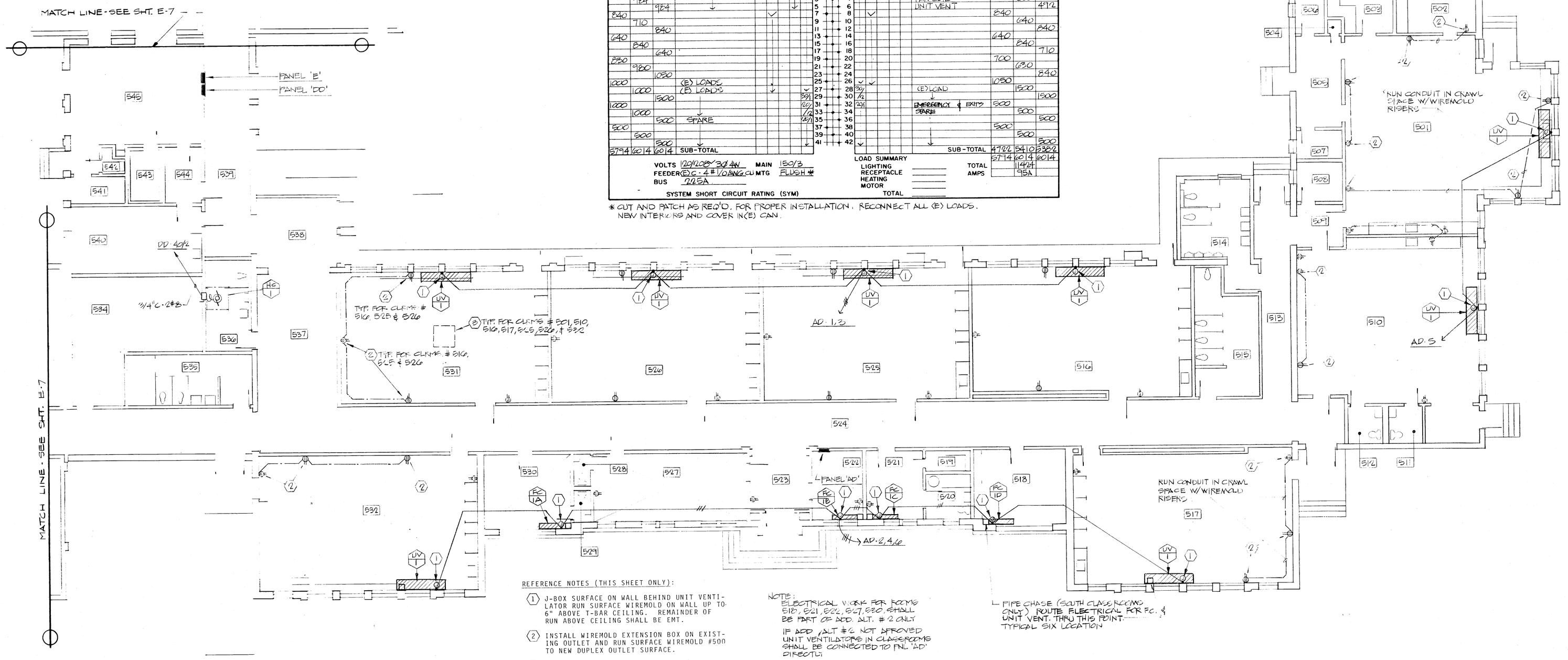

PANEL 'AD' (ELLIS. 500) TYPE NQOD (E)

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
924			UNIT VENT. 2, 2A					20/1	1					UNIT VENT	492		
	924		↓				↓		3					FAN COIL		500	
840					✓				5					UNIT VENT			492
	710								7		✓				840		
640		840							9							640	
	840								11						640		840
850		640							13							700	710
	980								15						700		
1000		1050							17							1050	840
	1000		(E) LOADS						19						1050		
1000		500	(E) LOADS						21					(E) LOAD		520	
	1000		↓						23					↓			1500
500								30/3	25	30/3					1500		
	500		SPARE					20/1	27	20/1				EMERGENCY & EXITS		500	
		500	↓					15/1	29	15/1				SPARE	500		500
								20/1	31	20/1				↓		500	
		500						15/1	33	15/1					500		500
								20/1	35	20/1							500
								15/1	37	15/1							500
								20/1	39	20/1							500
								15/1	41	15/1							500
5794	6014	6014	SUB-TOTAL											SUB-TOTAL	4742	5410	5382
															5714	6014	6014
																11424	

VOLTS 120/208 3Ø 4W MAIN 150/3
FEEDER (E) C - 4 # 1/0 AWG CU MTG FLUSH *
BUS 225A
SYSTEM SHORT CIRCUIT RATING (SYM)

LOAD SUMMARY
LIGHTING
RECEPTACLE
HEATING
MOTOR
TOTAL
TOTAL AMPS 95A

* CUT AND PATCH AS REQ'D. FOR PROPER INSTALLATION. RECONNECT ALL (E) LOADS. NEW INTERIORS AND COVER IN (E) CAN.

REFERENCE NOTES (THIS SHEET ONLY):

1. J-BOX SURFACE ON WALL BEHIND UNIT VENTILATOR RUN SURFACE WIREMOLD ON WALL UP TO 6" ABOVE T-BAR CEILING. REMAINDER OF RUN ABOVE CEILING SHALL BE EMT.
2. INSTALL WIREMOLD EXTENSION BOX ON EXISTING OUTLET AND RUN SURFACE WIREMOLD #500 TO NEW DUPLEX OUTLET SURFACE.
3. REMOVE ALL EXISTING ROOF CONDUITS, DISCONNECTS AND ELECTRICAL EQUIPMENT RELATED TO EVAPORATIVE COOLERS ON ROOF.

NOTE:
ELECTRICAL WORK FOR ROOMS 518, 521, 522, 527, 530, SHALL BE PART OF ADD. ALT. # 2 ONLY

IF ADD / ALT # 2 NOT APPROVED UNIT VENTILATORS IN CLASSROOMS SHALL BE CONNECTED TO PNL 'AD' DIRECTLY.

└ PIPE CHASE (SOUTH CLASSROOMS ONLY) ROUTE ELECTRICAL FOR FC. & UNIT VENT. THRU THIS POINT. TYPICAL SIX LOCATION

BUILDING 500 FLOOR PLAN - POWER

1/8"=1'-0"

PANEL 'E' (ELLIS. 500) TYPE NQOD (E)

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
900			(E) LOAD					15/1	1					(E) LOAD		900	
	900								3								900
900									5						900		
	900								7							900	
900									9								900
	900								11						900		
1000								20/1	13							1000	
	1000								15						1000		
		1000						15/1	17								1000
900								20/1	19						900		
	900								21							900	
		900	SPACE						23					SPACE			900
			↓						25					↓			
									27								
									29								
									31								
									33								
									35								
									37								
									39								
									41								
2700	2700	2700	SUB-TOTAL											SUB-TOTAL	2700	2700	2700
															2700	2700	2700

VOLTS 120/208Y 3Ø 4W MAIN MLO
FEEDER 1 1/4"C - 4#2 AWG CU MTG FLUSH *
BUS 100A
SYSTEM SHORT CIRCUIT RATING (SYM)

LOAD SUMMARY
LIGHTING
RECEPTACLE
HEATING
MOTOR
TOTAL
TOTAL AMPS 74A

* MTD. INSIDE (E) PANEL CAN IF APPLICABLE. OTHERWISE CUT AND PATCH AS REQ'D FOR PROPER INSTALLATION. RECONNECT ALL (E) LOADS

PANEL 'DD' (ELLIS. 500) TYPE NQOD (E)

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
1000			(E) LOAD					20/1	1					(E) LOAD		1000	
	1000								3								1000
1000									5						1000		
	1000								7							1000	
2000		1000							9								1000
	1200		HC 1 10.8 F.L.A.					30/3	11						540		
			↓					20/1	13					SPARE		500	
800			EDGE						15					↓			500
	500		SPARE					20/1	17						1400		
		500	↓						19					EVAP. FEED FRM. "G"		1400	
									21								1400
									23								
									25								
									27								
									29								
									31								
									33								
									35								
									37								
									39								
									41								
4500	4500	1500	SUB-TOTAL											SUB-TOTAL	4700	4900	4900
															A 47A	A 49A	A 49A
															4700	4900	4900

VOLTS 120/208Y 3Ø 4W MAIN 175/3
FEEDER (E) C - 4#2/0 AWG CU MTG FLUSH *
BUS 225A
SYSTEM SHORT CIRCUIT RATING (SYM)

LOAD SUMMARY
LIGHTING
RECEPTACLE
HEATING
MOTOR
TOTAL
TOTAL AMPS 140A

* CUT AND PATCH AS REQ'D FOR PROPER INSTALLATION. RECONNECT ALL (E) LOADS. NEW INTERIORS AND COVER IN (E) CAN.

PANEL 'EP' (IN ELLIS. 700) TYPE NGD (E)

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
540									1						220		
	500								3							500	
500		540							5						500		540
	540								7							1020	
540		500							9						740		840
	540								11							1080	
1400		1080							13								840
	500		SPARE						15						700		
500		600							17							500	
	500		↓						19						500		
									21							500	
									23								500
									25								
									27								
									29								
									31								
									33								
									35								
									37								
									39								
									41								
2940	2560	2460	SUB-TOTAL											SUB-TOTAL	3240	3700	3820
															3240	3940	3740
															7180		

VOLTS 120/208Y 3Ø 4W MAIN 100/3
FEEDER (E) C - 4#2 AWG CU MTG FLUSH *
BUS 100A
SYSTEM SHORT CIRCUIT RATING (SYM)

LOAD SUMMARY
LIGHTING
RECEPTACLE
HEATING
MOTOR
TOTAL
TOTAL AMPS 60A

* CUT AND PATCH AS REQ'D FOR PROPER INSTALLATION

approved

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C. 3132
C. 3269
*C. 6564
C. 8021
C. 8702

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POWER FLOOR PLAN · BUILDING 500 & PANEL SCHEDULES

HORACE MANN MODERNIZATION

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2710 NILES AVENUE
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