

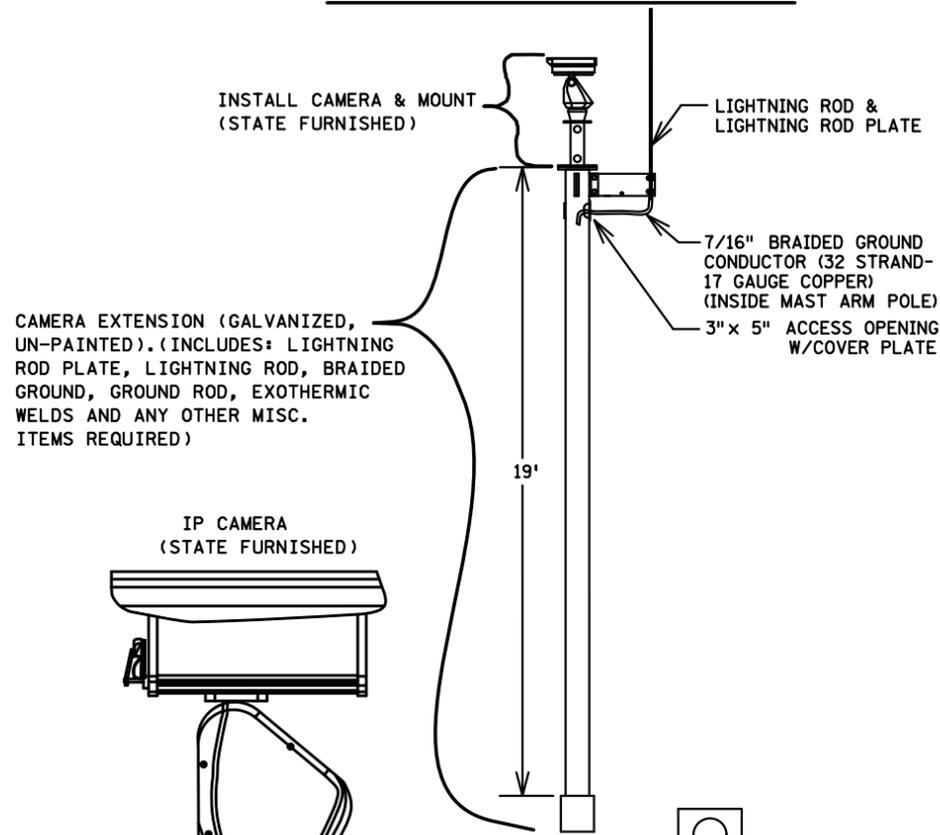
X-400 CAMERA EXTENSION

X6-350/CAM 400 EXTENSION

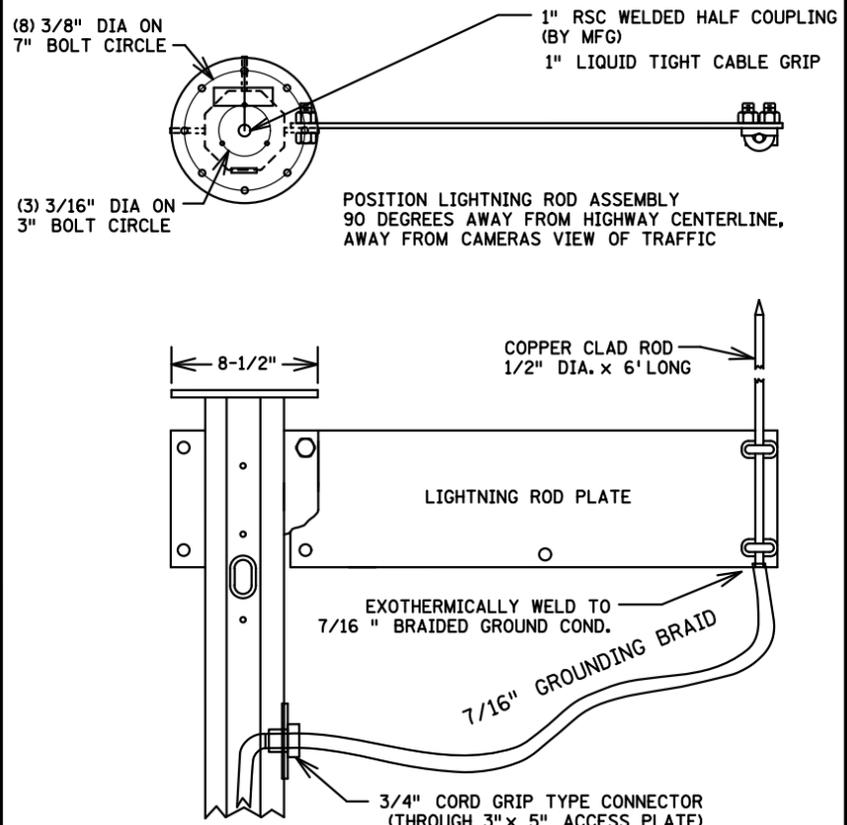
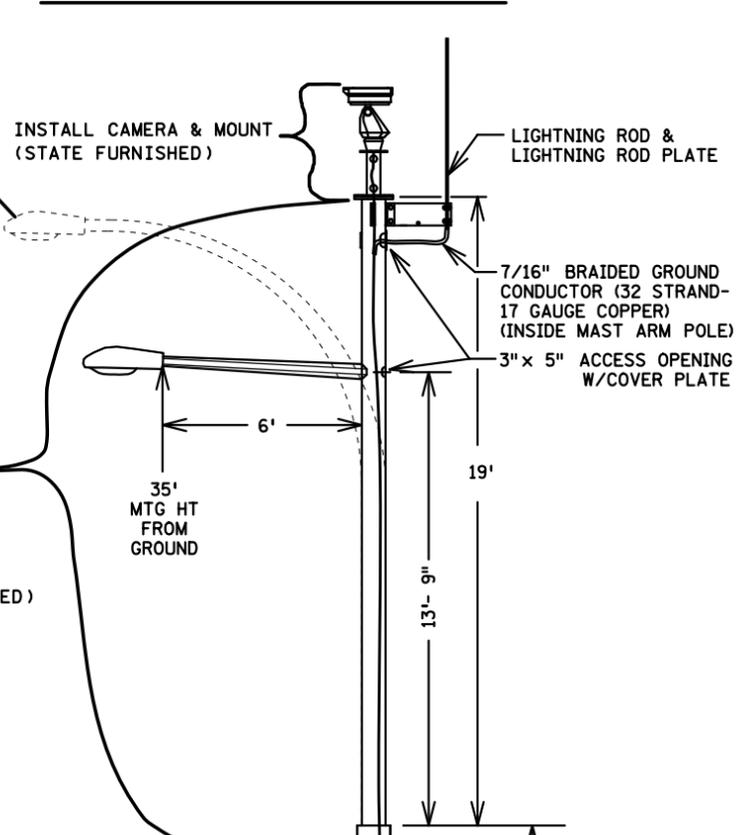
EXTENSION TOP & LIGHTNING PROTECTION DETAIL

PLOTTED/REVISED: 4/22/2014

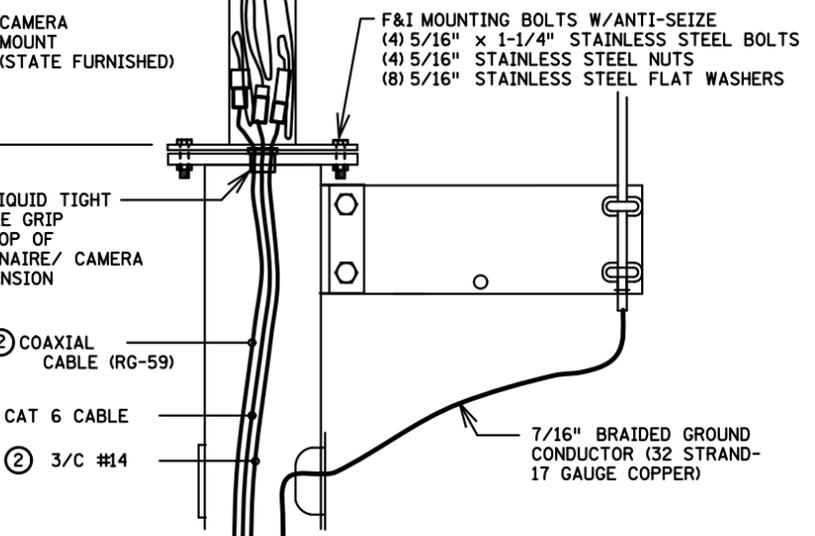
DISTRICT #: METRO
 IPLOT NAME: IP_Camera_Extension_Detail (04-22-14)
 PATH & FILENAME: IP_PWP-dl49956\IP_Camera_Extension_Detail (04-22-14).dgn



THE TYPICAL D40-9 LUMINAIRE EXTENSION IS NOT USED WHEN THE X6-350/CAM 400 EXTENSION IS REQUIRED

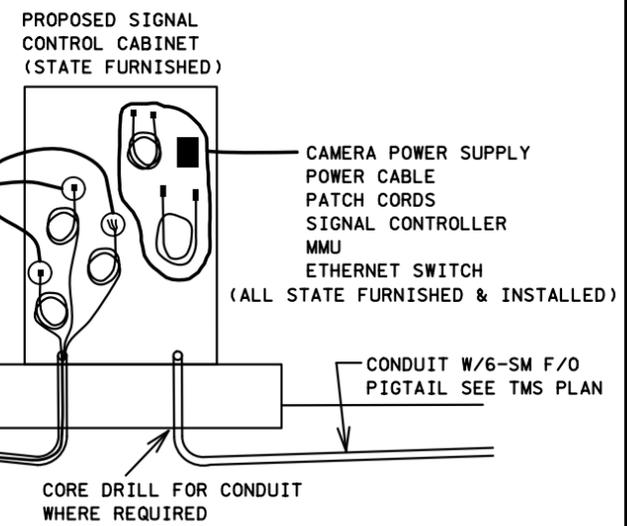


- NOTES:**
- 1) FURNISH & INSTALL 7/16" BRAIDED GROUND CONDUCTOR INSIDE MAST ARM POLE AND THROUGH INPLACE CONDUIT TO CLOSEST HANDHOLE (SEE LAYOUT).
 - 2) CONTRACTOR SHALL EXOTHERMICALLY WELD 7/16" BRAIDED GROUND WIRE TO GROUND ROD IN HANDHOLE.
 - 3) NO SPLICES ALLOWED IN 7/16" BRAIDED GROUND WIRE.
 - 4) CONTRACTOR SHALL CUT A 3/4" KNOCK OUT HOLE IN THE INSPECTION PLATE NEAR THE CAMERA AND PLACE A 3/4" CORD GRIP TYPE FITTING TO RUN THE 7/16" BRAIDED GROUND CONDUCTOR INTO THE POLE.

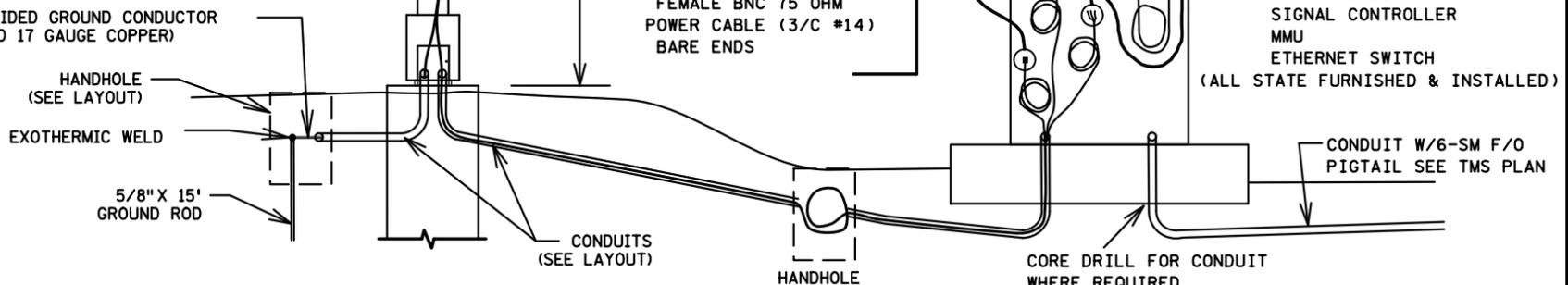


- REQUIRED CABLES, (WITH PROPER TERMINATIONS) BETWEEN THE SIGNAL CONTROL CABINET AND THE CAMERA.
- COAXIAL RG-59
 - CAT 6 (NOT TO EXCEED 300' LENGTH)
 - 3-C#14 (CAMERA POWER)
 - 7/16" BRAIDED GROUND CONDUCTOR (32 STRAND 17 GAUGE COPPER) TO GROUND ROD IN HANDHOLE

- REQUIRED CABLE TERMINATIONS
- COM CABLE (CAT 6)
 - RJ-45 (T-568B)
 - COAXIAL CABLE (RG-59)
 - FEMALE BNC 75 OHM
 - POWER CABLE (3/C #14)
 - BARE ENDS



- 1 THE CAMERA IS SUPPLIED WITH 20" CABLE PIGTAILS, TERMINATED WITH THE CONNECTORS AS INDICATED ON THE IP CAMERA CONNECTOR DETAIL SHEET.
- 2 THE F&I CABLES SHALL BE FIELD TERMINATED WITH CONNECTORS, MATCHING CONNECTORS SUPPLIED WITH THE CAMERA. ALL FIELD TERMINATIONS/CONNECTORS SHALL BE INSTALLED AS RECOMMENDED BY THE MANUFACTURER OF THE CONNECTOR, AND USING THE SPECIFIED INSTALLATION TOOLS.

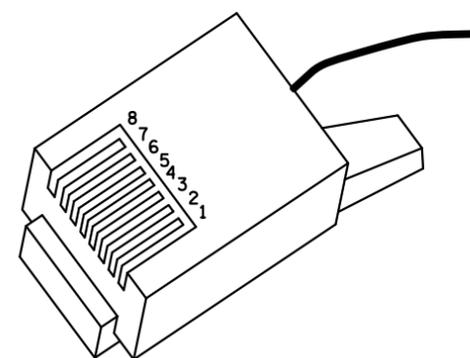
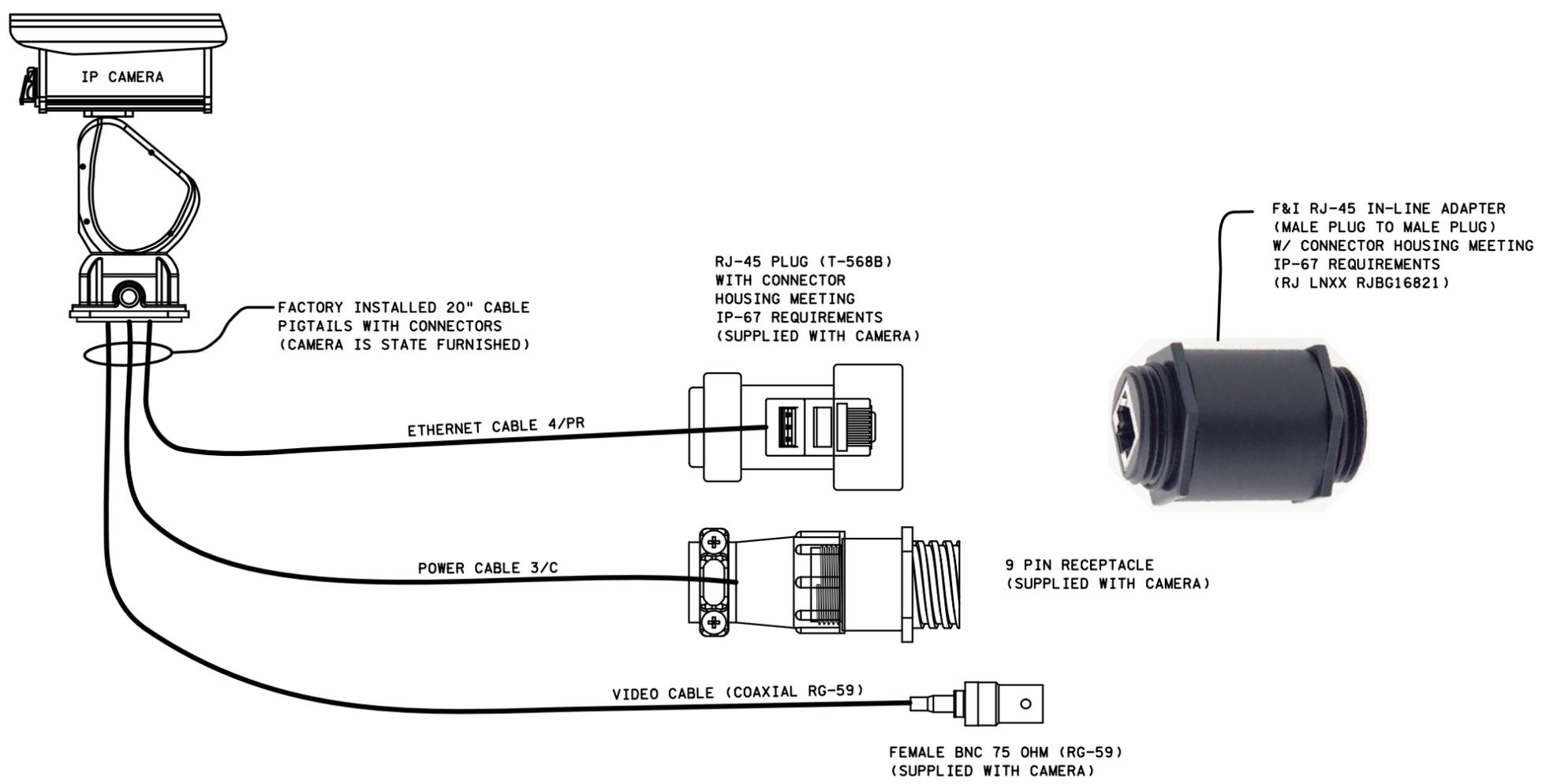


BY	DATE	REVISIONS	SYSTEM ID:	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE: 04-22-14
			METER ADDRESS:		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.)	SHEET NO.	OF SHEETS

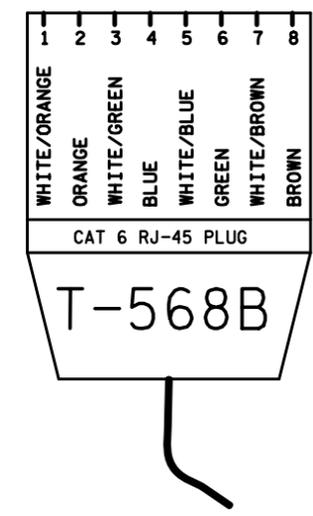
**LUMINAIRE/CAMERA EXTENSION DETAIL
 TYPE X6-350/CAM400 LUMINAIRE EXTENSION**

PLOTTED/REVISED: 4/22/2014

DISTRICT #: METRO
 IPLOT NAME: IP_Camera_Extension_Detail (04-22-14)
 PATH & FILENAME: IP_PWP-dl49956\IP_Camera_Extension_Detail (04-22-14).dgn



CABLE TYPE	CAMERA SIDE CONNECTOR (SUPPLIED WITH CAMERA)	MATING CONNECTOR (FURNISH & INSTALL)
VIDEO CABLE (COAXIAL RG-59)	(RG-59) 75 OHM FEMALE BNC	(RG-59) 75 OHM MALE BNC
POWER CABLE (3/C#14)	AMP PART 206705-2 RECEPTACLE AMP PART 66103-4 24-20 AWG MALE CONTACT (YELLOW DOT) AMP PART 66099-4 18-16 AWG MALE CONTACT (BLUE DOT) AMP PART 206966-7 CABLE CLAMP KIT	AMP PART 206708-1 PLUG AMP PART 66360-4 18-14 AWG FEMALE CONTACT (BLUE DOT) (QTY 3) AMP PART 206966-7 CABLE CLAMP KIT
COMMUNICATIONS & CONTROL CABLE (CATEGORY 6)	RJ LYNXX INDUSTRIAL FEMALE-FREE END (RJ-45 JACK WITH HOUSING MEETING IP-67 REQUIREMENTS)	RJ LYNXX PART ENSAM315 (RJ-45 PLUG WITH HOUSING MEETING IP-67 REQUIREMENTS)



BY	DATE	REVISIONS	SYSTEM ID:	T.E.	S.A.P. NO.	DRAWN BY:	CKD BY:	DATE: 04-22-14
			METER ADDRESS:		CERTIFIED BY _____	LIC. NO. _____	DATE: _____	
			MASTER ID:	T.E.	STATE PROJ. NO.	(T.H.)	SHEET NO.	OF SHEETS

IP CAMERA CONNECTORS DETAIL