STATE OF FLORIDA
PROFESSIONAL ENGINEER

11-27-2023



2 RIDGE WITH COMPRESSION STRIPS
D1.04 SCALE: 1:1

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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS

PROJECT MANAGER: JIM WILLIAMS

DRAWN BY: BRIAN MURPHY

DATE: 11.15.2023

CALL-OUT NOTES

A3 M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 4" LENGTH, AT UPPER QUARTER POINTS

A4 H-65 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT

A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK

A10 H-65 EXTRUDED ALUMINUM HORIZONTAL FOR STRUCTURALLY GLAZED JOINT

A15 SP-11 EXTRUDED ALUMINUM SNAP PIECE

A16 CS-18 EXTRUDED ALUMINUM COMPRESSION STRIP

A17 SR-40 EXTRUDED ALUMINUM RAFTER FOR CAPTURED JOINT

A20 505-6 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)

A21 SC-8 EXTRUDED ALUMINUM SADDLE CLIP WITH 3/4" HORIZONTAL SLOT AT RAFTER CONNECTION

A29 0.063" ALUMINUM

A30 0.080" ALUMINUM

A32 1/4" ALUMINUM SPLICE PLATE

G1 N-28S SILICONE GASKET

G2 N-18S SILICONE GASKET

G4 N-35S SILICONE SETTING BLOCK

H1 #12 X 3/4" TYPE 316 STAINLESS STEEL PHILLIPS PAN HEAD TYPE AB WITH DOW 795 SILICONE SEALANT

H3 #12 X 3/4" ZINC-PLATED STEEL HEX WASHER HEAD TEX #3

H6 #14 X 1 1/2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB

H9 3/16" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED

H15 X-20 X 2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE F

H16 3/4-20 X 2 1/2" TYPE 316 STAINLESS STEEL HEX HEAD MS & NEO WASHER WITH DOW 795 SPACED AT 6" ON CENTER

H18 3/4-16 X 1" ZINC-PLATED STEEL T-40 TORX HEAD (GRADE 5 OR BETTER)

H19 3/4-18 X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8-16 X 2 HEX WASHER HEAD TYPE F)

H22 3/4-16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)

H23 3/4" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)

H24 3/4" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)

H25 3/4-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)

H28 DOW 795 SILICONE SEALANT

H27 BACKER ROD

H29 NORTON TAPE

PAGE NAME: DETAILS

PAGE: D1.04 PAGE NUMBER: 18 OF 32

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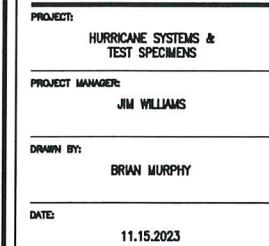
STATE OF FLORIDA

PROFESSIONAL ENGINEER

David S. Barron

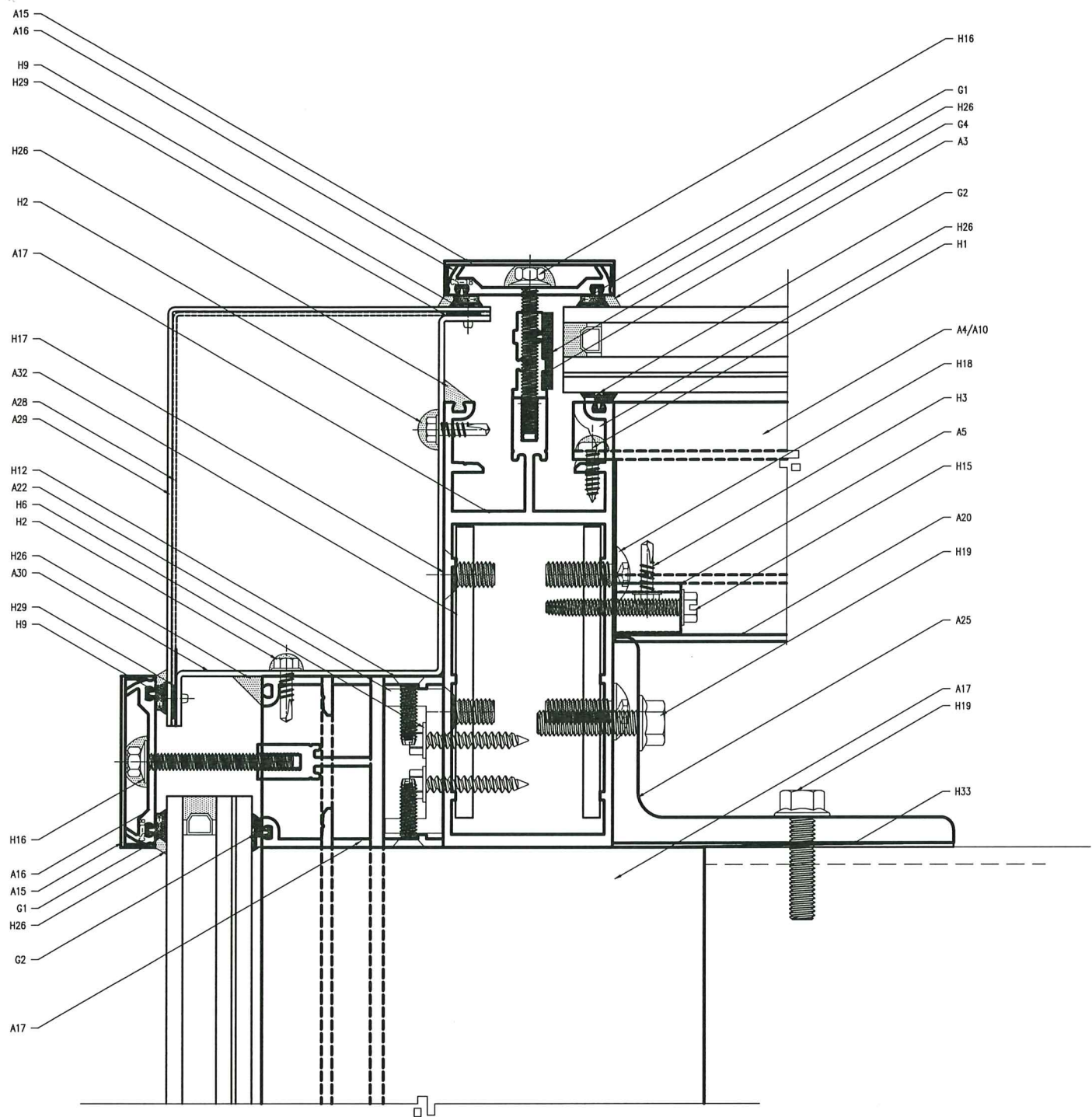
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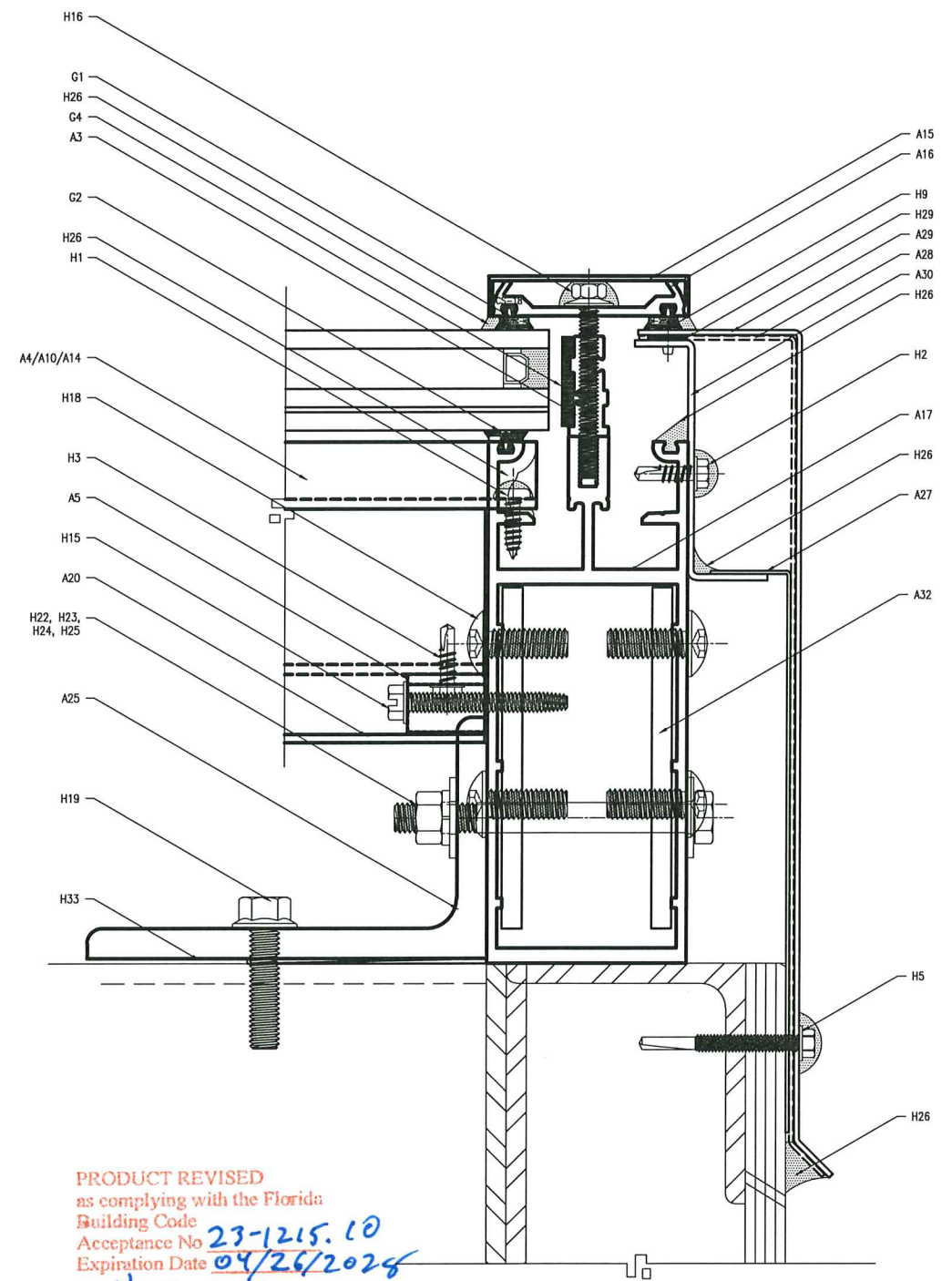


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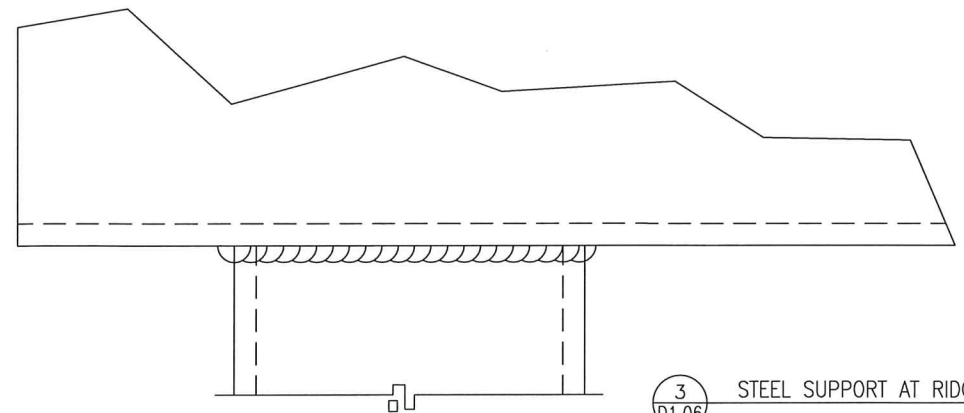


1 RAFTER @ GABLE END
D1.06 SCALE: 1:1



2 RAFTER @ PLYWOOD END
D1.06 SCALE: 1:1

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Miami Dade Product Control



3 STEEL SUPPORT AT RIDGE TUBE
D1.06 SCALE: 1:1

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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

- CALL-OUT NOTES
- A3 M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 4" LENGTH, AT UPPER QUARTER POINTS
 - A4 H-85 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
 - A5 1238-4 EXTRUDED ALUMINUM SHEAR BLOCK
 - A10 H-88 EXTRUDED ALUMINUM HORIZONTAL FOR STRUCTURALLY GLAZED JOINT
 - A14 H-88 EXTRUDED ALUMINUM RIDGE HORIZONTAL FOR STRUCTURALLY GLAZED JOINT
 - A15 SP-12 EXTRUDED ALUMINUM SNAP PIECE
 - A16 CS-17 EXTRUDED ALUMINUM COMPRESSION STRIP
 - A17 SR-40 EXTRUDED ALUMINUM RAFTER FOR CAPTURED JOINT
 - A20 505-6 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
 - A22 M-100 EXTRUDED ALUMINUM CHANNEL
 - A25 3" X 5" X 3/8" 6061-T6 EXTRUDED ALUMINUM STRUCTURAL ANGLE WITH 4" LENGTH
 - A27 0.040" ALUMINUM
 - A28 0.050" ALUMINUM
 - A29 0.063" ALUMINUM
 - A30 0.080" ALUMINUM
 - A32 1/4" ALUMINUM SPLICE PLATE

- G1 N-28S SILICONE GASKET
- G2 N-17S SILICONE GASKET
- G4 N-35S SILICONE SETTING BLOCK
- H1 #12 X 3/4" TYPE 316 STAINLESS STEEL PHILLIPS PAN HEAD TYPE AB WITH DOW 795 SILICONE SEALANT
- H2 #12 X 3/4" 18-8 STAINLESS STEEL HEX WASHER HEAD TEX #3 WITH DOW 795 SILICONE SEALANT, SPACED AT 12"-16" ON CENTER
- H3 #12 X 3/4" ZINC-PLATED STEEL HEX WASHER HEAD TEX #3
- H5 #12-24 X 2" 17-8 STAINLESS STEEL HEX WASHER HEAD TEX #5 SPACED AT 12" ON CENTER WITH DOW 795 SILICONE SEALANT
- H6 #14 X 1 1/2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB
- H9 3/8" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED
- H12 1/4-20 X 1" ZINC-PLATED STEEL PHILLIPS FLAT HEAD MACHINE SCREW TYPE F
- H15 1/4-20 X 2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE F
- H16 1/4-20 X 2 1/4" TYPE 316 STAINLESS STEEL HEX HEAD MS & NED WASHER WITH DOW 795 SILICONE SEALANT SPACED AT 6" ON CENTER
- H17 3/8-16 X 3/4" ZINC-PLATED STEEL PHILLIPS FLAT HEAD UNDERCUT MACHINE SCREW
- H18 3/8-16 X 1" ZINC-PLATED STEEL T-40 TORX HEAD SCREW
- H19 3/8-16 X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD, (2) PER EACH LEG OF THE EXTRUDED ALUMINUM ANGLE (TAP WITH 3/8-16 X 2 HEX WASHER HEAD TYPE F)
- H22 3/8-16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)
- H23 3/8" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
- H24 3/8" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
- H25 3/8-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
- H26 DOW 795 SILICONE SEALANT
- H29 NORTON TAPE
- H33 ALUMINUM SHIMS

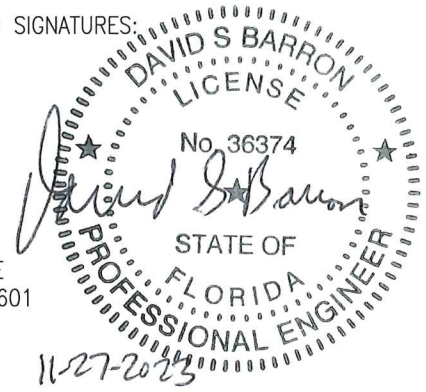
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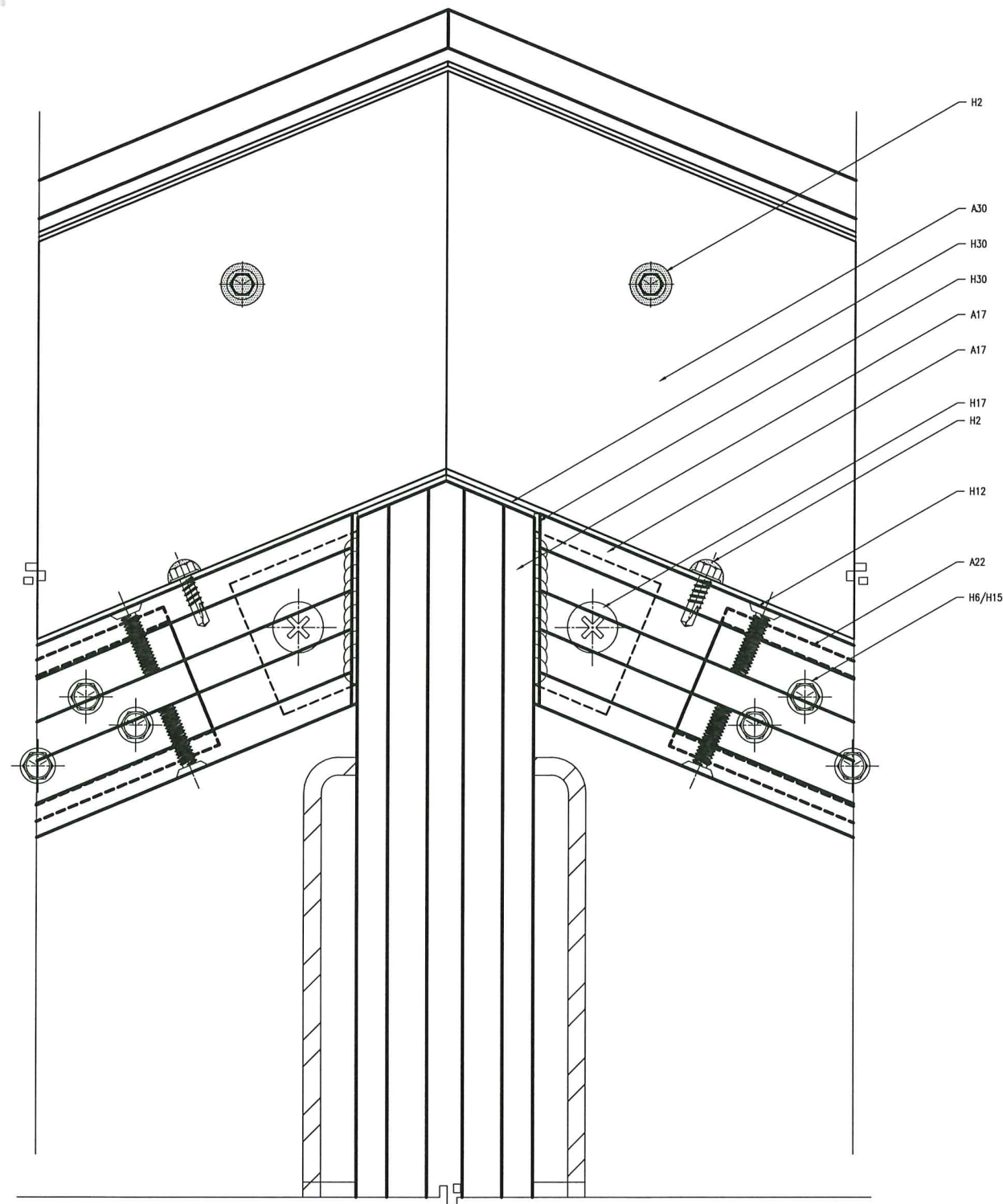
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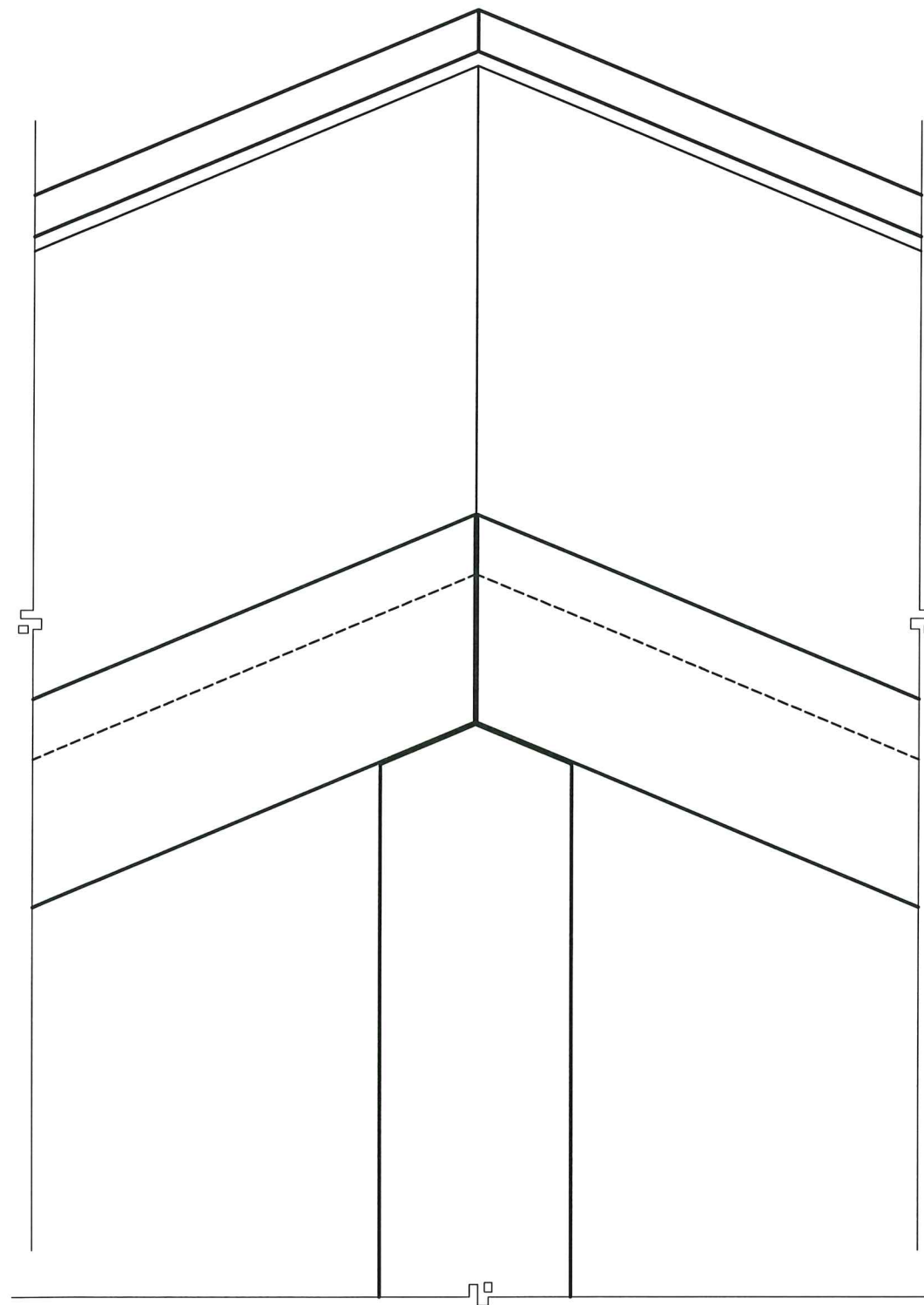
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1 RAFTER EXTRUSIONS AT GABLE END
D1.07 SCALE: 1:1



2 SNAP PIECE EXTRUSIONS AT GABLE END
D1.07 SCALE: 1:1

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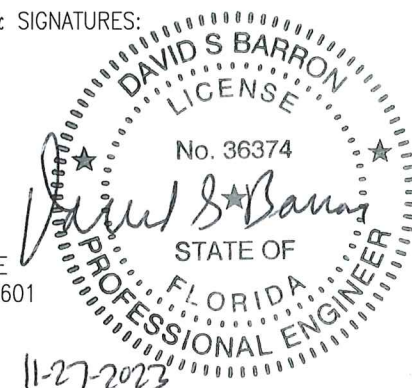
PRODUCT REVISED
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Building Code
Acceptance No. 23-1215-10
Expiration Date 04/26/2028
By *Heidi A. Miller*
Miami Dade Product Control

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PROJECT:

HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:

JIM WILLIAMS

DRAWN BY:

BRIAN MURPHY

DATE:

11.15.2023

CALL-OUT NOTES

- A17 SR-40 EXTRUDED ALUMINUM RAFTER FOR CAPTURED JOINT
- A22 ME-100 EXTRUDED ALUMINUM CHANNEL
- A30 0.080" ALUMINUM
- H2 #12 X 3/4" 18-8 STAINLESS STEEL HEX WASHER HEAD TEK #3 WITH DOW 795 SILICONE SEALANT, SPACED AT 12"-16" ON CENTER
- H6 #14 X 1 1/2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB TYPICAL
- H12 3/4-20 X 1" ZINC-PLATED STEEL PHILLIPS FLAT HEAD MACHINE SCREW TYPE F
- H15 3/4-20 X 2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE F IF AT SPLICE PLATE
- H17 3/4-18 X 3/4" ZINC-PLATED STEEL PHILLIPS FLAT HEAD UNDERCUT MACHINE SCREW
- H30 SEALING TAPE

PAGE NAME:

DETAILS

PAGE:

D1.07

PAGE NUMBER:

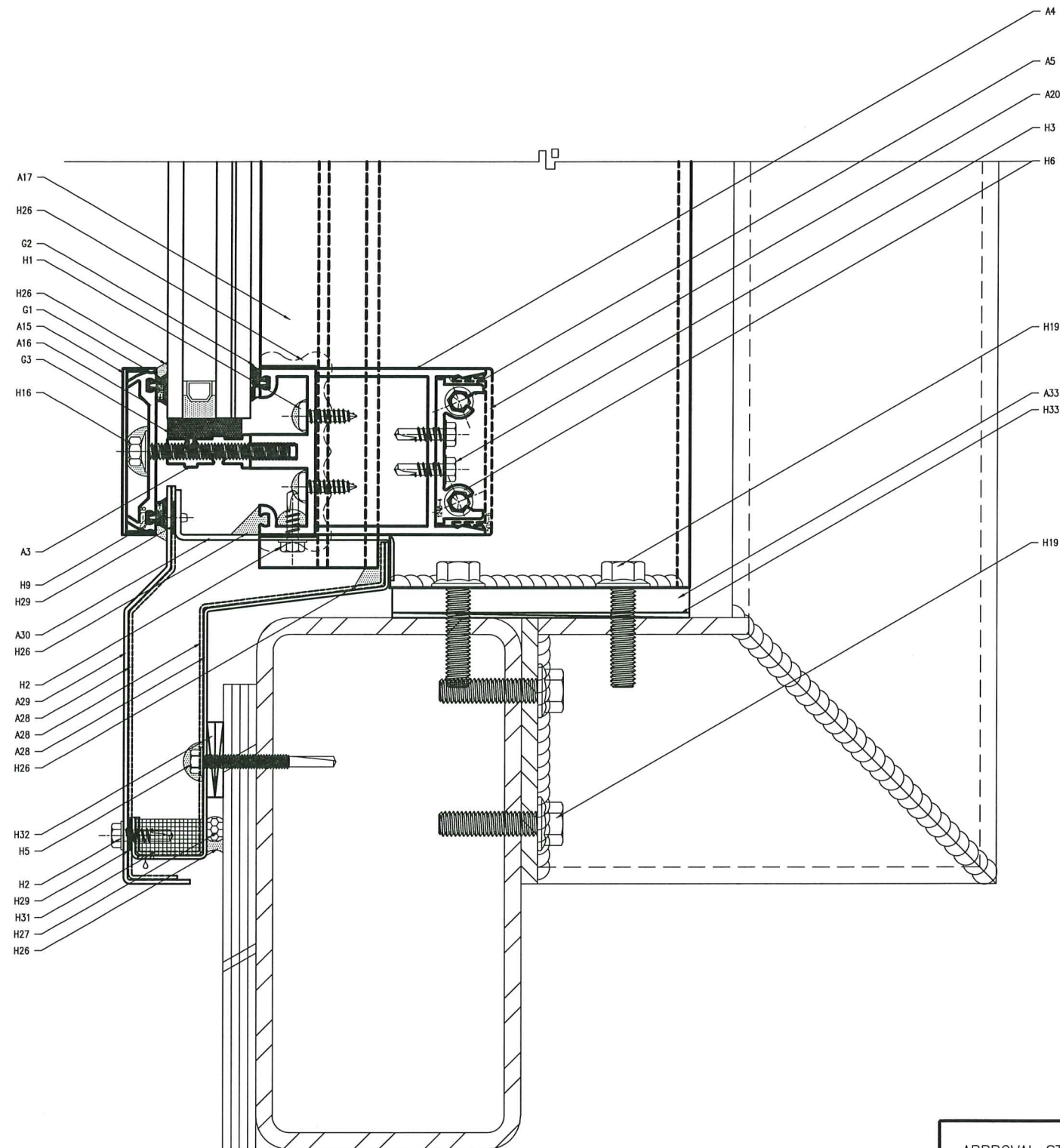
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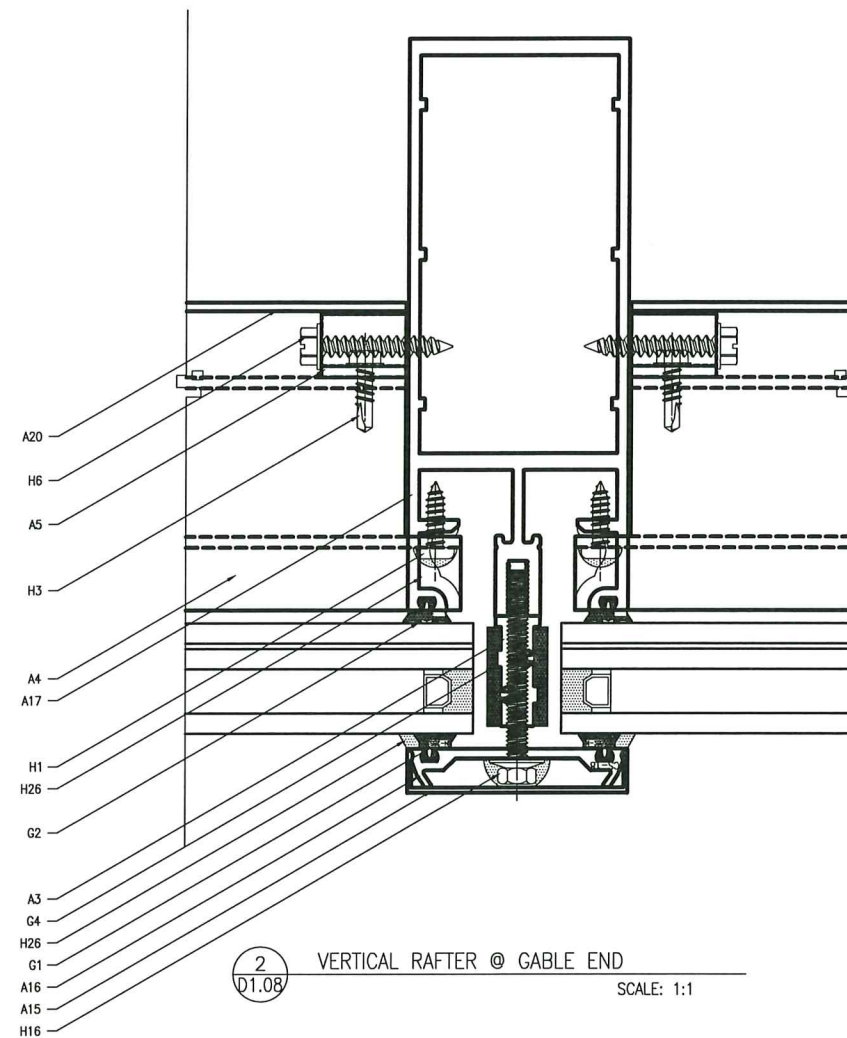


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DATE: 11.15.2023

- CALL-OUT NOTES
- A3 M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 4" LENGTH, AT QUARTER POINTS ON HORIZONTAL, AT UPPER QUARTER POINTS ON VERTICAL
 - A4 H-65 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
 - A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK
 - A15 SP-11 EXTRUDED ALUMINUM SNAP PIECE
 - A16 CS-18 EXTRUDED ALUMINUM COMPRESSION STRIP
 - A17 SR-40 EXTRUDED ALUMINUM RAFTER
 - A20 505-8 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
 - A28 0.050" ALUMINUM
 - A29 0.063" ALUMINUM
 - A30 0.080" ALUMINUM INTERIOR FLASHING
 - A33 3/4" ALUMINUM WELDED BASE PLATE
 - G1 N-28S SILICONE GASKET
 - G2 N-18S SILICONE GASKET
 - G3 N-34S SILICONE SETTING BLOCK
 - G4 N-35S SILICONE SETTING BLOCK
 - H1 #12 X 3/4" TYPE 316 STAINLESS STEEL PHILLIPS PAN HEAD TYPE AB WITH DOW 795 SILICONE SEALANT
 - H2 #12 X 3/4" TYPE 18-8 STAINLESS STEEL HEX WASHER HEAD TEX #3 SPACED AT 8" ON CENTER FOR EXTERIOR FLASHING, 12"-16" ON CENTER FOR INTERIOR FLASHING, WITH DOW 795 SILICONE SEALANT WHERE SHOWN
 - H3 #12 X 3/4" ZINC-PLATED STEEL HEX WASHER HEAD TEX #3
 - H5 #12-24 X 2" 18-8 STAINLESS STEEL HEX WASHER HEAD TEX #5 SPACED AT 12" ON CENTER WITH DOW 795 SILICONE SEALANT
 - H6 #14 X 1 1/2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB
 - H9 3/8" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED
 - H16 1/2"-20 X 2 1/4" TYPE 316 STAINLESS STEEL HEX HEAD MS & NED WASHER WITH DOW 795 SILICONE SEALANT SPACED AT 6" ON CENTER
 - H19 3/8"-16 X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8"-16 X 2 HEX WASHER HEAD TYPE P)
 - H26 DOW 795 SILICONE SEALANT
 - H27 BACKER ROD
 - H29 NORTON TAPE
 - H31 WEEP BAFFLE
 - H32 PLASTIC SHIMS
 - H33 ALUMINUM SHIMS



1 SILL @ CABLE END
SCALE: 1:1



2 VERTICAL RAFTER @ CABLE END
SCALE: 1:1

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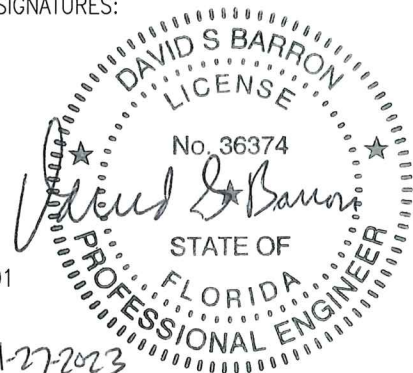
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Expiration Date 04/26/2028
By *Harry A. Barron*
Miami Dade Product Control

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APPROVAL STAMPS & SIGNATURES:

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21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

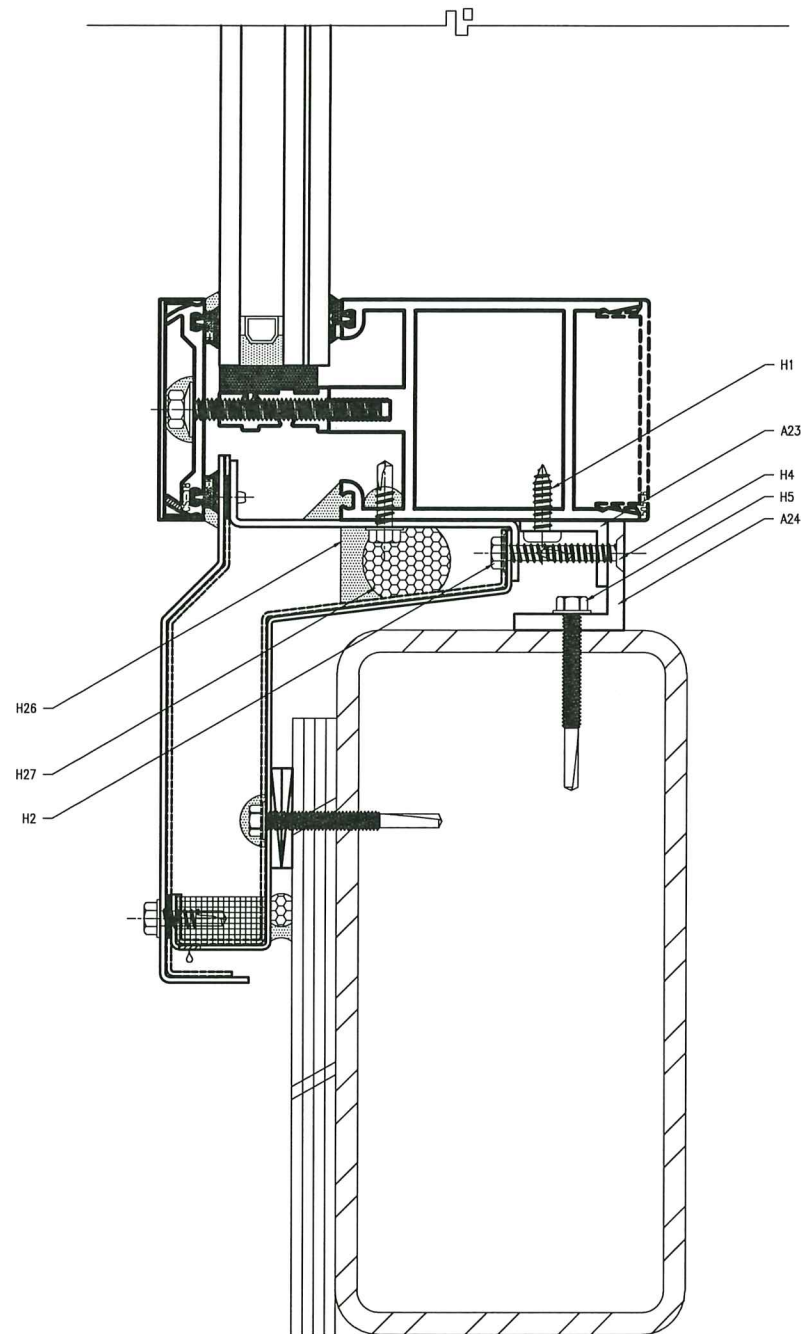
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1 SILL MEMBER MIDPOINT @ GABLE END
D1.09 SCALE: 1:1

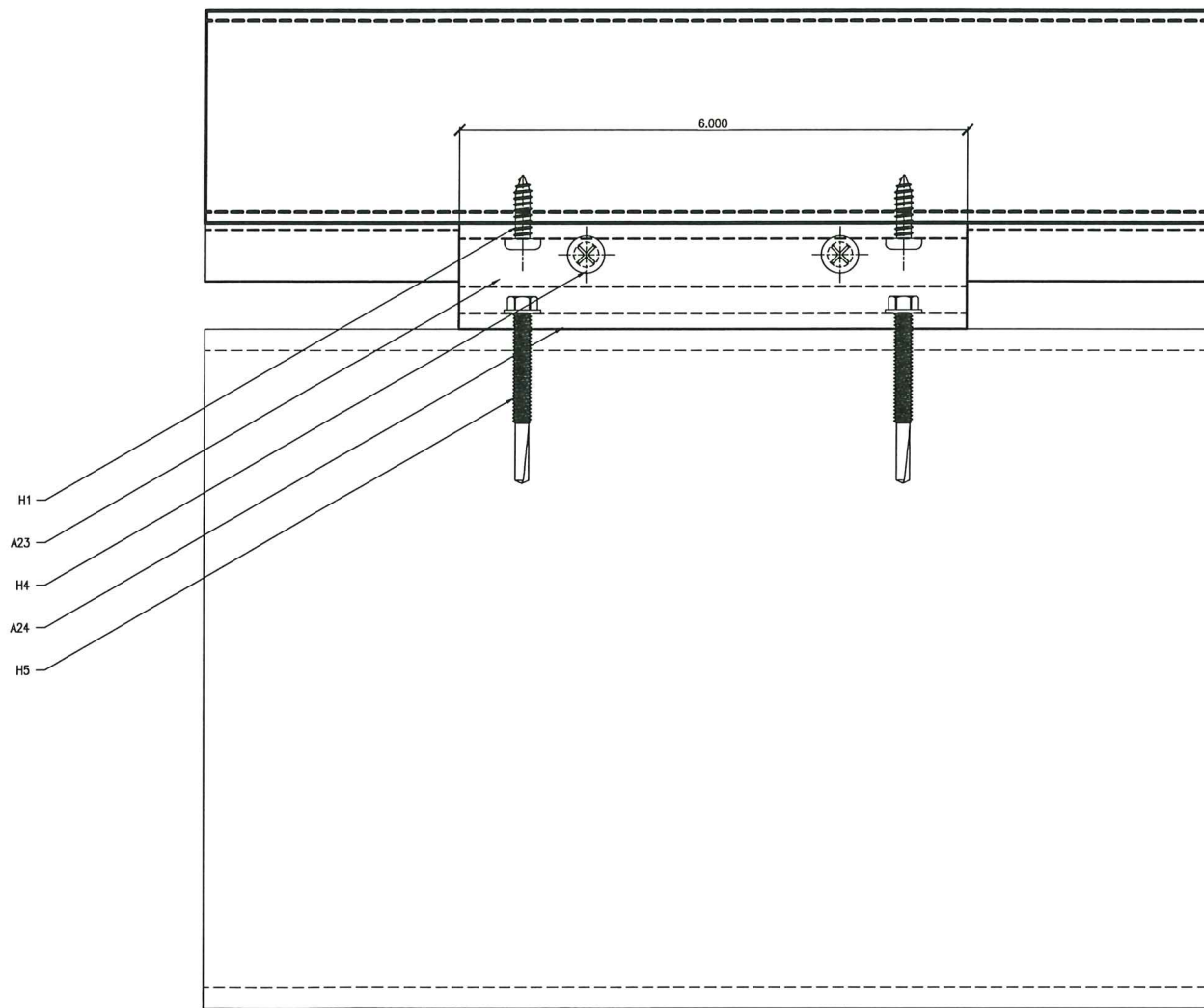
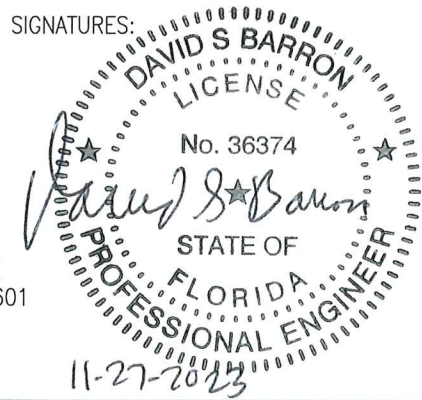
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2 SILL MEMBER MIDPOINT @ GABLE END, VIEW FROM INTERIOR
D1.09 SCALE: 1:1

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PROJECT:

HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:

JIM WILLIAMS

DRAWN BY:

BRIAN MURPHY

DATE:

11.15.2023

CALL-OUT NOTES

A23 1" X 3/4" X 1/8" 6063-T6 EXTRUDED
ALUMINUM ANGLE WITH 6" LENGTH
A24 1 1/4" X 1 1/4" X 3/16" 6063-T6
EXTRUDED ALUMINUM ANGLE WITH 6"
LENGTH

H1 #12 X 3/4" TYPE 316 STAINLESS

STEEL PHILLIPS PAN HEAD TYPE AB

H2 #12 X 3/4" TYPE 18-8 STAINLESS

STEEL HEX WASHER HEAD TEK #3,

SPACED AT 12"-16" ON CENTER

H4 #12 X 1" ZINC-COATED STEEL

PHILLIPS FLAT HEAD UNDERCUT TYPE

AB MACHINE SCREW

H5 #12-24 X 2" 18-8 STAINLESS

STEEL HEX WASHER HEAD TEK #5

SPACED AT 12" ON CENTER

H26 DOW 795 SILICONE SEALANT

H27 BACKER ROD

PAGE NAME:

DETAILS

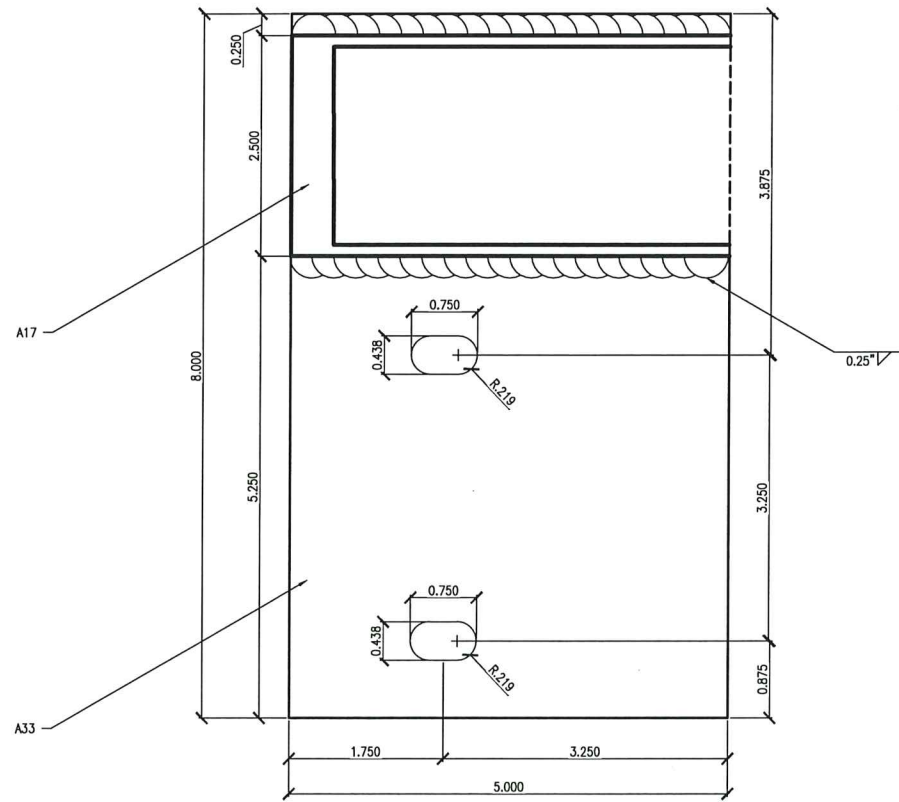
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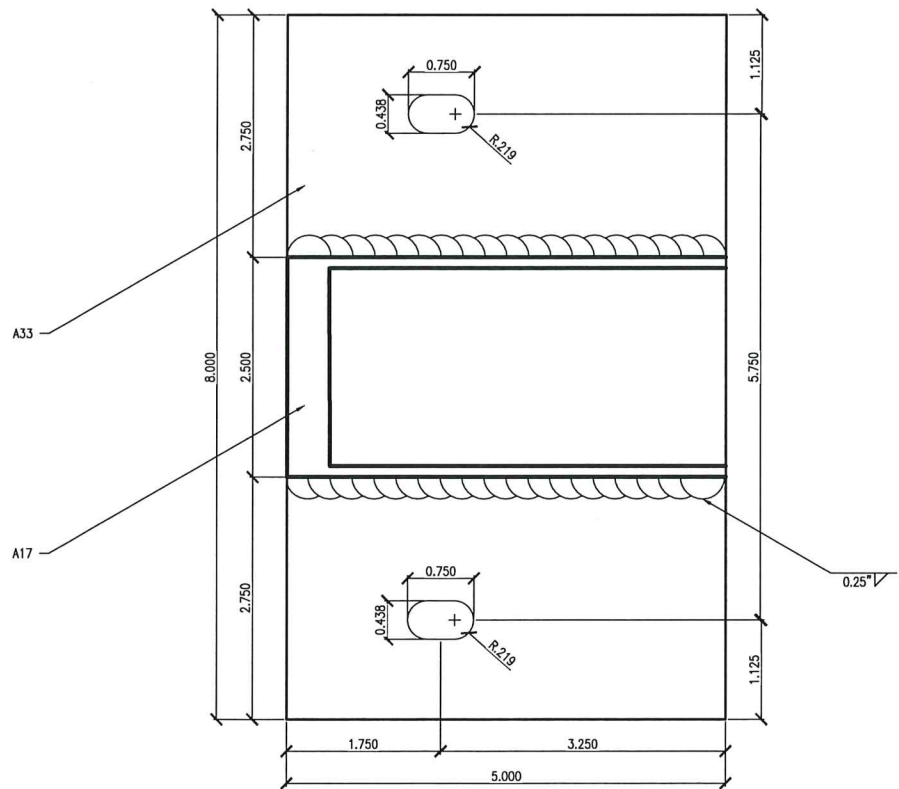
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1 SLOPED RAFTER WITH OFFSET WELDED BASE PLATE
D1.10 SCALE: 1:1



2 SLOPED RAFTER WITH CENTERED WELDED BASE PLATE
D1.10 SCALE: 1:1

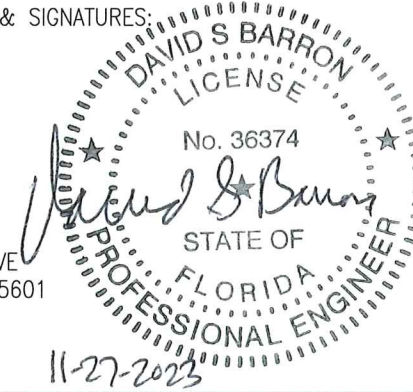
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PROJECT:
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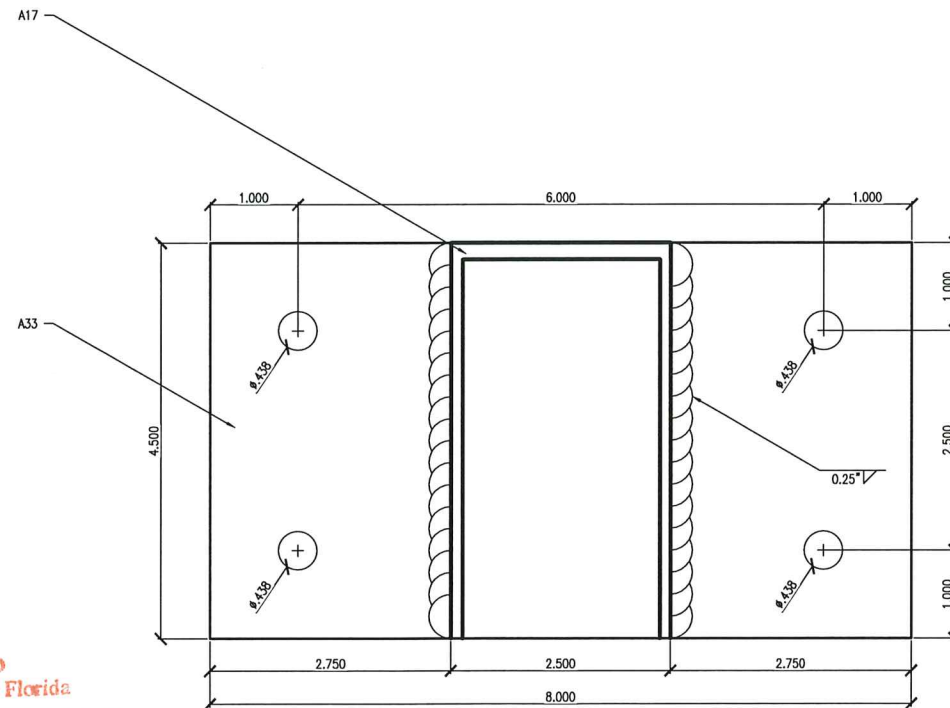
PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES
A17 SR-40 EXTRUDED ALUMINUM RAFTER
FOR CAPTURED JOINT
A33 3/4" WELDED BASE PLATE WITH 3/4"
HORIZONTAL SLOT AT FASTENERS

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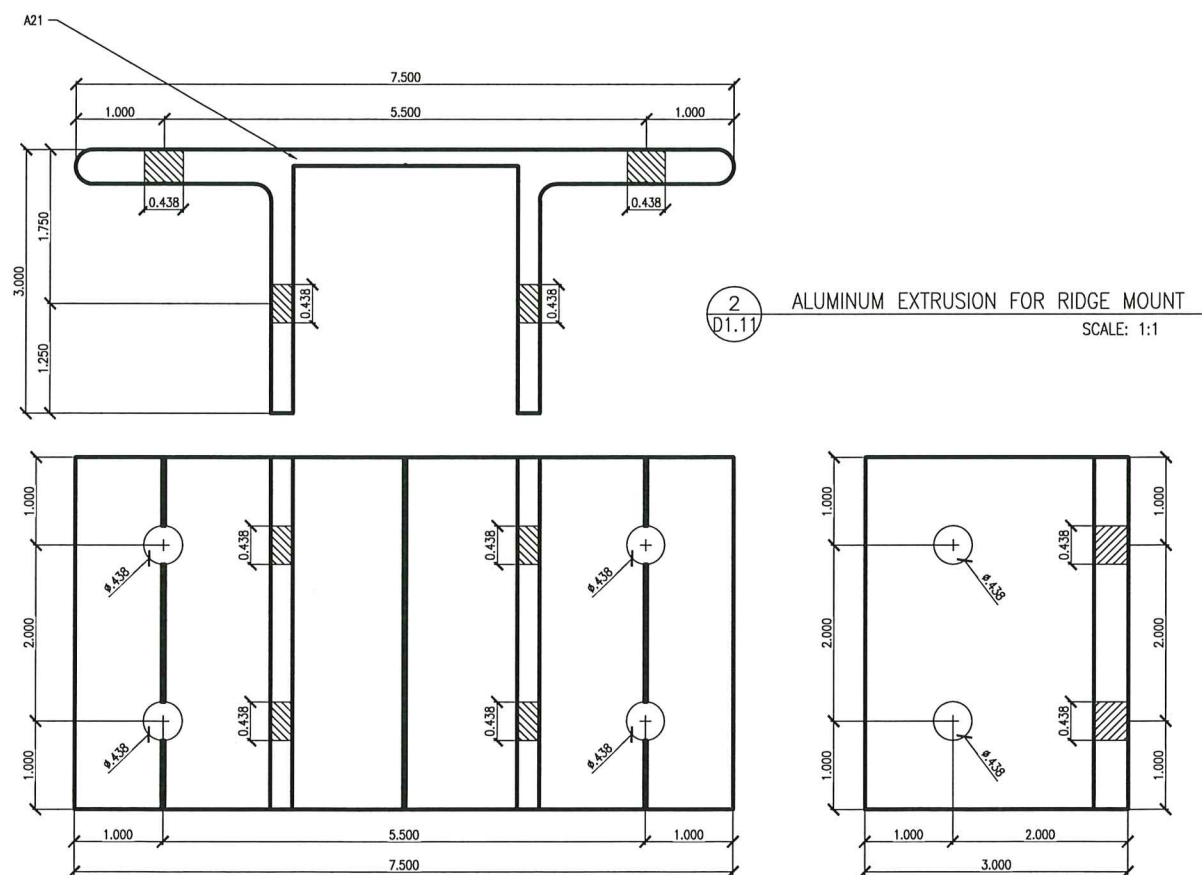
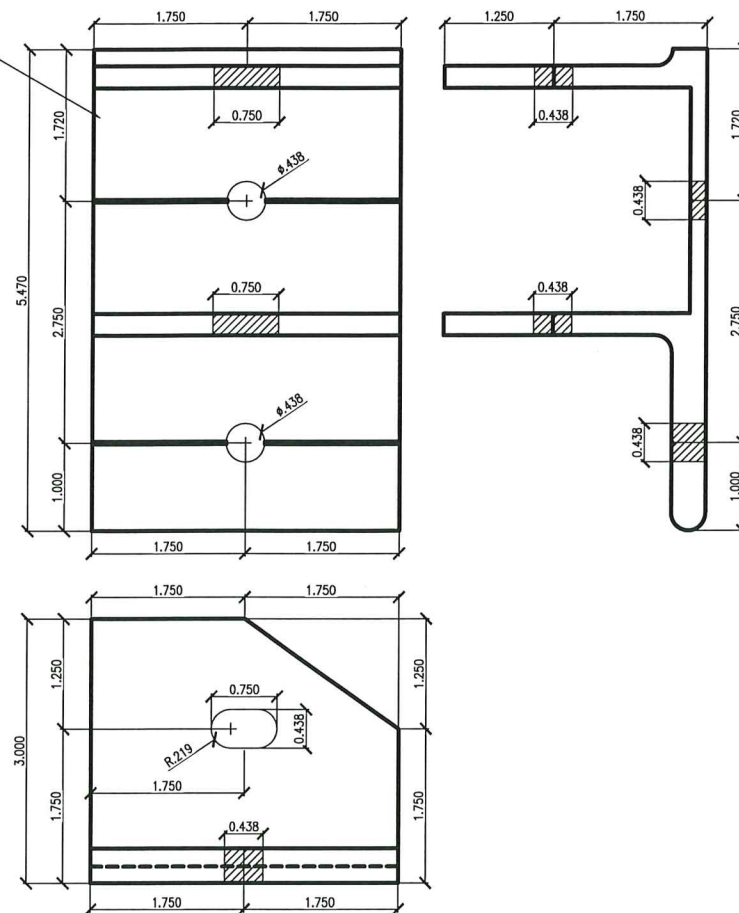
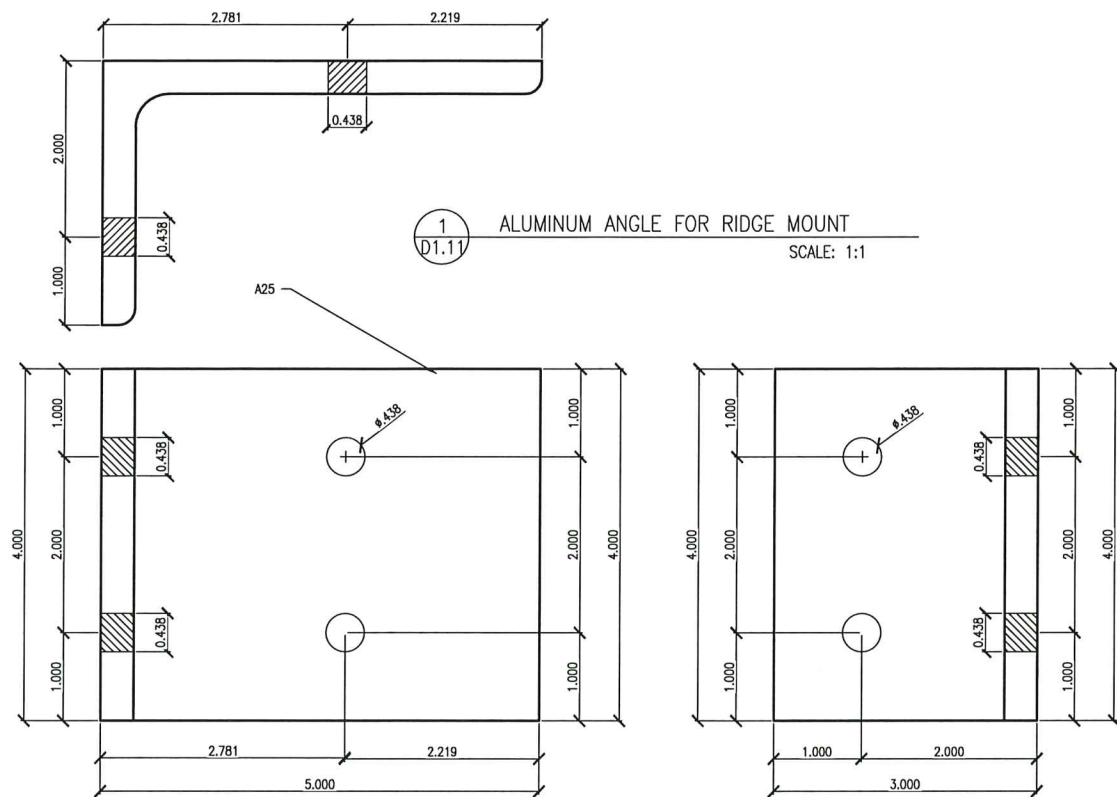
3 VERTICAL RAFTER WITH CENTERED WELDED BASE PLATE
D1.10 SCALE: 1:1

PAGE NAME:
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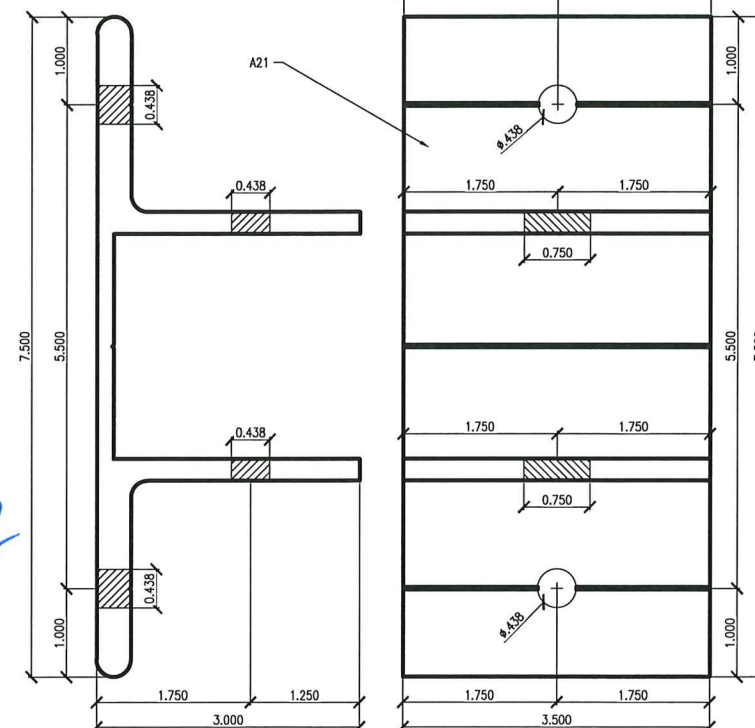
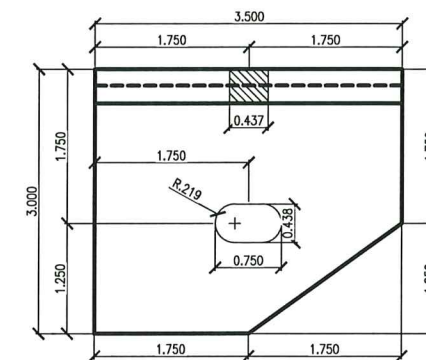
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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS

PROJECT MANAGER: JIM WILLIAMS

DRAWN BY: BRIAN MURPHY

DATE: 11.15.2023

CALL-OUT NOTES

A21 SC-8 EXTRUDED ALUMINUM SADDLE CLIP WITH 3/4" HORIZONTAL SLOT AT RAFTER CONNECTION
A25 3" X 5" X 3/4" 6061-T6 EXTRUDED ALUMINUM STRUCTURAL ANGLE WITH 4" LENGTH

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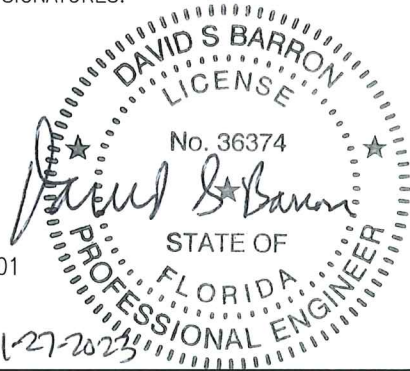
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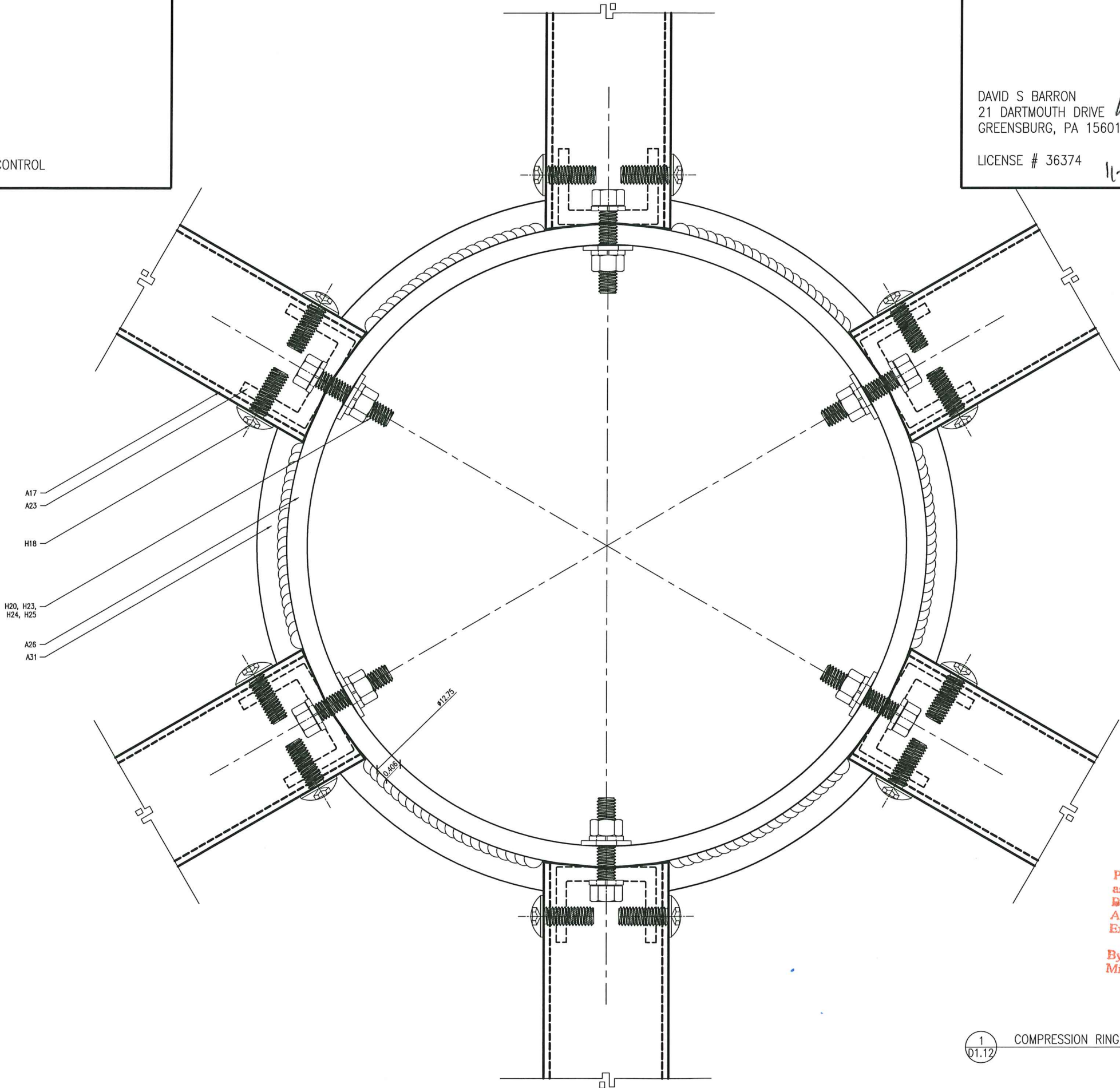
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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

- CALL-OUT NOTES
- A17 SR-40 EXTRUDED ALUMINUM RAFTER
 - A23 EXTRUDED ALUMINUM MOUNTING CHANNEL
 - A26 12 3/4" OD X 0.406" ALUMINUM ROUND PIPE
 - A31 1/4" WELDED ALUMINUM BASE PLATE
 - H18 3/4"-16 X 1" ZINC-PLATED STEEL T-40 TORX HEAD SCREW
 - H20 3/4"-16 X 1 3/4" ZINC-PLATED STEEL HEX HEAD TAP BOLT (GRADE 5 OR BETTER)
 - H23 3/4" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
 - H24 3/4" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
 - H25 3/4"-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)



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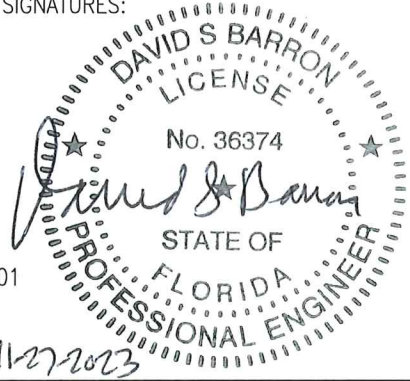
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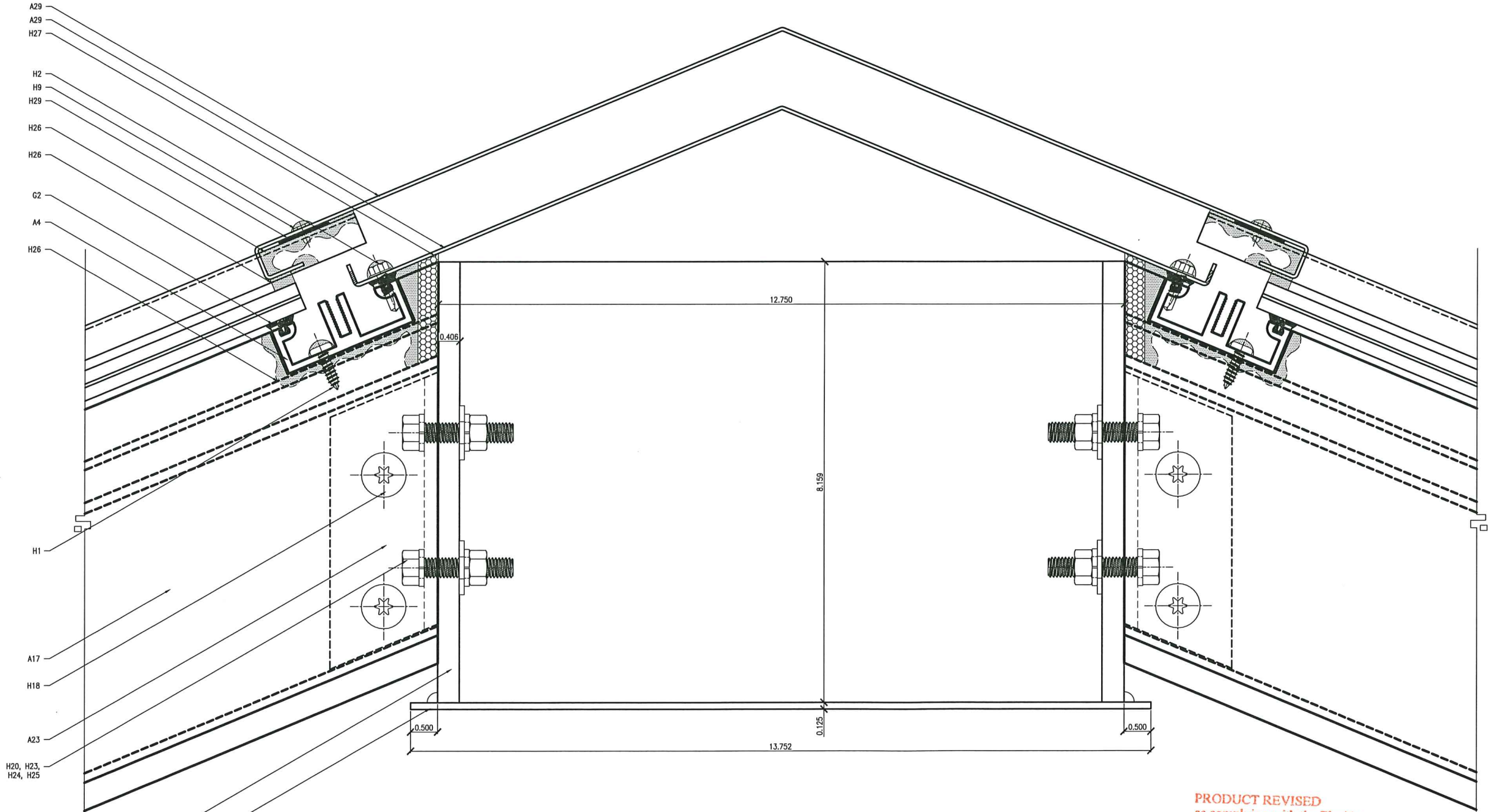


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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

CALL-OUT NOTES

- A4 MODIFIED H-65 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
- A17 SR-40 EXTRUDED ALUMINUM RAFTER
- A23 EXTRUDED ALUMINUM MOUNTING CHANNEL
- A26 12 3/4" OD X 0.406" ALUMINUM ROUND PIPE
- A29 0.063" ALUMINUM
- A31 1/8" WELDED ALUMINUM BASE PLATE
- G2 N-18S SILICONE GASKET
- H1 #12 X 3/4" TYPE 316 STAINLESS STEEL PHILLIPS PAN HEAD TYPE AB WITH DOW 795 SILICONE SEALANT
- H2 #12 X 3/4" 18-8 STAINLESS STEEL HEX WASHER HEAD TEX #3 WITH DOW 795 SILICONE SEALANT, SPACED AT 12"-16" ON CENTER
- H9 5/16" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED WITH DOW 795 SILICONE SEALANT
- H18 3/4"-18 X 1" ZINC-PLATED STEEL T-40 TORX HEAD SCREW
- H20 3/4"-18 X 1 3/4" ZINC-PLATED STEEL HEX HEAD TAP BOLT (GRADE 5 OR BETTER)
- H23 3/4" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
- H24 3/4" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
- H25 3/4"-18 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
- H26 DOW 795 SILICONE SEALANT
- H27 BACKER ROD
- H29 NOTION TAPE



1 COMPRESSION RING @ POLYGON
D1.13

SCALE: 1:1

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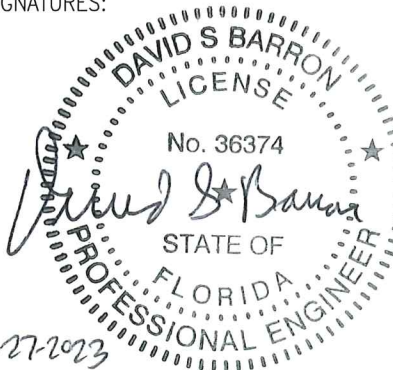
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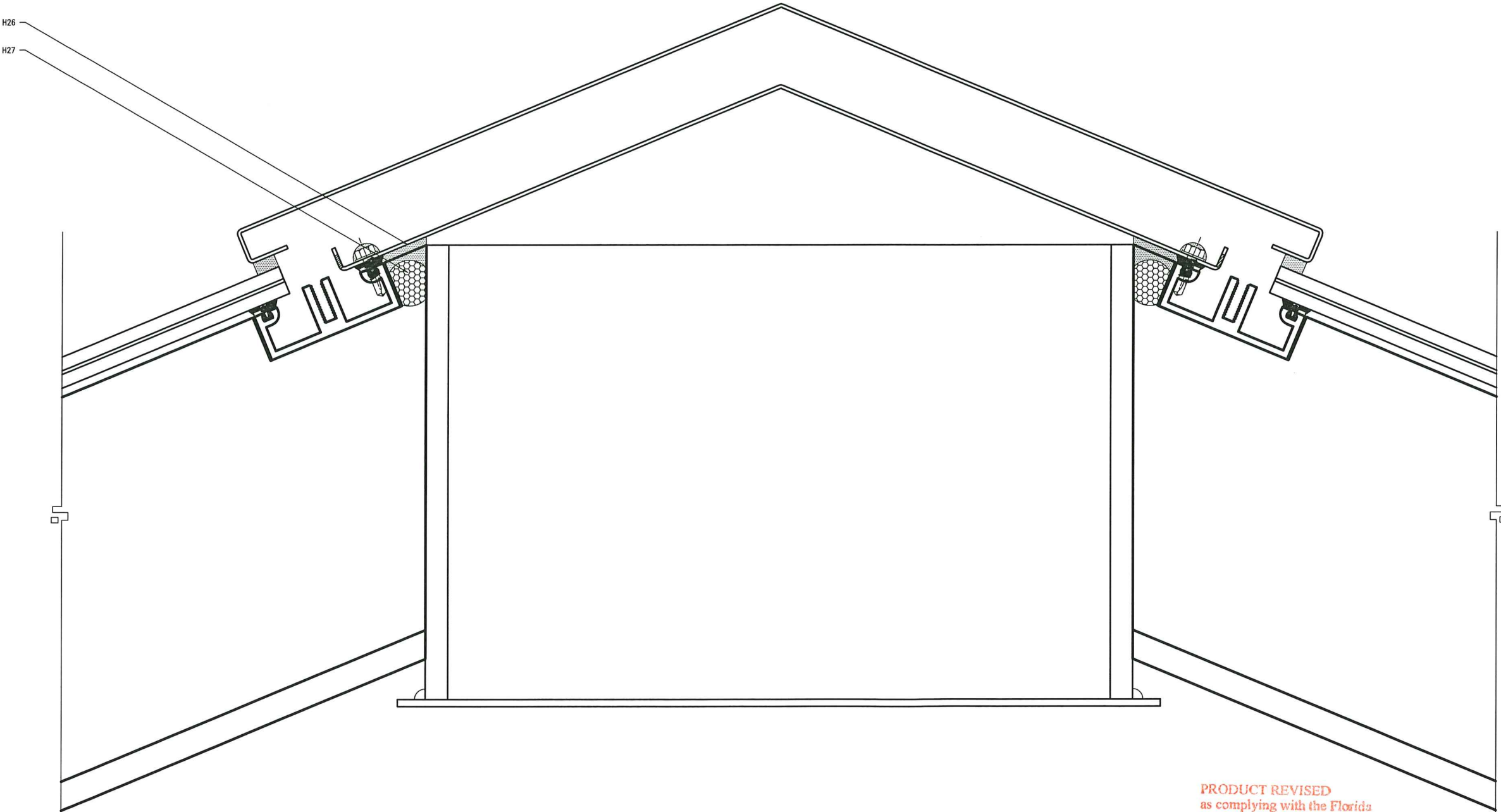


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PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

CALL-OUT NOTES
H26 DOW 795 SILICONE SEALANT
H27 BACKER ROD

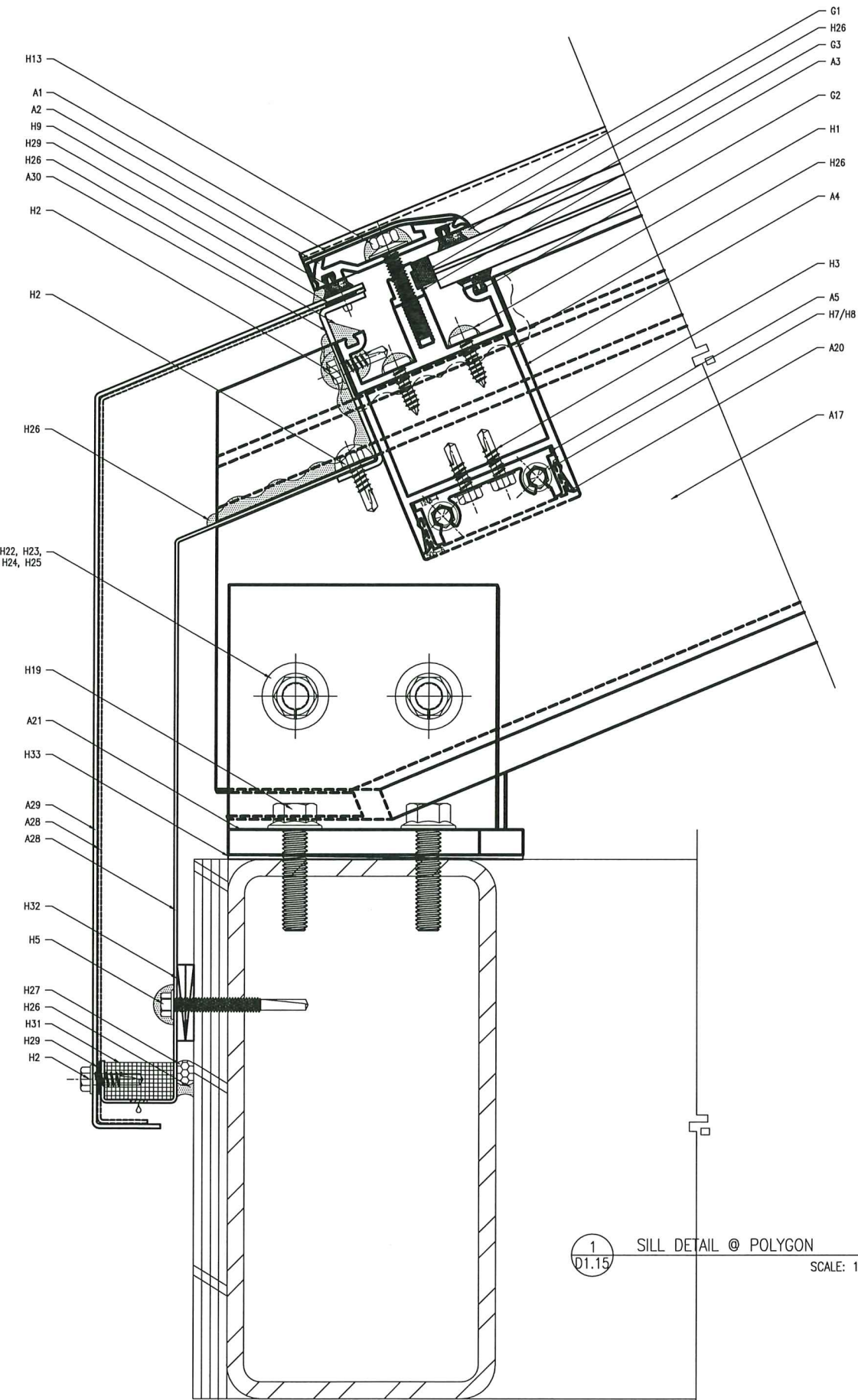


1 COMPRESSION RING @ POLYGON
D1.14 SCALE: 1:1

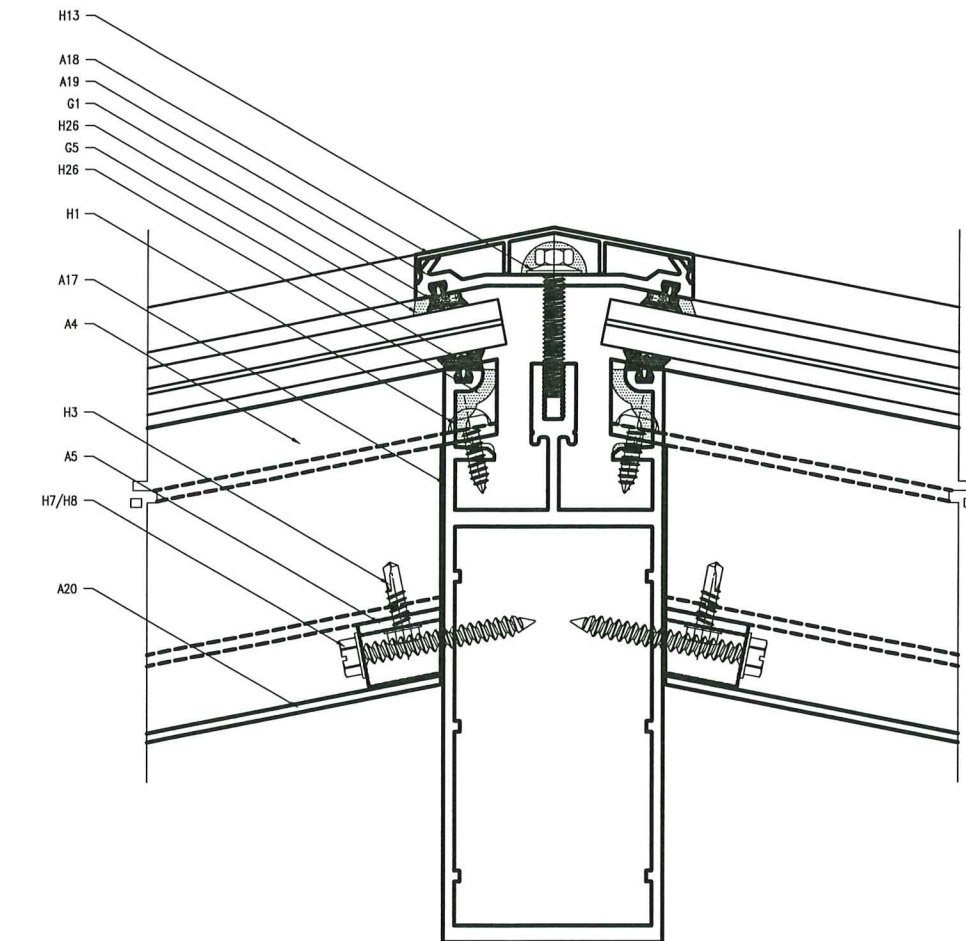
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1 SILL DETAIL @ POLYGON
D1.15 SCALE: 1:1



2 HIP DETAIL @ POLYGON
D1.15 SCALE: 1:1

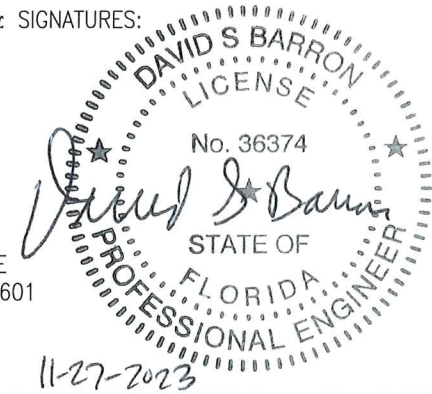
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PROJECT MANAGER:
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DRAWN BY:
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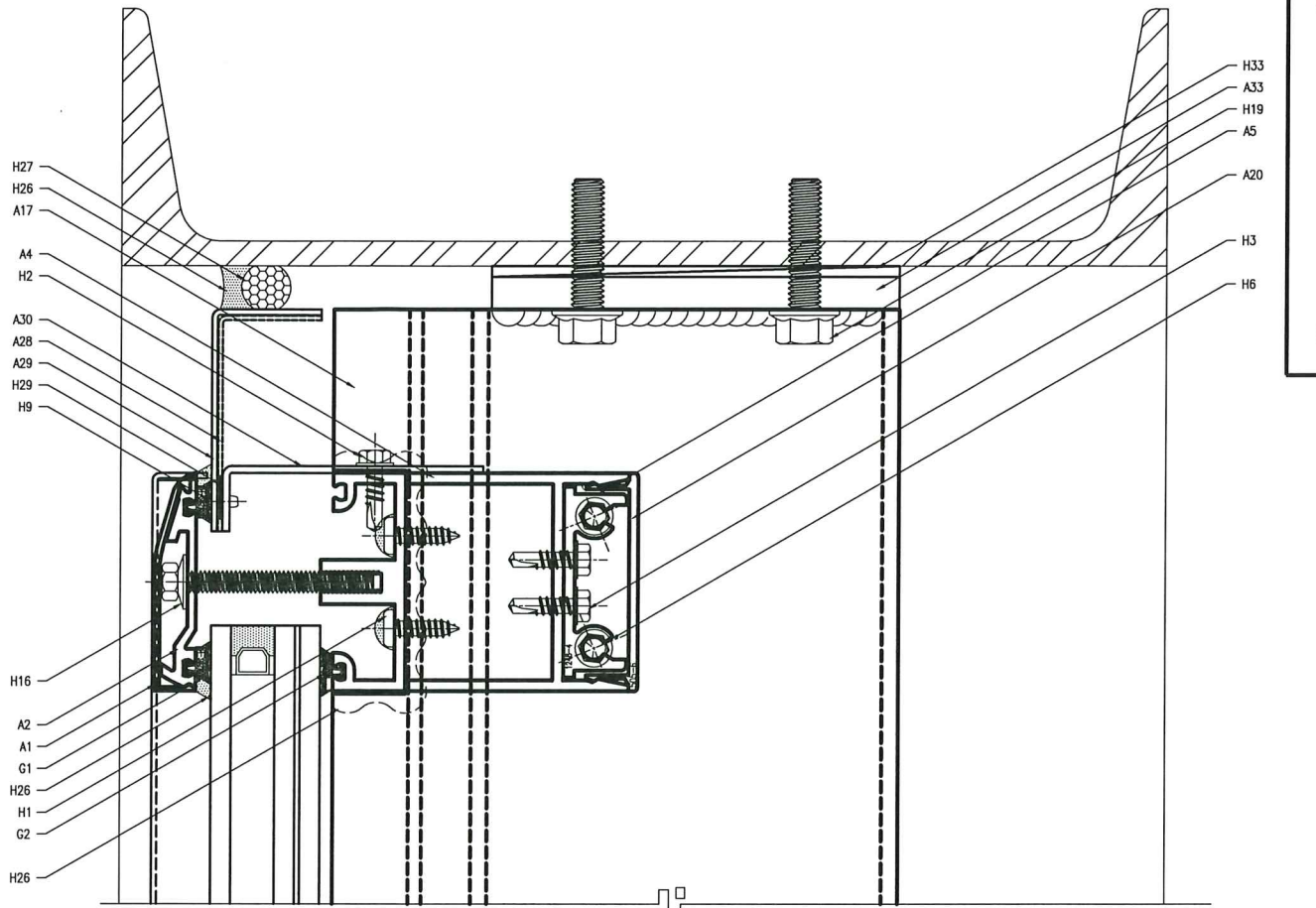
- A1 SP-45 EXTRUDED ALUMINUM SNAP PIECE FOR CAPTURED HORIZONTAL
- A2 CS-37 EXTRUDED ALUMINUM COMPRESSION STRIP FOR CAPTURED HORIZONTAL
- A3 MODIFIED M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 4" LENGTH, AT QUARTER POINTS
- A4 H-65 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
- A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK
- A17 SR-40 EXTRUDED ALUMINUM RAFTER PIECE FOR HIP
- A18 SP-47 EXTRUDED ALUMINUM SNAP PIECE FOR HIP
- A19 CS-39 EXTRUDED ALUMINUM COMPRESSION STRIP FOR HIP
- A20 505-8 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
- A21 SC-8 EXTRUDED ALUMINUM SADDLE CLIP
- A28 0.050" ALUMINUM
- A29 0.063" ALUMINUM
- A30 0.080" ALUMINUM
- G1 N-285 SILICONE GASKET
- G2 N-185 SILICONE GASKET
- G3 MODIFIED N-34S SILICONE SETTING BLOCK
- G5 N-375 SILICONE GASKET FOR HIP
- H1 #12 X 3/4" TYPE 316 STAINLESS STEEL PHILLIPS PAN HEAD TYPE AB WITH DOW 795 SILICONE SEALANT
- H2 #12 X 3/4" TYPE 18-8 STAINLESS STEEL HEX WASHER HEAD TEX #3 SPACED AT 8" ON CENTER FOR EXTERIOR FLASHING, 12"-16" ON CENTER FOR INTERIOR FLASHING, WITH DOW 795 SILICONE SEALANT WHERE SHOWN
- H3 #12 X 3/4" ZINC-PLATED STEEL HEX WASHER HEAD TEX #3
- H5 #12-24 X 2" 18-8 STAINLESS STEEL HEX WASHER HEAD TEX #5 SPACED AT 12" ON CENTER WITH DOW 795 SILICONE SEALANT
- H7 #14 X 2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB USED AT NARROW END
- H8 #14 X 3" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB USED AT WIDE END
- H9 3/8" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED
- H13 3/4-20 X 1 1/2" TYPE 316 STAINLESS STEEL HEX HEAD MS & NED WASHER WITH DOW 795 SILICONE SEALANT SPACED AT 8" ON CENTER
- H19 3/4-18 X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8-16 X 2 HEX WASHER HEAD TYPE F)
- H22 3/4-16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)
- H23 3/8" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
- H24 3/8" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
- H25 3/4-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
- H26 DOW 795 SILICONE SEALANT
- H27 BACKER ROD
- H29 NORTON TAPE
- H31 WEEP Baffle & WEEP HOLE
- H32 PLASTIC SHIMS
- H33 ALUMINUM SHIMS

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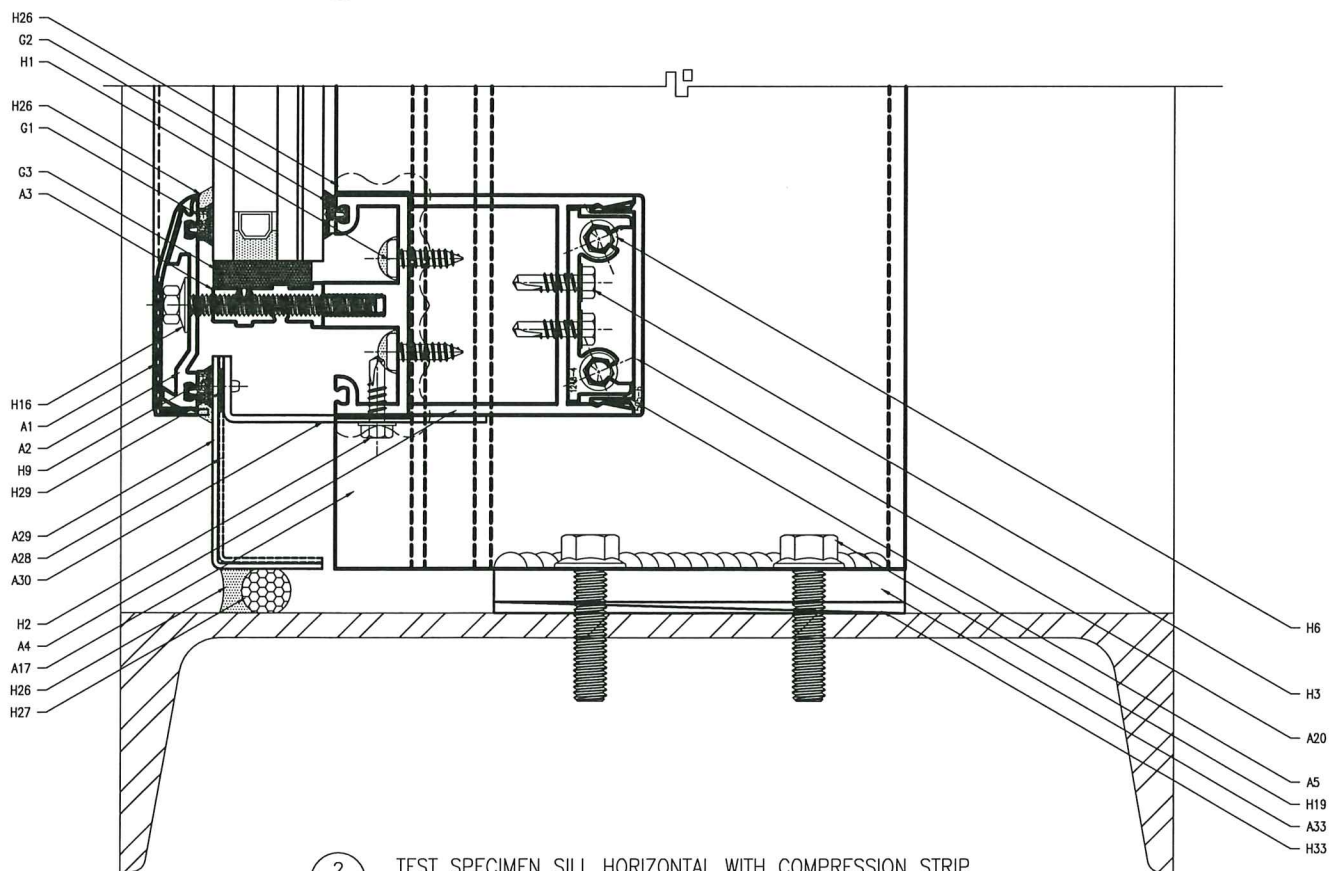
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1 TEST SPECIMEN HEAD HORIZONTAL WITH COMPRESSION STRIP
D1.16 SCALE: 1:1



2 TEST SPECIMEN SILL HORIZONTAL WITH COMPRESSION STRIP
D1.16 SCALE: 1:1

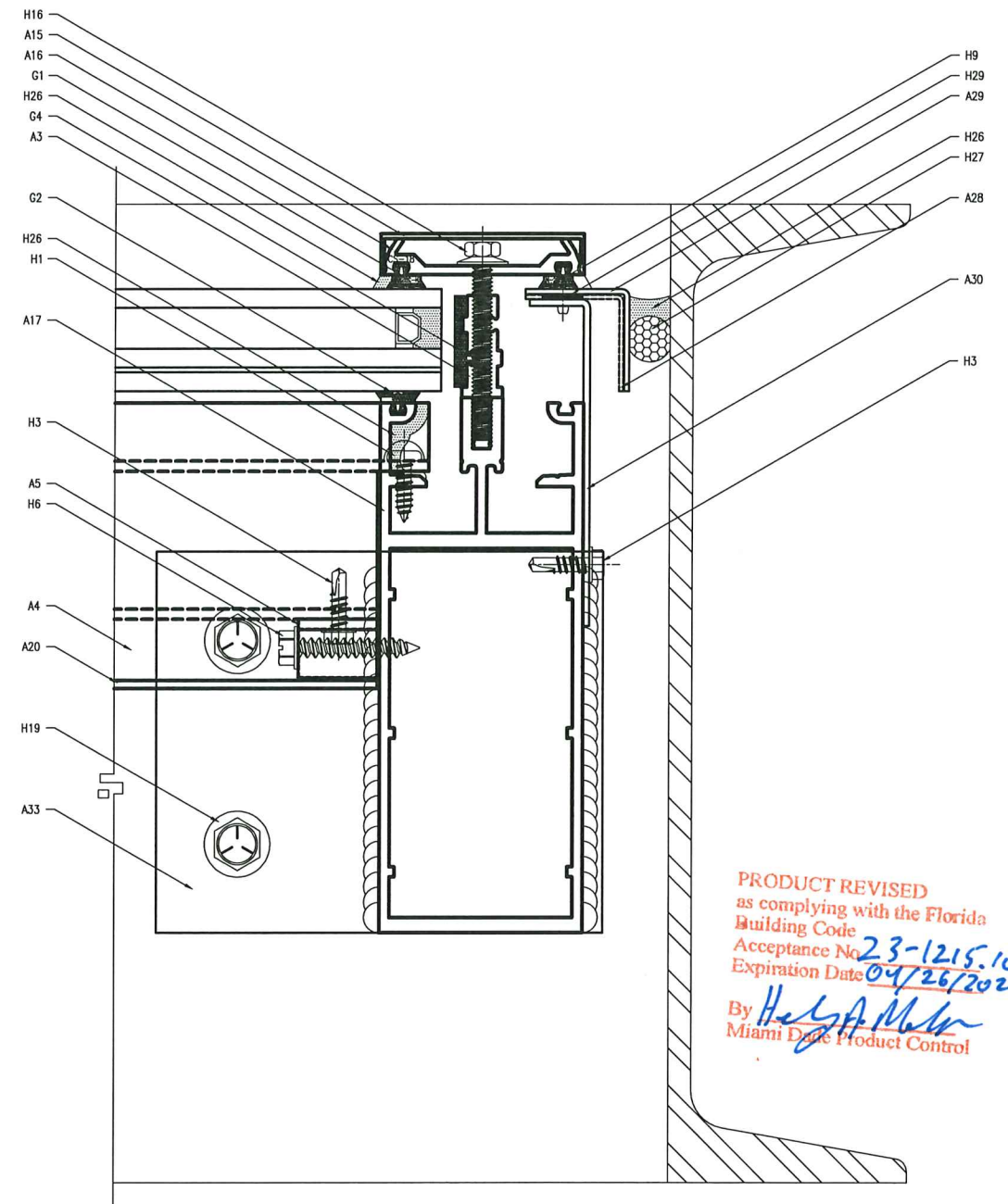
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MIAMI - DADE COUNTY PRODUCT CONTROL

APPROVAL STAMPS & SIGNATURES:

DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374



3 TEST SPECIMEN END RAFTER WITH COMPRESSION STRIP
FOR HORIZONTAL WITH COMPRESSION STRIP SCALE: 1:1

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1215.10
Expiration Date 09/26/2028
By *H. G. A. Miller*
Miami Dade Product Control

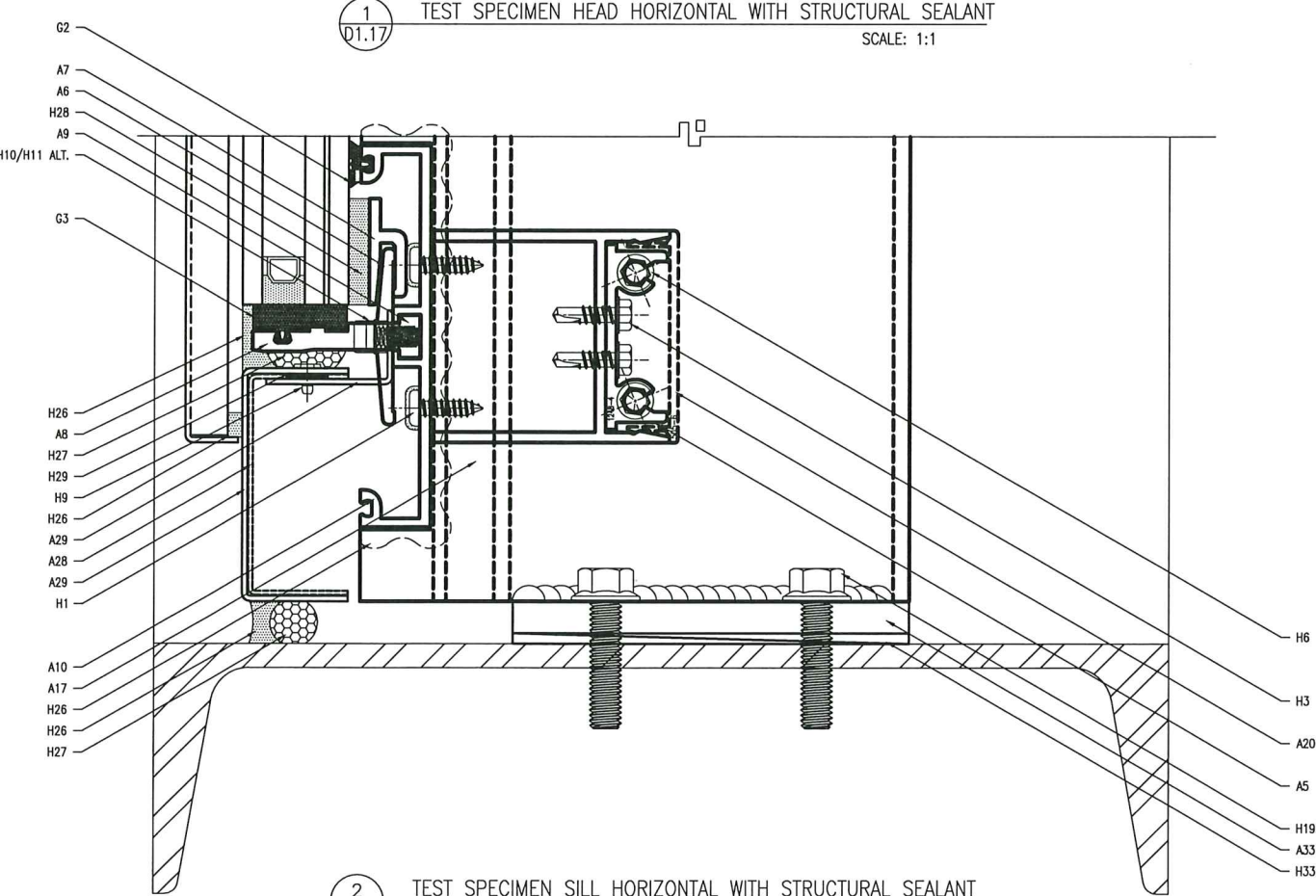
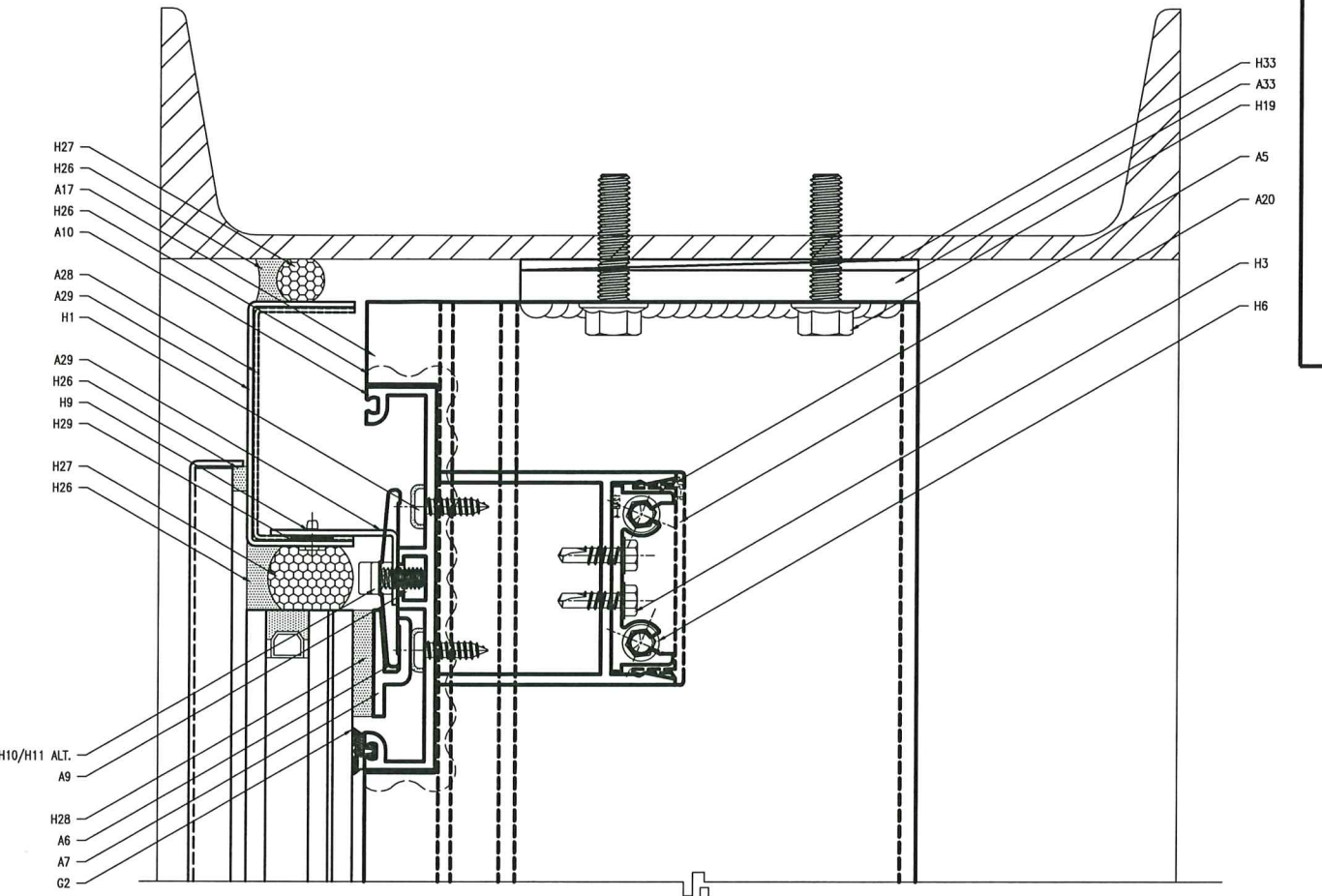


PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

- CALL-OUT NOTES
- A1 SP-45 EXTRUDED ALUMINUM SNAP
 - A2 CS-37 EXTRUDED ALUMINUM COMPRESSION STRIP FOR CAPTURED HORIZONTAL
 - A3 M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAR, 3" LENGTH, AT QUARTER POINTS ON HORIZONTAL, AT UPPER QUARTER POINTS ON VERTICAL
 - A4 H-65 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
 - A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK
 - A15 SP-11 EXTRUDED ALUMINUM SNAP
 - A16 CS-18 EXTRUDED ALUMINUM COMPRESSION STRIP
 - A17 SR-40 EXTRUDED ALUMINUM RAFTER
 - A20 505-6 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
 - A28 0.050" ALUMINUM
 - A29 0.063" ALUMINUM
 - A30 0.080" ALUMINUM
 - A33 3/4" ALUMINUM WELDED BASE PLATE
 - G1 N-28S SILICONE GASKET
 - G2 N-18S SILICONE GASKET
 - G3 N-34S SILICONE SETTING BLOCK
 - G4 N-35S SILICONE SETTING BLOCK
 - H1 #12 X 3/4" TYPE 316 STAINLESS STEEL PHILLIPS PAN HEAD TYPE AB WITH DOW 795 SILICONE SEALANT
 - H2 #12 X 3/4" TYPE 18-8 STAINLESS STEEL HEX WASHER HEAD TEX #3, SPACED AT 12"-16" ON CENTER
 - H3 #12 X 3/4" ZINC-PLATED STEEL HEX WASHER HEAD TEX #3
 - H6 #14 X 1 1/4" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB
 - H9 5/16" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED
 - H16 1/4"-20 X 2 1/4" TYPE 316 STAINLESS STEEL HEX HEAD MS & NEO WASHER SPACED AT 6" ON CENTER
 - H19 3/8"-16 X 1 1/4" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8"-16 X 2 HEX WASHER HEAD TYPE F)
 - H26 DOW 795 SILICONE SEALANT
 - H27 BACKER ROD
 - H29 NORTON TAPE
 - H33 ALUMINUM SHIMS

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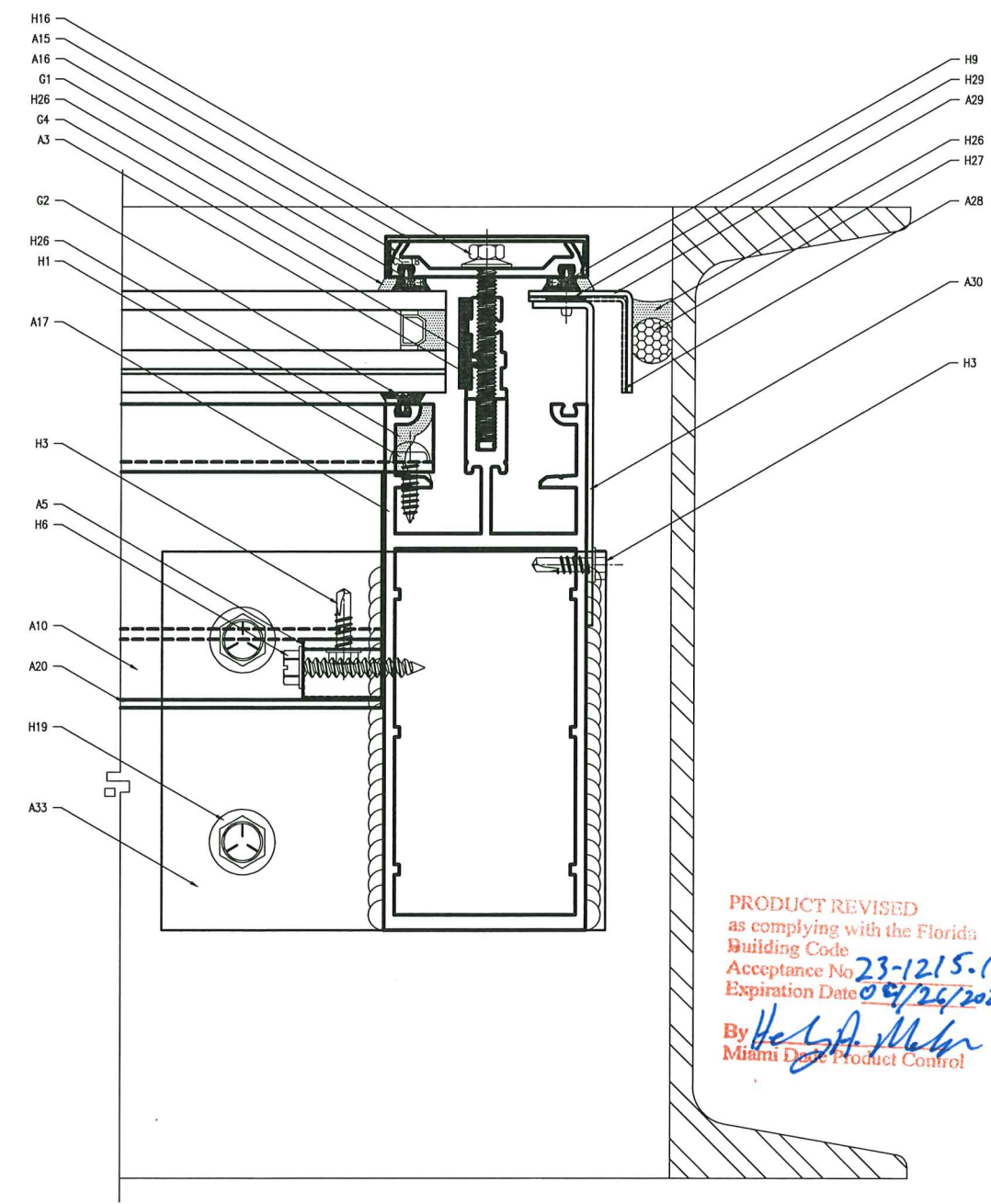
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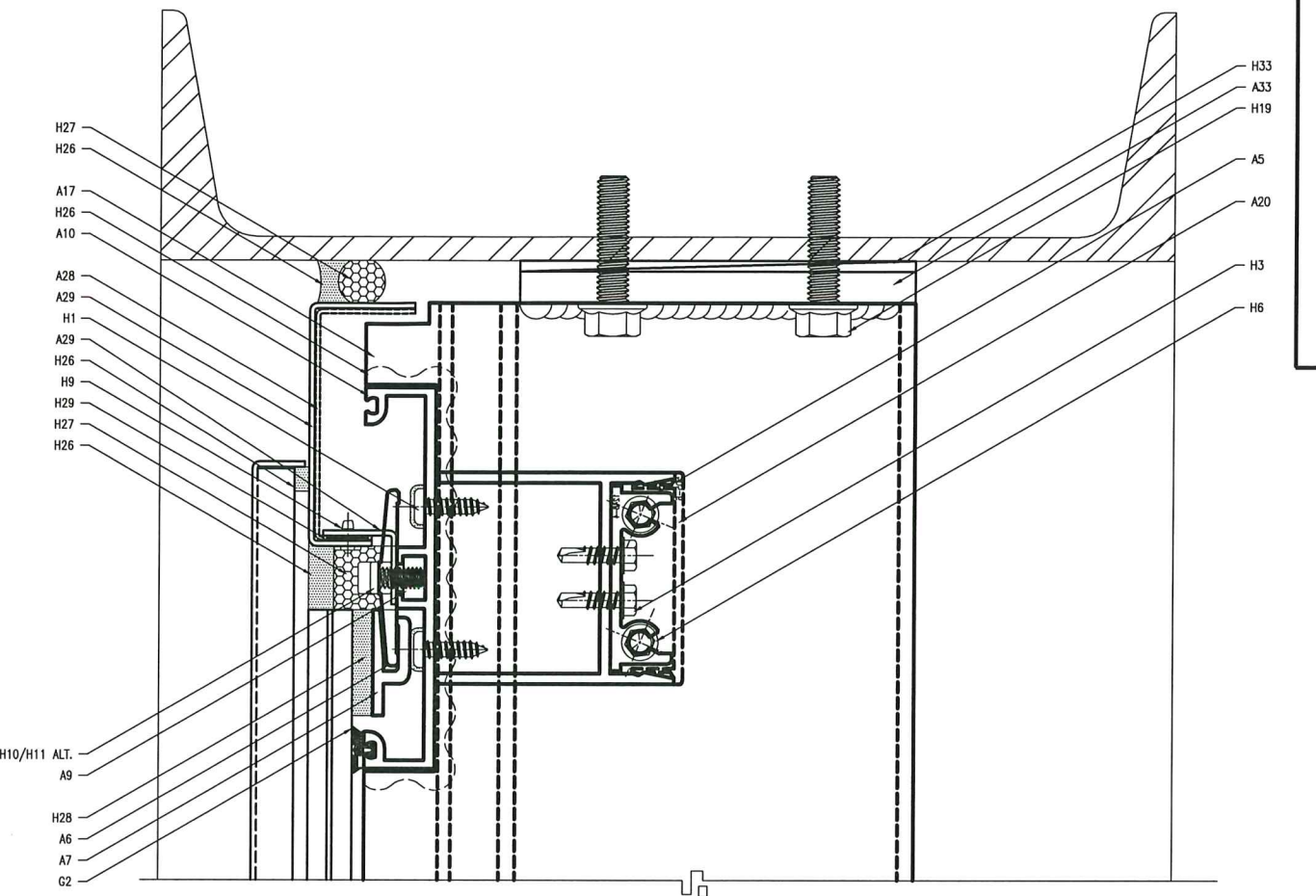


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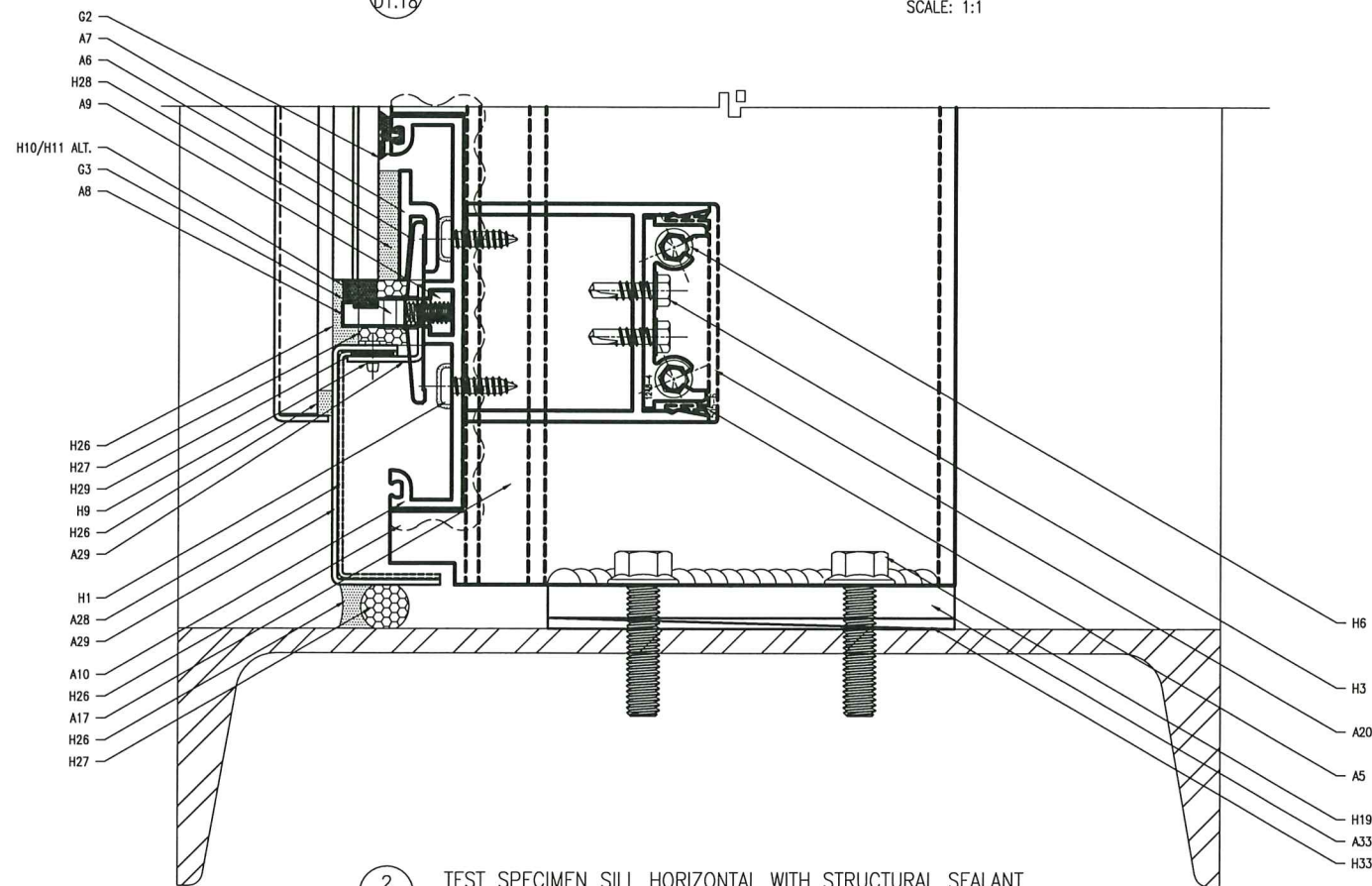
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 - A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK
 - A6 RC-5 EXTRUDED ALUMINUM RETENTION CLIP
 - A7 GC-3 EXTRUDED ALUMINUM GLAZING CHANNEL
 - A8 M-126 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 3" LENGTH, AT QUARTER POINTS
 - A9 1/4" X 1/2" ALUMINUM BAR INSERT TAPPED FOR 1/4-20 FASTENER
 - A10 H-88 EXTRUDED ALUMINUM HORIZONTAL FOR STRUCTURALLY GLAZED JOINT
 - A15 SP-11 EXTRUDED ALUMINUM SNAP PIECE
 - A16 CS-18 EXTRUDED ALUMINUM COMPRESSION STRIP
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 - H26 DOW 795 SILICONE SEALANT
 - H27 BACKER ROD
 - H28 DOW 983 TWO-PART STRUCTURAL SILICONE 1/4" THICK, 1 1/4" WIDE
 - H29 NORTON TAPE
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1 TEST SPECIMEN HEAD HORIZONTAL WITH STRUCTURAL SEALANT
D1.18 SCALE: 1:1



2 TEST SPECIMEN SILL HORIZONTAL WITH STRUCTURAL SEALANT
D1.18 SCALE: 1:1

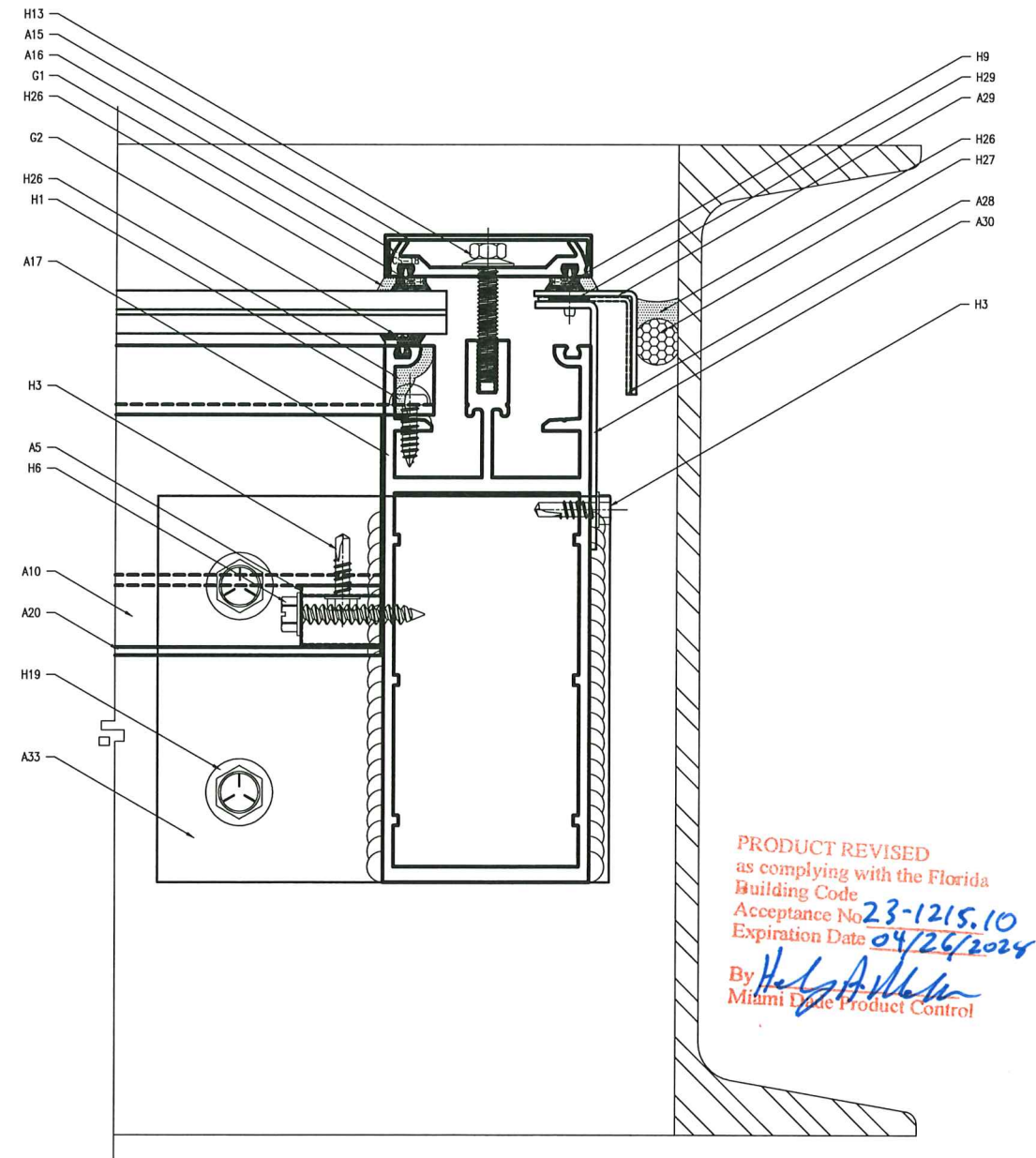
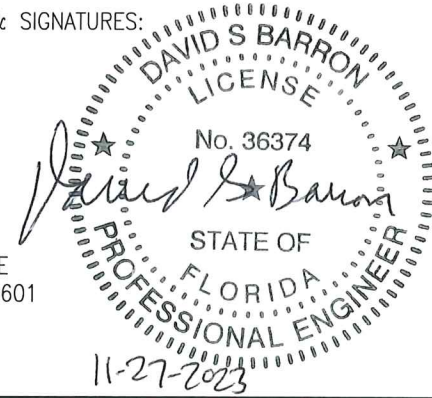
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