

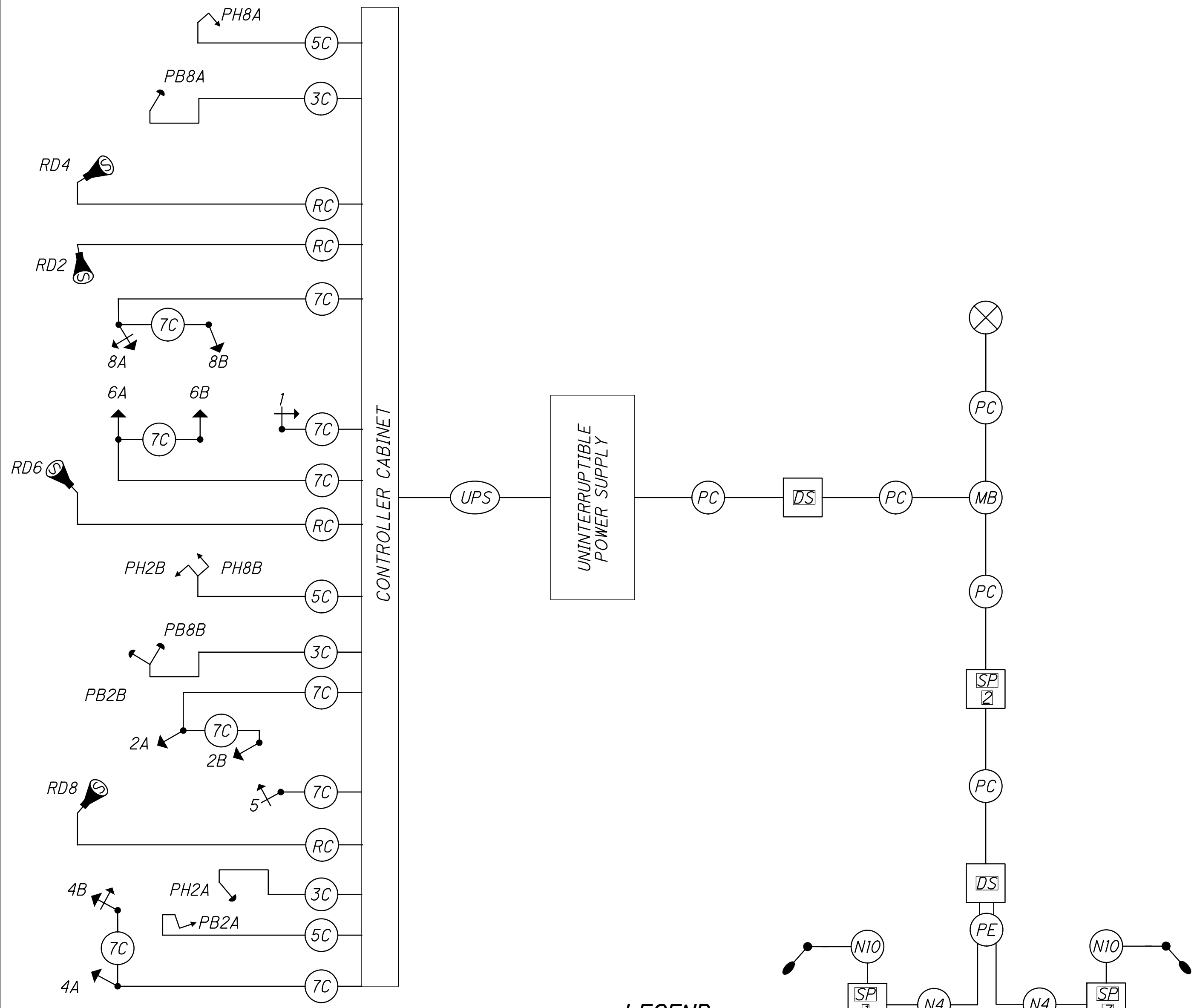
SHEET NUM.										PART.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEET NO.
215	216	217	218	233						01/MPO/04/SPR	EXT	TOTAL				
TRAFFIC CONTROL (CONT.)																
		8	13							21	630	84900	21	EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL	
		6	9							15	630	85100	15	EACH	REMOVAL OF GROUND MOUNTED SIGN AND REERECTION	
		11	17							28	630	86002	28	EACH	REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
		7								7	630	87400	7	EACH	REMOVAL OF OVERHEAD MOUNTED SIGN AND DISPOSAL	
		13	1							14	630	87500	14	EACH	REMOVAL OF POLE MOUNTED SIGN AND DISPOSAL	
		1	3							4	630	87520	4	EACH	REMOVAL OF POLE MOUNTED SIGN AND REERECTION	
		2								2	630	89704	2	EACH	REMOVAL OF OVERHEAD SIGN SUPPORT AND DISPOSAL, TYPE TC-16.21	
TRAFFIC SIGNALS																
				2						2	625	18201	2	EACH	BRACKET ARM, 15', AS PER PLAN	230
				803						803	625	23304	803	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE	
				360						360	625	23400	360	FT	NO. 10 AWG POLE AND BRACKET CABLE	
				79						79	625	25408	79	FT	CONDUIT, 2", 725.051	
				86						86	625	25604	86	FT	CONDUIT, 4", 725.051	
				212						212	625	25908	212	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"	
				2						2	625	26252	2	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED)	
				159						159	625	29002	159	FT	TRENCH, 24" DEEP	
				7						7	625	30706	7	EACH	PULL BOX, 725.08, 24"	
				6						6	625	32000	6	EACH	GROUND ROD	
				8						8	630	79200	8	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM	
				2						2	630	79500	2	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED	
				77						77	630	80100	77	SF	SIGN, FLAT SHEET	
				8						8	632	05007	8	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	230
				2						2	632	05065	2	EACH	VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE, AS PER PLAN	230
				4						4	632	20730	4	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN	
				10						10	632	25000	10	EACH	COVERING OF VEHICULAR SIGNAL HEAD	
				4						4	632	25010	4	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD	
				4						4	632	26000	4	EACH	PEDESTRIAN PUSHBUTTON	
				511						511	632	30980	511	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 10 AWG	
				531						531	632	40500	531	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG	
				1,896						1,896	632	40700	1,896	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG	
				3						3	632	64011	3	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN	230
				2						2	632	64021	2	EACH	PEDESTAL FOUNDATION, AS PER PLAN	230
				152						152	632	66102	152	FT	POWER CABLE, 2 CONDUCTOR, NO. 10 AWG	
				1						1	632	70000	1	EACH	POWER SERVICE	
				1						1	632	70400	1	EACH	CONDUIT RISER, 2" DIAMETER	
				1						1	632	78493	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 12 POLE, WITH MAST ARMS	230
															TC-81.22 DESIGN 14 AND DESIGN 13, AS PER PLAN	
				1						1	632	72141	1	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN	230
				1						1	632	79151	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN	230
				2						2	632	89901	2	EACH	PEDESTAL, 8", TRANSFORMER BASE, AS PER PLAN	229
				1						1	632	90020	1	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, SIGNAL SUPPORT FOUNDATION	
				1						1	632	90100	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION	
				1						1	633	65511	1	EACH	CABINET, TYPE TS-2, AS PER PLAN	229
				1						1	633	67100	1	EACH	CABINET FOUNDATION	
				1						1	633	67200	1	EACH	CONTROLLER WORK PAD	
				1						1	633	75001	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN	230
				211						211	804	32011	211	EACH	DROP CABLE, 12 FIBER, AS PER PLAN	230
				1						1	804	34012	1	EACH	FIBER TERMINATION PANEL, 12 FIBER	
				1						1	809	65990	1	EACH	ITS DEVICE, MISC.:MANAGED ETHERNET SWITCH WITH GIGABIT UPLINK PORT	230
				1						1	809	65990	1	EACH	ITS DEVICE, MISC.:INTERGRATION INTO EXISTING CENTRALLY CONTROLLED SYSTEM	230
				4						4	809	69101	4	EACH	STOP LINE RADAR DETECTION, AS PER PLAN	230
				1						1	809	69123	1	EACH	ATC CONTROLLER, AS PER PLAN	230
LANDSCAPING																
										LS	661	99940	LS		PLANTING, MISC.:MEDIAN LANDSCAPING	8

GENERAL SUMMARY

DESIGN AGENCY

 DESIGNER
 BAG
 REVIEWER
 BF 12/08/23
 PROJECT ID
 114475
 SHEET TOTAL
 90 249

WIRING DIAGRAM

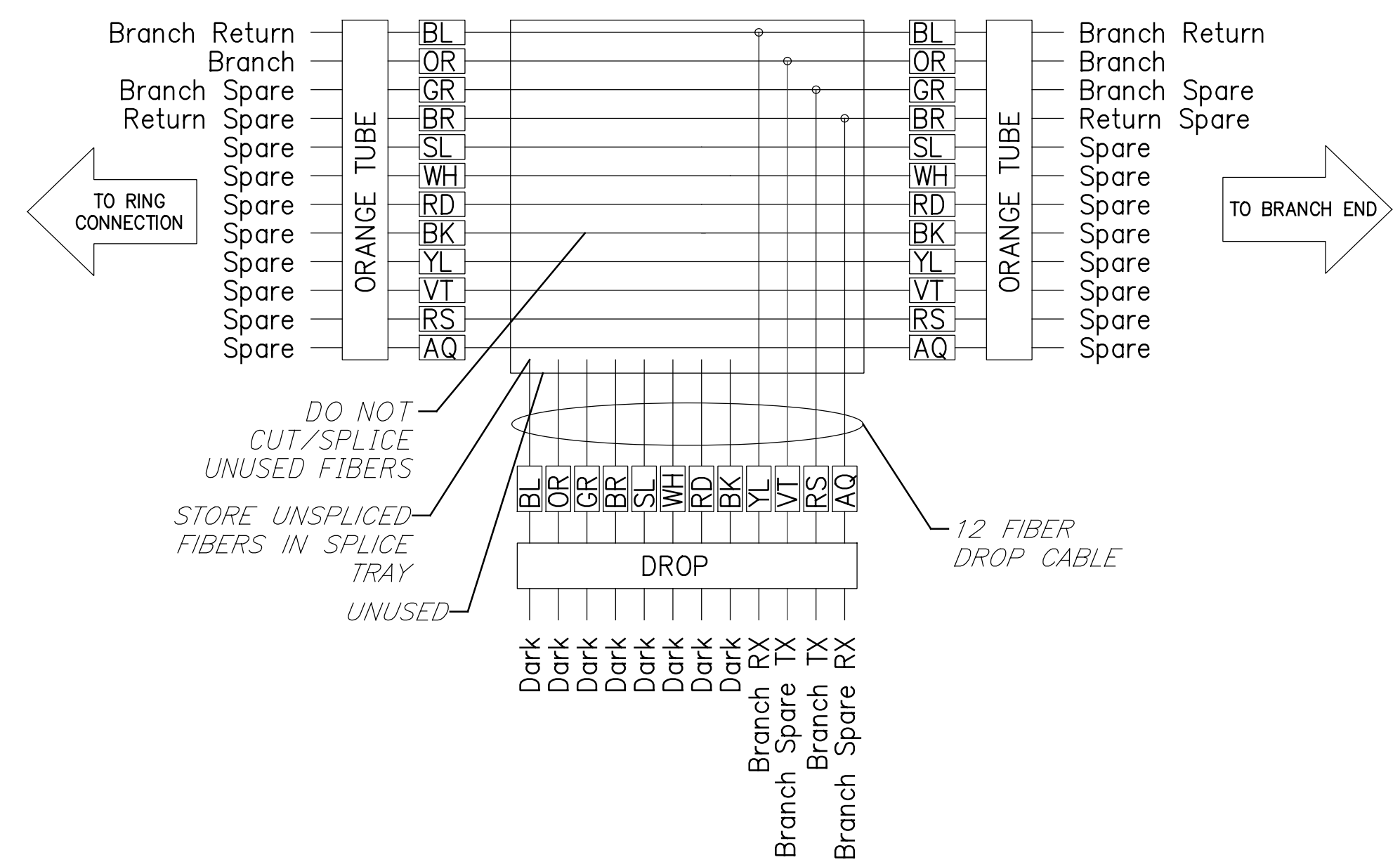


LEGEND

	TRAFFIC SIGNAL, 4 OR 5 UNIT HEAD, 12"		SIGNAL CABLE, 3 CONDUCTOR, NO. 14 AWG		POWER CABLE, 3 CONDUCTOR, NO. 10 AWG
	TRAFFIC SIGNAL, 3 UNIT HEAD, 12"		SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG		SIGNAL SUPPORT POLE NO. ...
	PEDESTRIAN SIGNAL		SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG		METER BASE
	PEDESTRIAN PUSH BUTTON		RADAR DETECTION CABLE		NO. 4 AWG DISTRIBUTION CABLE
	STOP LINE RADAR DETECTION UNIT		PHOTOELECTRIC CELL		NO. 10 AWG POLE & BRACKET CABLE
	LUMINAIRE, CONVENTIONAL		POWER SOURCE		DUAL LIGHTING/SIGNAL DISCONNECT SWITCH
			UNINTERRUPTIBLE POWER SUPPLY CABLE		

ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION
625	18201	2	EACH	BRACKET ARM, 15', AS PER PLAN
625	23304	803	FT	NO. 8 AWG 600 VOLT DISTRIBUTION CABLE
625	23400	360	FT	NO. 10 AWG POLE AND BRACKET CABLE
625	25408	79	FT	CONDUIT, 2", 725.051
625	25604	86	FT	CONDUIT, 4", 725.051
625	25908	212	FT	CONDUIT, JACKED OR DRILLED, 725.052, 4"
625	26253	2	EACH	LUMINAIRE, CONVENTIONAL, SOLID STATE (LED), TYPE III
625	29000	159	FT	TRENCH, 24" DEEP
625	30706	7	EACH	PULL BOX, 725.08, 24"
625	32000	6	EACH	GROUND ROD
630	79200	8	EACH	SIGN ATTACHMENT ASSEMBLY, MAST ARM
630	79500	2	EACH	SIGN SUPPORT ASSEMBLY, POLE MOUNTED
630	80100	77	SF	SIGN, FLAT SHEET
632	05007	8	EACH	VEHICULAR SIGNAL HEAD, (LED), 3-SECTION, 12" LENS, 1-WAY, POLYCARBONATE
632	05065	2	EACH	VEHICULAR SIGNAL HEAD, (LED), 4-SECTION, 12" LENS, 1-WAY, POLYCARBONATE
632	20730	4	EACH	PEDESTRIAN SIGNAL HEAD (LED), TYPE D2, COUNTDOWN
632	25000	10	EACH	COVERING OF VEHICULAR SIGNAL HEAD
632	25010	4	EACH	COVERING OF PEDESTRIAN SIGNAL HEAD
632	26000	4	EACH	PEDESTRIAN PUSHBUTTON
632	30980	511	FT	SIGNAL CABLE, 3 CONDUCTOR, NO. 10 AWG
632	40500	531	FT	SIGNAL CABLE, 5 CONDUCTOR, NO. 14 AWG
632	40700	1896	FT	SIGNAL CABLE, 7 CONDUCTOR, NO. 14 AWG
632	64011	3	EACH	SIGNAL SUPPORT FOUNDATION, AS PER PLAN
632	64021	2	EACH	PEDESTAL FOUNDATION, AS PER PLAN
632	66104	152	FT	POWER CABLE, 3 CONDUCTOR, NO. 10 AWG
632	70000	1	EACH	POWER SERVICE
632	70200	1	EACH	CONDUIT RISER, 2" DIAMETER
632	78493	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-12.31 DESIGN 12 POLE, WITH MAST ARMS TC-81.22 DESIGN 14 AND DESIGN 13, AS PER PLAN
632	72141	1	EACH	SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 13, AS PER PLAN
632	79151	1	EACH	COMBINATION SIGNAL SUPPORT, TYPE TC-81.22, DESIGN 14, AS PER PLAN
632	89901	2	EACH	PEDESTAL, 8', TRANSFORMER BASE, AS PER PLAN
632	90020	1	EACH	REMOVAL OF MISCELLANEOUS TRAFFIC SIGNAL ITEM, SIGNAL SUPPORT FOUNDATION
632	90100	1	EACH	REMOVAL OF TRAFFIC SIGNAL INSTALLATION
633	65511	1	EACH	CABINET, TYPE TS-2, AS PER PLAN
633	67101	1	EACH	CABINET FOUNDATION, AS PER PLAN
633	67200	1	EACH	CONTROLLER WORK PAD
633	75001	1	EACH	UNINTERRUPTIBLE POWER SUPPLY (UPS), 1000 WATT, AS PER PLAN
804	32011	211	FT	DROP CABLE, 12 FIBER, AS PER PLAN
804	34012	1	EACH	FIBER TERMINATION PANEL, 12 FIBER
809	65990	1	EACH	ITS DEVICE, MISC.:MANAGED ETHERNET SWITCH WITH GIGABIT UPLINK PORT
809	65990	1	EACH	ITS DEVICE, MISC.:INTEGRATION INTO EXISTING CENTRALLY CONTROLLED SYSTEM
809	69101	4	EACH	STOP LINE RADAR DETECTION, AS PER PLAN
809	69123	1	EACH	ATC V6.24 CONTROLLER, AS PER PLAN

MID BRANCH DROP SPLICE DETAIL



HAM-CR614-1.39

MODEL: CD002 PAPER SIZE: 34x22 (in.) DATE: 4/22/2024 TIME: 3:13:57 PM USER: osant
 \\No.14\Projects\2022 Projects\22349 CT Consultants\001SignalDesign - Northland Blvd Phase 2\Drawings\CD001.dgn

SIGNAL PLAN DETAILS
 NORTHLAND BLVD & TRI COUNTY PKWY

DESIGN AGENCY
TEC
 TEC Engineering, Inc.
 161 Northland Boulevard
 Cincinnati, OH 45246
 (513)-771-8828
 Cincinnati - Dayton - Mason

DESIGNER
 AFS

REVIEWER
 ALH 06-28-23

PROJECT ID
 114475

SHEET TOTAL
 233 249