

SURGE PROTECTIVE DEVICE SCHEDULE

DESIGNATION	MODEL NUMBER OR EQUAL	VOLTAGE	SURGE RATING	MODES OF PROTECTION	AUDIBLE ALARM	TRANSIENT COUNTER	ENCLOSURE	INTEGRAL DISCONNECT	CIRCUIT BREAKER	FEEDER
SPD "A"	CURRENT TECH. #CGP150277/4803GY	277/480V, 3Ø, 4W	300kA / PHASE 150kA / MODE	L-N, L-G, N-G, & L-L	YES	YES	NEMA 1	NO	60A-3P	5#4 IN 1 1/4"C
SPD "B"	CURRENT TECH. #CGP080277/4803GY	277/480V, 3Ø, 4W	160kA / PHASE 80kA / MODE	L-N, L-G, N-G, & L-L	YES	YES	NEMA 1	NO	60A-3P	5#6 IN 1"C
SPD "C"	CURRENT TECH. #CGP080120/2083GY	277/480V, 3Ø, 4W	160kA / PHASE 80kA / MODE	L-N, L-G, N-G, & L-L	YES	YES	NEMA 1	NO	60A-3P	5#6 IN 1"C
NOTE: ROUTE CONDUCTORS AS SHORT AND STRAIGHT AS POSSIBLE BETWEEN SURGE PROTECTION DEVICE (SPD) AND CIRCUIT BREAKER										

AUTOMATIC TRANSFER SWITCH SCHEDULE

DESIGNATION	SIZE (AMPS)	VOLTAGE (V)	POLES	EXERCISER	ENCLOSURE
TSX	100	277/480V, 3Ø, 4W	3	YES	NEMA 1

DRY-TYPE TRANSFORMER SCHEDULE

DESIGNATION	SIZE (KVA)	PHASE	PRIMARY (V)	SECONDARY (V)	REMARKS
T1A	45	3	480	120/208	
T1B	45	3	480	120/208	
T1C	45	3	480	120/208	
T2A	45	3	480	120/208	
T2B	45	3	480	120/208	
T2C	45	3	480	120/208	
T3A	45	3	480	120/208	
T3B	45	3	480	120/208	
T3C	45	3	480	120/208	
T4A	45	3	480	120/208	
TK	45	3	480	120/208	
TX1A	45	3	480	120/208	
PROVIDE 4" THICK CONCRETE "HOUSE KEEPING PAD" BELOW EACH FLOOR MOUNTED DRY-TYPE TRANSFORMER AND SWITCHBOARD.					

RISER DIAGRAM FEEDER SCHEDULE

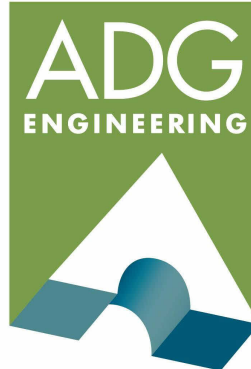
F1	3#8 & 1#10 GRND IN 3/4"C
F2	3#4 & 1#6 GRND IN 1 1/4"C
F3	4#8 & 1#10 GRND IN 1"C
F4	4#6 & 1#10 GRND IN 1"C
F5	4#4 & 1#8 GRND IN 1 1/4"C
F6	4#3 & 1#8 GRND IN 1 1/4"C
F7	4#1 & 1#6 GRND IN 2"C
F8	4#1 & 1#3 GRND IN 2"C (FIRE PUMP)
F9	4#1/0 & 1#6 GRND IN 2"C
F10	4#4/0 & 1#4 GRND IN 2 1/2"C
F11	4-500MCM & 1#3 GRND IN 3"C
F12	24-400 MCM IN 6-3"C

RISER DIAGRAM GROUNDING SCHEDULE

G1	1#8 IN 1/2"C
G2	1#6 IN 1/2"C
G3	1#3/0 IN 3/4"C
G4	PROVIDE #2/0 BARE COPPER GROUND GRID 1 FT. BEYOND TRANSFORMER PAD AND 2 FT. BELOW GRADE. CAD WELD GROUND ROD TO GROUND GRID AT ALL 4 CORNERS. PROVIDE #2/0 BARE COPPER FROM GROUND GRID TO PRIMARY COMPARTMENT AND TO SECONDARY COMPARTMENT OF TRANSFORMER.

KEYNOTES

LEGEND



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ROOF

FOUTH FLOOR

THIRD FLOOR

SECOND FLOOR

FIRST FLOOR

