



OVERALL SITE PLAN

Owner/Developer ATM Unit

COMMERCE BANK
8000 FORSYTH SU 1300
CLAYTON, MO 63105
314-746-8571

Outboundary and Topo
Survey Info

FROM DOCUMENTS FURNISHED FROM
COMMERCE BANK

Site Information

ADDRESS 190 NW OLDHAM PARKWAY
LEES SUMMIT MO 64081
ZONING CP-2 PLANNED COMMUNITY COMMERCIAL
BUILDING SETBACKS 15' FROM ARTERIAL R.O.W.
SIDE YARD = 10' REAR YARD = 20'

General Notes

- ALL PAVING TO BE IN ACCORDANCE WITH THE CITY OF LEE'S SUMMIT STANDARDS AND SPECIFICATIONS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH ALL CITY OF LEE'S SUMMIT REGULATIONS AND CODES AND O.S.H.A. STANDARDS.
- CONTRACTOR SHALL REFER TO THE ARCHITECTURAL PLANS FOR EXACT LOCATIONS AND DIMENSIONS OF ISLANDS AND BANK EQUIPMENT
- NO NEW SANITARY OR STORM SEWERS ARE REQUIRED FOR THE ATM UNIT.
- NO NEW WATER OR GAS SERVICES ARE REQUIRED FOR THE ATM UNIT.
- CONTRACTOR TO MINIMIZE DISRUPTION TO EXISTING FACILITY AND COORDINATE CONSTRUCTION SCHEDULE WITH FACILITY MANAGER.
- ALL EXISTING IMPROVEMENTS ARE TO REMAIN UNLESS NOTED OTHERWISE.
- BACKFILL ALL UTILITY TRENCHES UNDER PAVEMENT WITH GRANULAR MATERIAL.
- ALL GRADING AND DRAINAGE SHALL CONFORM TO THE LATEST STANDARDS AND SPECIFICATIONS OF THE CITY OF LEE'S SUMMIT.
- ALL EXISTING PAVEMENT TO BE REMOVED SHALL BE SAWCUT. THE CONTRACTOR SHALL TAKE SPECIAL CARE TO CREATE A SMOOTH WORKING EDGE AND TO PLACE BACKFILL AND PAVEMENT SUCH THAT SETTLEMENT DOES NOT OCCUR. ALL NEW PAVEMENT TO MATCH EXISTING IN TYPE AND THICKNESS.
- THE CONTRACTOR SHALL REMOVE AND LEGALLY DISPOSE OF THOSE ITEMS THAT ARE TO BE REMOVED.
- THE CONTRACTOR SHALL PROTECT THOSE EXISTING IMPROVEMENTS THAT ARE TO REMAIN AGAINST DAMAGE AND SOILING DURING CONSTRUCTION.
- THE CONTRACTOR SHALL KEEP ALL ACCESS ROADS FREE FROM MUD AND DEBRIS AT ALL TIMES.
- UTILITIES SHOWN ARE FROM PAST DOCUMENTS. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES AND HAVE EXISTING UTILITIES MARKED IN THE FIELD PRIOR TO CONSTRUCTION AND NOTIFY ENGINEER OF ANY CONFLICTS.
- ALL SIGN LOCATIONS AND SIZES MUST BE APPROVED SEPARATELY THROUGH THE CITY OF LEE'S SUMMIT.
- ALL NEW UTILITIES SHALL BE LOCATED UNDERGROUND.
- NO SLOPES SHALL BE STEEPER THAN 3 (HORIZONTAL) TO 1 (VERTICAL).
- GRADED AREAS THAT ARE TO REMAIN BARE FOR OVER 2 WEEKS ARE TO BE SEEDED AND MULCHED PER DNR REQUIREMENTS.
- ALL EROSION CONTROL SYSTEMS ARE INSPECTED AND NECESSARY CORRECTIONS MADE WITHIN 24 HOURS OF ANY RAINSTORM RESULTING IN ONE-HALF INCH OF RAIN OR MORE.
- TRAFFIC CONTROL SHALL BE PER MUTCD.
- NO PARKING STALLS WILL BE LOST DUE TO ATM CONSTRUCTION.

Siltation and Erosion Control Note

THE CONTRACTOR SHALL ASSUME COMPLETE RESPONSIBILITY FOR CONTROLLING ALL SILTATION AND EROSION OF THE PROJECT AREA. THE CONTRACTOR SHALL USE WHATEVER MEANS NECESSARY TO CONTROL EROSION AND SILTATION INCLUDING, BUT NOT LIMITED TO, STAKED STRAW BALES AND/OR SILTATION FABRIC FENCES. CONTROL SHALL COMMENCE WITH THE CLEARING OPERATIONS AND BE MAINTAINED THROUGHOUT THE PROJECT UNTIL ACCEPTANCE OF THE WORK BY THE OWNER AND OR THE CITY OF LEE'S SUMMIT. THE CONTRACTOR'S RESPONSIBILITIES INCLUDE ALL DESIGN AND IMPLEMENTATION AS REQUIRED TO PREVENT EROSION AND THE DEPOSITING OF SILT. THE OWNER AND/OR THE CITY OF LEE'S SUMMIT MAY AT THEIR OPTION DIRECT THE CONTRACTOR IN HIS METHODS AS DEEMED FIT TO PROTECT PROPERTY AND IMPROVEMENTS. ANY DEPOSITING OF SILT OR MUD ON NEW OR EXISTING PAVEMENT SHALL BE REMOVED IMMEDIATELY. ANY DEPOSITING OF SILTS OR MUD IN NEW OR EXISTING STORM SEWERS OR SWALES SHALL BE REMOVED AFTER EACH RAIN AND AFFECTED AREAS CLEANED TO THE SATISFACTION OF THE OWNER AND/OR THE CITY OF LEE'S SUMMIT.

Civil Sheet Index

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ATM Sheet Index

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Farnsworth
GROUP

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Farnsworth Group, Inc.
Missouri State Certificate of Authority #001321
www.f-w.com
Engineers | Architects | Surveyors | Scientists

ISSUE:
DATE: DESCRIPTION:

Project Status
NOT FOR CONSTRUCTION

PROJECT:
Commerce Bank

New Atm Facility

190 NW Oldham Parkway Lees
Summit Missouri

DATE: 11/21/2022

DESIGNED: JPB

DRAWN: JPB

REVIEWED: JK

FIELD BOOK NO.: NA

SHEET TITLE:

OVERALL SITE PLAN

SHEET NUMBER:

C1.0

PROJECT NO.: 022



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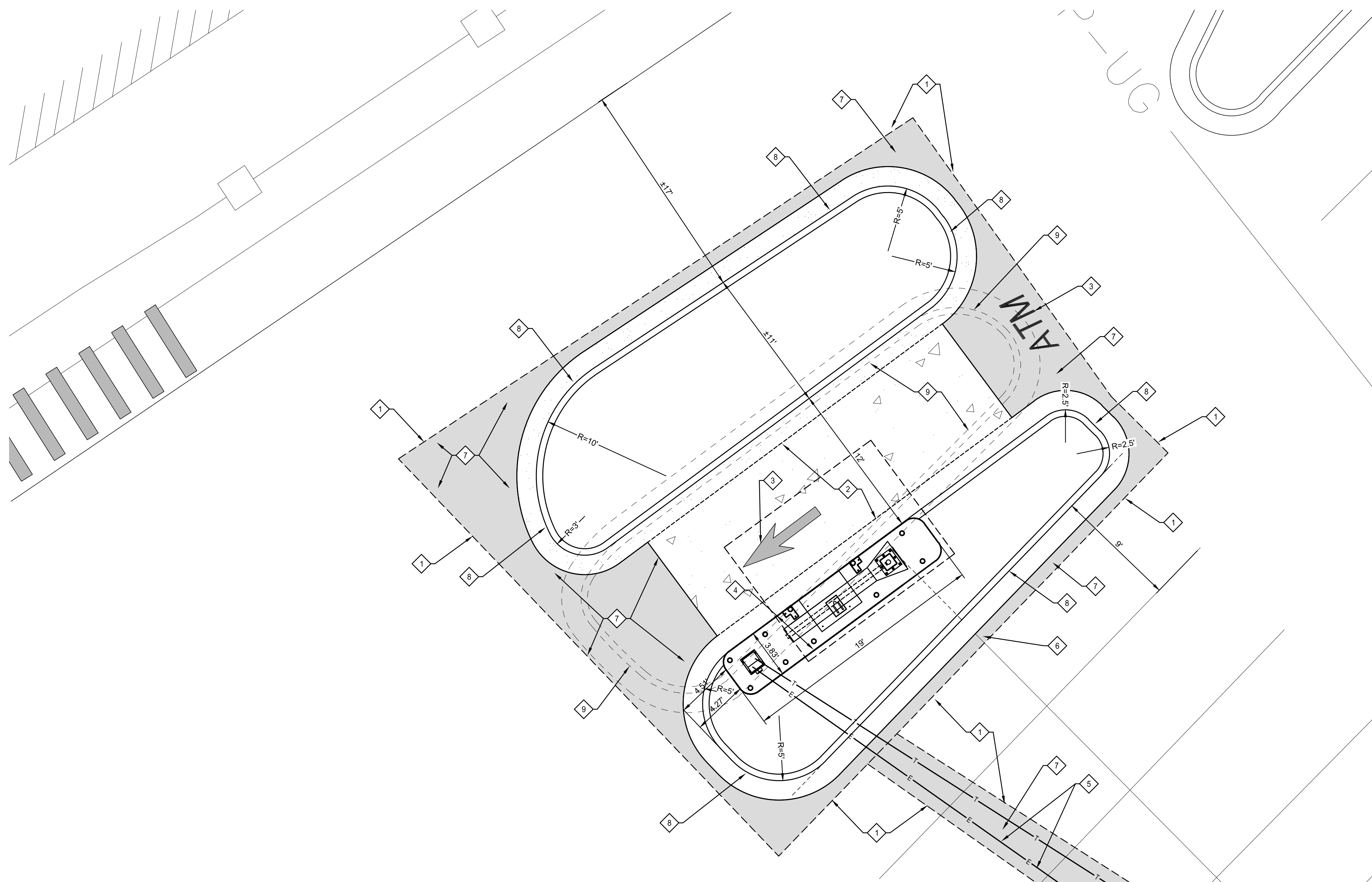
SHEET TITLE

DETAIL SITE PLAN

SHEET NUMBER

C1.1

PROJECT NO.: 022



DETAIL SITE PLAN

Keyed Notes

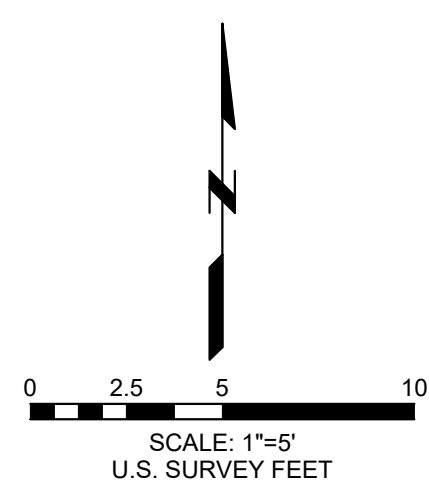
1. SAWCUT AND REMOVE EXISTING ASPHALT PAVEMENT REPLACE WITH NEW PAVEMENT, REFER TO DETAILS ON SHEET C2.0.
2. NEW CONCRETE PAVEMENT, REFER TO DETAIL 1 ON SHEET C2.0.
3. NEW PAVEMENT MARKINGS, REFER TO DETAIL 4 ON SHEET C2.0.
4. NEW ATM ISLAND REFER TO A SHEETS FOR DETAILS.
5. NEW POWER AND COMMUNICATION 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.

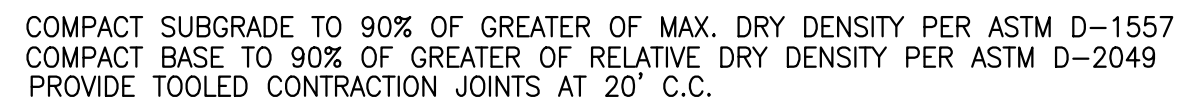
Note

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.

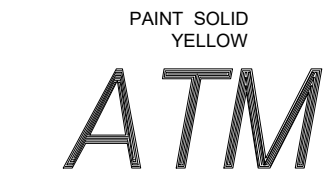
Grading and Formwork Note

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 REPLACEMENT OF ANY CONCRETE. IT IS THE INTENT OF THE ENGINEER TO MATCH THE EXISTING GRADING PATTERN WITH THE NEW ATM LAYOUT.

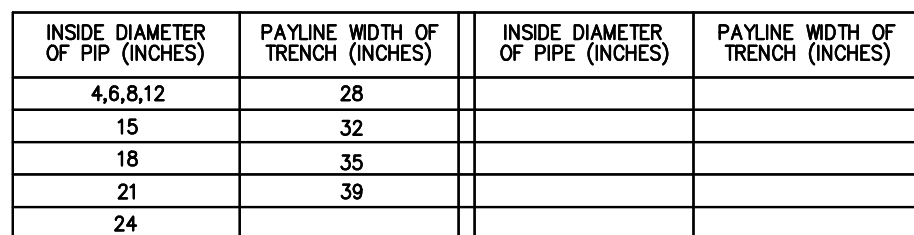




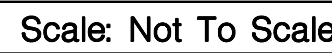
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COMMERCE BANK SINGLE POLE CANOPY ATM PROTOTYPE ISLAND

(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.

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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)

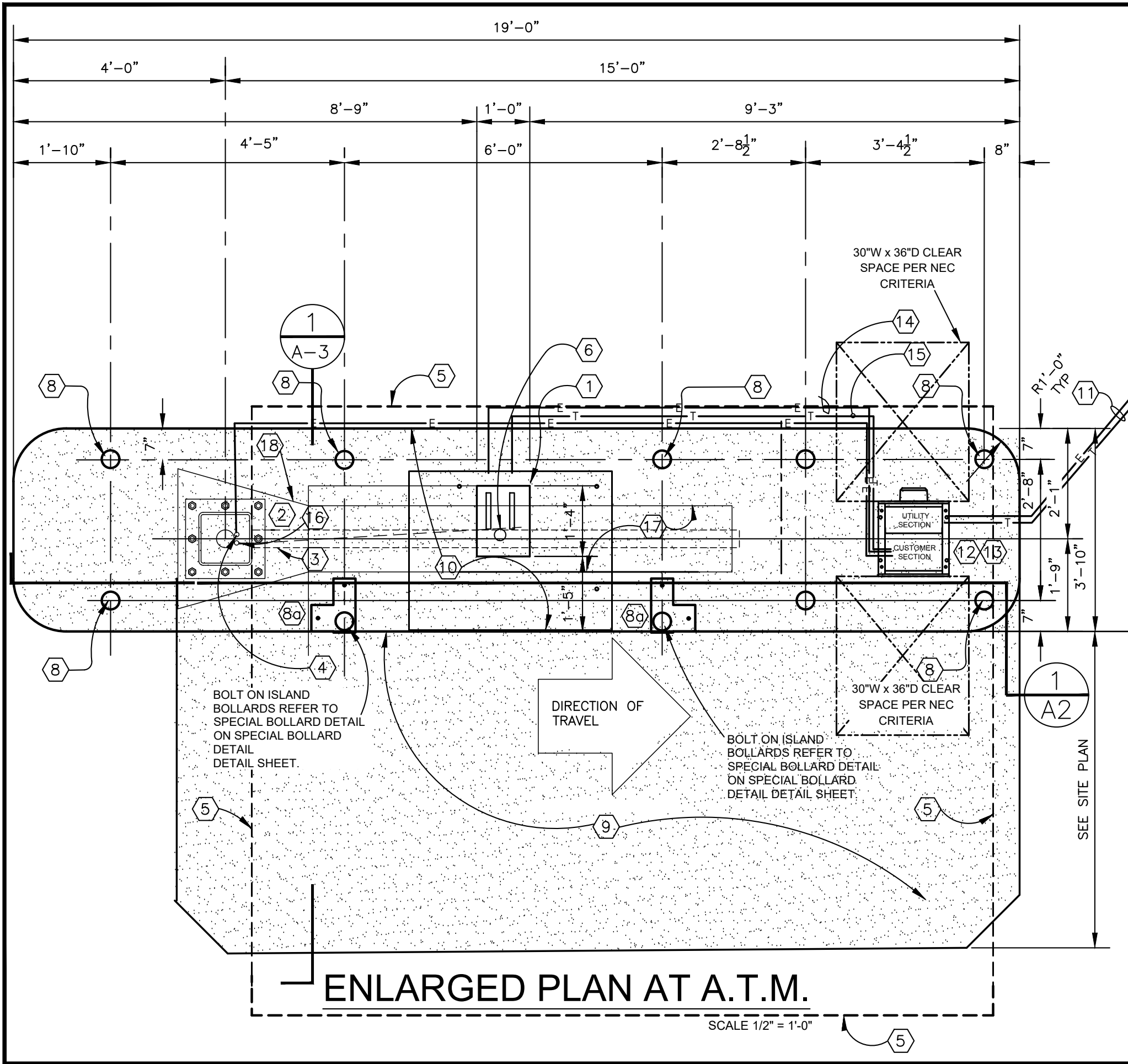


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COMMERCE BANK
PROTOTYPE
GENERAL NOTES

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

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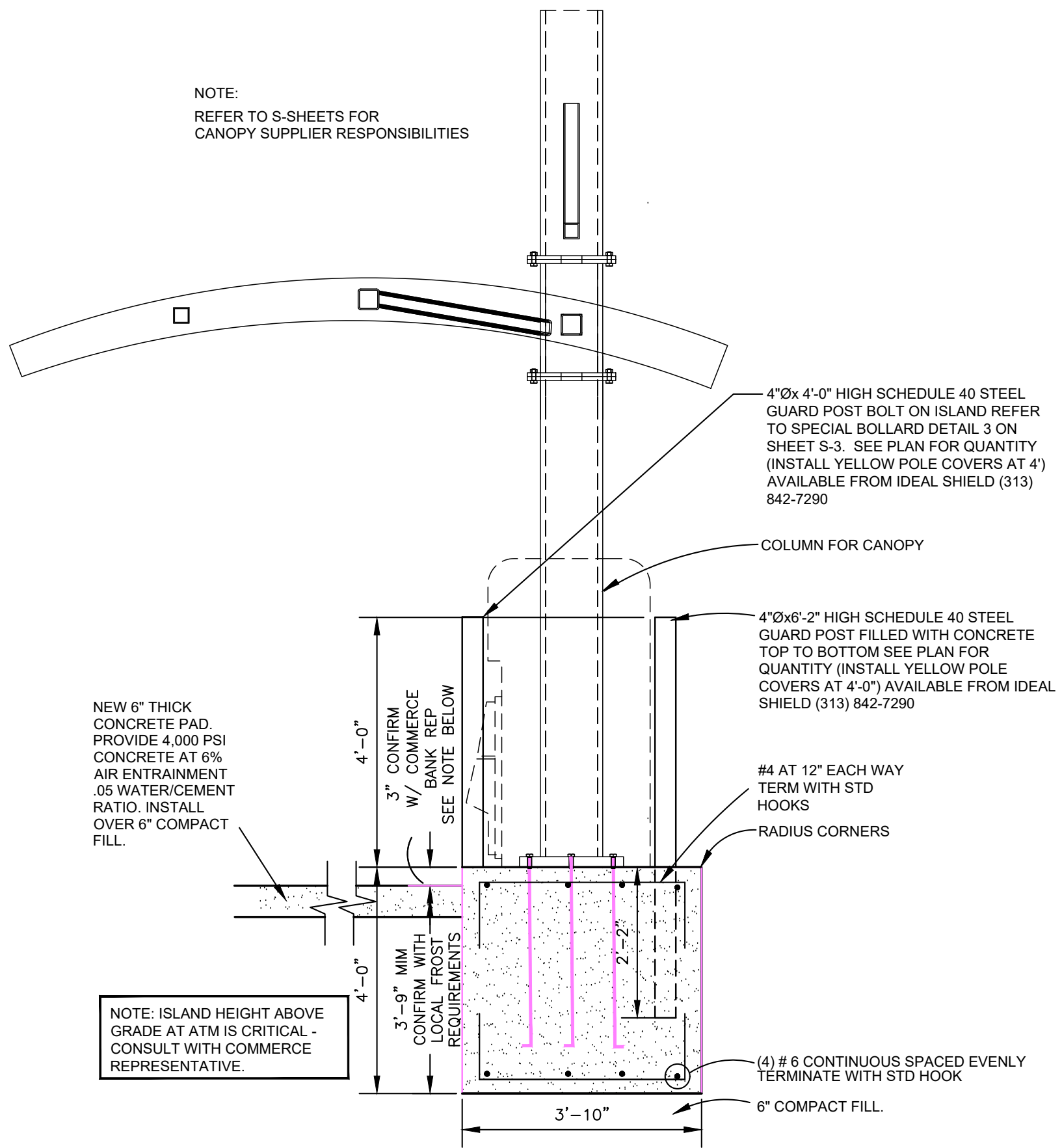


KEYED NOTES

- 12"x16"x18" DEEP BOXED HOLE. PROVIDE CONDUITS FOR COMMUNICATIONS AND ELECTRICAL AS REQUIRED-SEE DETAIL 2 ON SHEET E-2.
- PROVIDE POSITIVE DRAINAGE AWAY FROM WEEPS.
- NEW CANOPY COLUMN AND SHROUD FROM CANOPY SUPPLIER BY COMMERCE BANK CONTRACTOR
- 1-1/4"Ø CONDUIT FROM BREAKER BOX CONTAINING (2) 30A CIRCUIT TO CANOPY RISE INSIDE COLUMN 8" FOR INSTALLATION
- NEW CANOPY COORDINATE WITH CANOPY SUPPLIER AND COMMERCE BANK REP BY COMMERCE BANK CONTRACTOR
- 3/4" CONDUIT FOR DRAINAGE.
- NOT USED.
- 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 SHOWN INTO FRESHLY PLACED CONCRETE.
- 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.
- PROVIDE 6"THICK REINFORCED CONCRETE PAD ON 6" COMPACTED FILL.
- NEW CONCRETE ISLAND (REFER TO A SHEETS FOR DETAILS)
- CONDUITS TO ELECTRICAL AND COMMUNICATIONS SOURCE. REFER TO SITE PLAN AND VERIFY WITH LOCAL UTILITY COMPANIES AND CODES.
- PROVIDE (2) WATERTIGHT CONNECTIONS FOR 100A ELECTRICAL SERVICE TO ELECTRIC PEDESTAL BOX AND COMMUNICATIONS LINES. BY COMMERCE BANK CONTRACTOR
- ELECTRICAL FOR 100A SERVICE SHALL HAVE SURGE PROTECTOR AND WATERTIGHT INSTALLATION. PEDESTAL SHALL HAVE 115 VOLT OUTLET INSIDE BY COMMERCE BANK CONTRACTOR
- (1) 3/4"Ø CONDUIT FOR (1) 30A CIRCUIT FOR ATM
- (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 SHIELD AND DRAIN CABLE #91-122043-6262
- (1) 1"Ø EMPTY CONDUIT WITH PULL WIRE.
- COMMERCE BANK LOGO PANEL.
- APPRX LOCATION OF COLUMNS COVER, TO BE COORDINATED WITH CANOPY SUPPLIER.

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NOTE:
REFER TO S-SHEETS FOR
CANOPY SUPPLIER RESPONSIBILITIES



NEW 6" THICK
CONCRETE PAD.
PROVIDE 4,000 PSI
CONCRETE AT 6%
AIR ENTRAINMENT
.05 WATER/CEMENT
RATIO. INSTALL
OVER 6" COMPACT
FILL.

NOTE: ISLAND HEIGHT ABOVE
GRADE AT ATM IS CRITICAL -
CONSULT WITH COMMERCE
REPRESENTATIVE.

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

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 AT 12" EACH WAY
TERM WITH STD
HOOKS

RADIUS CORNERS

(4) # 6 CONTINUOUS SPACED EVENLY
TERMINATE WITH STD HOOK

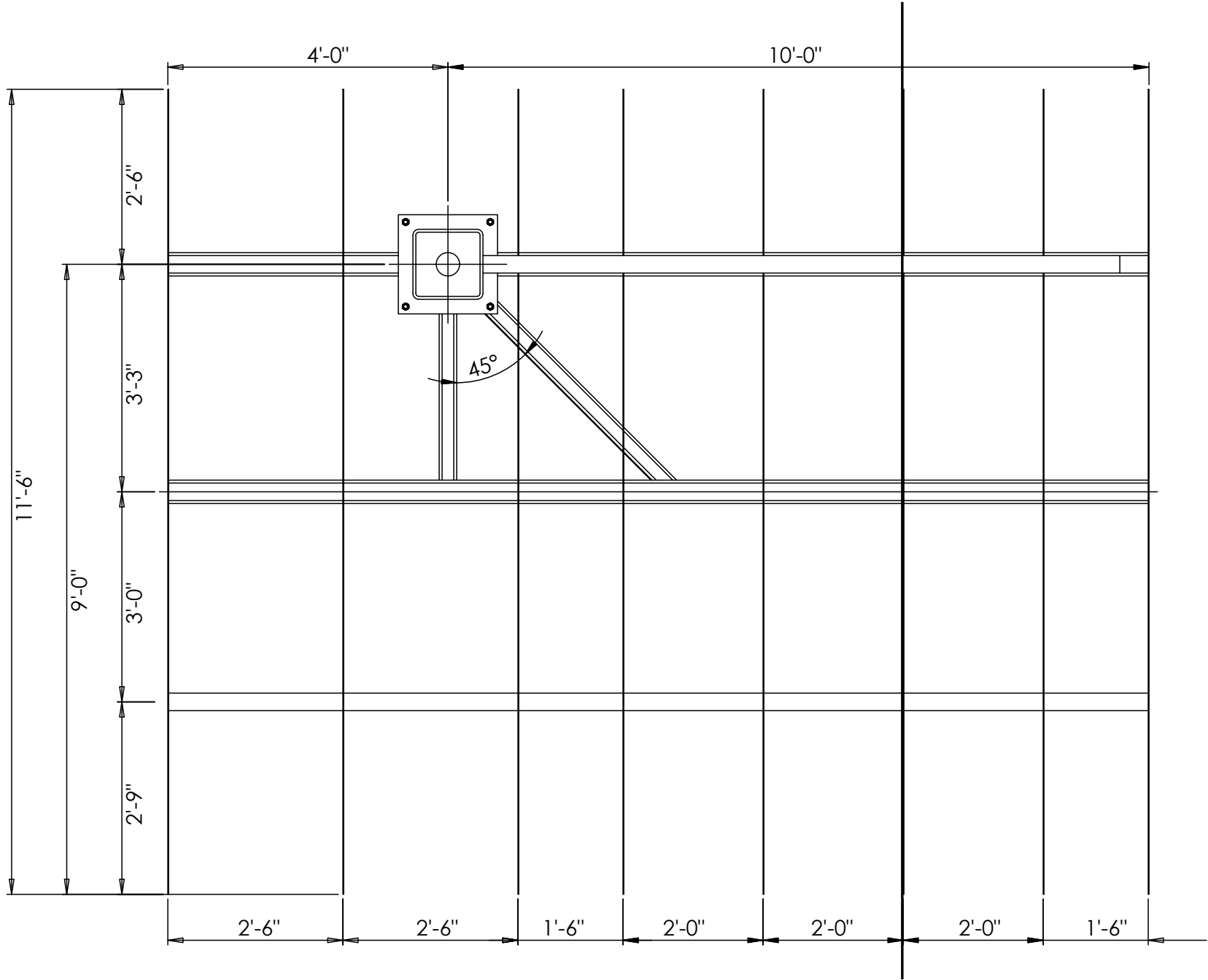
6" COMPACT FILL.

1

SECTION THRU ISLAND

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CANOPY ROOF PLAN

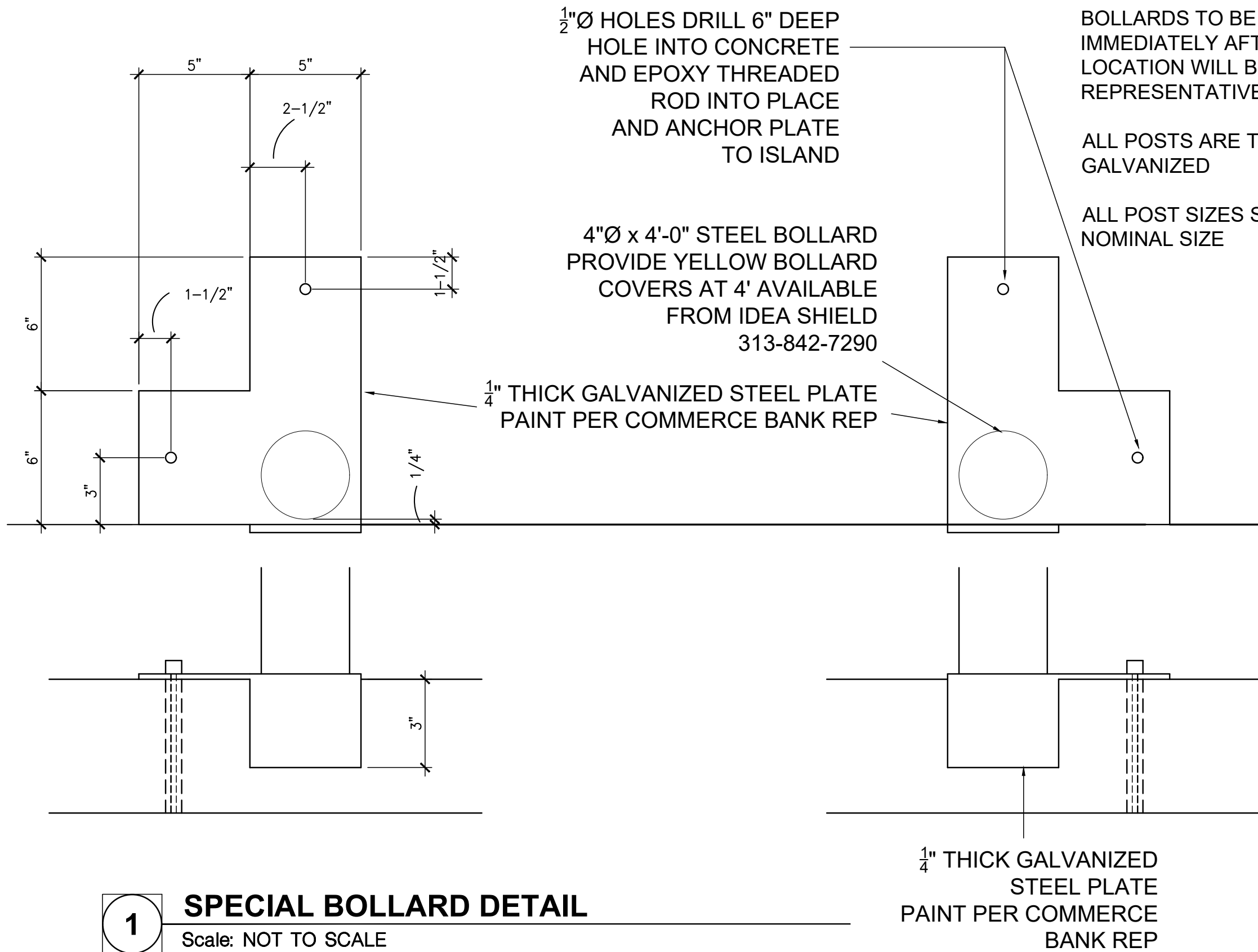
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NOTE:

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.

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SPECIAL BOLLARD DETAIL

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COMMERCE BANK
PROTOTYPE
ATM DETAILS

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

BOLLARD

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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 ATTENT ION 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. 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".

CONCRETE:

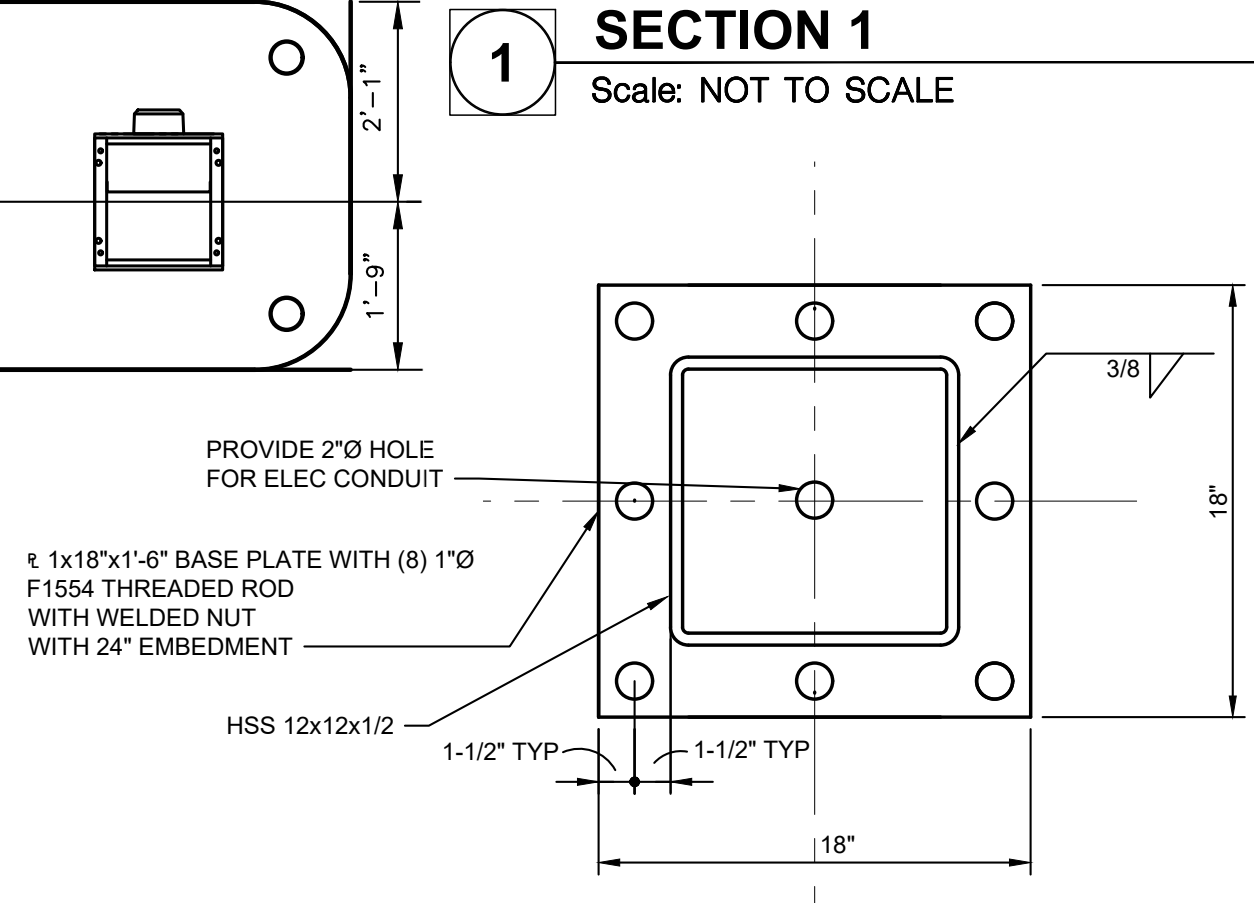
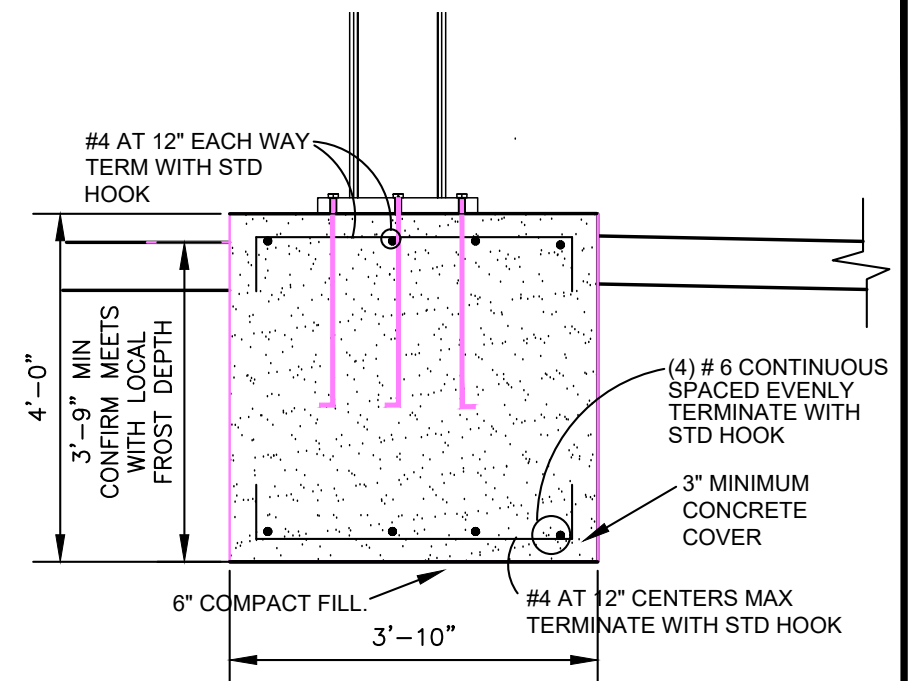
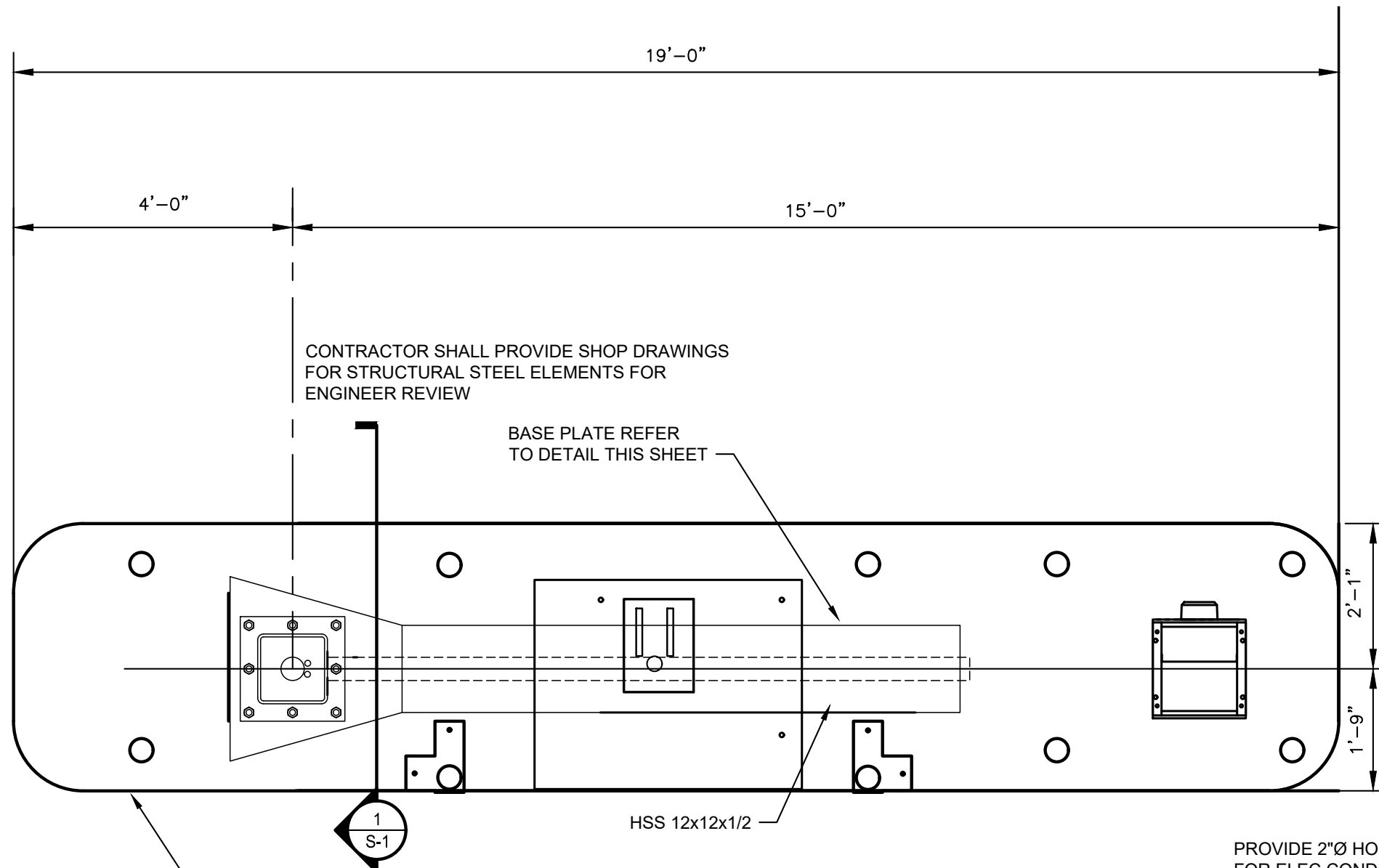
- 1. REINFORCED CONCRETE IS DESIGNED IN ACCORDANCE WITH AND SHALL BE PLACED IN COMPLIANCE WITH PROVISIONS OF THE FOLLOWING CODES, SPECIFICATIONS, AND STANDARDS:
 - A. ACI 304- RECOMMENDED PRACTICE FOR MEASURING, MIXING, TRANSPORTING, AND PLACING OF CONCRETE
 - B. ACI 318- BUILDING CODE REQUIREMENTS FOR 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," 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.



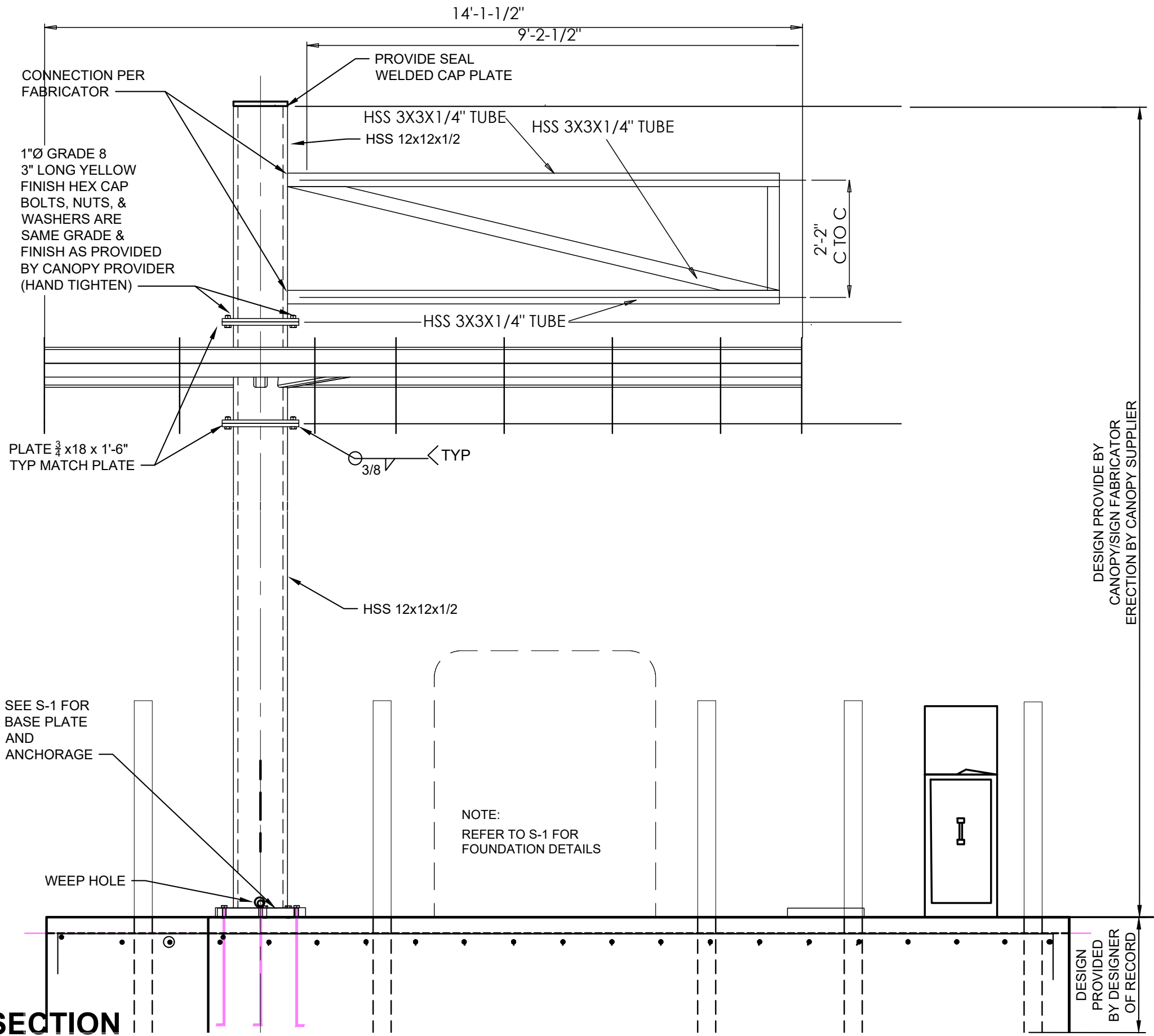
NOTE:
THREADED ANCHOR RODS TO PROJECT 5"
ABOVE FINISH CONCRETE PROVIDE WITH
1 WASHER, 2 NUTS, AND STD HOOK COORDINATE
PROJECTION WITH CANOPY SUPPLIER

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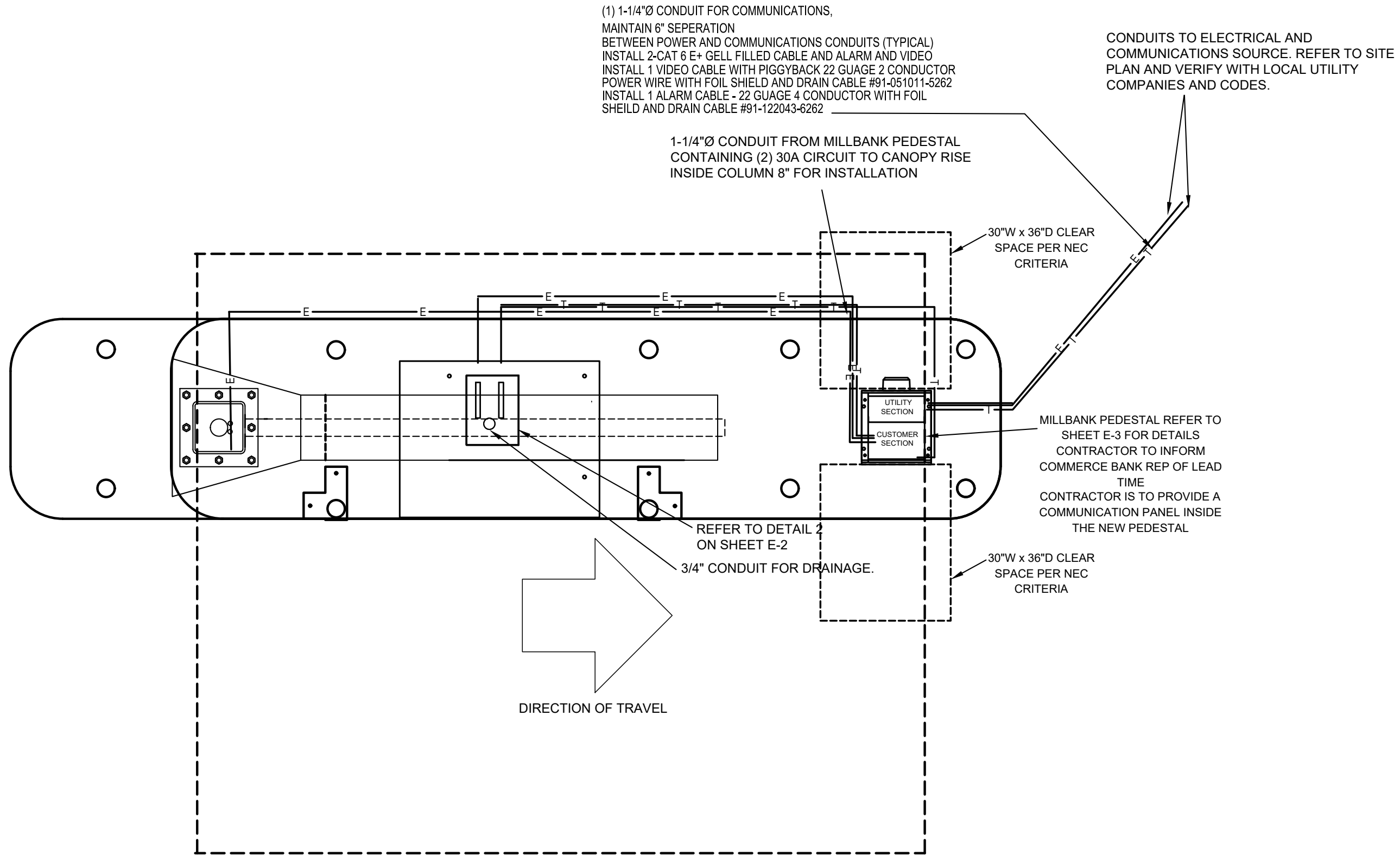
SECTION

Scale: Not To Scale



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

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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



20 ALLEN AVENUE, SUITE 200
ST LOUIS, MISSOURI 63119
(314) 962-7900 / info@f-w.com

COMMERCE BANK
PROTOTYPE
ATM POWER PLAN

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

E-1

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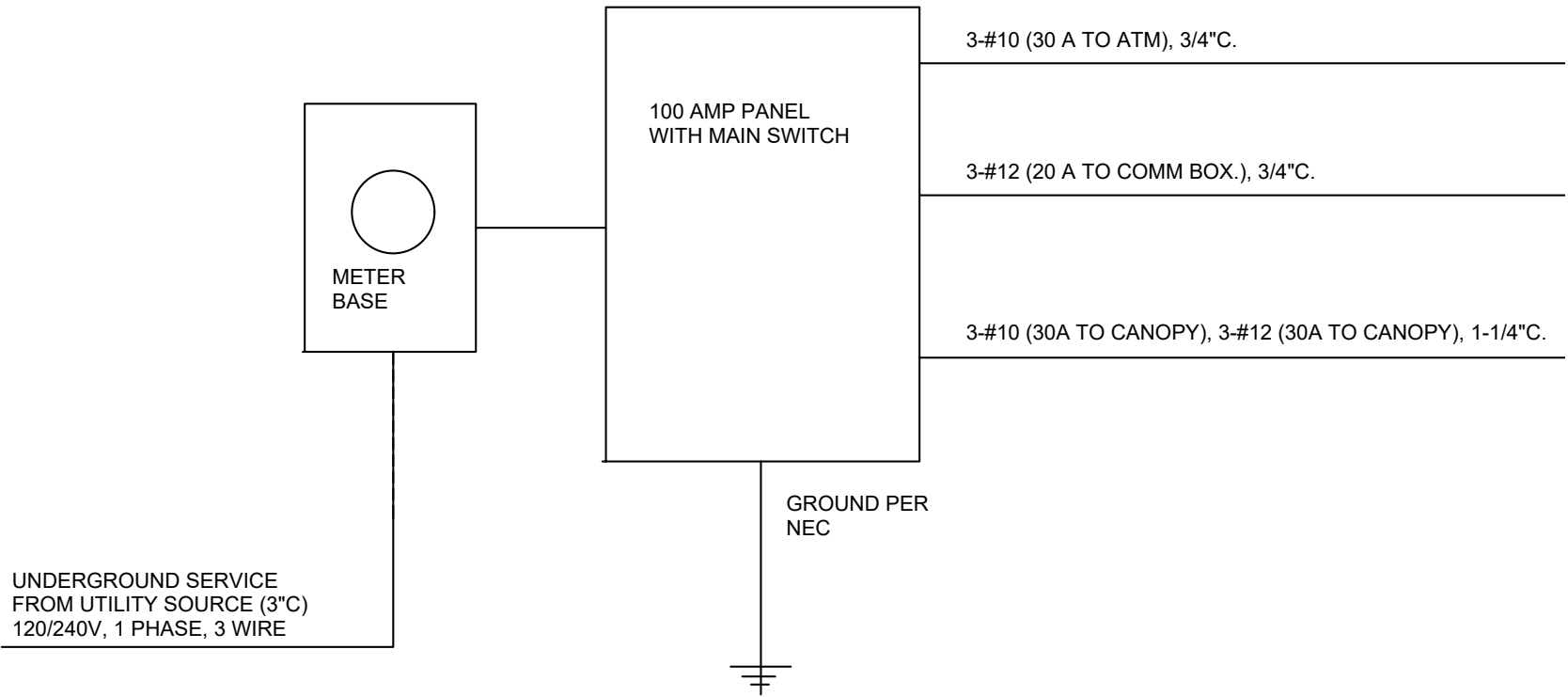
CIRCUIT BREAKER LOAD CENTER

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

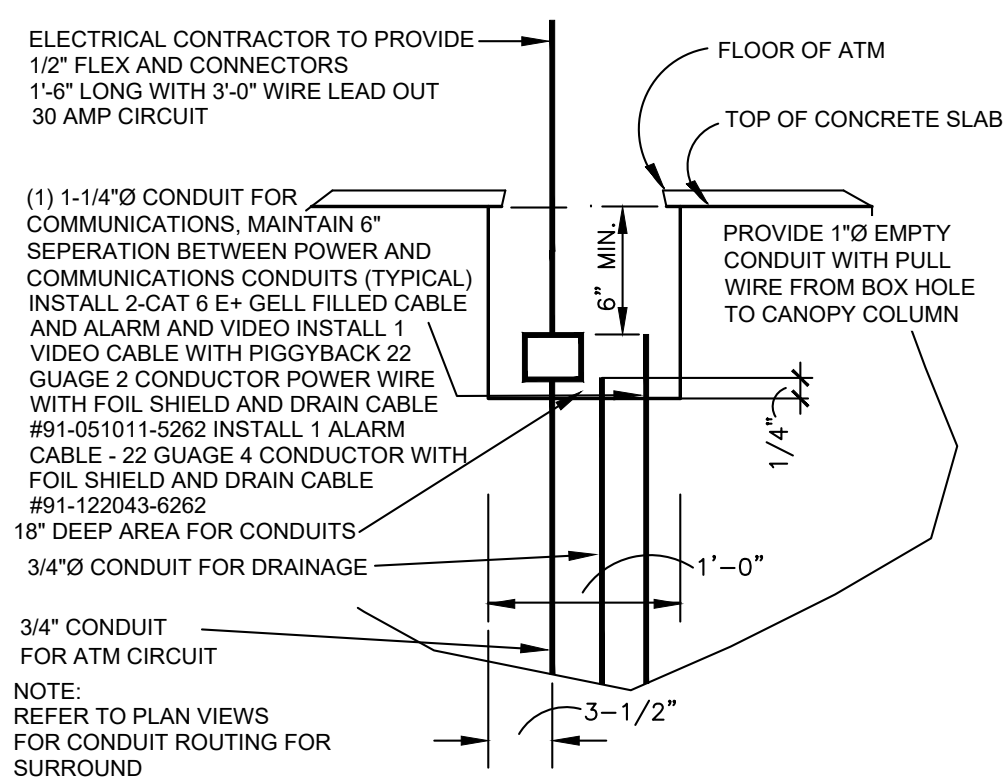
CIRCUIT NUMBERS	EQUIPMENT SERVED	CIRCUIT BREAKER		
		AMP	POLE	QUANTITY
1,3	CANOPY POWER	30	1	2
2	ATM POWER	30	1	1
4	SPACE	20	1	1
5	COMMUNICATION PANEL POWER	20	1	1
6,20	SPACES	---	1	15

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

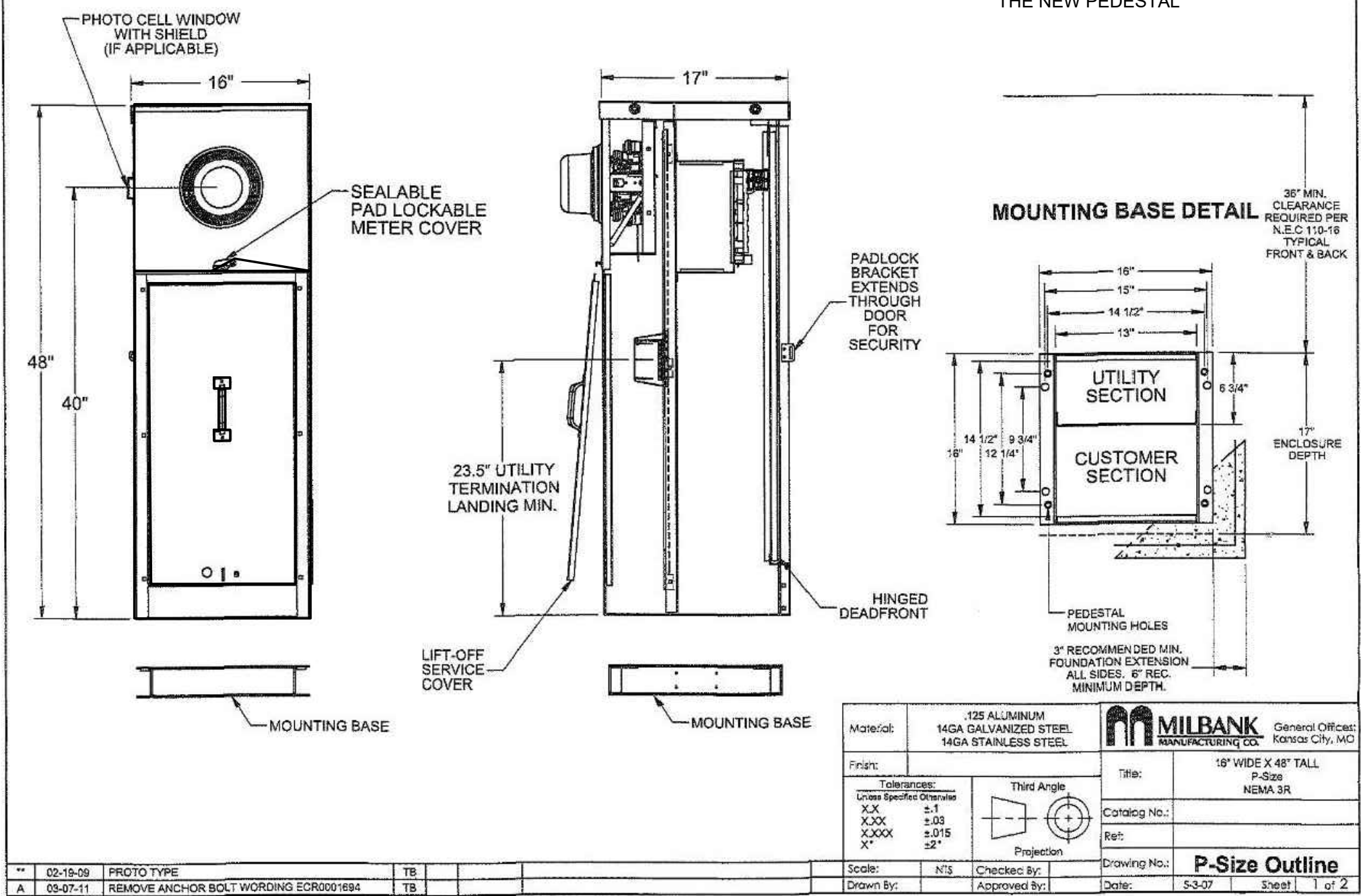


2 SECTION AT CONDUIT ENTRY
Scale: NOT TO SCALE

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**16" COMMERCIAL PEDESTAL
(EXPOSED METER)**

CONTRACTOR IS TO PROVIDE A
COMMUNICATION PANEL INSIDE
THE NEW PEDESTAL



1

MILLBANK UTILITY PEDESTAL DETAIL

Scale: NOT TO SCALE