

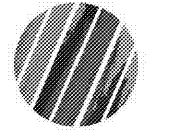
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Reece, Noland & McElrath, Inc.
94 Main Street
Canton, North Carolina 28716



Cedar Ridge High School
Classroom Addition
Orange County Schools
1125 New Grady Brown School Road
Hillsborough, North Carolina



no. revisions

The use of these plans and specifications shall be governed by the provisions of the contract documents. The user of these plans and specifications shall be deemed to have accepted the provisions of the contract documents. The user of these plans and specifications shall be deemed to have accepted the provisions of the contract documents. The user of these plans and specifications shall be deemed to have accepted the provisions of the contract documents.

drawn checked
JSD JSD
Electrical
Panel
Schedule
sheet

E6.2

project no. 1716

date 4/25/19

PANEL RJ2B SCHEDULE		Description/Remarks:									
Connected Load:	45.50 KVA	SQUARE 10" NO. 1400 SERIES, 200/120 VOLTS, 3Ø, 4 WIRE, SOLID NEUTRAL, THINNED COPPER BUS BARS, GROUND BUS, 125 AMPERE MAIN LUGS, SURFACE MOUNTED, HINGED DOOR-IN-DOOR COVER, WITH 600 LB IN BRANCH BREAKERS, SIZE AS INDICATED, MINIMUM FRAME SIZE AND A.I.C. RATING AS FOLLOWS:									
Wire:	4#4/16"	MINIMUM BREAKER FRAME FOR "1400" SERIES: 1 POLE="1000", 2.3 POLE="1000" (10K AIC)									
Conduit:	2-1/2"	REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. ** DENOTES LOCKING BREAKER AREA SERVED. SQ.FT. COMPUTED LOAD DEMAND FACTOR %									
DESCRIPTION	COND.	WIRE	LOAD	BREAKER	CIRCUIT NUMBERS	BREAKER	LOAD	WIRE	COND.	DESCRIPTION	
RPT CLASSROOM J20	12"	3#12"	1320	1P-20	1	A	1	1P-20	1320	3#12"	RPT CLASSROOM J20
RPT CLASSROOM J21	12"	3#12"	1320	1P-20	1	B	1	1P-20	1320	3#12"	RPT CLASSROOM J21
RPT CLASSROOM J22	12"	3#12"	1320	1P-20	1	C	1	1P-20	1320	3#12"	RPT CLASSROOM J22
RPT CLASSROOM J23	12"	3#12"	1320	1P-20	1	D	1	1P-20	1320	3#12"	RPT CLASSROOM J23
RPT CLASSROOM J24	12"	3#12"	1320	1P-20	1	E	1	1P-20	1320	3#12"	RPT CLASSROOM J24
RPT CLASSROOM J25	12"	3#12"	1320	1P-20	1	F	1	1P-20	1320	3#12"	RPT CLASSROOM J25
RPT CLASSROOM J26	12"	3#12"	1320	1P-20	1	G	1	1P-20	1320	3#12"	RPT CLASSROOM J26
RPT CLASSROOM J27	12"	3#12"	1320	1P-20	1	H	1	1P-20	1320	3#12"	RPT CLASSROOM J27
RPT CLASSROOM J28	12"	3#12"	1320	1P-20	1	I	1	1P-20	1320	3#12"	RPT CLASSROOM J28
RPT CLASSROOM J29	12"	3#12"	1320	1P-20	1	J	1	1P-20	1320	3#12"	RPT CLASSROOM J29
RPT CLASSROOM J30	12"	3#12"	1320	1P-20	1	K	1	1P-20	1320	3#12"	RPT CLASSROOM J30
RPT CLASSROOM J31	12"	3#12"	1320	1P-20	1	L	1	1P-20	1320	3#12"	RPT CLASSROOM J31
RPT CLASSROOM J32	12"	3#12"	1320	1P-20	1	M	1	1P-20	1320	3#12"	RPT CLASSROOM J32
RPT CLASSROOM J33	12"	3#12"	1320	1P-20	1	N	1	1P-20	1320	3#12"	RPT CLASSROOM J33
RPT CLASSROOM J34	12"	3#12"	1320	1P-20	1	O	1	1P-20	1320	3#12"	RPT CLASSROOM J34
RPT CLASSROOM J35	12"	3#12"	1320	1P-20	1	P	1	1P-20	1320	3#12"	RPT CLASSROOM J35
RPT CLASSROOM J36	12"	3#12"	1320	1P-20	1	Q	1	1P-20	1320	3#12"	RPT CLASSROOM J36
RPT CLASSROOM J37	12"	3#12"	1320	1P-20	1	R	1	1P-20	1320	3#12"	RPT CLASSROOM J37
RPT CLASSROOM J38	12"	3#12"	1320	1P-20	1	S	1	1P-20	1320	3#12"	RPT CLASSROOM J38
RPT CLASSROOM J39	12"	3#12"	1320	1P-20	1	T	1	1P-20	1320	3#12"	RPT CLASSROOM J39
RPT CLASSROOM J40	12"	3#12"	1320	1P-20	1	U	1	1P-20	1320	3#12"	RPT CLASSROOM J40
RPT CLASSROOM J41	12"	3#12"	1320	1P-20	1	V	1	1P-20	1320	3#12"	RPT CLASSROOM J41
RPT CLASSROOM J42	12"	3#12"	1320	1P-20	1	W	1	1P-20	1320	3#12"	RPT CLASSROOM J42
RPT CLASSROOM J43	12"	3#12"	1320	1P-20	1	X	1	1P-20	1320	3#12"	RPT CLASSROOM J43
RPT CLASSROOM J44	12"	3#12"	1320	1P-20	1	Y	1	1P-20	1320	3#12"	RPT CLASSROOM J44
RPT CLASSROOM J45	12"	3#12"	1320	1P-20	1	Z	1	1P-20	1320	3#12"	RPT CLASSROOM J45
RPT CLASSROOM J46	12"	3#12"	1320	1P-20	1	AA	1	1P-20	1320	3#12"	RPT CLASSROOM J46
RPT CLASSROOM J47	12"	3#12"	1320	1P-20	1	AB	1	1P-20	1320	3#12"	RPT CLASSROOM J47
RPT CLASSROOM J48	12"	3#12"	1320	1P-20	1	AC	1	1P-20	1320	3#12"	RPT CLASSROOM J48
RPT CLASSROOM J49	12"	3#12"	1320	1P-20	1	AD	1	1P-20	1320	3#12"	RPT CLASSROOM J49
RPT CLASSROOM J50	12"	3#12"	1320	1P-20	1	AE	1	1P-20	1320	3#12"	RPT CLASSROOM J50
RPT CLASSROOM J51	12"	3#12"	1320	1P-20	1	AF	1	1P-20	1320	3#12"	RPT CLASSROOM J51
RPT CLASSROOM J52	12"	3#12"	1320	1P-20	1	AG	1	1P-20	1320	3#12"	RPT CLASSROOM J52
RPT CLASSROOM J53	12"	3#12"	1320	1P-20	1	AH	1	1P-20	1320	3#12"	RPT CLASSROOM J53
RPT CLASSROOM J54	12"	3#12"	1320	1P-20	1	AI	1	1P-20	1320	3#12"	RPT CLASSROOM J54
RPT CLASSROOM J55	12"	3#12"	1320	1P-20	1	AJ	1	1P-20	1320	3#12"	RPT CLASSROOM J55
RPT CLASSROOM J56	12"	3#12"	1320	1P-20	1	AK	1	1P-20	1320	3#12"	RPT CLASSROOM J56
RPT CLASSROOM J57	12"	3#12"	1320	1P-20	1	AL	1	1P-20	1320	3#12"	RPT CLASSROOM J57
RPT CLASSROOM J58	12"	3#12"	1320	1P-20	1	AM	1	1P-20	1320	3#12"	RPT CLASSROOM J58
RPT CLASSROOM J59	12"	3#12"	1320	1P-20	1	AN	1	1P-20	1320	3#12"	RPT CLASSROOM J59
RPT CLASSROOM J60	12"	3#12"	1320	1P-20	1	AO	1	1P-20	1320	3#12"	RPT CLASSROOM J60
RPT CLASSROOM J61	12"	3#12"	1320	1P-20	1	AP	1	1P-20	1320	3#12"	RPT CLASSROOM J61
RPT CLASSROOM J62	12"	3#12"	1320	1P-20	1	AQ	1	1P-20	1320	3#12"	RPT CLASSROOM J62
RPT CLASSROOM J63	12"	3#12"	1320	1P-20	1	AR	1	1P-20	1320	3#12"	RPT CLASSROOM J63
RPT CLASSROOM J64	12"	3#12"	1320	1P-20	1	AS	1	1P-20	1320	3#12"	RPT CLASSROOM J64
RPT CLASSROOM J65	12"	3#12"	1320	1P-20	1	AT	1	1P-20	1320	3#12"	RPT CLASSROOM J65
RPT CLASSROOM J66	12"	3#12"	1320	1P-20	1	AU	1	1P-20	1320	3#12"	RPT CLASSROOM J66
RPT CLASSROOM J67	12"	3#12"	1320	1P-20	1	AV	1	1P-20	1320	3#12"	RPT CLASSROOM J67
RPT CLASSROOM J68	12"	3#12"	1320	1P-20	1	AW	1	1P-20	1320	3#12"	RPT CLASSROOM J68
RPT CLASSROOM J69	12"	3#12"	1320	1P-20	1	AX	1	1P-20	1320	3#12"	RPT CLASSROOM J69
RPT CLASSROOM J70	12"	3#12"	1320	1P-20	1	AY	1	1P-20	1320	3#12"	RPT CLASSROOM J70
RPT CLASSROOM J71	12"	3#12"	1320	1P-20	1	AZ	1	1P-20	1320	3#12"	RPT CLASSROOM J71
RPT CLASSROOM J72	12"	3#12"	1320	1P-20	1	BA	1	1P-20	1320	3#12"	RPT CLASSROOM J72
RPT CLASSROOM J73	12"	3#12"	1320	1P-20	1	BB	1	1P-20	1320	3#12"	RPT CLASSROOM J73
RPT CLASSROOM J74	12"	3#12"	1320	1P-20	1	BC	1	1P-20	1320	3#12"	RPT CLASSROOM J74
RPT CLASSROOM J75	12"	3#12"	1320	1P-20	1	BD	1	1P-20	1320	3#12"	RPT CLASSROOM J75
RPT CLASSROOM J76	12"	3#12"	1320	1P-20	1	BE	1	1P-20	1320	3#12"	RPT CLASSROOM J76
RPT CLASSROOM J77	12"	3#12"	1320	1P-20	1	BF	1	1P-20	1320	3#12"	RPT CLASSROOM J77
RPT CLASSROOM J78	12"	3#12"	1320	1P-20	1	BG	1	1P-20	1320	3#12"	RPT CLASSROOM J78
RPT CLASSROOM J79	12"	3#12"	1320	1P-20	1	BH	1	1P-20	1320	3#12"	RPT CLASSROOM J79
RPT CLASSROOM J80	12"	3#12"	1320	1P-20	1	BI	1	1P-20	1320	3#12"	RPT CLASSROOM J80
RPT CLASSROOM J81	12"	3#12"	1320	1P-20	1	BJ	1	1P-20	1320	3#12"	RPT CLASSROOM J81
RPT CLASSROOM J82	12"	3#12"	1320	1P-20	1	BK	1	1P-20	1320	3#12"	RPT CLASSROOM J82
RPT CLASSROOM J83	12"	3#12"	1320	1P-20	1	BL	1	1P-20	1320	3#12"	RPT CLASSROOM J83
RPT CLASSROOM J84	12"	3#12"	1320	1P-20	1	BM	1	1P-20	1320	3#12"	RPT CLASSROOM J84
RPT CLASSROOM J85	12"	3#12"	1320	1P-20	1	BN	1	1P-20	1320	3#12"	RPT CLASSROOM J85
RPT CLASSROOM J86	12"	3#12"	1320	1P-20	1	BO	1	1P-20	1320	3#12"	RPT CLASSROOM J86
RPT CLASSROOM J87	12"	3#12"	1320	1P-20	1	BP	1	1P-20	1320	3#12"	RPT CLASSROOM J87
RPT CLASSROOM J88	12"	3#12"	1320	1P-20	1	BQ	1	1P-20	1320	3#12"	RPT CLASSROOM J88
RPT CLASSROOM J89	12"	3#12"	1320	1P-20	1	BR	1	1P-20	1320	3#12"	RPT CLASSROOM J89
RPT CLASSROOM J90	12"	3#12"	1320	1P-20	1	BS	1	1P-20	1320	3#12"	RPT CLASSROOM J90
RPT CLASSROOM J91	12"	3#12"	1320	1P-20	1	BT	1	1P-20	1320	3#12"	RPT CLASSROOM J91
RPT CLASSROOM J92	12"	3#12"	1320	1P-20	1	BV	1	1P-20	1320	3#12"	RPT CLASSROOM J92
RPT CLASSROOM J93	12"	3#12"	1320	1P-20	1	BW	1	1P-20	1320	3#12"	RPT CLASSROOM J93
RPT CLASSROOM J94	12"	3#12"	1320	1P-20	1	BX	1	1P-20	1320	3#12"	RPT CLASSROOM J94
RPT CLASSROOM J95	12"	3#12"	1320	1P-20	1	BY	1	1P-20	1320	3#12"	RPT CLASSROOM J95
RPT CLASSROOM J96	12"	3#12"	1320	1P-20	1	BZ	1	1P-20	1320	3#12"	RPT CLASSROOM J96
RPT CLASSROOM J97	12"	3#12"	1320	1P-20	1	CA	1	1P-20	1320	3#12"	RPT CLASSROOM J97
RPT CLASSROOM J98	12"	3#12"	1320	1P-20	1	CB	1	1P-20	1320	3#12"	RPT CLASSROOM J98
RPT CLASSROOM J99	12"	3#12"	1320	1P-20	1	CC	1	1P-20	1320	3#12"	RPT CLASSROOM J99
RPT CLASSROOM J100	12"	3#12"	1320	1P-20	1	CD	1	1P-20	1320	3#12"	RPT CLASSROOM J100

PANEL RJ2A SCHEDULE		Description/Remarks:									
Connected Load:	36.80 KVA	SQUARE 10" NO. 1400 SERIES, 200/120 VOLTS, 3Ø, 4 WIRE, SOLID NEUTRAL, THINNED COPPER BUS BARS, GROUND BUS, 125 AMPERE MAIN LUGS, SURFACE MOUNTED, HINGED DOOR-IN-DOOR COVER, WITH 600 LB IN BRANCH BREAKERS, SIZE AS INDICATED, MINIMUM FRAME SIZE AND A.I.C. RATING AS FOLLOWS:									
Wire:	4#4/16"	MINIMUM BREAKER FRAME FOR "1400" SERIES: 1 POLE="1000", 2.3 POLE="1000" (10K AIC)									
Conduit:	2-1/2"	REFER TO PROJECT SPECIFICATIONS FOR ADDITIONAL INFORMATION. ** DENOTES LOCKING BREAKER AREA SERVED. SQ.FT. COMPUTED LOAD DEMAND FACTOR %									
DESCRIPTION	COND.	WIRE	LOAD	BREAKER	CIRCUIT NUMBERS	BREAKER	LOAD	WIRE	COND.	DESCRIPTION	
RPT CORRIDOR J20	12"	3#12"	800	1P-20	1	A	1	1P-20	800	3#12"	RPT CLASSROOM J20
RPT CLASSROOM J21	12"	3#12"	1320	1P-20	1	B	1	1P-20	1320	3#12"	RPT CLASSROOM J21
RPT CLASSROOM J22	12"	3#12"	1320	1P-20	1	C	1	1P-20	1320	3#12"	RPT CLASSROOM J22
RPT CLASSROOM J23	12"	3#12"	1320	1P-20	1	D	1	1P-20	1320	3#12"	RPT CLASSROOM J23
RPT CLASSROOM J24	12"	3#12"	1320	1P-20	1	E	1	1P-20	1320	3#12"	RPT CLASSROOM J24
RPT CLASSROOM J25	12"	3#12"	1320	1P-20	1	F	1	1P-20	1320	3#12"	RPT CLASSROOM J25
RPT CLASSROOM J26	12"	3#12"	1320	1P-20	1	G	1	1P-20	1320		