

PANEL PP1		120/208V-3PH-4W		400A MLO		SURFACE	
CKT. NO.	BKR. SIZE	SERVES	VA	PHASE	VA	SERVES	CKT. NO.
1	50 3	UV-14	11440	A	11440	UV-1	3 50 2
3				B			4
5				C			6
7	50 3	UV-13	11440	A	11440	UV-2	3 50 8
9				B			10
11				C			12
13	50 3	UV-12	11440	A	11440	UV-15	3 50 14
15				B			16
17				C			18
19	50 3	UV-11	11440	A	11440	UV-16	3 50 20
21				B			22
23				C			24
25	20 1	SODA MACHINE	1200	B		SPACE	1 26
27	20 1	"	1200	B			28
29		"		C			30
31		"		A			32
33				B			34
35				C			36

TOTAL CONNECTED LOAD = 93920VA (261A)

PANEL PP2		120/208V-3PH-4W		225A MLO		SURFACE	
CKT. NO.	BKR. SIZE	SERVES	VA	PHASE	VA	SERVES	CKT. NO.
1	20 1	F-1 1/2HP	1100	A	3400	AC1	2 30 2
3		F-2 1/2HP	1100	B			4
5		F-3 1/2HP	1100	C	3400	AC2	2 30 6
7	50 3	F-4 1/2HP	1100	A	3400	AC3	2 30 8
9				B			10
11				C			12
13	20 2	OA-1 1/2HP	1100	A		EF1 1/4HP	1 20 14
15	20 2	WIT-1	2000	B		EF2 1/4HP	1 20 16
17				C	8320	CU 1	3 40 18
19	20 1	CIRCULATING PUMP	500	A			20
21	20 1	DISPOSAL	1250	B			22
23		NW DISPENSER	750	C	8320	CU 2	3 40 24
25		SPARE		A			26
27				B			28
29				C	8320	CU 3	3 30 30
31				A			32
33				B			34
35				C	6000	FCU 1	2 40 36
37				A			38
39				B	3000	CU 5	2 30 40
41				C			42

TOTAL CONNECTED LOAD = 56750VA (155A)

PANEL PP3		208V-3PH-3W		400A MLO		SURFACE	
CKT. NO.	BKR. SIZE	SERVES	VA	PHASE	VA	SERVES	CKT. NO.
1	50 3	UV-3	11440	A	11440	UV-7	3 50 2
3				B			4
5				C			6
7	50 3	UV-4	11440	A	11440	UV-8	3 50 8
9				B			10
11				C			12
13	50 3	UV-5	11440	A	11440	UV-9	3 50 14
15				B			16
17				C			18
19	50 3	UV-6	11440	A	11440	UV-10	3 50 20
21				B			22
23				C			24
25	20 2	CUH-1	2000	A	2000	CUH-2	2 20 26
27				B			28
29		SPACE		C		SPACE	1 30

TOTAL CONNECTED LOAD = 95220VA (265A)

- ELECTRICAL SYMBOLS**
- ○ INCANDESCENT FIXTURE: CEILING/WALL
  - □ FLUORESCENT FIXTURE: CEILING/WALL
  - ⊗ ⊗ EXIT LIGHT: CEILING/WALL
  - ⊕ SINGLE POLE SWITCH: 3-3 WAY
  - ⊕ DIMMER SWITCH
  - ⊕ DUPLX RECEPTACLE: WALL: C-ABOVE COUNTER: GPI-GROUND FAULT
  - ⊕ SPECIAL RECEPTACLE
  - ⊕ CLOCK RECEPTACLE
  - ▼ TELEPHONE OUTLET
  - SAFETY DISCONNECT SWITCH
  - BRANCH CIRCUIT PANEL
  - POWER PANEL
  - ⊗ MAGNETIC MOTOR STARTER
  - ⊗ COMBINATION MAGNETIC MOTOR STARTER/DISCONNECT SWITCH
  - MANUAL MOTOR STARTER
  - EQUIPMENT CONNECTION
  - ⊕ JUNCTION BOX
  - CONDUIT - UNDERFLOOR
  - CONDUIT - ABOVE FLOOR IN WALLS OR CEILINGS
  - WIRING - SHORT MARKS-PHASE CONDUCTORS  
--- LONG MARKS-NEUTRAL CONDUCTORS  
--- LONG MARK WITH DOT - GROUND CONDUCTOR  
--- #12THN UNLESS OTHERWISE NOTED
  - ⊕ TV OUTLET - 12" ABOVE FLOOR - 3/4" C UP TO CLG PLENUM

LIGHTING FIXTURE SCHEDULE									
TYPE	FIXTURE SPECIFICATION			LAMP SPECIFICATION			REMARKS		
	MANUFACTURER	CATALOG NUMBER	VOLTS	MOUNTING	QTY.	LAMP WATTS		TYPE	
A	LITHONIA	Z9T240AIZES-120	120	RECESSED	2	34	F40/LWX/RS/SS	NOTES 1,2	
B	LITHONIA	Z9T440AIZES-120		RECESSED	4	34	F40/LWX/RS/SS	NOTES 1,2	
C	LITHONIA	VC240		SURFACE	2	34	F40/LWX/RS/SS	NOTES 1,2	
D	LITHONIA	SC240		SURFACE	2	34	F40/LWX/RS/SS	NOTES 1,2	
E	LIGHTOLIER	1102-1105		RECESSED	1	75	7SER30		
F	PASS# SEYMOUR	44 (KEYLESS)		CLG SURFACE WALL SURFACE	1	100	100A		
G	LIGHTOLIER	1102-1141		RECESSED	1	100	100A		
H	LIGHTOLIER	7121 FIXTURE 6100 SERIES TRACK		TRACK LIGHT	1	150	150/PAR38	20' TRACK - 5 FIXTURES	
J	HUBBELL	HSU-0400-H-1A1-QSS		PENDENT	1	400	MS400/BU 150 PC	ENC-19A LENS H3/4AL3/4 HANGER	
K	MCPHILBEN	9A163		WALL 910"	1	100	100HPS		
L	LITHONIA	C140		SPECIAL	1	34	F40/LWX/RS/SS		
M	MARCO	HD526677		RECESSED	1	100	100HPS		
N	ALICO	Z155		UNDER CABINET	1	30	F30T8		
P	PRESCOTE	94406		PENDANT	1	100	100A		
EM	DYNARAY	DR73755G-2		WALL SURFACE	-	-	WITH UNIT		
X	DYNARAY	UF-4U-WO		AS SHOWN	-	-	"		

- NOTES
- PROVIDE WITH 'ADVANCE' MARK III BALLAST & 'SUPER-SAVER' LAMPS
  - APPROVED ALTERNATE MANUFACTURERS - KEYSTONE, DAY BRITE, WILLIAMS

PANEL L1		120/208V-3PH-4W		225A MLO		SURFACE	
CKT. NO.	BKR. SIZE	SERVES	VA	PHASE	VA	SERVES	CKT. NO.
1	20 1	CLASSROOM LIT	900	A	800	RECEP-OFFICE	1 20 2
3				B	1000		4
5				C	1000		6
7				A	1200		8
9		OFFICE LIT	1200	B	1000		10
11				C	1000		12
13		CORRIDOR LIT	800	A	500	AUD AMPLIFIER	14
15				B	500	FACP	16
17				C	500	INTERCOM	18
19		GYM LIT	1350	A	500	RECEP - TELEPH	20
21				B	800	-SUC	22
23				C	800	-SUC	24
25				A	800	-GYM	26
27		CORRIDOR LIT	1620	B	800		28
29		JULIOT LIT	1200	C	800	-TEACHERS	30
31		LIT-KITCHEN	700	A	800		32
33				B	800		34
35		LIT-STARAB	900	C	800	RECEP-COMPUTER	36
37		LIT-LOUNGE	800	A	400	RECEP	38
39		OUTSIDE LIT	1500	B	400	RECEP	40
41		EMER LIT	500	C		SPACE	42

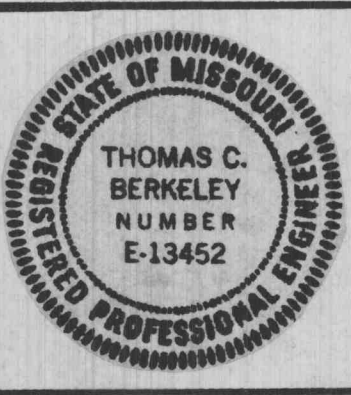
TOTAL CONNECTED LOAD = 37150VA (105A)

PANEL L2		120/208V-3PH-4W		225A MLO		SURFACE	
CKT. NO.	BKR. SIZE	SERVES	VA	PHASE	VA	SERVES	CKT. NO.
1	20 1	CLASSROOM LIT	1200	A	1200	RECEPTACLES	1 20 2
3				B	1000		4
5				C	1200		6
7				A	1000		8
9				B	1000		10
11				C	1000		12
13				A	1000		14
15				B	1200		16
17				C	1000		18
19				A	1200		20
21				B	1000		22
23				C	1000		24
25		SPECL OFF LIT	1200	A	1000		26
27				B	1000		28
29		LIBRARY-TIT LIT	1350	C	1500	CLASSROOM LIT	30
31				A	1500		32
33				B	1500		34
35		CORRIDOR LIT	720	C	1400	RECEPTACLES	36
37				A	1200		38
39				B	1400		40
41				C	400	SPACE	42

TOTAL CONNECTED LOAD = 50960VA (142A)

- FIRE ALARM**
- MANUAL PULL STATION
  - AUDIBLE/VISUAL ALARM
  - DOOR HOLDER
  - SMOKE DETECTOR
  - DUCT SMOKE DETECTOR
  - WATER FLOW ALARM SWITCH
  - VALVE TAMPER SWITCH
  - FIRE ALARM CONTROL PANEL
  - FIRE ALARM SYSTEM WIRING
- INTERCOM
- INTERCOM STATION SPEAKER AND PUSHBUTTON
  - CORRIDOR SPEAKER
  - SPECIAL SPEAKER

PICKETT RAY & SILVER civil engineers  
 SOIL CONSULTANTS INC soil engineers  
 L. WEINTRAUB & ASSOC structural engineers  
 THOMAS BERKELEY mechanical engineers



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**NEW ELEMENTARY SCHOOL**  
 ft. zumwalt school district  
 o'fallon missouri

ELECT. FIXTURE SCHEDULE, SYMBOLS & PANEL DIAGRAMS

Revisions:	
△	△
△	△
△	△
△	△

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**E-3**  
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