Book Draw Revie

COMMERCE BANK SINGLE POLE CANOPY ATM PROTOTYPE ISLAND

(TOP OF ISLAND TO BE SET 3" ABOVE GRADE AT BOXED OUT HOLE)

PROJECT GENERAL NOTES

- 1. COMMERCE BANK IS RESPONSIBLE FOR OBTAINING ALL NECESSARY BUILDING PERMITS, APPROVALS AND INSPECTIONS FOR NEW CONSTRUCTION, ELECTRICAL CONTRACTOR MAY NEED TO PULL SEPARATE ELECTRICAL PERMITS . ALL WORK SHALL BE PERFORMED ACCORDING TO CODES AND REGULATIONS WHICH GOVERN THIS SITE PER FEDERAL, STATE AND LOCAL AUTHORITIES.
- CONTRACTOR SHALL COORDINATE PROJECT SCHEDULE WITH OWNER.
- 3. COMMERCE BANK CONTRACTOR SHALL VERIFY THE OWNER HAS REVIEWED AND APPROVED ALL NEW ITEMS TO BE INSTALLED PRIOR TO ORDER OR FABRICATION.
- 4. COMMERCE BANK CONTRACTOR SHALL SUPPLY THE OWNER WITH AS BUILT DRAWINGS FOR ALL WORK PERFORMED. DRAWINGS TO BE MARKED UP PRINTS. GENERAL CONTRACTOR SHALL SUBMIT TO THE LANDLORD, ALL INFORMATION PERTAINING TO GUARANTEES AND WARRANTIES ISSUED FOR ITEMS INSTALLED.
- ALL DESIGN BUILD WORK TO BE INCLUDED IN THE COMMERCE BANK CONTRACTOR'S SCOPE OF WORK.
- 6. REMOVE SITE DEBRIS, RUBBISH, AND OTHER MATERIALS RESULTING FROM DEMOLITION AND CONSTRUCTION. TRANSPORT AND LEGALLY DISPOSE OFF SITE.
- 7. COMMERCE BANK CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING EXISTING DIMENSIONS AND CONDITIONS. REPORT ANY DISCREPANCIES TO THE ARCHITECT PRIOR TO PROCEEDING WITH CONSTRUCTION IN WRITING.
- 8. THE OWNER AND ENGINEER SHALL NOT ASSUME ANY RESPONSIBILITY FOR THE PROPER DESIGN AND INSTALLATION OF ELECTRICAL & COMMUNICATIONS SYSTEMS. THESE ITEMS SHALL REMAIN THE FULL RESPONSIBILITY OF THE COMMERCE BANK CONTRACTOR AND HIS DESIGN BUILD CONTRACTORS.
- 9. ALL SIGNAGE SHALL BE COORDINATED WITH THE OWNER.
- GENERAL CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE OCCURRING TO THE PROPERTY BEFORE, DURING OR AFTER CONSTRUCTION WHICH WAS CAUSED BY THE GENERAL CONTRACTOR, HIS EMPLOYEES OR SUBCONTRACTORS.
- 11. ANY TEMPORARY UTILITIES REQUIRED FOR THE WORK SHALL BE THE RESPONSIBILITY OF THE COMMERCE BANK CONTRACTOR.
- 12. COMMERCE BANK CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR BUILDING COMPONENTS FOR REVIEW BY ENGINEER, SUBMIT TO COMMERCE BANK REPRESENTATIVE FOR DISTRIBUTION.
- 13. WORKMANSHIP SHALL BE THE BEST OF ITS RESPECTIVE KINDS FOR EACH OF THE VARIOUS TRADES EMPLOYED. WORKMANSHIP AND MATERIALS THAT ARE DEFECTIVE OR FAILS TO CONFORM TO THE REQUIREMENTS OF THE DRAWINGS, SPECIFICATIONS OR RELATED DOCUMENTS SHALL BE REMOVED AND REPLACED WITH PROPER MATERIALS AND WORKMANSHIP.
- 14. ALL MATERIAL COLOR SELECTIONS SHALL BE BY OWNER AND COORDINATED BY THE COMMERCE BANK CONTRACTOR.
- 15. ALL PAINTED SURFACES SHALL RECEIVE 1 COAT PRIMER AND 2 COATS FINISH PAINT. PREPARE SURFACE AND APPLY PAINT IN STRICT ACCORDANCE WITH MANUFACTURER'S BY COMMERCE BANK CONTRACTOR INSTRUCTIONS.
- 16. SUPPLIER INFORMATION: CAMERA AND ALARM CABLE AVAILABLE AT 913-541-2100 CANOPY SUPPORT SUPPLIED BY ACME SIGN 1-800-241-8980 CAT 5E+ CABLE P/N 57561 MANUFACTURER MOHAWK CABLE AVAILABLE FROM GRAY BAR ELECTRIC.

SITE WORK NOTES:

- 1. REFER TO C-SHEETS FOR SITE SCOPE OF WORK.
- 2. THE CONTRACTOR SHALL BE REQUIRED TO MEET THE COMMERCE BANK REP ON SITE TO DISCUSS THE PLACEMENT OF THE ATM ISLAND IN RELATIONSHIP TO THE EXISTING GRADES. THE CONTRACTOR WILL BE REQUIRED TO HAVE THE COMMERCE BANK REP INSPECT THE FORMS FOR THE NEW ISLAND PRIOR TO THE PLACEMENT OF ANY CONCRETE. IT IS THE INTENT OF THE ENGINEER TO MATCH THE EXISTING GRADING PATTERN WITH THE NEW ATM LAYOUT.
- 3. MEETING TO HAPPEN PRIOR TO THE DAY THAT CONCRETE IS DELIVERED.

EQUIPMENT NOTES:

1. OWNER SHALL PROVIDE ATM MACHINE. COMMERCE BANK CONTRACTOR SHALL COORDINATE POWER AND COMMUNICATIONS REQUIREMENTS WITH OWNER AND ATM MANUFACTURER.

ELECTRICAL GENERAL NOTES:

- ELECTRICAL (AND COMMUNICATIONS) WORK IS DESIGN-BUILD BY APPROPRIATE CONTRACTOR.
 THESE DESIGN BUILD CONTRACTORS SHALL BE RESPONSIBLE FOR OBTAINING THEIR
 INDIVIDUAL PERMITS NECESSARY FOR CONSTRUCTION.
- 2. THE SPECIFIC SIZING AND ENGINEERING OF ALL ELECTRICAL COMPONENTS, TO ENSURE ACCEPTABLE OPERATION OF THE INDIVIDUAL SYSTEMS AND CONFORMANCE WITH APPLICABLE CODES AND REGULATIONS, ARE THE RESPONSIBILITY OF THE COMMERCE BANK CONTRACTOR AND HIS SUBCONTRACTORS.
- 3. ALL ELECTRICAL WORK SHALL COMPLY WITH ALL APPLICABLE CODES.
- VERIFY ALL ELECTRICAL REQUIREMENTS WITH COMMERCE BANK, ATM MANUFACTURER, AND SIGNAGE CONTRACTOR (FOR CANOPY AND/OR SURROUND) BY COMMERCE BANK CONTRACTOR
- 5. ALL CIRCUITS ARE SINGLE PHASE 115 VOLT.
- 6. ALL NEW ELECTRICAL WORK SHALL CONFORM TO THE NATIONAL ELECTRICAL CODE 2017 EDITION.

NOTE:

REASONABLE EFFORT HAS BEEN MADE TO ACCURATELY DEPICT EXISTING CONDITIONS BASED ON EXISTING DRAWINGS HOWEVER, ALL CONDITIONS MUST BE VERIFIED IN THE FIELD PRIOR TO ANY DESIGN AND CONSTRUCTION. ANY CONFLICT BETWEEN THESE PLANS AND THE ACTUAL FIELD CONDITIONS SHALL BE REPORTED IMMEDIATELY TO THE OWNER FOR VERIFICATION AND/OR CORRECTION.

SHEET INDEX

A-0	GENERAL NOTES
A-1	ATM FLOOR PLAN
A-1a	ATM TEMPLATE PLAN
A-2	ATM DETAILS
A-3	ATM DETAILS
A-4	CANOPY ROOF PLAN
BOLLARD	SPECIAL BOLLARD DETAIL
S-0	SPECIAL BOLLARD DETAIL STRUCTURAL GENERAL NOTES
S-0	STRUCTURAL GENERAL NOTES
S-0 S-1	STRUCTURAL GENERAL NOTES FOUNDATION PLAN

E-3 MILLBANK UTILITY PEDESTAL DETAIL

COMMERCE BANK CONTACT INFO:

KEITH BOPP PROJECT MANAGER 8000 FORSYTH BLVD SUITE 1300 ST LOUIS MO 63105 314-746-3368 (OFFICE)



roject No: 021066
ook No:
rawn by:
eviewed:
8/

0

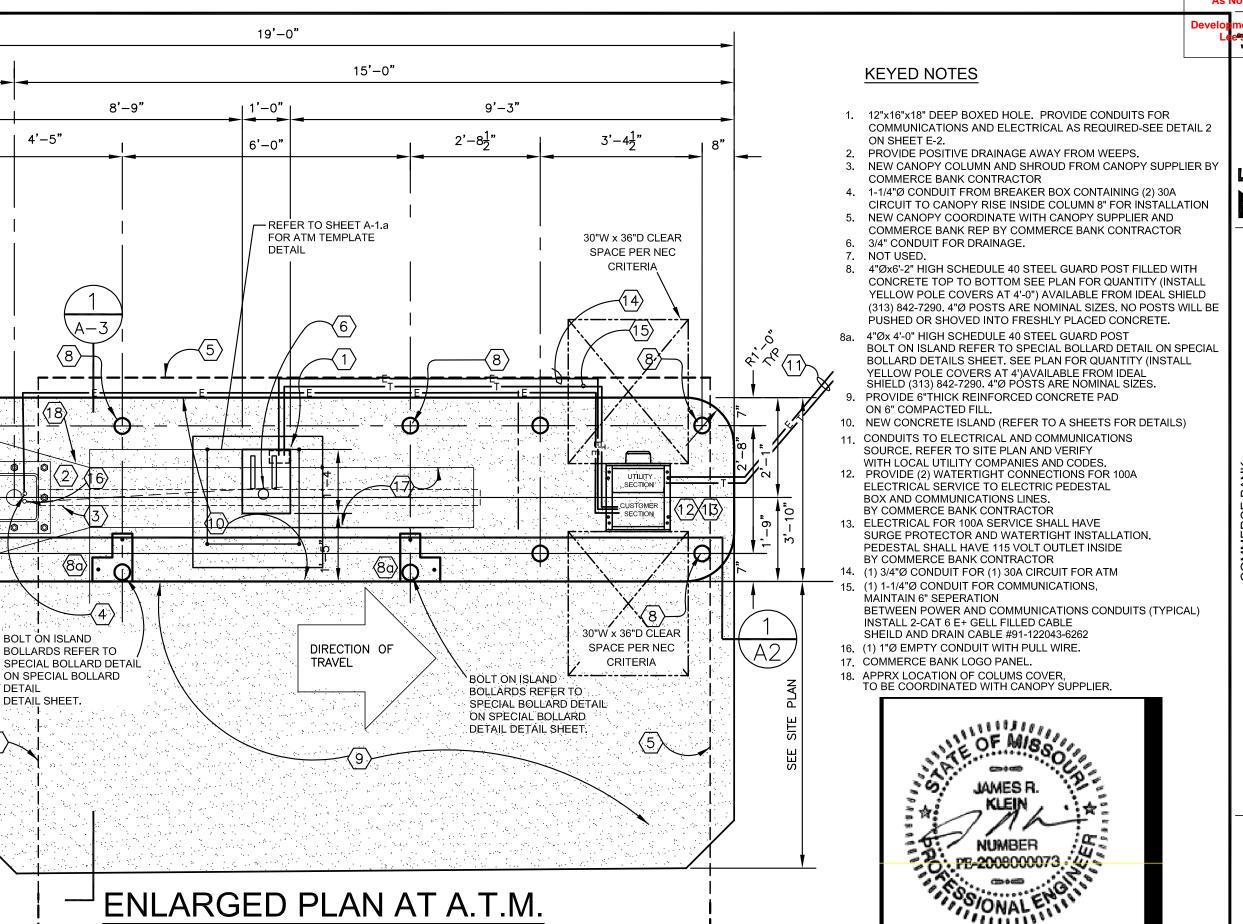




COMMERCE BANK PROTOTYPE ATM FLOOR PLAN

A.00 NA JPB REP

Project No Book No: Drawn by: Reviewed: Date:



4'-0"

1'-10"

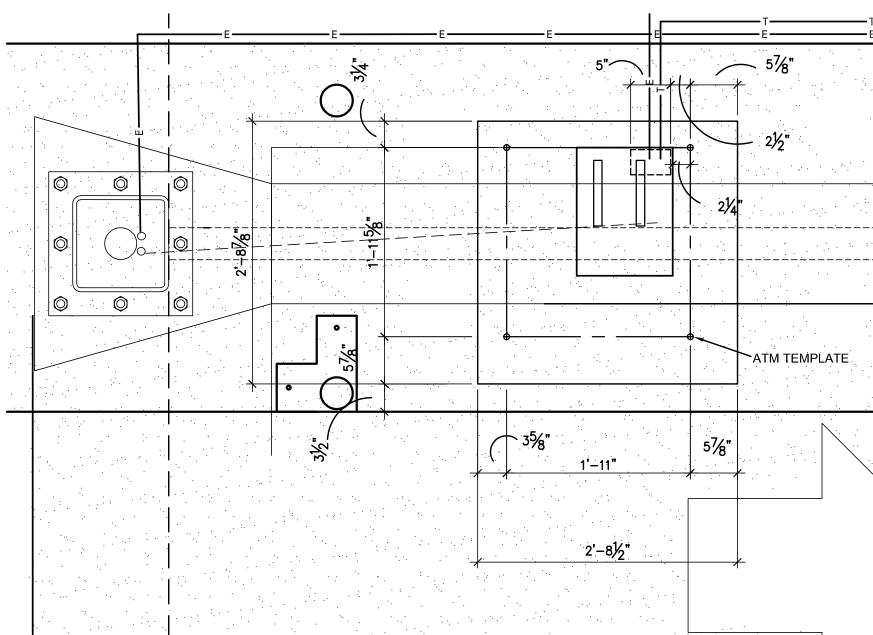
 $\langle 8 \rangle$

GROUP LEN AVENUE, SUITE 200 1015, MISSOURI 63119 962-7900 / info@f-w.com

COMMERCE BANK PROTOTYPE ATM TEMPLATE PLAN

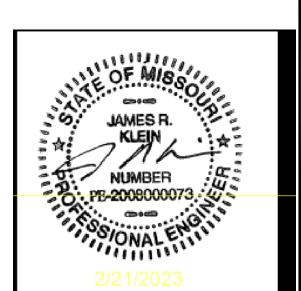
Project No: Book No: Drawn by: Reviewed: Date:

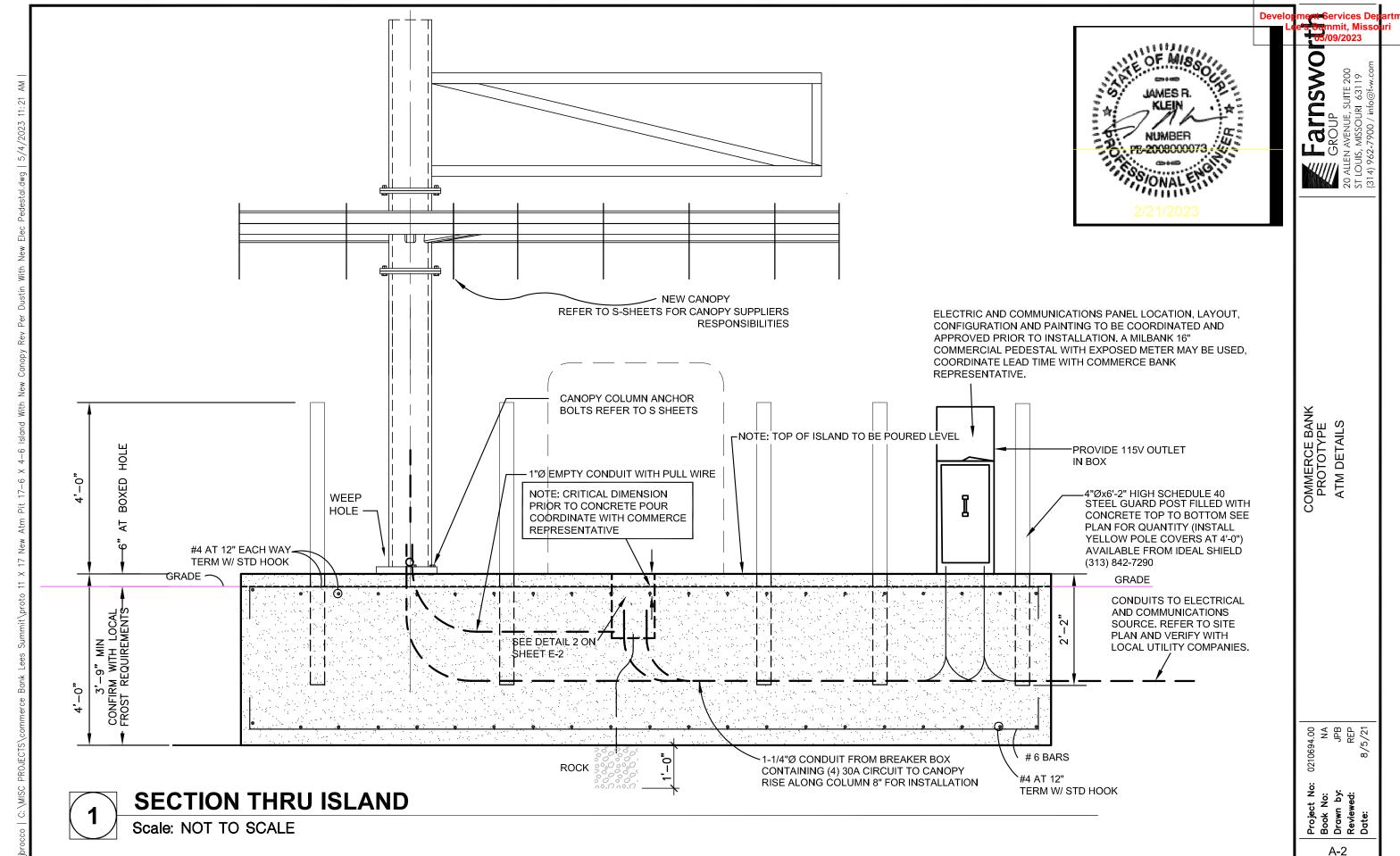
A-1a



A.T.M. TEMPLATE PLAN

SCALE 1" = 1'-0"





Farnswor NOTE: REFER TO S-SHEETS FOR CANOPY SUPPLIER RESPONSIBILITIES 4"Øx 4'-0" HIGH SCHEDULE 40 STEEL **GUARD POST BOLT ON ISLAND REFER** TO SPECIAL BOLLARD DETAIL 3 ON SHEET S-3. SEE PLAN FOR QUANTITY (INSTALL YELLOW POLE COVERS AT 4') AVAILABLE FROM IDEAL SHIELD (313) 842-7290 COLUMN FOR CANOPY COMMERCE BANK PROTOTYPE ATM DETAILS 4"Øx6'-2" HIGH SCHEDULE 40 STEEL GUARD POST FILLED WITH CONCRETE TOP TO BOTTOM SEE PLAN FOR QUANTITY (INSTALL YELLOW POLE 3" CONFIRM
// COMMERCE
BANK REP
NOTE BELOW COVERS AT 4'-0") AVAILABLE FROM IDEAL SHIELD (313) 842-7290 **NEW 6" THICK** CONCRETE PAD. PROVIDE 4,000 PSI **CONCRETE AT 6%** #4 AT 12" EACH WAY AIR ENTRAINMENT TERM WITH STD .05 WATER/CEMENT HOOKS RATIO. INSTALL **OVER 6" COMPACT** -RADIUS CORNERS FILL. 3'-9" MIM CONFIRM WITH LOCAL FROST REQUIREMENTS NOTE: ISLAND HEIGHT ABOVE GRADE AT ATM IS CRITICAL -0210694.00 NA JPB REP 8/5/21 CONSULT WITH COMMERCE -(4) # 6 CONTINUOUS SPACED EVENLY TERMINATE WITH STD HOOK REPRESENTATIVE. 6" COMPACT FILL. 3'-10" Project No: Book No: Drawn by: Reviewed: Date: **SECTION THRU ISLAND** Scale: NOT TO SCALE

GROUP Surfection of the Company of t

COMMERCE BANK PROTOTYPE CANOPY ROOF PLAN

0210694.00 NA JPB REP 8/5/21

4'-0'' 10'-0'' 2'-6" 2'-6" 1'-6" 2'-0" 2'-0" 2'-0'' 1'-6"

CANOPY ROOF PLAN

Scale: NO SCALE

1. CANOPY STRUCTURAL DESIGN IS THE RESPONSIBILITY OF THE CANOPY/SIGN FABRICATOR. CANOPY/SIGN FABRICATOR SHALL PROVIDE A STRUCTURAL DESIGN OF THE CANOPY SIGNED AND SEALED BY THEIR ENGINEER LICENSED IN THE STATE WHERE THE CANOPY IS TO BE INSTALLED.

NOTE:

2. CANOPY AND SIGN FRAMING DETAILS ARE PROVIDED FOR REFERENCE ONLY. FINAL FRAMING LAYOUT TO BE DESIGNED BY FABRICATOR TO MEET THE PERFORMANCE AND AESTHETIC REQUIREMENTS SET BE CONSTRUCTION DOCUMENTS.

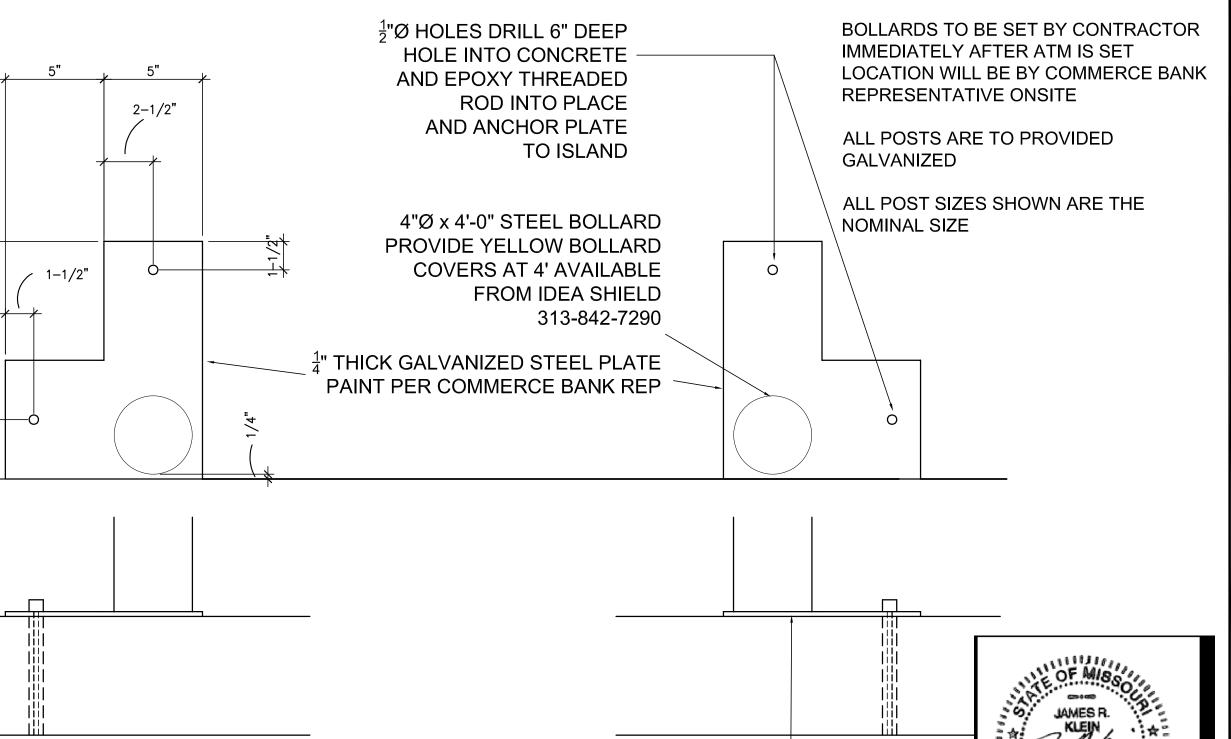


Farnswor

COMMERCE BANK PROTOTYPE ATM DETAILS

0210694.00 NA JPB REP 8/25/21

BOLLARD



¹/₄" THICK GALVANIZED

PAINT PER COMMERCE

STEEL PLATE

BANK REP

SPECIAL BOLLARD DETAIL

Scale: NOT TO SCALE

1. REINFORCED CONCRETE IS DESIGNED IN ACCORDANCE WITH AND SHALL BE PLACED IN COMPLIANCE WITH PROVISIONS OF THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS:

ACI 304- RECOMMENDED PRACTICE FOR MEASURING, MIXING,

- TRANSPORTING, AND PLACING OF CONCRETE ACI 318- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
- CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE."
- 2. CONCRETE MIX DESIGNS: CLASS A CONCRETE- AIR ENTRAINED MEETING THE FOLLOWING REQUIREMENTS:
 - SLUMP: 4" ± 1

CONCRETE:

- MAXIMUM AGGREGATE SIZE: 3/4 INCH
- MAXIMUM W/C RATIO: 0.462
- AIR CONTENT = $5.5\% \pm 1\%$
- 3. MINIMUM CONCRETE COMPRESSIVE STRENGTH (F 'C) AT 28 DAYS: FOOTINGS 4000 PSI

STEEL:

- 1. ALL STRUCTURAL STEEL SHALL BE DESIGNED AND CONSTRUCTED IN ACCORDANCE WITH AISC "STEEL CONSTRUCTION MANUAL 360-16
- 2. ALL STRUCTURAL STEEL, UNLESS OTHERWISE NOTED, SHALL CONFORM TO THE FOLLOWING ASTM SPECIFICATIONS:

W-SHAPES A992 **CHANNELS** A36 **ANGLES** A36

ROUND HSS A500 GRADE B **SQUARE & RECTANGULAR HSS** A500 GRADE B

STRUCTURAL PLATE AND BARS A36

- 3. ALL BOLTED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO RCSC "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 OR A490 BOLTS," DATED June 30, 2004.
- 4. ALL WELDED CONNECTIONS FOR STRUCTURAL STEEL SHALL CONFORM TO AWS "STRUCTURAL WELDING CODE," DI.1.
- 5. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, ALL WELDED CONNECTIONS SHALL BE MADE WITH A-233 CLASS E-70 SERIES ELECTRODES OR BY SUBMERGED ARC WELDING GRADE AWS -2.
- 6. ALL EXTERIOR STEEL SHALL BE GALVANIZED, AND FIELD WELDS SHALL BE REPAIRED PER ASTM A 780 "STANDARD PRACTICE FOR REPAIR OF DAMAGED AND UNCOATED AREAS OF HOT-DIP GALVANIZED COATINGS".
- 7. ANCHOR BOLTS SHALL CONFORM TO ASTM FI554 GR36.
- 8. ALL GROUT BELOW ALL COLUMN BASE PLATES SHALL BE NON-SHRINK NON-METALIC GROUT UNLESS OTHERWISE SHOWN OR NOTED.

CONTRACTOR SHALL CONFIRM ALL CONNECTIONS ARE INSTALLED FREE OF CORROSION OR OTHER DAMAGE.

DESIGN CRITERIA:

NOTES:

GENERAL CONSTRUCTION:

OF A CONTRACTOR.

SUPPORTED MEMBER.

ATTENT ION OF THE ENGINEER.

- 1. THE STRUCTURAL ENGINEERING DESIGN IS BASED ON AND IN ACCORDANCE WITH THE FOLLOWING CODE(S) INTERNATIONAL BUILDING CODE - IBC 2018 AMERICAN SOCIETY OF CIVIL ENGINEERS - ASCE7-16
- 2. UNLESS OTHERWISE SHOWN OR NOTED ON THE DRAWINGS, THE STRUCTURAL DESIGN IS BASED ON THE FOLLOWING TYPICAL UNIFORM LOADS:

1. THE CONTRACTOR SHALL HAVE SOLE RESPONSIBILITY FOR DETERMINING THE MEANS, METHODS, SEQUENCES, AND SAFETY PROCEDURES USED IN

PERFORMING THE WORK. SHOULD THE ENGINEER VISIT THE SITE,

2. ANY CONDITION ENCOUNTERED IN THE EXISTING STRUCTURAL SYSTEM

3. GROUT BELOW BEAM BEARING AND COLUMN BASE PLATES SHALL BE IN

CREATE A FAILURE OR HAZARD SHALL BE BROUGHT TO THE IMMEDIATE

WHICH IS DIFFERENT FROM THAT INDICATED IN DRAWINGS OR WHICH MIGHT

PLACE AND PROPERLY CURED PRIOR TO ANY APPLICATION OF LOAD TO THE

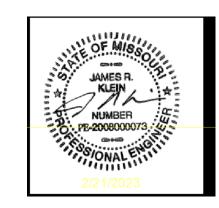
IT IS IN THE CAPACITY AS ENGINEER AND NOT IN THE CAPACITY

LIVE ROOF 20 PSF SNOW PG 20 PSF WIND EXPOSURE C 109 MPH 1 Kzt 1 0.85 Kd SEISMIC Ss 0.096g S1 0.070g SITE CLASS D

SOIL PER REPORT PROVIDED BY: ASSUMED NET ALLOWABLE BEARING PRESSURE 1500 PSF

CONCRETE REINFORCEMENT:

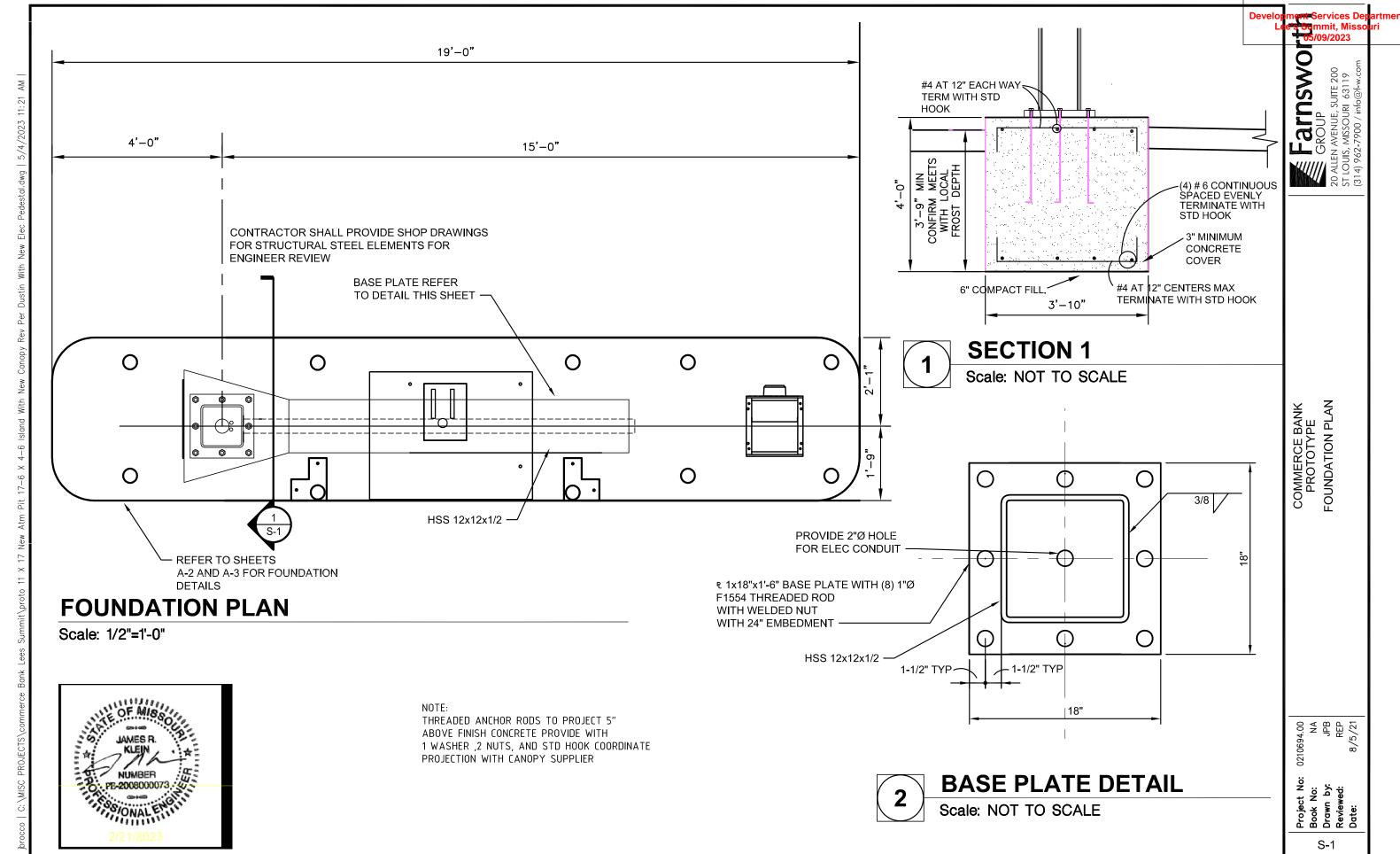
- 1. REINFORCMENT MATERIALS:
- A. DEFORMED BARS NEW BILLET STEEL COMPLYING WITH ASTM A615 AND HAVING A MINIMUM YIELD STRENGTH OF 60000 PSI.
- B. REINFORCING BAR DETAILING, FABRICATING, AND PLACING SHALL CONFORM TO THE MOST CURRENT EDITIONS OF CONCRETE REINFORCING STEEL INSTITUTE 'S "REINFORCING BAR DETAILING" AND "PLACING REINFORCING BARS".

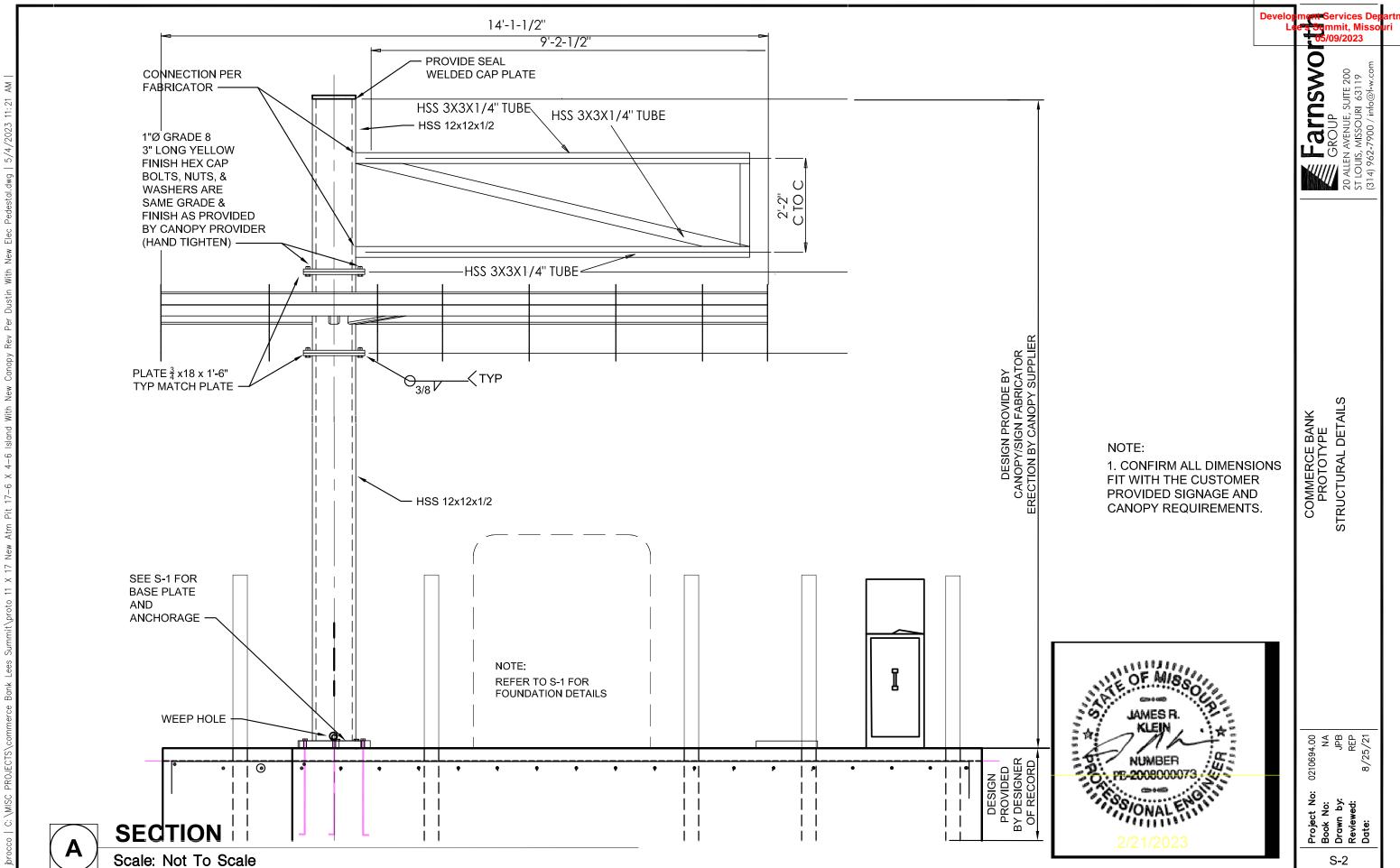


-arnswor

STRUCTRAL NOTES COMMERCE BANK PROTOTYPE

oject h k No: n by: ved:





Develor ment Services Department Lee's 30 mmit, Missouri 05/09/2023

Farnswor
GROUP
ALLEN AVENUE, SUITE 200

20 ALLEN ST LOUIS,

COMMERCE BANK PROTOTYPE ATM POWER PLAN

> 0210694.00 NA JPB REP 8/25/21

Project No: (Book No: Drawn by: Reviewed: Date:

<u>в</u> С

MAINTAIN 6" SEPERATION BETWEEN POWER AND COMMUNICATIONS CONDUITS (TYPICAL)
INSTALL 2-CAT 6 E+ GELL FILLED CABLE AND ALARM AND VIDEO
INSTALL 1 VIDEO CABLE WITH PIGGYBACK 22 GUAGE 2 CONDUCTOR CONDUITS TO ELECTRICAL AND COMMUNICATIONS SOURCE. REFER TO SITE PLAN AND VERIFY WITH LOCAL UTILITY POWER WIRE WITH FOIL SHIELD AND DRAIN CABLE #91-051011-5262 INSTALL 1 ALARM CABLE - 22 GUAGE 4 CONDUCTOR WITH FOIL COMPANIES AND CODES. SHEILD AND DRAIN CABLE #91-122043-6262 1-1/4"Ø CONDUIT FROM MILLBANK PEDESTAL CONTAINING (2) 30A CIRCUIT TO CANOPY RISE INSIDE COLUMN 8" FOR INSTALLATION 30"W x 36"D CLEAR SPACE PER NEC CRITERIA 0 0 0 O 0 SECTION MILLBANK PEDESTAL REFER TO CUSTOMER SECTION SHEET E-3 FOR DETAILS CONTRACTOR TO INFORM COMMERCE BANK REP OF LEAD TIME 0 0 CONTRACTOR IS TO PROVIDE A COMMUNICATION PANEL INSIDE THE NEW PEDESTAL REFER TO DETAIL 2 ON SHEET E-2 30"W x 36"D CLEAR 3/4" CONDUIT FOR DRAINAGE. SPACE PER NEC CRITERIA **DIRECTION OF TRAVEL** A.T.M. POWER PLAN REFER TO SHEET E-2 FOR PANEL SCHEDULE, RISER DIAGRAM AND CONDUIT ENTRY DETAIL

ALL NEW ELECTRICAL WORK IS TO CONFORM TO THE NATIONAL ELECTRICAL CODE 2017 EDITION

(1) 1-1/4"Ø CONDUIT FOR COMMUNICATIONS,

N 0
NSU.
ا ي

CITY COMMENTS 4-21-22

ELECTRICAL DETAIL

0210694.00 NA JPB REP 8/5/21

· FLOOR OF ATM

TOP OF CONCRETE SLAB

PROVIDE 1"Ø EMPTY

CONDUIT WITH PULL

WIRE FROM BOX HOLE

TO CANOPY COLUMN

CIRCUIT BREAKER LOAD CENTER

TYPE: QO PANEL "LP1" 120/208 VOLTS, 1 PHASE, 3 WIRE, 20 POLES MAINS: 100A CU BUS, 100A MAIN BREAKER

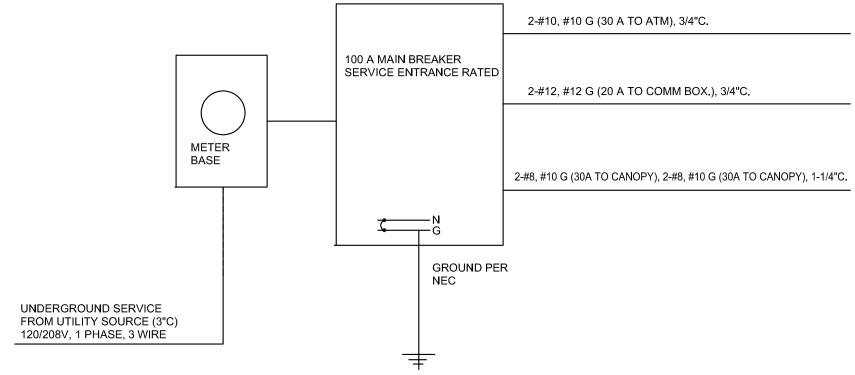
CIRCUIT NUMBERS	EQUIPMENT SERVED	CIRCUIT BREAKER		
		AMP	POLE	QUANITY
1,3	CANOPY POWER	30	1	2
2	ATM POWER	30	1	1
4	SPACE	20	1	1
5	COMMUNICATION PANEL POWER	20	1	1
6,20	SPACES		1	15

NOTES:

- 1. PROVIDE PANEL WITH NEMA 3R ENCLOSURE.
- 2. PROVIDE PANEL WITH SURGE SUPPRESSOR EQUAL TO SQUAE D MODEL SDSB1175C, VERIFY EXACT INSTALLATION REQUIREMENTS WITH MANUFACTURER.

ACCESSORIES:

- # HANDLE LOCK OFF
- * GROUND FAULT INTERRUPTER



ELECTRICAL RISER DIAGRAM

Scale: NOT TO SCALE

SECTION AT CONDUIT ENTRY Scale: NOT TO SCALE

ELECTRICAL CONTRACTOR TO PROVIDE ──►

1/2" FLEX AND CONNECTORS 1'-6" LONG WITH 3'-0" WIRE LEAD OUT

(1) 1-1/4"Ø CONDUIT FOR ∠ COMMUNICATIONS, MAINTAIN 6"

SEPERATION BETWEEN POWER AND

AND ALARM AND VIDEO INSTALL 1

VIDEO CABLE WITH PIGGYBACK 22 GUAGE 2 CONDUCTOR POWER WIRE WITH FOIL SHIELD AND DRAIN CABLE #91-051011-5262 INSTALL 1 ALARM CABLE - 22 GUAGE 4 CONDUCTOR WITH FOIL SHIELD AND DRAIN CABLE

18" DEEP AREA FOR CONDUITS

3/4"Ø CONDUIT FOR DRAINAGE

COMMUNICATIONS CONDUITS (TYPICAL)

INSTALL 2-CAT 6 E+ GELL FILLED CABLE

30 AMP CIRCUIT

#91-122043-6262

3/4" CONDUIT

SURROUND

FOR ATM CIRCUIT

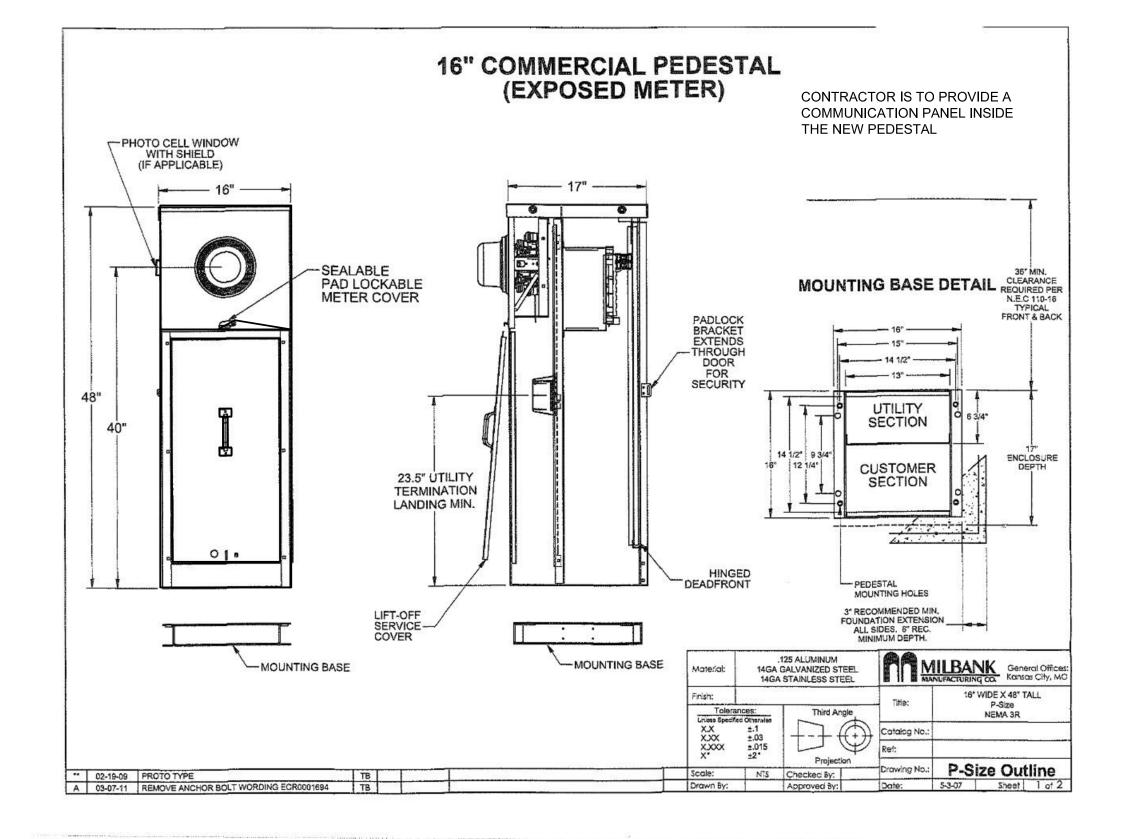
REFER TO PLAN VIEWS FOR CONDUIT ROUTING FOR



MILLBANK UTILITY PEDESTAL DETAIL COMMERCE BANK PROTOTYPE

0210694.00 NA JPB REP 8/5/21

Project No: Book No: Drawn by: Reviewed: Date:



MILLBANK UTILITY PEDESTAL DETAIL

Scale: NOT TO SCALE