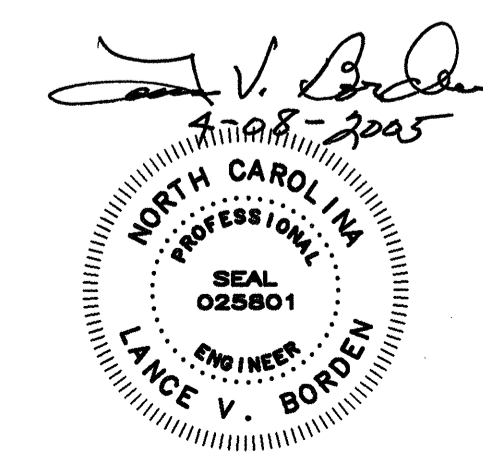


GROUP 200 EQUIPMENT					
PIECE NO.	QUANTITY	NAME	MANUFACTURER	TYPE - MODEL	RATING AND DESCRIPTION
E201	AS REQUIRED	LIQUID-TIGHT FLEXIBLE STEEL CONDUIT	ELECTRI-FLEX	TYPE LA DIAMETER AS REQUIRED	LIQUID-TIGHT FLEXIBLE STEEL CONDUIT. SPIRAL WOUND HOT-DIPPED GALVANIZED STEEL STRIP SHALL BE COVERED WITH EXTRUDED PVC JACKET. SHALL BE WATERTIGHT, VAPORTIGHT, U.L. LISTED AND IN CONFORMANCE WITH ARTICLE 351 OF THE NATIONAL ELECTRICAL CODE FOR USE INTENDED. SHALL INCLUDE LIQUID-TIGHT FITTINGS AND COUPLINGS.
E202	AS REQUIRED	ARMORED CABLE	OKONITE COMPANY	POWER CABLE	ARMORED POWER CABLES SHALL BE C-L-X TYPE MC, 600 VOLT RATED, 90 DEGREES C RATED, AND CONTAINING BARE SOFT ANNEALED COPPER CONDUCTORS WITH TYPE XHHW INSULATION. SHALL HAVE CLOSE FITTING, IMPERVIOUS, CONTINUOUS, CORRUGATED ALUMINUM C-L-X SHEATH WITH A PVC JACKET. CABLES SHALL BE RESISTANT TO CORROSIVE ATMOSPHERES AND SUNLIGHT.
				ANIXTER	DRIVE CABLE (3) 350 MCM (3) 4/0 AWG
E203	AS REQUIRED	ARMORED CONTROL CABLE	OKONITE COMPANY	16 AWG	ALUMINUM SHEATHED C-L-X TYPE INSTRUMENTATION CABLE, SHALL BE 300 VOLT RATED WITH CLASS B STRANDED CONDUCTORS, 10 SHIELDED PAIRS WITH ALUMINUM-POLYESTER OVER-ALL SHIELD. SHALL BE U.L. LISTED AS TYPE PLTC. CABLE SHALL BE RATED FOR USE IN WET LOCATIONS CORROSIVE ATMOSPHERES, AND SHALL BE SUNLIGHT RESISTANT.
E204	2	TERMINAL CABINETS PC-1, PC-3	HOFFMAN	36"H x 30"W x 12"D	SINGLE DOOR STAINLESS STEEL ENCLOSURES WITH MOUNTING PANELS, GASKETED DOORS, STAINLESS STEEL HARDWARE. SHALL BE NEMA 4X RATED. SHALL INCLUDE 600V HEAVY-DUTY TERMINAL BLOCKS WITH CONNECTIONS FOR ALL CONDUCTORS INCLUDING SPARES. TERMINALS SHALL BE U.L. LISTED FOR COPPER CONDUCTORS. CABINETS SHALL INCLUDE BREATHER AND DRAIN FITTINGS EQUAL TO CROUSE-HINDS ECD SERIES.
	4	PC-2, PC-4, CC-1, CC-2		36"H x 24"W x 10"D	
E205	7,200 L.F.	AERIAL CABLE	BIW CABLE SYSTEMS INC.	POWER CABLE	FLEXIBLE POWER AND CONTROL CABLES. TYPE W WITH EXTRA FLEXIBLE STRANDING. THERMOSET INSULATION. JACKET SHALL BE EXTRA HEAVY DUTY, DOUBLE LAYER, REINFORCED THERMOSET NEOPRENE. WEATHER AND SUNLIGHT RESISTANT. SEE SPECIFICATIONS.
	200 L.F.				1 CONDUCTOR 350 MCM (OPTIONAL - 1,800 L.F., 4C 350 MCM)
	1,200 L.F.				1 CONDUCTOR 4/0 AWG
	1,200 L.F.				3 CONDUCTOR 4 AWG
	3,300 L.F.				6 CONDUCTOR 6 AWG
	2,400 L.F.				6 CONDUCTOR 8 AWG
	1,200 L.F.				20 CONDUCTOR 10 AWG
	600 L.F.			CONTROL CABLE	COMPOSITE CONTROL CABLE WITH JACKETED WIRE ROPE CENTER STRENGTH MEMBER. BLACK, WEATHER RESISTANT NEOPRENE JACKET. SHALL BE AN ASSEMBLY OF THE FOLLOWING CONDUCTORS PLUS FILLERS. (8) 62.5/125 UM GEL FILLED, LOOSE-TUBE FIBER OPTIC (4) 100 OHM TWIN-AXIAL 600 VOLT FLEXIBLE CONTROL CABLE. SHALL INCLUDE 10 PAIRS TWISTED SHIELDED AWG 16 WITH OVERALL SHIELD AND WEATHER AND SUNLIGHT RESISTANT REINFORCED THERMOSTAT NEOPRENE JACKET.
E206	1,600 L.F.	COAXIAL CABLE	BELDEN	RG-11/U	RG-11/U COAXIAL CABLE, 75 OHM IMPEDANCE. STRANDED COPPER CONDUCTOR WITH MINIMUM 97% COPPER BRAID SHIELD AND NON-CONTAMINATING BLACK PVC JACKET.
E207	AS REQUIRED	ARMORED FIBER OPTIC	OPTICAL CABLE CORPORATION	TYPE DX-CST	ARMORED FIBER OPTIC CABLE WITH EIGHT 62.5/125 UM FIBERS, STEEL TAPE ARMOR, POLYETHYLENE OUTER JACKET.
E208	1	TERMINAL CABINET TC-1	O-Z GEDNEY	YW-A 12" x 12" x 4"	CAST ALUMINUM JUNCTION BOX. SHALL BE NEMA 4 RATED WITH NEOPRENE GASKETED HINGED DOOR. SHALL INCLUDE HEAVY-DUTY 600V RATED TERMINAL BLOCKS WITH MINIMUM 12 TERMINALS FOR 8 AWG CONDUCTORS. INCLUDE ALL NECESSARY MOUNTING BRACKETS AND HARDWARE.
E209	2	TERMINAL CABINETS PC-5, PC-6	HOFFMAN	48" x 48" x 12"	STAINLESS STEEL ENCLOSURE WITH TWO GASKETED DOORS, MOUNTING PANEL, THREE POINT LATCHING MECHANISM WITH KEY LOCKING HANDLE. SHALL BE U.L. LISTED AND INCLUDE POWER DISTRIBUTION TYPE TERMINALS FOR THE MOTOR CONDUCTORS (ILSCO TYPE PDB, 350 MCM) AND HEAVY DUTY, 600 VOLT RATED, CORROSION RESISTANT, TUBULAR SCREW, CHANNEL MOUNTED TERMINALS FOR ALL OTHER POWER CONDUCTORS (BUCHANAN 200 SERIES OR SIMILAR). TERMINALS SHALL BE PROVIDED FOR TERMINATING ALL SPARE CONDUCTORS PLUS AN ADDITIONAL 50 SPARE TERMINAL SPACES.

GROUP 200 EQUIPMENT (CONTINUED)					
PIECE NO.	QUANTITY	NAME	MANUFACTURER	TYPE - MODEL	RATING AND DESCRIPTION
E210	AS REQUIRED	CABLE TRAY	B-LINE	ALUMINUM	CABLE TRAY SHALL BE LADDER TYPE, WITH NINE INCH RUNG SPACING AND FIVE INCH LOADING DEPTH. TRAY WIDTH SHALL COMPLY WITH NEC ARTICLE 392 FOR TYPE AND NUMBER OF CABLES INSTALLED. RUNGS SHALL BE MARINE TYPE. SHALL BE U.L. LISTED AND IN CONFORMANCE WITH NEMA VE-1. SHALL INCLUDE ALL NECESSARY SUPPORT ANGLES, BRACKETS, HANGERS, SPLICE PLATES, CURVED SECTIONS AND OTHER MISCELLANEOUS TRAY SECTIONS AND HARDWARE AS REQUIRED TO COMPLETE THE CABLE TRAY SYSTEM.

NOTES:

1. QUANTITIES SHOWN ARE FOR INFORMATION ONLY AND DO NOT INCLUDE SPARES. CONTRACTOR SHALL PREPARE HIS OWN MATERIALS LIST INCLUDING SPARES AS SPECIFIED IN THE SPECIAL PROVISIONS.
2. CONTRACTOR SHALL CONFIRM SIZE OF TERMINAL CABINETS, ADJUSTING DIMENSIONS AS MAY BE REQUIRED FOR NUMBER OF TERMINATIONS AND BENDING RADIUS OF CONDUCTORS.



STATE OF NORTH CAROLINA			
DEPARTMENT OF TRANSPORTATION			
RALEIGH			
CAPE FEAR RIVER CROSSING			
WILMINGTON, NORTH CAROLINA			
ELECTRICAL EQUIPMENT SCHEDULE - 2			
DRAWN BY		R.L. REED	
SCALE		NONE	
DESIGNED	G.L. FASICK	DETAILED	R.L. REED
CHECKED	L.R. BAKER	CHECKED	G.L. FASICK
DATE		APRIL, 2005	
DRAWING NO.		53 OF 53	