NGS CT NUMBER	EQUIPMENT DESCRIPTION	EQUIPMENT VOLTAGE (V)	CABLE SIZE (AWG)	CABLE LENGTH (FT)	CONDUIT TYPE	CONDUIT SIZE (INCH)	CONDUIT LENGTH (FT)	NOTES
N35	COOLDOWN LUBE OIL PUMP (88QC)	480	3#10, 1#10G	30	N/A	N/A	N/A	
	EMERGENCY LUBE OIL PUMP (88QE)	120	3#6	30	N/A	N/A	N/A	
	ATOMIZING AIR COMPRESSOR	4160	3#4, 1#8G	115	N/A	N/A	N/A	
	CRANKING MOTOR	4160	3#3/0, 1#6G	40	N/A	N/A	N/A	
	RECEPTACLES & LIGHTING	120	2#12, 1#14G	40	RMC	3/4"	40	
	CAB HEATER	120	N/A	N/A	RMC	3/4"	10	
	MARSHALLING CABINET	120	#14	2500	N/A	N/A	N/A	
	DC STARTER	125 (DC)	2#8	100	RMC	2"	10	
	INDOOR JUNCTION BOX	480, 120	SEE NOTE 1	SEE NOTE 1	RMC	N/A	N/A	NOTE 1
	OUTDOOR JUNCTION BOX	480	SEE NOTE 2	SEE NOTE 2	RMC	2", 3"	10, 10	NOTE 2 & 4
	120/208VAC PANEL	120	N/A	N/A	RMC	2"	10	
	125VDC PANEL	125 (DC)	N/A	N/A	RMC	2"	20	
	5KV TRANSFORMER	4160	3#500, 1#1G	100	N/A	N/A	N/A	NOTE 3
	600V TRANSFORMER	480	3#500, 1#1G	100	N/A	N/A	N/A	
	30KVA XFMR (HIGH SIDE)	480	3#8, 1#10G	50	N/A	N/A	N/A	
	30KVA XFMR (LOW SIDE)	120	3#2, 1#6G	50	N/A	N/A	N/A	

NOTE 1	THE LOADS TERMINATED ARE UNKNOWN UNTIL INSTALLATION OCCURS. POSSIBLE RANGE OF CABLE SIZES WILL BE FROM 10AWG-4AWG
NOTE 2	500MCM LV CABLE, 2 CONDUCTORS PER PHASE, WILL BE REQUIRED (~75FT EACH). OTHER LOADS UNKNOWN WITH POSSIBLE CABLE SIZE RANGE SIMILAR TO NOTE 1
NOTE 3	2 CONDUCTORS PER PHASE REQUIRED
NOTE 4	OUTDOOR CONDUIT MUST BE ALUMINUM

LV CABLE SPECS
CABLES SHALL BE COPPER, 600V, 3C + GROUND, XHHW-2, 90C, TC-ER, XLPE INSULATION WITH OVERALL PVC JACKET
MV CABLE SPECS
CABLES SHALL BE COPPER, 5KV, SINGLE CONDUCTORS, SHIELDED, TC-ER, UL TYPE MV-105, 133% INSULATION LEVEL, XLPE INSULATION, PVC JACKET
CONTROL CABLE SPECS
CABLES SHALL BE COPPER, 600V, #14AWG, SHIELDED, TC-ER, XLPE INSULATION WITH OVERALL PVC JACKET