



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

NOTICE OF ACCEPTANCE (NOA)

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

Roof Penetration Housing LLC
PO Box 461024
San Antonio, TX 78246

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 Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Roof Aluminum Vault

APPROVAL DOCUMENT: Drawing No. **20200641**, titled "The Vault", sheets 1 through 12 of 12, dated 04/13/2022, prepared by JBPE Consulting Engineers, signed and sealed by John H. Brown, P.E. on 02/07/2023, bearing the Miami-Dade County Product Control approval stamp with the Notice of Acceptance number and approval 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 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 consists of this page 1 and evidence page E-1, as well as approval document mentioned above. The submitted documentation was reviewed by **Carlos M. Utrera, P.E.**



NOA No. 22-0809.05
Expiration Date: February 23, 2028
Approval Date: February 23, 2023
Page 1

Roof Penetration Housing LLC

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **20200641**, titled “The Vault”, sheets 1 through 12 of 12, dated 04/13/2022, prepared by JBPE Consulting Engineers, signed and sealed by John H. Brown, P.E. on 02/07/2023.

B. TESTS

1. Test report on 1) Large Missile Impact Test per FBC, TAS 201-94,
2) Cyclic Wind Pressure Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of small and medium AW vaults, prepared by QAI Laboratory, Test Report No. **21-1185**, dated 12/10/2021, signed and sealed by Idalmis Ortega, P.E.
2. Test report on 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Cyclic Wind Pressure Test per FBC, TAS 203-94,
along with marked-up drawings and installation diagram of small and medium AW vaults, prepared by FTL a QAI Company, Test Report No. **20-2123**, dated 09/25/2020, signed and sealed by Idalmis Ortega, P.E.

C. CALCULATIONS

1. Connection analysis prepared by JBPE Consulting Engineers, dated 04/13/2022, signed and sealed by John H. Brown, P.E.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

F. STATEMENTS

1. Statement letter of code conformance to the 7th edition (2020) of the FBC, issued JBPE Consulting Engineers, dated 06/16/2022, signed and sealed by John H. Brown, P.E.
2. Statement letter of no financial interest, issued by JBPE Consulting Engineers, dated 06/16/2022, signed and sealed by John H. Brown, P.E.



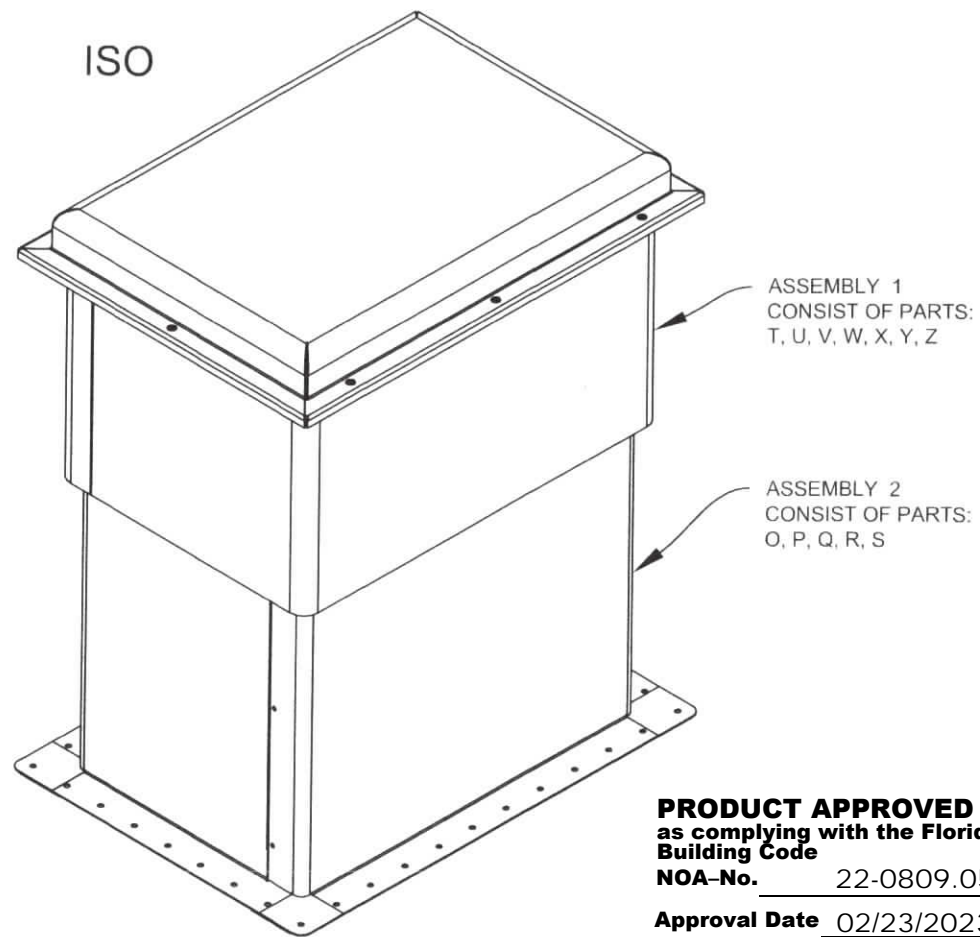
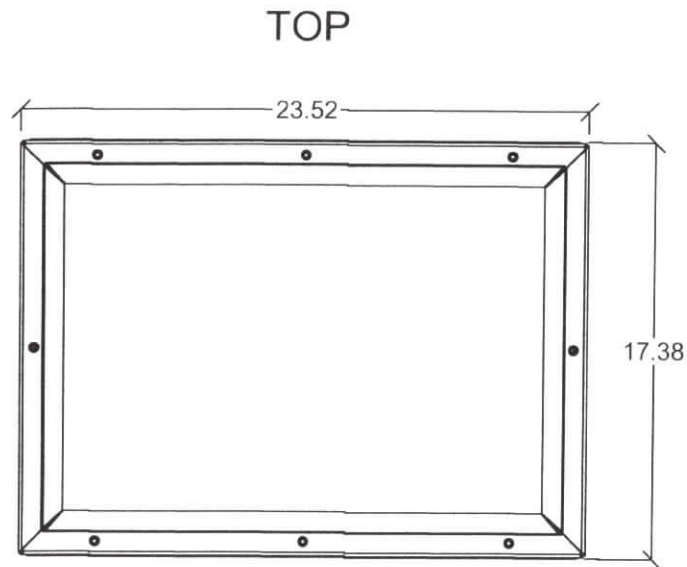
Carlos M. Utrera, P.E.

Product Control Examiner

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PRODUCT APPROVED
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NOA-No. 22-0809.05
Approval Date 02/23/2023
By *[Signature]*
Miami-Dade Product Control

DESIGN STANDARDS

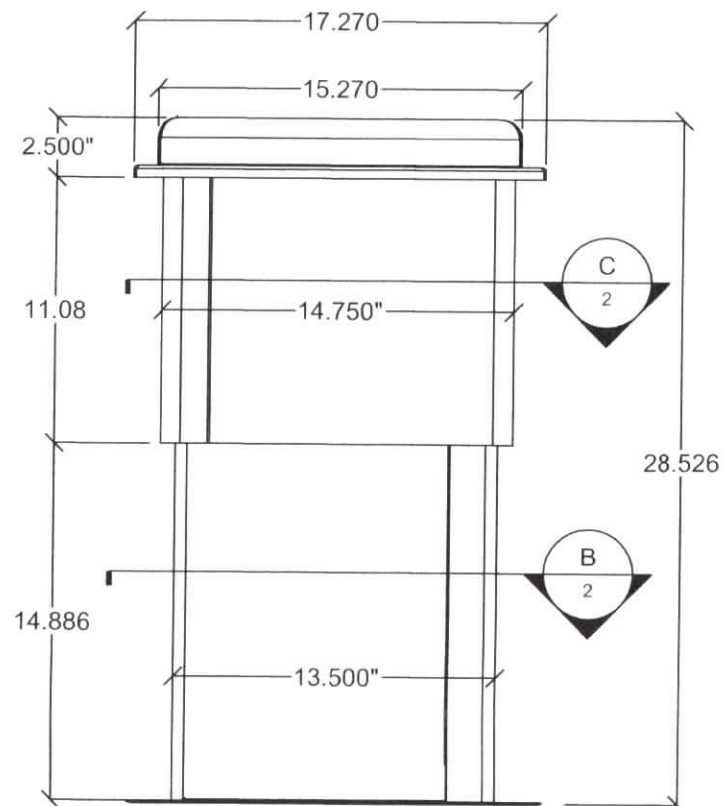
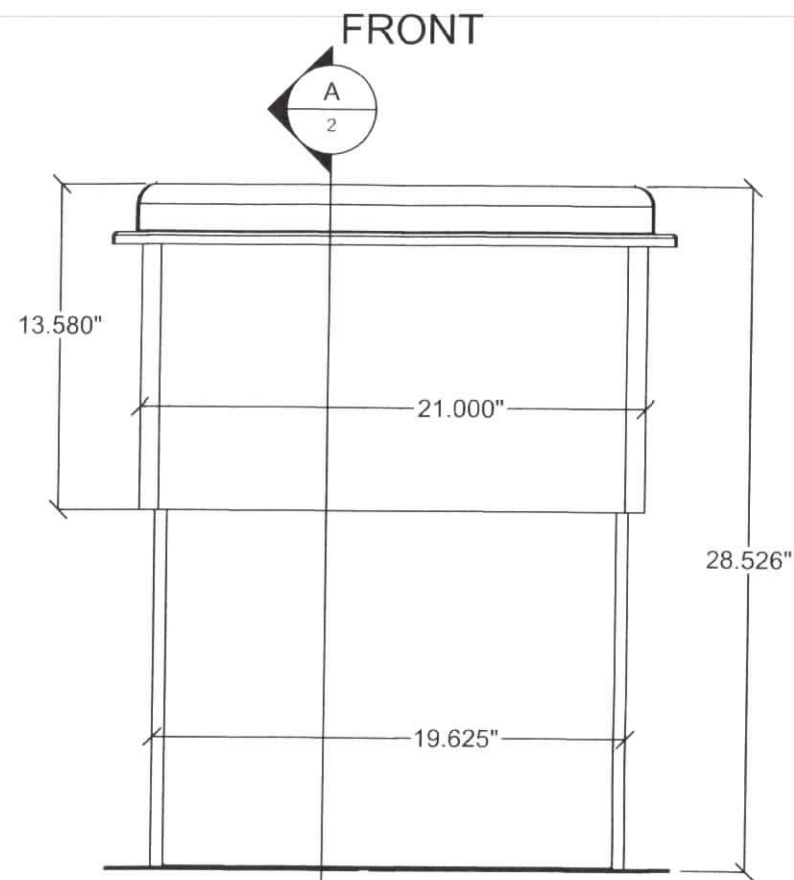
- FBC 2020
- ALUMINUM MANUAL
- AWS
- ASCE 7-16
- REFERENCE GENERAL NOTES ON REAR SHEET

DESIGN REQUIREMENTS

DESIGN PRESSURES CALCULATED FOR USE WITH THIS SYTEM SHALL BE DETERMINED SEPARATELY ON A JOB-SPECIFIC BASIS IN ACCORDANCE WITH THE GOVERING CODE USING ASD METHODOLOGY. SITE-SPECIFIC PRESSURE REQUIREMENTS AS DETERMINED IN ACCORDANCE WITH ASCE 7 AND CHAPTER 16 OF THE FLORDA BUILDING CODE SEVENTH EDITION (2020) SHALL BE LESS THAN OR EQUAL TO LATERAL AND UPLIFT DESIGN PRESSURE CAPACITY VALUES LISTEND HEREIN FOR ANY ASSEMBLY AS SHOWN.

UNLESS OTHERWISE SPECIFIED:

DIMENSIONS ARE IN INCHES
TOLERANCES:
TWO PLACE DECIMAL ± .030
THREE PLACE DECIMAL ± .010



MEDIUM CURB ASSEMBLY
NTS

PARTS LIST

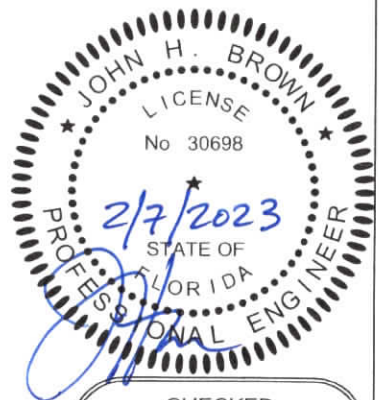
TAG	QTY	PART NO.	DESCRIPTION
O	2	-	LOWER LONG COVER (5052-H32)
P	2	-	LOWER SHORT COVER (5052-H32)
Q	10	-	LOWER VIP R-50 INSULATION
R	1	-	LOWER CURB CAP BRACKET (5052-H32)
S	1	-	LOWER CURB SHEATHING (5052-H32)
T	2	-	UPPER PLATE (5052-H32)
U	2	-	UPPER SHORT COVER (5052-H32)
V	2	-	UPPER LONG COVER (5052-H32)
W	2	-	UPPER CURB CAP BRACKET (5052-H32)
X	2	-	SHORT ANGLE BRACKET (5052-H32)
Y	10	-	LONG ANGLE BRACKET (5052-H32)
Z	1	-	UPPER CURB CAP (5052-H32)

ALLOWABLE DESIGN PRESSURE RATING	IMPACT RATING
± 80 PSF	LARGE MISSLE



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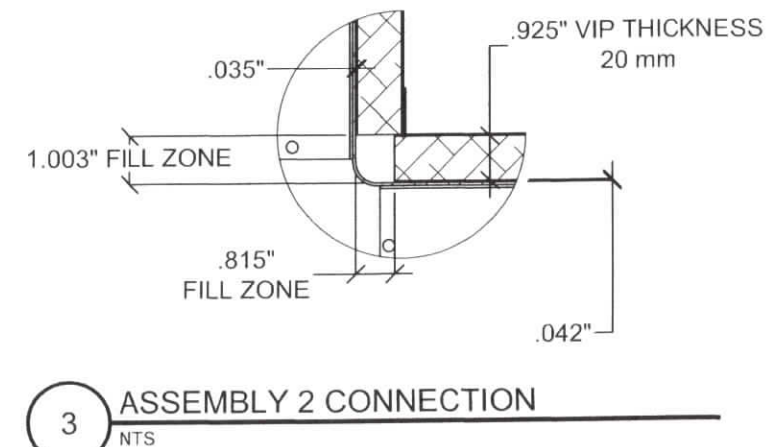
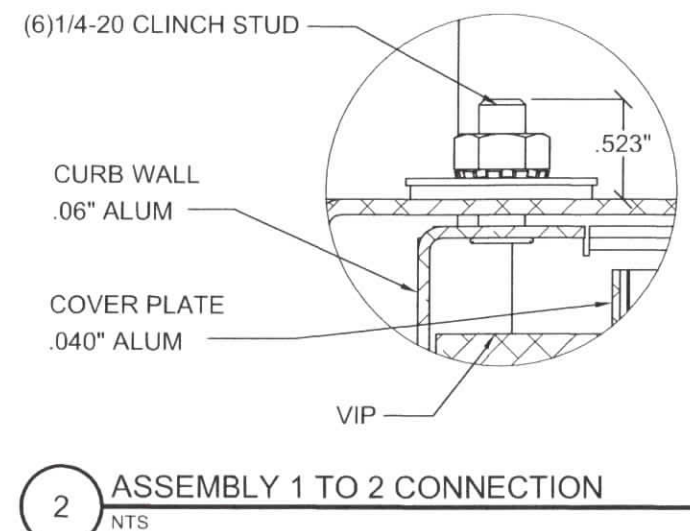
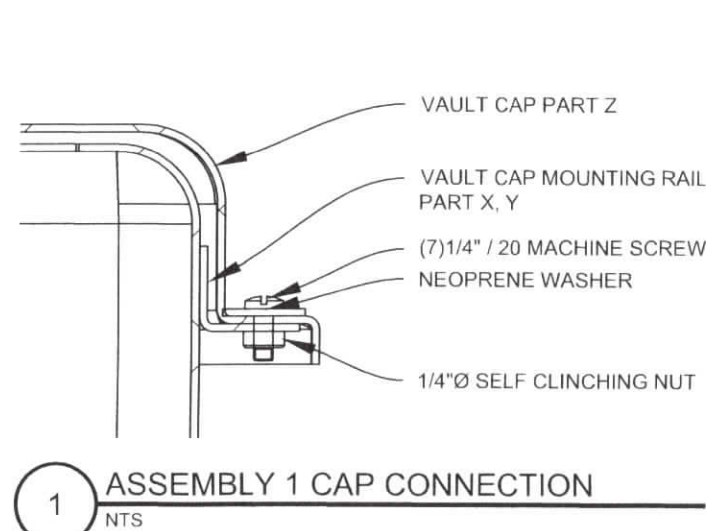
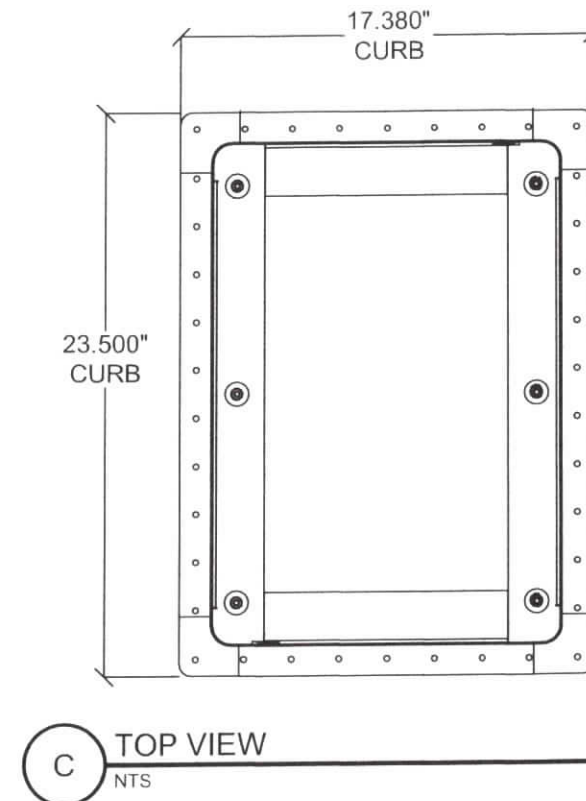
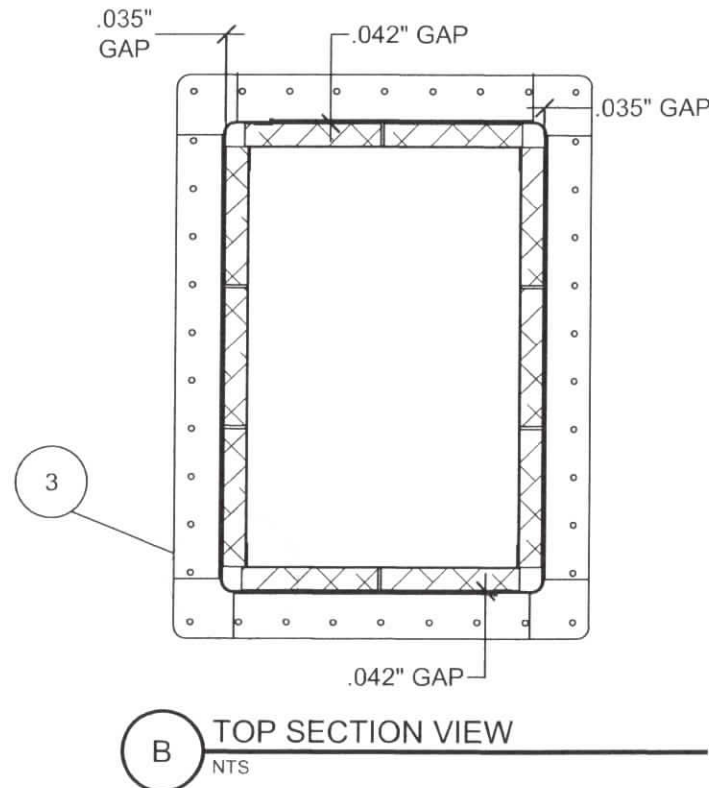
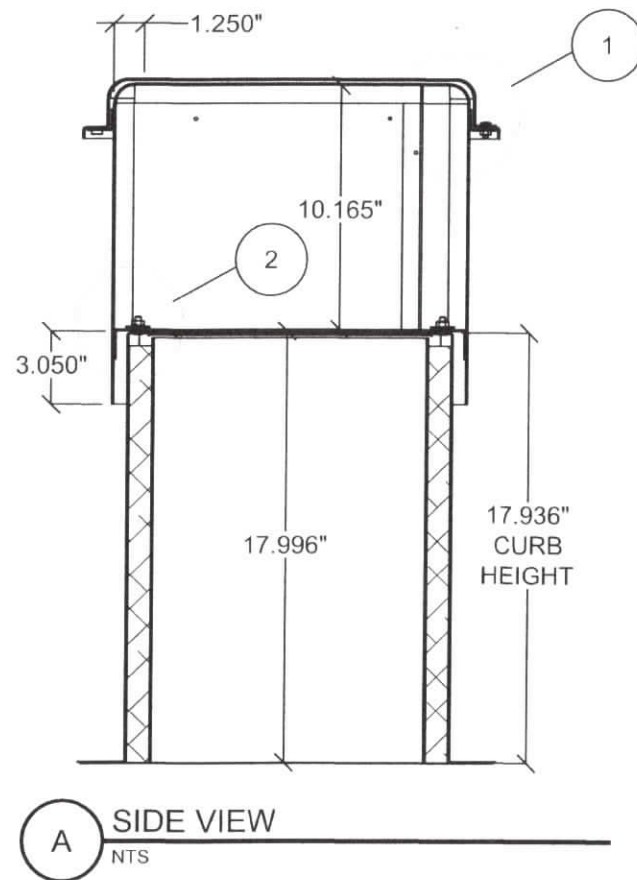
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JB / OG

DRAWN
KG

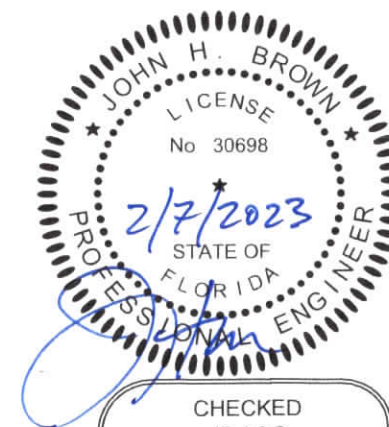
JOB NUMBER
20200641

DATE
04-13-2022

SHEET SIZE
11 x 17



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Miami-Dade Product Control

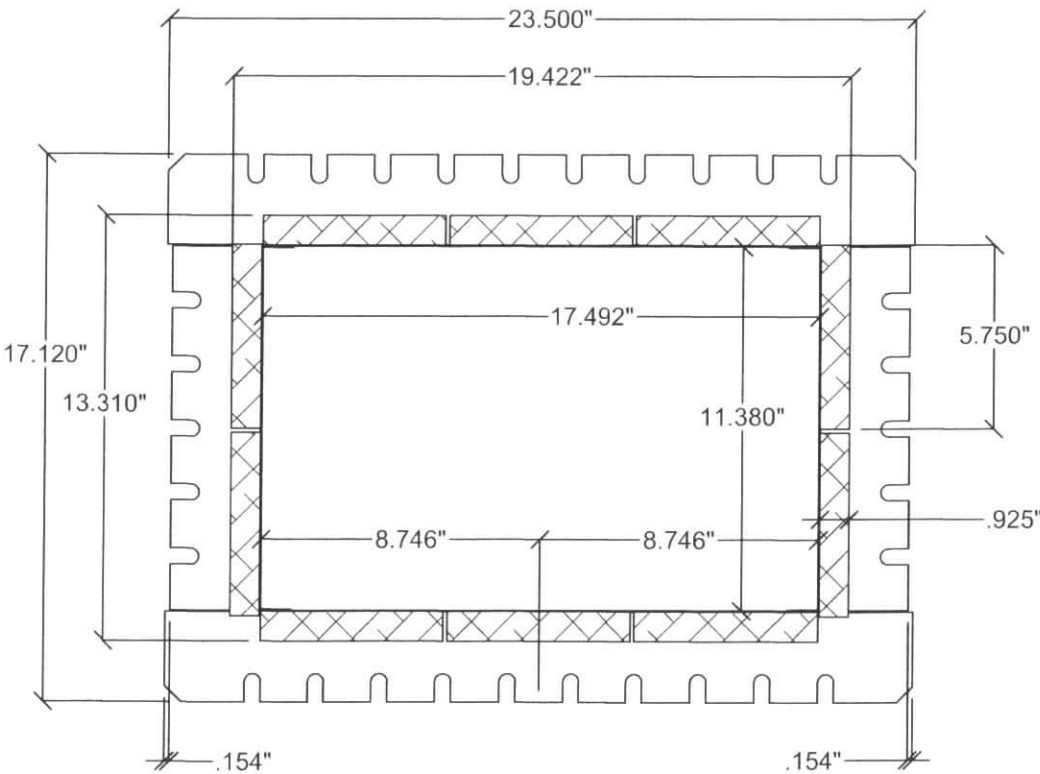
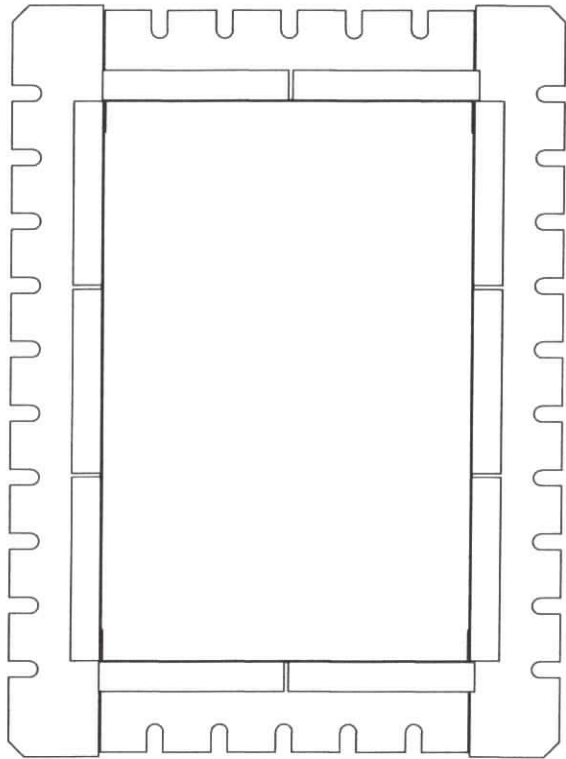


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JOB NUMBER 20200641
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18" MEDIUM CURB

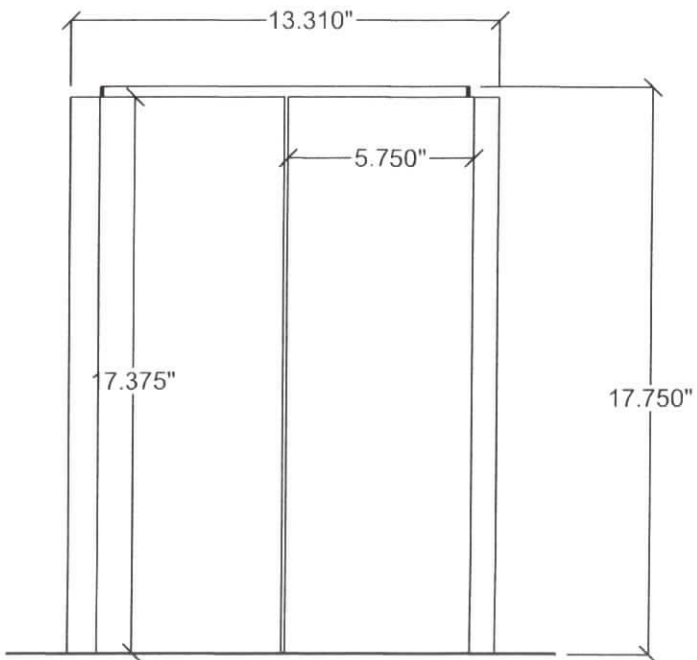
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TOP

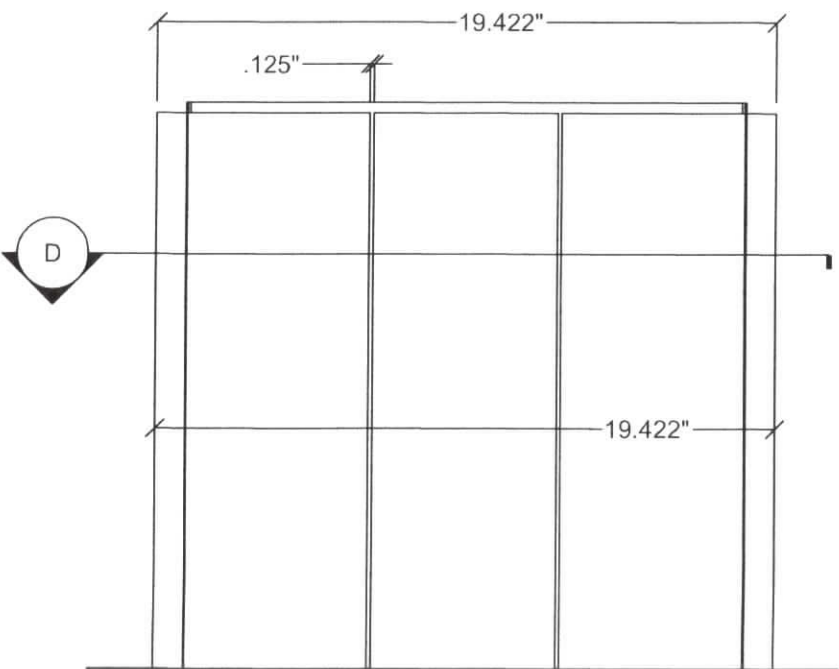


D SECTION VIEW
NTS

SIDE



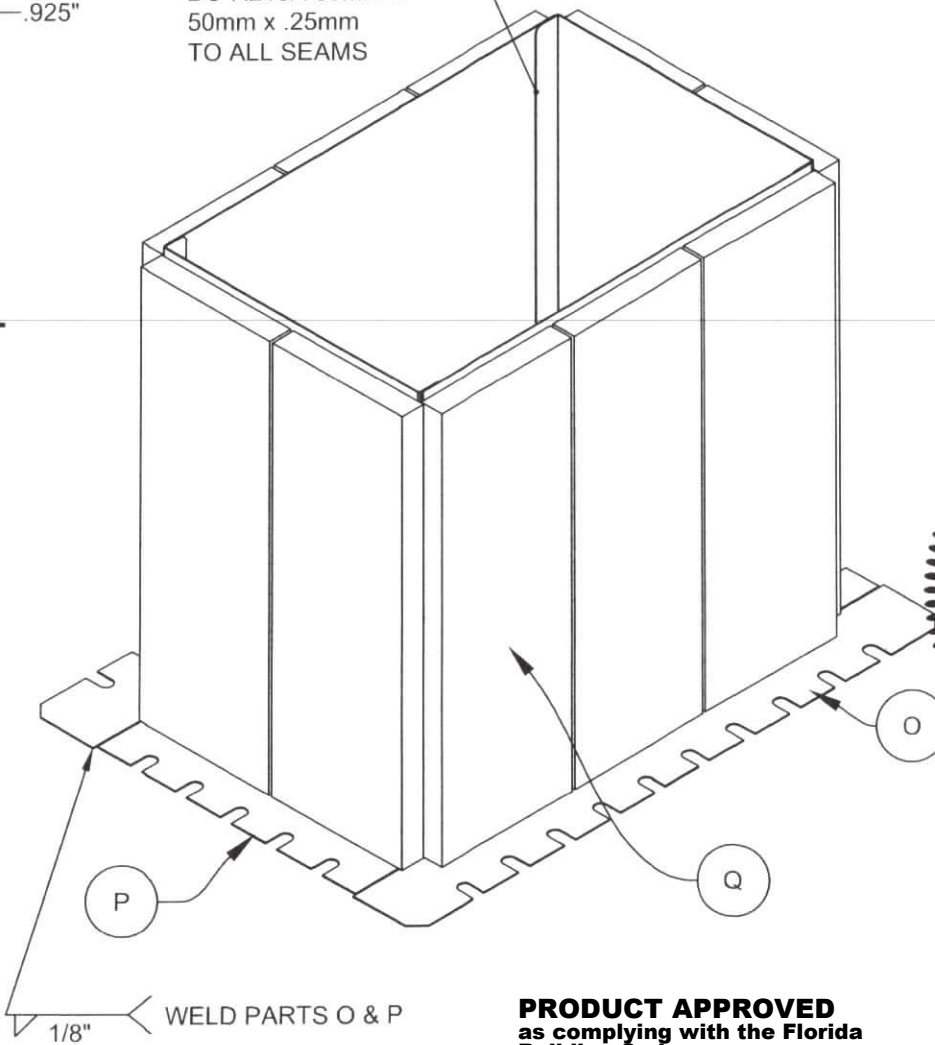
FRONT



ASSEMBLY 2 - PARTS O, P, Q
NTS

ISO

APPLY ECHO TAPE
DC-R218A 60mm x
50mm x .25mm
TO ALL SEAMS



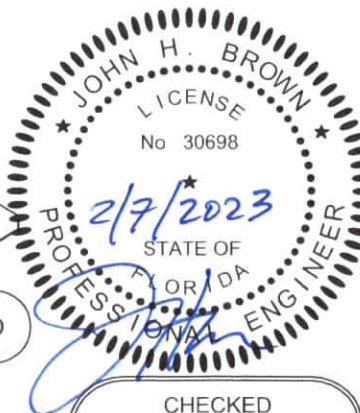
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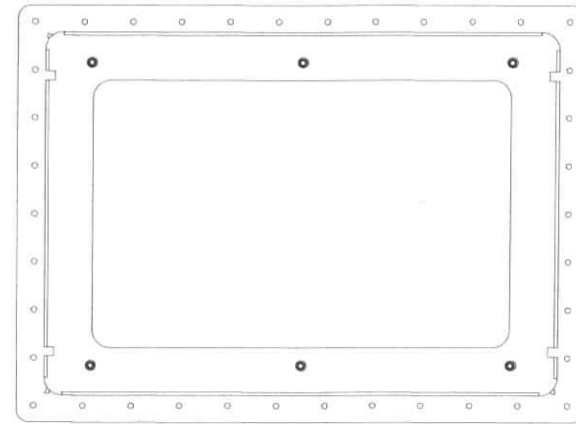
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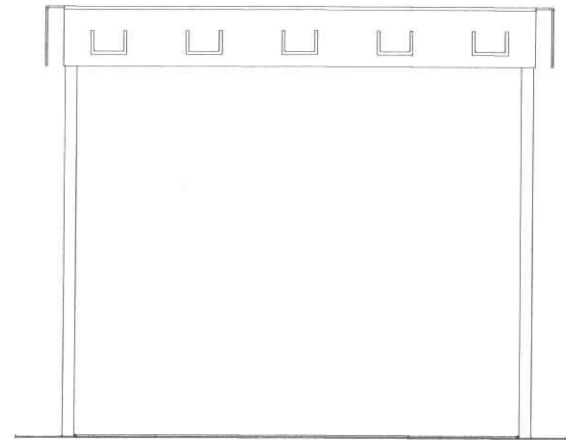
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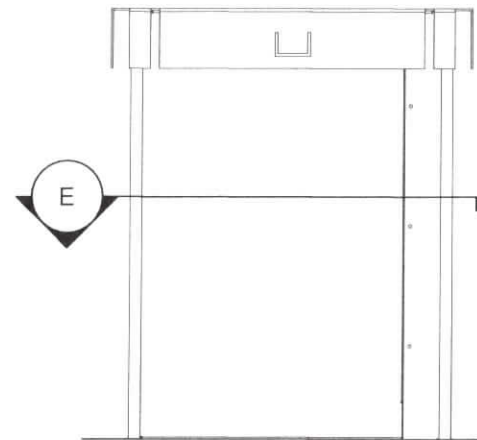
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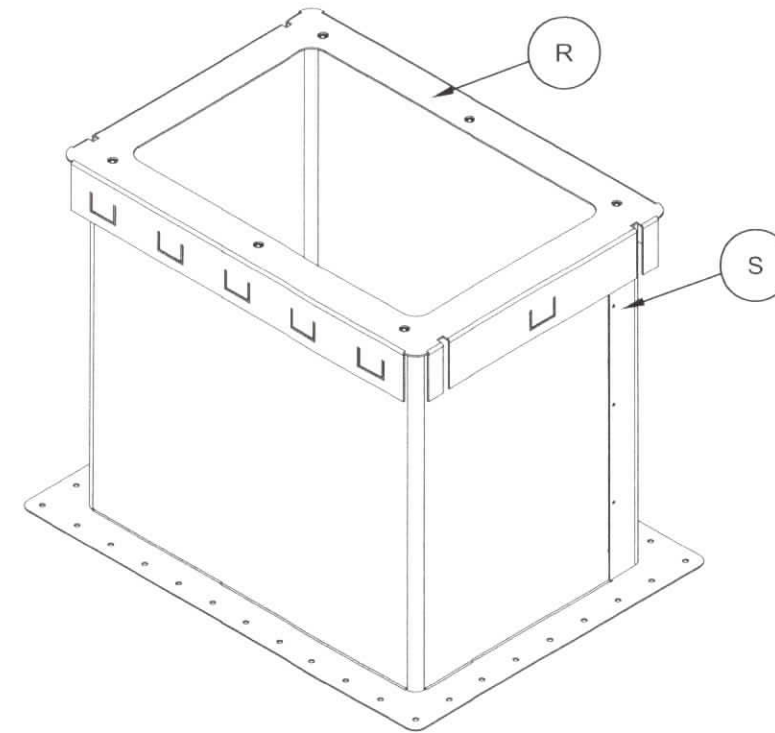
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SIDE



ISO

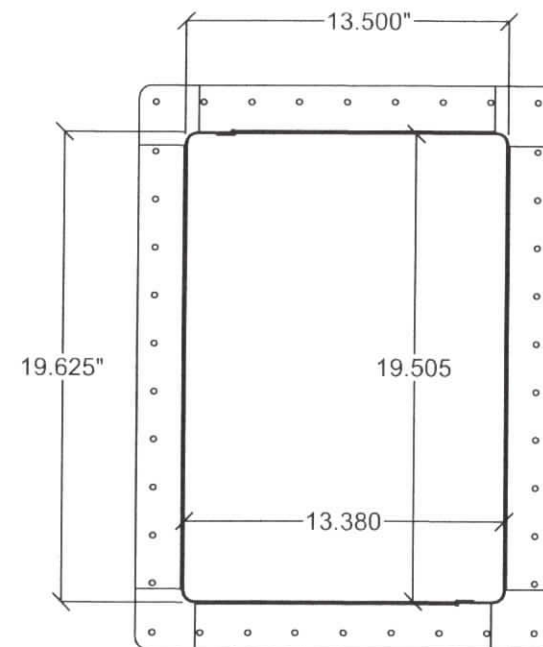


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ASSEMBLY 2 - PARTS R, S

NTS



E SECTION VIEW
NTS

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ASSEMBLY 2 INSTRUCTIONS

1. WELD PARTS O & P TOGETHER.
2. APPLY PART Q TO EXTERIOR OF PARTS O & P ALL AROUND INTERIOR PERIMETER WITH ADHESIVE.
3. APPLY TAPE TO ALL INTERNAL SEAMS BEFORE INSTALLING PANELS.
4. SLIDE PARTS R & S OVER.
5. REFERENCE MFG INSTRUCTIONS FOR MORE DETAIL.

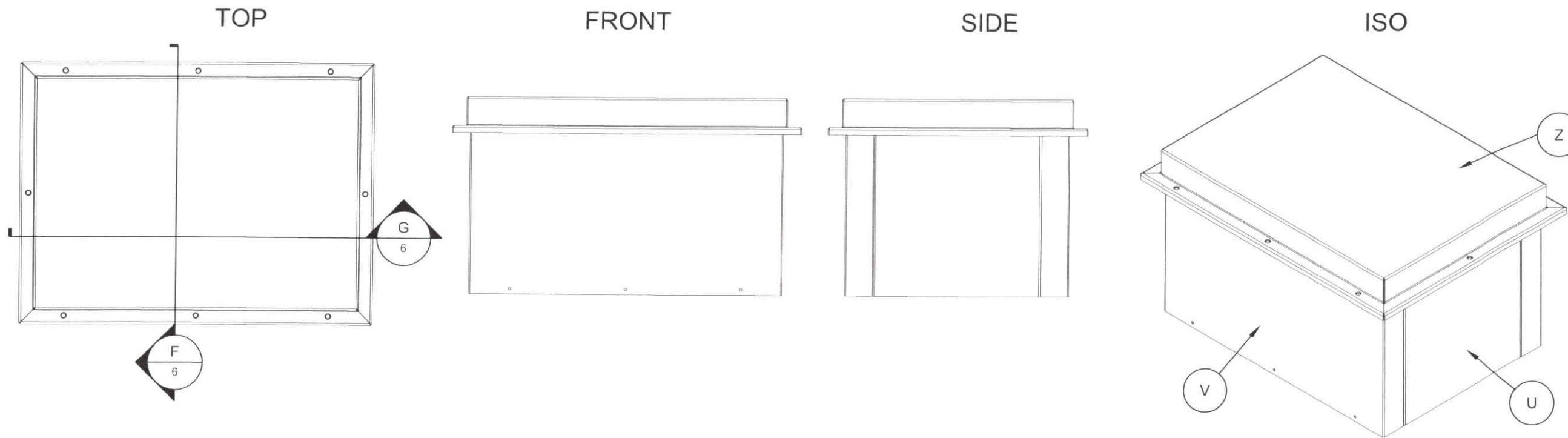
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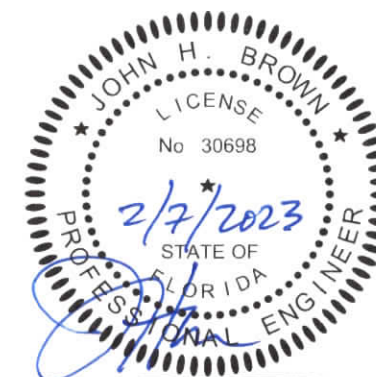
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ASSEMBLY 1
NTS

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ASSEMBLY 1 INSTRUCTIONS

1. BOLT TOGETHER PARTS U & V.
2. SLIDE IN FROM THE BOTTOM OF PARTS U & V AND BOLT PART W TO U & V.
3. LAY ON TOP PART Z AND BOLT IT TO PART U & V.
4. REFERENCE MFG INSTRUCTIONS FOR MORE DETAILS.



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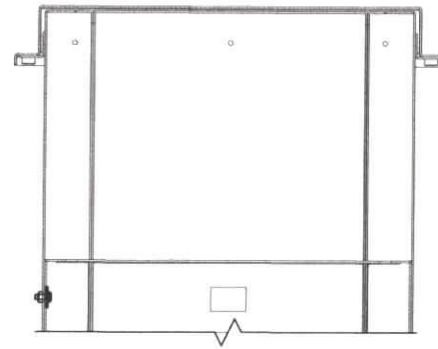
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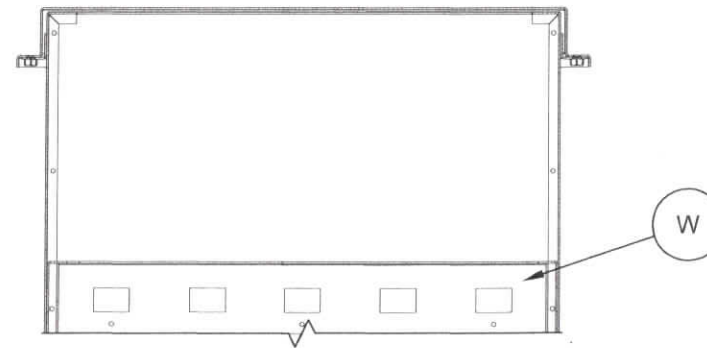
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5 OF 12



F ASSEMBLY 1 SECTION
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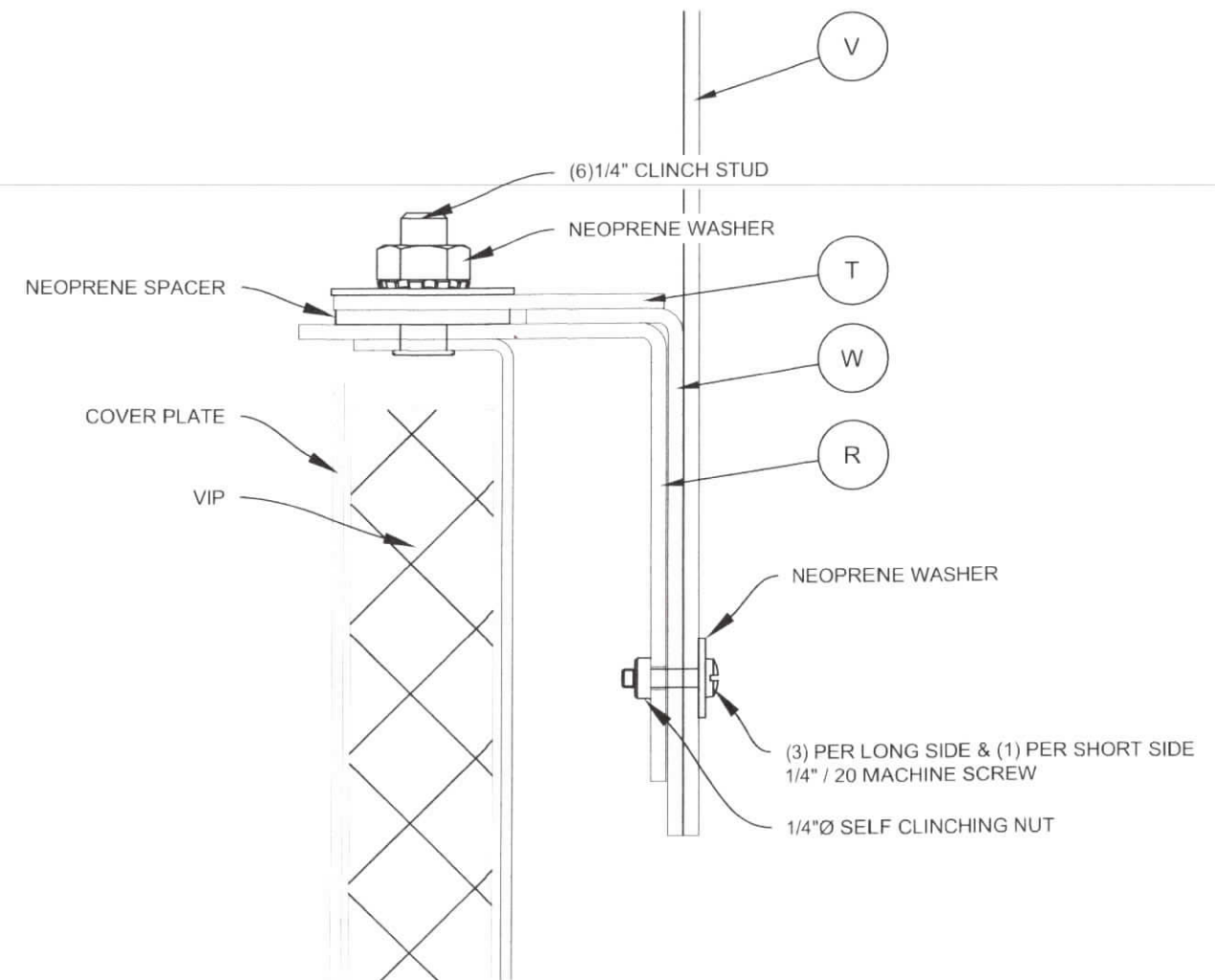


G ASSEMBLY 1 SECTION
NTS

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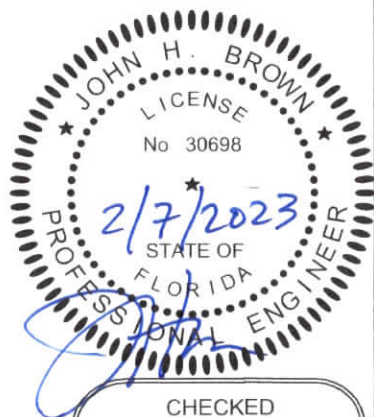


CONNECTION DETAIL - ASSEMBLY 1 TO 2
NTS

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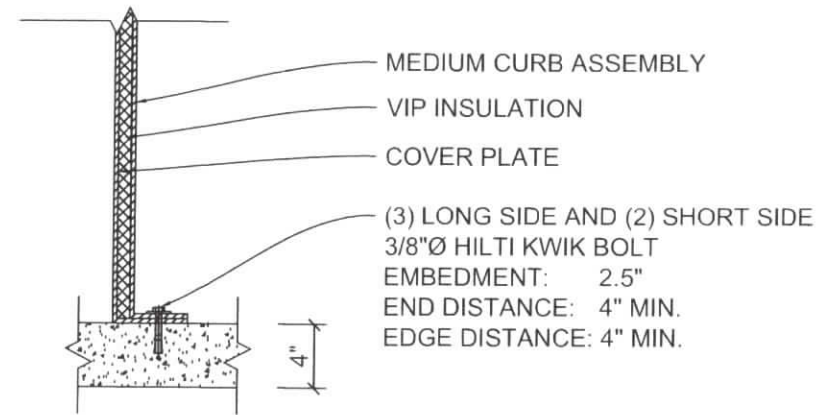
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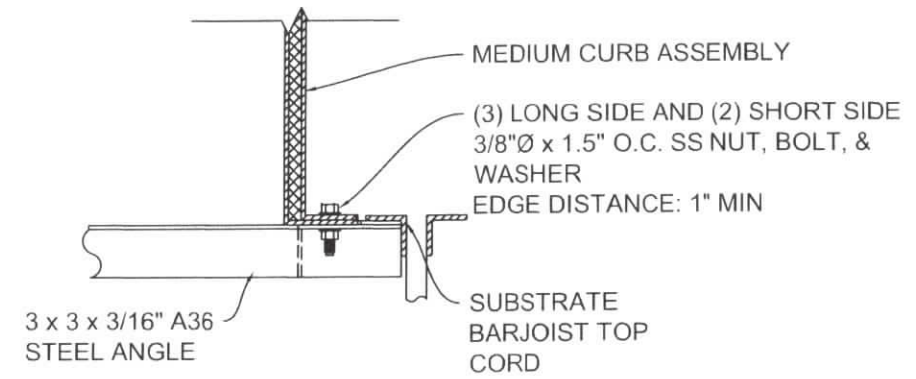
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ATTACHMENT TO CONCRETE

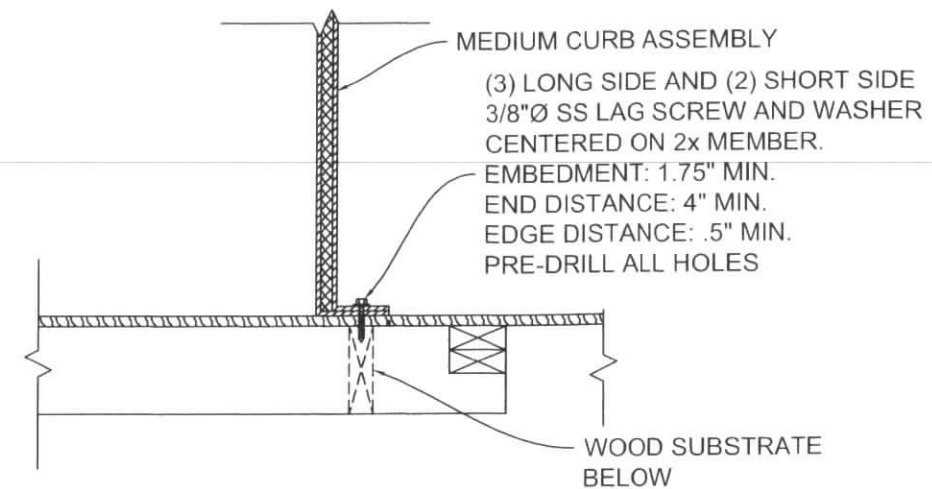
1" = 1'-0"



- NOTES:
- ALL NUTS TORQUE LOCKING.
 - PROVIDE PVC SHIMS BETWEEN DISSIMILAR METALS.

ATTACHMENT TO STEEL

1" = 1'-0"



ATTACHMENT TO WOOD

1" = 1'-0"

ANCHOR SCHEDULE

SUBSTRATE	DESCRIPTION
CONCRETE: (4" THICK MIN.)	3/8"Ø HILTI KWIK BOLT TC SS WEDGE ANCHORS INTO NON-CRACKED CONCRETE SEE DETAIL
STEEL	3/8"Ø 316 SS TO STRUCTURAL STEEL MIN 3/16" THK. SEE DETAIL
WOOD	3/8"Ø 316 SS LAG SCREW TO MIN 2x No.2 SYP. SEE DETAIL

NOTES:

- ALL SS FASTENERS 316 W/30KSI YIELD.
- ALL NUTS TORQUE LOCKING.
- ALL FASTENERS MUST BE RATED FOR EXTERIOR INSTALLATION.
- PROVIDE PVC SHIM BETWEEN DISSIMILAR METALS
- EMBEDMENT AND EDGE DISTANCE EXCLUDES FINISHES, IF APPLICABLE.
- ENSURE MINIMUM EDGE DISTANCE PER DETAILS AND MFG SPECIFICATIONS.
- INSTALL ALL ANCHORS PER MANUFACTURER'S SPECIFICATIONS.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EXISTING STRUCTURE IS STRUCTURALLY SOUND AND ABLE TO SAFELY ACCEPT NEW LOADS.

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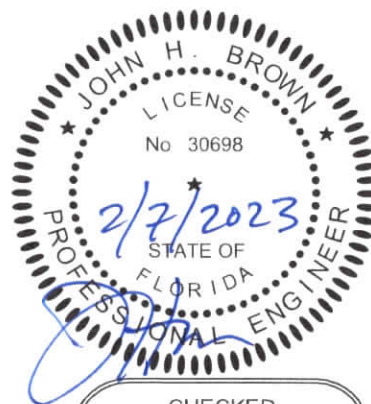
ATTACHMENT NOTES

- ANCHORAGE DESIGNED FOR ±80 PSF LATERAL & UPLIFT.
- ALL WOOD SHALL BE No. 2 SYP. OR BETTER.
- ALL STEEL SHALL BE A36 OR BETTER.
- CONCRETE SHALL BE 3000 PSI OR BETTER.
- ALL ROOF OPENINGS SHALL BE FLASHED BY ROOFING CONTRACTOR.
- CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT EXISTING STRUCTURE IS STRUCTURALLY SOUND AND ABLE TO SAFELY ACCEPT NEW LOADS.

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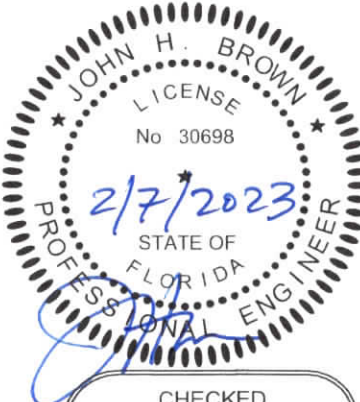
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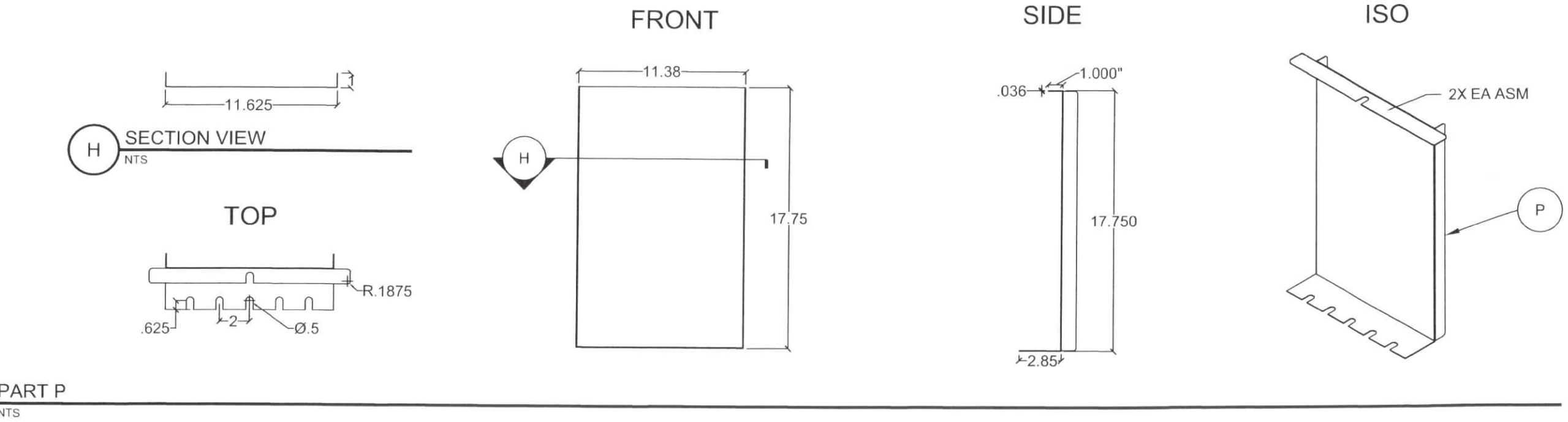
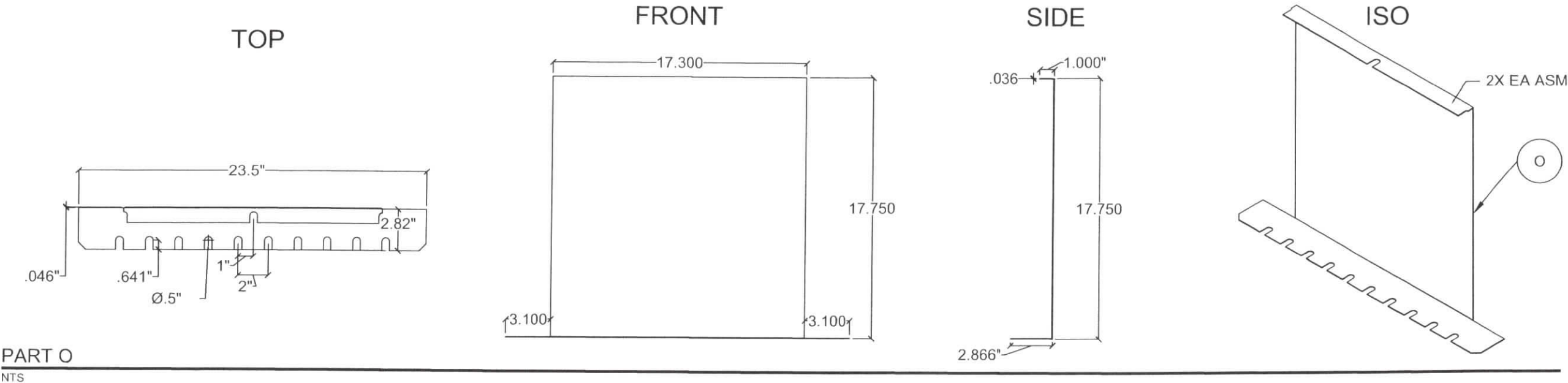
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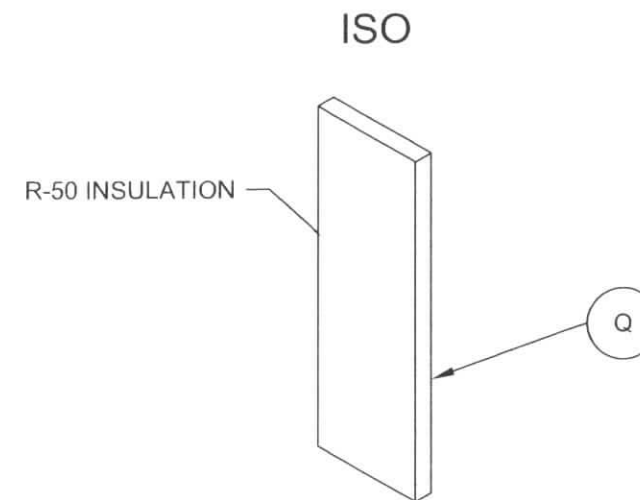
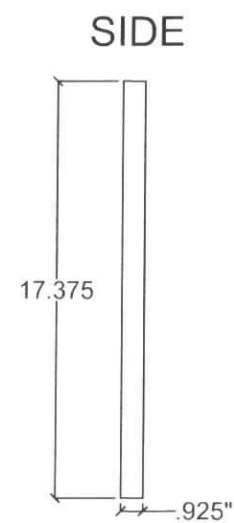
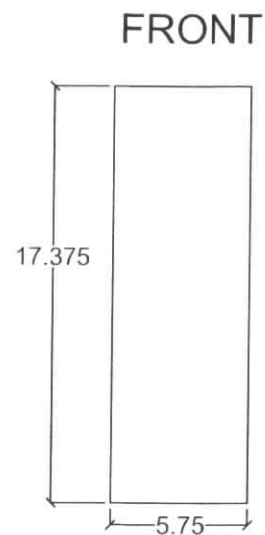
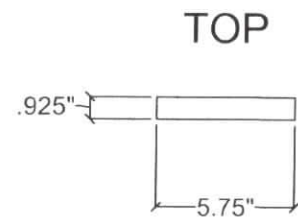
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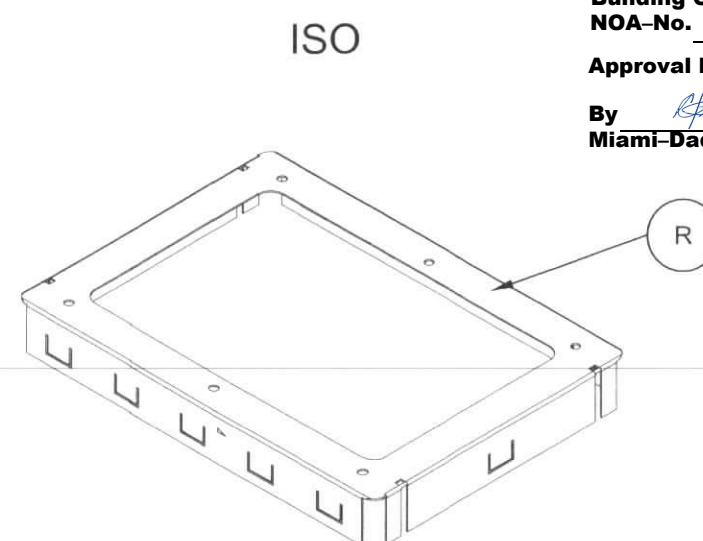
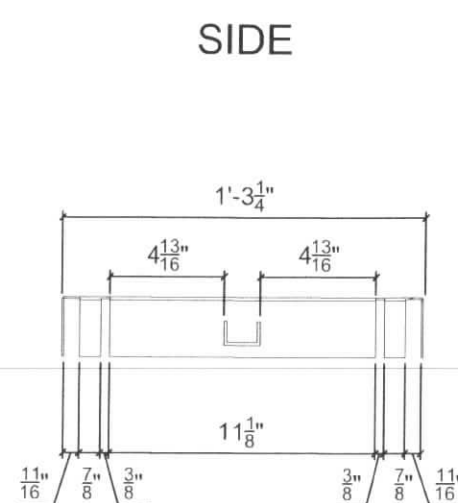
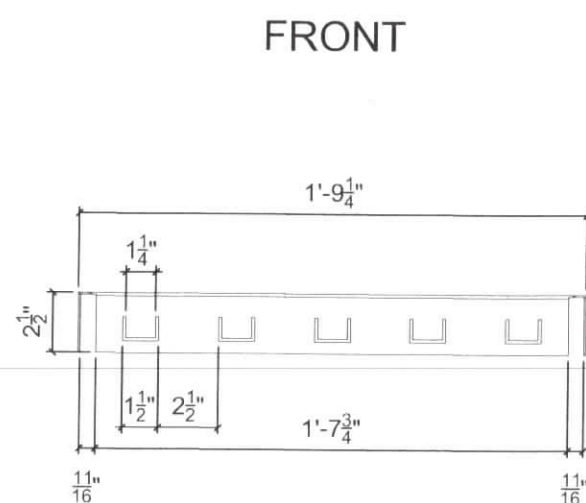
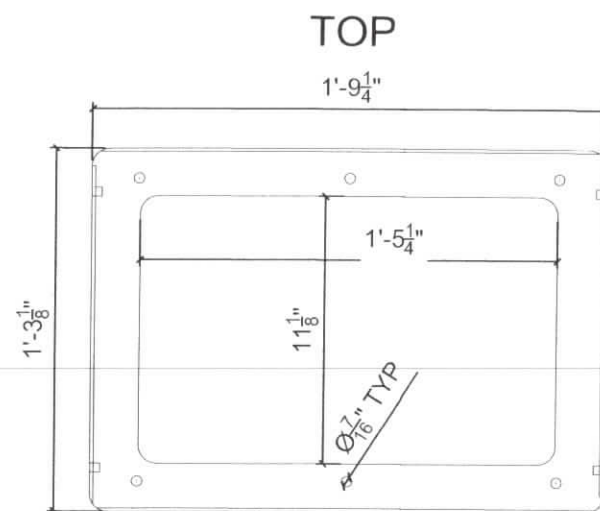
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DRAWN
KG
JOB NUMBER
20200641
DATE
04-13-2022
SHEET SIZE
11 x 17



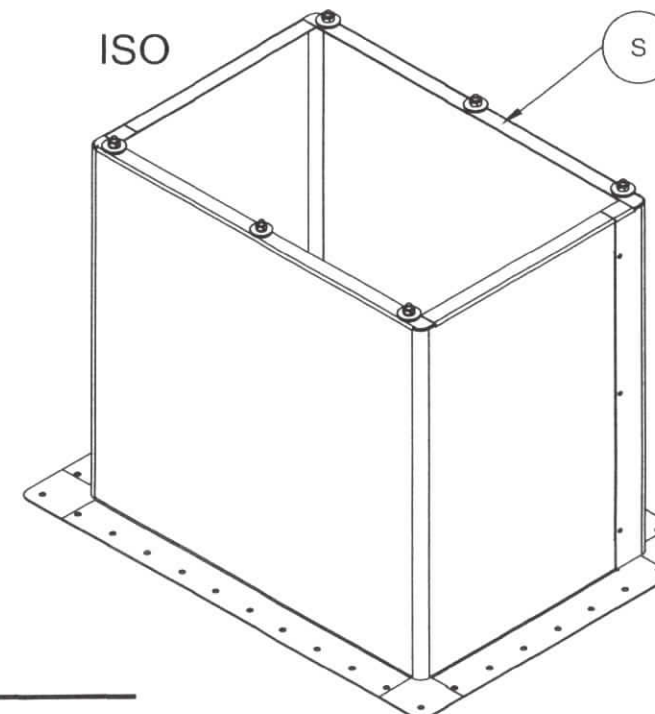
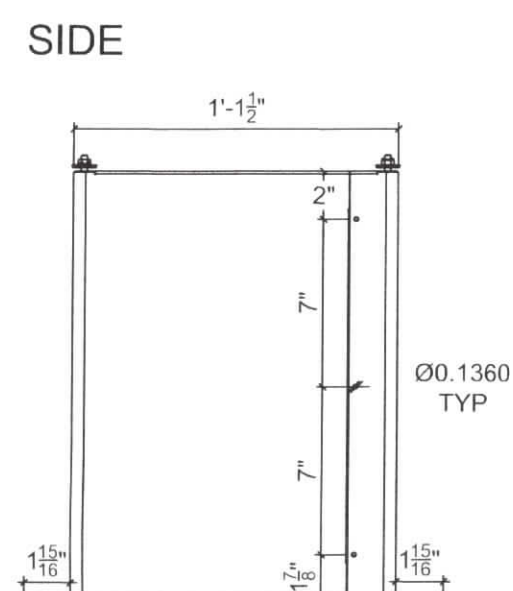
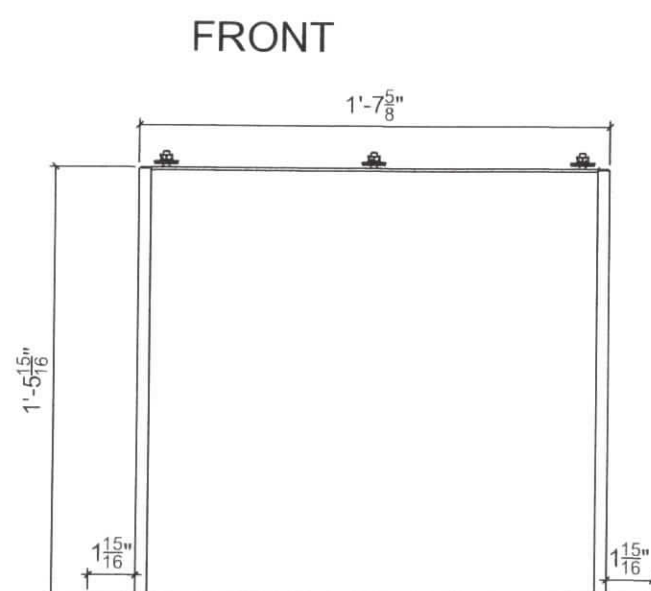
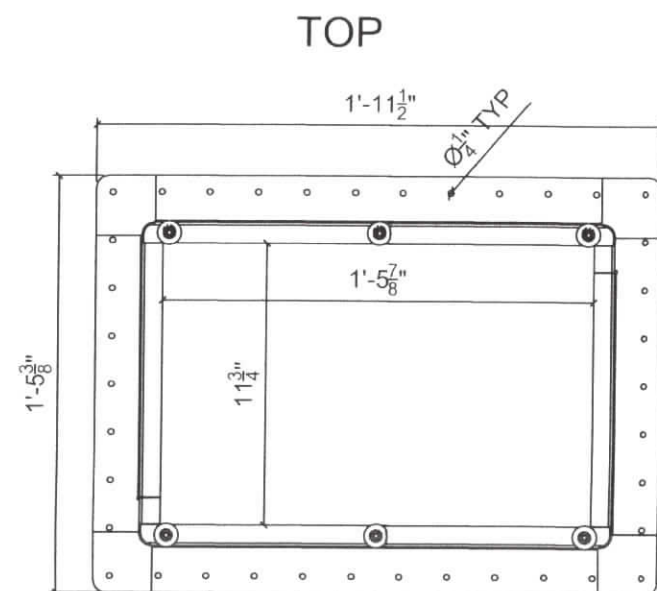


PART Q
NTS

PRODUCT APPROVED
as complying with the Florida
Building Code
NOA-No. 22-0809.05
Approval Date 02/23/2023
By *[Signature]*
Miami-Dade Product Control



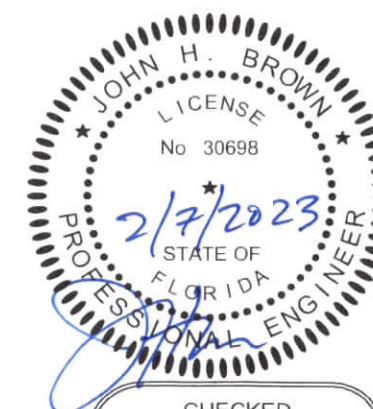
PART R
NTS



PART S
NTS



1777 BLOUNT RD #506
POMPANO BEACH, FL 33069 info@jb-pe.com 954.531.7393



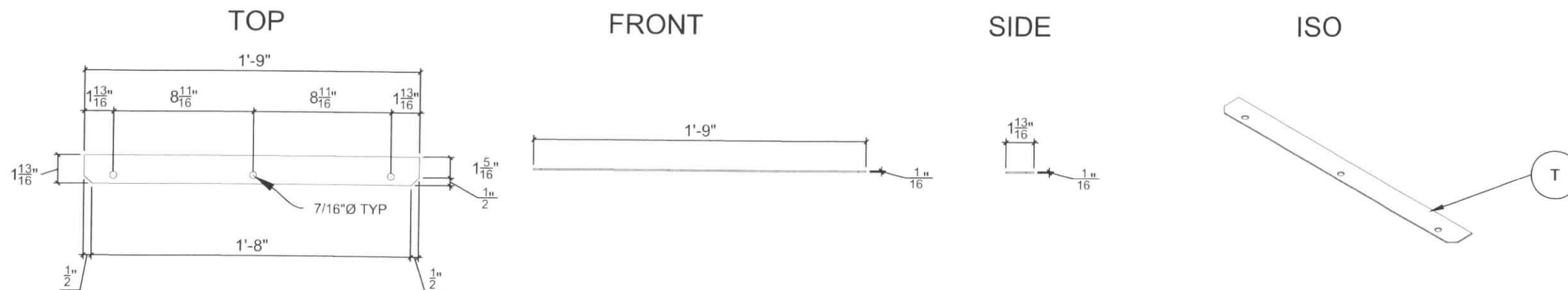
CHECKED
JB / OG

DRAWN
KG

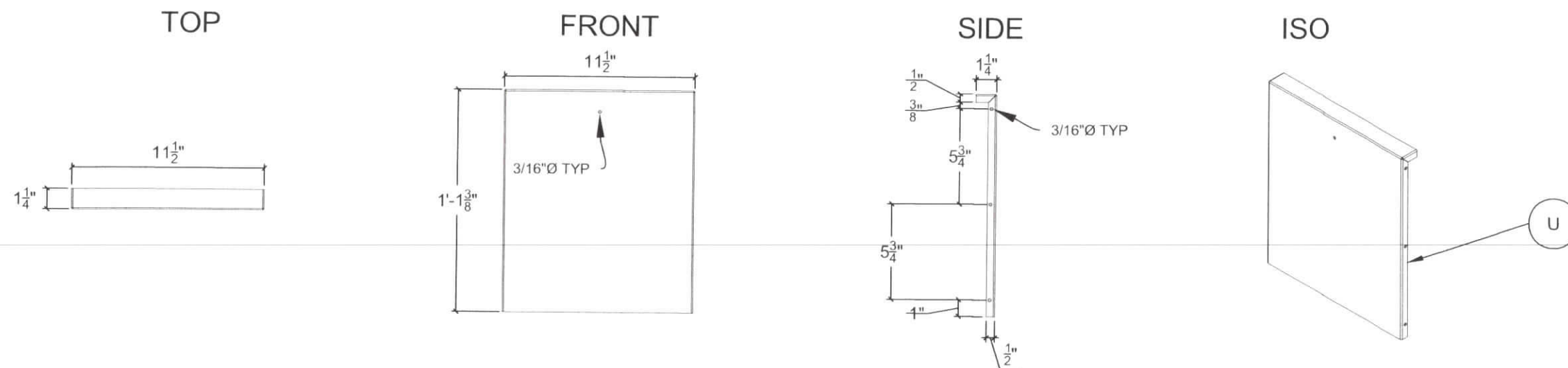
JOB NUMBER
20200641

DATE
04-13-2022

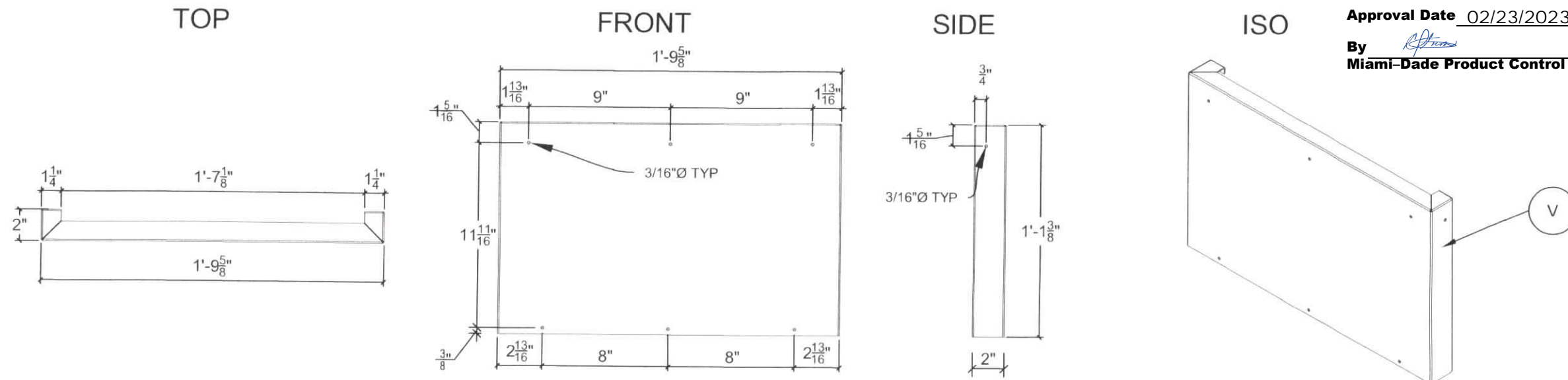
SHEET SIZE
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PART T
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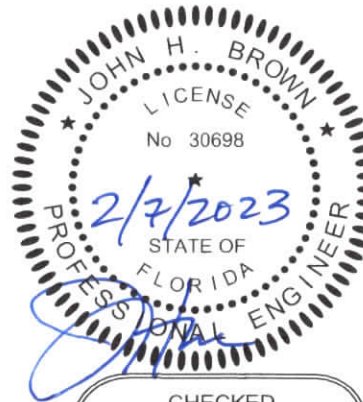


PART U
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PART V
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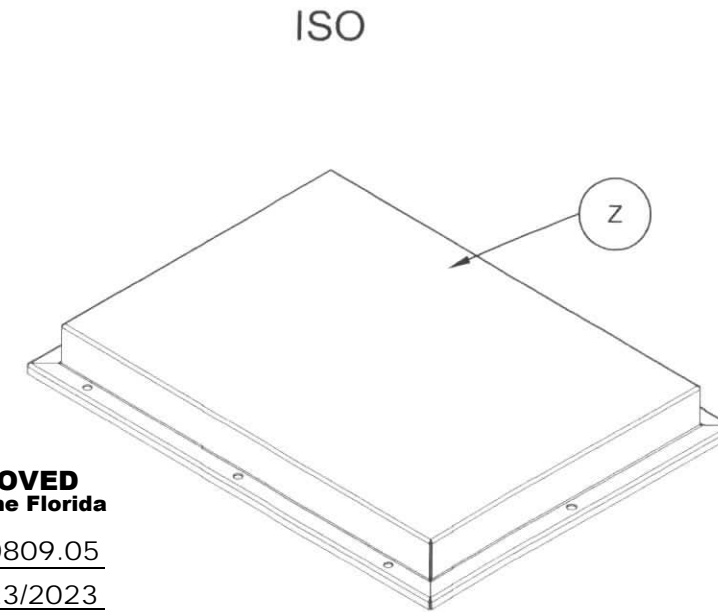
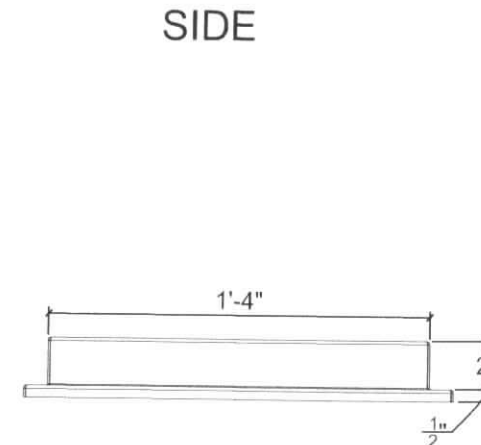
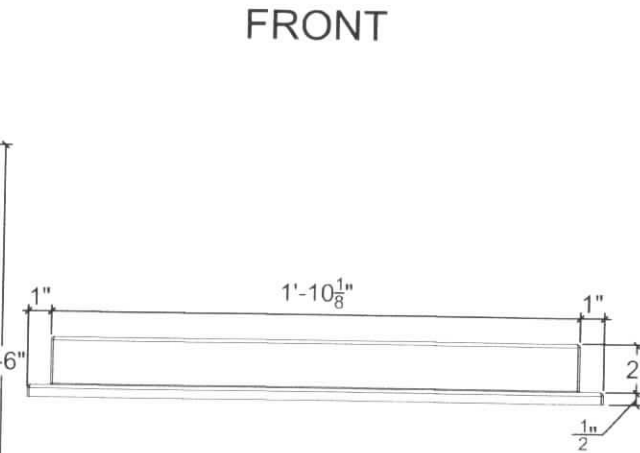
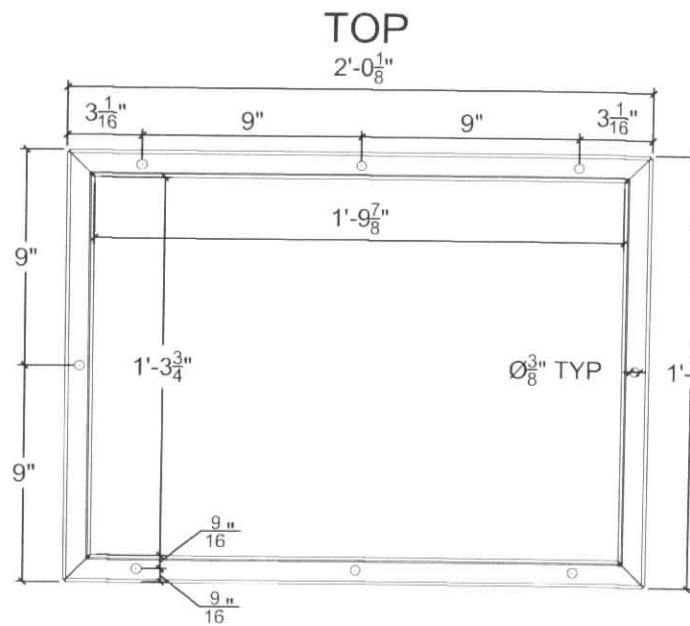
PRODUCT APPROVED
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DRAWN KG
JOB NUMBER 20200641
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10 OF 12

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info@jb-pe.com



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NOA-No. 22-0809.05

Approval Date 02/23/2023

By *[Signature]*
Miami-Dade Product Control

PART Z
NTS

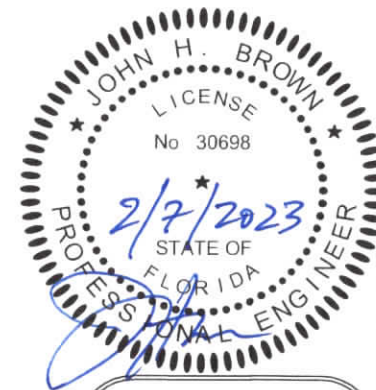
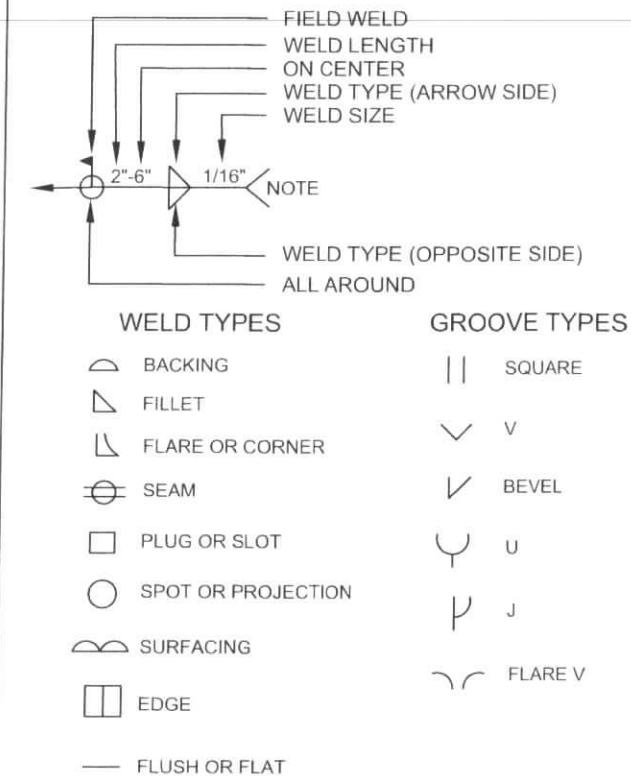
GENERAL NOTES

- NOTES APPLY TO ALL SHEETS.
- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE STRUCTURAL PROVISIONS OF THE FLORIDA BUILDING CODE SEVENTH EDITION (2020).
- THE ARCHITECT/ENGINEER OF RECORD FOR THE PROJECT SUPERSTRUCTURE WITH WHICH THIS DESIGN IS USED SHALL BE RESPONSIBLE FOR THE INTERGRITY OF ALL SUPPORTING SURFACES TO THIS DESIGN WHICH SHALL BE COORIDANTED BY THE PERMITTING CONTRACTOR.
- REACTION FORCES LISTED FOR USE WITH HOST STRUCTURE VERIFICATION ARE CALCULATED USING ASD METHODOLOGY. DESIGN PROFESSIONAL OF RECORD TO VERIFY APPLICABILITY AND/OR ADDITIONAL FACTORS FOR USE WITH HOST STRUCTURE VERIFICATION.
- ALL FASTENERS TO BE #10 OR GREATER SAE GRADE 5, UNLESS NOTED OTHERWISE, CADMIUM PLATED OR OTHERWISE CORROSION RESISTANT MATERIAL AND SHALL COMPLY WITH J.3.3, SPECIFICATIONS FOR ALUM. STRUCTURES - SECTION 1, THE ALUMINUM ASSOCIATION, INC., & APPLICABLE FEDERAL, STATE, AND LOCAL CODES. PROVIDE (5) PITCHES MIN PAST THREAD PLANE.
- ALL EXISTING CONCRETE SUBSTRATE SHALL HAVE MINIMUM F'C COMPRESIVE STRENGTH OF 3000 PSI AS VERIFIED BY OTHERS.
- ALUMINUM WELDING SHALL BE PERFORMED IN ACCORDANCE WITH FBC SECTION 2003 WITH WELD FILLER ALLOYS MEETING ANSI/AWS A5 STANDARDS TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL. SUGGESTED WELD FILLER: 5336 ELECTRODES. ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY AND METHODS OF CONSTRUCTION AS SET FORTH IN FBC

SECTION 2003 AND THE AMERICAN WELDING SOCIETY'S. STRUCTURAL WELDING CODE-ALUMINUM (D1). MINIMUM WELD 1/8 " THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED.

- THE CONTRACOR IS RESPONSIBLE TO INSULATE MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRIAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS. ALL MECHANICAL SPECIFICATIONS (CLEAR SPACE, TONNAGE, ECT.) SHALL BE AS PER MANUFACTURER RECOMMENDATIONS AND ARE THE EXPRESS RESONSIBILITY OF THE CONTRACTOR.
- ENGINEER SEAL AFFIXED HERETO VALIDATES STRUCTURAL DESIGN AS SHOWN ONLY. USE OF THIS SPECIFICATION BY CONTRACTOR, ET AL. INDEMNIFIES & SAVES HARMLESS THIS ENGINEER FOR ALL COST AND DAMAGES INCLUDING LEGAL FEES & APPELLATE FEES RESULTING FROM MATERIAL FABRICATION, SYSTEM ERECTION, CONSTRUCTION PRACTICES BEYOND THAT WHICH IS CALLED FOR BY LOCAL, STATE, & FEDERAL CODES & FROM DEVIATIONS OF THIS PLAN.
- THE SYSTEM DETAILED HEREIN IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- EXPECT AS EXPRESSLY PROVIDED HEREIN, NO ADDIITIONAL CERTIFICATIONS OR AFFIRMA ARE INTENDED.
- PRODUCT SHALL LABELED PER MIAMI-DADE REQUIREMENTS FOR NON-MANDATORY PRODUCT APPROVALS IN ACCORDANCE WITH THE FLORIDA BUILDING CODE.

WELD TAG LEGEND



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