



GENERAL NOTES:

- ALUMINUM CONDUCTORS CAN ONLY BE USED FOR PANEL FEEDERS SHOWN ON THIS SHEET.

DETAIL NOTES:

- CONTRACTOR HAS OPTION OF INTERCEPTING EXISTING CONDUIT AND REUSING TO TRANSFER SWITCHES OR INSTALLING NEW AS SHOWN.

NEW GENERATOR ONE LINE DIAGRAM

NO SCALE

EXISTING Panel X		PANEL SCHEDULE		PROJECT: WENATCHEE HIGH SCHOOL #02060								
277/480V, 3Ph, 4W, 50A Bus		M.L.O.		SURFACE MOUNTED								
Ckt. No.	Description / Location	Load (VA)	Load Type	C.B. Pole	Phase	C.B. Pole	Load (VA)	Description / Location	Ckt. No.			
1	EXISTING PATHWAY LTG. (UNIT K)	700	L	20	1	A	20	1	200	L	EXISTING EXIT LIGHTING	2
3	EXISTING PATHWAY LTG. (UNIT K)	700	L	20	1	B	20	1	200	L	EXISTING EXIT LIGHTING	4
5	EXISTING PATHWAY LTG. (UNIT K)	800	L	20	1	C	20	1	150	L	EXISTING EXIT LIGHTING	6
7	EXISTING PATHWAY LTG. (UNIT K)	800	L	20	1	A	20	1	2,200	L	EXISTING PATHWAY LTG. (CORRIDOR)	8
9	EXISTING PATHWAY LTG. (UNIT L)	700	L	20	1	B	20	1	2,200	L	EXISTING PATHWAY LTG. (CORRIDOR)	10
11	EXISTING PATHWAY LTG. (GYM)	2,750	L	20	1	C	20	1			SPARE	12
13	SPARE			20	1	A	20	1			SPARE	14
15	SPARE			20	1	B	20	1			SPARE	16
17	SPARE			20	1	C	20	1			SPARE	18
19	EXISTING BATTERY CHARGER	100	G	20	1	A					SPACE	20
21	EXISTING UPPER HALF CONT. CONTROL	50	G	20	1	B					SPACE	22
23	SPARE			20	1	C					SPACE	24
25						A						26
27						B						28
29						C						30
31						A						32
33						B						34
35						C						36
37						A						38
39						B						40
41						C						42
Total Connected Load: Ph A		4,000 VA		14	A							
Total Connected Load: Ph B		3,850 VA		14	A							
Total Connected Load: Ph C		3,700 VA		13	A							
Total Connected Load:		11.6 KVA										
		13.9 AMPS										
Total Demand Load:							14.4 KVA					
							17.3 AMPS					

EXISTING Panel X1		PANEL SCHEDULE		PROJECT: WENATCHEE HIGH SCHOOL #02060								
277/480V, 3Ph, 4W, 100A Bus		M.L.O.		SURFACE WALL MOUNTED								
Ckt. No.	Description / Location	Load (VA)	Load Type	C.B. Pole	Phase	C.B. Pole	Load (VA)	Description / Location	Ckt. No.			
1	PATHWAY LTG (TRANS. FROM XA)	1,500	L	20	1	A	20	1	180	L	EXIT LTG (TRANS. FROM XA)	2
3	PATHWAY LTG (TRANS. FROM XA)	1,500	L	20	1	B	20	1	250	L	EXIT LTG (TRANS. FROM XA)	4
5	SPARE			20	1	C	20	1	500	G	PAGING SYS. (TRANS. FROM XA)	6
7	SPARE			20	1	A	20	1	100	G	BATTERY CHARGER (TRANS. FROM X)	8
9	SPARE			20	1	B	20	1	100	G	BATTERY CHARGER (TRANS. FROM X)	10
11	SPARE			20	1	C	20	1			SPARE	12
13	SPARE					A					SPARE	14
15	SPARE					B					SPARE	16
17	SPARE					C					SPARE	18
19	SPARE					A					SPARE	20
21	SPARE					B					SPARE	22
23	SPARE					C					SPARE	24
25	SPARE					A					SPARE	26
27	SPARE					B					SPARE	28
29	SPARE					C					SPARE	30
Total Connected Load: Ph A		1,780 VA		6	A							
Total Connected Load: Ph B		1,850 VA		7	A							
Total Connected Load: Ph C		500 VA		2	A							
Total Connected Load:		4.1 KVA										
		5.0 AMPS										
Total Demand Load:							5.0 KVA					
							6.0 AMPS					

NEW GENERATOR DIST.		PANEL SCHEDULE		PROJECT: WENATCHEE HIGH SCHOOL #02060								
277/480V, 3Ph, 4W, 200A BUS		M.L.O.		SURFACE WALL MOUNTED								
Ckt. No.	Description / Location	Load (VA)	Load Type	C.B. Pole	Phase	C.B. Pole	Load (VA)	Description / Location	Ckt. No.			
1	PANEL X1	1,780	S	100	3	A	100	3	4,000	S	PANEL X	2
3		1,850	S	-	-	B	-	-	3,850	S		4
5		500	S	-	-	C	-	-	3,700	S		6
7	SPARE			100	3	A					SPACE	8
9				-	-	B						10
11				-	-	C						12
13						A						14
15						B						16
17						C						18
19						A						20
21						B						22
23						C						24
25						A						26
27						B						28
29						C						30
31						A						32
33						B						34
35						C						36
37						A						38
39						B						40
41						C						42
Total Connected Load: Ph A		5,780 VA		21	A							
Total Connected Load: Ph B		5,700 VA		21	A							
Total Connected Load: Ph C		4,200 VA		15	A							
Total Connected Load:		15.7 KVA										
		18.9 AMPS										
Total Demand Load:							40.5 KVA					
							48.8 AMPS					