

DIVERSITECH CORP.

QSMS ALUMINUM MECHANICAL EQUIPMENT STAND

VALID FOR USE INSIDE AND OUTSIDE THE HVHZ (SEE LIMITATIONS HEREIN)

THIS IS A NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. A DESIGN PROFESSIONAL SHALL BE RESPONSIBLE FOR CERTIFYING THE APPLICATION OF THIS INFORMATION TO ANY SITE-SPECIFIC LOCATION.

DESIGN CRITERIA:

- FLORIDA BUILDING CODE 9TH EDITION (2026), ASCE 7-22 LOAD COMBINATIONS
- DEAD LOADING
 - (SEE MECHANICAL UNIT WEIGHTS IN DESIGN SCHEDULES)
 - WIND LOADING INPUTS
 - (SEE DESIGN SCHEDULES FOR MAXIMUM ALLOWABLE (ASD) LATERAL AND UPLIFT PRESSURES)

DESIGN, CODES. AND CALCULATIONS

DESIGN NOTES:

- ALLOWABLE DESIGN PRESSURES UTILIZED IN THIS DOCUMENT HAVE BEEN CALCULATED PER THE REQUIREMENTS OF THE CODES AND STANDARDS STATED HEREIN USING ASCE 7-22 ALLOWABLE STRESS DESIGN METHODOLOGY WITH THE CRITERIA AS OUTLINED HEREIN. THE CONTRACTOR SHALL CONTACT THE AUTHORITY HAVING JURISDICTION TO ENSURE APPROPRIATE CRITERIA TO BE USED BEFORE CONSTRUCTION BEGINS.
- DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. IN SOME CASES, DETAILS MAY BE INTENTIONALLY ALTERED FOR PRESENTATION PURPOSES. DO NOT SCALE DIMENSIONS ELECTRONICALLY OR OTHERWISE. FIELD INSTALLATION MAY VARY SLIGHTLY BUT MUST REMAIN WITHIN 5% OF THE INTENDED DESIGN. CONTRACTOR IS TO VERIFY ALL FIELD DIMENSIONS PRIOR TO INSTALLATION.
- THIS DRAWING SET IS PREPARED AS A GENERIC DESIGN AND DOES NOT PROVIDE INFORMATION FOR A SPECIFIC SITE. FOR SITE CONDITIONS DIFFERENT FROM THE CONDITIONS DETAILED HEREIN, A LICENSED ENGINEER OR REGISTERED ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE IN CONJUNCTION WITH THIS DOCUMENT.
- THE INTEGRITY OF ANY EXISTING STRUCTURE HAS NOT BEEN VERIFIED BY THIS ENGINEER. THESE PLANS ARE NOT TO BE USED FOR CONSTRUCTION UNTIL A DESIGN PROFESSIONAL APPROVES THE HOST STRUCTURE AS BEING ABLE TO ACCOMMODATE THE NEW DESIGN.
- THIS DOCUMENT IS INTENDED TO CERTIFY THE FOLLOWING TO RESIST WIND AND DEAD LOADS ONLY:
 - THE STRUCTURAL INTEGRITY THE MECHANICAL UNIT STANDS AS NOTED.
 - THE STRUCTURAL INTEGRITY OF THE CONNECTION OF THE MECHANICAL UNIT STANDS TO THE HOST STRUCTURE AS NOTED.
- THE STRUCTURAL INTEGRITY OF THE ATTACHMENT OF THE MECHANICAL UNITS TO THE STANDS AS NOTED. 6. THE STRUCTURAL INTEGRITY OF THE MECHANICAL UNITS DESCRIBED HEREIN IS NOT INCLUDED IN THE CERTIFICATION. IF REQUIRED BY THE AUTHORITY HAVING JURISDICTION, THE MECHANICAL UNIT INTEGRITY TO RESIST WIND, IMPACT OR ANY OTHER LOADS SHALL BE CERTIFIED BY OTHERS.
- FOR PERMANENT OUTDOOR INSTALLATIONS, ALL EXPOSED ANCHORS, FASTENERS, CONNECTORS, AND METAL PLATES SHALL BE CORROSION RESISTANT. CORROSION RESISTANCE MAY BE PROVIDED BY INHERENT MATERIAL COMPOSITION OR, WHERE PERMITTED BY CODE, BY AN APPROVED PROTECTIVE COATING OR GALVANIZATION. WHERE APPLICABLE NEAR A SALTWATER COASTLINE, SUCH COMPONENTS SHALL COMPLY WITH FBC SECTION 1711, INCLUDING APPLICABLE REQUIREMENTS FOR EXPOSED, PROTECTED, OR ENCLOSED CONDITIONS. MATERIALS, COATINGS, AND FINISHES SHALL BE COMPATIBLE WITH CONNECTED MATERIALS, AND PROTECTIVE COATINGS SHALL BE CONTINUOUS OVER EXPOSED SURFACES. FASTENERS USED WITH ALUMINUM MEMBERS SHALL ALSO COMPLY WITH SECTION J.3.7.2 OF THE ALUMINUM DESIGN MANUAL, "SPECIFICATION FOR ALUMINUM STRUCTURES." SUBSTITUTION OF COMPONENTS FROM ALTERNATE MANUFACTURERS, OR WITH DIFFERENT MATERIALS, COATINGS, OR FINISHES, SHALL NOT BE ASSUMED EQUIVALENT AND MAY REQUIRE ADDITIONAL ENGINEERING REVIEW OR SITE-SPECIFIC ANALYSIS.

CODES & STANDARDS

- THIS SYSTEM HAS BEEN DESIGNED AND SHALL BE FABRICATED IN ACCORDANCE WITH THE REQUIREMENTS OF BUILDING CODES LISTED IN THE DESIGN CRITERIA. DESIGN CRITERIA OR SPANS BEYOND STATED HEREIN MAY REQUIRE ADDITIONAL SITE SPECIFIC SEALED ENGINEERING.
- CONTRACTOR SHALL INVESTIGATE AND CONFORM TO ALL LOCAL BUILDING CODE AMENDMENTS WHICH MAY APPLY. DESIGN CRITERIA BEYOND AS STATED HEREIN MAY REQUIRE ADDITIONAL SITE-SPECIFIC SEALED ENGINEERING.

CALCULATIONS

- ANY EXISTING HOST STRUCTURE MUST BE CAPABLE OF SUPPORTING THE LOADED SYSTEM AS VERIFIED BY THE ENGINEER & OR ARCHITECT OF RECORD, et.al. THE HOST STRUCTURE WHICH IS DESIGNED, CERTIFIED, AND INSPECTED BY OTHERS MUST PROVIDE SUFFICIENT CAPACITY FOR THE SYSTEM & REACTIONS DETAILED HEREIN. NO WARRANTY OR GUARANTEE TO THESE CONDITIONS, EITHER EXPRESSED OR IMPLIED, IS OFFERED WITH THIS CERTIFICATION.

STRUCTURAL MATERIALS & CONNECTIONS

STRUCTURAL ALUMINUM & ALUMINUM WELDING:

- ALL COMPONENTS SHALL BE STRUCTURAL ALUMINUM (U.N.O.) AND SHALL BE FABRICATED AND ERECTED ACCORDING TO THE GOVERNING BUILDING CODE AND MATERIAL STANDARDS REFERENCED ON THIS SHEET.
- ALL STRUCTURAL ALUMINUM SHALL BE MIN 1/8" THICK U.N.O. AND BE OF THE FOLLOWING ALLOY AND TEMPER:
 - ALL STAND COMPONENTS 6063-T6 OR EQUIVALENT (UNLESS NOTED OTHERWISE)
 - FASTENERS SAE GR 2 CS OR SS 316 MINIMUM (UNLESS NOTED OTHERWISE)
- WHERE ALUMINUM IS IN CONTACT WITH OTHER METALS EXCEPT 300 SERIES STAINLESS STEEL, ZINC OR CADMIUM AND THE FAYING SURFACES ARE EXPOSED TO MOISTURE, THE OTHER METALS SHALL BE PAINTED OR COATED WITH ZINC, CADMIUM, OR ALUMINUM.
- UNCOATED ALUMINUM SHALL NOT BE EXPOSED TO MOISTURE OR RUNOFF THAT HAS COME IN CONTACT WITH OTHER UNCOATED METALS EXCEPT 300 SERIES STAINLESS STEEL, ZINC, OR CADMIUM. ALUMINUM SURFACES TO BE PLACED IN CONTACT WITH MASONRY, CONCRETE, WOOD, FIBERBOARD, OR OTHER POROUS MATERIAL THAT ABSORBS WATER SHALL BE PAINTED.
- FOR ALUMINUM IN CONTACT WITH CONCRETE: ACCEPTABLE PAINTS: PRIMING PAINT (ONE COAT), SUCH AS ZINC MOLYBDATE PRIMER IN ACCORDANCE WITH FEDERAL SPECIFICATION TT-P-645B ("GOOD QUALITY", NO LEAD CONTENT). ALT: HEAVY COATING OF ALKALI RESISTANT BITUMINOUS PAINT. ALT: WRAP ALUMINUM WITH A SUITABLE PLASTIC TAPE APPLIED IN SUCH A MANNER AS TO PROVIDE ADEQUATE PROTECTION AT THE OVERLAPS.
- BOLT HOLES SHALL BE DRILLED THE SAME NOMINAL DIAMETER AS THE BOLT + 1/16".
- ALUMINUM WELDING SHALL BE PERFORMED IN ACCORDANCE WITH WELD FILLER ALLOYS MEETING ANSI/AWS A5.10 STANDARDS (5356 FILER MIN.) TO ACHIEVE ULTIMATE DESIGN STRENGTH IN ACCORDANCE WITH THE ALUMINUM DESIGN MANUAL PART I-A, TABLE 7.3.1. ALL ALUMINUM CONSTRUCTION SHALL BE IN CONFORMANCE WITH THE TOLERANCES, QUALITY, AND METHODS OF CONSTRUCTION AS SET FORTH IN THE AMERICAN WELDING SOCIETY'S STRUCTURAL WELDING CODE-ALUMINUM (D1.2). MINIMUM WELD IS 1/8" THROAT FULL PERIMETER FILLET WELD UNLESS OTHERWISE NOTED.
- STAINLESS STEEL FASTENERS SHALL BE 316 SERIES SS COLD WORKED CONDITION. PROVIDE (5) PITCHES MINIMUM PAST THE THREAD PLANE FOR ALL SCREW CONNECTIONS. ALL FASTENER CONNECTIONS TO METAL SHALL PROVIDE 2xDIAMETER EDGE DISTANCE AND 3xDIAMETER SPACING.
- SELF-DRILLING SCREWS SHALL BE TEK BRAND / ALL POINTS FASTENERS OR EQUIVALENT OF SIZE #12 MINIMUM UNLESS OTHERWISE NOTED.

- THE CONTRACTOR IS RESPONSIBLE TO INSULATE ALL MEMBERS FROM DISSIMILAR MATERIALS TO PREVENT ELECTROLYSIS.
- ELECTRICAL GROUND, WHEN REQUIRED, TO BE DESIGNED & INSTALLED BY OTHERS.
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. MINIMUM EMBEDMENT SHALL BE AS NOTED HEREIN. MINIMUM EMBEDMENT AND EDGE DISTANCE ARE DEPTHS INTO SOLID SUBSTRATE AND DO NOT INCLUDE THICKNESS OF ANY HOST SUBSTRATE FINISHES. ALL CONCRETE ANCHORS SHALL BE INSTALLED TO NON-CRACKED CONCRETE UNLESS NOTED OTHERWISE.
- ANCHOR QUANTITIES INDICATED IN DETAILS ARE FOR GRAPHICAL PURPOSES ONLY. DO NOT SCALE DIAMETER, LENGTH, OR PENETRATION(S). HEAD STYLE(S) ARE FREELY INTERCHANGEABLE.

NON-STRUCTURAL ELEMENTS:

- THE INSTALLATION OF ANY ACCESSORIES THAT DO NOT AFFECT THE STRUCTURAL INTEGRITY OF THE STRUCTURE ARE OUTSIDE THE SCOPE OF THIS CERTIFICATION AND NOT REQUIRED TO BE CERTIFIED UNDER THIS STRUCTURAL DRAWING. THEY MAY BE INSTALLED WITHIN LIMITATIONS STATED HEREIN AND AS DESIRED PER MFR. SPECIFICATIONS. DETAILS PROVIDED HEREIN ARE FOR REFERENCE ONLY

GENERAL NOTES & DISCLAIMERS:

- DIMENSIONS ARE SHOWN TO ILLUSTRATE DESIGN FORCES AND OTHER DESIGN CRITERIA. THEY MAY VARY SLIGHTLY, BUT SHALL REMAIN IN CONFORMANCE WITH THE LIMITATIONS OF THIS PLAN. THE CONTRACTOR IS TO VERIFY ALL FIELD DIMENSIONS PRIOR TO INSTALLATION, AND VERIFY THAT PROPOSED DIMENSIONS AND FIELD CONDITIONS AGREE WITH THIS PROPOSED PLAN.
- USE OF THIS DOCUMENT CONSTITUTES ACCEPTANCE OF THE PROPOSED SYSTEM LAYOUT, COMPONENTS SELECTED, AND INSTALLATION. THESE DRAWINGS ARE NOT INTENDED TO BE USED AS FABRICATION OR SHOP DRAWINGS.
- 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 & 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.
- ALTERATIONS, ADDITIONS, HIGHLIGHTING, OR OTHER MARKINGS TO THIS DOCUMENT ARE ONLY PERMITTED TO SHOW SITE-SPECIFIC CONDITIONS, HOWEVER ANY CHANGES, ALTERATIONS OR ADDITIONS MADE TO THE CONTENT OF THIS DOCUMENT WILL INVALIDATE THIS CERTIFICATION.
- EXCEPT AS EXPRESSLY PROVIDED HEREIN, NO ADDITIONAL CERTIFICATIONS OR AFFIRMATIONS ARE INTENDED.

TERMINOLOGY:

SEE FOLLOWING PAGE FOR TERMINOLOGY SECTION.

VISIT

ECALC.IO/DIVERSITECH

FOR SITE-SPECIFIC DEVIATIONS
& MORE INFORMATION ABOUT THIS DOCUMENT
OR SCAN THIS QR CODE

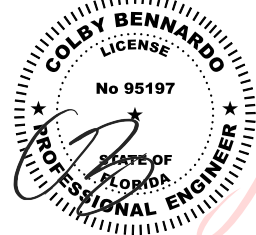
VISIT **ENGINEERINGEXPRESS.COM/STORE**
FOR ADDITIONAL PLANS, REPORTS & RESOURCES



NOTE REGARDING USE OF THIS DOCUMENT & USE OUTSIDE FLORIDA:

THIS IS A NON-SITE-SPECIFIC STRUCTURAL PERFORMANCE EVALUATION. THIS PRODUCT EVALUATION IS VALID FOR USE IN **FLORIDA ONLY**. USE OF THIS EVALUATION REQUIRES A REVIEW & CERTIFICATION BY A LOCAL DESIGN PROFESSIONAL WHO SHALL BE RESPONSIBLE FOR THE PROPER ADAPTATION OF THIS GENERAL PERFORMANCE EVALUATION TO ANY SITE-SPECIFIC PROJECT. CONTACT THIS OFFICE AT **ENGINEERINGEXPRESS.COM/QUOTE** FOR ASSISTANCE WITH YOUR PROJECT-SPECIFIC NEEDS & FOR ADAPTATION & CERTIFICATION OF THIS DOCUMENT OUTSIDE OF FLORIDA.

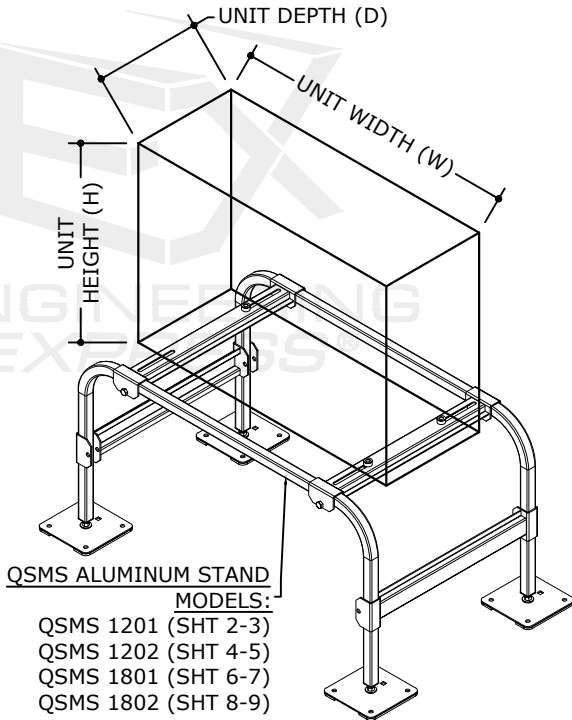
COLBY BENNARDO, P.E.
PE# 95197 CA# 9885



Digitally signed by
Colby Bennardo
Date: 2026.08.18
12:41:58 -04'00'

ENGINEER SIGNATURE & SEAL NOTICE:

*PRINTED COPIES OF THIS DOCUMENT ARE NOT CONSIDERED SIGNED & SEALED. SIGNATURE MUST BE VERIFIED ON ANY ELECTRONIC COPIES.
***FOR FLORIDA STATEWIDE PRODUCT APPROVALS (FSAs) REGISTERED & APPROVED WITH THE STATE OF FLORIDA:**
ORIGINAL, SEALED COPIES OF APPROVED FLORIDA PRODUCT APPROVALS ARE NOT REQUIRED FOR PERMIT.
SEE **ECALC.IO/SEAL** TO LEARN MORE.



QSMS ALUMINUM STAND
MODELS:

QSMS 1201 (SHT 2-3)
QSMS 1202 (SHT 4-5)
QSMS 1801 (SHT 6-7)
QSMS 1802 (SHT 8-9)
QSMS 2401 (SHT 10-11)
QSMS 2402 (SHT 12-13)

(SEE REMAINING SHEETS FOR
INDIVIDUAL STAND MODEL
DIMENSIONS AND LIMITATIONS)

DESIGN SCHEDULE

STAND MODEL	MAX UNIT WIDTH, W (in)	MAX UNIT HEIGHT, H (in)	UNIT DEPTH, D (in)	MAX LATERAL DESIGN PRESSURE (psf)	MAX VERTICAL DESIGN PRESSURE (psf)
QSMS 1201	28	24	13-16	70	55
QSMS 1202	28	24	13-16	57	45
QSMS 1801	28	24	13-16	95	75
QSMS 1802	28	24	13-16	74	58
QSMS 2401	28	24	13-16	72	57
QSMS 2402	28	24	13-16	57	45

DESIGN SCHEDULE NOTES:

- MAX. DESIGN PRESSURES NOTED ARE ALLOWABLE (ASD) PRESSURES.
- REFERENCE ABOVE DETAIL FOR DEFINITIONS OF MAX UNIT DIMENSIONS
- UNIT WEIGHT RANGE SHALL BE 75 LB MIN. UP TO 300 LB MAX.
- UNIT DIMENSIONS LARGER THAN LISTED WILL REQUIRE SITE SPECIFIC ENGINEERING AND APPROVAL

FL 43954.1

ENGINEERING
EXPRESS

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.

3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26
COPYRIGHT ENGINEERING EXPRESS®			

26-102677

SCALE: NTS UNLESS NOTED

1 OF 14

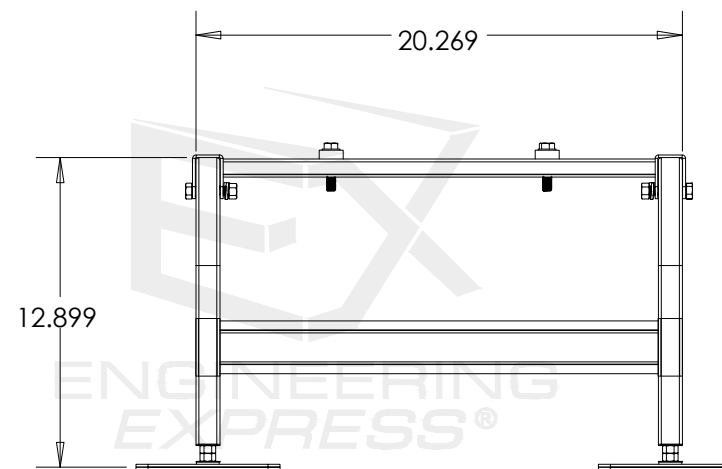
**ENGINEERING
EXPRESS®**
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

REMARKS	DRWN	CHKD	DATE
(INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/IER	EPR	08/17/26
*	*	*	*
*	*	*	*
*	*	*	*

SCALE: NTS UNLESS NOTED

2



VISIT **ECALC.IO/GLOSSARY** OR CONTACT ENGINEERING EXPRESS FOR ADDITIONAL ABBREVIATION/TERMINOLOGY CLARIFICATIONS.

QSMS 1201 (CONTINUED)

COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

FL

SIGNED:
08/18/2026

FL 43954.1

ENGINEERING
EXPRESS®

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

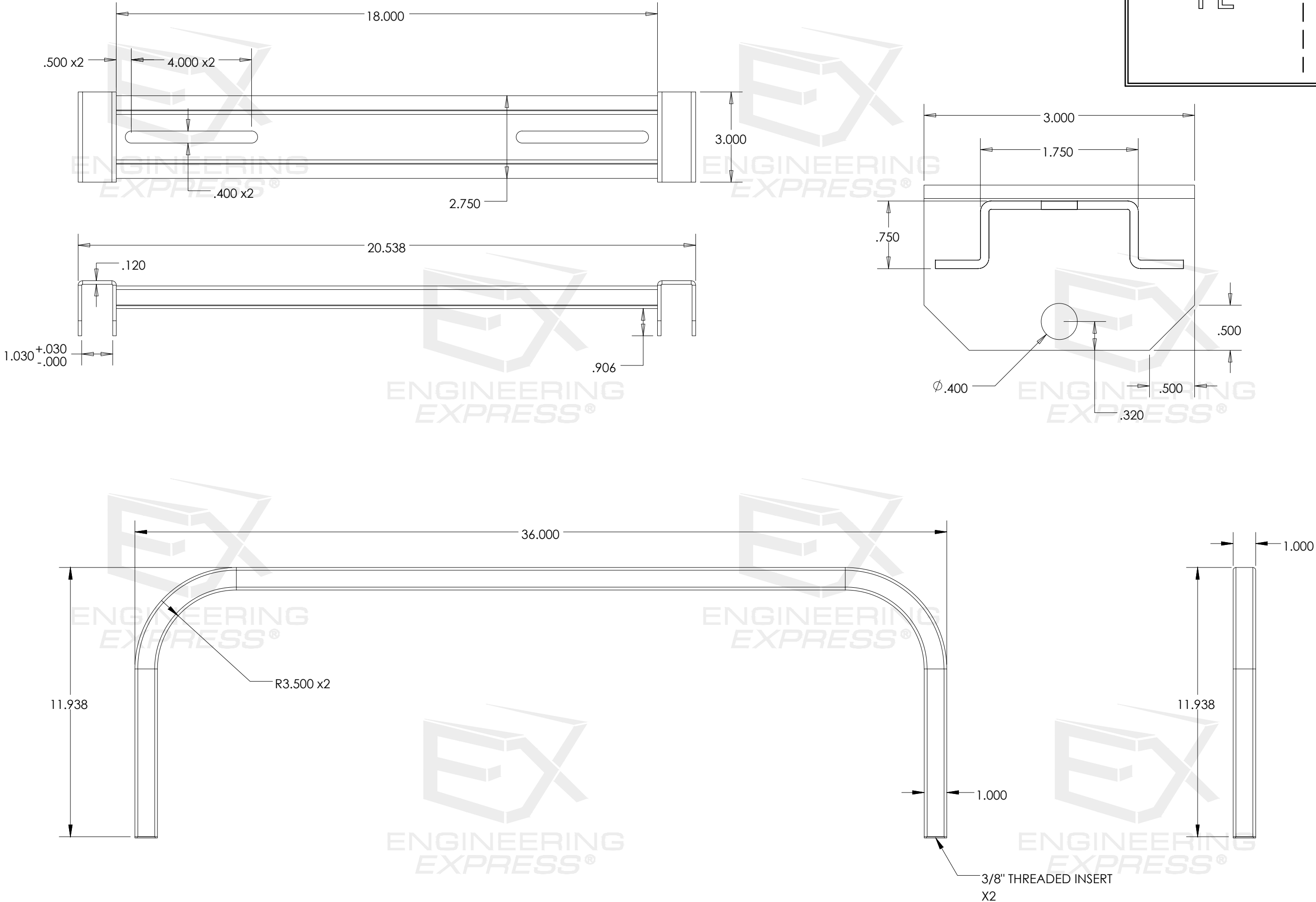
REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26

26-102677

SCALE: NTS UNLESS NOTED

3

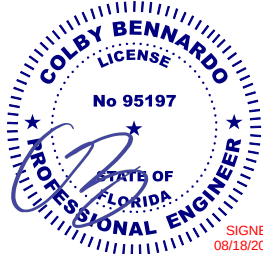
OF
14



QSMS 1202

COLBY BENNARD, P.E.
PE# 95197 CA# 9885

FL



FL 43954.1

ENGINEERING EXPRESS
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.

3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

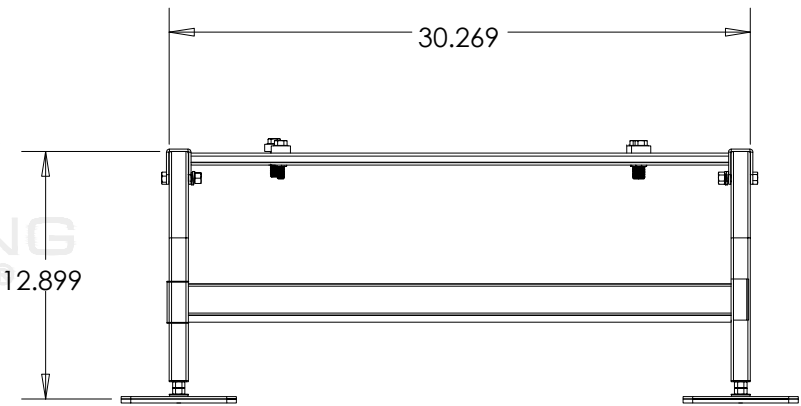
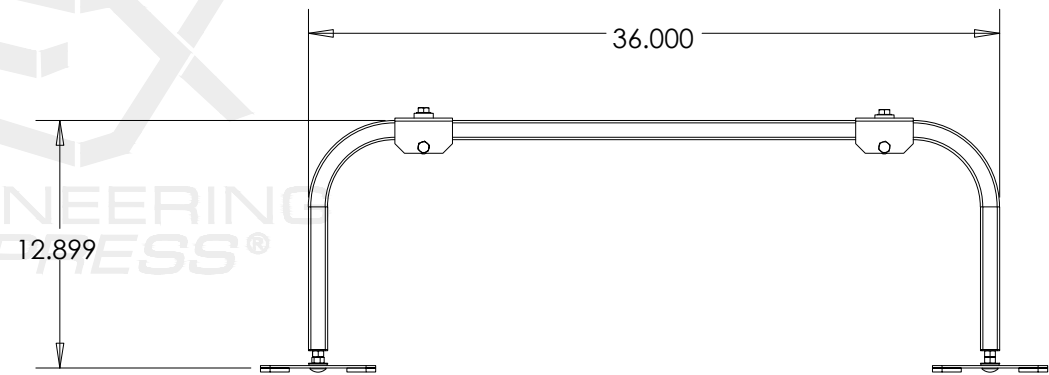
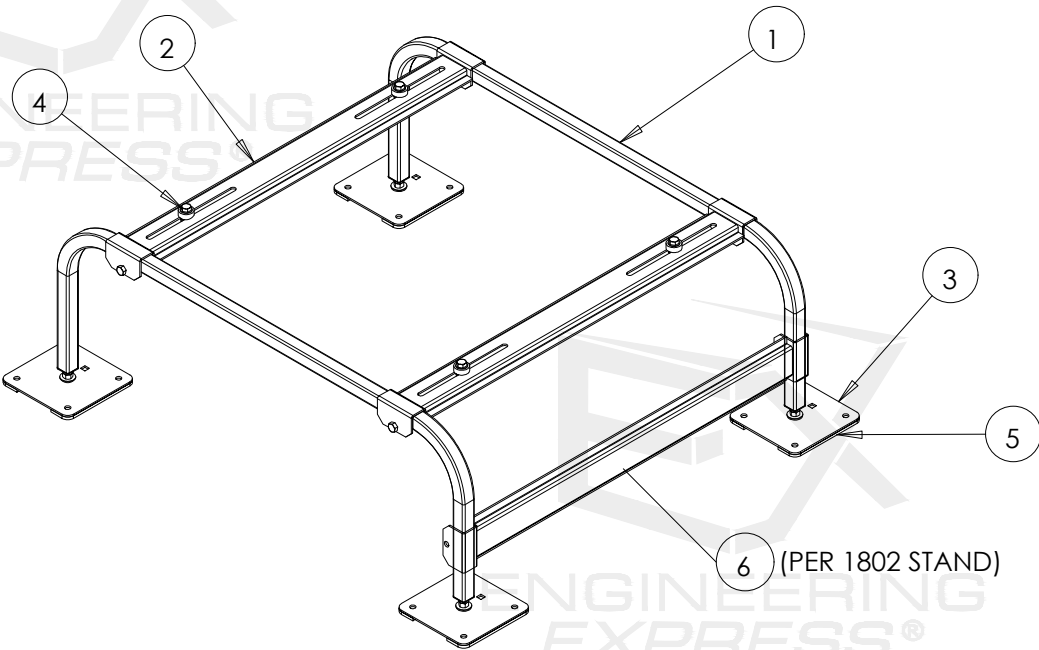
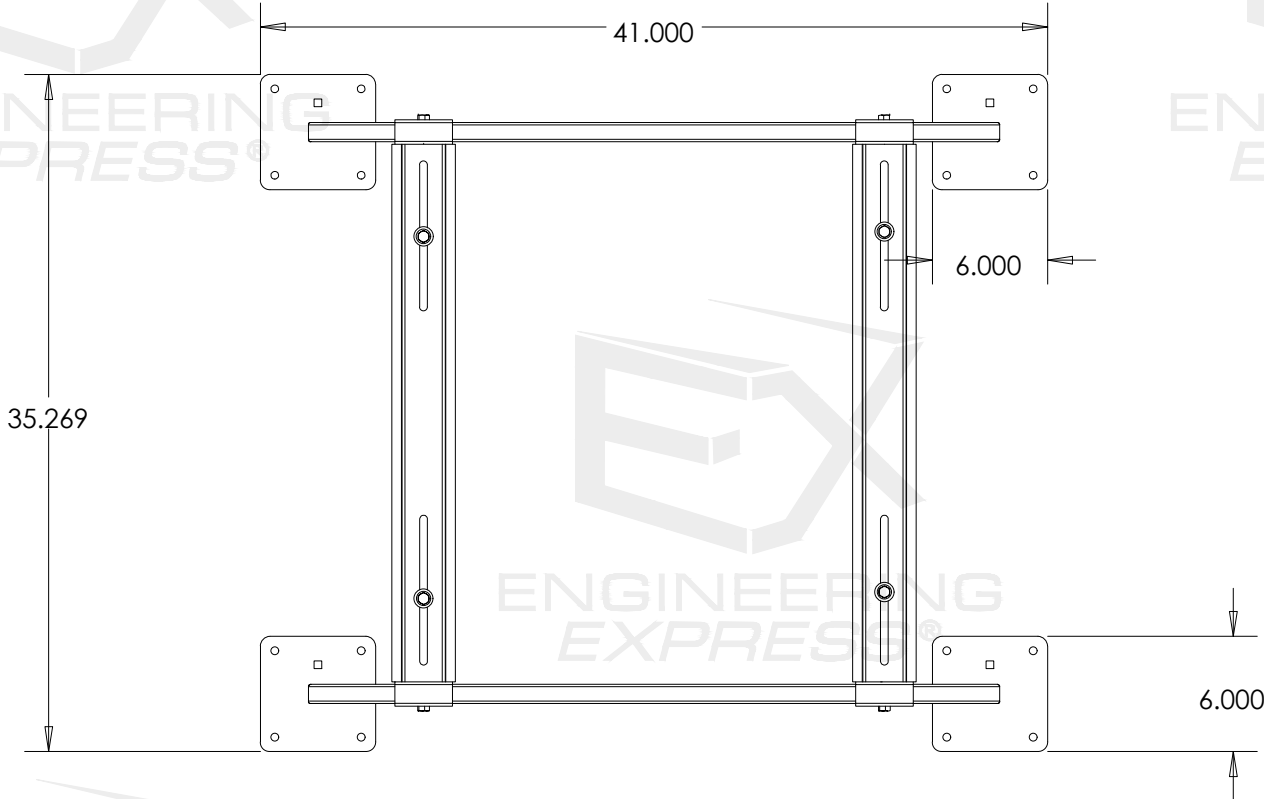
REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26

COPYRIGHT ENGINEERING EXPRESS®

26-102677

SCALE: NTS UNLESS NOTED

4 OF 14



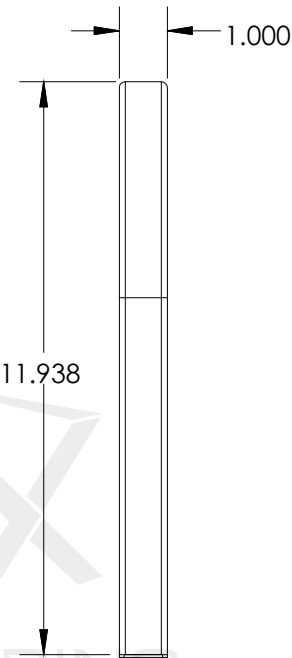
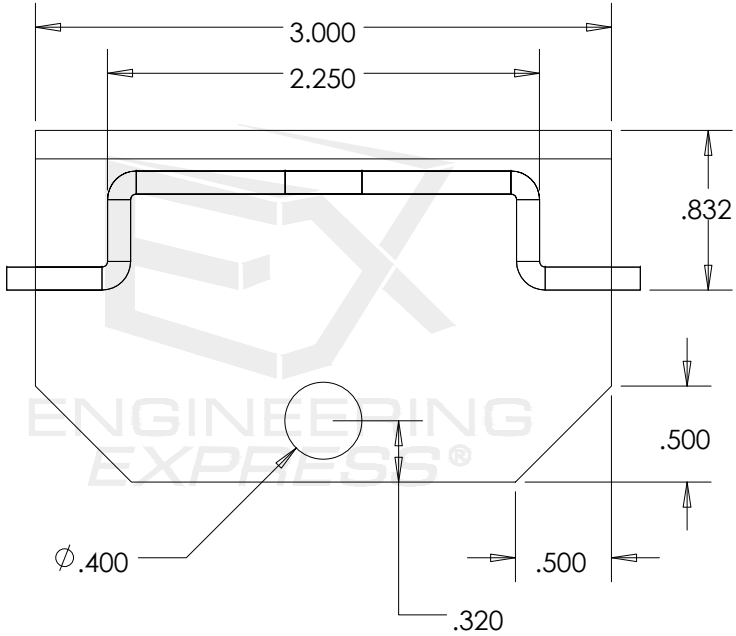
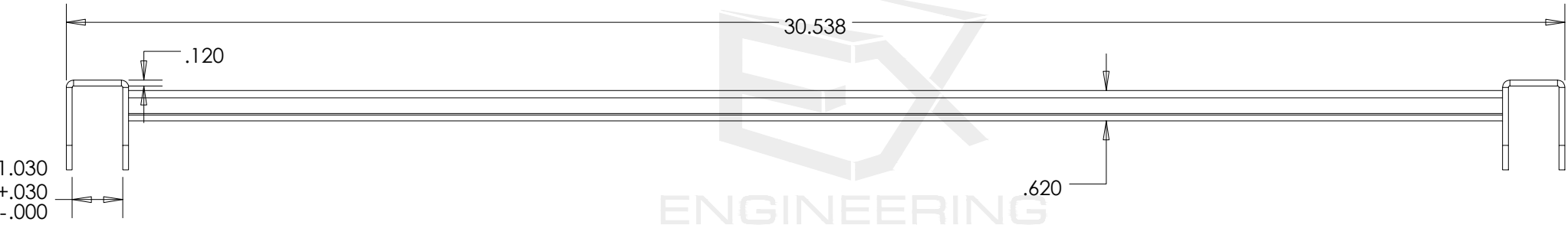
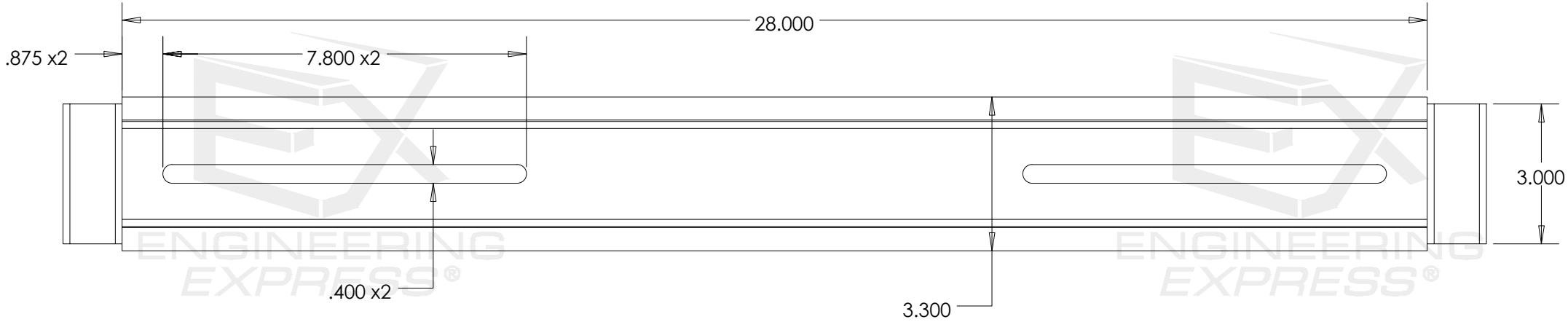
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MS145-AL	12" U-HOOP QSMS1201-AL	2
2	MS135-AL	LONG MINI SPLIT ARM	2
3	MS105-AL	MINI SPLIT 6X6 FEET	4
4	HDKMS02SS	HARDWARE KIT FOR QSMS1202	1
5	QSR042	MINI SPLIT RUBBER FOOT	8

QSMS 1202 (CONTINUED)

COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

FL

COLBY BENNARDO
LICENSE
No 95197
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SIGNED: 08/18/2026



FL 43954.1

ENGINEERING
EXPRESS®

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.

3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26
	.	.	.
	.	.	.
	.	.	.
	.	.	.
	.	.	.
	.	.	.
	.	.	.

COPYRIGHT ENGINEERING EXPRESS®

26-102677

SCALE: NTS UNLESS NOTED

SIGNE
08/18/20

FL 43954.1

**ENGINEERING
EXPRESS®**

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERING@EXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

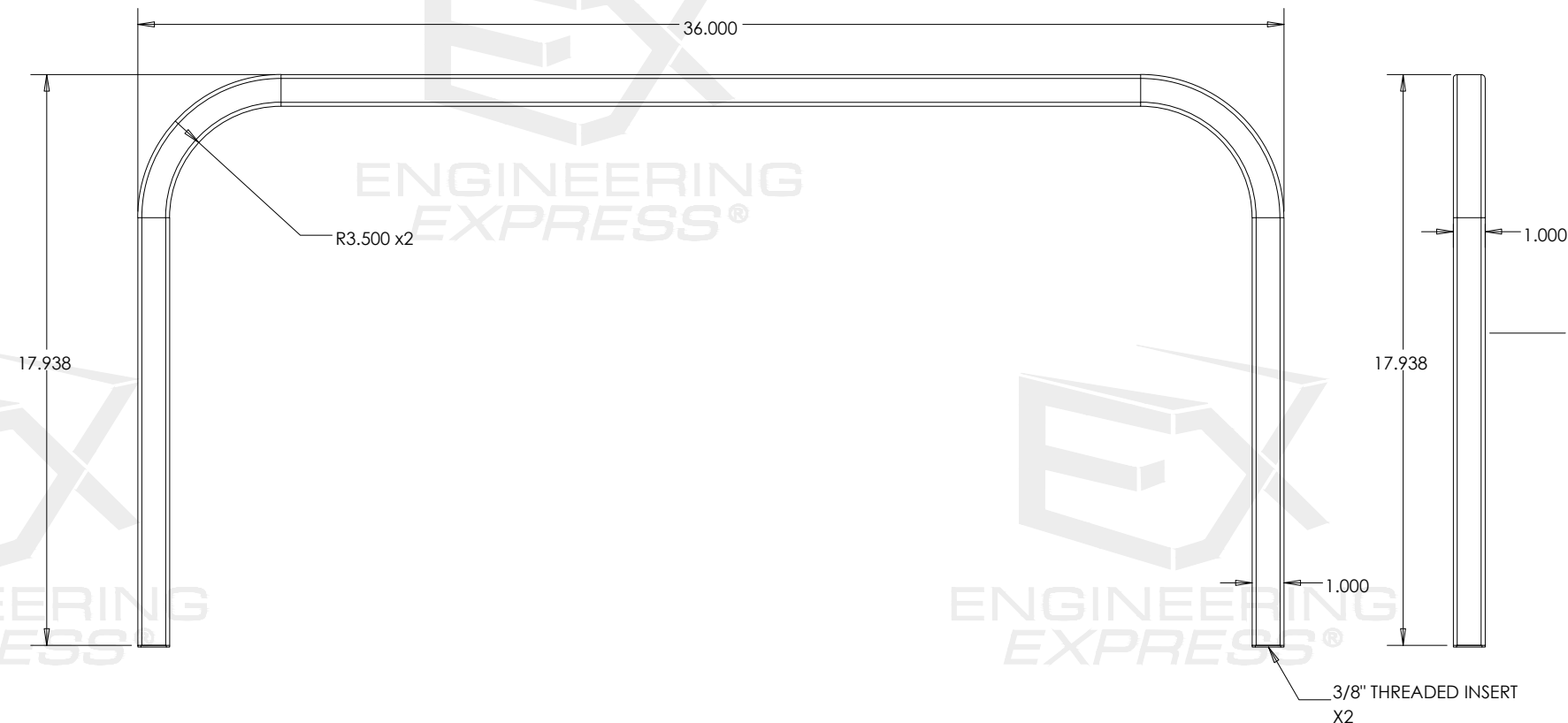
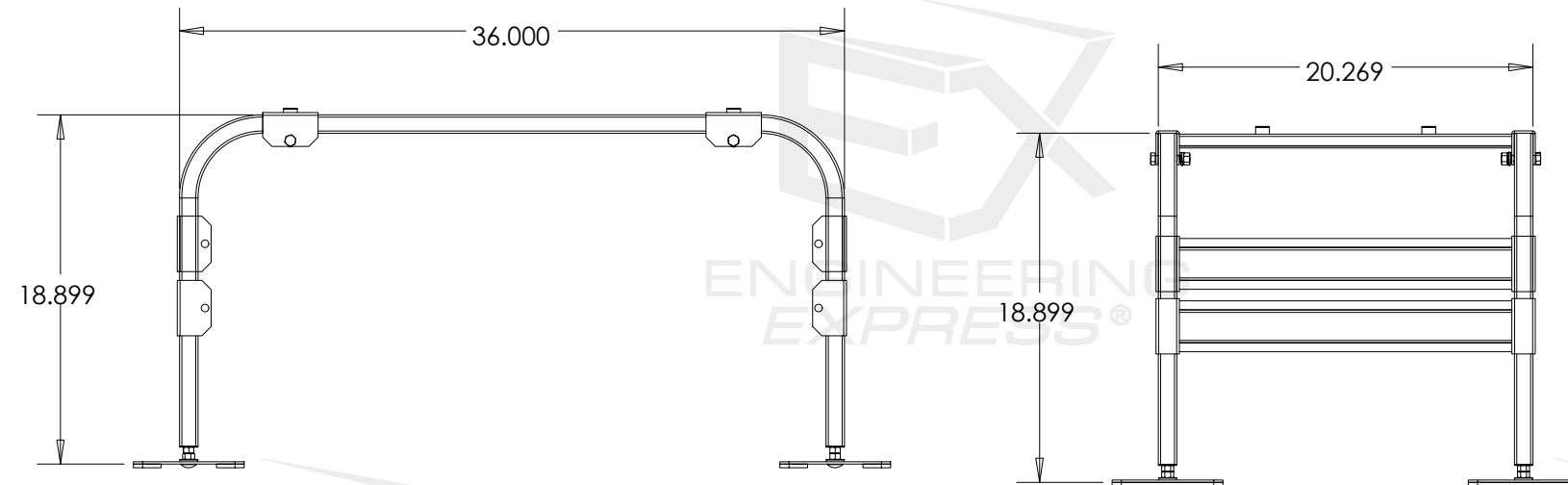
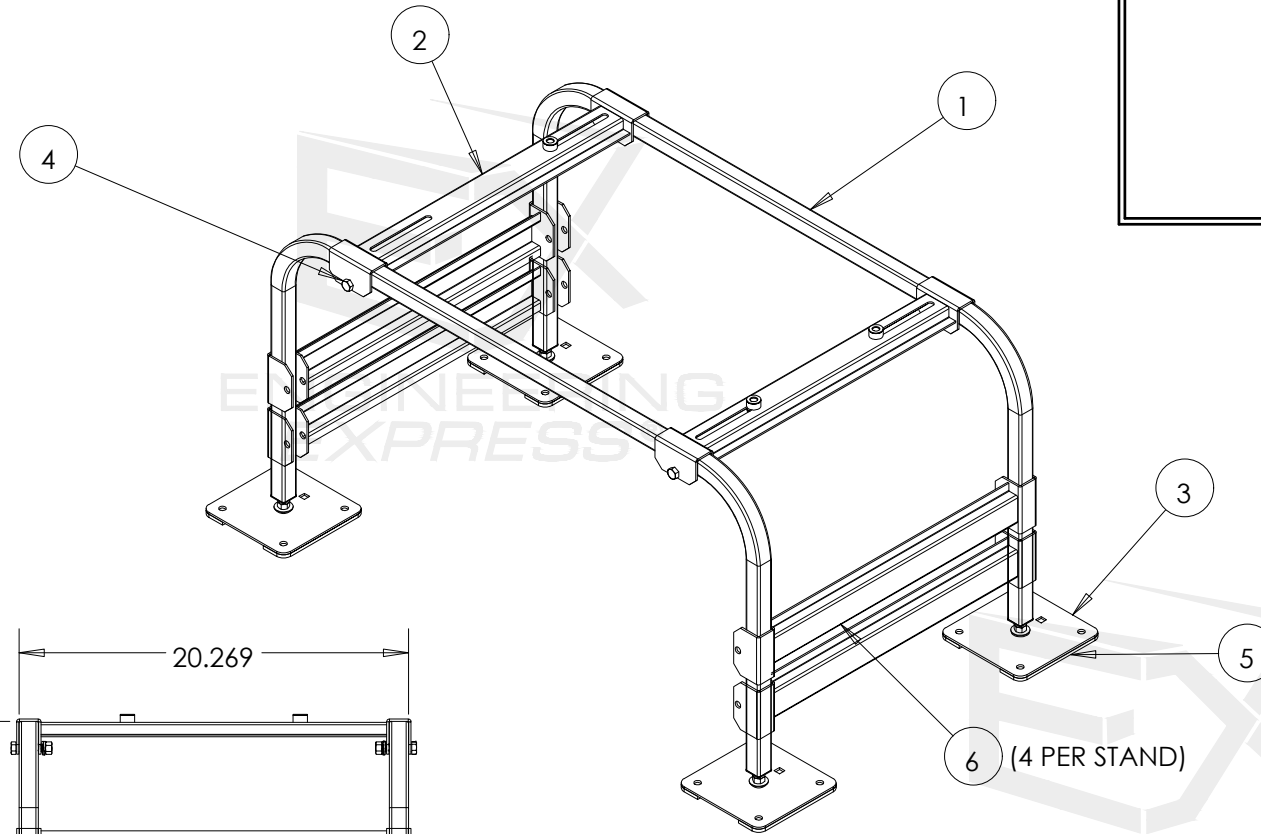
ALUMINUM MECHANICAL EQUIPMENT
A BUILDING CODE NINTH EDITION

[illegible]

26-102677

SCALE: NTS UNLESS NOT

6



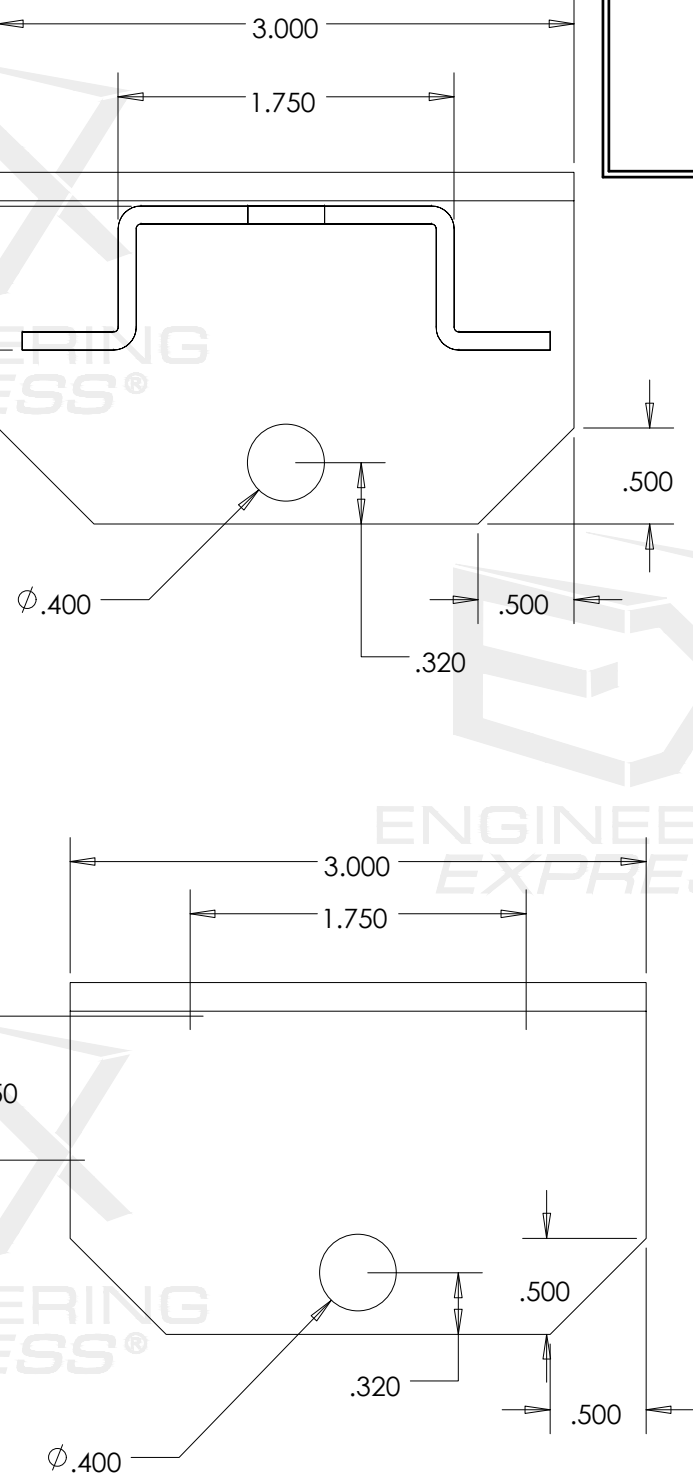
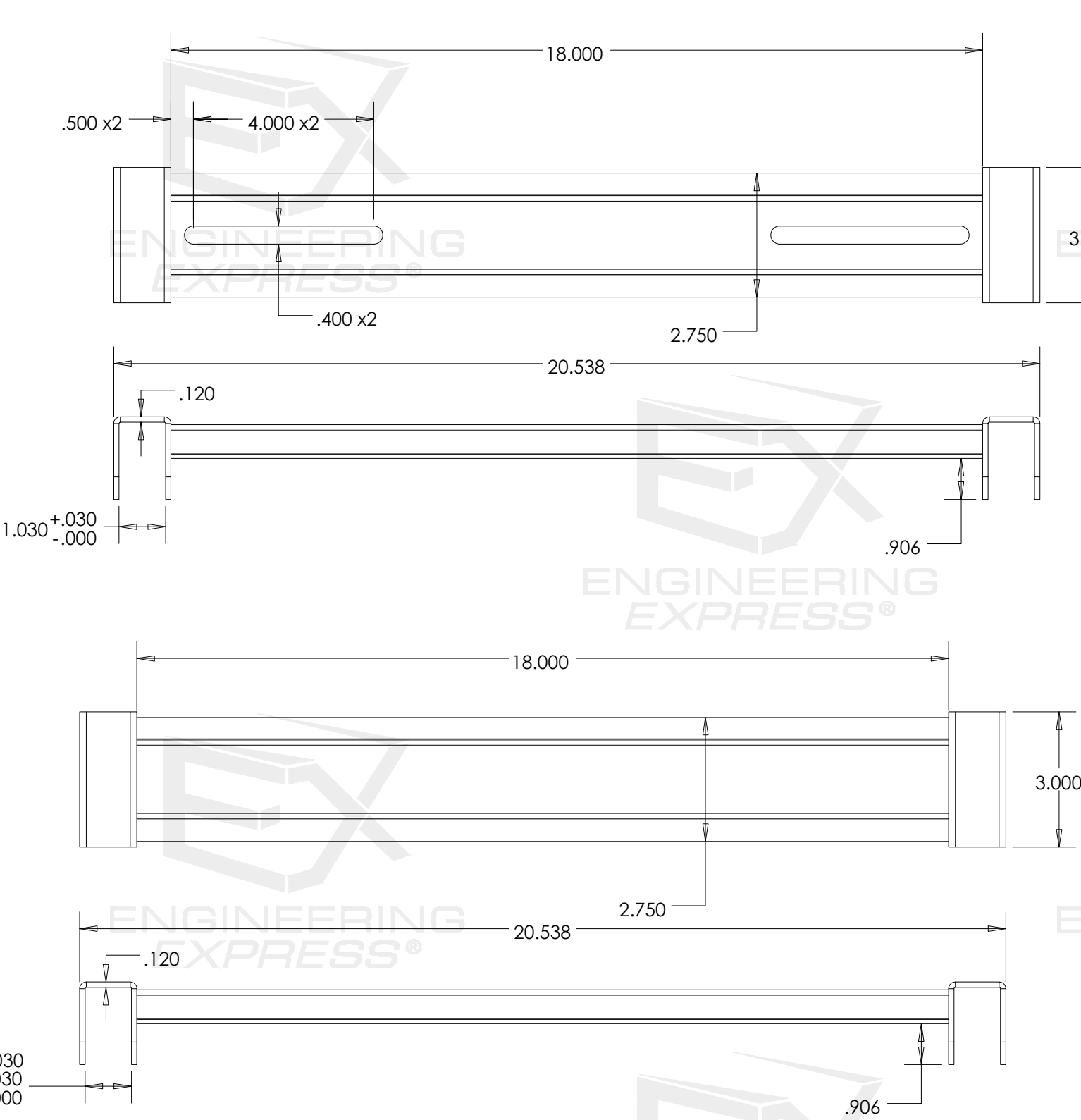
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MS152-PAL	18" U-HOOP QSMS1801-AL	2
2	MS119-PAL	MINI SPLIT LONG SADDLE ARM	2
3	MS105-PAL	MINI SPLIT 6X6 FEET	4
4	HDKMS05SS	HARDWARE KIT FOR QSMS1802, 2402	1
5	QSR042	MINI SPLIT RUBBER FOOT	8
6	MS114-PAL	ALUMINUM STABILITY RAIL	4

QSMS 1801 (CONTINUED)

COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

FL

COLBY BENNARDO
LICENSE
No 95197
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SIGNED: 08/18/2026



FL 43954.1

ENGINEERING
EXPRESS

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65625)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26
	.	.	.
	.	.	.
	.	.	.
	.	.	.
	.	.	.
	.	.	.
	.	.	.

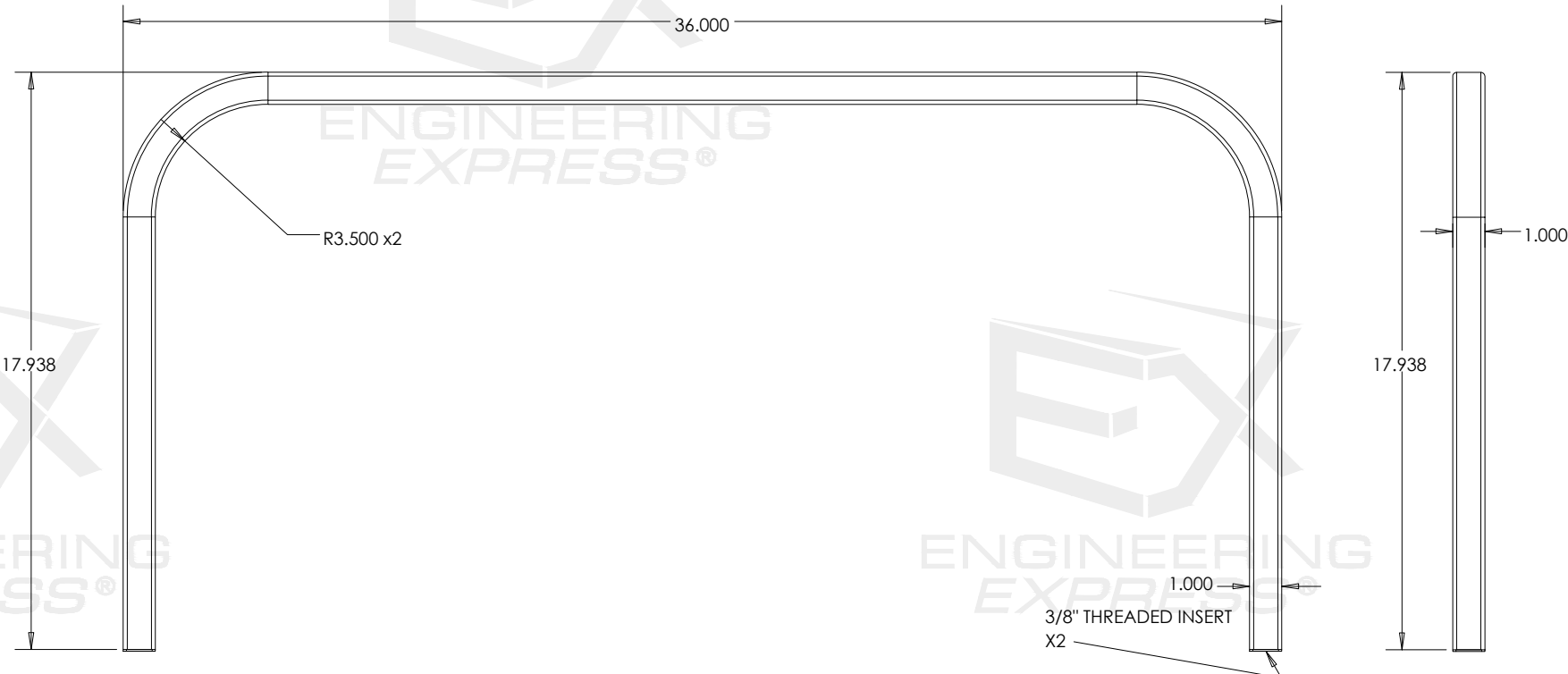
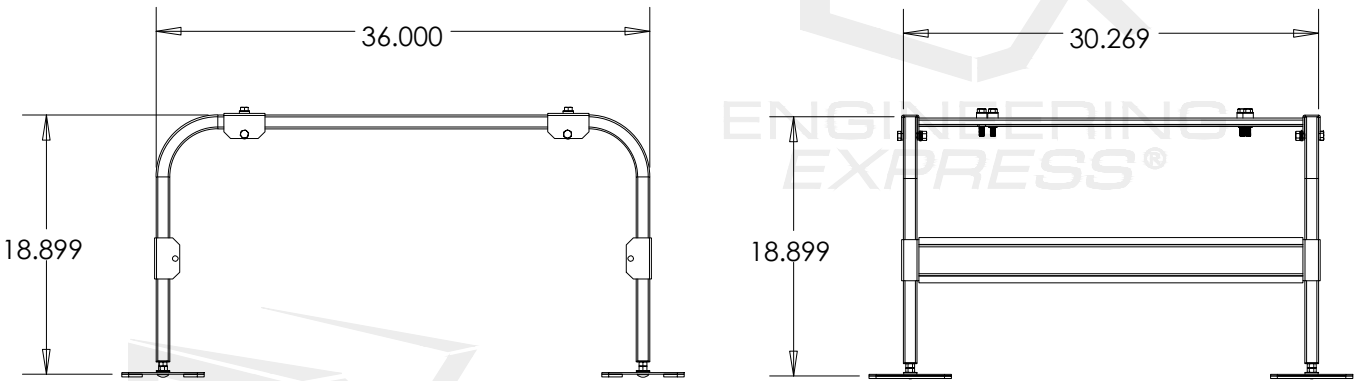
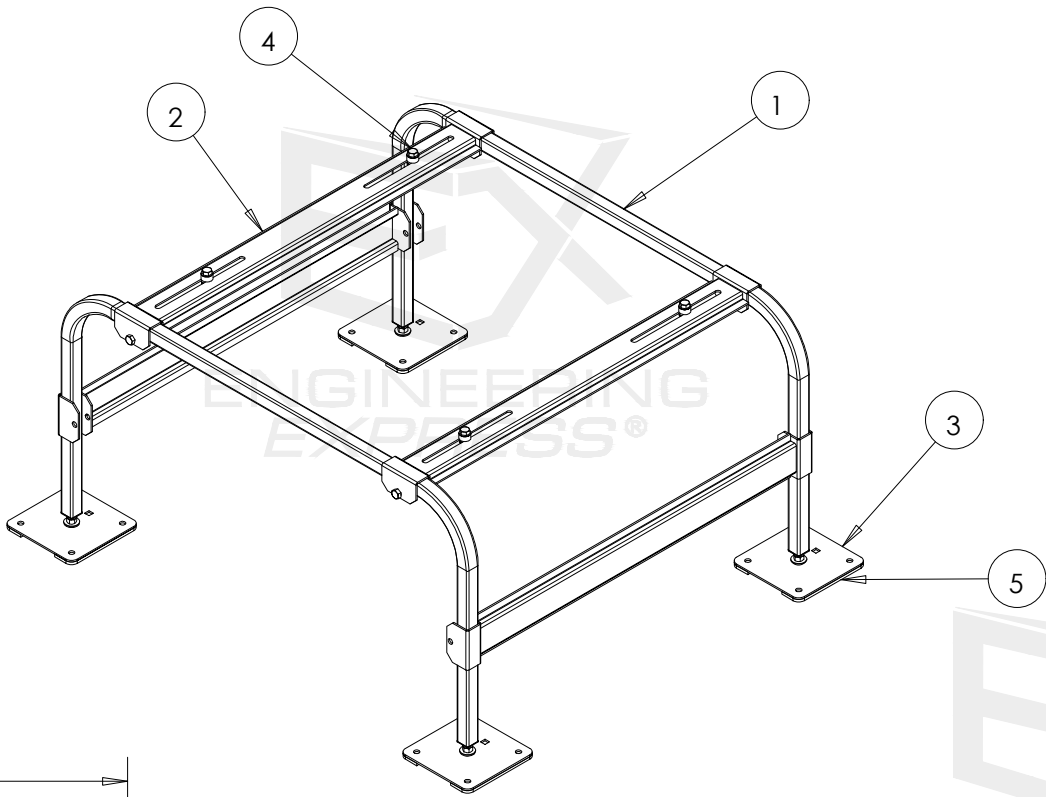
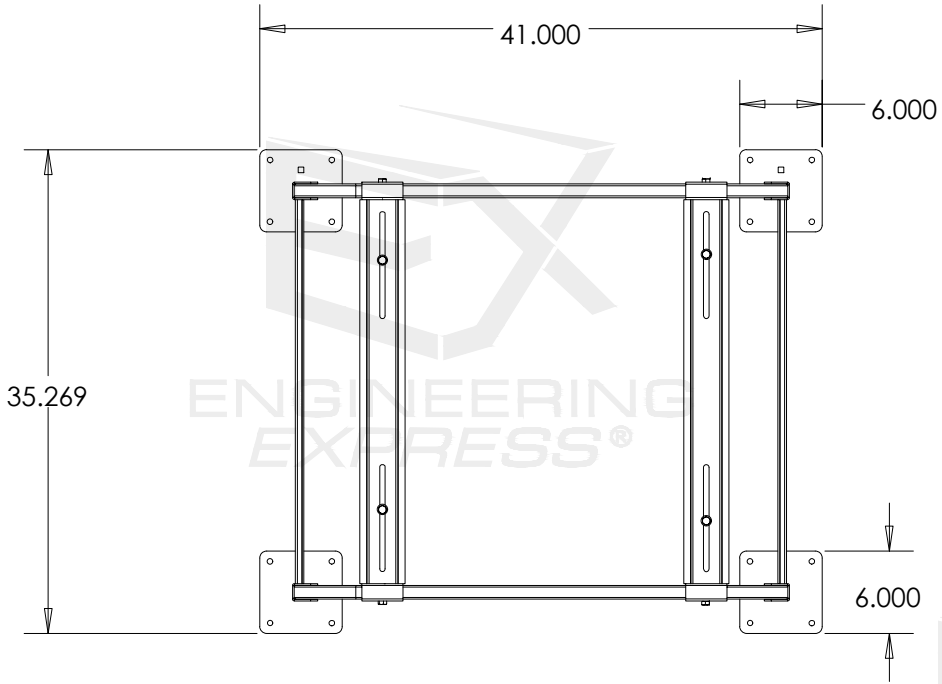
COPYRIGHT ENGINEERING EXPRESS®

26-102677

SCALE: NTS UNLESS NOTED

7 OF 14

QSMS 1802



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MS152-PAL	18" U-HOOP QSMS1801-AL	2
2	MS135-PAL	LONG MINI SPLIT ARM	2
3	MS105-PAL	MINI SPLIT 6X6 FEET	4
4	HDKMS05SS	HARDWARE KIT FOR QSMS1802, 2402	1
5	QSR042	MINI SPLIT RUBBER FOOT	8
6	MS115-PAL	ALUMINUM STABILITY RAIL	2

COLBY BENNARD, P.E.
PE# 95197 CA# 9885

FL

FL 43954.1

ENGINEERING EXPRESS
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EP/PR	08/17/26

26-102677

SCALE: NTS UNLESS NOTED

88

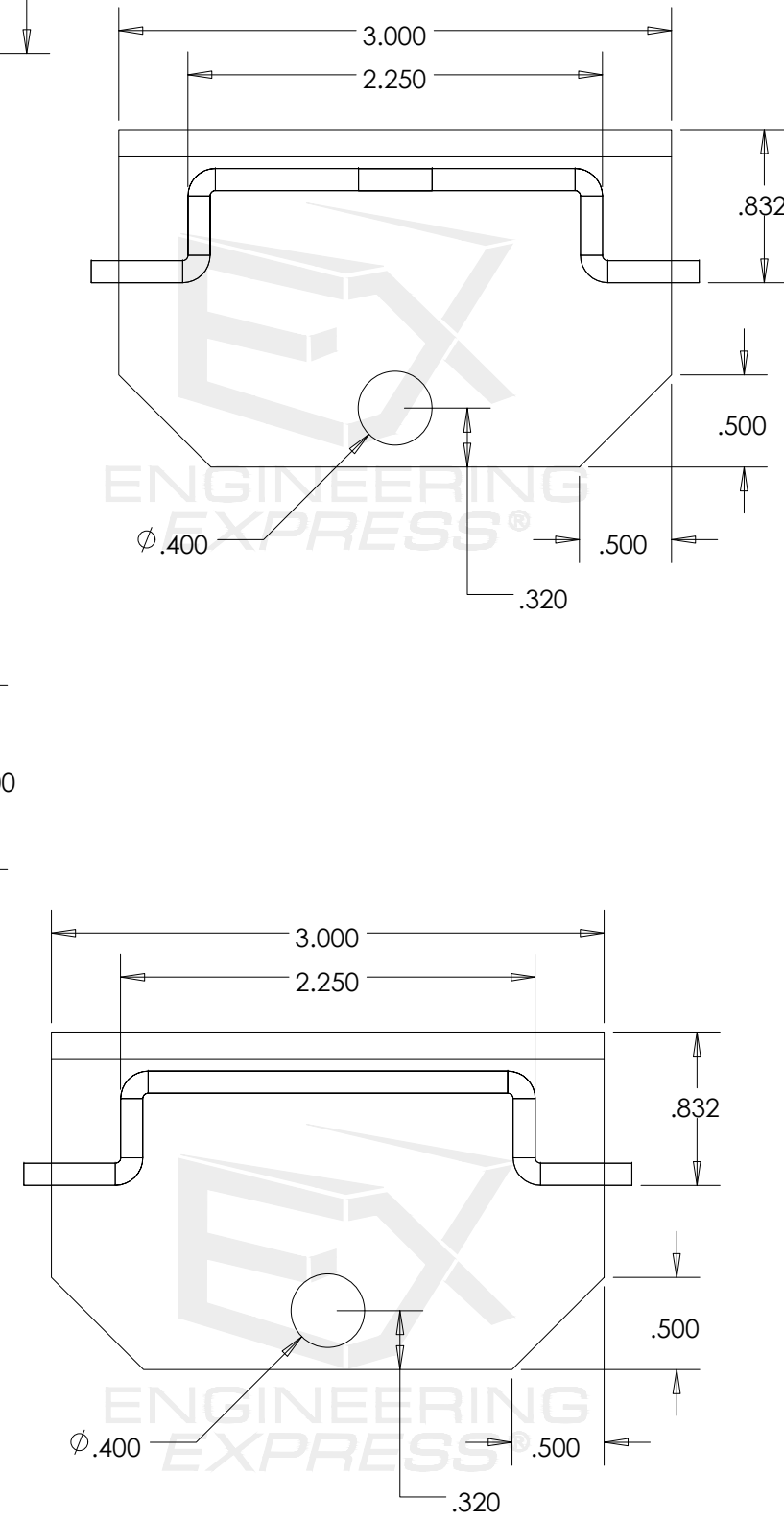
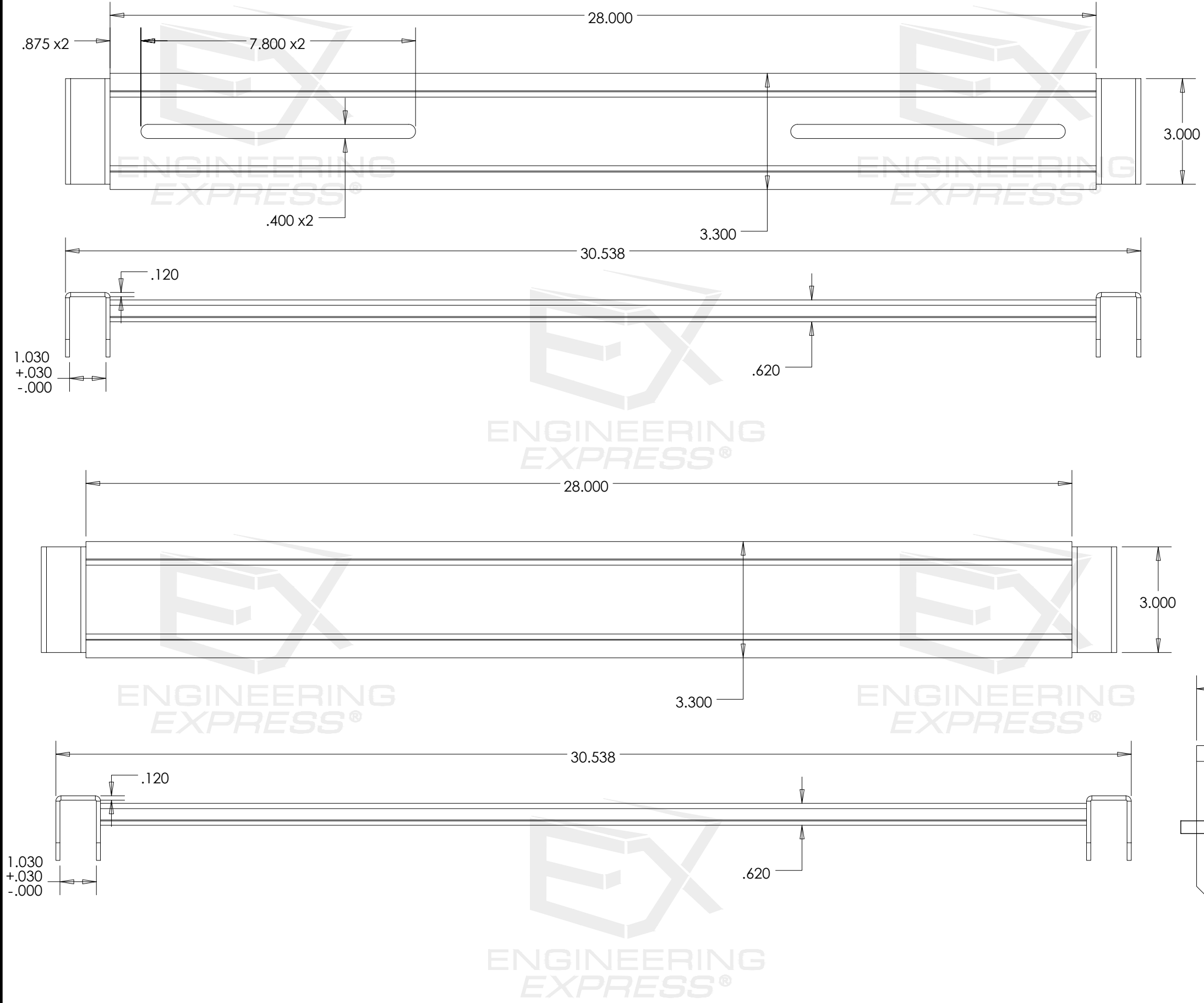
OF 14

QSMS 1802 (CONTINUED)

COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

FL

COLBY BENNARDO
LICENSE
No 95197
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SIGNED: 08/18/2026



FL 43954.1

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26

26-102677

SCALE: NTS UNLESS NOTED

9 OF 14

8/17/2026 12:45 PM ERICREITPE z:\shared\projects\26-102677 2026 product fbc update fl43954\work\2026 fbc\drawings & cad\26-102677c - fl43954.1 - dwg.dwg

SIGNED
08/18/2026

**EXENGINEERING
EXPRESS®**

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

[illegible]

SCALE: NTS UNLESS NOTED

10

Technical drawing of a square frame structure. The overall dimensions are 36.000 (width) and 23.938 (height). The frame features rounded corners with a radius of R3.500 x2. The frame is composed of two main sections: a top section and a bottom section, each with a thickness of 1.000. The bottom section is labeled "3/8\" THREADED INSERT X2". The drawing includes a large, stylized "EX" logo and the text "ENGINEERING EXPRESS®" in the background.

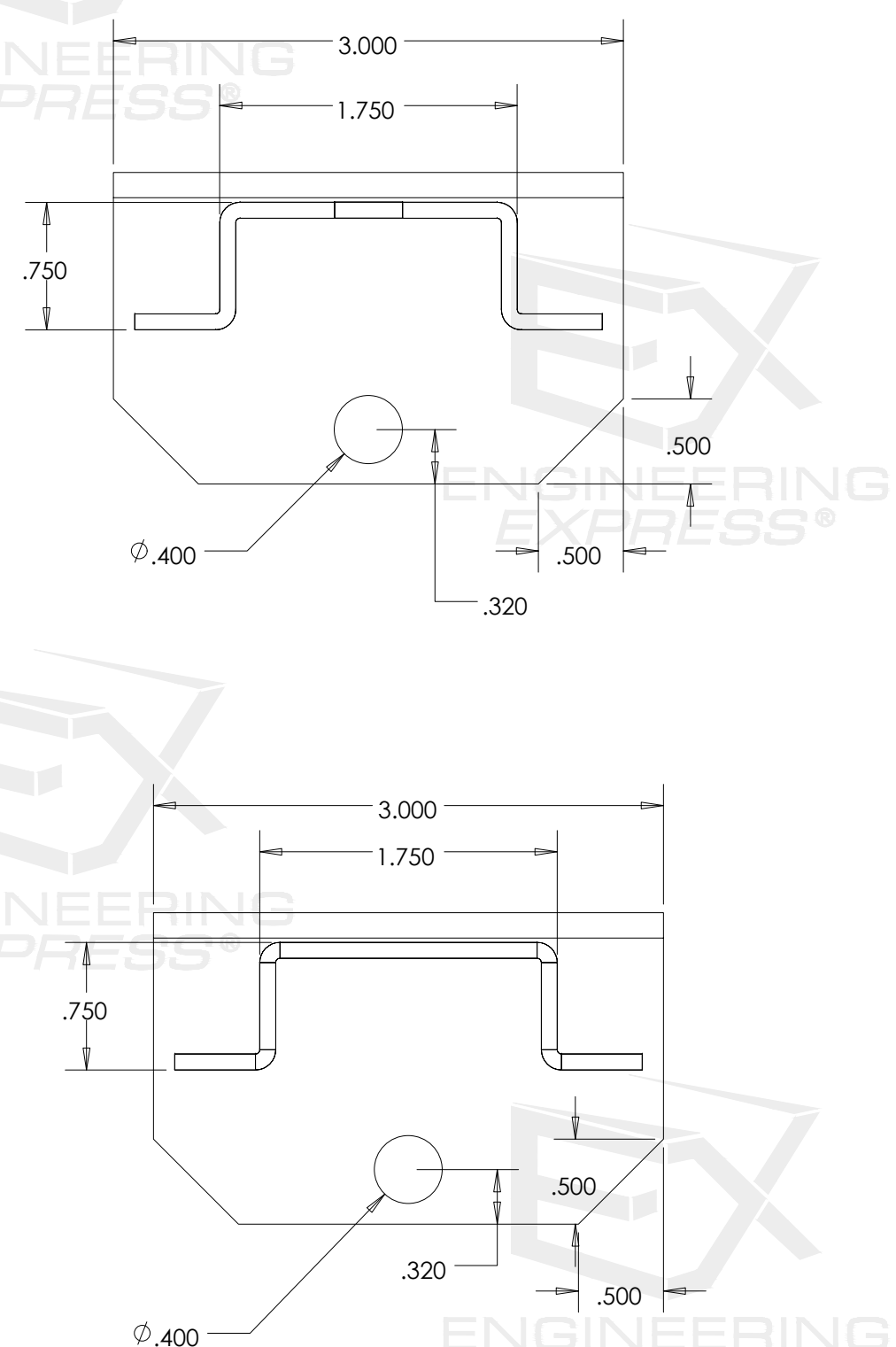
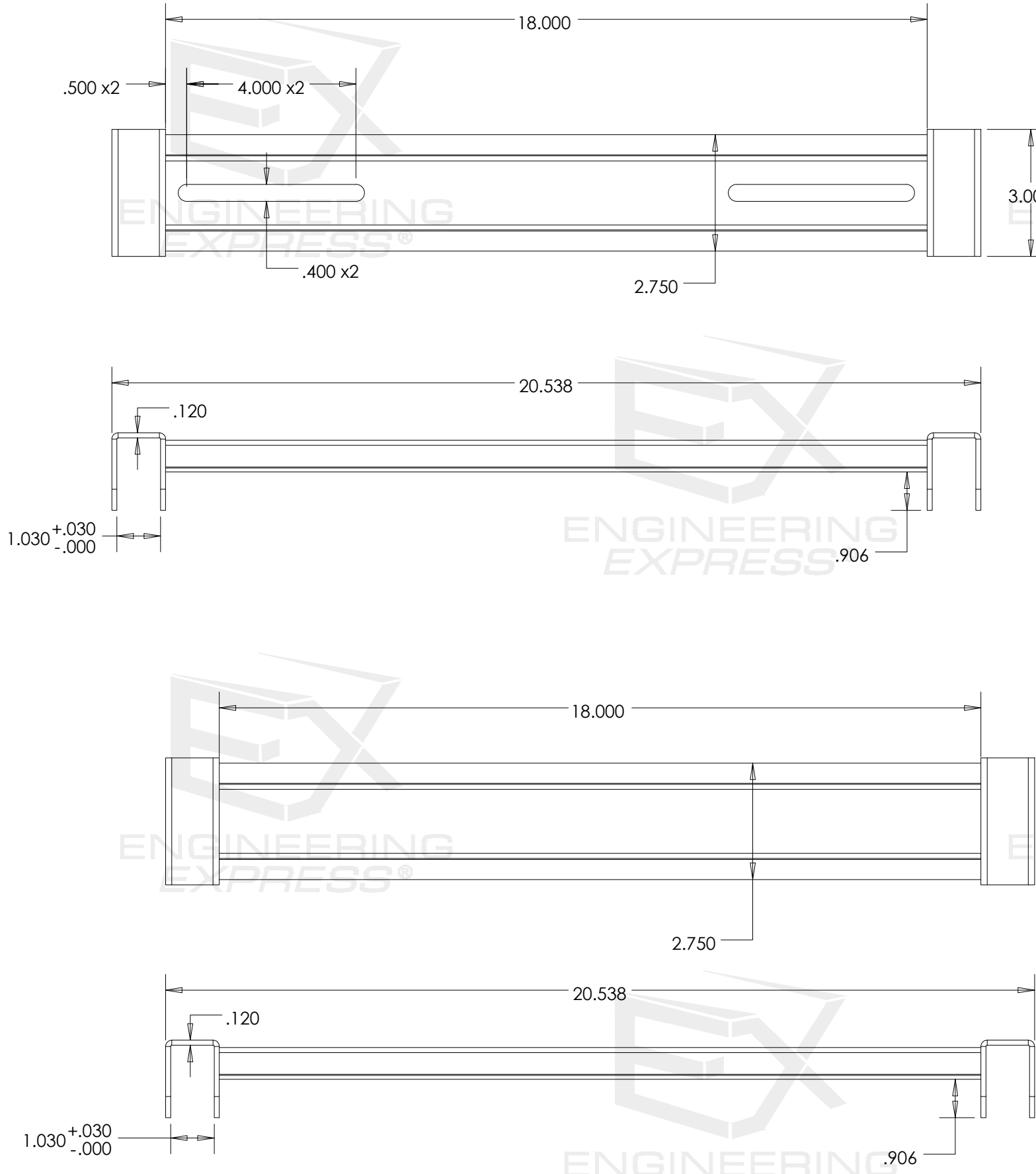
ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MS153-PAL	24" U-HOOP QSMS2401-AL	2
2	MS119-PAL	MINI SPLIT LONG SADDLE ARM	2
3	MS105-PAL	MINI SPLIT 6X6 FEET	4
4	HDKMS05SS	HARDWARE KIT FOR QSMS1802, 2402	1
5	QSR042	MINI SPLIT RUBBER FOOT	8
6	MS114-PAL	ALUMINUM STABILITY RAIL	4

QSMS 2401 (CONTINUED)

COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

FL

COLBY BENNARDO
LICENSE
No 95197
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SIGNED: 08/18/2026



FL 43954.1

ENGINEERING
EXPRESS®

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26

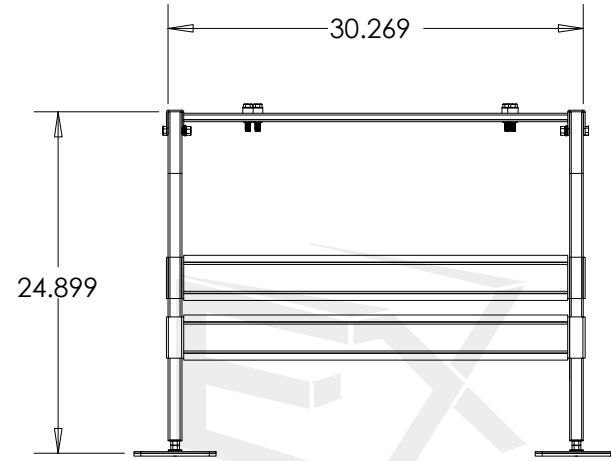
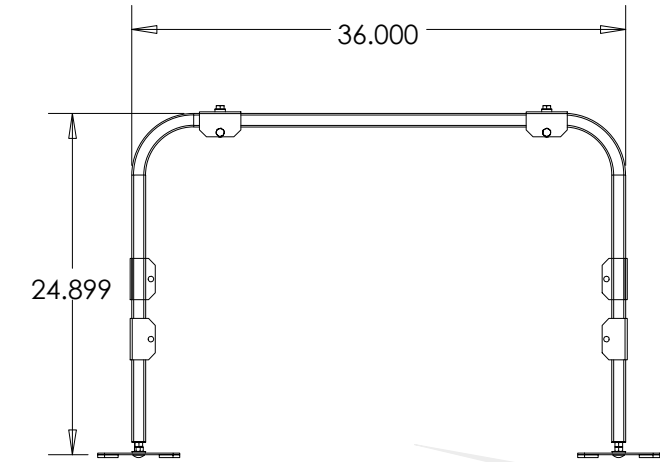
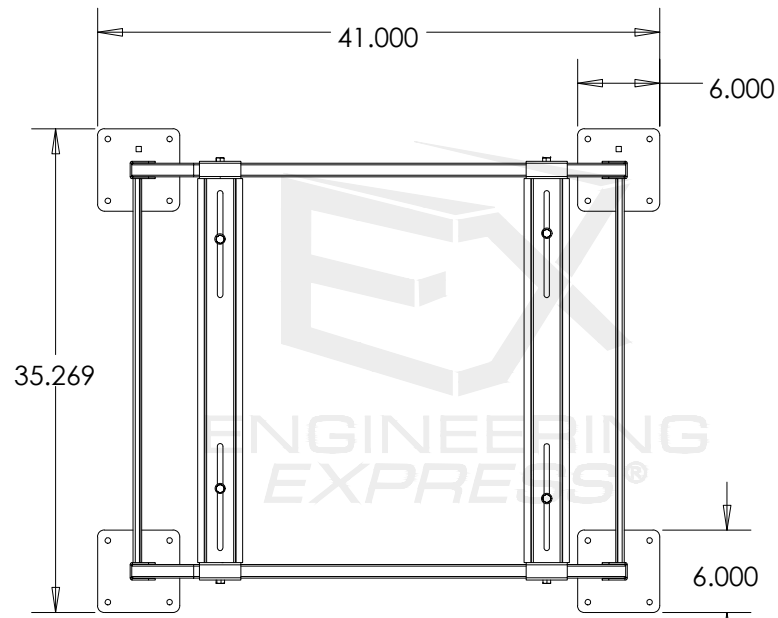
COPYRIGHT ENGINEERING EXPRESS®

26-102677

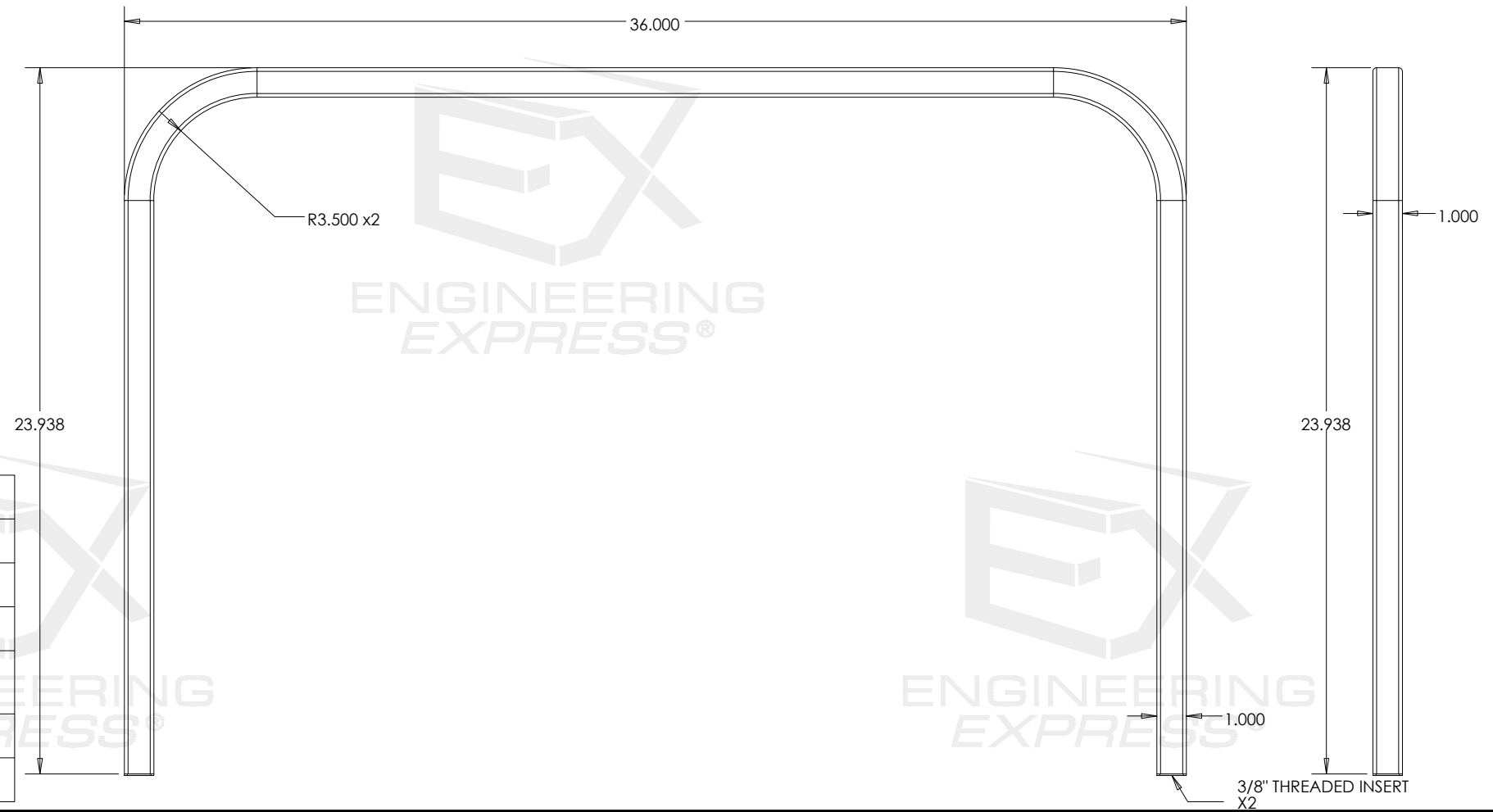
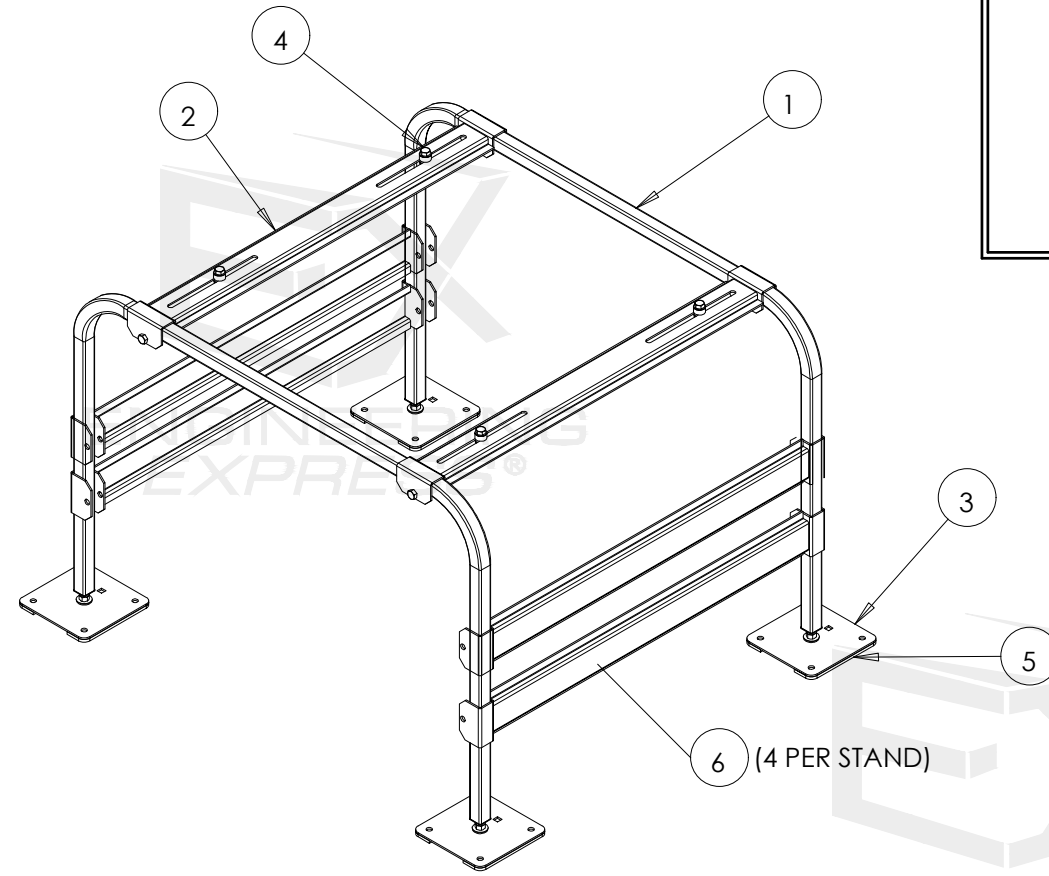
SCALE: NTS UNLESS NOTED

11 OF 14

8/17/2026 12:45 PM ERICREITPE z:\shared\projects\26-102677 2026 product fbc update fl43954\work\2026 fbc\drawings & cad\26-102677c - fl43954.1 - dwg.dwg



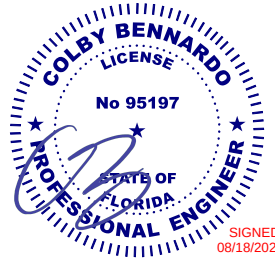
QSMS 2402



ITEM NO.	PART NUMBER	DESCRIPTION	QTY.
1	MS153-PAL	24" U-HOOP QSMS2401-AL	2
2	MS135-PAL	LONG MINI SPLIT ARM	2
3	MS105-PAL	MINI SPLIT 6X6 FEET	4
4	HDKMS05SS	HARDWARE KIT FOR QSMS1802, 2402	1
5	QSR042	MINI SPLIT RUBBER FOOT	8
6	MS115-PAL	ALUMINUM STABILITY RAIL	4

COLBY BENNARD, P.E.
PE# 95197 CA# 9885

FL



FL 43954.1

ENGINEERING EXPRESS
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600
QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

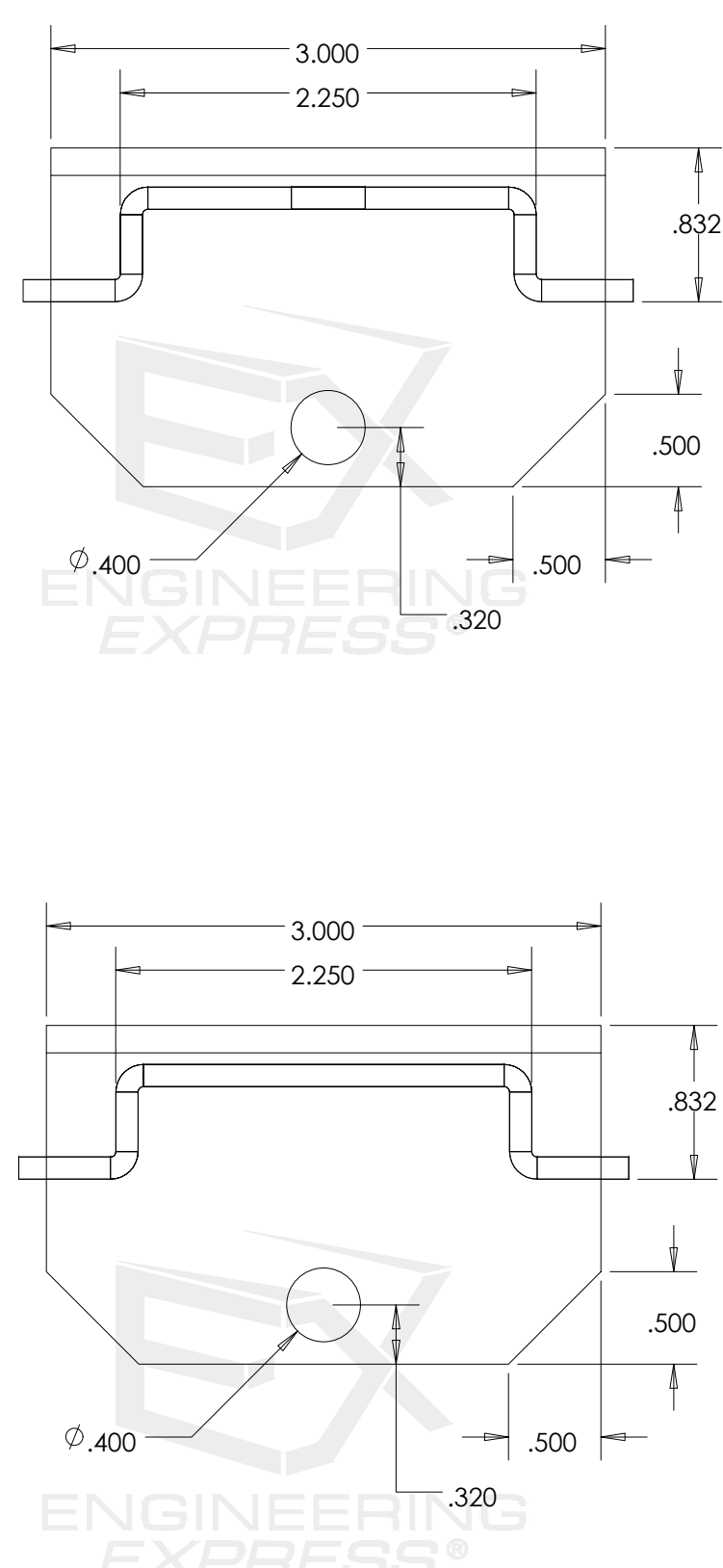
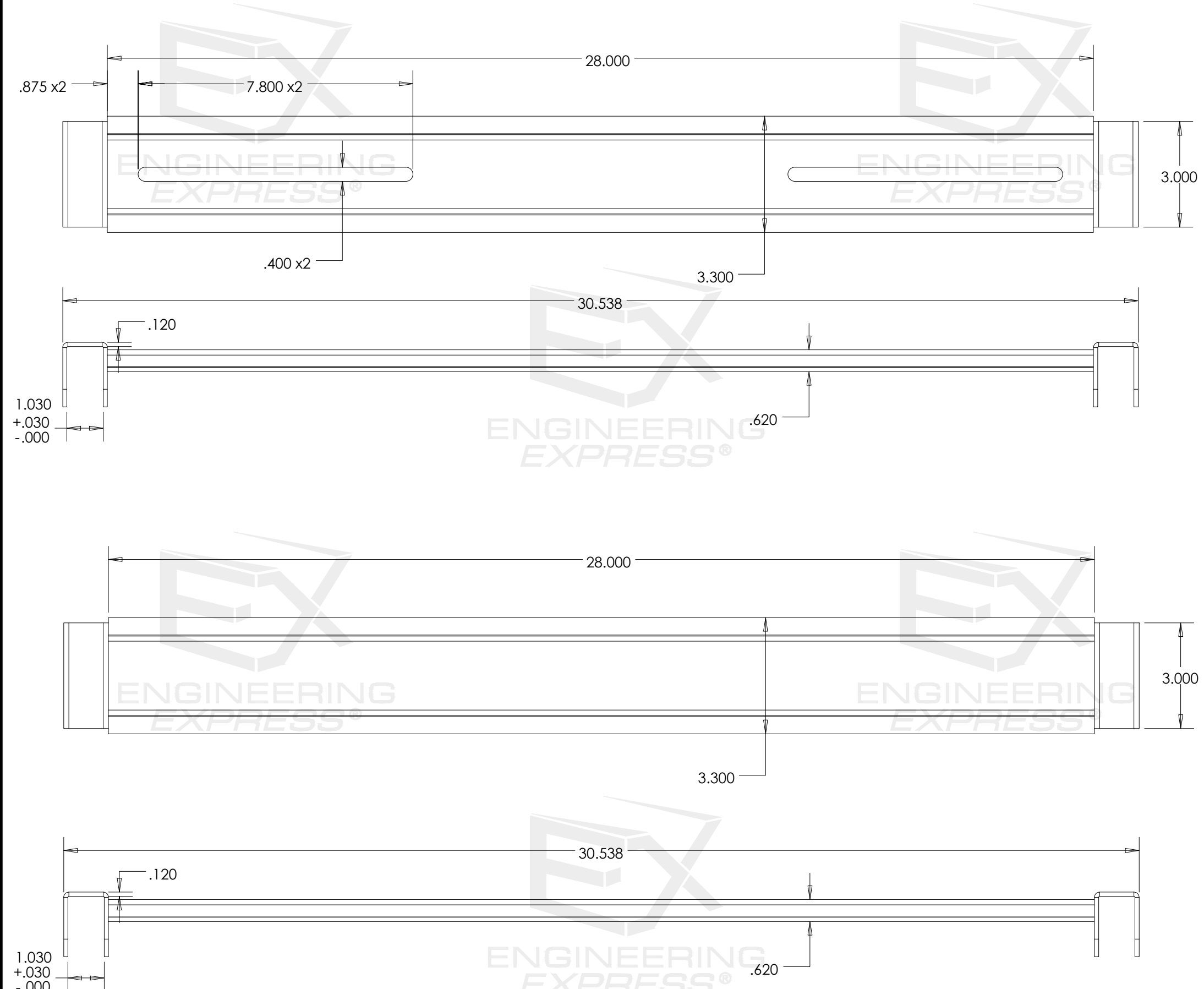
REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26

QSMS 2402 (CONTINUED)

COLBY BENNARDO, P.E.
PE# 95197 CA# 9885

FL

COLBY BENNARDO
LICENSE
No 95197
STATE OF FLORIDA
PROFESSIONAL ENGINEER
SIGNED: 08/18/2026



FL 43954.1

POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

REMARKS	DRWN	CHKD	DATE
INIT ISSUE (23-65525)	RN	RN	10-10-23
2026 FBC UPDATE	ND/ER	EPR	08/17/26

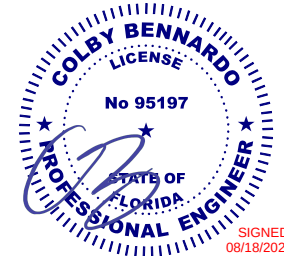
COPYRIGHT ENGINEERING EXPRESS®

26-102677

SCALE: NTS UNLESS NOTED

13 OF 14

8/17/2026 12:45 PM ERICREITPE z:\shared\projects\26-102677 2026 product fbc update fl43954\work\2026 fbc\drawings & cad\26-102677c - fl43954.1 - dwg.dwg



Technical drawing of a BASEPLATE TIEDOWN, showing a top view and a side view.

Top View Dimensions:

- Overall width: 6.000
- Overall height: 6.000
- Distance from left edge to center of top-left anchor: 3.000
- Distance from right edge to center of top-right anchor: 3.000
- Distance from bottom edge to center of bottom-left anchor: 3.000
- Distance from right edge to center of bottom-right anchor: 3.000
- Radius of corner chamfers: R.500 x4
- Distance from center of top-right anchor to right edge: .750
- Distance from center of bottom-right anchor to right edge: .750
- Distance from center of top-right anchor to center of bottom-right anchor: 2.800
- Distance from center of bottom-left anchor to center of bottom-right anchor: 1.275
- Distance from center of top-left anchor to center of bottom-left anchor: 2.800
- Distance from center of top-left anchor to center of bottom-right anchor: 4.250
- Distance from center of top-right anchor to center of bottom-left anchor: 4.250
- Distance from center of top-right anchor to center of bottom-right anchor: 2.800
- Distance from center of bottom-left anchor to center of bottom-right anchor: 1.275
- Distance from center of top-left anchor to center of bottom-left anchor: 2.800
- Distance from center of top-left anchor to center of bottom-right anchor: 4.250
- Distance from center of top-right anchor to center of bottom-left anchor: 4.250
- Distance from center of top-right anchor to center of bottom-right anchor: 2.800
- Distance from center of bottom-left anchor to center of bottom-right anchor: 1.275

Side View Dimensions:

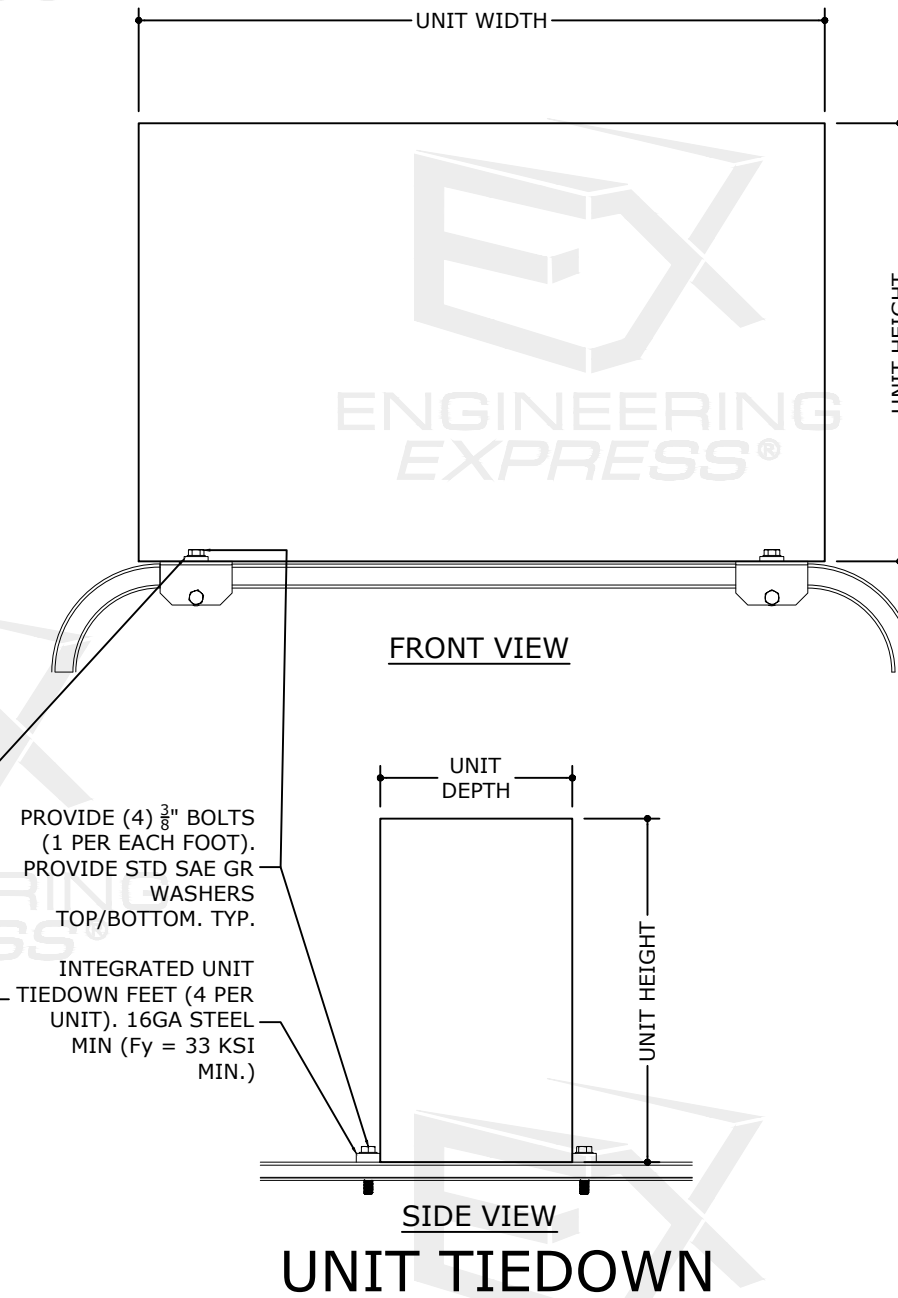
- Overall height: 6.000
- Distance from top edge to center of top anchor: .125
- Distance from bottom edge to center of bottom anchor: .125
- Distance from center of top anchor to center of bottom anchor: 5.750

Callouts and Notes:

- R.500 x4
- PROVIDE (4) ANCHORS PER ANCHOR SCHED
- BASEPLATE TIEDOWN
- $\phi .400 \times 4$
- .400 x2
- .400 x2
- .750
- .750
- 2.800
- 1.275
- 6.000
- 6.000
- .125
- .125

ANCHOR TYPE	SUBSTRATE	DESCRIPTION
A	3.0 KSI CONCRETE	3/8" DEWALT SCREW BOLT W/ 2.5" EMBED., 4" MIN. EDGE DIST.
B	3.0 KSI CONCRETE	3/8" HILTI KWIK-BOLT W/ 2.5" EMBED., 4" MIN. EDGE DIST.
C	MIN. 3/16" THICK STEEL (A36 MIN.)	3/8" SAE GR 5 OR 316 SS UNC SCREW, 1.25" MIN. EDGE DIST.
D	MIN. 3/16" THICK STEEL (A36 MIN.)	3/8" SAE GR 5 OR 316 SS BOLT W/ STD SAE WASHERS, 1.25" MIN. EDGE DIST.

1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURERS' RECOMMENDATIONS. PROVIDE STD SAE GR WASHERS, TYP.
2. FOR ANCHOR TYPE A: SCREW BOLT ANCHOR SHALL BE MECHANICALLY GALVANIZED (MG) VERSION, TYP.
3. FOR ANCHOR TYPE B: KWIK-BOLT ANCHOR SHALL BE KWIK-BOLT T22 SS304 OR 316, TYP.
4. ENSURE MINIMUM EDGE DISTANCE AS NOTED IN ANCHOR SCHEDULE FOR EACH ANCHOR.
5. ATTACHMENT TO WOOD HOST ROOF MEMBERS SHALL BE CERTIFIED ON A SITE SPECIFIC BASIS.
6. MINIMUM EMBEDMENT SHALL BE AS NOTED IN ANCHOR SCHEDULE. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDES ROOFING FINISHES.



ENGINEERING EXPRESS®
POSTAL ADDRESS:
2234 NORTH FEDERAL HWY #7664
BOCA RATON, FL 33431
ENGINEERINGEXPRESS.COM

DiversiTech Corp.
3039 Premiere Parkway, Suite 600

3039 Premiere Parkway, Suite 600
Duluth, GA 30097
(678) 542-3600

QSMS ALUMINUM MECHANICAL EQUIPMENT STANDARDS
FLORIDA BUILDING CODE NINTH EDITION (2026)
FLORIDA STATEWIDE APPROVAL

[illegible]

COPYRIGHT ENGINEERING EXPRESS®

26-102677

SCALE: NTS UNLESS NOTED

14