



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)

Outfront Media, Inc.
8530 NW 23rd Street
Doral, Florida 33122

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: Miami Bus Shelter Cantilevered Slim Version W/O Oppi Pal-Li Solar Display Panel

APPROVAL DOCUMENT: Drawing No. 23-123, titled "Miami Bus Shelter Cantilevered Slim Version W/O Oppi Pal-Li Solar Display Panel", sheets 1 through 14 of 14, prepared by Tilteco, Inc., dated 07/21/23, signed and sealed by Walter A. Tillit Jr., P.E. on 07/21/23, 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: None

LABELING: Each bus shelter 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 approval is limited to only the Structural Adequacy of the Bus Shelter and the display unit. All others are not part of this Approval.

This NOA revises NOA #21-0601.05 and consists of this page 1, the evidence submitted page E-1 as well as approval document mentioned above.

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



Helmy A. Makar
03/07/24

NOA No. 23-0816.25
Expiration Date: 07/22/2026
Approval Date: 03/07/2024

Outfront Media, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS APPROVAL # 03-0908.01

A. DRAWINGS:

1. *Drawing No. 22-286, titled "Miami Bus Shelter Cantilevered Slim Version W/O Oppi Pal-Li Solar Display Panel", sheets 1 through 14 of 14, prepared by Tilteco, Inc., dated 04/15/21, signed and sealed by Walter A. Tillit Jr., P.E. on 04/29/21.*

B. TESTS:

1. *Test report on Uniform Static Air Pressure Test, TAS 202, of bus shelter, prepared by Fenestration Testing Laboratory, Inc., Report No. 12561, dated May 12, 2021, signed and sealed by Idalmis Ortega, P.E., on May 17, 2021.*

C. CALCULATIONS:

1. *Miami Bus Shelter Cantilevered Slim Version W/O Oppi Pal-Li Solar Display Panel and anchor analysis dated 04/29/2021, Pages 1 through 31 of 31, prepared by Tilteco, Inc., signed and sealed by Walter A. Tillit Jr., P.E., on 04/29/2021.*

D. QUALITY ASSURANCE:

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

E. MATERIAL CERTIFICATION:

1. *None.*

F. OTHERS

1. *Letter of compliance to the FBC, 2020 Edition, prepared by Tilteco, Inc., dated April 21, 2021, signed and sealed by Walter A. Tillit Jr., P.E.*

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS:

1. *Drawing No. 23-123, titled "Miami Bus Shelter Cantilevered Slim Version W/O Oppi Pal-Li Solar Display Panel", sheets 1 through 14 of 14, prepared by Tilteco, Inc., dated 07/21/23, signed and sealed by Walter A. Tillit Jr., P.E. on 07/21/23.*

B. TESTS:

1. *None.*

C. CALCULATIONS:

1. *None.*

D. QUALITY ASSURANCE:


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

E. MATERIAL CERTIFICATION:

1. *None.*

F. OTHERS

1. *Letter of compliance to the FBC, 2023 Edition, prepared by Tilteco, Inc., dated 07/21/23, signed and sealed by Walter A. Tillit Jr., P.E.*


Helmy A. Makar, P.E., M.S.
Product Control Section Supervisor
NOA No. 23-0816.25
Expiration Date: 07/22/2026
Approval Date: 03/07/2024

MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

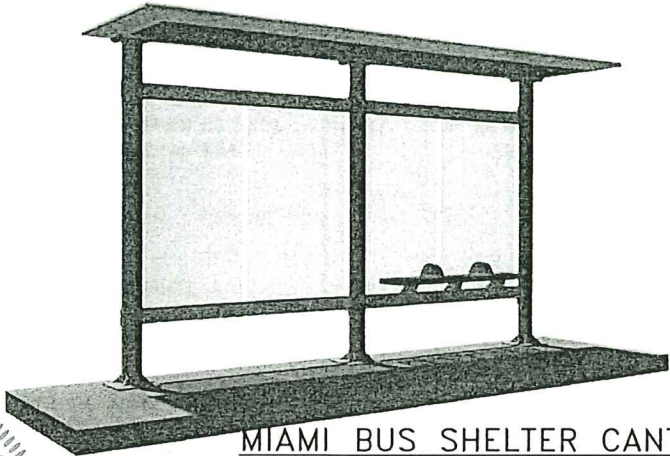
GENERAL NOTES:

(I) MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

- 1.- MIAMI BUS SHELTER CANTILEVERED SLIM VERSION SHOWN ON THIS PRODUCT APPROVAL DOCUMENT (P.A.D.) HAS BEEN VERIFIED FOR CODE COMPLIANCE IN ACCORDANCE WITH THE 2020 (7th EDITION) AND 2023 (8th EDITION) OF THE FLORIDA BUILDING CODE. DESIGN WIND LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH SECTION 1620 OF THE ABOVE MENTIONED CODE, FOR A BASIC WIND SPEED OF 175 M.P.H. AND IN ACCORDANCE WITH ASCE 7-16 (FBC 2020) AND ASCE 7-22 (FBC 2023) STANDARD. TESTING FOR WIND CAPACITY HAS BEEN PERFORMED IN ACCORDANCE OF TAS-202 AND AS PER ASTM E-330 STANDARD, PER FENESTRATION TESTING LAB REPORT # 12561. THIS STRUCTURE SHALL ONLY BE INSTALLED WHERE A.S.D. DESIGN WIND LOADS DO NOT EXCEED THE MAXIMUM VALUES INDICATED BELOW. (SEE NOTE 13 BELOW).
MAXIMUM A.S.D. DESIGN LOADS ARE:
DEAD LOADS ON STRUCTURAL ROOF: 5.0 P.S.F.
LIVE LOADS ON STRUCTURAL ROOF: 30 P.S.F.
MAX. A.S.D. DESIGN PRESSURE RATING FOR WIND:
- ON STRUCTURAL ROOF: +50, -50 P.S.F. (S.F.=2.00)
- ON REAR GLASS WALL: +50, -50 P.S.F. (S.F.=1.50)
- 2.- ALL STEEL POSTS AND PLATES TO BE MADE OF AISI 304 SERIES WITH A MINIMUM YIELD STRENGTH OF 42.0 ksi.
- 3.- ALL ALUMINUM EXTRUSIONS SHALL BE MADE OF A MINIMUM ALUMINUM ASSOCIATION ALLOY AND TEMPER CORRESPONDING TO BILL OF MATERIALS SHEET 2.
4. ALL ALUMINUM EXTRUSIONS IN CONTACT WITH DISSIMILAR MATERIALS SHALL COMPLY WITH SECTION III-6 OF THE 2015 AND 2020 ALUMINUM DESIGN MANUAL.
5. BENCH MATERIAL SHALL BE ASTM A-1011 HOT ROLLED STEEL, W/ A MINIMUM YIELD STRENGTH OF 40.0 ksi, PAINTED AS PER FEDERAL SPECIFICATIONS CORRESPONDING TO RED OXIDE PAINT OR EQUAL. MATERIAL TO BE COATED WITH DENFLEX PX-12412 PVC PLASTISOL COATING, 0.125" THICK, AS MANUFACTURED BY POLYONE, CHICAGO, ILLINOIS W/ 10.4 Lb/Gallon DENSITY, 2300 psi TENSILE STRENGTH (ASTM D-412), 419 ppi TEAR STRENGTH (ASTM D-624). COATING WAS EXPOSED FOR 1000 hrs. IN A QUV ULTRAVIOLET CHAMBER, RESULTING ON SOME LOSS OF GLOSS BUT NO PHYSICAL PROPERTY DEGRADATION. COATING SHALL MAINTAIN A COMFORTABLE TEMPERATURE OF BENCH'S SURFACE UNDER EXTREME WEATHER CONDITIONS (HOT OR COLD). THIS ENGINEER IS NOT RESPONSIBLE FOR THE THERMAL PERFORMANCE OF THIS COATING, WHICH SHALL BE GUARANTEED BY THE COATING MANUFACTURER. MAXIMUM ALLOWABLE BENCH CAPACITY IS 550 lbs. (S.F.=2.00).
- 6.- ALL MACHINE SCREWS & BOLTS TO BE AISI 304 OR 316 SERIES STAINLESS STEEL. MINIMUM SHEAR STRENGTH SHALL BE 60.0 ksi. MINIMUM TENSILE STRENGTH SHALL BE 90.0 ksi. AS PER ASTM A-276 STANDARD. ALL SHEET METAL SCREWS TO BE STAINLESS STEEL 304 OR 316 AISI SERIES OR CORROSION RESISTANT COATED CARBON STEEL AS PER DIN 50018 WITH 50 ksi YIELD POINT AND 90 ksi TENSILE STRENGTH & SHALL COMPLY W/ FLORIDA BUILDING CODE SECTION 2411.3.3.4.
- 7.- ALL RIVETS TO BE 5052 ALUMINUM ALLOY WIDTH ALUMINUM MANDREL.
- 8.- ALL WELDING OF STAINLESS STEEL MEMBERS SHALL BE PERFORMED IN ACCORDANCE WITH THE AMERICAN WELDING SOCIETY AWS D1.6 REGULATIONS. ELECTRODES SHALL BE MADE OF STAINLESS STEEL WITH A MINIMUM TENSILE STRENGTH OF 80.0 ksi (A.W.S. CLASSIFICATION E-308, E309 OR EQUAL. ALL WELDING OF ALUMINUM MEMBERS TO CONFORM WITH THE AMERICAN WELDING SOCIETY A.W.S. D.1.2 REGULATIONS. USE E-5556 OR 5356 ELECTRODES. USE CERTIFIED WELDERS. WELDING OF HOT ROLLED STEEL SHALL COMPLY WITH AWS D.1.1 REGULATIONS, USING E60XX ELECTRODES.
- 9.- STRUCTURAL INSULATED ROOF PANEL IS A 3" THICK 1LB/FT³ DENSITY EXPANDED POLYSTYRENE AS MANUFACTURED BY DYPLAST PRODUCTS LLC., W/ MIAMI DADE COUNTY PRODUCT APPROVED, WITH 0.035" THICK. (STUCCO EMBOSSED) 3003-H154, ALUMINUM SKIN (W/ A MINIMUM YIELD STRENGTH OF 28.00 ksi) TOP AND BOTTOM AND ADHERED TO POLYSTYRENE TO SKIN WITH MOR-AD M-464 URETHANE PREPOLYMER SOLUTION, PRODUCED BY MORTON INTERNATIONAL, INC. CHICAGO, ILLINOIS 60606-1598.
- 10.- GLASS AT REAR WALL OF BUS SHELTER SHALL BE 10mm THICK, TEMPERED AND SHALL COMPLY WITH 16CFR-1201.
- 11.- ANCHORS USED TO CONNECT POST'S BASE PLATES TO CONCRETE FOUNDATION SHALL BE AS FOLLOWS:
-3/4" DIAMETER ENVIRE-X COATED, F_u=120ksi LDT STEEL ANCHOR, TO BE MANUFACTURED BY RED HEAD AND TO PENETRATE A MINIMUM OF 5" INTO CONCRETE FOUNDATION MAT. ANCHOR SHALL BE INSTALLED STRICTLY FOLLOWING THE SPECIFICATIONS OF THE ANCHOR MANUFACTURER AND THE DETAILS SHOWN ON THIS PRODUCT APPROVAL DOCUMENT.
- 12.- ALL CONCRETE TO DEVELOP A 28 DAY MINIMUM COMPRESSIVE STRENGTH f'c OF 3000 psi. ALL REBARS TO BE ASTM A-615 DEFORMED BARS. ALL CONCRETE CONSTRUCTION TO COMPLY WITH ACI 318-14 AND ACI 318-19 BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE.
- 13.- INSTALLATION OF SHELTER IS ONLY VALID WITHIN EXPOSURE C AS DEFINED BY ASCE 7-16 AND ASCE 7-22 STANDARD.

(II) MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

- 1.- ALL MECHANICAL DETAILS AND SPECIFICATIONS, AS APPLICABLE, ARE NOT PART OF THIS DRAWING. THEY SHALL BE PREPARED A FLORIDA REGISTERED ENGINEER OR ARCHITECT AND SHALL BE REVIEWED BY THE CORRESPONDING BUILDING DEPARTMENT IN ORDER TO ISSUE A PERMIT FOR CONSTRUCTION.
- 2.- ALL ZONING DETAILS AND SPECIFICATIONS NEEDED FOR THE LOCATION, USE AND CONSTRUCTION OF BUS SHELTER SLIM VERSION IS NOT PART OF THIS DRAWING AND SHALL BE SUBMITTED SEPARATELY TO THE CORRESPONDING ZONING DEPARTMENT IN ORDER TO ISSUE A PERMIT FOR CONSTRUCTION.
- 3.- MINIMUM SOIL BEARING CAPACITY SHALL BE 2000 P.S.F.
- 4.- SHELTER'S DIMENSIONS HAVE BEEN PROVIDED TO THIS OFFICE BY MIAMI DADE COUNTY TRANSIT DEPARTMENT AND THEY NOT HAVE BEEN ESTABLISHED BY THIS OFFICE.
- 5.- (a.) THIS DRAWING PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE DRAWING.
- (b.) CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION INCLUDING LIFE SAFETY OF THIS PRODUCT BASED ON THIS DRAWING PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT. CONSTRUCTION SAFETY AT SITE IS THE CONTRACTOR'S RESPONSIBILITY.
- (c.) THIS DRAWING WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- (d.) SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE DRAWING. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THIS ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- (e.) ORIGINAL P.A.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.
- 6.- FINISH COLOR FOR BUS SHELTER SLIM VERSION IS NOT PART OF THIS DRAWING, BUT SHALL BE DEFINED AS PER AGREEMENT BETWEEN MANUFACTURER AND OWNER OF BUS SHELTER.
7. THIS DRAWING IS A GENERIC STRUCTURAL DRAWING AND DOES NOT CONSTITUTE AT ALL A SHOP DRAWING FOR THE DIRECT MANUFACTURING OF THIS BUS SHELTER.
8. LABELING OF THIS PRODUCT SHALL COMPLY W/ MIAMI DADE COUNTY REGULATIONS AND THE FLORIDA BUILDING CODE.



MIAMI BUS SHELTER CANTILEVERED SLIM VERSION

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0816-25
Expiration Date 07/22/2026
By *Walter A. Tillit Jr.*
Miami Dade Product Control

MIAMI DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
2/29/2023

P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 . Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT Jr. P.E.
FLORIDA Lic. # 44167

MIAMI BUS SHELTER CANTILEVERED SLIM VERSION
W/O OPPI PAL-LI SOLAR DISPLAY PANEL

Y.M.
DRAWN BY:

OUTFRONT MEDIA, INC.
8530 NW 23rd Street
DORAL, FL 33122

7/21/2023
DATE:

23-123
DRAWING No.

REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-286	7/21/2023	3	-	-
2	-	-	4	-	-

SHEET 1 OF 14

BILL OF MATERIALS

COMPONENT No.	DESCRIPTION	DIMENSIONS	MATERIAL	MANUFACTURER	NOTES
①.	BASE PLATE FOR POST ③	12.00" X 12.00" X 5/8" THK.	AISI 304 S.S Fy= 42Ksi	-	WELDED TO POST ③ & TO ②
②.	GUSSET PLATE FOR ①	2.50" X 3.00" X 1/4" THK.	AISI 304 S.S Fy= 42Ksi	-	WELDED TO POST ③ & TO ①
③.	POST	5.56"OD X 5.05"ID SCHEDULE 40	AISI 304 S.S Fy= 42Ksi	-	WELDED TO ①, ② & ④
④.	TOP PLATE FOR POST ③	9.00" X 9.00" X 1/2" THK.	AISI 304 S.S Fy= 42Ksi	-	WELDED TO ③
⑤.	BASE PLATE FOR BEAM ⑥	9.00" X 9.00" X 1/2" THK.	6061-T6 ALUM. ALLOY/TEMPER	-	WELDED TO ⑥
⑥.	ROOF BEAM	3.00" X 3.00" X 1/4" THK.	6061-T6 ALUM. ALLOY/TEMPER	-	WELDED TO ⑤ & TO ⑦
⑦.	ROOF PURLINS	3.00" X 3.00" X 1/8" THK.	6063-T5 ALUM. ALLOY/TEMPER	-	WELDED TO ⑥
⑧.	FASCIA & STIFFENER	(SEE DETAIL SHEET 8)	FASCIA: 3105-H14 STIFFENER: 5052-H32 BENT CHANNEL	-	SCREWED TO ⑦ W/ ⑰ SEE DETAILS
⑨.	ROOF PANEL	3"DEEPx0.035"STUCCO EMBOSSED INSULATED 1LB/FT E.P.S	3003-H154 ALLOY Fy=28Ksi	-	SEE DETAILS
⑩.	HEADER FOR ROOF PANEL ⑨	(SEE DETAIL)	6063-T5 ALUM. ALLOY/TEMPER	-	CONNECTED TO ⑦ W/ ⑰
⑪.	TOP & BOTTOM REAR WALL RAILS	2.00" X 4.00" X 1/4" THK.	6061-T6 ALUM. ALLOY/TEMPER	-	CONT. FULL LENGTH & CONNECTED TO ③ W/ ⑫ & ⑱ & ⑲
⑫.	BRACKET ANGLE FOR ⑪	2.00" X 2.00" X 1/4"THK. X 0'-3"	6061-T6 ALUM. ALLOY/TEMPER	-	USE AT ⑪ TOP & BOTTOM: CONNECTED TO ③ W/ ⑱ & TO ⑪ W/ ⑲
⑬.	GLAZING BEAD FOR ⑭	1/2" X 1/2" X 1/8"THK. CHANNEL	5052-H32 ALUM. ALLOY	-	CONNECTED TO ⑪ W/ ⑰ BENT PLATE
⑭.	GLASS PANEL	34" X 59" X 3/8" (10MM)	TEMPERED GLASS	-	FITS IN BETWEEN ⑬ & ⑪ SEE GLAZING DETAILS
⑮.	ANCHOR FOR ①	3/4"Ø (LDT)	GRADE 5, Fu=120Ksi W/ENVIRE-X COATING	RED HEAD	MIN. 5 1/2" EMBEDMENT. & MIN. 7 1/2"EDGE DISTANCE INTO MIN. 18"thk. f'c=3Ksi CONCRETE MAT
⑯.	MACHINE SCREWS FOR ④, ⑤	1/2"Ø-13 X 1"	ASTM A-307 GALV. STEEL	-	USE AT ④ CONNECTION TO ⑤ USE (6) FASTENERS
⑰.	SELF DRILLING SCREW FOR ROOF	#10-24 X 1" HxHd TEK SCREWS	AISI 401 SERIES S.S.	ITW/BUILDEX	USE AT ⑩ CONNECTION TO ⑦ & AT ⑧ CONNECTION TO ⑦ & ⑥
⑰A.	SELF DRILLING SCREW FOR ROOF	#10-24 X 1" F.H TEK SCREWS	AISI 401 SERIES S.S.	ITW/BUILDEX	USE AT ⑩ CONNECTION TO ⑦ & AT ⑧ CONNECTION TO ⑦ & ⑥
⑰B.	POP RIVETS	1/4"Ø	5052 ALUMINUM ALLOY WITH ALUM. MANDREL	-	⑩ CONNECTION TO ⑨ TOP & BOTTOM
⑱.	MACHINE SCREWS FOR ⑪	3/8"Ø X 2 1/2" DRILL-FLEX	GRADE 5 ASTM A 449 Fu=120Ksi SILVER STALGUARD SUB COATING	ELCO CONSTRUCTION PRODUCTS	USE AT ⑪ CONNECTION TO ③ & AT ⑫ CONNECTION TO ③
⑲.	SELF DRILLING SCREW FOR ⑫	1/4"Ø-14 X 1" TEK SCREW	AISI 401 SERIES S.S.	ITW/BUILDEX	USE AT ⑫ CONNECTION TO ⑪
⑳.	BENCH SUPPORT BRACKET	(SEE SHEET 4)	5052-H32 OR 6063-T6 ALUM. ALLOY	-	WELDED TO ⑪ & BOLTED TO ㉑
㉑.	14" BENCH SYSTEM	(SEE SHEET 5)	(SEE SHEET 5)	-	BOLTED TO ㉑
㉒.	BENCH DIVIDERS	(SEE SHEET 6)	5052-H32 ALUM. ALLOY	-	(3) BOLTED AT ㉑
㉓.	ROOF DECK SEAM TAPE	4" WIDE	MEETS ASTM D 1970-20	TITE SEAL	CONTINUOUS SEALANT BETWEEN ⑥, ⑦, ⑧ & ⑨

PRODUCT REVISED as complying with the Florida Building Code

Acceptance No. 23-0816-25

Expiration Date 07/22/2026

By *H. G. A. Miller*

Miami Dade Product Control

MIAMI DADE COUNTY

No. 44167

STATE OF FLORIDA

PROFESSIONAL ENGINEER

WALTER A. TILLIT JR. P.E.

P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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TILTECO INC.

TILLIT TESTING & ENGINEERING COMPANY

8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166

Phone : (305)871-1530 • Fax : (305)871-1531

CA-0006719

WALTER A. TILLIT JR. P.E.

FLORIDA Lic. # 44167

MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL

Y.M. DRAWN BY:

7/21/2023 DATE:

23-123

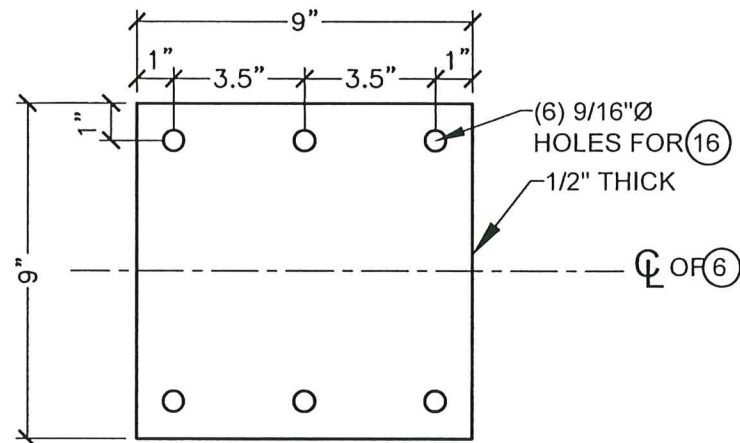
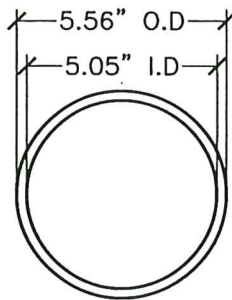
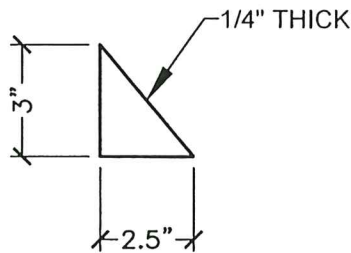
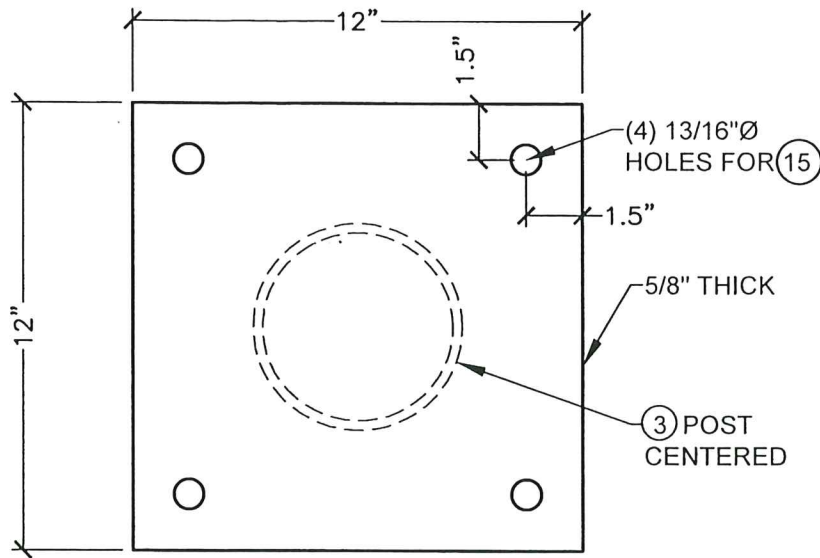
DRAWING No.

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 20-288	7/21/2023	3	-	-
2	-	-	4	-	-

SHEET 2 OF 14

COMPONENTS

N.T.S



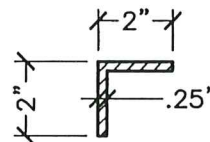
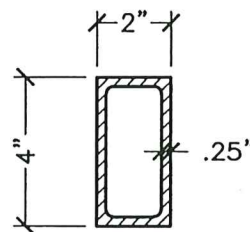
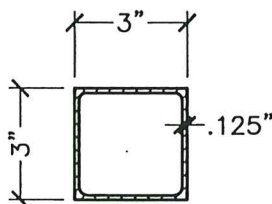
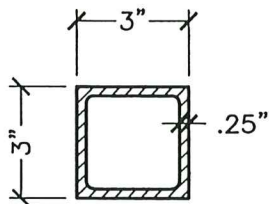
1 BASE PLATE FOR POST 3

2 GUSSET PLATE FOR 1

3 POST

4 TOP PLATE FOR POST 3

5 BASE PLATE FOR BEAM 6

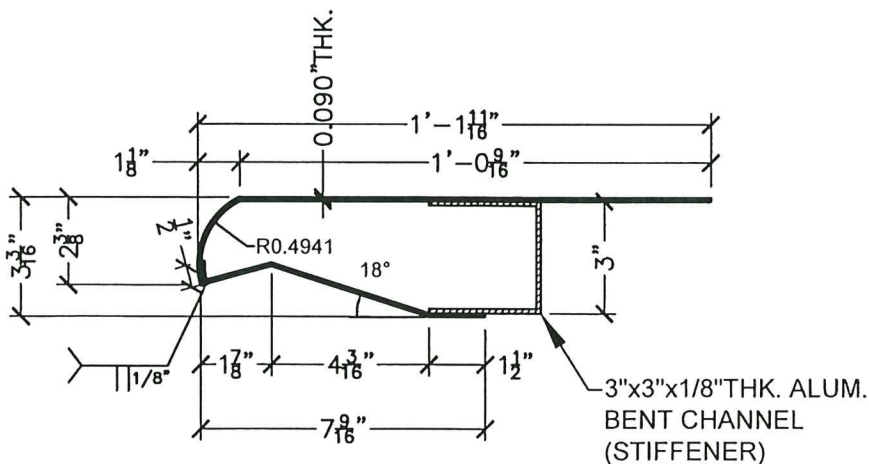


6 ROOF BEAM

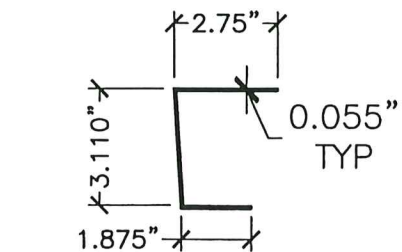
7 ROOF PURLING

11 TOP & BOTTOM CONT. REAR WALL RAILS

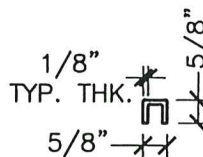
12 BRACKET ANGLE FOR 11 3" LONG



8 FASCIA & STIFFENER



10 HEADER FOR ROOF PANEL 9



13 GLAZING BEAD FOR 14

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0816.25
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By: *Heidi A. Miller*
Miami Dade Product Control
MIAMI DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
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07/22/2023
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FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)

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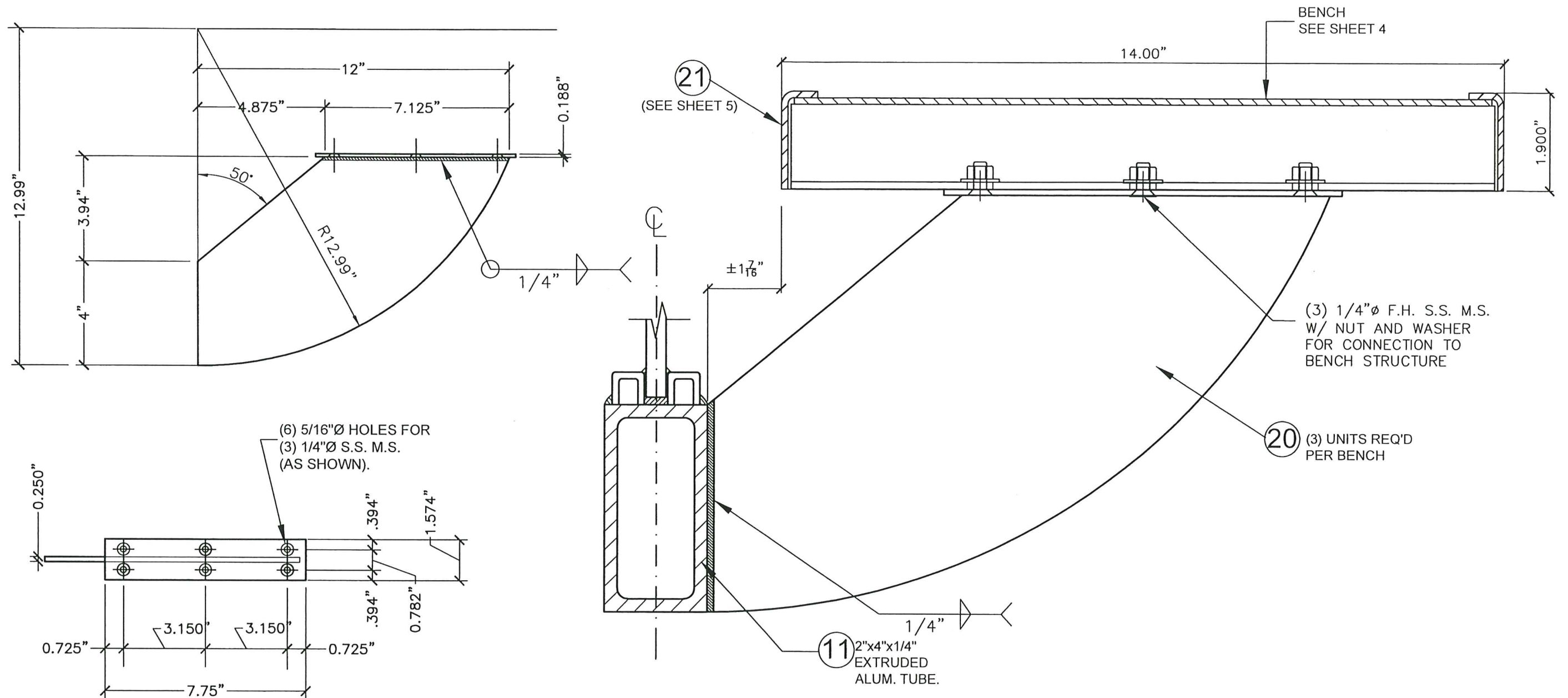
TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone : (305)871-1530 • Fax : (305)871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

MIAMI BUS SHELTER CANTILEVERED SLIM VERSION
W/O OPPI PAL-LI SOLAR DISPLAY PANEL

OUTFRONT MEDIA, INC.
8530 NW 23rd Street
DORAL, FL 33122

REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 20-288	7/21/2023	3	-	-
2	-	-	4	-	-

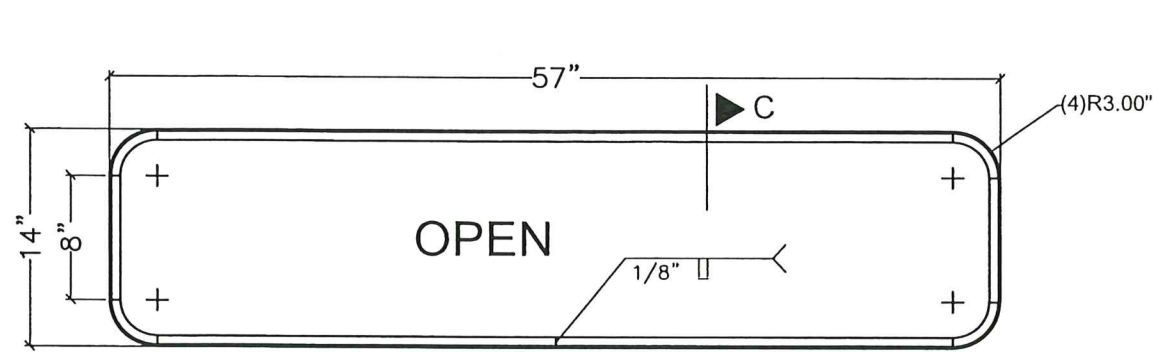
Y.M.
DRAWN BY:
7/21/2023
DATE:
23-123
DRAWING No.
SHEET 3 OF 14



ASSEMBLY BENCH TO BOTTOM RAIL SECTION
N.T.S

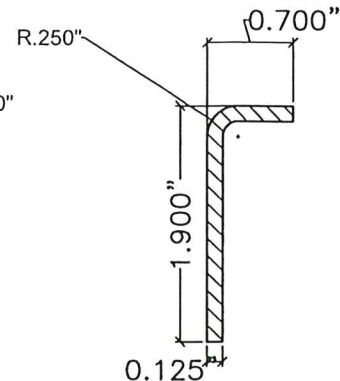
20 BENCH SUPPORT BRACKET
1/4"=0'-1"

PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>23-0816.25</u> Expiration Date <u>07/22/2026</u> By <u>Heidi A. Miller</u> Miami Dade Product Control MIAMI DADE COUNTY		WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER 7/21/2023 P.E. SEAL/SIGNATURE/DATE		FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE) ©2023 TILTECO, INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 • Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167				MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL Y.M. DRAWN BY: 7/21/2023 DATE: 23-123 DRAWING No.	
REV. NO. 1 DESCRIPTION OLD 20-288 DATE 7/21/2023		REV. NO. 3 DESCRIPTION - DATE -		REV. NO. 4 DESCRIPTION - DATE -		SHEET 4 OF 14			

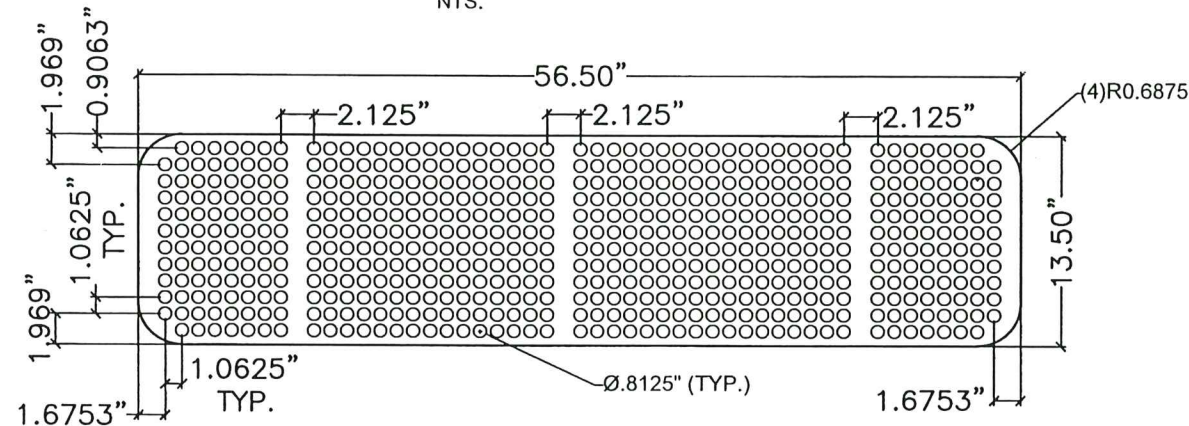


OUTER RAIL (PROTO-MBENCH-103)

0.125" THICK HOT ROLLED STEEL COIL ASTM A 1011 W/ MIN. Fy=40Ksi.
NTS.

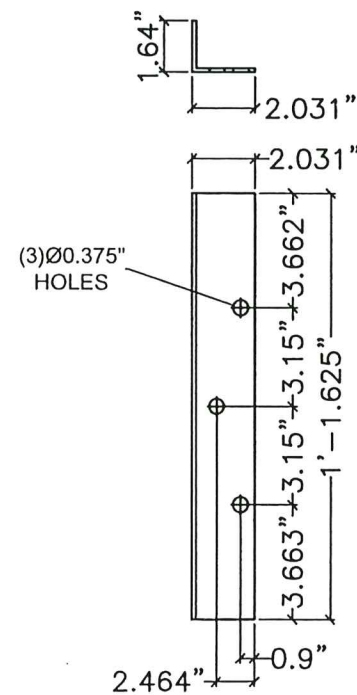


SECTION C-C (TYP)
NTS.



THOMAS PERF. PIECE (PROTO-MBENCH-101B)

0.135" THICK HOT ROLLED STEEL ASTM A-1011 CS, TYPE B
NTS.

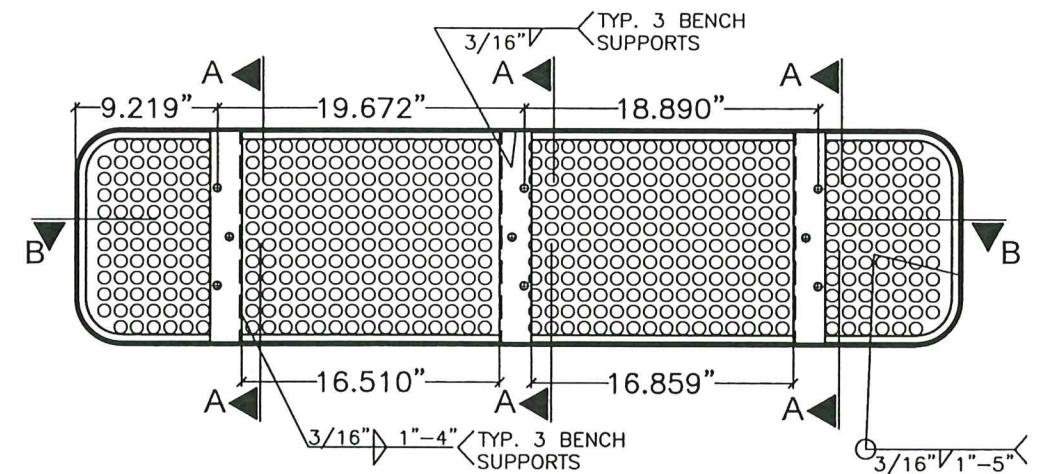


BENCH SUPPORT (PROTO-MBENCH-102)

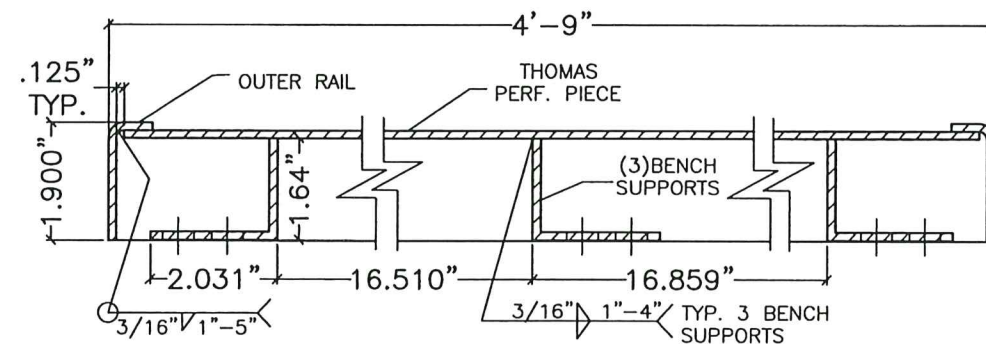
CUT OF 0.135" THICK HOT ROLLED STEEL SHEET ASTM A 1011
(3 UNITS PER BENCH REQ'D.)

NOTE: PUNCH HOLES, AND BEND.

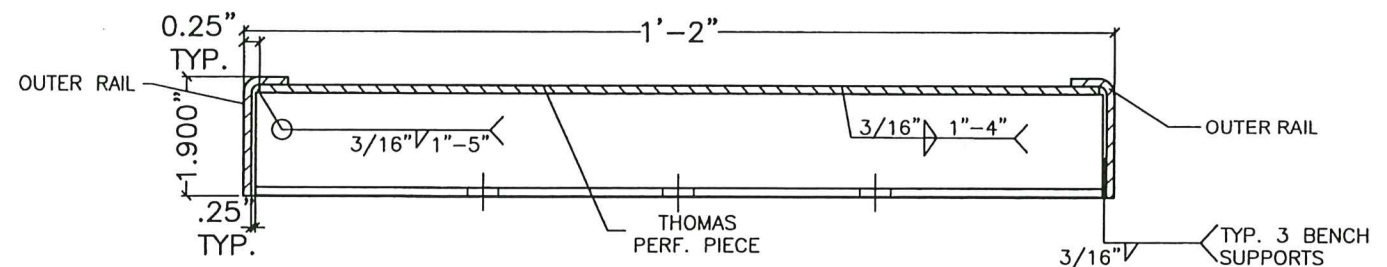
NTS.



BENCH ASSEMBLY
NTS.



SECTION B-B (TYP)
NTS.



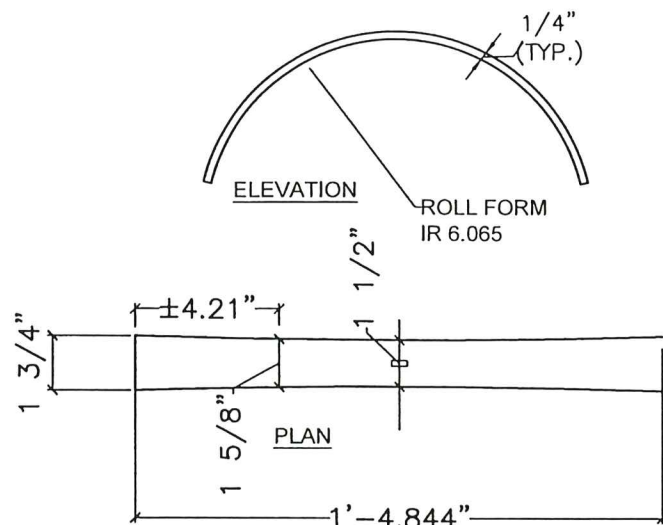
SECTION A-A (TYP)
NTS.

21 14" BENCH SYSTEM
1"=1'-0"

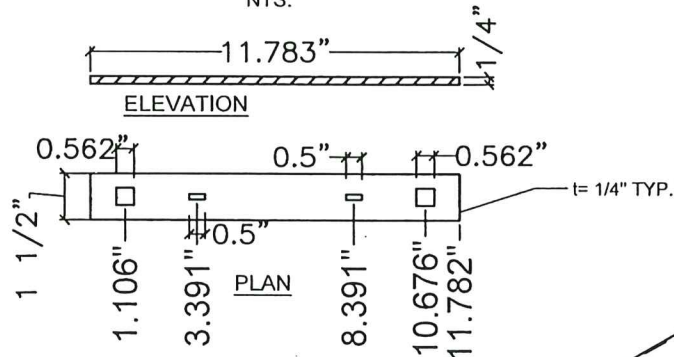
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0916.25
Expiration Date 07/22/2026
By *Walter A. Tillit Jr.*
Miami Dade Product Control
MIAMI DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
Professional Engineer
P.E. SEAL/SIGNATURE/DATE

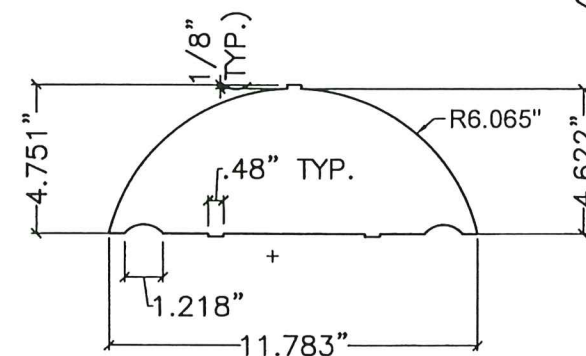
FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC.			MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL		
TILTECO INC.			OUTFRONT MEDIA, INC.		
TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 ; Fax : (305)871-1531 CA-0006719			8530 NW 23rd Street DORAL, FL 33122		
REV. NO	DESCRIPTION	DATE	REV. No	DESCRIPTION	DATE
1	OLD 20-208	7/21/2023	3	-	-
2	-	-	4	-	-
					Y.M. DRAWN BY: 7/21/2023 DATE: 23-123 DRAWING No. SHEET 5 OF 14



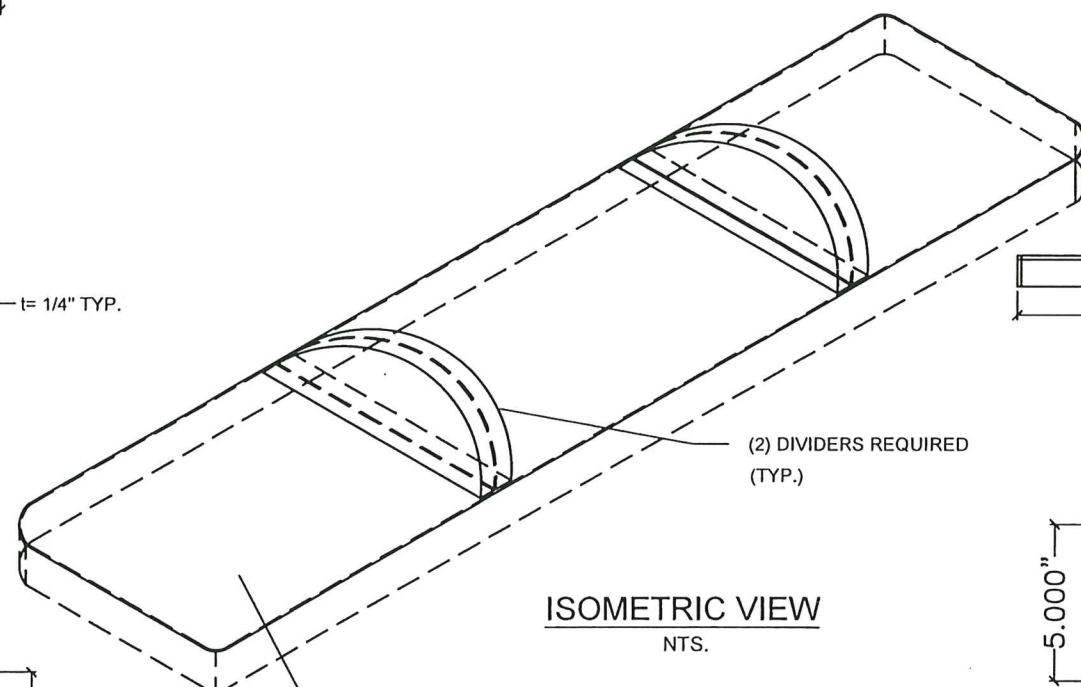
ITEM "A" : TOP ARCHED PLATE
NTS.



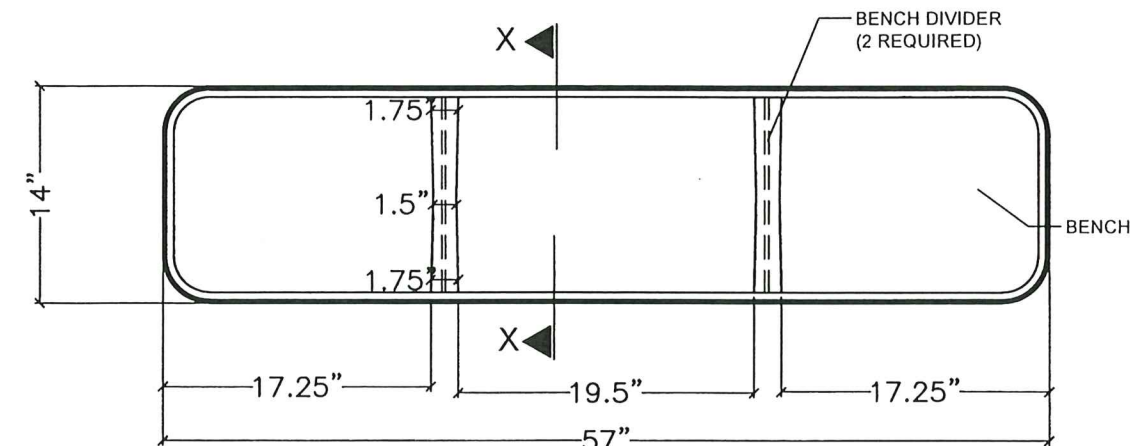
ITEM "B" : BASE PLATE
NTS.



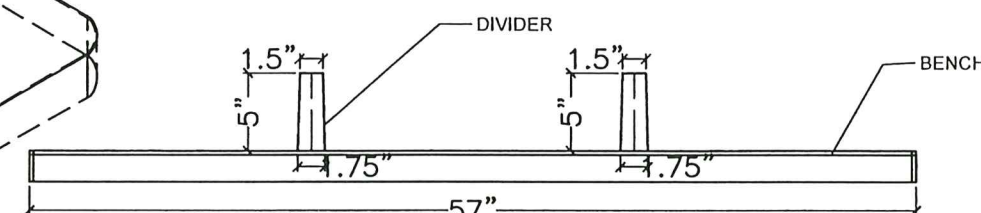
ITEM "C" : WEB PLATE
NTS.



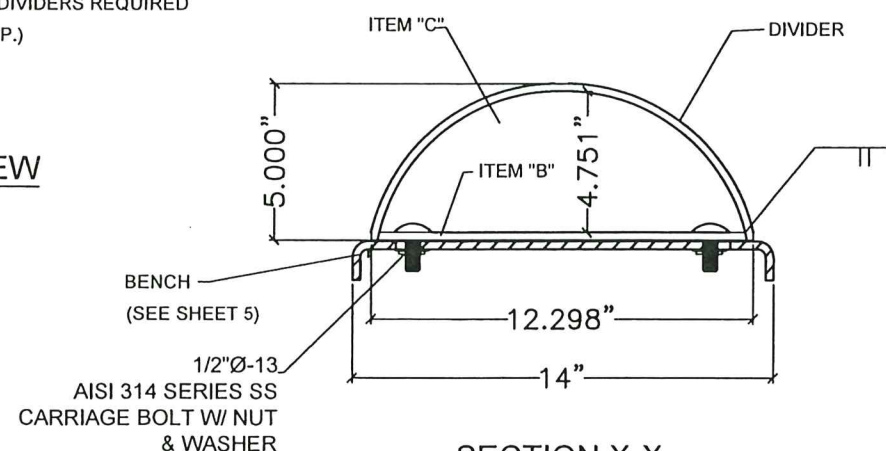
ISOMETRIC VIEW
NTS.



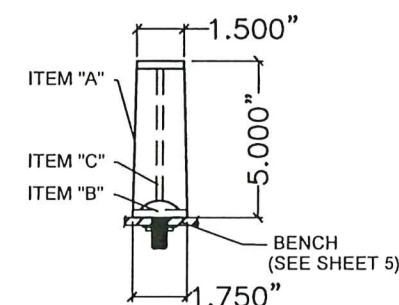
BENCH PLAN W/ DIVIDERS
NTS.



BENCH ELEVATION W/ DIVIDERS
NTS.



SECTION X-X
NTS.



BENCH SIDE VIEW W/ DIVIDER
NTS.

22 BENCH DIVIDERS
1"=1'-0"

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0816-2-5
Expiration Date 07/22/2026
By *H. A. Tillit Jr.*
Miami Dade Product Control
MIAMI DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
Professional Engineer
7/21/2023
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC.			MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL		Y.M. DRAWN BY:
TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 • Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167			OUTFRONT MEDIA, INC. 8530 NW 23rd Street DORAL, FL 33122		7/21/2023 DATE:
REV. NO.	DESCRIPTION	DATE	REV. NO.	DESCRIPTION	DATE
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2	-	-	4	-	-
23-123 DRAWING No.					SHEET 6 OF 14

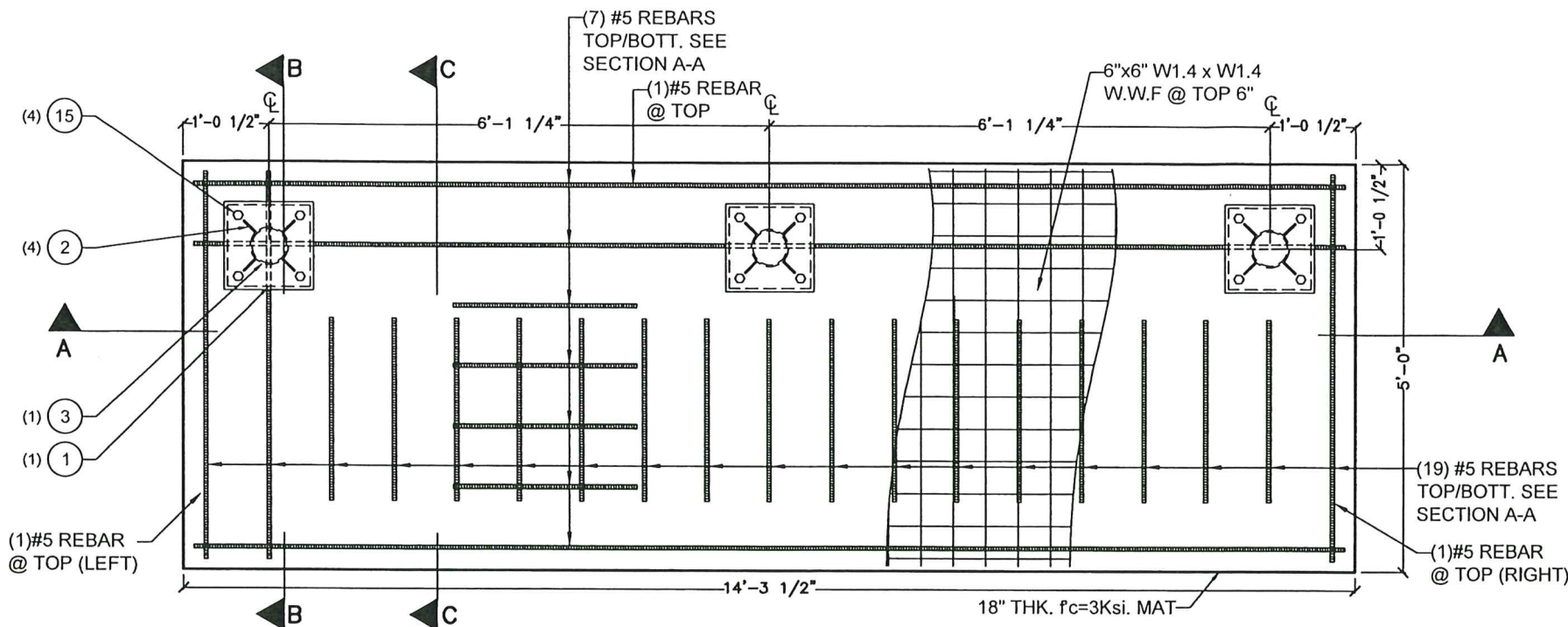


FE
EL
8

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF
PR
7/24/2023
P.E. SEAL/SIGNATURE/DATE

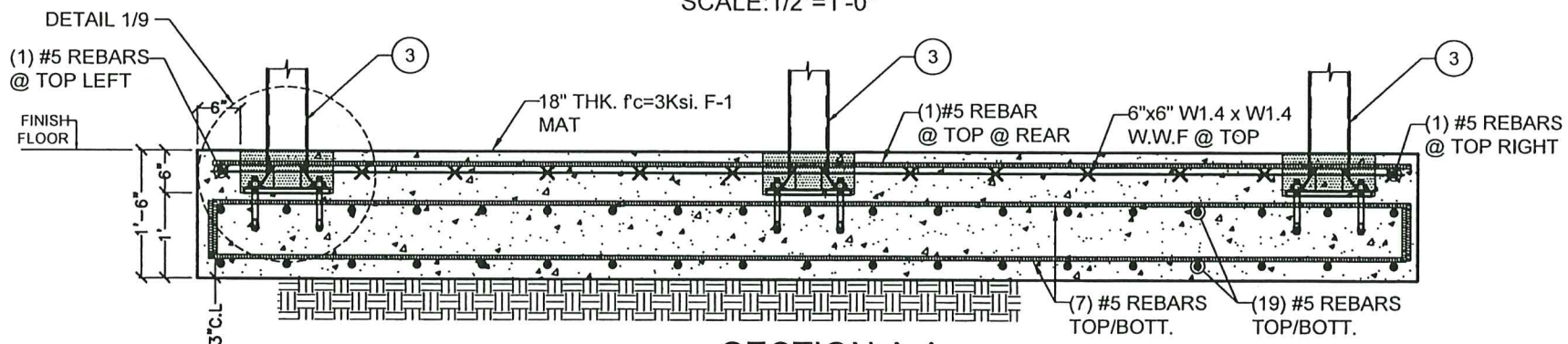
DRAWING CODE (HIGH VELOCITY HURRICANE ZONE)						Y.M. DRAWN BY:	
MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL						7/21/2023 DATE:	
OUTFRONT MEDIA, INC. 8530 NW 23rd Street DORAL, FL 33122						23-123 DRAWING No.	
REV. NO.	DESCRIPTION		DATE	REV. No	DESCRIPTION	DATE	
1	OLD 20-288		7/21/2023	3	-	-	

SHEET 7 OF 14



FOUNDATION PLAN (STRUCTURAL)

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



SECTION A-A

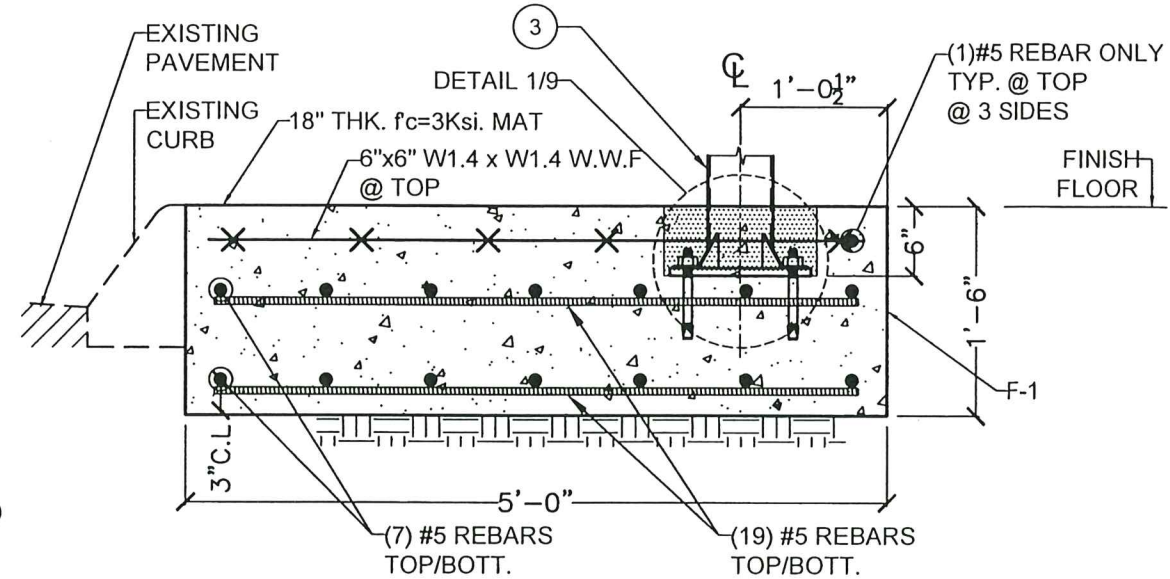
SCALE: 1/2"=1'-0"

FOUNDATION NOTES:

- 1.-THE ELEVATION OF CAVITIES LEFT FOR POST'S BASE PLATES (SEE DETAIL 1/9) SHALL BE A MINIMUM OF 6" BELOW THE TOP OF BUS SHELTER FINISHED CONCRETE MAT.
- 2.-REINFORCEMENT STEEL SHOULD BE AS INDICATED ON FOOTING SCHEDULE:
- 3.-SEE SHEET 9 FOR POST/BASE, PLATE AND CAVITY SPECIFICATIONS.

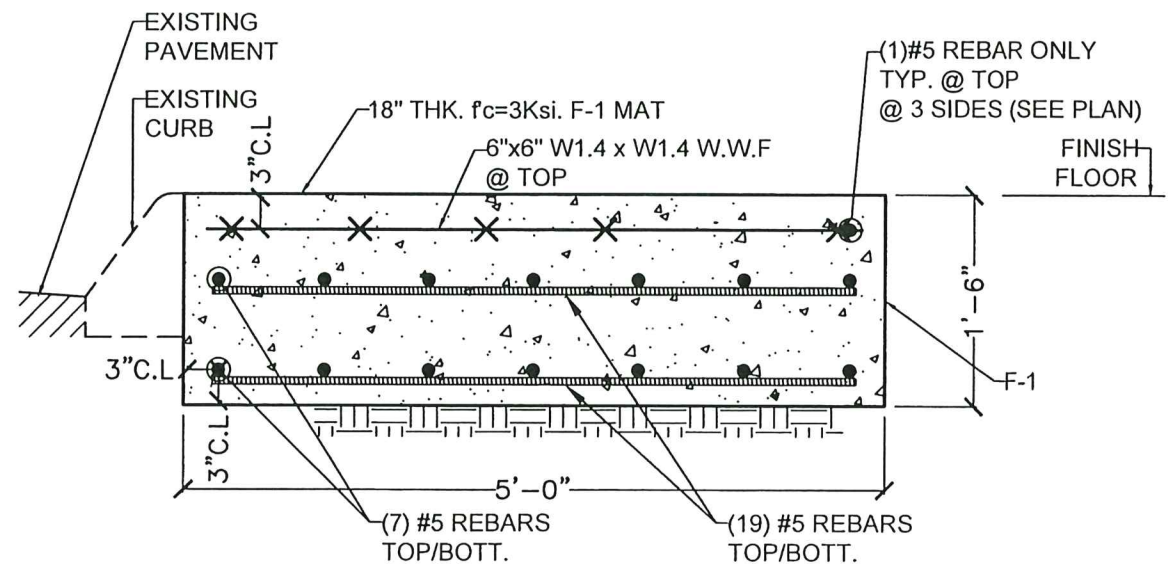
FOOTING SCHEDULE

NUMBER	DIMENSION (WxL)	DEPTH	STEEL REINFORCEMENT
F-1 (MAT)	5'-0" x 14'-3 1/2"	1'-6"	(7) #5 @ ±9" MAX. O.C. @ 14'-3 1/2" DIRECTION, TOP / BOTTOM. & (19) #5 @ ±9" MAX. O.C. 5'-0" DIRECTION, TOP / BOTTOM.



SECTION B-B

SCALE: 3/4"=1'-0"



SECTION C-C

SCALE: 3/4"=1'-0"

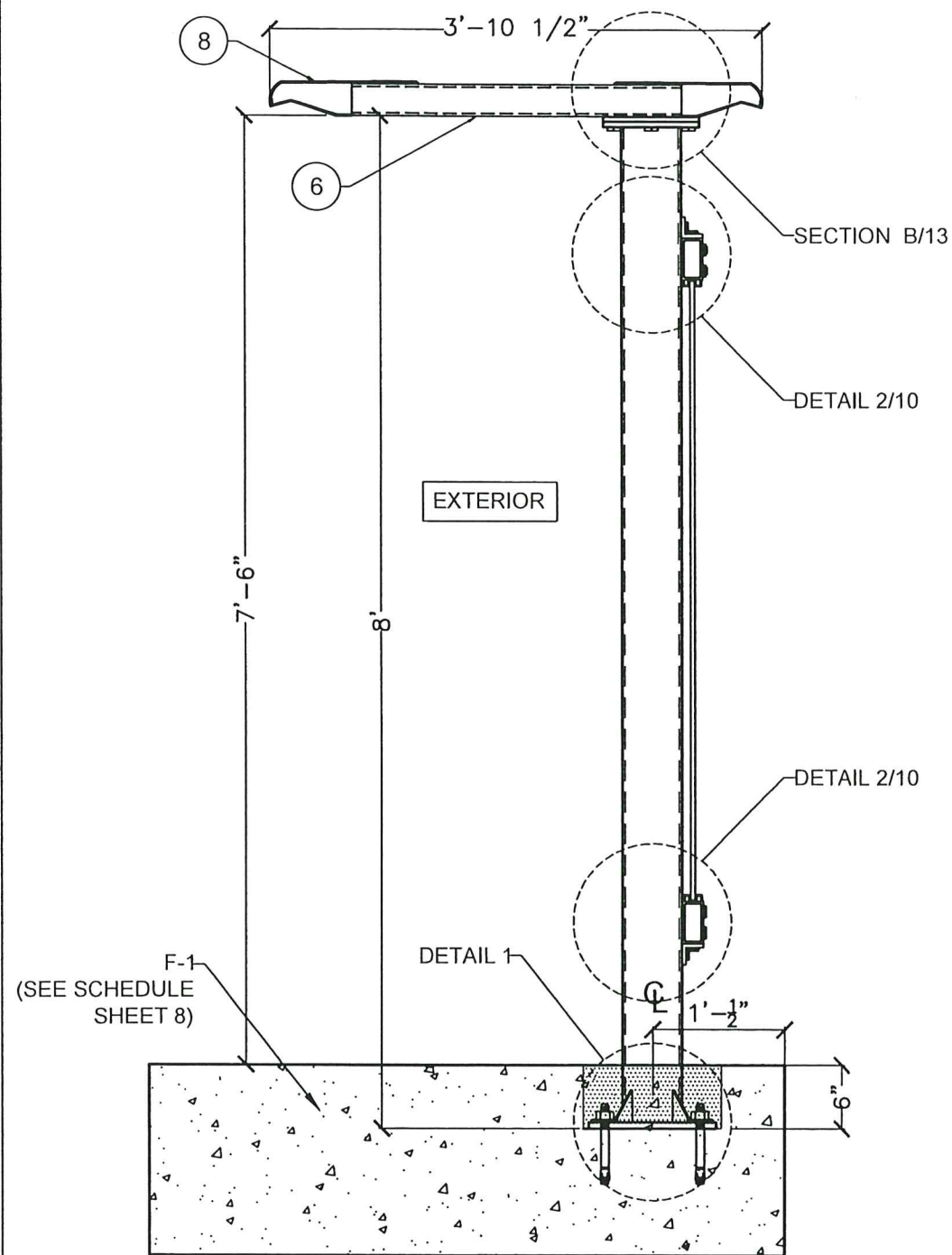
PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0516-25
Expiration Date 07/22/2026
By *Heidi A. Miller*
Miami Dade Product Control

MIAMI DADE COUNTY

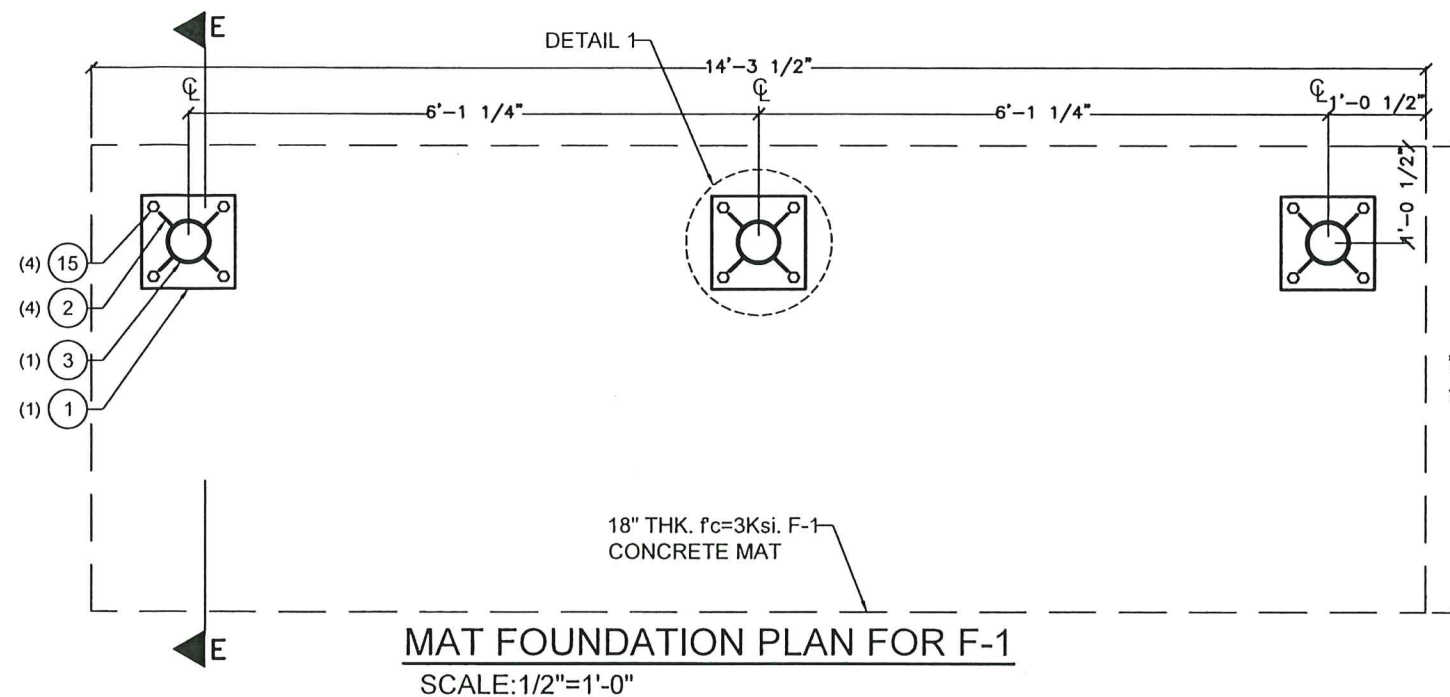
No. 44167
STATE OF FLORIDA
Professional Engineer
WALTER A. TILLIT JR., P.E.
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)
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TILTECO INC.
TILLIT TESTING & ENGINEERING COMPANY
8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166
Phone: (305)871-1530 • Fax: (305)871-1531
CA-0006719
WALTER A. TILLIT JR., P.E.
FLORIDA Lic. # 44167

MIAMI BUS SHELTER CANTILEVERED SLIM VERSION
W/O OPPI PAL-LI SOLAR DISPLAY PANEL
OUTFRONT MEDIA, INC.
8530 NW 23rd Street
DORAL, FL 33122
Y.M.
DRAWN BY:
7/21/2023
DATE:
23-123
DRAWING No.
SHEET 8 OF 14

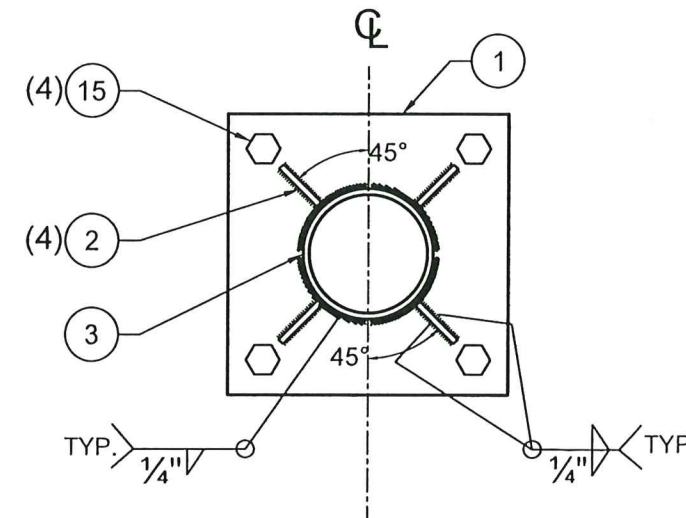
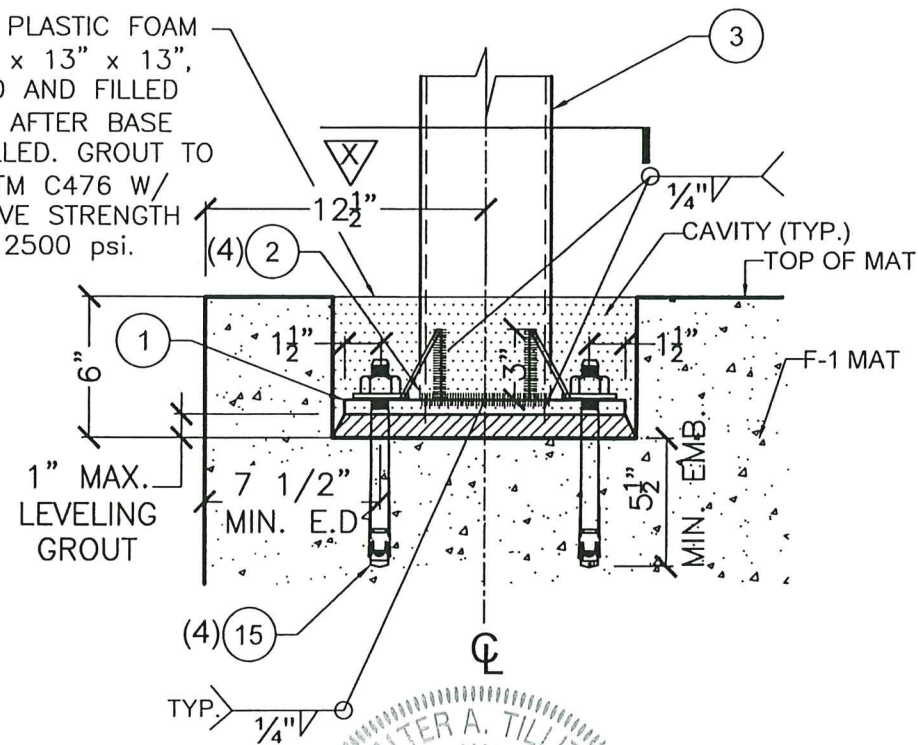


SECTION E-E
SCALE: 1/16"=1'-0"



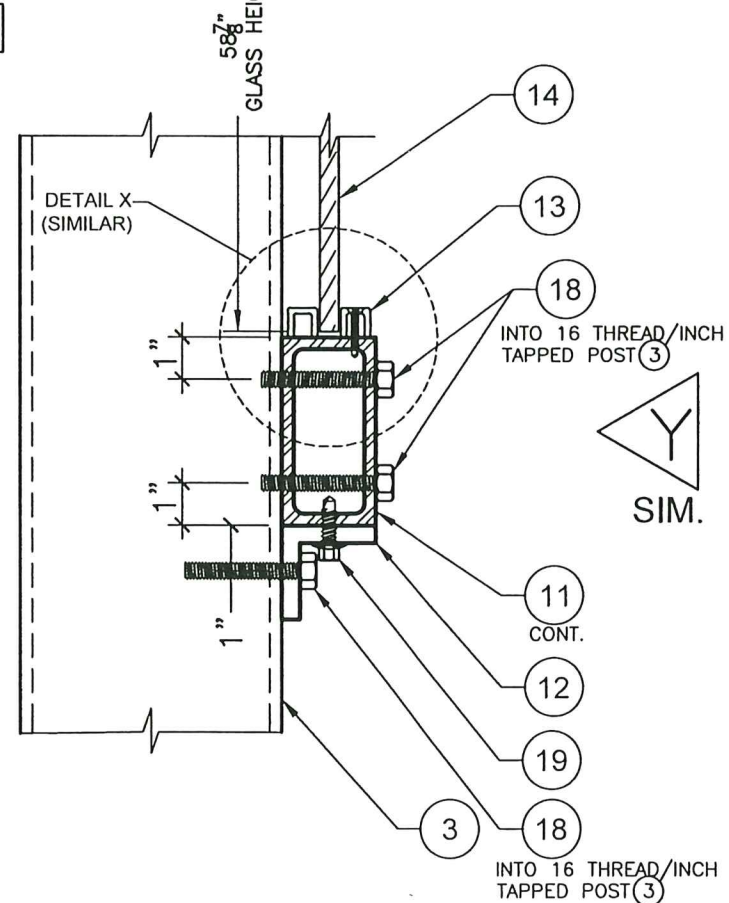
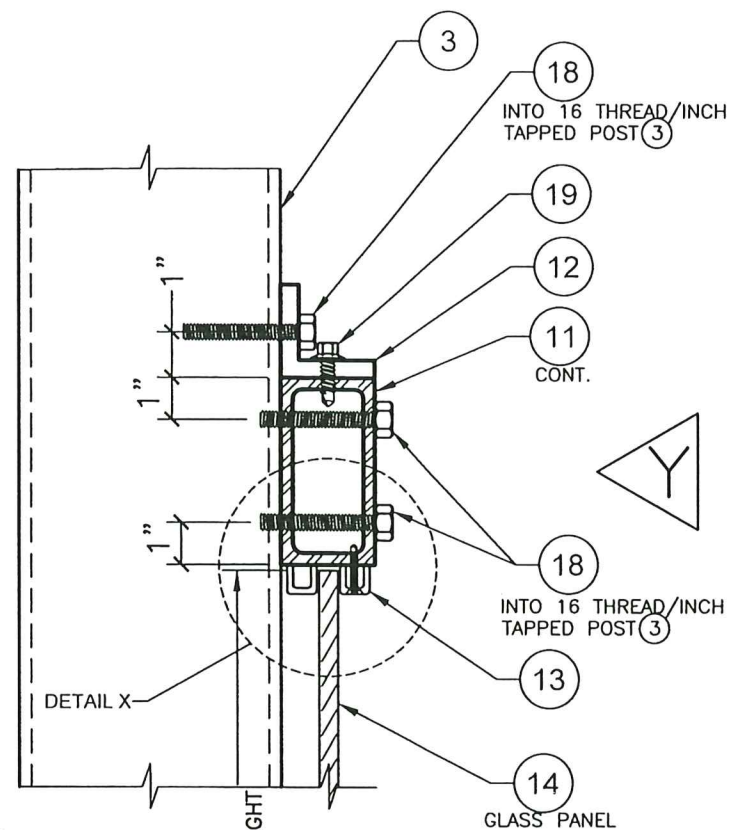
MAT FOUNDATION PLAN FOR F-1
SCALE: 1/2"=1'-0"

2 PCF DENSITY PLASTIC FOAM CUBE, 6" DEEP x 13" x 13", TO BE REMOVED AND FILLED OUT W/ GROUT AFTER BASE PLATE IS INSTALLED. GROUT TO COMPLY W/ ASTM C476 W/ Min. COMPRESSIVE STRENGTH AT 28 DAYS = 2500 psi.

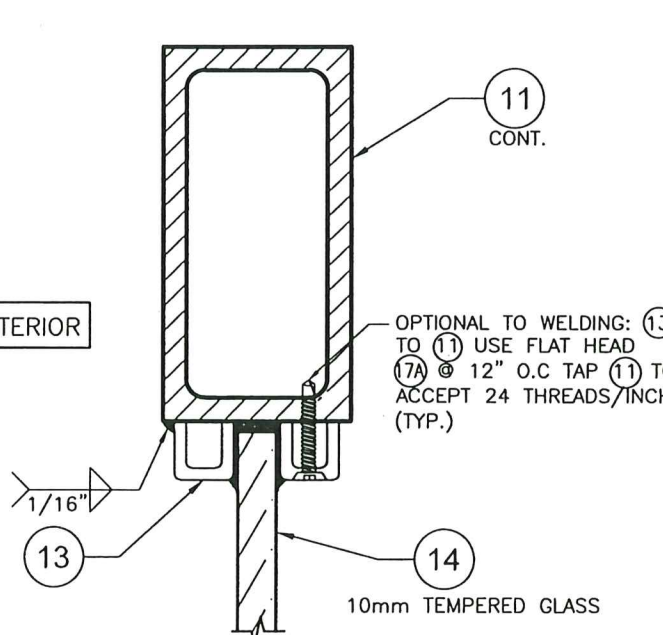
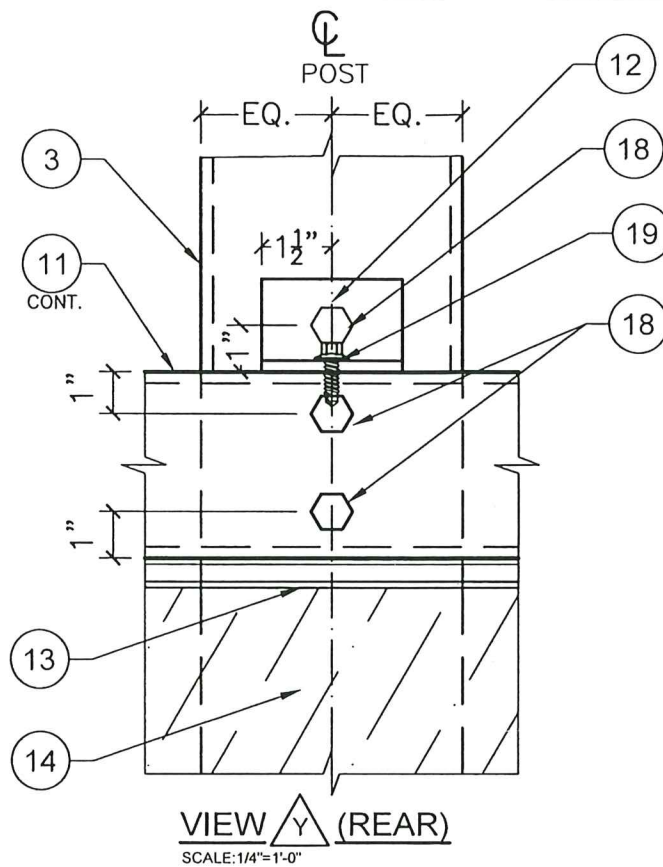


VIEW (PLAN)
SCALE: 1/2"=1'-0"

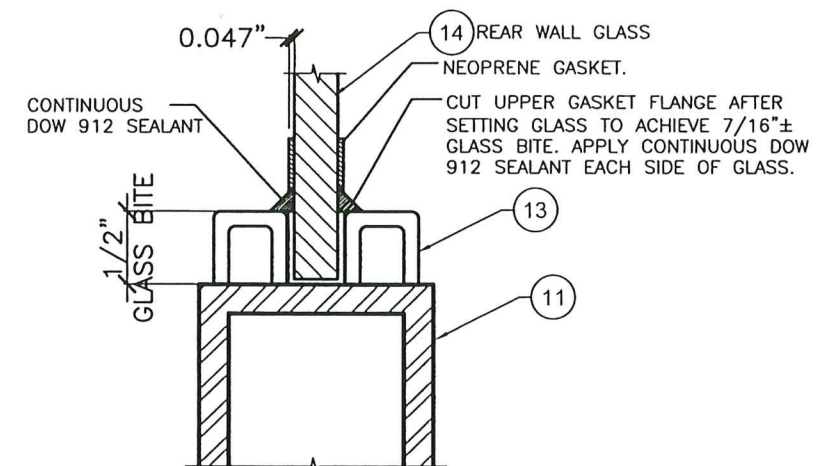
<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>23-0816.25</u> Expiration Date <u>07/22/2024</u> By <u>Heidi A. Miller</u> Miami Dade Product Control MIAMI DADE COUNTY</p>	<p>STATE OF P.E. SEAL/SIGNATURE/DATE <u>7/21/2023</u> No. 44167</p>	<p>FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)</p>			
		<p>©2023 TILTECO, INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33186 Phone: (305)871-1530 • Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167</p>	<p>MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL</p> <p>OUTFRONT MEDIA, INC. 8530 NW 23rd Street DORAL, FL 33122</p>	<p>Y.M. DRAWN BY: 7/21/2023 DATE: 23-123 DRAWING No. SHEET 9 OF 14</p>	



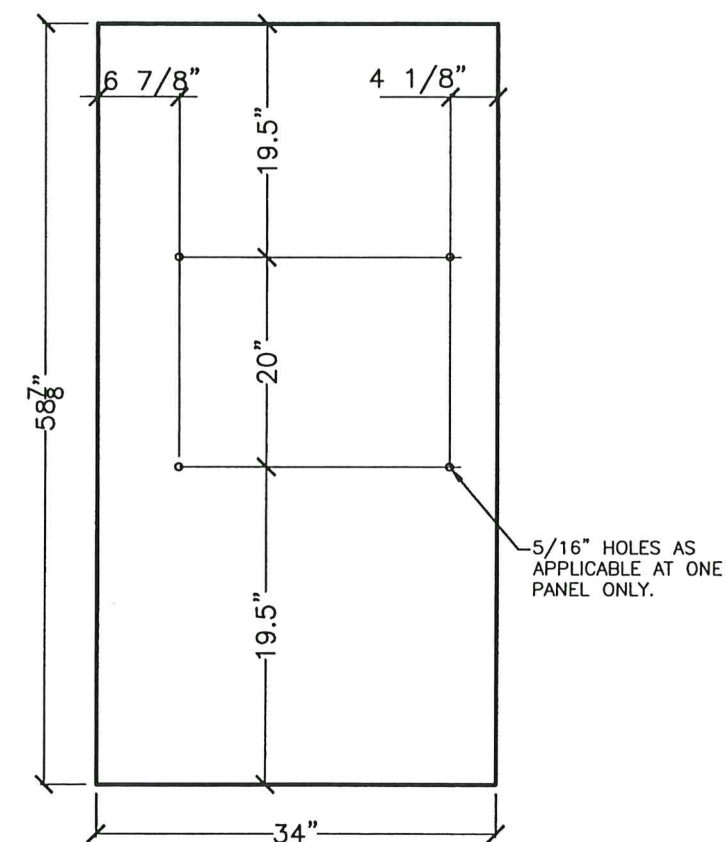
DETAIL 2 (TOP & BOTTOM)
SCALE: 1/4"=1'-0"



DETAIL X: 13 CONNECTION TO 11
SCALE: 1/2"=1'-0"



RUBBER GASKET-UPPER & LOWER GLASS EDGE:
GLAZING DETAIL
N.T.S.
GASKET MATERIAL: NEOPRENE RUBBER MIN. DUROMETER 70
GLASS THICKNESS: 10mm

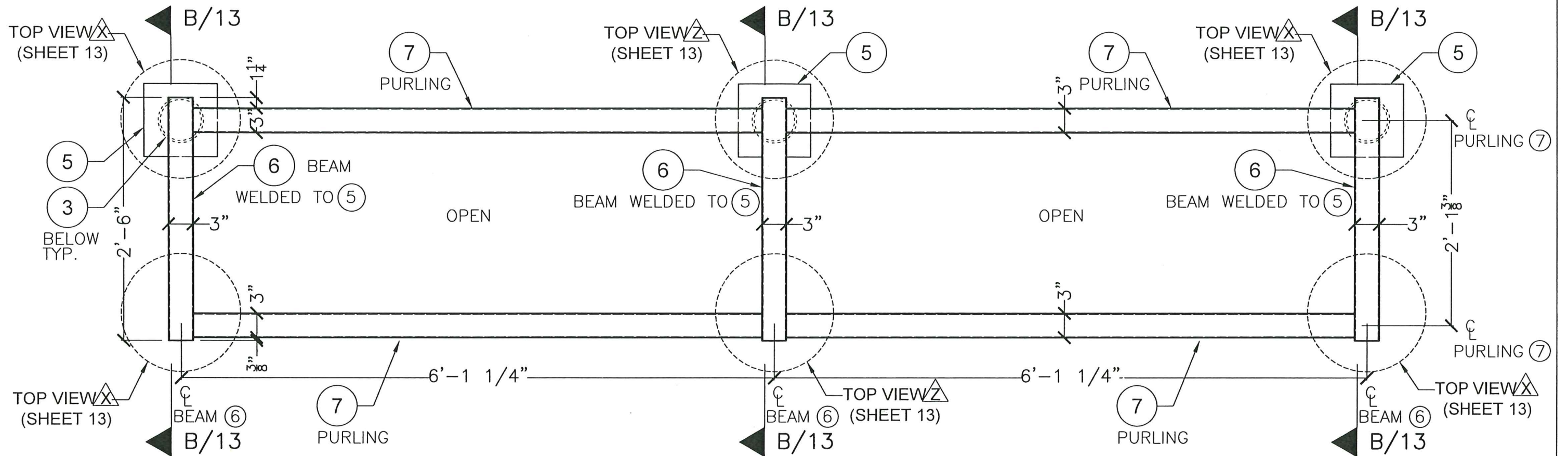


14 REAR GLASS PANEL
N.T.S.
10mm TEMPERED GLASS W/ GRIND EDGES
REQUIRES:(4) PER UNIT

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0816.25
Expiration Date 07/22/2026
By *Walter A. Tillit Jr.*
Miami Dade Product Control
MIAMI DADE COUNTY

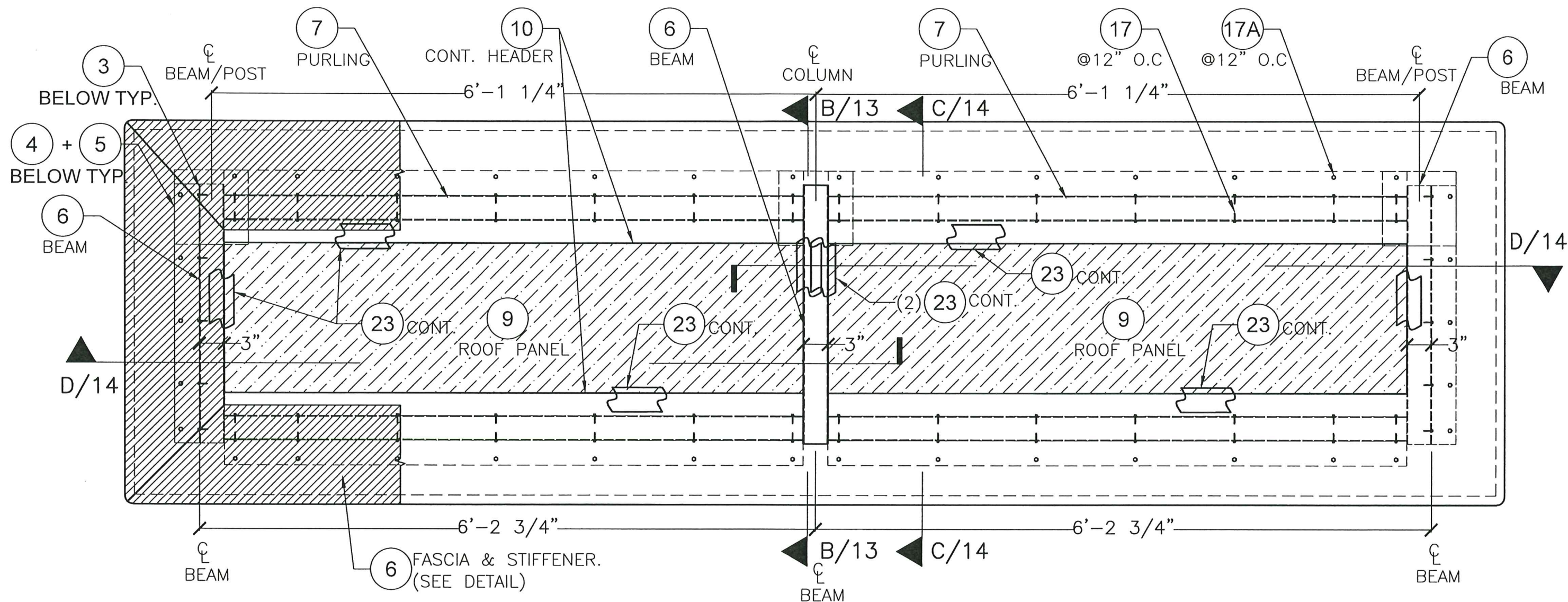
WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
Professional Engineer
7/24/2023
P.E. SEAL/SIGNATURE/DATE

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TILTECO INC.			OUTFRONT MEDIA, INC.		7/21/2023 DATE:
TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 • Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr. P.E. FLORIDA Lic. # 44167			8530 NW 23rd Street DORAL, FL 33122		23-123 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 20-288	7/21/2023	3	-	-
2	-	-	4	-	-
					SHEET 10 OF 14



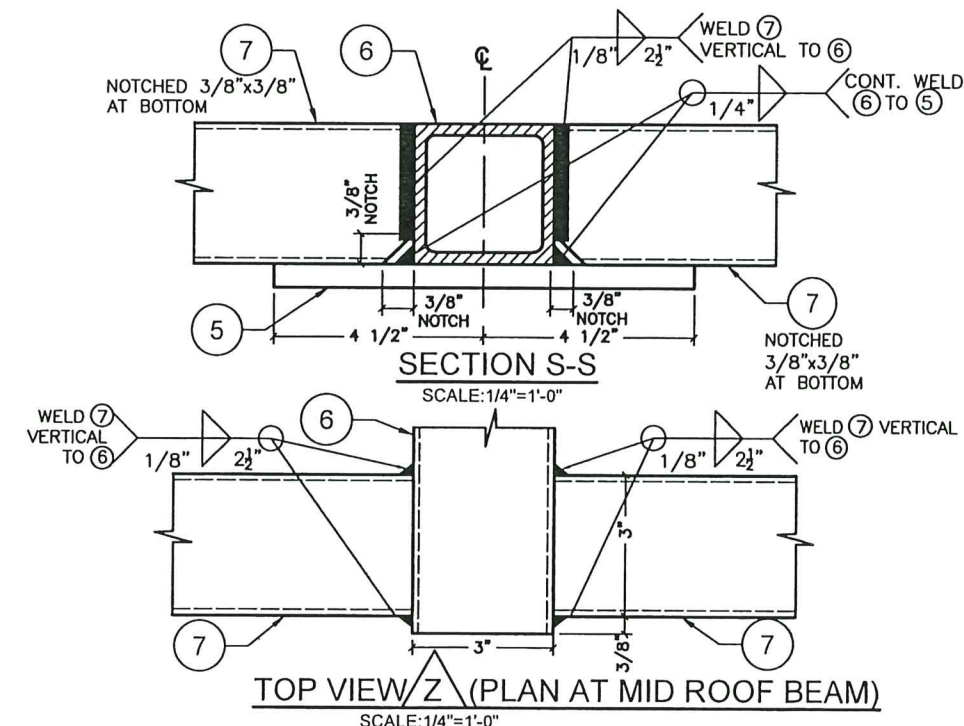
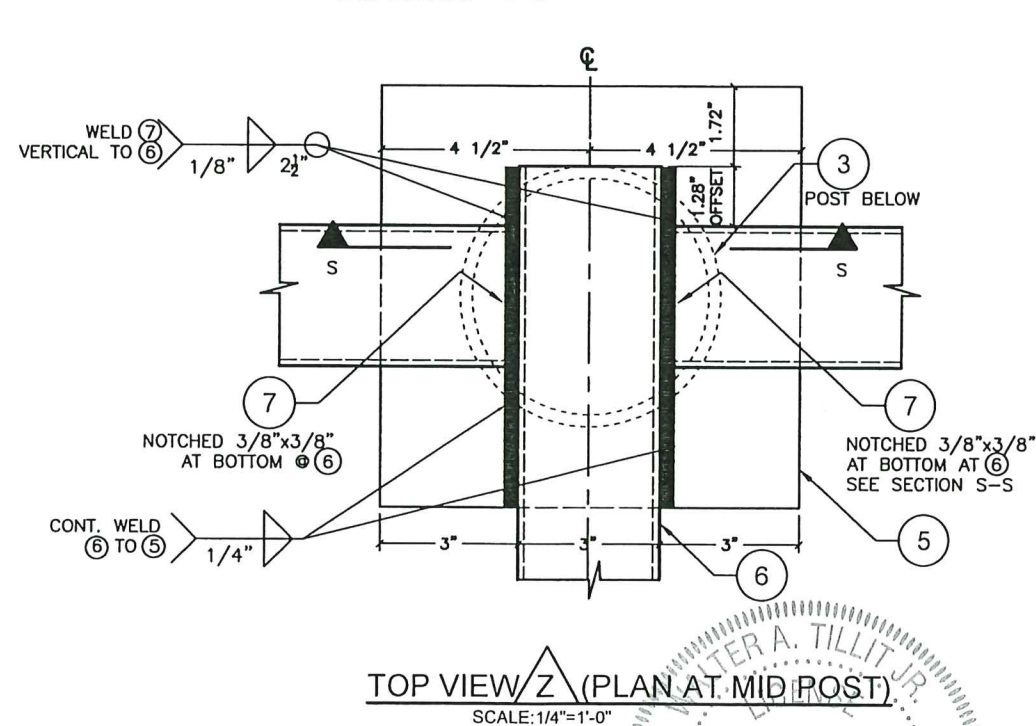
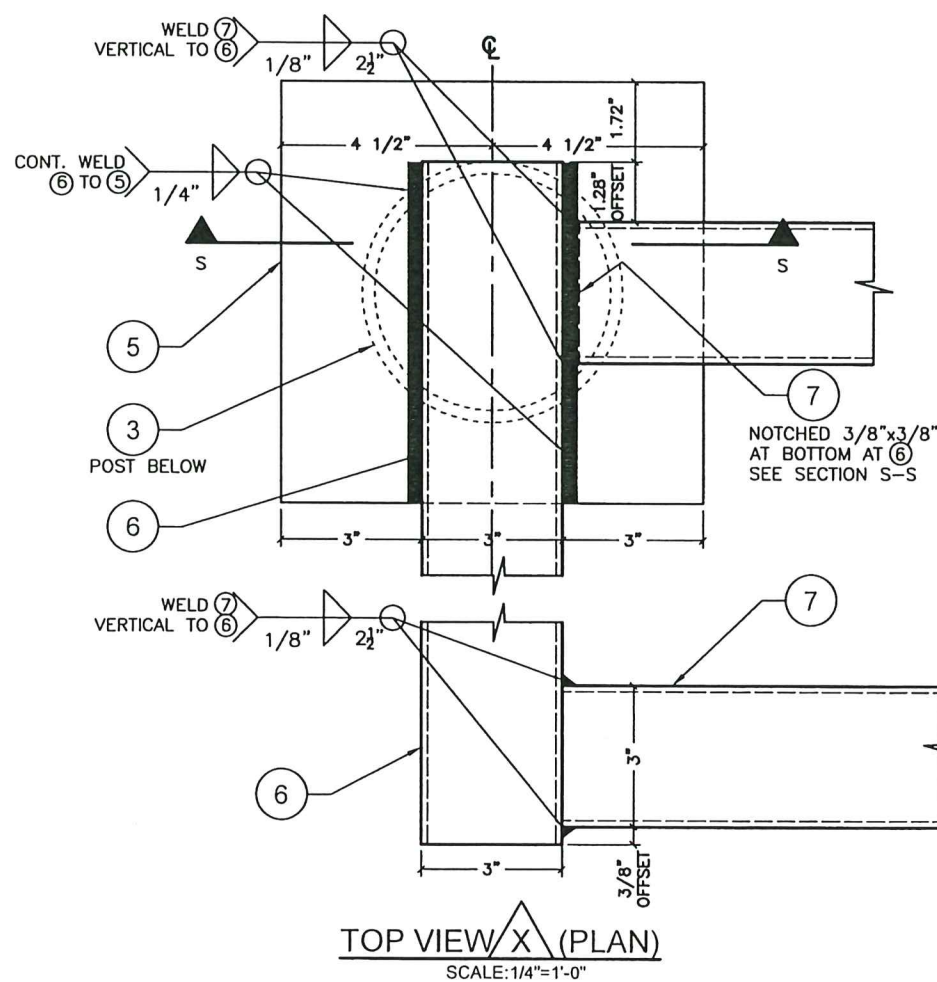
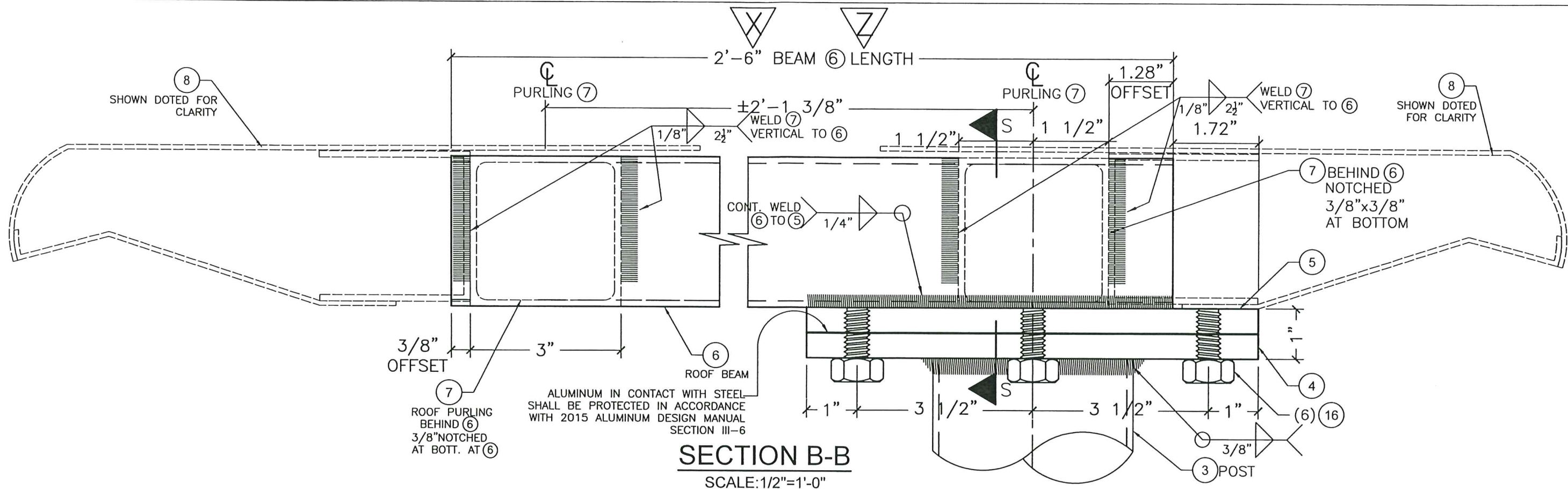
ROOF STRUCTURE PLAN (WITHOUT ROOF PANEL 9 & FASCIA 8)
 SCALE: 1"=1'-0"

<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No. <u>23-0816.25</u> Expiration Date <u>07/22/2028</u> By <u>Walter A. Tillit Jr.</u> Miami Dade Product Control</p> <p>MIAMI DADE COUNTY</p>	<p>WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER <u>7/21/2023</u></p> <p>P.E. SEAL/SIGNATURE/DATE</p>	<p>FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)</p>			
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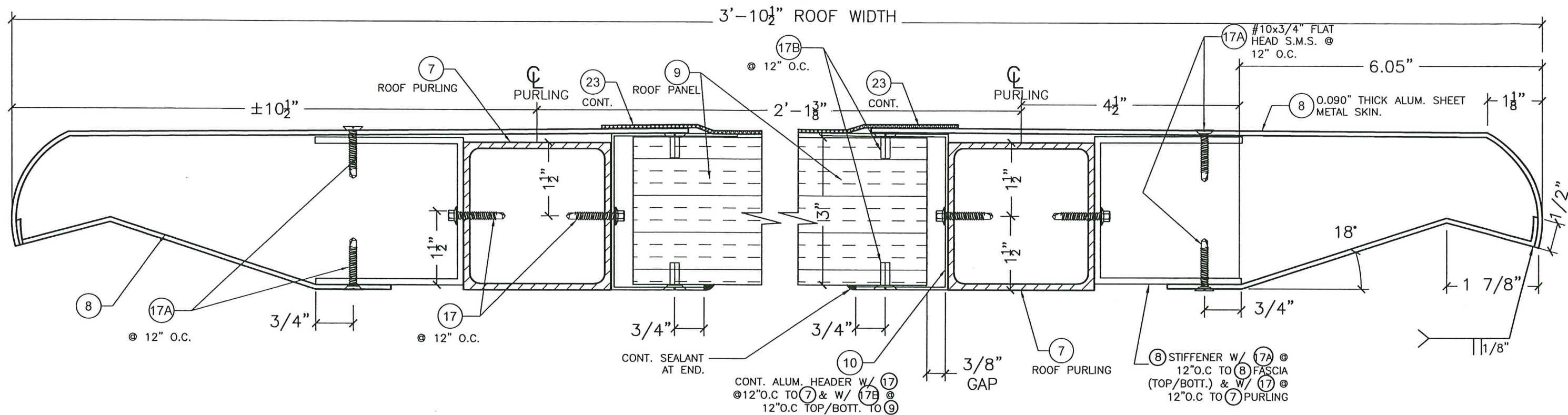


ROOF FRAMING PLAN (INCLUDING ROOF PANEL 9 + FASCIA 8)
 SCALE: 1"=1'-0"

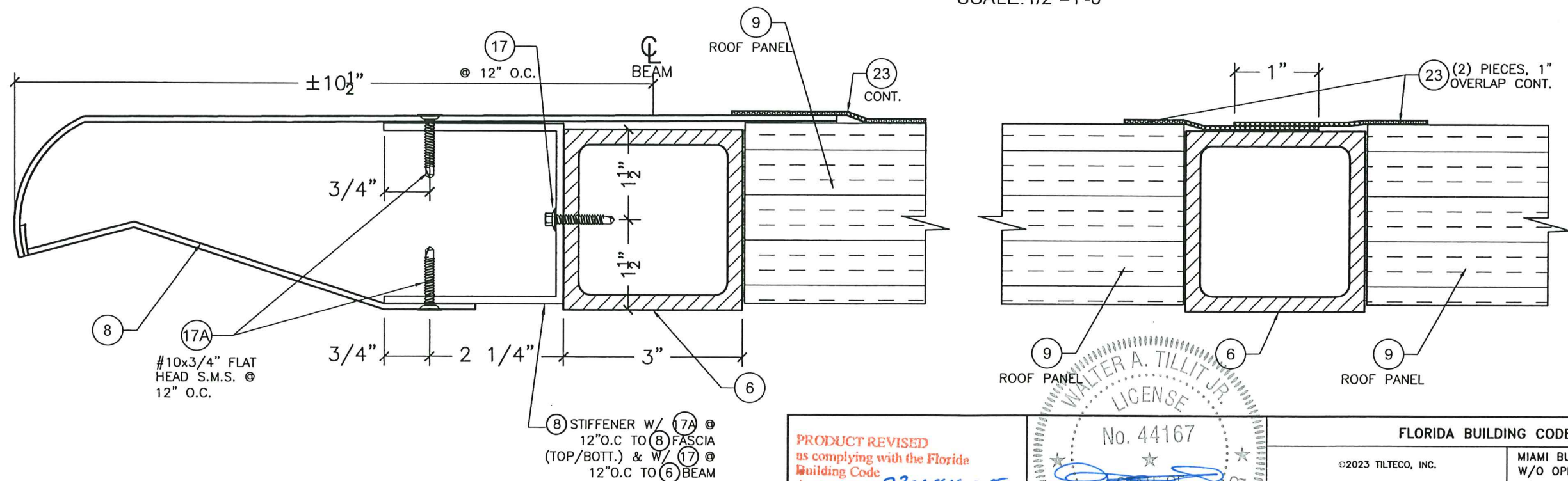
PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 23-0816.25 Expiration Date 07/22/2026 By: <i>Hedy Villar</i> Miami Dade Product Control MIAMI DADE COUNTY		WALTER A. TILLIT JR. LICENSE No. 44167 STATE OF FLORIDA PROFESSIONAL ENGINEER 7/21/2023 P.E. SEAL/SIGNATURE/DATE		FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE) ©2023 TILTECO, INC. TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 • Fax: (305)871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167		MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL Y.M. DRAWN BY: 7/21/2023 DATE: 23-123 DRAWING No. SHEET 12 OF 14	
REV. NO. DESCRIPTION DATE 1 OLD 20-286 7/21/2023 2 - - -		REV. NO. DESCRIPTION DATE 3 - - - 4 - - -		OUTFRONT MEDIA, INC. 8530 NW 23rd Street DORAL, FL 33122			



<p>PRODUCT REVISED as complying with the Florida Building Code Acceptance No. 23-0816.25 Expiration Date 07/22/2026 By <i>Heidi A. Miller</i> Miami Dade Product Control MIAMI DADE COUNTY</p>		<p>No. 44167 STATE OF FLORIDA Professional Engineer 7/24/2023 P.E. SEAL/SIGNATURE/DATE</p>		<p>FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)</p> <p>©2023 TILTECO, INC.</p> <p>TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 6355 N.W. 38th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone: (305)871-1530 • Fax: (305)871-1531 CA-0006719</p>		<p>MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL</p> <p>OUTFRONT MEDIA, INC. 8530 NW 23rd Street DORAL, FL 33122</p>		<p>Y.M. DRAWN BY: 7/21/2023 DATE: 23-123 DRAWING No. SHEET 13 OF 14</p>	
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE				
1	OLD 20-208	7/21/2023	3	-	-				
2	-	-	4	-	-				



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



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

PRODUCT REVISED
as complying with the Florida
Building Code
Acceptance No. 23-0816.25
Expiration Date 07/22/2026
By *Walter A. Tillit Jr.*
Miami Dade Product Control
MIAMI DADE COUNTY

WALTER A. TILLIT JR.
LICENSE
No. 44167
STATE OF FLORIDA
Professional Engineer
7/24/2023
P.E. SEAL/SIGNATURE/DATE

FLORIDA BUILDING CODE (HIGH VELOCITY HURRICANE ZONE)					
©2023 TILTECO, INC.			MIAMI BUS SHELTER CANTILEVERED SLIM VERSION W/O OPPI PAL-LI SOLAR DISPLAY PANEL		Y.M. DRAWN BY:
TILTECO INC. TILLIT TESTING & ENGINEERING COMPANY 8355 N.W. 36th St., Ste. 305, VIRGINIA GARDENS, FL 33166 Phone : (305)871-1530 • Fax : (305)871-1531 CA-0006719 WALTER A. TILLIT Jr., P.E. FLORIDA Lic. # 44167			OUTFRONT MEDIA, INC. 8530 NW 23rd Street DORAL, FL 33122		7/21/2023 DATE:
					23-123 DRAWING No.
REV. NO	DESCRIPTION	DATE	REV. NO	DESCRIPTION	DATE
1	OLD 20-208	7/21/2023	3	-	-
2	-	-	4	-	-