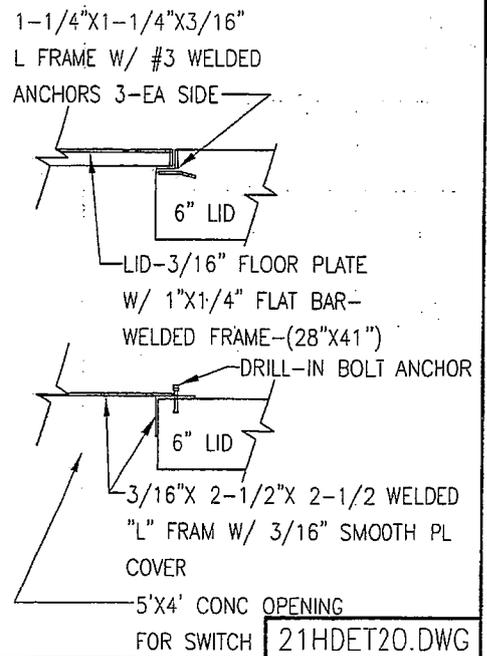


NOTES

1. ALL STEEL-PAINTED W/-1 COAT RED PRIMER 2- COATS- GRAY ENAMEL FINISH.

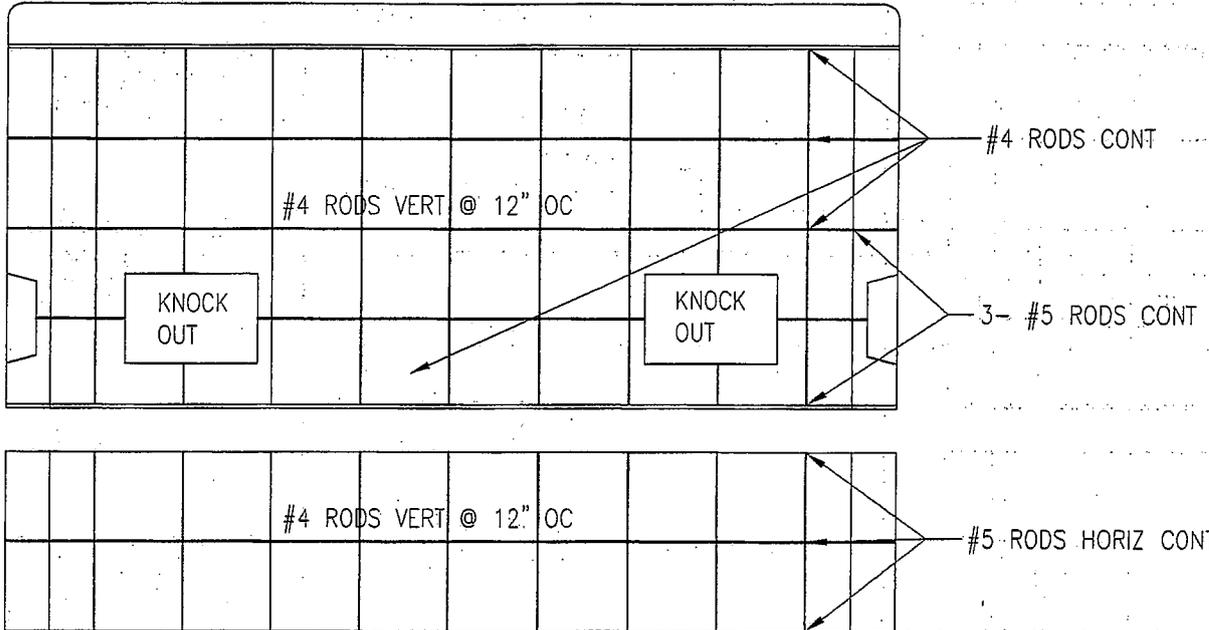


UPWALL PRECAST
ST GEORGE - 673-9377

TEMPORARY FILL-IN PL FOR LARGE OPENING

21HDET20.DWG

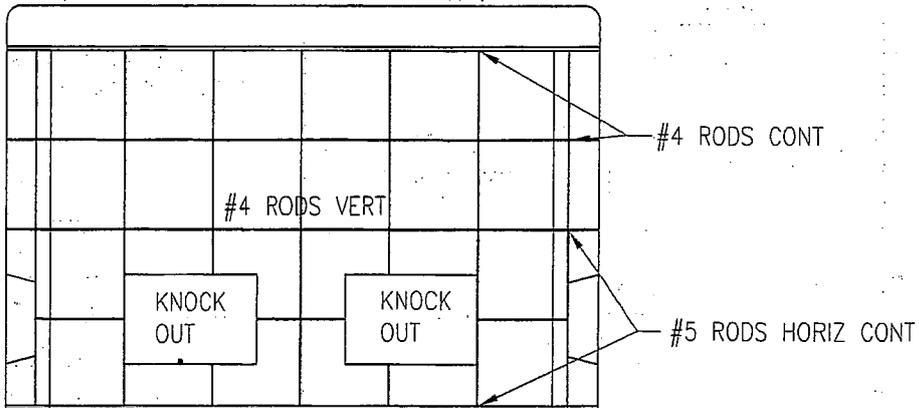
REINFORCEMENT DESIGN



ELECTRICAL SWITCH VAULTS

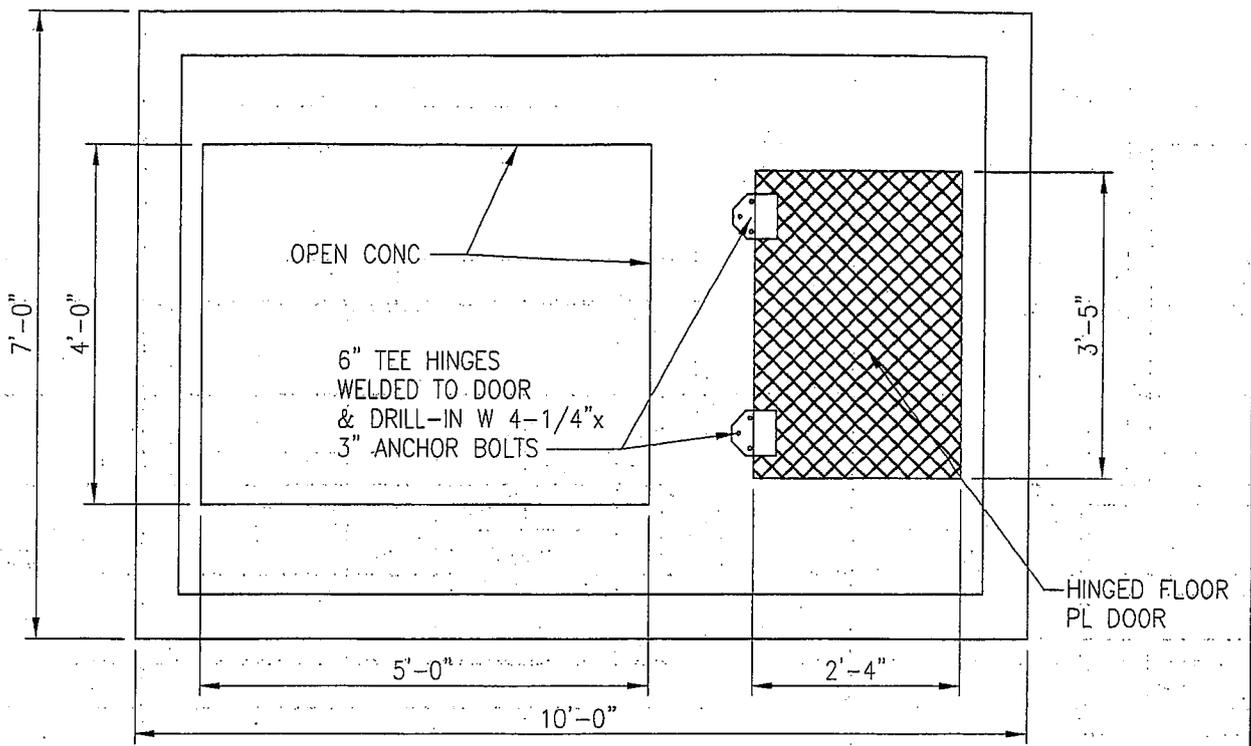
LONG SIDE VIEW

SHORT END VIEW

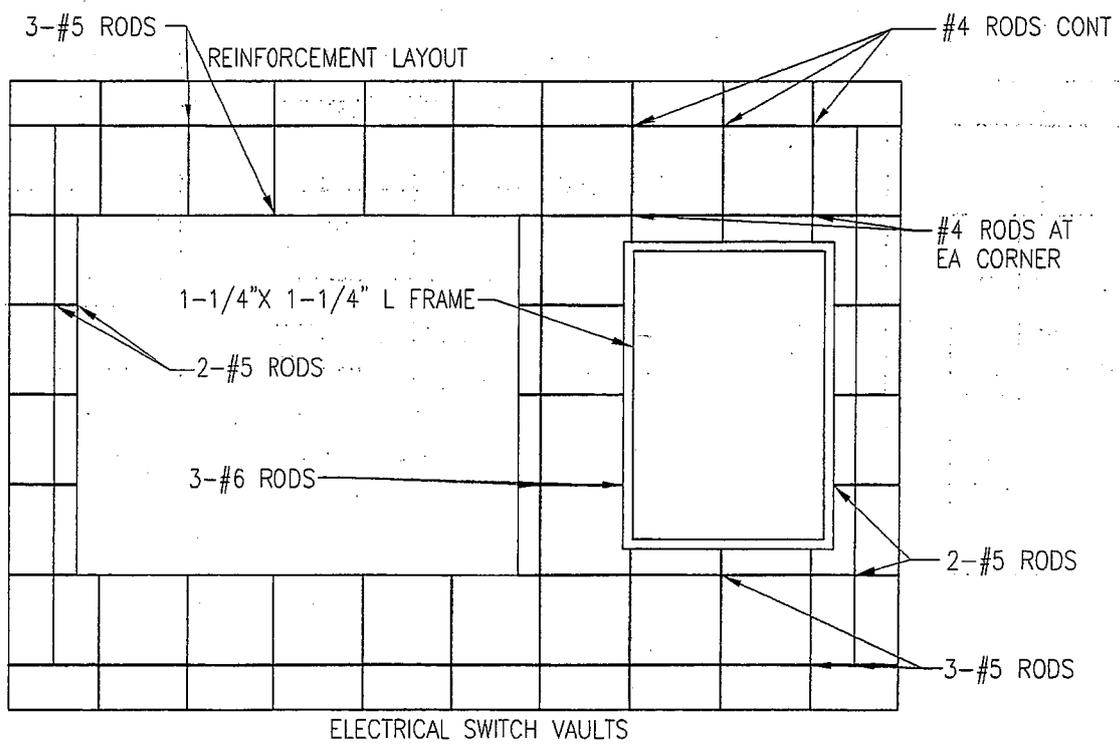


UPWALL PRECAST
ST GEORGE - 673-9377

21HDET21.DWG



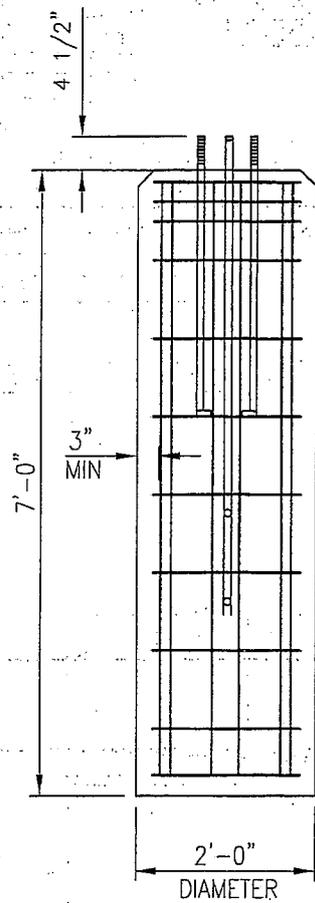
TOP VIEW CONC LID LAYOUT



UPWALL PRECAST
ST GEORGE - 673-9377

21HDET22.DWG

HURRICANE CITY-7' BASES



*1" DIA GALV BOLT-3' LONG

*1" DIA PVC CONDUIT

*40' STANDARD-HURRICANE CITY SPEC LIGHT BASE

*6-#6 RODS VERTICAL

*7-#3 RING AT 12" OC
CONT 60 GRADE REBAR

*4,000 PSI CONC 28DAYS

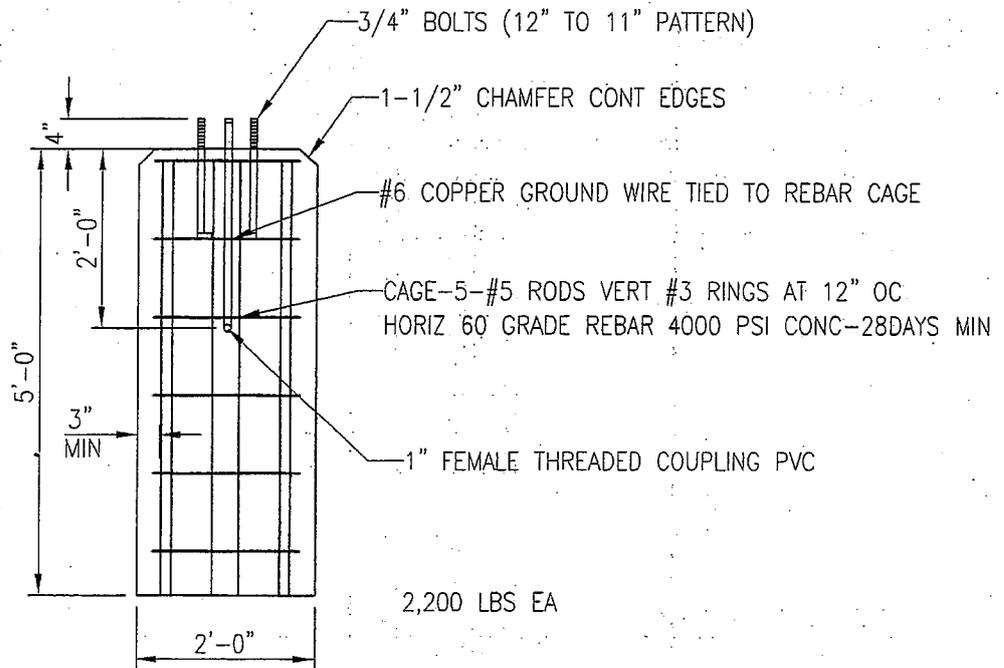
*#6 COPPER GROUND WIRE

*7' BASE USED FOR
PARKING LIGHT BASES
CEMENT PLASTER-FINISH

*MINIMUM REBAR USED:
FOR 35' HIGH & UNDER
6-#5 RODS VERT
7-#3 RINGS AT 17" OC
FOR 40' HIGH & ABOVE
6-#6 RODS VERT
7-#3 RINGS AT 12" OC

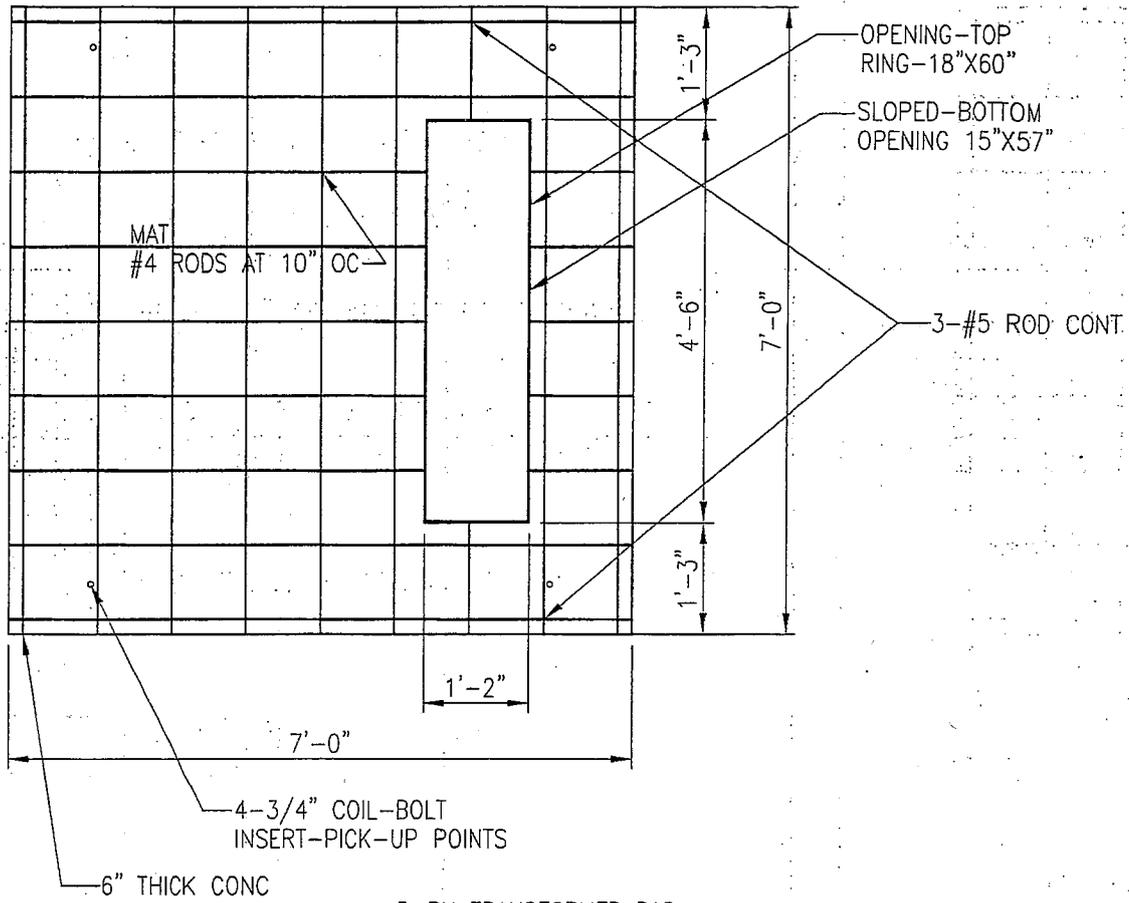
*1" DIA PVC CONDUIT 24"
BELOW GRADE OR TO
DESIGN SPEC'S

HURRICANE CITY-5' BASES



UPWALL PRECAST
ST GEORGE - 673-9377

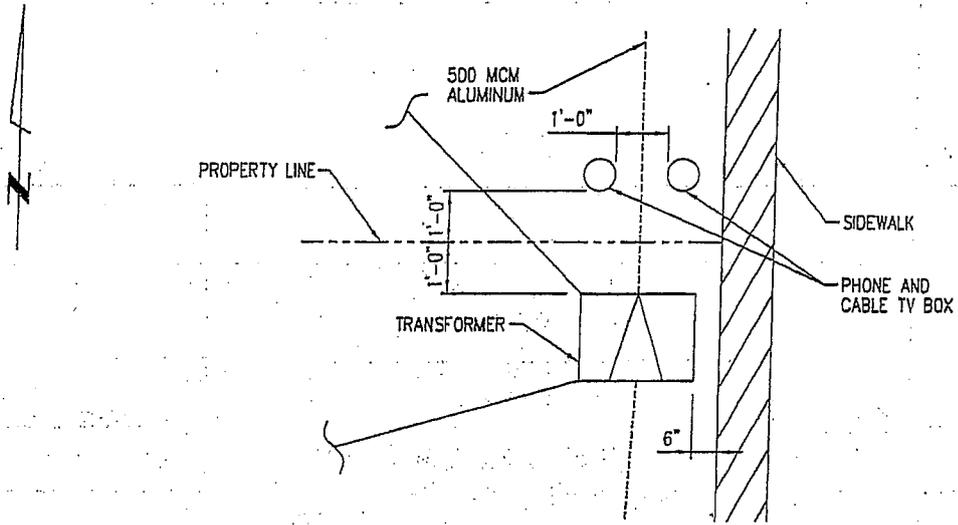
21HDET24.DWG



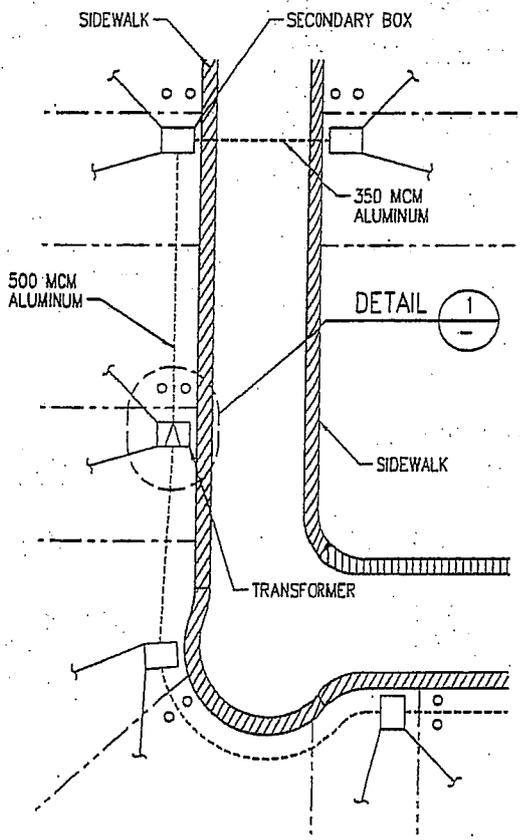
3-PH TRANSFORMER PAD
 CITY OF ST GEORGE POWER

UPWALL PRECAST
 ST GEORGE - 673-9377

21HDET25.DWG



DETAIL
SCALE NONE



NOTES

1. UTILITY TRENCH WILL BE 1'-0" FOOT BEHIND SIDEWALK.
2. POWER BOXES WILL BE WITHIN 6" OF SIDEWALK.
3. POWER BOXES AND PHONE/CABLE TV BOX WILL BE WITHIN 1'-0" OF PROPERTY LINE.
4. POWER BOXES WILL BE ON ONE PROPERTY. PHONE/CABLE TV WILL BE PLACED ON ADJACENT PROPERTY.
5. UTILITY TRENCH WILL BE ON THE NORTH AND WEST SIDE OF STREET EXCEPT FOR CROSSINGS.
6. CROSSING SHALL RUN AT A 90° WITH THE ROAD.
7. WATER METERS WILL BE LOCATED ON ALTERNATE LOT LINES FROM POWER, PHONE AND CABLE TV WHERE POSSIBLE.
8. ALLOWABLE WIRE SIZE AND CONNECTION:

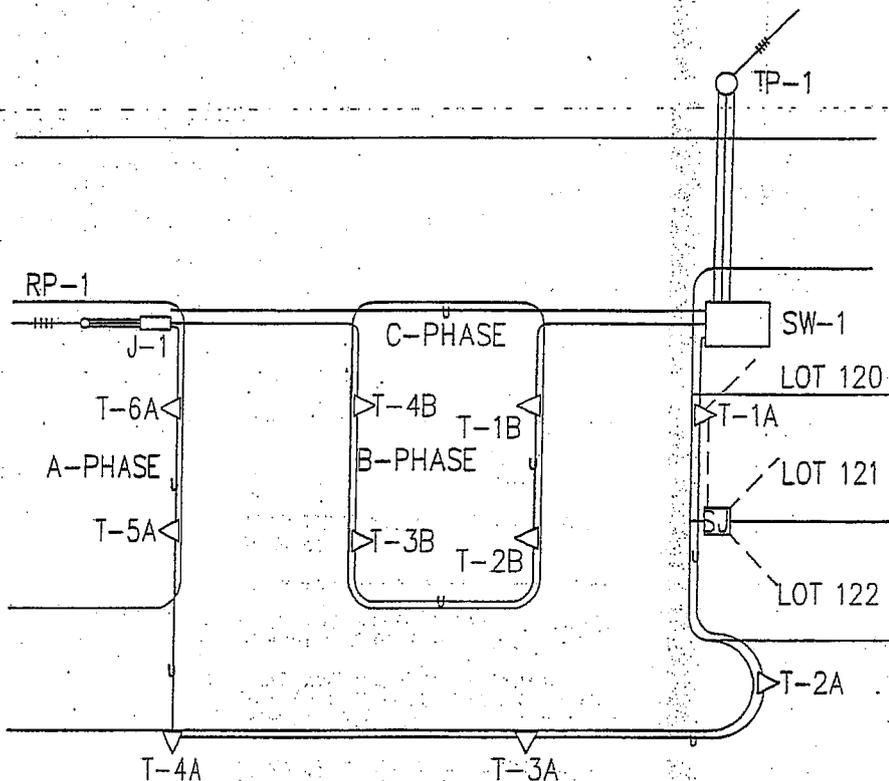
SIZE	CONNECTIONS (MAX)
4/0	1
350	2
500	4

21HDET21.DWG

TAGGING SYSTEM

LEGEND

SW- SWITCH
TP- TRANSITION POLE (FEEDS FROM OVERHEAD TO UNDERGROUND)
RP- RISER POLE (FEEDS FROM UNDERGROUND TO OVERHEAD)
J- PRIMARY JUNCTION
SJ- SECONDARY JUNCTION

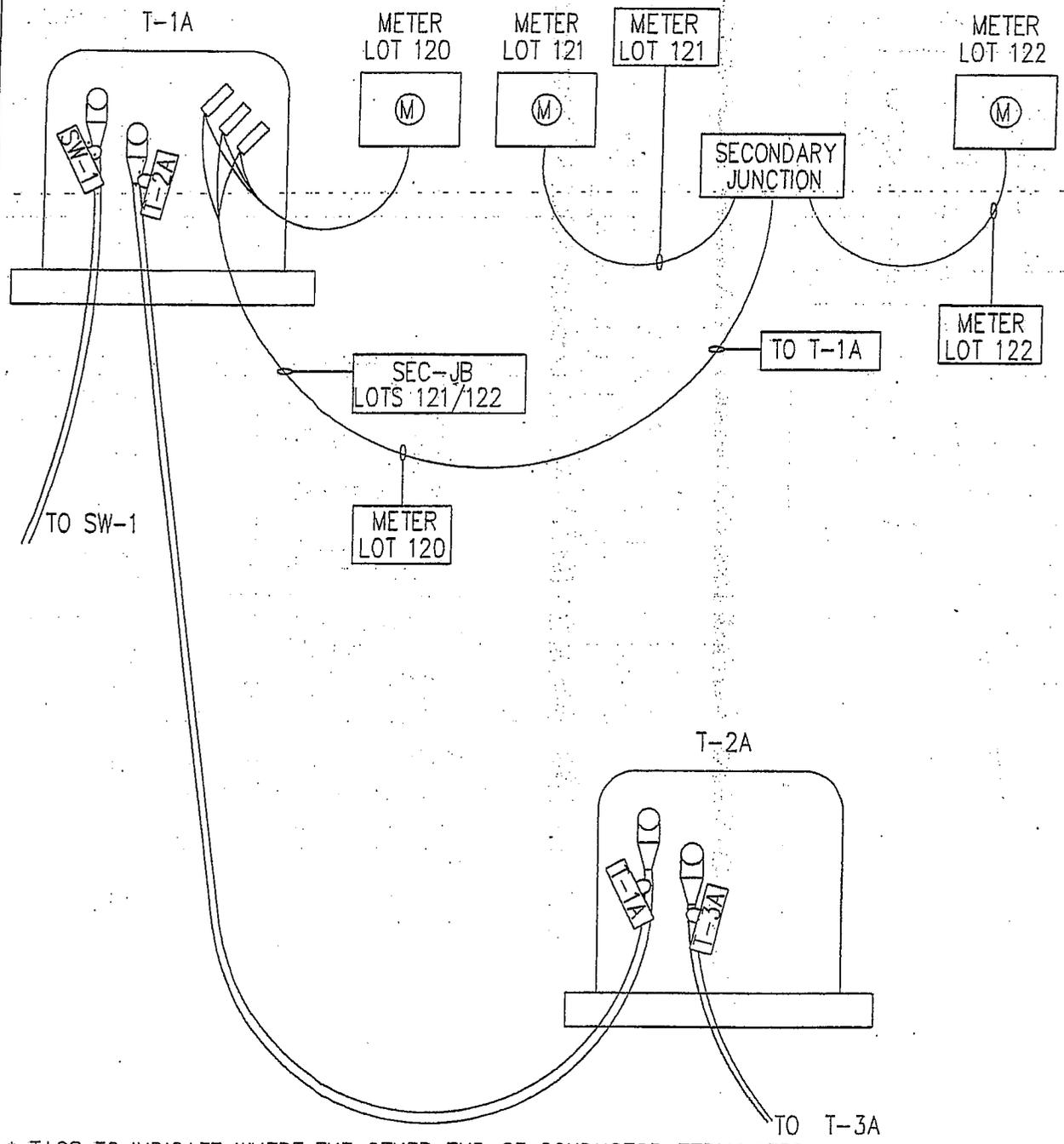


NOTES

1. CONTRACTORS TO PLACE STICK-ON NUMBERS ON OUTSIDE OF TRANSFORMERS, SWITCHES AND PRIMARY JUNCTIONS (NUMBERS TO BE PROVIDED BY CITY).
2. TP AND RP ARE TO BE TAGGED WITH METAL NUMBERS. (LIKE THOSE USED FOR HOUSE ADDRESSES)

21HDET9.DWG

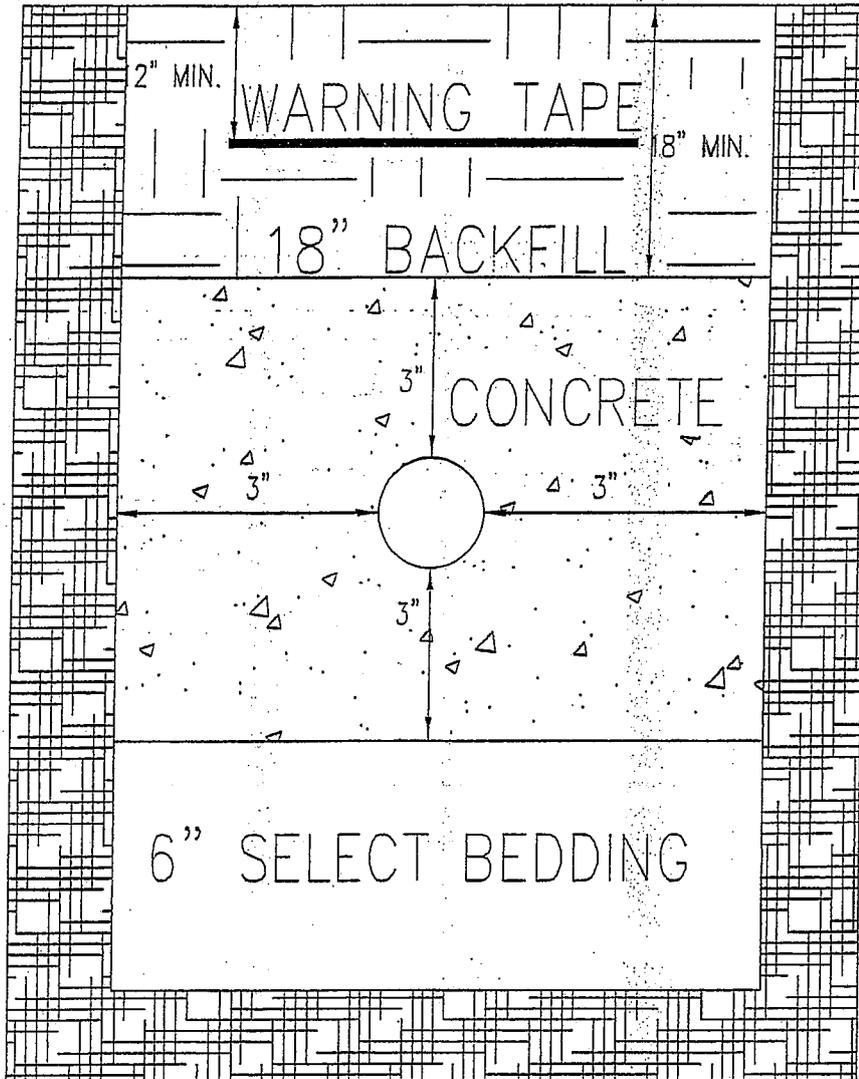
TAGGING SYSTEM



* TAGS TO INDICATE WHERE THE OTHER END OF CONDUCTOR TERMINATES.

21HDET18.DWG

CONCRETE ENCASED CONDUIT

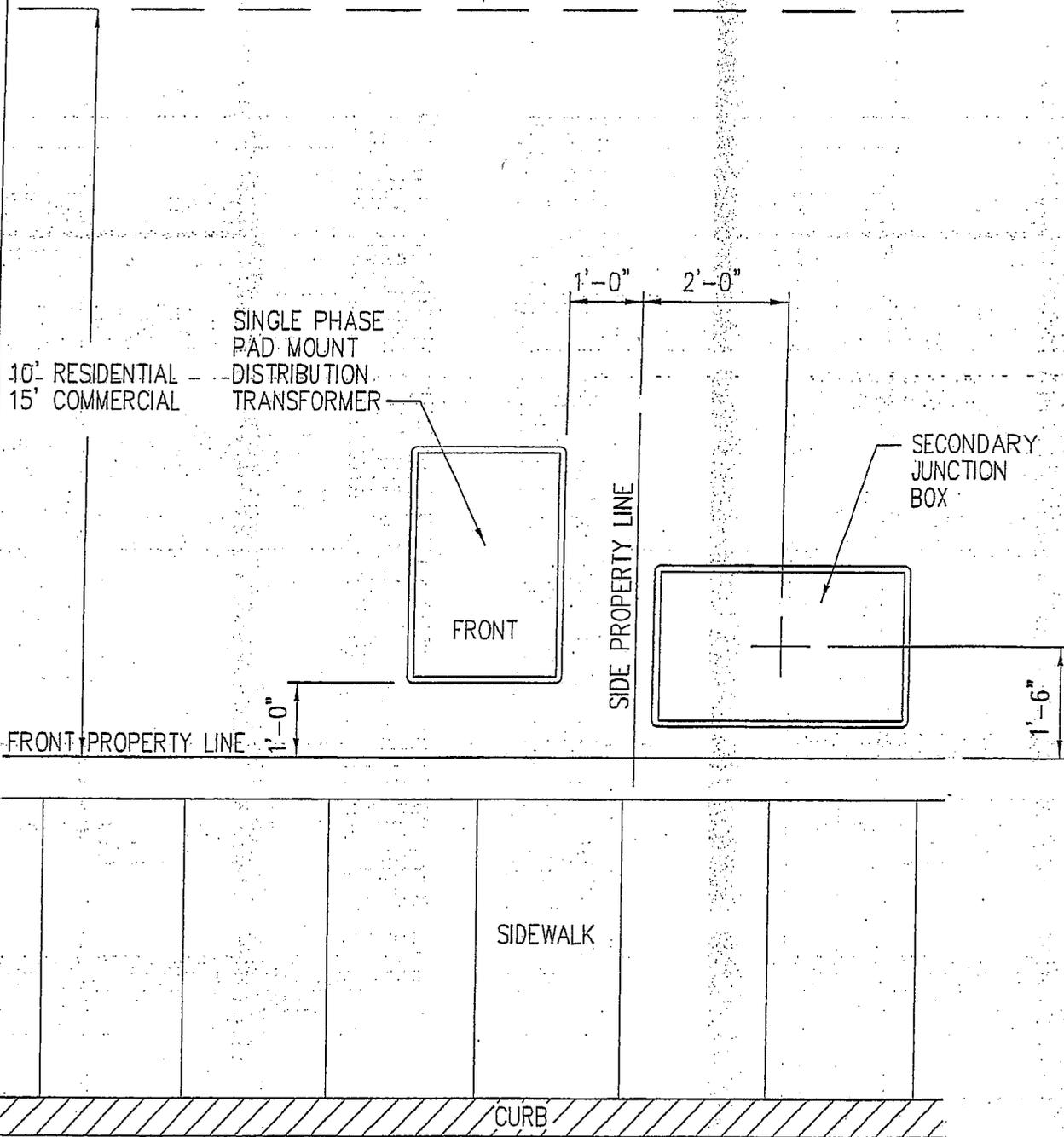


NOTE

WARNING TAPE SIX (6") RED SHALL BE INSTALLED TWELVE INCHES (12") BELOW FINAL GRADE FOR THE LENGTH OF THE ENTIRE TRENCH.

21HDET17.DWG

SINGLE PHASE PAD MOUNT TRANSFORMER AND SECONDARY JUNCTION BOX FRONT LOT LINE CONSTRUCTION

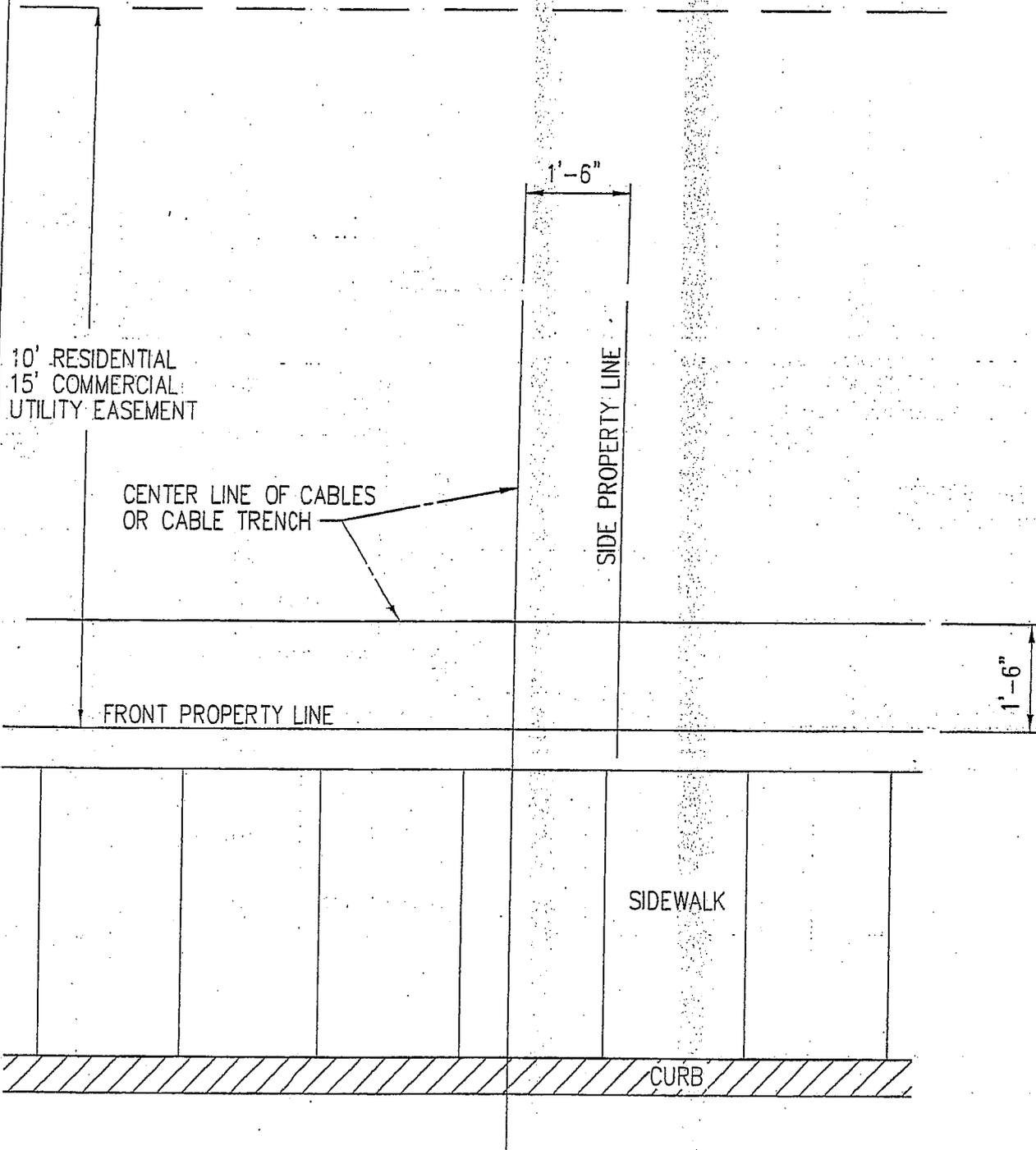


NOTES

1. IF SIDEWALK DOES NOT EXIST OR IS NOT PLANNED FOR, PLACE EQUIPMENT AS THOUGH THE CURB WERE EDGE OF SIDEWALK ON THE ABOVE.

21HDET2.DWG

UNDERGROUND CABLES FRONT LOT LINE CONSTRUCTION

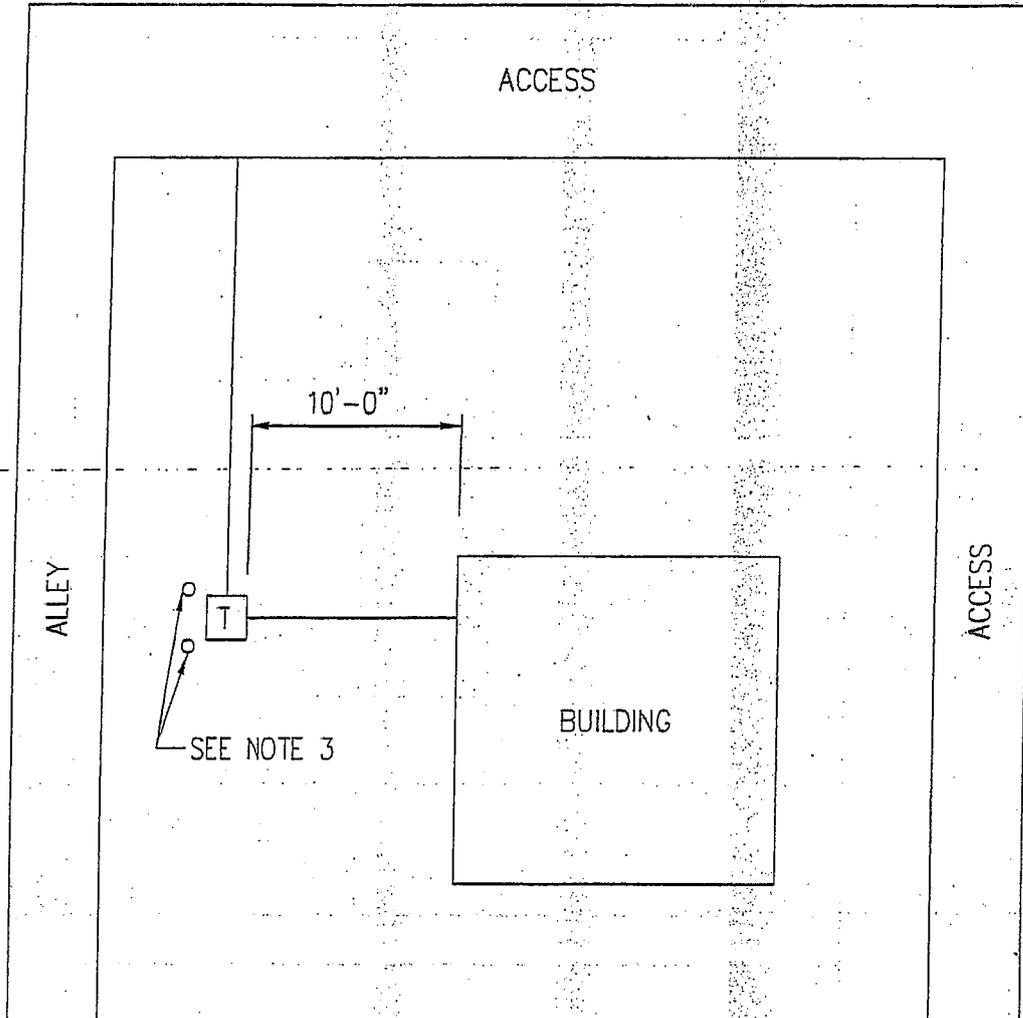


NOTES

1. IF SIDEWALK DOES NOT EXIST OR IS NOT PLANNED FOR, PLACE EQUIPMENT AS THOUGH THE CURB WERE EDGE OF SIDEWALK ON THE ABOVE.

21HDET3.DWG

COMMERCIAL BUILDINGS

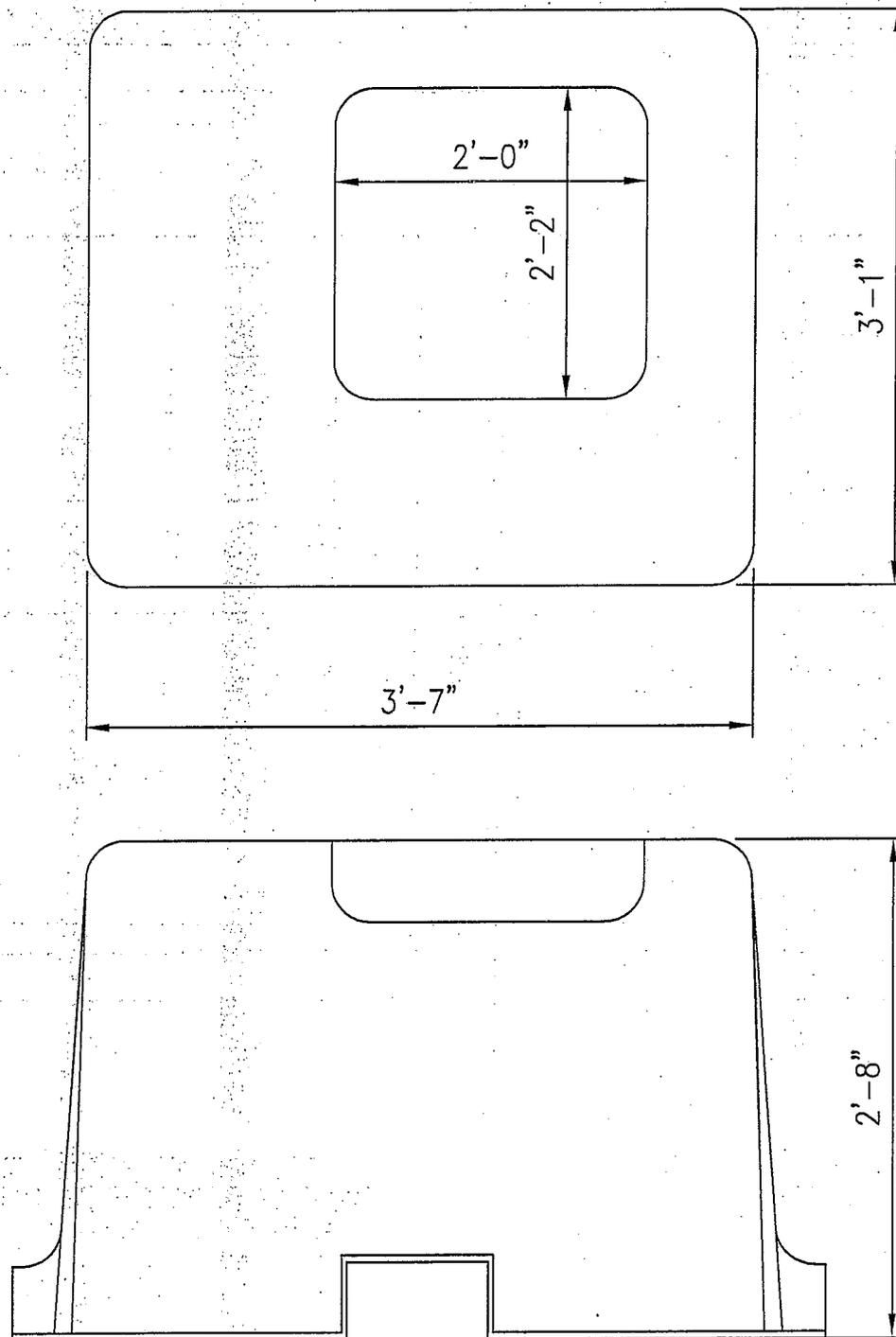


NOTES

1. URG POWER DESIGN AND INSTALLATION FOR COMMERCIAL BUILDING DEVELOPMENTS SHALL BE PERFORMED TO FRONT LOT SPECIFICATIONS AS MUCH AS POSSIBLE, SEE DRAWING LABELED "UNDERGROUND CABLES FRONT LOT LINE CONSTRUCTION" OF THESE SPECIFICATIONS.
2. IF EQUIPMENT CAN NOT BE PLACED ALONG FRONT LOT OR ACCESS WAYS, IT SHALL BE PLACED ACCORDING TO THE
3. IF TRANSFORMER IS PLACED IN A DRIVEWAY OR NEAR A PASSAGE, BOLLARDS OR PILEON SHALL BE PLACED AS SHOWN.

21HDET4.DWG

TRANSFORMER BOX PADS

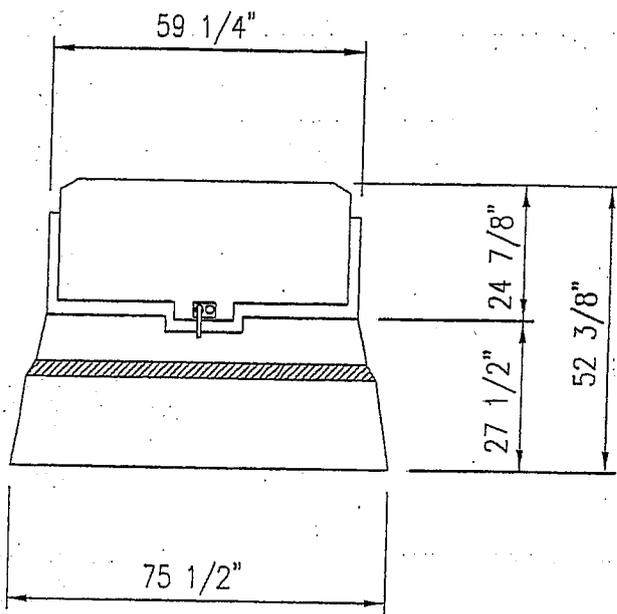
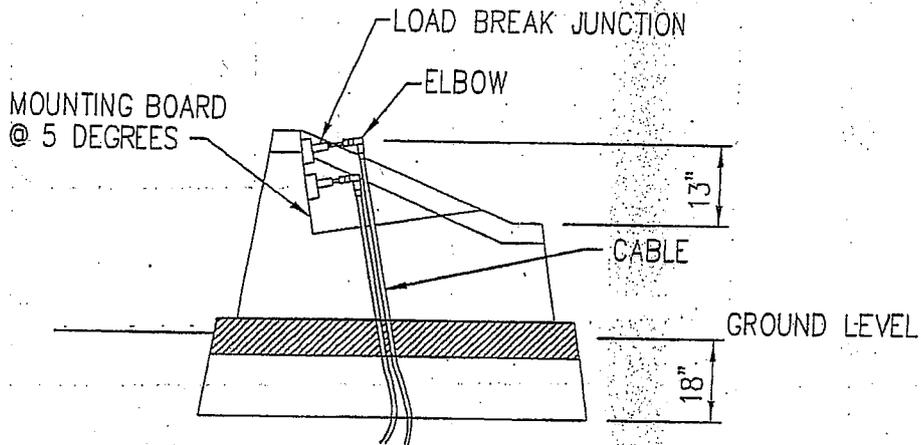


SPECIFICATIONS

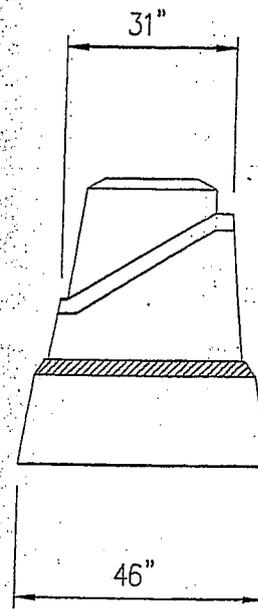
1. CONVEX SIDES WITH ONE WEDGE SUPPORT FOR ADDED STRENGTH.
2. REINFORCED CABLE-CONDUIT ENTRANCE.
3. CORROSION-RESISTANT THREADED INSERTS ARE PROVIDED FOR COVER OR EQUIPMENT MOUNTING.
4. NORDIC CBP-37-43-24I-26X24.
5. TOP WITH TWO WEDGE SUPPORTS FOR ADDED STRENGTH.

SECTIONALIZING CABINET

NORDIC-ND-350



FRONT VIEW

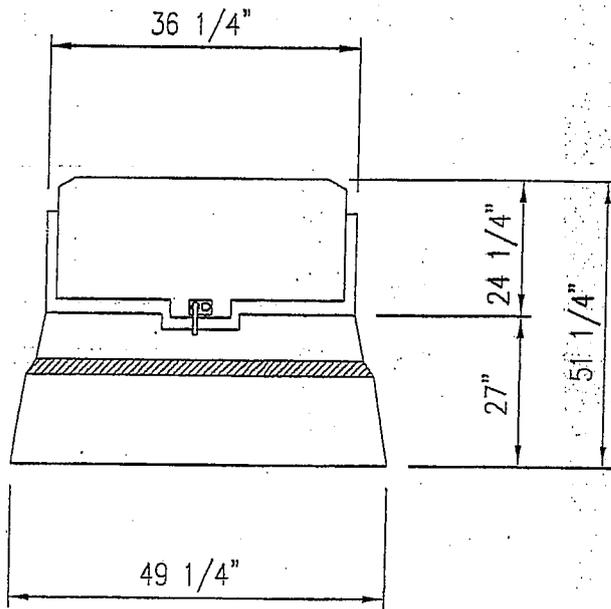
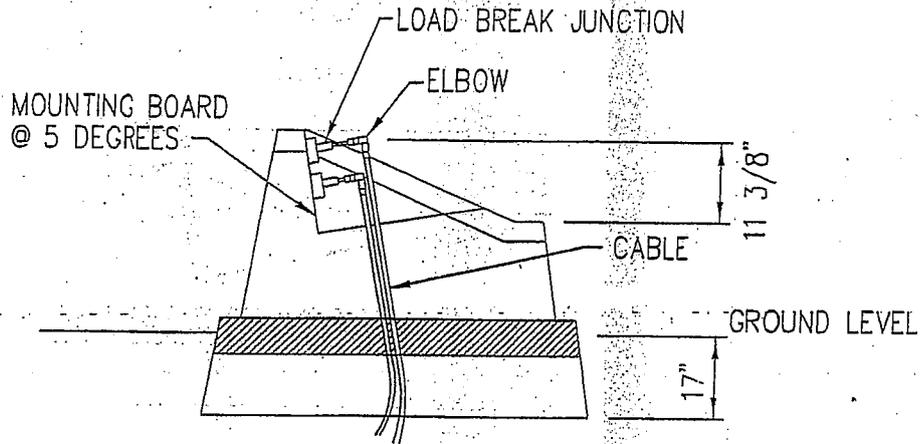


SIDE VIEW

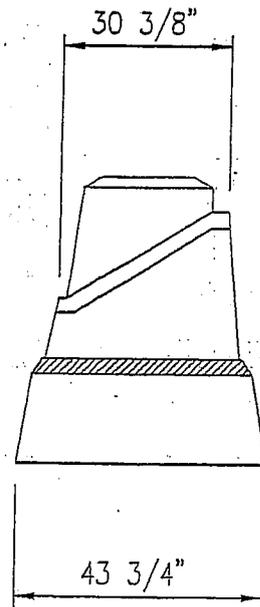
21HDET15.DWG

SECTIONALIZING CABINET

NORDIC-ND-155



FRONT VIEW

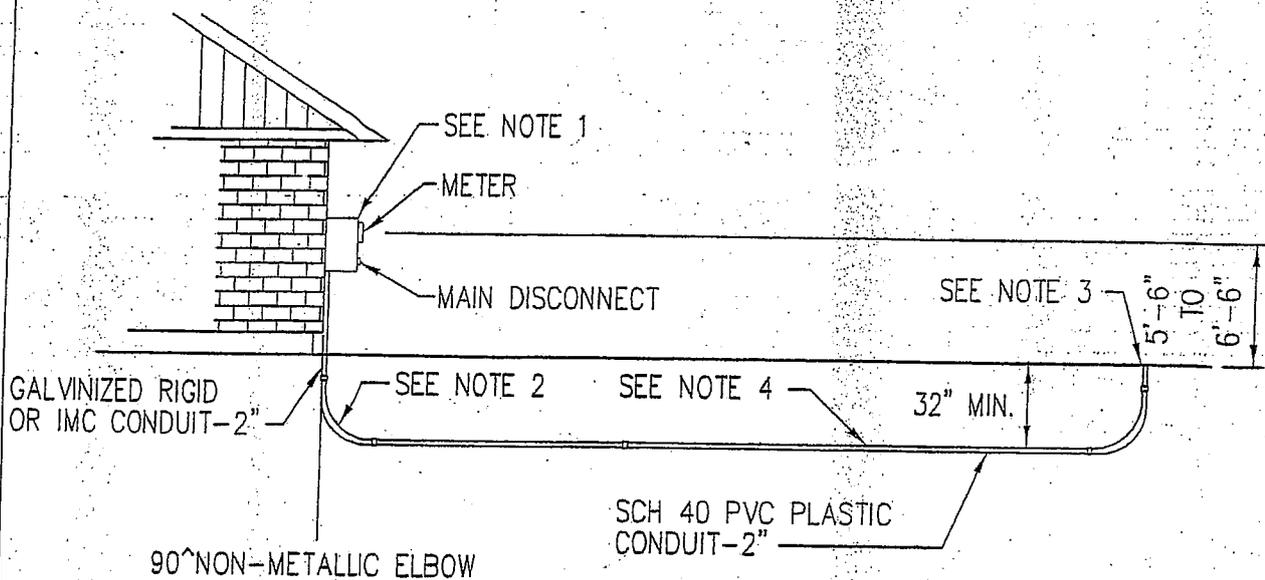


SIDE VIEW

21HDET16.DWG

IN CONDUIT SERVICE REQUIREMENTS RESIDENTIAL

PREFERRED

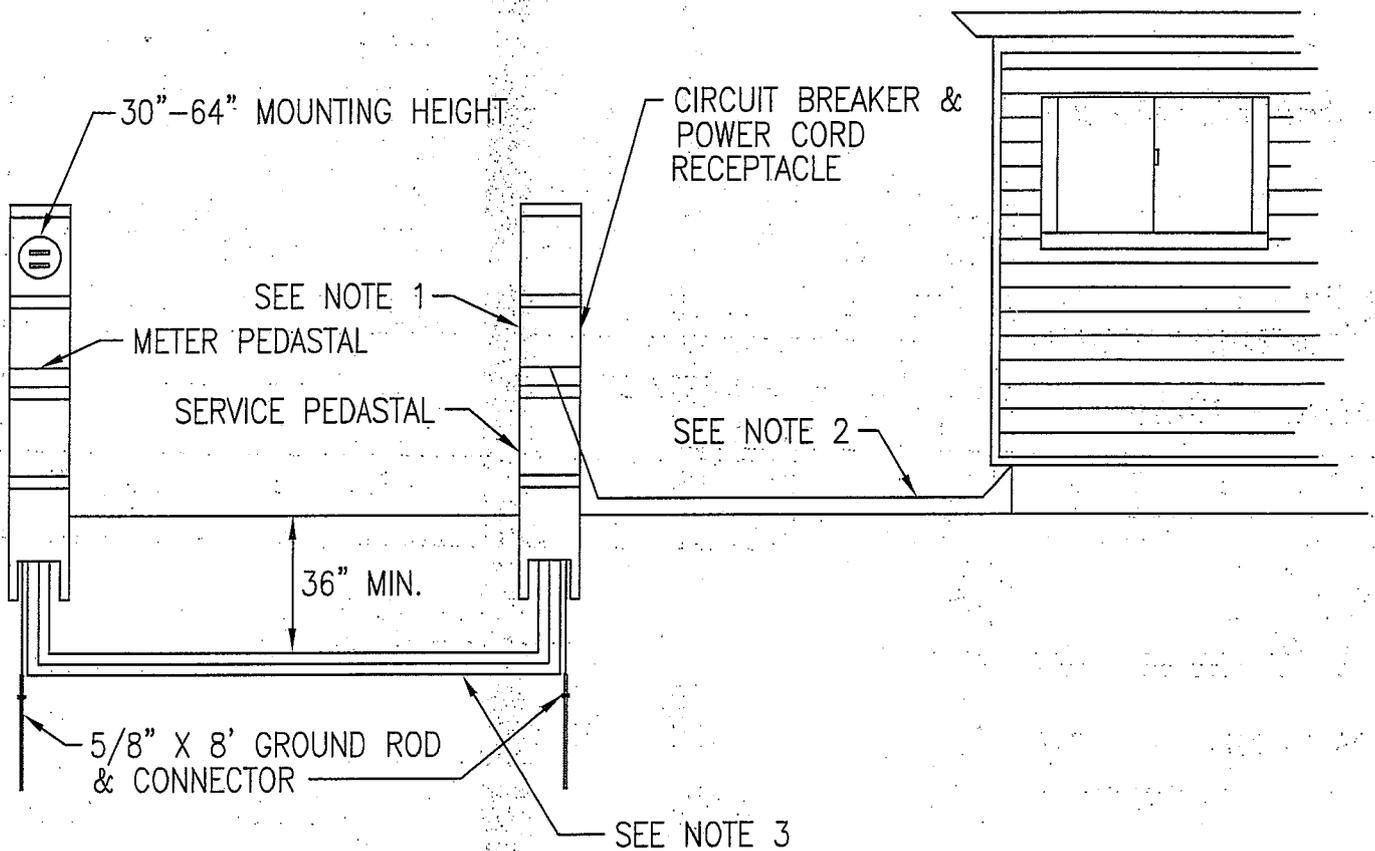


NOTES

1. METER MOUNTING PROVISION ONLY. MAIN DISCONNECTING MEANS REQUIRED ELSEWHERE.
2. MINIMUM RADIUS OF BEND EIGHTEEN INCHES (18").
3. SERVICE CONDUCTORS TO EXTEND FROM THE METER MOUNTING PROVISION TO THE END OF THE CONDUIT. IN ADDITION, A 5' LENGTH OF CABLE SHALL BE LEFT BEYOND THE END OF THE CONDUIT FOR THE CITY POWER DEPARTMENT TO MAKE ITS CONNECTIONS. CABLE ENDS TO BE SEALED.
4. PLASTIC OR IMC CONDUIT-2", CONDUIT TO BE CONTINUOUS FROM THE END OF THE ELBOW ON THE SERVICE RISE TO WITHIN 12" OF THE SECONDARY JUNCTION BOX OR TRANSFORMER.
5. METER SHALL BE PLACED AT THE BUILDING'S CLOSEST LOCATION TO THE TRANSFORMER APPROVED BY THE POWER DEPARTMENT.

21HDET14.DWG

SERVICE REQUIREMENTS—MOBILE HOMES & TRAILERS



NOTES

1. ALL METAL PARTS (BOXES, CONDUIT, ETC.) SHALL BE BONDED TO THE GROUNDING CONDUCTOR.
2. TO BE INSTALLED PER BUILDING CODE REQUIREMENT.
3. GROUNDING TO BE INSTALLED PER BUILDING CODE REQUIREMENT.
4. WIRE SIZE AND LUGS IN PEDESTAL ARE TO BE RATED TO ACCOMMODATE TOTAL AMPS OF SYSTEM.

Specifications

POST DESCRIPTION The lighting post shall be all aluminum, one-piece construction, with a classic tapered and fluted base design. The shaft shall be 5" Ø fluted. The post shall be Holophanes' catalog number CH14F5/16-CA/BZ.

MATERIALS The base shall be heavy wall, cast aluminum produced from certified ASTM 356.1 ingot per ASTM B-179-95a or ASTM B26-95. The straight shafts shall be extruded from aluminum, ASTM 6061 alloy, heat treated to a T6 temper. All hardware shall be tamper resistant stainless steel. Anchor bolts to be completely hot dip galvanized.

CONSTRUCTION The shaft shall be double welded to the base casting and shipped as one piece for maximum structural integrity. The shaft shall be circumferentially welded inside the base casting at the top of the access door, and externally where the shaft exits the base. All exposed welds below 8' shall be ground smooth. All welding shall be per ANSI/AWS D1.2-90. All welders shall be certified per Section 5 of ANSI/AWS D1.2-90.

DIMENSIONS The post shall be 14'- 0" in height with a 16" diameter x 44" tall base. The shaft diameter shall be 5". At the top of the post, an integral 3" O.D. tenon with a transitional donut shall be provided for luminaire mounting.

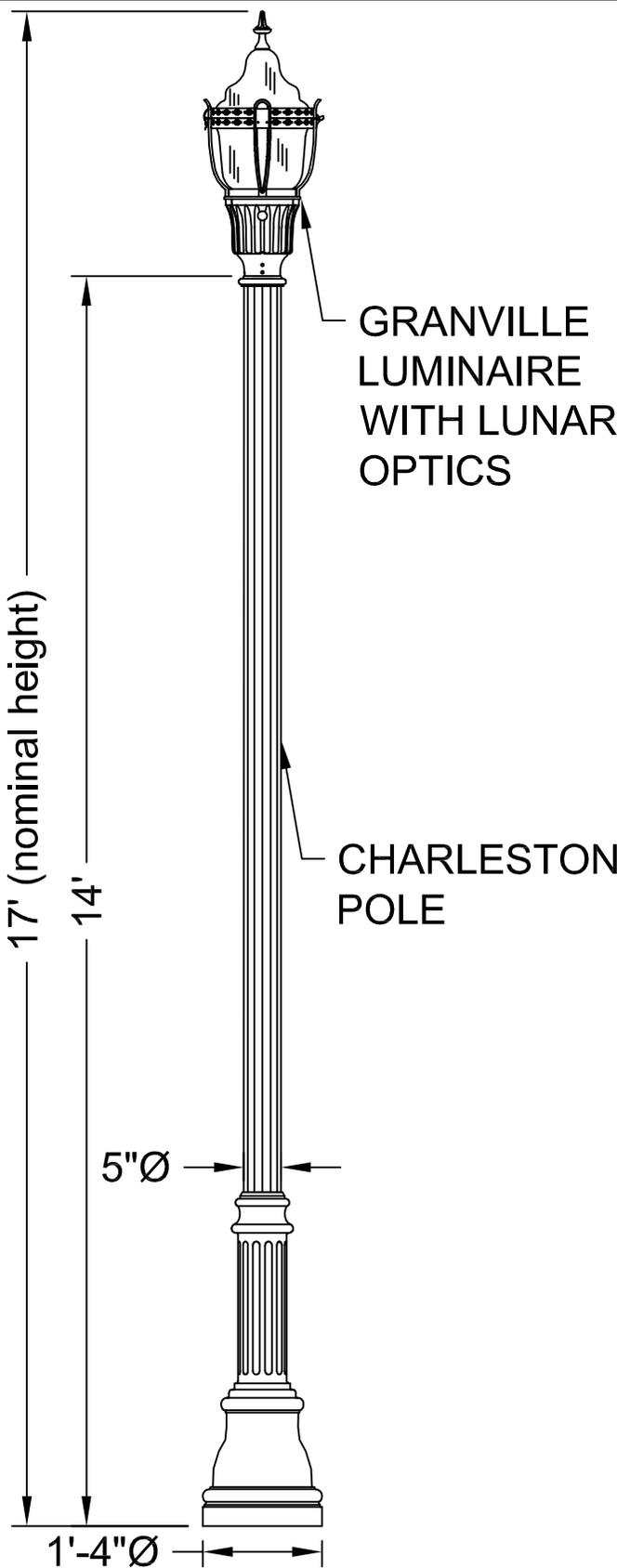
INSTALLATION The post shall be provided with four, hot dip galvanized L-type anchor bolts to be installed on a 10" to 12" diameter bolt circle. A door shall be provided in the base for anchorage and wiring access. A grounding screw shall be provided inside the base opposite the door.

LUMINAIRE DESCRIPTION LED Luminaire utility Granville with 3400 deliverable lumens max at 3,000 kelvins and maximum wattage of 40 input watts. Auto sensing ballast 120 -277 volt, photo control receptacle with LED photo cell rated for minimum of 10 years. Electrical components are mounted on a removable tray with a disconnect plug for ease of maintenance.

Luminaire provided with a prismatic borosilicate glass lens and internal lunar optics upright shield, refractor to provide an IES type III distribution. Acrylic or polycarbonate plastic lens are not acceptable. Luminaire factory pre-wired with 25' of #10 leads.

Catalog #'s:

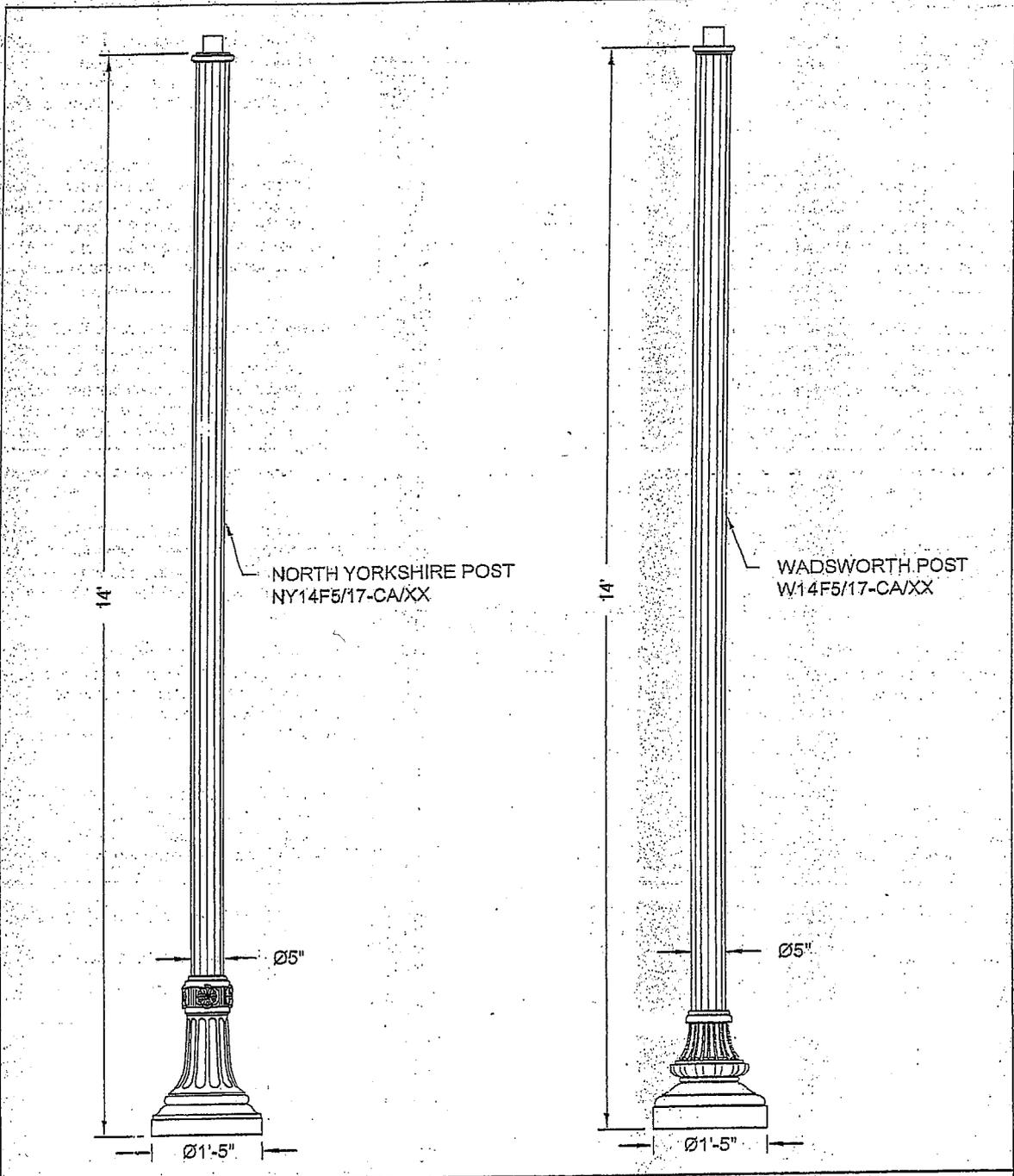
CH14F5/14-CA/BZ - GVD403KASMZ6NSZ-H-PCS-L25



Hurricane City Hurricane City, UT

ORDER #:	TYPE:	DRAWING #:
REVISION: 3	REVISION DATE:	TSG 000320
DRAWN: ACH	ORIGIN DATE:	PAGE:

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North Yorkshire and Wadsworth
Ø17" Bases

ORDER #:	TYPE:	DRAWING #:
REVISION:	REVISION DATE:	TSG.000680
DRAWN: ACH	ORIGIN DATE: 10-06-05	PAGE: 1 of 1

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21HDET28.VSD

HURRICANE CITY POST TOP STREET LIGHT

Finial: Decorative cast 356 aluminum, mechanically assembled.

Hood: Made of die cast A360.1 Aluminum alloy 0.100 (2.5mm) minimum thickness, mechanically assembled to the cast aluminum heat sink.

Access-Mechanism: A die cast A360.1 Aluminum alloy 0.100 (2.5mm) minimum thickness technical ring with latch and hinge.

Temperature: Maximum ambient operating temperature up to 40C(104F) degrees.

Lens: Made of soda lime tempered glass lens, mechanically assembled and sealed onto the ring of the access mechanism.

LED Module: Composed of 48 high performance white LEDs. Color temperature as per ANSI/NEMA bin Warm White, 3000 Kelvin nominal, CRI 70 Min. 75 Typical.

Optical System: (LE5, LE3), IES type V, or III. Edge lit optical system, no substitutions* . Optical system is rated IP66. 0% uplight and U0 per IESNA TM 15.

Driver: High power factor of 90% minimum. Electronic driver, operating range 50/60 Hz. Auto adjusting universal voltage input from 120 to 277 VAC Driver Options: (DMG), Dimming compatible 0 10 volts.

Surge Protector: Surge protector 10kV/10kA.

Lumens: 7,452 lumens in type III, 7,572 lumens, in type 5, FAWS dial at 10*.

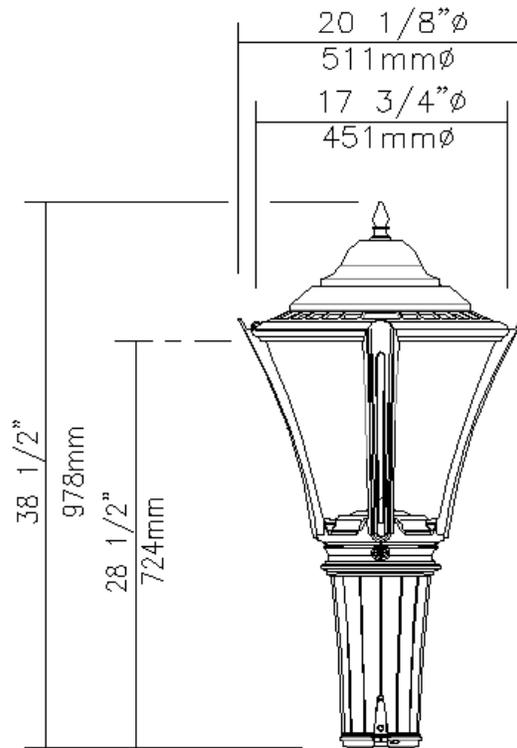
Wattage: Max 95 watts.

FAWS: Field Adjustable Wattage Switch. No substitutions*

Warranty: 10 year limited warranty. No substitutions*

Photocell Receptacle: 7 pin.

Finish: Powder coat black



Same table for type 5 and type 3 optics.

Field Adjustable Wattage (FAWS) Multiplier Chart

FAWS Position	Typical Delivered Lumens Multiplier	Typical System wattage
1	0.30	0.29
2	0.50	0.50
3	0.60	0.59
4	0.68	0.67
5	0.77	0.76
6	0.84	0.82
7	0.90	0.89
8	0.94	0.93
9	0.99	0.98
10	1.00	1.00

Note: Typical value accuracy \pm 5%

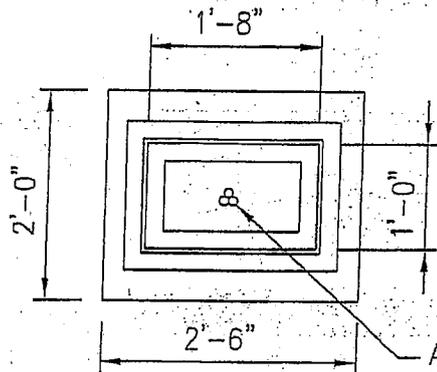
DRAWN	CJF	3/1/2019
CHK		
FINISH TYPE		
FINISH COLOR	BLACK	
REVISION		
APPROVED SIGNATURE:		

SSCO SINCE 1914
STEVENS SALES COMPANY
STREET LIGHTING SOLUTIONS

CONTACT: CARSON FILLIN WITH STEVENS SALES COMPANY
CELL: 801-682-5893 OFFICE: 801-487-8971
CARSON@SSCO.NET

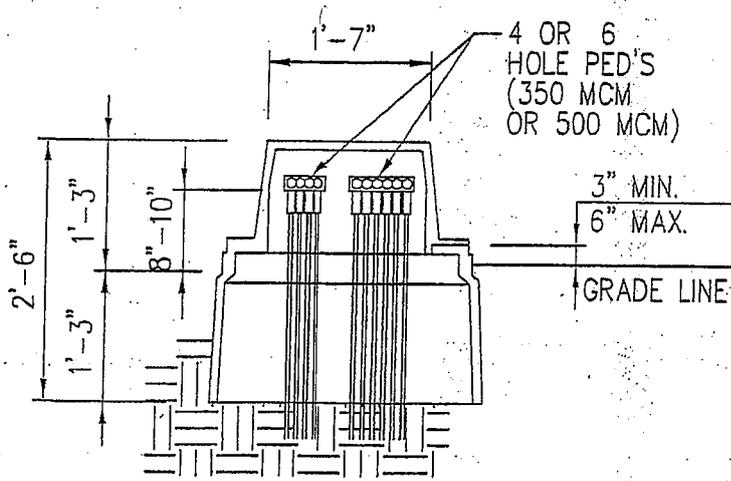
SIZE	PART #	DWG #	N/A
REV #	DESC		
			SHEET 1/1

SECONDARY JUNCTION BOX

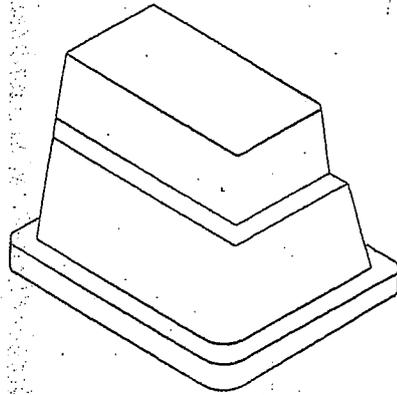
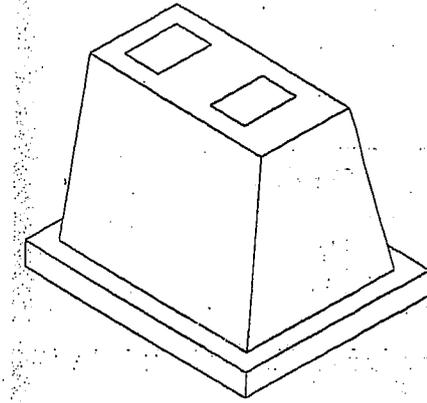


TOP VIEW

ALL CONDUITS SHALL BE IN CENTER OF SECONDARY JUNCTION BOX.



SIDE VIEW



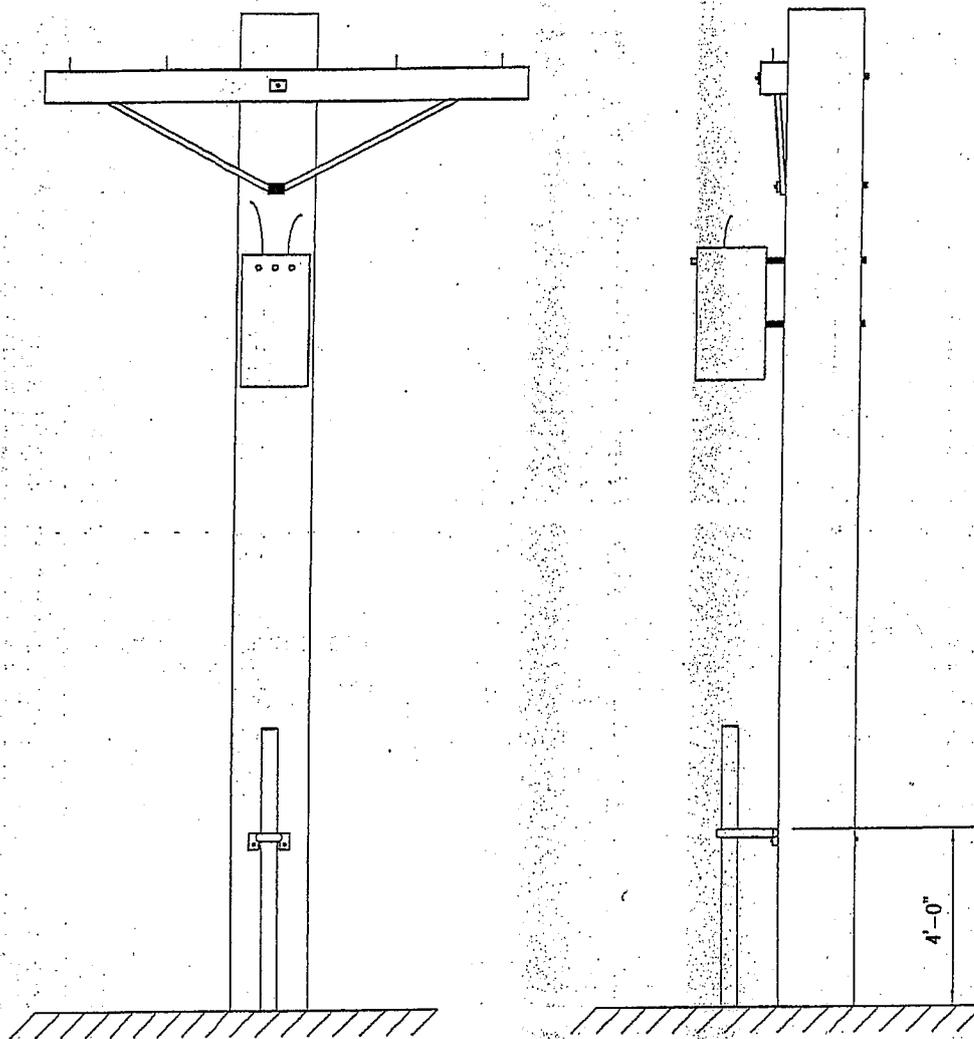
PENCELL-AG 20 HDX

NOTE

THESE SECONDARY JUNCTION BOXES WILL BE PENCELL AG-20-HDX (PEDESTAL BOTH UPPER AND LOWER UNITS).

21HDET20.DWG

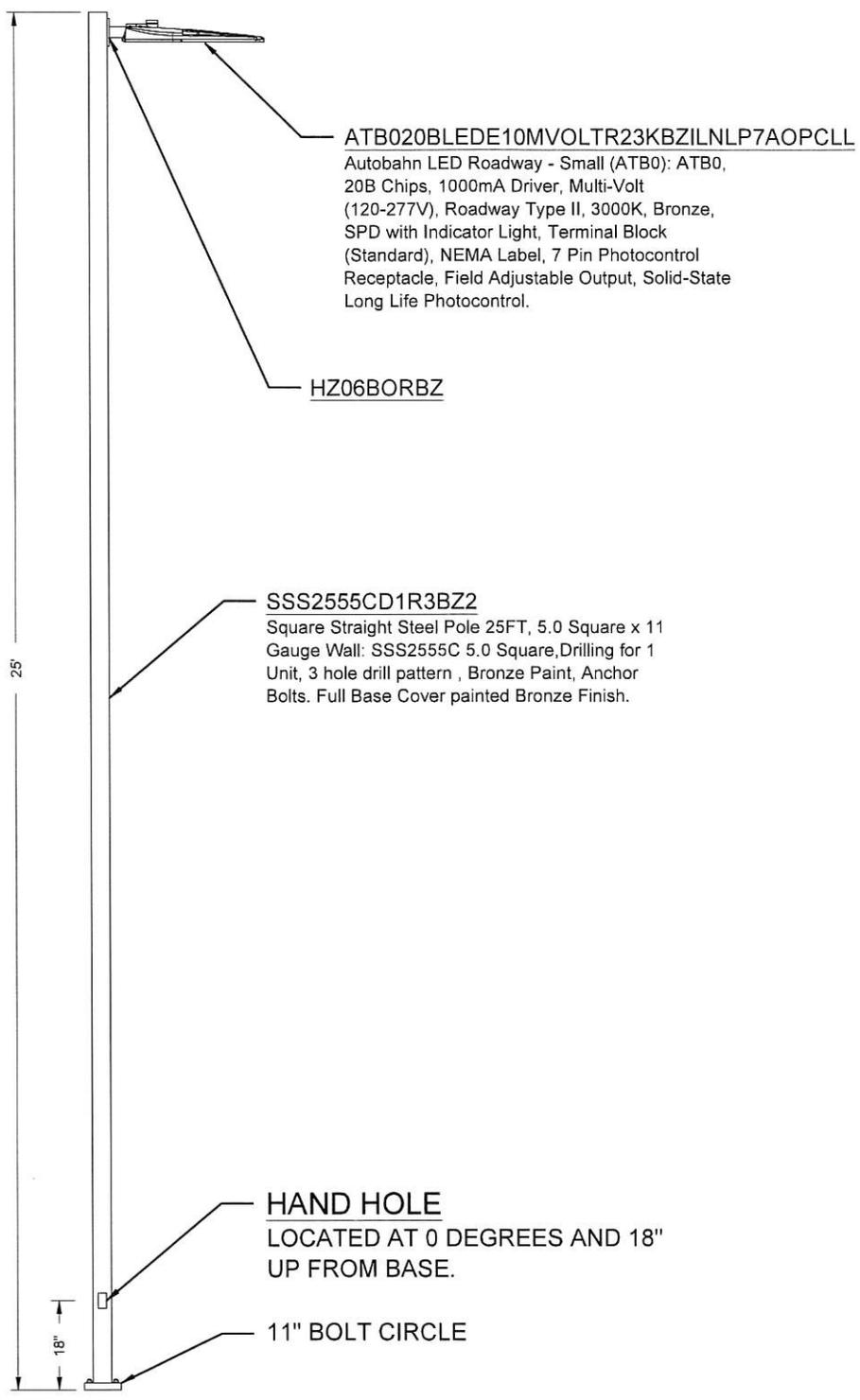
RISER DETAIL



NOTES

1. RISER CONDUIT AND BRACKET SHALL BE MOUNTED TO POLE DIRECTLY UNDERNEATH CROSSARM AND/OR TRANSFORMER.
2. MOUNTING BRACKET SHALL BE 6" ALUMIFORM (SEE HURRICANE POWER).
3. BRACKET SHALL BE MOUNTED 4' FROM GROUND LEVEL.
4. ALL RISERS SHALL BE 1MC.
5. ONE PIECE OF 1MC WILL BE SUPPLIED AND MOUNTED TO BRACKET WITH ASSOCIATED STRAP BY OWNER/CONTRACTOR.
6. WIRE WILL BE PULLED INTO CONDUIT WITH ENOUGH WIRE TO CONTINUE TO TOP OF POLE.
7. RISER COST WILL BE CHARGED AFTER HURRICANE COMPLETES RISER.
8. FOR ALTERNATE RISER LOCATION SEE HURRICANE POWER.

21HDET25.DWG



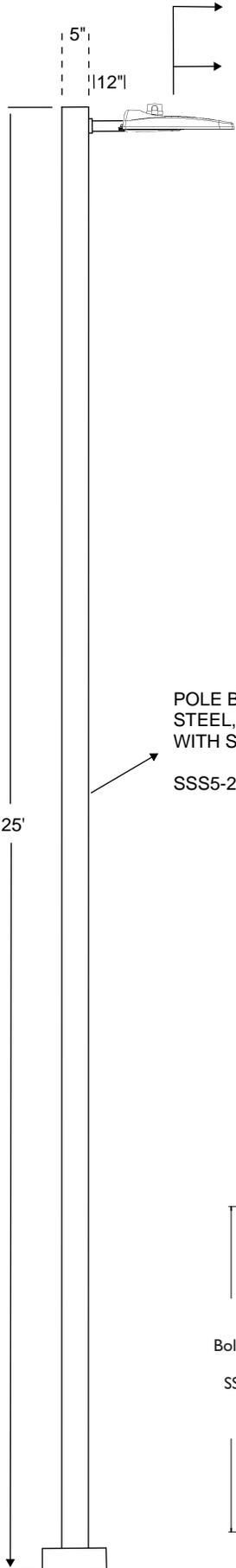
<h2>Hurricane City</h2>		
ORDER #: 2172-17-11534-1	TYPE:	DRAWING #:
REVISION:	REVISION DATE: 6-12-17	DR- 13631r1
DRAWN: BGW	ORIGIN DATE: 6-8-17	PAGE: 1

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HURRICANE CITY - SL-02 COBRA HEAD ASSEMBLY

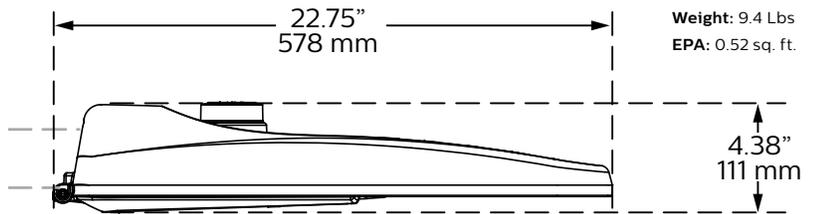
PHOTOCELL BY STEVENS SALES
EK4536KL
10 YEAR WARRANTY, BLACK.

FIXTURE BY STEVENS SALES
3000K, BLACK.
RFM-160W48LED3K-G2-R3M-UNV-
DMG-FAWS-RCD7-BK



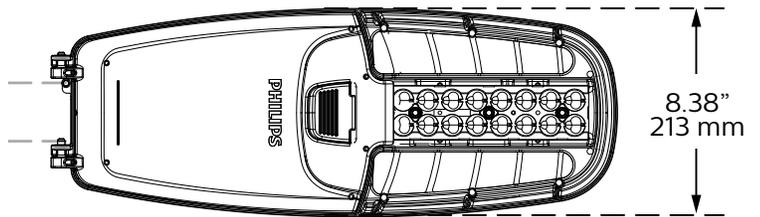
POLE BY STEVENS SALES
STEEL, 5" SQUARE, 25' TALL, BLACK
WITH SQUARE BASE COVER.
SSS5-25'-5-11-MOD-BK

Side View

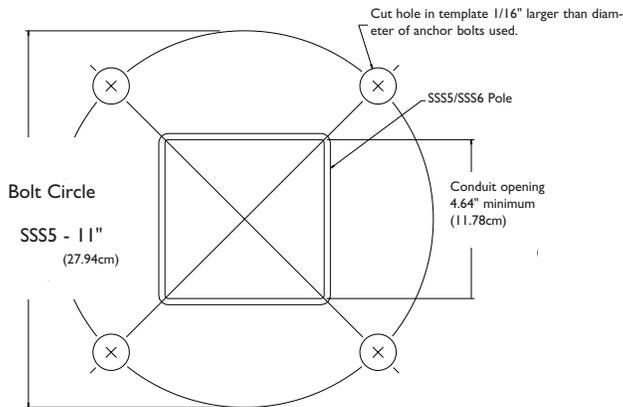


Weight: 9.4 Lbs
EPA: 0.52 sq. ft.

Bottom View



ANCHOR BOLT PATTERN DETAIL



DRAWN	CJF	1/2/2019	
CHK			
FINISH TYPE			
FINISH COLOR	BLACK		
REVISION			
APPROVED SIGNATURE:			
<p>CONTACT: CARSON FILLIN WITH STEVENS SALES COMPANY CELL: 801-682-5893 OFFICE: 801-487-8971 CARSON@SSCO.NET</p>			
SIZE	PART #	DWG #	
REV #	DESC	SHEET	
		1/2	