

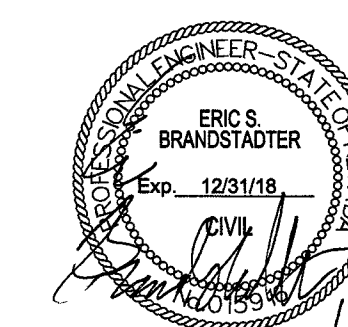


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PROJECT NO.	DRAWN BY	CHECKED BY
199064.4006	SRB	LEW

0	11/12/18	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



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SITE ADDRESS

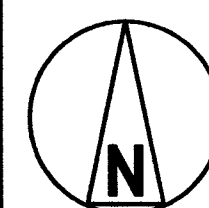
33TM0204SMC
VG0006BA_61LAB
1296.25 S 10TH ST
LAS VEGAS, NV 89104
SMALL CELL

SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

A-1



OVERALL SITE PLAN

NO SCALE

1

THIS DRAWING IS
NOT A SITE SURVEY

THE PURPOSE OF THIS DRAWING IS
TO SHOW HOW THE DEVELOPED SITE
RELATES TO THE PARENT PARCEL
AND ADJACENT PROPERTIES.

1245 S 10TH ST

APN
162-03-512-062



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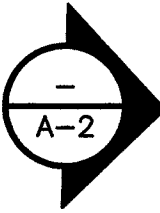
33TM0204SMC
VG0006BA_61LAB
1296.25 S 10TH ST
LAS VEGAS, NV 89104
SMALL CELL

SHEET TITLE

ENLARGED SITE PLAN

SHEET NUMBER

A-1.1



PROPOSED POWER ROUTE
INSIDE EXISTING CONDUIT
(DRAWN PER LV ARC GIS)

EXISTING GAS
LINE (TYP)

EXISTING
RIGHT-OF-WAY (TYP)

EXISTING NEAREST
STRUCTURE

PROPOSED EQUIPMENT MOUNTED TO
EXISTING STREETLIGHT POLE #19065

PROPOSED FIBER INSIDE
PROPOSED CONDUIT

PROPOSED
HANDHOLE

8
D-1

EXISTING ELECTRIC
LINE (TYP)

EXISTING WATER
LINE (TYP)

EXISTING CENTERLINE
OF ROAD (TYP)

EXISTING WATER
VAULT (TYP)

EXISTING
SEWER LINE (TYP)

EXISTING
SEWER MANHOLE

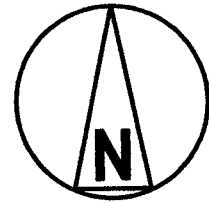
FRANKLIN AVE

EXISTING SIDEWALK (TYP)

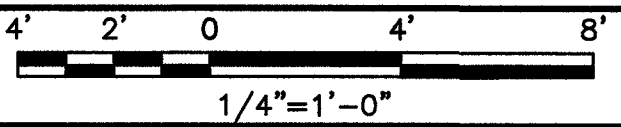
EXISTING CURB (TYP)

EXISTING TREE (TYP)

EXISTING CHAIN-LINK
FENCE (TYP)



ENLARGED SITE PLAN



1

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S 10TH STREET

EXISTING CURB (TYP)

EXISTING SIDEWALK (TYP)

22'-11"
EXISTING PEDESTAL TO CENTERLINE

23'-0"±
PROPOSED PEDESTAL TO CENTERLINE

7'-4"±

5'-0"

EXISTING BUILDING (TYP)

EXISTING TREE (TYP)

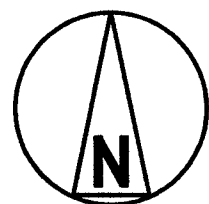
EXISTING METER PEDESTAL
#401627 (TO BE REMOVED
PER CITY OF LAS VEGAS)

PROPOSED 200A
METER PEDESTAL

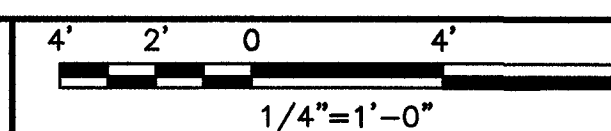
PROPOSED
CONCRETE CAP

PROPOSED POWER ROUTE
INSIDE EXISTING CONDUIT
(DRAWN PER LV ARC GIS)

1145 S 10TH ST



ENLARGED SITE PLAN



1



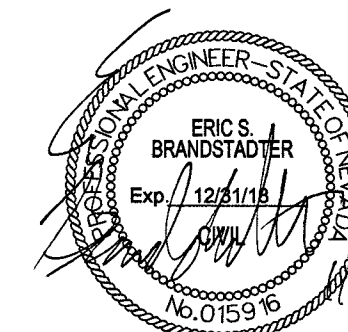
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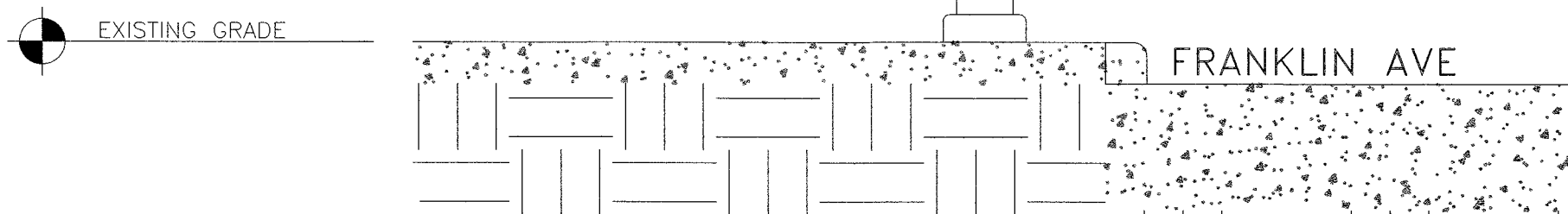
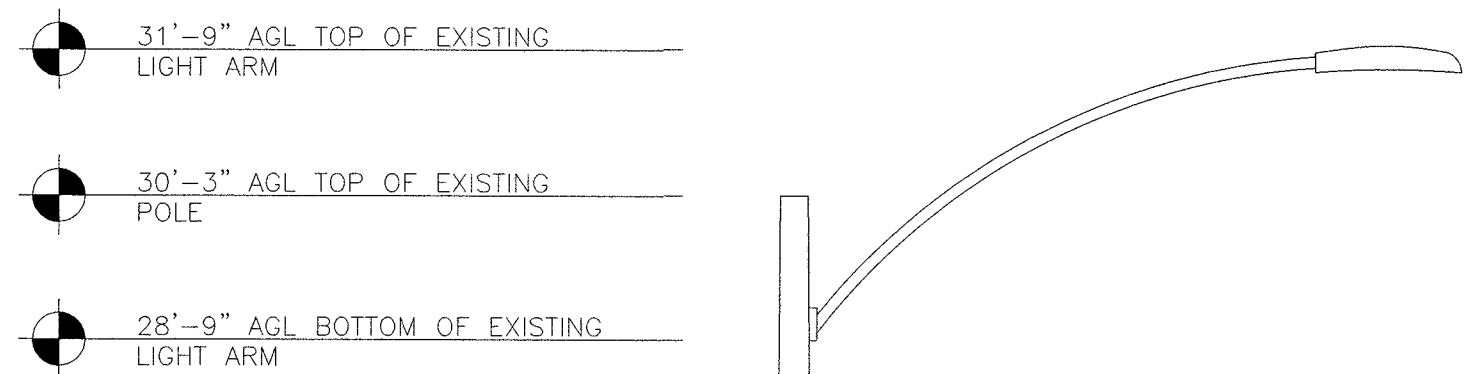
33TM0204SMC
VG0006BA_61LAB
1296.25 S 10TH ST
LAS VEGAS, NV 89104
SMALL CELL

SHEET TITLE

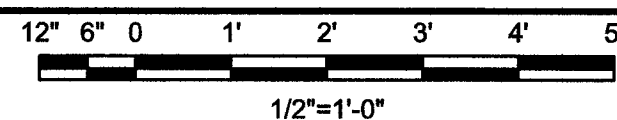
ENLARGED SITE PLAN

SHEET NUMBER

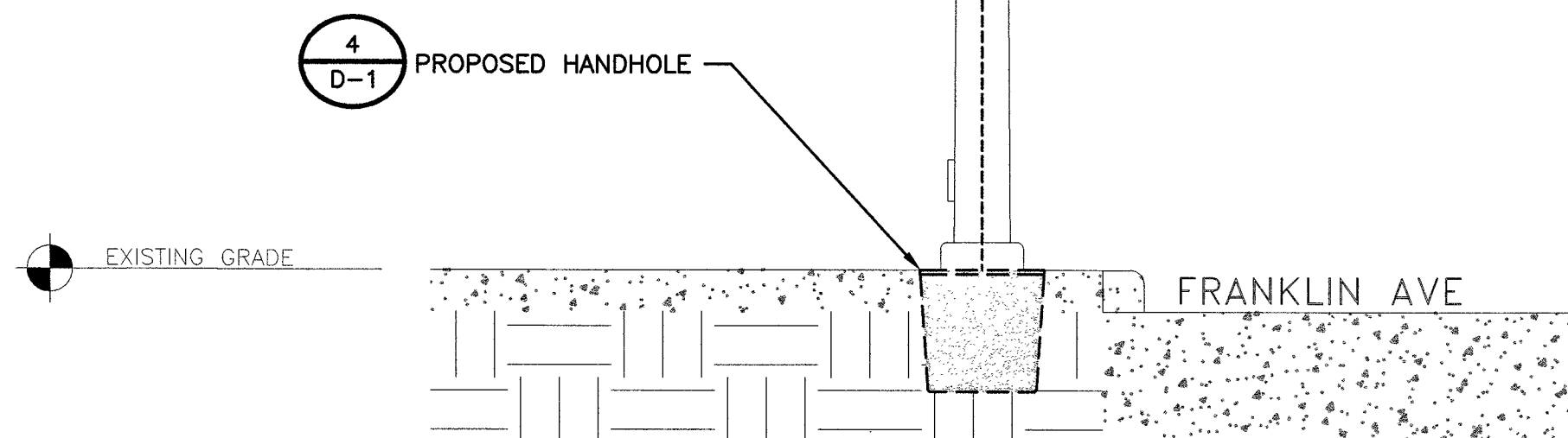
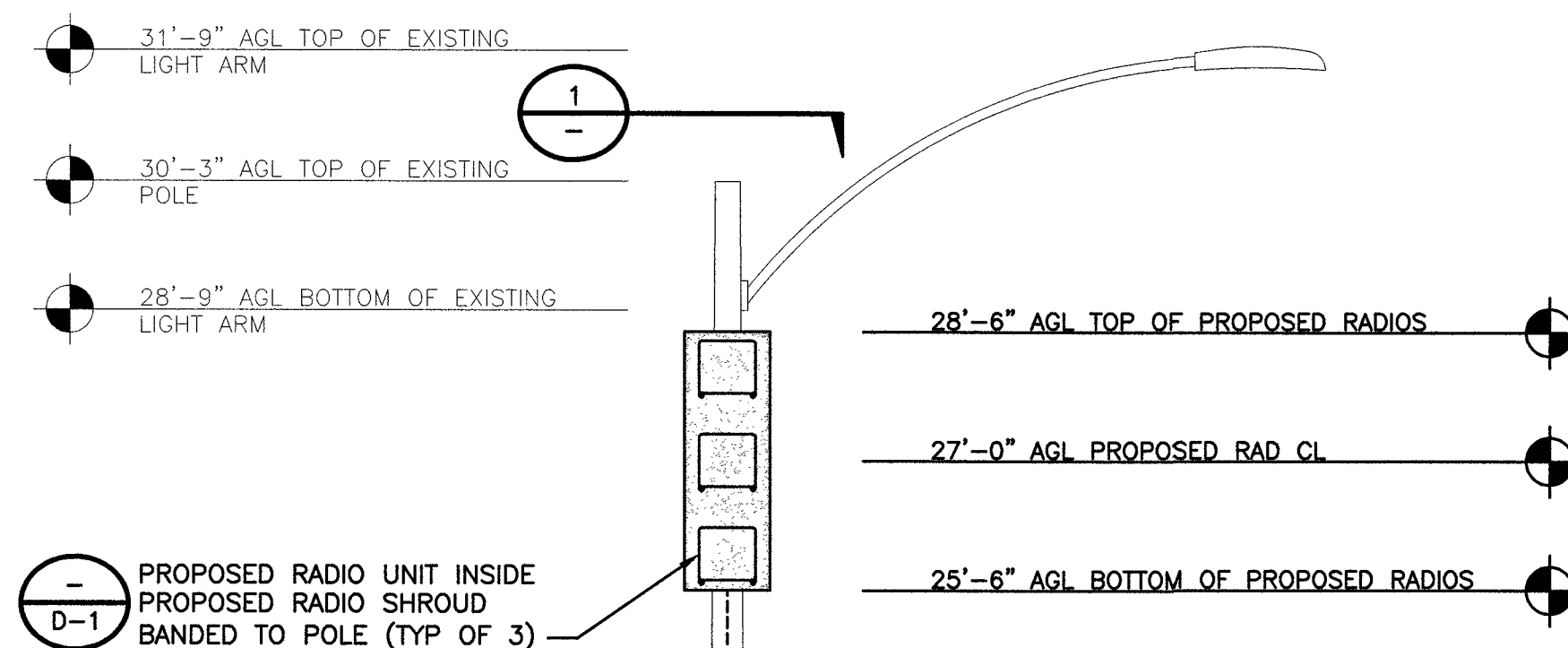
A-1.1



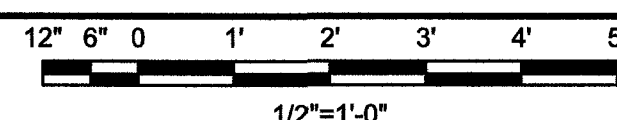
EXISTING WEST ELEVATION



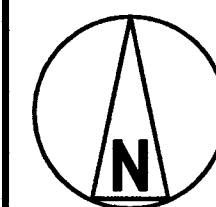
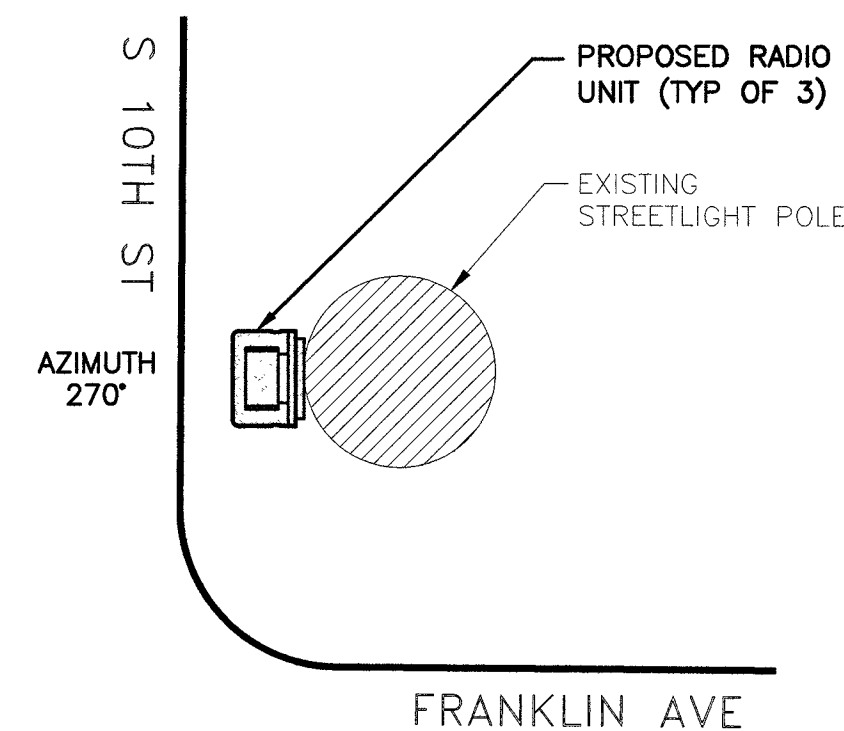
A



PROPOSED WEST ELEVATION



B



RADIO SPACE PLAN VIEW

NO SCALE

1

NOT USED

NO SCALE

2

NOT USED

NO SCALE

3



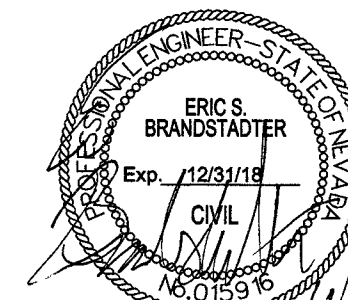
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VG0006BA_61LAB
1296.25 S 10TH ST
LAS VEGAS, NV 89104
SMALL CELL

SHEET TITLE

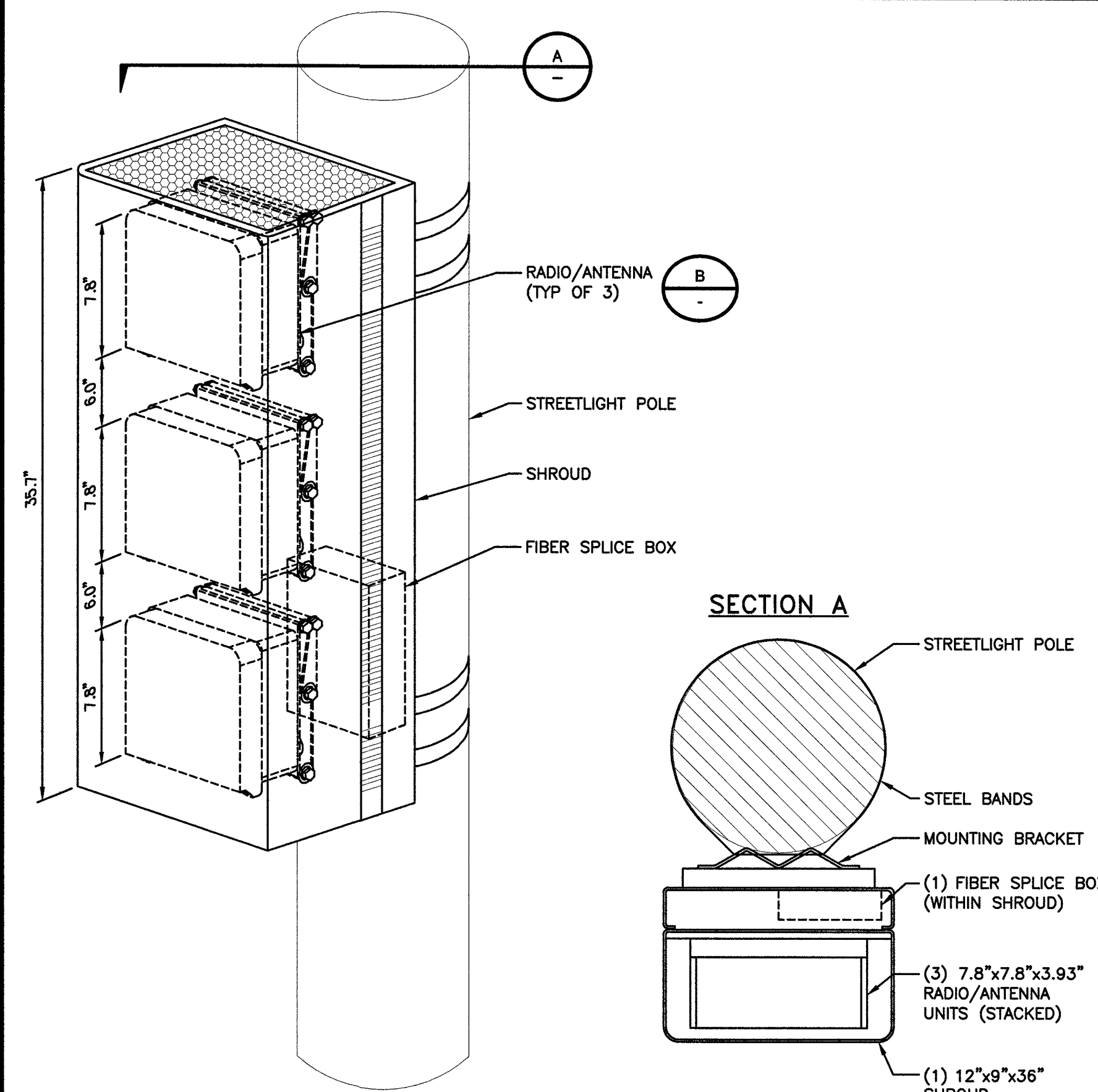
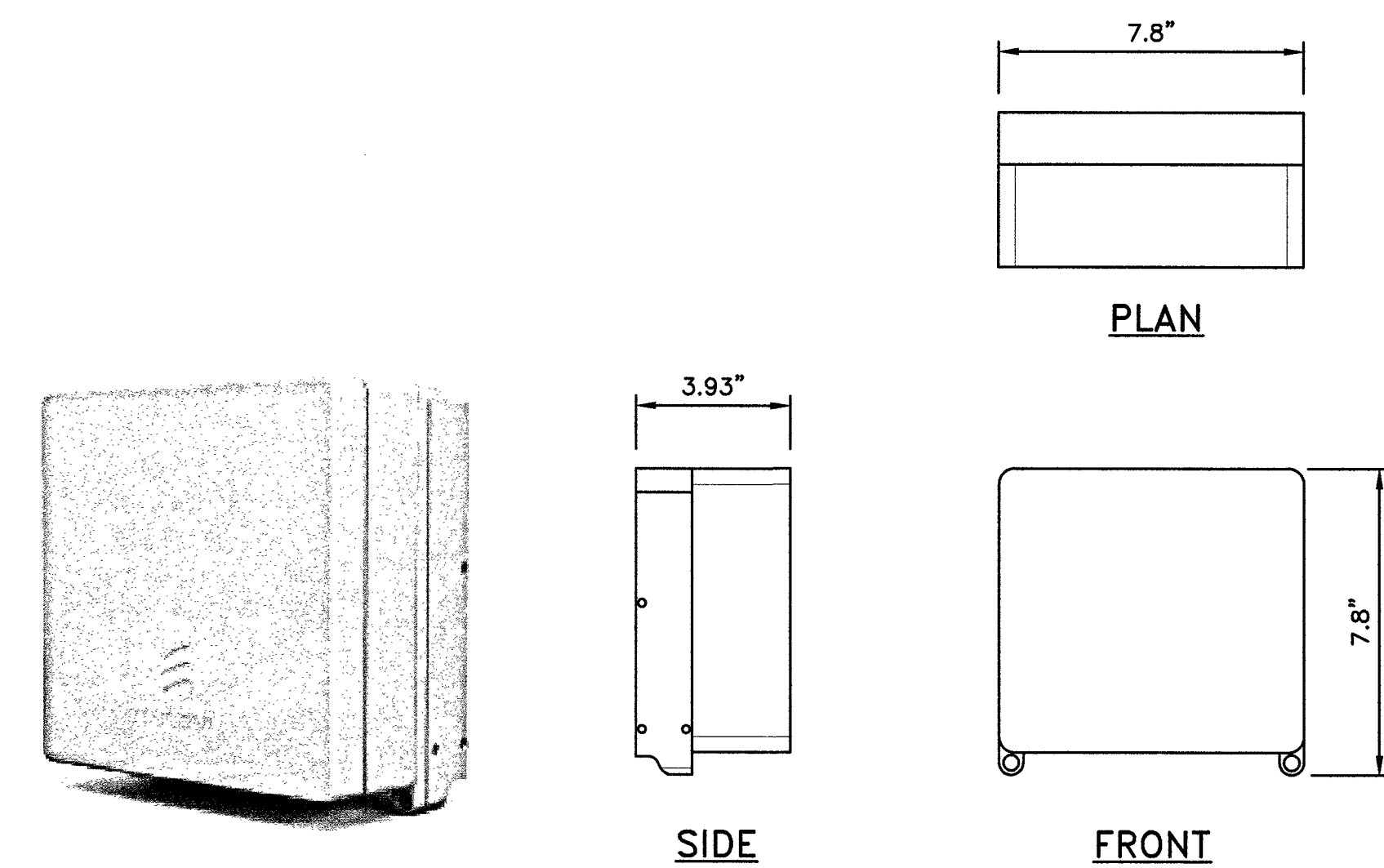
ELEVATIONS

SHEET NUMBER

A-2

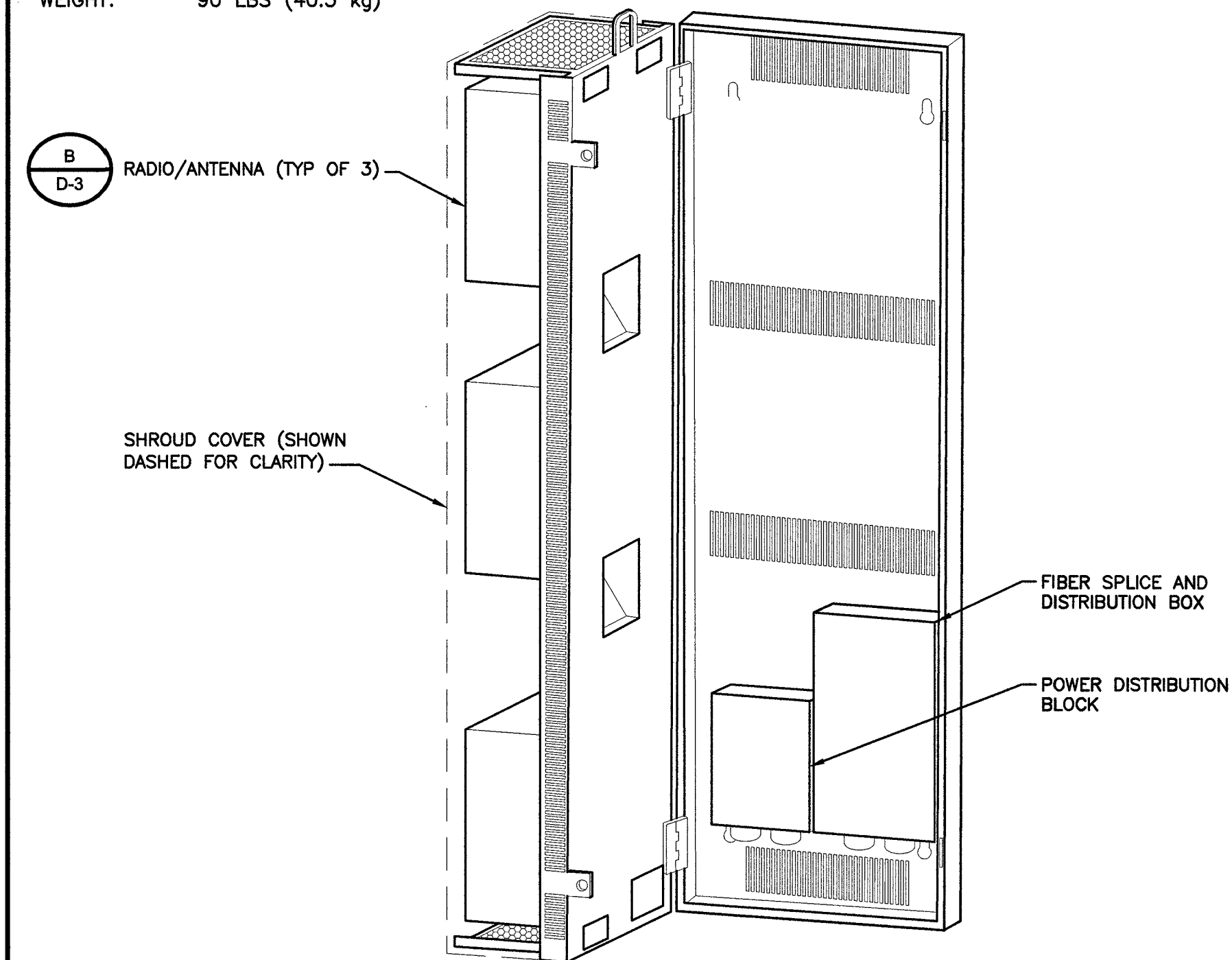
ERICSSON RRUS-2203/5

LENGTH: 7.8" (200MM)
WIDTH: 7.8" (200MM)
DEPTH: 3.93" (100MM)
TOTAL WEIGHT (WITHOUT BRACKETS): <9.9 LBS (4.5 Kg)



ERICSSON SMALL CELL SHROUD

DEPTH: 9" (229 mm)
HEIGHT: 35.4" (899 mm)
WIDTH: 11.67" (296 mm)
WEIGHT: 90 LBS (40.5 kg)



RADIO SPECIFICATIONS

NO SCALE

1

RADIO SHROUD MOUNTING DETAIL

NO SCALE

2

RADIO SHROUD SPECIFICATIONS

NO SCALE

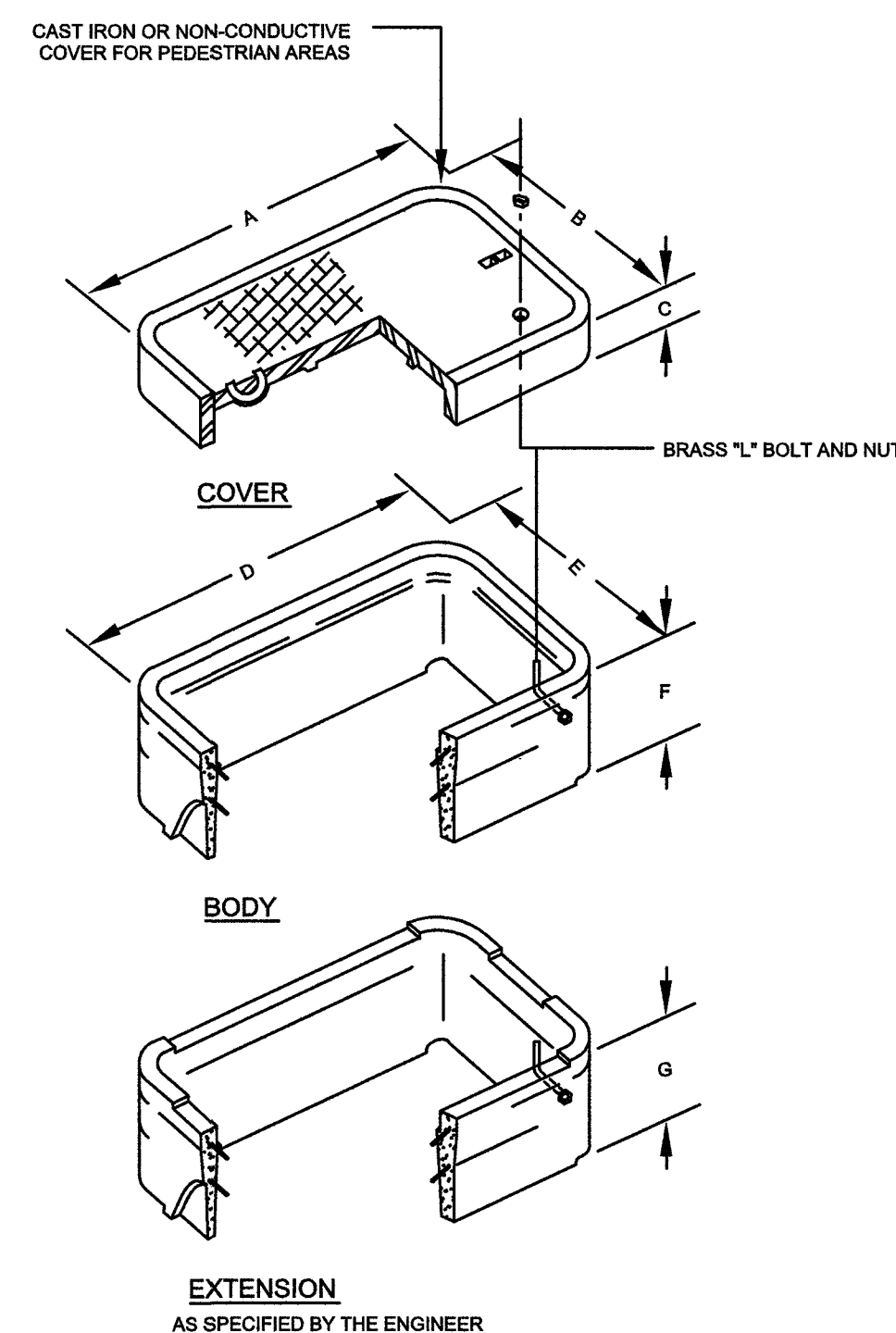
3

NOTES

- COVERS INSTALLED IN TRAFFIC AND OPEN AREAS ACCESSIBLE TO TRAFFIC SHALL BE PER STANDARD DRAWING NO. 327.
- SEE STANDARD DRAWING NO. 323 FOR COVER GROUNDING.
- REFER TO SHEET GN-1 FOR ADDITIONAL HANDHOLE NOTES.

PULL BOX			
	SIZE (COMMERCIAL DESIGNATION)		
	3-1/2	5	7
A	15	21-3/4	30-5/8
B	10	11-3/4	17-5/8
C	3/4	2	2
D	19-3/8	25	34-3/4
E	14-3/8	15	21-3/4
F	12	12	12
G	N/A	10-1/4	11-1/2

NOMINAL DIMENSION IN INCHES



CONCRETE PULL BOX SPECIFICATIONS

NO SCALE

4

NOT USED

NO SCALE

5

NOT USED

NO SCALE

6



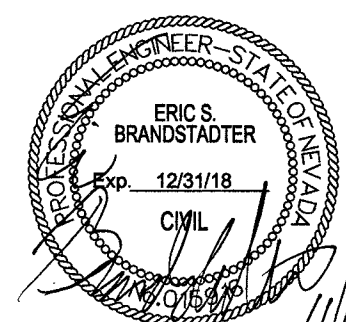
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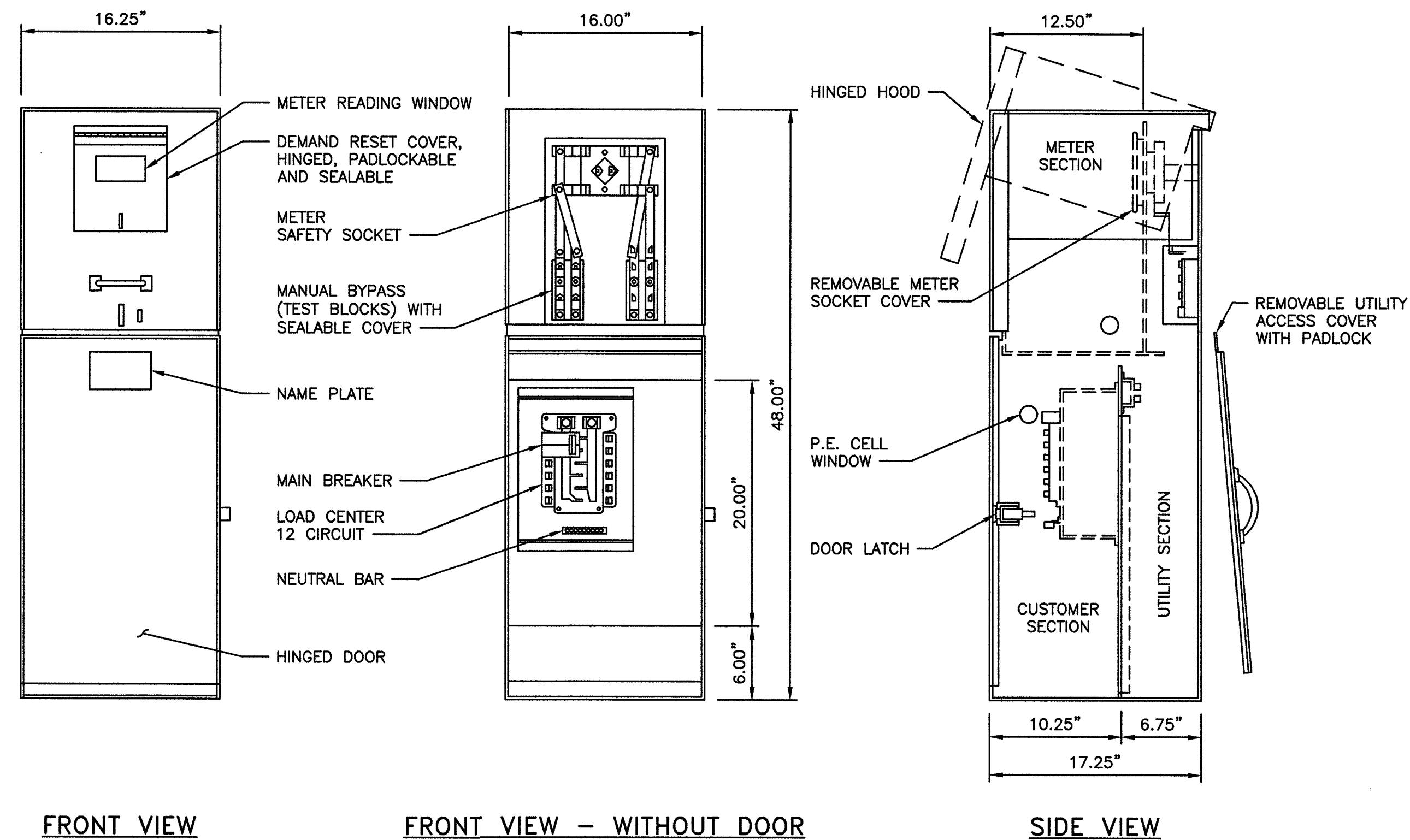
SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

D-1

MYERS MEUG16-M200 CALTRANS TYPE III-BF



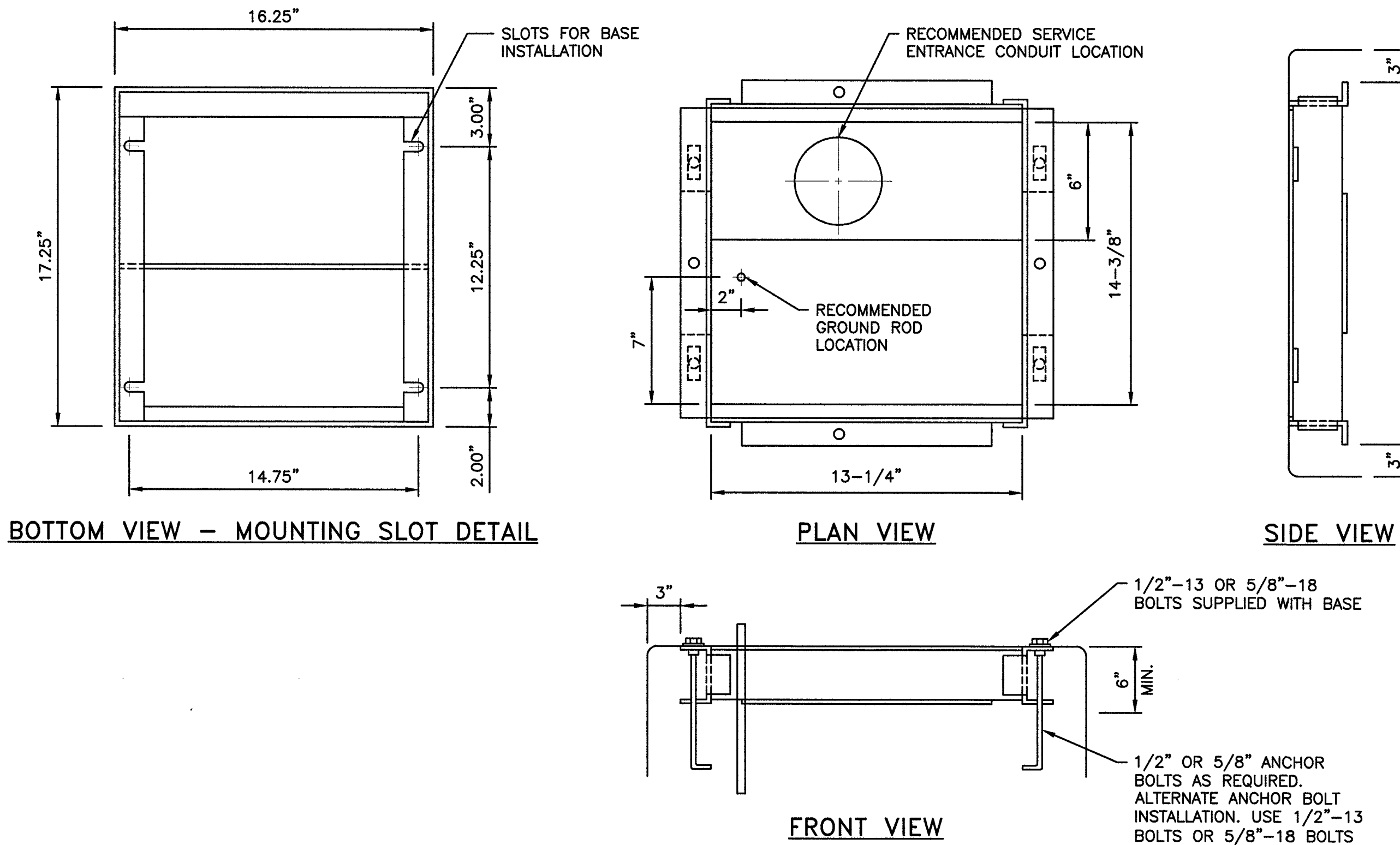
METER PEDESTAL DETAIL

NO SCALE

1

NOTES

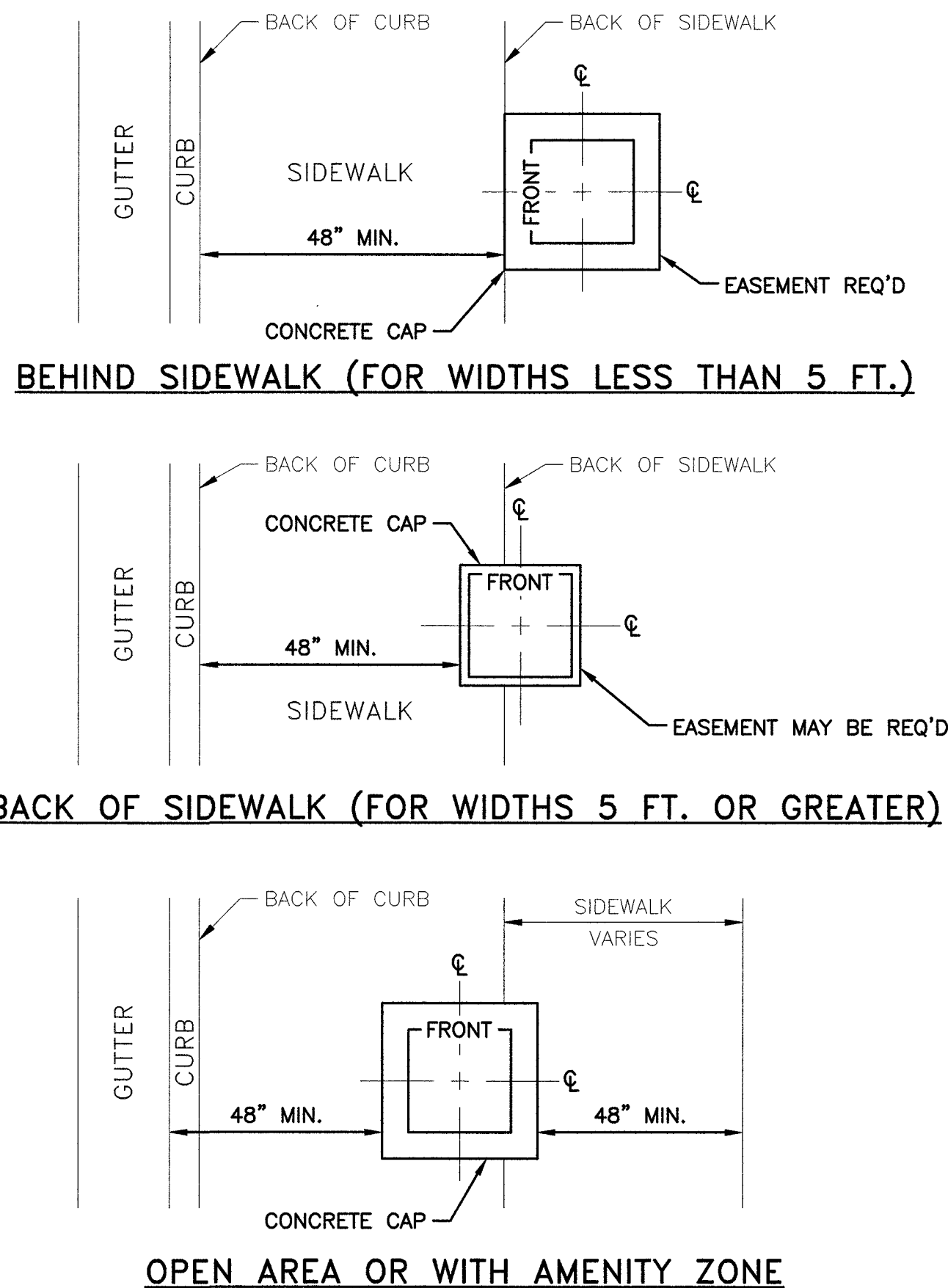
1. MINIMUM CLEARANCE REQUIRED 36" PER NEC 110-16, TYPICAL FRONT AND BACK.
2. FOUNDATION DIMENSIONS AND DEPTH PER JOB SPECIFICATIONS.



BASEPLATE DETAIL

NO SCALE

3



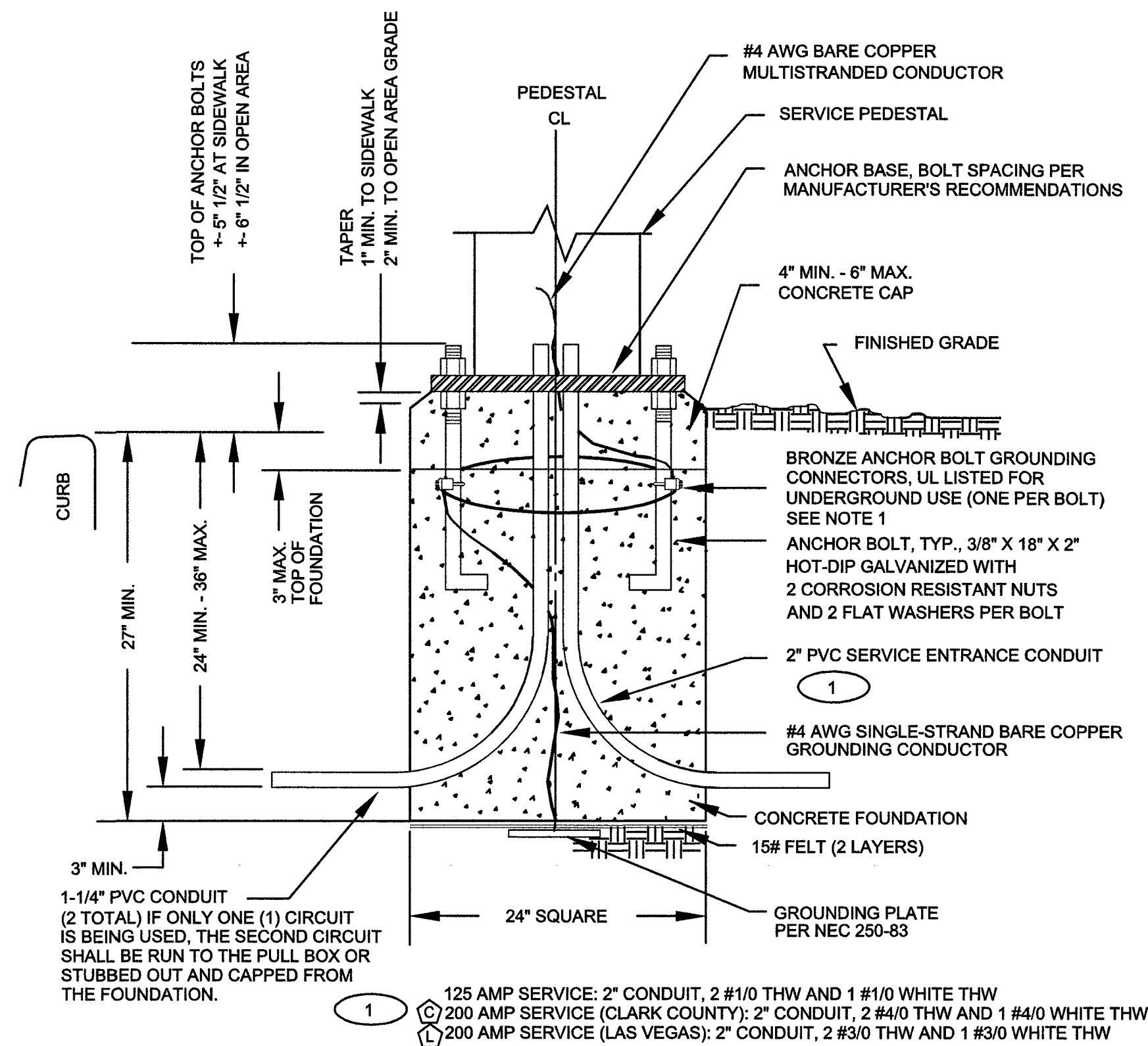
SERVICE PEDESTAL SETBACK DETAILS (USDCCA DRAWING #331)

NO SCALE

2

NOTES

1. BARE COPPER GROUNDING CONDUCTOR SHALL BE LOOPED AROUND ANCHOR BOLTS ONE TIME AND CONNECTED TO EACH ANCHOR BOLT BEFORE CONTINUING DOWN TO THE GROUNDING PLATE.
2. CABINET COVERS SHALL BE PARALLEL WITH CURB.
3. IN AREAS WHERE R/W PERMITS, THE CONCRETE BASE SHALL BE PLACED AT THE BACK EDGE OF THE SIDEWALK.
4. CABINET COVERS SHALL OPEN TOWARDS THE STREET WHEN CABINETS ARE LOCATED AT BACK OF WALK. CABINET COVERS SHALL OPEN PARALLEL TO THE SIDEWALK FACING THE DIRECTION OF TRAFFIC WHEN LOCATED WITHIN THE SIDEWALK.
5. WIRE SIZES ARE BASED ON UNDERGROUND FEED.
6. WIRE SIZES SHALL BE INCREASED FOR VOLTAGE DROP LIMITATION WHEN RUN IS LONG.



SERVICE PEDESTAL FOUNDATION DETAIL

NO SCALE

4



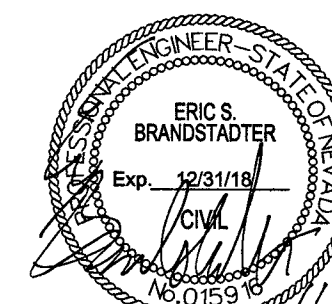
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SITE ADDRESS

33TM0204SMC
VG0006BA_61LAB
1296.25 S 10TH ST
LAS VEGAS, NV 89104
SMALL CELL

SHEET TITLE

EQUIPMENT DETAILS

SHEET NUMBER

D-2



CAUTION
STAY BACK 3 ft.
TO PREVENT
RADIO FREQUENCY
EXPOSURES ABOVE FCC
LIMITS. CALL NOC
1-877-897-2475
TO POWER DOWN.
SITE ID: 33TM0204SMC



NOTICE
SMALL CELL SHUT OFF SWITCH
Push switch button turn off radio
while working within 3 ft. of the
device

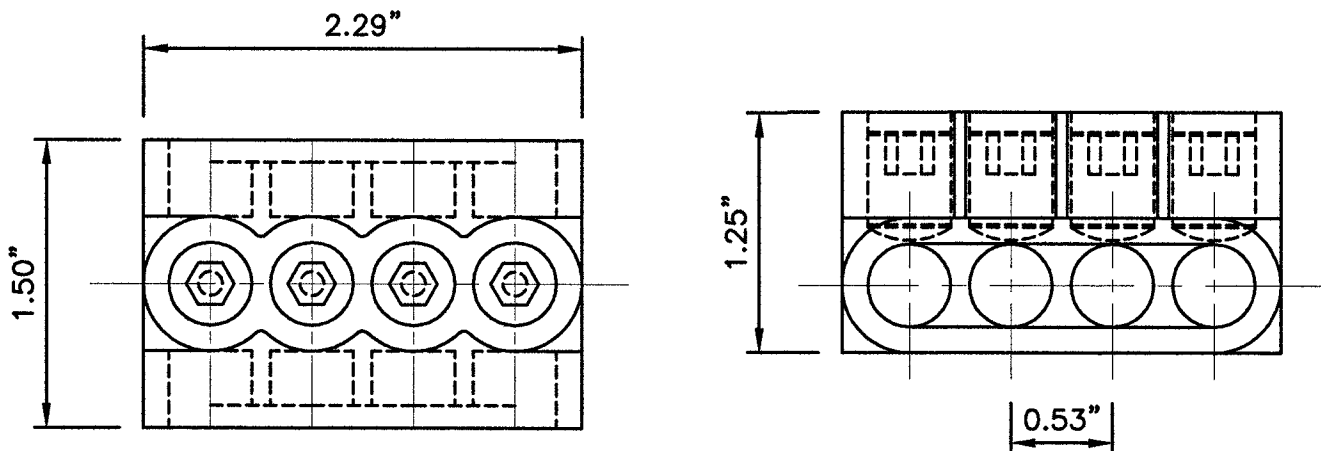
Note: Once work is completed
turn switch back on

RF WARNING PLACARDS

NO SCALE

1

MULTI-TAP CONNECTOR WITH CLEAR INSULATION,
DOUBLE-SIDED (PCSB4-4-6Y)



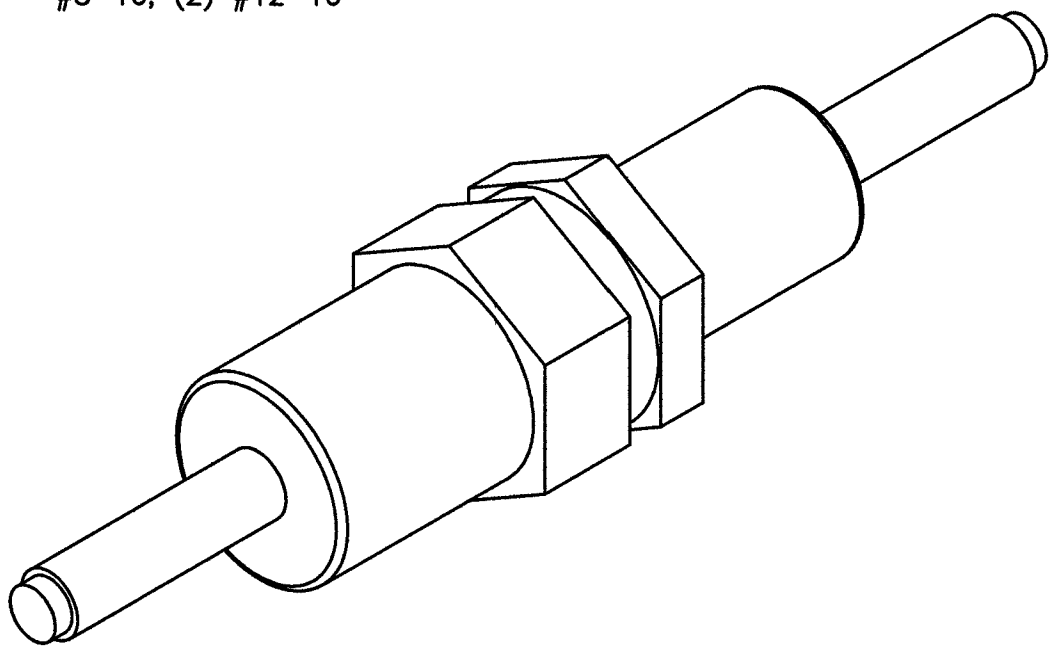
CONNECTOR DETAIL

NO SCALE

2

BUSSMAN HEB-AW-RLC-A

DIMENSIONS, LENGTH: 4.4"
WIRE RANGE: #8-16; (2) #12-16



BREAKAWAY FUSE DETAIL

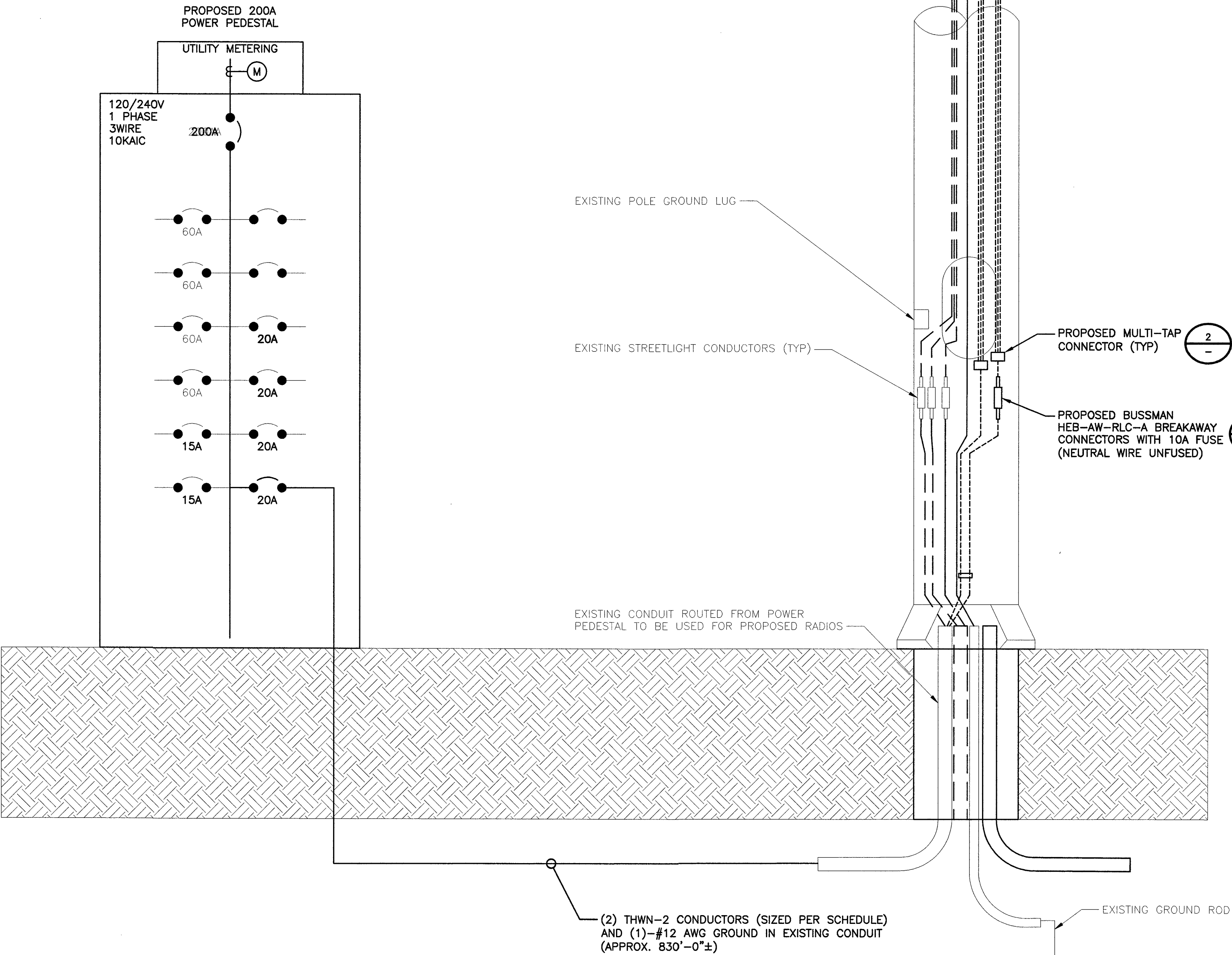
NO SCALE

3

NOTES

1. CONTRACTOR IS TO FIELD VERIFY ALL EXISTING ITEMS SHOWN ON THE ELCTRICAL ONE-LINE DIAGRAM AND NOTIFY THE ENGINEER OF ANY DISCREPANCIES.
2. ALL NEW CONDUCTOR WIRE TO BE INSTALLED SHALL BE COPPER THWN-2, THW-2, RHW-2, XHHW-2 WIRE UNLESS NOTED OTHERWISE.
3. ALL GROUNDING AND BONDING TO BE PER THE RECOGNIZED EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
4. ALL INSTALLED CONDUCTORS AND SIGNAL CABLES TO BE CLEARLY MARKED "COX COMMUNICATIONS" WITH BRASS OR FIBERGLASS TAGS.

120VAC FEEDER CONDUCTOR MAXIMUM DISTANCE			
#12 AWG	385'-0"	3% VOLT DROP @	2.34A
#10 AWG	642'-0"	3% VOLT DROP @	2.34A
#8 AWG	987'-0"	3% VOLT DROP @	2.34A



TYPICAL POLE SITE TEMPLATE

NO SCALE

4



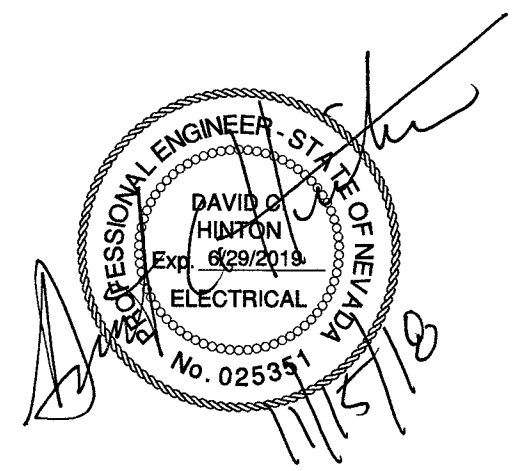
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2		
3		
4		
5		
6		
7		
8		
9		



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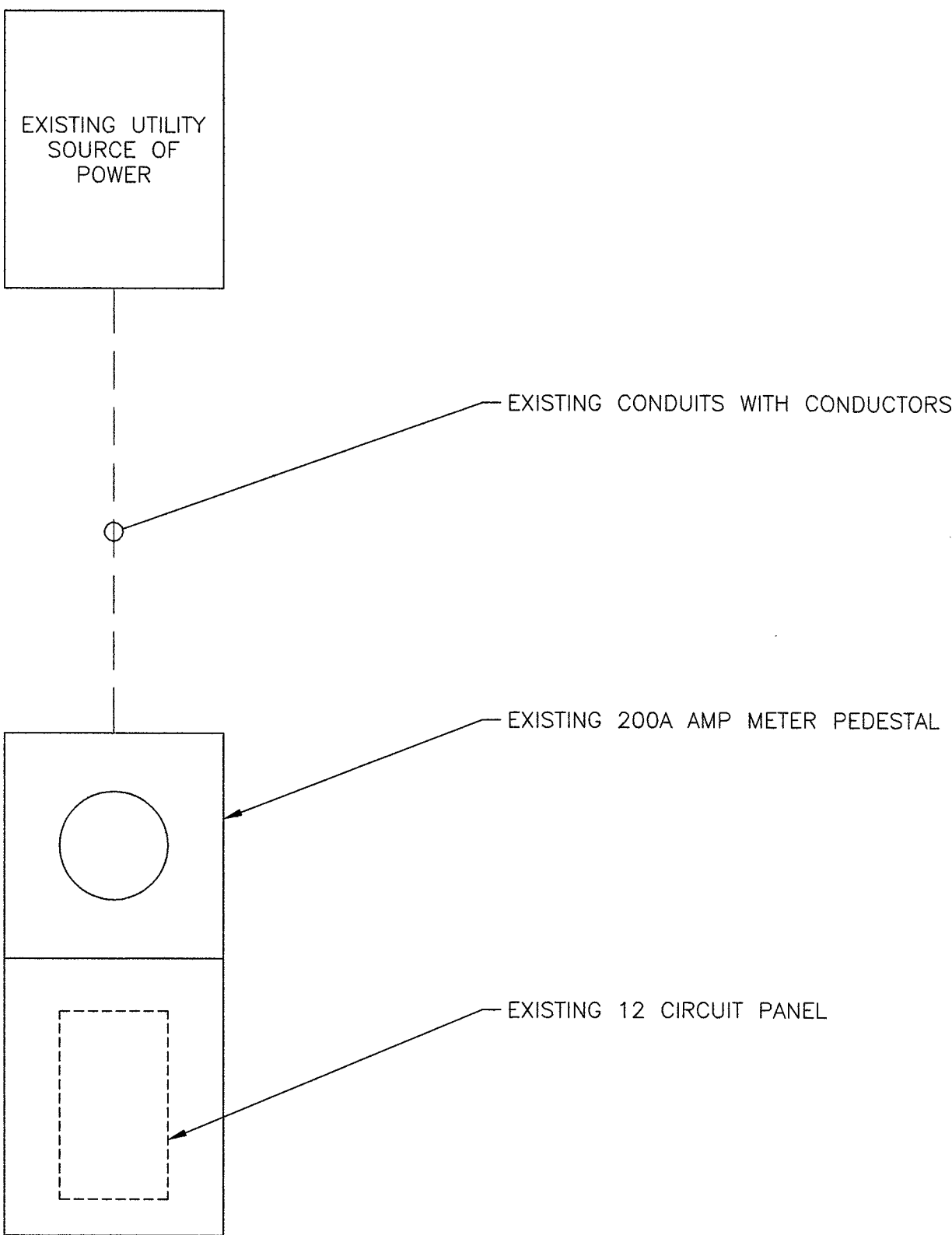
ELECTRICAL DETAILS
AND DIAGRAMS

SHEET NUMBER

E-1

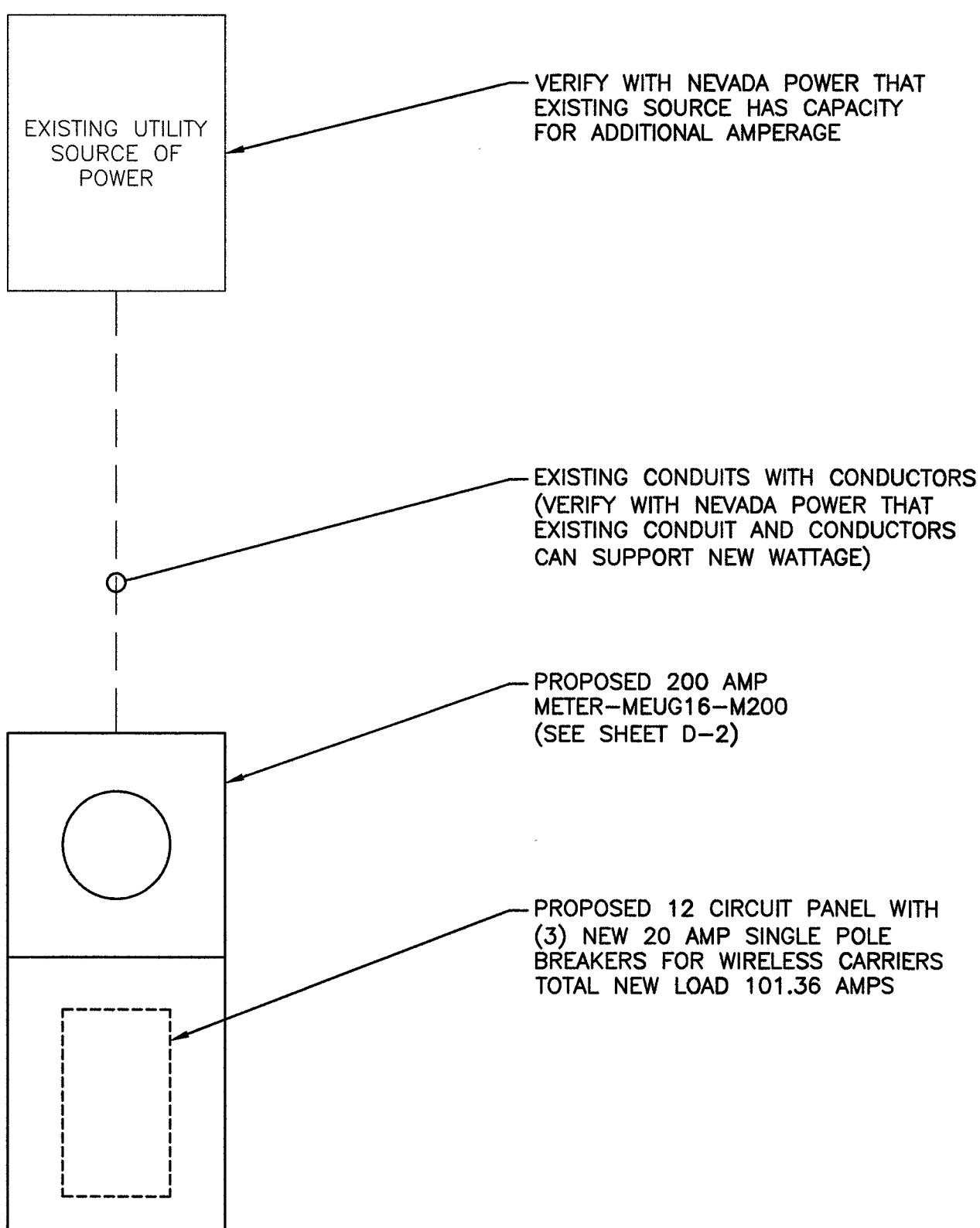
EXISTING ELECTRICAL LOAD STUDY

EXISTING LOAD.....79.22 AMPS
ALLOWED LOAD 80%.....100 AMPS



PROPOSED ELECTRICAL LOAD STUDY

EXISTING LOAD.....79.22 AMPS
SAFETY FACTOR 125%.....99.02 AMPS
PROPOSED LOAD.....2.34 AMPS
TOTAL LOAD.....101.36 AMPS
ALLOWED LOAD 80% OF 200 AMPS.....160 AMPS



EXISTING SINGLE LINE DIAGRAM

NO SCALE

1

PROPOSED SINGLE LINE DIAGRAM

NO SCALE

2

Site Name:		1296 S 10TH ST					MODEL NUMBER:		MYERS MEUG16-M200												
SITE NUMBER:		33TM0204SMC						PHASE:		1				WIRE:		3					
VOLTAGE:		240 /120		Volts AC				BUSS RATING:		200		AMPS									
MAIN BREAKER:		200 AMPS																			
MOUNT:		SURFACE																			
ENCLOSURE TYPE:		NEMA 3R																			
PANEL STATUS:		PROPOSED																			
CKT	LOAD DESCRIPTION	BREAKER AMPS	BREAKER POLES	BREAKER STATUS	SERVICE LOAD VA	Demand Factor	USAGE FACTOR	PHASE A VA	PHASE B VA	USAGE FACTOR	Demand Factor	SERVICE LOAD VA	BREAKER STATUS	BREAKER POLES	BREAKER AMPS	LOAD DESCRIPTION	CKT				
1	MAINS	200	2	NEW	0	1.00	1.00	5760		1.25	1.00	4608	ON	2	60	EXISTING LOAD	2				
3					0	1.00	1.00		5760	1.25	1.00	4608					4				
5	PROPOSED COX SMALL CELL	20	1	NEW	450	1.00	1.25	6323		1.25	1.00	4608	ON	2	60	EXISTING LOAD	6				
7	TELECOM (FUTURE)	20	1	OFF	0	1.00	1.00		5760	1.25	1.00	4608					8				
9	TELECOM (FUTURE)	20	1	OFF	0	1.00	1.00	250		1.25	1.00	200	ON	1	15	EXISTING LOAD	10				
11	EXISTING LOAD	20	1	ON	180	1.00	1.25		475	1.25	1.00	200	ON	1	15	EXISTING LOAD	12				
								PHASE A	PHASE B												
								12333	11995	VA											
								TOTAL		KVA	24.33										
										AMPS	101.36	≤ 80% OF MAIN BREAKER									

PROPOSED PANEL SCHEDULE AND CALCS

NO SCALE

3



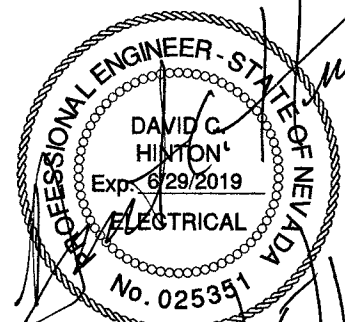
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SUITE 1200
BLOOMINGTON, MN 55435

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PROJECT NO.	DRAWN BY	CHECKED BY
199064.4006	SRB	LEW

0	11/12/18	ISSUED FOR CONSTRUCTION
REV	DATE	DESCRIPTION



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, TO ALTER THIS DOCUMENT.

SITE ADDRESS

33TM0204SMC
VG0006BA_61LAB
1296.25 S 10TH ST
LAS VEGAS, NV 89104
SMALL CELL

SHEET TITLE

ELECTRICAL SINGLE
LINE DIAGRAMS

SHEET NUMBER

E-2

1. FOR CONDUIT SIZE AND WIRING REQUIREMENTS FOR STREETLIGHT SERVICE, SEE STANDARD DRAWING NO. 332.S2 FOR LAS VEGAS AND CLARK COUNTY ONLY AND 332.S1 FOR ALL OTHER ENTITIES.
2. SEE STANDARD DRAWING NO. 321, 332.S1, OR 332.S2.



NO SCALE

1

1. 125 AMP SERVICE: 1 #4 WHITE THW
200 AMP SERVICE: 1 #1/0 WHITE THW



NO SCALE

2

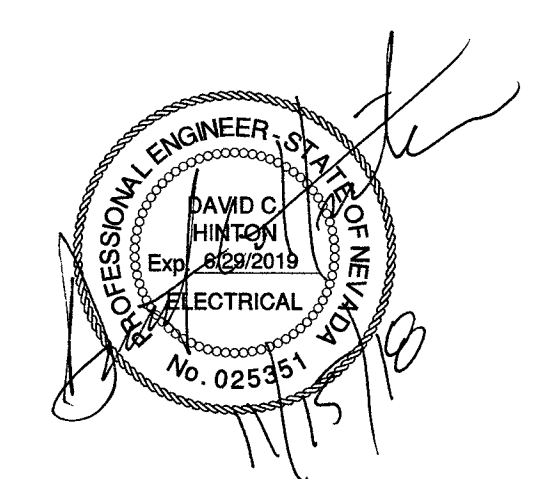


BLACK & VEATCH

BLACK & VEATCH CORPORATION
7760 FRANCE AVENUE SOUTH
SUITE 1200
BLOOMINGTON, MN 55435

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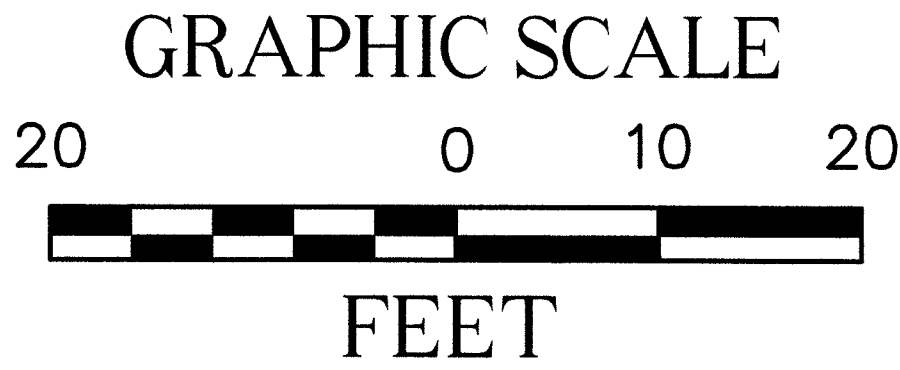
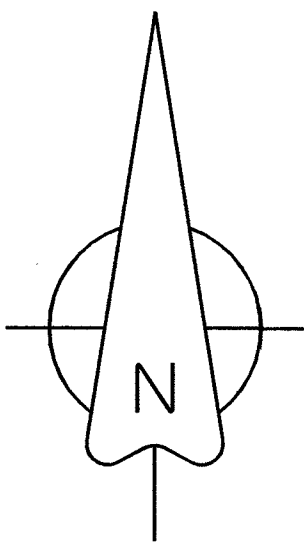
SHEET TITLE

GROUNDING DIAGRAMS

SHEET NUMBER

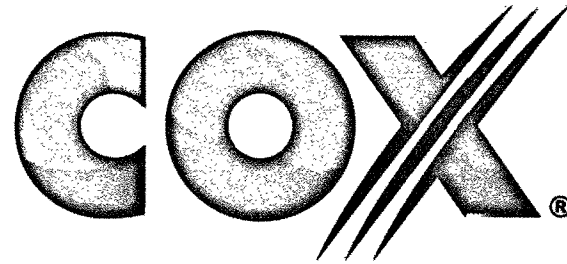
G-1

SMALL CELL SITE SURVEY
SITE: 33TM0204SMC
SE¼NE¼, SECTION 03, TOWNSHIP 21 SOUTH, RANGE 61 EAST
TO NORMAN AVE



A LATITUDE: 36°09'18.53"N
LONGITUDE: 115°08'27.18"W
GROUND ELEVATION: 1,998.90'
NAVD '88

Legend	
	MONUMENT
	POLE
	DOWN GUY
	GAS VALVE
	PEDASTAL
	LAMP POST
	WATER VALVE
	FIRE HYDRANT
	WATER MANHOLE
	WATER METER
	SEWER MANHOLE
	UNKNOWN OR LABELED MANHOLE
	SANITARY SEWER MANHOLE
	STORM WATER MANHOLE
	ELECTRIC MANHOLE
	TELECOM MANHOLE
	TREE
FENCELINE	
ROW LINE	
CENTER LINE	
SEWER	S
TELEPHONE	T
WATER	W
ELECTRIC	E
GAS LINE	G
OVERHEAD ELEC	
FENCE BARB	X
PROPERTY LINE	



6205-B Peachtree Dunwoody Road NE
Atlanta, GA 30328

SITE ADDRESS:
1296.25 S 10th St
LAS VEGAS, NV.

ENGINEERS:



BLACK & VEATCH

6 SUNSET WAY
SUITE B108
HENDERSON, NV 89014

SITE NO: 33TM0204SMC

DRAWN BY: KJC

CHECKED BY: CIS

REV	DATE	DESCRIPTION
A	10/8/18	PRELIMINARY SUBMITTAL

SURVEYOR:



CIS JOB NO:
CIS 315-2-2-6

SHEET TITLE
**SMALL CELL
SITE SURVEY**

SHEET NUMBER
1 OF 1



CITY OF LAS VEGAS

TRAFFIC ENGINEERING
FIELD OPERATIONS
3001 RONEMUS DRIVE
LAS VEGAS, NV 89128
PHONE: (702) 229-6331

SMALL CELL SITE SURVEY

- THIS FORM IDENTIFIES THE POTENTIAL POWER SUPPLY SOURCE FOR A PROPOSED SMALL CELL SITE
- THIS ONLY REPRESENTS THE CONDITIONS AT TIME OF SITE SURVEY
- FIELD CONDITIONS MAY CHANGE FROM THE TIME OF THE SITE SURVEY UNTIL THE START OF CONSTRUCTION

CONTRACTOR'S NAME: Cox WIRELESS USE AGREEMENT _____
WIRELESS SERVICE PROVIDER: _____ CONTACT NAME: _____
OFFICE: _____ MOBILE: _____ FAX: _____
POLE LOCATION & ID: 1296 10th St. SL#19065
CIRCLE ONE : NEW POLE / EXISTING POLE

PROPOSED SERVICE INFORMATION

PROPOSED SERVICE INFORMATION

Service Location	1143 S. 10 th St.				ID# 401627	
Existing Meter #	CC 029984702					
Existing Service Size	60 Amp		100 Amp		125 Amp	200 Amp
Street Light Circuit						
Service Type	Pedestal			Pole Mount		
Current Application	Traffic Signal		St. Lighting		Both	
Existing Load			53.2 Amps		Amps	
Field Tested By:	B. Comeau				Date:	10/22/18
Notes: Suitable for use to serve small cell site without upgrade. Service also feeds 1145 S 10 th and 1041 Franklin. Total of three small cell locations.						

CLV REPRESENTATIVE

- TO BE COMPLETED BY TEFO STAFF

CLV FIELD REVIEWER'S NAME: B. Bradway FIELD REVIEW DATE: 10/11/2018
SENIOR/SUPVERNOR REVIEW SIGNATURE: [Signature] DATE REVIEWED BY SENIOR TECH: _____

Suitable for use for small cell site without upgrade.

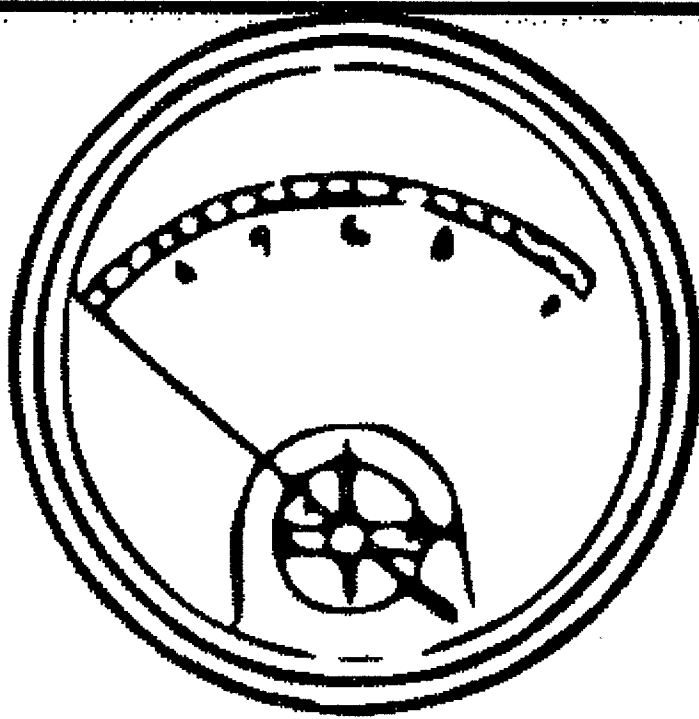
BACKUP DOCUMENTATION

- DRAWINGS, PHOTOS, ETC

FILE NAME: _____ CREATION DATE: _____
FILE NAME: _____ CREATION DATE: _____
FILE NAME: _____ CREATION DATE: _____
Service Size _____ CREATION DATE: _____

NV POWER SERVICE ADDRESS
LOAD BAY DOCUMENTATION FOR SPACE UTILIZATION

(BLACK OUT ALL SLOTS UNUSED BY CIRCUIT BREAKERS...
NOTE RESPECTIVE AMPACITY AND CIRCUIT USE FOR ALL SLOTS PRESENTLY IN USE)



125A “dbl”	60A “dbl” (13.8a)
“dbl”	“dbl” (13.5a)
60A “dbl” (11.7a)	15A (0.6a)
“dbl” (10.2a)	15A (0.8a)
Spare	Spare
Spare	20A (3.2a)