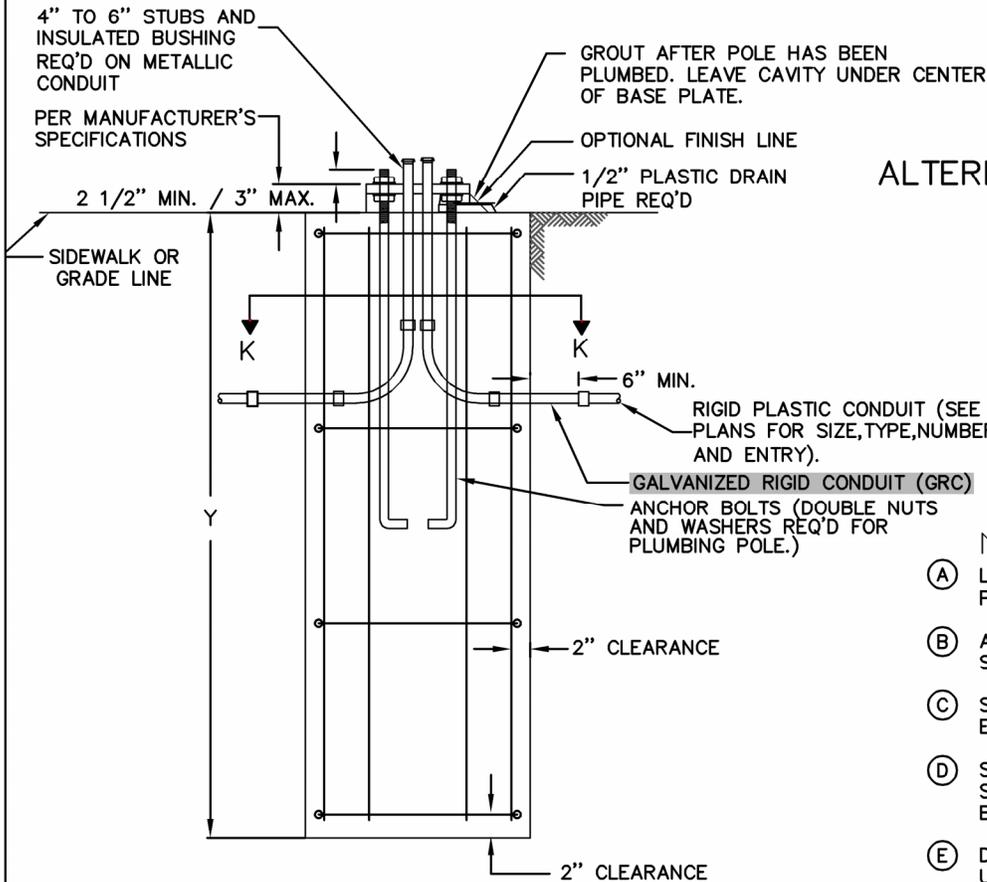
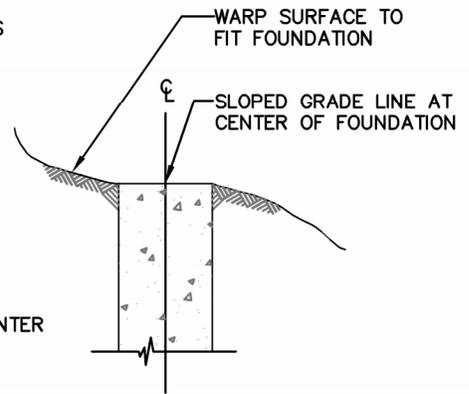
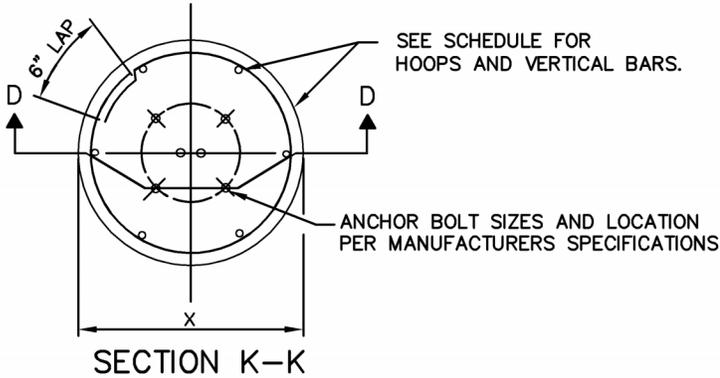


POLE FOUNDATION SCHEDULE

POLE TYPE	MT.HT.	MASTARM LENGTH	FOUNDATION TYPE	X	Y	HOOPS			VERTICAL RODS			CU. YDS. CONCRETE
						NO.	SIZE	LIN. FT.	NO.	SIZE	LIN. FT.	
PEDESTRIAN SIGNAL POLE	10'	-	A	2'-0"	5'-0"	4	#4	23'-0"	6	#4	28'-0"	.6
LIGHT POLE	25'-30'	ALL	A	2'-0"	5'-0"	4	#4	23'-0"	6	#4	28'-0"	.6
LIGHT POLE	35'	ALL	B	2'-6"	7'-0"	4	#4	29'-4"	6	#6	40'-0"	1.3
LIGHT POLE	40'-50'	ALL	C	3'-0"	8'-0"	5	#4	44'-2"	8	#6	61'-4"	2.1
SIGNAL POLE	-	20' - 45'	D	3'-0"	9'-0"	5	#4	44'-2"	8	#6	69'-4"	2.4
PED. PUSHBUTTON POLE	4'-0"	-	E	1'-6"	2'-6"	-	-	-	-	-	-	.2
DUAL MASTARM SIGNAL POLE	-	ALL	F	3'-0"	12'-0"	8	#5	70'-8"	12	#6	140'	3.1
SIGNAL POLE	-	50' - 55'	F	3'-0"	12'-0"	8	#5	70'-8"	12	#6	140'	3.1
SIGNAL POLE	-	60' - 65'	G	3'-6"	14'-0"	9	#5	78'-10"	12	#6	166'	3.7



ALTERNATE SLOPED GRADE SECTION

TYPICAL POLE FOUNDATION SECTION D-D

NOTES:

- (A) LOCATE FOUNDATIONS AS INDICATED ON THE PROJECT PLAN SHEETS.
- (B) ALL CONDUIT ELBOWS USED IN CONCRETE BASES SHALL BE **GRC**.
- (C) STEEL CONDUIT SHALL BE USED TO EXTEND ELBOWS BEYOND FOUNDATION.
- (D) SPARE STUBOUTS SHALL BE TERMINATED WITH A STEEL COUPLING AND PLASTIC PUSH PLUG AT BOTH ENDS.
- (E) DO NOT GROUT IF BREAKAWAY DEVICES ARE USED.
- (F) SEE SD-1117 FOR GROUNDING DETAILS.

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CITY OF TWIN FALLS

STANDARD POLE FOUNDATION DETAIL

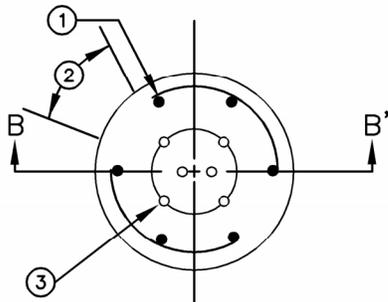
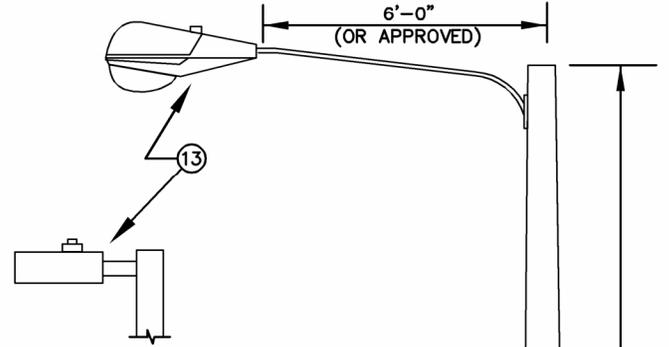
STANDARD DRAWING NO. **TFSD-1109**

LEGEND

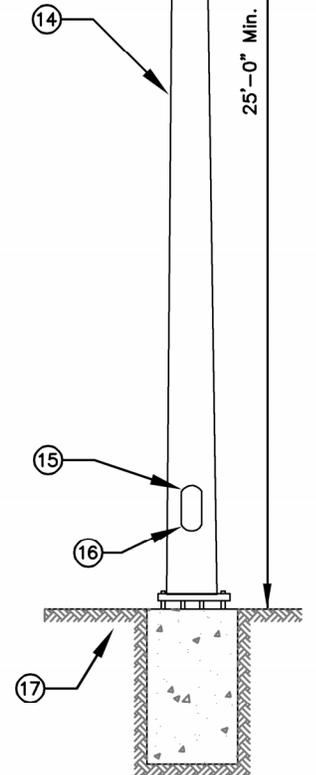
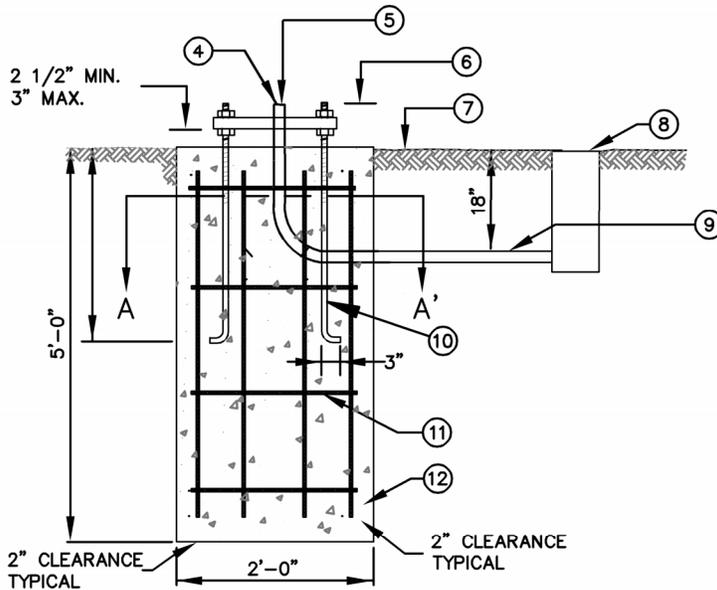
- ① 6-#4 VERTICAL REBAR.
- ② 6" LAP.
- ③ ANCHOR BOLT SIZES AND LOCATIONS PER MANUFACTURER'S SPECIFICATIONS.
- ④ 4" TO 6" STUBS.
- ⑤ INSULATED BUSHING REQUIRED WHEN CONDUIT IS USED. PER MANUFACTURE'S SPECIFICATIONS.
- ⑥ PER MANUFACTURE'S SPECIFICATIONS.
- ⑦ SIDEWALK LINE OR GRADE LINE
- ⑧ J-BOX.
- ⑨ 1" MINIMUM DIAMETER.
- ⑩ (4) ANCHOR BOLTS WITH DOUBLE NUTS FOR PLUMBING POLE, GALVANIZED, WITH (3) GALVANIZED NUTS AND (2) GALVANIZED WASHERS PER BOLT.
- ⑪ 4-#4 REBAR HOOPS.
- ⑫ C-4000 CONCRETE AS PER SECTION 700 ISPWC.
- ⑬ SEE STANDARD SPECIFICATIONS FOR REQUIRED FIXTURES.
- ⑭ GENERAL ELECTRIC ALUMINUM SEAMLESS SHAFT NO. C89H235 OR UNION METAL DESIGN 203 OR APPROVED EQUAL.
- ⑮ FUSE LOCATION.
- ⑯ WATER-TIGHT HANDHOLE.
- ⑰ BACKFILL TO BE COMPACTED TO 95%.

NOTE:

- Ⓐ SEE ISPWC FOR EXCAVATION, BACKFILLING AND CONSTRUCTION OF POLE FOUNDATION, WIRING, AND ACCEPTANCE OR REJECTION OF THE WORK.
- Ⓑ GROUND POLE TO THE SERVICE POINT VIA #6 AWG BARE WIRE PER NATIONAL ELECTRICAL CODE.
- Ⓒ #10 AWG WIRE FROM LUMINAIRE TO FUSE.
- Ⓓ FOR GROUNDING DETAILS SEE TFS-1117.



POLE FOUNDATION SCHEDULE					
HOOPS*			VERTICAL RODS*		C.Y. CONC. FND.
QTY.	SIZE	L.F.	QTY	SIZE	
4	#4	23'-0"	6	#4	0.6



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TYPICAL POLE FOUNDATION SECTION B-B'

CITY OF TWIN FALLS

25' STANDARD METAL STREETLIGHT WITH MAST ARM GREATER THAN 6'

STANDARD DRAWING NO. TFS-1116



FUSED "IN-LINE" TYPE WIRE CONNECTOR
SET SCREW TYPE ONLY

NOTES:

- (1) THE CONTRACTOR SHALL VERIFY LINE VOLTAGE PRIOR TO CONNECTING WIRE CONNECTORS.
- (2) CONTRACTOR SHALL CONNECT CONDUCTOR FROM THE WIRE CONNECTOR TO NEW LUMINAIRE WITH A NO. 10 AWG. TYPE THW. 600V INSULATED WIRE.

Photo Cell (Twist Lock type) Mark P.E. Control & Lamps with installation date.

Install Fuse:
Fast acting-100K RMS ATMR3 Amps-600VAC
Ferraz Shawmut Model FEB-81-81-BA
(or approved Equivalent).

NEC Code Approved Connector

Hand Hole

NEC Code Approved Grounding Connector

1/2" x 6" P.V.C. Conduit Sleeve Fill Top 2" With Silicone Grout.

NOTE:
Additional J-Box (Pull Box) Is Required When The Distance Between The Street Light And Fused Junction Box is 10 Feet or Greater.

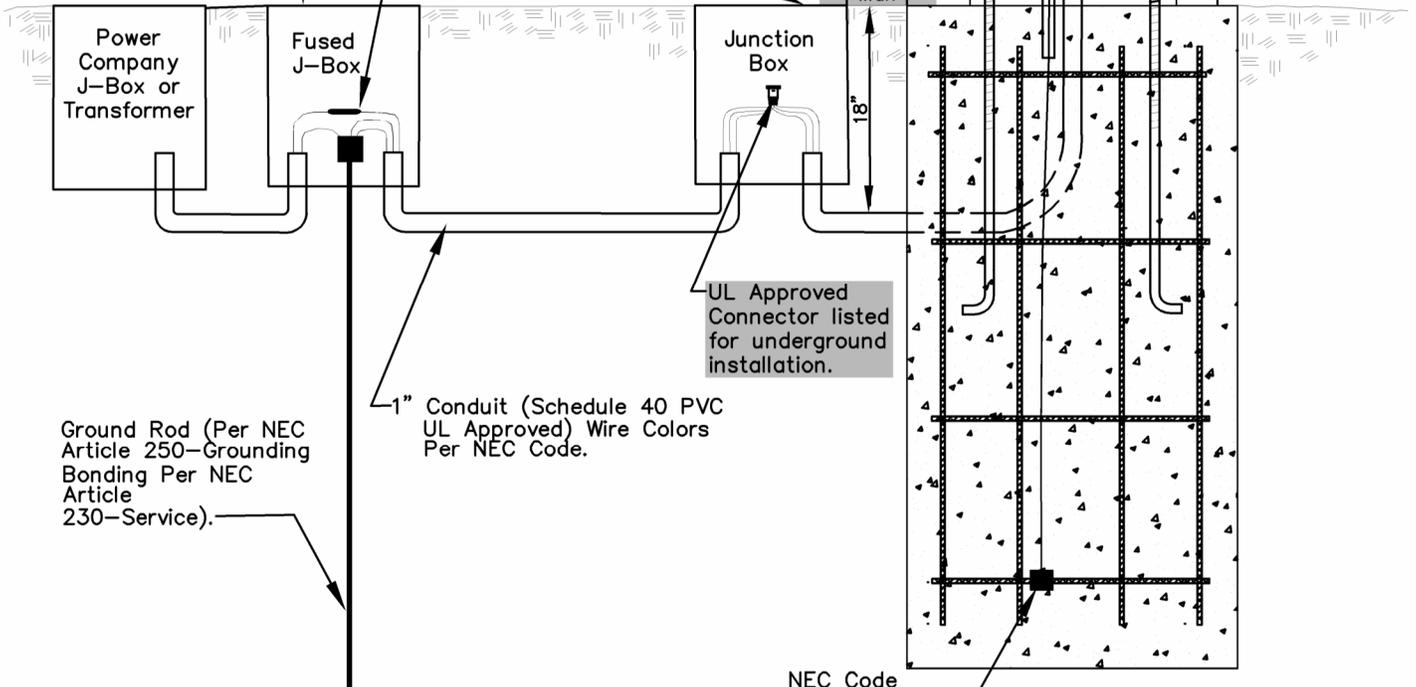
#10 Min. Wires from Fuse Connector to Fixture.

#6 Min. Wires from Power Source to Fuse Connector.

Height 4" to 6"

Install Fuse:
Fast acting-100K RMS ATMR15 Amps-600VAC
Ferraz Shawmut Model FEB-81-81-BA
(or approved Equivalent).

Install Fused Junction Box (Approved Underground enclosure) To be set within 3 feet of Power Company J-Box or Transformer.



UL Approved Connector listed for underground installation.

Ground Rod (Per NEC Article 250-Grounding Bonding Per NEC Article 230-Service).

1" Conduit (Schedule 40 PVC UL Approved) Wire Colors Per NEC Code.

NEC Code Approved Grounding Connector

- NOTE
- 1. For Concrete Base Details See ISPWC Standard Drawing SD-1109.
 - 2. Ground Rod May Be Placed in Lieu of Connection to Rebar Cage.