



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 – Large Missile Impact Glass Skylight System

APPROVAL DOCUMENT: Drawing titled "Linel HR2000 – Large Missile Impact Glass Skylight System", sheets 1 through 29 of 29, 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: Large and 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 #22-0516.01 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. 23-1215.09
Expiration Date: 03/15/2028
Approval Date: 02/15/2024
Page 1

Linel – A Division of Mestek, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL #17-0925.03

A. DRAWINGS

1. *Drawing titled "Linel HR2000 – Large Missile Impact Glass Skylight System", sheets 1 through 29 of 29, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on February 09, 2018.*

B. TESTS

1. *Test report on Large Missile Impact Test, Cyclic Load Test and Uniform Static air Pressure Test on Linel HR2000 Skylight Systems, prepared by Intertek / Architectural Testing, Report No. G1530.01-450-18, dated 08/25/17, signed and sealed by Gary T. Hartman, P.E.*

C. CALCULATIONS

1. *Calculation titled "Linel HR2000 – Large Missile Impact Glass Skylight System, TAS 201-94, TAS 202-94 & TAS 203-94, dated September 08, 2017, pages 1 through 58 of 58, 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 09/08/2017, 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 #22-0516.01

A. DRAWINGS

1. *Drawing titled "Linel HR2000 – Large Missile Impact Glass Skylight System", sheets 1 through 29 of 29, prepared by David S. Barron, P.E., signed and sealed by David S. Barron, P.E. on April 28, 2022.*

B. TESTS

1. *None.*

C. CALCULATIONS

1. *None.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1215.09
Expiration Date: 03/15/2028
Approval Date: 02/15/2024

Linell – A Division of Mestek, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

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, dated 04/28/2022, issued by David S. Barron, P.E., signed and sealed by David S. Barron, P.E.*

3. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. *Drawing titled "Linell HR2000 – Large Missile Impact Glass Skylight System", sheets 1 through 29 of 29, 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

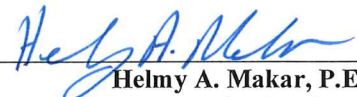
1. *By Miami-Dade County Department of Regulatory and Economic Resources.*

E. MATERIAL CERTIFICATIONS

1. *None.*

F. OTHERS

1. *Letter of Compliance with the Florida Building Code, 2023 Edition, dated 11/27/2023, issued by David S. Barron, P.E., signed and sealed by David S. Barron, P.E.*



Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-1215.09
Expiration Date: 03/15/2028
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LINEL HR2000 – LARGE MISSILE IMPACT GLASS SKYLIGHT SYSTEM

System Description: The Linel HR2000 large 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.

- 1) Skylight Types: The test specimens shown on these shop drawings address the basic examples of typical skylight configurations as shown below.
- 2) 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 large 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 +90 psf and -80 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 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 evaluated using equivalent square foot calculations in accordance with ASTM E 1300.
- 6) Large Missile Glass Makeup:

- 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
0.090" clear Kuraray SentryGlas interlayer
1/4" clear heat-strengthened glass

APPROVAL STAMPS & SIGNATURES:



DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

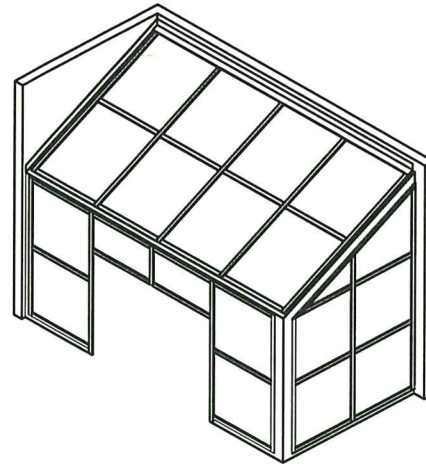
LICENSE # 36374

11-27-2023

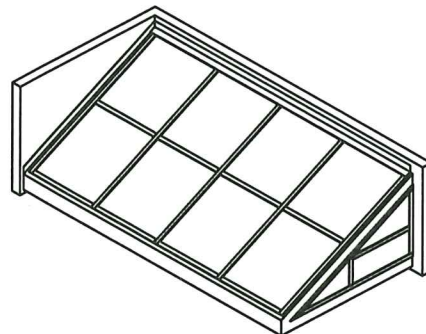
APPROVAL STAMPS & SIGNATURES:

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1215.09
Expiration Date 03/15/2028
By *H. G. A. Miller*
Miami Dade Product Control

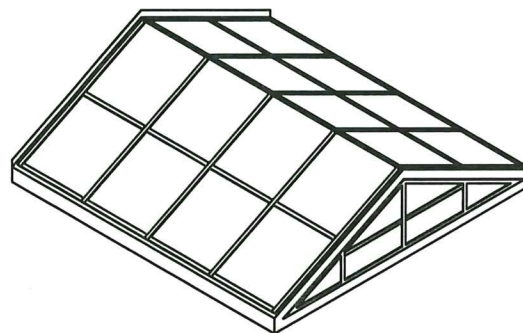
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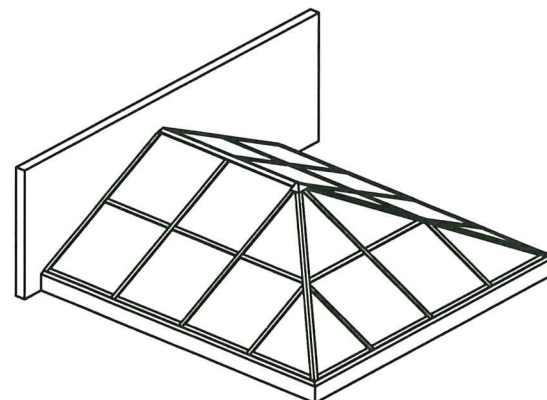
SINGLE PITCH WITH GABLE END



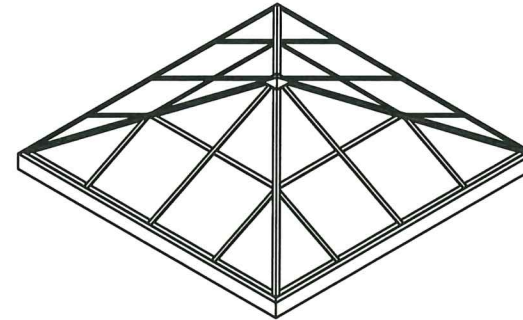
SINGLE PITCH WITH GABLE END



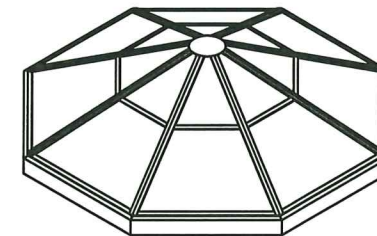
RIDGE WITH GABLE END



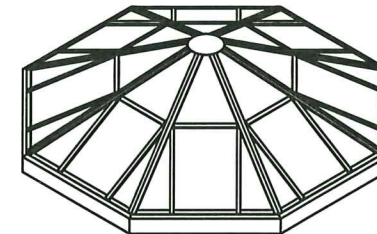
RIDGE WITH HIP END



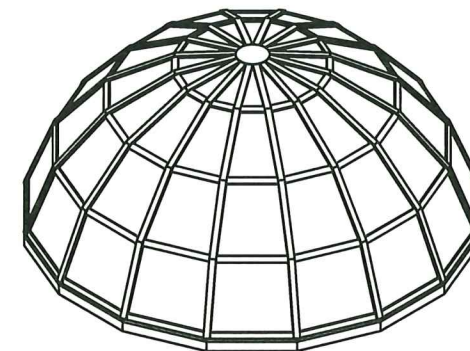
PYRAMID



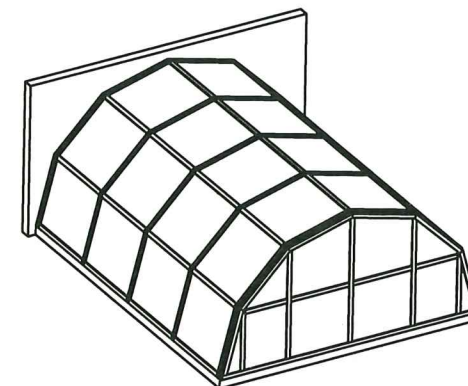
POLYGON



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
LARGE MISSILE SYSTEM

PAGE NUMBER: C1.01L
1 OF 29

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



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



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



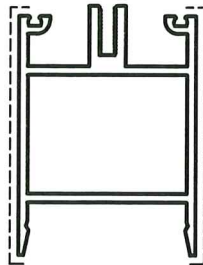
N-18S
SILICONE GASKETS
DUROMETER 60 +/- 5
CALLOUT: G2



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



MI-125
SETTING BLOCK CHAIR
ALLOY: 6005-T5
CALLOUT: A3



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



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



505-6
SNAP PIECE
ALLOY: 6063-T6
NOT USED FOR TESTING
CALLOUT: A6



SP-46
RIDGE SNAP PIECE
ALLOY: 6063-T6
CALLOUT: A7



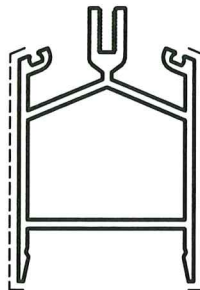
CS-38
RIDGE COMPRESSION STRIP
ALLOY: 6063-T6
CALLOUT: A8



N-28S



N-18S



H-67
CAPTURED RIDGE
HORIZONTAL
ALLOY: 6005-T5
CALLOUT: A9



1248-4



SP-11
SNAP PIECE
ALLOY: 6063-T6
CALLOUT: A10



CS-18
COMPRESSION STRIP
ALLOY: 6063-T5
CALLOUT: A11



N-28S



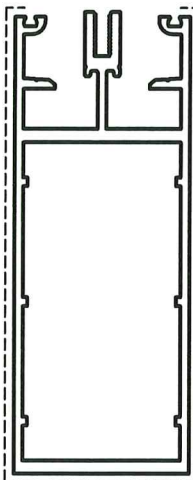
N-18S



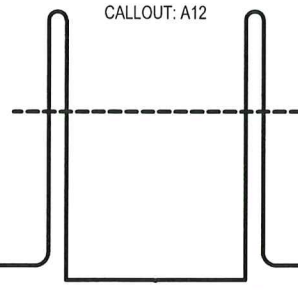
N-35S
SILICONE SETTING
BLOCK
DUROMETER 70 +/- 5
CALLOUT: G4



MI-125



SR-40
CAPTURED RAFTER
ALLOY: 6005-T5
CALLOUT: A12



SC-8
RAFTER SADDLE CLIP
ALLOY: 6005-T5
CUT TO HEIGHT AS NEEDED
CALLOUT: A13



SP-47
HIP EXTERIOR SNAP
ALLOY: 6063-T6
CALLOUT: A14



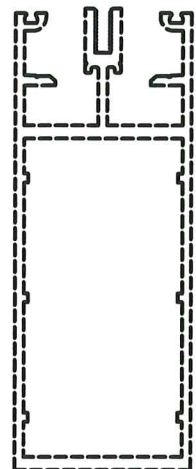
CS-39
HIP COMPRESSION STRIP
ALLOY: 6063-T6
CALLOUT: A15



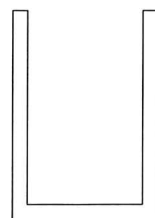
N-28S



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

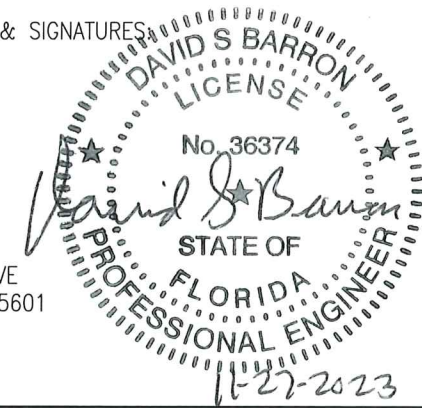


SR-40



MI-100
CHANNEL
ALLOY: 6005-T5
CUT TO HEIGHT AS NEEDED
CALLOUT: A16

APPROVAL STAMPS & SIGNATURES



DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374

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CALLOUT	MATERIAL	ALLOY
A17	1" X 3/4" X 1/8" ALUMINUM ANGLE	6063-T6
A18	1 1/4" X 1 1/4" X 3/16" ALUMINUM ANGLE	6063-T6
A19	3" X 5" X 3/8" ALUMINUM ANGLE	6061-T6
A20	12 3/4" O.D. X 0.406" ALUMINUM PIPE	3003, 6005-T5
A21	0.040 ALUMINUM SHEET	3003
A22	0.050 ALUMINUM SHEET	3003
A23	0.063 ALUMINUM SHEET	3003, 6005-T5
A24	0.080 ALUMINUM SHEET	3003, 6005-T5
A25	0.125 ALUMINUM SHEET	3003, 6005-T5
A26	0.250 ALUMINUM PLATE	6061-T6511
A27	0.375 ALUMINUM PLATE	6061-T6511

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-1215.09
Expiration Date 03/15/2028
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

PAGE NAME: ALUMINUM EXTRUSIONS
& GASKETS

PAGE: C1.02L PAGE NUMBER: 2 OF 29

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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
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
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
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, D1.06, D1.08, D1.13, D1.15, D1.16
H10		1/4-20 X 1 PHILLIPS FLAT HEAD TYPE F	ZINC-PLATED STEEL		D1.06, D1.07
H11		1/4-20 X 1 1/2" HEX HEAD WITH NEOPRENE WASHER	STAINLESS STEEL	HDWR2511	D1.15
H12		1/4-20 X 1 3/4" HEX HEAD WITH NEOPRENE WASHER	STAINLESS STEEL	HDWR2512	D1.05
H13		1/4-20 X 2" HEX WASHER HEAD TYPE F	ZINC-PLATED STEEL		D1.04, D1.05, D1.06, D1.07
H14		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
H15		3/8-16 X 3/4" PHILLIPS FLAT HEAD UNDERCUT MACHINE SCREW	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)		D1.06, D1.07
H16		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
H17		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, D1.15, D1.16
H18		3/8-16 X 1 3/4" HEX HEAD TAP BOLT	ZINC-PLATED, GRADE 5 STEEL (OR BETTER)	HDWR3710	D1.12, D1.13
H19		3/8-16 X 2" HEX WASHER HEAD TYPE F	ZINC-PLATED STEEL	HDWR3712	
H20		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
H21		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
H22		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
H23		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
H24		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
H25		BACKER ROD			D1.01, D1.02, D1.04, D1.08, D1.09, D1.13, D1.14, D1.15, D1.16
H26		NORTON TAPE			D1.01, D1.02, D1.04, D1.06, D1.08, D1.13, D1.15, D1.16
H27		SEALING TAPE			D1.07
H28		WEEP BAFFLE			D1.01, D1.02, D1.08, D1.15
H29		PLASTIC SHIMS			D1.01, D1.02, D1.08, D1.15
H30		ALUMINUM SHIMS			D1.01, D1.02, D1.06, D1.08, D1.15, D1.16

APPROVAL STAMPS & SIGNATURES:

DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374



APPROVAL STAMPS & SIGNATURES:

MIAMI - DADE COUNTY PRODUCT CONTROL

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Acceptance No. 23-1215.09
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By *H. S. A. R. R.*
Miami Dade Product Control



PROJECT:
HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

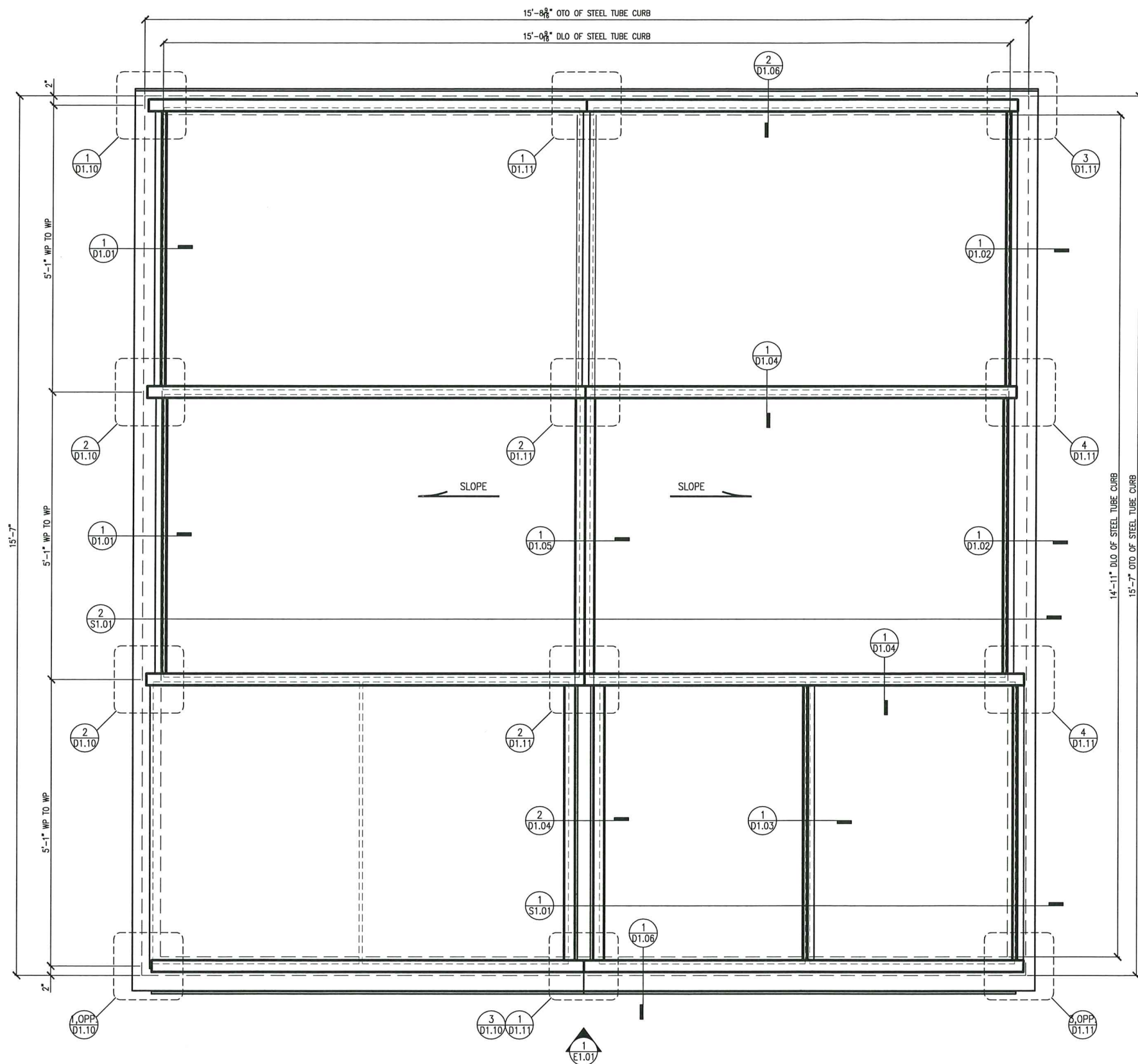
CALL-OUT NOTES

PAGE NAME:
COMMON FASTENERS

PAGE:
C1.03L

PAGE NUMBER:
3 OF 29

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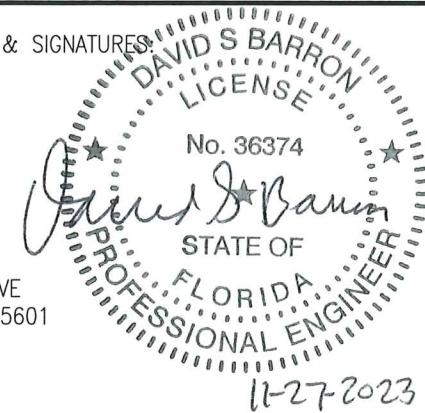
1
P1.01

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

APPROVAL STAMPS & SIGNATURES:

DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374



APPROVAL STAMPS & SIGNATURES:

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By *H. G. A. Miller*
Miami Dade Product Control

LINEL

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F: 317.831.9260
www.lineal.co



PROJECT:
HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

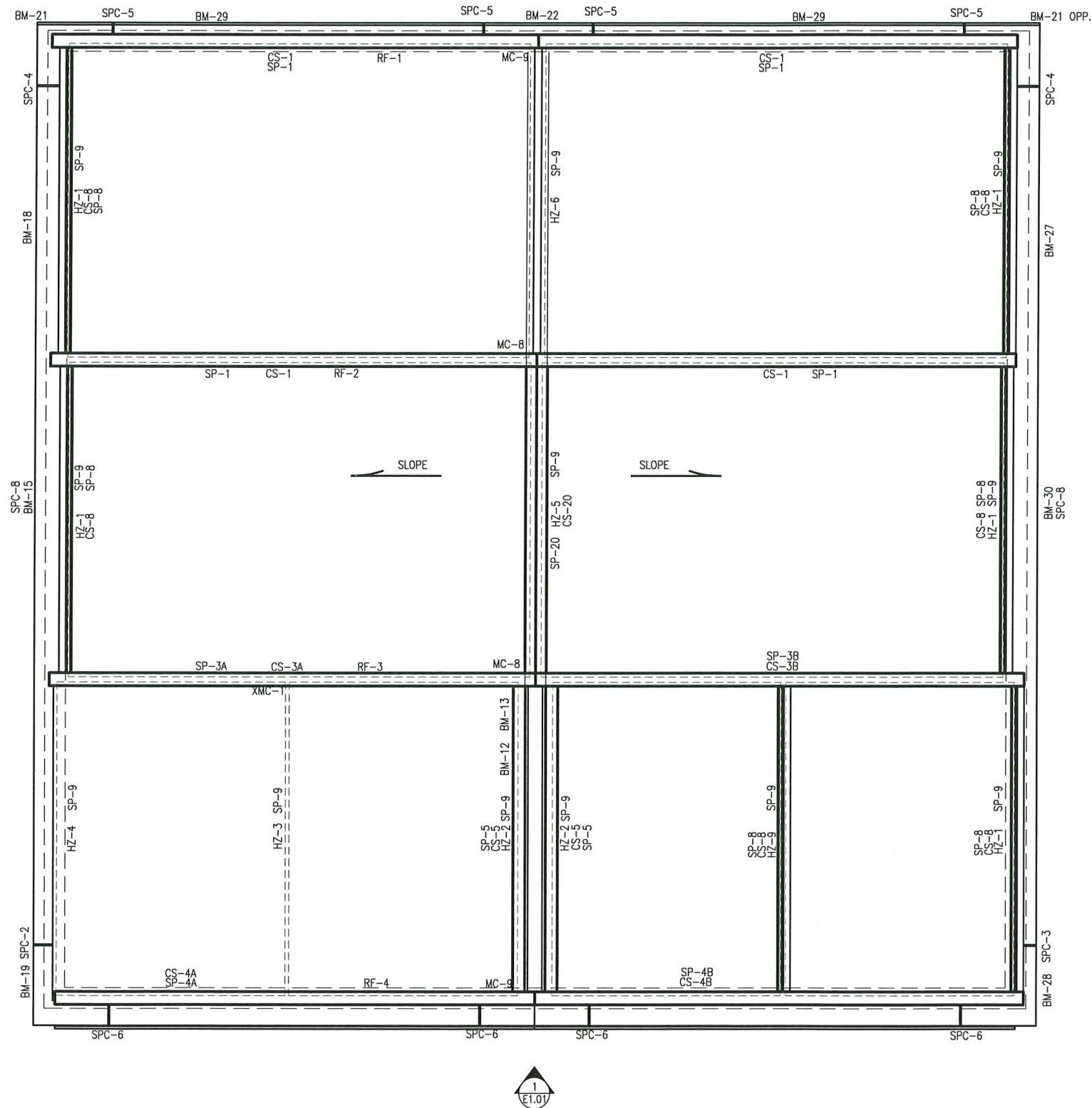
CALL-OUT NOTES

PAGE NAME:
SPECIMEN #1

PAGE:
P1.01

PAGE NUMBER:
4 OF 29

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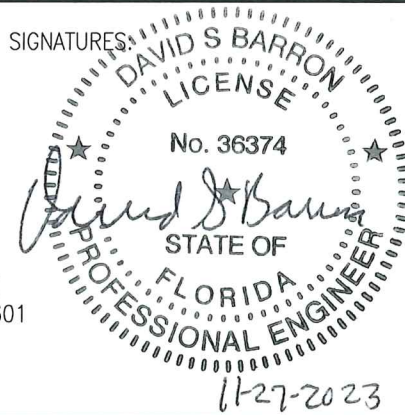


1
R1.01A

SPECIMEN #1 (RIDGE SKYLIGHT W/GABLE END) TAGS
ONE (1) REQ'D

SCALE: 1"=1'-0"

APPROVAL STAMPS & SIGNATURES:



DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374

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PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES

PAGE NAME:
SPECIMEN #1 TAG DRAWING

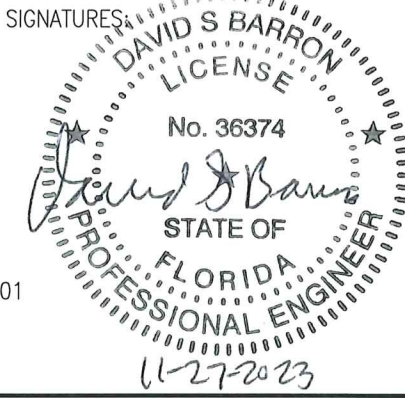
PAGE:
P1.01A

PAGE NUMBER:
5 OF 29

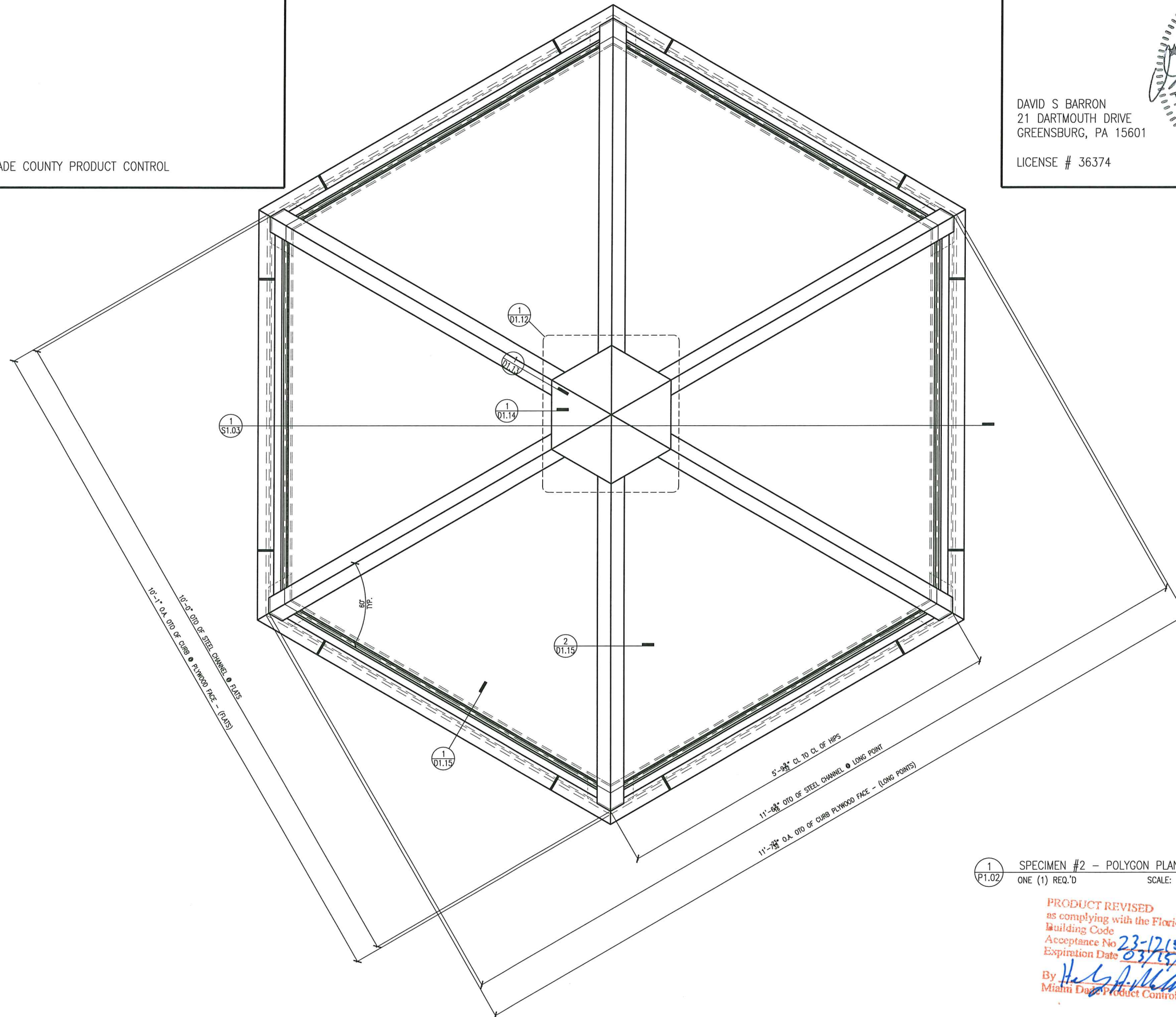
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1 SPECIMEN #2 - POLYGON PLAN VIEW
P1.02 ONE (1) REQ'D SCALE: 1-1/2"=1'-0"

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PAGE: PAGE NUMBER:
P1.02 6 OF 29

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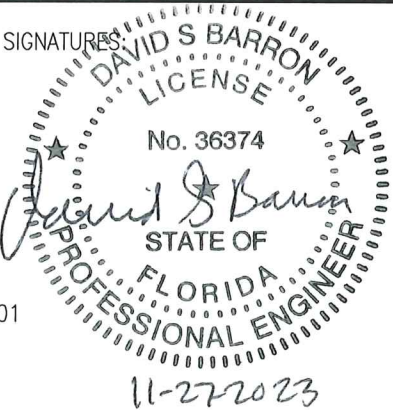
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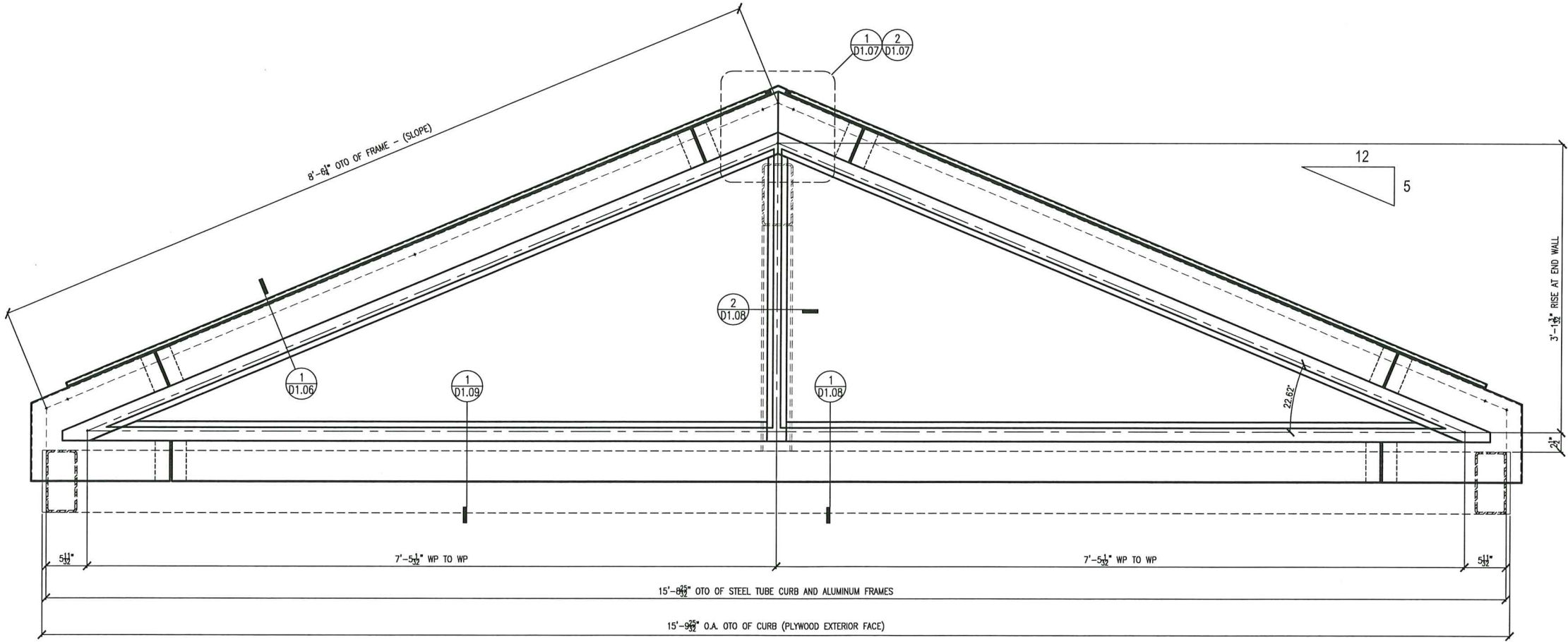


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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023
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1 SPECIMEN #1 GABLE END ELEVATION
E1.01 SCALE: 1-1/2"=1'-0"

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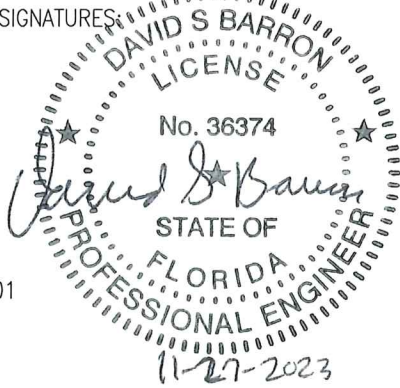
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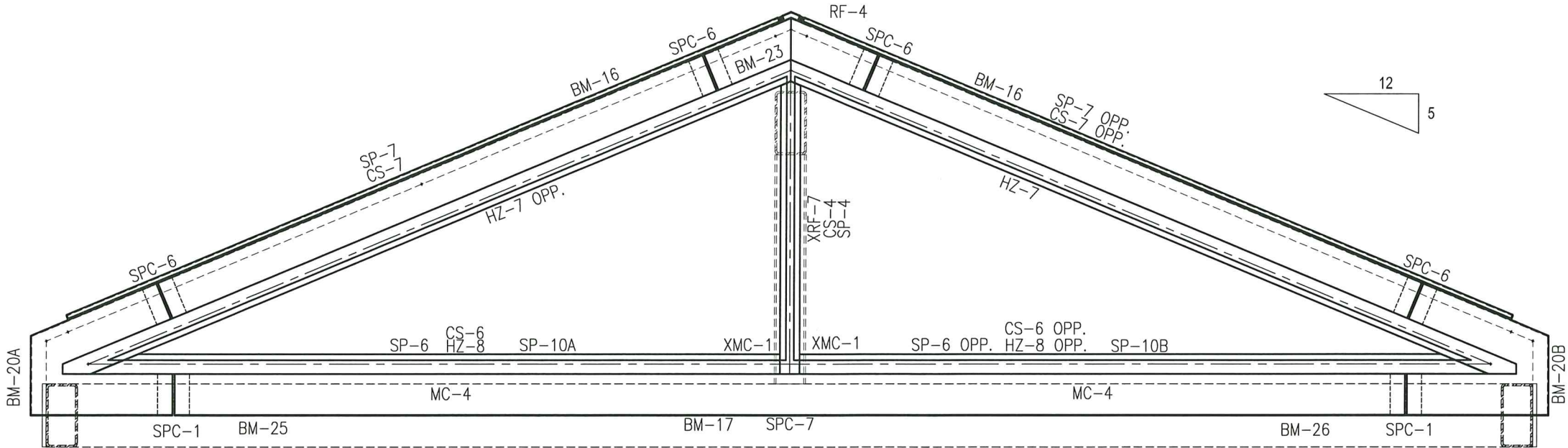
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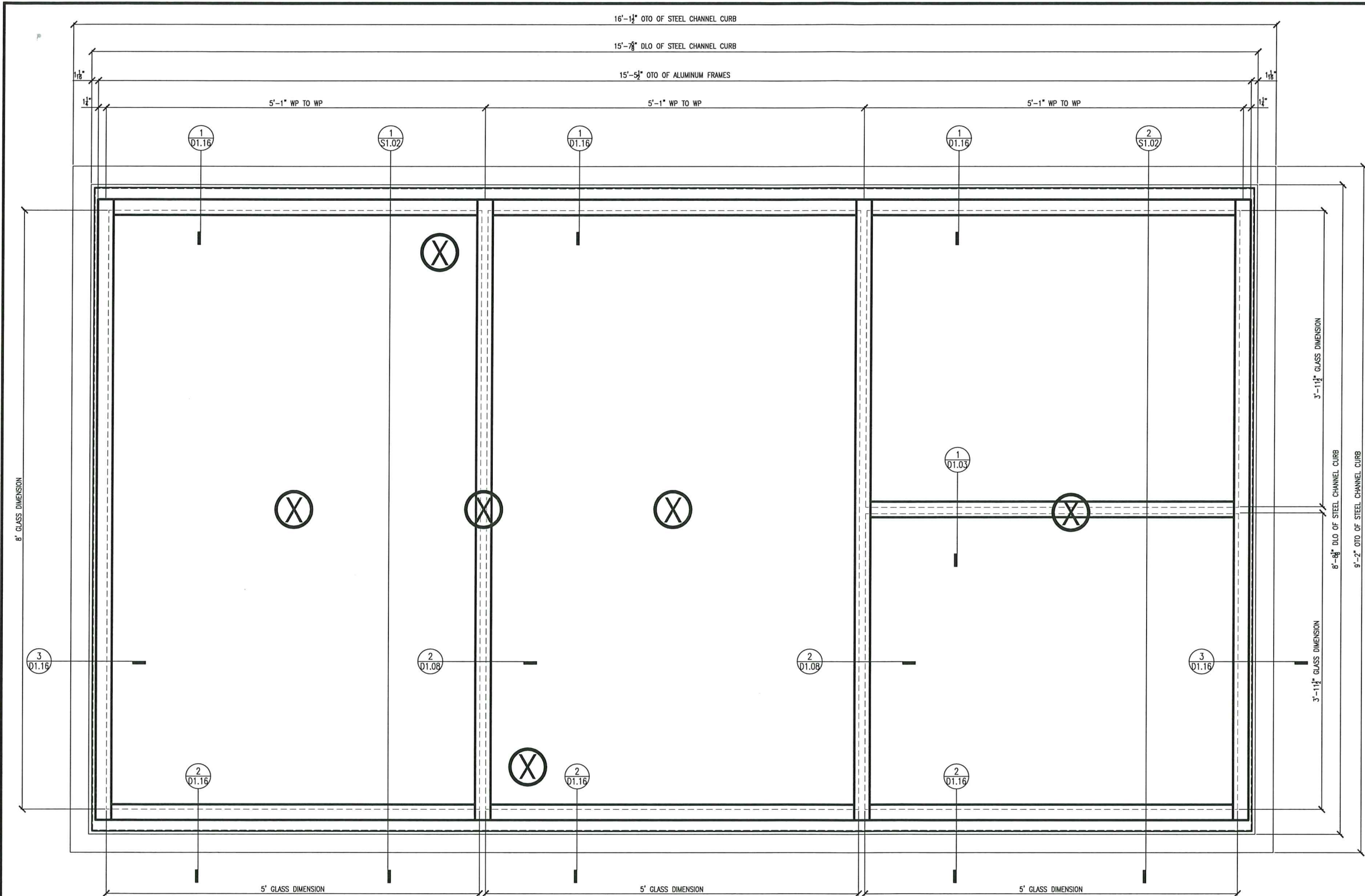
PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023
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1
E1.01A SPECIMEN #1 GABLE END ELEVATION TAGS
SCALE: 1-1/2"=1'-0"

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1 SPECIMEN #3 ELEVATION
E1.02 ONE (1) REQ.'D SCALE: 1-1/2"=1'-0"

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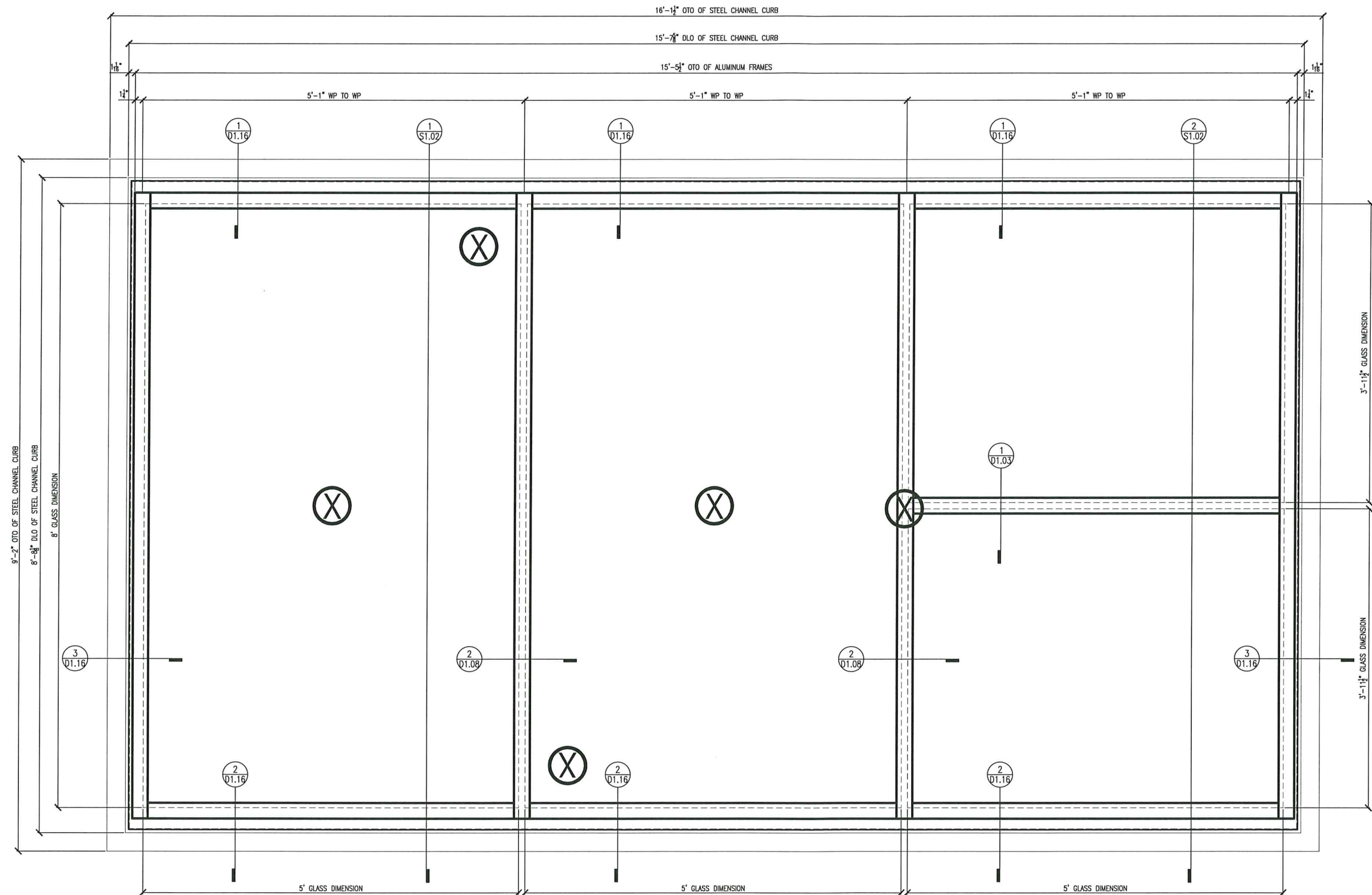
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STATE OF
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PROFESSIONAL ENGINEER
11-27-2023

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PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023
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PAGE NAME: SPECIMEN #3
PAGE: E1.02
PAGE NUMBER: 9 OF 29

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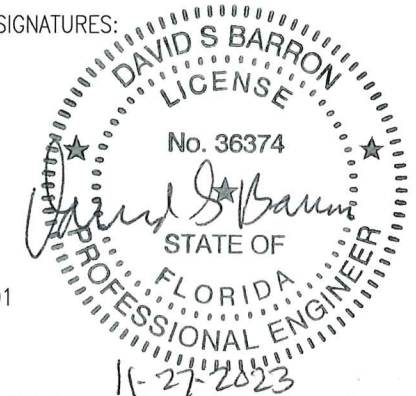
1
E1.03 SPECIMEN #4 ELEVATION
ONE (1) REQ'D SCALE: 1-1/2"=1'-0"

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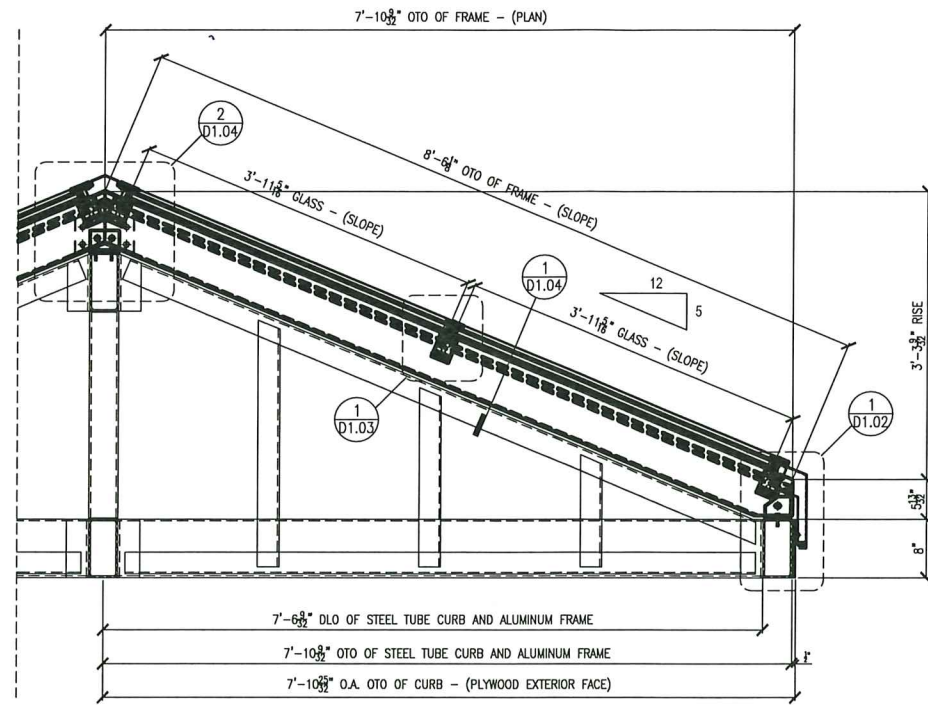


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PROJECT MANAGER: JIM WILLIAMS
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DATE: 11.15.2023
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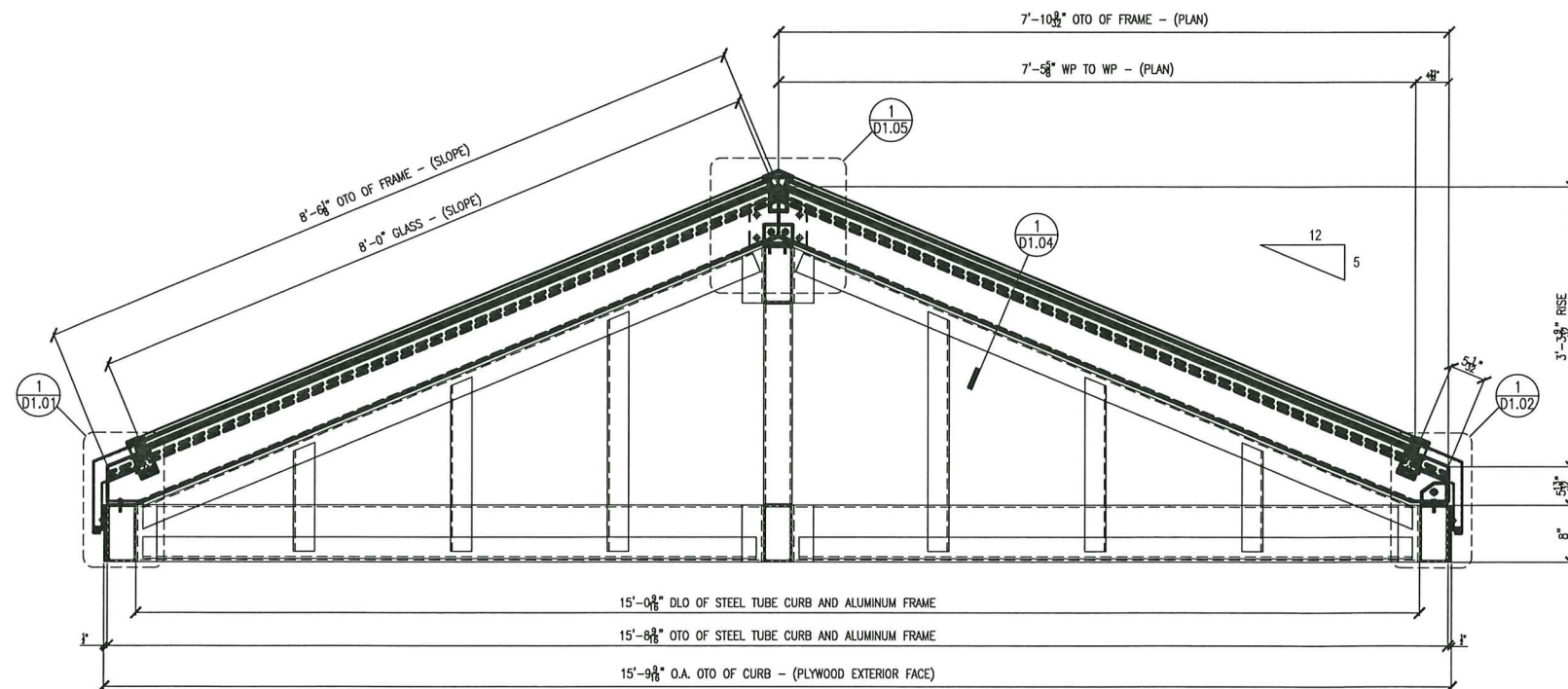
PAGE NAME: SPECIMEN #4

PAGE: E1.03
PAGE NUMBER: 10 OF 29

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

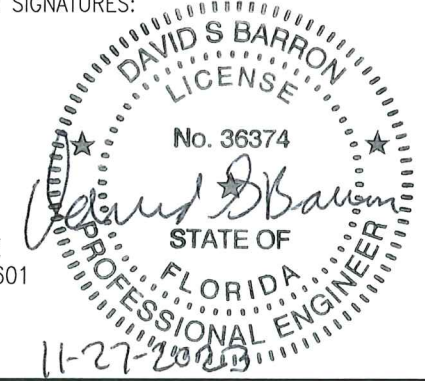


2 SPECIMEN #1 SECTION
SCALE: 1"=1'-0"

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PROJECT MANAGER: JIM WILLIAMS

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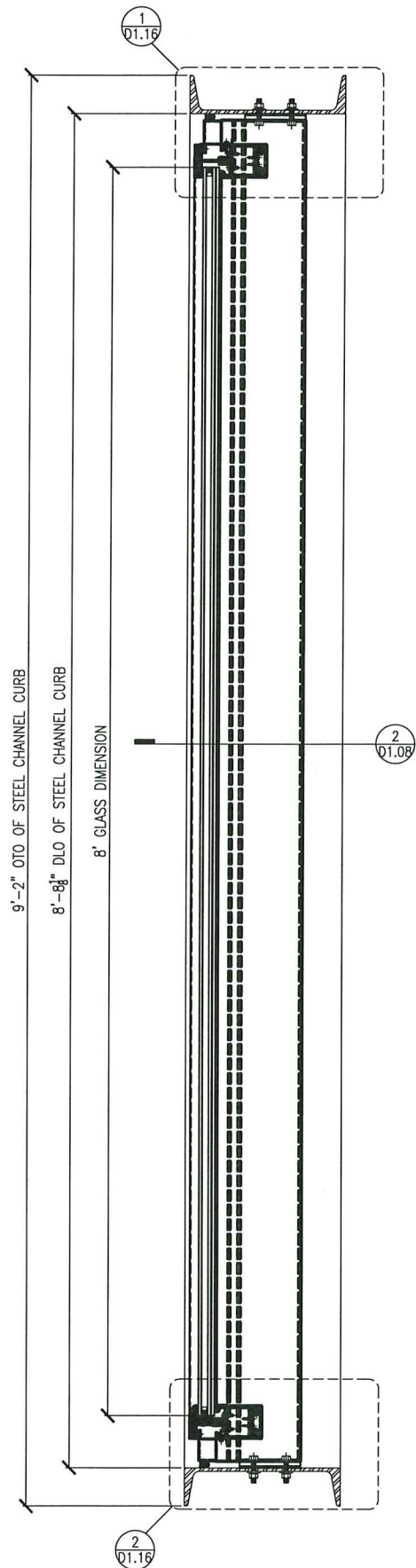
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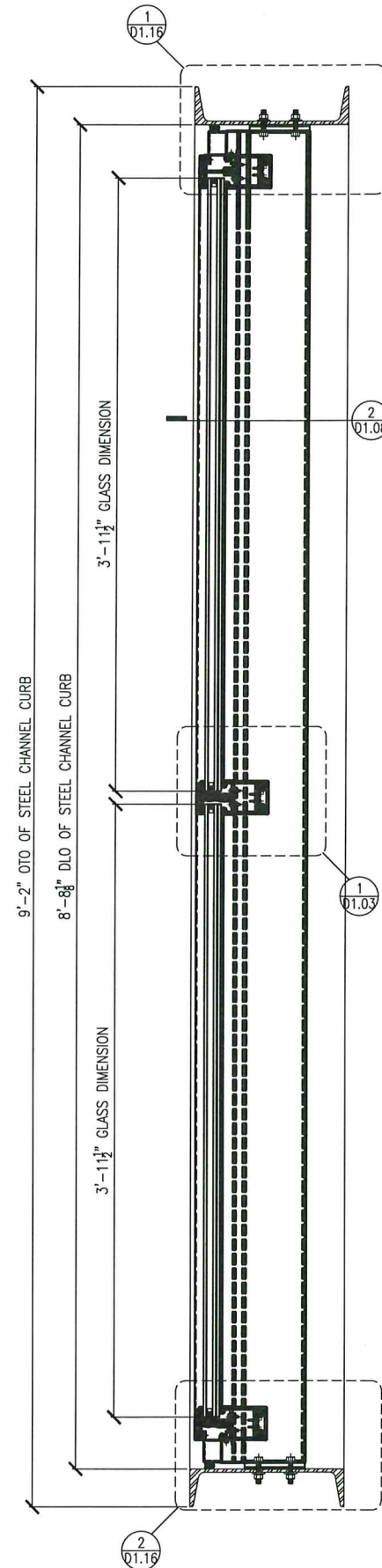
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PAGE NAME: SPECIMEN #1 SECTIONS
PAGE: S1.01
PAGE NUMBER: 11 OF 29

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1
S1.02 SPECIMENS #3 & #4 TYPICAL SECTION VIEW
SCALE: 2"=1'-0"

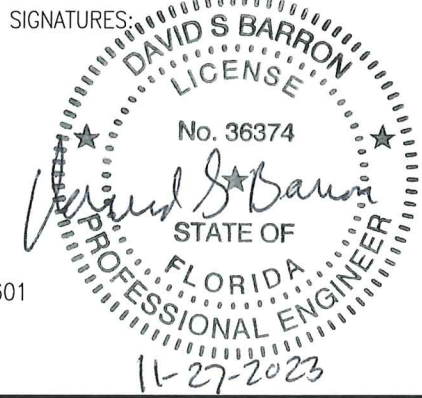


2
S1.02 SPECIMEN #3 & #4 SECTION VIEW
SCALE: 2"=1'-0"

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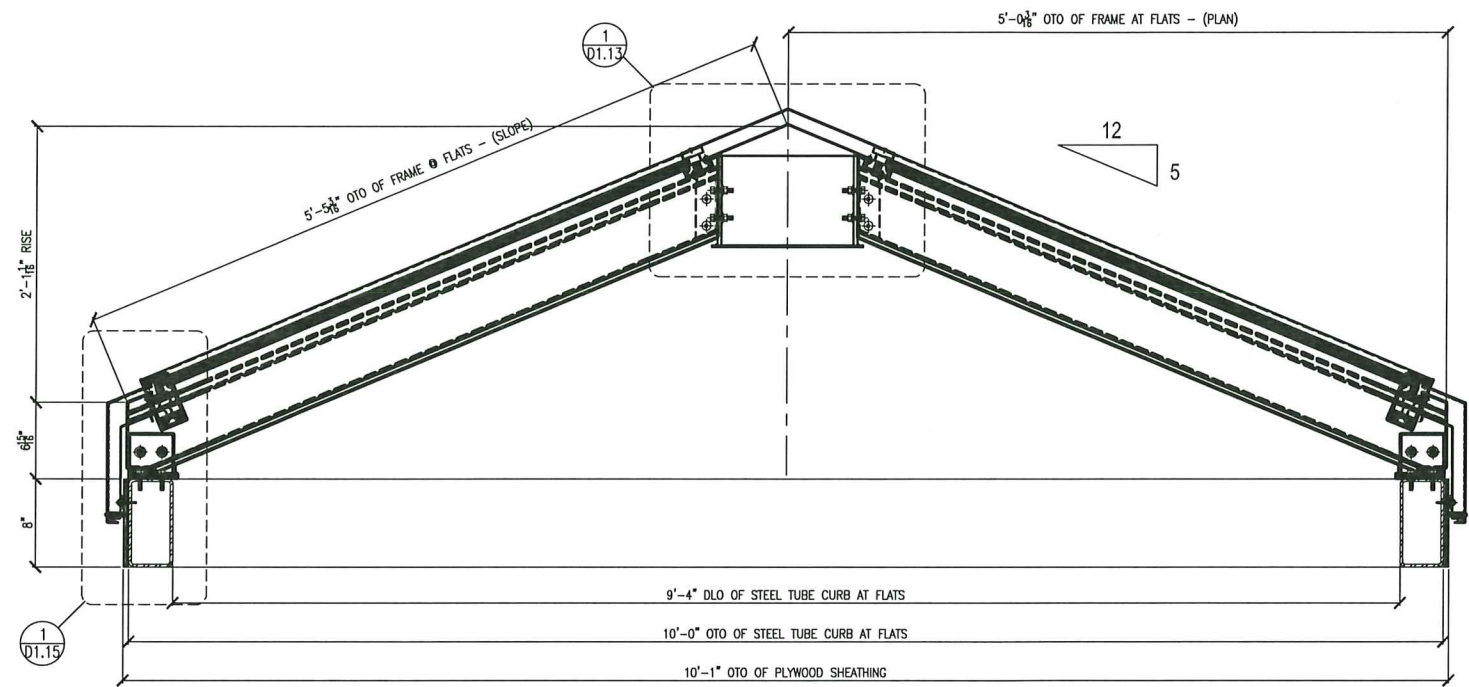
DATE:
11.15.2023

CALL-OUT NOTES

PAGE NAME:
SPECIMENS #5 & #6
SECTIONS

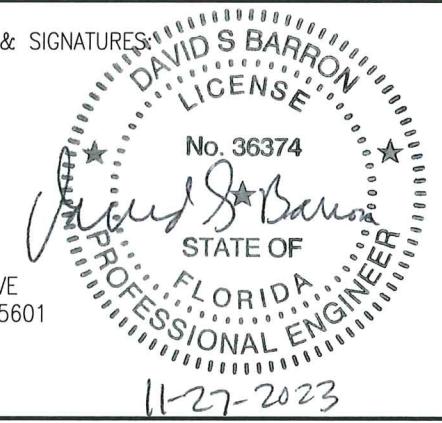
PAGE: S1.02
PAGE NUMBER:
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1
S1.03 SPECIMEN #2 - POLYGON SECTION
SCALE: 1-1/2"=1'-0"

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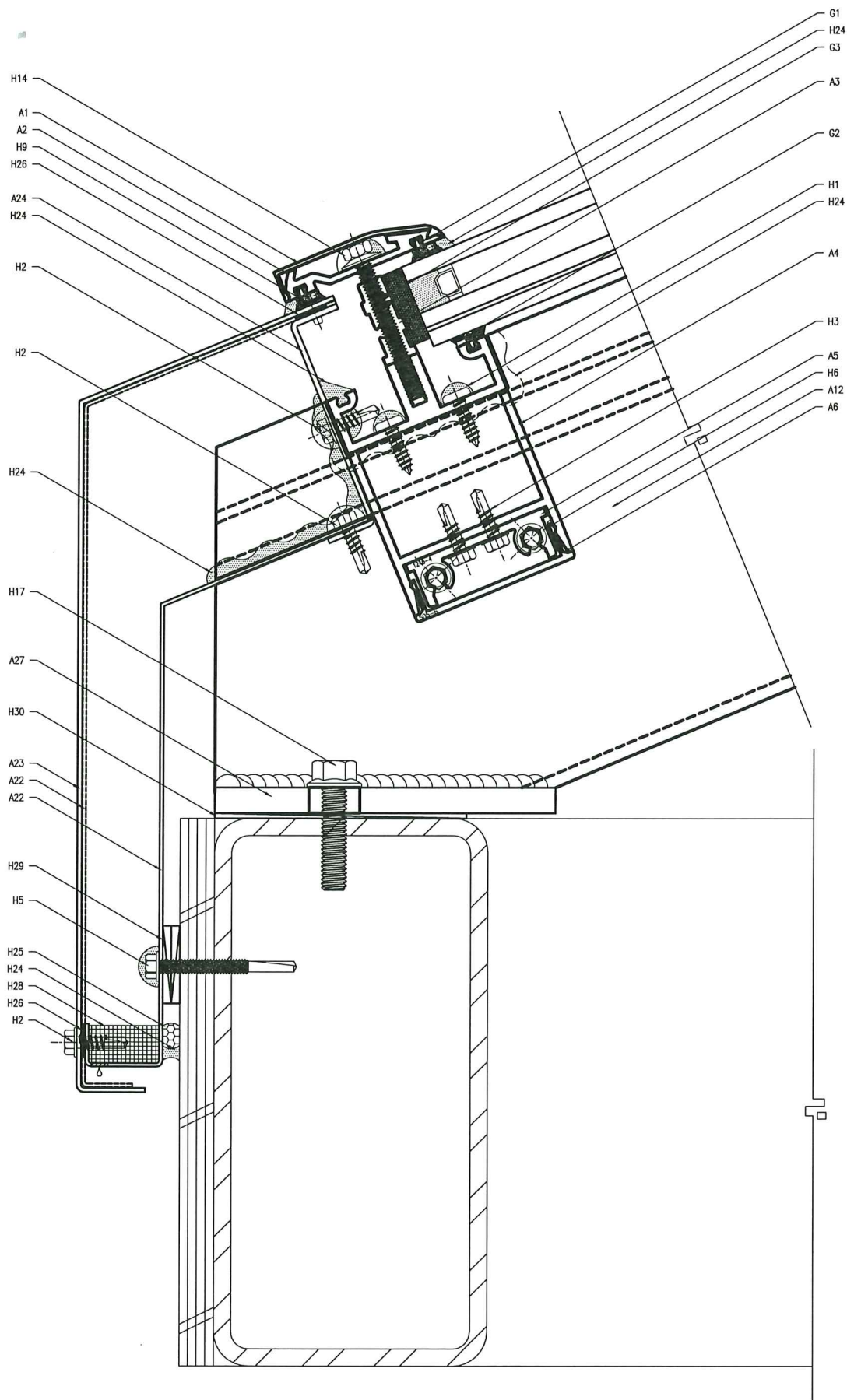
1/S1.03
SMALL MISSILE, LAMINATED GLASS MAKEUP - DETAIL AS SHOWN
LARGE MISSILE, INSULATED LAMINATED GLASS MAKEUP - DETAIL SIMILAR



PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS
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DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023
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PAGE NAME: SPECIMEN #2 SECTION
PAGE: S1.03 PAGE NUMBER: 13 OF 29

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1
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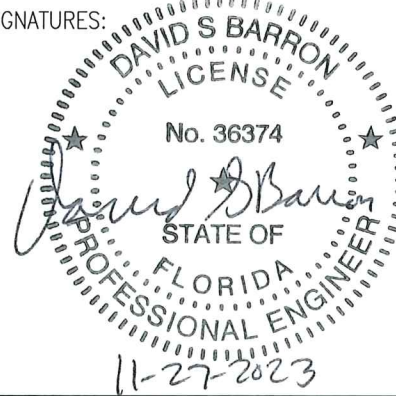
SILL HORIZONTAL WITH COMPRESSION STRIP

SCALE: 1:1

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PROJECT MANAGER:
JIM WILLIAMS

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CALL-OUT NOTES

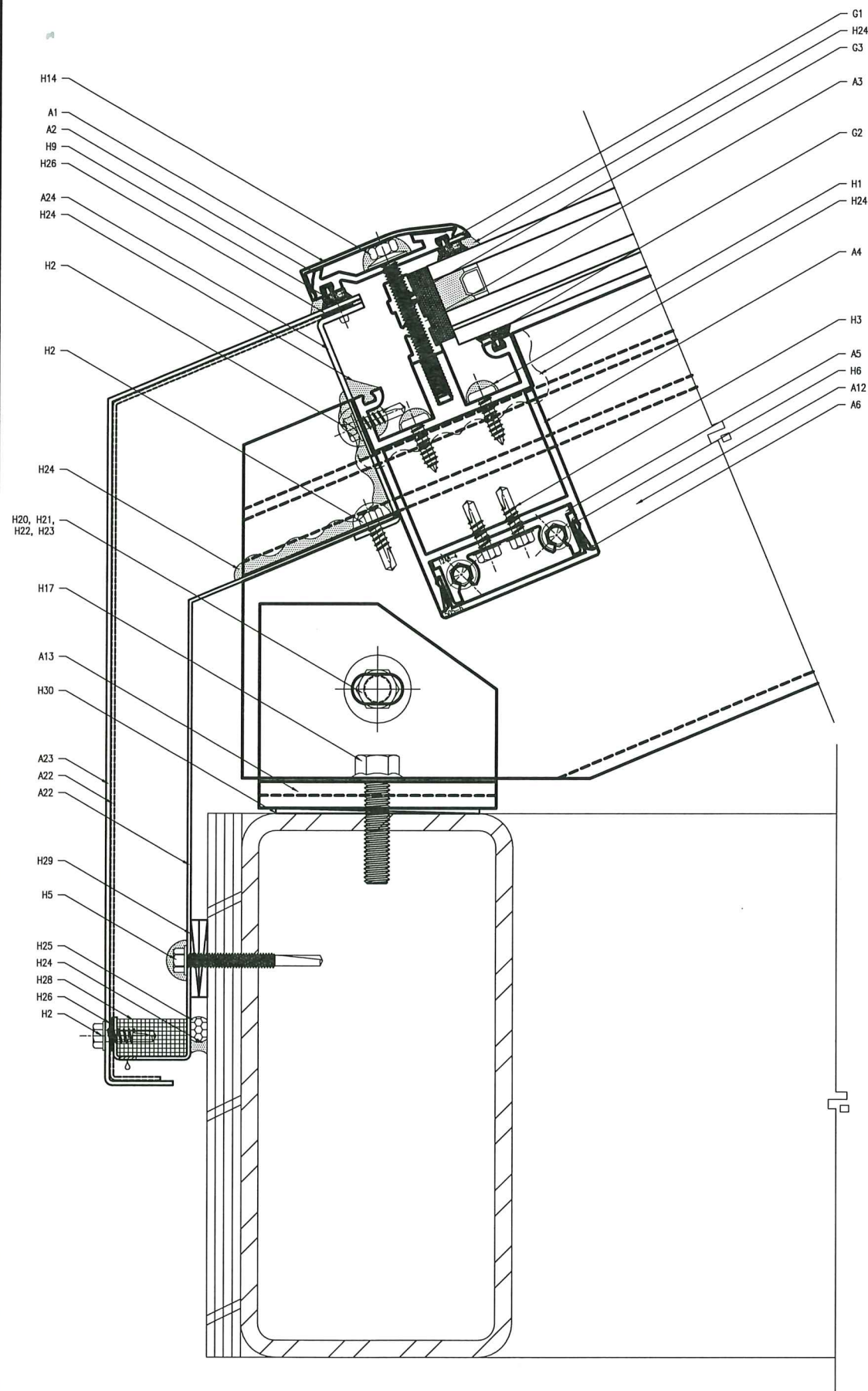
- A1 SP-45 EXTRUDED ALUMINUM SNAP
PIECE FOR CAPTURED HORIZONTAL
A2 CS-37 EXTRUDED ALUMINUM
COMPRESSION STRIP FOR CAPTURED
HORIZONTAL
A3 M-125 EXTRUDED ALUMINUM SETTING
BLOCK CHAIR, 4" LENGTH, AT
QUARTER POINTS
A4 H-85 EXTRUDED ALUMINUM
HORIZONTAL FOR CAPTURED JOINT
A5 1248-4 EXTRUDED ALUMINUM SHEAR
BLOCK
A6 505-8 EXTRUDED ALUMINUM INTERIOR
SNAP PIECE (NOT USED FOR
TESTING)
A12 SR-40 EXTRUDED ALUMINUM RAFTER
FOR CAPTURED JOINT
A22 0.050" ALUMINUM
A23 0.063" ALUMINUM
A24 0.080" ALUMINUM
A27 3/8" WELDED BASE PLATE WITH 3/8"
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 3/8" DIAMETER ALUMINUM POP RIVET
WITH 1/2" GRIP SPACED AS NEEDED
H14 1/4-20 X 2 1/4" TYPE 316 STAINLESS
STEEL HEX HEAD MS & NED WASHER
WITH DOW 795 SPACED AT 6" ON
CENTER
H17 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)
H24 DOW 795 SILICONE SEALANT
H25 BACKER ROD
H26 NORTON TAPE
H28 WEEP BAFFLE
H29 PLASTIC SHIMS
H30 ALUMINUM SHIMS

PAGE NAME:
DETAILS

PAGE:
D1.01

PAGE NUMBER:
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1
D1.02

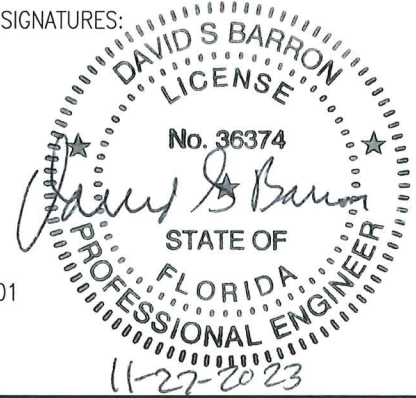
SILL HORIZONTAL WITH COMPRESSION STRIP

SCALE: 1:1

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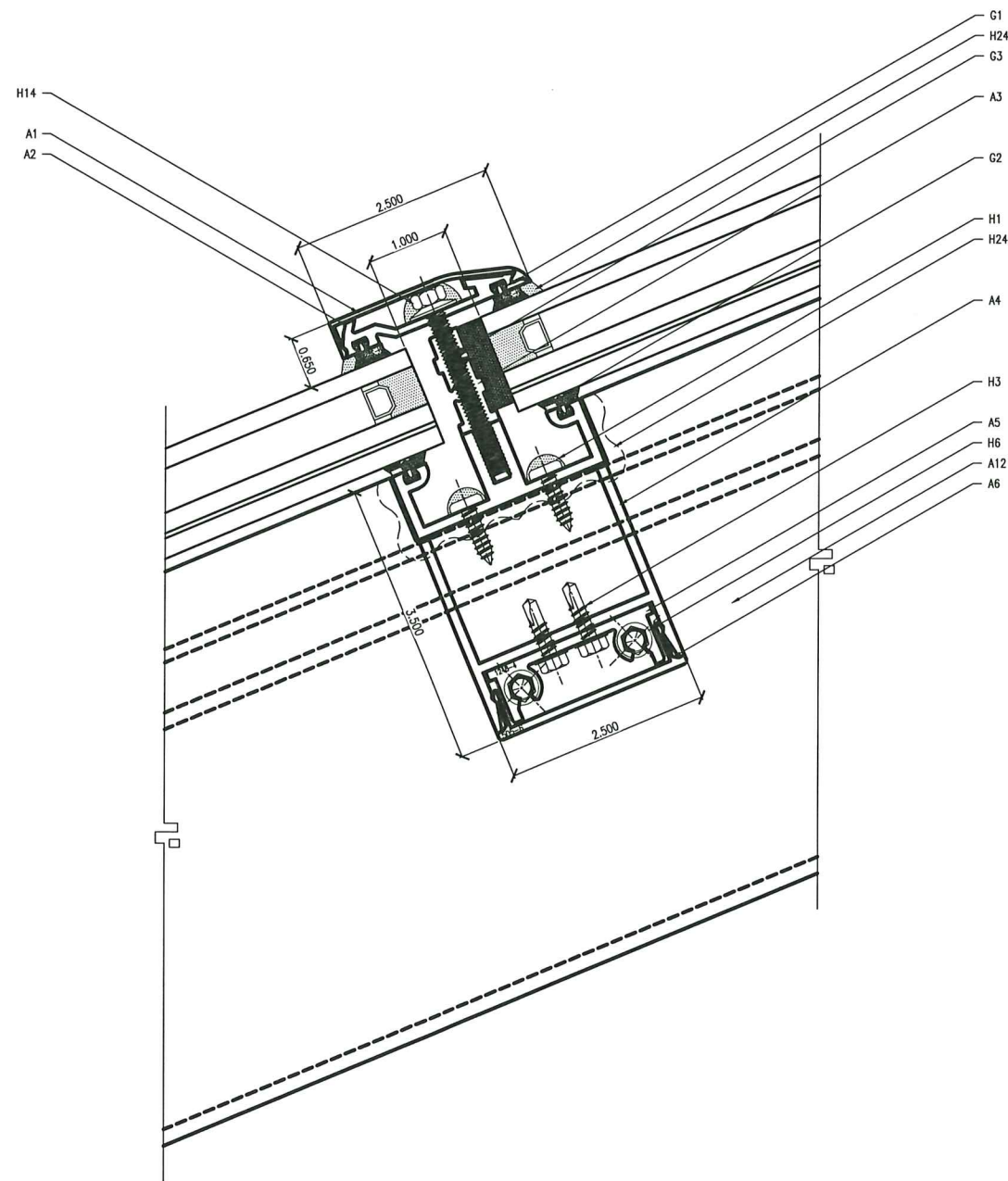
CALL-OUT NOTES

- 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-65 EXTRUDED ALUMINUM
HORIZONTAL FOR CAPTURED JOINT
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A6 SCS-6 EXTRUDED ALUMINUM INTERIOR
SNAP PIECE (NOT USED FOR TESTING)
A12 SR-40 EXTRUDED ALUMINUM RAFTER
FOR CAPTURED JOINT
A13 SC-8 EXTRUDED ALUMINUM SADDLE
CLIP WITH 3/4" HORIZONTAL SLOT AT
RAFTER CONNECTION
A22 0.050" ALUMINUM
A23 0.063" ALUMINUM
A24 0.080" ALUMINUM
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 1/4" ZINC-PLATED STEEL HEX
WASHER HEAD TYPE AB
H9 3/16" DIAMETER ALUMINUM POP RIVET
WITH 1/4" GRIP SPACED AS NEEDED
H14 1/4-20 X 2 1/4" TYPE 316 STAINLESS
STEEL HEX HEAD MS & NEO WASHER
WITH DOW 795 SPACED AT 6" ON
CENTER
H17 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)
H20 3/8-16 X 4" ZINC-PLATED STEEL HEX
HEAD CAP SCREW (GRADE 5 OR
BETTER)
H21 3/4" INNER DIAMETER ZINC-PLATED
STEEL WASHER (GRADE 5 OR BETTER)
H22 3/4" INNER DIAMETER ZINC-PLATED
STEEL LOCK WASHER (GRADE 5 OR
BETTER)
H23 3/4-16 ZINC-PLATED STEEL NUT
(GRADE 5 OR BETTER)
H24 DOW 795 SILICONE SEALANT
H25 BACKER ROD
H26 NORTON TAPE
H28 WEEP BAFFLE
H29 PLASTIC SHIMS
H30 ALUMINUM SHIMS

PAGE NAME:
DETAILS

PAGE: 15 OF 29
D1.02

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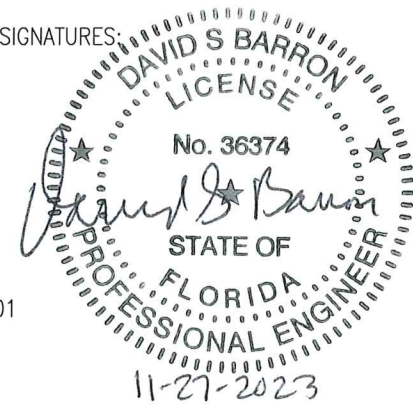


1 INTERMEDIATE HORIZONTAL WITH COMPRESSION STRIP
D1.03 SCALE: 1:1

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 23-1215.09
Expiration Date 03/15/2028
By *Healy A. Healy*
Miami Dade Product Control

LINEL

101 LINEL DRIVE
MOORESVILLE, IN 46158

P: 317.831.5314
F: 317.831.9280
www.lineel.co



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-65 EXTRUDED ALUMINUM
HORIZONTAL FOR CAPTURED JOINT
A5 1248-4 EXTRUDED ALUMINUM SHEAR
BLOCK
A6 505-6 EXTRUDED ALUMINUM INTERIOR
SNAP PIECE (NOT USED FOR
TESTING)
A12 SR-40 EXTRUDED ALUMINUM RAFTER
FOR CAPTURED JOINT
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 3/4" ZINC-PLATED STEEL HEX
WASHER HEAD TEX #3
H6 #14 X 1 1/2" ZINC-PLATED STEEL HEX
WASHER HEAD TYPE AB
H14 1/2"-20 X 2 1/4" TYPE 316 STAINLESS
STEEL HEX HEAD MS & NEO WASHER
WITH DOW 795 SPACED AT 6" ON
CENTER
H24 DOW 795 SILICONE SEALANT

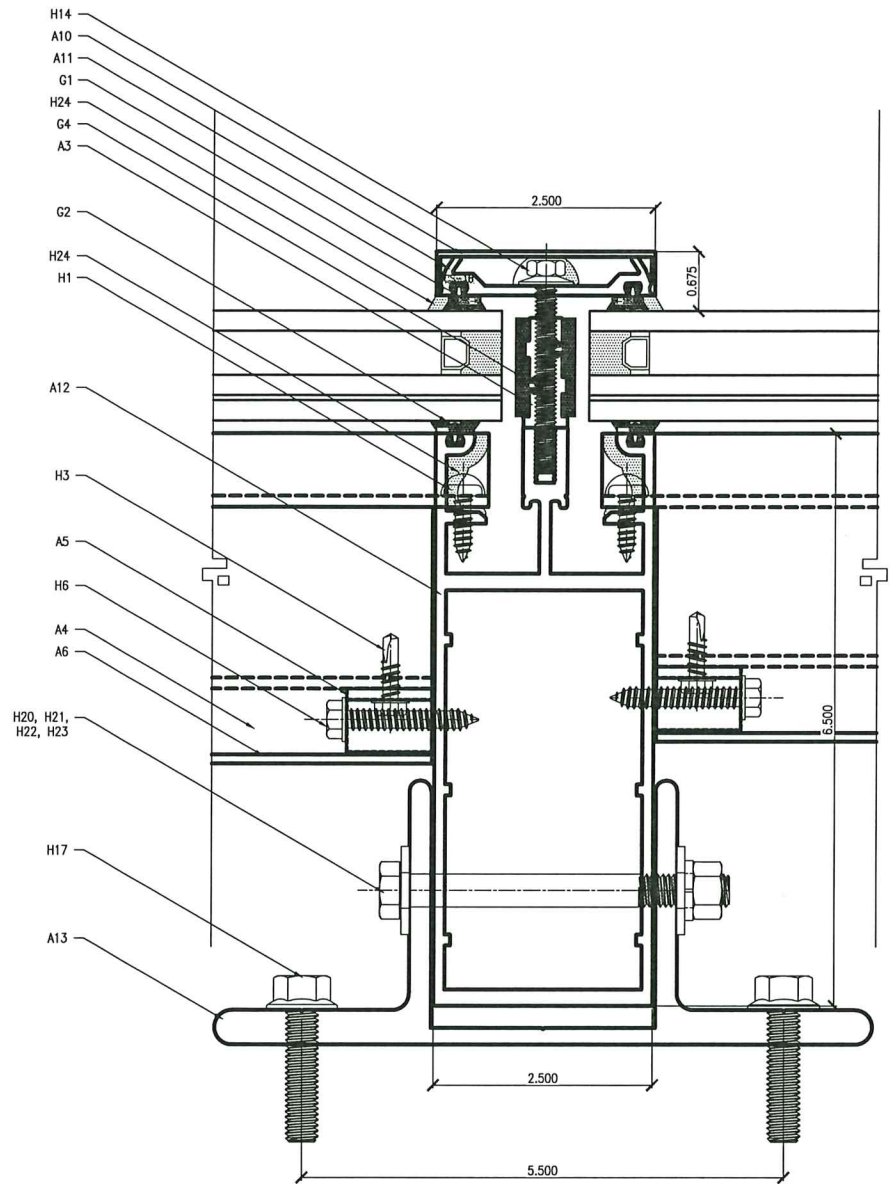
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PAGE: D1.03
PAGE NUMBER:
16 OF 29

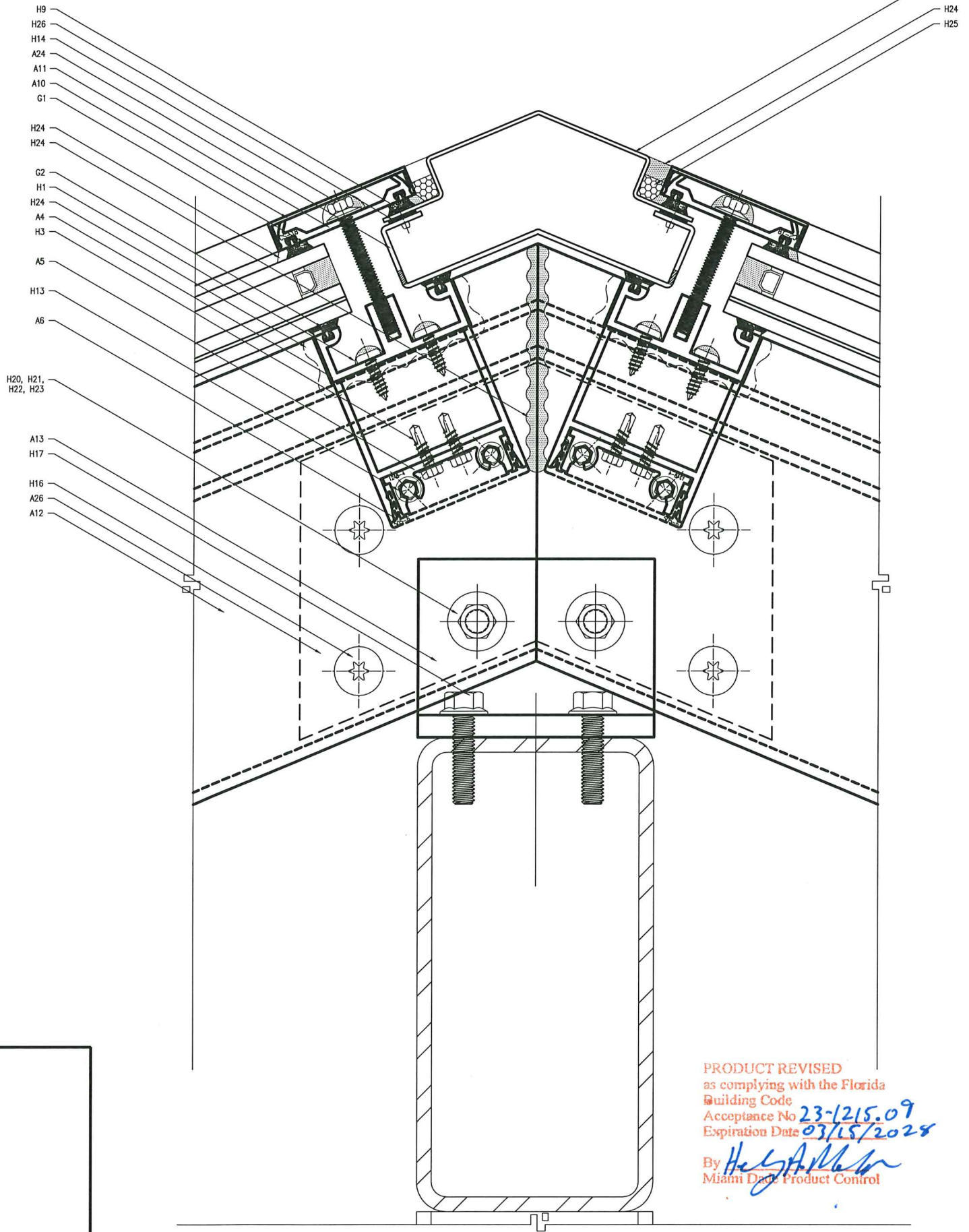
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CALL-OUT NOTES

- 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
- A6 505-8 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
- A10 SP-11 EXTRUDED ALUMINUM SNAP PIECE
- A11 CS-18 EXTRUDED ALUMINUM COMPRESSION STRIP
- A12 SR-40 EXTRUDED ALUMINUM RAFTER FOR CAPTURED JOINT
- A13 SC-8 EXTRUDED ALUMINUM SADDLE CLIP WITH 3/4" HORIZONTAL SLOT AT RAFTER CONNECTION
- A23 0.063" ALUMINUM
- A24 0.080" ALUMINUM
- A26 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 3/8" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED
- H13 1/2" X 20 X 2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE F
- H14 1/2" X 20 X 2 1/2" TYPE 316 STAINLESS STEEL HEX HEAD MS & NED WASHER WITH DOW 795 SPACED AT 6" ON CENTER
- H16 3/8" X 1" ZINC-PLATED STEEL T-40 TORX HEAD (GRADE 5 OR BETTER)
- H17 3/8" X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8"-16 X 2 HEX WASHER HEAD TYPE F)
- H20 3/8" X 16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)
- H21 3/4" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
- H22 3/4" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
- H23 3/4" X 16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
- H24 DOW 795 SILICONE SEALANT
- H25 BACKER ROD
- H26 NORTON TAPE



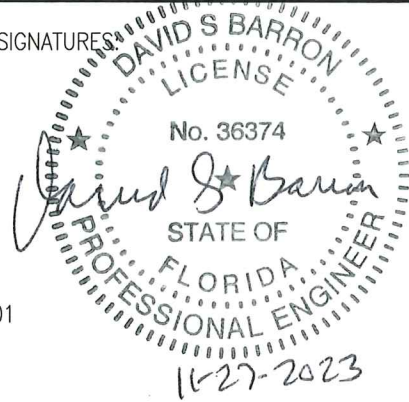
1 RAFTER WITH COMPRESSION STRIP
SCALE: 1:1



2 RIDGE WITH COMPRESSION STRIPS
SCALE: 1:1

PRODUCT REVISED
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Expiration Date 03/15/2028
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Miami Dade Product Control

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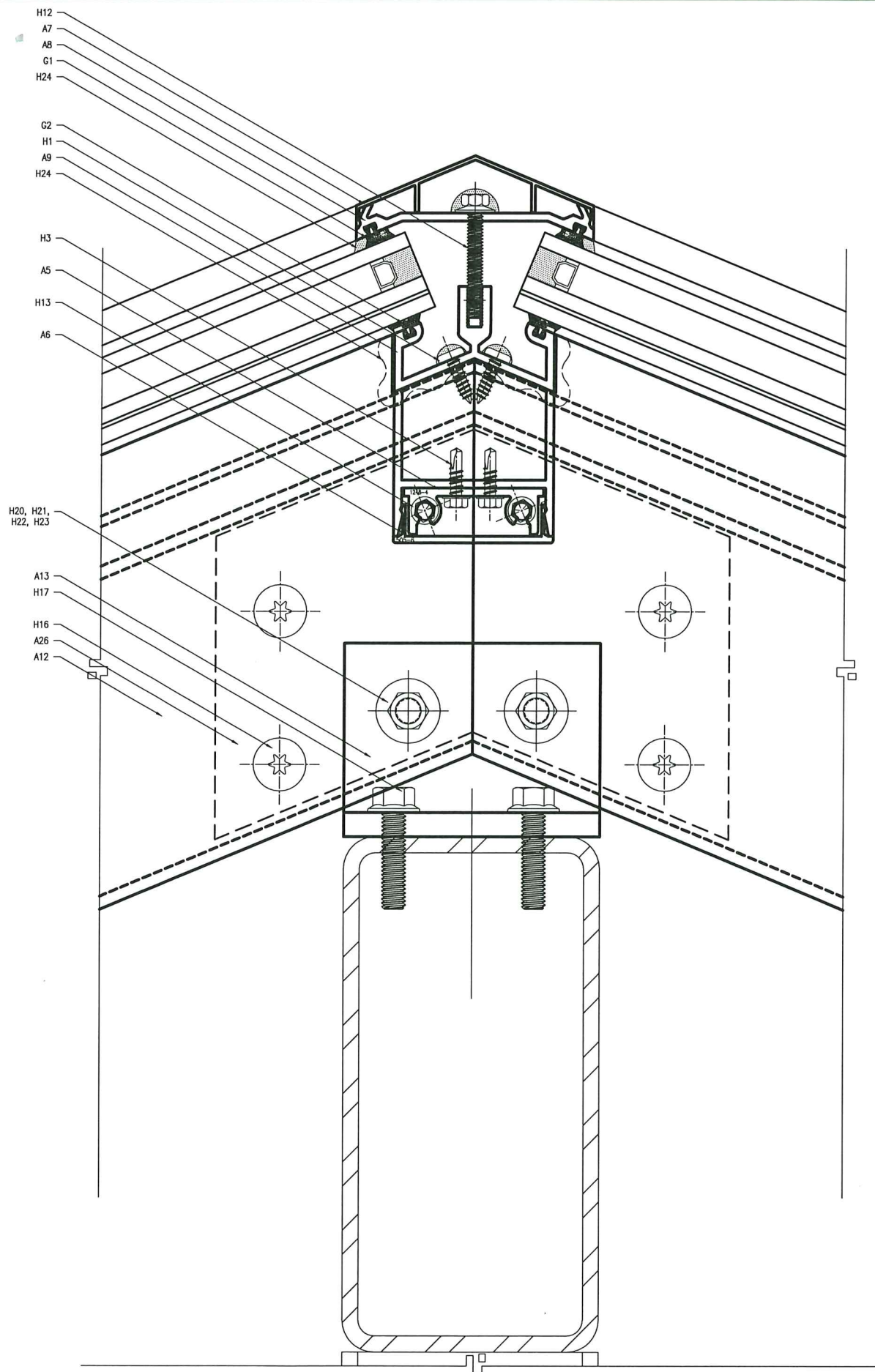


DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374

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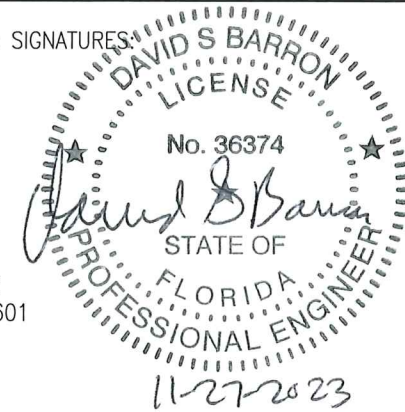


1 RIDGE WITH COMPRESSION STRIPS
D1.05 SCALE: 1:1

APPROVAL STAMPS & SIGNATURES:

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21 DARTMOUTH DRIVE
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TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES

- A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK
- A6 505-6 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
- A7 SP-46 EXTRUDED ALUMINUM RIDGE SNAP PIECE
- A8 CS-38 EXTRUDED ALUMINUM RIDGE COMPRESSION STRIP
- A9 H-67 EXTRUDED ALUMINUM RIDGE HORIZONTAL FOR CAPTURED JOINT
- A12 SR-40 EXTRUDED ALUMINUM RAFTER
- A13 SC-8 EXTRUDED ALUMINUM SADDLE CLIP
- A26 1/2" ALUMINUM SPLICE PLATE
- G1 N-28S SILICONE GASKET
- G2 N-18S SILICONE GASKET
- 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
- H12 1/2-20 X 1 3/4" TYPE 316 STAINLESS STEEL HEX HEAD MS & NEO WASHER WITH DOW 795 SILICONE SEALANT SPACED AT 6" ON CENTER
- H13 1/2-20 X 2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE F
- H16 3/4-16 X 1" ZINC-PLATED STEEL T-40 TORX HEAD SCREW
- H17 3/4-16 X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8-16 X 2 HEX WASHER HEAD TYPE F)
- H20 3/4-16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)
- H21 3/4" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
- H22 3/4" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
- H23 3/4-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
- H24 DOW 795 SILICONE SEALANT

PAGE NAME:
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PAGE NUMBER: 18 OF 29

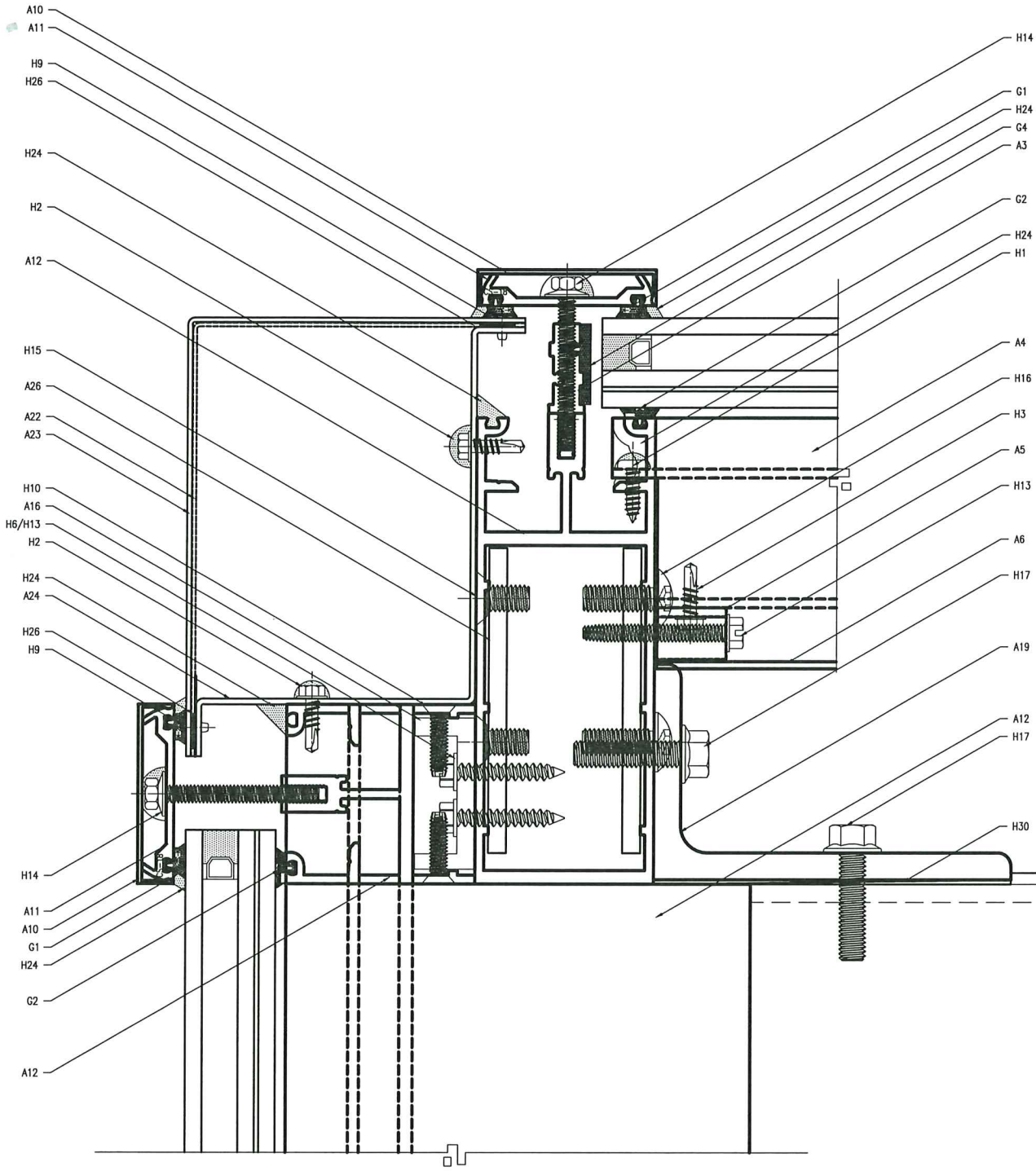
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CALL-OUT NOTES

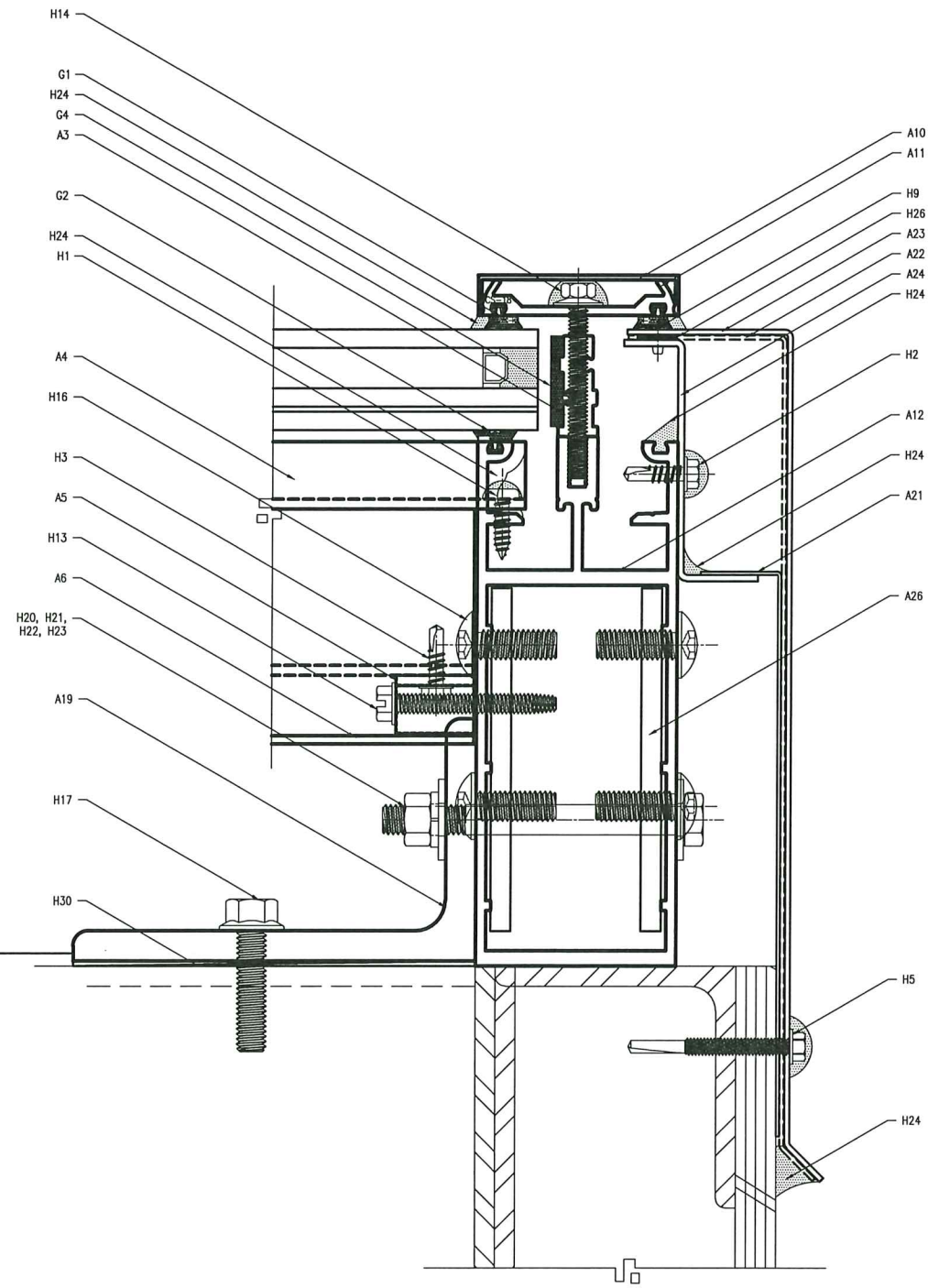
- A3 M-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 4" LENGTH, AT UPPER QUARTER POINTS
- A4 H-85 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
- A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK
- A6 505-8 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
- A12 SR-40 EXTRUDED ALUMINUM RAFTER FOR CAPTURED JOINT
- A16 M-100 EXTRUDED ALUMINUM CHANNEL
- A19 3" X 5" X 3/8" 6061-T6 EXTRUDED ALUMINUM STRUCTURAL ANGLE WITH 4" LENGTH
- A21 0.040" ALUMINUM
- A22 0.050" ALUMINUM
- A23 0.063" ALUMINUM
- A24 0.080" ALUMINUM
- A26 1/2" 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 WITH DOW 795 SILICONE SEALANT, SPACED AT 12" ON CENTER
- H8 #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 1" ZINC-PLATED STEEL PHILLIPS FLAT HEAD MACHINE SCREW TYPE F
- H11 1/2-20 X 2" ZINC-PLATED STEEL HEX WASHER HEAD TYPE F
- H14 1/2-20 X 2 1/2" TYPE 316 STAINLESS STEEL HEX HEAD MS & NEO WASHER WITH DOW 795 SILICONE SEALANT SPACED AT 6" ON CENTER
- H15 3/8-16 X 3/4" ZINC-PLATED STEEL PHILLIPS FLAT HEAD UNDERCUT MACHINE SCREW
- H16 3/8-16 X 1" ZINC-PLATED STEEL T-40 TORX HEAD SCREW
- H17 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)
- H20 3/8-16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)
- H21 3/8" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
- H22 3/8" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
- H23 3/8-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
- H24 DOW 795 SILICONE SEALANT
- H28 NORTON TAPE
- H30 ALUMINUM SHIMS

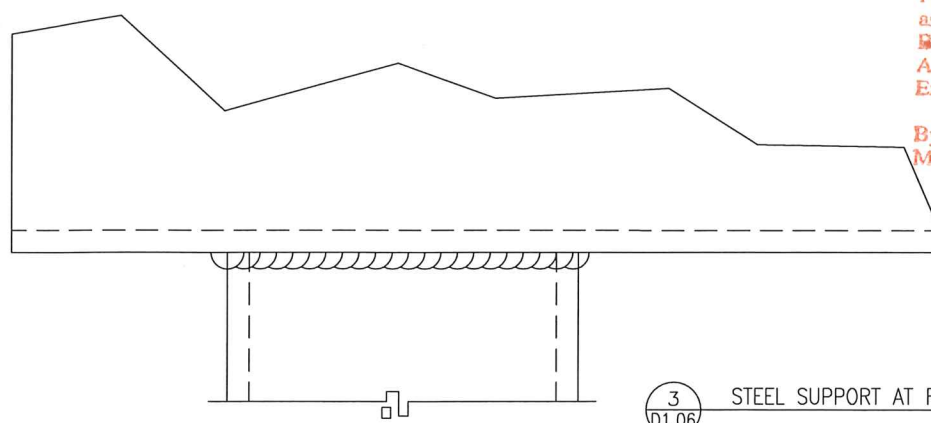


1 RAFTER @ CABLE END
D1.06 SCALE: 1:1



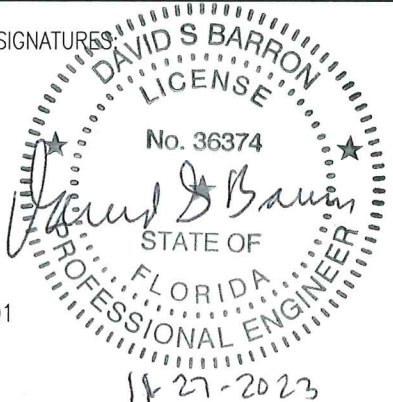
2 RAFTER @ PLYWOOD END
D1.06 SCALE: 1:1

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Expiration Date 03/15/2028
By *Hegda*
Miami Dade Product Control



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

APPROVAL STAMPS & SIGNATURES:

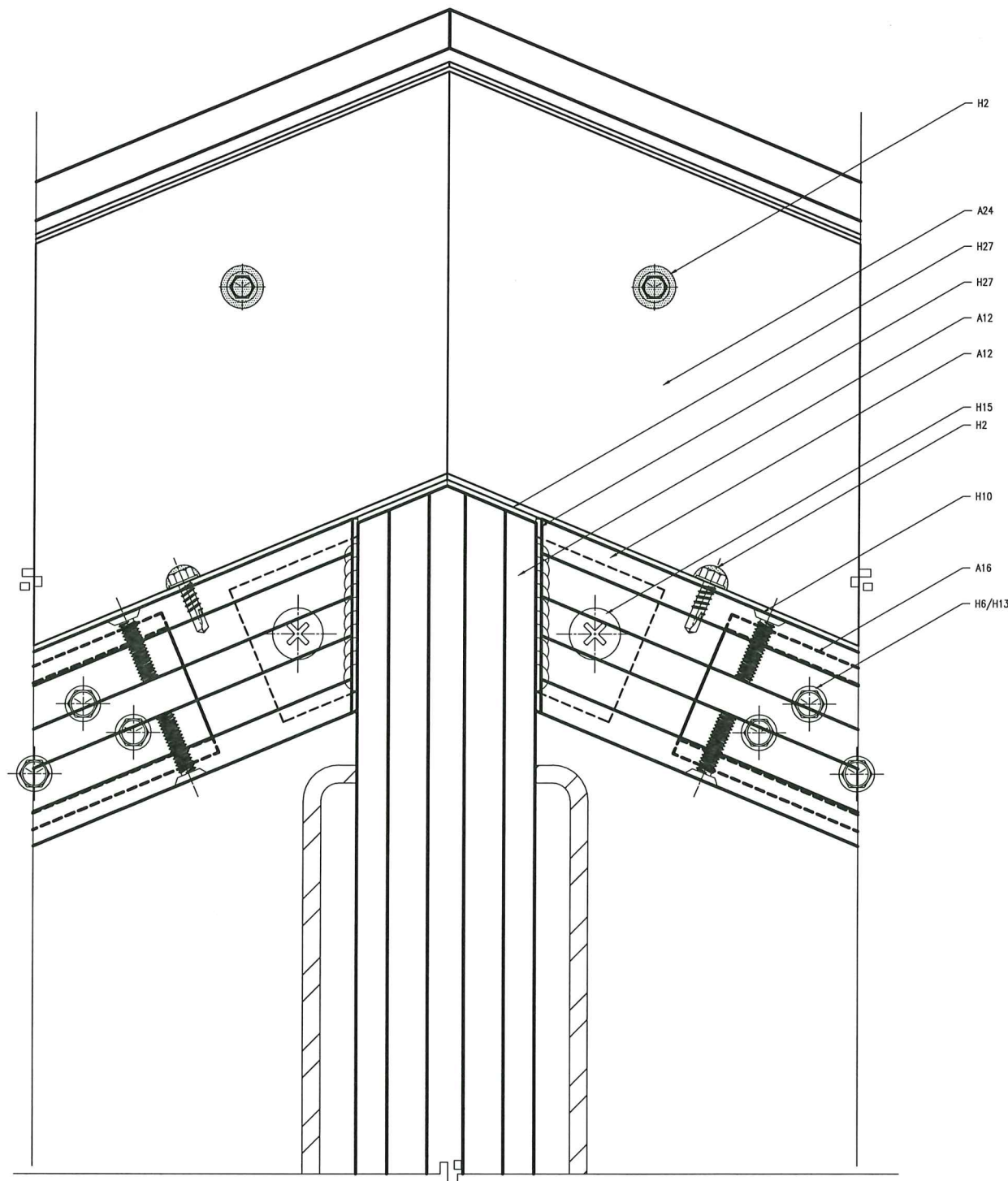


DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

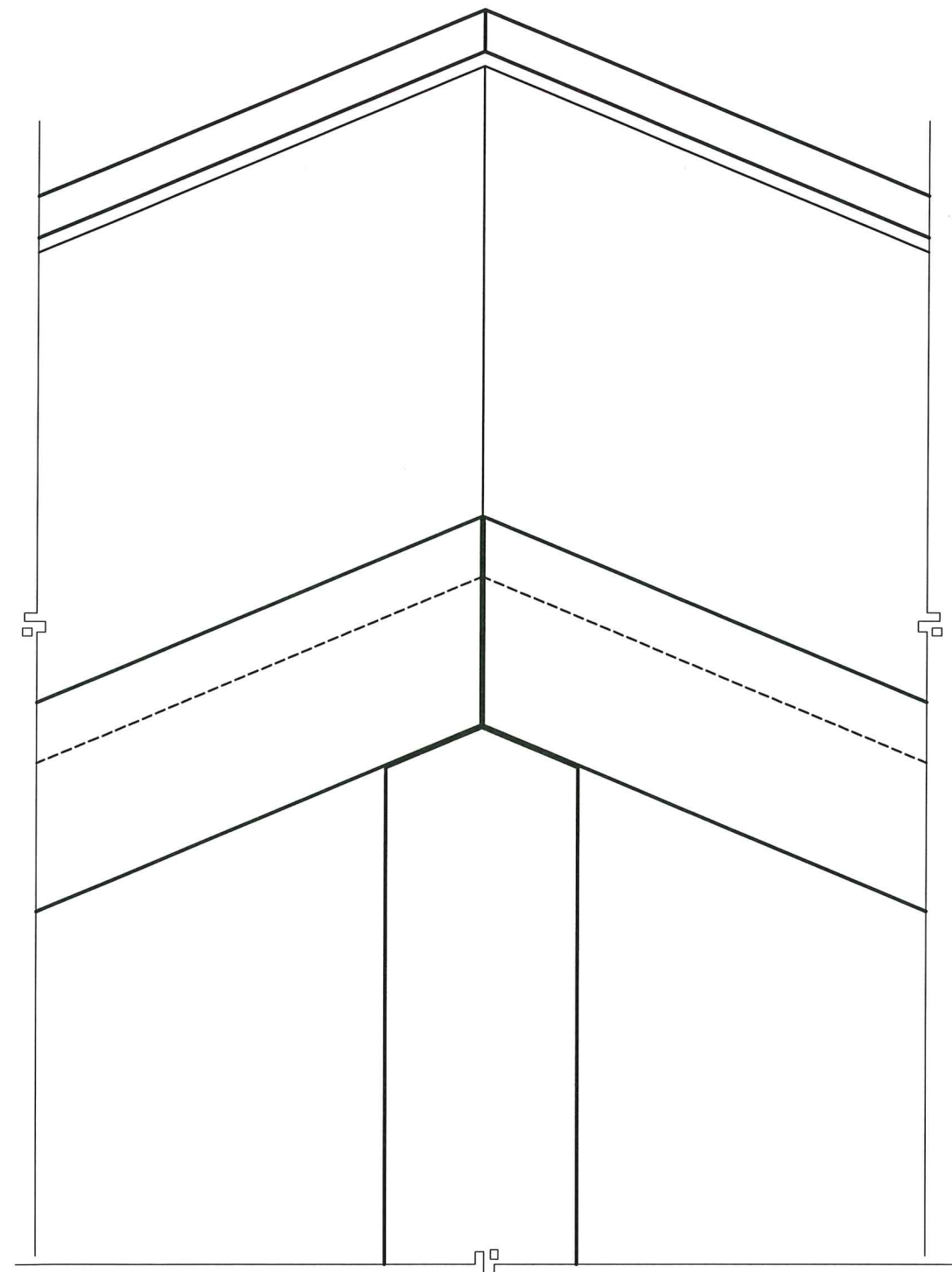
LICENSE # 36374

APPROVAL STAMPS & SIGNATURES:

MIAMI - DADE COUNTY PRODUCT CONTROL



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



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

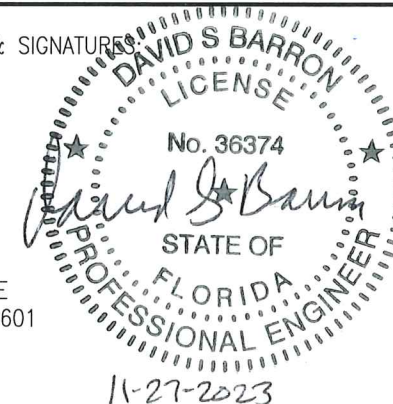
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MIAMI - DADE COUNTY PRODUCT CONTROL

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By *Heidi A. Nelson*
Miami Dade Product Control

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DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601
LICENSE # 36374



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PROJECT:
HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES

A12 SR-40 EXTRUDED ALUMINUM RAFTER
FOR CAPTURED JOINT

A16 1/2"-100 EXTRUDED ALUMINUM
CHANNEL

A24 0.080" ALUMINUM

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

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

H10 1/4"-20 X 1" ZINC-PLATED STEEL
PHILLIPS FLAT HEAD MACHINE SCREW
TYPE F

H13 1/4"-20 X 2" ZINC-PLATED STEEL HEX
WASHER HEAD TYPE F IF AT SPLICE
PLATE

H15 3/4"-16 X 3/4" ZINC-PLATED STEEL
PHILLIPS FLAT HEAD UNDERCUT
MACHINE SCREW

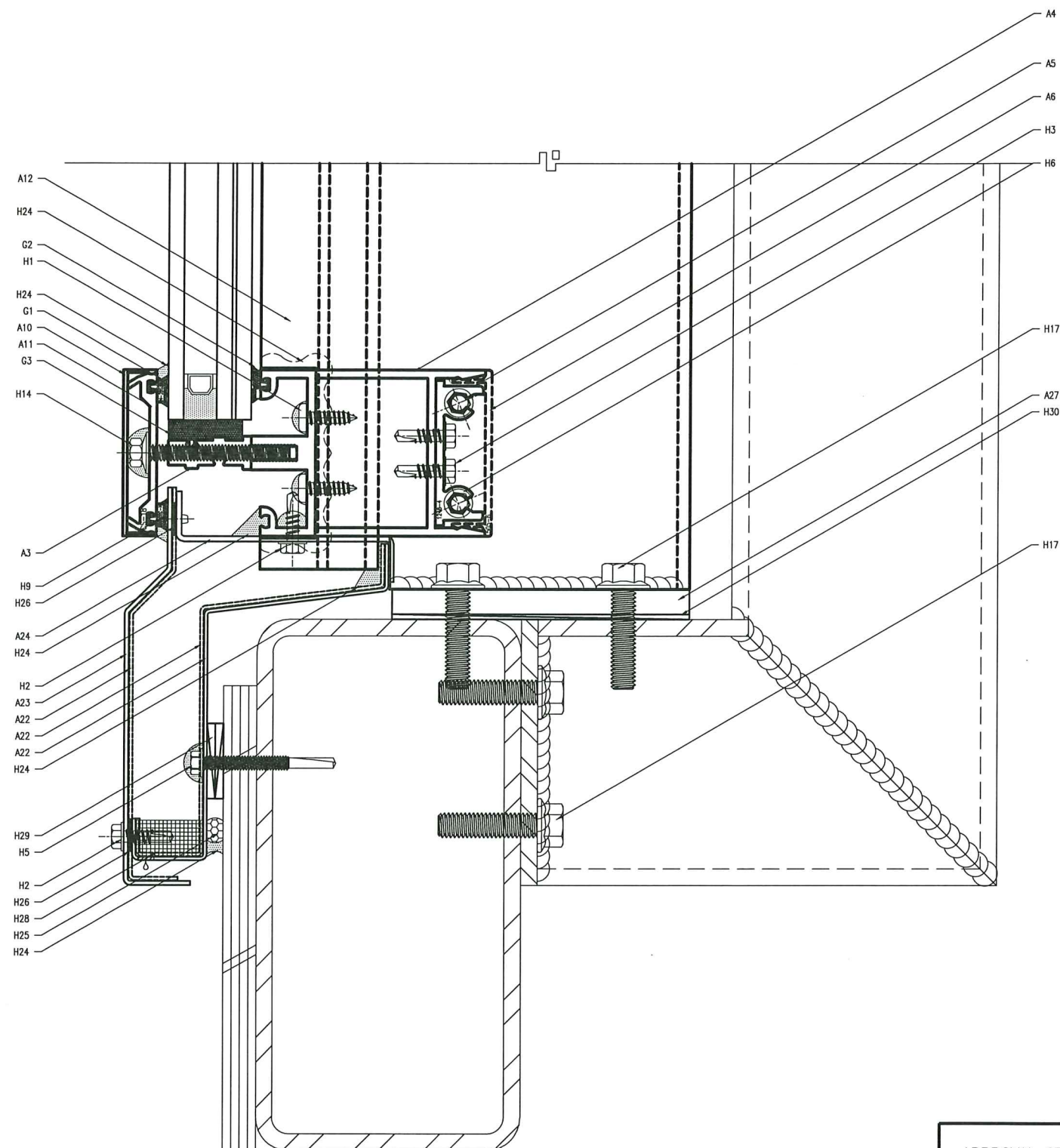
H27 SEALING TAPE

PAGE NAME:
DETAILS

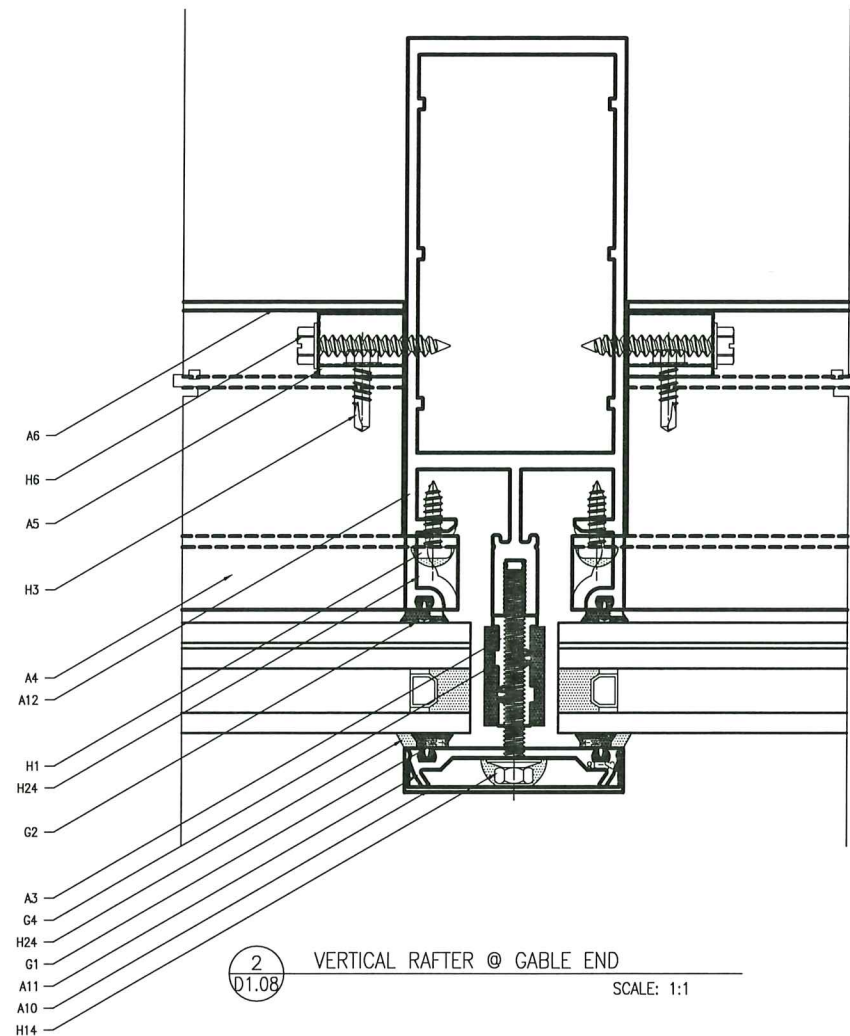
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1 SILL @ GABLE END
D1.08 SCALE: 1:1



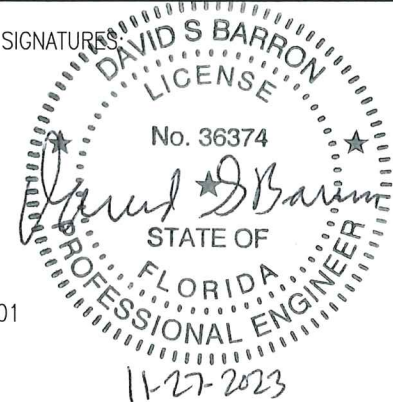
2 VERTICAL RAFTER @ GABLE END
D1.08 SCALE: 1:1



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 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
 - A6 505-6 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
 - A10 SP-11 EXTRUDED ALUMINUM SNAP PIECE
 - A11 CS-18 EXTRUDED ALUMINUM COMPRESSION STRIP
 - A12 SR-40 EXTRUDED ALUMINUM RAFTER
 - A22 0.050" ALUMINUM
 - A23 0.063" ALUMINUM
 - A24 0.080" ALUMINUM INTERIOR FLASHING
 - A27 3/8" 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 TEK #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 TEK #3
 - H5 #12-24 X 2" 18-8 STAINLESS STEEL HEX WASHER HEAD TEK #5 WITH DOW 795 SILICONE SEALANT, SPACED AT 12" ON CENTER
 - H6 #14 X 1 1/4" ZINC-PLATED STEEL HEX WASHER HEAD TYPE AB
 - H9 5/8" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED
 - H14 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 3/4-16 X 1 1/2" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8-16 X 2 HEX WASHER HEAD TYPE F)
 - H24 DOW 795 SILICONE SEALANT
 - H25 BACKER ROD
 - H26 NORTON TAPE
 - H28 WEEP BAFFLE
 - H29 PLASTIC SHIMS
 - H30 ALUMINUM SHIMS

APPROVAL STAMPS & SIGNATURES:



DAVID S BARRON
21 DARTMOUTH DRIVE
GREENSBURG, PA 15601

LICENSE # 36374

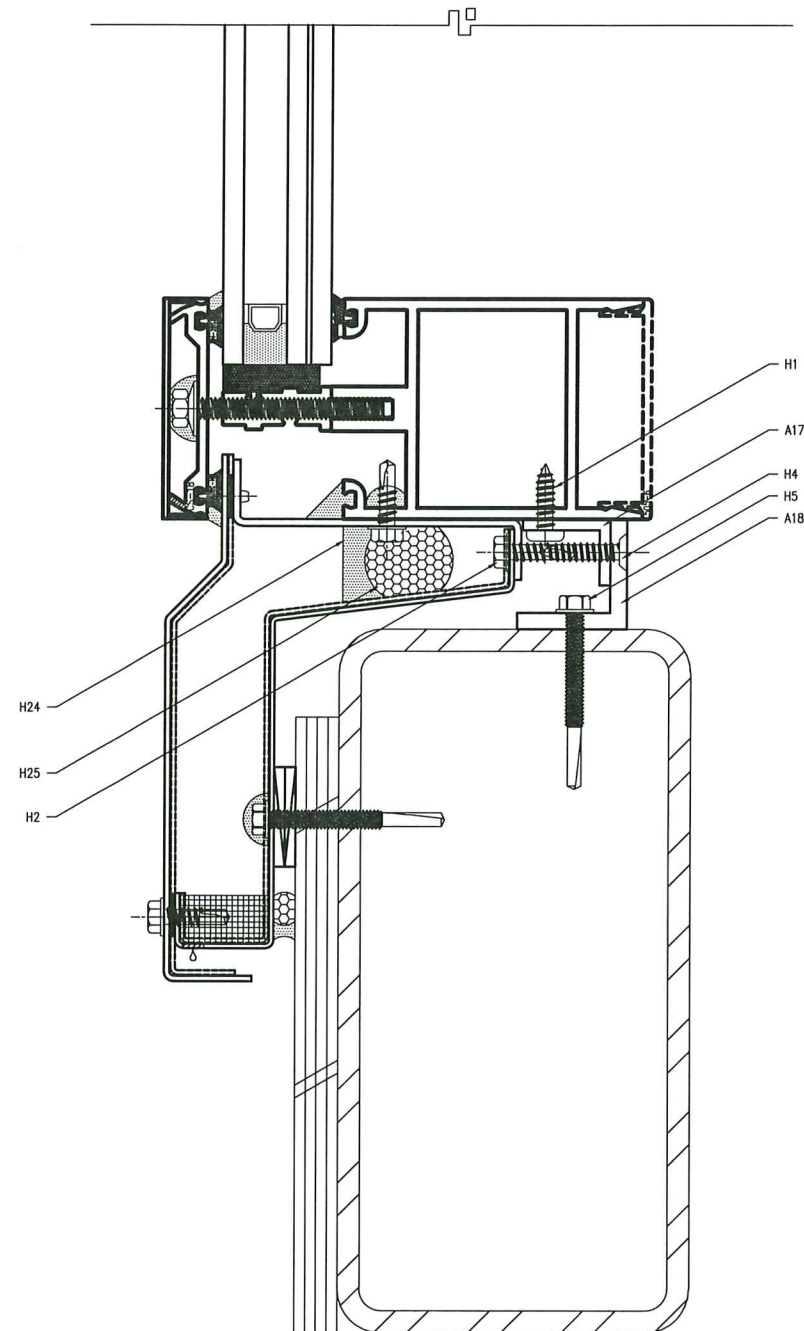
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Miami Dade Product Control

MIAMI - DADE COUNTY PRODUCT CONTROL

PAGE NAME: DETAILS
PAGE: D1.08
PAGE NUMBER: 21 OF 29

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

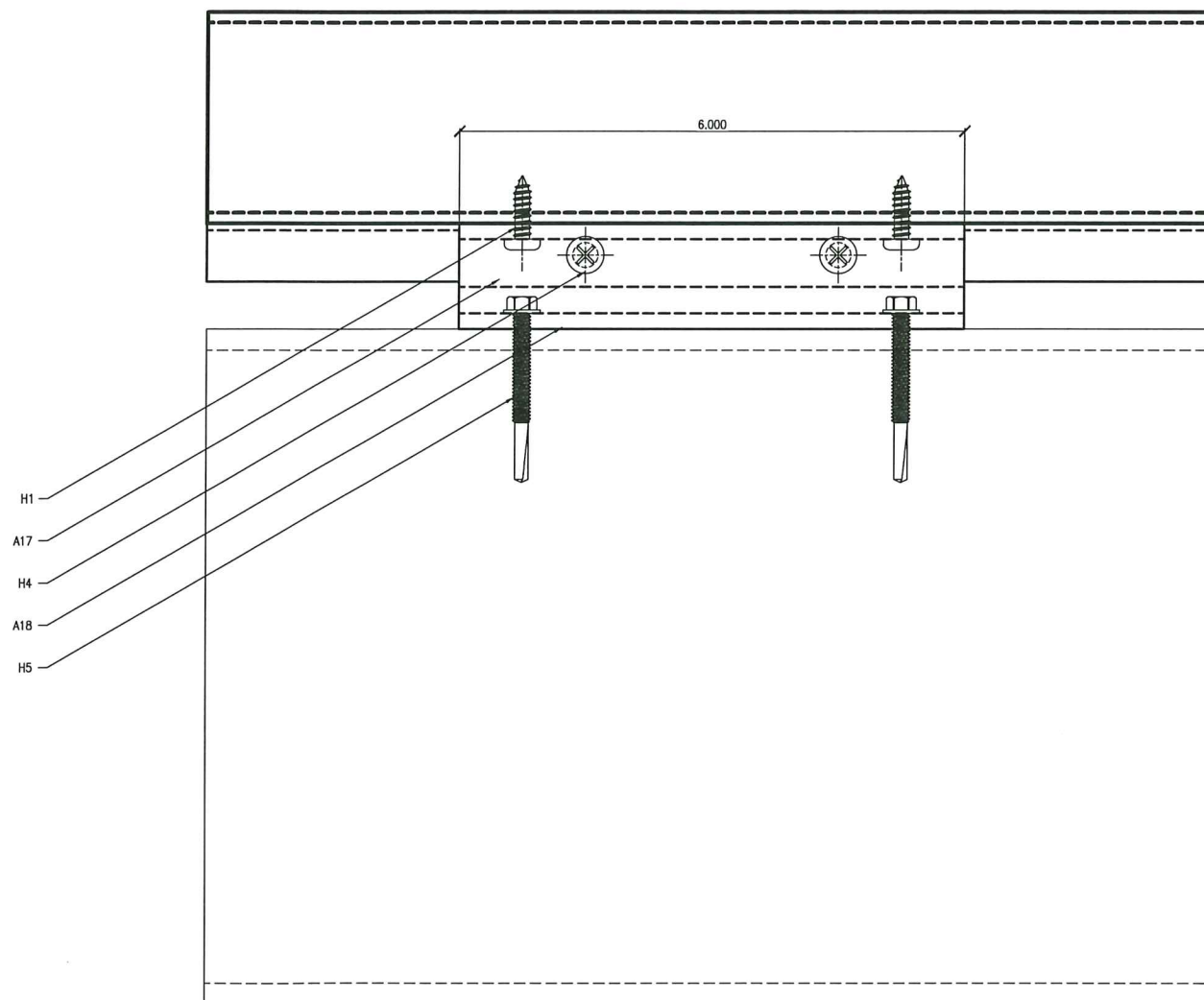
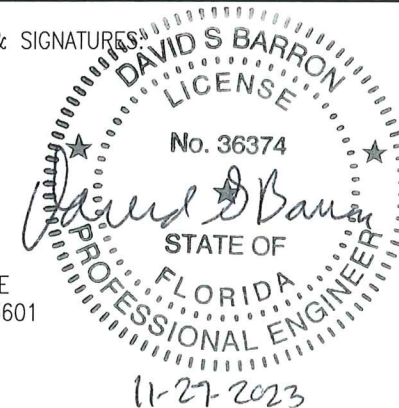
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DAVID S BARRON
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2 SILL MEMBER MIDPOINT @ GABLE END, VIEW FROM INTERIOR
D1.09 SCALE: 1:1

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PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES

A17 1" X 3/4" X 1/4" 6063-T6 EXTRUDED
ALUMINUM ANGLE WITH 6" LENGTH
A18 1 1/4" X 1 1/4" X 3/4" 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 TEX #5,
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 TEX #5
H24 DOW 795 SILICONE SEALANT
H25 BACKER ROD

PAGE NAME:

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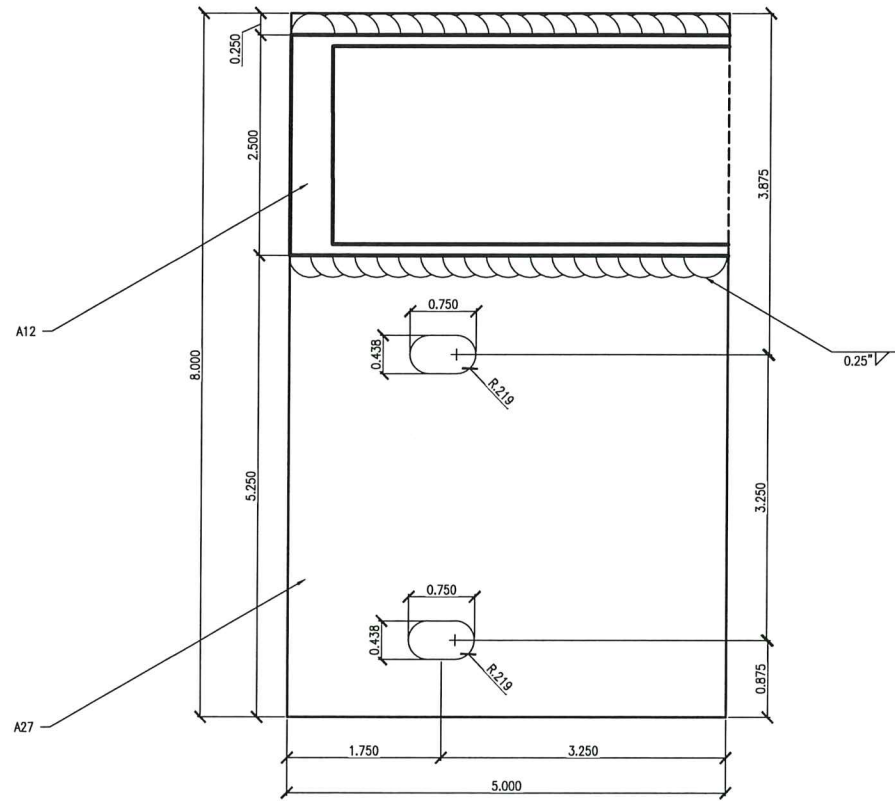
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D1.09

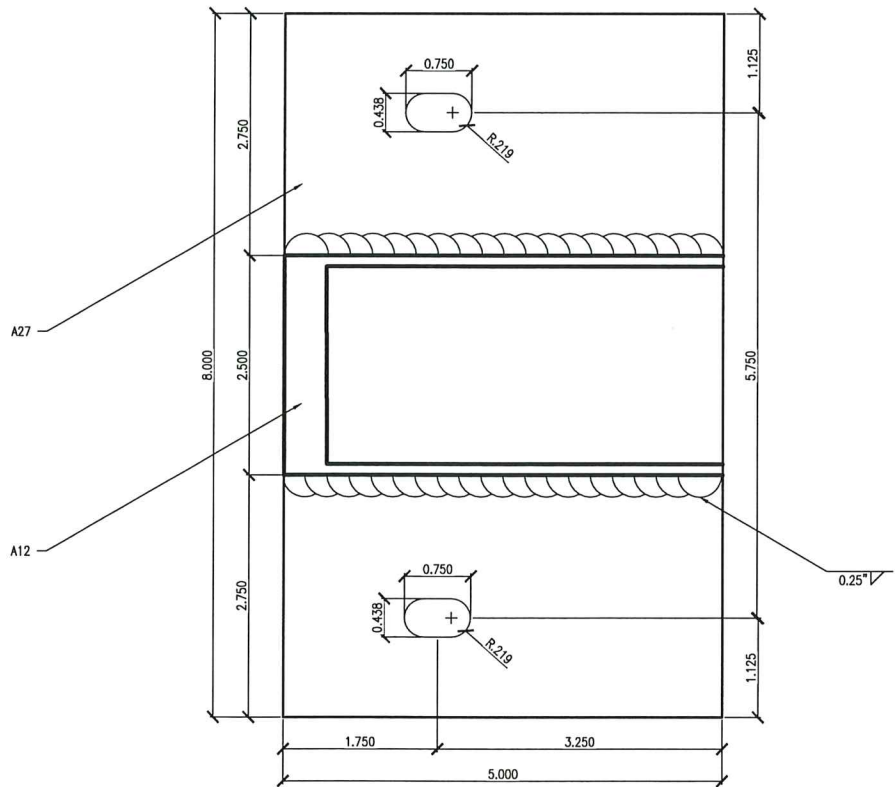
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1 SLOPED RAFTER WITH OFFSET WELDED BASE PLATE
D1.10 SCALE: 1:1



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

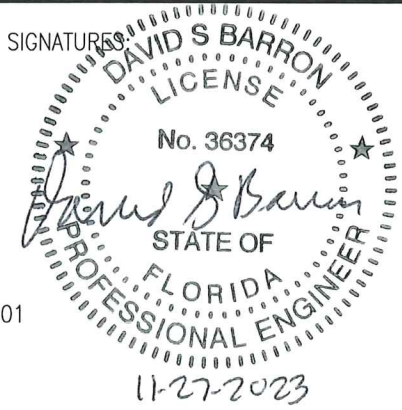
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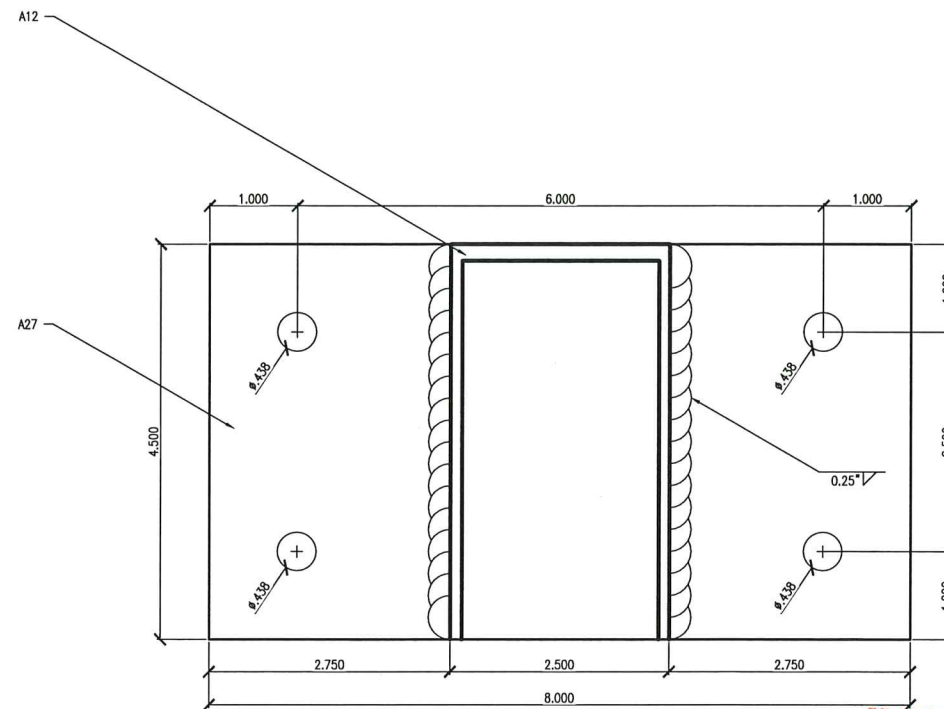
PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS

PROJECT MANAGER: JIM WILLIAMS

DRAWN BY: BRIAN MURPHY

DATE: 11.15.2023

CALL-OUT NOTES
A12 SR-40 EXTRUDED ALUMINUM RAFTER FOR CAPTURED JOINT
A27 3/4\"/>



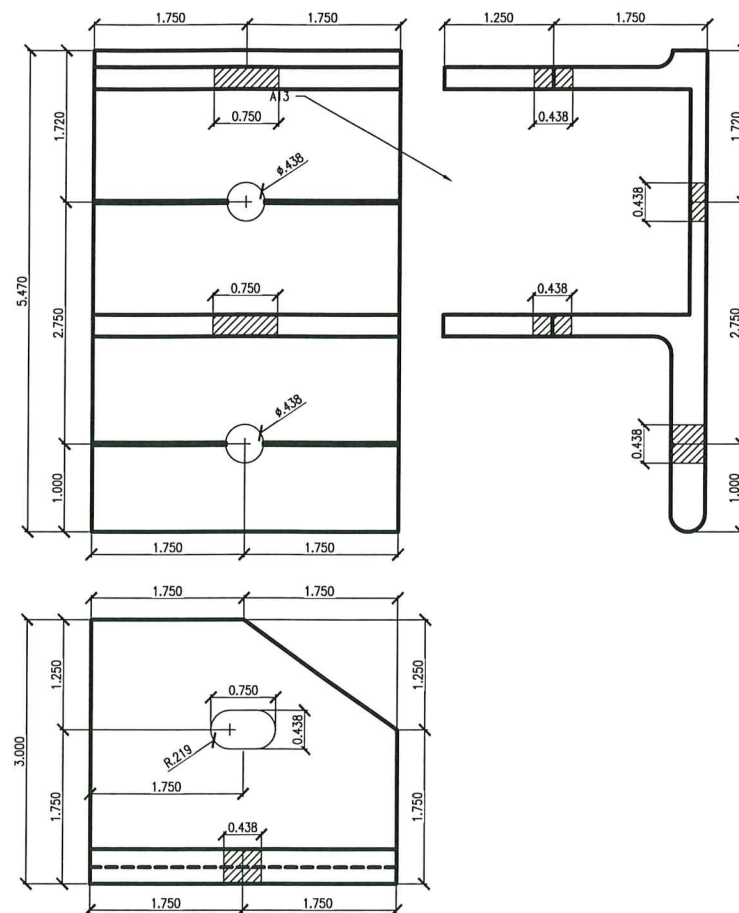
3 VERTICAL RAFTER WITH CENTERED WELDED BASE PLATE
D1.10 SCALE: 1:1

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By *H. G. A. Miller*
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PAGE NAME: DETAILS

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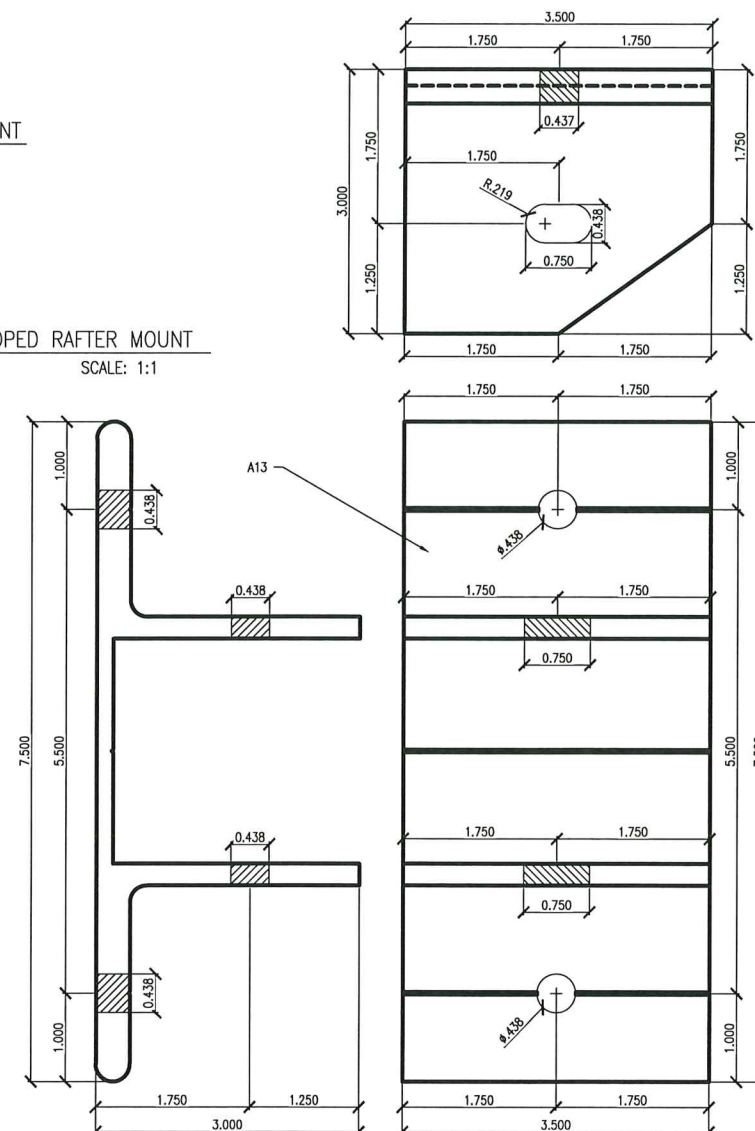
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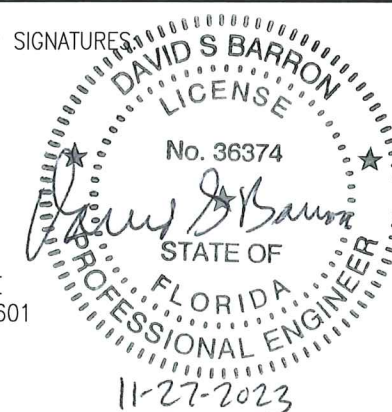
3 ALUMINUM EXTRUSION FOR OFFSET SLOPED RAFTER MOUNT
D1.11 SCALE: 1:1



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PROJECT: HURRICANE SYSTEMS & TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY: BRIAN MURPHY

DATE: 11.15.2023

CALL-OUT NOTES

A13 SC-8 EXTRUDED ALUMINUM SADDLE CLIP WITH $\frac{3}{8}$ " HORIZONTAL SLOT AT RAFTER CONNECTION

A19 3" X 5" X $\frac{3}{8}$ " 6061-T6 EXTRUDED ALUMINUM STRUCTURAL ANGLE WITH 4" LENGTH

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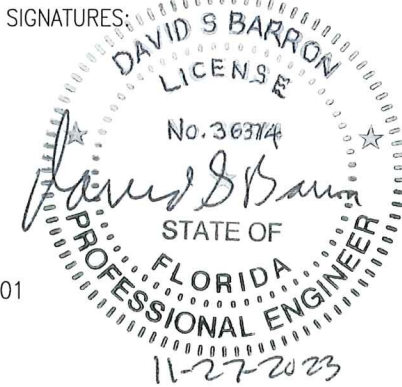
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PROJECT:
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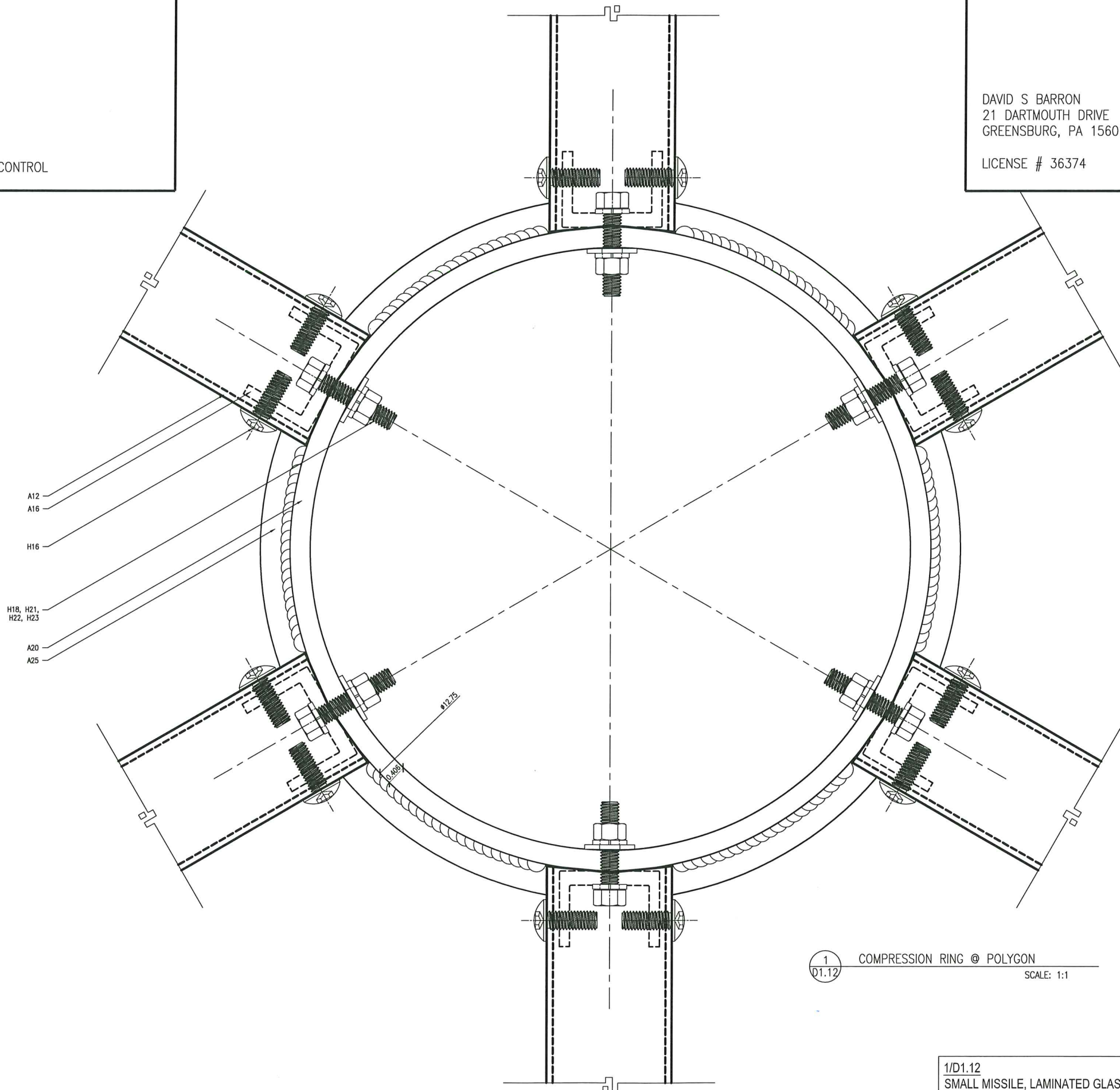
PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES

- A12 SR-40 EXTRUDED ALUMINUM RAFTER
A16 M-100 EXTRUDED ALUMINUM
MOUNTING CHANNEL
A20 12 3/4" OD X 0.406" ALUMINUM
ROUND PIPE
A25 3/8" WELDED ALUMINUM BASE PLATE
H16 3/4-16 X 1" ZINC-PLATED STEEL
T-40 TORX HEAD SCREW
H18 3/4-16 X 1 3/4" ZINC-PLATED STEEL
HEX HEAD TAP BOLT (GRADE 5 OR
BETTER)
H21 3/8" INNER DIAMETER ZINC-PLATED
STEEL WASHER (GRADE 5 OR BETTER)
H22 3/8" INNER DIAMETER ZINC-PLATED
STEEL LOCK WASHER (GRADE 5 OR
BETTER)
H23 3/4-16 ZINC-PLATED STEEL NUT
(GRADE 5 OR BETTER)



1
D1.12 COMPRESSION RING @ POLYGON
SCALE: 1:1

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By *Helga N. N.*
Miami Dade Product Control

1/D1.12
SMALL MISSILE, LAMINATED GLASS MAKEUP - DETAIL AS SHOWN
LARGE MISSILE, INSULATED LAMINATED GLASS MAKEUP - DETAIL SIMILAR

PAGE NAME:
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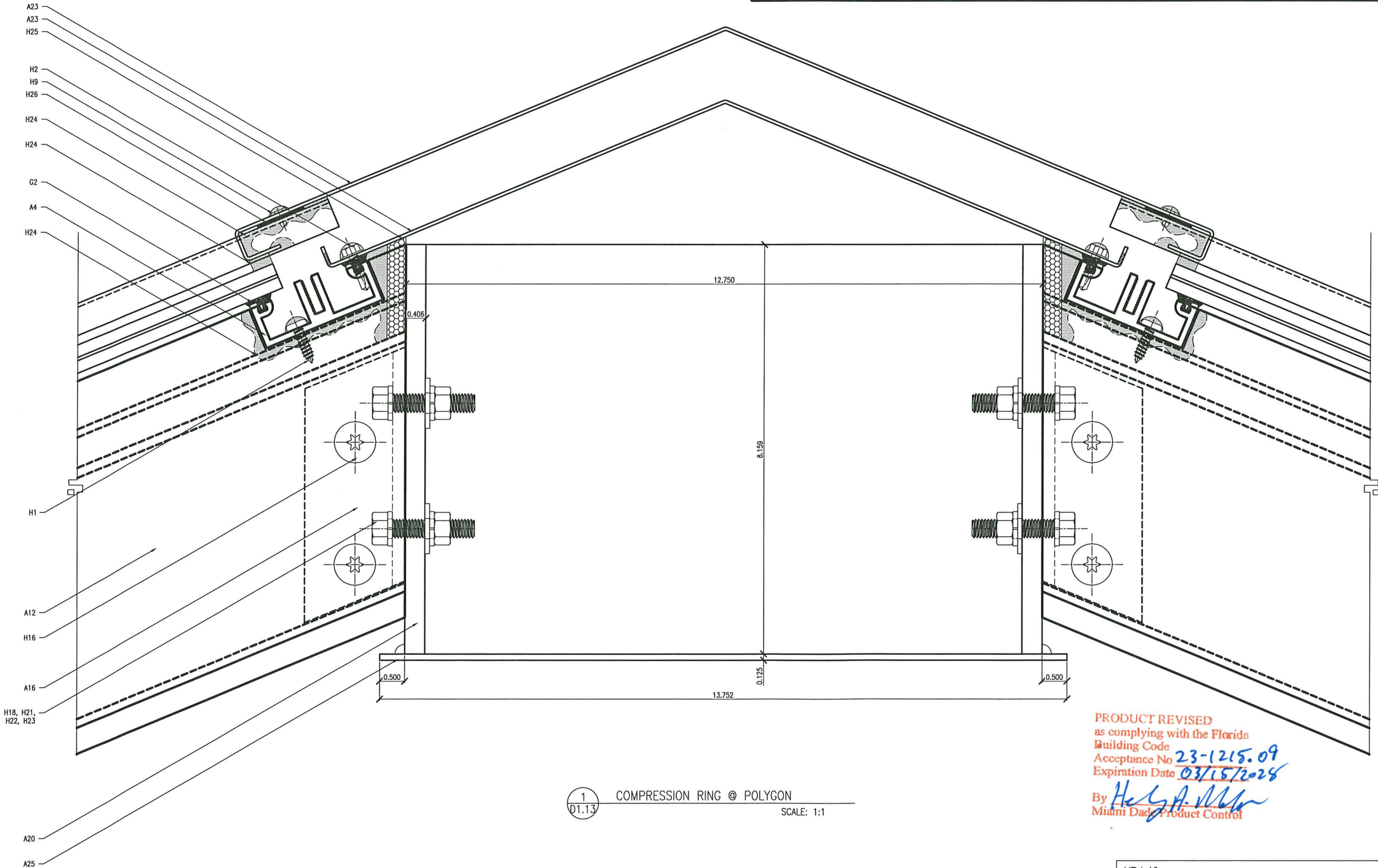
PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES

- A4 MODIFIED H-65 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
- A12 SR-40 EXTRUDED ALUMINUM RAFTER
- A16 W-100 EXTRUDED ALUMINUM MOUNTING CHANNEL
- A20 12 3/4" OD X 0.406" ALUMINUM ROUND PIPE
- A23 0.063" ALUMINUM
- A25 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 3/16" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED WITH DOW 795 SILICONE SEALANT
- H16 3/16 X 1" ZINC-PLATED STEEL T-40 TORX HEAD SCREW
- H18 3/16 X 1 3/4" ZINC-PLATED STEEL HEX HEAD TAP BOLT (GRADE 5 OR BETTER)
- H21 3/8" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
- H22 3/8" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
- H23 3/16-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
- H24 DOW 795 SILICONE SEALANT
- H25 BACKER ROD
- H26 NORTON TAPE



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1
D1.13 COMPRESSION RING @ POLYGON
SCALE: 1:1

1/D1.13
SMALL MISSILE, LAMINATED GLASS MAKEUP - DETAIL AS SHOWN
LARGE MISSILE, INSULATED LAMINATED GLASS MAKEUP - DETAIL SIMILAR

PAGE NAME:

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H24
H25

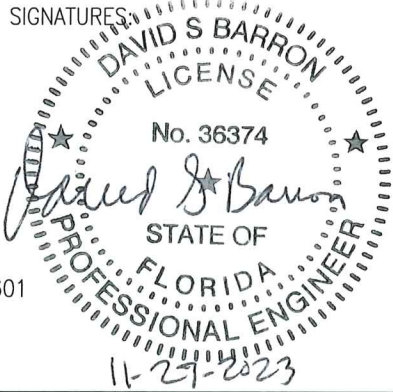
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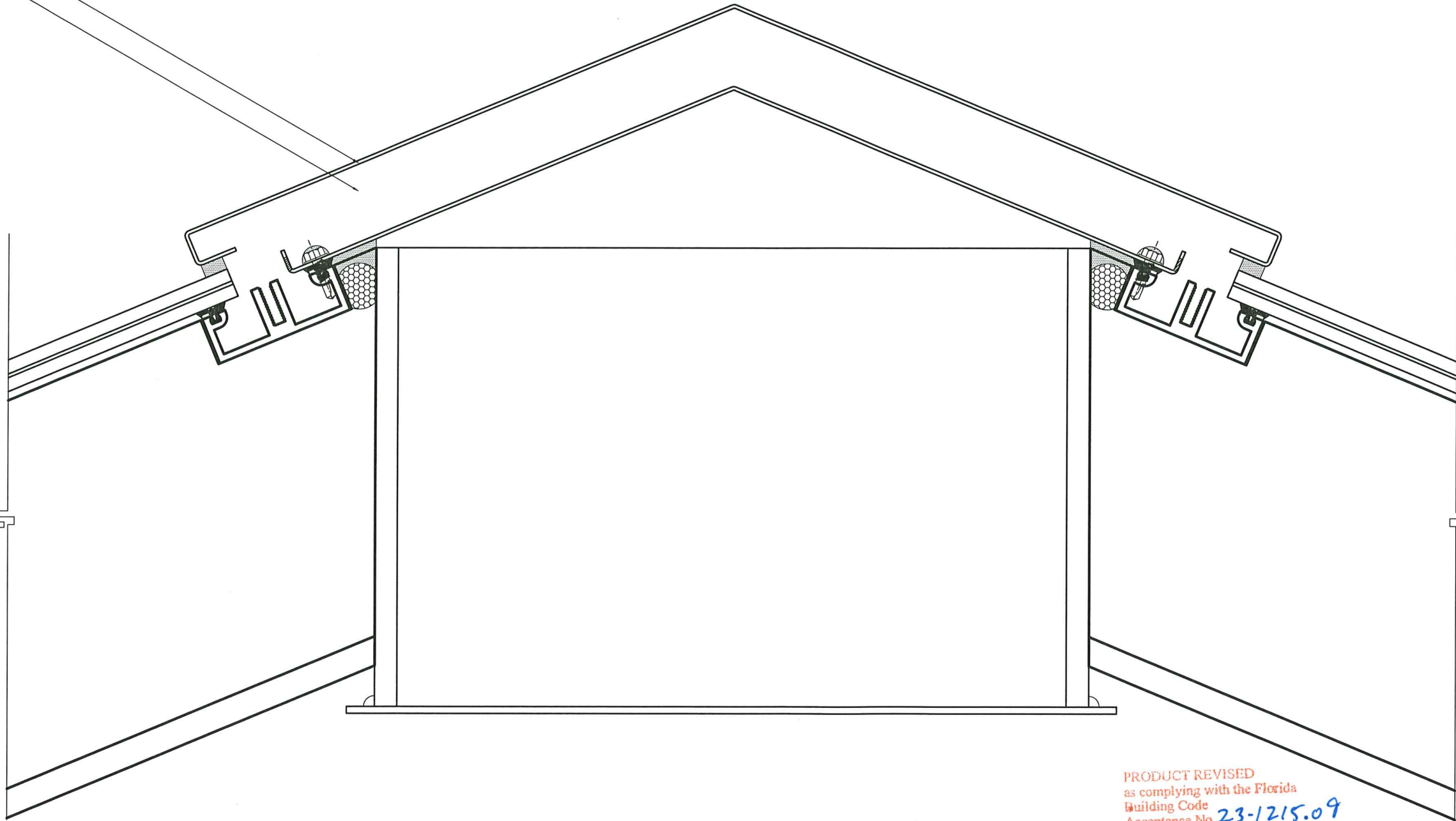
PROJECT:
HURRICANE SYSTEMS &
TEST SPECIMENS

PROJECT MANAGER:
JIM WILLIAMS

DRAWN BY:
BRIAN MURPHY

DATE:
11.15.2023

CALL-OUT NOTES
H24 DOW 795 SILICONE SEALANT
H25 BACKER ROD



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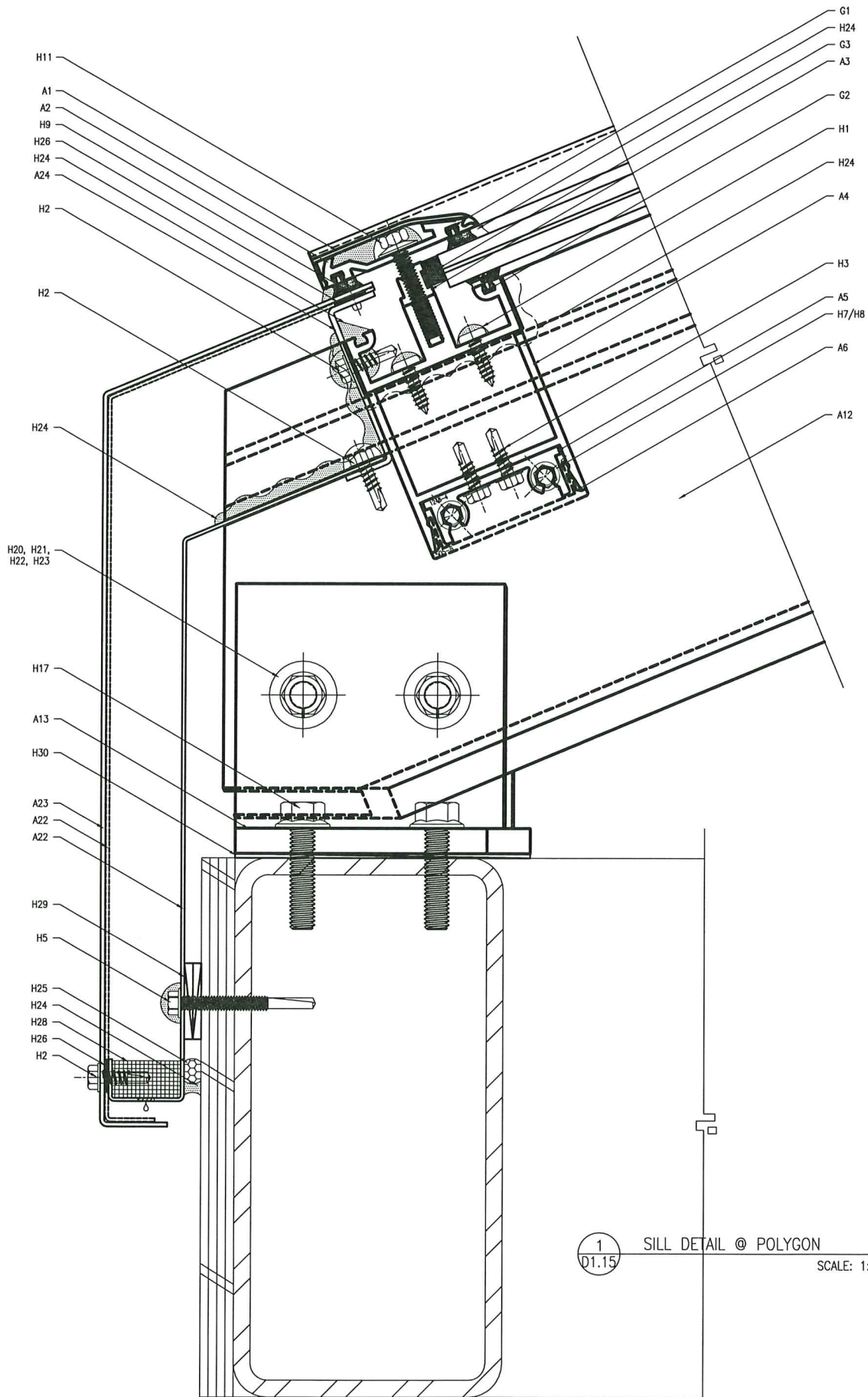
1
D1.14 COMPRESSION RING © POLYGON
SCALE: 1:1

1/D1.14
SMALL MISSILE, LAMINATED GLASS MAKEUP - DETAIL AS SHOWN
LARGE MISSILE, INSULATED LAMINATED GLASS MAKEUP - DETAIL SIMILAR

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1 SILL DETAIL © POLYGON
SCALE: 1:1

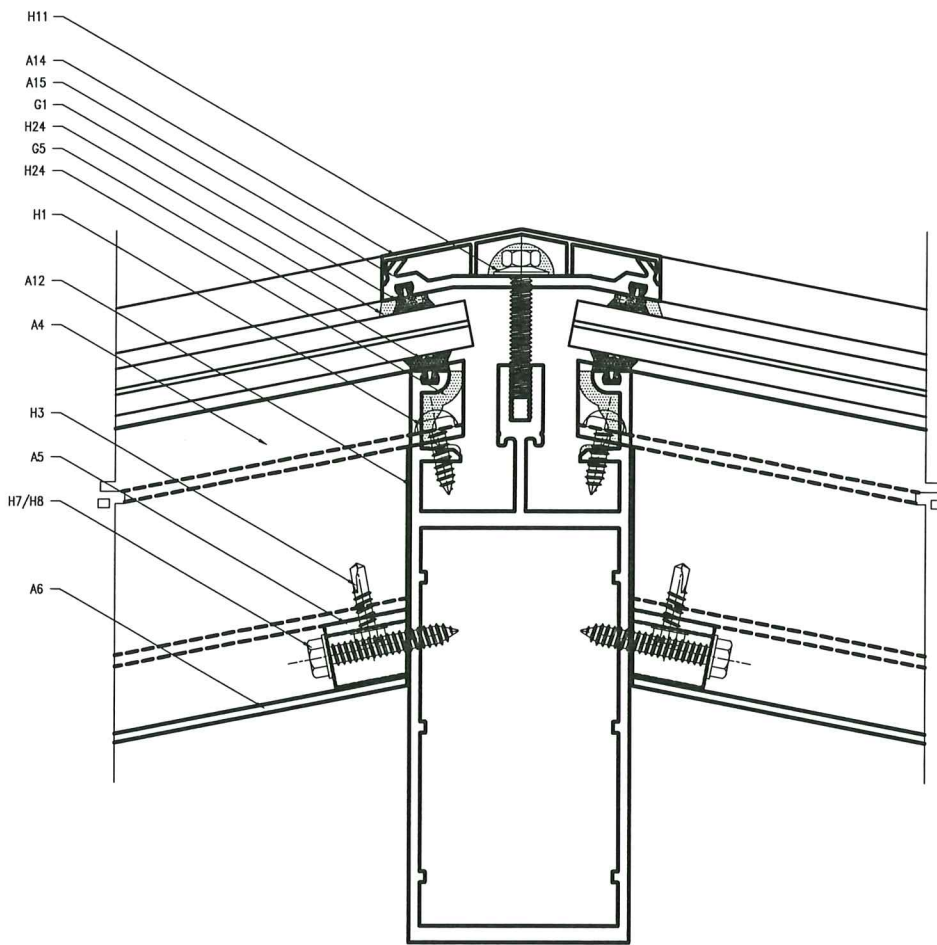
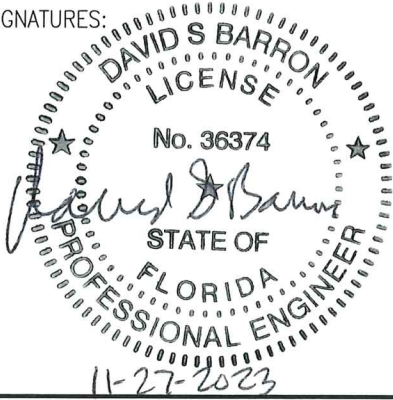
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2 HIP DETAIL © POLYGON
SCALE: 1:1

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1/D1.15, 2/D1.15
SMALL MISSILE, LAMINATED GLASS MAKEUP - DETAIL AS SHOWN
LARGE MISSILE, INSULATED LAMINATED GLASS MAKEUP - DETAIL SIMILAR

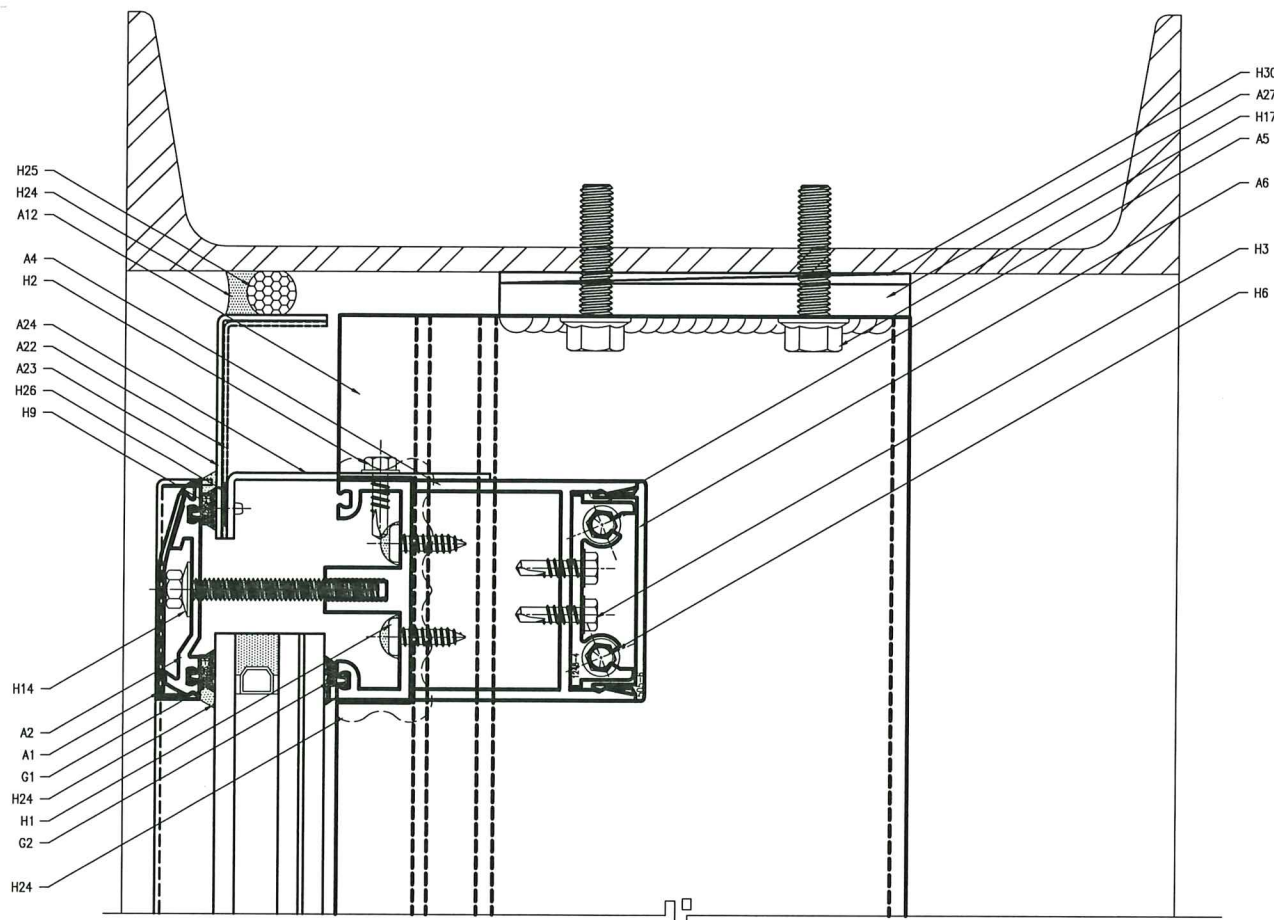


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PROJECT MANAGER: JIM WILLIAMS
DRAWN BY: BRIAN MURPHY
DATE: 11.15.2023

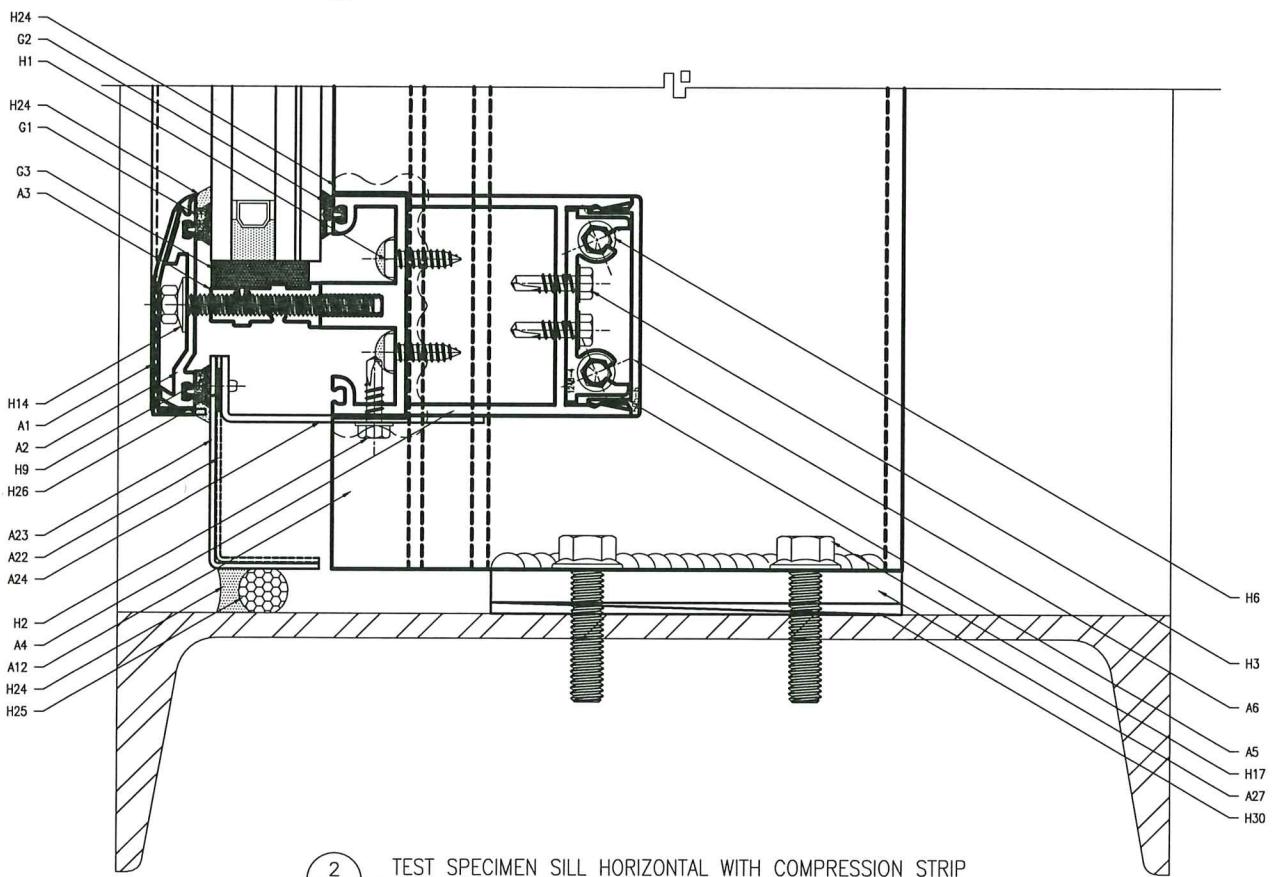
- CALL-OUT NOTES
- A1 SP-45 EXTRUDED ALUMINUM SNAP PIECE FOR CAPTURED HORIZONTAL
 - A2 CS-37 EXTRUDED ALUMINUM COMPRESSION STRIP FOR CAPTURED HORIZONTAL
 - A3 MODIFIED H-125 EXTRUDED ALUMINUM SETTING BLOCK CHAIR, 4" LENGTH, AT QUARTER POINTS
 - A4 H-85 EXTRUDED ALUMINUM HORIZONTAL FOR CAPTURED JOINT
 - A5 1248-4 EXTRUDED ALUMINUM SHEAR BLOCK
 - A12 SR-40 EXTRUDED ALUMINUM RAFTER
 - A14 SP-47 EXTRUDED ALUMINUM SNAP PIECE FOR HIP
 - A15 CS-39 EXTRUDED ALUMINUM COMPRESSION STRIP FOR HIP
 - A8 505-8 EXTRUDED ALUMINUM INTERIOR SNAP PIECE (NOT USED FOR TESTING)
 - A13 SC-8 EXTRUDED ALUMINUM SADDLE CLIP
 - A22 0.050" ALUMINUM
 - A23 0.063" ALUMINUM
 - A24 0.080" ALUMINUM
 - G1 N-28S SILICONE GASKET
 - G2 N-18S SILICONE GASKET
 - G3 MODIFIED N-34S SILICONE SETTING BLOCK
 - G5 N-37S 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 TEK #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 TEK #3
 - H5 #12-24 X 2" 18-8 STAINLESS STEEL HEX WASHER HEAD TEK #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 3/4" DIAMETER ALUMINUM POP RIVET WITH 1/4" GRIP SPACED AS NEEDED
 - H11 1/4"-20 X 1 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 1 1/4" ZINC-PLATED GRADE 5 STEEL FLANGED HEX HEAD (TAP WITH 3/8-16 X 2 HEX WASHER HEAD TYPE F)
 - H20 3/8-16 X 4" ZINC-PLATED STEEL HEX HEAD CAP SCREW (GRADE 5 OR BETTER)
 - H21 3/8" INNER DIAMETER ZINC-PLATED STEEL WASHER (GRADE 5 OR BETTER)
 - H22 3/8" INNER DIAMETER ZINC-PLATED STEEL LOCK WASHER (GRADE 5 OR BETTER)
 - H23 3/8-16 ZINC-PLATED STEEL NUT (GRADE 5 OR BETTER)
 - H24 DOW 795 SILICONE SEALANT
 - H25 BACKER ROD
 - H26 NORTON TAPE
 - H28 WEEP BAFFLE & WEEP HOLE
 - H29 PLASTIC SHIMS
 - H30 ALUMINUM SHIMS

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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

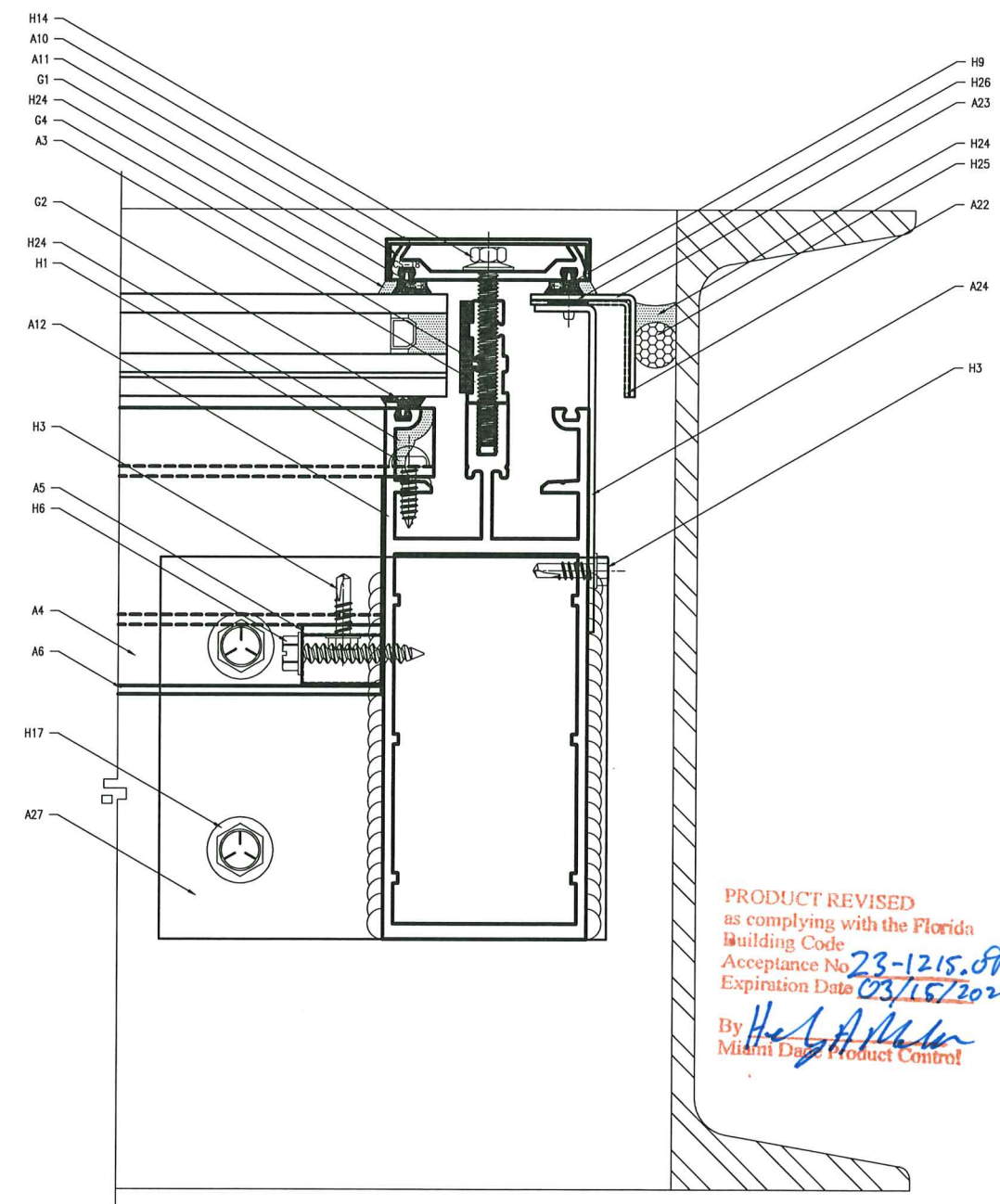
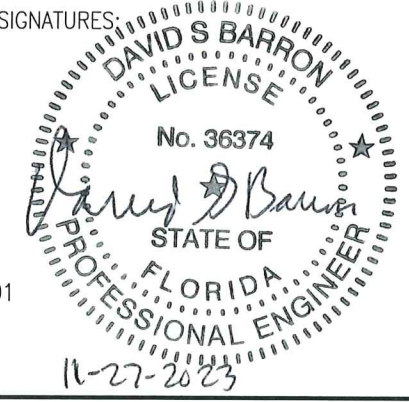
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3 TEST SPECIMEN END RAFTER WITH COMPRESSION STRIP
D1.16 FOR HORIZONTAL WITH COMPRESSION STRIP SCALE: 1:1

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

- CALL-OUT NOTES
- A1 SP-45 EXTRUDED ALUMINUM SNAP
 - A2 PIECE FOR CAPTURED HORIZONTAL
 - A3 CS-37 EXTRUDED ALUMINUM
 - A4 COMPRESSION STRIP FOR CAPTURED
 - A5 HORIZONTAL
 - A6 H-125 EXTRUDED ALUMINUM SETTING
 - A7 BLOCK CHAIR, 3" LENGTH, AT
 - A8 QUARTER POINTS ON HORIZONTAL, AT
 - A9 UPPER QUARTER POINTS ON VERTICAL
 - A10 H-65 EXTRUDED ALUMINUM
 - A11 HORIZONTAL FOR CAPTURED JOINT
 - A12 1248-4 EXTRUDED ALUMINUM SHEAR
 - A13 BLOCK
 - A14 505-6 EXTRUDED ALUMINUM INTERIOR
 - A15 SNAP PIECE (NOT USED FOR
 - A16 TESTING)
 - A17 SP-11 EXTRUDED ALUMINUM SNAP
 - A18 PIECE
 - A19 CS-16 EXTRUDED ALUMINUM
 - A20 COMPRESSION STRIP
 - A21 SR-40 EXTRUDED ALUMINUM RAFTER
 - A22 0.050" ALUMINUM
 - A23 0.063" ALUMINUM
 - A24 0.080" ALUMINUM
 - A25 3/8" 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
 - H2 STEEL PHILLIPS PAN HEAD TYPE AB
 - H3 WITH DOW 795 SILICONE SEALANT
 - H4 #12 X 3/4" TYPE 18-8 STAINLESS
 - H5 STEEL HEX WASHER HEAD TEX #3,
 - H6 SPACED AT 12"-16" ON CENTER
 - H7 #12 X 3/4" ZINC-PLATED STEEL HEX
 - H8 WASHER HEAD TEX #3
 - H9 #14 X 1 1/4" ZINC-PLATED STEEL HEX
 - H10 WASHER HEAD TYPE AB
 - H11 3/8" DIAMETER ALUMINUM POP RIVET
 - H12 WITH 1/4" GRIP SPACED AS NEEDED
 - H13 1/4-20 X 2 1/4" TYPE 316 STAINLESS
 - H14 STEEL HEX HEAD MS & NED WASHER
 - H15 SPACED AT 6" ON CENTER
 - H16 3/8-16 X 1 1/4" ZINC-PLATED GRADE
 - H17 5 STEEL FLANGED HEX HEAD
 - H18 (TAP WITH 3/8-16 X 2 HEX WASHER
 - H19 HEAD TYPE F)
 - H20 DOW 795 SILICONE SEALANT
 - H21 BACKER ROD
 - H22 NORTON TAPE
 - H23 ALUMINUM SHIMS

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