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DATE: OCT 26 1955

DISTRICT BOARD OF EDUCATION
APPROVED:

DATE: OCT 26 1955

CHECKED BY: R.F.R.

DRAWN BY: F.L.W.A.

DATE: OCT 26 1955

SHEET NO. E-9

JOB NO. 404

UNIT "D" • POWER & SIGNAL PLANS

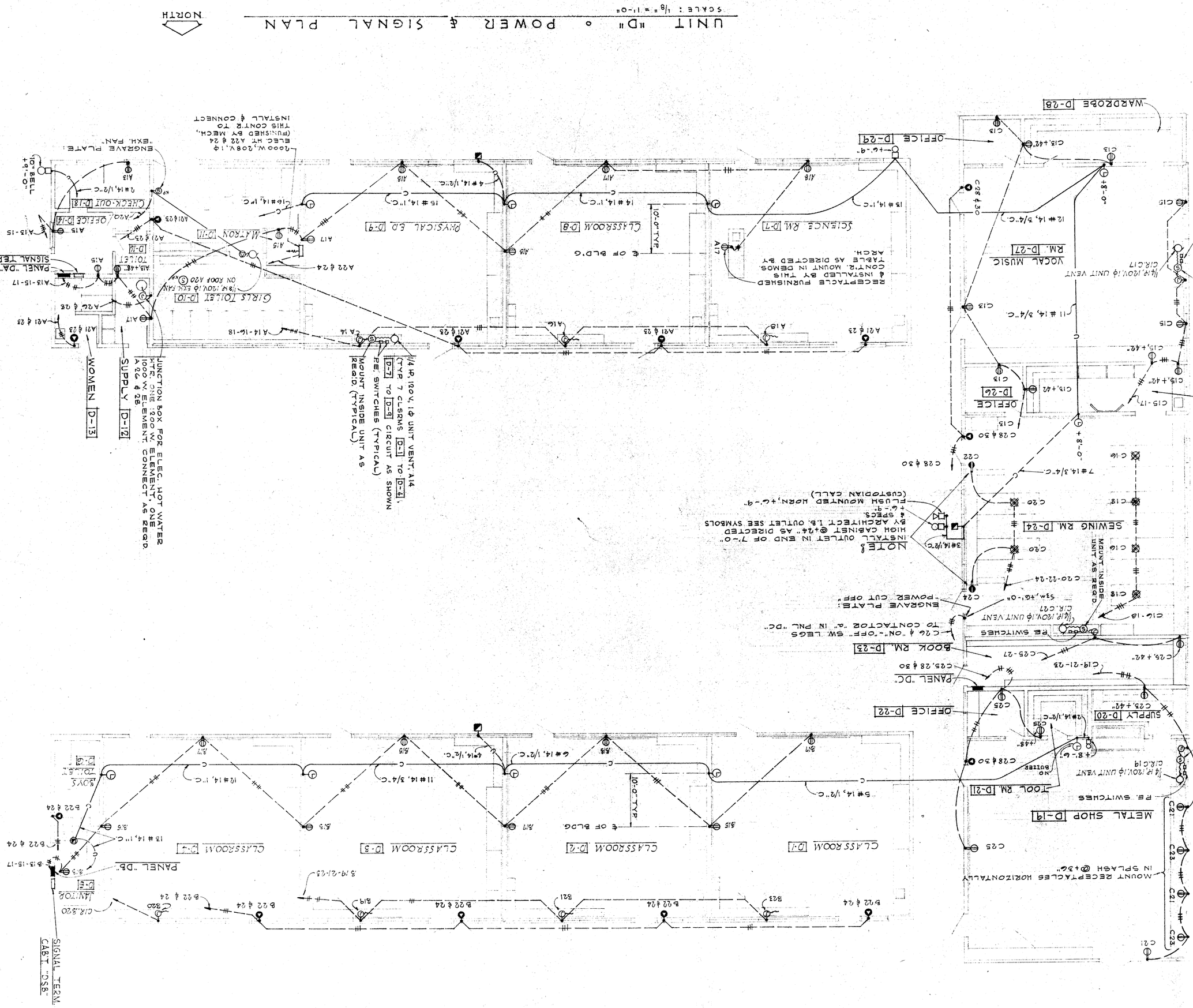
NEW JUNIOR HIGH SCHOOL
WOOD LANE & REAL ROAD
BAKERSFIELD CITY SCHOOL DISTRICT
BAKERSFIELD, CALIFORNIA

SUBSTITUTION: PORTER CLEARWAY 1000W

UNIT "D" • POWER & SIGNAL PLAN

SCALE: 1/8" = 1'-0"

NORTH



PANEL DC

277/480 VOLTS, 3 PHASE, 4 WIRE — LOCATION: CIRCUIT D21 — FEEDER "DC" — 400 A. BUSSING — ENTER CABT. AT BOTTOM MTG. SURF.

LOCATION	WATTAGE ΦA	ΦB	ΦC	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	WATTAGE ΦA	ΦB	ΦC	LOCATION
RM. D26 21,22,23 1600	9			1	2	3	4	60A/3P	5	6	7	8	1600		1600		RM D17
RM. D24	1600			8			9		10	11			1600			1600	
RM. D25 24,25,26,27 1600		1600		8			12		13	14			1600		800		SPARE
RM. D27			1600	8			15		16	17			800			800	
RM. D29	1600			8			18		19	20			800			800	
RM. D23 28,29,30 1600		1600		8			21		22	23			800			800	
RM. D22			1600	8			24		25	26			800			800	
RM. D28 31,32,33 1600	1600			8			27		28	29			800			800	
RM. D21		1600		8			30		31	32			800			800	
RM. D20 34,35,36 1600			1600	8			33		34	35			800			800	
RM. D19	1600			8			36		37	38			800			800	
RM. D18 37,38,39 1600		1600		8			39		40	41			800			800	
RM. D16			1600	8			42		43	44			800			800	

INSTALL 35 A. 1P TIME SWITCH (C14) AND 30 A. 5 POLE CONTACTOR "a" @ TOP OF PANEL UNDER SEPARATE, HINGED, LOCKABLE DOOR.

ΦA = 9,100 W.
ΦB = 8,750 W.
ΦC = 8,180 W.
TOTAL WATTS = 26,000 OR 72 AMPS.

PANEL D3

277/480 VOLTS, 3 PHASE, 4 WIRE — LOCATION: CIRCUIT D22 — FEEDER "D3" — 200 A. BUSSING — ENTER CABT. AT BOTTOM MTG. FLUSH

LOCATION	WATTAGE ΦA	ΦB	ΦC	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	WATTAGE ΦA	ΦB	ΦC	LOCATION
RM #D6	1100			10	1	1	1	100A/3P	2	3	1	1	6	700			RM #D2
RM #D4		1200		6			3		4	5			6		700		RM #D1
RM #D5			1200	6			5		6	7			6			700	RM #D3
COURTSIDE	1850			12	1	1	9		8	9			6	700			RM #D1
SPARE		800		11			11		10	11			6		700		RM #D1
RM #D7,8,9	600			4			13		12	13			6			700	RM #D1
RM #D10,11,12		600		4			15		14	15			6	700			RM #D1
RM #D13,14			600	4			17		16	17			6		700		RM #D1
RM #D15,16,17,18	1175			9	2	1	19		18	19			6	700			RM #D1
RM #D0,19		1000		11			21		20	21			6		700		RM #D1
RM #D21			1000	8			23		22	23			6			700	RM #D1
RM #D22	1200			9			25		24	25			6	700			RM #D1
RM #D23		1200		8			27		26	27			6		700		RM #D1
RM #D24			1200	8			29		28	29			6			700	RM #D1
SPARE	800			11			31		30	31			6	700			RM #D1
SPARE		800		11			33		32	33			6		700		RM #D1
SPARE			800	11			35		34	35			6			700	RM #D1
SPACE							37		36	37			6	700			RM #D1
SPACE							39		38	39			6		700		RM #D1
SPACE							41		40	41			6			700	RM #D1

INSTALL 35 A. 1P TIME SW. IN TOP OF PANEL UNDER SEPARATE, HINGED, LOCKABLE DOOR. B4

ΦA = 7,800 W.
ΦB = 7,500 W.
ΦC = 6,450 W.
TOTAL WATTS = 21,750 OR 60 AMPS.

PANEL D4

277/480 VOLTS, 3 PHASE, 4 WIRE — LOCATION: SCHOOL [D-14] — FEEDER "DA" — 200 A. BUSSING — ENTER CABT. AT BOTTOM MTG. BUSH

LOCATION	WATTAGE ΦA	ΦB	ΦC	LTG	REC	MIS	CIR	BKR	BKR	CIR	MIS	REC	LTG	WATTAGE ΦA	ΦB	ΦC	LOCATION
RM #D0,1,2,3,4,5,6	1175			9	2	1	1	100A/3P	2	3	1	1	6	700			RM #D2
RM #D0,20		1000		11			3		4	5			6		700		RM #D8
RM #D7			1000	6			5		6	7			6			700	RM #D8
RM #D8	1200			6			7		8	9			6	700			RM #D8
SPARE		800		11			9		10	11			6		700		RM #D8
SPARE			800	11			11		12	13			6			700	RM #D8
COURTSIDE	1850			12	1	1	13		14	15			6	700			RM #D8
RM #D9		1200		6			15		16	17			6		700		RM #D8
RM #D10			1200	6			17		18	19			6			700	RM #D8
RM #D11,12,13,14	1600			9	2	1	19		20	21			6	700			RM #D8
RM #D15,16		1000		11			21		22	23			6		700		RM #D8
RM #D17			1000	8			23		24	25			6			700	RM #D8
RM #D18	1200			8			25		26	27			6	700			RM #D8
RM #D19		1200		8			27		28	29			6		700		RM #D8
RM #D20			1200	8			29		30	31			6			700	RM #D8
SPARE	800			11			31		32	33			6	700			RM #D8
SPARE		800		11			33		34	35			6		700		RM #D8
SPARE			800	11			35		36	37			6			700	RM #D8
SPACE							37		38	39			6	700			RM #D8
SPACE							39		40	41			6		700		RM #D8
SPACE							41		42	43			6			700	RM #D8

INSTALL 35 A. 1P TIME SWITCH IN TOP OF PANEL UNDER SEPARATE, HINGED, LOCKABLE DOOR. A9

ΦA = 7,825 W.
ΦB = 8,500 W.
ΦC = 7,450 W.
TOTAL WATTS = 23,775 OR 66 AMPS.

CIRCUITS CONTROLLED BY SWX CONTACTOR "a" IN PANEL DC [D-24]