PANEL 'A' — TYPE NQOD

CIRCUIT WATTAGE ØA	ØB	ØC	USE	LOAD-TYPE LT	RC	HT	MO	CB	CB	LOAD-TYPE LT	RC	HT	MO	USE	CIRCUIT WATTAGE ØA	ØB	ØC
1344			LIGHTING	✓				20	20	✓				RACEWAY	900		
	1344			✓				20	20	✓						900	
		1552		✓				20	20								900
1184				✓				20	20	✓				(E) LIGHTS ON T.S.	1200		
	500		FACP	✓				20	20	✓				RACEWAY		900	
		1500	WATER HEATER		✓	✓		20	20	✓							900
900			DED. RECEPTACLE		✓			20	20	✓					900		
	720		RECEPTACLES	4				20	20	✓						900	
		720	RECEPTACLES	4				20	20								900
720			RECEPTACLES	4				20	20					P.A. RACK	500		
	720		RECEPTACLES	4				20	20					(E) PARKING LIGHTS		1500	
		720	RECEPTACLES	4				20	20								1500
			SPACE						20					(E)LIGHT/SIGN ON T.S.	500		
														SPACE			
4148	3284	4492	SUB-TOTAL											SUB-TOTAL	4000	4200	4200
															4148	3284	4492
															8148	7484	8692
														TOTAL AMPS			72.4

VOLTS 120/208V 3ø 4W MAIN 125/3
FEEDER SEE SINGLE LINE
BUS 125A CU MTG FLUSH
LOCATION WING 100

* RECONNECT (E) CIRCUITS TO NEW CIRCUITS AND (E) TIME SWITCH AS REQUIRED.

PANEL 'C' — TYPE NQOD

CIRCUIT WATTAGE ØA	ØB	ØC	USE	LOAD-TYPE LT	RC	HT	MO	CB	CB	LOAD-TYPE LT	RC	HT	MO	USE	CIRCUIT WATTAGE ØA	ØB	ØC
1280			LIGHTING	✓				20	20	✓				RACEWAY	900		
	640			✓				20	20	✓						900	
		1280		✓				20	20	✓							900
640				✓				20	20	✓					900		
	1184			✓				20	20	✓						900	
		576		✓				20	20	✓							900
900			RECEPTACLES		5			20	20	✓					900		
	900		RECEPTACLES		5			20	20	✓						900	
		800	(E) CORRIDOR LIGHTS	✓				20	20	✓							900
			SPACE						20						900		
									20					SPARE		500	
									20					SPARE			500
									20					SPACE			
2820	2724	2656	SUB-TOTAL											SUB-TOTAL	3600	3200	3200
															2820	2724	2656
															6420	5924	5856
														TOTAL AMPS	53.5		

VOLTS 120/208V 3ø 4W MAIN 100/3
FEEDER SEE SINGLE LINE
BUS 100A CU MTG FLUSH
LOCATION WING 300

* RECONNECT (E) CIRCUITS TO NEW CIRCUITS AND (E) TIME SWITCH AS REQUIRED.

PANEL 'D' — TYPE NQOD

CIRCUIT WATTAGE ØA	ØB	ØC	USE	LOAD-TYPE LT	RC	HT	MO	CB	CB	LOAD-TYPE LT	RC	HT	MO	USE	CIRCUIT WATTAGE ØA	ØB	ØC
1400			LIGHTING	✓				20	20		5			RECEPTACLES	900		
	1400			✓				20	20		5			RECEPTACLES		900	
		1400		✓				20	20		5			RACEWAY			900
1400				✓				20	20		5			RACEWAY	900		
	1400			✓				20	20		4			RECEPTACLES		720	
		1080	(E) CORRIDOR LIGHTS	✓				20	20		5			RECEPTACLES			900
	1259		LIGHTING	✓				20	20		5			RACEWAY	900		
		900	RECEPTACLES		5			20	20		5			RECEPTACLES		900	
900			RECEPTACLES		5			20	20		5			RACEWAY			900
	900		RACEWAY		✓			20	20		5			RECEPTACLES	720		
		900	RACEWAY		✓			20	20		5			RECEPTACLES		900	
900			RECEPTACLES		4			20	20		5			RACEWAY	900		
	2640		DRYER		✓			30	20		5			RACEWAY		900	
		2640			✓			30	20		4			RECEPTACLES		720	
1200			WASHER		✓			20	20		5			RECEPTACLES	900		
	800		(E) CORRIDOR LIGHTS	✓				20	20		5			RACEWAY		900	
		500	SPARE					20	20		5			RACEWAY	900		
			SPACE						20		4			RECEPTACLES		720	
6100	8399	7420	SUB-TOTAL						20		4			RECEPTACLES	720		
														SUB-TOTAL	6120	5940	5940
															6100	8399	7420
															12220	14339	13360
														TOTAL AMPS	119.4		

VOLTS 120/208V 3ø 4W MAIN 150/3
FEEDER SEE SINGLE LINE
BUS 150A CU MTG FLUSH
LOCATION WING 400

* RECONNECT (E) CIRCUITS TO NEW CIRCUITS AND (E) TIME SWITCH AS REQUIRED.

PANEL 'E' — TYPE NQOD

CIRCUIT WATTAGE ØA	ØB	ØC	USE	LOAD-TYPE LT	RC	HT	MO	CB	CB	LOAD-TYPE LT	RC	HT	MO	USE	CIRCUIT WATTAGE ØA	ØB	ØC
1400			LIGHTING	✓				20	20		5			RECEPTACLES	900		
	1400			✓				20	20		5			RECEPTACLES		900	
		1400		✓				20	20		5			RACEWAY			900
1400				✓				20	20		5			RACEWAY	900		
	1400			✓				20	20		4			RECEPTACLES		720	
		1440		✓				20	20		5			RECEPTACLES			600
864				✓				20	20		5			RECEPTACLES	900		
	540		RECEPTACLES		3			20	20		✓			RACEWAY		900	
		528	E.D.F.		✓			20	20		✓			RACEWAY			900
1500			WATER HEATER		✓			20	20		4			RECEPTACLES	720		
	900		RECEPTACLES	4				20	20		5			RECEPTACLES		900	
		900		✓				20	20		5			RECEPTACLES			900
900				✓				20	20		✓			RACEWAY	900		
	4500		SUB. TO PORTABLE					50	20		✓			RACEWAY		900	
		4500						2/0	20		4			RECEPTACLES			720
			SPACE						20		5			RECEPTACLES	900		
									20		5			RECEPTACLES		900	
									20		5			RACEWAY	900		
									20		4			RECEPTACLES		720	
									20		4			RECEPTACLES			540
6064	8740	8768	SUB-TOTAL											SUB-TOTAL	6120	5940	5760
															6064	8740	8768
															12184	14680	14528
														TOTAL AMPS		122.3	

VOLTS 120/208V 3ø 4W MAIN 175/3
FEEDER SEE SINGLE LINE
BUS 175A CU MTG FLUSH
LOCATION WING 500

PANEL 'F' — TYPE NQOD

CIRCUIT WATTAGE ØA	ØB	ØC	USE	LOAD-TYPE LT	RC	HT	MO	CB	CB	LOAD-TYPE LT	RC	HT	MO	USE	CIRCUIT WATTAGE ØA	ØB	ØC
1400			LIGHTING	✓				20	20		5			RECEPTACLES	900		
	1400			✓				20	20		5			RECEPTACLES		900	
		1400		✓				20	20		5			RACEWAY			900
1400				✓				20	20		5			RACEWAY	900		
	1400			✓				20	20		4			RECEPTACLES		720	
		1440		✓				20	20		5			RECEPTACLES			600
1050			(E) CORRIDOR LIGHTS	✓				20	20		5			RECEPTACLES	900		
	1050		(E) CORRIDOR LIGHTS	✓				20	20		✓			RACEWAY		900	
		900	RECEPTACLES		5			20	20		✓			RACEWAY			900
900			RECEPTACLES		5			20	20		4			RECEPTACLES	720		
	900		RACEWAY		✓			20	20		5			RECEPTACLES		900	
		900	RACEWAY		✓			20	20		5			RECEPTACLES			900
900			RECEPTACLES		5			20	20		5			RACEWAY	900		
	900		RECEPTACLES		5			20	20		✓			RACEWAY		900	
		1500	WATER HEATER			✓		20	20		4			RECEPTACLES		720	
500			(E) OUTSIDE LIGHTS					20	20		5			RECEPTACLES	900		
	1200		(E) OUTSIDE LIGHTS					20	20		5			RECEPTACLES		900	
		500	SPARE					20	20		✓			RACEWAY			900
500			SPARE					20	20		✓			RACEWAY	900		
	4500		SUB. TO PORTABLE					50	20		4			RECEPTACLES		720	
		4500						2/0	20		4			RECEPTACLES			720
6650	11350	11640	SUB-TOTAL											SUB-TOTAL	6120	5940	5940
															6650	11350	11640
															12770	17290	17580
														TOTAL AMPS		146.5	

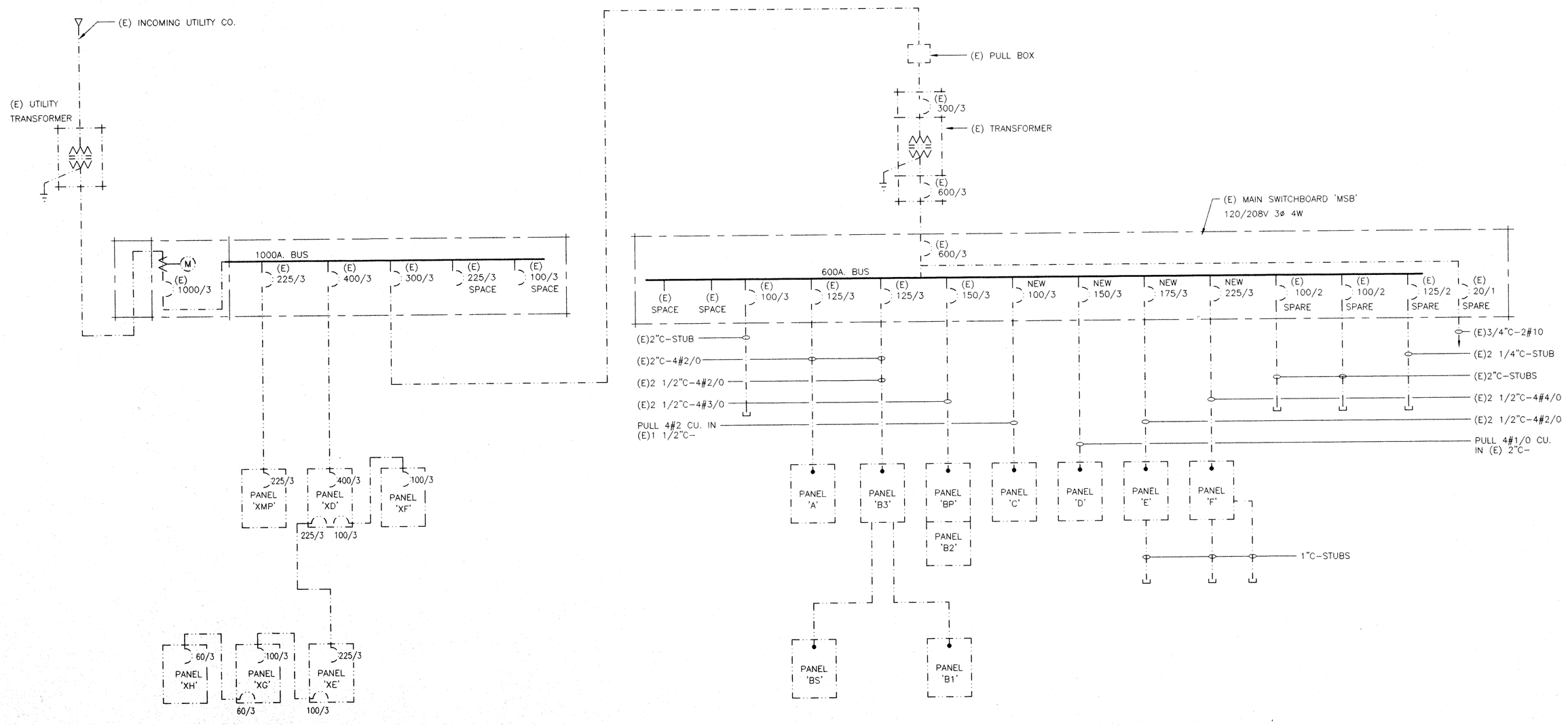
VOLTS 120/208V 3ø 4W MAIN 225/3
FEEDER SEE SINGLE LINE
BUS 225A CU MTG FLUSH
LOCATION WING 600

* RECONNECT (E) CIRCUITS TO NEW CIRCUITS AND (E) TIME SWITCH AS REQUIRED.

PANEL 'XMP' — TYPE EXISTING

CIRCUIT WATTAGE ØA	ØB	ØC	USE	LOAD-TYPE LT	RC	HT	MO	CB	CB	LOAD-TYPE LT	RC	HT	MO	USE	CIRCUIT WATTAGE ØA	ØB	ØC
2105			MUA-1					20	30	✓				(E) AC-3	4200		
	2105							3/0	30	✓						4200	
		2105						3/0	30	✓							4200
3400			(E) AC-5A					3/0	30	✓				MUA-2	2105		
	3400							3/0	30	✓						2105	
		3400	(E) AC-2					3/0	30	✓							2105
3100								3/0	30	✓				EF-1	498		
	3100							3/0	30	✓						498	
		3100						3/0	30	✓							498
									30	✓				EF-2	498		
									30	✓						498	
									30	✓							498
8605	8605	8605	SUB-TOTAL											SUB-TOTAL	7301	7301	7301
															8605	8605	8605
															15906	15906	15906
														TOTAL AMPS			57.4

VOLTS 480/277V 3ø 4W MAIN 225/3
FEEDER SEE SINGLE LINE
BUS 225A CU MTG SURFACE
LOCATION WING 200



SINGLE LINE DIAGRAM

NO SCALE — 1 / E1.1

SCArchitect, Inc.
1801 L Street
Bakersfield, CA 93301
(805) 327-1082

LICENSED ARCHITECT — STEPHEN J. COBB — No. C-16788 — REN. 12/30/00 — STATE OF CALIFORNIA

Stephen J. Cobb, Kern, CA

INTERSTATE ENGINEERING INC.
ESTABLISHED 1968
466 W. Fallbrook Ave., Suite 106
Fresno, California 93711
(209) 432-4490 / (209) 432-4474 fax
James W. Graham, Electrical Engineer
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DIV. OF THE STATE ARCHITECT
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AC FG FLS JAS SS
DATE: AUG 19 1999

RUTH HARDING SCHOOL MODERNIZATION
3201 PICO ST.
FOR
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, KERN COUNTY, CALIFORNIA

SINGLE LINE AND PANEL SCHEDULES

CHECK AND VERIFY ALL DIMENSIONS BEFORE PROCEEDING WITH THE WORK. REPORT DISCREPANCIES TO THE ARCHITECT. ALL CONSTRUCTION SHALL CONFORM TO THE C.B.C.

MARK	DATE	REVISIONS
△		
△		
△		
△		
△		

REGISTERED PROFESSIONAL ENGINEER — JAMES W. GRAHAM — No. 5101 — 09/30/01 — ELECTRICAL — STATE OF CALIFORNIA

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JOB NO. 957
DRAWN C.A.
CHECKED D.P.G.
DATE 04-27-99

E

1.1
2 OF 14 SHEETS

PLOT DATE: 03/30/99 (PS:E1)
PATH NAME: C:\(\SCA\98-227\RUTH-E1)