

	NOTES
REPLACEABLE GAS OR DIRECT GROUND CONNECTION. dB MAX; IMPEDANCE = 50 Ohm;	1,2,3
R. REPLACEABLE N. E = ±58 VOLTS	1,3,4
NATION OF #6 AWG STRANDED	
PHASE = 36kA.	5

	REFERENCE NOTES:	STE OF MISSO
INDU I T	(1) PROVIDE COAXIAL SURGE SUPPRESSOR AS CLOSE TO THE CENTER OF THE DRIP LOOP AS POSSIBLE. PROVIDE WATERPROOF COAXIAL SPLICE KIT TO ENCLOSE SURGE SUPPRESSOR. MOUNT CONDUIT TO EXISITNG CONCRETE BASE AND PROVIDE WEATHER-HEAD. PROVIDE GROUNDING CONNECTION AS SHOWN.	NUMBER PE-2010007729
ABLE TYPE.	PROVIDE COAXIAL SURGE SUPPRESSOR AS CLOSE TO THE EXISTING TRIMBLE UNIT AS POSSIBLE. PROVIDE GROUNDING CONNECTION AS SHOWN.	DATE Date prepared 4/1/2016
	3 PROVIDE CAT5/5E/6 SURGE SUPPRESSOR IN LINE WITH BUILDING NETWORK CABLE. PROVIDE GROUNDING CONNECTION AS SHOWN.	ROUTE STATE MO DISTRICT SHEET NO. 1
	(4) PROVIDE GROUND BRIDGE AND PROVIDE GROUNDING CONNECTIONS AS SHOWN.	JOB NO. MOU NO. 16
	5 INSTALL SURFACE MOUNTED BOX WITH SIMPLEX RECEPTACLE FOR CONNECTION TO TRIMBLE POWER SUPPLY. PROVIDE SURGE PROTECTION DEVICE MOUNTED TO SURFACE MOUNTED BOX. VERIFY NEMA CONFIGURATION WITH EXISTING TRIMBLE GPS UNIT POWER SUPPLY CABLE.	PROJECT NO. BRIDGE NO.
	6 PROVIDE CORD AND PLUG (MINIMUM #14AWG WITH GROUND) FOR CONNECTION OF SIMPLEX RECEPTACLE TO EXISTING UPS, VERIFY NEMA CONFIGURATION WITH EXISTING UPS, PROVIDE KELLUMS STRAIN RELIEF ON CORD AS REQUIRED.	PTION
	(7) EXISTING UPS TO REMAIN. FIELD VERIFY EXACT LOCATION.	DESCRIPTI
	SPROVIDE Solution DIAMETER BY 10'-0" LONG COPPER-CLAD STEEL GROUND ROD. DRIVE GROUND ROD UNTIL TOP IS 2 INCHES BELOW GRADE. CONNECT GROUNDING CONDUCTOR TO GROUND ROD WITH EXOTHERMIC WELD CONNECTION BELOW GRADE.	
	(9) EXISTING OUTDOOR GPS ANTENNA ON CONCRETE BASE. FIELD VERIFY EXACT LOCATION.	DATE
	(10) EXISTING TRIMBLE GPS REFERENCE STATION. FIELD VERIFY EXACT LOCATION.	SPORTION EST CAPITOL Y. MO 65102 8-275-6636)
	GENERAL NOTES:	RAN 05 w 01-88
	1. CONTRACTOR SHALL ADHERE TO ALL APPLICABLE STATE AND LOCAL BUILDING CODES.	S AND T ISSION EFFERSON
EXISTING BUILDING POWER	2. INTENT OF WIRING DIAGRAM IS TO PROVIDE PROTECTION FOR THE EXISTING TRIMBLE GPS UNIT FROM LIGHTNING STRIKE BY PROVIDING SURGE SUPPRESSION DEVICES AT EACH INPUT AND OUTPUT OF TRIMBLE GPS UNIT. IF INPUT/OUTPUT CONNECTIONS ARE PRESENT THAT ARE NOT LISTED ON THE WIRING DIAGRAM, COORDINATE ANY ADDITIONAL SURGE SUPPRESSION DEVICES WITH OWNER.	I SSOURI HIGHWAY COMM 1-888-ASK
	3. ANY PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE SEALED TO PREVENT WATER FROM ENTERING THE BUILDING. ANY PENETRATIONS THROUGH FIRE RATED WALLS SHALL BE SEALED TO PROPERLY MAINTAIN EXISTING FIRE RATING.	
	4. EXISTING CONDITIONS AND EQUIPMENT LOCATIONS WILL VARY FROM SITE-TO-SITE. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS PRIOR TO INSTALLATION. CONTRACTOR SHALL COORDINATE ALL NEW EQUIPMENT LOCATIONS WITH OWNER.	FFERSON CITY MO 65 FAX 573-634-7904 RITY NO. 000167 ST.COM
	5. CONTRACTOR SHALL INSTALL ALL NECESSARY FITTINGS, CABLES, ADAPTERS, ETC. AS NEEDED TO PROVIDE A FULLY FUNCTIONAL SYSTEM.	GE DR. SUITE 100 - JEF
	6. CONTRACTOR SHALL INSTALL ALL GROUNDING CONDUCTORS WITH LONG RADIUS BENDS, 90 DEGREE BENDS WILL NOT BE ACCEPTABLE,	THRIDGE DR. SL PHONE 573- CERTIFICA
	7. WHERE TERM "PROVIDE" IS USED, ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL ASSOCIATED EQUIPMENT.	
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