

POWER CABLES

DESIGNATION	CABLES (SEE NOTES)	FROM	TO
P1	(SEE NOTE 4)	METER CABINET	ITSS DISCONNECT\ITSS PANELBOARD
P2	(2) #2 AWG + #4 AWG GND	ITSS DISCONNECT	ITSS TRANSFORMER
P3	(3) #3/0 AWG + #4 AWG GND	ITSS TRANSFORMER	TRANSFER SWITCH
P4	(3) #3/0 AWG + #4 AWG GND	TRANSFER SWITCH	GENERATOR RECEPTACLE
P5	(3) #3/0 AWG + #4 AWG GND	TRANSFER SWITCH	ITSS PANELBOARD
P6	(3) #2 AWG + #4 AWG GND	ITSS PANELBOARD	SCC DISCONNECT
P7	(3) #2 AWG + #4 AWG GND	SCC DISCONNECT	SCC PANELBOARD
P8	(2) #8 AWG + #8 AWG GND	SCC PANELBOARD	UPS
P9	(2) #8 AWG + #8 AWG GND	UPS	UPS PANELBOARD
P10	(3) #10 AWG + #10 AWG GND	UPS PANELBOARD	CMS 1
P11	(3) #10 AWG + #10 AWG GND	UPS PANELBOARD	CMS 2
P12	(3) #4 AWG + #8 AWG GND	SCC PANELBOARD	VMS 1
P13	(3) #4 AWG + #8 AWG GND	SCC PANELBOARD	VMS 2
P14	(3) #10 AWG + #10 AWG GND	VMS 1	CMS 1 / PULL BOX
P15	(3) #10 AWG + #10 AWG GND	VMS 1	CMS 1 / PULL BOX
P16	(3) #10 AWG + #10 AWG GND	VMS 2	CMS 2 / PULL BOX
P17	(3) #10 AWG + #10 AWG GND	VMS 2	CMS 2 / PULL BOX
P18	(2) #14 AWG + #14 AWG GND	UPS PANELBOARD	CCTV REMOTE POWER UNIT
P19	(2) #14 AWG + #14 AWG GND	REMOTE POWER UNIT	CCTV CAMERA
P20	#4 AWG GREEN INSULATED GND	SCC	GND ROD


COMMUNICATIONS CABLES

DESIGNATION	CABLES (SEE NOTES)	FROM	TO
C1	(1) 4 TWISTED PAIR #24 AWG	SCC	WAP
C2	(1) 6-FIBER OPTIC MULTIMODE CABLE, 62.5 MICRON	SCC	VMS 1
C3	(1) 6-FIBER OPTIC MULTIMODE CABLE, 62.5 MICRON	SCC	VMS 2
C4	(1) 6-FIBER OPTIC MULTIMODE CABLE	SCC	CMS 1
C5	(1) 4 TWISTED PAIR #24 AWG	SCC	CMS 1
C6	(1) 4 TWISTED PAIR #24 AWG	CMS 1	CMS 2
C7	(1) 4 TWISTED PAIR #24 AWG	SCC	CCTV REMOTE POWER UNIT
C8	(1) COAXIAL CABLE (RG-6)	SCC	CCTV REMOTE POWER UNIT
C9	(1) 4 TWISTED PAIR #24 AWG (OUTDOOR NETWORK CABLE)	SCC	RADIO ANTENNA
C10	(1) 6-FIBER OPTIC MULTIMODE CABLE	SCC	POLE MOUNTED ITS ENCLOSURE
C11	(1) FIBER OPTIC MULTIMODE PATCH CORD	(VARIES)	(VARIES)
C12	(1) ETHERNET # 24 AWG PATCH CORD	(VARIES)	(VARIES)
C13	(1) ETHERNET # 24 AWG PATCH CORD	(VARIES)	(VARIES)
C14	(1) 6-FIBER OPTIC MULTIMODE CABLE, 50 MICRON	SCC	VMS 1
C15	(1) 6-FIBER OPTIC MULTIMODE CABLE, 50 MICRON	SCC	VMS 2

CONDUITS

DESIGNATION	SIZE AND TYPE	CABLES
①	3" RNMC-40	P1
②	3" PCRCM	P1
③	3" PCRCM	P2
④	2 1/2" PCRCM	P3
⑤	2 1/2" PCRCM	P4
⑥	3" PCRCM	P5
⑦	3" PCRCM	P6
⑧	3" PCRCM	P7
⑨	3" PCRCM	SPARE
⑩	3" PCRCM	P10 P11 P12 P13
⑪	3" PCRCM	C1 C2 C3 C4 C5 C6 C7 C8 C9 C14 C15
⑫	3" PCRCM	C13
⑬	2" RNMC-40	P20

LEGEND:

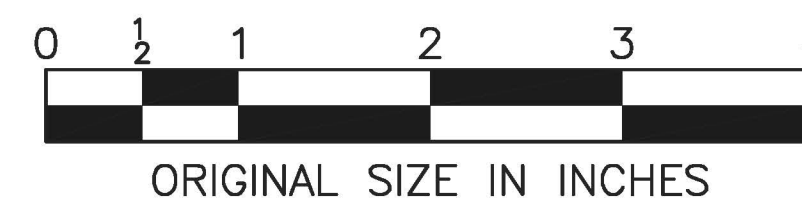
 ITEMS SHOWN DASHED MAY VARY BY INSTALLATION. SEE CONTRACT PLANS FOR SPECIFIC CABLE INSTALLATION.  


NOTES:

- SEE DETAILS ON THE FOLLOWING STANDARD DRAWINGS FOR LOCATING CONDUITS AND CABLES LISTED IN THE TABLES ON THIS DRAWING.
- SEE STANDARD DRAWING ITS-37 FOR A LIST OF ABBREVIATIONS IDENTIFYING THE TYPES OF CONDUITS AND CABLES LISTED ON THIS DRAWING.
- POWER AND COMMUNICATION CABLES SHALL BE OF THE MAKE AND MODEL AS DESCRIBED IN THE SPECIFICATIONS.
- SIZE AND QUANTITY OF INCOMING SERVICE WIRES SHALL BE AS SHOWN ON THE PLANS.
- CABLES SHALL BE SIZED AS SHOWN ON THIS DRAWING UNLESS NOTED OTHERWISE ON THE PLANS.
- REFER TO THE CONTRACT PLANS TO IDENTIFY WIRING REQUIRED TO BE FURNISHED AND INSTALLED FOR EQUIPMENT WHICH MAY NOT BE INCLUDED IN THESE STANDARD DRAWINGS.
- THE CONTRACTOR SHALL FURNISH AND INSTALL CAT-5E (OR BETTER) RATED ETHERNET PATCH CORDS AS SHOWN ON ITS-47. THE PATCH CORDS AND THEIR TERMINATION SHALL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO THE COST OF THE INSTALLATION OF THE SCC.

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 ANTHONY L. BARTELLO  
 NEW JERSEY PROFESSIONAL ENGINEER LICENSE NO. GE 45842  
 LAST SAID DATE: May 28, 2014 - 11:28 AM - 1/28/14  
 COUNTY OF MERCER  
 COUNTY OF MERCER

	BY	DATE
MADE	EMG	10/2013
TRACED	MDC	10/2013
CHECKED	EMG	10/2013
SUPERVISED	ALB	10/2013



APP.	NO.	DATE	REVISION
	1	5/2014	WIRE MODIFICATIONS
	0	11/2013	ORIGINAL DRAWING

NEW JERSEY TURNPIKE AUTHORITY  
**NEW JERSEY TURNPIKE**  
**HCMS CONDUIT AND CABLE SCHEDULES**  
**HNTB** 9 ENTIN ROAD, SUITE 202, PARSIPPANY, NJ 07054 - COA# 24GA28000700  
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**STANDARD DRAWING ITS-38**