

- BRACE

COLUMN \$

TOP LADDER

SLOPE CONCRETE
AWAY FROM PIPE

—— 20'-O" ——

SPREAD FOOTING

3/8"Ø 7 x 19

PREFORMED

3/8"Ø CROSBY CLIP, G-450

CONNECTION)

SAFETY CABLE MOUNTING

OR EQUAL (3 REQUIRED PER

GALVANIZED STEEL

AIRCRAFT STRAND

SEE SHT S2 FOR

REINFORCING

TORSION

__TORSION

COLUMN PIPE -

GRADE —

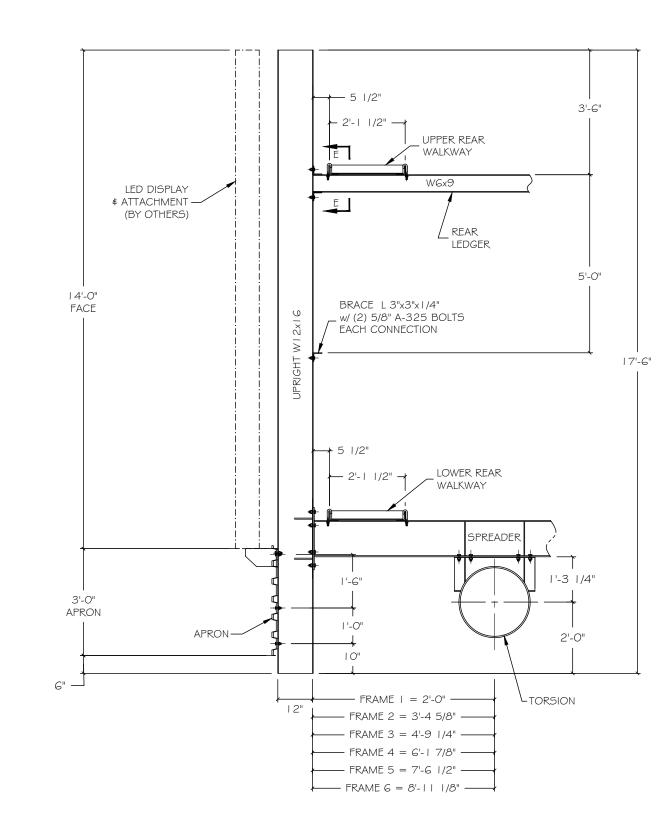
14'-0" FACE

APRON

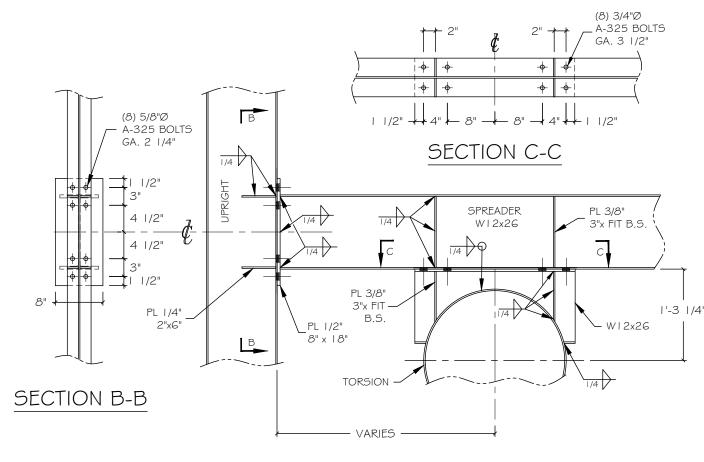
59'-0"

O.A.H.

45'-0" H.A.G.L. ∠UPRIGHT



TYPICAL SECTION THRU SIGN



3 SIDES 1/4 CLIP ANGLE _L 4"x3"x1/4" SLV x 4 3/4" w/ (2) 5/8"Ø A-325 BOLTS 1 1/8"

SECTION E-E

UPRIGHT —

REAR LEDGER -

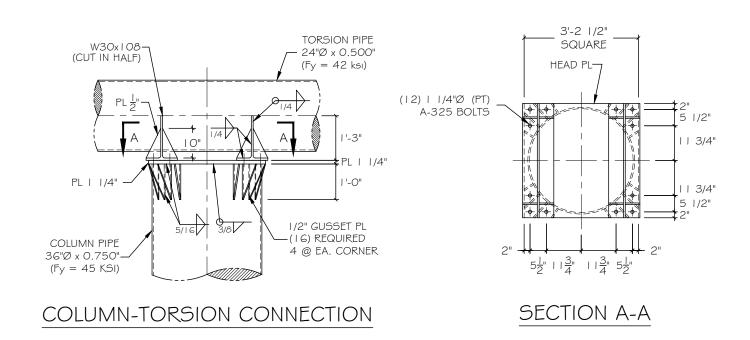
UPRIGHT-SPREADER-TORSION CONNECTION

CABLE - IN MEASURED POSITION (A FORCE OF 10 LBS.

DEFLECTION, TO TAKE THE SLACK OUT OF CABLE.)

SHALL BE APPLIED TO THE CABLE WHEN MEASURING THE

SAFETY CABLE TENSION



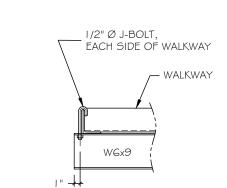
3/8" Ø GALVANIZED

WIRE ROPE THIMBLE

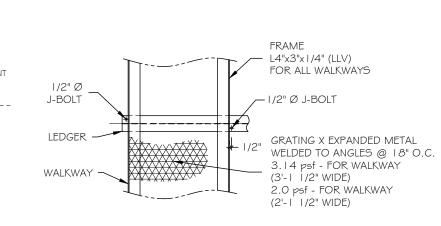
3/4" Ø DROP FORGED

EYEBOLT W/ LOCK WASHER

AND 2 HEAVY HEX NUTS



WALKWAY MOUNTING DETAIL



TYPICAL WALKWAY DETAIL



(APPLY UNLESS OTHERWISE NOTED ON PERMIT DRAWING)

CODE - 9th EDITION MA STATE BUILDING CODE (2015 IBC AS AMENDED)

WIND DESIGN - SIGN STRUCTURE WIND LOADS ARE DETERMINED IN ACCORDANCE WITH ASCE 7-10

SECTION 29.4.1. BASIC WIND SPEED: 132 MPH (3 SECOND GUST)

RISK CATEGORY: II EXPOSURE: C

DESIGN WIND PRESSURE: 42.1 PSF (AVG.), 59.0 PSF (MAXIMUM AT ENDS)

REFER TO ASCE 7-10 FIGURE 29.4-1.

ANY SIGN COMPONENTS NOT SPECIFICALLY DETAILED ON THESE DRAWINGS BUT ATTACHED TO THE STRUCTURE SHALL BE DESIGNED IN ACCORDANCE WITH THE INFORMATION ABOVE.

LIVE LOAD - MAINTENANCE PLATFORM 40 PSF OR 300 LBS CONCENTRATED LOAD.

DIGITAL DISPLAY: 9,600 POUNDS EACH SIDE

OTHER STRUCTURAL MEMBERS: AS NOTED IN CALCULATIONS

STEEL - WIDE FLANGES - ASTM A-992, OTHER SHAPES & PLATES - ASTM A-36.

APPROVAL IS OBTAINED FROM THE ENGINEER PRIOR TO CONSTRUCTION.

PIPE SECTIONS - ASTM A-53 B OR A 252 GR 2, OR API - LX WITH MINIMUM YIELD STRENGTH AS INDICATED ON DRAWINGS.

REINFORCING STEEL - REINFORCING STEEL SHALL BE DEFORMED BARS CONFORMING TO ASTM A615 GRADE 60. REINFORCING SHALL BE FABRICATED AND SECURED IN ACCORDANCE WITH ACI 318 AND CRSI MANUAL OF STANDARD PRACTICE. DO NOT WELD REINFORCING STEEL UNLESS

EXPANDED METAL GRATING - EXPANDED METAL GRATING SHALL BE MANUFACTURED FROM CARBON STEEL IN CONFORMANCE WITH THE EXPANDED METAL MANUFACTURERS ASSOCIATION (EMMA) STANDARD NO. 557-99, 'STANDARDS FOR EXPANDED METAL.' EMMA IS A DIVISION OF THE NATIONAL ASSOCIATION OF ARCHITECTURAL METAL MANUFACTURERS

ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED ACCORDING TO LATEST AISC SPECIFICATIONS AND STANDARD PRACTICE.

PAINTING - ALL STRUCTURAL STEEL, EXPOSED TO WEATHER, SHALL BE SHOP PRIMED AND PAINTED IN ACCORDANCE WITH AISC 335 (SPECIFICATION) AND AISC 303 (STANDARD PRACTICE).

CONCRETE - CONCRETE SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI AT 28 DAYS AND BE PLACED IN ACCORDANCE WITH ACI 318.

WELDING - ALL WELDING MATERIALS AND COMPONENTS SHALL BE IN COMPLIANCE WITH AWS D1.1.

BOLTS - ALL REGULAR SHALL CONFORM TO ASTM A-307. HIGH STRENGTH BOLTS SHALL CONFORM TO ASTM A-325. ALL BOLTS SHALL BE INSTALLED TO A SNUG TIGHT CONDITION UNLESS NOTED TO BE PRE-TENSIONED (PT). PT BOLTS SHALL BE FULLY TENSIONED PER AISC TURN OF THE NUT METHOD (1/3 OF A TURN PAST A SNUG TIGHT CONDITION) OR OTHER AISC APPROVED TENSIONING METHOD.

SPREAD COLUMN FOOTING - FOUNDATION DESIGN BASED ON SOIL BORING PERFORMED BY CARR-DEE CORP. (JOB NO. 2018-187, DATED OCTOBER 05,2018) (SOIL CLASS 4- TYPE: SANDY, SILTY SAND, SILTY GRAVEL). ALLOWABLE BEARING PRESSURE PER IBC TABLE 1806.2 OF 2000 PSF VERIFY SOIL TYPE DURING EXCAVATION. NOTIFY ENGINEER OF ANY DISCREPANCY.

SPECIAL INSPECTIONS - SPECIAL INSPECTIONS ARE REQUIRED PER CHAPTER 17 FOR THE FOLLOWING ITEMS:

- HIGH STRENGTH BOLTS: PERIODIC INSPECTION TO REVIEW BOLT TYPE AND

TENSION - FOUNDATION: PERIODIC INSPECTION TO VERIFY HOLE DIMENSIONS

- FIELD WELDING: INSPECTION OF ALL FIELD WELDS PER AISC AND AWS D1.1

STEEL FABRICATOR - ALL STRUCTURAL STEEL SHALL BE SHOP FABRICATED BY THE FOLLOWING APPROVED FABRICATOR:

PAGE STEEL

2040 INDUSTRIAL DRIVE

PAGE, ARIZONA 86040

THE ERECTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD BEFORE ERECTION AND NOTIFY ENGINEER OF ANY DISCREPANCIES. ERECTORS SHALL NOTIFY ENGINEER IF STRUCTURE IS LOCATED NEAR ANY BUILDINGS.

THIS PRINT IS THE PROPERTY OF RMG outdoor, inc. PROFESSIONAL SEAL VALID ONLY WHEN FABRICATED BY THE ABOVE. IT IS PROVIDED FOR PERMIT PURPOSES ANY OTHER USE OR REPRODUCTION IS PROHIBITED WITHOUT WRITTEN AUTHORIZATION FROM RMG outdoor, inc.

CUSTOMER

WM REALTY LLC

Signed: 01/11/2022 14' x 48' SINGLE POST

SIGN LOCATION ROCKLAND, MA

EESL. NO. 4425 North 24th Street, Suite 200 JOB NO. Phoenix, Arizona 85016 Phn: (602) 230-8634 Fax: (602) 230-9071

LED READY ENG. NO. G-11642 01/11/22 SHEET NO. S1 of 2

JOHN

SKWIOT

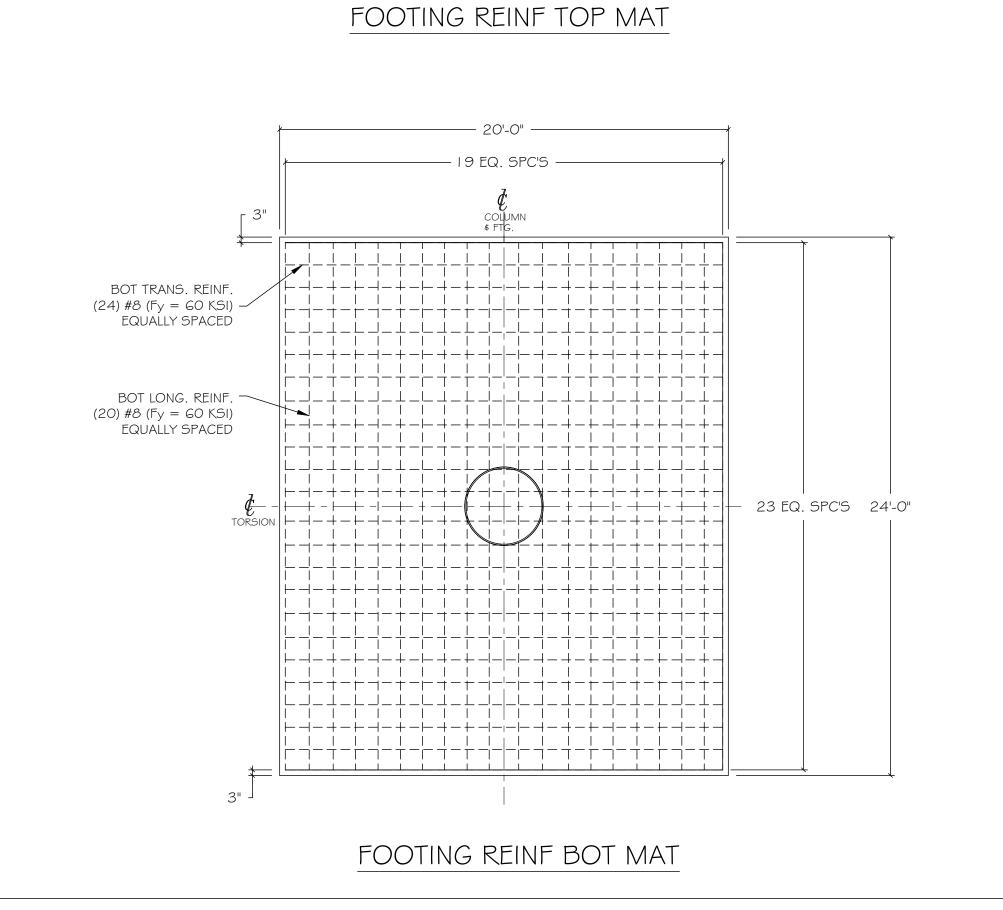
CIVIL

No. 54143

CENTER MOUNT

DOUBLE FACE

20° V-BUILD



- 20'-0" —

· 19 EQ. SPC'S ---

TORSION | - + - - - - - - + - |

/|++-+-|-+-|-+-|

TOP LONG. REINF.

(20) #7 (Fy = 60 KSI) -EQUALLY SPACED

TOP TRANS REINF.

EQUALLY SPACED

(24) #7 (Fy = 60 KSI) -

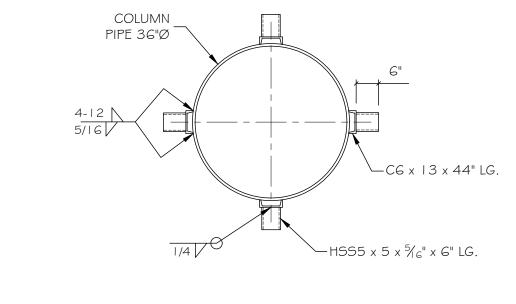
(1)ADDL #7/#8 CONTINOUS

 $(Fy = 60 \text{ KSI}) \leftarrow$ EACH SIDE OF COLUMN

COLUMN IN FOOTING DETAIL

 \perp HSS5 x 5 x 5/16 x 6" LG.

COLUMN STUDS (4 REQ'D @ 90°)



SECTION F-F

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4425 North 24th Street, Suite 200

Phoenix, Arizona 85016 Phn: (602) 230-8634 Fax: (602) 230-9071

CEN DC	NTER DUBL D° V-	48' FPOST MOUNT E FACE BUILD EADY	
).		DR.	(

SKWIOT

CIVIL

No. 54143

Signed: 01/11/2022

G. NO.	DR.	CH.
G-11642	FS	JS
SL. NO.	DATE	
	01/1	1/22
B NO.	SHEET NO.	
	52	of 2

GRADE—3" (MIN.)	SLOPE CONCRET AWAY FROM PIPE
F	F
5'-O"	
3" (MIN.) CONCRETE	C6 x 3 x 44" LG. \$ HS95 x 5 x 5/ 6 x 6" LG.

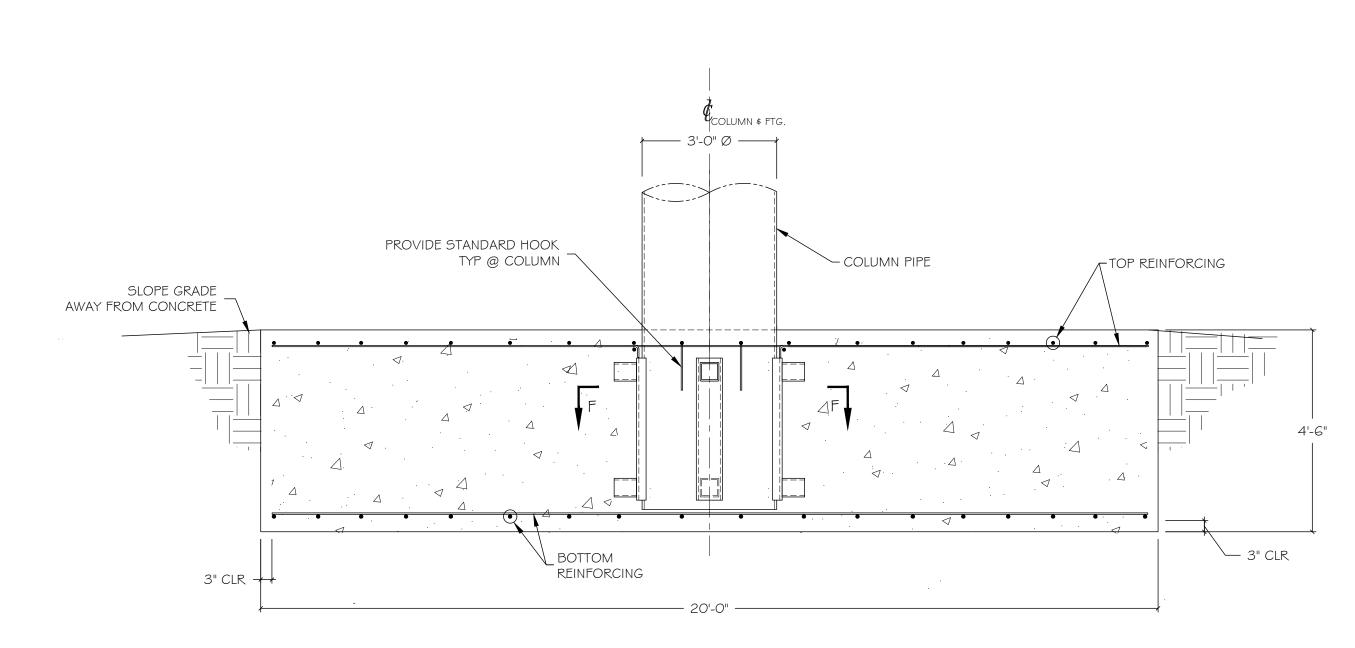
FOUNDATION

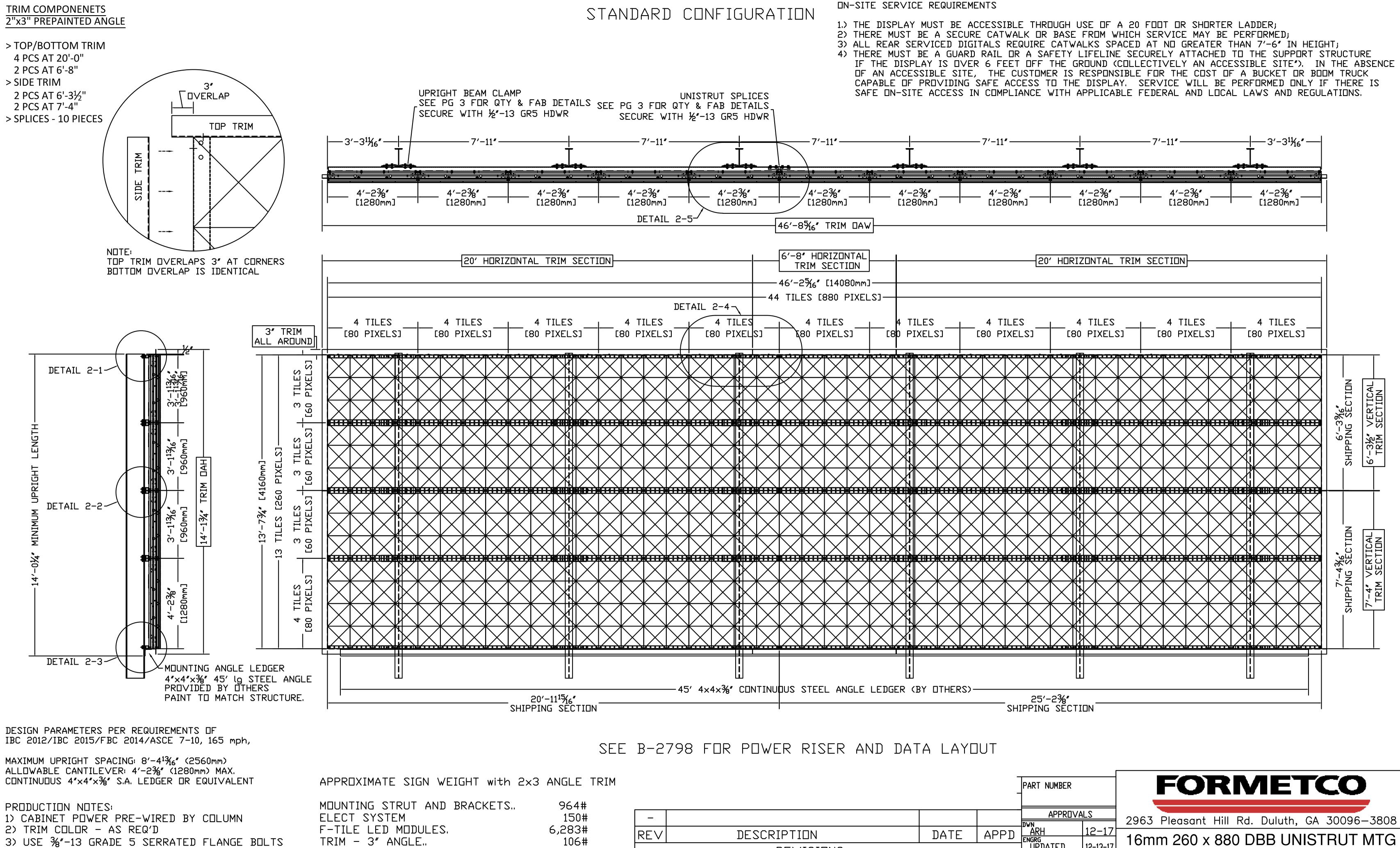
SPREAD FOOTING ELEVATION

REBAR

(TOP)

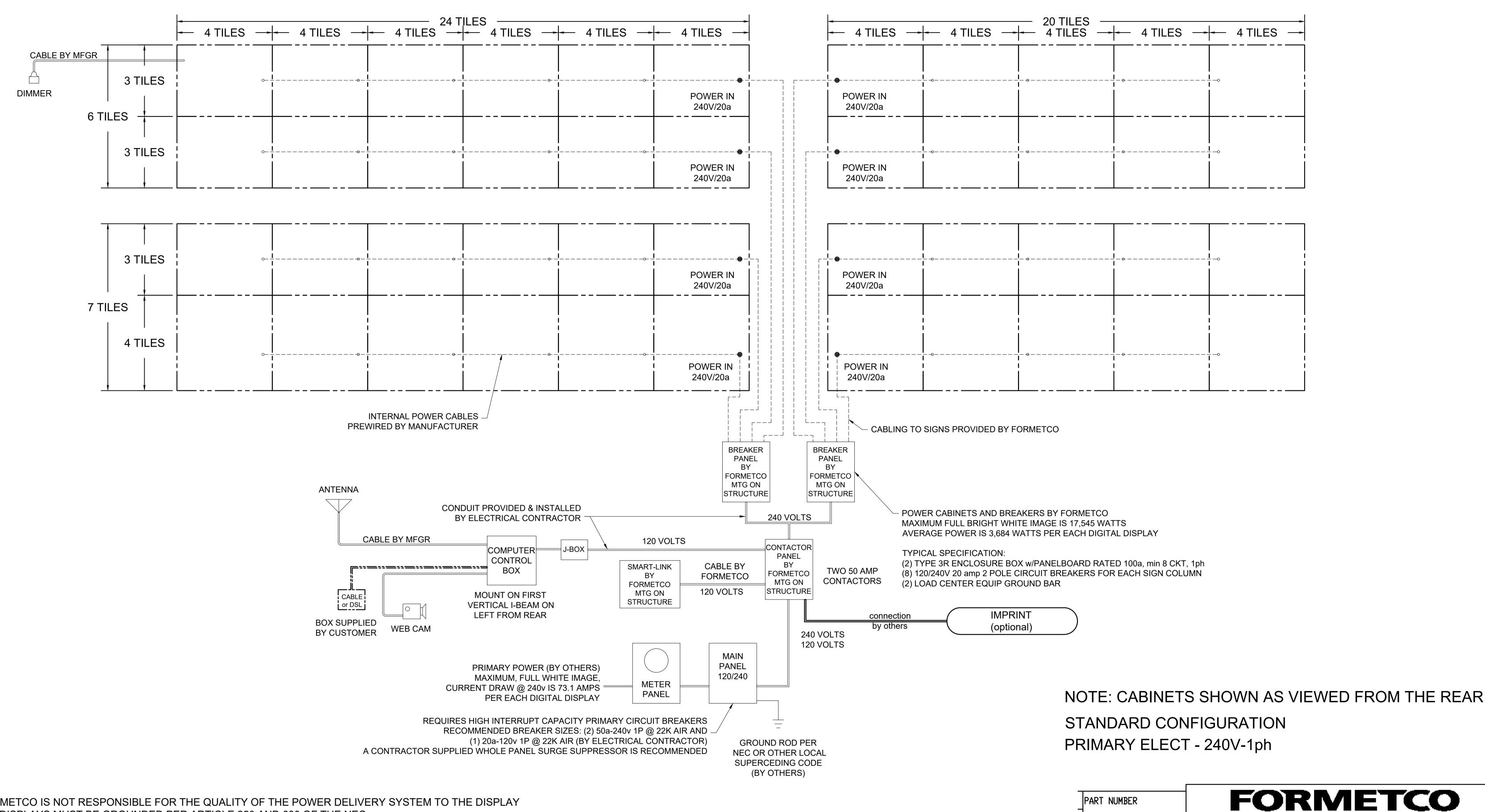
REBAR (BOTTOM)





UPDATED REVISIONS AND NUTS UNLESS OTHERWISE NOTED CABLING 132# 13'-8"x46'-2" 16mm FTX-A DBB 4) ALL FABRICATED ALUMINUM AND STEEL PARTS THIS MATERIAL IS THE EXCLUSIVE CONFIDENTIAL PROPERTY OF FORMETCO, INC. TO BE PAINTED SATIN BLACK. ALL RIGHTS, INCLUDING COPYRIGHT AND PATENT RIGHTS, ARE RESERVED BY FORMETCO, INC. DO NOT SCALE TOTAL.. 7,635# |SH] THIS DRAWING. DO NOT COPY THIS DRAWING WITHOUT PERMISSION OF FORMETCO, INC.

POWER CABINET AND BREAKER REQUIREMENTS AND AMPERAGE AND WATTAGE RATINGS SHOWN ARE PER DIGITAL DISPLAY UNLESS OTHERWISE INDICATED.



- FORMETCO IS NOT RESPONSIBLE FOR THE QUALITY OF THE POWER DELIVERY SYSTEM TO THE DISPLAY
- ALL DISPLAYS MUST BE GROUNDED PER ARTICLE 250 AND 600 OF THE NEC
- ALL ELECTRICAL WORK DONE MUST MEET OR EXCEED ANY LOCAL AND NATIONAL ELECTRICAL CODES
- THE OVER CURRENT PROTECTION DEVICE MUST BE MATCHED TO THE FAULT CURRENT THAT IS AVAILABLE IN THE POWER DELIVERY CIRCUIT
- DUE TO THE INRUSH CURRENT CREATED BY THE DISPLAY ON STARTUP THE OVER CURRENT PROTECTION DEVICE(S) MAY HAVE TO BE OVERSIZED
- ALL PRIMARY FEEDER CIRCUITS TO THE DISPLAY MUST BE UL 489 LISTED
- ALL SPECIFICATIONS ARE SUBJECT TO CHANGE DUE TO FORMETCO'S CONTINUING PRODUCT IMPROVEMENT

APPROVALS CORRECTED MISSING CABINET VIEW NOTE 3-6-18 RFW 2963 Pleasant Hill Rd. Duluth, GA 30096-3808 12-17 REV APPD DESCRIPTION DATE 6-28-18 UPDATED REVISIONS CUSTOMER ELECTRICAL POWER RISER THIS MATERIAL IS THE EXCLUSIVE CONFIDENTIAL PROPERTY OF FORMETCO, INC. ALL RIGHTS, INCLUDING COPYRIGHT AND PATENT RIGHTS, ARE RESERVED BY FORMETCO, INC. DO NOT SCALE THIS DRAWING. DO NOT COPY THIS DRAWING WITHOUT PERMISSION OF FORMETCO, INC.

FTX-A 16mm 260 x 880 - 1Ø

SH 2