

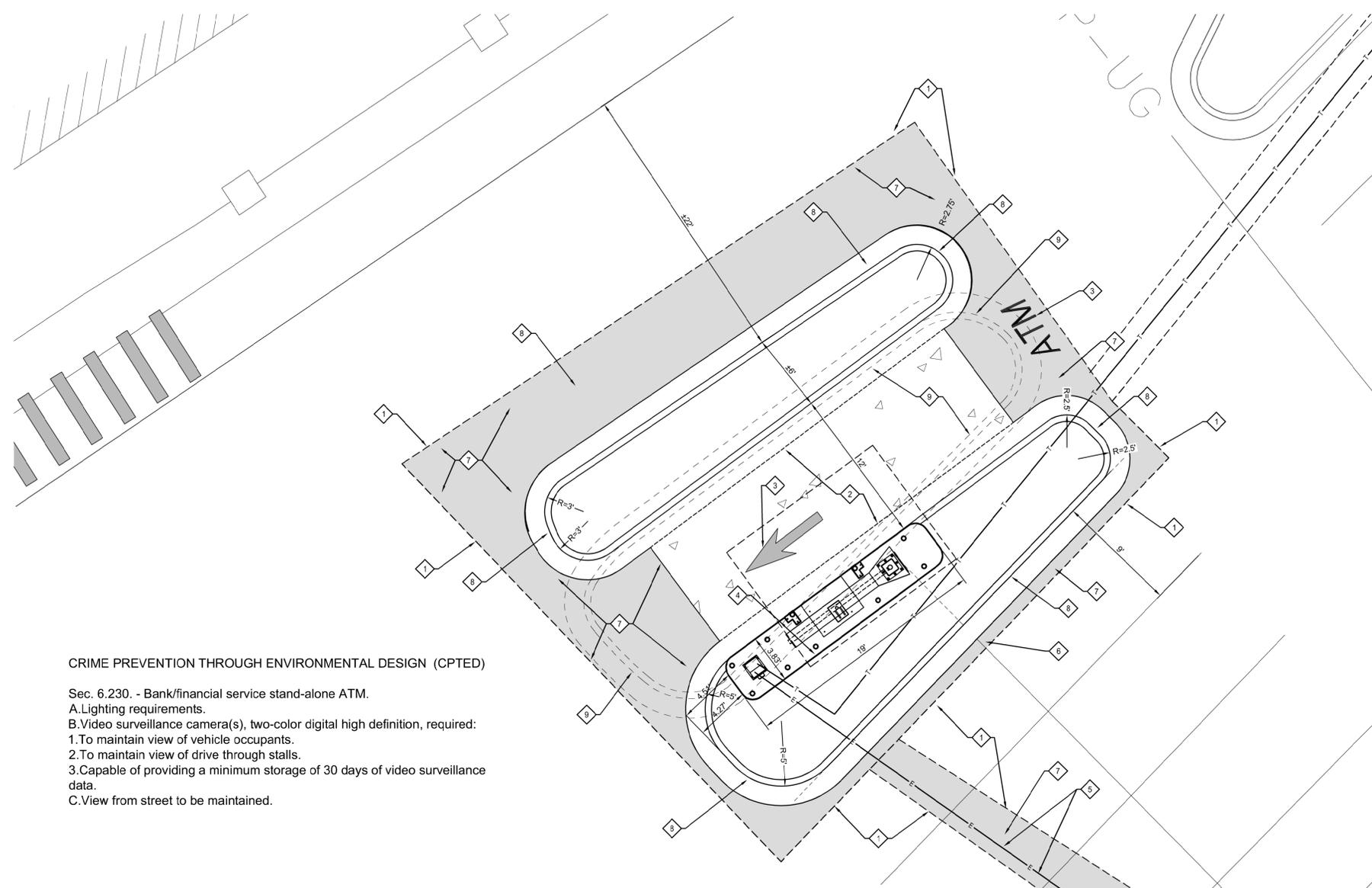


Farnsworth GROUP

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Missouri State Certificate of Authority #001321
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Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:



CRIME PREVENTION THROUGH ENVIRONMENTAL DESIGN (CPTED)

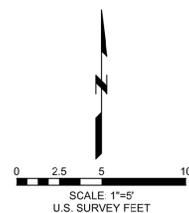
Sec. 6.230. - Bank/financial service stand-alone ATM.

A. Lighting requirements.

B. Video surveillance camera(s), two-color digital high definition, required:

1. To maintain view of vehicle occupants.
2. To maintain view of drive through stalls.
3. Capable of providing a minimum storage of 30 days of video surveillance data.

C. View from street to be maintained.



DETAIL SITE PLAN

Keyed Notes

1. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT REPLACE WITH NEW PAVEMENT. REFER TO DETAILS ON SHEET C2.0.
2. NEW CONCRETE PAVEMENT. REFER TO DETAIL 1 ON SHEET C2.0.
3. NEW PAVEMENT MARKINGS. REFER TO DETAIL 4 ON SHEET C2.0.
4. NEW ATM ISLAND REFER TO A SHEETS FOR DETAILS.
5. NEW POWER AND COMMUNICATION LINES FROM NEW ATM UNIT TO EXISTING POWER AND COMMUNICATION SOURCES. COORDINATE CONNECTION POINTS WITH LOCAL UTILITIES. COORDINATE ROUTING WITH COMMERCE BANK REP PAVEMENT TO BE SAWCUT, REMOVED AND REPLACED OR CONTRACTOR MAY UTILIZE DIRECTION DRILL TECHNIQUES.
6. NEW PAINTED STRIPING AS REQUIRED FOR NEW CONSTRUCTION. REFER TO DETAIL 2 ON SHEET C2.0.
7. NEW ASPHALTIC CONCRETE PAVEMENT. REFER TO DETAIL 5 ON SHEET C2.0.
8. NEW CONCRETE CURB AND GUTTER. REFER TO DETAIL 7 ON SHEET C2.0.
9. REMOVE EXISTING CONCRETE CURB AND GUTTER.

Note

CONTRACTOR TO FIELD VISIT SITE AND FIELD DETERMINE ELECTRICAL RUNS AND DETERMINE THE MOST ECONOMICAL RUNS FOR POWERING NEW ATM EQUIPMENT AND REPORT THE FINDINGS TO THE COMMERCE BANK REPRESENTATIVE.

Grading and Formwork Note

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.

Permit Set
NOT FOR CONSTRUCTION

PROJECT:
Commerce Bank

New Atm Facility

190 NW Oldham Parkway Lees
Summit Missouri

DATE: 1/25/2023

DESIGNED: JPB

DRAWN: JPB

REVIEWED: JK

FIELD BOOK NO.: NA

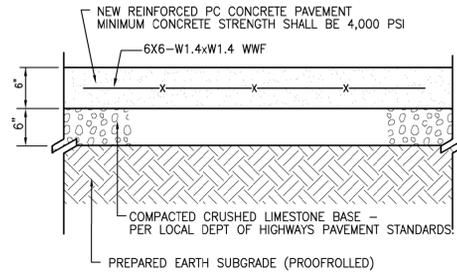
SHEET TITLE:

DETAIL SITE PLAN

SHEET NUMBER:

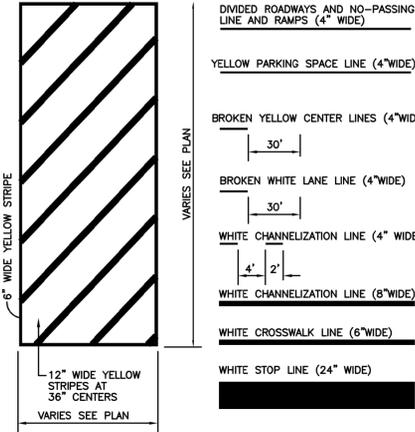
C1.1

PROJECT NO.: 022

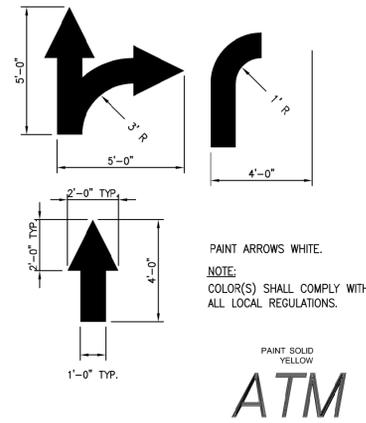


COMPACT SUBGRADE TO 90% OF GREATER OF MAX. DRY DENSITY PER ASTM D-1557
 COMPACT BASE TO 90% OF GREATER OF RELATIVE DRY DENSITY PER ASTM D-2049
 PROVIDE TOOLED CONTRACTION JOINTS AT 20' C.C.

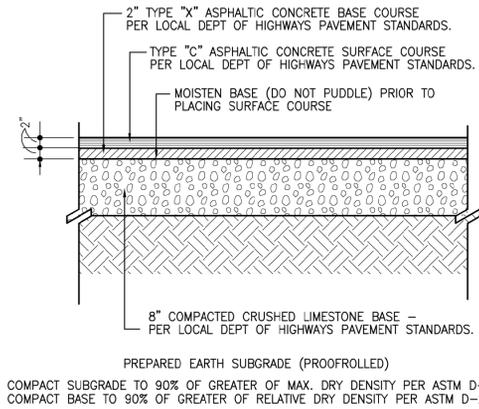
1 Concrete Pavement Detail
 Scale: Not To Scale



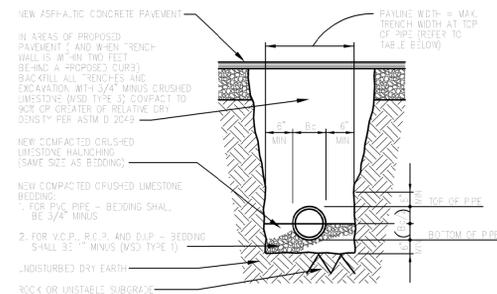
2 Painted Stripe Detail
 Scale: Not To Scale



4 Painted Directional Arrow/Letters Detail
 Scale: Not To Scale



5 Asphalt Pavement Detail
 Scale: Not To Scale



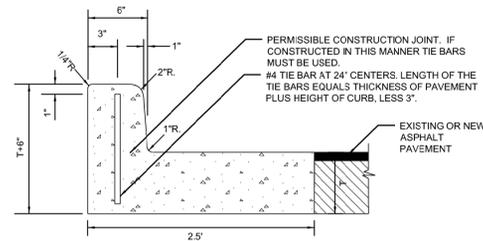
1. TRENCHES BEHIND CURBS SHALL BE BACKFILLED WITH ROCK TO WITHIN 2\"/>

2. BACKFILL IN TRENCHES WHICH ARE NOT IN AREAS OF (OR NOT WITHIN 20\"/>

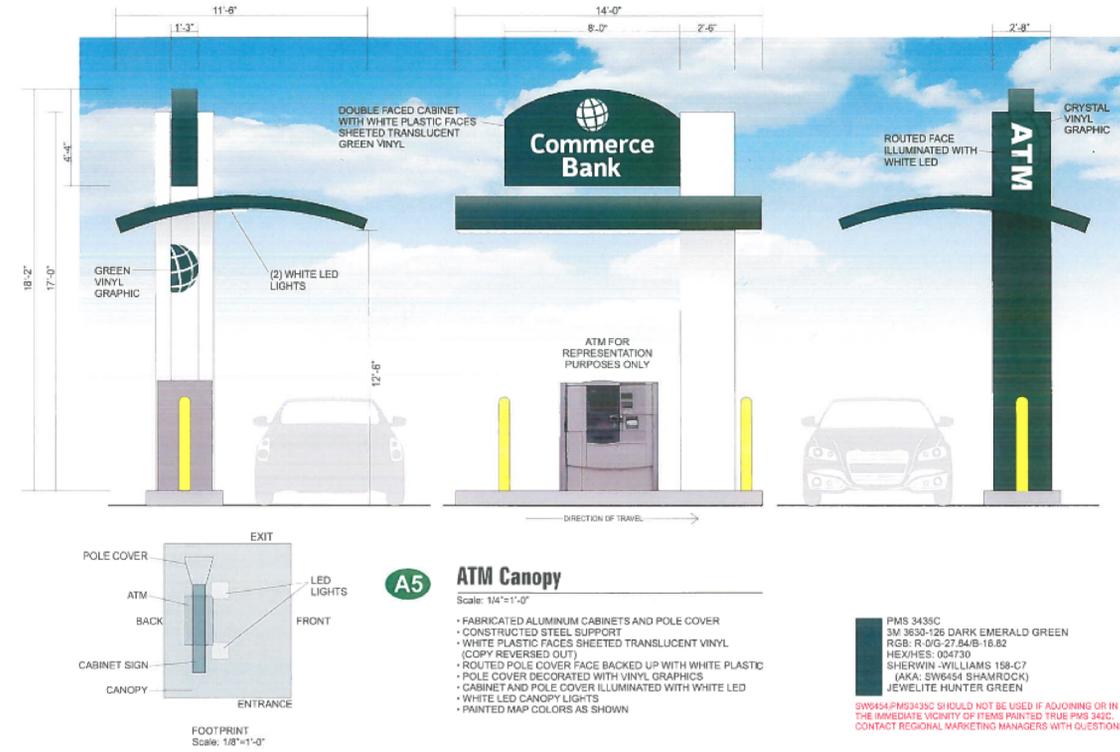
PAVING SHALL CONSIST OF SELECTED JOB-EXCAVATED EARTH THOROUGHLY COMPACTED BY WATER-JETTING OR WITH SUITABLE MECHANICAL TAMPERS.

INSIDE DIAMETER OF PIPE (INCHES)	PAYLINE WIDTH OF TRENCH (INCHES)	INSIDE DIAMETER OF PIPE (INCHES)	PAYLINE WIDTH OF TRENCH (INCHES)
4,6,8,12	28		
15	32		
18	35		
21	39		
24			

6 Utility Trench Detail
 Scale: Not To Scale



7 Curb and Gutter Detail
 Scale: Not To Scale



3 ATM Canopy Elevation
 Scale: Not To Scale

- A5 ATM Canopy**
 Scale: 1/4"=1'-0"
- FABRICATED ALUMINUM CABINETS AND POLE COVER
 - CONSTRUCTED STEEL SUPPORT
 - WHITE PLASTIC FACES SHEETED TRANSLUCENT VINYL (COPY REVERSED OUT)
 - ROUTED POLE COVER FACE BACKED UP WITH WHITE PLASTIC
 - POLE COVER DECORATED WITH VINYL GRAPHICS
 - CABINET AND POLE COVER ILLUMINATED WITH WHITE LED
 - WHITE LED CANOPY LIGHTS
 - PAINTED MAP COLORS AS SHOWN

PMS 3439C
 3M 3630-126 DARK EMERALD GREEN
 RGB: R:0/G:27/B:16.62
 HEX/HEX: 004730
 SHERWIN-WILLIAMS 158-C7
 (AKA: SW6454 SHAMROCK)
 JEWELITE HUNTER GREEN

SW6454/PMS3439C SHOULD NOT BE USED IF ADJOINING OR IN THE IMMEDIATE VICINITY OF ITEMS PAINTED TRUE PMS 342C. CONTACT REGIONAL MARKETING MANAGERS WITH QUESTIONS.

ISSUE:
 # DATE: DESCRIPTION:

Permit Set
 NOT FOR CONSTRUCTION

PROJECT:
 Commerce Bank

New Atm Facility

190 NW Oldham Parkway Lees Summit Missouri

DATE: 1/25/2023
 DESIGNED: JPB
 DRAWN: JPB
 REVIEWED: JK
 FIELD BOOK NO.: NA

SHEET TITLE:
SITE DETAILS

SHEET NUMBER:

C2.0

PROJECT NO.: 022

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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.
2. 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.
5. 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.
10. 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:

1. 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.
4. 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.

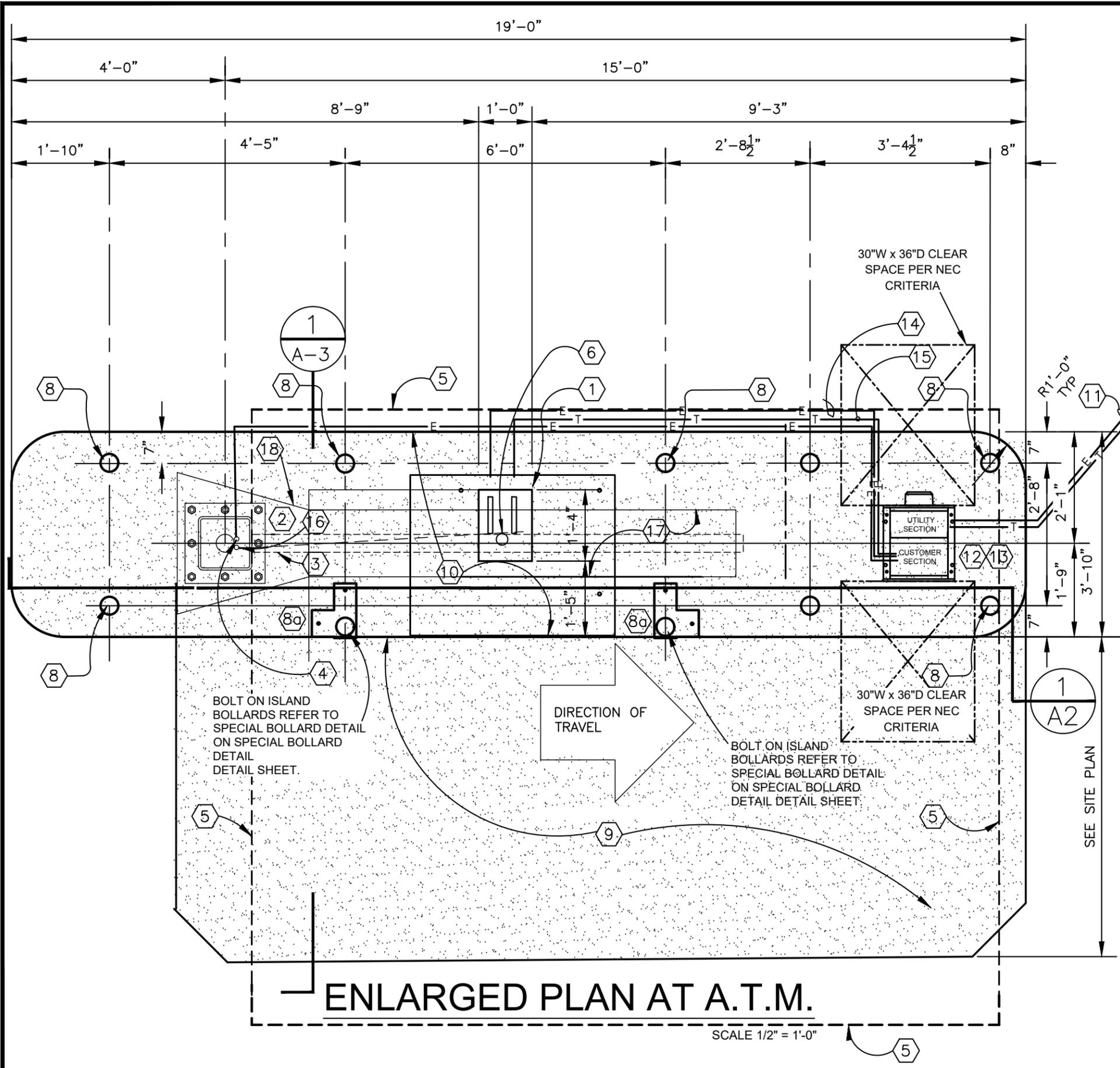
SHEET INDEX

A-0	GENERAL NOTES
A-1	ATM FLOOR PLAN
A-2	ATM DETAILS
A-3	ATM DETAILS
A-4	CANOPY ROOF PLAN
BOLLARD	SPECIAL BOLLARD DETAIL
S-0	STRUCTURAL GENERAL NOTES
S-1	FOUNDATION PLAN
S-2	STRUCTURAL DETAILS
E-1	ATM POWER PLAN
E-2	ELECTRICAL DETAILS
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)

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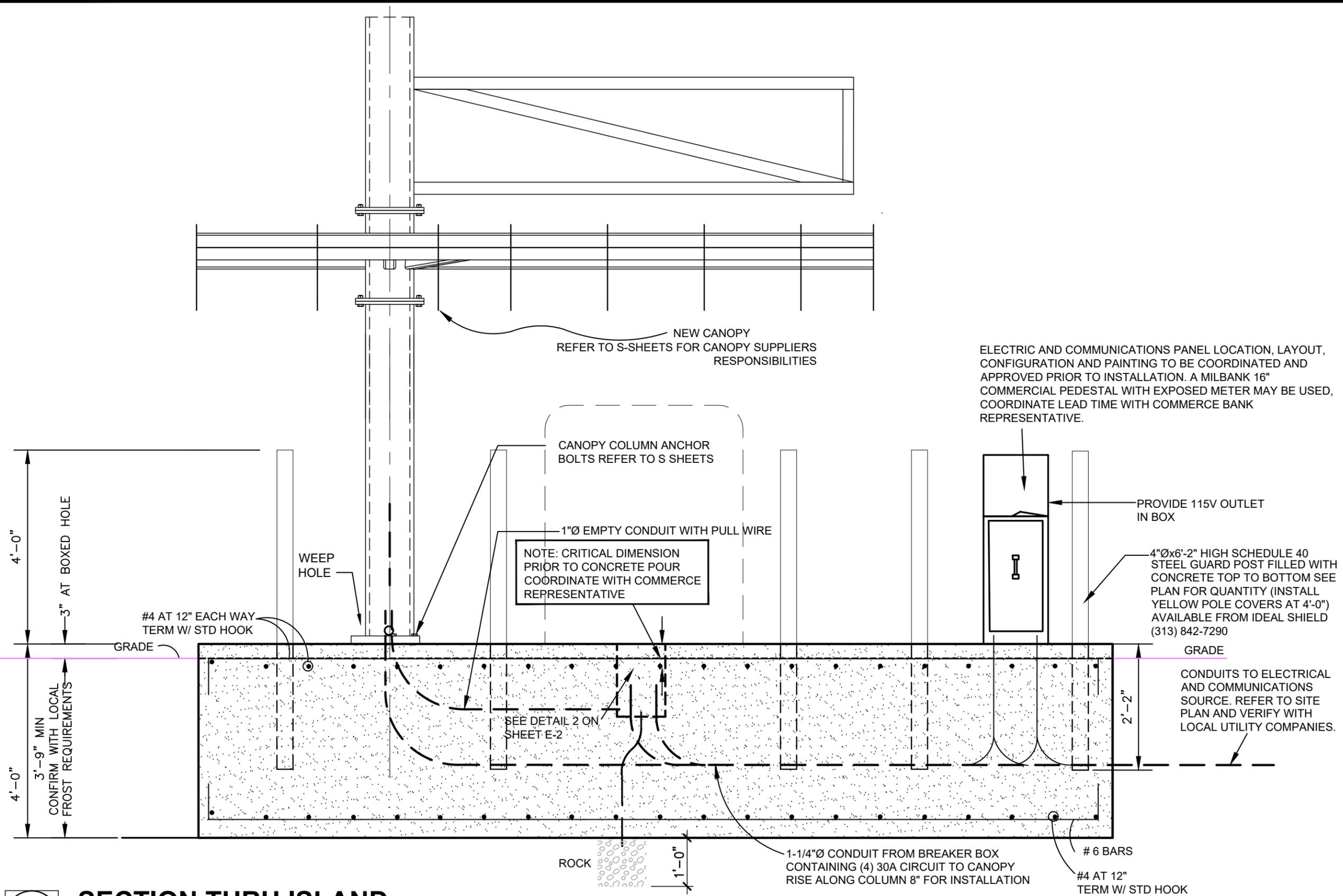
ENLARGED PLAN AT A.T.M.

SCALE 1/2" = 1'-0"

KEYED NOTES

1. 12"x16"x18" DEEP BOXED HOLE. PROVIDE CONDUITS FOR COMMUNICATIONS AND ELECTRICAL AS REQUIRED-SEE DETAIL 2 ON SHEET E-2.
2. PROVIDE POSITIVE DRAINAGE AWAY FROM WEEPS.
3. NEW CANOPY COLUMN AND SHROUD FROM CANOPY SUPPLIER BY COMMERCE BANK CONTRACTOR
4. 1-1/4"Ø CONDUIT FROM BREAKER BOX CONTAINING (2) 30A CIRCUIT TO CANOPY RISE INSIDE COLUMN 8" FOR INSTALLATION
5. NEW CANOPY COORDINATE WITH CANOPY SUPPLIER AND COMMERCE BANK REP BY COMMERCE BANK CONTRACTOR
6. 3/4" CONDUIT FOR DRAINAGE.
7. NOT USED.
8. 4"Øx6'-2" HIGH SCHEDULE 40 STEEL GUARD POST FILLED WITH CONCRETE TOP TO BOTTOM SEE PLAN FOR QUANTITY (INSTALL YELLOW POLE COVERS AT 4'-0") AVAILABLE FROM IDEAL SHIELD (313) 842-7290. 4"Ø POSTS ARE NOMINAL SIZES. NO POSTS WILL BE PUSHED OR SHOVED INTO FRESHLY PLACED CONCRETE.
- 8a. 4"Øx 4'-0" HIGH SCHEDULE 40 STEEL GUARD POST BOLT ON ISLAND REFER TO SPECIAL BOLLARD DETAIL ON SPECIAL BOLLARD DETAILS SHEET. SEE PLAN FOR QUANTITY (INSTALL YELLOW POLE COVERS AT 4')AVAILABLE FROM IDEAL SHIELD (313) 842-7290. 4"Ø POSTS ARE NOMINAL SIZES.
9. PROVIDE 6"THICK REINFORCED CONCRETE PAD ON 6" COMPACTED FILL.
10. NEW CONCRETE ISLAND (REFER TO A SHEETS FOR DETAILS)
11. CONDUITS TO ELECTRICAL AND COMMUNICATIONS SOURCE. REFER TO SITE PLAN AND VERIFY WITH LOCAL UTILITY COMPANIES AND CODES.
12. PROVIDE (2) WATERTIGHT CONNECTIONS FOR 100A ELECTRICAL SERVICE TO ELECTRIC PEDESTAL BOX AND COMMUNICATIONS LINES. BY COMMERCE BANK CONTRACTOR
13. ELECTRICAL FOR 100A SERVICE SHALL HAVE SURGE PROTECTOR AND WATERTIGHT INSTALLATION. PEDESTAL SHALL HAVE 115 VOLT OUTLET INSIDE BY COMMERCE BANK CONTRACTOR
14. (1) 3/4"Ø CONDUIT FOR (1) 30A CIRCUIT FOR ATM
15. (1) 1-1/4"Ø CONDUIT FOR COMMUNICATIONS, MAINTAIN 6" SEPERATION BETWEEN POWER AND COMMUNICATIONS CONDUITS (TYPICAL) INSTALL 2-CAT 6 E+ GELL FILLED CABLE SHEILD AND DRAIN CABLE #91-122043-6262
16. (1) 1"Ø EMPTY CONDUIT WITH PULL WIRE.
17. COMMERCE BANK LOGO PANEL.
18. APPRX LOCATION OF COLUMNS COVER, TO BE COORDINATED WITH CANOPY SUPPLIER.

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1 SECTION THRU ISLAND
Scale: NOT TO SCALE

NEW CANOPY
REFER TO S-SHEETS FOR CANOPY SUPPLIERS RESPONSIBILITIES

ELECTRIC AND COMMUNICATIONS PANEL LOCATION, LAYOUT, CONFIGURATION AND PAINTING TO BE COORDINATED AND APPROVED PRIOR TO INSTALLATION. A MILBANK 16" COMMERCIAL PEDESTAL WITH EXPOSED METER MAY BE USED, COORDINATE LEAD TIME WITH COMMERCE BANK REPRESENTATIVE.

CANOPY COLUMN ANCHOR BOLTS REFER TO S SHEETS

NOTE: CRITICAL DIMENSION PRIOR TO CONCRETE POUR COORDINATE WITH COMMERCE REPRESENTATIVE

PROVIDE 115V OUTLET IN BOX

4"Øx6'-2" HIGH SCHEDULE 40 STEEL GUARD POST FILLED WITH CONCRETE TOP TO BOTTOM SEE PLAN FOR QUANTITY (INSTALL YELLOW POLE COVERS AT 4'-0") AVAILABLE FROM IDEAL SHIELD (313) 842-7290

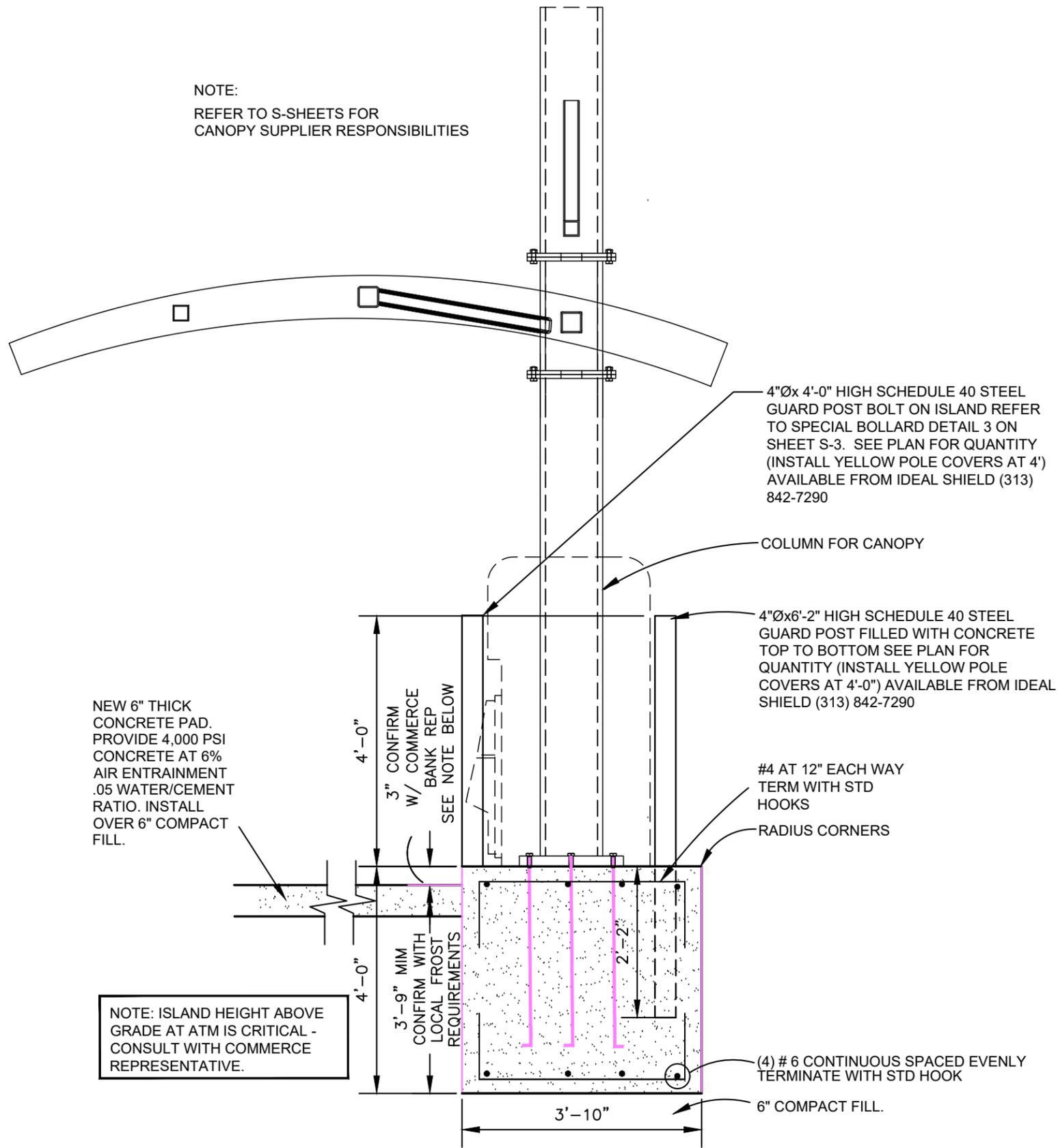
CONDUITS TO ELECTRICAL AND COMMUNICATIONS SOURCE. REFER TO SITE PLAN AND VERIFY WITH LOCAL UTILITY COMPANIES.

1-1/4"Ø CONDUIT FROM BREAKER BOX CONTAINING (4) 30A CIRCUIT TO CANOPY RISE ALONG COLUMN 8" FOR INSTALLATION

6 BARS
#4 AT 12" TERM W/ STD HOOK

Project No:	0210694.00	NA	JPB	REP	8/5/21
Book No:					
Drawn by:					
Reviewed:					
Date:					

NOTE:
REFER TO S-SHEETS FOR
CANOPY SUPPLIER RESPONSIBILITIES



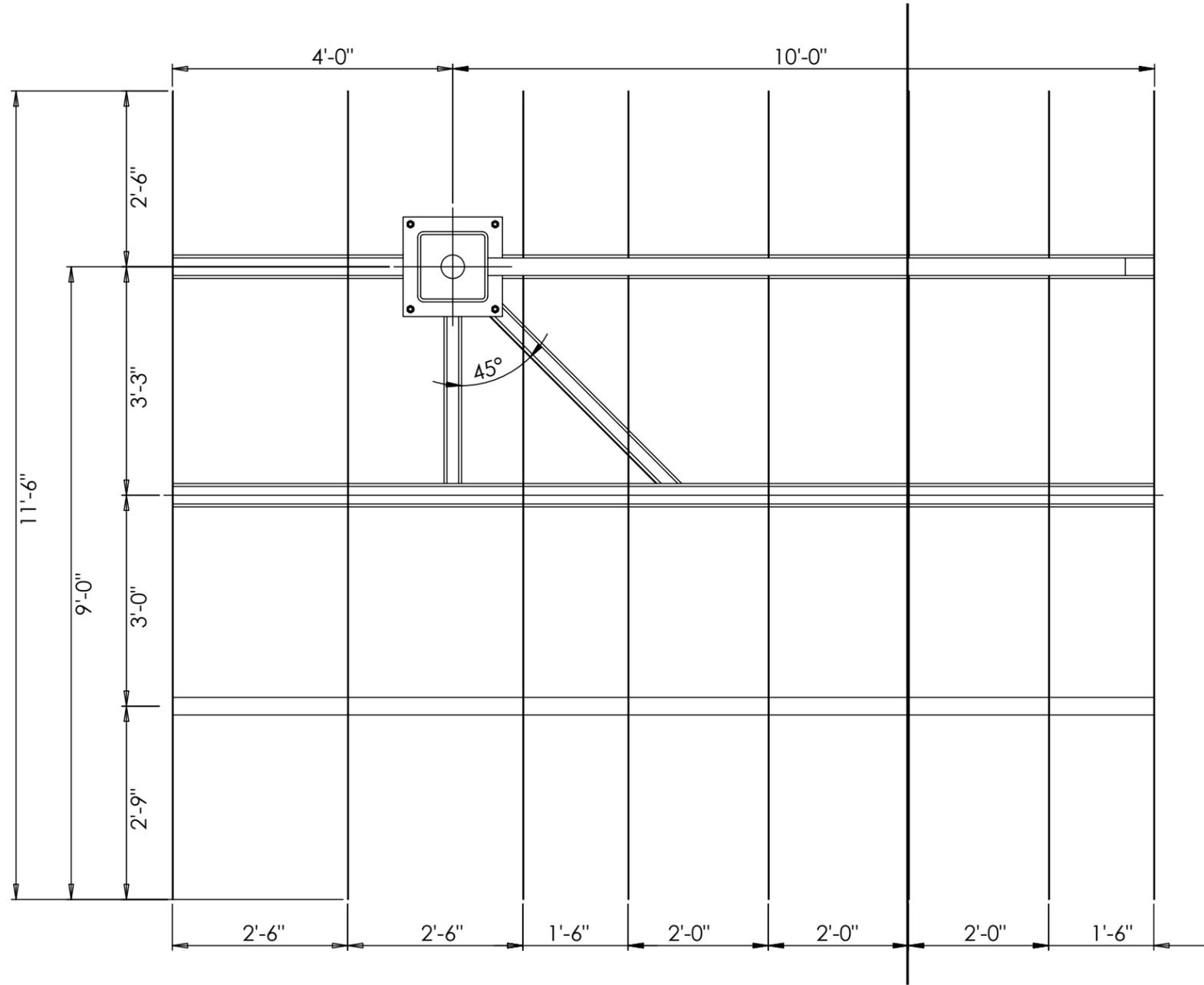
1

SECTION THRU ISLAND

Scale: NOT TO SCALE

COMMERCE BANK
PROTOTYPE
ATM DETAILS

Project No:	0210694.00	NA	JPB	REP	8/5/21
Book No:					
Drawn by:					
Reviewed:					
Date:					



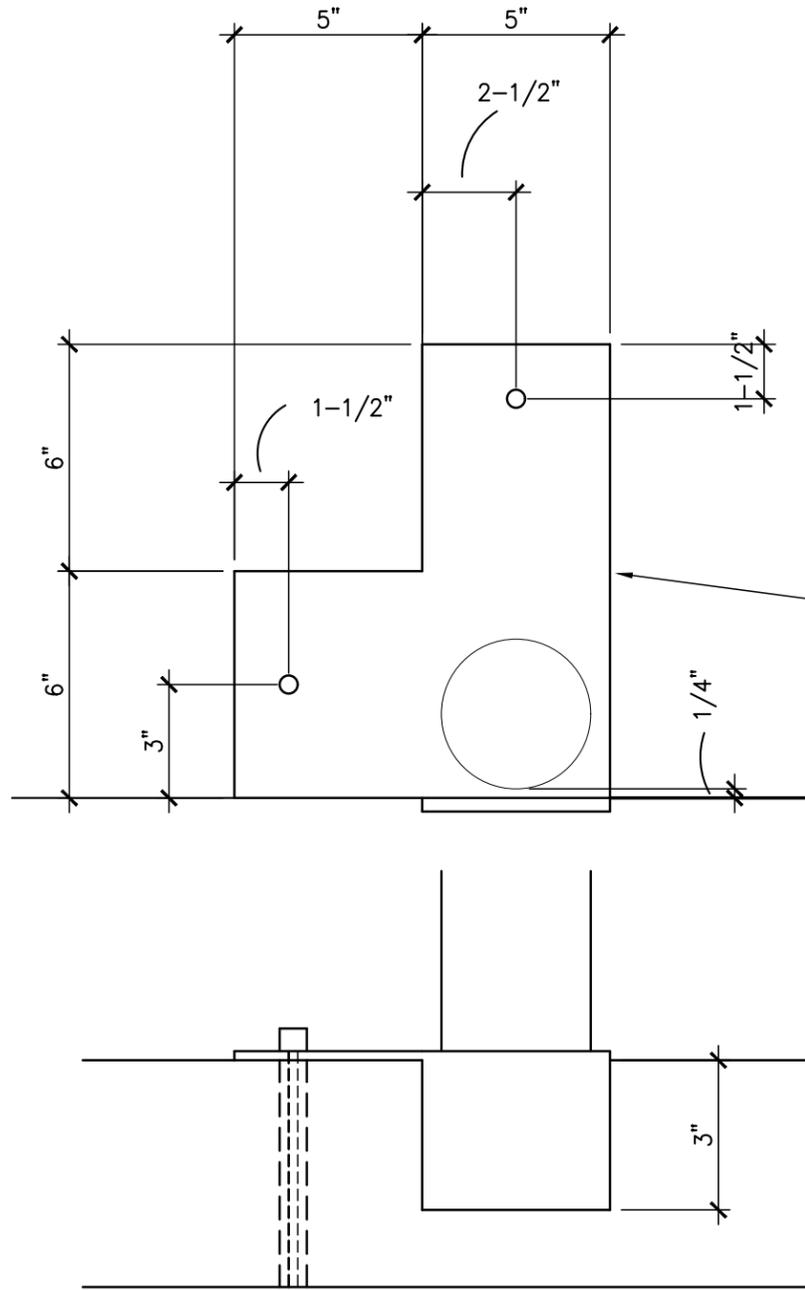
CANOPY ROOF PLAN

Scale: NO SCALE

NOTE:

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.

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.



$\frac{1}{2}$ " \varnothing HOLES DRILL 6" DEEP HOLE INTO CONCRETE AND EPOXY THREADED ROD INTO PLACE AND ANCHOR PLATE TO ISLAND

4" \varnothing x 4'-0" STEEL BOLLARD PROVIDE YELLOW BOLLARD COVERS AT 4' AVAILABLE FROM IDEA SHIELD 313-842-7290

$\frac{1}{4}$ " THICK GALVANIZED STEEL PLATE PAINT PER COMMERCE BANK REP

BOLLARDS TO BE SET BY CONTRACTOR IMMEDIATELY AFTER ATM IS SET LOCATION WILL BE BY COMMERCE BANK REPRESENTATIVE ONSITE

ALL POSTS ARE TO PROVIDED GALVANIZED

ALL POST SIZES SHOWN ARE THE NOMINAL SIZE

$\frac{1}{4}$ " THICK GALVANIZED STEEL PLATE PAINT PER COMMERCE BANK REP



SPECIAL BOLLARD DETAIL

Scale: NOT TO SCALE

NOTES:

GENERAL CONSTRUCTION:

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, IT IS IN THE CAPACITY AS ENGINEER AND NOT IN THE CAPACITY OF A CONTRACTOR.
2. ANY CONDITION ENCOUNTERED IN THE EXISTING STRUCTURAL SYSTEM WHICH IS DIFFERENT FROM THAT INDICATED IN DRAWINGS OR WHICH MIGHT CREATE A FAILURE OR HAZARD SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE ENGINEER.
3. GROUT BELOW BEAM BEARING AND COLUMN BASE PLATES SHALL BE IN PLACE AND PROPERLY CURED PRIOR TO ANY APPLICATION OF LOAD TO THE SUPPORTED MEMBER.

DESIGN CRITERIA:

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:

LIVE ROOF 20 PSF

SNOW PG 20 PSF

WIND EXPOSURE C
V 109 MPH
I 1
Kzt 1
Kd 0.85

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. REINFORCEMENT 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".

CONCRETE:

1. REINFORCED CONCRETE IS DESIGNED IN ACCORDANCE WITH AND SHALL BE PLACED IN COMPLIANCE WITH PROVISIONS OF THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS:
 - A. ACI 304- RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING OF CONCRETE
 - B. ACI 318- BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE
 - C. CONCRETE REINFORCING STEEL INSTITUTE (CRSI) "MANUAL OF STANDARD PRACTICE."
2. CONCRETE MIX DESIGNS: CLASS A CONCRETE- AIR ENTRAINED MEETING THE FOLLOWING REQUIREMENTS:
 - A. SLUMP: 4" ± 1
 - B. MAXIMUM AGGREGATE SIZE: 3/4 INCH
 - C. MAXIMUM W/C RATIO: 0.462
 - D. AIR CONTENT = 5.5% ± 1%
3. MINIMUM CONCRETE COMPRESSIVE STRENGTH (F 'C) AT 28 DAYS:
FOOTINGS 4000 PSI

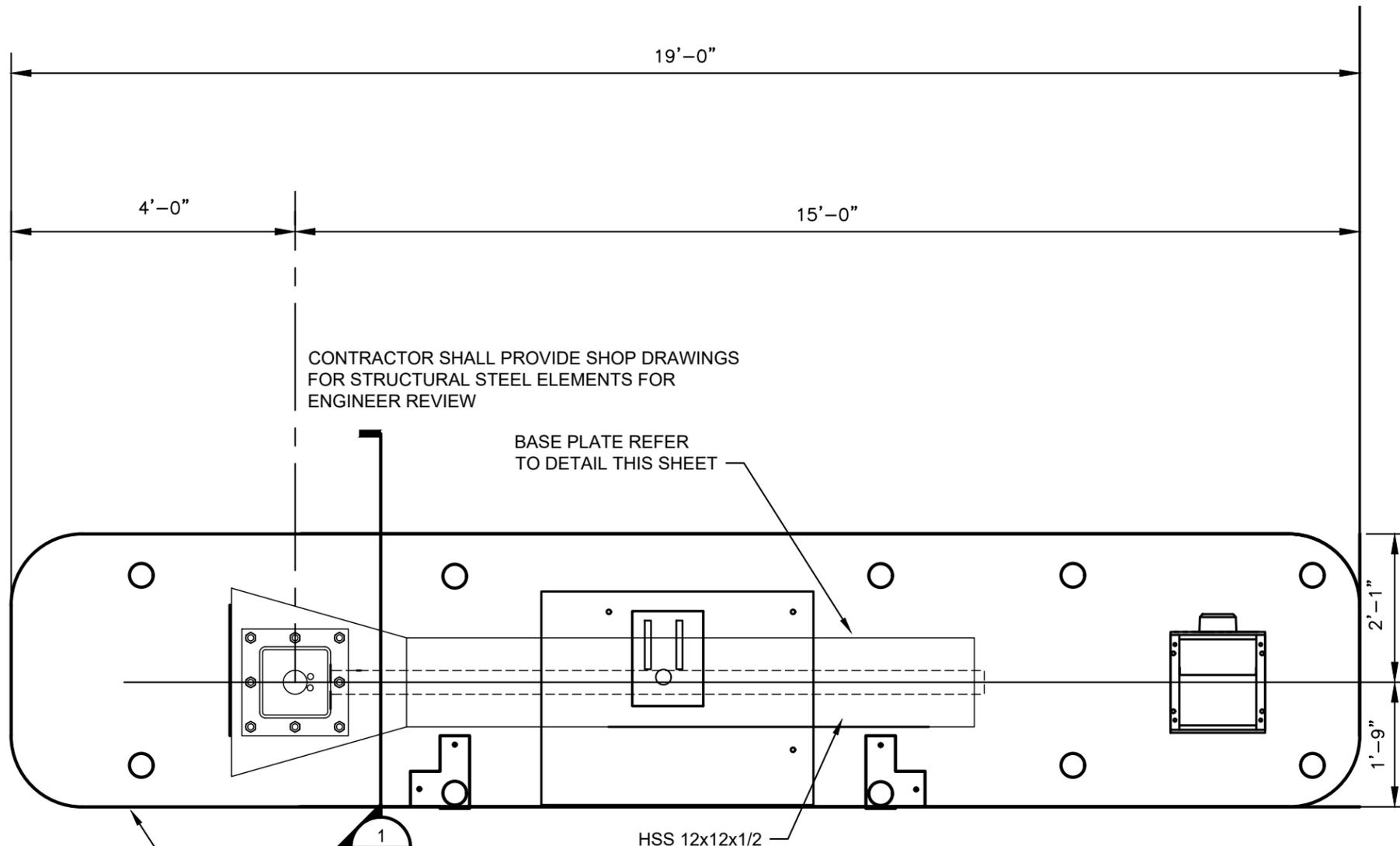
STEEL:

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," D1.1.
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 F1554 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.

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CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR STRUCTURAL STEEL ELEMENTS FOR ENGINEER REVIEW

BASE PLATE REFER TO DETAIL THIS SHEET

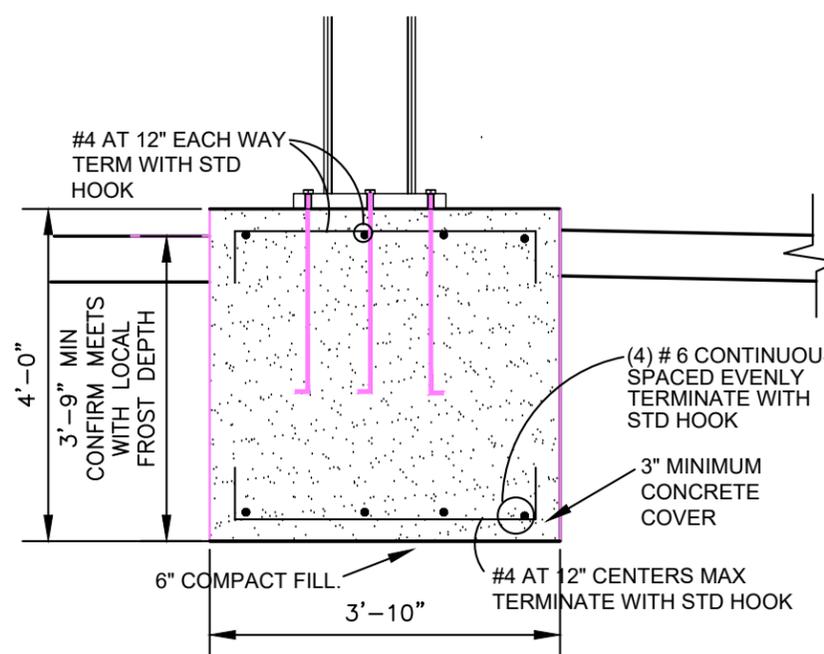
HSS 12x12x1/2

REFER TO SHEETS A-2 AND A-3 FOR FOUNDATION DETAILS

FOUNDATION PLAN

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

NOTE:
THREADED ANCHOR RODS TO PROJECT 5" ABOVE FINISH CONCRETE PROVIDE WITH 1 WASHER ,2 NUTS, AND STD HOOK COORDINATE PROJECTION WITH CANOPY SUPPLIER



1

SECTION 1

Scale: NOT TO SCALE

PROVIDE 2"Ø HOLE FOR ELEC CONDUIT

1x18"x1'-6" BASE PLATE WITH (8) 1"Ø F1554 THREADED ROD WITH WELDED NUT WITH 24" EMBEDMENT

HSS 12x12x1/2

1-1/2" TYP

1-1/2" TYP

18"

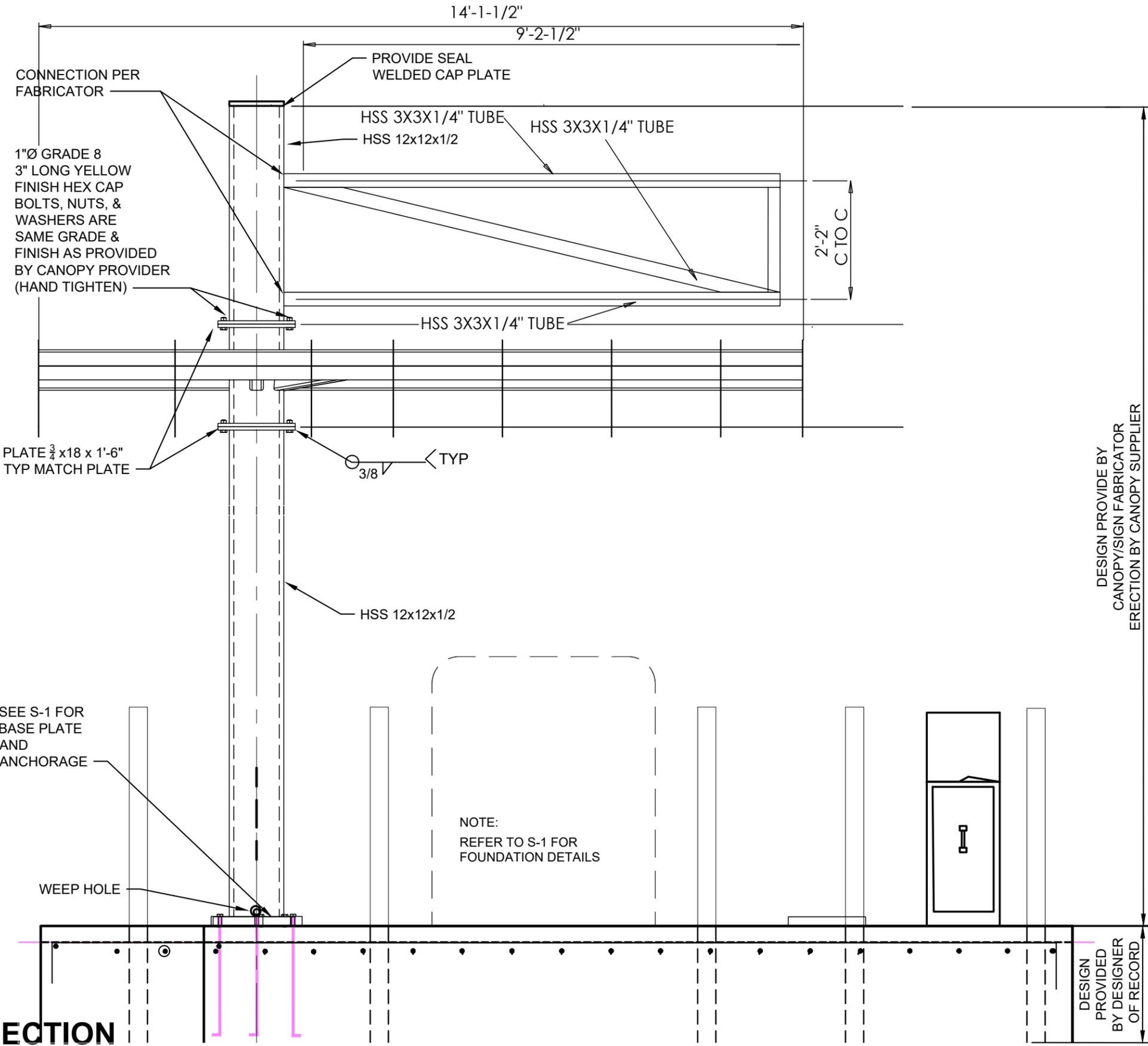
2

BASE PLATE DETAIL

Scale: NOT TO SCALE

Project No:	0210694.00	NA	JPB	REP	8/5/21
Book No:					
Drawn by:					
Reviewed:					
Date:					

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DESIGN PROVIDE BY
CANOPY/SIGN FABRICATOR
ERECTION BY CANOPY SUPPLIER

NOTE:
1. CONFIRM ALL DIMENSIONS
FIT WITH THE CUSTOMER
PROVIDED SIGNAGE AND
CANOPY REQUIREMENTS.

SEE S-1 FOR
BASE PLATE
AND
ANCHORAGE

WEEP HOLE

NOTE:
REFER TO S-1 FOR
FOUNDATION DETAILS

DESIGN
PROVIDED
BY DESIGNER
OF RECORD

A

SECTION

Scale: Not To Scale

Project No:	0210694.00	NA	JPB	REP	8/25/21
Book No:					
Drawn by:					
Reviewed:					
Date:					

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(1) 1-1/4"Ø CONDUIT FOR COMMUNICATIONS,
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
POWER WIRE WITH FOIL SHIELD AND DRAIN CABLE #91-051011-5262
INSTALL 1 ALARM CABLE - 22 GUAGE 4 CONDUCTOR WITH FOIL
SHEILD AND DRAIN CABLE #91-122043-6262

CONDUITS TO ELECTRICAL AND
COMMUNICATIONS SOURCE. REFER TO SITE
PLAN AND VERIFY WITH LOCAL UTILITY
COMPANIES AND CODES.

1-1/4"Ø CONDUIT FROM MILLBANK PEDESTAL
CONTAINING (2) 30A CIRCUIT TO CANOPY RISE
INSIDE COLUMN 8" FOR INSTALLATION

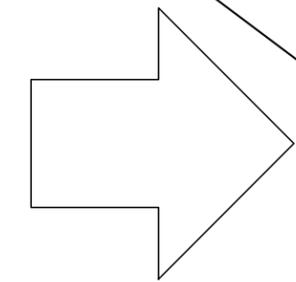
30"W x 36"D CLEAR
SPACE PER NEC
CRITERIA

MILLBANK PEDESTAL REFER TO
SHEET E-3 FOR DETAILS
CONTRACTOR TO INFORM
COMMERCE BANK REP OF LEAD
TIME
CONTRACTOR IS TO PROVIDE A
COMMUNICATION PANEL INSIDE
THE NEW PEDESTAL

REFER TO DETAIL 2
ON SHEET E-2

3/4" CONDUIT FOR DRAINAGE.

30"W x 36"D CLEAR
SPACE PER NEC
CRITERIA



DIRECTION OF TRAVEL

A.T.M. POWER PLAN

NO SCALE

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

Project No:	0210694.00	NA	REP	8/25/21
Book No:		JPB		
Drawn by:				
Reviewed:				
Date:				

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CIRCUIT BREAKER LOAD CENTER

TYPE: QO PANEL "LP1" 120/240 VOLTS, 1 PHASE, 3 WIRE, 20 POLES MAINS: 100 BUS, 100 BREAKER

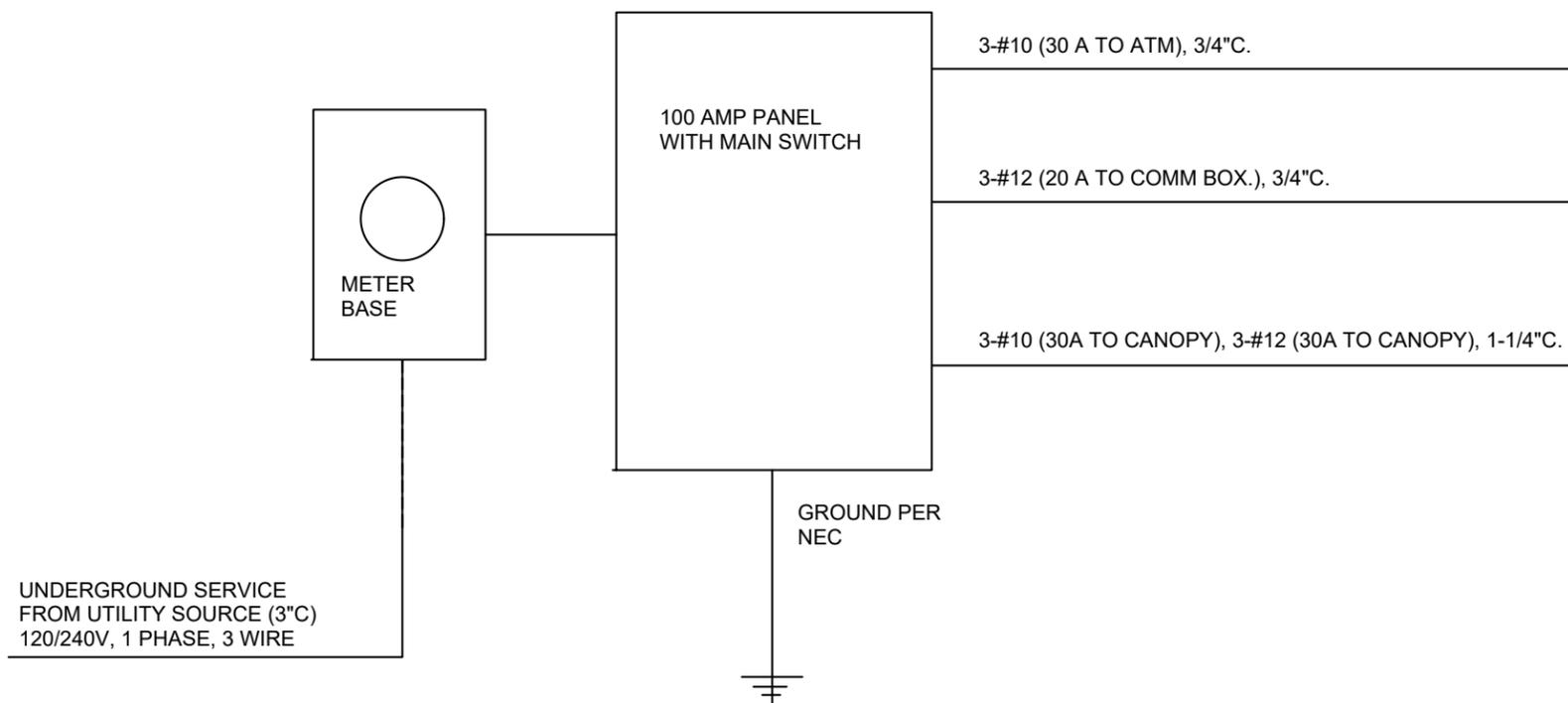
CIRCUIT NUMBERS	EQUIPMENT SERVED	CIRCUIT BREAKER		
		AMP	POLE	QUANTITY
1,3	CANOPY POWER	30	1	2
2	ATM POWER	30	1	1
4	SPACE	20	1	1
5	COMMUNICATION PANEL POWER	20	1	1
6,20	SPACES	---	1	15

NOTES:

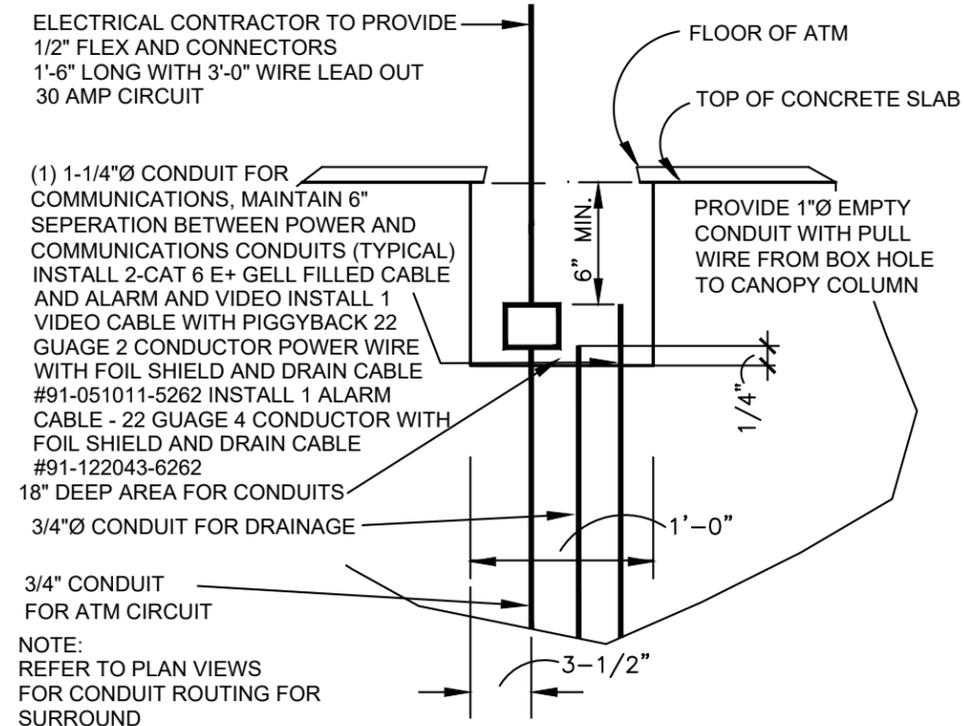
1. PROVIDE PANEL WITH NEMA 3R ENCLOSURE.
2. PROVIDE PANEL WITH SURGE SUPPRESSOR EQUAL TO SQUAE D MODEL SDSB1175C, VERIFY EXACT INSTALLATION REQUIREMENTS WITH MANUFACTURER.

ACCESSORIES:

- # HANDLE LOCK OFF
- * GROUND FAULT INTERRUPTER



1 ELECTRICAL RISER DIAGRAM
Scale: NOT TO SCALE



2 SECTION AT CONDUIT ENTRY
Scale: NOT TO SCALE

RV 1
CITY
COMMENTS
4-21-22

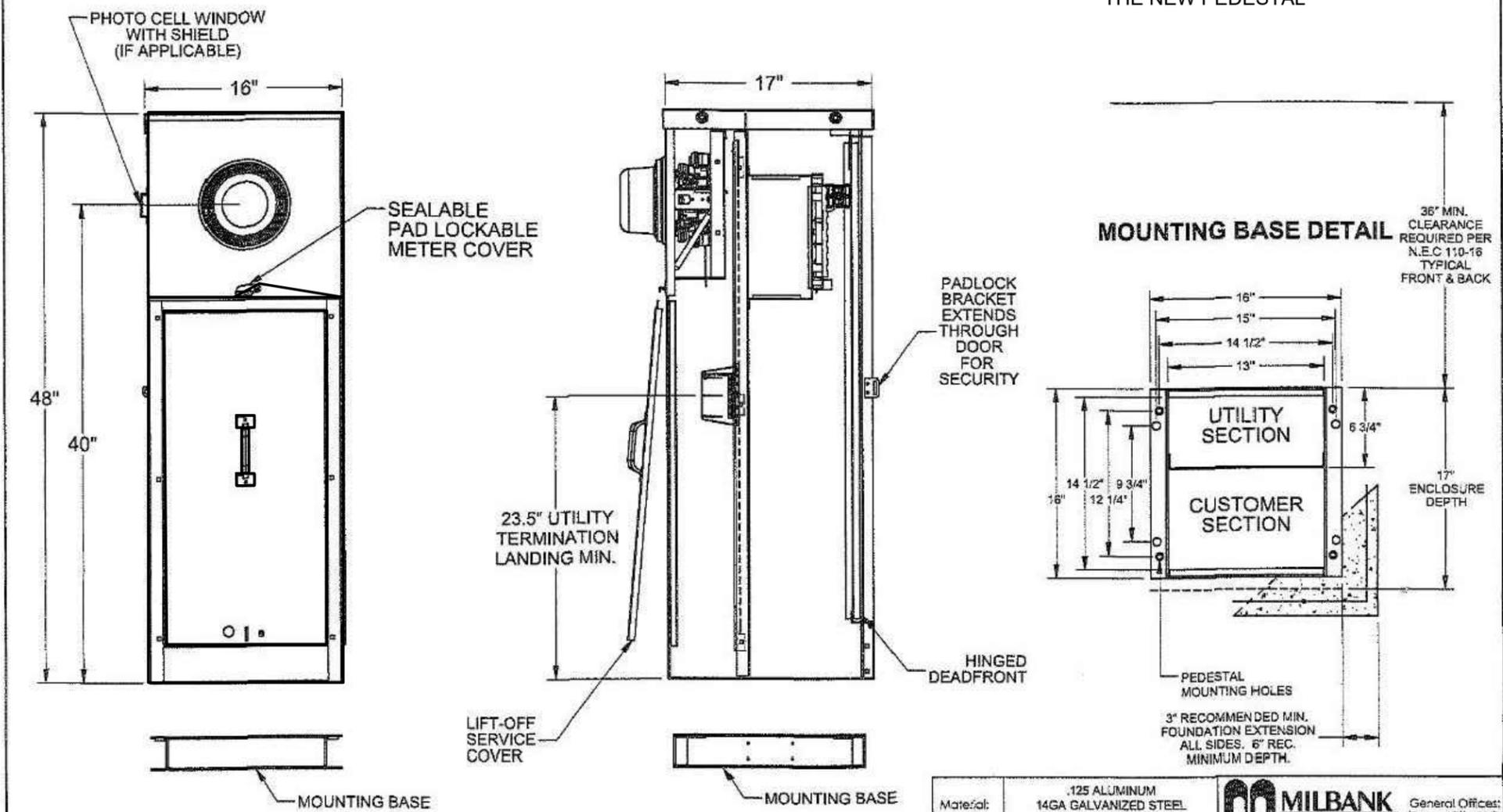
COMMERCE BANK
PROTOTYPE
ELECTRICAL DETAIL

Project No: 0210694.00
Book No: NA
Drawn by: JPB
Reviewed: REP
Date: 8/5/21

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16" COMMERCIAL PEDESTAL (EXPOSED METER)

CONTRACTOR IS TO PROVIDE A COMMUNICATION PANEL INSIDE THE NEW PEDESTAL



Material:		.125 ALUMINUM 14GA GALVANIZED STEEL 14GA STAINLESS STEEL		General Offices: Kansas City, MO	
Finish:					
Tolerances: Unless Specified Otherwise		Third Angle Projection		Title: 16" WIDE X 48" TALL P-Size NEMA 3R	
X.X ±.1				Catalog No.:	
X.XX ±.03				Ret:	
X.XXX ±.015				Drawing No. P-Size Outline	
X* ±2"		Scale: NTS		Date: 5-3-07 Sheet 1 of 2	
Checked By:		Approved By:			
Drawn By:					

**	02-19-09	PROTO TYPE	TB		
A	09-07-11	REMOVE ANCHOR BOLT WORDING ECR0001694	TB		

1 MILLBANK UTILITY PEDESTAL DETAIL

Scale: NOT TO SCALE