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DRWG. NO.	DRAWING TITLE
ES-1	ELECTRICAL SITE PLAN AND DETAILS
EL-1	SYMBOL LIST AND DRAWING SCHEDULE
EL-2	POWER AND LIGHTING RISER DIAGRAM
EL-3	POWER AND LIGHTING RISER DIAGRAM
EL-4	POWER AND LIGHTING RISER DIAGRAM
EL-5	TELEPHONE AND AUDIO-VISUAL SYSTEMS RISER DIAGRAMS
EL-6	FIRE ALARM RISER DIAGRAM
EL-7	SMOKE DETECTION AND P.A. SYSTEMS DIAGRAMS
EL-8	PRIMARY ONE LINE AND CONTROL DIAGRAMS
EL-9	GROUNDING SYSTEM DIAGRAMS
EL-10	GROUND FLOOR-WEST HALF POWER LAYOUT
EL-11	GROUND FLOOR-EAST HALF POWER LAYOUT
EL-12	FIRST FLOOR-WEST HALF POWER LAYOUT
EL-13	FIRST FLOOR-EAST HALF POWER LAYOUT
EL-14	SECOND FLOOR-WEST HALF POWER LAYOUT
EL-15	SECOND FLOOR-EAST HALF POWER LAYOUT
EL-16	THIRD FLOOR-WEST HALF POWER LAYOUT
EL-17	THIRD FLOOR-EAST HALF POWER LAYOUT
EL-18	FOURTH FLOOR POWER LAYOUT
EL-19	FIFTH FLOOR POWER LAYOUT
EL-20	SIXTH FLOOR POWER LAYOUT
EL-21	SEVENTH FLOOR POWER LAYOUT
EL-22	EIGHTH FLOOR POWER LAYOUT
EL-23	NINTH FLOOR POWER LAYOUT
EL-24	PENTHOUSE (NORTH-WEST) POWER AND POWER DIST. LAYOUT
EL-25	PENTHOUSE (SOUTH-WEST) POWER AND POWER DIST. LAYOUT
EL-26	PENTHOUSE (NORTH-EAST) POWER AND POWER DIST. LAYOUT
EL-27	PENTHOUSE (SOUTH-EAST) POWER AND POWER DIST. LAYOUT
EL-28	COOLING TOWER AREA ELECTRICAL LAYOUT
EL-29	PENTHOUSE UPPER LEVEL PART PLANS ELECTRICAL LAYOUT
EL-30	COMPOSITE ROOF PLAN ELECTRICAL LAYOUT
EL-31	GROUND FLOOR MECH. EQUIP. ROOMS POWER LAYOUT
EL-32	THIRD FLOOR MECH. EQUIP. ROOM POWER LAYOUT AND MISC. DETAILS
EL-33	GROUND FLOOR-WEST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-34	GROUND FLOOR-EAST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-35	FIRST FLOOR-WEST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-36	FIRST FLOOR-EAST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-37	SECOND FLOOR-WEST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-38	SECOND FLOOR-EAST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-39	THIRD FLOOR-WEST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-40	THIRD FLOOR-EAST HALF POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-41	FOURTH FLOOR POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-42	FIFTH FLOOR POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-43	SIXTH FLOOR POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-44	SEVENTH FLOOR POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-45	EIGHTH FLOOR POWER DIST. AND MISC. SYSTEMS LAYOUT
EL-46	NINTH FLOOR POWER DIST. AND MISC. SYTEMS LAYOUT
EL-47	GROUND FLOOR-WEST HALF LIGHTING LAYOUT
EL-48	GROUND FLOOR-EAST HALF LIGHTING LAYOUT
EL-49	FIRST FLOOR-WEST HALF LIGHTING LAYOUT
EL-50	FIRST FLOOR-EAST HALF LIGHTING LAYOUT
EL-51	SECOND FLOOR-WEST HALF LIGHTING LAYOUT
EL-52	SECOND FLOOR-EAST HALF LIGHTING LAYOUT
EL-53	THIRD FLOOR-WEST HALF LIGHTING LAYOUT
EL-54	THIRD FLOOR-EAST HALF LIGHTING LAYOUT
EL-55	FOURTH FLOOR LIGHTING LAYOUT
EL-56	FIFTH FLOOR LIGHTING LAYOUT
EL-57	SIXTH FLOOR LIGHTING LAYOUT
EL-58	SEVENTH FLOOR LIGHTING LAYOUT
EL-59	EIGHTH FLOOR LIGHTING LAYOUT
EL-60	NINTH FLOOR LIGHTING LAYOUT
EL-61	PENTHOUSE (NORTH-WEST) LIGHTING, REC. AND MISC. SYSTEMS LAYOUT
EL-62	PENTHOUSE (SOUTH-WEST) LIGHTING, REC. AND MISC. SYSTEMS LAYOUT
EL-63	PENTHOUSE (NORTH-EAST) LIGHTING, REC. AND MISC. SYSTEMS LAYOUT
EL-64	PENTHOUSE (SOUTH-EAST) LIGHTING, REC. AND MISC. SYSTEMS LAYOUT
EL-65	MISC. LIGHTING PART PLANS AND DETAILS
EL-66	KITCHEN AREA POWER LAYOUT AND SCHEDULES
EL-67	ENLARGED PLANS OF ELEC. EQUIP. ROOMS AND DETAILS
EL-68	ENLARGED PLANS OF ELEC. EQUIP. ROOMS AND DETAILS
EL-69	ENLARGED PLANS OF ELECTRICAL CLOSETS
EL-70	ENLARGED PLANS OF ELECTRICAL CLOSETS
EL-71	MOTOR CONTROL CENTERS - ELEVATIONS, ONE LINE DIAGRAMS
EL-72	MOTOR CONTROL CENTERS - ELEVATIONS, ONE LINE DIAGRAMS
EL-73	MOTOR CONTROL CENTERS - ELEVATIONS, ONE LINE DIAGRAMS
EL-74	ENLARGED TYPICAL LABORATORY PLANS AND DETAILS
EL-75	MISC. LABORATORY AND PIPE CHASE DETAILS

DRWG. NO.	DRAWING TITLE
EL-76	MISC. DETAILS
EL-77	MISC. DETAILS
EL-78	WIRING DIAGRAMS
EL-79	WIRING DIAGRAMS
EL-80	PANEL SCHEDULES
EL-81	PANEL SCHEDULES
EL-82	PANEL SCHEDULES
EL-83	PANEL SCHEDULES
EL-84	PANEL SCHEDULES
EL-85	PANEL SCHEDULES
EL-86	PANEL SCHEDULES
EL-87	PANEL SCHEDULES
EL-88	PANEL SCHEDULES
EL-89	PANEL SCHEDULES
EL-90	PANEL SCHEDULES

SYMBOL LIST

(REFER TO DETAIL "G" ON SH.#EL-76 FOR MOUNTING HEIGHT OF VARIOUS OUTLETS ETC.)

SYMBOL FLOOR	SYMBOL WALL	SYMBOL CEILING	DESCRIPTION (UNLESS NOTED OTHERWISE ON DRAWINGS)
	BD		PLUG-IN BUS DUCT, 225A, 208/120V, 3Φ, 4W, UNLESS NOTED OTHERWISE
			END CLOSURE
			EXPANSION JOINT
			CIRCUIT BREAKER PLUG-IN UNIT
			CABLE TAP BOX
	225A BD FBD		PLUG-IN BUS DUCT, 480V, 3Φ, 3W, NUMERALS INDICATE AMPERE RATING, "FBD" INDICATES FEEDER BUS DUCT.
	▼		TELEPHONE OUTLET, 12" ABOVE FLOOR. "W" DENOTES 5'-6" ABOVE FLOOR.
	■—T		FLUSH J.B. IN LINE WITH SIGNAL RACEWAY, SEE DETAILS "K" & "L" ON SH.#EL-77
	O—T		1" CONDUIT TO TRAY, SEE PLANS. FLUSH J.B. ABOVE SURFACE RACEWAY, SEE DETAIL "C" ON SHT. EL-77
	—N		1" NIPPLE THRU WALL FROM SIGNAL RACEWAY. SEE DETAIL "N" ON SHT. EL-77

SYMBOL FLOOR	SYMBOL WALL	SYMBOL CEILING	DESCRIPTION (UNLESS NOTED OTHERWISE ON DRAWINGS)
			CLOCK OUTLET, 7'-0" ABOVE FLOOR
		J	JUNCTION BOX
	WP		20A, 125 V, 2P, 3W, GROUNDED, NEMA 5-20R DUPLEX RECEPTACLE MOUNTED 12" A.F.F. "WP" DENOTES WEATHERPROOF
			CEILING MOUNTED DUPLEX RECEPTACLE. BOTTOM FLUSH WITH FINISHED CEILING
	SP		DUPLEX RECEPTACLE CONNECTED TO "CRITICAL POWER SYSTEM" PROVIDE RED NAME PLATE LETTERED "CRITICAL POWER"
	TV	TV	SPLIT WIRED DUPLEX RECEPTACLE FOR T.V. MONITORS (ONE RECEPTACLE SWITCHED AND (1) ONE RECEPTACLE ON CONSTANT CIRCUIT. "W" DENOTES WALL MOUNTED AT 7'-6" ABOVE FLOOR TO ℄
			COMBINATION OF T.V. FLOOD LIGHTING AND CAMERA RECEPTACLE OUTLET, CONSISTS OF (3) THREE 20A, 125 V, 2P, 3W GROUNDED LOCKING TYPE RECEPTACLE FOR FLOOD LIGHTS, AND (1) ONE 15A, 125 V, 2P, 3W, GROUNDED, LOCKING TYPE RECEPTACLE FOR T.V. CAMERA. (ALL RECEPTACLES FOR 120 V, 1Φ, 2W CIRCUITS) ONE FLOOD LIGHT RECEPTACLE AND CAMERA RECEPTACLE SHALL BE CONNECTED TO "9A" AND OTHER TWO RECEPTACLES SHALL BE CONNECTED TO "9B" AND "9C"
			FLOOR CLEANING OUTLET CONSISTS OF (1) ONE 20 A, 125 V, 2P, 3W GROUNDED RECEPTACLE (ON 120 V, 1Φ, 2W CIRCUIT) AND (1) 30 A, 208 V 3P, 4W, GROUNDED, LOCKING TYPE RECEPTACLE (ON 208/120 V, 3Φ, 3W CIRCUIT)
			T.V. CAMERA RECEPTACLE, 15A, 120 V, 2P, 3W, GROUNDED LOCKING TYPE RECEPTACLE (ON 120 V, 1Φ, 2W CIRCUIT)
			20 A, 208 V, 3P, 4 W, GROUNDED, LOCKING TYPE RECEPTACLE
			30 A, 208 V, 3P, 4W, GROUNDED, LOCKING TYPE RECEPTACLE (ON 208/120V, 1Φ, 3W CIRCUIT)
			30 A, 120 V, 2P, 3W, GROUNDED, LOCKING TYPE RECEPTACLE (ON 120 V, 1Φ, 2W CIRCUIT)
			30A, 208V, 4P, 5W, GROUNDED, LOCKING TYPE RECEPTACLE (ON 208/120 V, 3Φ, 4W CIRCUIT)
			50 A, 208 V, 4P, 5W, GROUNDED, RECEPTACLE (ON 208/120V, 3Φ, 4W CIRCUIT)
			SPECIAL RECEPTACLE, CHARACTERISTICS AS NOTED ON THE DRAWINGS
			20 A, 208V, 4P, 5W, GROUNDED, LOCKING TYPE RECEPTACLE (ON 208/120V, 3Φ, 4W CIRCUIT)
			SPECIAL CEILING MOUNTED PULL DOWN RECEPTACLE OUTLET WITH RECESSED ENCLOSURE AND REEL. SEE DETAIL "M" ON SHT # EL-76
			FLOORBOX WITH FLUSH MOUNTED, 15 A, 120 V, 2P, 3 W, GROUNDED LOCKING TYPE RECEPTACLES.
		SF.	FLOORBOX AND CONDUIT NIPPLE TO POWER SERVICE FITTING WITH 20 A, 125 V, 2P, 3W, GROUNDED, DUPLEX RECEPTACLE.
			FLOORBOX AND CONDUIT NIPPLE TO TELEPHONE SERVICE FITTING
			SINGLE OR DOUBLE FACED PEDESTAL DUPLEX RECEPTACLE FITTING FURNISHED WITH LABORATORY BENCH OR EQUIPMENT, INSTALLED & WIRED BY THIS CONTRACTOR.

SEE SH.#EL-74 FOR TYPICAL LAB. LAYOUTS & DETAILS

J.BOX BEHIND S.R. FOR SIGNAL SERVICE, SEE DETAIL "A" ON SH.#EL-77.

	J.BOX BEHIND SURFACE RACEWAY FOR CRITICAL POWER CIRCUITS. SEE DETAIL "B" ON SH.#EL-77.
	INDICATES CHANGE OF ELEVATION
	INDICATES RECEPTACLE MTD. UNDER COUNTER. SEE DETAIL "K" ON SH.#EL-76.
	4 3/4"HX1 3/8"D SURFACE RACEWAY WITH DUPLEX & SPECIAL RECEPTACLES AS INDICATED
	4 3/4"HX1 3/8"D SURFACE RACEWAY WITH DUPLEX RECEPTACLES
	4 3/4"HX1 3/8"D SURFACE RACEWAY WITH DIVIDER FOR COMBINATION SIGNAL AND POWER SYSTEM.
	CONDUIT & DUPLEX RECEPTACLES INSTALLED THRU VERTICAL SUPPORTS OF LAB. BENCHES. SEE SECTION "A-A" ON SHT. EL-74.

CONDUIT DESIGNATION FOR MISC. SYSTEMS

TV	TELEVISION SYSTEM CONDUIT
F	FIRE ALARM SYSTEM CONDUIT, CROSS LINES INDICATE NUMBER OF WIRES (2 SHOWN)
T	TELEPHONE SYSTEM CONDUIT. MIN. SIZE 3/4"c.
S	SMOKE DETECTION SYSTEM CONDUIT
P	PAGING-SOUND SYSTEM CONDUIT
D	DOOR ALARM SYSTEM CONDUIT. MINIMUM SIZE 3/4"c.

NOTES: 1. ALL TELEVISION CONDUIT SHALL BE 3/4" UNLESS OTHERWISE NOTED.
2. MINIMUM SIZE CONDUIT FOR FIRE ALARM AND PAGING SYSTEMS SHALL BE 1/2"

FIRE ALARM

F	MANUAL NON-CODE STATION, FLUSH MOUNTED, 4'-0" ABOVE FL. TO ℄
AL	ALARM HORN, FLUSH WALL MOUNTED OR AS NOTED. 7'-6" ABOVE FL. TO ℄, OR AS NOTED, NUMBER INDICATES CIRCUIT NO.
FT	TERMINAL CABINET, SIZE AS NOTED, SURFACE MOUNTED, OR AS NOTED, 6'-0" TO TOP ABOVE FLOOR
F_S	SPRINKLER RISER WATER FLOW ALARM SWITCH
FB	WATER FLOW ALARM BELL
FB	TROUBLE BELL
ST	TERMINAL CABINET, SIZE AS NOTED, SURFACE MOUNTED OR AS NOTED, 6'-0" TO TOP ABOVE FLOOR

SMOKE DETECTION SYSTEM

S_D	SMOKE DETECTOR, LETTER "D" INDICATES DUCT TYPE
	SMOKE DOOR MAGNETIC HOLDER, 7'-6" TO ℄ ABOVE FLOOR

TELEVISION SYSTEM

C		CAMERA OUTLET, 4"SQX2 1/8"D WITH BLANK COVER, FLUSH WALL MOUNTED, 15" ABOVE FLOOR
TV W	TV C	MONITOR OUTLET, 4"X4"X2 1/8"D, WITH BLANK COVER, FLUSH WALL MOUNTED, 15" ABOVE FLOOR, OR WITH LETTER "C" INDICATES FLUSH CEILING MOUNTED, OR "W" INDICATES WALL MOUNTED AT 7'-6" ABOVE FLOOR TO ℄ OR AS NOTED

P. A.

	S	FLUSH CEILING MOUNTED LOUDSPEAKER, BACK BOX & GRILL. "S" DENOTES COMPLETE WITH SPEAKER.
		FLUSH FLOOR OUTLET 4 OR 6 GANG
		MICROPHONE OUTLET, SINGLE GANG

SYMBOL FLOOR	SYMBOL WALL	SYMBOL CEILING	DESCRIPTION (UNLESS NOTED OTHERWISE ON DRAWINGS)
		20"W 10'-0"	SUSPENDED OR SURFACE INCANDESCENT, MERCURY VAPOR LIGHT FIXTURE. (LETTER DENOTES FIXTURE TYPE, NUMERALS LAMP WATTAGE, 10'-0" MOUNTING HEIGHT)
			SQUARE LIGHT FIXTURE
	T		FLUORESCENT LIGHT FIXTURE
			FLUORESCENT FIXTURE ON CRITICAL POWER CIRCUIT
			EXIT LIGHT, ARROW DENOTES DIRECTIONAL SIGN
			1'X4' FLUORESCENT FIXTURE, (1) LAMP ON EMERGENCY CIRCUIT
			2'X4' FLUORESCENT FIXTURE, (2) LAMP ON EMERGENCY CIRCUIT
		B	EMERGENCY BATTERY LIGHTING UNIT
	S_{DL}		SINGLE POLE SWITCH, (LETTERS INDICATE MULTIPLE SINGLE POLE SWITCHES), MOUNTED 46" A.F.F.
	2		DOUBLE POLE SWITCH
	3		THREE WAY SWITCH
	4		FOUR WAY SWITCH
	K		KEY OPERATED SWITCH
	P		SWITCH AND PILOT LIGHT
	DM		DOOR SWITCH.
	MC		MOMENTARY CONTACT SWITCH
	S		FUTURE SWITCH BOX WITH BLANK COVER PLATE & CONCEALED CONDUIT IN WALL. SEE DETAIL "K" ON SHT. EL-74
			4"x4" WIREWAY FOR BRANCH & FEEDER WIRES. SEE DETAILS ON SHT. EL-74
	SP,LP		LOCATION CIRCUIT PANEL BOARD. "SP" DENOTES BUILDING PANEL, "LP" LABORATORY PANEL. 480 V, 3Φ, 3W, POWER DISTRIBUTION PANEL
			TELEPHONE TERMINAL CABINET
	DP C		DRY TYPE TRANSFORMER, "C" DENOTES CEILING HUNG TRANSFORMER. SEE TYP. DETAIL ON SHT. EL-75
	MCC		MOTOR CONTROL CENTER
			BRANCH WIRING CONCEALED IN CEILING OR WALL OF INDICATES "CONDUIT ONLY"
			BRANCH WIRING CONCEALED IN FLOOR OR BELOW STRUCTURAL SLAB.
			BRANCH WIRING EXPOSED
			HOME RUN — LETTER AND NUMBER INDICATE PANEL AND BRANCH CIRCUIT NUMBER. THREE AND MORE CROSS LINES INDICATE AMOUNT OF #12 WIRES IN CODE SIZE CONDUIT, OTHERS AS NOTED. CONDUIT WITHOUT CROSS LINES INDICATES 2 #12 WIRES.
			WIRING TURNED UP
			WIRING TURNED DOWN
		TR 6"	CABLE TRAY, NUMERAL INDICATES TRAY SIZE
		WW 4X4	ENCLOSED SQUARE 4"x4" WIREWAY, OTHER SIZES AS INDICATED
			CONDUIT SEAL AGAINST AIR MOVEMENT THRU. CONDUIT WHEN IT PASSES THRU INFECTIOUS AGENTS LABS.

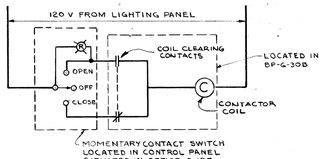
INDICATES EXPANSION JOINT

PHASE WIRES
INDICATES NEUTRAL
INDICATES GROUND WIRE IF REQUIRED

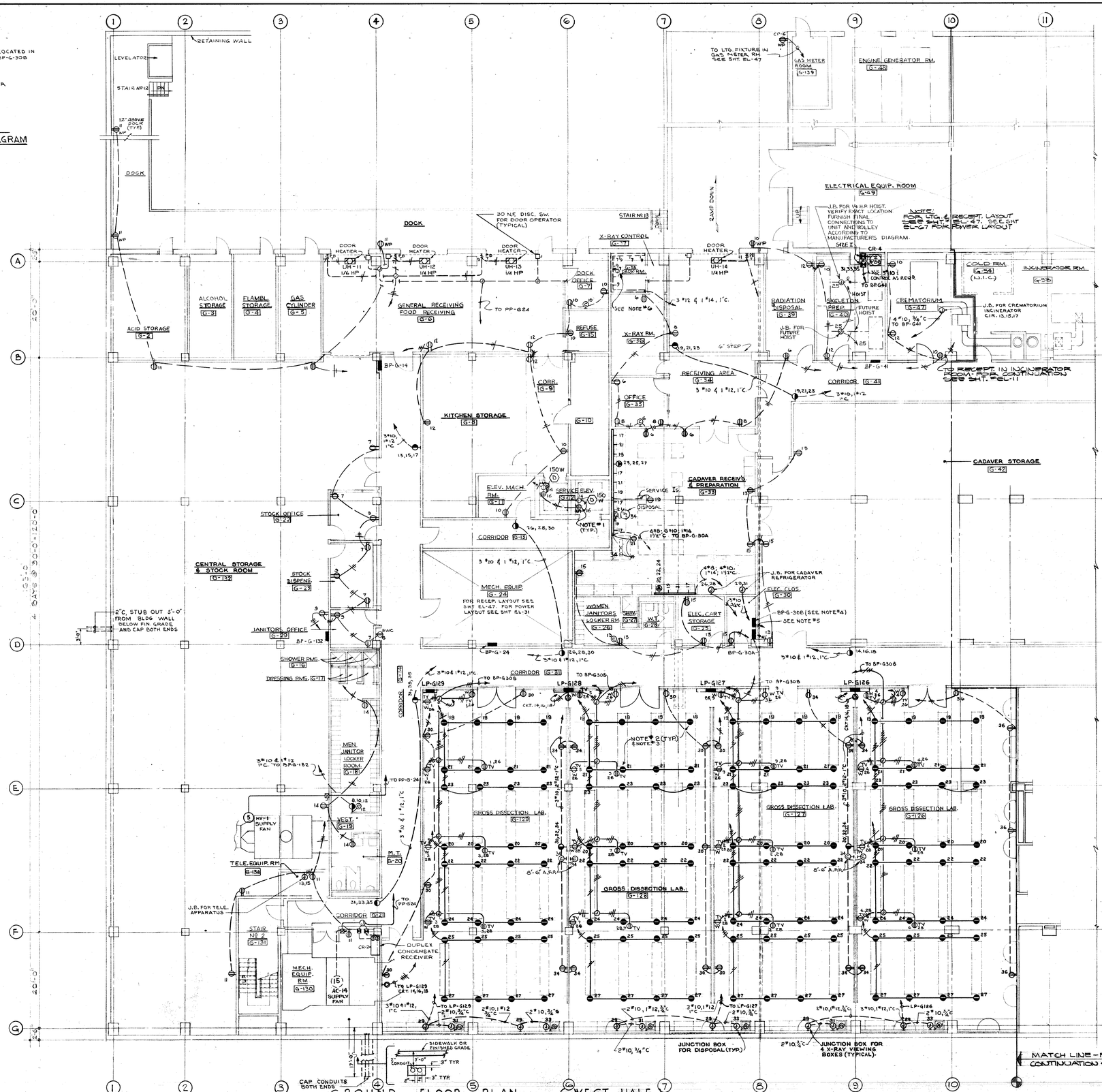
	M	SINGLE PHASE MOTOR, "HP" AS INDICATED
	M	THREE PHASE MOTOR
	G	GENERATOR
		FUSIBLE DISCONNECT SWITCH
		NONFUSIBLE DISCONNECT SWITCH
		CIRCUIT BREAKER
		MAGNETIC MOTOR STARTER
		COMBINATION MAGNETIC STARTER WITH CIRCUIT BREAKERS
		COMBINATION MAGNETIC MOTOR STARTER WITH NONFUSIBLE DISCONNECT SWITCH
	F,K T	120 V, 1Φ, TOGGLE MOTOR STARTER WITH THERMAL OVERLOAD RELAY. "F" DENOTES FLUSH MOUNTED "K" DENOTES KEY OPERATED TYPE
	P L-O	PUSH BUTTON STATION, "P" DENOTES PILOT LIGHT, "L.O." LOCK OUT TYPE
	H	"HAND-OFF-AUTO" SELECTOR SWITCH
	T	THERMOSTAT, LINE VOLTAGE TYPE
	P	PRESSURE SWITCH
		SOLENOID VALVE
	PEM	PNEUMATIC-ELECTRIC SWITCH
	EPM	ELECTRIC-PNEUMATIC VALVE
		GROUND ROD
		BARE GROUND CABLE #4/0 OR AS NOTED
		GROUND CONNECTION
		GROUND INSERT FLUSH WITH FLOOR

REVISIONS	DATE	ISSUED FOR

B. K. ELLIOTT CO. 301 792 1-67•



GROSS DISECTION LAB COMPLEX
T.V. MONITOR CONTACTOR CONTROL DIAGRAM



GROUND FLOOR PLAN (WEST HALF)
SCALE: 1/8"=1'-0" FINISH FLOOR ELEVATION 138'-0"

NOTES:

1. LIGHT SWITCH SHALL BE LOCATED 4'-0" ABOVE PIT FLOOR. LIGHT SHALL BE LOCATED 3'-6" ABOVE PIT FLOOR. RECEPTACLE SHALL BE LOCATED 1'-6" ABOVE PIT FLOOR.
2. FOR EXACT LOCATION OF RECPTACLE ENCLOSURES SEE ARCHITECTURAL DWG.# A-29 OF REFLECTED CEILING PLAN.
3. VARIATIONS OF RECEPTACLE ENCLOSURES LOCATION, BECAUSE OF OBSTRUCTIONS, SHALL BE COORDINATED WITH MECHANICAL CONTRACTOR.
4. LIGHTING PANEL SHALL BE CONTACTOR CONTROLLED. CONTACTOR SHALL BE 60A-3P AND SHALL BE LOCATED IN THE LIGHTING PANEL. SEE CONTROL DIAGRAM THIS SHEET.
5. 3#14, ¾"C TO REMOTE CONTROL SWITCH IN T.V. MONITOR CONTROL PANEL LOCATED IN GROSS DISSECTION OFFICE G-125. SEE SHEET EL-11.
6. FOR LOCATION OF CHILLER WALL JUNCTION BOXES REFER TO "LE" DRAWINGS. CONNECT CHILLER WITH FLEXIBLE CONDUIT & WIRE AS REQUIRED SEE LE-8

NO.	DATE	REVISIONS
13	2-6-70	GEN. CONT. CONSTR.
#9	4-9-69	GEN. CONT. CONSTR.
#8	12-6-68	GEN. CONTRACT. CONSTR.
#6	6-28-68	GENERAL CONTRACT-CONSTR.
5	5-7-68	GENERAL CONTRACT- CONSTR.
ADD.#6	1-26-68	ALL CONTRACTS- BIDS- ADD.#1
ADD.#1	12-1-67	LABORATORY FURNITURE EQUIPMENT ALL CONTRACTS BIDS-SPEC.
	10-31-67	ALL CONTRACTS BIDS-ADD.#1
	9-28-67	ALL CONTRACTS BIDS-SPEC.

PROJECT DIRECTOR: C. B. McGREW
SUPERVISOR: C.V.Z.
DRAWN BY: P.J.M/E.W.C.
CHECKED BY: C.V.Z.
APPROVED: DATE SEPT. 25, 1967

STATE OF MICHIGAN
DEPARTMENT OF THE BUDGET
BUREAU OF
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: GROUND FLOOR – WEST HALF POWER LAYOUT

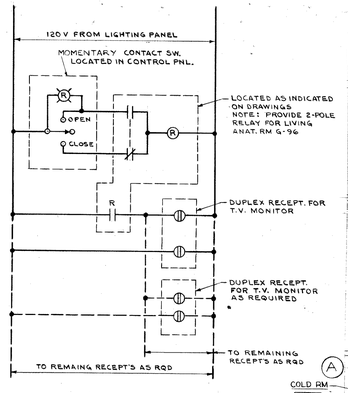
ARCHITECTS JOB NO. 66-121
SHEET NO. EL-10

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT, MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN
DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC SERVICE, MINISTRY OF HEALTH, PUBLIC HEALTH SERVICE, NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE

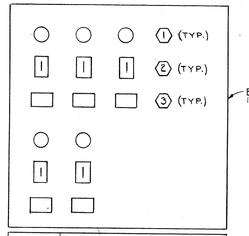
JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
DETROIT

B. K. ELLIOTT CO. 301 780 1-67



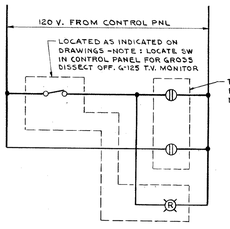
TYPICAL REMOTELY SWITCHED T.V. MONITOR CONTROL DIAGRAM

ROOMS: G-96, G-115, G-116



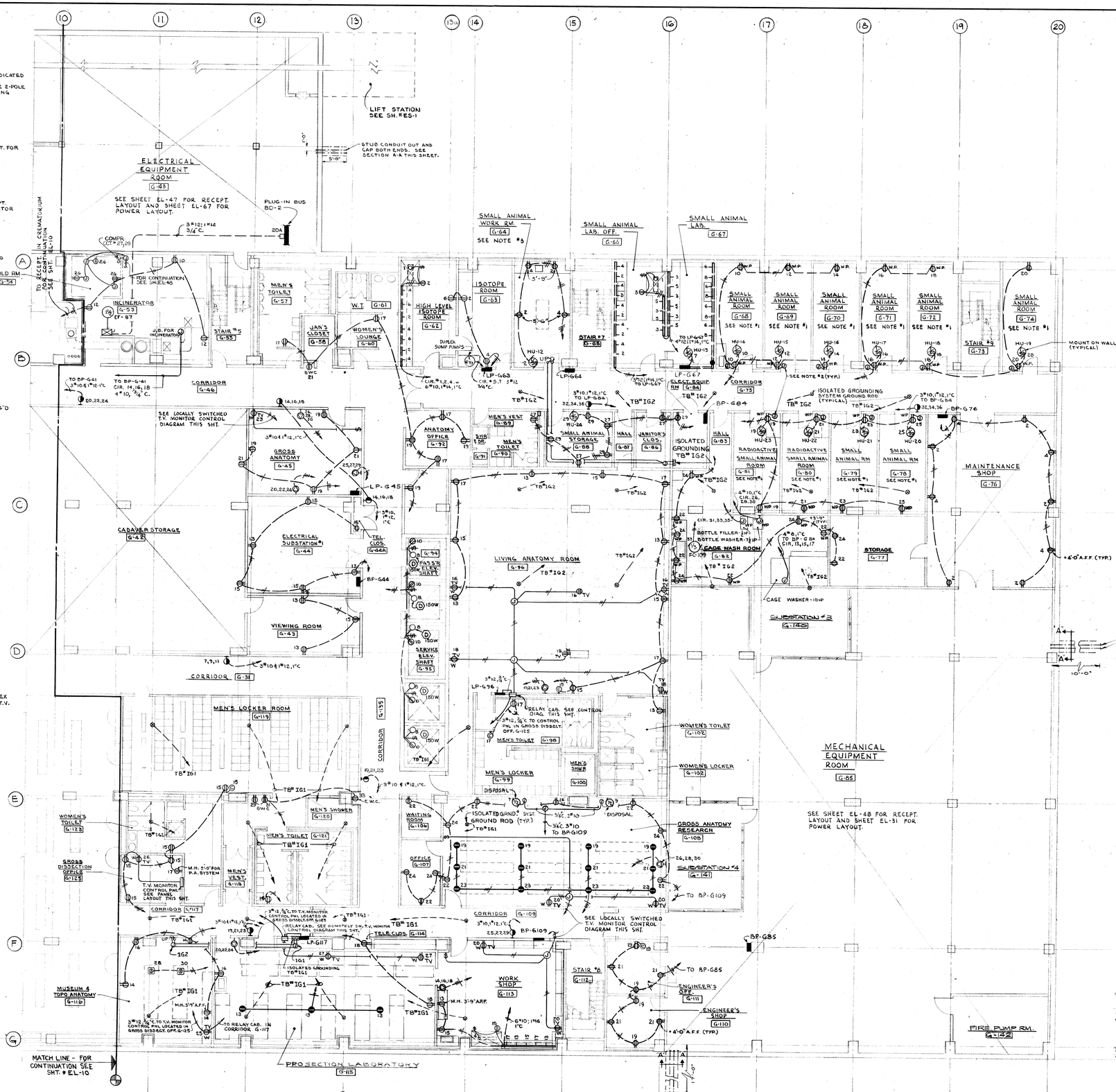
IDENT	DESCRIPTION
(1)	RED INDICATOR LIGHT
(2)	MOMENTARY CONTACT SW
(3)	NAME PLATE - (NAME PLATE TO INCLUDE ROOM NAME AND NUMBER

TYPICAL T.V. MONITOR CONTROL PANEL



TYPICAL LOCALLY SWITCHED T.V. MONITOR CONTROL DIAGRAM

ROOMS: G-45, G-108, G-113, G-123, G-125 2-58, 2-80, 3-36, 3-74.



GROUND FLOOR (EAST HALF)

SCALES 1/8" = 1'-0" FINISH FLOOR ELEVATION 138'-0"

NOTES:

1. RECEPTACLES IN SMALL ANIMAL ROOM SHALL BE 4'-0" AFF.
2. PROVIDE A FLUSH J.B. 7'-0" A.F. FOR FUTURE AUTOMATIC CAGE FLUSHING SYSTEM. DEAD END WIRES IN J.B. FOR FUTURE EXTENSION.
3. EXPLOSION PROOF AREA - AREA TO BE CLASSIFIED AS CLASS I; DIVISION I; GROUP 'C' FROM FLOOR UPWARD TO 5'-0" A.F.F.

NO.	REVISIONS	BY	DATE
—	—	—	—
59A	ENVIRONMENTAL PARA. CONTR. REVISED	RE	5-15-68
59	BLDG. SPEC. AND ADDENDUM 3 (MD)	RE	4-9-68
46	GENERAL CONTRACT CONSTR.	RE	12-3-67
45	GENERAL CONTRACT CONSTR.	K.E.	6-28-68
46	ALL CONTRACTS - BIDS - ADDM'S	K.E.	1-26-68
—	LABORATORY EQUIPMENT DESIGN	K.E.	12-1-67
ADD.#1	ALL CONTRACTS-BIDS-ADD.#1	K.E.	10-31-67
ADD.#2	ALL CONTRACTS BIDS SPEC.	K.E.	9-25-67

DATE	ISSUED FOR
5-15-68	BIDS
4-9-68	BIDS
12-3-67	BIDS
6-28-68	BIDS
1-26-68	BIDS
12-1-67	BIDS
10-31-67	BIDS
9-25-67	BIDS

PROJECT DIRECTOR IN CHARGE: C. V. Z.
DESIGNED BY: C. V. Z.
DRAWN BY: JRS/EWC
CHECKED BY: C. V. Z.
APPROVED: SEPT. 25, 1967

"APPROVED FOR CONSTRUCTION"
DIRECTOR, OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES SERVICE MICH. - 129-15 RESEARCH FACIL. NATIONAL INSTITUTE OF HEALTH: PUBLIC H.

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

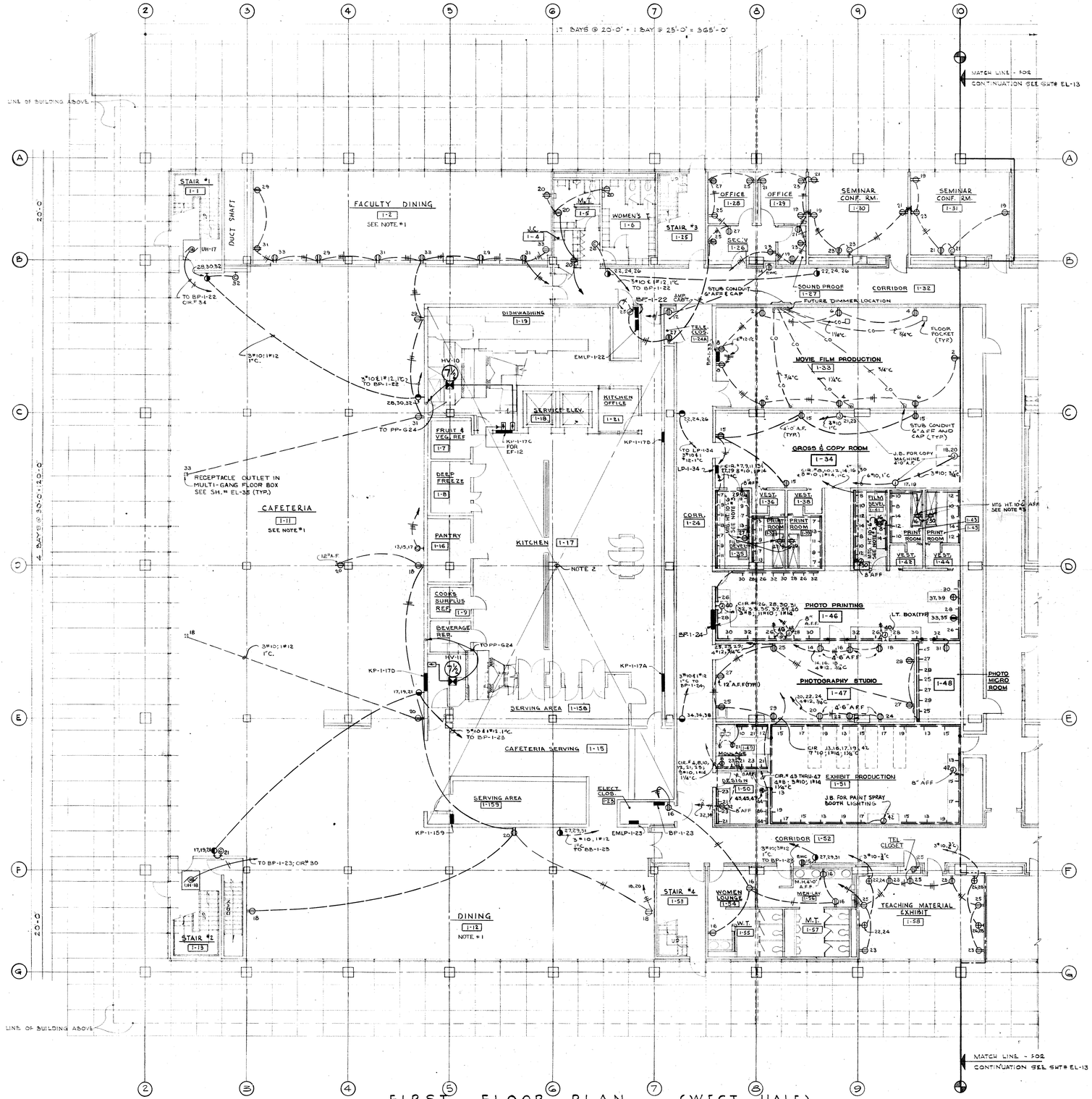
REVIEW ☐ ISSUED ☐
CONSTRUCTION ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD ☐

SHEET TITLE: GROUND FLOOR - EAST HALF POWER LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-11

B. K. ELLIOTT CO. 301 750 1-67+



FIRST FLOOR PLAN (WEST HALF)

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

FINISH FLOOR ELEVATION 152'-0"

GENERAL NOTES

1. RECEPTACLE OUTLETS IN CAFETERIA AND DINING AREAS SHALL BE BASE MOUNTED.
2. REFER TO SH.# EL-66 FOR POWER LAYOUT OF KITCHEN DISHWASHING AND SERVICE AREA.
3. INSTALL CORD WITH RECEPTACLE PLUG TO CHILLER AND CLAMP AS REQUIRED.

NO.	DATE	REVISIONS
#9	4-9-68	K.E.
#7 & #8	3-17-68	K.E.
#3A	8-18-68	J.K.
#5	8-28-68	K.E.
ADDENDUM #6	1-26-68	K.E.
ADDENDUM #4	12-1-67	K.E.
ADDENDUM #1	10-31-67	K.E.
ADDENDUM #2	10-31-67	K.E.
ADDENDUM #3	11-1-67	K.E.

ISSUED FOR: CONSTRUCTION

PROJECT DIRECTOR	IN CHARGE
C. B. McGREW	K. ESME
DESIGNED BY: CVZ/PN	DRAWN BY: RLM/JRS
CHECKED BY: CVZ/PN	DATE: SEPT 25, 1967
APPROVED:	

DATE	ISSUED FOR
6-9-67	GEN. CONT. CONSTR.
10-17-67	GEN. CONT. CONSTR.
8-19-68	GEN. CONT. CONSTR.
6-28-68	GENERAL CONTRACT - CONSTR.
1-26-68	ALL CONTRACTS - BIDS - ADD #6
11-1-67	LABORATORY PRINTS RECEIVED FOR CONSTRUCTION
10-31-67	ALL CONTRACTS - BIDS - ADD #1
9-25-67	ALL CONTRACTS BIDS-SPEC

DIRECTOR, OFFICE OF CAPITAL PROJECTS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, MICH. 133-132 RESEARCH FACILITIES, NIH, NATIONAL INSTITUTE OF HEALTH, BETHESDA, MARYLAND 20810

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
DETROIT

STATE OF MICHIGAN
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BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

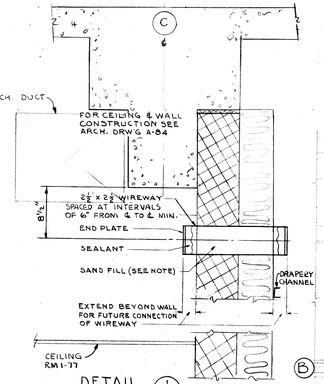
ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD
ACCOUNT NO. 100-1590-250-026

SHEET TITLE
FIRST FLOOR - WEST HALF POWER LAYOUT

ARCHITECTS JOB NO.
66-121

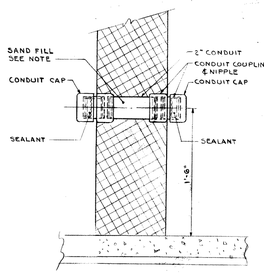
SHEET NO.
EL-12

B. K. ELLIOTT CO. 301 782 1-672



DETAIL (1/13) N.T.S.

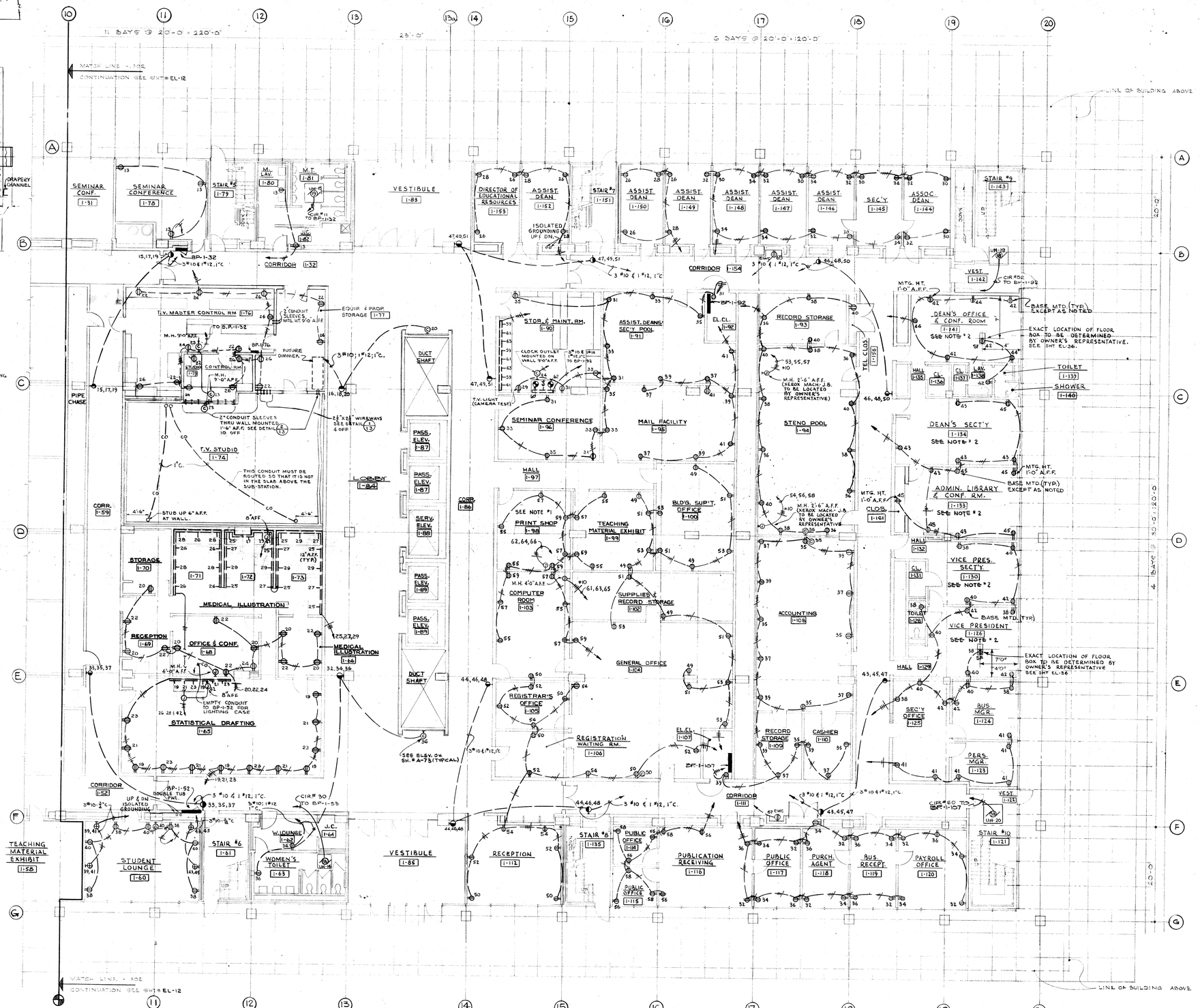
NOTE: SAND SHALL CONTAIN SUITABLE BONDING AGENT AND SHALL BE TAMPED INTO WIREWAY. NO VOID SHALL BE PERMITTED.



DETAIL (2/13) N.T.S.

NOTE: SAND SHALL CONTAIN SUITABLE BONDING AGENT AND SHALL BE TAMPED INTO CONDUIT. NO VOIDS SHALL BE PERMITTED.

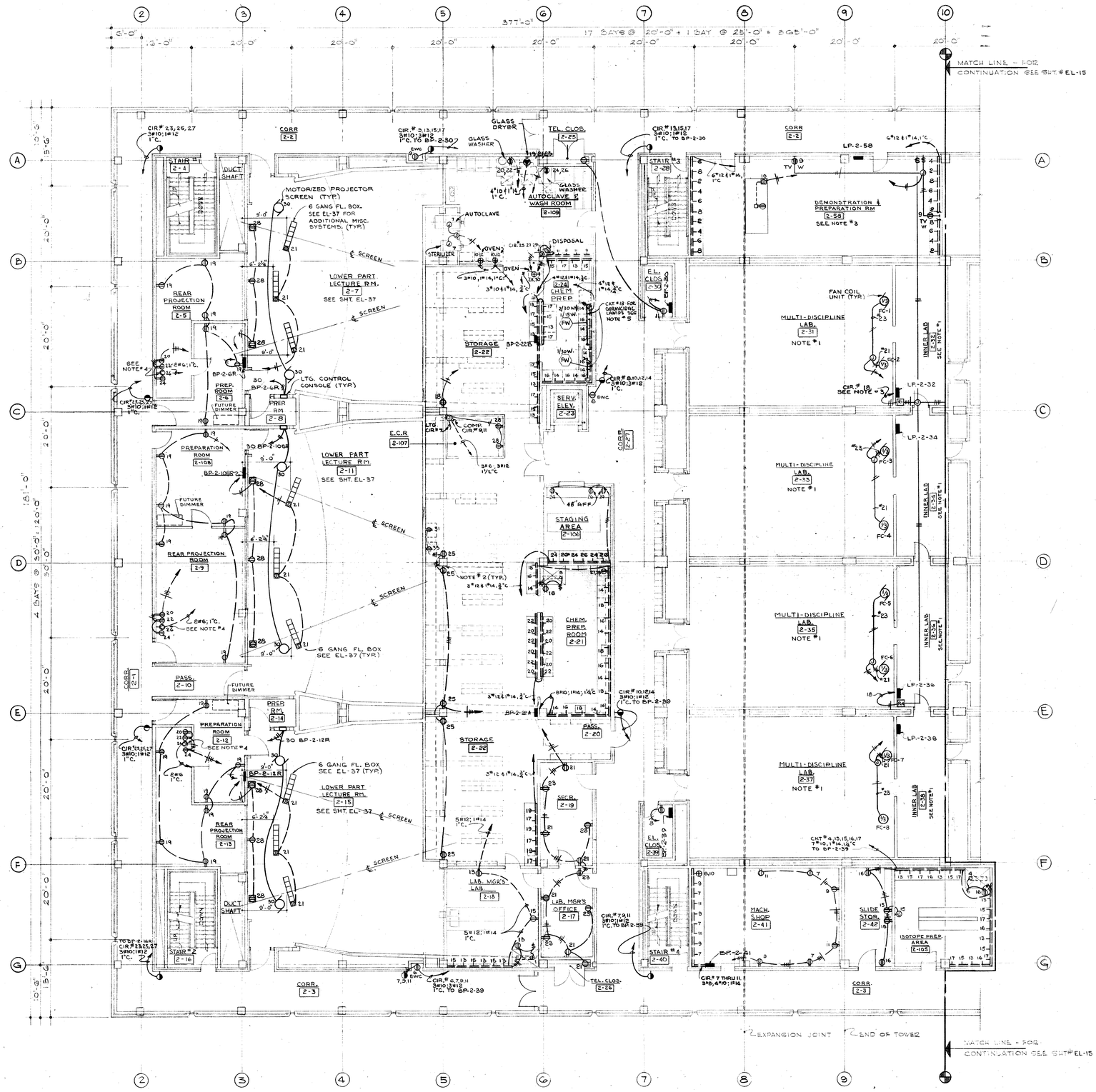
NOTES
1. RECEPTACLES AND J.B.'S IN PRINT SHOP 1-98 SHALL BE MOUNTED 4'-0" A.F.F.
2. LOCATE ALL RECEPTACLES THIS AREA IN BASE.



FIRST FLOOR PLAN (EAST HALF)
SCALE: 1/8"=1'-0"
FINISH FLOOR ELEVATION 152'-0"

| | | |

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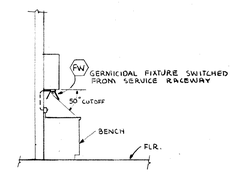
SECOND FLOOR PLAN (WEST HALF)

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

FINISH FLOOR ELEVATION 168'-0"

GENERAL NOTES

1. REFER TO SH.# EL-15 FOR TYPICAL POWER LAYOUT OF MULTI-DISCIPLINE & INNER LABS.
2. COLUMN MOUNTED RECEPTACLES IN STORAGE ROOM #2-22 SHALL BE SURFACE TYPE.
3. REFER TO SH. EL-15 FOR TYPICAL MULTI-DISCIPLINE LAB. T.V. MONITOR CONTROL DIAGRAM & TO SH. EL-11 FOR DEMONSTRATION & PREPARATION ROOM LOCALLY SWITCHED T.V. MONITOR CONTROL DIAGRAM.
4. PROVIDE 50A. 120V., 2P., 3W. GROUNDING TYPE RECEPTACLE.
5. SINGLE STRIP GERMICIDAL FIXTURE TYPE (FW) SHALL BE COMPLETE WITH BALLAST REFLECTORS AND T8 LAMPS. REFLECTORS SHALL BE SPECULAR ALZAK ALUMINUM 60 %-70 % REFLECTANCE FOR ENERGY AT 2537 ANGSTOMS WITH 50° CUTOFF ANGLE. PROVIDE END REFLECTORS FIXTURE SHALL BE SPECIALLY PROCESSED FOR RESISTANCE TO ACIDS OR ALKALINE FUMES & MOISTURE. FIXTURE LENGTH AND WATTAGE SHALL BE AS SHOWN ON DRAWINGS. SEE DETAIL "A"



DETAIL "A" TYPICAL

N.T.S

DATE	REVISIONS	BY	BULL. NO.	ISSUED FOR
7-6-10	ENVIRONMENTAL RMS CONTR(REV#8)			—
	1999-SPEC-008 & 4x10 0033 (MPR)			
4-9-68	GENERAL CONTRACT CONTR	K.E.	#6	—
12-2-68	GENERAL CONTRACT CONTR	K.E.	#7	—
10-17-68	GENERAL CONTRACT-CONST	K.E.	#8	—
12-1-67	ADDENDUM #1 TO ALL CONTRACTS-BIDS-SPEC	K.E.	ADD. #1	BIDS
10-25-67	ALL CONTRACTS-BIDS-ADD. #1	K.E.	ADD. #1	BIDS
9-26-67	ALL CONTRACTS BIDS-SPEC	K.E.	ADD. #1	BIDS

PROJECT DIRECTOR: C. E. MCGRETTY
DESIGNED BY: CVZ/PN
DRAWN BY: RLM/TDJ
CHECKED BY: CVZ/PN
APPROVED: SEPT. 25, 1967
INCHES ARE MEASURE

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL PROJECTS SERVICE, M.C.H. 239-152, RESEARCH FACILITIES NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

CONSULTING ENGINEERS: GRAY, SEIFERT & DOUGHERTY

DOCUMENT NO. 67-2-EL-14

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

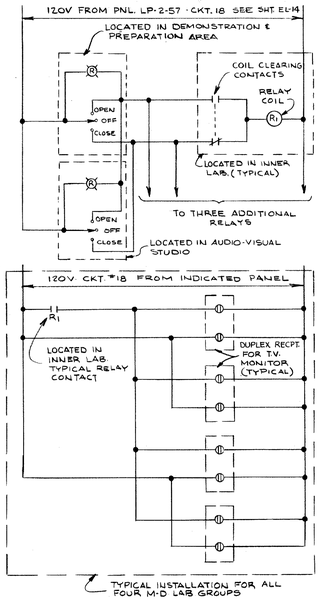
REVIEW: CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED: ACCOUNT NO. 100-1590-250-026

SECOND FLOOR - WEST HALF POWER LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-14

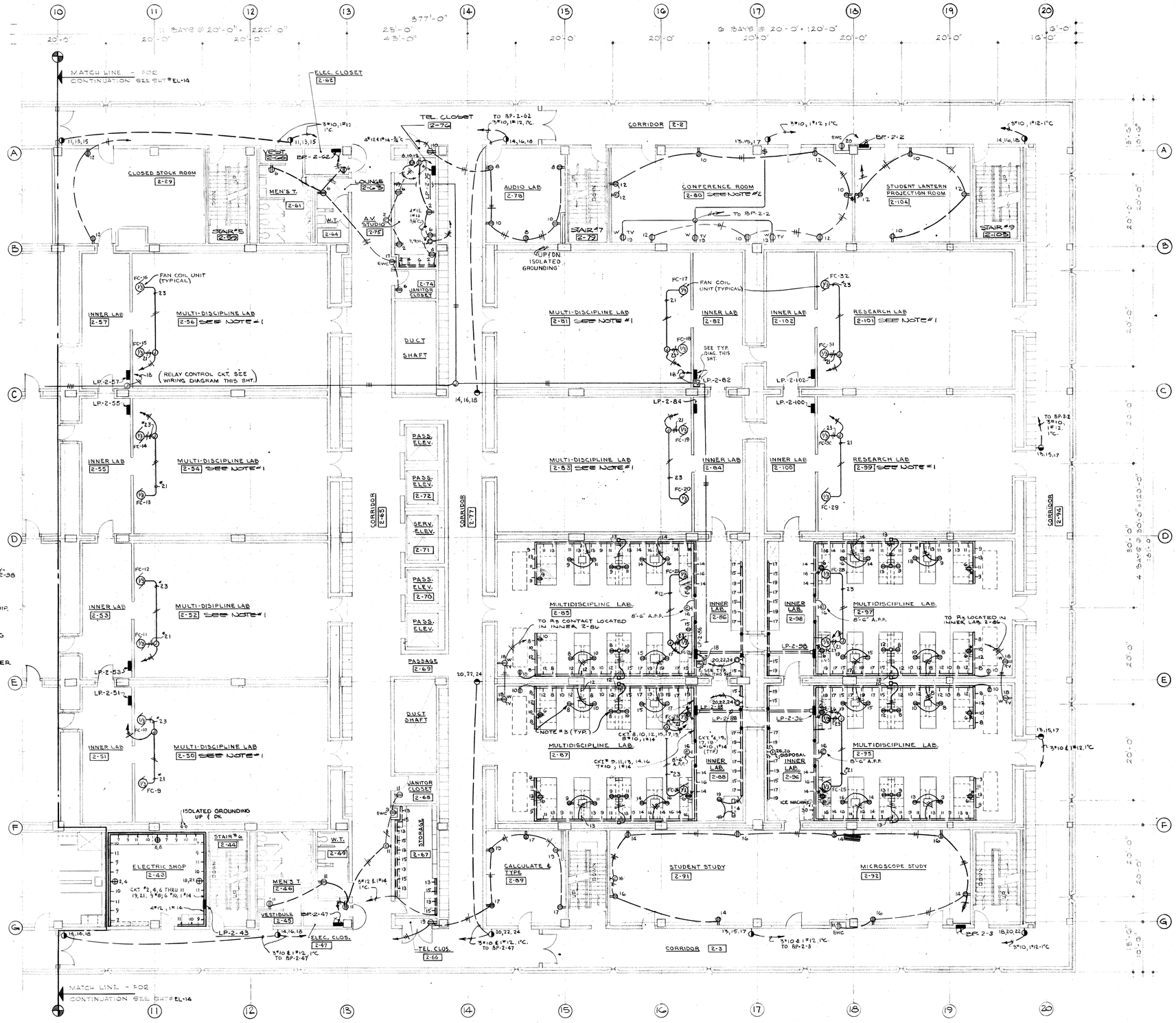
B. K. ELLIOTT CO. 301 790 1-67



TYPICAL MULTI-DISCIPLINE LAB. T.V. MONITOR CONTROL DIAGRAM FOR SECOND FLOOR (SIMILAR FOR THIRD FLOOR)

NOTES:

1. FOR ADDITIONAL PWR. WIRING REFER TO TYPICAL PWR. LAY-OUT OF M.D. & L.I., 2-85, 2-86, 2-87, 2-88, 2-95, 2-94, 2-97, 2-98 ON THIS SHEET.
2. REFER TO SHEET #EL-11 FOR TYPICAL LOCALLY SWITCHED T.V. MONITOR CONTROL DIAGRAM.
3. OUTLET BOX, DEVICES & PLATES FURNISHED BY LAB. EQUIP. CONTRACTOR. THIS CONTRACTOR SHALL RECEIVE, INSTALL & WIRE-UP COMPLETE.
4. ICE MACHINE IS LOCATED ONLY IN THESE FOLLOWING INNER LABS. 2-32; 2-38; 2-96; 2-102; 3-26; 3-32 3-97 & 3-103
5. DISPOSAL IS LOCATED ONLY IN THESE FOLLOWING INNER LABS. 2-32; 2-38; 2-96; 2-102; 3-26; 3-32; 3-97 & 3-103



SECOND FLOOR PLAN (EAST HALF)

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

FINISH FLOOR ELEVATION 168'-0"

4-9-68	GENERAL CONTRACT CONSTR.	4-9-68	#2	#3	
7-26-68	ALL CONTRACTS-BIDS-ADD.#1	7-26-68	K.E.	ADD.#2	
10-1-67	CONTRACTS RENDERED/ ALL BIDS-SPEC.	10-1-67	K.E.	ADD.#1	
10-3-67	ALL CONTRACTS-BIDS-ADD.#1	10-3-67	K.E.	ADD.#1	
9-25-67	ALL CONTRACTS BIDS-SPEC.	DATE	BY	REVISIONS	DATE

ISSUED FOR REVISIONS

PROJECT DIRECTOR: C. B. McGREW
IN CHARGE: K. E. SME
DESIGNED BY: C.V.Z./P.N.
DRAWN BY: R.L.W./E.W.C.
CHECKED BY: C.V.Z./P.N.
DATE: SEPT. 25, 1967
APPROVED BY:

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC. architects engineers MICHIGAN
DETROIT MICHIGAN

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 128-132 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE PR-152.

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐
FINAL RECORD ☐ ☐

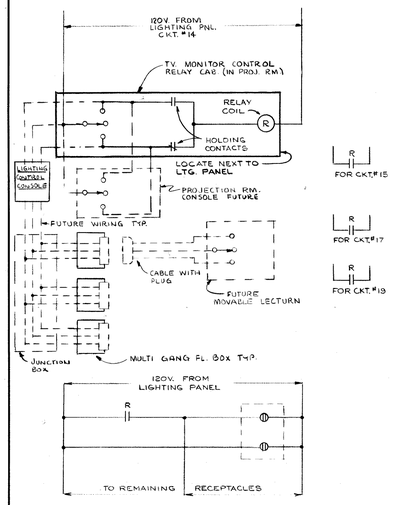
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: SECOND FLOOR - EAST HALF POWER LAYOUT

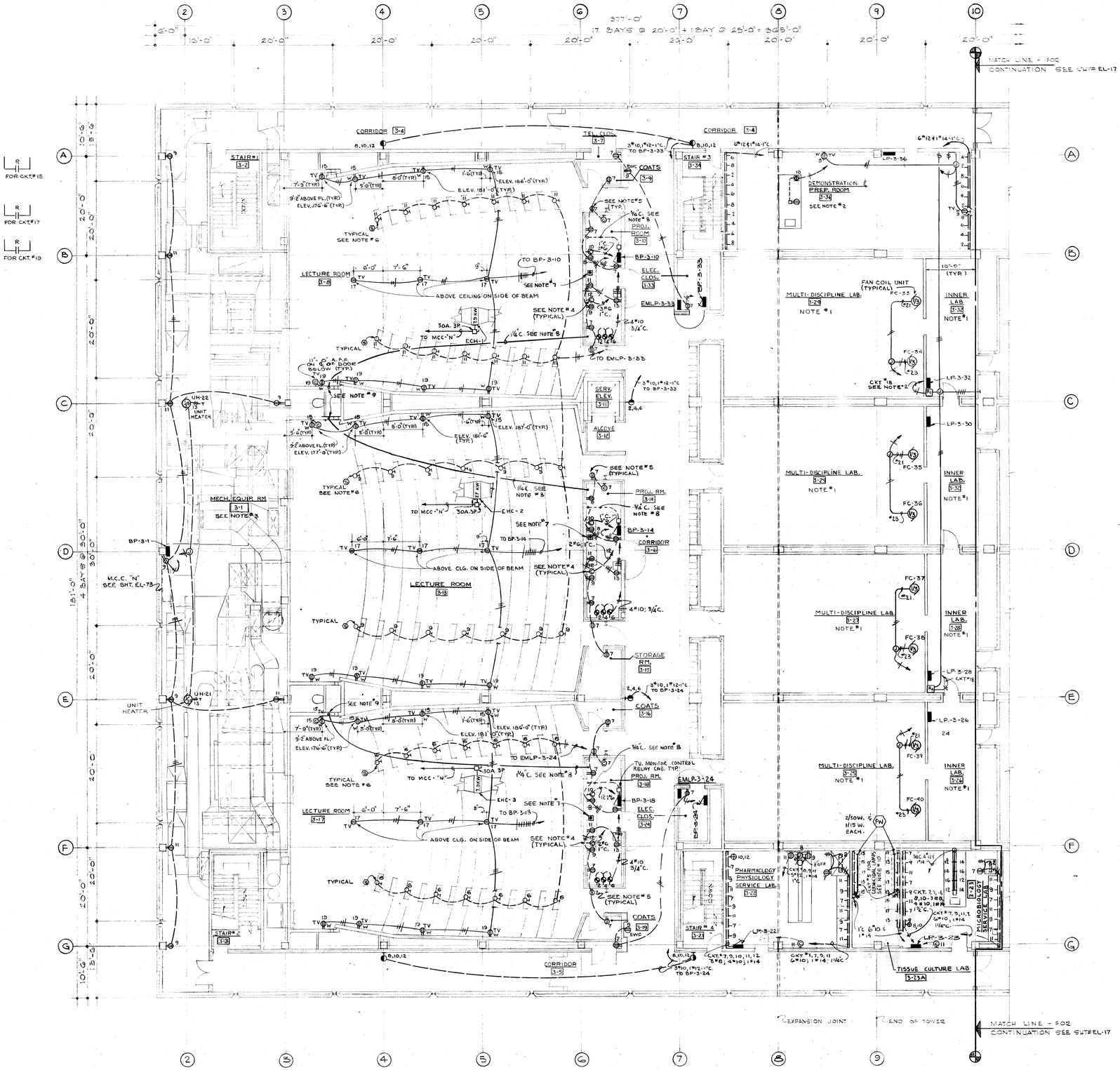
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-15

B. K. ELLIOTT CO. 301 790 1-67+



TYPICAL LECTURE HALL T.V. MONITOR CONTROL DIAGRAM
TYPICAL FOR RMS 3-8, 3-13 & 3-17



THIRD FLOOR PLAN (WEST HALF)
SCALE: 1/8"=1'-0"
FINISH FLOOR ELEVATION 183'-6"

GENERAL NOTES

1. FOR ADDITIONAL POWER WIRING REFER TO TYPICAL POWER LAYOUT OF M.D. E I.L. 2-85, 2-86, 2-87, 2-88, 2-35, 2-36, 2-37, 2-38 ON SHT. # EL-15.
2. REFER TO SHT. EL-15 FOR TYPICAL MULTI-DISCIPLINE LAB. T.V. MONITOR CONTROL DIAGRAM AND TO SHEET EL-11 FOR DEMONSTRATION AND PREPARATION ROOM LOCALLY SWITCHED T.V. MONITOR CONTROL DIAGRAM.
3. REFER TO SHT. EL-32 FOR ADDITIONAL POWER LAYOUT OF MECH. EQUIP. RM. # 3-1.
4. PROVIDE 120V. 50A. 3WIRE LOCKING TYPE RECEPTACLE.
5. ALL ELECT. DEVICE PLATES IN ALL LECTURE ROOMS SHALL HAVE U.S. SPEC. STATUARY OIL RUBBED BRONZE FINISH SIMILAR TO SIERRA NO. C 327 OR APPROVED EQUAL.
6. STAIR LIGHTING UNIT SHALL BE MOUNTED WITH FIXTURE CENTERED ON THE RISER INDICATED.
7. PUSH BUTTON STATION SHALL BE FURNISHED BY SCREEN MANUFACTURER, INSTALLED & WIRED BY ELECTRICAL CONTRACTOR.
8. TERMINATE CONDUIT IN PROJECTION RM. WIREWAY.
9. DN TO LIGHTING CONTROL CONSOLE AT 2ND. FL. SEE SHT. EL-37 (53)
10. SEE NOTE #5 ON SHEET EL-14

MKT. ISSUE	DESCRIPTION	DATE
4-1-71	GENERAL CONTRACT CONSTR.	4-1-71
4-9-69	GENERAL CONTRACT CONSTR.	4-9-69
12-1-68	GENERAL CONTRACT CONSTR.	12-1-68
10-17-68	GEN. CONT. CONSTR.	10-17-68
8-19-68	GEN. CONT. CONSTR.	8-19-68
MKT. ISSUED	GENERAL CONTRACT CONST.	4-28-68
12-1-67	CONTRACTS BIDS-ADD. #1	12-1-67
10-9-67	CONTRACTS BIDS-SPEC.	10-9-67
10-3-67	ALL CONTRACTS BIDS-ADD. #1	10-3-67
9-25-67	ALL CONTRACTS BIDS-SPEC.	9-25-67

REVISIONS	DATE	BY	REQ. NO.
ADD. #1	12-1-67	K.E.	# 16
ADD. #1	10-9-67	K.E.	# 15
	4-28-68	K.E.	# 6
	8-19-68	J.K.	# 4
	10-17-68	C.V.Z.	# 3A
	12-1-67	K.E.	# 3

ISSUED FOR: CONSTRUCTION

PROJECT DIRECTOR: PROF. C. B. MCGREW
DESIGNED BY: C.V.Z.
DRAWN BY: J.R.S./T.D.J.
CHECKED BY: C.V.Z.
APPROVED: [signature]
DIRECTOR - COPPER OF CAPITAL PROGRAMS: [signature]

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DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES SERVICE, MCH. 129-35 RESEARCH FACILITIES NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE FR-182

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BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

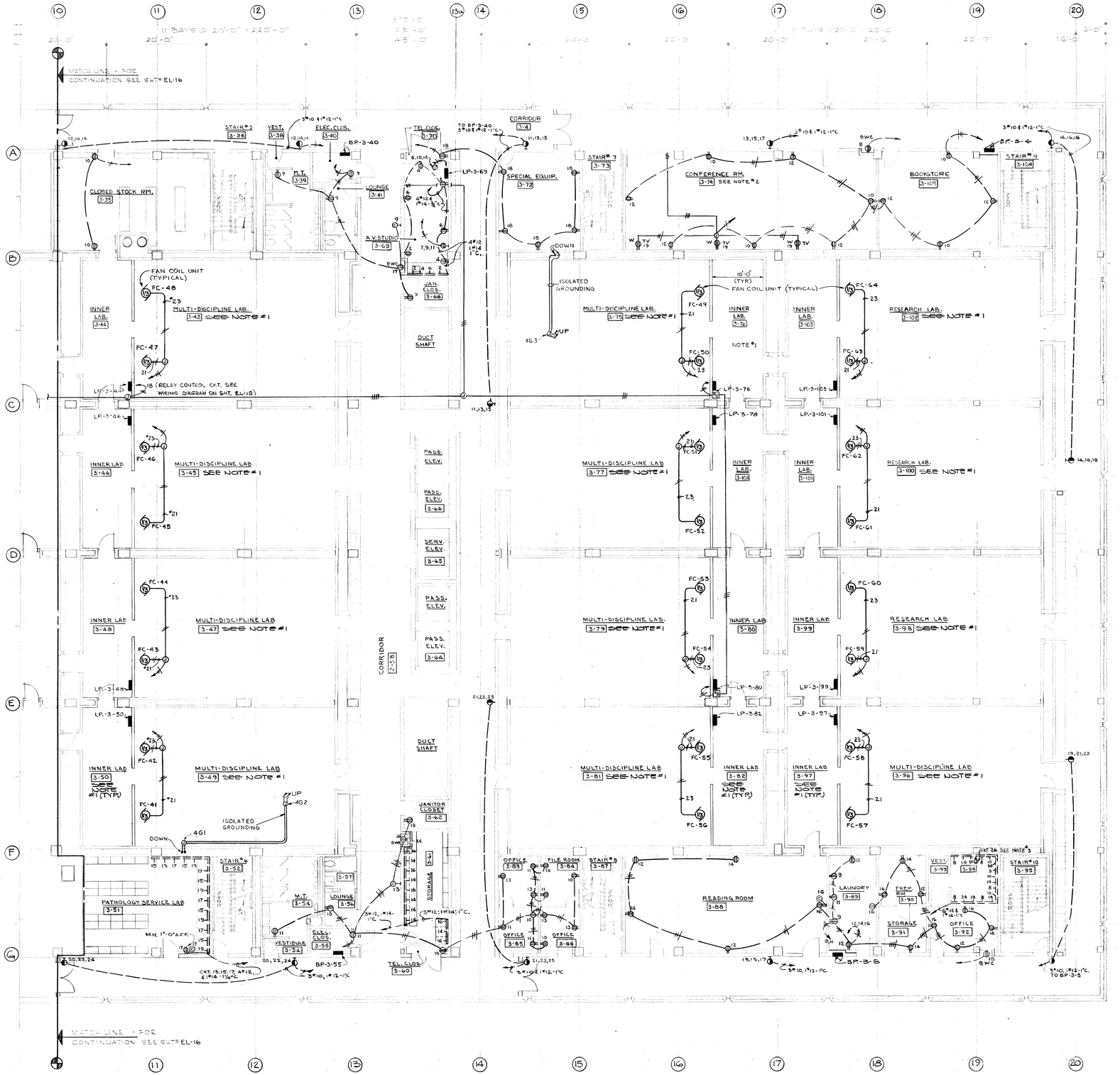
REVIEW: CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED ☐
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: THIRD FLOOR - WEST HALF POWER LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-16

B. K. ELLIOTT CO. 301 796 1-431•



GENERAL NOTES

1. REFER TO SH.# EL-15 FOR TYPICAL POWER LAYOUT OF MULTIDISCIPLINE, RESEARCH, & INNER LABS.
2. REFER TO SH.# 15 FOR TYPICAL MULTI-DISCIPLINE LAB. T.V. MONITOR CONTROL DIAGRAM. SEE SH.# EL-11 FOR TYPICAL LOCALLY SWITCHED T.V. MONITOR CONTROL DIAGRAM.
3. SEE NOTE #6 ON SHEET EL-10

THIRD FLOOR PLAN (EAST HALF)

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

FINISH FLOOR ELEVATION 183'-6"

NO.	REVISIONS	DATE	BY	APP. NO.
1	ADDENDUM #1	10-4-67	K.E.	ADD-1
2	ADDENDUM #2	10-16-67	K.E.	ADD-2
3	ADDENDUM #3	10-25-67	K.E.	ADD-3
4	CONTRACT 4 (PARTIAL)	11-6-67	K.E.	ADD-4
5	CONTRACTS (PARTIAL) & SPEC.	12-4-67	K.E.	ADD-5
6	CONTRACTS (PARTIAL) & SPEC.	12-18-67	K.E.	ADD-6

ISSUED FOR: GENERAL CONTRACT CONSTR. 4-9-68; NOT ISSUED SEPARATELY; CONTRACT 1 - CONSTR. 6-28-68; CONTRACT 4 (PARTIAL) 11-26-68; LABORATORY FURNITURE & EQUIP. 10-4-67; ALL CONTRACTS BIDS-SPEC. 10-4-67; ALL CONTRACTS BIDS-SPEC. 9-23-67

PROJECT DIRECTOR C. B. McGREW — IN CHARGE K. ESME — DESIGNED BY C.V.Z. / P.N. — DRAWN BY E.W.C. / J.R.S. — CHECKED BY C.V.Z. / P.N. — DATE SEPT. 25, 1967 — APPROVED

DIRECTOR - OFFICE OF CAPITAL PROGRAMS — CHIEF, BUREAU OF FACILITIES

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED — ACCOUNT NO. 100-1590-250-026

REVIEW: CONSTRUCTION ☐ FINAL RECORD ☐

SHEET TITLE: THIRD FLOOR - EAST HALF POWER LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-17

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
MICHIGAN

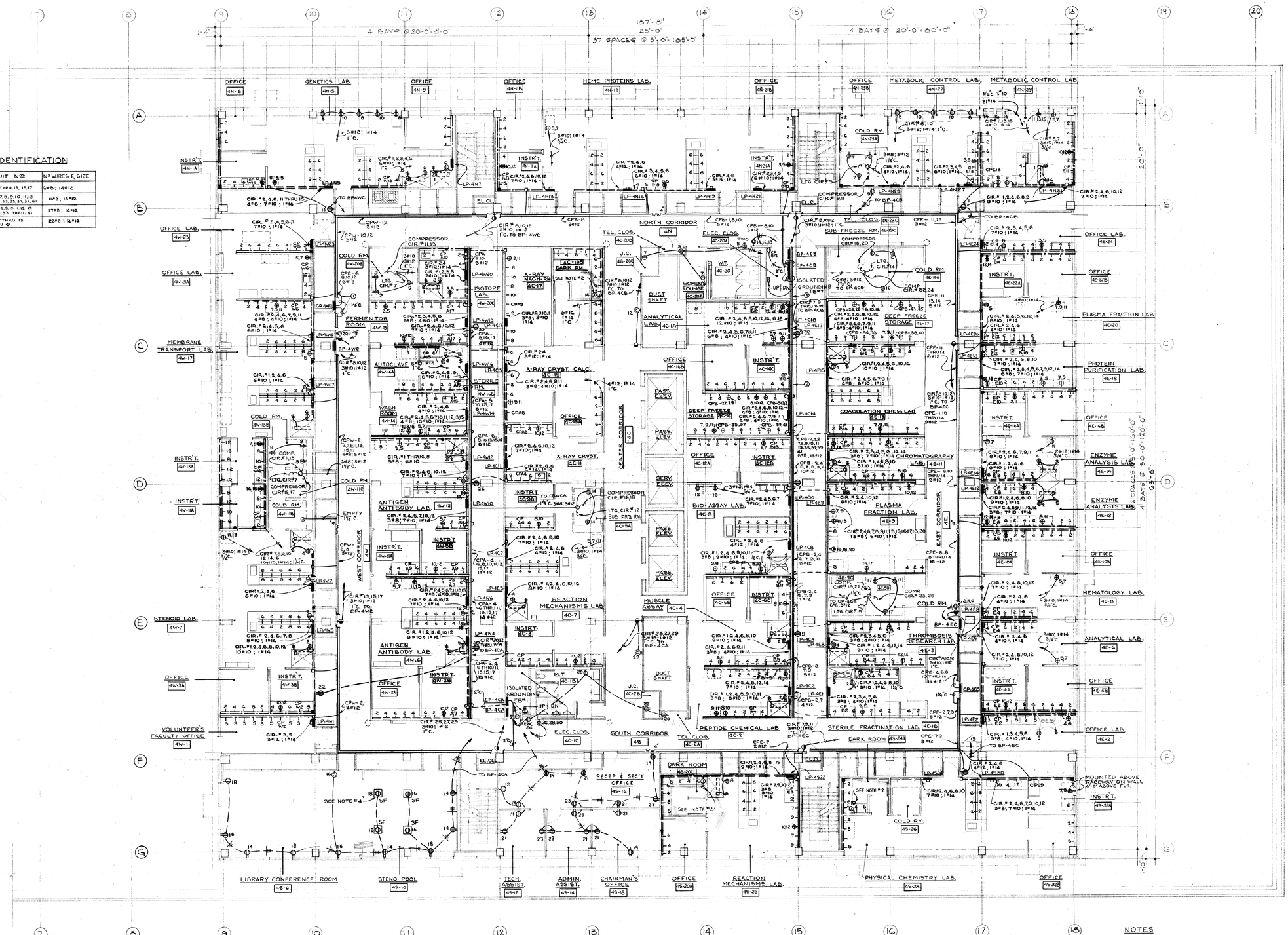
DIVISION OF HOSPITAL AND MEDICAL FACILITIES - PUBLIC HEALTH SERVICE MICH. 128-132 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE PA-194

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

B. K. ELLIOTT CO. 301 750 1-67+

CIRCUIT IDENTIFICATION

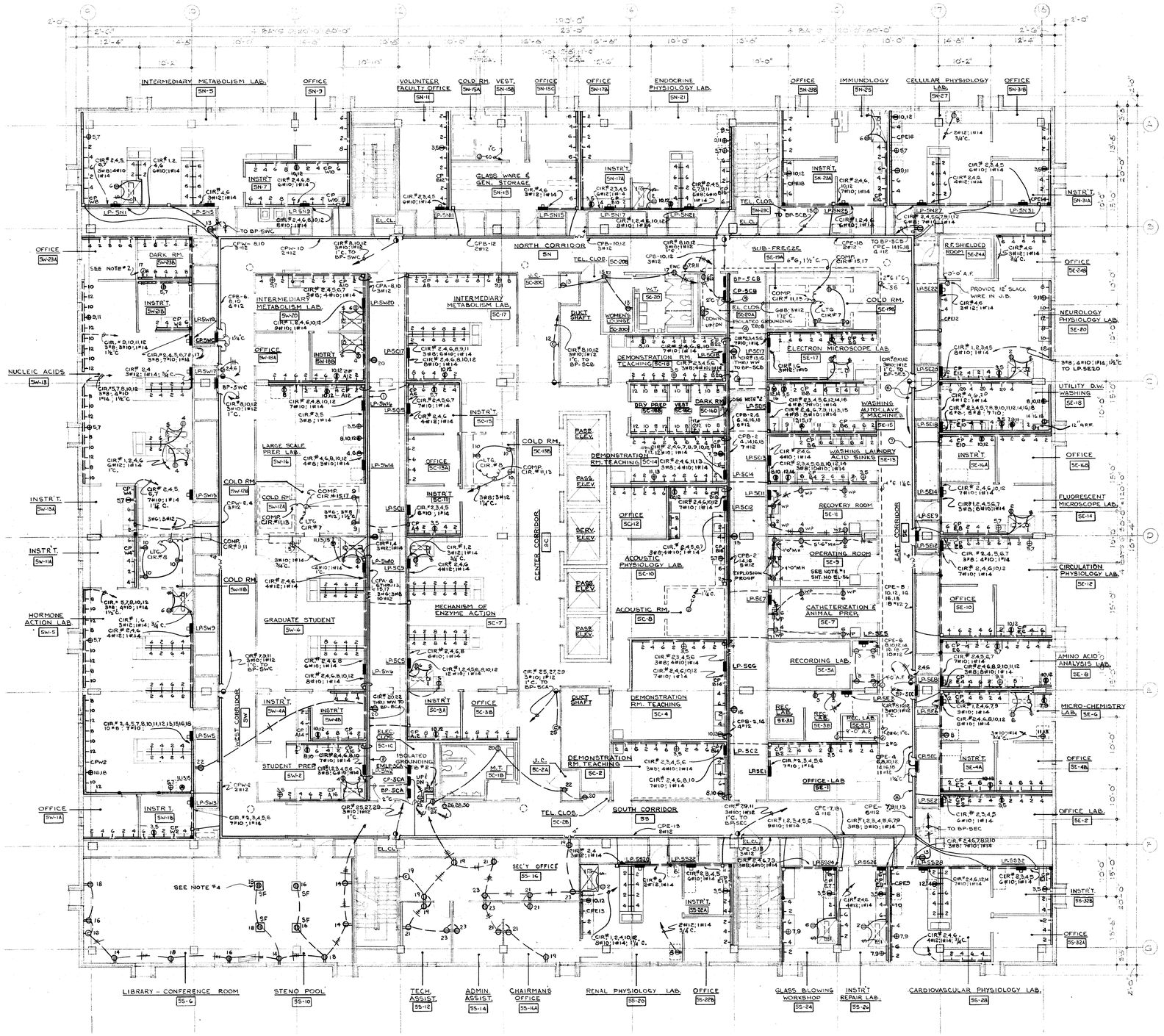
SYM.	PANEL	CIRCUIT NOS	NR WIRES & SIZE
①	CPW	2, 4, 6 THRU 18, 15, 17	GWB; 14#12
②	CPB	2, 4, 6, 7, 9, 9-10, 11, 13, 27, 29, 31, 33, 35, 37, 39, 41	11#8, 13#12
③	CPB	2, 4, 6, 7, 8, 9, 10, 11, 12, 15, 27, 29, 31, 33 THRU 61	17#8, 16#12
④	CPB	2, 4, 6, 7 THRU 19, 26 THRU 61	22#8, 16#12


4 BAYS @ 20'-0" = 80'-0"
37 SPACES @ 5'-0" = 185'-0"
4 BAYS @ 20'-0" = 80'-0"
OFFICE 4N-1B
GENETICS LAB. 4N-5
OFFICE 4N-9
OFFICE 4N-11B
HEME PROTEINS LAB. 4N-15
OFFICE 4N-21B
OFFICE 4N-23B
METABOLIC CONTROL LAB. 4N-27
METABOLIC CONTROL LAB. 4N-29
INSTR. 4N-1A
OFFICE LAB. 4W-2S
OFFICE LAB. 4W-21A
MEMBRANE TRANSPORT LAB. 4W-17
INSTR. 4W-13A
INSTR. 4W-11A
STEROID LAB. 4W-7
OFFICE 4W-3A
VOLUNTEER'S FACULTY OFFICE 4W-1
NORTH CORRIDOR 4N
WEST CORRIDOR 4W
CENTER CORRIDOR 4C
EAST CORRIDOR 4E
SOUTH CORRIDOR 4S
FERMENTOR ROOM 4W-19
AUTOCLAVE 4W-16A
WASH ROOM 4W-14
STERILE RM. 4W-14B
COLD RM. 4W-13B
COLD RM. 4W-11C
EMPTY 4W-9
ANTIGEN ANTIBODY LAB. 4W-12
ANTIGEN ANTIBODY LAB. 4W-16
INSTR. 4W-8B
INSTR. 4W-3B
INSTR. 4W-2B
OFFICE 4W-2A
COLD RM. 4W-20B
ISOTOPE LAB. 4W-20C
X-RAY MACH. RM. 4C-17
4C-13B DARK RM.
SEE NOTE #2
X-RAY CRYST. CALC. 4C-15
X-RAY CRYST. 4C-11
INSTR. 4C-9B
REACTION MECHANISMS LAB. 4C-7
INSTR. 4C-3
M.T. 4C-16
J.C. 4C-28
ELEC. CLOS. 4C-1C
TEL. CLOS. 4C-20B
U.C. 4C-20C
WOMEN'S LOUNGE 4C-20D
WT. 4C-20
DUCT SHAFT
ANALYTICAL LAB. 4C-18
OFFICE 4C-14B
PASS. ELEV.
SERV. ELEV.
DEEP FREEZE STORAGE 4C-14
OFFICE 4C-12A
INSTR. 4C-12B
BIO-ASSAY LAB. 4C-8
OFFICE 4C-6B
INSTR. 4C-6A
MUSCLE ASSAY 4C-4
OFFICE 4C-2B
PEPTIDE CHEMICAL LAB 4C-2
ELEC. CLOS. 4C-2C
TEL. CLOS. 4C-2A
ISOLATED GROUNDING TB#1
SUB-FREEZE RM. 4C-19C
COLD RM. 4C-19B
DEEP FREEZE STORAGE 4E-17
COAGULATION CHEM. LAB 4E-15
INSTR. 4E-11
PLASMA FRACTION LAB. 4E-9
INSTR. 4E-9A
THROMBOSIS RESEARCH LAB. 4E-3
INSTR. 4E-3A
STERILE FRACTINATION LAB. 4E-1B
DARK ROOM 4S-30C
DARK ROOM 4S-24B
COLD RM. 4S-26
PHYSICAL CHEMISTRY LAB. 4S-28
OFFICE 4S-32B
OFFICE LAB. 4E-24
OFFICE 4E-22B
PLASMA FRACTION LAB. 4E-20
PROTEIN PURIFICATION LAB. 4E-18
INSTR. 4E-16A
OFFICE 4E-14B
ENZYME ANALYSIS LAB. 4E-14
ENZYME ANALYSIS LAB. 4E-12
INSTR. 4E-10A
OFFICE 4E-10B
HEMATOLOGY LAB. 4E-8
ANALYTICAL LAB. 4E-6
INSTR. 4E-4A
OFFICE 4E-4B
OFFICE LAB. 4E-2
LIBRARY CONFERENCE ROOM 4S-6
STENO POOL 4S-10
TECH. ASSIST. 4S-12
ADMIN. ASSIST. 4S-14
CHAIRMAN'S OFFICE 4S-18
OFFICE 4S-20A
REACTION MECHANISMS LAB. 4S-22
OFFICE 4S-32B
RECEP. & SEC'Y OFFICE 4S-16
MOUNTED ABOVE RACEWAY ON WALL 4'-0" ABOVE FLR.
INSTR. 4S-32A
TO BP-4WC
TO BP-4CB
TO BP-4CA
TO BP-4EC
TO BP-4WE
TO BP-4WD
TO BP-4WA
TO BP-4WB
TO BP-4EA
TO BP-4ED
TO BP-4EB
TO BP-4EA
TO BP-4CC
TO BP-4CD
TO BP-4CE
TO BP-4CA
TO BP-4EC
TO BP-4EA
TO BP-4CA
TO BP-4EC
TO BP-4CB
TO BP-4CC

B. K. ELLIOTT CO. 301 750 1-67*

CIRCUIT IDENTIFICATION

SYM.	PANEL	CIRCUIT NOS	NO. WIRES & SIZE
①	CPA	6,8,10,12	6#12
②	CPA	2,4,6 THRU 17	3#6; 3#8; 16#12
③	CPB	2,4,6,8,,16,18,20	12#12
④	CPB	2,4,6,8,,14,16,18,20,22	13 #12
⑤	CPB	2,4,6,7,8,,9,,11,13 THRU 18,20,22	6#8; 16#12
⑥	CPE	12,,16,,18	6#12
⑦	CPE	10,,12,,14,,16,,18	7#12
⑧	CPE	2,,7,,9,,11,,13	8#12



FIFTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTES

1. PROVIDE ADEQUATE LIGHT SEAL FOR WIREWAY OPENING THRU DARK ROOM WALLS.
2. SEE NOTE #6 ON SHEET EL-10
3. FOR ADDITIONAL POWER WIRING SEE SH # EL-42
4. VERIFY EXACT LOCATION OF FLOOR BOX WITH OWNER PRIOR TO INSTALLATION.

NO.	DATE	REVISIONS	BY	BULL NO.
1	7-6-70	ENVIRONMENTAL BAS UNITS (REVISED)	—	—
2	4-9-68	SUPS. SPEC. -108*40-01003 (NEW)	—	49
3	1-26-68	ALL CONTRACTS-SUPS.-ADD'M #6	K.E.	ADD'M 6
4	12-1-67	GENERAL CONTRACT CONSTR. (REVISED)	K.E.	ADDM'T
5	10-3-67	ALL CONTRACTS-SUPS.-ADD'M #5	K.E.	ADDM'T
6	9-25-67	ALL CONTRACTS BIDS-SPEC.		

PROJECT DIRECTION C. B. INGRERO
IN CHARGE K. ESHE
DESIGNED BY PN.
DRAWN BY R.L.M./S.K.
CHECKED BY V.L.C.
DATE SEPT. 25, 1967
APPROVED
CORPORATION OFFICE OF CAPITAL PROGRAMS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐ ISSUED
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: FIFTH FLOOR POWER LAYOUT
ARCHITECTS JOB NO. 66-121
SHEET NO. EL-19

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE: MICH.-129-1.5 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE FR-1.5

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

RISER DIAGRAM LEGEND

1-3Z / T / A	SECONDARY DISTRIBUTION TRANSFORMER - FOR SIZE AND RATING SEE SCHEDULE ON THIS SHEET. NUMERALS INDICATE ROOM NUMBER WHERE TRANSFORMER IS LOCATED.
L1	CIRCUIT BREAKER - FOR A, SIZE AND RATING - SEE SCHEDULE ON THIS SHEET.
J3	SWITCHING CIRCUIT BREAKER - FOR SIZE AND RATING SEE SCHEDULE ON THIS SHEET.
(6)	INDICATES CONDUIT AND WIRE SIZE - SEE SCHEDULE ON THIS SHEET
	JUNCTION BOX - SIZE AS REQUIRED
	CONDUIT EXPANSION FITTING
	WIREWAY - SIZE AS LISTED ON PLANS OR ELEVATIONS
	BUS DUCT W/ TAP BOX
	LABORATORY OR BUILDING PANEL, 120/208V, 3Φ, 4W. SINGLE OR DOUBLE PANEL AS SHOWN
	DISTRIBUTION PANEL, 480V, 3Φ, 3W.
	DISCONNECT SWITCH - FUSED
	DISCONNECT SWITCH - UNFUSED
	COMBINATION MOTOR STARTER W/ CIRCUIT BREAKER

WIRING SCHEDULE

(1)	2½"C., 3#3/0, & 1#6 GROUND
(2)	2"C., 3#1, & 1#6 GRD.
(3)	1½"C., 3#4, & 1#8 GRD.
(4)	1¼"C., 3#6, & 1#10 GRD.
(5)	1"C., 2#8
(6)	4"C., 4#500MCM., & 1#4 GRD.
(7)	4"C., 4#350MCM., & 1#4 GRD.
(8)	2½"C. 4#3/0, & 1#6 GRD.
(9)	2"C. 4#1, & 1#6 GRD.
(10)	1"C., 2#6
(11)	3"C. 4#4/0, & 1#4 GRD.
(12)	1½"C. 4#4, & 1#8 GRD.
(13)	5"C. 4#250MCM., & 1#4 GRD.
(14)	1¼"C., 2#2, & 1#6 GRD.
(15)	3½"C., 3#500MCM., & 1#4 GRD.
(16)	2-3"C., 3-250MCM & 1#4 GRD. IN EACH COND.
(17)	2½"C., 3#4/0, & 1#4 GRD.
(18)	3/4"C., 3#12, & 1#14 GRD.
(19)	3/4"C., 4#10, & 1#14 GRD.
(20)	

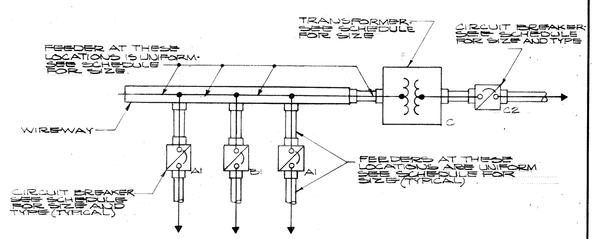
NOTE:
ALUMINUM CABLES WITH EQUIVALENT AMPACITIES MAY BE USED IN LIEU OF COPPER. CONDUITS FOR ALUMINUM CABLES SHALL BE SIZED AS PER N.E.C.

CIRCUIT BREAKER SCHEDULE

CURRENT RATING						VOLTAGE & INTERRUPTING RATING	
A	20A.	G	125A.	N	300A.	1	208 VOLTS, MIN. 7500 AMPS, A.I.C.
B	30A.	H	150A.	P	350A.	2	480 VOLTS, MIN. 14,000 AMPS, A.I.C.
C	40A.	J	175A.	Q	400A.	3	480 VOLTS, MIN. 25,000 AMPS, A.I.C.
D	50A.	K	200A.	R	500A.		
E	70A.	L	225A.				
F	100A.	M	250A.				

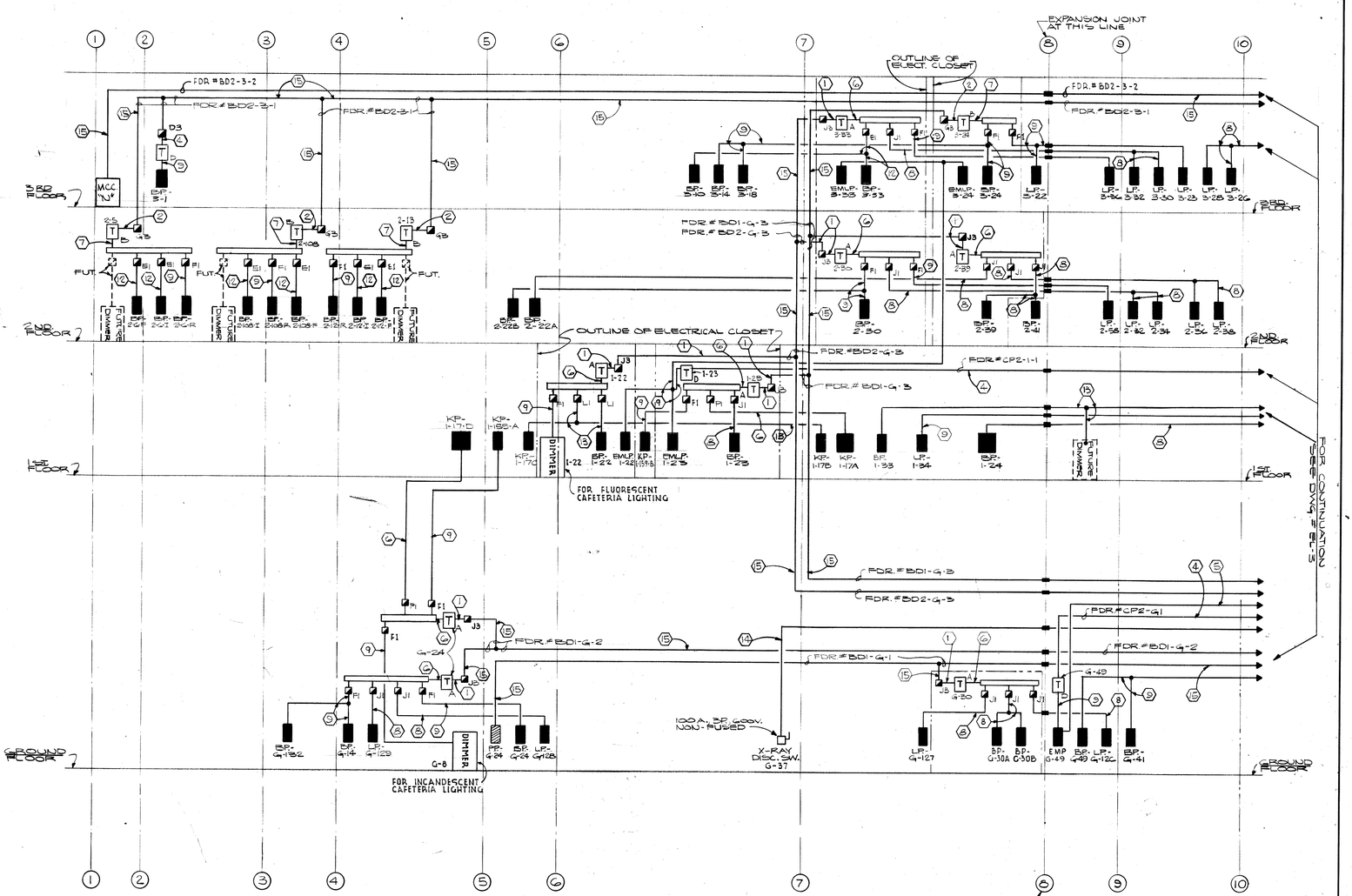
TRANSFORMER SCHEDULE

A	112.5 KVA, 480V-120/208V, 3Φ, 4W.
B	75.0 KVA, 480V-120/208V, 3Φ, 4W.
C	45.0 KVA, 480V-120/208V, 3Φ, 4W.
D	30.0 KVA, 480V-120/208V, 3Φ, 4W.
E	5.0 KVA, 208V-120V, 1Φ, 2W.



TYPICAL WIRING DIAGRAM FOR POWER DISTRIBUTION CENTER

NOTE: FOR EXACT LOCATION OF EQUIPMENT SEE PLANS AND ELEVATIONS.



POWER & LIGHTING RISER DIAGRAM - PART I
N.T.S.

66-121 | EL-2

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐
FINAL RECORD ☐ ACCOUNT NO. 100-1590-250-026

SHEET TITLE: POWER & LIGHTING RISER DIAGRAM

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
DETROIT
architects engineers
MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: FR-152

PROJECT DIRECTOR	C. B. McGREW
IN CHARGE	K. ESSME
DESIGNED BY	E.L.S.
DRAWN BY	R.J. CAMSTOCK
CHECKED BY	K.E.
DATE	SEP. 25, 1967
APPROVED	
DIRECTOR - OFFICE OF CAPITAL PROGRAMS	

DATE	ISSUED FOR	REVISIONS	DATE	ISSUED FOR	REVISIONS
12-1-67	GENERAL CONTRACT CONSTR.	ADD'L 6			
1-26-68	ALL CONTRACTS - BIDS - ADD'S	1-26-68 K.E.	ADD'S		
12-6-67	PLUMBING WORK CONTRACT (REVISED) BIDS - SPEC.	12-6-67			
10-20-67	ALL CONTRACTS - BIDS - ADD'S	10-20-67 K.E.	ADD'S		
10-9-67	ALL CONTRACTS - BIDS - ADD #1	10-9-67 K.E.	ADD #1		
9-25-67	ALL CONTRACTS - BIDS - SPECS.	DATE BY	BULL NO.		

B. K. ELLIOTT CO. 301 750 1-67+

CIRCUIT IDENTIFICATION

SYM.	PANEL	CIRCUIT NOS	NO WIRES & SIZE
①	CPA	10,12,14,16,18,20,22	10 #12
②	CPA	10,12,14,16,18,20,22,24	11 #12
③	CPA	4&8,10,12,14,16,18,20,22, 24,26,28	18 #12
④	CPA	2,4,6,8,10,12,14,16,18,20 or 2,4,24,26	19 #12
⑤	CPB	2,4,6,7,8,9,11,13	12 #12
⑥	CPB	2,4,6,7,8,9,10,11,13,15	14 #12
⑦	CPB	2, 4, 6 THRU 13, 15	15 #12
⑧	CPB	14	2 #12
⑨	CPA	2, 4, 6, 8, 10, 12, 14, 16, 18 20, 22, 24, 26, 28	19 #12

NOTES

1. PROVIDE ADEQUATE LT. SEAL FOR WIRE-WAY OPENING THRU DARK ROOM WALLS.
2. SEE NOTE "6 ON SHEET EL-10
3. REFER TO SHT." EL-43 FOR ADDITIONAL POWER WIRING.
4. VERIFY EXACT LOCATION OF FLOOR BOX WITH OWNER PRIOR TO INSTALLATION.

SIXTH FLOOR PLAN

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

REVISIONS	DATE	BAL. NO.
ISSUED FOR	9-25-67	
REVISIONS	10-3-67	ADD #1
REVISIONS	10-26-67	ADD #2
REVISIONS	12-7-67	ADD #3
REVISIONS	4-9-68	ADD #4
REVISIONS	6-5-68	ADD #5

PROJECT DIRECTOR C. B. McGREW
IN CHARGE K. ESME
DESIGNED BY PN.
DRAWN BY PN, MH, KE, SK.
CHECKED BY P.N./K.E.
APPROVED BY
DATE SEPT. 25, 1967

CONSULTANTS: STRUCTURAL: SYMONDS, MIDDLEBROOK & SEIM; MECHANICAL: CONSPEC; ELECTRICAL: CONTRACT CONSTR.; LABORATORY FURNITURE & EQUIP.: LABORATORY PLANNING & DESIGN; SOILS: CONTRACTORS BUDGET GROUP; ACOUSTICS: LEWIS & ZELLNER; CONTRACTS: BIDS-AGUF & ALL CONTRACTS

DRAWING ISSUED FOR: 9-25-67 ALL CONTRACTS; 10-3-67 ADDENDUM #1; 10-26-67 ADDENDUM #2; 12-7-67 ADDENDUM #3; 4-9-68 ADDENDUM #4; 6-5-68 ADDENDUM #5

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 123-152 RESEARCH FACILITIES AND NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE, PH-152

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD

ACCOUNT NO. 100-1590-250-035

SHEET TITLE: SIXTH FLOOR POWER LAYOUT

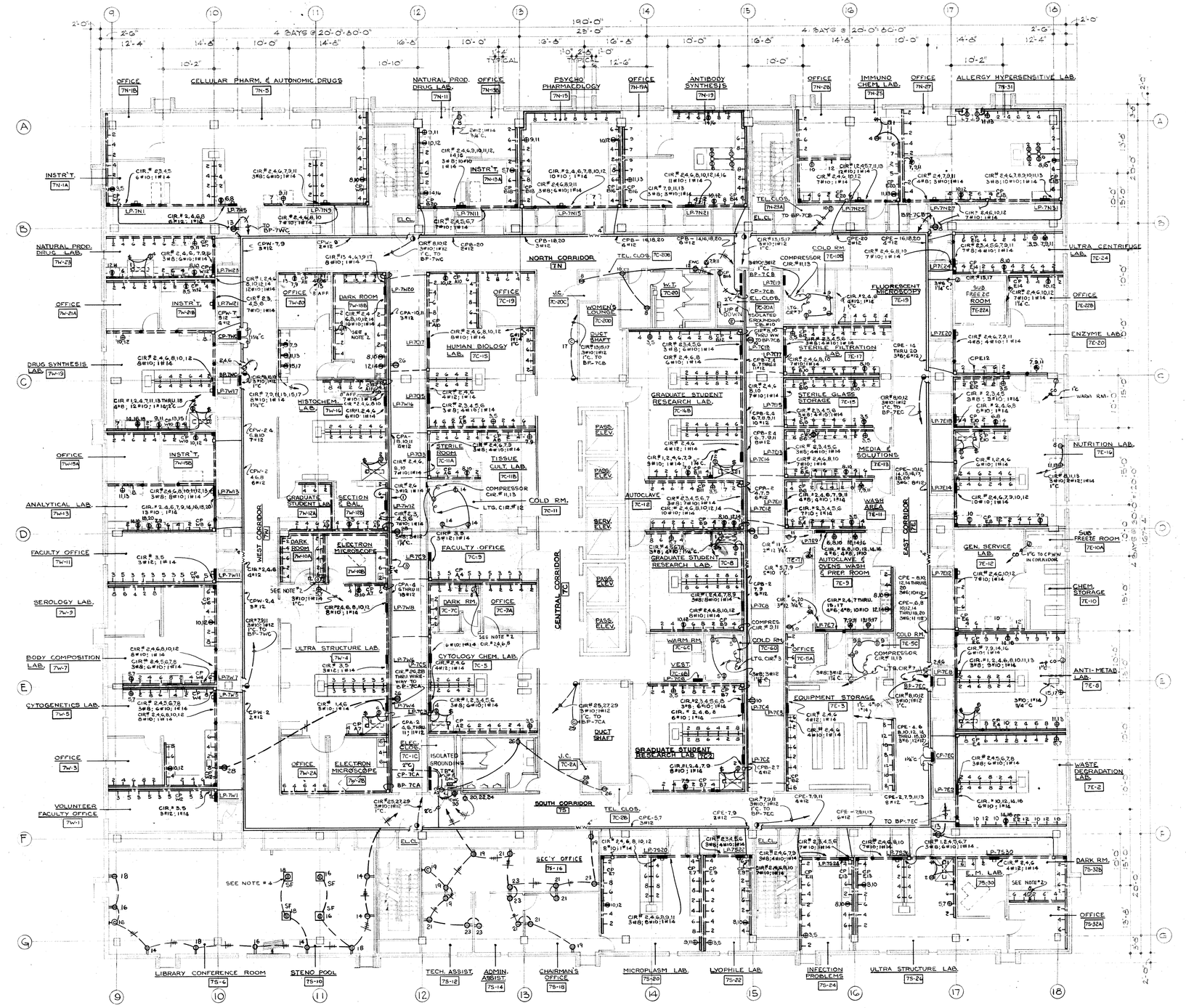
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-20

B. K. ELLIOTT CO. 301 750 1-67*

CIRCUIT IDENTIFICATION

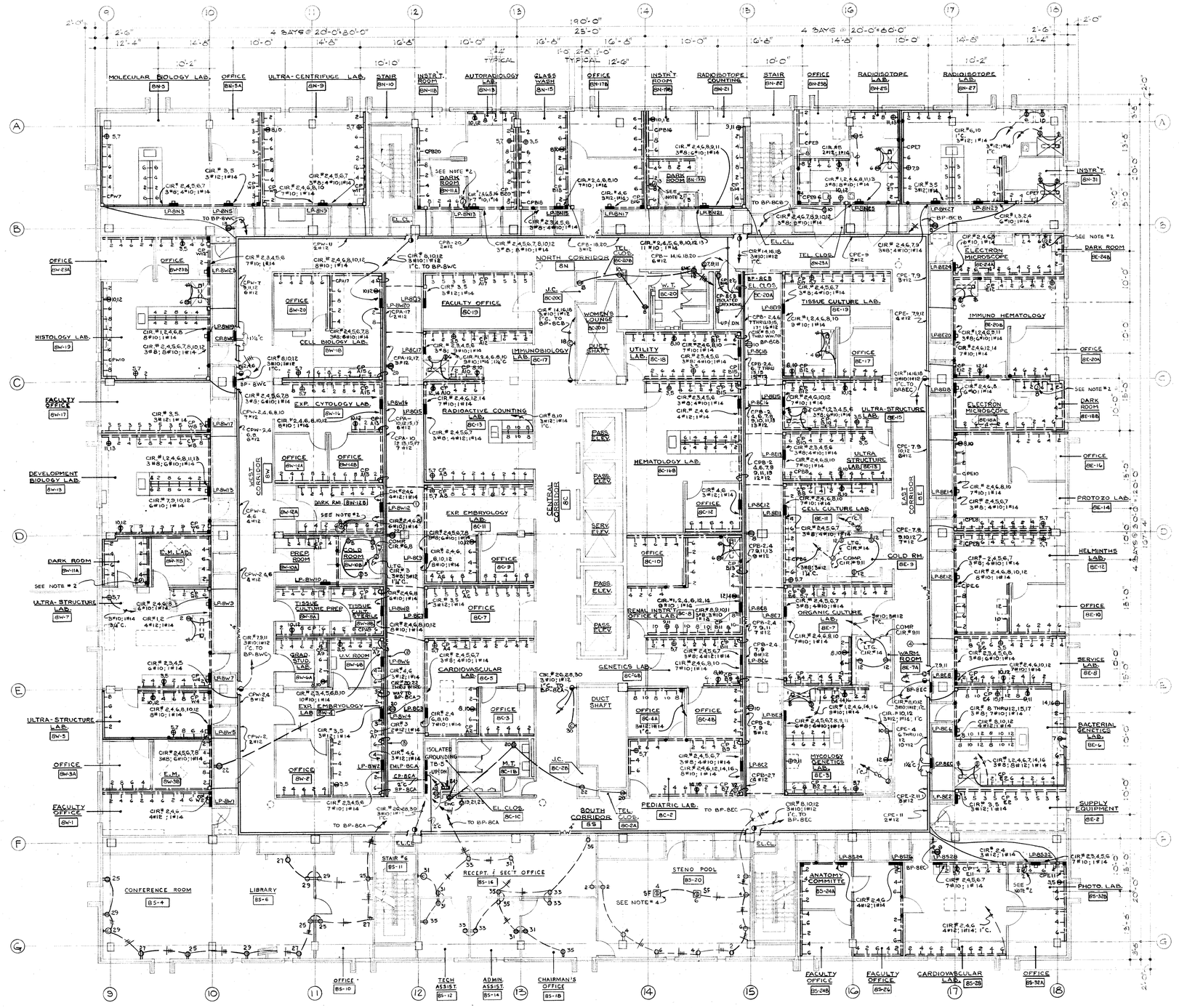
SYM.	PANEL	CIRCUIT Nos	Nº WIRES & SIZE
①	CPA	6,8,10,11	6#12
②	CPB	2,4,6,7 THRU 12	12#12
③	CPA	6,8,9,10,11	7#12


4 BAYS @ 20'-0" = 80'-0"
190'-0"
25'-0"
OFFICE 7N-1B
CELLULAR PHARM. & AUTONOMIC DRUGS 7N-5
NATURAL PROD. DRUG LAB. 7N-11
OFFICE 7N-19A
PSYCHO PHARMACOLOGY 7N-15
OFFICE 7N-19A
ANTIBODY SYNTHESIS 7N-19
OFFICE 7N-26
IMMUNO CHEM. LAB. 7N-25
OFFICE 7N-27
ALLERGY HYPERSENSITIVE LAB. 7N-31
INSTR'T. 7N-1A
INSTR'T. 7N-13A
NATURAL PROD. DRUG LAB. 7N-23
OFFICE 7N-21A
INSTR'T. 7N-21B
DRUG SYNTHESIS LAB. 7N-19
OFFICE 7N-15A
INSTR'T. 7N-15B
ANALYTICAL LAB. 7N-13
FACULTY OFFICE 7N-11
SEROLOGY LAB. 7N-9
BODY COMPOSITION LAB. 7N-7
CYTOGENETICS LAB. 7N-5
OFFICE 7N-3
VOLUNTEER FACULTY OFFICE 7N-1
NORTH CORRIDOR 7N
WEST CORRIDOR 7W
CENTRAL CORRIDOR 7C
EAST CORRIDOR 7E
SOUTH CORRIDOR 7S
OFFICE 7W-20
DARK ROOM 7W-18B
HUMAN BIOLOGY LAB. 7C-15
OFFICE 7C-19
HISTOCHEM. LAB. 7W-16
GRADUATE STUDENT LAB. 7W-12A
SECTION 2 LAB. 7W-12B
DARK ROOM 7W-10A
ELECTRON MICROSCOPE 7W-10B
FACULTY OFFICE 7C-9
DARK RM. 7C-7C
OFFICE 7C-7A
ULTRA STRUCTURE LAB. 7W-4
CYTOLOGY CHEM. LAB. 7C-5
OFFICE 7W-2A
ELECTRON MICROSCOPE 7W-2B
ISOLATED GROUNDING
GRADUATE STUDENT RESEARCH LAB. 7C-8
GRADUATE STUDENT RESEARCH LAB. 7C-14B
STERILE ROOM 7C-11A
TISSUE CULT. LAB. 7C-11B
COMPRESSOR CIR.# 11,15
COLD RM. 7C-11
LTG. CIR.# 16
AUTOCLAVE 7C-18
SERV. ELEV.
PASS. ELEV.
PASS. ELEV.
JC 7C-20C
WOMEN'S LOUNGE 7C-20D
W.T. 7C-20
DUCT SHAFT
TEL. CLOS. 7C-20A
TEL. CLOS. 7C-20B
COMPRESSOR CIR.# 11,15
COLD RM. 7C-18C
FLUORESCENT MICROSCOPY 7E-19
STERILE FILTRATION LAB. 7E-17
STERILE GLASS STORAGE 7E-15
MEDIA & SOLUTIONS 7E-13
WASH AREA 7E-11
AUTOCLAVE & OVENS WASH & PREP. ROOM 7E-5
COLD RM. 7E-5C
OFFICE 7E-5A
EQUIPMENT STORAGE 7E-3
ULTRA CENTRIFUGE LAB. 7E-24
SUB FREEZE ROOM 7E-22A
OFFICE 7E-22B
ENZYME LAB. 7E-20
NUTRITION LAB. 7E-16
WASH RM.
SUB FREEZE ROOM 7E-10A
CHEM. STORAGE 7E-10
ANTI-METAB. LAB. 7E-8
WASTE DEGRADATION LAB. 7E-2
DARK RM. 7S-32B
OFFICE 7S-32A
GEN. SERVICE LAB. 7E-12
E.M. LAB. 7S-30
SEC'Y OFFICE 7S-16
LIBRARY CONFERENCE ROOM 7S-6
STENO POOL 7S-10
TECH. ASSIST. 7S-12
ADMIN. ASSIST. 7S-14
CHAIRMAN'S OFFICE 7S-18
MICROPLASM LAB. 7S-20
LYOPHILE LAB. 7S-22
INFECTION PROBLEMS 7S-24
ULTRA STRUCTURE LAB. 7S-24
TO BP-7CA
TO BP-7CB
TO BP-7CC
TO BP-7CD
TO BP-7CE
TO BP-7CF
TO BP-7NW
TO BP-7NC
TO BP-7NE
TO BP-7NS
TO BP-7NN

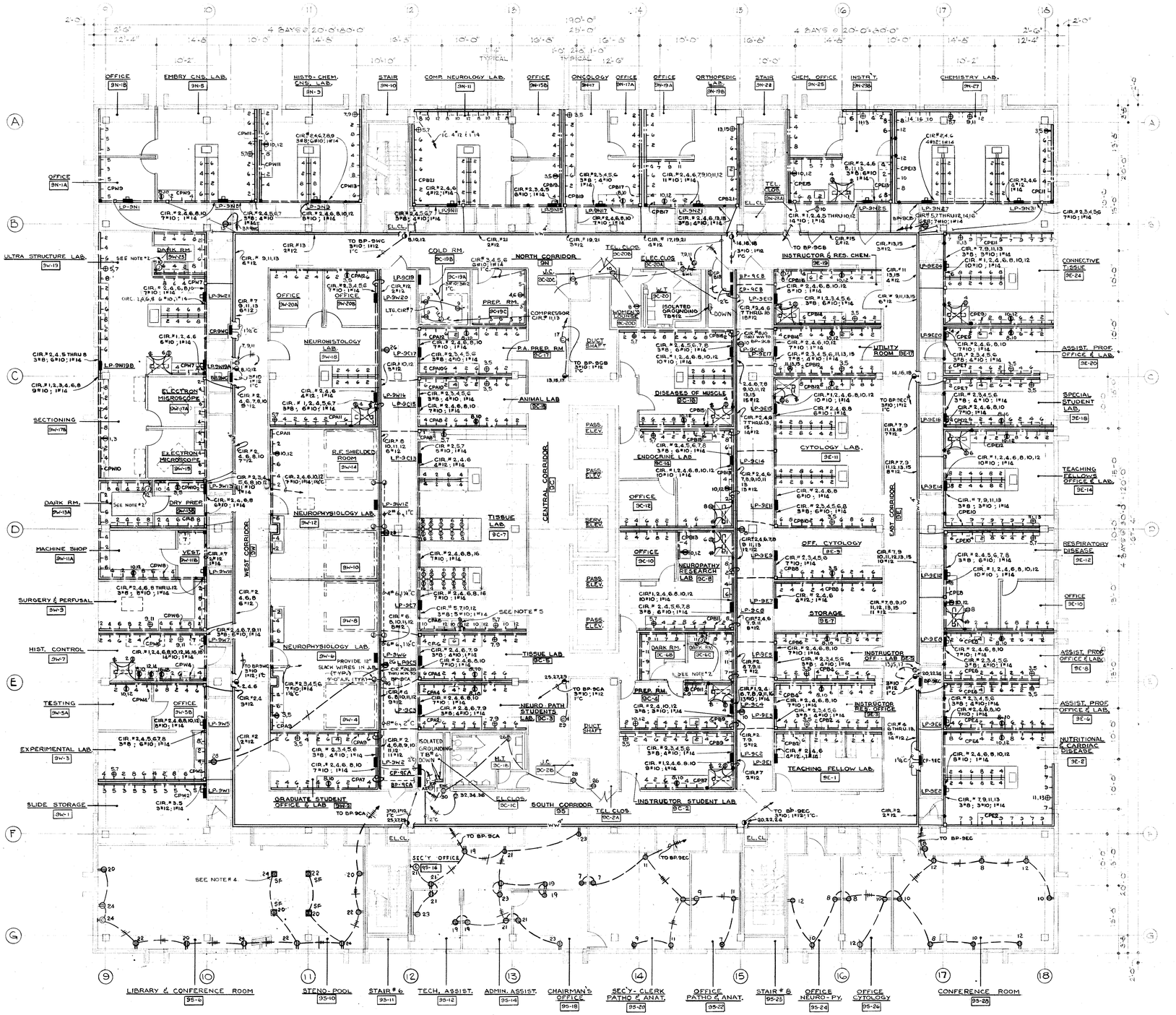
B. K. ELLIOTT CO. 301 790 1-67+

CIRCUIT IDENTIFICATION

SYM.	PANEL	CIRCUIT NOS	Nº WIRES & SIZE
①	CPA	8,10,12,13,15,17	8 #12
②	CPA	4,6 THRU 13,15,17	15 #12
③	CPA	2,4,6 THRU 13,15,17	16 #12
④	CPE	6 THRU 10,12	8 #12


MOLECULAR BIOLOGY LAB. BN-5
OFFICE BN-5A
ULTRA-CENTRIFUGE LAB. BN-9
STAIR BN-10
INSTR'T. ROOM BN-11B
AUTORADIOLOGY LAB. BN-13
GLASS WASH BN-15
OFFICE BN-17B
INSTR'T. ROOM BN-19B
RADIOISOTOPE COUNTING BN-21
STAIR BN-22
OFFICE BN-23B
RADIOISOTOPE LAB. BN-25
RADIOISOTOPE LAB. BN-27
INSTR'T. BN-31
DARK ROOM BN-11A
DARK ROOM BN-17A
NORTH CORRIDOR 8N
FACULTY OFFICE 8C-19
IMMUNOBIOLOGY LAB. 8C-17
RADIOACTIVE COUNTING LAB. 8C-15
EXP. EMBRYOLOGY LAB. 8C-11
CARDIOVASCULAR LAB. 8C-5
GENETICS LAB. 8C-4B
PEDIATRIC LAB. 8C-2
TISSUE CULTURE LAB. 8C-19
ULTRA-STRUCTURE LAB. 8C-15
CELL CULTURE LAB. 8C-11
ORGANIC CULTURE LAB. 8C-7
MYCOLOGY GENETICS LAB. 8E-3
IMMUNO HEMATOLOGY 8E-20A
ELECTRON MICROSCOPE 8E-24A
ELECTRON MICROSCOPE 8E-16A
DARK ROOM 8E-24B
DARK ROOM 8E-16B
PROTOZO LAB. 8E-14
HELMINTHS LAB. 8E-12
BACTERIAL GENETICS LAB. 8E-4
SUPPLY EQUIPMENT 8E-2
PHOTO. LAB. 8S-32A
HISTOLOGY LAB. 8W-19
DEVELOPMENT BIOLOGY LAB. 8W-13
ULTRA-STRUCTURE LAB. 8W-5
FACULTY OFFICE 8W-1
EXP. CYTOLOGY LAB. 8W-16
EXP. EMBRYOLOGY LAB. 8W-4
CELL BIOLOGY LAB. 8W-18
TISSUE CULTURE PREP 8W-8A
SOLD ROOM 8W-10A
DARK RM. 8W-12B
UV ROOM 8W-6B
GRAD STUD. LAB. 8W-6A
PREP ROOM 8W-12A
E.M. LAB. 8W-11B
E.M. 8W-3B
WEST CORRIDOR 8W
CENTRAL CORRIDOR 8C
EAST CORRIDOR 8E
SOUTH CORRIDOR 8S
PASS. ELEV.
SERV. ELEV.
CONFERENCE ROOM 8S-4
LIBRARY 8S-6
STAIR #6 8S-11
RECEPT. & SECT OFFICE 8S-16
STENO POOL 8S-20
ANATOMY COMMITTE 8S-24B
FACULTY OFFICE 8S-24A
FACULTY OFFICE 8S-26
CARDIOVASCULAR LAB. 8S-28
OFFICE 8S-32A
OFFICE 8S-10
TECH ASSIST. 8S-12
ADMIN. ASSIST. 8S-14
CHAIRMAN'S OFFICE 8S-18
OFFICE 8C-20A
OFFICE 8C-17
OFFICE 8C-16
OFFICE 8C-12
OFFICE 8C-10
OFFICE 8C-9
OFFICE 8C-7
OFFICE 8C-3
OFFICE 8C-4B
OFFICE 8W-23B
OFFICE 8W-20
OFFICE 8W-14B
OFFICE 8W-4
OFFICE 8W-3A
FACULTY OFFICE 8W-17
DARK ROOM 8W-11A
ULTRA-STRUCTURE LAB. 8W-7
FACULTY OFFICE 8W-1
TEL. CLOS. 8N-23A
TEL. CLOS. 8C-20A
TEL. CLOS. 8C-2A
EL. CL.
W.T. 8C-20
J.C. 8C-20C
WOMEN'S LOUNGE 8C-20D
JANT. STAIR
UTILITY LAB. 8C-18
M.T. 8C-1B
J.C. 8C-2B
EL. CLOS. 8C-1C
TEL. CLOS. 8C-1A
TO BP-8WC
TO BP-8CA
TO BP-8CB
TO BP-8EC
TO BABEC
TO BP-8C
TO BP-8C B
TO BP-8S
TO BP-8SA
TO BP-8SB
TO BP-8SC
TO BP-8SD
TO BP-8SE
TO BP-8SF
TO BP-8SG
TO BP-8SH
TO BP-8SJ
TO BP-8SK
TO BP-8SL
TO BP-8SM
TO BP-8SN
TO BP-8SP
TO BP-8SQ
TO BP-8SR
TO BP-8SS
TO BP-8ST
TO BP-8SU
TO BP-8SV
TO BP-8SW
TO BP-8SX
TO BP-8SY
TO BP-8SZ
TO BP-8TA
TO BP-8TB
TO BP-8TC
TO BP-8TD
TO BP-8TE
TO BP-8TF
TO BP-8TG
TO BP-8TH
TO BP-8TJ
TO BP-8TK
TO BP-8TL
TO BP-8TM
TO BP-8TN
TO BP-8TP
TO BP-8TQ
TO BP-8TR
TO BP-8TS
TO BP-8TT
TO BP-8TU
TO BP-8TV
TO BP-8TW
TO BP-8TX
TO BP-8TY
TO BP-8TZ
TO BP-8UA
TO BP-8UB
TO BP-8UC
TO BP-8UD
TO BP-8UE
TO BP-8UF
TO BP-8UG
TO BP-8UH
TO BP-8UJ
TO BP-8UK
TO BP-8UL
TO BP-8UM
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SEE NOTE #2
SEE NOTE #4
SEE NOTE #5
SEE NOTE #6
SEE NOTE #7
SEE NOTE #8
SEE NOTE #9
SEE NOTE #10
SEE NOTE #11
SEE NOTE #12
SEE NOTE #13
SEE NOTE #14
SEE NOTE #15
SEE NOTE #16
SEE NOTE

R. K. ELLIOTT CO. 201 750 1-67



NINTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NOTES

1. PROVIDE ADEQUATE LIGHT SEAL FOR THE WIREWAY OPENING THRU DARK RM. WALLS
2. SEE NOTE #6 ON SHEET EL-10
3. REFER TO SH. # EL-46 FOR ADDITIONAL POWER WIRING
4. VERIFY EXACT LOCATION OF FLOOR BOX WITH OWNER PRIOR TO INSTALLATION.
5. RECEPTACLE FOR COLD PLATE REFRIGERATOR UNDER COUNTER.

REVISIONS	DATE	BY	BULL. NO.
ISSUED FOR			
7-6-70 ENVIRONMENTAL RMS. (INTR. REVISED)			
BIDS SPEC - JOB #66-121 (1ST ADDN.)	4-9-69	RE	#9
6-9-69 GENERAL CONTRACT CONSTR.	4-9-69	RE	#6
12-26-68 GENERAL CONTRACT CONSTR.	11-3-68	RE	#6
1-26-68 ALL CONTRACTS - BIDS-ADD'L	1-26-68	K.E.	ADD. #1
12-1-67 CONTRACTS (REVISED) BIDS-SPEC.	12-1-67		
10-31-67 ALL CONTRACTS BIDS-ADD.#1	10-8-67	K.E.	ADD. #1
9-25-67 ALL CONTRACTS BIDS-SPEC			
ISSUED FOR	DATE	BY	BULL. NO.

PROJECT DIRECTOR: C.B. McGREW
IN CHARGE: K. ESME
DESIGNED BY: PN / D.H.K.
DRAWN BY: R.L.M. / T.D.J.
CHECKED BY: PN / K.E.
DATE: SEPT. 25, 1967
APPROVED: [signature]

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT — MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
DETROIT — MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, MICH. 128-152, RESEARCH FACILITIES AND RESOURCES; NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE, PR-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND — OHIO

DRAWING NO. [illegible]

DIRECTION OF CENTRAL PROGRAMS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

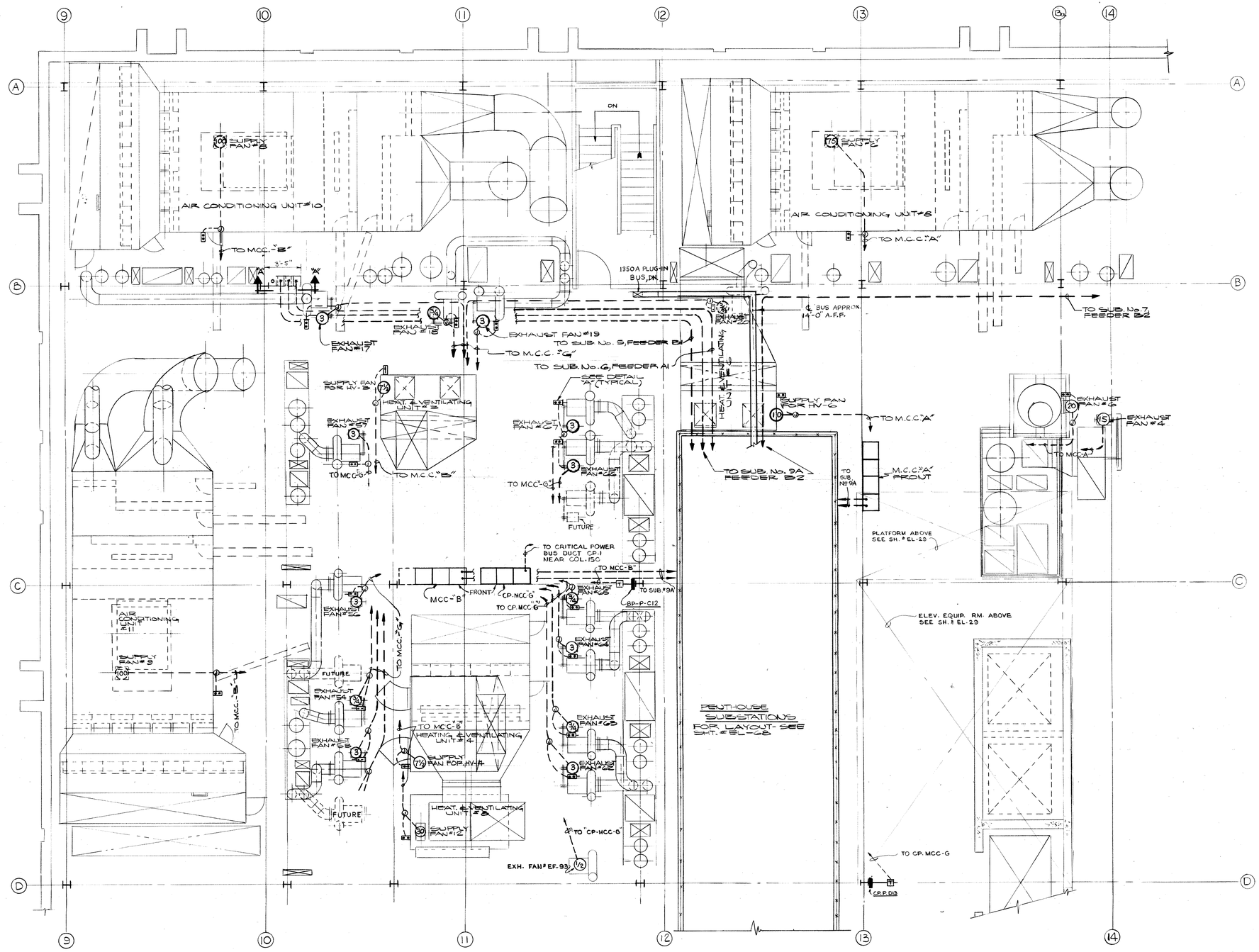
REVIEW ☐ ISSUED ☐ ACCOUNT NO. 100-1590-250-026
CONSTRUCTION ☐
FINAL RECORD ☐

SHEET TITLE: NINTH FLOOR POWER LAYOUT

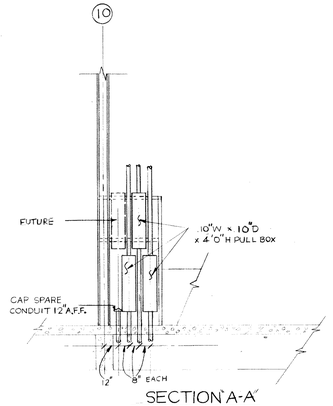
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-23

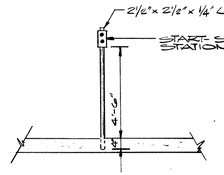
B. K. ELLIOTT CO. 301 796 1-67+



PENTHOUSE (NORTH-WEST)
POWER & POWER DIST. LAYOUT
SCALE: 1/4" = 1'-0"



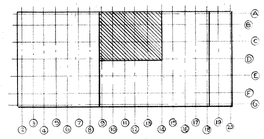
SECTION "A-A"
SCALE: 1/4" = 1'-0"



DETAIL "A"
N.T.S.

NOTES

1. REFER TO SH.# EL-71 & EL-72 FOR ONE LINE DIAGRAMS OF M.C.C.'S
2. REFER TO SH.# EL-71 FOR MOTOR FEEDER CHART



KEY PLAN

NORTH

10-6-67	PLUMBING WORK CONTRACT REVISED, BIDS - SPECS.	12-4-67	
10-20-67	ALL CONTRACTS-BIDS-SPECS.	3-08-68	K.E.
3-26-68	ALL CONTRACTS-BIDS-SPECS.	4-30-68	K.E.
DATE	REVISIONS	ADD'N NO.	BY

ISSUED FOR

PROJECT DIRECTOR	C. B. McCREW
DESIGNED BY	J. S.
DRAWN BY	J. S.
CHECKED BY	U. J. S.
IN CHARGE	K. ESME
DRAWN BY	M.V. / M.A.
DATE	SEP. 25, 1967
APPROVED	
DRAWING NO.	EL-24
SHEET OF	SHEETS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers MICHIGAN
DETROIT

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH. 129-152 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

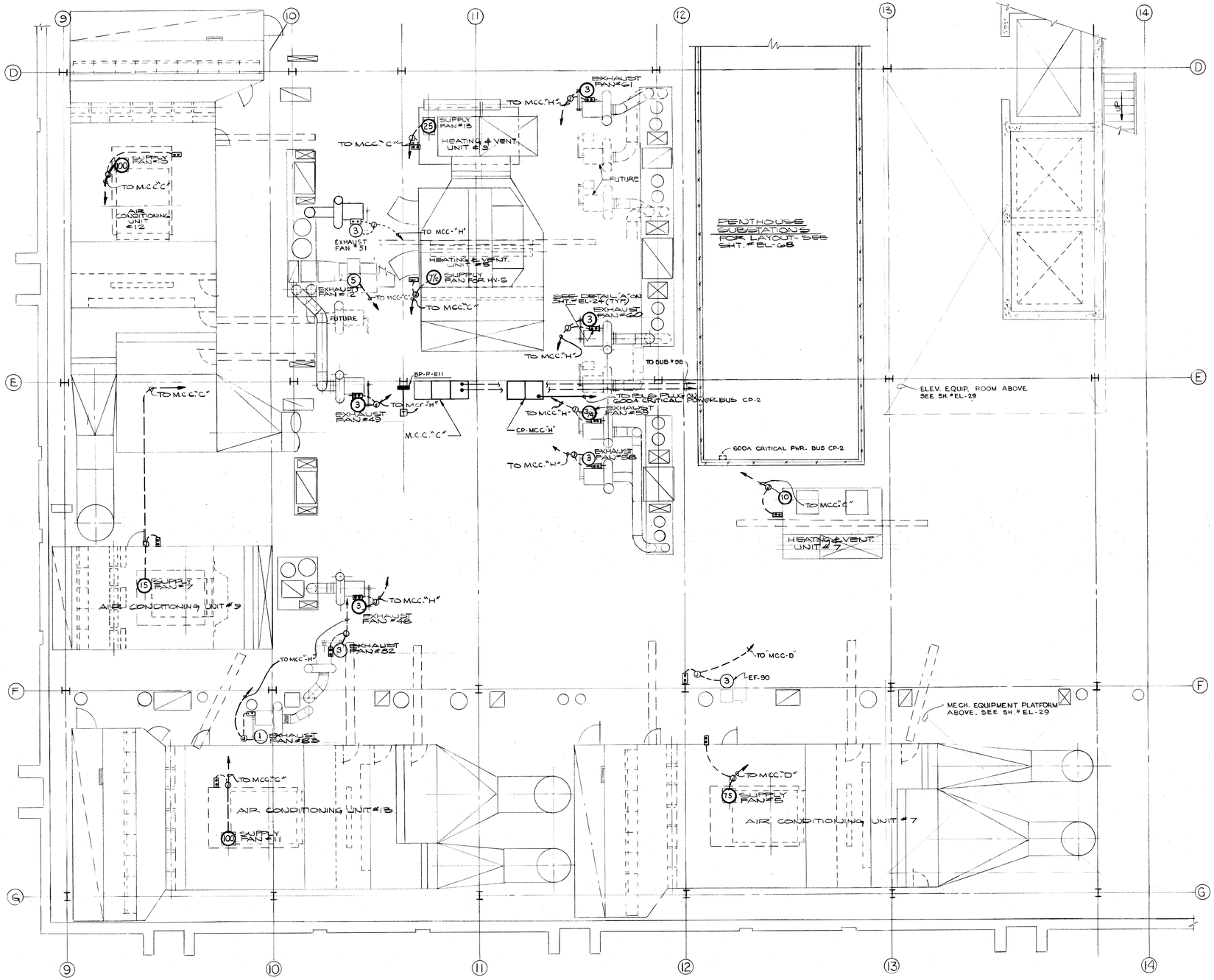
REVIEW
CONSTRUCTION
FINAL RECORD
ISSUED
ACCOUNT NO. 100-1590-250-026

SHEET TITLE
PENTHOUSE (NORTH-WEST) POWER & POWER DISTR. LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-24

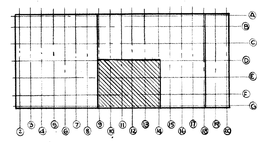
B. K. ELLIOTT CO. 301 790 1-67+



PENTHOUSE (SOUTH-WEST)
POWER & POWER DIST. LAYOUT
SCALE: 1/4" = 1'-0"

NOTES

1. REFER TO SH.# EL-71 & EL-72 FOR ONE LINE DIAGRAMS OF M.C.C.S
2. REFER TO SH.# EL-71 FOR MOTOR FEEDER CHART



KEY PLAN

NORTH

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 129-152: RESEARCH FACILITIES AND FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: FR-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

PROJECT DIRECTOR C. B. McGREW
IN CHARGE K. ESME
DESIGNED BY J.J.S.
DRAWN BY A.J.C.
CHECKED BY J.J.S. & K.E.
DATE SEP. 25 1967
APPROVED

REVISIONS	DATE	ISSUED FOR
12-6-67 PLUMBING WORK - CONTRACT #2 REVISED BIDS - SPEC.	12-6-67	ADDS
1-4-67 ISSUED ALL CONTRACTS - BIDS - SPECS.	1-4-67	BIDDING
2-20-67 ALL CONTRACTS - BIDS - SPECS.	2-20-67	BIDDING

DRAWING NUMBER

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED ☐
CONSTRUCTION ☐ ☐
FINAL RECORD ☐ ☐

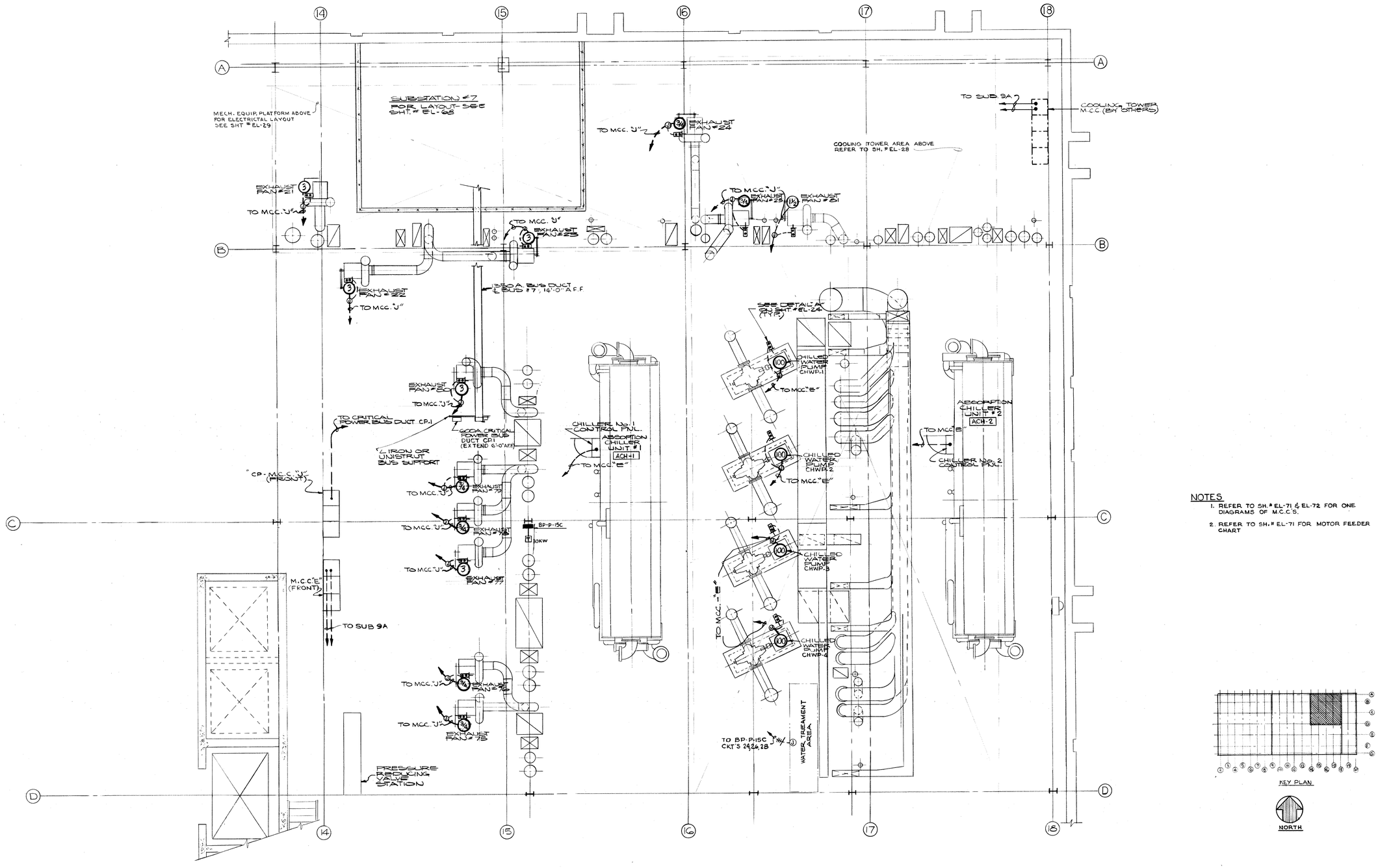
ACCOUNT NO. 100-1590-250-026

SHEET TITLE PENTHOUSE (SOUTH-WEST) POWER & POWER DISTR. LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-25

B. K. ELLIOTT CO. 301 250 1-67



PENTHOUSE (NORTH-EAST)
POWER & POWER DIST. LAYOUT
SCALE: 1/4" = 1'-0"

NOTES
1. REFER TO SH.# EL-71 & EL-72 FOR ONE DIAGRAMS OF M.C.C.'S.
2. REFER TO SH.# EL-71 FOR MOTOR FEEDER CHART

NO.	DATE	ISSUED FOR	BY	BILL NO.
	10-6-67	PLUMBING WORK CONTRACT REVISED, BIDS SPECS.	12-4-67	
	9-25-67	ALL CONTRACTS BIDS-SPECS		

REVISIONS

PREPARED FOR DIRECTION: C. B. McGREW
DESIGNED BY: J.J.S.
CHECKED BY: J.J.S. & K.E.
APPROVED: [signature]
DRAWING BY: K. ESME
DRAWN BY: R.J.C.
DATE: SEP. 25, 1967
SCALE: AS NOTED
DIRECTOR'S OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
DETROIT

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 129-152, RESEARCH FACILITIES AND NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE FR-102

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

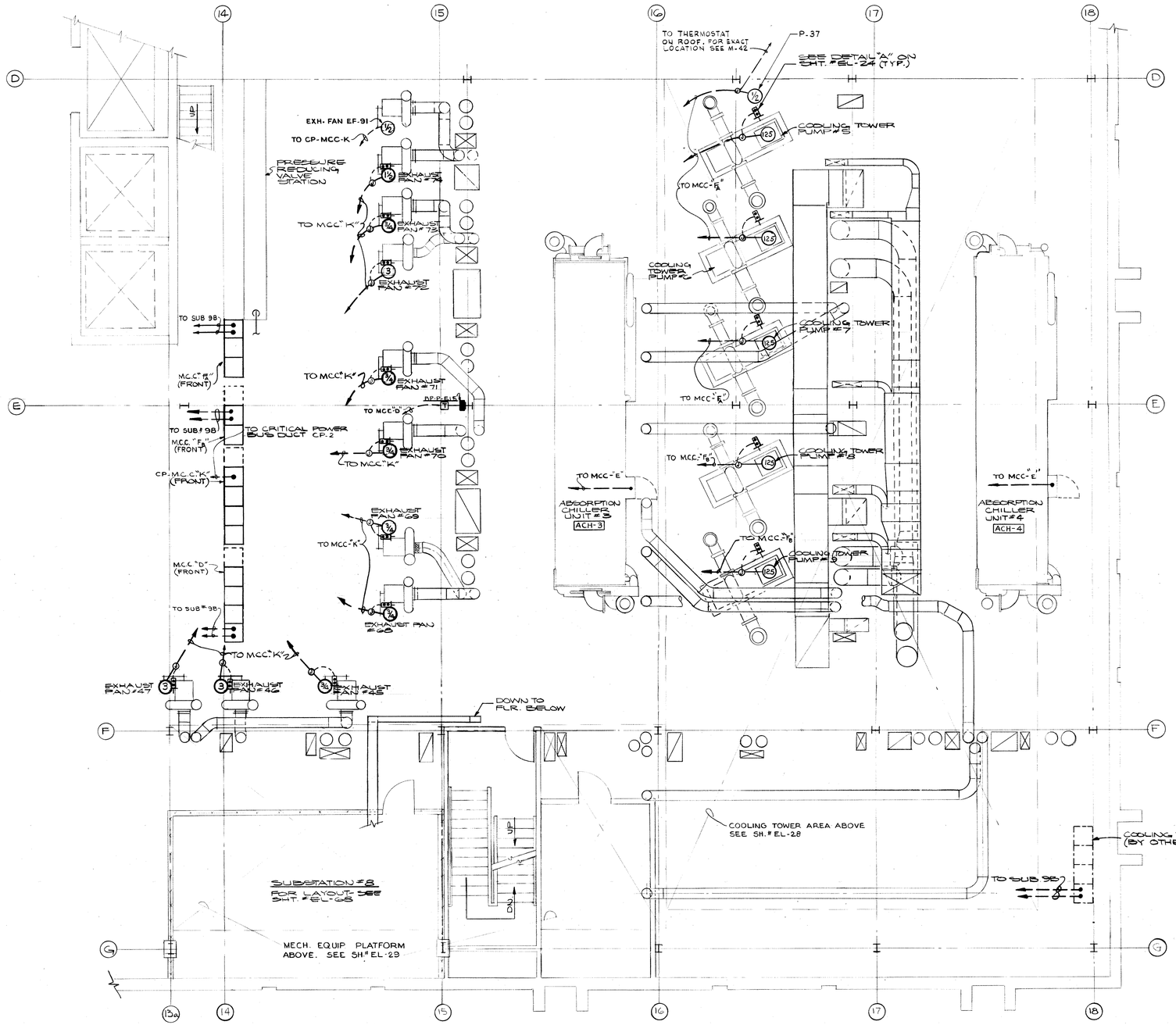
REVIEW ☐ ☐ ISSUED
CONSTRUCTION
FINAL RECORD
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: PENTHOUSE (NORTH-EAST) POWER & POWER DIST. LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-26

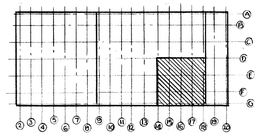
B. K. ELLIOTT CO. 361 790 1-67+



PENTHOUSE (SOUTH-EAST)
POWER & POWER DIST. LAYOUT
SCALE: 1/4" = 1'-0"

NOTES

1. REFER TO SH.# EL-71 & EL-72 FOR ONE LINE DIAGRAMS OF M.C.C.S.
2. REFER TO EL-71 FOR MOTOR FEEDER CHART



KEY PLAN

NORTH

PROJECT DIRECTOR C. B. McGREW	DRAWN BY R.J.C. & L.W.	3-26-67	GENERAL CONTRACT CONSTR.	8-10-67	L. S.	BULL#8	
DESIGNED BY J.J.S.	CHECKED BY J.J.S. & K.E.	12-4-67	REVISED BIDS - SPECS.	12-4-67			
CHECKED BY K. E. SHE	DATE SEP. 25, 1967	12-20-67	REVISED BIDS - ADD'S	12-20-67	K.E.	ADD'S	
APPROVED		ISSUED	ALL CONTRACTS-BIDS-ADD'S	DATE	BY	BULL. NO.	DATE
DIRECTOR - OFFICE OF CAPITAL PLANNING		9-25-67	ALL CONTRACTS-BIDS-SPECS	REVISIONS			ISSUED FOR REVISIONS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH. 121-152 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐ ISSUED

ACCOUNT NO. 100-1590-250-026

SHEET TITLE: PENTHOUSE (SOUTH-EAST) POWER & POWER DIST. LAYOUT

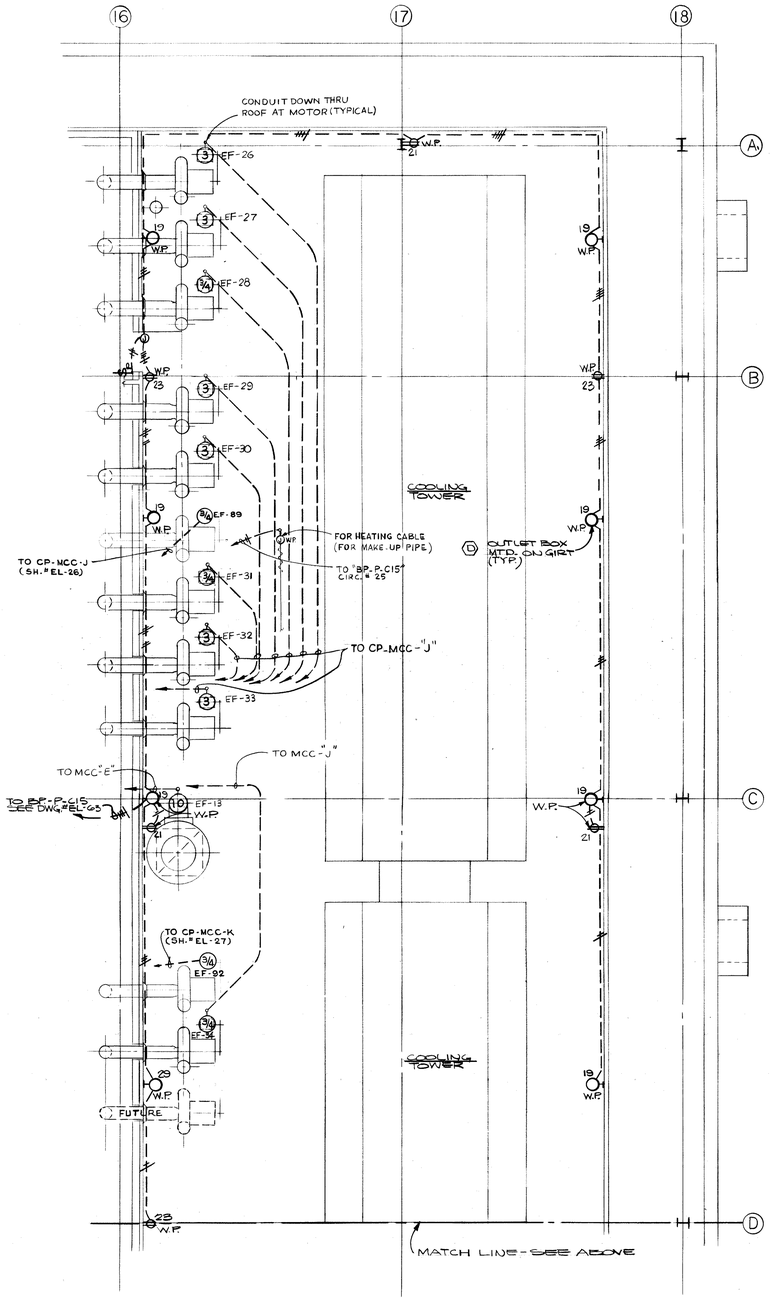
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-27

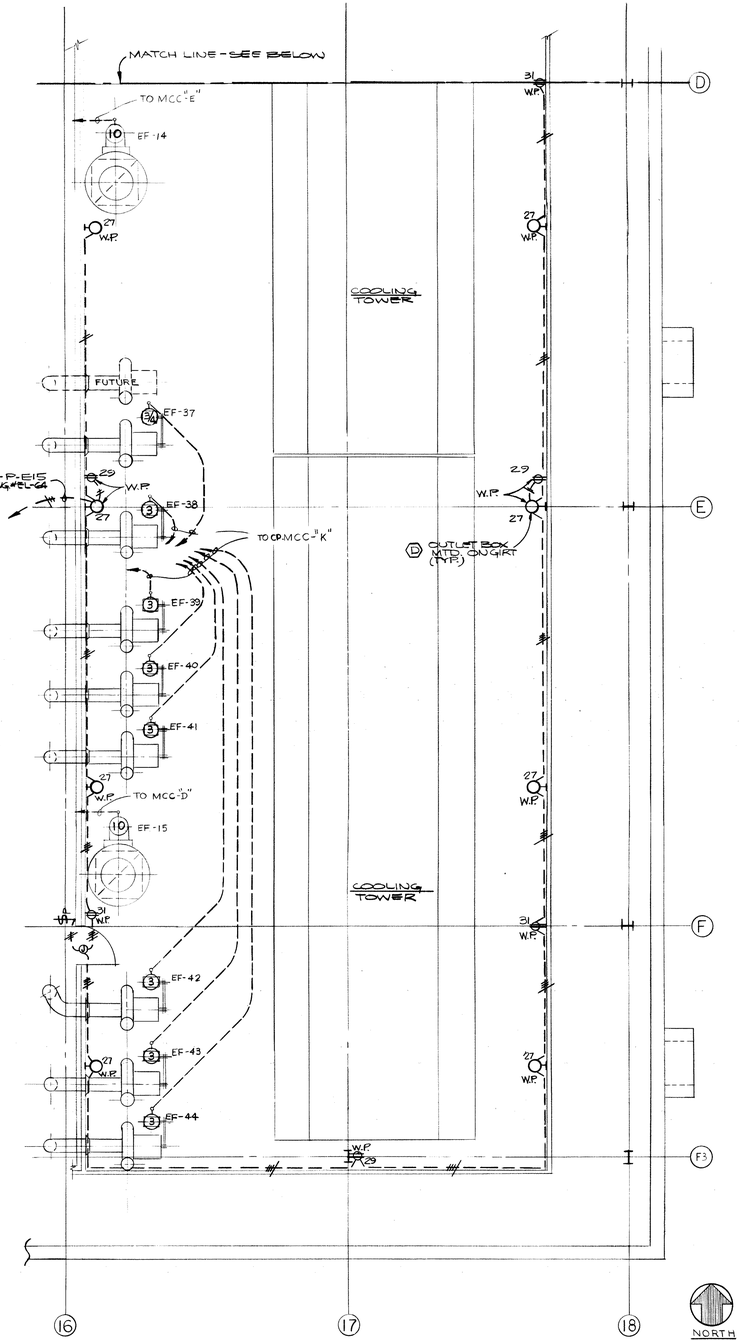
B. K. ELLIOTT CO. 301 790 1-67a

NOTES

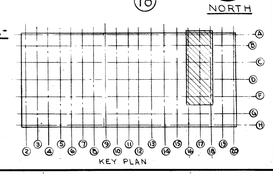
1. REFER TO SH.# EL-71 & EL-72 FOR ONE LINE DIAGRAMS OF M.C.C.'S.
2. REFER TO SH. # EL-71 FOR MOTOR FEEDER CHART.



PART PLAN - COOLING TOWER AREA
ELECTRICAL LAYOUT
SCALE: 1/4"=1'-0"

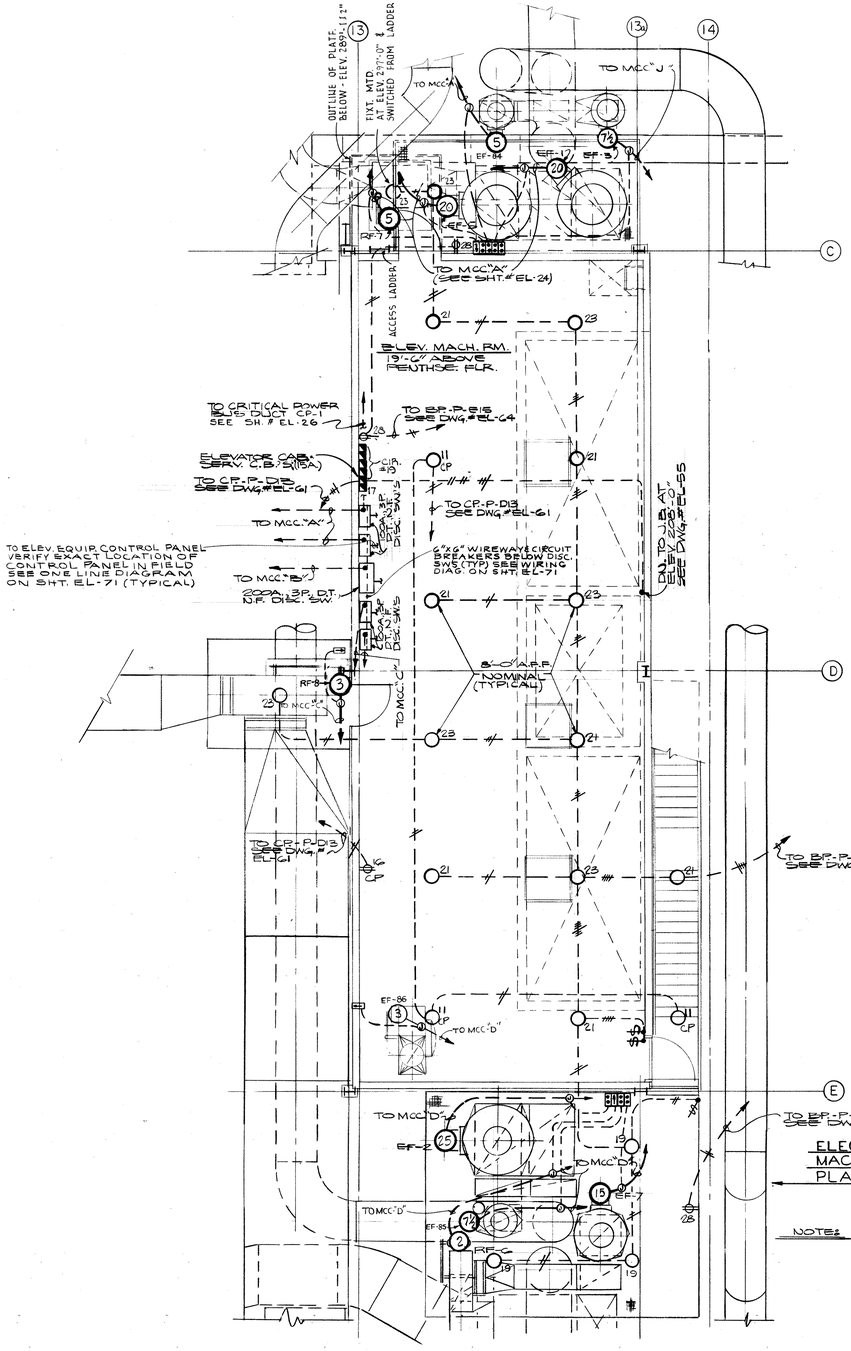


PART PLAN - COOLING TOWER AREA - CON'T.
ELECTRICAL LAYOUT
SCALE: 1/4"=1'-0"



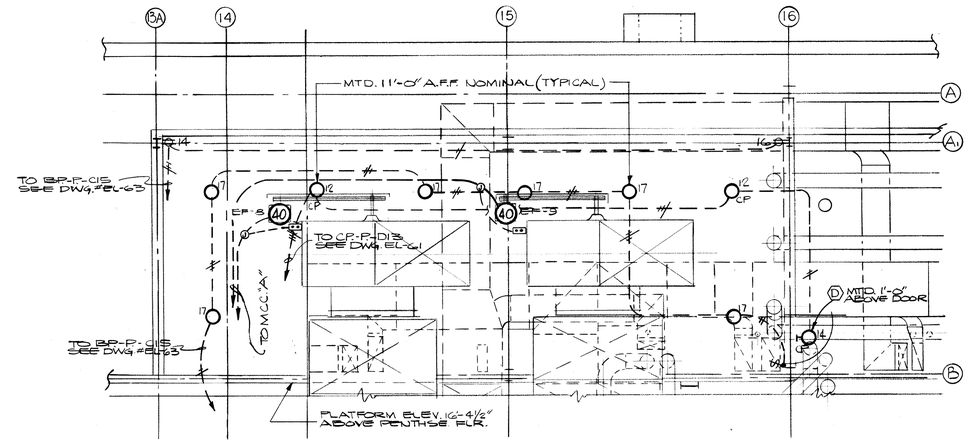
REVISIONS	DATE	BY	REL. NO.	ISSUED FOR

B. K. ELLIOTT CO. 301 750 1-67



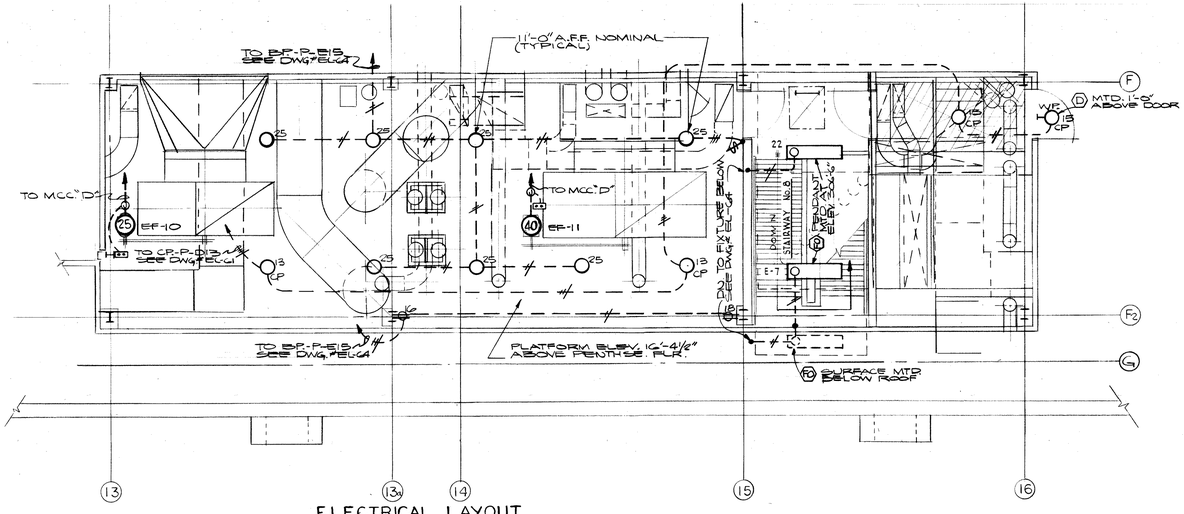
ELECTRICAL LAYOUT OF ELEV. MACH. ROOM & MECH. EQUIP. PLATFORMS - PENTHOUSE
SCALE: 1/4" = 1'-0"

NOTE: ALL FIXTURES ON THIS PLAN ARE TYPE "M", UNLESS OTHERWISE NOTED.



ELECTRICAL LAYOUT OF MECHANICAL EQUIPMENT PLATFORM - PENTHOUSE
SCALE: 1/4" = 1'-0"

NOTE: ALL FIXTURES ON THIS PLAN ARE TYPE "M", UNLESS OTHERWISE NOTED.



NOTES
1. REFER TO SH. # EL-71 & EL-72 FOR ONE LINE DIAGRAMS OF M.C.C.S.
2. REFER TO EL-71 FOR MOTOR FEEDER CHART.

PROJECT DIRECTOR: C. B. McGREW
DESIGNED BY: J.J.S.
CHECKED BY: J.J.S / K.E.
APPROVED: [signature]
DRAWN BY: K. ESMÉ
DRAWN BY: R.J.C.
DATE: SEP. 25, 1967
APPROVED: [signature] Grant J. Michelucci
DIRECTOR - OFFICE OF CAPITAL PROGRAMS

NO.	DATE	REVISIONS
4	4-2-71	GEN. CONTRACT CONST.
3	12-4-67	REVISED BIDS - SPECS
2	10-6-67	REVISED BIDS - SPECS
1	9-25-67	ALL CONTRACTS-BIDS-SPECS

ISSUED FOR REVISIONS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐
FINAL RECORD ☐ ACCOUNT NO. 100-1590-250-026

PENTHOUSE UPPER LEVEL PART PLANS ELECTRICAL LAYOUT

ARCHITECTS JOB NO. 66-121

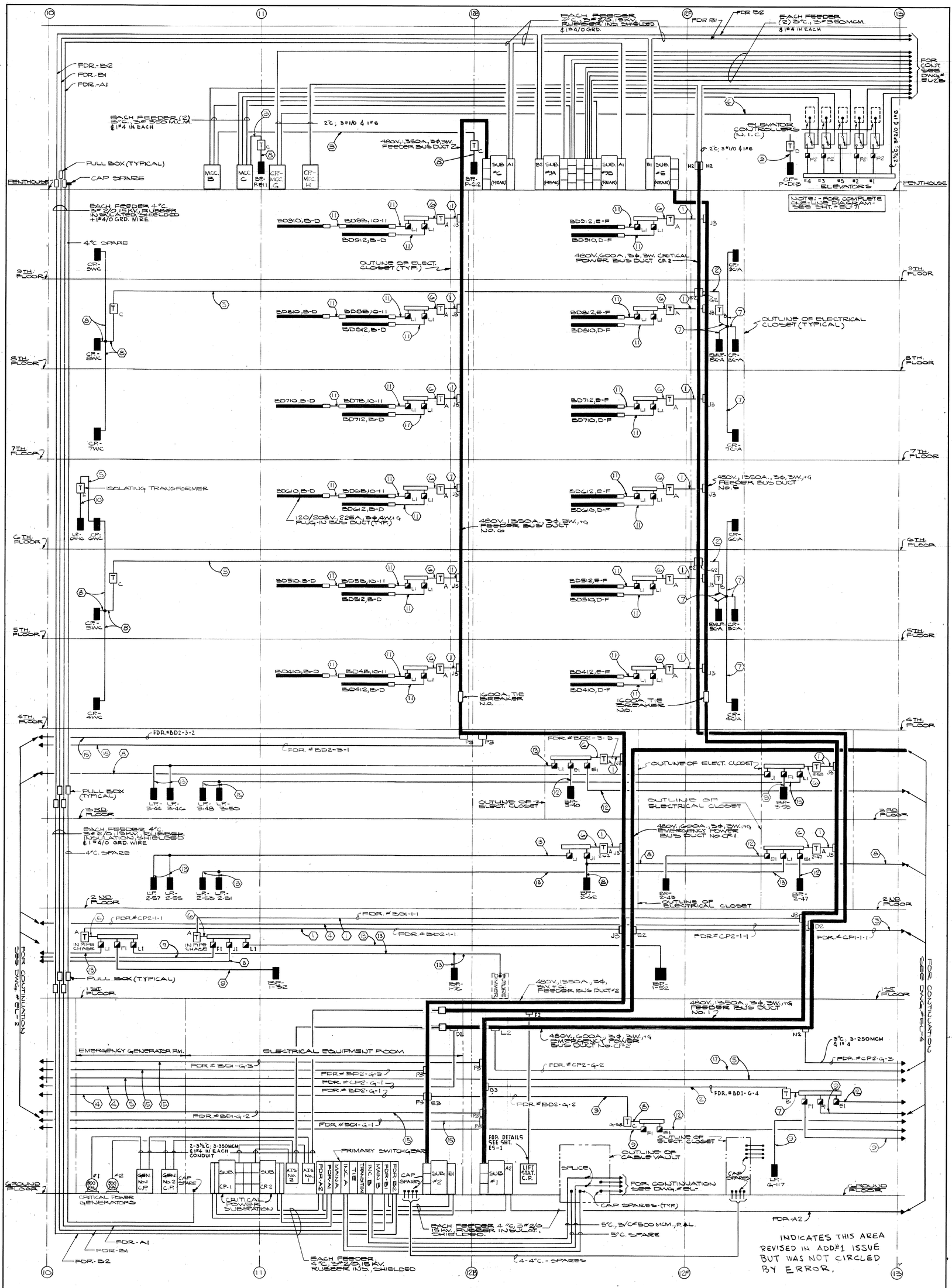
SHEET NO. EL-29

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, MICH. 129-132. RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE: FR-102

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO



POWER & LIGHTING RISER DIAGRAM - PART II

U.T.S.

PROJECT DIRECTOR: C. B. McGREW	IN CHARGE: K. E. SME										
DESIGNED BY: E. L. S.	DRAWN BY: R. J. COMSTOCK										
CHECKED BY: K. E.	DATE: SEP. 25, 1967										
APPROVED:		12-6-67	PLUMBING WORK CONTRACT (REVISED) BIDS - SPEC.	12-6-67							
APPROVED:		10.20.67	ALL CONTRACT BIDS. ADD#3	10.20.67	K.E.	ADD #3					
DEAN, COLLEGE OF ENGINEERING		10-9-67	ALL CONTRACT - BIDS - ADD #1	10-9-67	K.E	ADD #1					
DIRECTOR - OFFICE OF CAPITAL PROGRAMS	DATE	9-25-67	ALL CONTRACTS-BIDS-SPECS.	DATE	BY	BULL NO.					
		ISSUED FOR		REVISIONS			DATE	ISSUED FOR		REVISIONS	

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ARCHITECT'S JOB NO. 66-121

SHEET NO. EL-3

REVIEW ☐ ISSUED
CONSTRUCTION ☐
FINAL RECORD ☐ ACCOUNT NO. 100-1590-250-026

SHEET TITLE: POWER & LIGHTING RISER DIAGRAM

BASIC INSTRUCTION FACILITY

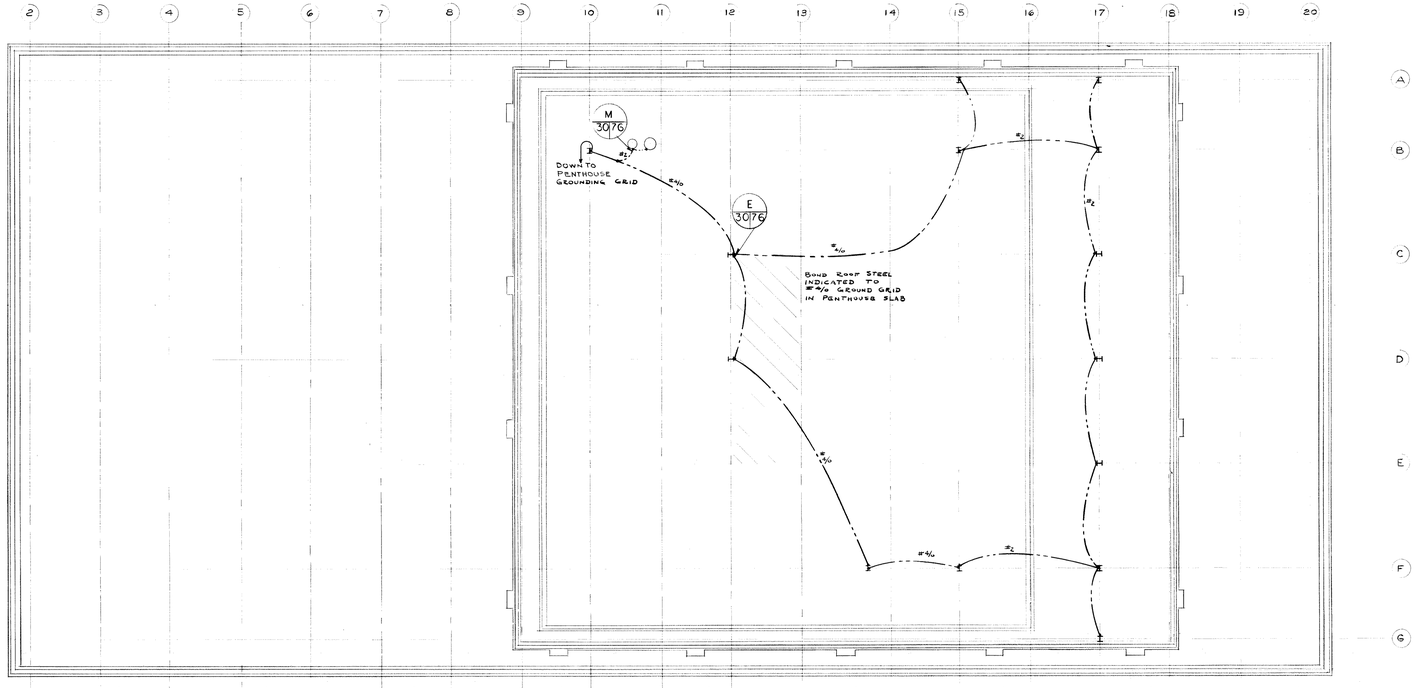
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
DETROIT
architects engineers
MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS - MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: PR-152

B. K. ELLIOTT CO. 301 790 1-67



COMPOSITE ROOF PLAN
SCALE: 1/16" = 1'-0"

NORTH

REVISIONS	DATE	BUL. NO.	BY	REVISIONS	DATE	ISSUED FOR
				PLUMBING WORK CONTRACT REVISED, BIDS-SPECS.	12-6-67	BIDS
				ALL CONTRACTS-BIDS-SPECS	9-25-67	CONSTRUCTION

PROJECT DIRECTOR: C. B. McGREW
DESIGNED BY: J.R.F.
DRAWN BY: J.R.F.
CHECKED BY: J.R.F./K.E.
APPROVED: R. M. Patterson
DATE: SEP. 25, 1967
PROJECT ENGINEER: K. E. McGREW
IN CHARGE: K. E.
ARCHITECT: GIFFELS & ROSSETTI, INC. DETROIT MICHIGAN

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
DETROIT

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

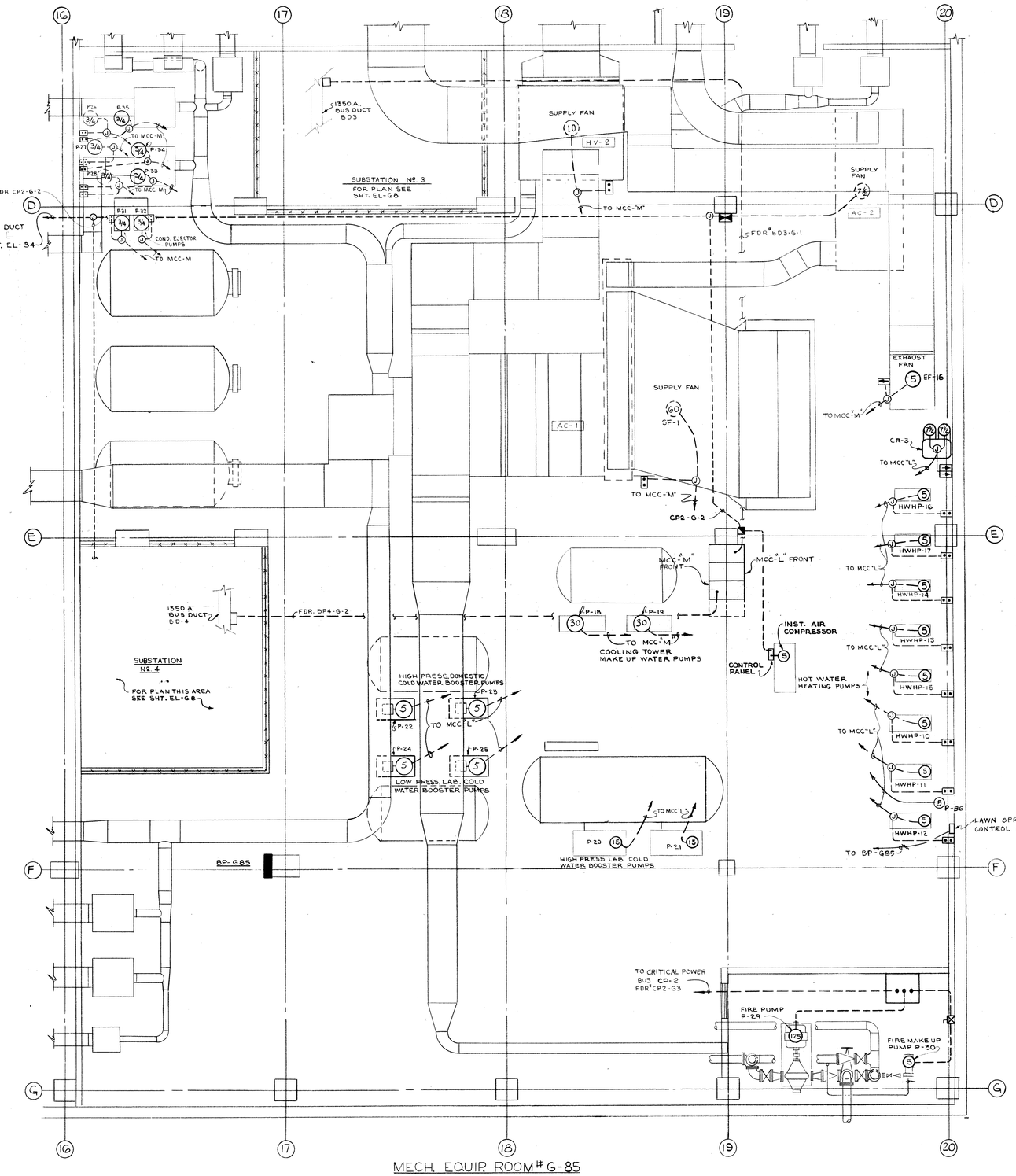
DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MIGH-121-(5) RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE FR-152

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

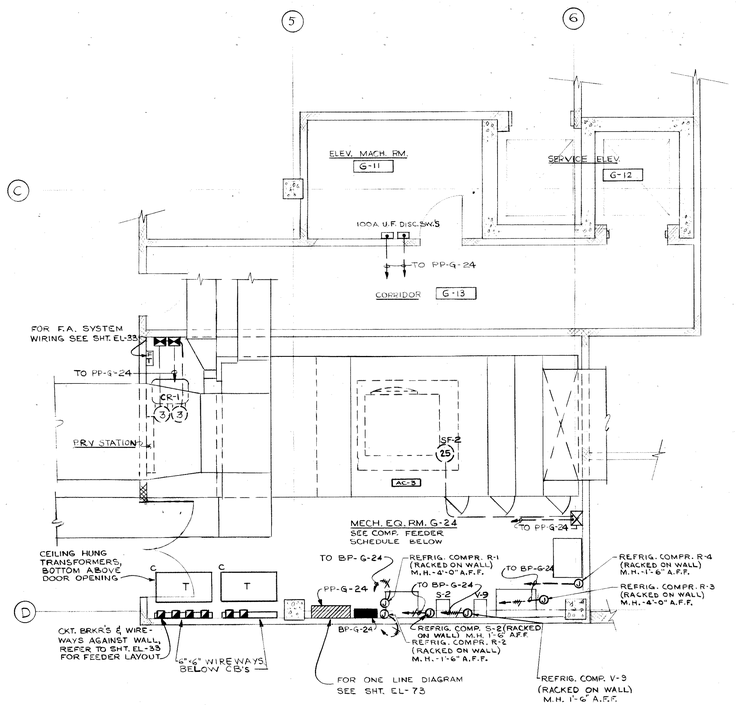
REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: COMPOSITE ROOF PLAN ELECTRICAL LAYOUT

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-30

R. K. ELLIOTT CO. 301 790 1-67



MECH. EQUIP ROOM Nº G-85
POWER LAYOUT
SCALE: 1/4"=1'-0"
FOR ADDITIONAL POWER WIRING SEE SHEET Nº EL-11



MECH. EQUIP. RM. G-24 & E.M. RM. G-11
POWER LAYOUT

SEE NOTE Nº 1

MECH. EQUIP. RM. G-24
COMPRESSOR FEEDER SCHEDULE

COMPR. Nº	SIZE	BP-G24 CIR. Nº & SIZE	FEEDER SIZE
R-1	1 HP	7,9,11 20A-3P	3#12, V2"C
R-2	1 HP	8,10,12 20A-3P	
R-3	2 HP	13,15,17 20A-3P	
R-4	1 HP	14,16,18 20A-3P	
		19,21,23 30A-3P	SPARE BKR.
S-2	1 HP	20,22,24 20A-3P	3#12, V2"C
V-9	1/3 HP	25 20A-1P	2#12, V2"C
		34,36,38 20A-3P	SPARE BKR.

GENERAL NOTES.

1. FOR ADDITIONAL POWER LAYOUT SEE SHT. EL-10 & EL-47
2. FOR ONE LINE DIAGRAMS OF POWER PANEL & M.C.C. SEE SHT. EL-73
3. FOR MOTOR BRANCH CIRCUIT WIRING REFER TO MOTOR FEEDER CHART ON SHT. EL-71

DATE	REVISIONS	BY	BILL NO.
6-18-71	GENERAL CONTRACT CONSTR.	FLL	16
2-6-70	GENERAL CONTRACT CONST	UK	13
9-17-68	GENERAL CONTRACT-CONST	UK	3A
1-26-68	ALL CONTRACTS-BIDS-ADD'S	K.E.	ADD'S
12-4-67	REVISED PER ADDENDUM #1	K.E.	ADD'S
10-20-67	ALL CONTRACTS-BIDS-ADD'S	K.E.	ADD'S
9-25-67	ALL CONTRACTS BIDS-SPECS		

DATE	ISSUED FOR
6-18-71	GENERAL CONTRACT CONSTR.
2-6-70	GENERAL CONTRACT CONST
9-17-68	GENERAL CONTRACT-CONST
1-26-68	ALL CONTRACTS-BIDS-ADD'S
12-4-67	REVISED PER ADDENDUM #1
10-20-67	ALL CONTRACTS-BIDS-ADD'S
9-25-67	ALL CONTRACTS BIDS-SPECS

PROJECT DIRECTOR: E. B. McGREW
DESIGNED BY: J.J.S.
CHECKED BY: J.J.S./K.E.
DATE: SEP. 25, 1967
IN CHARGE: K. ESHE
DRAWN BY: C.W./J.J.S.

APPROVED: Ernest J. Kump
DIRECTOR, STATE BUREAU OF FACILITIES

APPROVED: Stuart A. Thomson
CHIEF, STATE BUREAU OF BUDGET

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE, FRI-SS

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
DETROIT

STATE OF MICHIGAN
DEPARTMENT OF THE BUDGET
BUREAU OF
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD

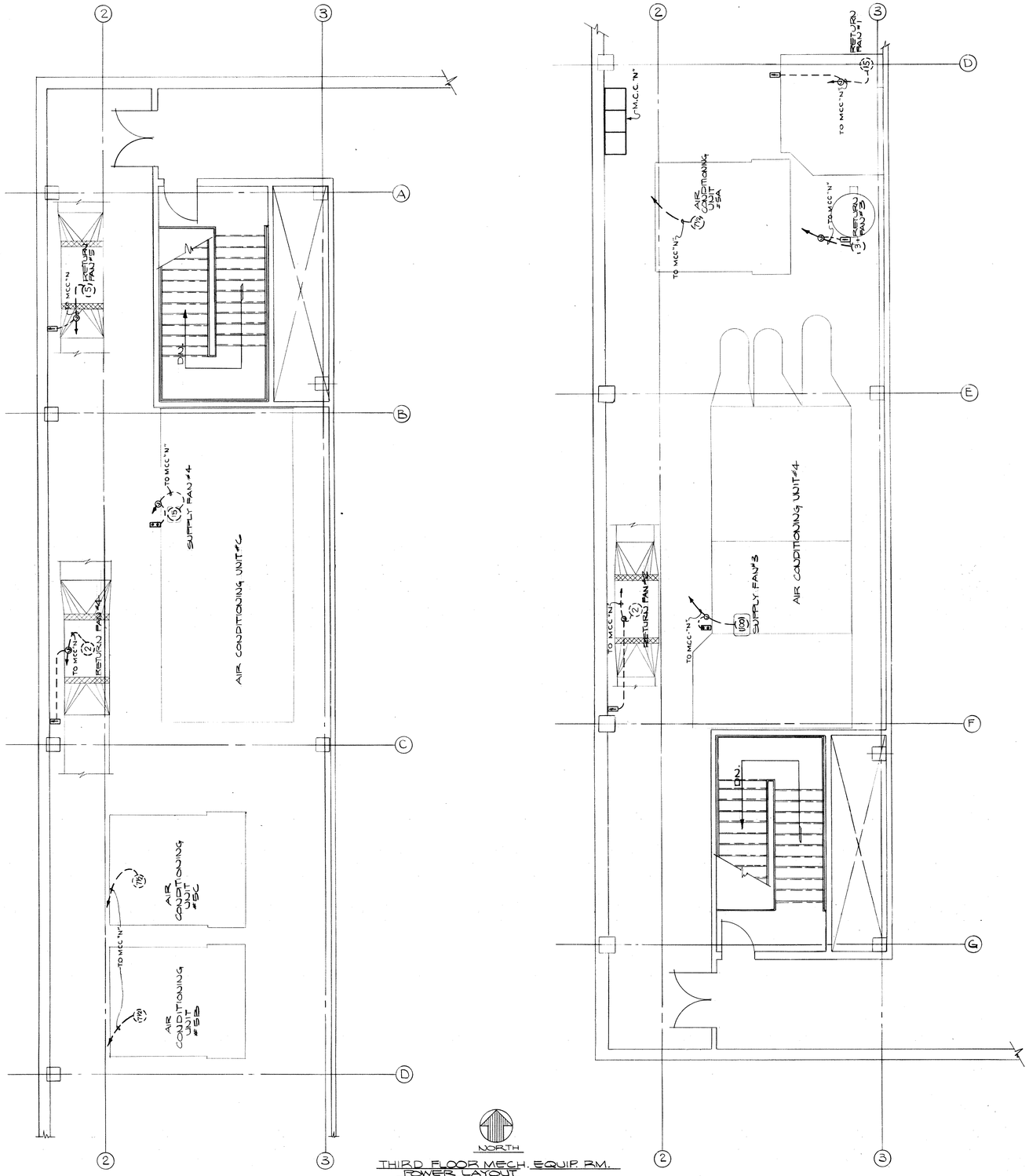
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: GROUND FLOOR MECH. EQUIP. ROOMS POWER LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-31

B. K. ELLIOTT CO. 301 790 1-67*



NORTH

THIRD FLOOR MECH. EQUIP. RM.
POWER LAYOUT
SCALE: 1/4" = 1'-0"

GENERAL NOTES:

1. FOR ADDITIONAL POWER LAYOUT SEE SHT. EL-16
2. FOR ONE LINE DIAGRAMS OF POWER PANEL & M.C.C. SEE SHT. EL-73
3. FOR MOTOR BRANCH CIRCUIT WIRING REFER TO MOTOR FEEDER CHART ON SHT. EL-71

NORTH

KEY PLAN

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ☐ ISSUED
CONSTRUCTION ☐ ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD

SHEET TITLE: THIRD FLOOR MECH. EQUIP. ROOM POWER LAYOUT & MISC. DETAILS

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-32

PROJECT DIRECTION C. B. McGREW
IN CHARGE K. ESME
DESIGNED BY J.J.S.
DRAWN BY E.D.J & R.J.C.
CHECKED BY J.J.S.
DATE SEP. 25, 1967
APPROVED
DIVISION OF PLANNING
DIRECTOR OF CAPITAL PROGRAMS

REVISIONS	DATE	BY	BILL NO.
ISSUED FOR PLUMBING WORK CONTRACT (REVISED) BIDS-SPECS	12-6-67		
ISSUED FOR ALL CONTRACTS BIDS-SPECS	9-25-67		

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC. architects engineers MICHIGAN
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE: FR-152.

JOHN, WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

B. K. ELLIOTT CO. 301 730 1-67▪

GENERAL NOTES.

1 FOR EXACT LOCATIONS OF CEILING MTD. EQUIPMENT SEE ARCHITECTURAL DWG. "A-28 OF REFLECTED CEILING PLAN.

GROUND FLOOR PLAN (WEST HALF)

SECTION 1 / EL-33
SCALE: 1/8"=1'-0"

SECTION 2 / EL-33
SCALE: 1/2"=1'-0"

SECTION 3 / EL-33
SCALE 1/4"=1'-0"

REVISIONS	DATE	ISSUED FOR
ADD. #1	2-13-69	GENERAL CONTRACT CONSTR.
ADD. #2	5-7-68	GENERAL CONTRACT CONSTR.
ADD. #1	4-11-68	GENERAL CONTRACT CONSTR.
ADD. #1	12-6-67	PLUMBING, HVAC, ELECT. CONTRACT
ADD. #1	10-31-67	ALL CONTRACTS - BIDS - ADD. #1
BY	DATE	ALL CONTRACTS - BIDS - SPECS.

PROJECT DIRECTOR IN CHARGE: C. B. McGREW — K. ESME
DESIGNED BY: A.J.F. & J.H.K. — DRAWN BY: P.J.B.
CHECKED BY: A.J.F. & J.H.K. — DATE: SEP. 25-1967
APPROVED

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐ ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD
SHEET TITLE: GRD. FLR. – WEST HALF PLMB. DIST. & MISC. SYST. LAYOUT

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-33

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WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT — MICHIGAN

GIFFELS & ROSSETTI, INC.
DETROIT · architects engineers · MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH.-113-52 RESEARCH FACILITIES: PUBLIC HEALTH NATIONAL INSTITUTES OF HEALTH PHS-HEALTH RESOURCES: RF-FC-FS

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIRECTOR OF CAPITAL PROGRAMS

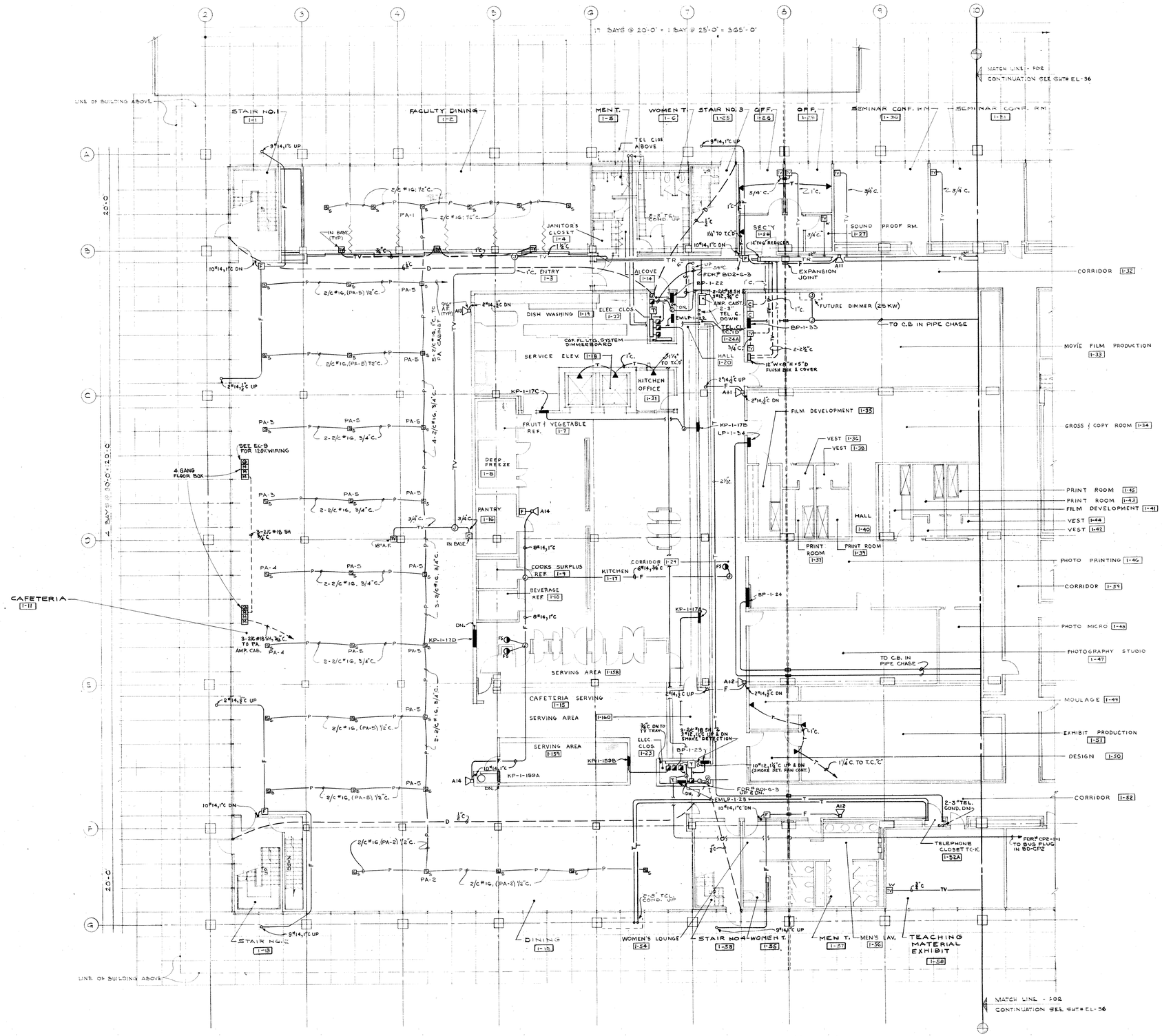
B. K. ELLIOTT CO. NO. 701 736 1-67+

NOTE

1. GROUND INDICATION SIGNAL LIGHTS & GROUND ALARM BELL MOUNTED 7'-0" ABOVE FLOOR. LIGHTS & BELL ARE TO BE INSTALLED IN ACCORDANCE WITH ARTICLE 517-G PARAGRAPH (D) OF THE N.E.C.
2. PANEL PP-G-76 SHALL BE 480 VOLT, 3Φ, 3W, 100A MAINS IN A SURFACE TYPE CABINET AND HAVE 42-1P SPACES ONLY FOR FUTURE BRANCH BRKRS.

CABLE VAULT G-50
LIFT STATION
ELECTRICAL EQUIPMENT ROOM G-49
SEE SHT. EL-G7
JANITOR'S CLOSET G-38
HIGH LEVEL ISOTOPE R.M. G-62
MENS TOILET G-57
WOMENS TOILET G-61
WOMENS LOUNGE G-60
WOMENS VEST G-59
STAIR NO. 5 G-33
ISOTOPE RM G-63
STAIR NO. 7 G-88
SMALL ANIMAL LAB. G-67
SMALL ANIMAL RM. G-68
SMALL ANIMAL RM. G-71
STAIR NO. 5 G-75
SMALL ANIMAL WORK RM G-64
SMALL ANIMAL LAB. (PATHOLOGY) G-66
SMALL ANIMAL RM. G-69
SMALL ANIMAL RM. G-70
SMALL ANIMAL RM. G-72
SMALL ANIMAL RM. G-74
TO CP-G48
FDR# CP2-G-1
FDR# B1
FOR A1
TO T.C.E
TO X-RAY EQUIP. DISC. SW IN X-RAY CONTROL RM. G-37
SPARE
FDR# BD2-G-1
COLD RM G-54
CREMATORIUM G-47
INCINERATOR G-53
VEST G-52
CORRIDOR G-41
TO BP-G41 & BP-G49
4-4"C. UP
18"-30" VERTICAL INSIDE ELBOW UP TO MASTER CONTROL R.M.
CORRIDOR G-46
FDR# BD2-G-5
CADAVER STORAGE G-42
18" FLAT ELBOW
18" TO 12" REDUCER
ELECTRICAL SUBSTATION G-44
VIEWING ROOM G-43
FDR# BD1-G-1
FDR# BD1-G-2
TO J.B. IN CORRIDOR G-51
CORRIDOR G-31
MEN'S LOCKER RM G-117
SHOWER & DRESSING G-124
WOMENS TOILET G-123
GROSS DISSECTION LAB G-126
FDR# BD1-G-5
OFFICE G-125
CORRIDOR G-117
MUSEUM & TORSO ANATOMY G-112
MATCH LINE - FOR CONTINUATION SEE SHT. # EL-33
SEE NOTE #3 SHT. NO. EL-48
LP-G-G4
SEE NOTE NO. 1
LP-G-G3
LP-G-G7
EOR 11#14-1 1/4"C. UP TO FIRST FLOOR
2-2/C#18 SH. & 1#12, 1 1/2"C. TO 2ND. FL.
2-2/C#18 SH. & 2#12, 1/2"C.
2-2/C#18 SH. & 3#12, 1/2"C.
2-2/C#18 SH. & 2#12, 3/4"C.
2-2/C#18 SH. & 3#12, 3/4"C.
2-2/C#18 SH. & 5#12, 2"C. UP TO 2ND FL.
2-2/C#18 SH. & 2#12, 1 1/2"C.
2-3 TEL. COND. UP TO 2ND FL.
2-3 TEL. COND. UP TO 3RD FL.
2-3 TEL. COND. UP TO ANN.
3-4" COND. UP TO 1ST FL. SEE SHT. EL. 36 FOR CONT.
2-3 TEL. COND. UP TO 3RD FL.
2-3 TEL. COND. UP TO 4TH FL.
2-3 TEL. COND. UP TO 5TH FL.
2-3 TEL. COND. UP TO ROOF
2-4 TEL. COND. UP TO ROOF
2-4 TEL. COND. UP TO 1ST FL.
2-4 TEL. COND. UP TO 2ND FL.
2-4 TEL. COND. UP TO 3RD FL.
2-4 TEL. COND. UP TO 4TH FL.
2-4 TEL. COND. UP TO 5TH FL.
2-4 TEL. COND. UP TO ROOF
2-4 TEL. COND. UP TO ANN.
2-4 TEL. COND. UP TO PENTHOUSE
2-4 TEL. COND. UP TO ANN. IN PENTHOUSE
2-4 TEL. COND. UP TO 1ST FL. SEE SHT. EL. 36 FOR CONT

B. K. ELLIOTT CO. 301 790 1-67



FIRST FLOOR PLAN (WEST HALF)
SCALE: 1/8"=1'-0"

REVISIONS	DATE	BY	BULL. NO.
ISSUED FOR	9-25-67		
ALL CONTRACTS-BIDS-SPECS	10-13-67	K.E.	ADD.#1
ALL CONTRACTS-BIDS-ADD.#1	10-31-67	K.E.	ADD.#2
ALL CONTRACTS-BIDS-ADD.#2	11-21-67	K.E.	ADD.#3
GENERAL CONTRACT - CONSTR.	12-6-67	K.E.	ADD.#4
PLUMBING, HEATING, VENTILATING, SPRINKLER	1-26-68	K.E.	5

PROJECT DIRECTOR: K. E. ROSSETTI
DESIGNED BY: A.J.F./J.W.K.
CHECKED BY: J.W.K.
APPROVED: [signature]
IN CHARGE: K. E. ROSSETTI
DRAWN BY: F.J.B./J.W.C.
DATE: SEPT. 25, 1967
APPROVED: [signature]
DIRECTOR OF CONSTRUCTION: [signature]

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD
ACCOUNT NO. 100-1590-250-026
1ST FLR. - WEST HALF PWR. DIST. & MISC. SYST. LAYOUT

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-35

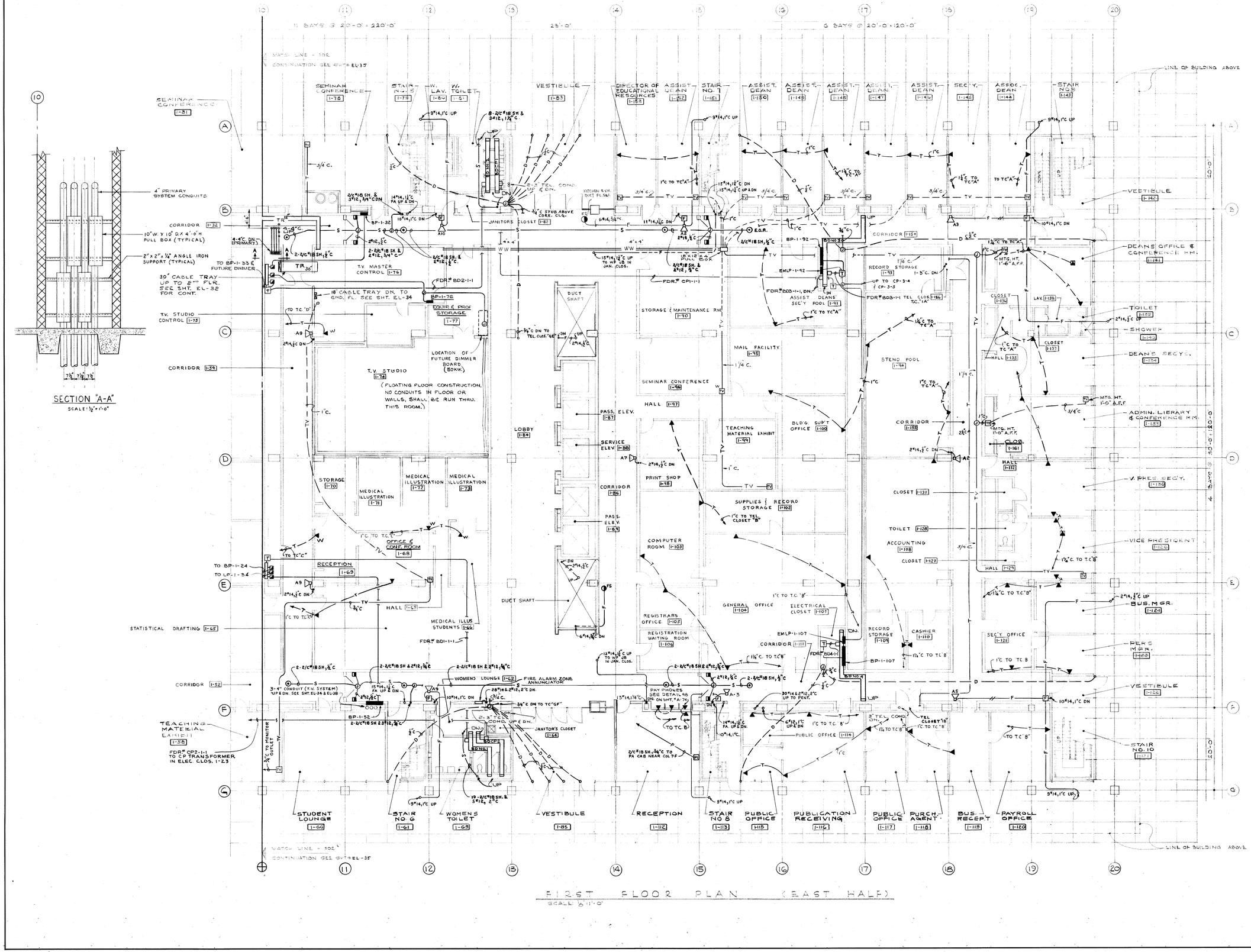
BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE AREA: STATE OF MICHIGAN
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: FR-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
DETROIT

B. K. ELLIOTT CO. 301 790 1-67•



FIRST FLOOR PLAN (EAST HALF)

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

REVISIONS	DATE	BY	PROJ. NO.	ADD.#
ISSUED FOR	6-16-67	K.E.		
#10	6-9-67	K.E.		
#9	6-9-67	K.E.		
#5	6-28-67	K.E.		
NOT MARKED GENERAL CONTRACT CONSTR.	12-6-67	K.E.		
PLUMBING WORK CONTRACT REVISED, ADD'S & SPECS	10-3-67	K.E.		
ALL CONTRACTS, BIDS-SPECS	9-25-67	K.E.		
ISSUED FOR	DATE			

PROJECT DIRECTOR C. B. McGREW
DESIGNED BY J.H.K.
DRAWN BY J.W.C.
CHECKED BY A.J.F./J.H.K.
DATE SEP. 25, 1967
APPROVED
IN CHARGE K. ESWE
DIRECTOR - OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC. architects engineers DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH. 139-192 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE

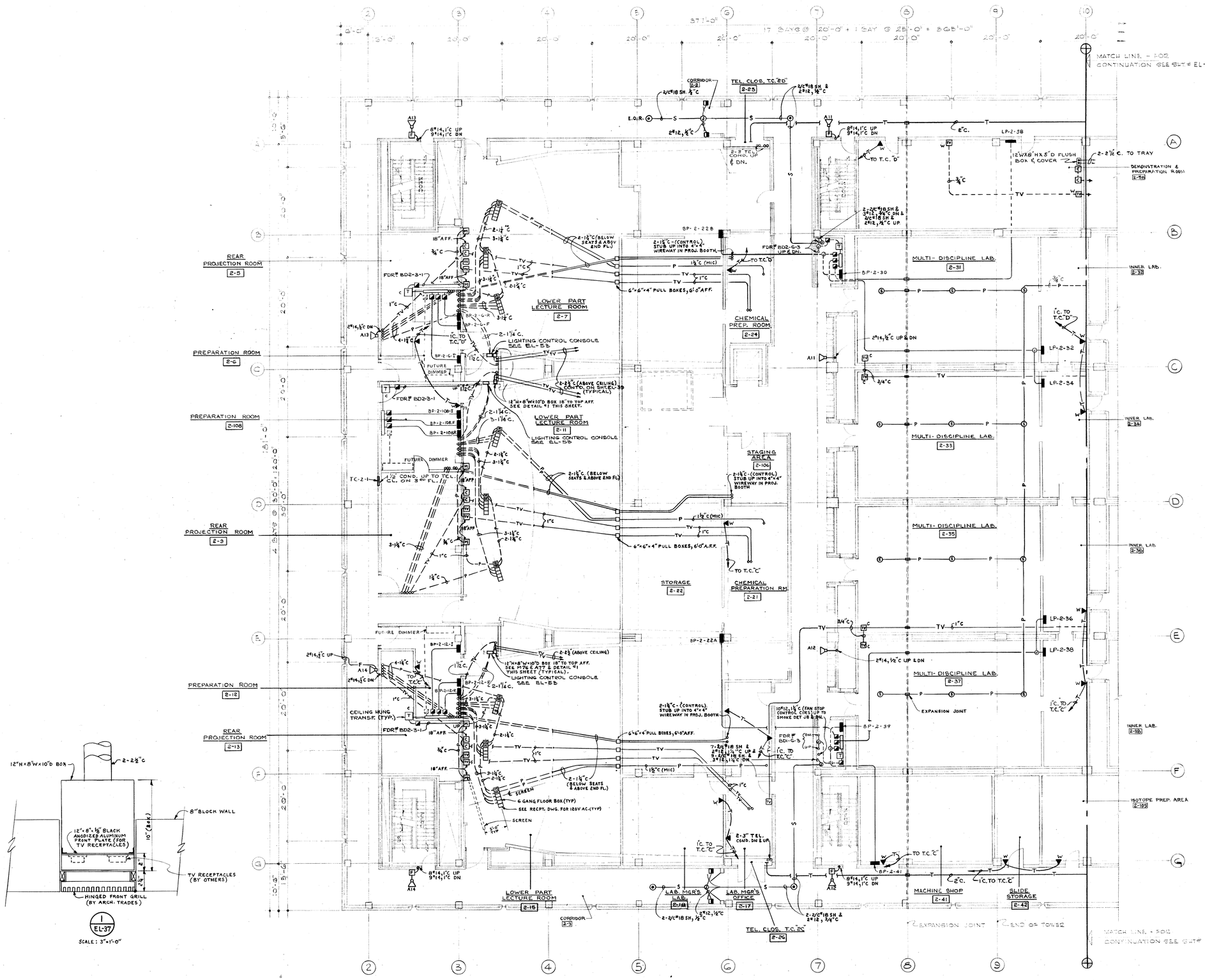
JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. IANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED
ACCOUNT NO. 100-1590-250-026
SHEET TITLE 1ST. FLR. - EAST HALF PWR. DIST. & MISC. SYST LAYOUT

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-36

B. K. ELLIOTT CO. 301 795 1-69*



SECOND FLOOR PLAN (WEST HALF)

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

NO.	DATE	REVISIONS	BULL. NO.	BY	DATE	ISSUED FOR REVISIONS
12.2.67	12-4-67	GENERAL CONTRACT CONSTR. PREPARED BIDS SPACE	13-67			
9.25.67	12-4-67	ALL CONTRACTS BIDS-SPEC				

PROJECT DIRECTOR C.B. McGREW | IN CHARGE K. ESWE | DRAWN BY F.J.B./J.W.C. | CHECKED BY A.J.F./J.H.K. | DATE SEPT. 25, 1967 | APPROVED BY | DIRECTOR, BUREAU OF CAPITAL PROGRAMS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW: CONSTRUCTION ☐ FINAL RECORD ☐ | ISSUED ☐☐☐ | ACCOUNT NO. 100-1590-230-026

SHEET TITLE: 2nd FLR. - WEST HALF PWR. DIST. & MISC SYST. LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-37

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH. 120-152 RESEARCH FACILITIES AND RESOURCES
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE FR-154

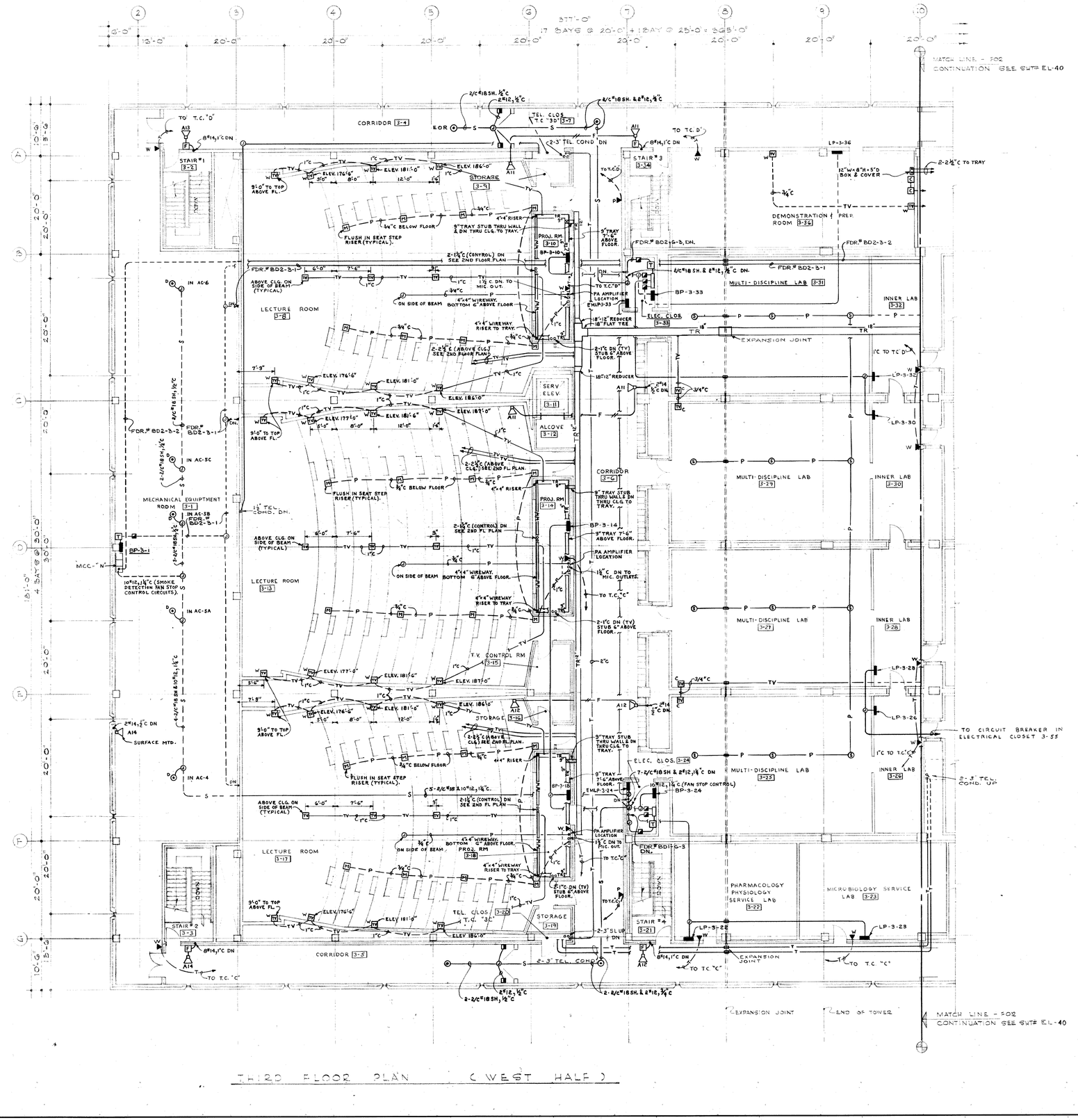
JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

B. K. ELLIOTT CO. 301 780 1-67+

SECOND FLOOR PLAN (EAST HALF)

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

B. K. ELLIOTT CO. 301 790 1-67+



THIRD FLOOR PLAN (WEST HALF)

PROJECT DIRECTION	DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED
R. B. McGREW	K. E. SAHS	F. J. B. / J. W. C.	A. J. F. / J. H. K.	SEP. 25, 1967

ISSUED	DATE	BY	REVISIONS
12-4-67		K.E.	ADD #1
ISSUED FOR PERMITS, WORK, EQUIPMENT BIDS - SPECS			
9-25-67			
ISSUED FOR ALL CONTRACTS BIDS-ADDENDUM NO. 3			

12-4-67		K.E.	ADD #1
ISSUED FOR PERMITS, WORK, EQUIPMENT BIDS - SPECS			
9-25-67			
ISSUED FOR ALL CONTRACTS BIDS-ADDENDUM NO. 3			
DATE		BY	REVISIONS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC. architects engineers MICHIGAN

DETROIT

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES SERVICE M.CH.-39-152. RESEARCH FACILITIES NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW
CONSTRUCTION
FINAL RECORD

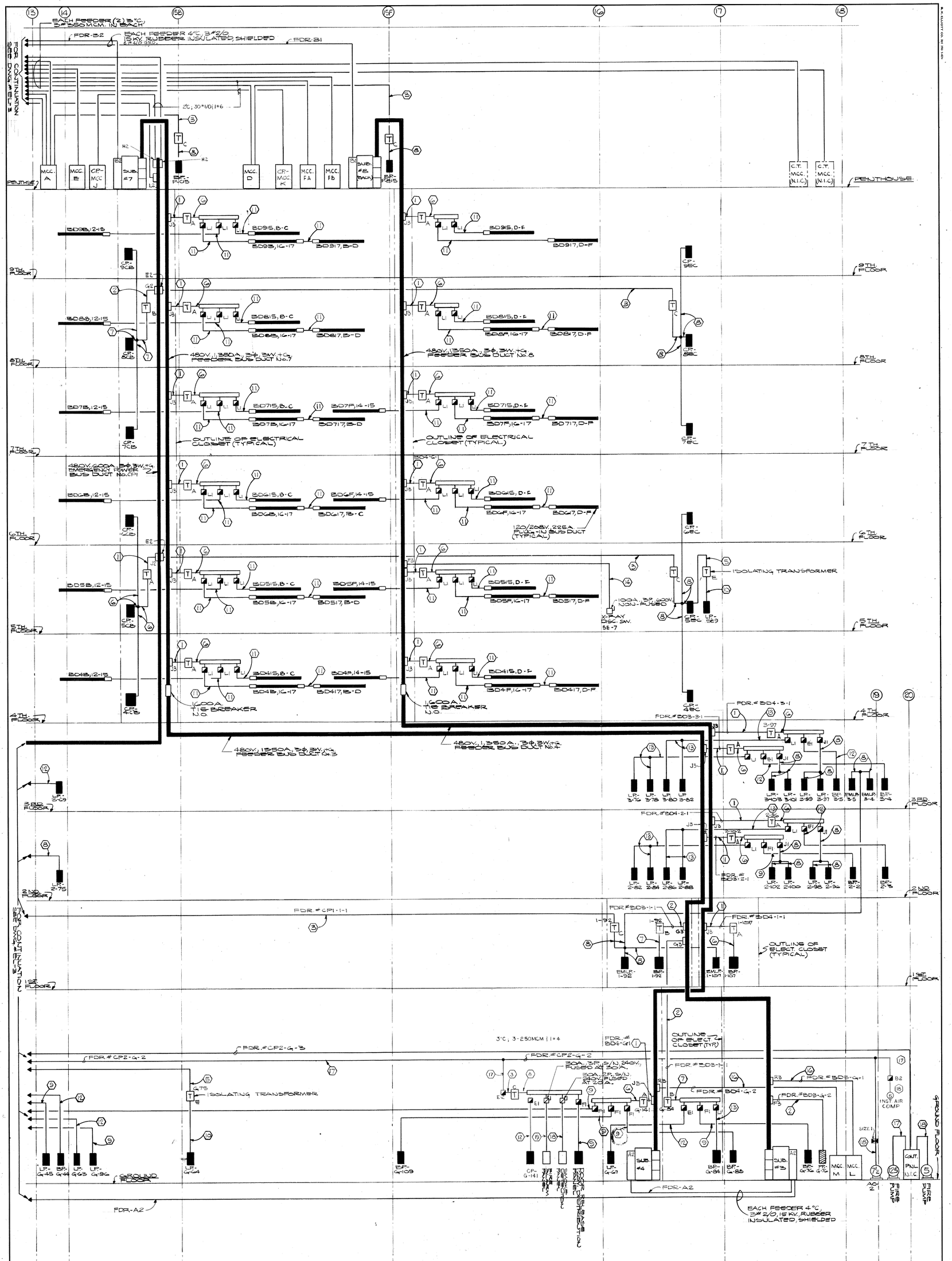
ISSUED

ACCOUNT NO. 100-1590-250-026

3rd. FLR. - WEST HALF PWR. DIST. & MISC. SYST. LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-39



POWER & LIGHTING RISER DIAGRAM - PART III
N.T.S.

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW	☐	ISSUED
CONSTRUCTION	☐	
FINAL RECORD	☐	ACCOUNT NO. 100-1590-250-026

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-4
SHEET TITLE: POWER & LIGHTING RISER DIAGRAM

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

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architects engineers
MICHIGAN

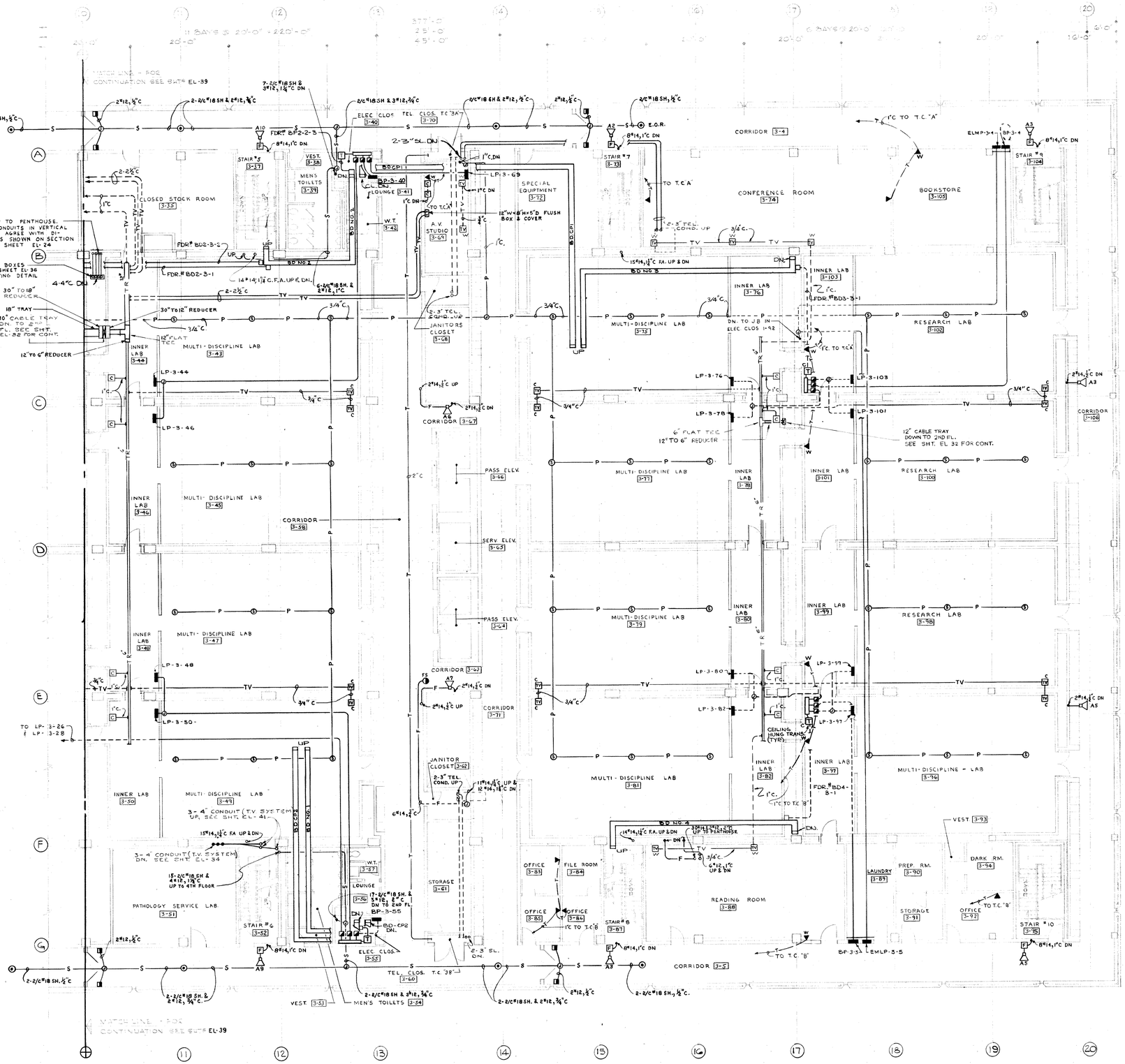
JOHN WILLIAMS AND ASSOCIATES
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CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: FR-152

PROJECT DIRECTOR	C. B. McGREW
IN CHARGE	K. ESMB
DESIGNED BY	E.L. Sp.
DRAWN BY	R.J. COMSTOCK
CHECKED BY	K.E.
DATE	SEP. 25, 1967
APPROVED	
DIRECTOR - BUREAU OF MEDICINE	
DIRECTOR - BUREAU OF CAPITAL PROGRAMS	

DATE	ISSUED FOR	REVISIONS	DATE	ISSUED FOR	REVISIONS
NOT ISSUED	GENERAL CONTRACT-CONSTR.	6-28-67 K.E. 3			
12-6-67	PLUMBING WORK CONTRACT (REVISED) BIDS-SPEC.	12-6-67			
10-20-67	ALL CONTRACTS, BIDS. ADD.#3	10-20-67 K.E. ADD#3			
10-9-67	ALL CONTRACTS-BIDS-ADD. #1	10-9-67 K.E. ADD #1			
9-25-67	ALL CONTRACTS-BIDS-SPECS.	DATE BY MISC. NO.			

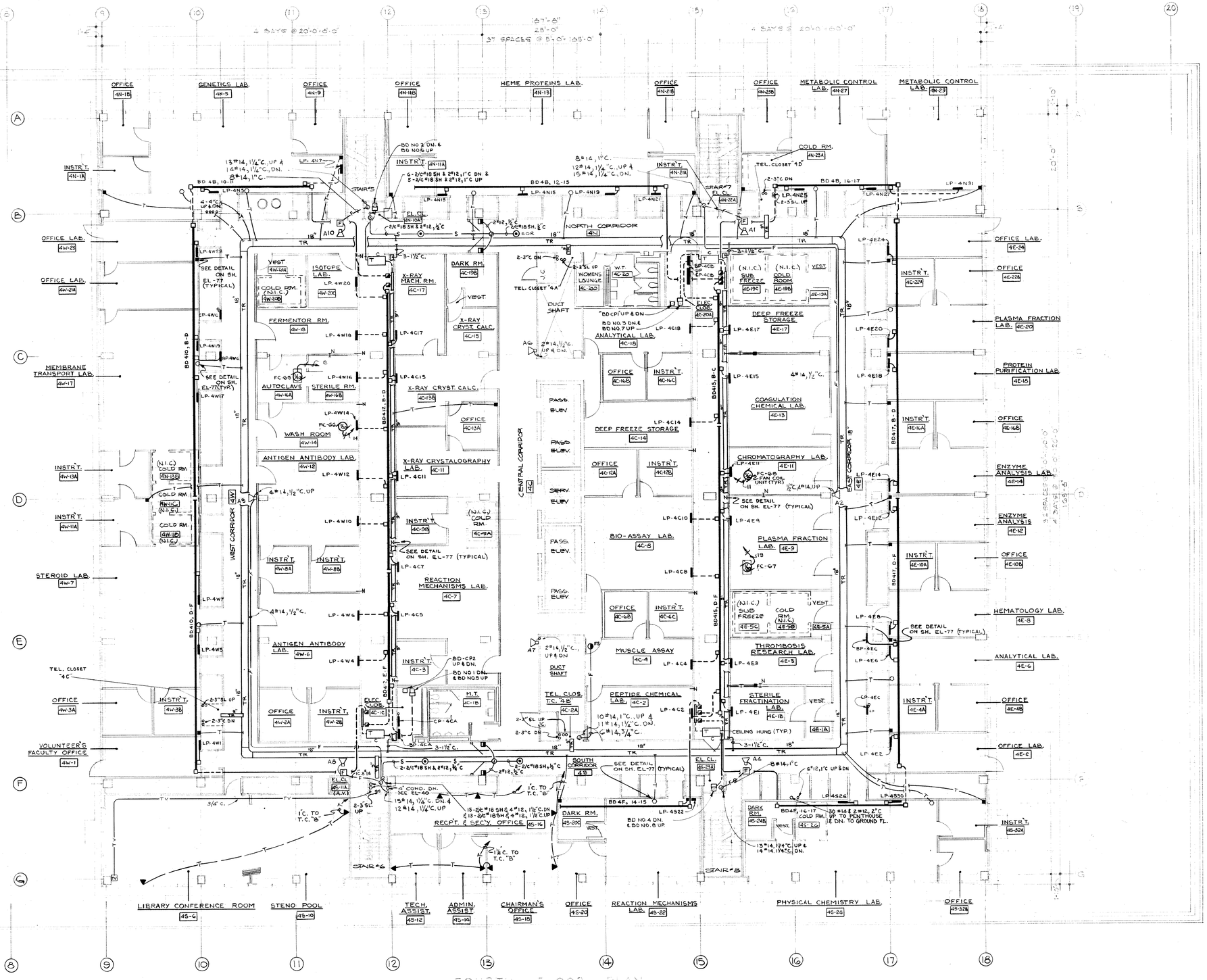
B. K. ELLIOTT CO. 301 790 1-67+



T-2D FLOOR PLAN (EAST HALF)

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

W. K. ELLIOTT CO. 301 790 1-67



FOURTH FLOOR PLAN
SCALE 1/8"=1'-0"

PROJECT DIRECTOR C. B. McGREW	IN CHARGE K. ESME		
DESIGNED BY A.F./K.E./R.H.	DRAWN BY A.F./K.E./J.A.R.		
CHECKED BY A.J.F./K.E.	DATE SEP. 25, 1967		
APPROVED			

4-5-68	ADDENDUM #3	8	29	
12-4-67	PLUMBING WORK CONTRACT			
9-25-67	ALL CONTRACTS BIDD SPECS.	DATE	BY	BUL. NO.
DATE	ISSUED FOR	REVISIONS		

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐ ISSUED

ACCOUNT NO. 100-1590-250-026

SHEET TITLE 4th FLR. - POWER DIST. & MISC. SYSTEMS LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-41

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

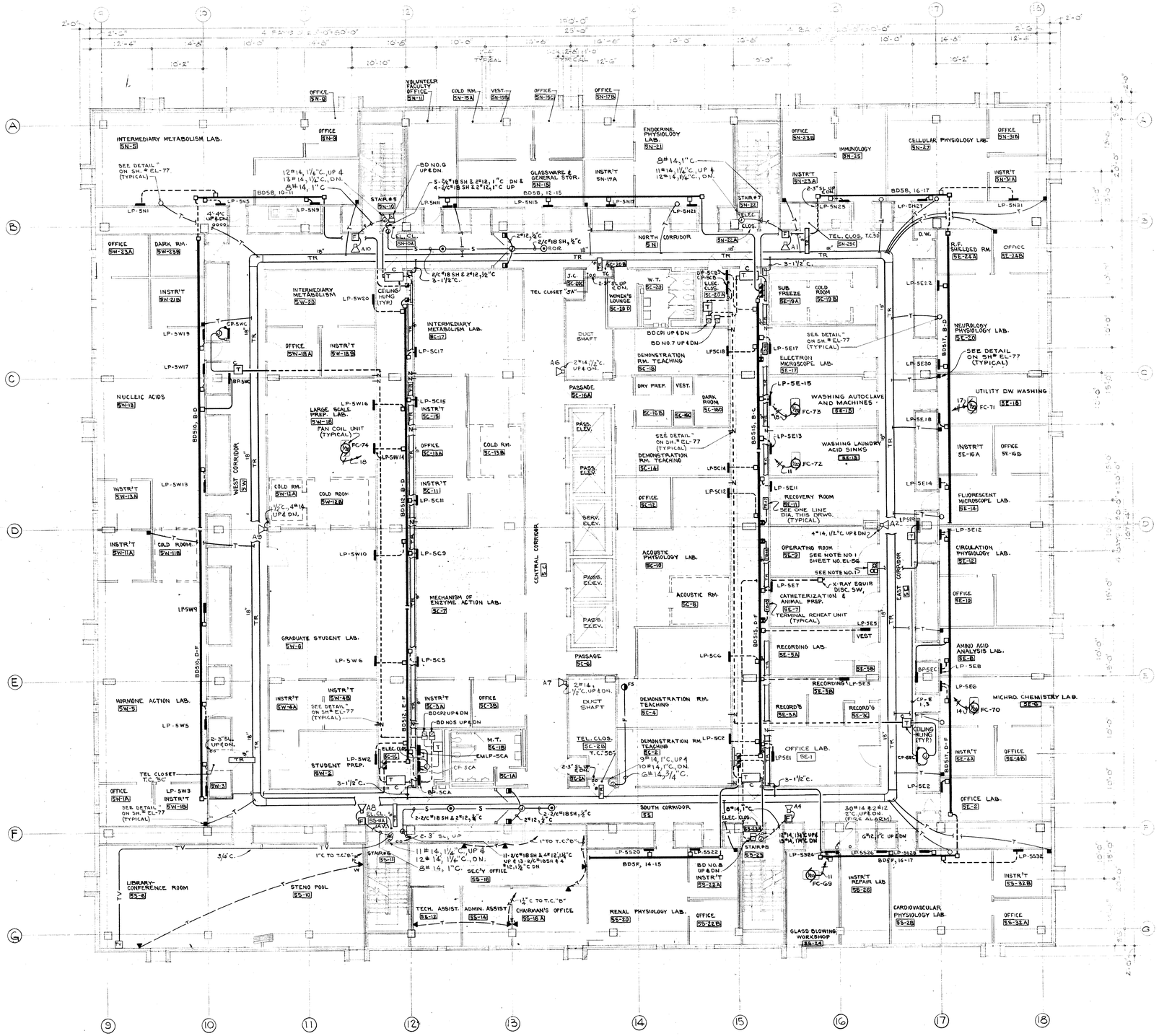
DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE PA-182

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

B. K. ELLIOTT CO. 301 796 1-67•

NOTE

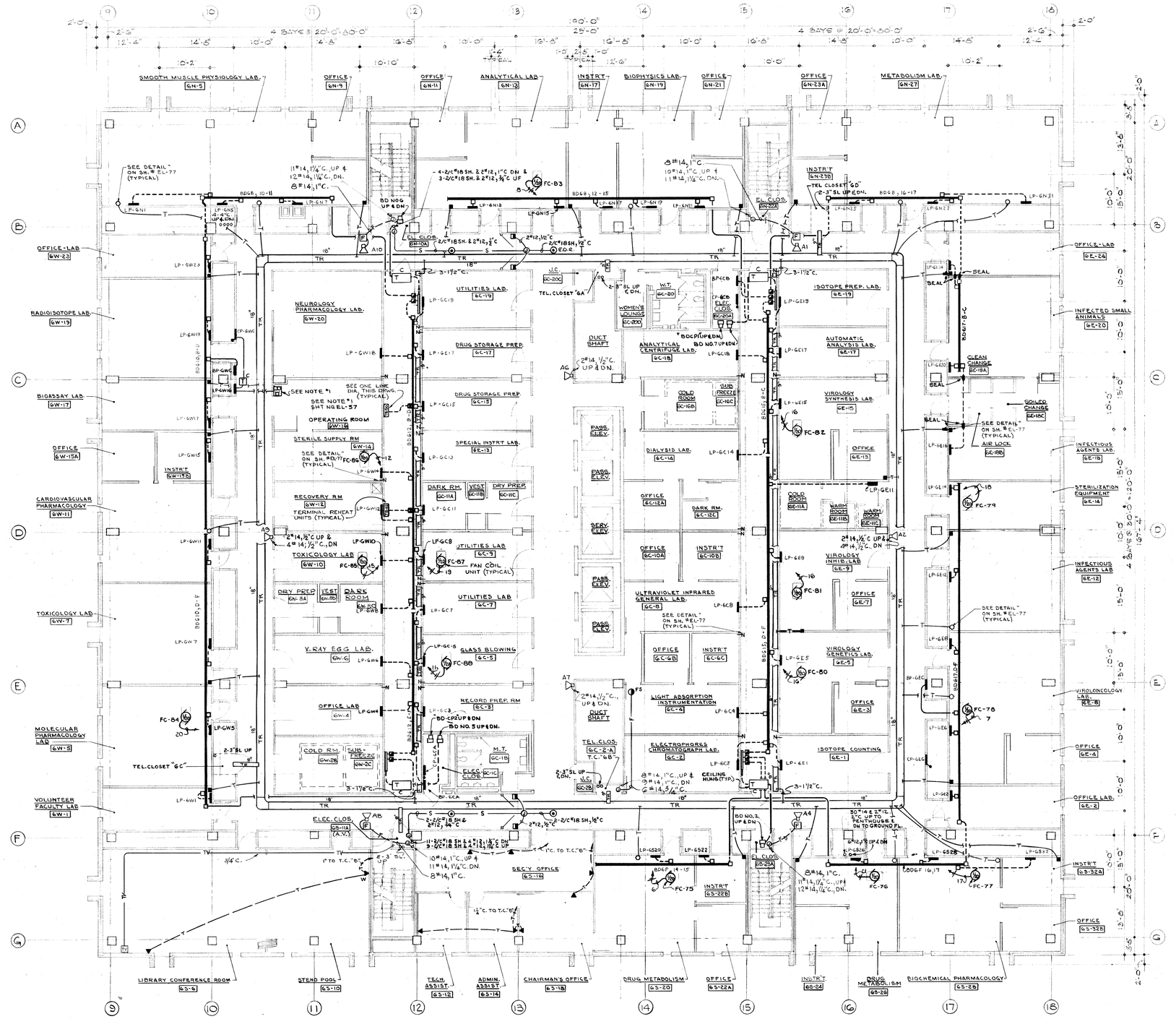
1. GROUND INDICATION SIGNAL LIGHTS & GROUND ALARM BELL MOUNTED 7'-6" ABOVE FLOOR. LIGHTS & BELL ARE TO BE INSTALLED IN ACCORDANCE WITH ARTICLE 517-G PARAGRAPH (D) OF THE N.E.C.


INTERMEDIARY METABOLISM LAB. SN-5
OFFICE SN-8
OFFICE SN-9
VOLUNTEER FACULTY OFFICE SN-11
COLD RM. SN-15A
VEST. SN-15B
OFFICE SN-15C
OFFICE SN-17A
ENDOCRINE PHYSIOLOGY LAB. SN-21
GLASSWARE & GENERAL STOR. SN-15
INSTR'T SN-17A
IMMUNOLOGY SN-25
CELLULAR PHYSIOLOGY LAB. SN-27
OFFICE SN-31A
OFFICE SN-23A
OFFICE SN-23B
NORTH CORRIDOR SN
OFFICE SN-29A
DARK RM. SW-23B
INSTR'T SW-21B
INTERMEDIARY METABOLISM SW-20
INTERMEDIARY METABOLISM LAB. SC-17
OFFICE SW-18A
INSTR'T SW-18B
NUCLEIC ACIDS SW-18
LARGE SCALE PREP. LAB. SW-16
FAN COIL UNIT (TYPICAL)
OFFICE SC-15A
COLD RM. SC-15B
WEST CORRIDOR SW
INSTR'T SW-13A
COLD RM. SW-12A
COLD ROOM SW-12B
INSTR'T SW-11A
COLD ROOM SW-11B
MECHANISM OF ENZYME ACTION LAB. SC-7
GRADUATE STUDENT LAB. SW-6
HORMONE ACTION LAB. SW-5
INSTR'T SW-9A
INSTR'T TEACHING SW-9B
STUDENT PREP. SW-2
OFFICE SW-1A
INSTR'T SW-1B
TEL CLOSET SW-3
LIBRARY-CONFERENCE ROOM SS-6
STENO POOL SS-10
TECH. ASSIST. ADMIN. ASSIST SS-12
CHAIRMAN'S OFFICE SS-16 A
SEC'Y OFFICE SS-16
OFFICE SC-9
ACOUSTIC PHYSIOLOGY LAB. SC-10
ACOUSTIC RM. SC-8
PASSAGE SC-6
DEMONSTRATION RM. SC-4
DEMONSTRATION RM. TEACHING SC-2
DEMONSTRATION RM. TEACHING SC-14
DEMONSTRATION RM. TEACHING SC-16
PASSAGE SC-16A
DRY PREP. SC-16B
DARK ROOM SC-16C
WOMEN'S LOUNGE SC-19B
W.T. SC-20
J.C. SC-20A
TEL CLOSET SC-19A
DUCT SHAFT
SUB FREEZER SE-19A
COLD ROOM SE-19B
ELECTRON MICROSCOPE LAB. SE-17
WASHING AUTOCLAVE AND MACHINES SE-15
WASHING LAUNDRY ACID SINKS SE-13
RECOVERY ROOM SC-11
OPERATING ROOM SC-9
CATHETERIZATION & ANIMAL PREP. SE-7
TERMINAL REHEAT UNIT (TYPICAL)
RECORDING LAB. SE-5A
RECORD'G SE-5B
RECORD'G SE-5C
RECORDING SE-3
OFFICE LAB. SE-1
SOUTH CORRIDOR SS
RENAL PHYSIOLOGY LAB. SS-20
OFFICE SS-22 B
GLASS BLOWING WORKSHOP SS-24
INSTR'T REPAIR LAB SS-26
CARDIOVASCULAR PHYSIOLOGY LAB. SS-28
OFFICE SS-32 A
INSTR'T SS-32 B
OFFICE SS-32
D.W.
R.F. SHIELDED RM. SE-24A
OFFICE SE-24B
NEUROLOGY PHYSIOLOGY LAB. SE-20
UTILITY DW WASHING SE-21B
INSTR'T SE-16A
OFFICE SE-16B
FLUORESCENT MICROSCOPE LAB. SE-14
CIRCULATION PHYSIOLOGY LAB. SE-12
OFFICE SE-10
AMINO ACID ANALYSIS LAB. SE-8
MICRO. CHEMISTRY LAB. SE-6
OFFICE SE-4A
OFFICE SE-4B
OFFICE LAB. SE-2
EAST CORRIDOR SE
CENTRAL CORRIDOR SC
BD 515, B-C
BD 515, B-D
BD 515, D-F
BD 512, E-F
BD 517, B-D
BD 517, D-F
BD 58, 10-11
BD 58, 12-15
BD 58, 16-17
BD 5F, 14-15
BD 5F, 16-17
LP-SN1
LP-SN5
LP-SN9
LP-SN11
LP-SN15
LP-SN17
LP-SN21
LP-SN25
LP-SN27
LP-SN31
LP-SW1
LP-SW3
LP-SW5
LP-SW6
LP-SW9
LP-SW10
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LP-SW19
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LP-SC1
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LP-SC18
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LP-SE20
LP-SE22
LP-SS1
LP-SS2
LP-SS3
LP-SS5
LP-SS6
LP-SS11
LP-SS12
LP-SS20
LP-SS22
LP-SS24
LP-SS26
LP-SS28
LP-SS32
STAIR #5 SN-10
STAIR #7 SN-22
STAIR #8 SS-11
STAIR #9 SS-25
ELEC. CL. SN-10A
ELEC. CLOS. SC-20A
ELEC. CLOS. SC-20
TEL. CLOS. SC-20 T.C. 50
TEL. CLOS. SN-25C T.C. 50
ELEC. CLOS. SC-1C
ELEC. CLOS. SS-11A
CEILING HUNG (TYP.)
CP-SWC
CP-SCA
CP-SEC
CP-E
BP-SWC
BP-SCA
BP-SEC
M.T. SC-18
EMLP-SCA
SEE DETAIL "A" ON SH.# EL-77 (TYPICAL)
SEE ONE LINE DIA. THIS DRWG. (TYPICAL)
SEE NOTE NO.1 SHEET NO. EL-56
SEE NOTE NO.1
X-RAY EQUIP. DISC. SW.
FC-69
FC-70
FC-71
FC-72
FC-73
FC-74
A1
A2
A3
A4
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A47
A48
A49

B.K. ELLIOTT CO. 301 750 1-67+

NOTE

1. GROUND INDICATION SIGNAL LIGHTS & GROUND ALARM BELL MOUNTED 7'-6" ABOVE FLOOR. LIGHTS & BELL ARE TO BE INSTALLED IN ACCORDANCE WITH ARTICLE 517-G, PARAGRAPH (D) OF THE N.E.C.



BDG12, B-D
3#12, 1#14 3/4"C.
SIZE 2 COMB. MAGNETIC CONTACTOR
3770 WATTS
TB-49; RM. 6W-12
TB-50; RM. 6W-16

TERMINAL REHEAT UNITS ONE LINE DIAGRAMS

SIXTH FLOOR PLAN
SCALE: 1/8"=1'-0"

NORTH

REVISIONS	DATE	BY	APP'D
ISSUED FOR	12-2-65		
ISSUED FOR	12-6-67		
ISSUED FOR	9-25-67		

PROJECT DIRECTION C.B. McGREW — IN CHARGE K. ESHE
DESIGNED BY A.S.T./J.R.F. — DRAWN BY F.J.R./J.R.F.
CHECKED BY A.S.T./K.E. — DATE SEP. 25, 1967
APPROVED — SUPERVISING ENGINEER

ADD'N #1 K.E. 10-9-67 — ADD'N #2 K.E. 12-6-67 — BID & CONTRACT 12-26-67

ISSUED FOR: 12-2-65 GENERAL CONTRACT CONSTR.; 9-25-67 ALL CONTRACTS-BID-ADDEND. #1, PREPARED; 12-6-67 ALL CONTRACTS-BIDS-SPECS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH.-129-152 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE FR-152

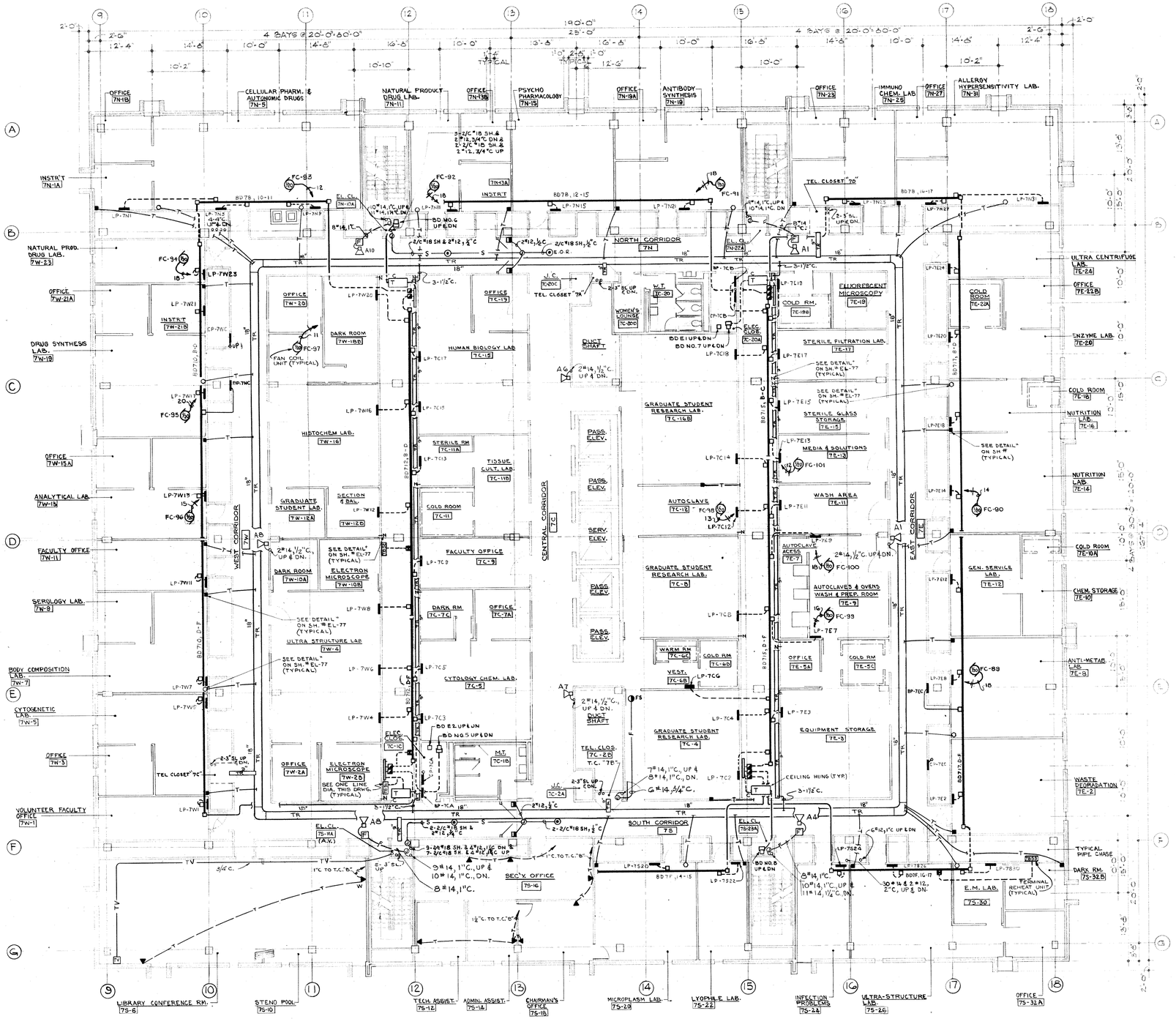
JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

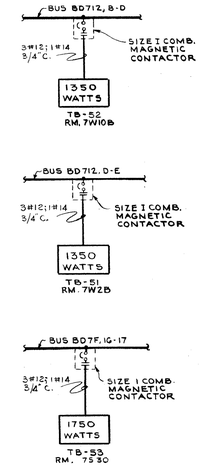
REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: 8th FLR. - POWER DIST. & MISC. SYSTEMS LAYOUT

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-43

B. K. ELLIOTT CO. 301 750 1-67+



SEVENTH FLOOR PLAN
SCALE: 1/8"=1'-0"



TERMINAL REHEAT UNITS
ONE LINE DIAGRAMS

REVISIONS	DATE	BY	APPD.
ISSUED FOR	12-2-66	K.E.	ADDN'S
REVISIONS	12-4-67	K.E.	ADDN'S
ISSUED FOR	10-9-67	K.E.	ADDN'S
ISSUED FOR	9-25-67		

PROJECT DIRECTOR: C. B. McGREW
IN CHARGE: K. ESHE
DESIGNED BY: A.J.F./J.R.F.
DRAWN BY: R.J.B./J.R.F.
CHECKED BY: A.J.F./K.E.
APPROVED
DATE: SEP. 25, 1967
ISSUED FOR CONSTR. PERMIT
REVISED ALL CONTRACTS-BIDS-ADD'NS
REVISED ALL CONTRACTS BIDS-ADDENDUM
ISSUED FOR ALL CONTRACTS BIDS-SPECS
DRAWING NO. OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 123-152; RESEARCH FACILITIES AND RESOURCES; NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE: FR-1162

DEIN, WILLIAMS AND ASSOCIATES
ARCHITECTS - MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

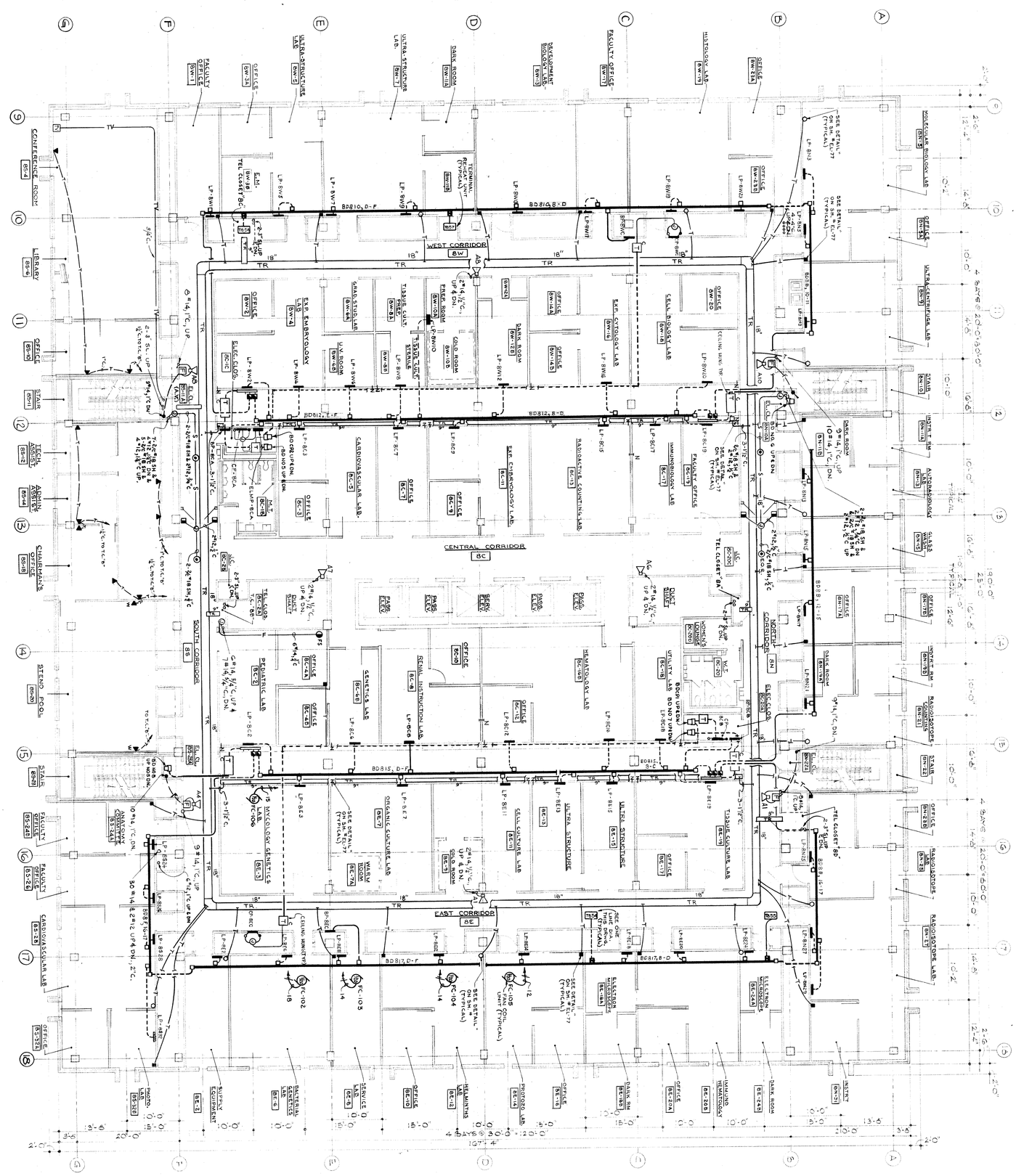
STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐
FINAL RECORD ☐ ACCOUNT NO. 100-1590-250-026

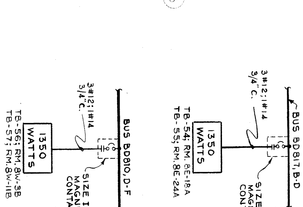
SHEET TITLE: 7th FLR. - POWER DIST. & MISC. SYSTEMS LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-44



TERMINAL REHEAT UNITS ONE LINE DIAGRAMS



ARCHITECTS JOB NO.	66-121		
SHEET NO.	EL-45		

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW	☐	ISSUED	
CONSTRUCTION	☐		
FINAL RECORD	☐	ACCOUNT NO. 100-1590-250-026	

SHEET TITLE
8th FLR. – POWER DIST. & MISC. SYSTEMS LAYOUT

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
DETROIT
architects engineers MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES; PUBLIC HEALTH SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES; NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE: FR-152

PROJECT DIRECTOR	C. B. McGREW
IN CHARGE	K. CSMC
DESIGNED BY	A.J.F./J.R.F.
DRAWN BY	F.J.B./J.R.F.
CHECKED BY	A.J.F./K.E.
DATE	SEP. 25, 1967
APPROVED	
APPROVED	
DIRECTOR - OFFICE OF CAPITAL PROGRAMS	
DATE	

ISSUED FOR	DATE	BY	BULL. NO.
12-2-65 GENERAL CONTRACT CONSTR.	12-2-65	E	BULL. 6
12-6-67 PLUMBING WORK CONTRACT (REVISED) BIDS-SPEC.	12-6-67		
9-25-67 ALL CONTRACTS-BIDS-SPECS			

DATE	ISSUED FOR	REVISIONS

B. K. ELLIOTT CO. 301 790 1-67+

TERMINAL REHEAT UNITS ONE LINE DIAGRAM

NINTH FLOOR PLAN

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

10-6-67	PLUMBING WORK CONTRACT (REVISED) BIDS - SPECS	K.E.	ADD'TS
NOV. 1966	ALL CONTRACTS BIDS-SPECS	DATE	REVISIONS
9-25-61	ALL CONTRACTS BIDS-SPECS	DATE	ISSUED FOR

PROJECT DIRECTION C. B. McGREW — IN CHARGE K. ESMIE — DESIGNED BY A.J.F., J.R.F. — DRAWN BY A.J.F., J.R.F. — CHECKED BY A.J.F./K.E. — DATE SEP. 25, 1967 — APPROVED

DIRECTION - OFFICE OF CAPITAL PROGRAMS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐ — ISSUED — ACCOUNT NO. 100-1590-250-026

SHEET TITLE: 9th. FLR. - POWER DIST. & MISC. SYSTEMS LAYOUT

ARCHITECTS JOB NO. 66-121 — SHEET NO. EL-46

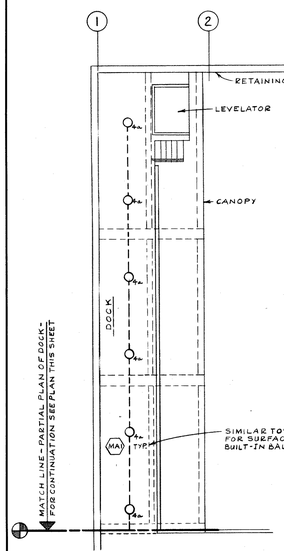
BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC. architects engineers MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 128-152 RESEARCH FACILITIES NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: FR-152

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

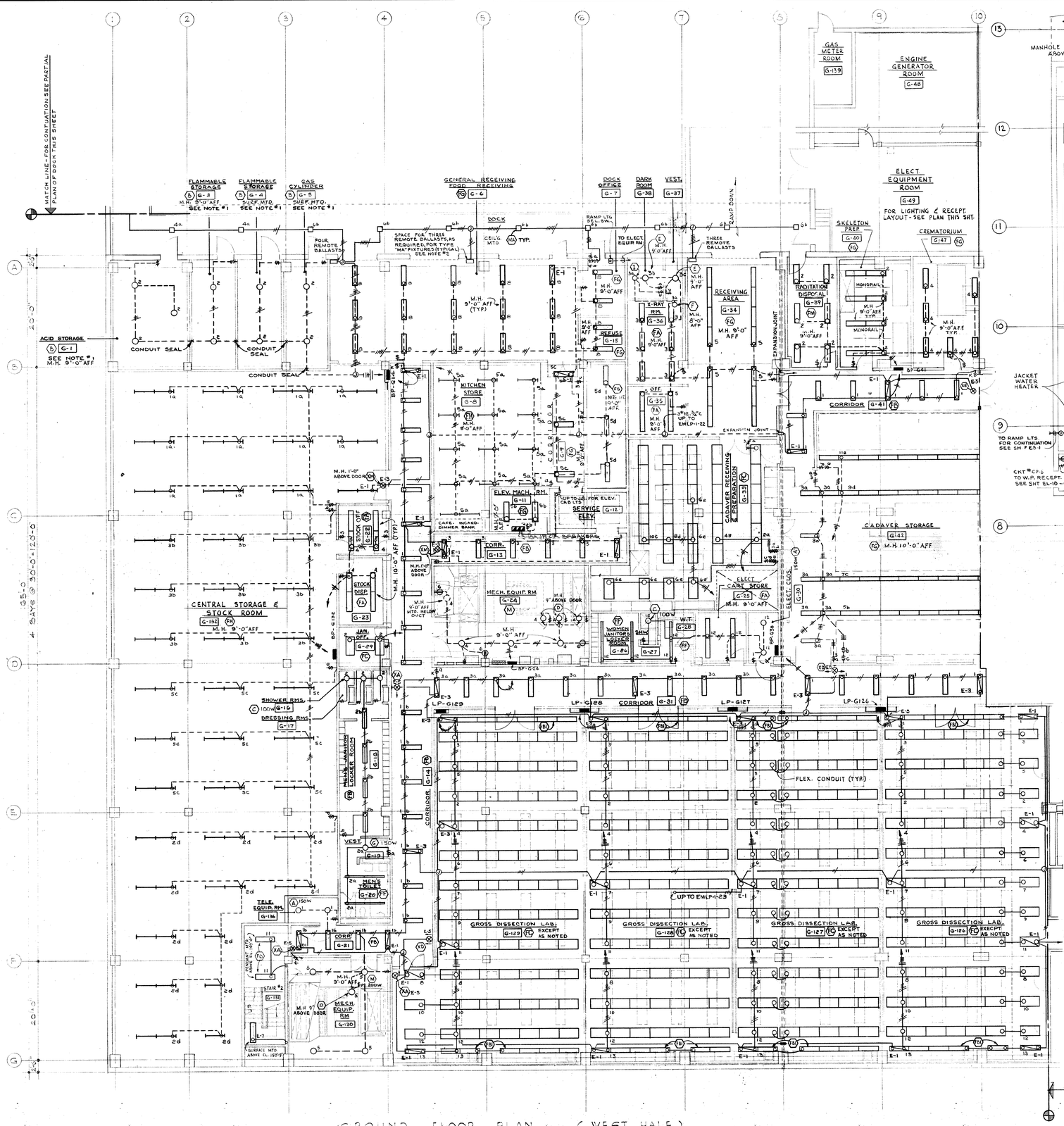
B. K. ELLIOTT CO. 301 770 1-67+



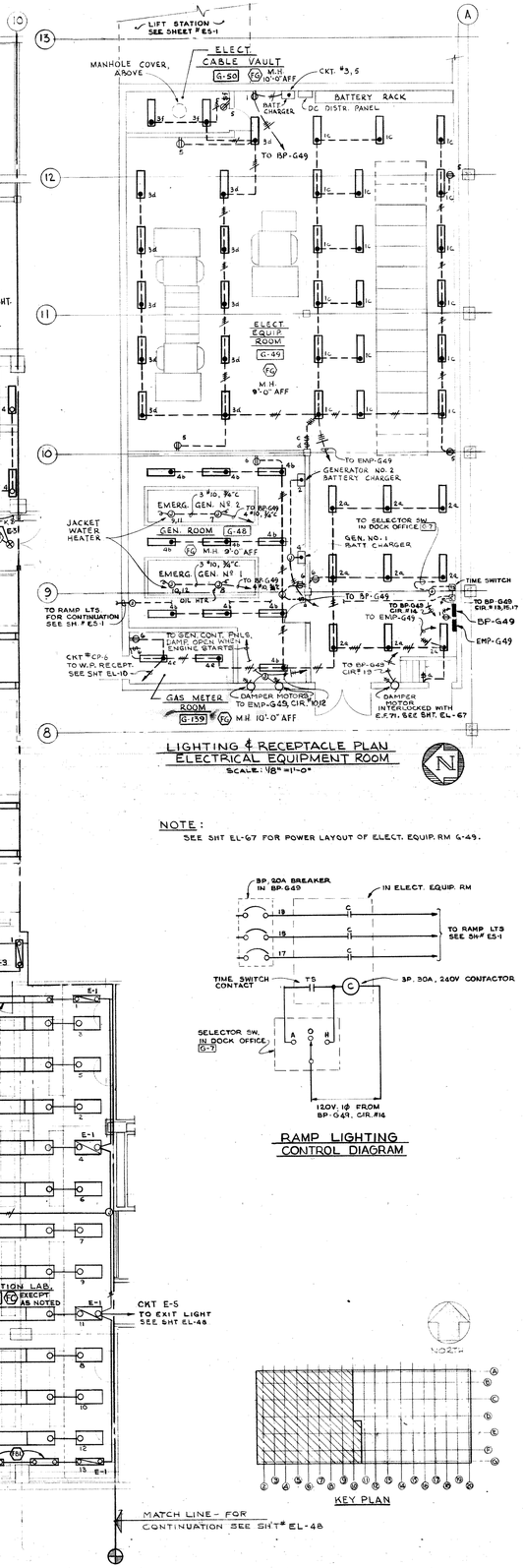
PARTIAL PLAN OF DOCK
SCALE: 1/8"=1'-0"

NOTES:

1. EXPLOSION PROOF AREA - AREA TO BE CLASSIFIED AS CLASS I; DIVISION II; GROUP "B".
2. CONTRACTOR MAY PROVIDE TYPE "MA" FIXTURES WITH INTEGRAL BALLASTS PROVIDING FIXTURE HAS UL LABEL.



GROUND FLOOR PLAN (WEST HALF)
SCALE: 1/8"=1'-0"



LIGHTING & RECEPTACLE PLAN
ELECTRICAL EQUIPMENT ROOM
SCALE: 1/8"=1'-0"

NOTE:
SEE SHT EL-67 FOR POWER LAYOUT OF ELECT. EQUIP. RM G-49.

RAMP LIGHTING CONTROL DIAGRAM

KEY PLAN

NO.	REVISIONS	DATE	BY	APPROVED
	ISSUED FOR	DATE	BY	APPROVED
1	GEN. CONTRACT CONST.	4-12-71	K.E.	
2	GEN. CONT. CONSTR.	2-6-70	K.E.	
3	GEN. CONT. CONSTR.	12-2-68	K.E.	
4	GENERAL CONTRACT-CONSTR.	5-7-68	K.E.	
5	ADDENDUM #1	12-6-67	K.E.	
6	ALL CONTRACTS BIDS-ADDENDUM	10-9-67	K.E.	ADD. #1
7	ALL CONTRACTS-BIDS-SPECS	9-25-67	K.E.	

PROJECT DIRECTOR: C. B. McGREW
IN CHARGE: K. ESME
DESIGNED BY: C.V.Z.
DRAWN BY: E.M.C./G.S.K.
CHECKED BY: C.V.Z.
DATE: SEP. 25, 1967
APPROVED

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGUS, DIRECTOR

REVIEW: CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED ☐☐
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: GROUND FLOOR - WEST HALF LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-47

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

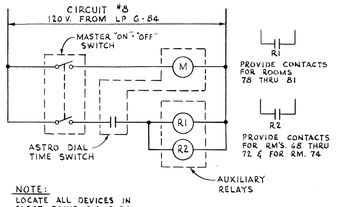
GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH.-129-155. RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

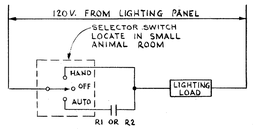
DIRECTOR OF OFFICE OF CAPITAL PROGRAMS

B. K. ELLIOTT CO. 301 790 1-67•



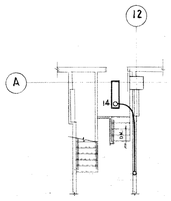
NOTE:
LOCATE ALL DEVICES IN ELECT. EQUIP. RM. G-84

SMALL ANIMAL ROOM TIME SWITCH CONTROL DIAGRAM



3#8 (3#12 - 1¼"C
CCT #27,29,26,28
TO BP-9-41
FOR POWER
CIRCUITING SEE
SH. # EL-11

TYPICAL SMALL ANIMAL ROOM LIGHTING CONTROL DIAGRAM

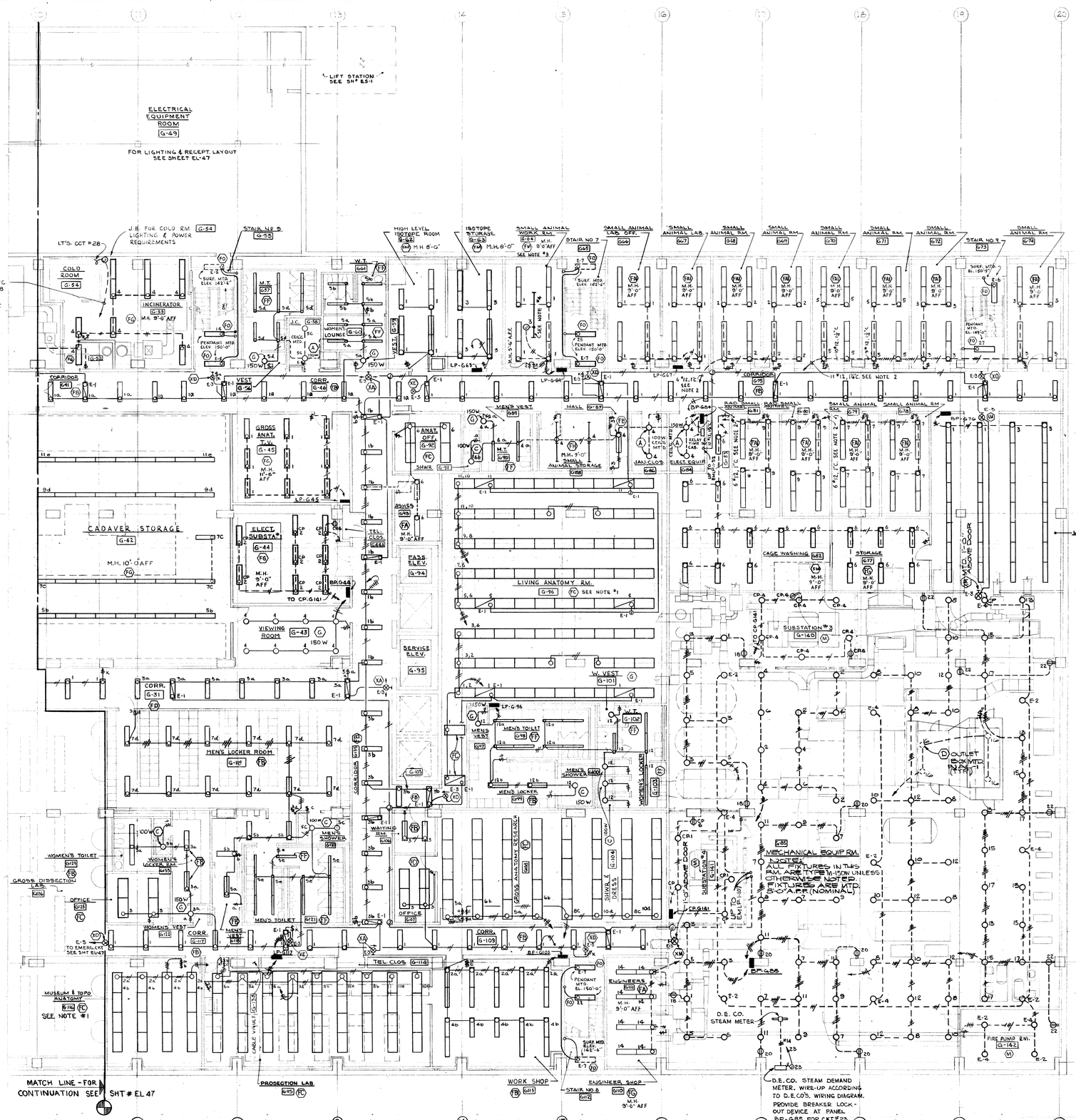


STAIR NO. 5 GROUND FLOOR PART PLAN

SCALE: ⅛" = 1'-0"

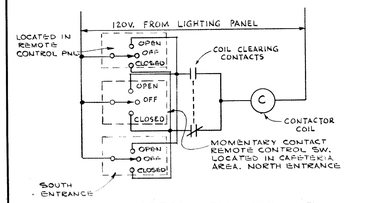
NOTES:

1. WIRE 2 LAMPS IN EACH FIXTURE ON THE DESIGNATED CIRCUITS.
2. RUN CONDUIT TO RELAY & TIME SWITCH CABINET.
3. ALL WIRING IN SMALL ANIMAL WORK ROOM G-64 SHALL BE DONE IN ACCORDANCE WITH ARTICAL 517 OF N.E.C. & VOLUME 2, SECTION 86 OF THE NATIONAL FIRE CODE COVERING FLAMMABLE ANESTHETICS. ROOM SHALL BE CONSIDERED TO BE CLASS I. DIVISION 1. GROUP C LOCATION THROUGHOUT.
4. TRACK FOR FUTURE SURGICAL LIGHT SEE TYPICAL TRACK SECTION & TYPICAL MOUNTING DETAIL ON SHEET NO. EL-56

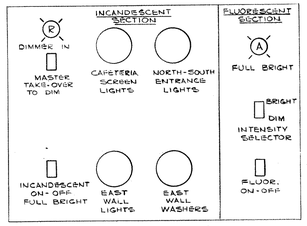


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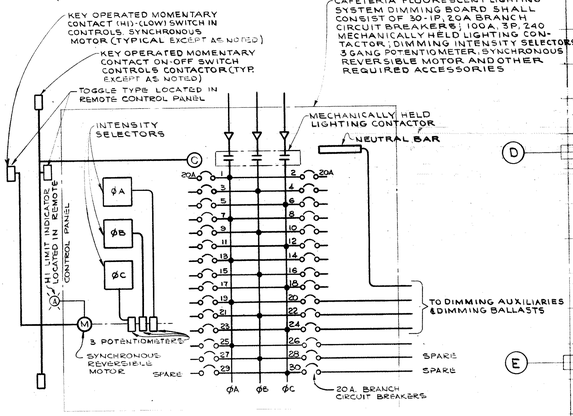
B. K. ELLIOTT CO. 301 750 1-67



CAFETERIA FLUORESCENT LIGHTING CONTROL DIAGRAM (ON-OFF)



DIMMER REMOTE CONTROL STATION
SEE NOTE #5



CAFETERIA FLUORESCENT DIMMING SYSTEM WIRING DIAGRAM

CAFETERIA FLUORESCENT LIGHTING SYSTEM DIMMING BOARD SHALL CONSIST OF 30-P, 20A BRANCH CIRCUIT BREAKERS, 100A. 3P. 240 MECHANICALLY HELD LIGHTING CONTACTOR, DIMMING INTENSITY SELECTORS 3 GANG POTENTIOMETER, SYNCHRONOUS REVERSIBLE MOTOR AND OTHER REQUIRED ACCESSORIES

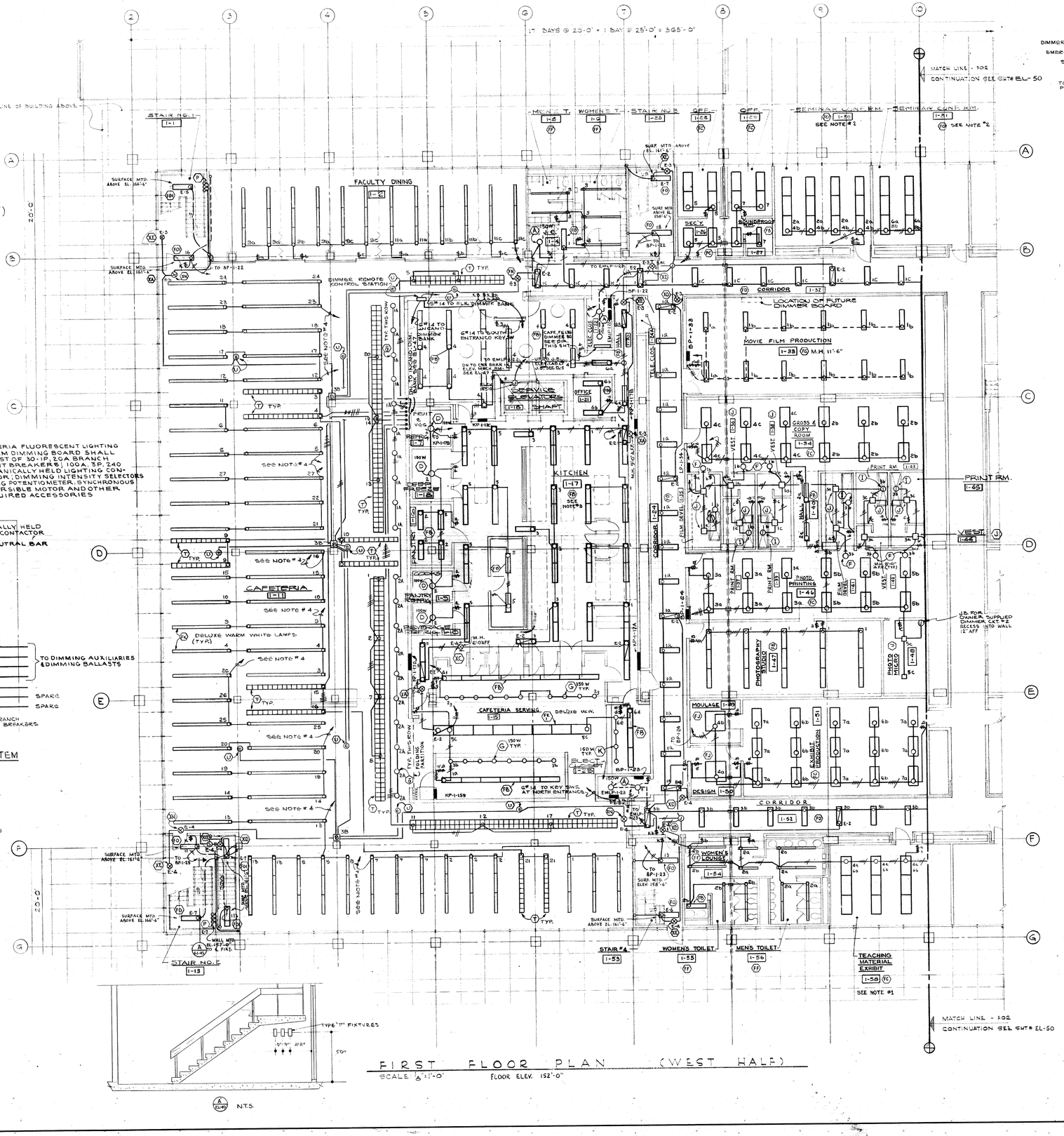
NOTE

CAFETERIA FLUORESCENT LIGHTING DIMMING SYSTEMS SHALL CONSIST OF DIMMING BALLASTS, DIMMING AUXILIARIES, INTENSITY SELECTORS, POTENTIOMETERS, SYNCHRONOUS REVERSIBLE MOTOR, REMOTE CONTROL SWITCHES AND ALL REQUIRED ACCESSORIES. SYSTEM SHALL BE FOR THREE PHASE OPERATION AND LIGHTING LOAD ON INDIVIDUAL PHASES SHALL BE BALANCED. DIMMING CONTROL AND LIGHTING LOAD WIRING SHALL BE DONE ACCORDING TO MANUFACTURER'S WIRING DIAGRAM.

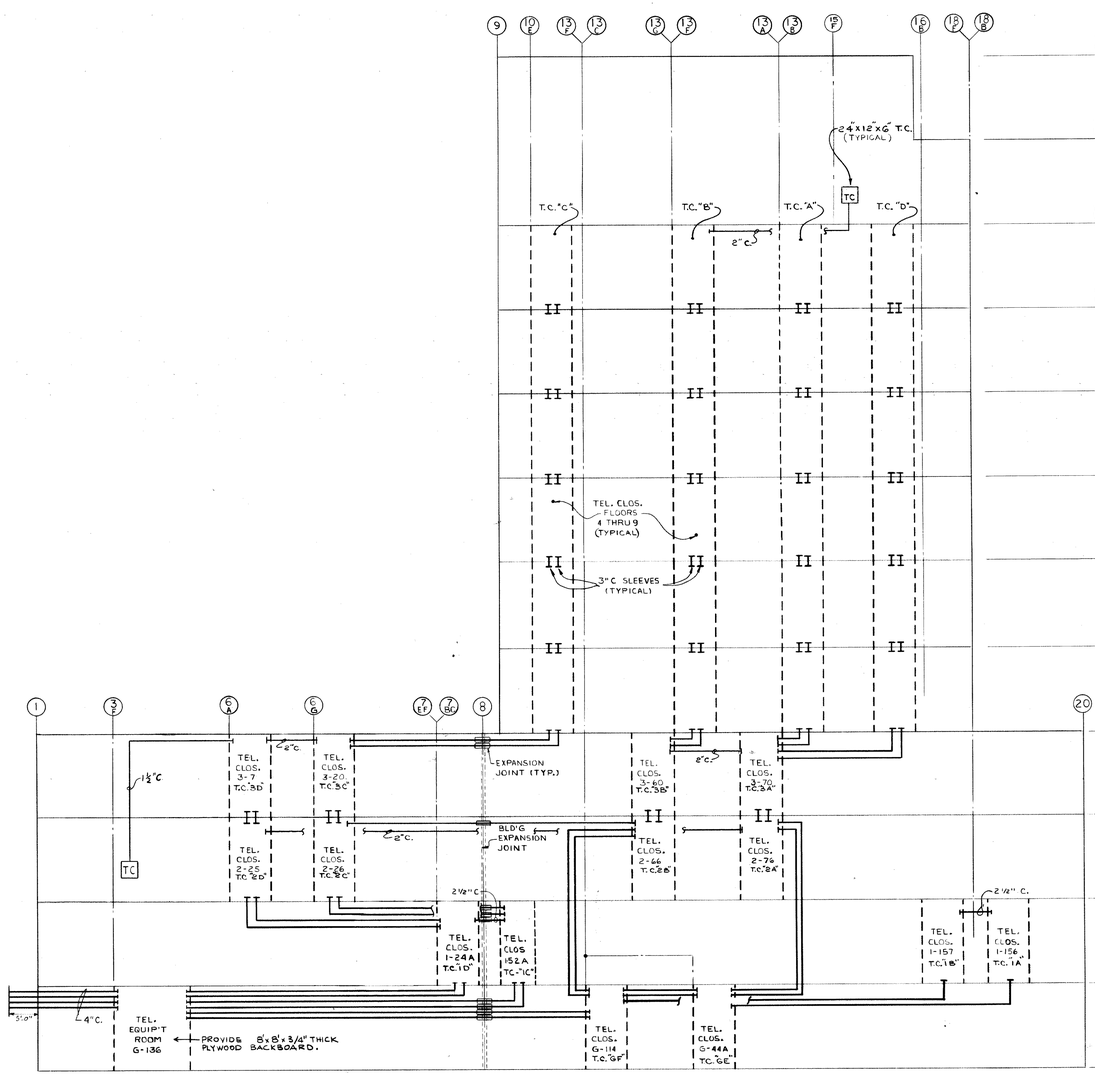
SHOP DRAWINGS OF THE DIMMING SYSTEM COVERING COMPLETE WIRING DIAGRAMS, PLANS AND DETAILS SHALL BE SUBMITTED FOR APPROVAL.

GENERAL NOTES:

3. FOR KITCHEN PANEL SCHEDULES SEE SHT. EL-GG.
4. HOME RUN CONDUIT & WIRES TO CAFETERIA FLUORESCENT LIGHTING DIMMER BOARD IN ELECT. CLOSET # 1-22. SEE BLOCK DIAGRAM, THIS SHEET.
5. REMOTE CONTROL STATION SHALL BE LOCATED IN A FULLY RECESSED CABINET. CABINET SHALL BE EQUIPPED WITH A DOOR CONCEALED HINGE & LOCK. EXTERIOR FINISH OF CABINET DOOR & TRIM SHALL BE AS SELECTED BY THE ARCHITECT. NAME TAGS SHALL BE PROVIDED TO IDENTIFY RESPECTIVE CONTROLS.


17 BAYS @ 20'-0" = 1 BAY @ 25'-0" = 365'-0"
LINE OF BUILDING ABOVE
STAIR NO. 1
1-1
MEN'S T.
WOMEN'S T.
STAIR NO. 2
OFF.
REMNANT CONST. RM.
SEE NOTE #2
FACULTY DINING
1-2
DIMMER REMOTE CONTROL STATION
CORRIDOR
1-32
LOCATION OF FUTURE DIMMER BOARD
MOVIE FILM PRODUCTION
1-38
M.H. 11'-6"
PRINT RM.
1-45
VEST.
1-44
KITCHEN
1-17
SEE NOTE #3
CAFETERIA
1-11
SEE NOTE # 4
DELUXE WARM WHITE LAMPS (TYP.)
SERVICE BLOCK SHAFT
OFFICE
1-21
COOKS
1-15
CAFETERIA SERVING
1-18
DELUXE W.W.
DESIGN
1-50
PHOTOGRAPHY STUDIO
1-42
PHOTO VISCO
1-48
MOULAGE
1-49
EXHIBIT PRODUCTION
1-51
CORRIDOR
1-52
WOMEN'S LOUNGE
1-54
STAIR #3
1-13
STAIR #4
1-53
WOMEN'S TOILET
1-55
MEN'S TOILET
1-56
TEACHING MATERIAL EXHIBIT
1-58
SEE NOTE #1
MATCH LINE - SEE CONTINUATION SEE SHT# EL-50
MATCH LINE - FOR CONTINUATION SEE SHT# EL-50
U.S. FOR OWNER SUPPLIED DIMMER, CUT 2" RECESS INTO WALL 12" AFF
SURFACE MTD. ABOVE EL. 166'-6"
SURFACE MTD. ABOVE EL. 160'-6"
SURFACE MTD. ABOVE EL. 166'-4"
SURFACE MTD. ABOVE EL. 166'-6"
SURFACE MTD. ABOVE EL. 161'-6"
WALL MTD. 16" AFF. TO C. OF FIXT.
TO BP-1-22
TO EMLP-123
TO BP-1-38
TO BP-1-23
TO BP-1-28
TO KEY SWS. AT NORTH ENTRANCE
TO ONE BRKR IN ELEC. PNL. SEE ELEC. DIAG.

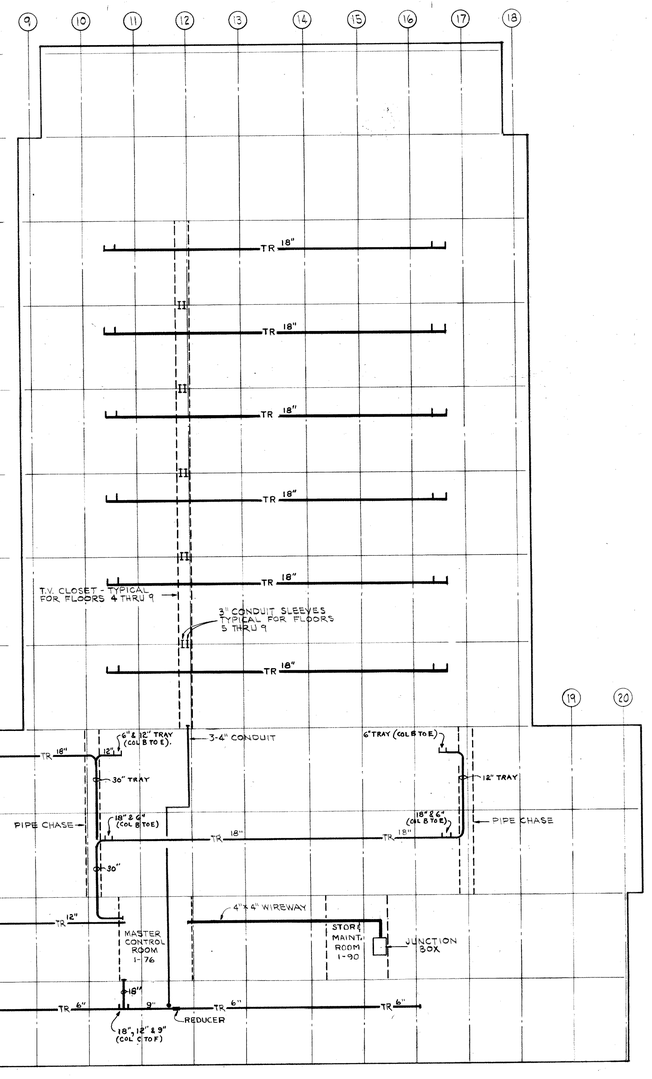
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TELEPHONE SYSTEM RISER DIAGRAM

NOT TO SCALE

NOTES: 1. ALL CONDUIT SHALL BE 3" UNLESS OTHERWISE INDICATED.
2. CONTRACTOR SHALL PROVIDE & INSTALL A 4'x8'x 3/4" THICK PLYWOOD PANEL IN EACH TELEPHONE CLOSET.



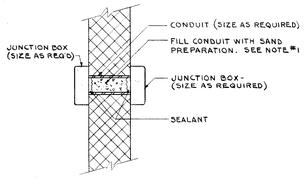
AUDIO-VISUAL SYSTEM

MAIN RACEWAY RISER DIAGRAM

NOT TO SCALE

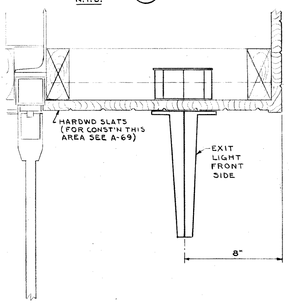
| | | |

B. K. ELLIOTT CO. 301 750 1-67*

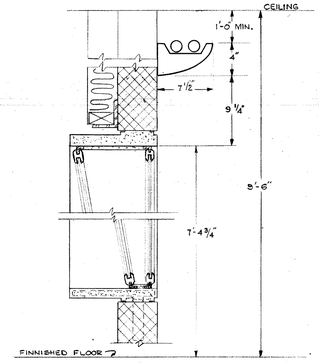


NOTES:
1. SAND SHALL CONTAIN SUITABLE BONDING AGENT AND SHALL BE TAMPED INTO CONDUIT. NO VOIDS SHALL BE PERMITTED.

DETAIL (1/50)
N.T.S.

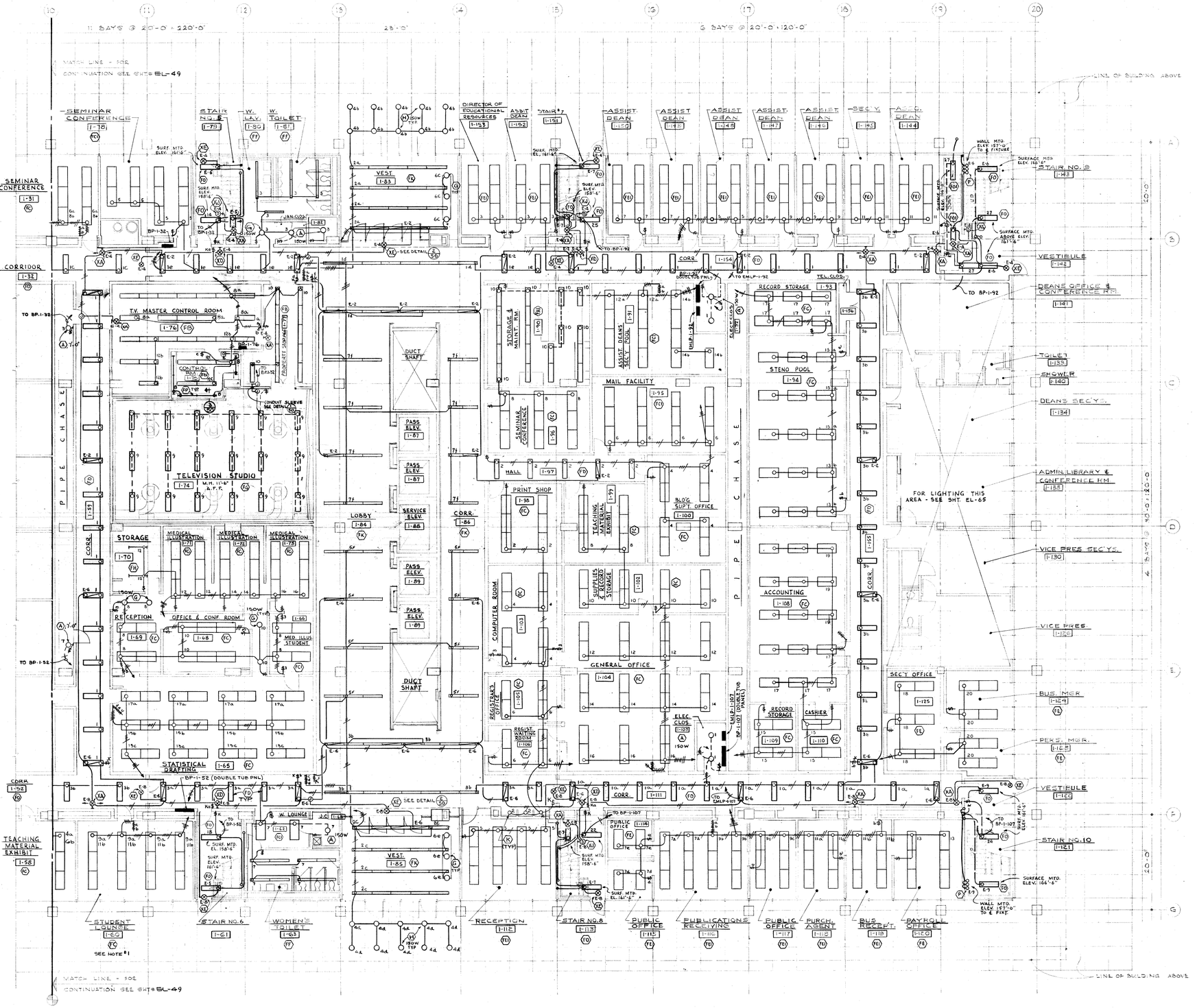


DETAIL (2/50)
N.T.S.



DETAIL (3/50)
N.T.S.

NOTES:
1. WIRE TWO LAMPS IN EACH FIXTURE ON THE DESIGNATED CIRCUITS.



FIRST FLOOR PLAN (EAST HALF)
SCALE: 1/8"=1'-0"
FLOOR ELEV. 152'-0"

PROJECT DIRECTOR	IN CHARGE				
C. B. McGREW	K. ESME				
DESIGNED BY	DRAWN BY				
CHECKED BY	CHECKED BY				
APPROVED	DATE				
CV2	SEP. 25, 1967				
		6-14-67	GENERAL CONTRACT CONSTR.	6-14-67	4
		6-28-67	GENERAL CONTRACT CONSTR.	6-28-67	5
		12-4-67	REVISED BLDG. SPEC.	12-4-67	
		10-23-67	ALL CONTRACTS SUBSTANTIALLY	10-9-67	ADD'N
		9-25-67	ALL CONTRACTS BID SPECS	DATE	NO.
			REVISIONS		

ISSUED FOR CONSTRUCTION - OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 128-152 RESEARCH FACILITIES AND RESOURCES: NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: 1K-151.

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW
☐ CONSTRUCTION
☐ FINAL RECORD

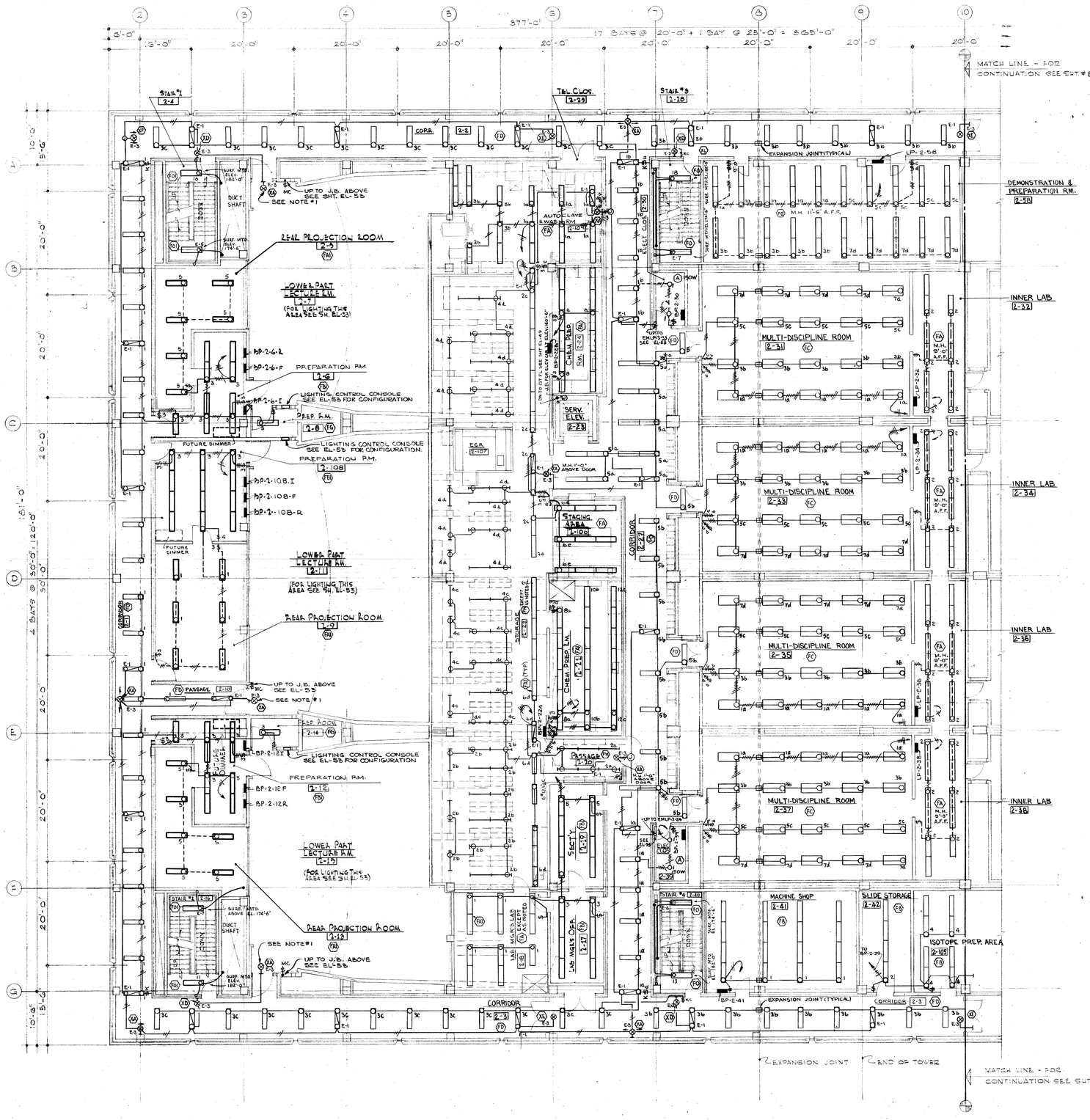
ISSUED
ACCOUNT NO. 100-1590-250-026

SHEET TITLE
FIRST FLOOR - EAST HALF LIGHTING LAYOUT

ARCHITECTS JOB NO.
66-121

SHEET NO.
EL-50

B. K. ELLIOTT CO. 301 750 1-67+



NOTES:

1. ALL EXIT LIGHTS IN ALL LECTURE ROOMS SHALL BE PROVIDED WITH DOWN LIGHT COMPONENT

SECOND FLOOR PLAN (WEST HALF)

SCALE: 1/8" = 1'-0" FLOOR ELEV. 168'-0"

NO.	DATE	REVISIONS	ISSUED FOR
1	10-3-67	ADD #1	ADDENDA
2	10-26-67	ADD #2	ADDENDA
3	12-27-67	REVISIONS	CONSTR.
4	4-9-68	GEN. CONT. CONSTR.	#9
5	10-17-68	GEN. CONT. - CONSTR.	#4
6	12-6-67	(REVISED) BIDS - SPEC.	ADDENDA
7	1-15-68	ALL CONTRACTS BIDS - ADDENDA #1	ADDENDA
8	12-6-67	ALL CONTRACTS BIDS - ADDENDA #1	ADDENDA
9	3-25-67	ALL CONTRACTS BIDS - SPEC.	ISSUED FOR

PROJECT DIRECTION C. B. McGREW
DESIGNED BY C.V.L./K.E.
DRAWN BY E.M.C./M.A.
CHECKED BY C.V.L./K.E.
APPROVED
DATE SEPT. 25, 1967
IN CHARGE K. ESHE

DIRECTOR - OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, SERVICE, MICH. 129-132, RESEARCH FACILITIES, AND NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE FR-152

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

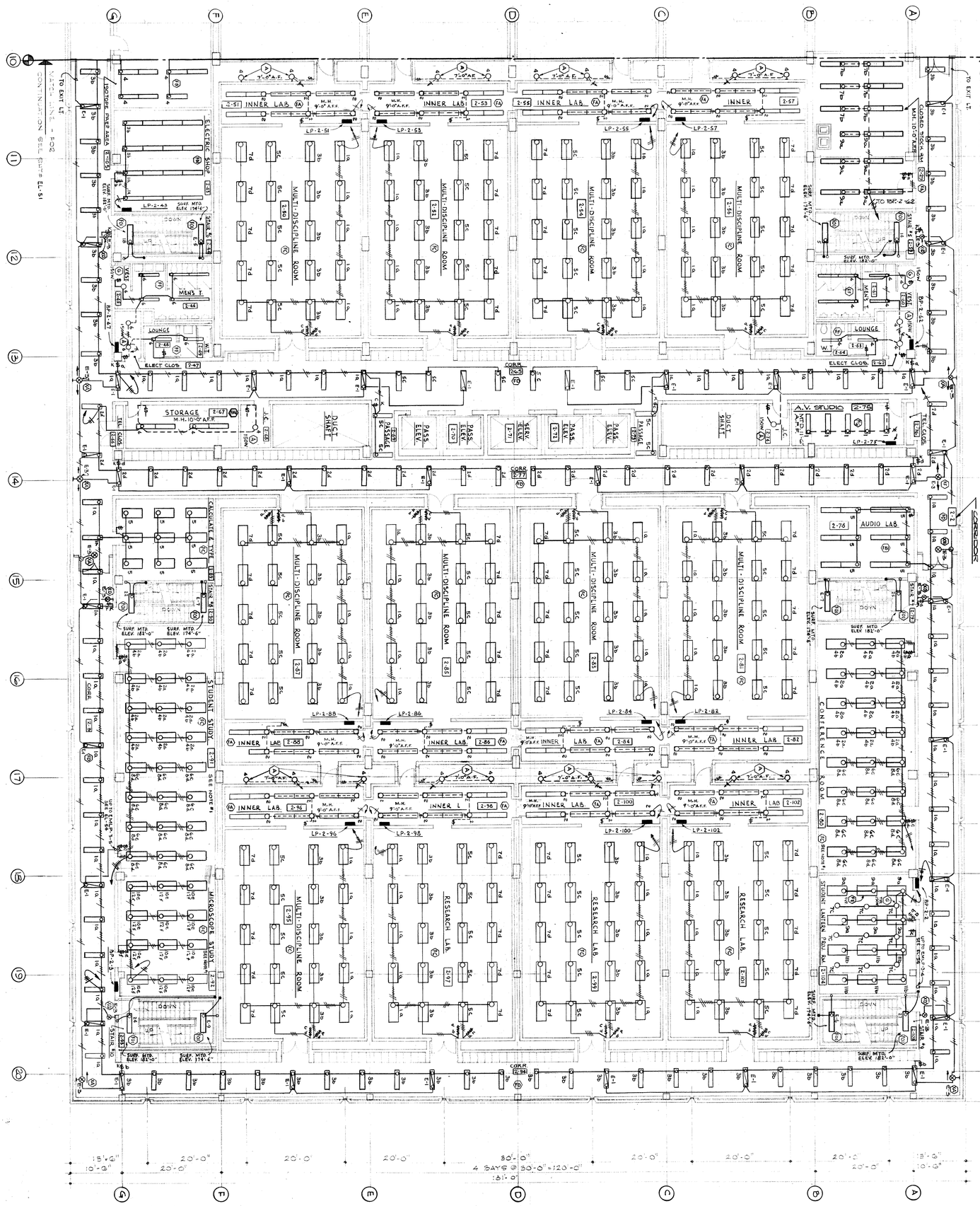
REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED
ACCOUNT NO. 100-1590-250-026

SECOND FLOOR - WEST HALF LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-51

NOTES:
1. WIRE TWO LAMPS IN EACH FIXTURE ON THE DESIGNATED CIRCUITS.



SECOND FLOOR PLAN (EAST HALF)
SCALE: 1/8" = 1'-0"
FIN. FLOOR ELEV. 168'-0"

NORTH

66-121 — ARCHITECTS JOB NO.
EL-52 — SHEET NO.

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW	☐	ISSUED
CONSTRUCTION	☐	
FINAL RECORD	☐	ACCOUNT NO. 100-1590-250-026

SHEET TITLE: SECOND FLOOR – EAST HALF LIGHTING LAYOUT

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architects engineers
MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

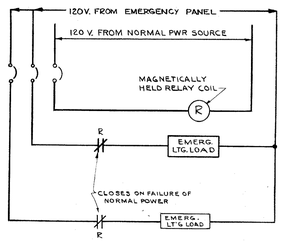
DIVISION OF HOSPITAL AND MEDICAL FACILITIES; PUBLIC HEALTH SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES; NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE: FR-152

PROJECT DIRECTOR	C. B. McGREW
IN CHARGE	K. ESME
DESIGNED BY	CVZ/KE
DRAWN BY	MA/EWC
CHECKED BY	CVZ/KE
DATE	SEP. 25, 1967
APPROVED	C. B. McGrew
APPROVED	Ernest Gschwend
STATE SHOP OF INSPECTION	
DIRECTOR - OFFICE OF CAPITAL PROGRAMS	

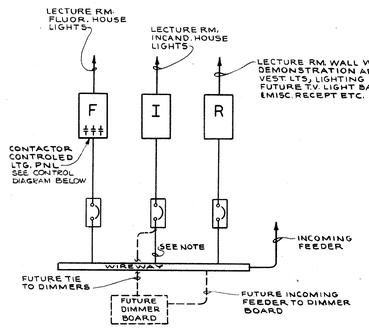
DATE	ISSUED FOR	DATE	BY	BULL. NO.
4-1-71	GENERAL CONTRACT CONSTR.	4-1-71	GE	#16
12-6-67	PLUMBING WORK TO CONTRACT (REVISED BIDS-SPECS)	12-6-67		
10-9-67	ALL CONTRACTS BIDS-ADDEND.#1	10-9-67	K.E.	ADD.#1
9-25-67	ALL CONTRACTS-BIDS-SPECS			

REVISIONS

B. K. ELLIOTT CO. 301 780 1-67

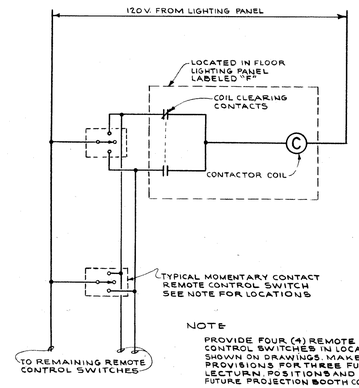


TYPICAL LECTURE HALL EMERGENCY LIGHTING CONTROL DIAGRAM



NOTE: FEEDER TO BE REMOVED UPON INSTALLATION OF DIMMERS

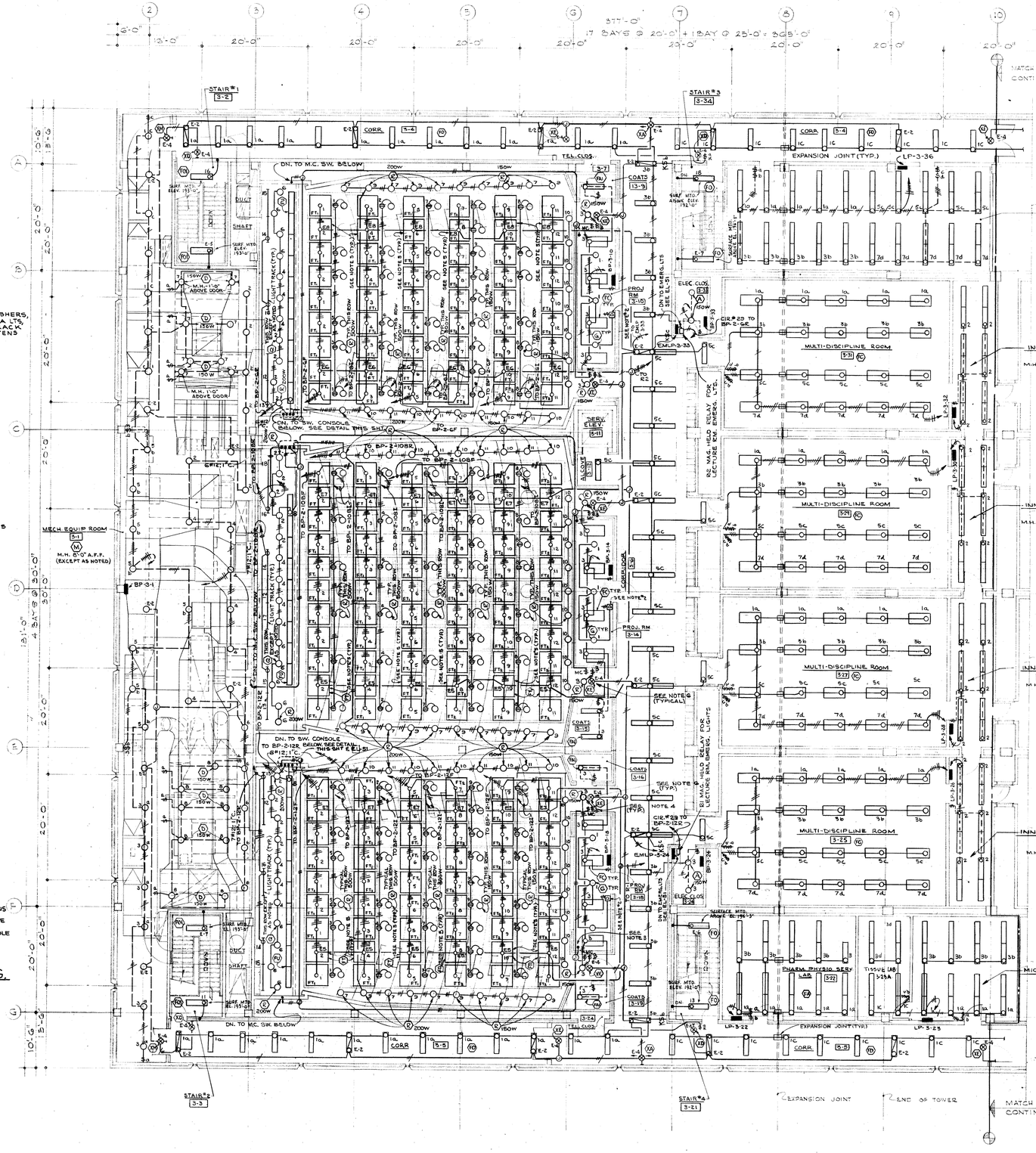
TYPICAL LECTURE ROOM LIGHTING SYSTEM



NOTE

PROVIDE FOUR (4) REMOTE CONTROL SWITCHES IN LOCATIONS SHOWN ON DRAWINGS. MAKE PROVISIONS FOR THREE FUTURE LECTURN POSITIONS AND ONE FUTURE PROJECTION BOOTH CONSOLE

TYPICAL LECTURE ROOM FLUORESCENT HOUSE LIGHTS LIGHTING PANEL CONTROL DIAG.

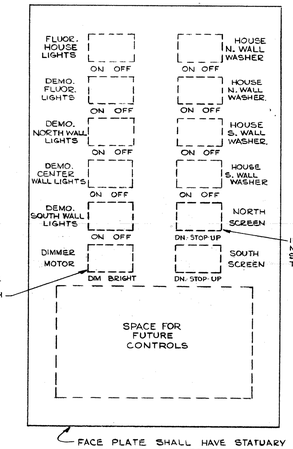


THIRD FLOOR PLAN (WEST HALF)

SCALE: 1/8" = 1'-0" FLOOR ELEV. 183'-6"

NOTES

1. REFER TO SHT. A-75 FOR LECTURE HALL CEILING PLANS & DETAILS
2. PROVIDE G.E. CAT. # D1-GIUL INCAND. DIMMER.
3. PROVIDE 3/4" CONDUIT DOWN INTO WIREWAY FOR FUTURE INSTALLATION OF REMOTE CONTROL SWITCH IN PROJECTION BOOTH CONSOLE.
4. ALL SWITCH PLATES IN ALL LECTURE ROOMS SHALL HAVE U.S. SPEC. STATUARY OIL RUBBED BRONZE FINISH SIMILAR TO SIERRA NO. C-527 OR APPROVED EQUAL.
5. TWO EXTREME LAMPS IN FIXTURE SHALL BE CONNECTED TO INDICATED EMERGENCY CIRCUIT. THE BALANCE OF 4 OR 6 LAMPS IN FIXTURE SHALL BE ON NORMAL POWER SUPPLY AND SPACED IN SUCH A WAY THAT THEY SHALL PROVIDE UNIFORM BRIGHTNESS AT THE DIFFUSER WHEN NORMAL POWER SUPPLY IS ON.
6. ALL EXIT LIGHTS IN ALL LECTURE ROOMS SHALL BE PROVIDED WITH DOWN LIGHT COMPONENT



INTERCHANGEABLE TAP ACTION SWITCH 20A. 1P. 120V. TYPICAL SEE NOTE # 1

PROVIDE BLANK FOR FUTURE DIMMER SWITCH

INTERCHANGEABLE MOMENTARY CONTACT SWITCH 15A. 120V. TYPICAL SEE NOTE # 1

FACE PLATE SHALL HAVE STATUARY OIL BRUSHED BRONZE FINISH. SEE NOTE # 3

NOTES:

1. TAP-ACTION & MOMENTARY CONTACT SWITCHES SHALL BE SIMILAR TO ARROW-HART QST-51 & QST-200 SERIES OR APPROVED EQUAL.
2. CONTRACTOR TO VERIFY ALL DIMENSIONS & PROPERLY SIZE CONSOLE BACK BOX.
3. PROVIDE SWITCH IDENTIFICATION AS INDICATED ON DETAIL, LETTERS SHALL BE ENGRAVED WITH BLACK FILLING, LETTER SIZE SHALL BE COMPATABLE WITH FACE PLATE SIZE.

LECTURE ROOMS LIGHTING CONTROL CONSOLE

NORTH

REVISIONS	DATE	BY	ADD. NO.
ISSUED FOR CONSTRUCTION	12-2-66		
GENERAL CONTRACT CONSTR.	12-26-67	JK	1
ALL CONTRACTS BIDS - ADDEND.	10-9-67	KE	ADD#1
GEN. CONT. CONSTR. (REVISED) BIDS SPECIFIC	10-11-67	KE	ADD#2
GEN. CONT. CONSTR.	10-11-67	J.K.	2
ALL CONTRACTS BIDS - ADDEND.	11-20-67	KE	ADD#3
ALL CONTRACTS BIDS-SPEC.	9-28-67		
GENERAL CONTRACT CONSTR.	12-26-67	JK	3A
GEN. CONT. CONSTR.	8-19-68	J.K.	ADD#3
GEN. CONT. CONSTR.	12-6-68	K.E.	ADD#4
ALL CONTRACTS BIDS - ADDEND.	10-9-67	K.E.	ADD#1

PROJECT DIRECTION C. B. McGREW — IN CHARGE K. ESMIE — DRAWN BY E.W.C. — DESIGNED BY C.V.Z./K.E. — CHECKED BY C.V.Z./K.E. — APPROVED BY — DATE SEPT. 25, 1967

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH. 129-132 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE

STATE OF MICHIGAN
DEPARTMENT OF THE BUDGET
BUREAU OF
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ACCOUNT NO. 100-1590-250-026

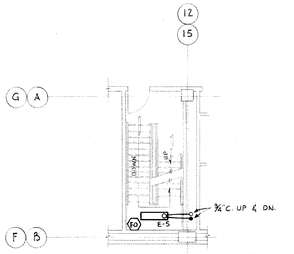
REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐
FINAL RECORD ☐ ☐

SHEET TITLE: THIRD FLOOR - WEST HALF LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

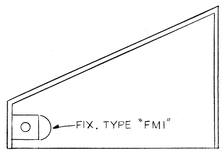
SHEET NO. EL-53

B. K. ELLIOTT CO. 301 750 1-67+



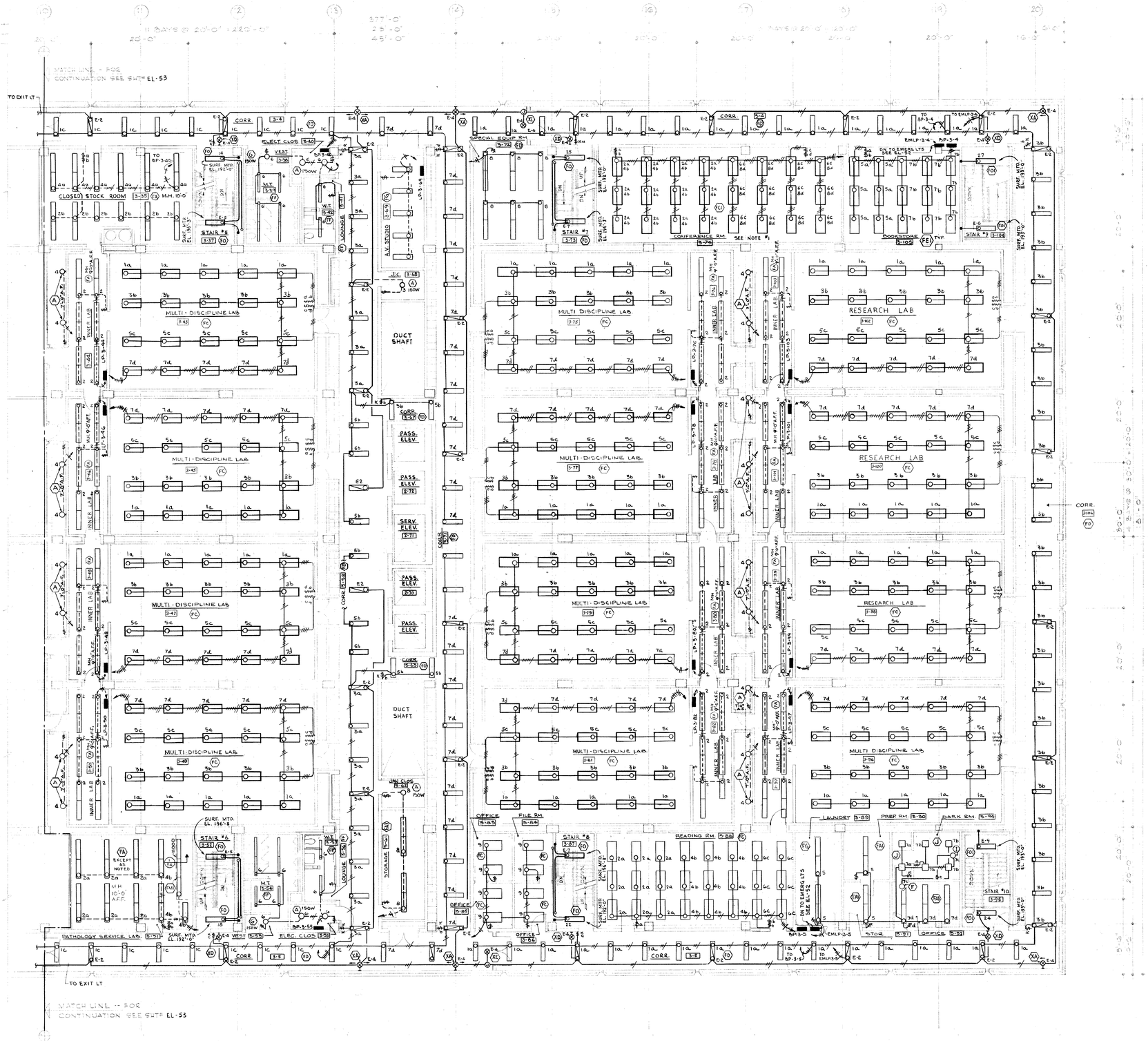
2ND FLOOR LANDING

STAIR NO. 5	AS SHOWN
STAIR NO. 6	REVERSE
STAIR NO. 7	OPP. HAND
STAIR NO. 8	OPP. HAND - REVERSE



DETAIL 1/54
N.T.S.

NOTES:
1. WIRE TWO LAMPS IN EACH FIXTURE ON THE DESIGNATED CIRCUITS.



THIRD FLOOR PLAN (EAST HALF)

SCALE: 1/8" = 1'-0" FIN. FLOOR ELEV. 183'-6"

REVISIONS	DATE	BY	BULL. NO.
ISSUED FOR	4-3-71	K.E.	ADD #1
GENERAL CONTRACT CONSTR.	12-6-67		
(REPHASED) BIDS - SPECS.	10-9-67		
ALL CONTRACTS BIDS - ADDENDUM	9-25-67		
ALL CONTRACTS BIDS-SPECS.	DATE		
ISSUED FOR			

PROJECT DIRECTION C. B. INGREN
DESIGNED BY C.V.Z./K.E.
DRAWN BY M.A./E.W.C.
CHECKED BY C.V.Z./K.E.
DATE SEP. 25, 1967
APPROVED
G. A. GIFFELS, PRINCIPAL IN CHARGE
H. C. ESSWE

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 123-132 RESEARCH FACILITIES AND RESOURCES, NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE

JOHN, WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐ ISSUED

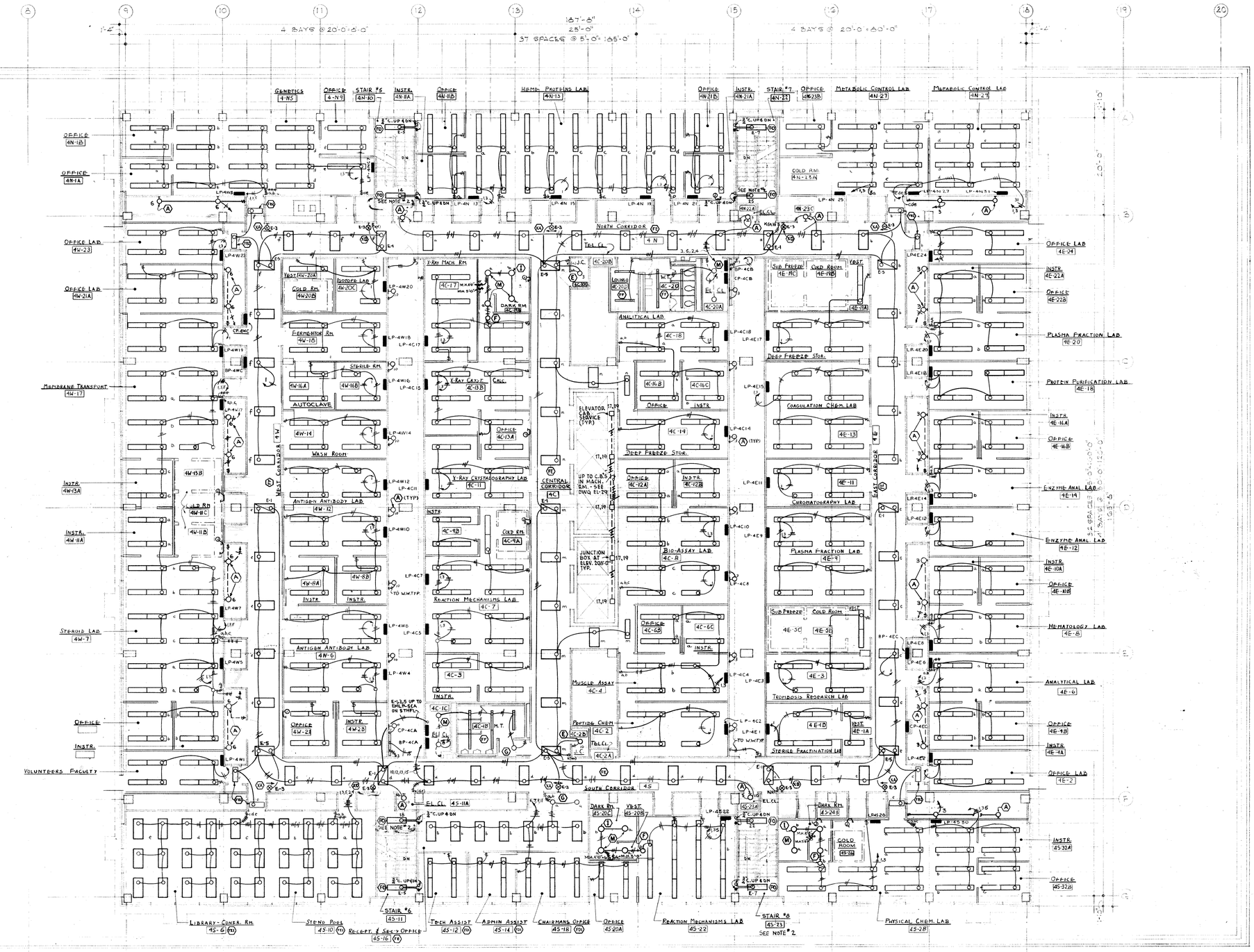
ACCOUNT NO. 100-1590-250-026

SHEET TITLE THIRD FLOOR - EAST HALF LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-54

B. K. ELLIOTT CO. 301 750 1-67



FOURTH FLOOR PLAN

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

Notes: 1. All lighting fixtures shall be type "FA" unless otherwise noted. Mtg. ht 8'-0" AFF.
2. Bottom of light fixture shall be same height as lower edge of ceiling beam.

REVISIONS	DATE	ISSUED FOR
ADD #1	4-2-71	GEN. CONTRACT CONSTR.
K.E.	4-2-71	FULL #16
BY	11-22-67	GENERAL CONTRACT CONSTR. (REVISED) BIDS - SPEC.
BULL NO.	12-6-67	ADDENDUM #1
	10-9-67	ALL CONTRACTS BIDS-ADDENDUM
	12-6-67	ALL CONTRACTS-BIDS-SPECS
	9-25-67	ALL CONTRACTS-BIDS-SPECS

PROJECT DIRECTION: C. B. McGREW
DESIGNED BY: S.H.H./K.E.
CHECKED BY: K.E.
DATE: SEPT. 25, 1967
IN CHARGE: K. ESWE
DRAWN BY: S.H.H.
SCALE: AS NOTED
APPROVED: C. B. McGrew
SUPERVISING ARCHITECT: Grant Brayman

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS - MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 128-152 RESEARCH FACILITIES AND NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

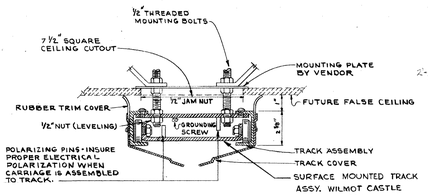
REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐
FINAL RECORD ☐ ☐
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: FOURTH FLOOR LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-55

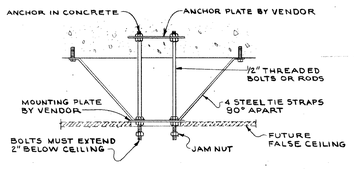
B. K. ELLIOTT CO. 301 750 1-67



TYPICAL TRACK SECTION

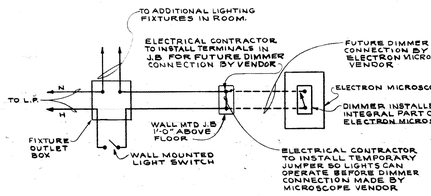
SCALE 1½" = 1'-0"

NOTE: TRACK SHALL BE GROUNDED

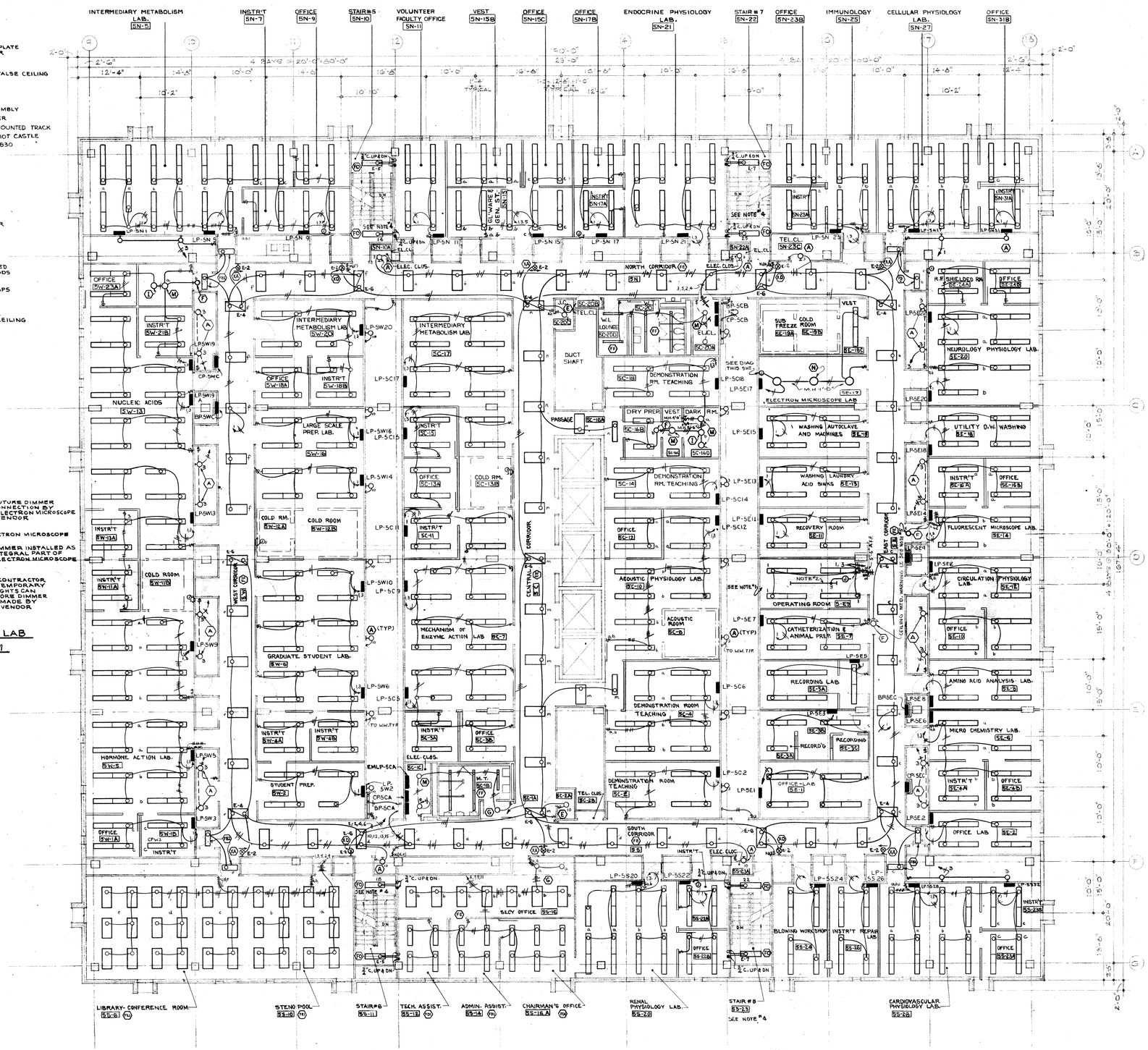


TYPICAL TRACK MOUNTING DETAIL

N.T.S.



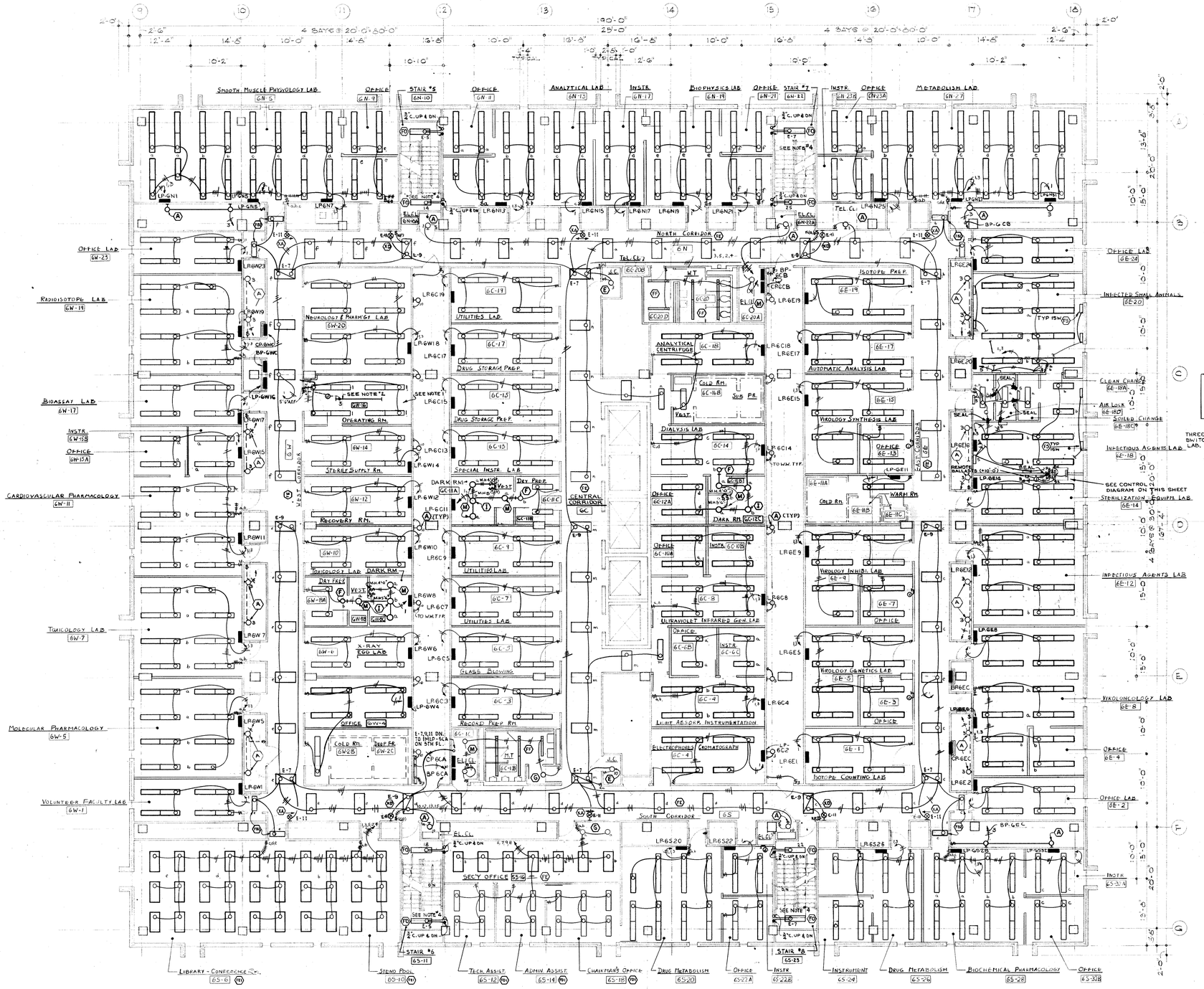
TYPICAL ELECTRON MICROSCOPE LAB LIGHTING CONTROL DIAGRAM


INTERMEDIARY METABOLISM LAB. SN-5
INSTR'T SN-7
OFFICE SN-9
STAIR #5 SN-10
VOLUNTEER FACULTY OFFICE SN-11
VEST SN-15B
OFFICE SN-15C
OFFICE SN-17B
ENDOCRINE PHYSIOLOGY LAB. SN-21
STAIR #7 SN-22
OFFICE SN-23B
IMMUNOLOGY SN-25
CELLULAR PHYSIOLOGY LAB. SN-27
OFFICE SN-31B
NORTH CORRIDOR
SOUTH CORRIDOR
EAST CORRIDOR
WEST CORRIDOR
CENTRAL CORRIDOR
INTERMEDIARY METABOLISM LAB. SW-20
INTERMEDIARY METABOLISM LAB. SC-17
NUCLEIC ACIDS SW-13
LARGE SCALE PREP. LAB. SW-14
COLD RM. SW-14A
COLD ROOM SW-12B
COLD ROOM SW-11B
GRADUATE STUDENT LAB. SW-6
HORMONE ACTION LAB. SW-5
STUDENT PREP. SW-2
OFFICE SW-1A
OFFICE SW-18A
INSTR'T SW-18B
INSTR'T SW-21B
INSTR'T SW-4A
INSTR'T SW-4B
OFFICE SW-23A
OFFICE SC-13A
COLD RM. SC-13B
INSTR'T SC-15
INSTR'T SC-11
MECHANISM OF ENZYME ACTION LAB SC-7
INSTR'T SC-3A
OFFICE SC-3B
ELEC. CLOS. SC-1C
DUCT SHAFT
PASSAGE SC-18A
SC-20B
SC-20C
SC-20
SC-20D
W.L. LOUNGE SC-20C
SC-18
DEMONSTRATION RM. TEACHING
DRY PREP SC-16B
VEST SC-16C
DARK RM. SC-16D
DEMONSTRATION RM. TEACHING SC-14
OFFICE SC-12
ACOUSTIC PHYSIOLOGY LAB. SC-10
ACOUSTIC ROOM SC-9
DEMONSTRATION ROOM TEACHING SC-8
DEMONSTRATION TEACHING ROOM SC-4
OFFICE-LAB. SC-1
SUB FREEZE ROOM SE-19A
COLD ROOM SE-19B
VEST SE-19C
ELECTRON MICROSCOPE LAB SE-17
WASHING AUTOCLAVE AND MACHINES SE-16
WASHING LAUNDRY ACID SINKS SE-15
RECOVERY ROOM SE-11
OPERATING ROOM S-E9
CATHETERIZATION & ANIMAL PREP. SE-7
RECORDING LAB. SE-3A
RECORDING SE-3C
RECORD'S SE-3B
OFFICE-LAB. SE-1
R.P. SHIELDED RM. SE-24A
OFFICE SE-24B
NEUROLOGY PHYSIOLOGY LAB. SE-20
UTILITY D.W. WASHING SE-18
INSTR'T SE-8A
OFFICE SE-8B
FLUORESCENT MICROSCOPE LAB. SE-4
CIRCULATION PHYSIOLOGY LAB. SE-2
OFFICE SE-10
AMINO ACID ANALYSIS LAB. SE-9
MICRO CHEMISTRY LAB. SE-6
INSTR'T SE-2A
OFFICE SE-2B
OFFICE LAB. SE-2
INSTR'T SE-23A
OFFICE SE-23C
TEL. CL. SN-23C
SEE NOTE #4
SN-10A
SN-22A
SC-2A
SC-2B
SC-1A
SC-2N
SC-2E
SC-1B
SC-2D
SC-1D
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LP-SE59

B. K. ELLIOTT CO. 301 770 1-67+

NOTES

1. ALL WIRING IN OPERATING ROOM GW-16 SHALL BE DONE IN ACCORDANCE WITH ARTICLE 517 OF THE N.E.C. (VOLUME 2, SECTION 56 OF THE NATIONAL FIRE CODE COVERING FLAMMABLE ANESTHETICS. ROOM SHALL BE CONSIDERED TO BE CLASS I, DIVISION I GROUP C LOCATION THROUGHOUT.
2. TRACK FOR FUTURE SURGICAL LIGHT. SEE TYPICAL TRACK SECTION & TYPICAL MOUNTING DETAIL ON SHEET NO. EL-56.
3. ALL LIGHT FIXTURES SHALL BE TYPE "FA" UNLESS OTHERWISE NOTED. MTG. HT. 9'-0" AFF.
4. LIGHT FIXTURES SHALL BE SAME HEIGHT AS BOTTOM OF LOWER EDGE OF CEILING BEAM.



CONTROL DIAGRAM FOR GERMICIDAL LAMPS IN PASS-THRU

SIXTH FLOOR PLAN
SCALE 1/8"=1'-0"

NO.	DATE	REVISIONS
4-9-68	GENERAL CONTRACT CONSTR.	K. E.
12-2-67	GENERAL CONTRACT CONSTR.	K. E.
10-27-67	PLUMBING, PIPING, STEAM & ELEC.	K.E. ADDS #
9-25-67	ALL CONTRACTS-BIDS-SPECS	K.E. ADDS #

PROJECT DIRECTION C. B. McGREW | IN CHARGE K. ESME | DESIGNED BY K.E. | DRAWN BY K.E. | CHECKED BY K.E. | DATE SEP. 25, 1967 | APPROVED

ISSUED FOR BIDDING

ISSUED FOR CONSTRUCTION, OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 128-132 RESEARCH FACILITIES AND RESOURCES; NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE FR. 152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD ☐ ☐

SHEET TITLE: SIXTH FLOOR - LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-57

B. K. ELLIOTT CO. 301 750 1-67

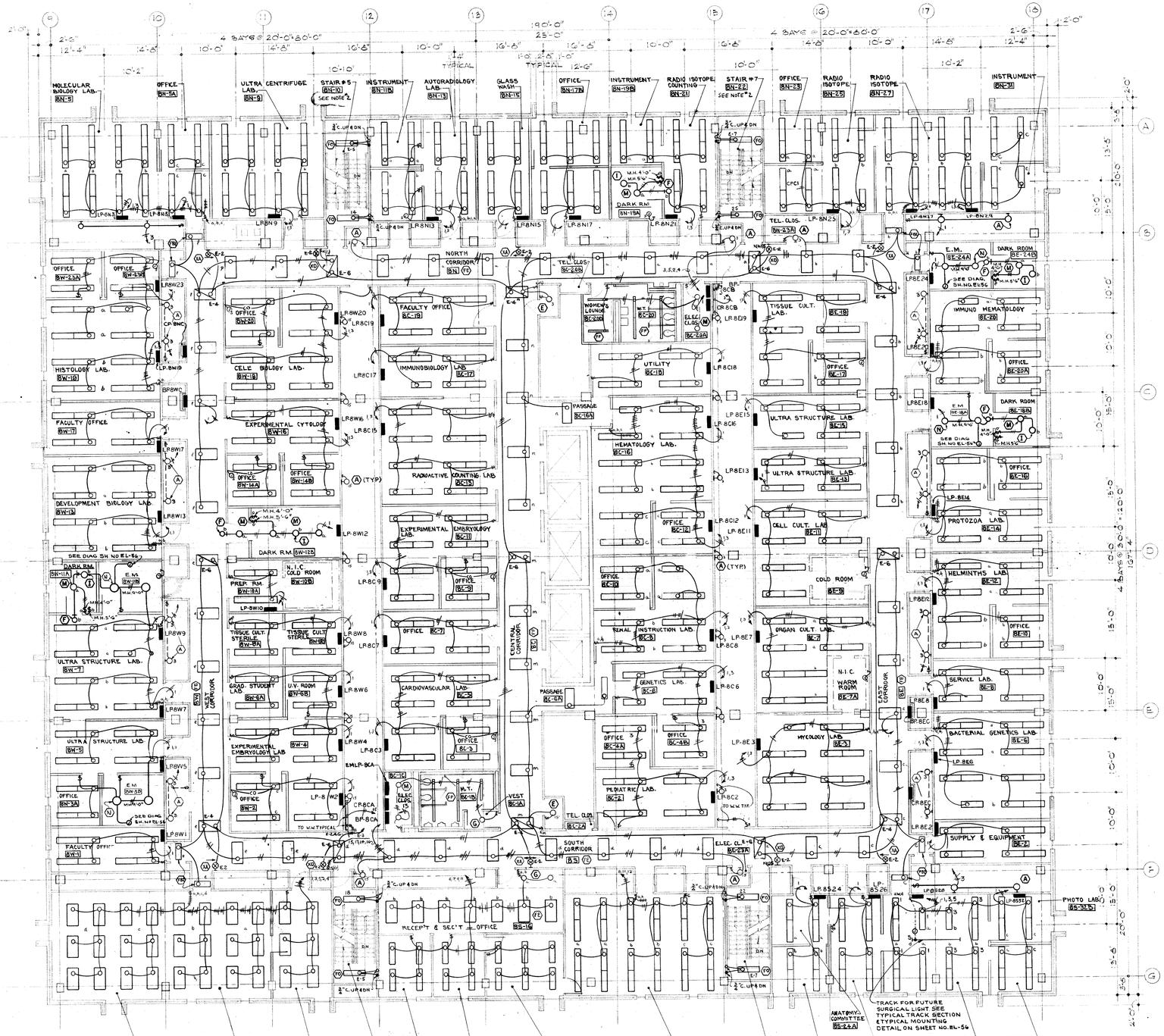
SEVENTH FLOOR PLAN

SCALE 1/8"-0"

NOTE 1: ALL LIGHTING FIXTURES SHALL BE TYPE "EA" UNLESS OTHERWISE NOTED. MTG HT. 9'-0" AFF.

NOTE 2: LIGHT FIXTURE SHALL BE SAME HEIGHT AS BOTTOM OF LOWER EDGE OF CEILING BEAM

B. K. ELLIOTT CO. 301 780 1-67+



EIGHTH FLOOR PLAN

SCALE: 1/4"=1'-0"

NOTE 1: ALL LIGHTING FIXTURES SHALL BE TYPE "PA" UNLESS OTHERWISE NOTED. MTG. HT. 9'-0" AFF.

NOTE 2: LIGHT FIXTURE SHALL BE SAME HEIGHT AS BOTTOM OF LOWER EDGE OF CEILING BEAM

REVISIONS	DATE	BY	APP'D
ISSUED FOR BID	12-2-66	K.E.	
GENERAL CONTRACT CONSTR. (REVISED)	3-3-67	K.E.	
ELIMINATES PARK SOUTH AREA	4-4-67	K.E.	
ALL CONTRACTS-BIDS-ADD. #1	10-4-67	K.E.	
ALL CONTRACTS-BIDS-SPECS	9-25-67	K.E.	

PROJECT DIRECTION: C. B. McGREW
IN CHARGE: K. ESWE
DESIGNED BY: S.H.H./K.E.
DRAWN BY: S.H.H.
CHECKED BY: K.E.
DATE: SEPT. 25, 1967
APPROVED: [signature]

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW: ☐ CONSTRUCTION ☐ FINAL RECORD
ISSUED: ☐
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: EIGHTH FLOOR – LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-59

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
MICHIGAN
DETROIT

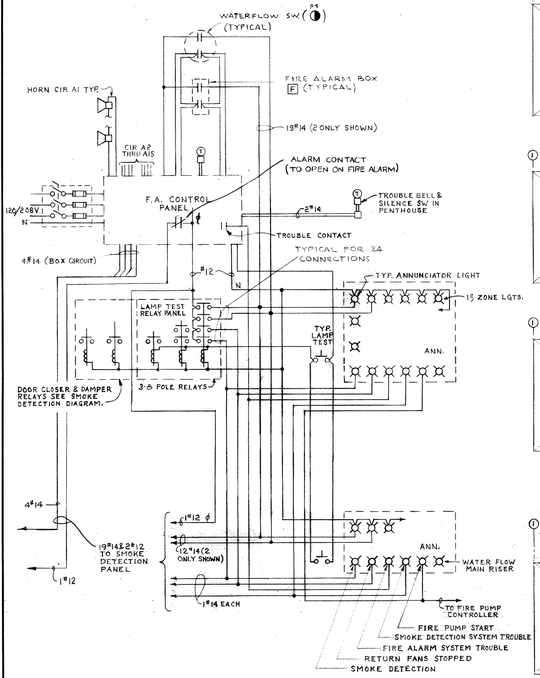
DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 125-152. RESEARCH FACILITIES AND RESOURCES, NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE FR-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

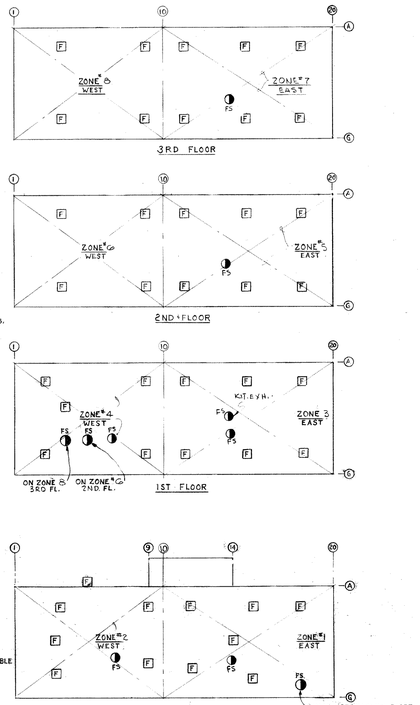
B. K. ELLIOTT CO. 301 750 1-67.

NOTE
WATER FLOW SWITCHES ON ALL FLOORS ON SAME ZONE AS MANUAL STATIONS UNLESS NOTED OTHERWISE.

TYPICAL 4TH THRU 9TH FLOORS
(PENTHOUSE SIMILAR)



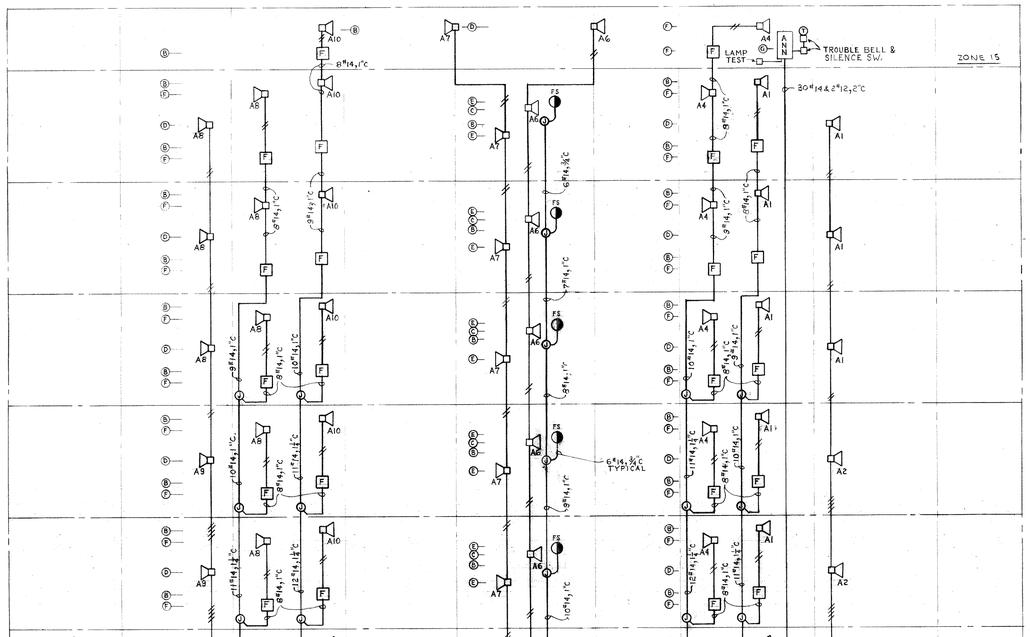
FIRE ALARM ELEMENTARY DIAGRAM



FIRE ALARM ZONING
KEY PLAN
NO SCALE

ANNUNCIATOR ZONES

1. GROUND FLOOR EAST
2. GROUND FLOOR WEST
3. FIRST FLOOR EAST
4. FIRST FLOOR WEST
5. SECOND FLOOR EAST
6. SECOND FLOOR WEST
7. THIRD FLOOR EAST
8. THIRD FLOOR WEST
9. FOURTH FLOOR
10. FIFTH FLOOR
11. SIXTH FLOOR
12. SEVENTH FLOOR
13. EIGHTH FLOOR
14. NINTH FLOOR
15. PENTHOUSE
16. WATER FLOW-MAIN RISER
17. FIRE PUMP START
18. SMOKE DETECTION
19. RETURN FANS STOPPED
20. SMOKE DETECTION SYSTEM TROUBLE
21. FIRE ALARM SYSTEM TROUBLE
22. KITCHEN EXH. DUCT WATER FLOW
23. SPARE
24. SPARE



FIRE ALARM RISER DIAGRAM

PROJECT DIRECTION	C. B. McGREW	IN CHARGE	K. ESWE
DESIGNED BY	A. J. FELD	DRAWN BY	E. B.
CHECKED BY	A. J. F.	DATE	SEP. 25, 1967
APPROVED		DRAWING NO.	

REVISIONS	BY	BULL. NO.	DATE
GENERAL CONTRACT CONSTR.	JE	BULL 25	2-14-68
PLUMBING WORK CONTRACT (REVISED) BIDS - SUBSPECS.			12-6-67
ALL CONTRACTS - SUBSPECS.			10-25-67

ISSUED FOR REVISIONS DATE

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DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

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CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ACCOUNT NO. 100-1590-250-026

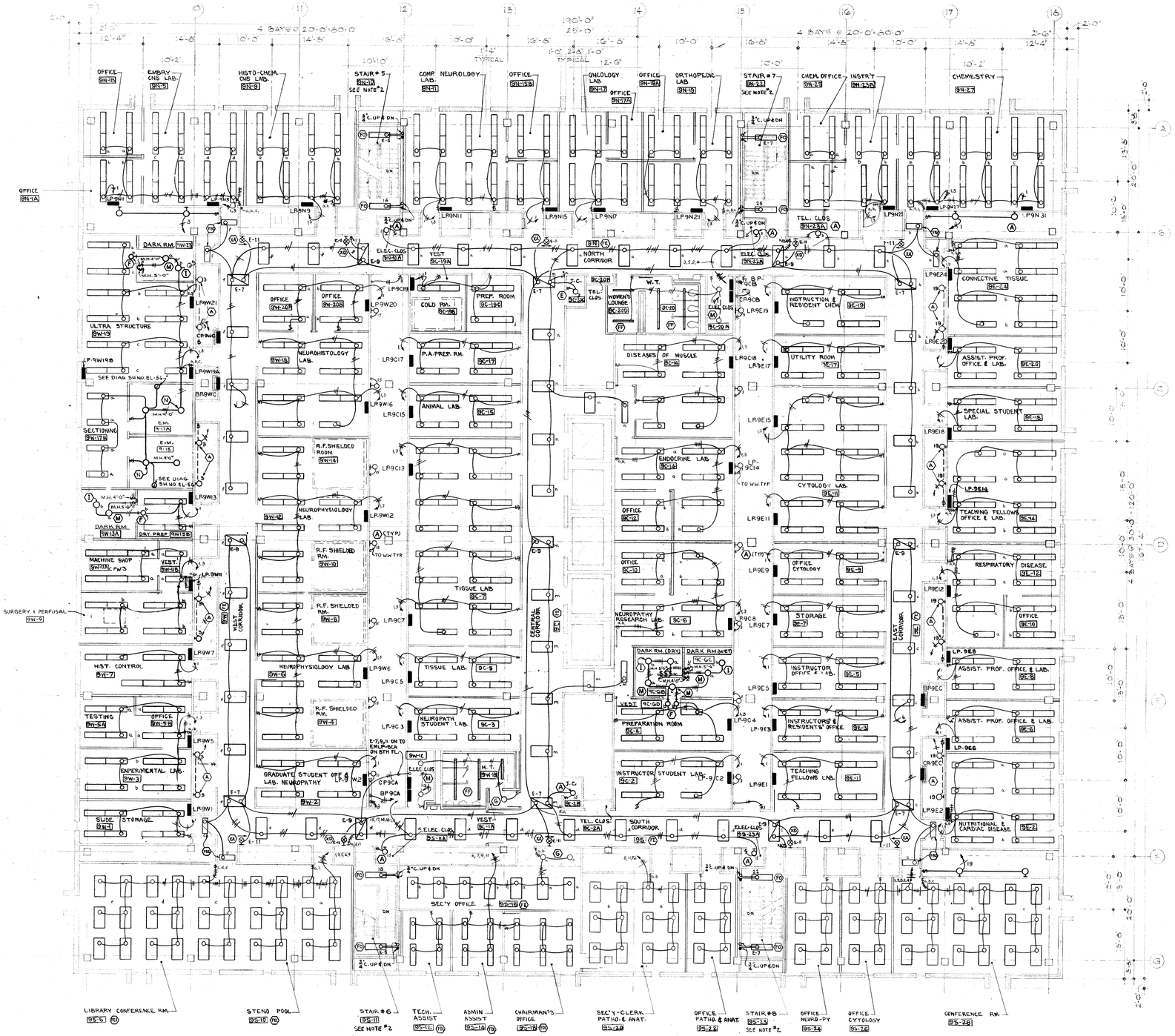
REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐

SHEET TITLE: FIRE ALARM RISER DIAGRAM

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-6

B. K. ELLIOTT CO. 301 750 1-67



NINTH FLOOR PLAN

SCALE: 1/8"-0"

NOTE 1: ALL LIGHTING FIXTURES SHALL BE TYPE "FA" UNLESS OTHERWISE NOTED.

NOTE 2: LIGHT FIXTURE SHALL BE SAME HEIGHT AS BOTTOM OF LOWER EDGE OF CEILING BEAM

REVISIONS	DATE	ISSUED FOR
BUIL. #6	12-2-66	GENERAL CONTRACT CONSTR.
ADD. #1	12-6-67	ALL CONTRACTS-BIDS-ADDM
ADD. #1	10-30-67	ALL CONTRACTS-BIDS-SPECS
REVISIONS	DATE	ISSUED FOR
	12-2-66	GENERAL CONTRACT CONSTR.
	12-6-67	ALL CONTRACTS-BIDS-ADDM
	9-25-67	ALL CONTRACTS-BIDS-SPECS

PROJECT DIRECTION E. L. ELLIOTT
DESIGNED BY S.H.H./K.E.
CHECKED BY
APPROVED
IN CHARGE M. L. ELLIOTT
DRAWN BY S.H.H.
DATE SEPT. 25, 1967
RECORDED BY

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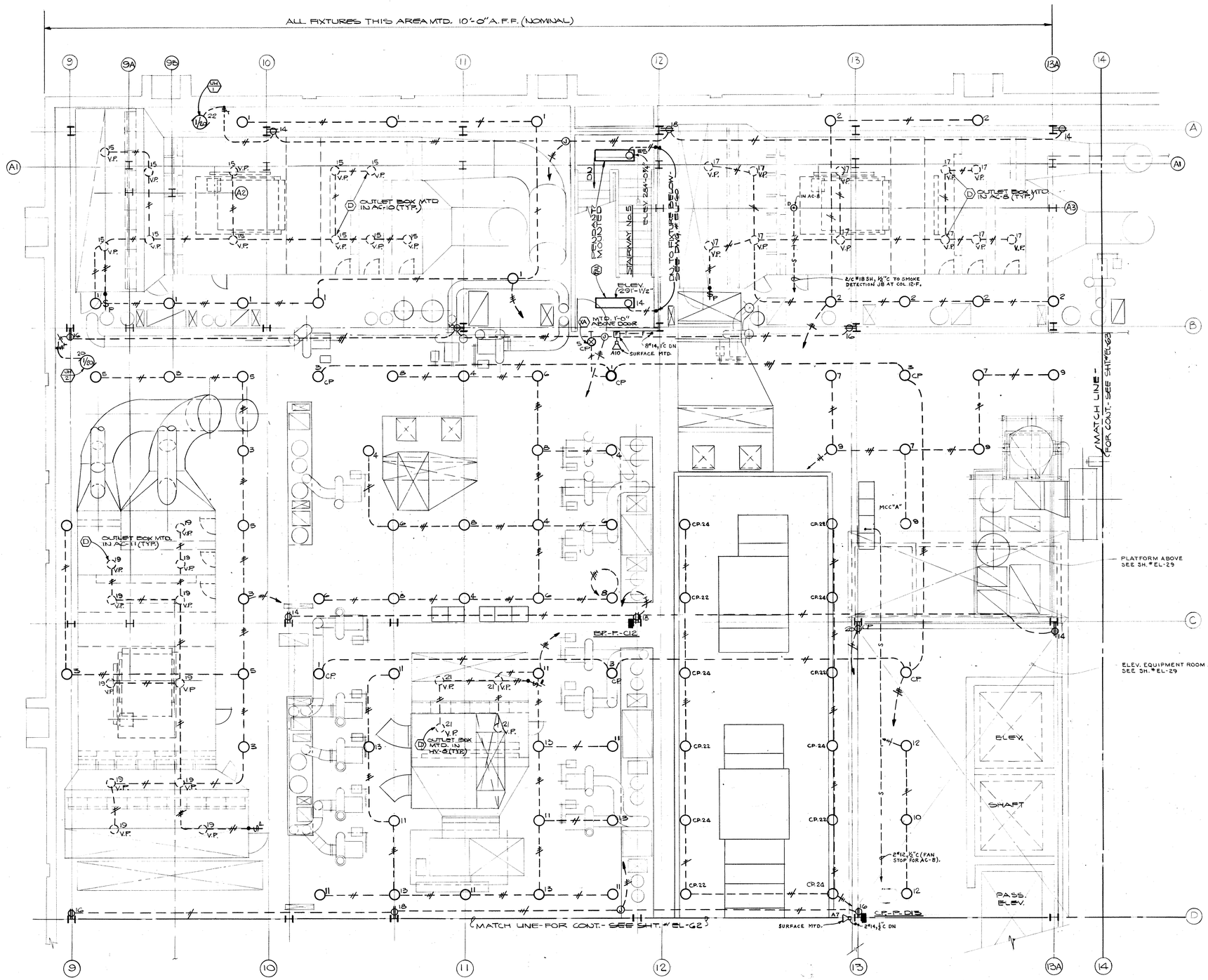
REVIEW
CONSTRUCTION ☐ ☐ ISSUED
FINAL RECORD ☐ ☐ ACCOUNT NO. 100-1590-250-026

SHEET TITLE NINTH FLOOR – LIGHTING LAYOUT

ARCHITECTS JOB NO. 66-121

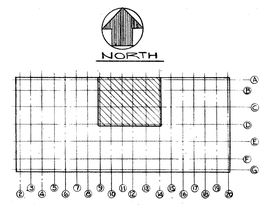
SHEET NO. EL-60

B. K. ELLIOTT CO. 301 780 1-67*



PENTHOUSE
NORTH-WEST SECTION
LIGHTING, RECEPT., & MISC. SYSTEMS
SCALE: 1/4" = 1'-0"

NOTE: ALL FIXTURES ARE TYPE "M" UNLESS OTHERWISE NOTED.



KEY PLAN

REVISIONS	DATE	BY	APPD.
ISSUED FOR BULL'S	12-1-65		
ISSUED FOR ADDITIONAL CONSTR. (REVISED) BIDS - SPECS.	12-6-67		
ISSUED FOR ADDITIONAL CONSTR. BIDS - ADDENDUM	10-3-67	K.E.	ADD #1
ISSUED FOR ALL CONTRACTS BIDS-SPECS	9-25-67		REVISED #2

PROJECT DIRECTION C. B. McGREW
IN CHARGE K. ESME
DESIGNED BY E. L. S.
DRAWN BY R. J. COMSTOCK
CHECKED BY K. E.
DATE SEPT 25, 1967
APPROVED BY
DATE 9/27/67

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

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CLEVELAND OHIO

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ADRIAN N. LANGIUS, DIRECTOR

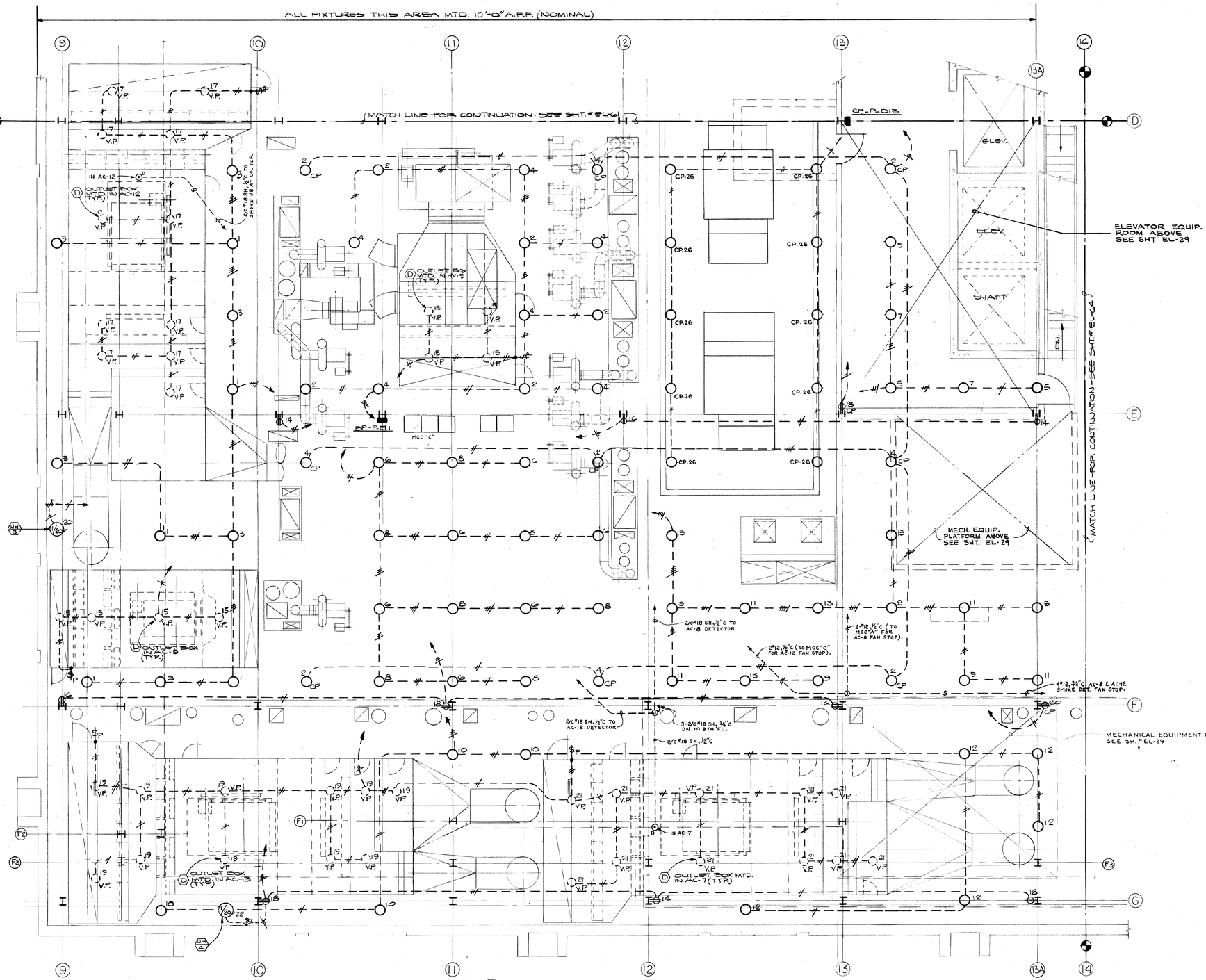
REVIEW ☐ ISSUED ☐
CONSTRUCTION ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD ☐

SHEET TITLE: PENTHOUSE (NORTH-WEST) LIGHTING, RECEPT. & MISC. SYSTEMS LAYOUT

ARCHITECTS JOB NO. 66-121

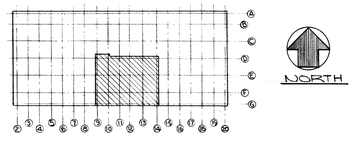
SHEET NO. EL-61

B. K. ELLIOTT CO. 301 780 1-67*



PENTHOUSE
SOUTH-WEST SECTION
LIGHTING, RECEPT. & MISC. SYSTEMS
SCALE: 1/4" = 1'-0"

NOTE: ALL FIXTURES ARE TYPE "M", UNLESS OTHERWISE NOTED.



KEY PLAN

PROJECT DIRECTION C. B. McGREW	IN CHARGE K. ESME				
DESIGNED BY E. L. S.	DRAWN BY R. J. COMSTOCK				
CHECKED BY K. E.	DATE SEPT. 25, 1967				
APPROVED BY					
DESIGN SUPERVISOR	PROJECT MANAGER				
11-2-65	GENERAL CONTRACT CONSTR.	R.K.L.	%		
12-6-67	(REVISED) BIDS - SPEC.	12-7-67			
10-9-67	ALL CONTRACTS BIDS-ADDENDA	10-10-67	K.E.	ADDM	
5-25-67	ALL CONTRACTS-BIDS-SPECS	DATE	BY	REVISIONS	

ISSUED FOR — REVISIONS

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DETROIT MICHIGAN

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CLEVELAND OHIO

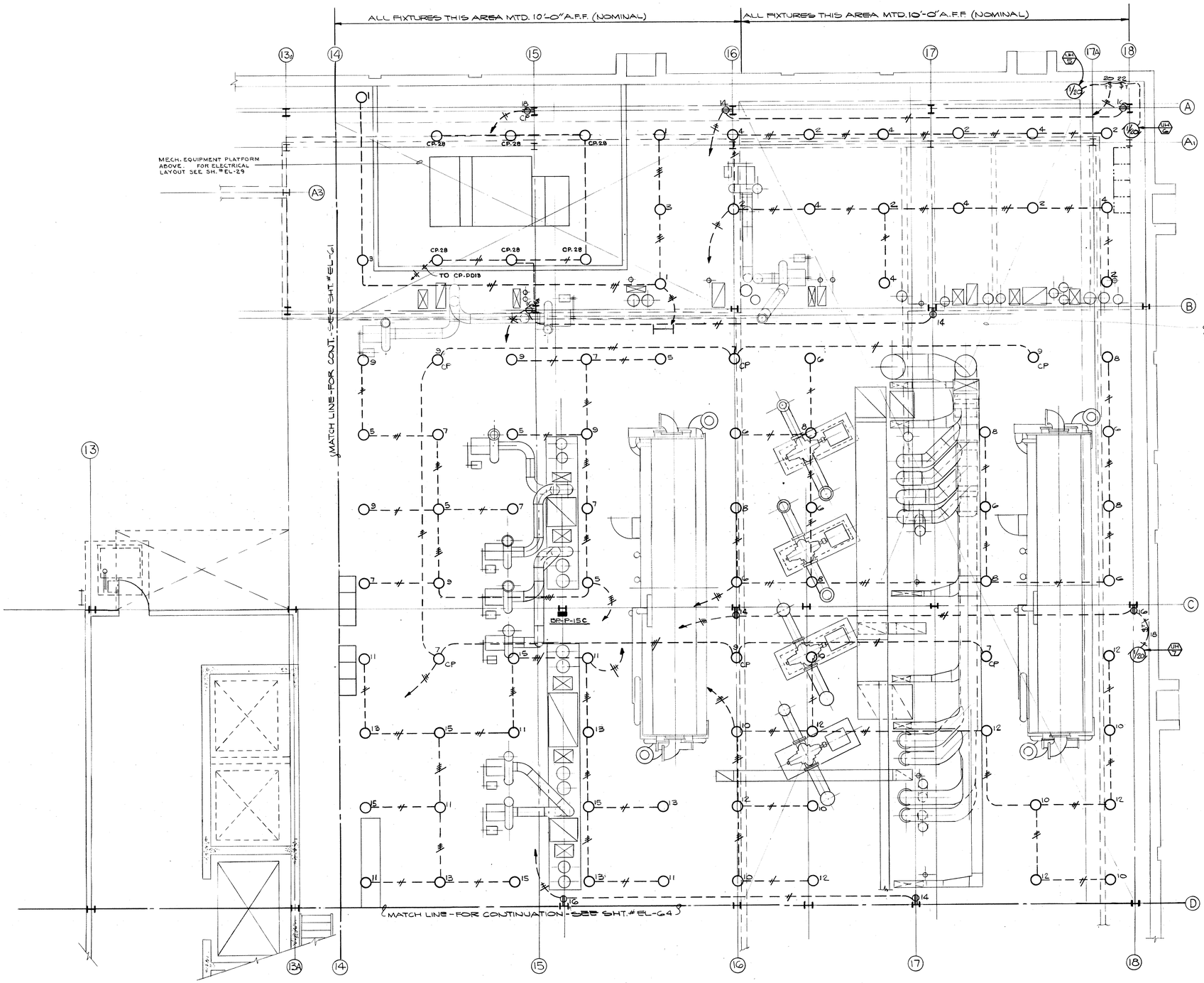
STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐ ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD ☐
SHEET TITLE: PENTHOUSE (SOUTH-WEST) LIGHTING, RECEPT. & MISC. SYSTEMS LAYOUT

ARCHITECTS JOB NO. 66-121

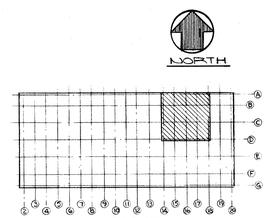
SHEET NO. EL-62

B. K. ELLIOTT CO. 301 750 1-67•



PENTHOUSE
NORTH-EAST SECTION
LIGHTING, RECEPT. & MISC. SYSTEMS
SCALE: 1/4"=1'-0"

NOTE: ALL FIXTURES ARE TYPE 'M', UNLESS OTHERWISE NOTED.



KEY PLAN

PROJECT DIRECTION: C. B. McGREW
DESIGNED BY: ELS
CHECKED BY: K.E.
APPROVED BY: K.E.
DRAWN BY: R.J. COMSTOCK
DATE: SEPT. 25, 1967

DATE	REVISIONS	BY	DATE	ISSUED FOR
12-2-67	GENERAL CONTRACT CONSTR. CONTRACT #1 BIDS - 2 SHEET	K.E.	10-9-67	ADD. #1
12-6-67	PARTIAL BIDS - 4 SHEET		9-25-67	BULL. No.

ISSUED FOR CONSTRUCTION UPON APPROVAL OF CAPITAL PROGRAMS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW ☐
CONSTRUCTION ☐
FINAL RECORD ☐

ACCOUNT NO. 100-1590-250-026
PROJECT NO. 67-157
LIGHTING, RECEPT. & MISC. SYSTEMS LAYOUT

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-63

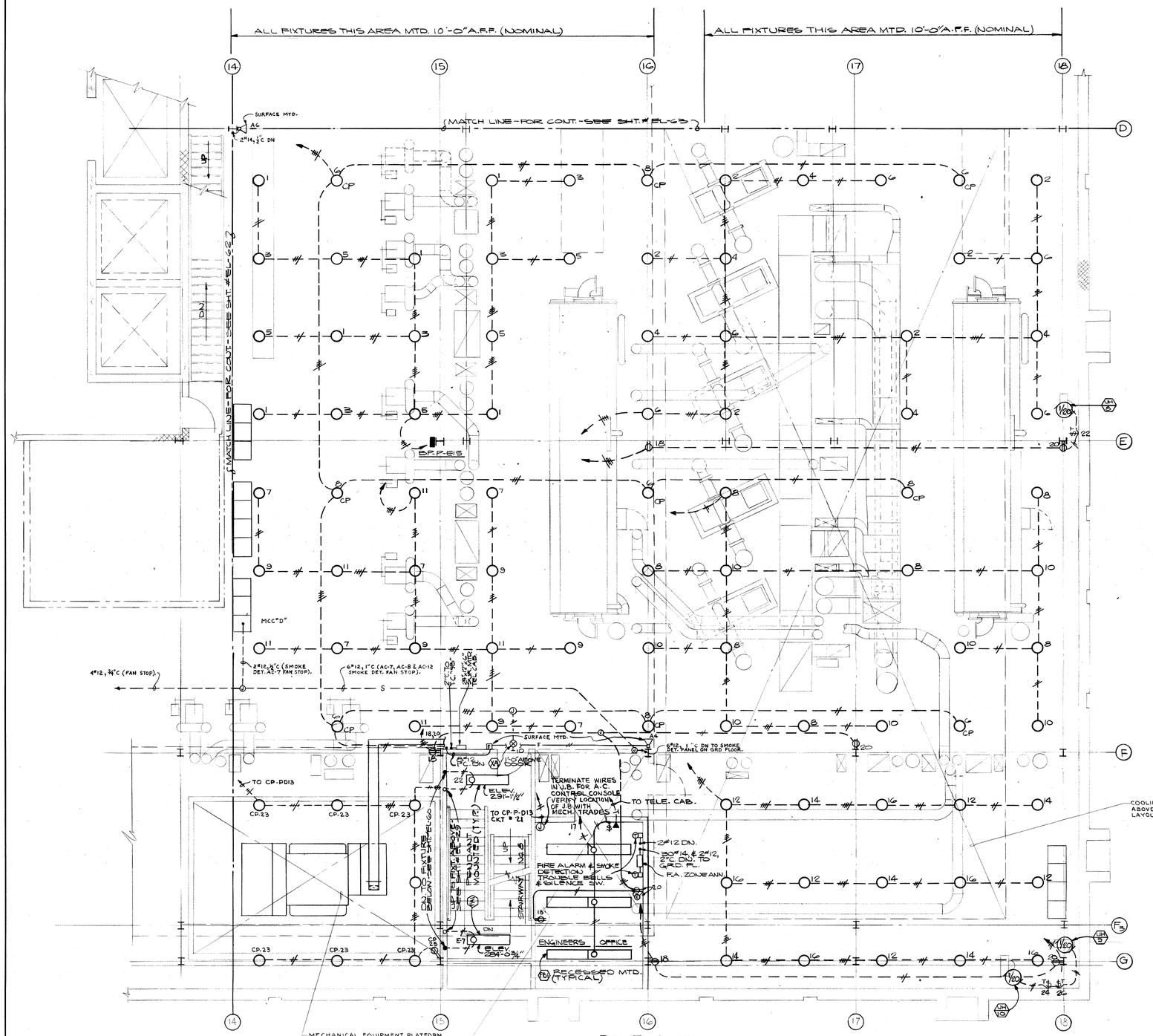
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DETROIT MICHIGAN

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SERVICE MICH. 129-152, RESEARCH FACILITIES AND RESOURCES
NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE PPL-1962

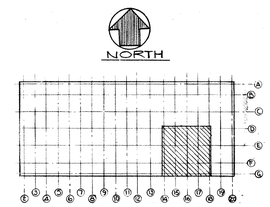
JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

B. K. ELLIOTT CO. 301 750 1-67



PENTHOUSE
SOUTH - EAST SECTION
LIGHTING, RECEPT. & MISC. SYSTEMS
SCALE: 1/4" = 1'-0"

NOTE: ALL FIXTURES ARE TYPE "M", UNLESS OTHERWISE NOTED.



KEY PLAN

PROJECT DIRECTION C. B. McDREW
DESIGNED BY E. E. S.
CHECKED BY K. E.
DATE SEPT. 25, 1967
APPROVED 9/11/67
IN CHARGE K. ESHE
DRAWN BY R. J. COMSTOCK

12-2-68	GENERAL CONTRACT CONSTR.					
12-6-67	(REVISED) ADDN. - SPECS.	K.E.	12-14-67	K.E.	ADD'N	
10-9-67	ALL CONTRACTS BIDS-ADDENDUM	K.E.	10-9-67	BAT	BIDDING	
9-25-67	ALL CONTRACTS-BIDS-SPECS	DATE	REVISIONS	DATE	ISSUED FOR	REVISIONS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

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ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

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ADRIAN N. LANGIUS, DIRECTOR

REVIEW
CONSTRUCTION ☐ ☐
FINAL RECORD ☐ ☐

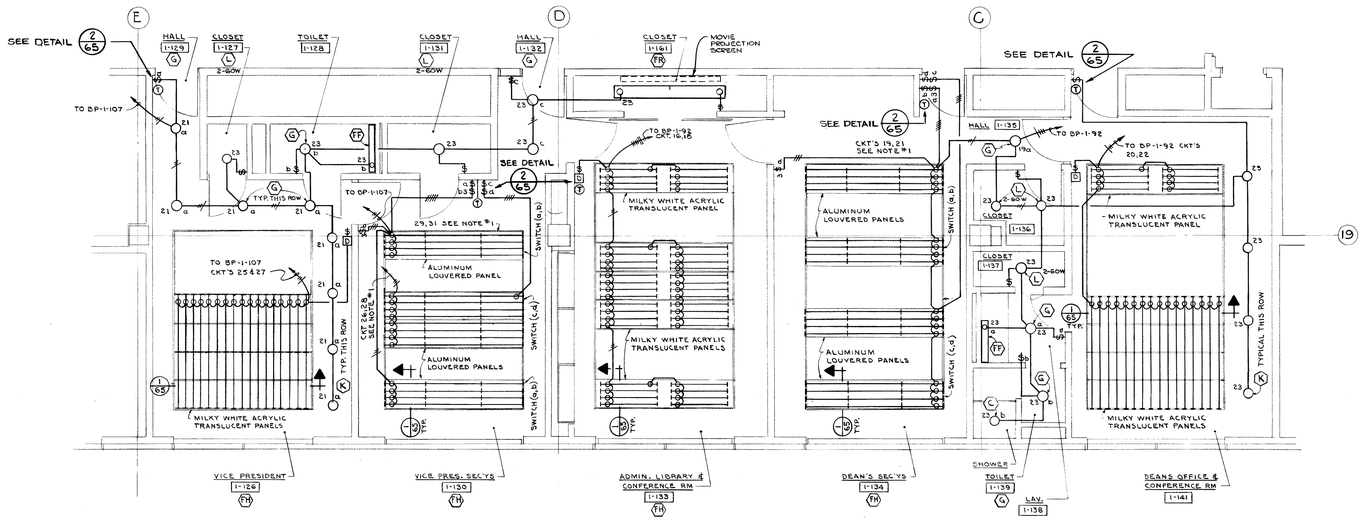
ISSUED
ACCOUNT NO. 100-1590-250-026

SHEET TITLE
PENTHOUSE (SOUTH-EAST).
LIGHTING, RECEPT. & MISC. SYSTEMS LAYOUT

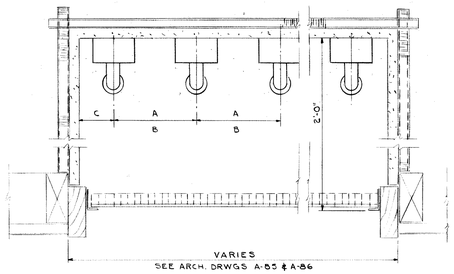
ARCHITECTS JOB NO.
66-121

SHEET NO.
EL-64

B. K. ELLIOTT CO. 301 750 1-67+

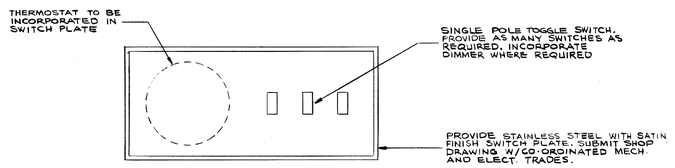


ENLARGED PLAN
OFFICES 1-126, 1-130, 1-133, 1-134, & 1-141
SCALE: ¼"=1'-0"



ROOM NO.	DIMENSION			REMARKS
	A	B	C	
1-126, 1-130, 1-133, 1-134, 1-141	6"	—	3"	IN RM 1-141, THE "A" & "C" DIMENSIONS APPLY TO THE 2'x10' COFFER ONLY
1-141	—	7"	2 1/4"	IN RM 1-141, THE "B" & "C" DIMENSIONS APPLY TO THE 8'x10' COFFER ONLY

DETAIL 1/65
N.T.S.



DETAIL 2/65
N.T.S.

NOTES:
1. WIRE ALTERNATE ROWS ON EACH INDICATED CIRCUIT.

PROJECT DIRECTOR: C. B. McGREW	IN CHARGE: K. ESHE		
DESIGNED BY: C.V.Z.	DRAWN BY: E.W.C.		
CHECKED BY: C.V.Z.	DATE: SEP. 25, 1967		
APPROVED:			
BY DIRECTOR OF CONSTRUCTION			

REVISIONS	DATE	BULL. NO.	BY	REVISIONS
ISSUED FOR	12-6-67			REVISED BIDS - SPECS
ISSUED FOR	12-6-67			REVISED BIDS - CONTRACTS
ISSUED FOR	3-13-68			ALL CONTRACTS-BIDS-SPECS

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ADRIAN N. LANGIUS, DIRECTOR

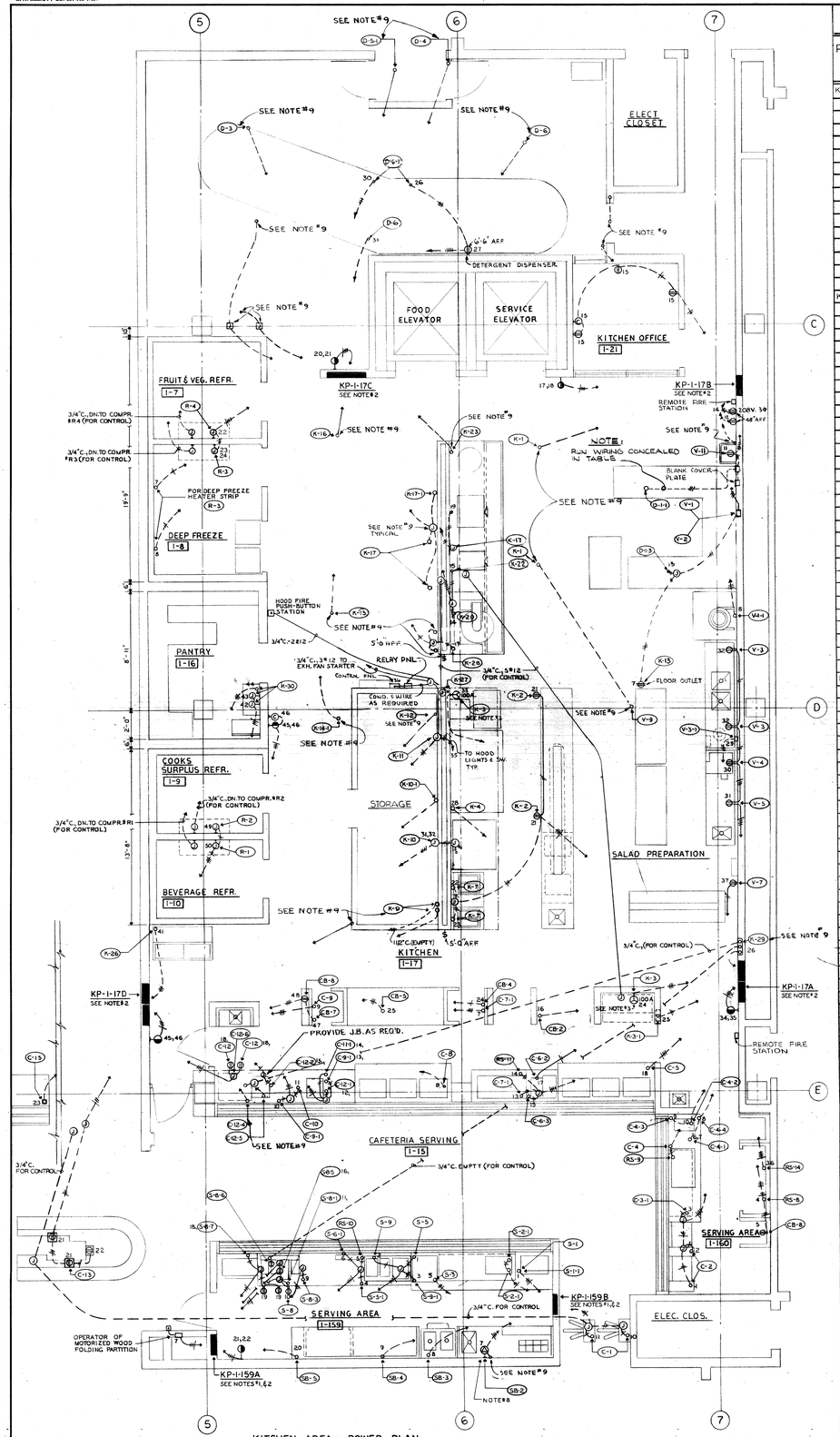
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CONSTRUCTION ☐ ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD ☐

SHEET TITLE: MISC. LIGHTING PART PLANS & DETAILS

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-65

B. K. ELLIOTT CO. 301 750 1-67•



KITCHEN AREA – POWER PLAN

SCALE: ¼" = 1'-0"

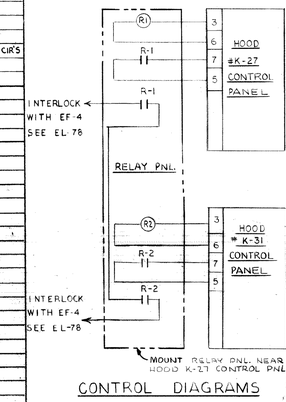
KITCHEN POWER PANEL SCHEDULES (208/120 V., 3φ, 4 W., S.N.)

PANEL No.	CIR. No.	BRANCH CIR. BKR. POLE	BRANCH CIR. BKR. TRIP AMP.	LOAD K.W. OR H.P.	KITCHEN ITEM NO.	DESCRIPTION	WIRE & CONDUIT SIZE	REMARKS
KP-159B	1	2	30	4.0	S-1 & S-11	HOT FOOD COUNTER &LTS	3#10 - 3/4"C.	
	2	1		2.0	S-2-1	INFRA RED HEAT LAMPS	3#10 & 1#12 - 3/4"C.	
	3			2.0	S-2-1	" " " "		
	4		20		S-2-1	OVERSHELF LTS & SHELF SEE SOL. VALVE		
	5	3	20	1+1	S-3	MILK SHAKE MACHINE	3#12-3/4"C.	
	6	1	20		SB-1	ABANDONED	3#6 & 1#12 - 3/4"C.	
	7	2	40	5.2	SB-2	COUNTER TOASTER		
	8	3	20	1+1+1	SB-3	SOFT ICE CREAM MACH	3#12 - 3/4"C	
	9	3	30	6.0	SB-4	COUNTER	3#10 - 3/4"C	
	10	1	20	0.3	C-1	TURNSTILE	3#12 - 3/4"C	
	11	1	20	0.3	C-1	"		
	13-15		20			3 (20A. I.P. SPARES)		
	15-20					6 SPACES		
KP-159A	1	1	20	1/3	S-5	ICE CREAM COMP.		
	2			1/3	S-9	BEVERAGE DISPENSER	4#12 - 3/4"C.	
	3			0.5	S-9-1	COLD WELL		
	4			0.4	S-5-1	OVERSHELF LTS & HTR.		
	5			1/3	RS-10	S-9-1 COLD WELL COMP.	4#12 - 3/4"C.	
	6			1.0	S-6-1	SODA COUNTER		
	7	3		3/4		MOTORIZED COIL PART	4#12 - 3/4"C.	
	8	1			S-8-2	ABANDONED	2#12 - 3/4"C.	
	9			1/3	S-8-3	CUP DISPENSER		
	10			1.0	S-8	BEVERAGE COUNTER 1φ		
	11			0.4	S-8-1	OVER-SHELF LTS.	3#12 - 3/4"C.	
	12				S-8-4	ABANDONED		
	13				S-8-5	ABANDONED		
	14		SPACE		S-8-5	" " "	3/4"C.	
	15				S-8-6	" " "		
	16	3	50	15.0	S-8-5	COFFEE DISP.	4"#8 - 1"C.	WAS S-8-5-1
	17		20		S-7	ABANDONED		
	18			0.8	S-8-7	HOT CHOC. DISPENSER	3#12 - 3/4"C.	
	19			0.4	S-8	BEVERAGE COUNTER 2φ		
	20	3		1/2	SB-5	UNDER COUNTER REFRIG.	4#12 - 3/4"C.	
	21	1				FLOOR CLEAN OUTLET	3#10 & 1#12-3/4"C.	
	22	2	30					
	23	1	20			SPARE		
	24-29					6-SPACES		POSITION FOR 36 CIR'S
KP-1-17A	1	1	20	0.8	C-2	SILVER DISPENSER		
	2			0.8	C-2	" "	4#12 - 3/4"C.	
	3			0.8	C-3-1	SOL. FOR RECOVER-SHELF		
	4	3		2	RS-8	COMP. FOR DISPLAY SHELF	5#12 - 3/4"C.	
	5	1		1.0	CB-5	ROLL-IN CABINET		
	6			1.5	C-4-1	PLATE DISPENSER		
	7			1.5	C-4-1	PLATE DISPENSER	4#12 - 3/4"C.	
	8			0.8	C-4-4	HOT FOOD WARMER		
	9			0.4	C-4-3	OVER SHELF LTS		
	10	2		1.0	C-4-2	BREAD HOT WELL	4#12 - 3/4"C.	
	11	1		0.6	C-4	BREAD COUNTER	3#12 - 3/4"C.	
	12			1/3	RS-9	SALAD DISPLAY		
	13			0.6	C-7-1	OVER-SHELF LTS.		
	14			1/3	RS-11	SALAD DISPLAY COUNTER	4#12 - 3/4"C.	
	15			0.6	C-6-3	OVER SHELF SOL. VALVE		
	16	3		2.75	CB-2	PASS THRU HOT FOOD STOR.	3#12 - 3/4"C.	
	17	2		1.0	C-6-2	BREAD HOT WELL	2#12 - 3/4"C.	
	18	3	70	14	C-5	HOT FOOD TABLE	4#6 - 1 1/4"C.	
	19			SPARE				
	20			SPARE				
	21	1	20	0.4	K-2	WORK TABLE		
	22			1.0	K-7	DOUBLE D.FAT FRYER	4#12 - 3/4"C.	
	23			1.0	K-7	" " " "		
	24	3	100	22.4	K-3	PORTABLE GRIDDLE	4#2 & 1#8 G - 2"C.	
	25	1	20	0.4	K-3-1	HOOD CONTROL PANEL	2#12 - 3/4"C.	
	26	1	20		K-29	ABANDONED	- 3/4"C.	
	27			SPACE				
	28	3	50	12.0	K-4	TILTING FRY PAN	3"& - 1 1/2"C.	
	29	3	20	1/2	V-3-1	GRINDER	3#12 - 3/4"C.	
	30	1		1/3	V-4	VEG. CUTTER & SLICER		
	31			.2	V-5	WORK TABLE	4#12 - 3/4"C.	
	32			.9	V-3	" "		
	33	3	100	22.4	K-3	PORTABLE GRIDDLE	4# 2 - 2"C. & 1#8 G.	
	34	2	30			FLOOR CLEANING OUTLET	3#10 & 1#12 - 3/4"C.	
	35	1	20					
	36	3		1/2	RS-14	ROLL-IN BACK REFRG.	4#12 - 3/4"C.	FOR CB-1
	37	1		1/4	V-7	PORTABLE SALADASSEMBLY	2#12 - 3/4"C.	
	38-39	1				2 (20A. I.P. SPARES)		
	40					24 SPACES		POSITION FOR 2X42 CIR'S
KP-1-17B	1	1	20	1.70		KITCHEN GEN. LT'S		SEE EL-49
	2			0.80		" " "	4#12 - 3/4"C.	" "
	3			1.05		" " "		" "
	4			1.50		" " "		" "
	5			1.75		" " "	4#12 - 3/4"C.	" "
	6			0.45		" " "		" "
	7				K-13 & D-1-3	SLICER & DRAIN TABLE	3#12 3/4"C.	V1 & V3 ABANDONED RE-USE FOR K13 & D-1-3
	8	3	50	10	V-1-1	VERT. CUTTER MIXER	3"& - 3/4"C.	STUB COND & CAP
	9	1	20		K-1	ABANDONED		
	10				V-9	" " "	3/4"C.	
	11			1/4	V-11	WATER FOUNTAIN	5#12 - 3/4"C	
	22	3		1/2	D-1-1	DISPOSER		
	12	1	20	.4		RECEPT. ON WALL	2"#12 - 3/4"C	
	14	3	20	3.0		208V., 3φ, OUTLET	3#12 - 3/4"C.	
	15	1		0.6		RECEPT'S IN OFFICE	2#12 - 3/4"C.	
	16		SPACE					
	17	2	30			FLOOR CLEANING OUTLET	3#10 & 1#12 - 3/4"C.	
	18	1	20					
	19	1	20			DOOR OPERATOR	2#12 - 3/4"C.	

PANEL No.	CIR. No.	BRANCH CIR. BKR. POLE	BRANCH CIR. BKR. TRIP AMP.	LOAD K.W. OR H.P.	KITCHEN ITEM NO.	DESCRIPTION	WIRE & CONDUIT SIZE	REMARKS
KP-1-17B	20-21	1	20			2 20A., 1 P. SPARES		
	23-31					3 SPACES		POSITION FOR 42 CIR'S
KP-1-17C	1	3	20			ABANDONED	3/4"C.	FOR D-1-1 SEE KP-1-17-B
	2				K-14-1	" " "	3/4"C.	
	3				D-3	" " "	3/4"C.	
	4				D-5-1	" " "	3/4"C.	
	5	3	40		D-6	" " "	3/4"C.	
	6	3	SPACE		D-4	" " "	3/4"C.	
	7	1	20	0.25	R-3	DEEP FREEZE HEATER STRIP	2#12 - 3/4"C.	FOR DEEP FREEZE
	8	1		0.25	R-3	" " " "	2#12 - 3/4"C.	" " "
	9	3	SPACE		K-15	ABANDONED	3/4"C.	
	10	1			K-16	ABANDONED	3/4"C.	
	11	1			K-17	" "		
	12	1			K-17	" "	- 3/4"C.	STUB & CAP EMPTY COND
	13	1			K-17-1	" "		
	14	3	20	2	K-20	TILT STM. JACK KETTLE	3"#12 - 3/4"C.	
	15	1	20	0.8	K-22	STEAMER		RELOCATED
	16	1	20					
	17	1	20	1.5	K-28	HOOD LIGHTS	2"#12 - 3/4"C.	
	18	1			K-21	ABANDONED		
	19	1			K-17	STEAMER	2#12 - 3/4"C	K-31-1 ABANDONED RE-USE FOR K-17
	20	1	20			FLOOR CLEANING OUTLET	3#10 & 1#12 - 3/4"C.	
	21	2	30					
	22	1	20	0.3	R-4	WALK-IN REFRIG.	4#12 - 3/4"C.	
	23	1		0.3	R-3	WALK-IN DEEP FREEZE		
	24	1		0.3	R-3	" " " "		
	25		20			ABANDONED	- 3/4"C.	FOR D-1-1 & D-1-2 SEE KP-1-15B
	26	3		3 HP	D-6-1	DISHWASHING DISPOSAL	5#12 - 3/4"C.	
	27	1		1/4		DETERGENT DISPENSER		
	28-29	1				2 (20A., 1 P. SPARES)		
	30	3	20	3HP	D-6-1	DISHWASHING DISPOSAL	3"#12 - 3/4"C.	
	31	3	40	6 1/2 HP	D-6	DISHWASHING UNIT	3"#8 - 1 1/4"C.	
	32-37					6 - SPACES		POSITION FOR 2X30 CIR'S
					K-23	ABANDONED	- 3/4"C.	
KP-1-17D	1	1	20	0.6		KITCHEN GEN. LT'S.		SEE EL-49
	2			1.5		" " "		" "
	3			1.2		" " "	4#12 - 3/4"C.	" "
	4			0.8		" " "		" "
	5			1.1		" " "		" "
	6			0.9		" " "		" "
	7	3		2	C-7-1	OVER-SHELF (COMPR)	3#12 - 3/4"C.	
	8	3	50	14.0	C-8	HOT FOOD TABLE	4#6 - 1 1/2"C.	
	9	3	20	2	C-9	DESSERT DIS. COUNTER	3#12 - 3/4"C.	
	10	1		0.2	C-9-1	OVERSHELF S.W.	3#12 - 3/4"C.	
	11	1		0.8	C-10	SODA DIS. COUNTER		
	12	1		1/3	C-11-1	GLASS DISPENSER		
	13			0.8	C-9-1	OVERSHELF LTS.	4#12 - 3/4"C.	
	14			0.8	C-12-1	" "		
	15			0.8	C-12-2	CUP DISPENSER	2#12 - 3/4"C.	C-12-3 ABANDONED
	16				C-12-4	ABANDONED	- 3/4"C.	
	17	1	20		C-12-5	"		
	18	1	1	0.4	C-12	2 RECEPTACLES	2#12 - 3/4"C.	
	19	1	1		C-12-6	ABANDONED		
	20	3	50	15.0	C-12-5	COFFEE DISP.	4"#8 - 1"C	WAS C-12-5-1
	21	1	20	0.6	C-13	CASHIER'S STAND	3#12 - 3/4"C.	C-14 ABANDONED
	22	1	20					
	23			1/4	C-15	CAFETERIA WATER STATION	2#12 - 3/4"C.	
	24			1/3	CB-4	ROLL-IN PASS THRU REFR.	2#12 - 3/4"C.	
	25	3		2.75	CB-5	PASS THRU H. FOOD STOR.	3#12 - 3/4"C.	
	26	1				SPARE		
	27	SPACE						
	28				K-9	ABANDONED	3/4"C.	
	29							
	30	3			K-9	ABANDONED	1 1/2"C. (EMPTY)	STUB & CAP EMPTY COND.
	31	2	20	3/4	K-10	CONVECTION OVEN	4#12 - 3/4"C.	
	32			3/4	K-10	" "		
	33			SPACE	K-10-1			STUB & CAP EMPTY COND.
	34			SPACE	K-10-1		3/4"C. (EMPTY) SEE NOTE #9	
	35	1		1.5	K-27	HOOD LIGHTS		
	36					HOOD CONTROL PANEL	3#12 - 3/4"C.	
	37				K-11	ABANDONED RE-USE LOCATION SEE KP-1-17B		
	38	3	SPACE		K-12	ABANDONED	- 2"C.	
	39	1			K-13	" " "		
	40	1			K-14	" " "	3/4"C.	
	41	3	20	1	K-26	ICE MAKER	3#12 - 3/4"C.	
	42	1		1/4	K-30	K-WAY SODA FACTORY	3#12 - 3/4"C.	
	43	1		1/4	K-30	" " " "		
	44	3		1/2	K-30	" " " "	3#12 - 3/4"C.	
	45	2	30			FLOOR CLEANING OUTLET	3#10 & 1#12 - 3/4"C.	
	46	1	20					
	47			1/3	CB-7	ROLL-IN PASS THRU REFR.	3#12 - 3/4"C.	
	48			0.2	C-8-8	ROLL-IN CABINET		
	49			0.3	R-2	WALK-IN REFR.	3#12 - 3/4"C.	
	50			0.3	R-1	" " "		
	51					SPARE		
	52-63					10 SPACES		POSITION FOR 2X42 CIR'S

GENERAL NOTES:

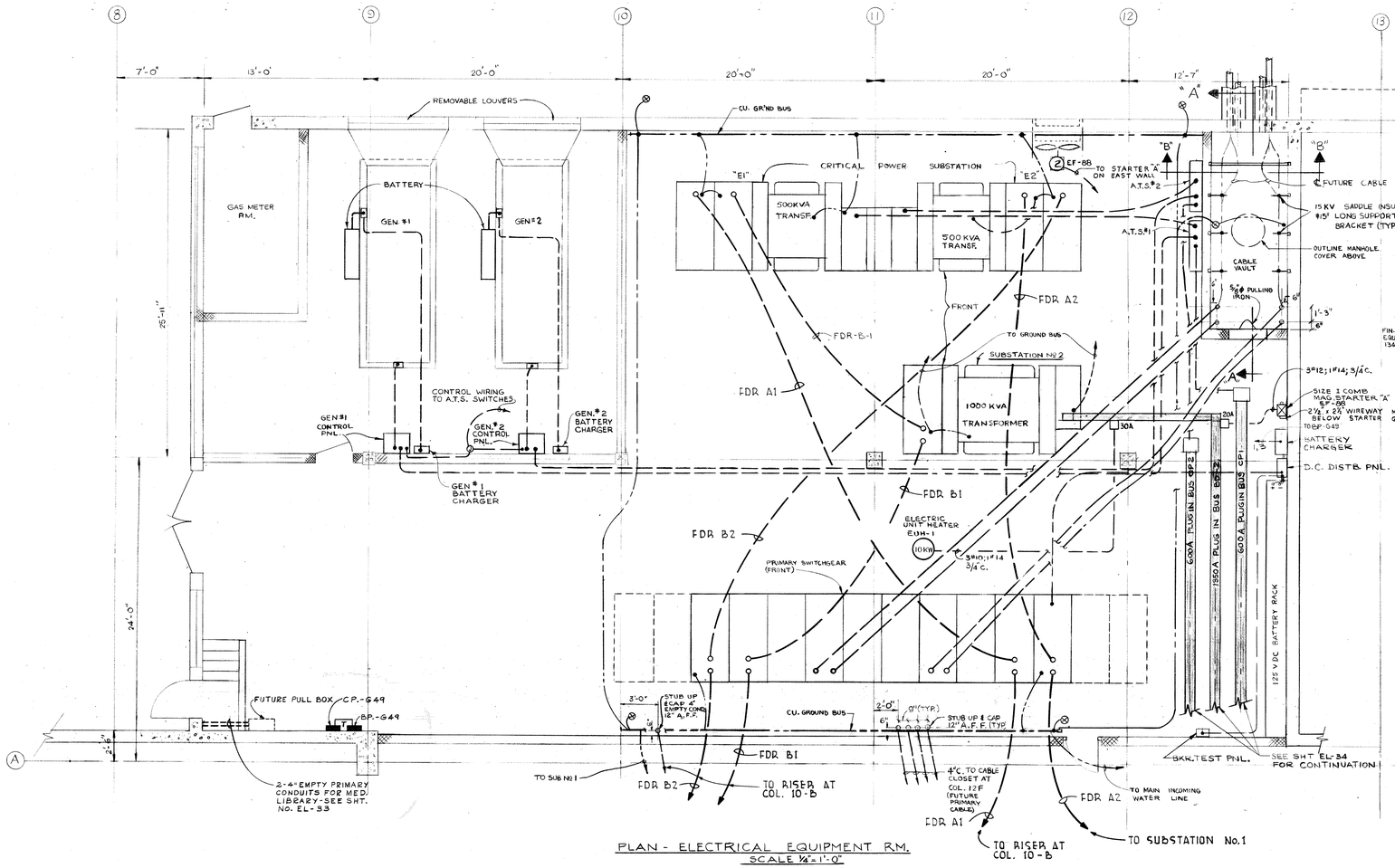
1. BOTTOM OF PANEL SHALL BE MOUNTED 6" ABOVE FINISHED FLOOR.
2. PROVIDE 2-1 1/4" CONDUITS FROM FLUSH PANELS TO CEILING SPACE FOR FUTURE USE.
3. PROVIDE A 100 AMP., 240 V., 3φ, 4 W., S P. GROUNDING TYPE RECEPTACLE OUTLET.
4. FURNISH AND INSTALL UNFUSED DISCONNECT SWITCH AND WIRE UP COMPLETE TO VENDORS CONTROL TRANSFORMER, DOOR OPERATOR, FLOOR CONTROL DEVICES AT CARPET, ETC. IN ACCORDANCE WITH MANUFACTURERS WIRING DIAGRAM.
5. SEE KITCHEN EQUIPMENT SPECIFICATIONS FOR EQUIPMENT DESCRIPTIONS.
6. ALL ROUGHING IN OF CONDUITS TO EQUIPMENT LOCATIONS AND MOUNTING HEIGHTS OF RECEPTACLE OUTLETS SHALL BE IN ACCORDANCE WITH THE KITCHEN EQUIPMENT CONTRACTORS LAYOUT DRAWINGS OR AS DIRECTED.
7. CONDUITS ENTERING OR LEAVING WALK-IN REFRIGERATOR SHALL BE PROVIDED WITH APPROVED SEALS.
8. PROVIDE A 50A., 208/120 V., 1φ, 3 W. GROUNDING TYPE RECEPTACLE FOR TOASTER ITEM # M-14 RECEPTACLE CONFIGURATION SHALL BE AS DIRECTED BY KITCHEN EQUIPMENT CONTRACTOR
9. TERMINATE CONDUIT & CAP FLUSH WITH CONCRETE FLOOR (FOR ALL ABANDONED CONDUITS.)



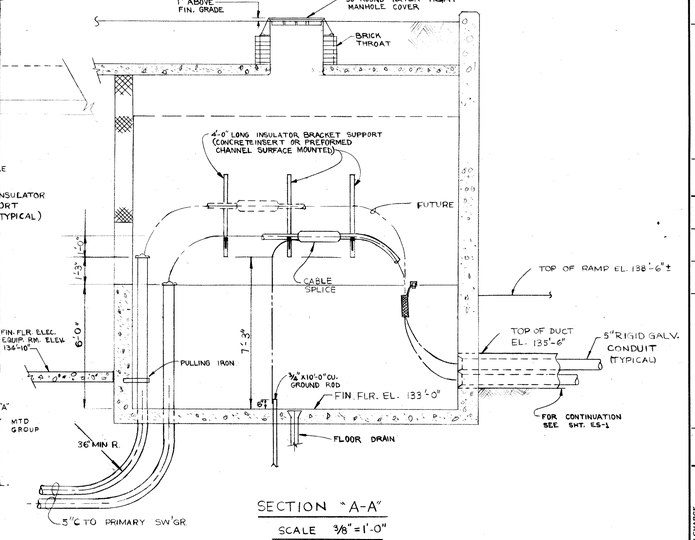
CONTROL DIAGRAMS

NO.	DATE	REVISIONS	BY	APPR. NO.

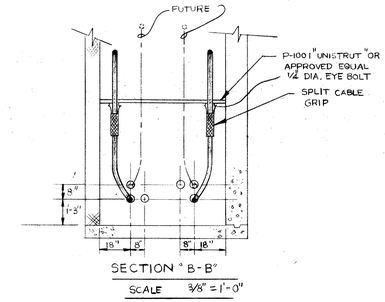
B. K. ELLIOTT CO. 301 790 1-427



PLAN - ELECTRICAL EQUIPMENT RM.
SCALE ¼"=1'-0"



SECTION "A-A"
SCALE 3/8"=1'-0"



SECTION "B-B"
SCALE 3/8"=1'-0"

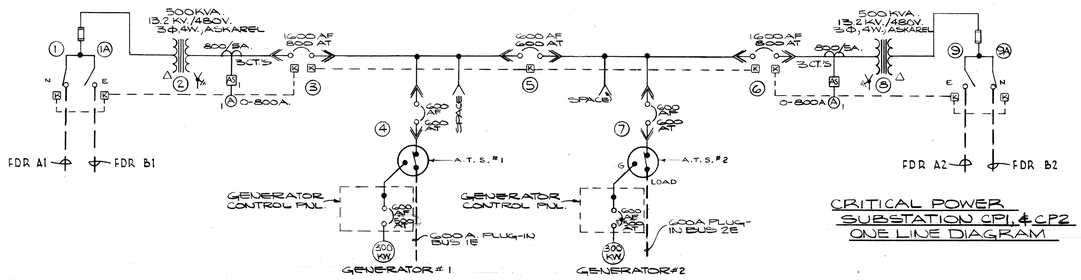
NORTH

1	1A	TRANSITION SECTION 2	TRANSITION SECTION	A V / A5 M5	SPACE	A V / A5 M5	TRANSITION SECTION	TRANSITION SECTION	TRANSITION SECTION	9	9A
				3	5	6					
				4	SPACE	7					

FRONT ELEVATION
SUBSTATION CP1 & CP2
CRITICAL POWER
NOT TO SCALE

NOTES

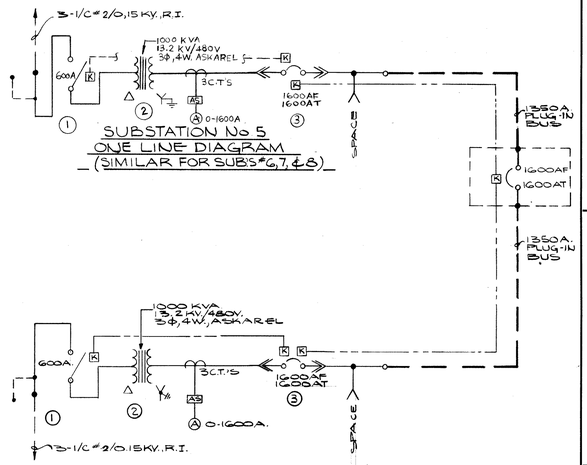
1. ALL CONDUIT BENDS FOR PRIMARY CABLE SHALL HAVE 36" MIN. BENDING RADII.
2. FOR CONDUIT & WIRE SIZES, SEE RESPECTIVE SYSTEM ONE LINE & RISER DIAGRAMS.
3. FOR GROUNDING SYSTEM SEE SHT EL-9
4. FOR D.C. SYSTEM ONE LINE DIAGRAM SEE SHT. EL 13



CRITICAL POWER
SUBSTATION CP1, & CP2
ONE LINE DIAGRAM

1	TRANSITION SECTION 2	TRANSITION SECTION	A / A5 M5	3	SPACE

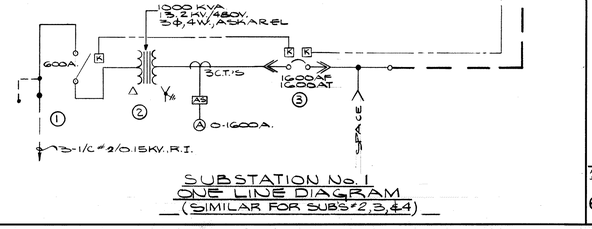
FRONT ELEVATION
SUBSTATIONS Nº 3,4 & 7
NOT TO SCALE



SUBSTATION No 5
ONE LINE DIAGRAM
(SIMILAR FOR SUBS #6, 7, & 8)

A / A5 M5	3	SPACE	TRANSITION SECTION	2	TRANSITION SECTION	1

FRONT ELEVATION
SUBSTATIONS Nº 1, 2, 6, & 8
NOT TO SCALE



SUBSTATION No. 1
ONE LINE DIAGRAM
(SIMILAR FOR SUBS #2, 3, & 4)

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES SERVICE, MICH.-129-153 RESEARCH FACILITIES AND NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE-CC-65

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

REVISIONS	DATE	BY	BILL NO.	DATE	REVISIONS
ISSUED FOR	4-11-68	K.E.	No 1		ISSUED FOR
12-6-67 PLUMBING WORK CONTRACT	12-6-67				
9-25-67 ALL CONTRACTS-BIDS-SPECS					

PROJECT DIRECTOR C. B. McGREW
DIRECTED BY C. B. McG.
CHECKED BY J. J. S. / K. E.
APPROVED
IN CHARGE K. ESME
DRAWN BY A.T.S.
DATE SEPT. 25, 1967
APPROVED

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

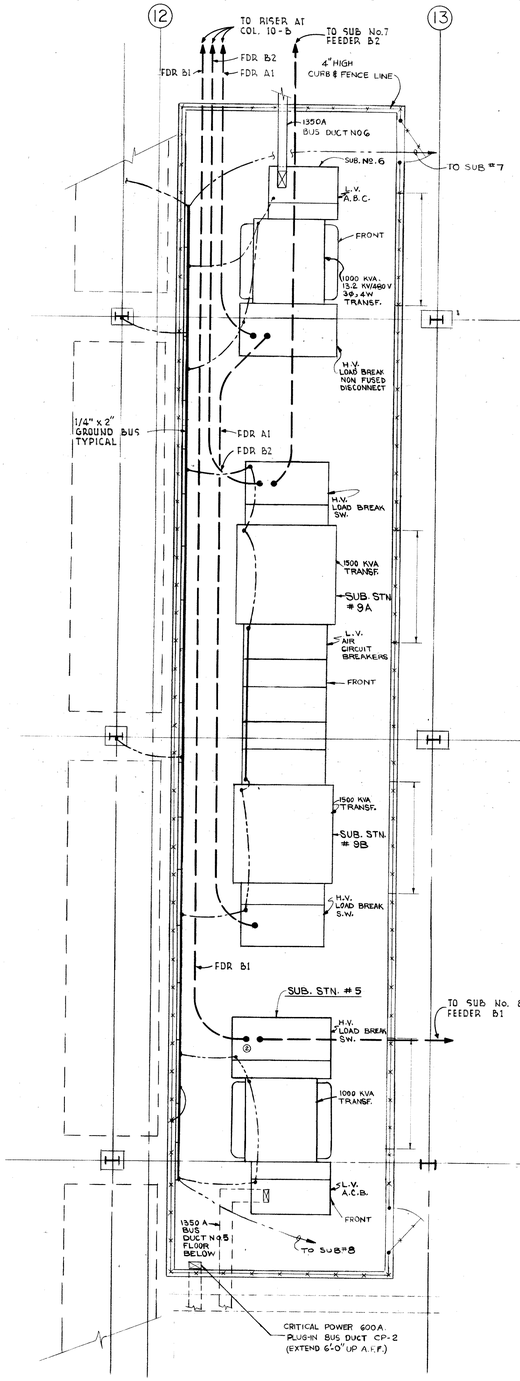
ISSUED
REVIEW ☐
CONSTRUCTION ☐
FINAL RECORD ☐
ACCOUNT NO. 100-1590-250-026

SHEET DESCRIPTION
ENLARGED PLANS OF ELEC. EQUIPMENT ROOMS & DETAILS

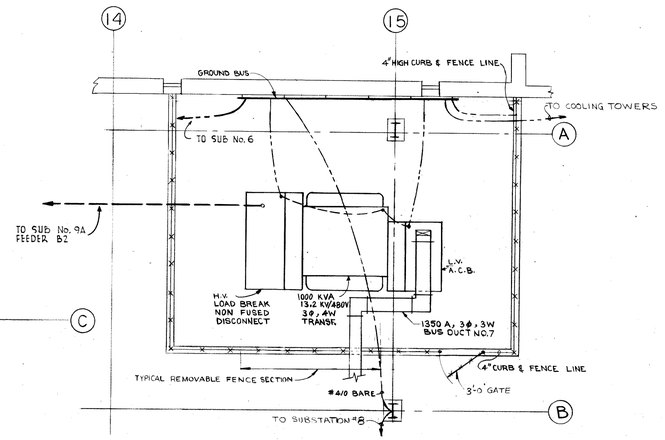
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-67

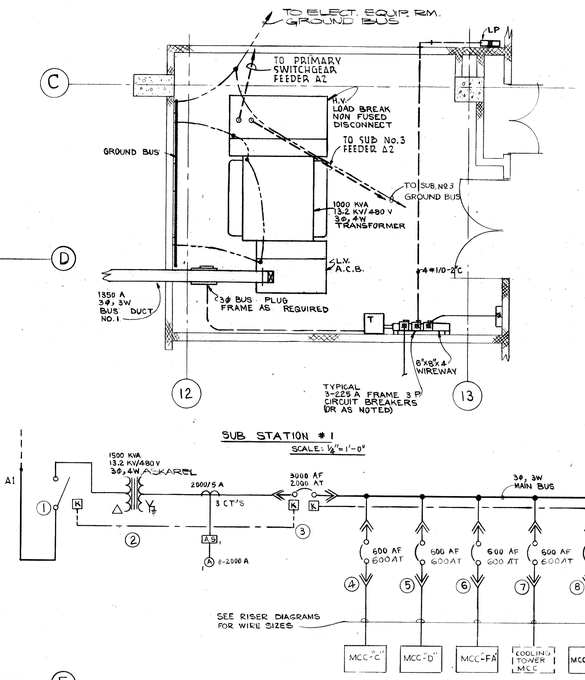
B. K. ELLIOTT CO. 301 350 1-67+

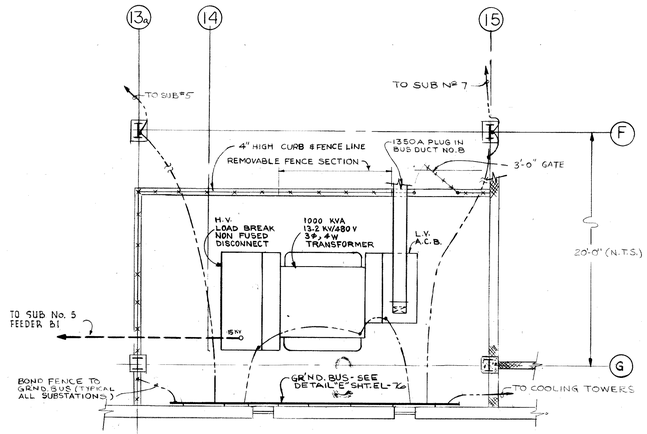


PENTHOUSE SUB STATIONS 5, 8, 9A & 9B
SCALE: 1/8"=1'-0"

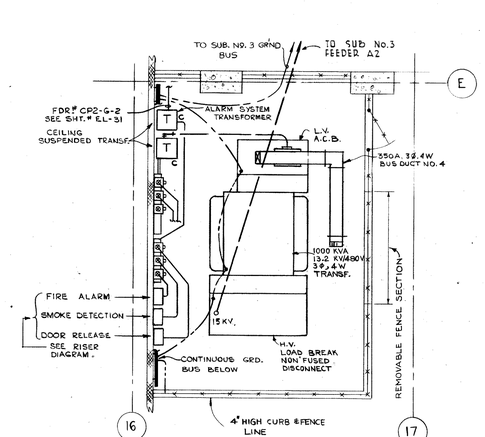


PENTHOUSE SUBSTATION #7
SCALE: 1/8"=1'-0"

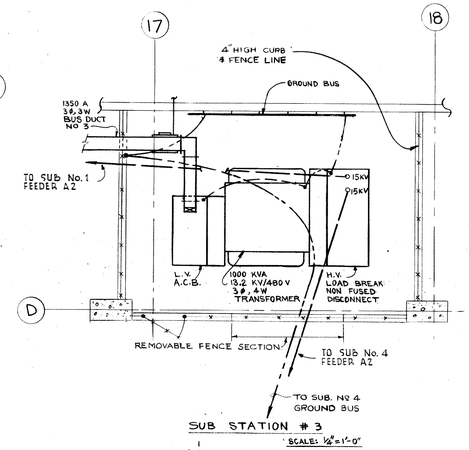




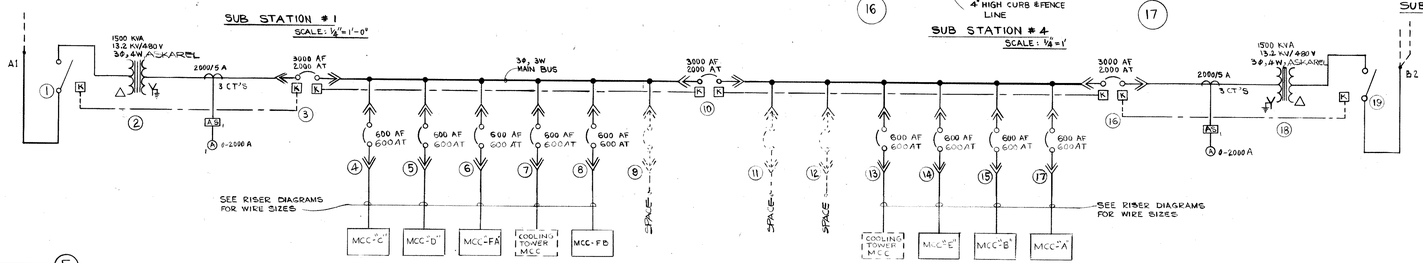
PENTHOUSE SUB STATION # 8
SCALE: 1/8"=1'-0"



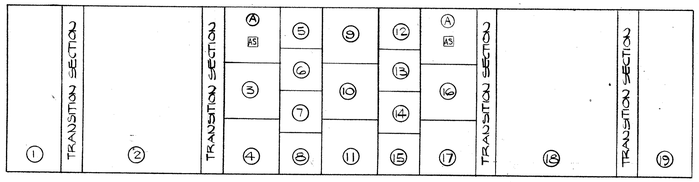
SUB STATION # 4
SCALE: 1/8"=1'



SUB STATION # 3
SCALE: 1/8"=1'-0"



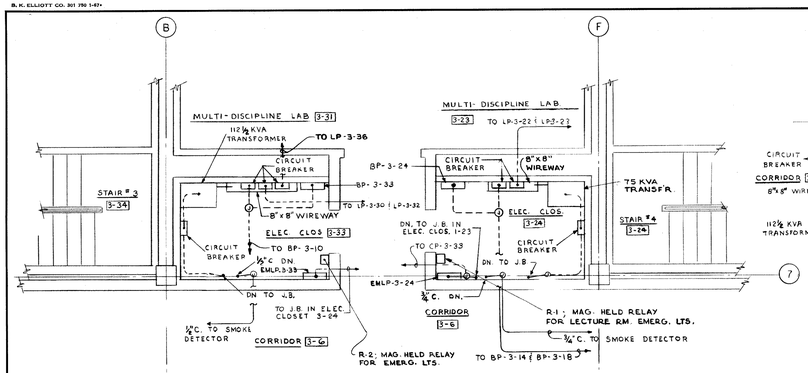
SUBSTATION No. 9
ONE LINE DIAGRAM

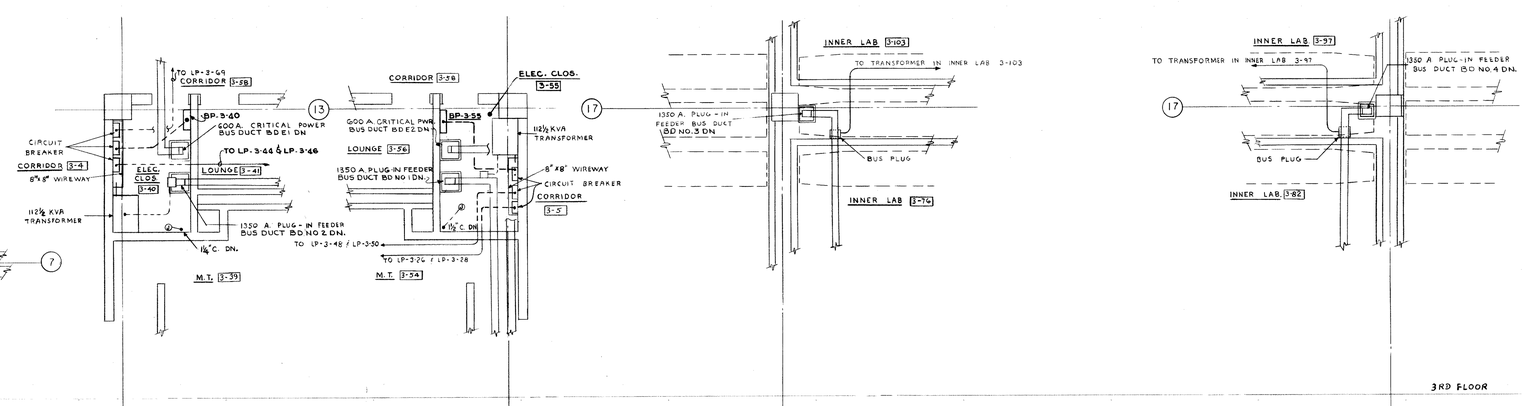


FRONT ELEVATION
SUBSTATION No. 9
NOT TO SCALE

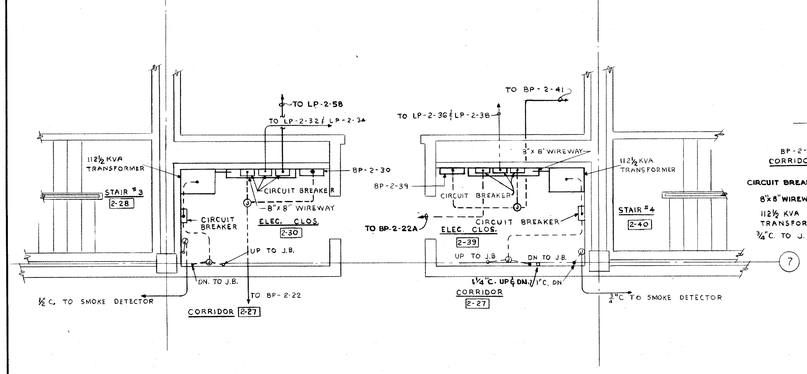
NORTH

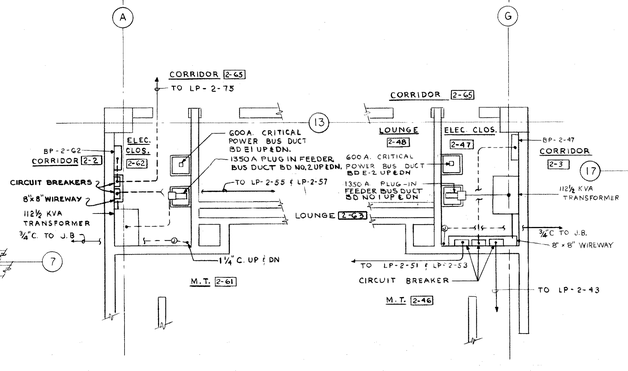
B. K. ELLIOTT CO. 301 750 1-67•

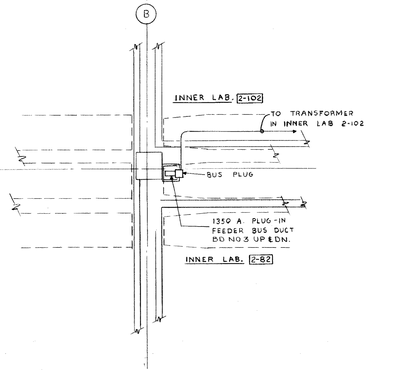


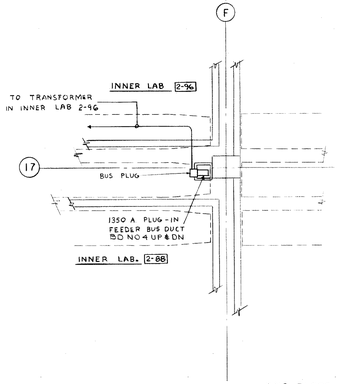


3RD FLOOR

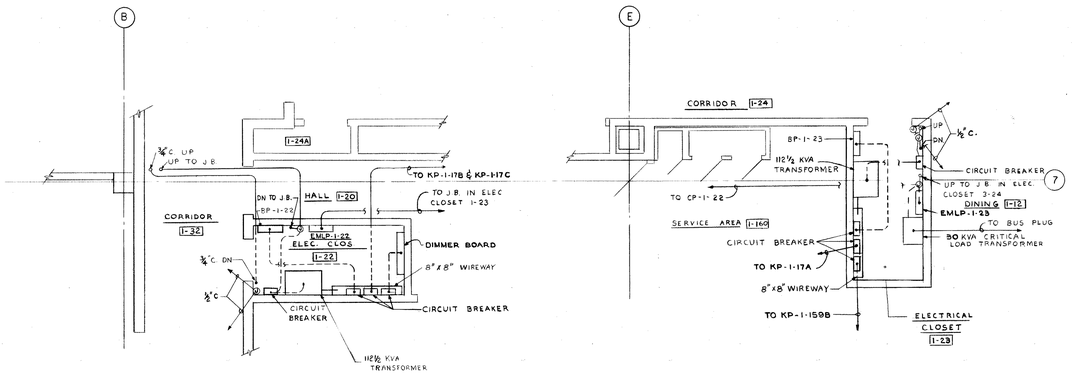


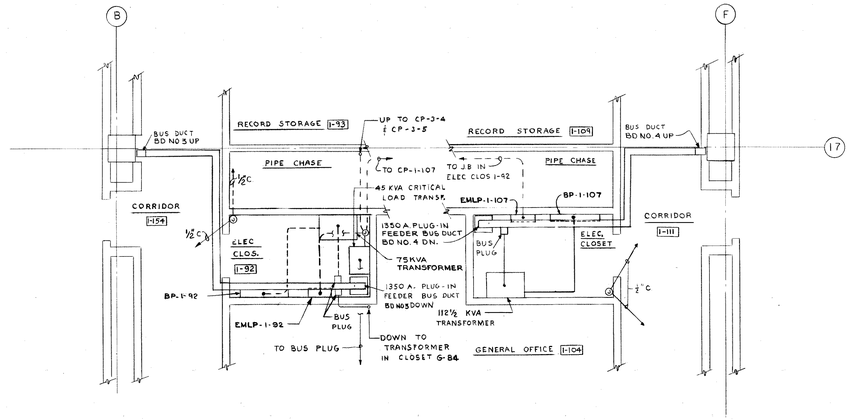




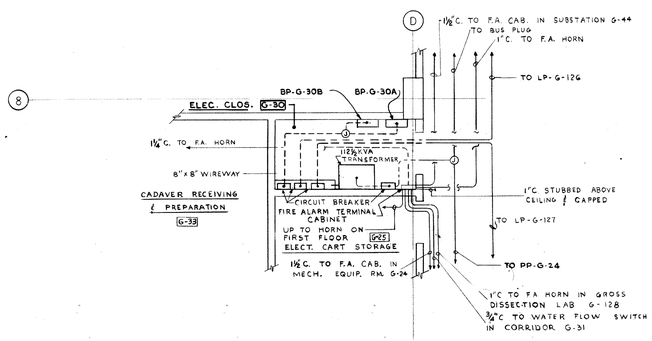


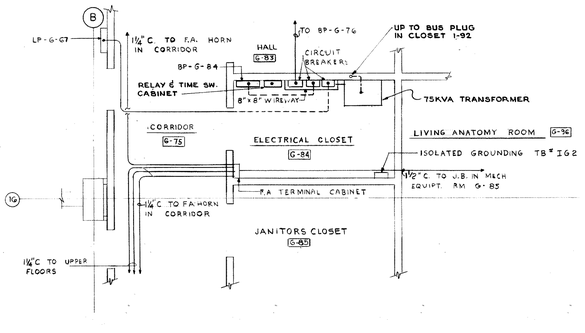
2ND FLOOR





1ST FLOOR





NORTH

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 123-152 RESEARCH FACILITIES AND NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE

NO.	DATE	REVISIONS	BY	ADD'S & DELL. NO.
	12-4-67	PLUMBING, FIRE PROTECT. & ELEC. SPECS. ADDED TO ALL CONTRACTS-BLDG-ADD'N	K.E.	
	2-26-68	ADDED ALL CONTRACTS-BLDG-SPECS		
	3-25-68	ALL CONTRACTS-BLDG-SPECS		

ISSUED FOR: PRELIMINARY; CONSTRUCTION; BIDS; CONTRACT; CAPITAL PROJECTS; REVISIONS

PROJECT DIRECTOR: C. B. McGREW
IN CHARGE: K. ESME
DESIGNED BY: J. H. K.
DRAWN BY: J. W. C.
CHECKED: J. H. K.
DATE: SEPT. 25, 1967
APPROVED: [signature]
DIRECTOR OF PHYSICAL PLANT AND CAMPUS SERVICES

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

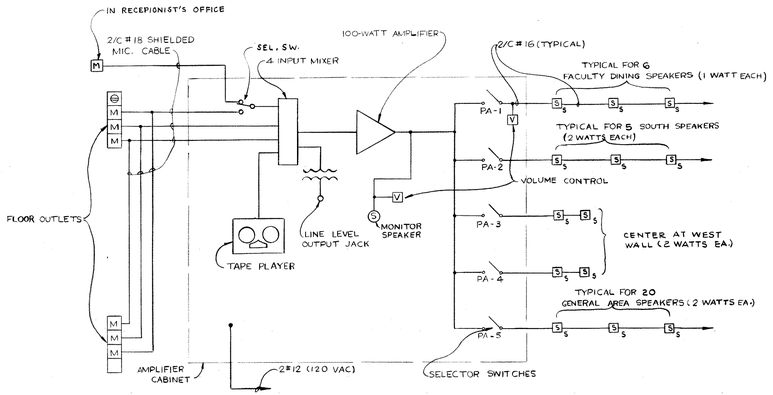
REVIEW: ☐ CONSTRUCTION ☐ FINAL RECORD
ISSUED: ☐☐☐
ACCOUNT NO. 100-1590-250-026

STREET TITLE: ENLARGED PLANS OF ELEC. CLOSETS.

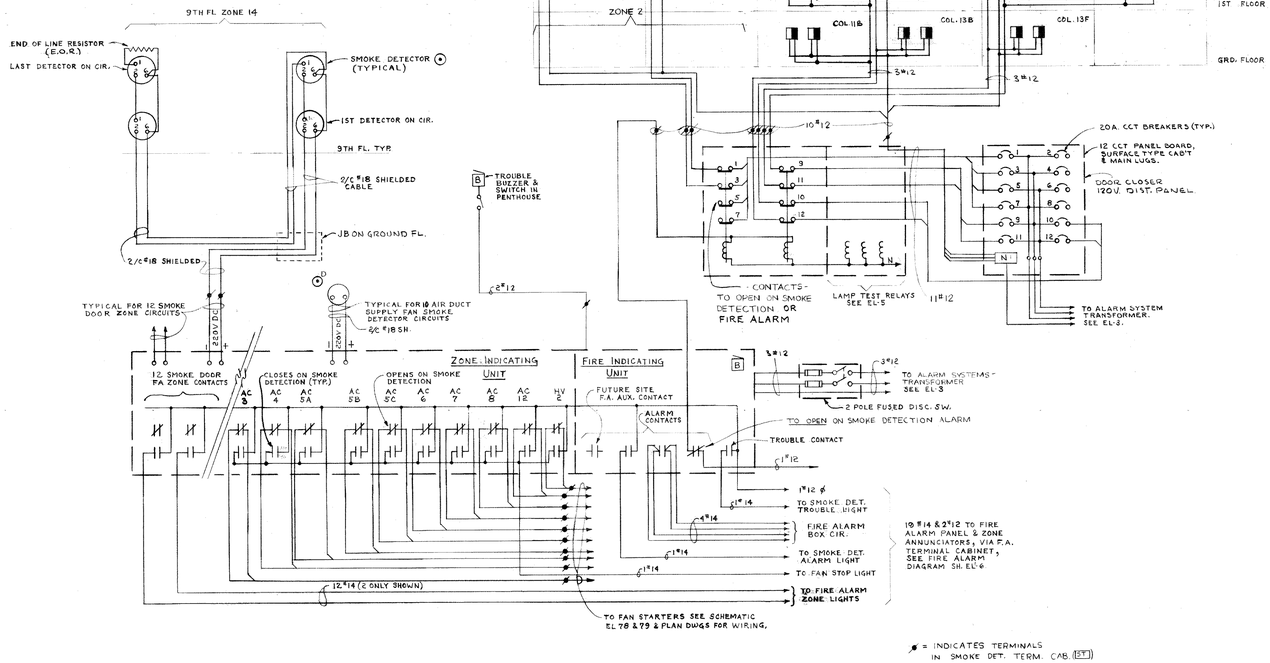
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-69

B. K. ELLIOTT CO. 301 250 1-67



CAFETERIA SOUND SYSTEM
ONE LINE DIAGRAM



SMOKE DETECTION ELEMENTARY DIAGRAM

PROJECT DIRECTOR	IN CHARGE
C.B. MCKENNEY	K.L. KLEINE
DESIGNED BY	DRAWN BY
A. J. FIELD	F.J.B.
CHECKED BY	DATE
APPROVED	SEPT. 25, 1967

NO.	DATE	REVISIONS	BY	BULL. NO.	DATE
1	12-4-67	PERMITTED MINOR CONTRACT REVISIONS	K.E.	ADD M1	
2	10-9-67	ALL CONTRACTS BIDS - ADDENDUM 1			
3	9-25-67	ALL CONTRACTS - BIDS SPECS			

ISSUED FOR

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES; PUBLIC HEALTH SERVICE; MICHIGAN DEPARTMENT OF HEALTH; FACILITIES AND CONSTRUCTION SERVICE; NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE FR 152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW: CONSTRUCTION ☐ FINAL RECORD ☐ ISSUED ☐
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: SMOKE DETECTION & P.A. SYSTEMS DIAGRAMS

ARCHITECT'S JOB NO. 66-121
SHEET NO. EL-7

B. K. ELLIOTT CO. 201 790 1-67

9TH FLOOR

15 — STAIR # 7 [9N-22] — INSTRUCTOR [9N-23A] — ELEC. CLOS. [9N-22A] — TO BD38, 12-15 — TO BD88, 16-17

NORTH CORRIDOR [9N]

W.T. [9C-20] — BP-9CB — CP-9CB — DN. TO J.B. — 112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — BUS PLUGS — PIPE CHASE — LP-9E19 — 9" TRAY — ELECTRICAL CLOSET [9C-20A] — BD715, B-C — INSTRUCTION & RESIDENT CHEM [9E-19]

ISOLATED GROUNDING TB # 12

600A CRITICAL POWER BUS DUCT BD E1 UP & DN

1350A. PLUG-IN FEEDER BUS DUCT BD NO. 7 UP & DN.

LP-9C2 — BUS PLUGS — BD615, B-C — PIPE CHASE — LP-9E1 — 9" TRAY — INSTRUCTOR STUDENT LAB. [9C-2] — CIRCUIT BREAKER — 112½ KVA TRANSF. C — 8'x8' WIREWAY — TEACHING FELLOW LAB [9E-1] — TO BD 817, E-F

SOUTH CORRIDOR [9S]

1350 A. PLUG-IN FEEDER BUS DUCT BD NO 8 UP TO PENTHOUSE — 2"C. UP — 8"#14 - 1"C UP — ELEC. CLOSET [9S-23A] — OFFICE NEURO-PY [9S-24] — STAIR # 8 [9S-23]

TO BD98, 10-11 — STAIR # 5 [9N-10] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO 6 UP & DN. — 8"#14 - 1"C UP — UP TO PENTHOUSE — ELEC. CLOS [9N-10A]

NORTH CORRIDOR [9N]

112½ KVA TRANSF. C — 8'x8' WIREWAY — LP-9C19 — CIRCUIT BREAKER — OFFICE [9W-20B] — PIPE CHASE — BUS PLUGS — BD812, B-D — LP-9W20 — 9" TRAY — COLD ROOM [9C-19B]

GRADUATE STUDENT OFFICE & LAB NEUROPATHY [9W-2] — 600A CRITICAL POWER BUS DUCT BD E2 UP TO PENTHOUSE — 1350A PLUG-IN FEEDER BUS DUCT BD NO. 5 UP & DN. — 9" TRAY — 225 A PLUG-IN BUS DUCT BD812, E-F — PIPE CHASE — LP-9W2 — BUS PLUG — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — ELEC. CLOS [9C-1C] — CP-9CA — DN. TO J.B. — BP-9CA — M.T. [9C-1B] — ISOLATED GROUNDING TB # 9 — TO BD910, D-F

SOUTH CORRIDOR [9S]

9"#14 - 1"C UP — STAIR # 6 [9S-11] — 2-3" SL. DN. — ¾" C. DN. — ELEC. CLOS [9S-11A] — SECRETARIAL OFFICE [9S-1G]

8TH FLOOR

15 — TELEPHONE CLOSET [8N-23A] — 9"#14 - 1"C. DN. — STAIR # 7 [8N-22] — ELEC. CLOS. [8N-22A] — TO BD88, 12-15 — TO BD88, 16-17

NORTH CORRIDOR [8N]

75 KVA CRITICAL POWER TRANSF. — BP-8CB DN. TO CP-7CB — CP-8CB UP TO CP-9CB — ELEC. CLOSET [8C-20A] — W.T. [8C-20] — ISOLATED GROUNDING TB # 11 — 112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — BUS PLUGS — PIPE CHASE — BD815, B-C — 9" TRAY — TISSUE CULTURE LAB [8E-19]

600A CRITICAL POWER BUS DUCT BD E1 UP & DN.

1350A. PLUG-IN FEEDER BUS DUCT BD NO. 7 UP & DN.

LP-8C2 — BUS PLUG — BD815, D-F — 9" TRAY — MICOLOGY LAB [8E-3] — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — TO BD 88, 16-17 — PIPE CHASE — PEDIATRIC LAB [8C-2]

SOUTH CORRIDOR [8S]

ELEC. CLOSET [8S-23A] — 1350A. PLUG-IN FEEDER BUS DUCT BD NO. 8 UP & DN. — 10"#14 - 1"C DN. — STAIR # 8 [8S-23] — ANATOMY COMMITTEE [8S-24A] — STENO POOL [8S-20]

TO BD88, 10-11 — STAIR # 5 [8N-10] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO. 6 UP & DN. — 10"#14 - 1"C DN. — ELEC. CLOS [8N-10A]

NORTH CORRIDOR [8N]

DARK ROOM [8N-11A] — 112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — CELL BIOLOGY LAB [8W-18] — PIPE CHASE — BUS PLUGS — LP-8W20 — BD812, B-D — 9" TRAY — FACULTY OFFICE [8C-19]

600A CRITICAL POWER BUS DUCT BD E2 UP & DN. — 1350A PLUG-IN FEEDER BUS DUCT BD NO. 5 UP & DN. — CARDIO VASCULAR LAB [8C-5] — EXPERIMENTAL EMBRYOLOGY LAB [8W-4] — TO TRANSF NEAR COL C-10 — 225 A. PLUG-IN BUS DUCT BD812, E-F — PIPE CHASE — LP-8W2 — BUS PLUG — CIRCUIT BREAKER — 8'x8' WIREWAY — EMLR. SCA2 — DN. TO CP-9CA — CP-8CA UP TO CP-9CA — BP-8CA — 112½ KVA TRANSF. C — ELEC. CLOS. [8C-1C] — M.T. [8C-1B] — 75 KVA CRITICAL POWER TRANSF. — ISOLATED GROUNDING TB # 5 — TO BD810, D-F

SOUTH CORRIDOR [8S]

¾" C. UP — STAIR # 6 [8S-11] — 2-3" SL. UP — ELEC. CLOS. [8S-11A] — 9"#14 - 1"C DN — RECEPTIONIST & SECRETARIAL OFFICE [8S-1G]

7TH FLOOR

15 — TELEPHONE CLOSET [7N-23A] — 8"#14 - 1"C. UP & 10"#14 - 1"C DN. — STAIR # 7 [7N-22] — ELEC. CLOSET [7N-23] — TO BD78, 12-15 — TO BD78, 16-17

NORTH CORRIDOR [7N]

W.T. [7C-20] — LP-7CB UP TO J.B. CP-7CB — 112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — ELECTRICAL CLOSET [7C-20A] — BUS PLUGS — PIPE CHASE — BD 715, C-D — COLD ROOM [7C-19B] — 9" TRAY — ISOLATED GROUNDING TB # 10

600A CRITICAL POWER BUS DUCT BD E1 UP & DN.

1350A. PLUG-IN FEEDER BUS DUCTS BD NO 7 UP & DN.

LP-7C2 — BUS PLUG — BD715, D-F — 9" TRAY — EQUIPMENT STORAGE [7E-3] — GRADUATE STUDENT RESEARCH LAB [7C-4] — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — TO BD78, 16-17 — PIPE CHASE

SOUTH CORRIDOR [7S]

ELEC. CLOS. [7S-23A] — STAIR # 8 [7S-23] — 10"#14 - 1"C UP & 11"#14 - 1¼"C. DN — INFECTION PROBLEMS [7S-24] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO. 8 UP & DN. — LP-7S22 — BD7F, 14-15 — LYOPHILE LAB [7S-22]

TO BD78, 10-11 — 10"#14 - 1"C UP & 11"#14 - 1¼"C DN — STAIR # 5 [7N-10] — 1350A. PLUG-IN. FEEDER BUS DUCT BD NO. 6 UP & DN. — ELEC. CLOS [7N-10A] — NATURAL PRODUCT DRUG LAB [7N-11]

NORTH CORRIDOR [7N]

112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — DARK ROOM [7W-18B] — PIPE CHASE — BUS PLUG — LP-7W20 — BD712, B-D — 9" TRAY — HUMAN BIOLOGY LAB. [7C-15]

600A CRITICAL POWER BUS DUCT BD E2 UP & DN. — CYTOLOGY CHEM. LAB. [7C-3] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO 5 UP & DN. — ELECTRON MICROSCOPE [7W-2B] — 9" TRAY — 225 A. PLUG-IN BUS DUCT BD712, E-F — PIPE CHASE — BUS PLUG — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — ELEC. CLOS. [7C-1C] — UP TO J.B. CP-7CA — BP-7CA — M.T. [7C-1B] — ISOLATED GROUNDING TB # 4 — TO BD710, D-F

SOUTH CORRIDOR [7S]

¾" C. UP — STAIR # 6 [7S-11] — 2-3" SL. UP — ELEC. CLOS. [7S-11A] — 9"#14 - 1"C. UP & 10"#14 - 1"C. DN. — SECRETARIAL OFFICE [7S-1G]

6TH FLOOR

15 — TELEPHONE CLOSET [6N-23A] — 10"#14 - 1"C. UP & 11"#14 - 1¼"C. DN — STAIR # 7 [6N-22] — ELEC. CLOSET [6N-22A] — TO BD68, 12-15 — TO BD68, 16-17

NORTH CORRIDOR [6N]

W.T. [6C-20] — BP-6CB — CP-6CB — DN. TO J.B. — 112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — ISOTOPE PREPARATION LAB [6E-19] — ELECTRICAL CLOSET [6C-20A] — BUS PLUGS — PIPE CHASE — LP-6E19 — 9" TRAY — BD615, B-C — ISOLATED GROUNDING TB # 9

600A CRITICAL POWER BUS DUCT BD E1 UP & DN.

1350 A. PLUG-IN FEEDER BUS DUCTS BD NO. 7 UP & DN

LP-6C2 — BUS PLUGS — BD615, D-F — 9" TRAY — ISOTOPE COUNTING LAB [6E-1] — ELECTROPHORES CHROMATOGRAPH LAB [6C-2] — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — TO BD6F, 16-17 — PIPE CHASE

SOUTH CORRIDOR [6S]

ELEC CLOS [6S-22A] — STAIR # 8 [6S-23] — 11"#14 - 1¼"C. UP & 12"#14 - 1¼"C. DN. — DRUG METABOLISM [6S-24] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO 8 UP & DN. — BD6F, 14-15 — INSTRUCTOR [6S-22B]

TO BD68, 10-11 — 11"#14 - C.1¼ UP & 12"#14 - 1¼"C. DN. — STAIR # 5 [6N-10] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO 6 UP & DN. — ELEC. CLOS [6N-10A] — ANALYTICAL LAB [6N-13]

NORTH CORRIDOR [6N]

112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — NEUROLOGY PHARMACOLOGY LAB [6W-20] — PIPE CHASE — BUS PLUG — BD812, B-D — UTILITIES LAB. [6C-19] — LP-6C19 — 9" TRAY

600A CRITICAL POWER BUS DUCT BD E2 UP & DN. — 1350A. PLUG-IN FEEDER BUS DUCT BD NO. 5 UP & DN. — RECORD PREPARATION ROOM [6C-3] — 225 A PLUG-IN BUS DUCT BD812, E-F — PIPE CHASE — 9" TRAY — SUB FREEZE [6W-2C] — BUS PLUG — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — ELEC. CLOS. [6C-1C] — CP-6CA — DN TO J.B. — BP-6CA — M.T. [6C-1B] — ISOLATED GROUNDING TB # 3 — BE6E10, D-F

SOUTH CORRIDOR [6S]

¾" C. UP — STAIR # 6 [6S-11] — 2-3" SL. UP — ELEC. CLOS. [6S-11A] — 10 #14 - 1"C. UP & 11 #14 - 1¼"C DN — SECRETARIAL OFFICE [6S-1G]

5TH FLOOR

15 — TELEPHONE CLOSET [5N-23C] — 11"#13 - 1¼"C. UP & 12"#14 - 1¼"C DN — STAIR # 7 [5N-22] — ELEC. CLOSET [5N-22A] — TO BD58, 12-15 — TO BD58, 16-17

NORTH CORRIDOR [5N]

75 KVA CRITICAL POWER TRANSF. — BP-5CB DN. TO CP-6CB — CP-5CB UP TO CP-6CB — ELEC CLOS [5C-20A] — W.T. [5C-20] — ISOLATED GROUNDING TB # 8 — 112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — BUS PLUG — PIPE CHASE — BD515, B-C — SUB - FREEZE [5E-19A] — 9" TRAY

600A CRITICAL POWER BUS DUCT BD E1 UP & DN.

1350 A. PLUG-IN FEEDER BUS DUCTS BD NO. 7 UP & DN.

LP-5C2 — BUS PLUG — BD515, D-F — 9" TRAY — SUB - FREEZE [5E-1A] — DEMONSTRATION RM. TEACHING [5C-2] — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — TO BD5F, 16-17 — PIPE CHASE

SOUTH CORRIDOR [5S]

ELEC CLOS [5S-23A] — STAIR # 8 [5S-23] — 12"#14 - 1¼"C UP & 13"#14 - 1¼"C DN — GLASS BLOWING WORKSHOP [5S-24] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO 8 UP & DN. — BD5F, 14-15 — INSTRUCTOR [5S-22A]

TO BD58, 10-11 — 12"#14 - 1¼"C UP & 13"#14 - 1¼"C DN — STAIR # 5 [5N-10] — 1350A PLUG-IN FEEDER BUS DUCT BD NO 6 UP & DN. — VOLUNTEER FACULTY OFFICE [5N-11] — 1"C UP & DN — ELEC. CLOSET [5N-10A]

NORTH CORRIDOR [5N]

112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — INTERMEDIARY METABO — INTERMEDIARY METABOLISM LAB [5W-20] — PIPE CHASE — BUS PLUG — LP-5W20 — BD812, B-D — 9" TRAY

600A. CRITICAL POWER BUS DUCT BD E2 UP & DN. — 1350A PLUG-IN FEEDER BUS DUCT BD NO 5 UP & DN. — INSTRUCTOR [5C-3A] — STUDENT PREP [5W-2] — 225 A. PLUG-IN BUS DUCT BD812, D-F — PIPE CHASE — 9" TRAY — LP-5W2 — BUS PLUG — CIRCUIT BREAKER — 8'x8' WIREWAY — EMLR. SCA2 — DN. TO CP-4CA — CP-5CA UP TO CP-4CA — BP-5CA — 112½ KVA TRANSF. C — ELEC. CLOS. [5C-1C] — M.T. [5C-1B] — 75 KVA CRITICAL POWER TRANSF. — ISOLATED GROUNDING TB # 2 — TO BD510, D-F

SOUTH CORRIDOR [5S]

ELEC. CLOS. [5S-11A] — ¾" C. — 1¼" C. UP & 1½" C. DN. — SECRETARIAL OFFICE [5S-1G] — STAIR # 6 [5S-11] — 2-3" SL. UP

4TH FLOOR

15 — STAIR # 7 [4N-22] — ELEC. CLOS. [4N-22A] — 12"#14 - 1¼"C. UP & 13"#14 - 1¼"C DN. — B

NORTH CORRIDOR [4N]

TO BD48, 12-15 — TO BD48, 16-17 — W.T. [4C-20] — BP-4CB — UP TO J.B. #2 — CP-4CB — 112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — SUB - FREEZE [4E-19C] — ELEC CLOSET [4C-20A] — BUS PLUG — PIPE CHASE — BD415, B-C — 9" TRAY — 1600A MOLDED CASE TIE CIRCUIT BREAKER — ISOLATED GROUNDING TB # 7

600A CRITICAL POWER BUS DUCT BD E1 UP & DN.

1350 A. PLUG-IN FEEDER BUS DUCTS BD NO. 3 DN. & BD NO. 7 UP

LP-4C2 — BUS PLUGS — BD415, D-F — 9" TRAY — LP-4E1 — STERILE FRACTIONATION LAB [4E-18] — PEPTIDE CHEMICAL LAB [4C-2] — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — TO BD4F, 16-17 — PIPE CHASE

SOUTH CORRIDOR [4S]

ELEC. CLOS. [4S-23A] — STAIR # 8 [4S-23] — F — 13"#14 - 1¼"C. UP & 14"#14 - 1¼"C DN. — DARK ROOM [4S-24B] — 1350 A. PLUG-IN FEEDER BUS DUCTS BD NO 4 & BD NO 8 UP — 1600 A. MOLDED CASE TIE CIRCUIT BREAKER — REACTION MECHANISMS LAB. [4S-22] — BD4F, 14-15

TO BD48, 10-11 — 13"#14 - 1¼"C. UP & 14"#14 - 1¼"C DN. — STAIR # 5 [4N-10] — INSTRUCTOR [4N-11A] — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO 3 DN. & BD NO 6 UP — 1"C. UP & DN — ELEC. CLOS. [4N-10A]

NORTH CORRIDOR [4N]

112½ KVA TRANSF. C — 8'x8' WIREWAY — CIRCUIT BREAKER — X-RAY MACH. RM. [4C-17] — ISOTOPE LAB [4W-20D] — PIPE CHASE — BUS PLUG — LP-4W20 — BD412, B-D — 9" TRAY

600 A. CRITICAL POWER BUS DUCT BD E2 UP & DN. — 1350 A. PLUG-IN FEEDER BUS DUCT BD NO 1 DN & BD NO 5 UP — INSTRUCTOR [4C-3] — INSTRUCTOR [4W-2B] — 225 A. PLUG-IN BUS DUCT BD412, E-F — 9" TRAY — PIPE CHASE — BUS PLUG — CIRCUIT BREAKER — 8'x8' WIREWAY — 112½ KVA TRANSF. C — ELEC. CLOS. [4C-1C] — CP-4CA — UP TO J.B. — BP-4CA — M.T. [4C-1B] — 1600 A. MOLDED CASE TIE CIRCUIT BREAKER — ISOLATED GROUNDING TB # 1 — TO BD410, D-F

SOUTH CORRIDOR [4S]

STAIR # 6 [4S-11] — ELEC. CLOS. [4S-11A] — 1½" C. DN / 1¼" C. UP — 4"C. DN — 1¼" C. UP & DN — DARK ROOM [4S-24B] — 2-3" SL. UP — F

REVISIONS

DATE	BY	REVISED FOR
12-6-67	M.E.	ADD'S
9-25-67	BEL. NO.	ISSUED FOR

PLUMBING WORK CONTRACT REVISED, BIDS - SPRECHT

ALL CONTRACTS - BIDS - ADD'S

ALL CONTRACTS - BIDS - SPECS

ISSUED FOR

PROJECT DIRECTOR	C.B. McGREW
DESIGNED BY	J.M.K.
CHECKED BY	J.M.K.
APPROVED	
IN CHARGE	C. ESME
DRAWN BY	J.W.C.
DATE	SEP. 25, 1967

DRAWING NO. 12-67

SUPERVISING ARCHITECT FOR CONSTRUCTION PROGRAM

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH.-129-152. RESEARCH FACILITIES AND FACILITIES AND RESOURCES; NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE. FR-152

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CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
ACCOUNT NO. 100-1590-250-026

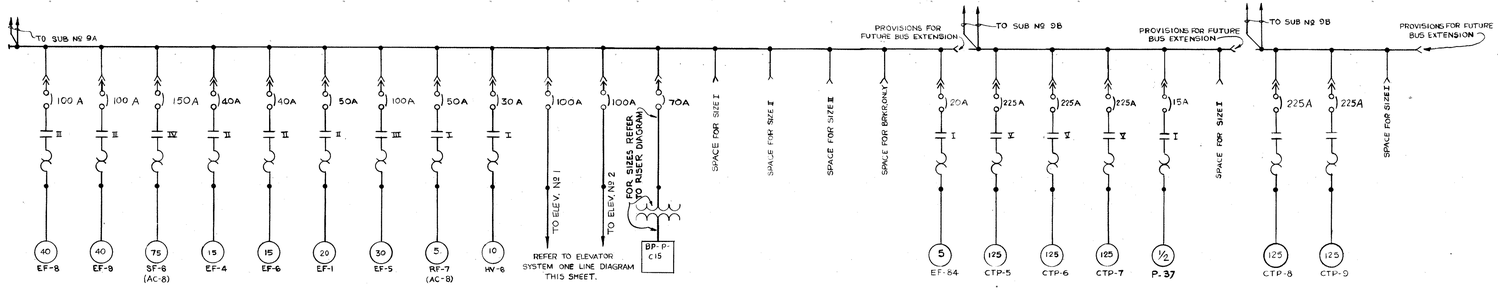
REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐

SHEET TITLE: ENLARGED PLANS OF E LEC. CLOSETS.

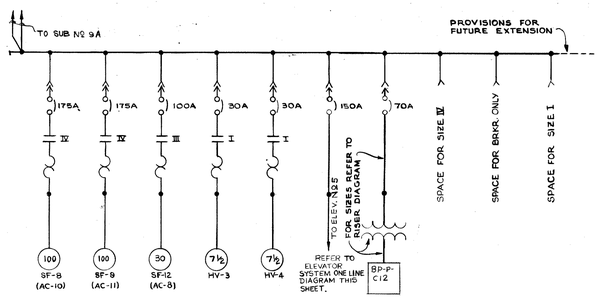
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-70

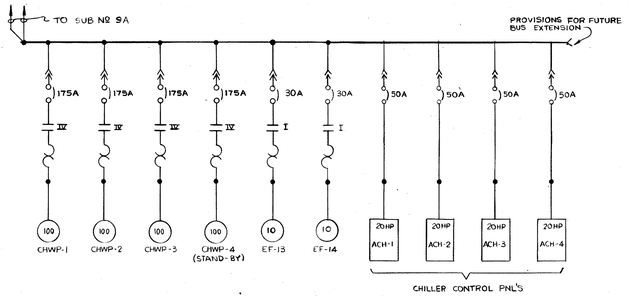
B. K. ELLIOTT CO. 301 770 1-67



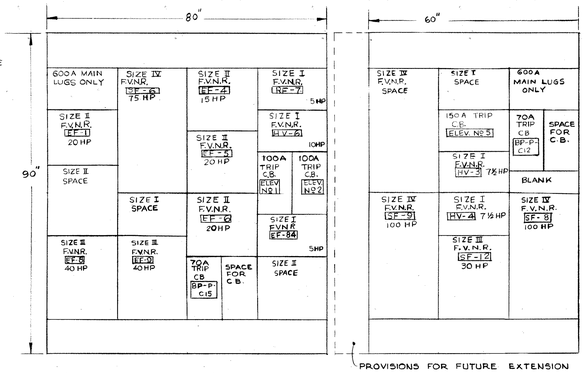
MCC-"A" MCC-"FA" MCC-"FB"



MCC-"B"

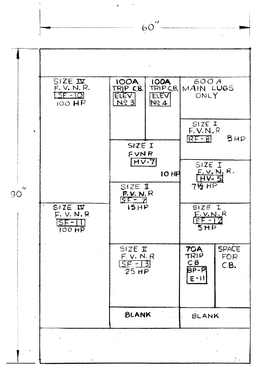


MCC-"E"

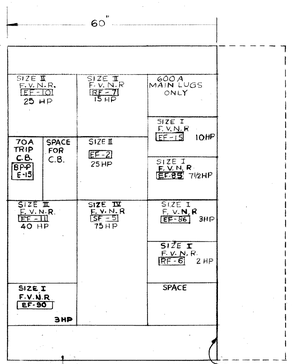


ELEVATION - MCC-"A" SCALE: NONE

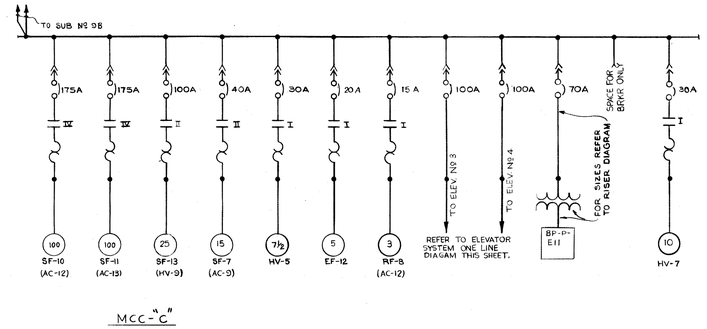
ELEVATION - MCC-"B" SCALE: NONE



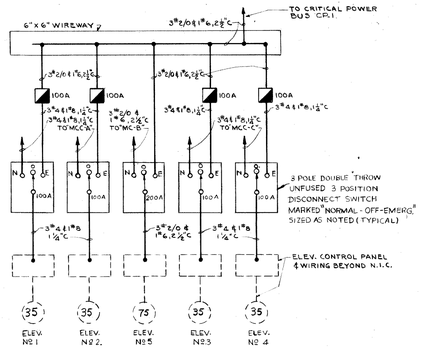
ELEVATION - MCC-"C" SCALE: NONE



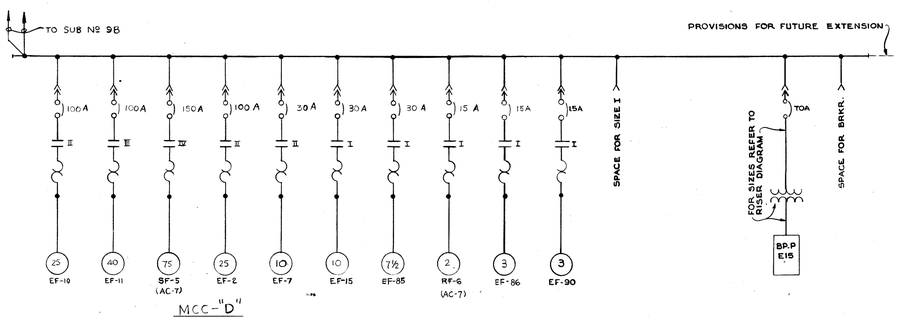
ELEVATION - MCC-"D" SCALE: NONE



MCC-"C"



ELEVATOR SYSTEM ONE LINE DIAGRAM

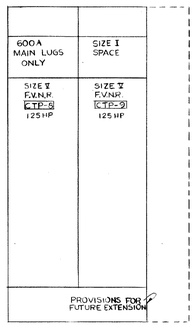


MCC-"D"

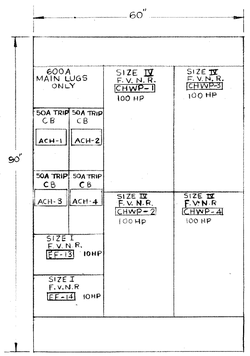
MOTOR FEEDER CHART		
MOTOR H.P.	Nº. & SIZE OF CABLES	MINIMUM CONDUIT SIZE *
½ TO 7½ HP	3#12 & 1#14 GRND	3/4"C
10 HP	3#10 & 1#14 GRND	3/4"C
15 HP	3#10 & 1#14 GRND	3/4"C
20 HP	3#8 & 1#12 GRND	1"C
25 HP	3#6 & 1#10 GRND	1"C
30 HP	3#6 & 1#10 GRND	1"C
40 HP	3#4 & 1#8 GRND	1¼" C
50 HP	3#2 & 1#8 GRND	1½"C
60 HP	3#1 & 1#6 GRND	1½"C
75 HP	3#1/0 & 1#6 GRND	2"C
100 HP	3#4/0 & 1#6 GRND	2½"C
125 HP	3-250MCM & 1-#2 GND.	2½"C

NOTE: ALUMINUM CABLES WITH EQUIVALENT AMPACITIES MAY BE USED IN LIEU OF COPPER. CONDUITS FOR ALUMINUM CABLES SHALL BE SIZED AS PER N.E.C.

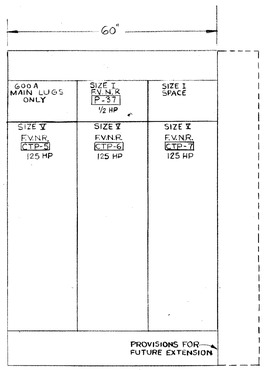
* CONTROL WIRING MAY BE RUN IN SAME CONDUIT AS MOTOR FEEDERS. INCREASE CONDUIT SIZE AS REQUIRED PER TABLES 4 & 5 CHAPTER 9 OF THE "NATIONAL ELECTRICAL CODE".



ELEVATION - MCC-"FB" SCALE: NONE



ELEVATION - MCC-"E" SCALE: NONE



ELEVATION - MCC-"FA" SCALE: NONE

9-10-71	GENERAL CONTRACT CONVERSION	L.S.	BULL#8				
11-24-69	GENERAL CONTRACT CONTR.	12-2-69	BULL.#5				
1-26-68	ALL CONTRACTS-BIDS-ADDT'S	1-26-68	K.E.	ADD #5			
12-4-67	PROVISIONAL BIDS - SPECIFICATIONS	12-6-67	K.E.	ADD #3			
10-20-67	ALL CONTRACTS-BIDS-ADD #3	10-20-67	K.E.	ADD #2			
9-28-67	ALL CONTRACTS BIDS-SPEC.	DATE	BY	BULL NO.	DATE	REVISIONS	

ISSUED FOR CONSTRUCTION

PROJECT DIRECTION: ESTIMATED
IN CHARGE: K.E.
DESIGNED BY: W.J.G.
DRAWN BY: L.W.
CHECKED BY: K.E.
APPROVED: K.E.
DATE: SEPT. 25, 1967

APPROVED: Gerald Ford
CHAIRMAN, BUILDING AUTHORITY

APPROVED: Quentin Hughes
DIRECTOR, OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES - PUBLIC HEALTH
MEDICAL FACILITIES REVIEW AND CONSULTATION SERVICE
NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
DETROIT OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW
CONSTRUCTION
FINAL RECORD

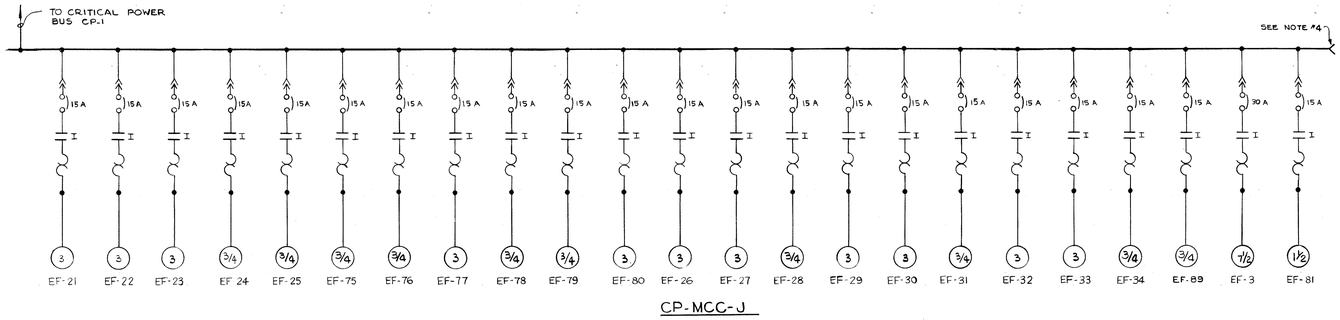
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: MOTOR CONTROL CENTERS
ELEVATIONS, ONE LINE DIAGRAMS

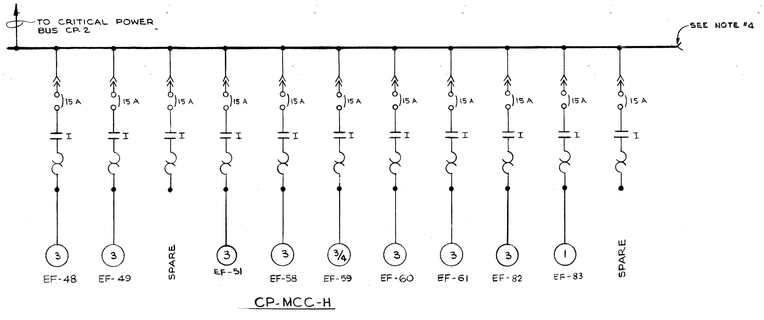
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-71

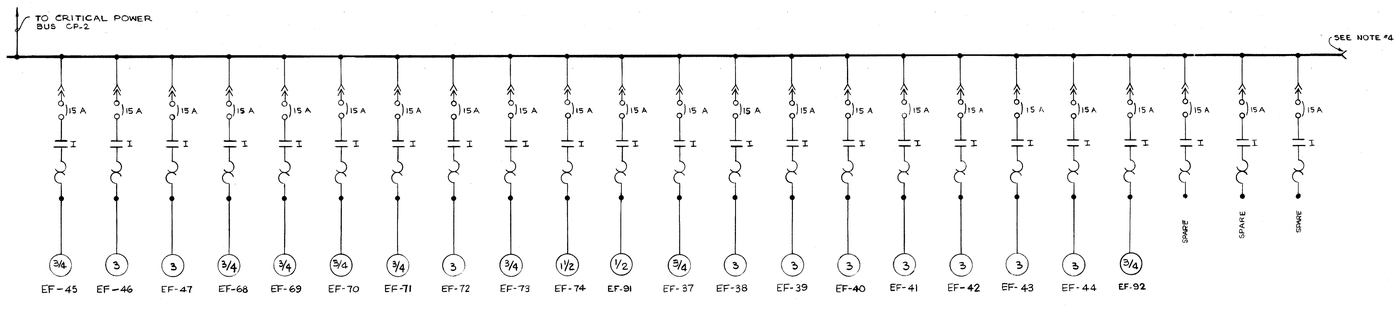
B. K. ELLIOTT CO. 301 780 1-67+



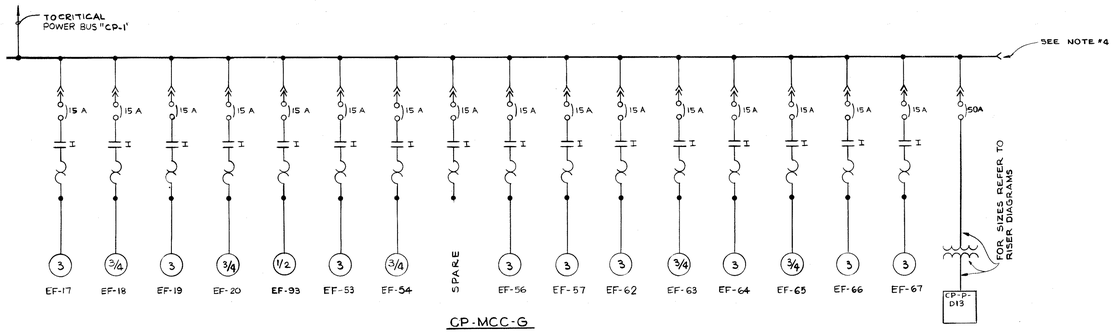
CP-MCC-J



CP-MCC-H



CP-MCC-K



CP-MCC-G

MAIN LUGS ONLY	SIZE I FVNR EF-75 3/4HP	SIZE I FVNR EF-26 3HP	SIZE I FVNR EF-32 3HP
SIZE I FVNR EF-21 3HP	SIZE I FVNR EF-76 3/4HP	SIZE I FVNR EF-27 3HP	SIZE I FVNR EF-33 3HP
SIZE I FVNR EF-22 3HP	SIZE I FVNR EF-77 3HP	SIZE I FVNR EF-28 3/4HP	SIZE I FVNR EF-34 3/4HP
SIZE I FVNR EF-23 3HP	SIZE I FVNR EF-78 3/4HP	SIZE I FVNR EF-29 3HP	SIZE I FVNR EF-53 3/4HP
SIZE I FVNR EF-24 3/4HP	SIZE I FVNR EF-79 3/4HP	SIZE I FVNR EF-30 3HP	SIZE I FVNR EF-3 7 1/2HP
SIZE I FVNR EF-25 3/4HP	SIZE I FVNR EF-80 3HP	SIZE I FVNR EF-31 3/4HP	SIZE I FVNR EF-81 1 1/2HP

ELEVATION - CP.MCC-J
SCALE : NONE

SIZE I FVNR EF-68 3HP	MAIN LUGS ONLY
SIZE I FVNR EF-69 3HP	SIZE I FVNR EF-82 3HP
SIZE I FVNR SPARE	SIZE I FVNR EF-61 3HP
SIZE I FVNR EF-51 3HP	SIZE I FVNR EF-83 3HP
SIZE I FVNR EF-58 3HP	SIZE I FVNR EF-83 1HP
SIZE I FVNR EF-59 3/4HP	SIZE I FVNR SPARE

ELEVATION - CP.MCC-H
SCALE : NONE

SIZE I FVNR EF-45 3/4HP	SIZE I FVNR EF-71 3/4HP	SIZE I FVNR EF-38 3 HP	MAIN LUGS ONLY
SIZE I FVNR EF-46 3HP	SIZE I FVNR EF-72 3HP	SIZE I FVNR EF-39 3HP	SIZE I FVNR EF-41 3HP
SIZE I FVNR EF-47 3 HP	SIZE I FVNR EF-73 3/4HP	SIZE I FVNR EF-40 3 HP	SIZE I FVNR EF-91 1/2HP
SIZE I FVNR EF-68 3/4HP	SIZE I FVNR EF-74 1 1/2HP	SIZE I FVNR EF-41 3HP	SIZE I FVNR SPARE
SIZE I FVNR EF-69 3/4HP	SIZE I FVNR SPARE	SIZE I FVNR EF-42 3HP	SIZE I FVNR SPARE
SIZE I FVNR EF-70 3/4HP	SIZE I FVNR EF-37 3/4HP	SIZE I FVNR EF-43 3HP	SIZE I FVNR SPARE

ELEVATION - CP.MCC-K
SCALE : NONE

SIZE I FVNR EF-17 3HP	SIZE I FVNR EF-54 3/4HP	MAIN LUGS ONLY
SIZE I FVNR EF-18 3/4HP	SIZE I FVNR SPARE	SIZE I FVNR EF-64 3HP
SIZE I FVNR EF-19 3HP	SIZE I FVNR EF-56 3HP	SIZE I FVNR EF-65 3/4HP
SIZE I FVNR EF-20 3/4HP	SIZE I FVNR EF-57 3HP	SIZE I FVNR EF-66 3HP
SIZE I FVNR EF-53 1/2HP	SIZE I FVNR EF-62 3HP	SIZE I FVNR EF-67 3HP
SIZE I FVNR EF-53 3HP	SIZE I FVNR EF-63 3/4HP	0A TRIP CB CP-P-D13

ELEVATION - CP.MCC-G
SCALE : NONE

NOTES

1. FOR MOTOR FEEDER SIZES SEE CHART ON SH.# EL-71
2. ALL CIRCUIT BREAKERS IN CP.MCC-G, H, J & K SHALL HAVE 14000 AMPS SYMMETRICAL INTERRUPTING CAPACITY.
3. FOR M.C.C. FEEDERS REFER TO RISER DIAGRAMS
4. MAKE PROVISIONS FOR FUTURE BUS EXTENSION

REVISIONS	DATE	BY	APPD
ISSUED FOR REVISIONS	12-6-67	K.E.	J.O.D.
ISSUED FOR ALL CONTRACTS-BIDS-SPECS	10-20-67		
ISSUED FOR ALL CONTRACTS-BIDS ADDS (SUPPLEMENTAL)	12-6-67		
ISSUED FOR CONSTRUCTION	9-25-67		

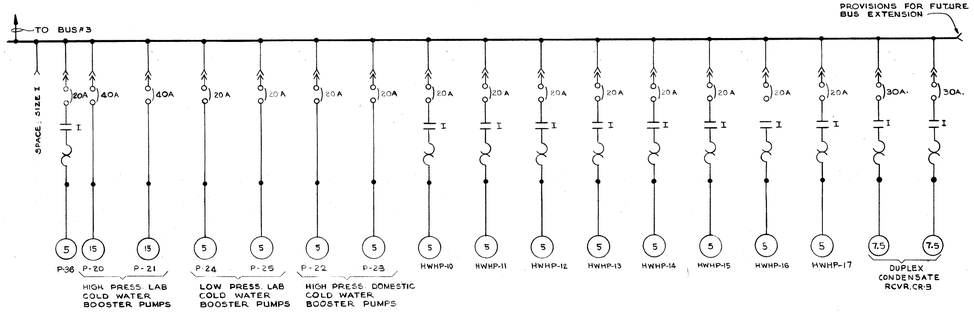
PROJECT DIRECTOR C. E. McGREW
IN CHARGE K.E.W.
DESIGNED BY J.J.S.
DRAWN BY L.W.
CHECKED BY J.J.S./K.E.
DATE SEP. 25, 1967
APPROVED BY

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN
architects engineers
GIFFELS & ROSSETTI, INC.
DETROIT MICHIGAN
DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, MICH. 1132-52 RESEARCH & DEVELOPMENT
JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

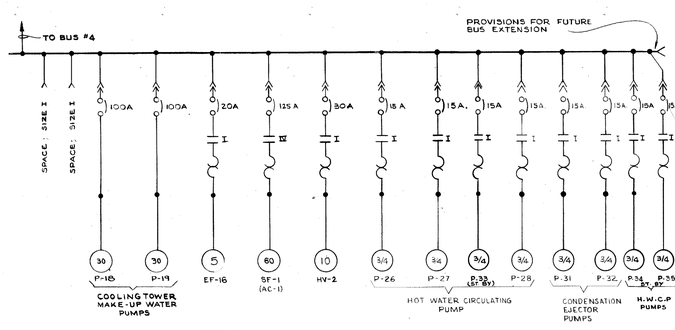
STATE OF MICHIGAN DEPARTMENT OF THE BUDGET BUREAU OF BUILDING DIVISION ADRIAN N. LANGIUS, DIRECTOR
ISSUED
ACCOUNT NO. 100-1590-250-026
REVIEW
CONSTRUCTION
FINAL RECORD
SHEET TITLE MOTOR CONTROL CENTERS ELEVATIONS, ONE LINE DIAGRAMS

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-72

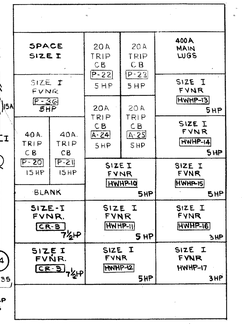
B. K. ELLIOTT CO., 301 750 1-67+



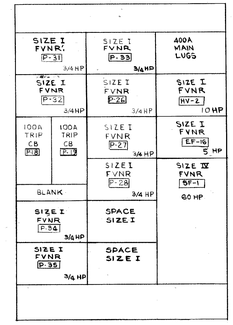
MCC-L
GROUND FLOOR EQUIPMENT RM.



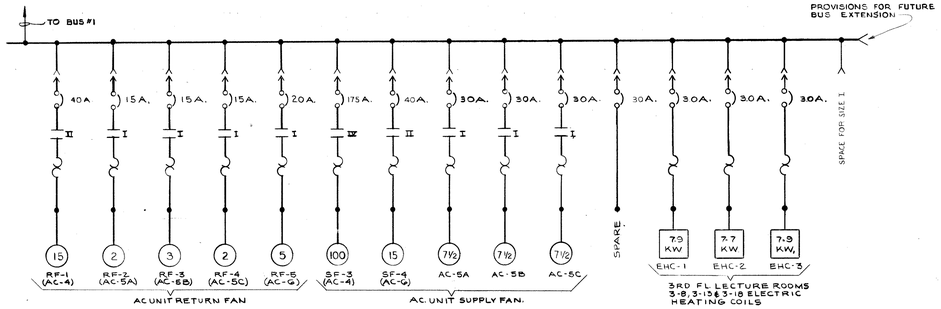
MCC-M
GROUND FLOOR MECH. EQUIPMENT ROOM



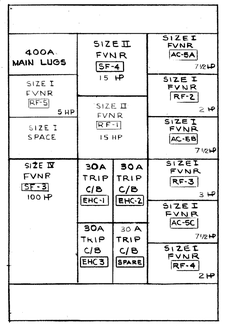
ELEVATION—MCC-L
SCALE: NONE



ELEVATION—MCC-M
SCALE: NONE

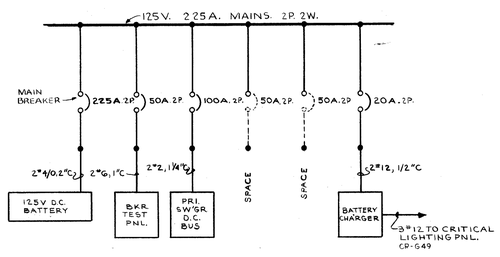


MCC. N
THIRD FLOOR MECH. EQUIPMENT ROOM

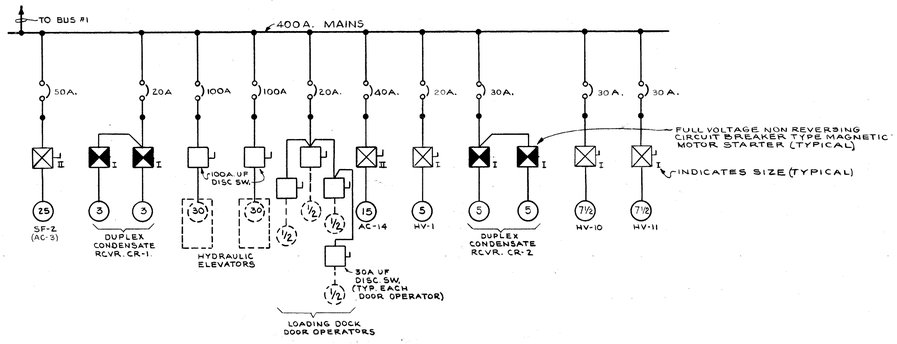


ELEVATION-"MCC-N"
SCALE NONE

NOTES:
1. FOR MOTOR FEEDER SIZES SEE CHART ON SHT. EL-71.



D.C DISTRIBUTION PANEL
ELECTRICAL EQUIPMENT RM



POWER PANEL PP-G-24

6-18-71	GENERAL CONTRACT CONSTR.	G.S.F.L.	1/6	
12-2-68	GENERAL CONTRACT CONSTR.	D.J.S.	Bull. No.	
12-26-68	ALL CONTRACTS-BIDS-NOW	K.E.	ADD-3	
4-24-68	PLUMBING, HOSP. EQUIPMENT	D.J.S.		
3-20-67	ADDENDUM #2 TO SPECS.	J.D.P.	ADD'N	
9-25-67	ALL CONTRACTS-BIDS-SPECS	H.E.	BULL. NO.	
DATE	REVISIONS	BY	BULL. NO.	DATE

ISSUED FOR REVISIONS

PROJECT DIRECTOR: C. B. McGREW
IN CHARGE: K. ESHUE
DESIGNED BY: JJS
DRAWN BY: JJS/KE
CHECKED BY: JJS
APPROVED: [signature]
DATE: SEPT. 25, 1967
DRAWING APPROVED: [signature]

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT — MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
DETROIT — MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 129-152. RESEARCH FACILITIES AND /OR NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE PA-761

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND — OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
ACCOUNT NO. 100-1590-250-026

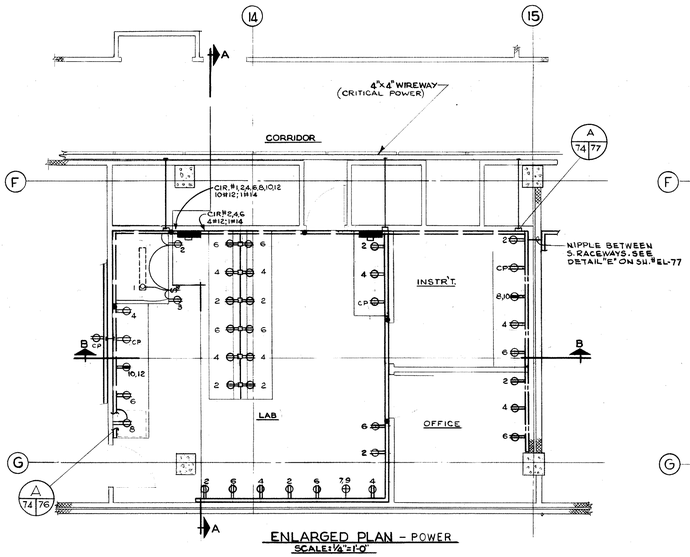
REVIEW
CONSTRUCTION
FINAL RECORD

SHEET TITLE: MOTOR CONTROL CENTERS ELEVATIONS, ONE LINE DIAGRAMS

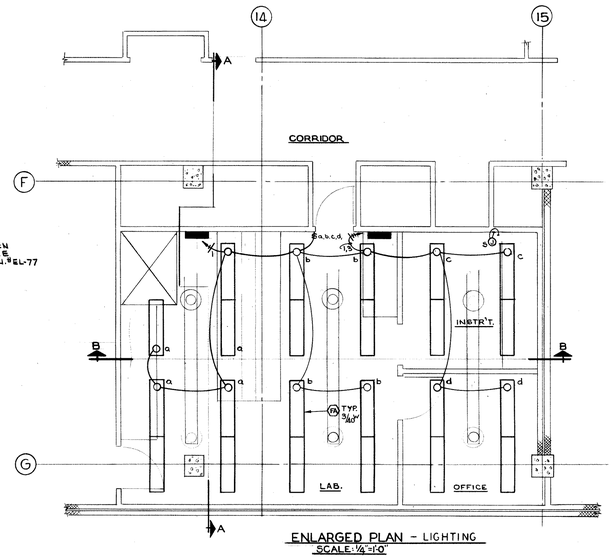
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-73

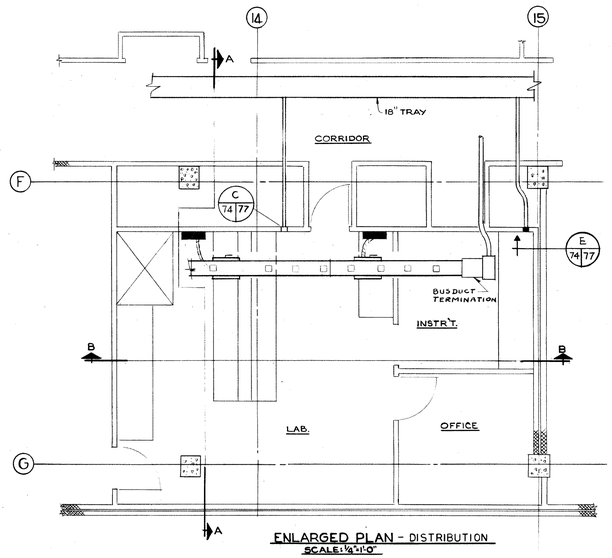
B. K. ELLIOTT CO. 301 750 1-67



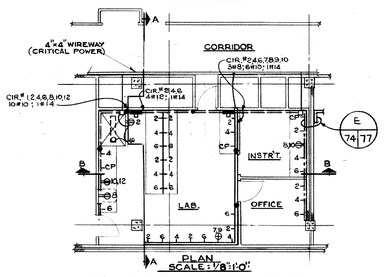
ENLARGED PLAN - POWER
SCALE: 1/4"=1'-0"



ENLARGED PLAN - LIGHTING
SCALE: 1/2"=1'-0"

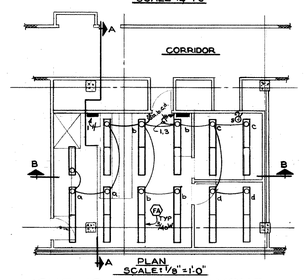


ENLARGED PLAN - DISTRIBUTION
SCALE: 1/2"=1'-0"



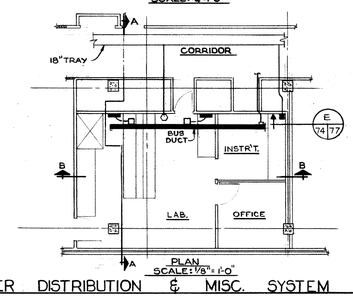
PLAN
SCALE: 1/8"=1'-0"

POWER LAYOUT



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

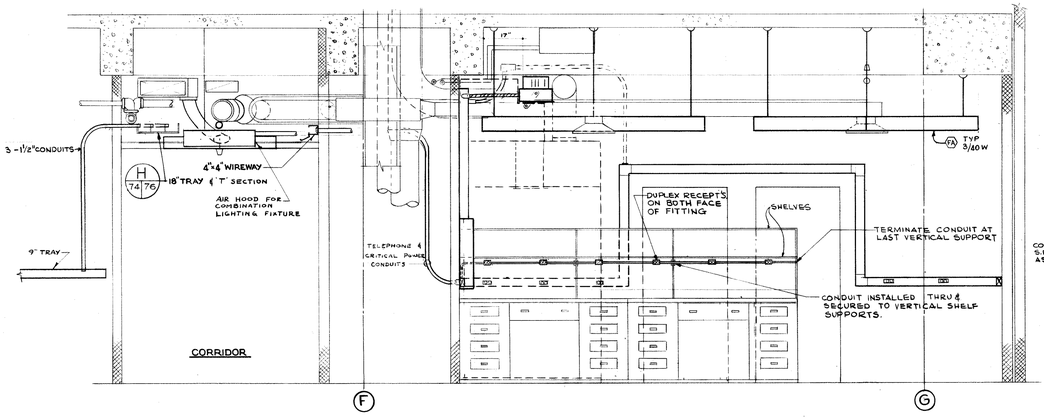
LIGHTING LAYOUT



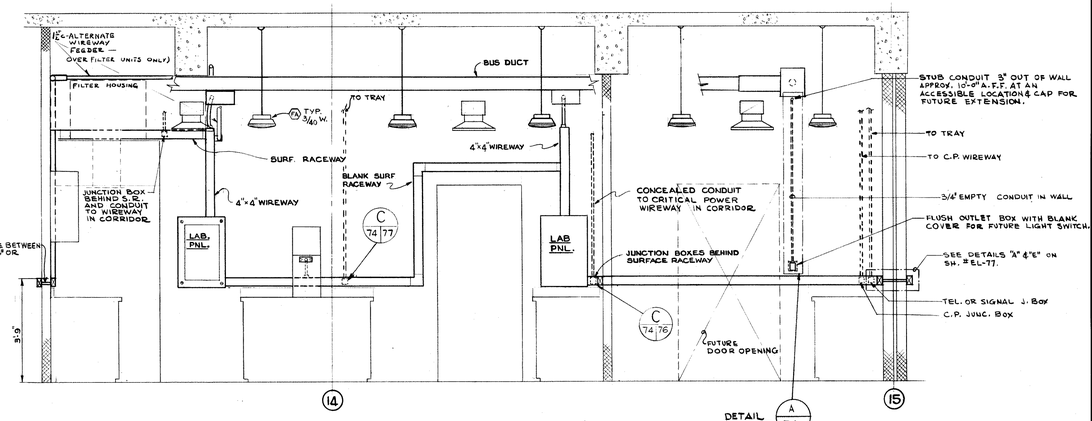
PLAN
SCALE: 1/8"=1'-0"

POWER DISTRIBUTION & MISC. SYSTEM LAYOUT

ELECTRICAL LAYOUT OF A TYPICAL LABORATORY



SECTION - "AA"
SCALE: 1/2"=1'-0"



SECTION - "BB"
SCALE: 1/2"=1'-0"

REVISIONS	DATE	BY	BULL. NO.
ISSUED FOR REVISIONS	12-1-67		
ISSUED FOR ALL CONTRACTS BIDS-SPEC.	9-25-67		

PROJECT DIRECTOR: C. B. McGREW
DESIGNED BY: JAF
CHECKED BY: JRF/KE
APPROVED: [signature]
IN CHARGE: KBH-E
DRAWN BY: GWK/PN
DATE: SEPT. 25, 1967
REVISED: [signature]

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE, MICH.-139-D3 - RESEARCH FACILITIES AND RESOURCES NATIONAL INSTITUTE OF HEALTH - PUBLIC HEALTH SERVICE, MD.-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS - MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ACCOUNT NO. 100-1590-250-025

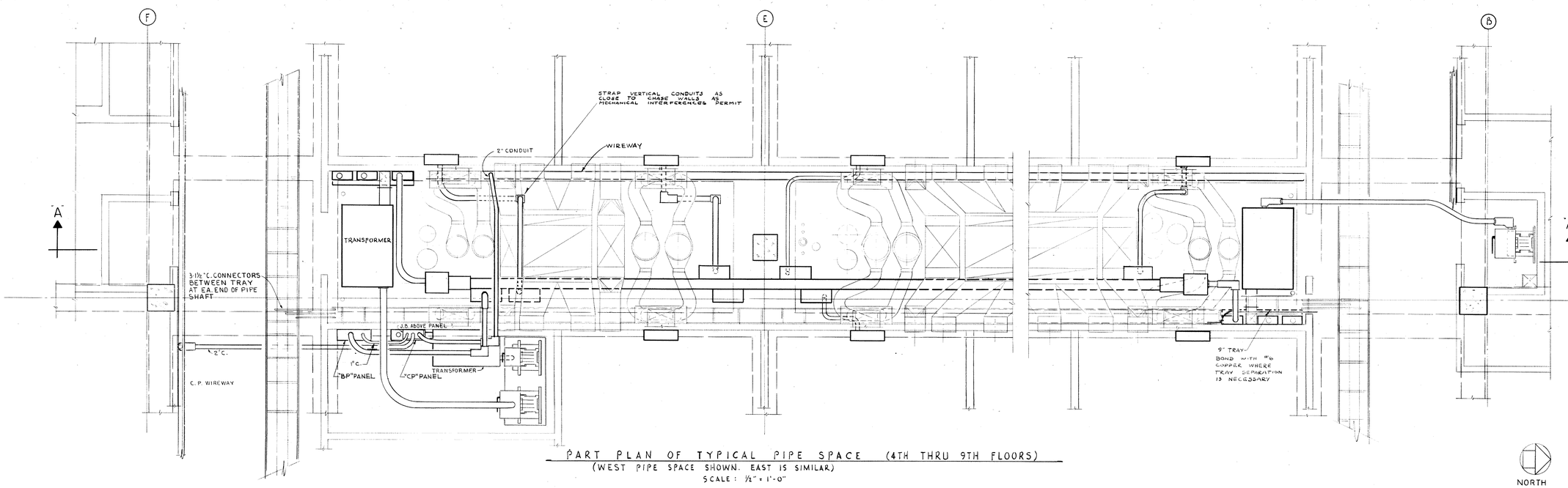
REVIEW: ☐ CONSTRUCTION ☐ FINAL RECORD ☐

SHEET TITLE: ENLARGED TYPICAL LAB PLANS & DETAILS

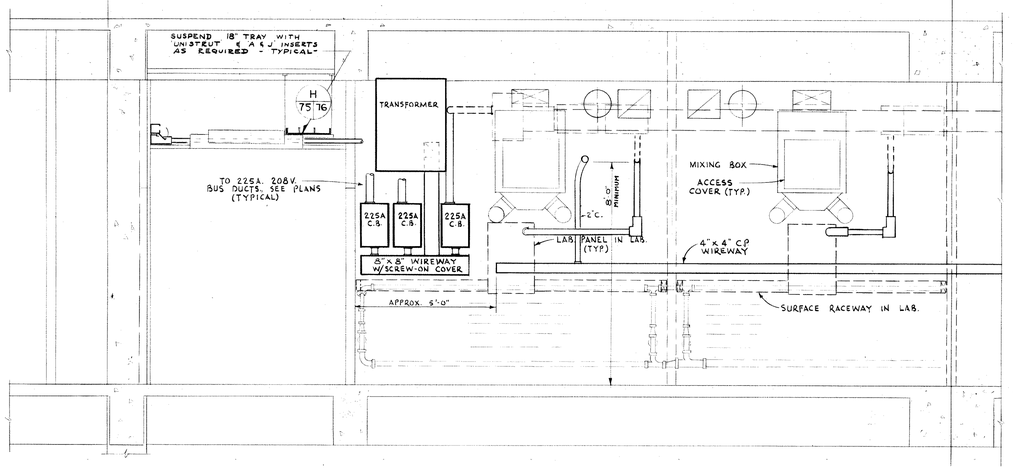
ARCHITECTS JOB NO. 66-121

SHEET NO. EL-74

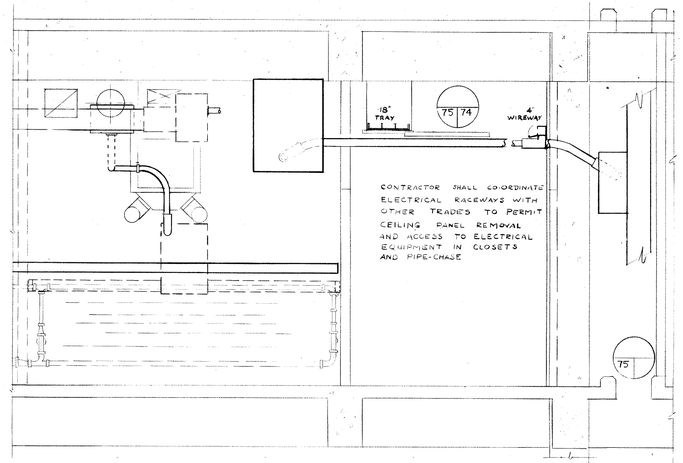
B. K. ELLIOTT CO. 301 780 1-62

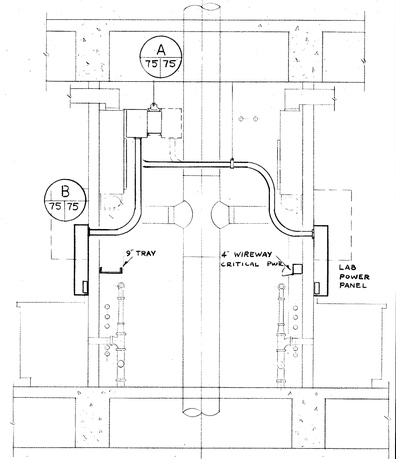


PART PLAN OF TYPICAL PIPE SPACE (4TH THRU 9TH FLOORS)
(WEST PIPE SPACE SHOWN. EAST IS SIMILAR)
SCALE: ½" = 1'-0"

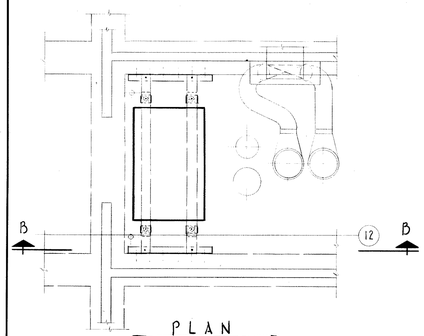


ELEVATION A-A
SCALE: ½" = 1'-0"

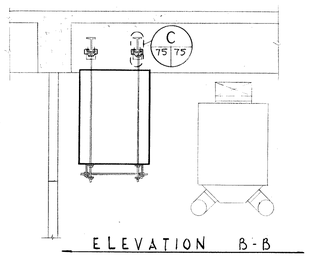




TYPICAL SECTION THRU PIPE SPACE LOOKING SOUTH
SCALE: ½" = 1'-0"

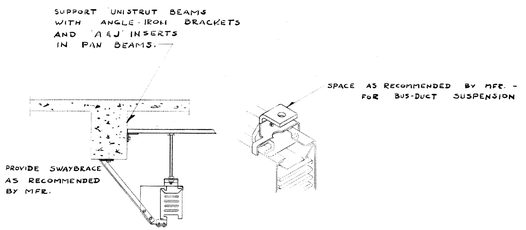


PLAN

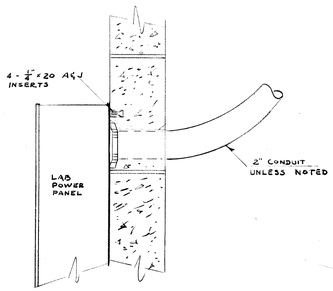


ELEVATION B-B

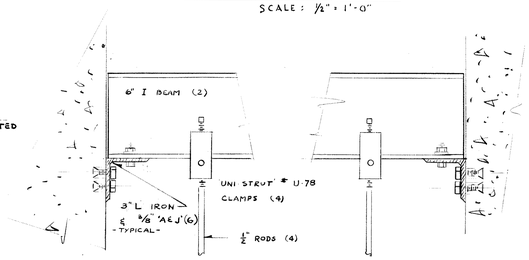
TYPICAL MOUNTING DETAIL OF TRANSFORMER IN PIPE SPACE
SCALE: ½" = 1'-0"



A 75/75 TYPICAL MOUNTING DETAIL OF BUS DUCT IN PIPE SPACE
NOT TO SCALE



B 75 MOUNTING & TERMINATION LAB POWER PANELS
3" = 1'-0"



C 75/75 TRANSFORMER SUPPORT
3" = 1'-0"

NO.	REVISIONS	DATE	ISSUED FOR
		6-28-66	K.E. 3
		12-6-67	PROPOSED WORK CONTRACT
		3-25-67	ALL CONTRACTS BIDS-SPEC.

PROJECT DIRECTOR: C. B. McCREW
DESIGNED BY: JRF
DRAWN BY: K. E. SWE
CHECKED BY: JRF/KE
DATE: SEPT 25, 1967
APPROVED BY: [signature]
DESIGNATED BY ARCHITECT: [signature]
IN CHARGE: K. E. SWE
DRAWING NO. 3
REG. NO.
BY
DATE

USE OF THESE PLANS AND SPECIFICATIONS IS SUBJECT TO THE STIPULATIONS OF THE ARCHITECT'S CONTRACT AGREEMENT

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

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architects engineers
DETROIT MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

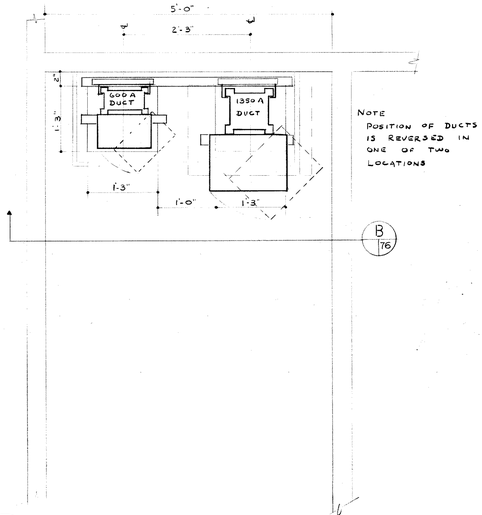
DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, FEDERAL SECURITY AGENCY, NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE PA-152.

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW: ISSUED
CONSTRUCTION
FINAL RECORD
PROJECT: MISC. LABORATORY & PIPE CHASE DETAILS
ACCOUNT NO. 100-1590-250-026

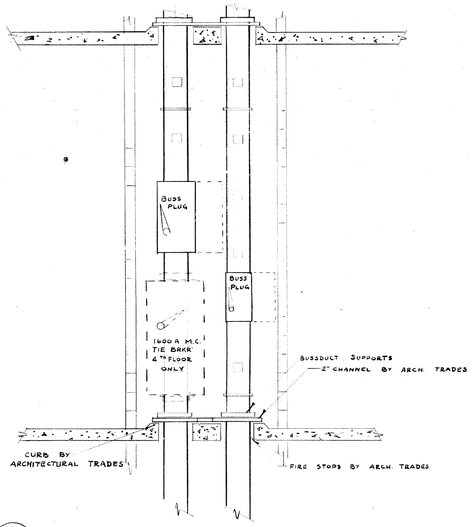
ARCHITECTS JOB NO. 66-121
SHEET NO. EL-75

B. K. ELLIOTT CO. 301 795 1-67+



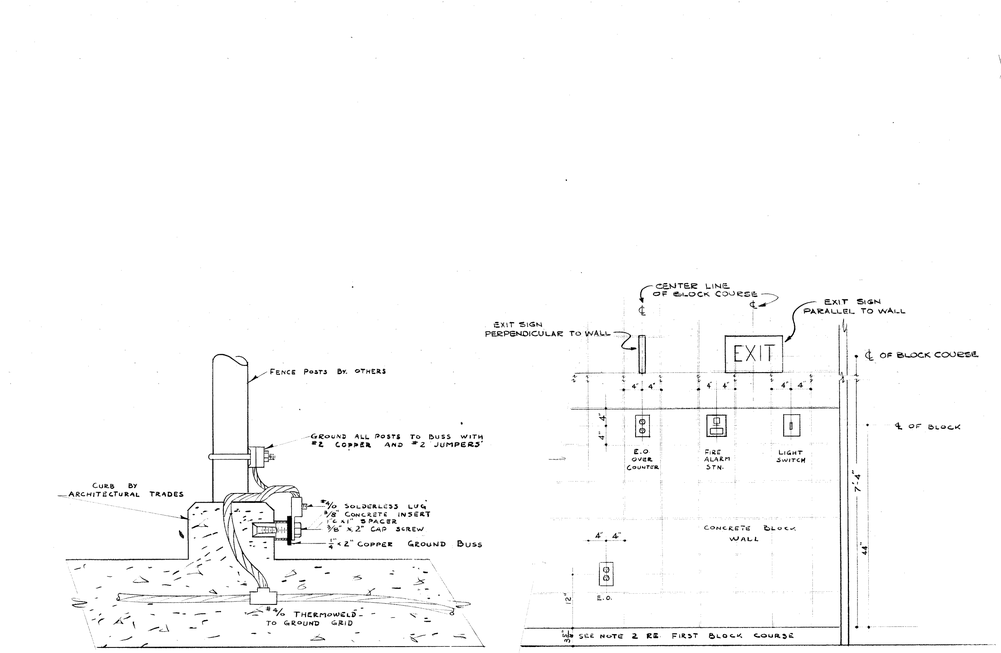
NOTE
POSITION OF DUCTS IS REVERSED IN ONE OF TWO LOCATIONS

A/76 PLAN 600v DUCT RISERS
1" = 1'-0"



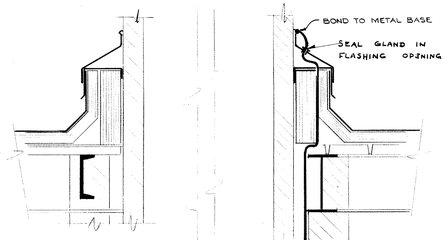
B/76 ELECTRICAL CLOSET & BUSSDUCT RISERS
1/2" = 1'-0"

E/76 SUB STATION GROUNDING
3" = 1'-0"

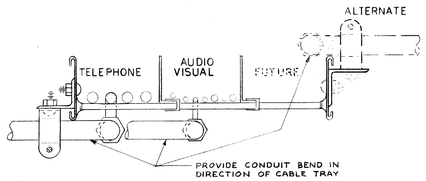


NOTE
1. ALL UTILITY AND SWITCH BOX OPENINGS ARE TO BE ON VERTICAL CENTER OF RESPECTIVE BLOCK COURSE.
2. FIRST COURSE ON FIRST FLOOR MEASURES 5 3/8"

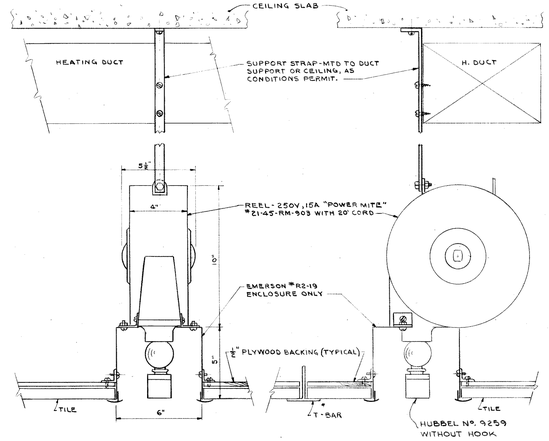
G/76 TYPICAL UTILITY LOCATIONS
1" = 1'-0"



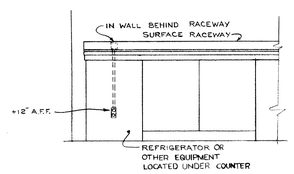
M/A62/76 STACK GROUNDING
1 1/2" = 1'-0"

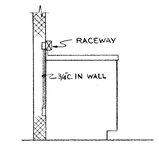


H/75/76 TYPICAL COMM. TRAY SECTION
3" = 1'-0"



J/76 RETRACTABLE POWER SUPPLY
3" = 1'-0"





A/74/76

REVISIONS	DATE	BY	BULL. NO.
ISSUED FOR CONSTRUCTION BIDS-SPEC.	9-25-67	ALL CONTRACTS	
ADDENDUM #1	11-1-67	LANDSCAPE FURNITURE ELECTRICAL SPEC.	12-1-67
ADDENDUM #2	12-28-67	GENERAL CONTRACT CONST.	1-2-68
ADDENDUM #3	6-28-68		K-6

PROJECT DIRECTOR: C. B. MACPHEW
IN CHARGE: K. LESHE
DESIGNED BY: JRF
DRAWN BY: JRF/GSK
CHECKED BY: JRF/KL
DATE: SEPT 25, 1967
APPROVED BY: E. Wm. Hamman
DESIGNED AND DRAWN UNDER SUPERVISION OF: E. Wm. Hamman
DIRECTOR OF CONSTRUCTION: [illegible]

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
BUREAU OF FACILITIES AND CONSTRUCTION SERVICES
NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE

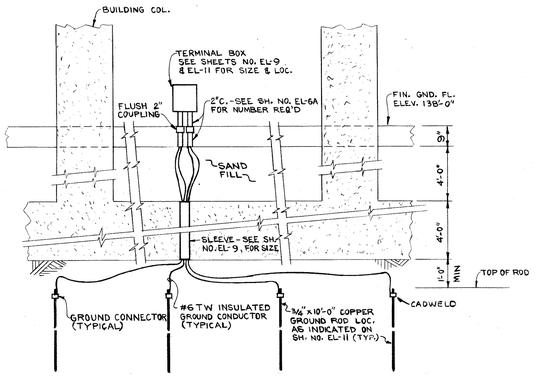
JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: MISC. DETAILS

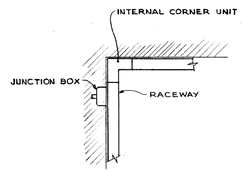
ARCHITECTS JOB NO. 66-121
SHEET NO. EL-76

B. K. ELLIOTT CO. 201 790 1-67

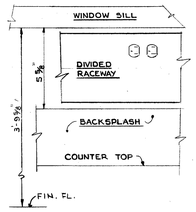


ISOLATED GROUNDING SYSTEM BUILDING ENTRY DETAIL

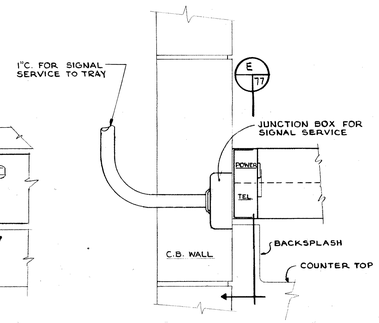
NO SCALE



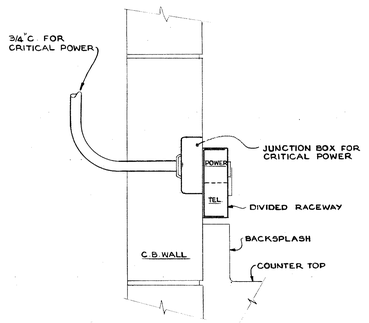
TYP. PLAN OF RACEWAY AT CORNER



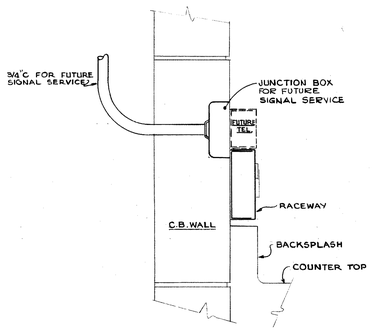
TYP. ELEVATION OF RACEWAY



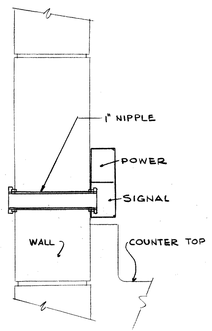
A
74 | 77



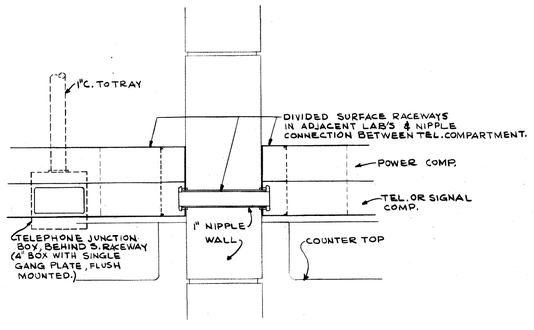
B
74 | 77



C
74 | 77



D
77



E
74 | 77

REVISIONS	DATE	BY	BULL. NO.
ISSUED FOR CONTRACT CONSTR.	12-2-66	RZ	BULL. 6
CANCELLATION, REVISION & ADDITIONS TO ARCH. & ENGR.	12-1-67		
ISSUED FOR ALL CONTRACTS BIDS-SPEC	DATE		

PROJECT DIRECTOR: R. B. MACPHERSON
DESIGNED BY: FJC/KE
CHECKED BY: FJC/KE
DATE: SEPT 25, 1967
APPROVED: [signature]
IN CHARGE: K. ESAKE
DRAWN BY: JMC
APPROVED: [signature]
DATE: 9-25-67

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
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DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE, DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: PR-152

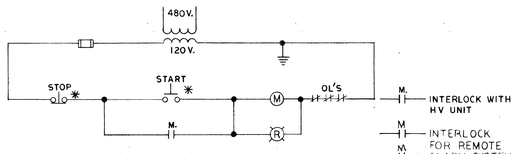
JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS - MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: MISC. DETAILS

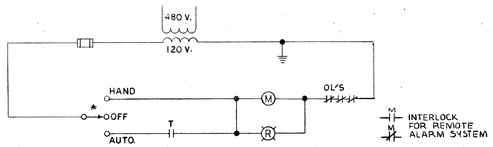
ARCHITECTS JOB NO. 66-121
SHEET NO. EL-77

B.K. ELLIOTT CO. 301 750 1-67+



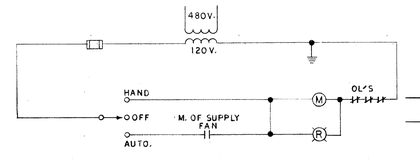
EXHAUST FANS EF-13 EF-14 & EF-15

* AT MCC-E FOR EF-13
* AT MCC-E FOR EF-14
* AT MCC-D FOR EF-15

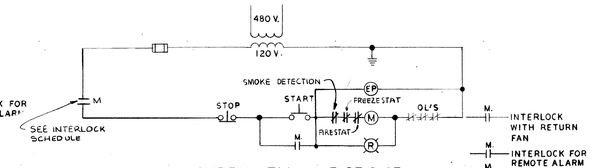


EXHAUST FAN EF-86 & 88

* LOCATED AT STARTER FOR EF-88

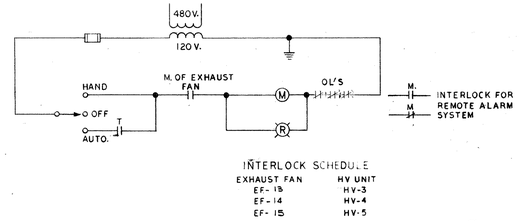


RETURN FAN RF-2, RF-3, RF-4
AIR CONDITIONING UNITS AC-5A, AC-5B & AC-5C



SUPPLY FAN SF-5, SF-6, SF-10
AIR CONDITIONING UNITS AC 7, AC-8 & AC-12

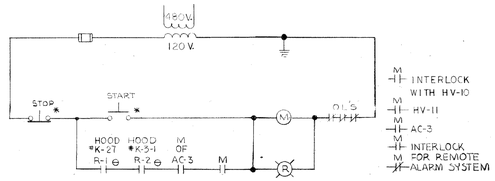
AC-7 INTERLOCK WITH EF-8
AC-8 " " EF-9 & EF-7 IN SERIES
AC-12 " " EF-10



INTERLOCK SCHEDULE

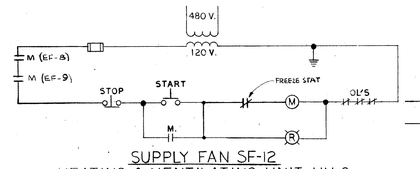
EXHAUST FAN	HV UNIT
EF-13	HV-3
EF-14	HV-4
EF-15	HV-5

HEATING & VENTILATING UNITS HV-3, HV-4 & HV-5

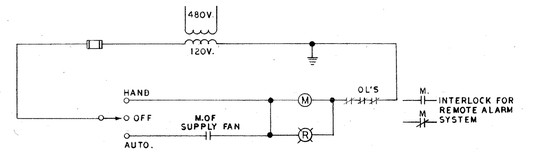


EXHAUST FAN EF-4

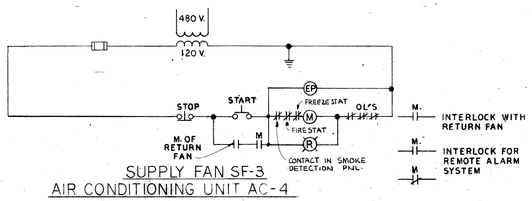
* LOCATED IN KITCHEN
@ LOCATED IN RELIEF PNL.



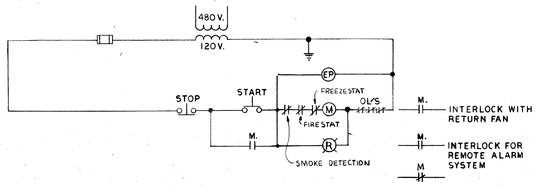
SUPPLY FAN SF-12
HEATING & VENTILATING UNIT HV-8



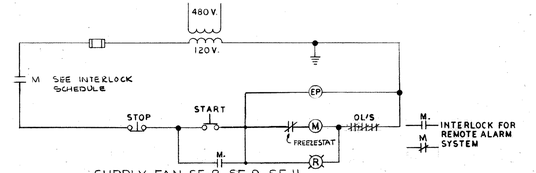
RETURN FAN RF-6, RF-7, RF-8
AIR CONDITIONING UNITS AC-7, AC-8 & AC-12



SUPPLY FAN SF-3
AIR CONDITIONING UNIT AC-4

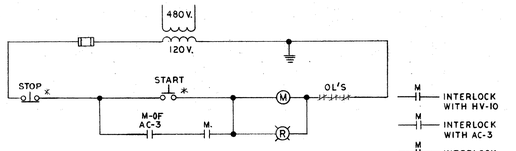


SUPPLY FAN SF-4
AIR CONDITIONING UNIT AC-6



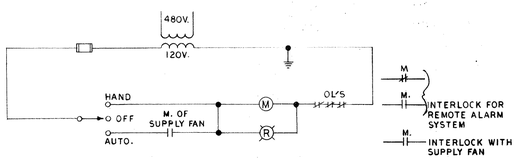
SUPPLY FAN SF-8, SF-9, SF-11
AIR CONDITIONING UNIT AC-10, AC-11 & AC-13

AC-10 INTERLOCKED WITH EF-9
AC-11 " " EF-8
AC-13 " " EF-11

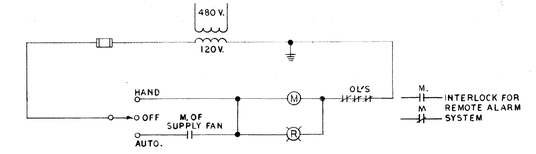


EXHAUST FAN EF-12

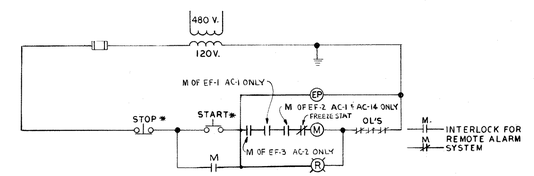
* LOCATED IN DISHWASHING RM.



RETURN FAN RF-1
AIR CONDITIONING UNIT AC-4

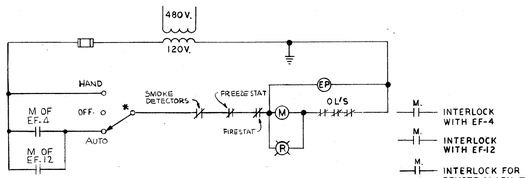


RETURN FAN RF-5
AIR CONDITIONING UNIT AC-6



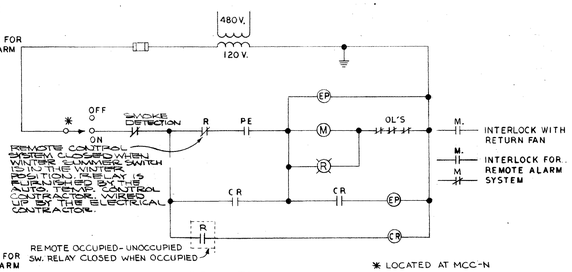
AIR CONDITIONING UNITS AC-1 (SF-1), AC-2, AC-14
HEATING & VENTILATING UNITS HV-6 & HV-7

* AT STARTER FOR AC-2, AC-14
* AT UNIT FOR HV-6, 7 & AC-1

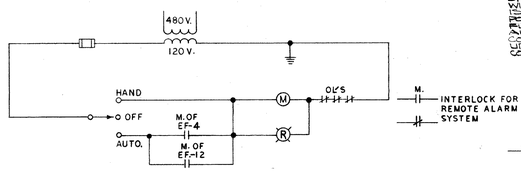


SUPPLY FAN SF-2
AIR CONDITIONING UNIT AC-3

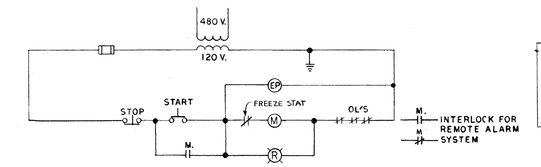
* SELECTOR SWITCH AT STARTER



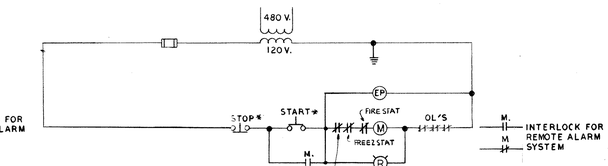
SUPPLY FAN
AIR CONDITIONING UNITS AC-5A AC-5B & AC-5C



HEATING & VENTILATING UNITS HV-10 & HV-11



SUPPLY FAN SF-7
AIR CONDITIONING UNIT AC-9



HEATING & VENTILATING UNIT HV-1

* LOCATED AT STARTER

FOR "GENERAL NOTES" SEE SHT. EL-79

NO.	REVISIONS	DATE	BY	APPD.
8	GENERAL CONTRACT CONSTR.	4-1-71		#16
7	GENERAL CONTRACT CONSTR.	4-9-68	K.E.	#9
6	GENERAL CONTRACT CONSTR.	12-2-66	K.E.	#6
5	REVISED BLDG. CONTRACT	12-6-67		
4	ADDENDUM #3	10-20-67	K.E.	ADD'S
3	ALL CONTRACTS-BIDS-ADD'S	10-20-67	K.E.	
2	ALL CONTRACTS-BIDS-SPECS	10-20-67	K.E.	
1	ISSUED FOR	9-28-67	K.E.	

NO.	ISSUED FOR	DATE

PROJECT DIRECTOR: C.B. McGREW
GENERAL SUPT.: H.C.P.
CHECKED BY: H.C.P.
DRAWN BY: T.J.
DATE: SEP. 25, 1967
APPROVED: [signature]
IN CHARGE: K. ESSUE
DESIGNED BY: [signature]
DIRECTOR, OFFICE OF STATE PROCUREMENT

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, MICH. 129-152 RESEARCH FACILITIES AND RESOURCES; NATIONAL INSTITUTE OF HEALTH, BETHESDA, MD.

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGUIS, DIRECTOR

ISSUED
ACCOUNT NO. 100-1590-250-026

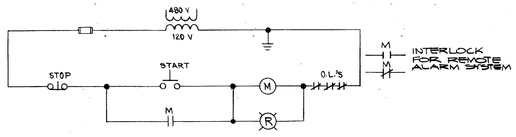
REVIEW
CONSTRUCTION
FINAL RECORD

SHEET TITLE: WIRING DIAGRAMS

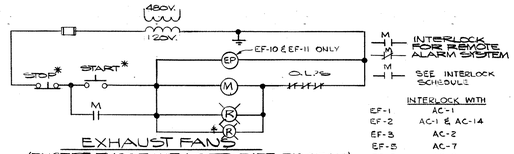
ARCHITECTS JOB NO.: 66-121

SHEET NO.: EL-78

B. K. ELLIOTT CO. 301 796 1-67



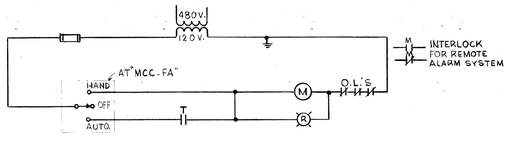
COOLING TOWER PUMPS CT-P5 THRU CT-P9
CHILLED WATER PUMPS CHWP-1 THRU CHWP-4



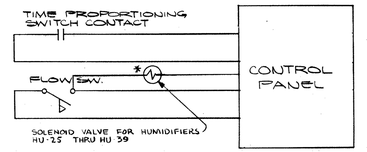
EXHAUST FANS
(EXCEPT THOSE WITH SEPARATE DIAGRAM)

	INTERLOCK WITH
EF-1	AC-1
EF-2	AC-1 & AC-14
EF-3	AC-2
EF-5	AC-7
EF-6	AC-8
EF-7	AC-8
EF-8	HV-8 & AC-11
EF-9	HV-8 & AC-10
EF-10	HV-9 & AC-12
EF-11	HV-9 & AC-13

* AT MCC "J" FOR EF-26 THRU EF-34
* AT MCC "K" FOR EF-37 THRU EF-44
* IN ROOM *G1-G4 FOR EF-53 (SECOND PILOT LT. AT M.C.C.)
* IN ROOM *SE-9 FOR EF-51 (SECOND PILOT LT. AT M.C.C.)
* IN ROOM *GW-16 FOR EF-93 (SECOND PILOT LT. AT M.C.C.)

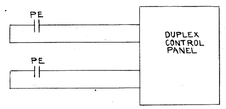


COOLING TOWER WATER CIRCULATING PUMP P. 37

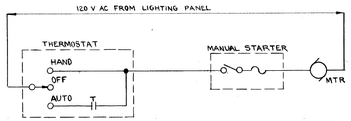


ELECTRIC HEATING COILS EHC-1 THRU EHC-3
TERMINAL UNIT WITH ELECTRIC COIL TB-45 THRU TB-58

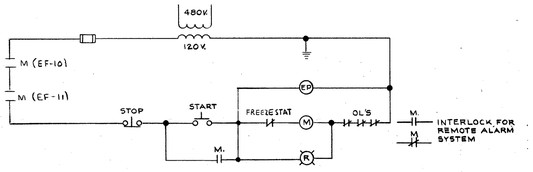
* HUMIDIFIER SOLENOID VALVE WIRING SHALL BE PROVIDED FOR "TB" UNITS ONLY.



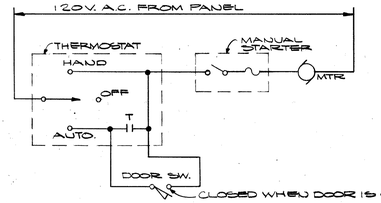
COOLING TOWER WATER MAKE-UP PUMPS P-18 & P-19



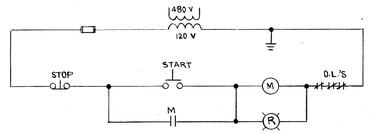
UNIT HEATERS UH-1 THRU UH-10, UH-21, & UH-22
EXHAUST FAN EF-94



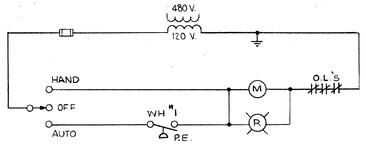
SUPPLY FAN SF-13
HEATING & VENTILATING UNIT HV-9



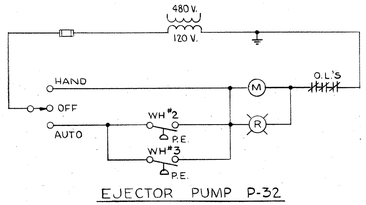
DOOR UNIT HEATERS UH-11 THRU UH-14



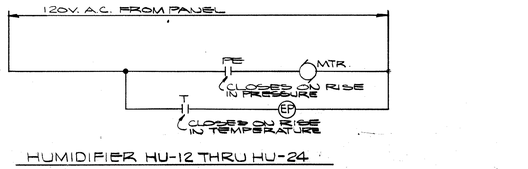
HOT WATER HEATING PUMPS
HWHP-10 THRU HWHP-17
HOT WATER CIRCULATING PUMPS P. 26, 27, 28, 33, 34, & 35



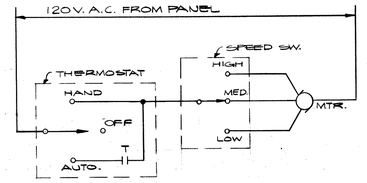
EJECTOR PUMP P-31
* AT MCC "M"



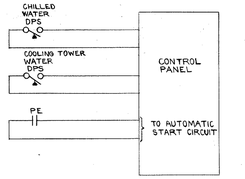
EJECTOR PUMP P-32



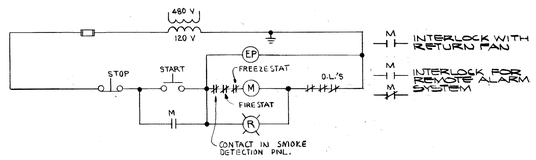
HUMIDIFIER HU-12 THRU HU-24



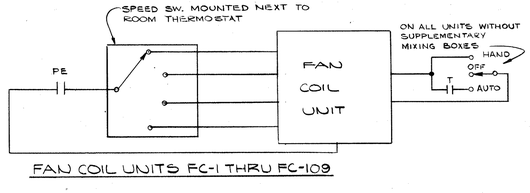
CABINET HEATERS UH-15 THRU UH-20



CHILLER CONTROL



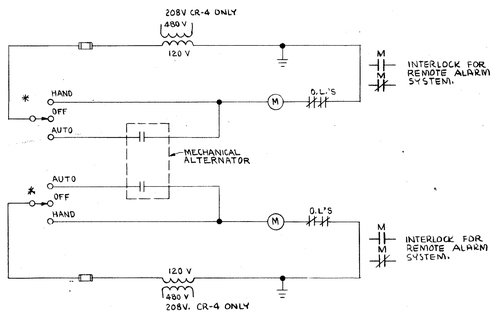
SUPPLY FAN
HEATING & VENTILATING UNIT HV-2



FAN COIL UNITS FC-1 THRU FC-109

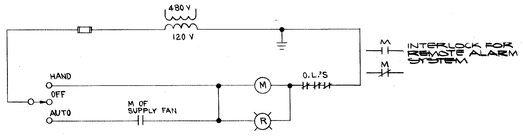
GENERAL NOTES

1. ALL PUSHBUTTONS & SELECTOR SWITCHES SHALL BE LOCAL TO EQUIPMENT UNLESS OTHERWISE NOTED.
2. ALL INDICATING LIGHTS SHALL BE LOCATED ON STARTER COVERS ON THE MOTOR CONTROL CENTERS OR INDIVIDUAL STARTER UNITS AS APPLICABLE UNLESS OTHERWISE NOTED.
3. FOR LOCATION OF LINE VOLTAGE THERMOSTATS SEE MECH. DRAWINGS.
4. CONTROL WIRING MAY BE RUN IN SAME CONDUIT AS POWER FEEDERS. INCREASE CONDUIT SIZE AS REQ'D. PER NATIONAL ELECTRIC CODE.
5. THIS CONTRACTOR SHALL PROVIDE EXTRA INTERLOCK CONTACTS FOR REMOTE SYSTEMS AS INDICATED ON DIAGRAMS WIRING OF REMOTE ALARM SYSTEMS TO UNDER "AUTOMATIC TEMPERATURE CONTROL" CONTRACT.

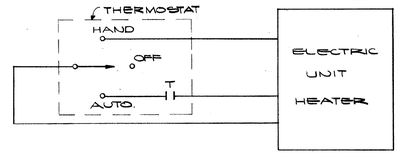


DUPLEX CONDENSATE RETURN PUMPS CR-1, CR-2, CR-3 & CR-4

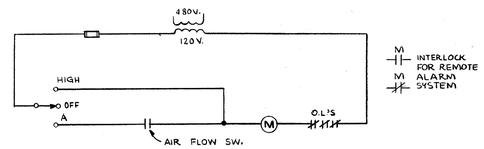
* SELECTOR SWITCHES AT STARTER FOR CR-1, CR-2 & CR-4



RETURN FAN EF-16
HEATING & VENTILATING UNIT HV-2

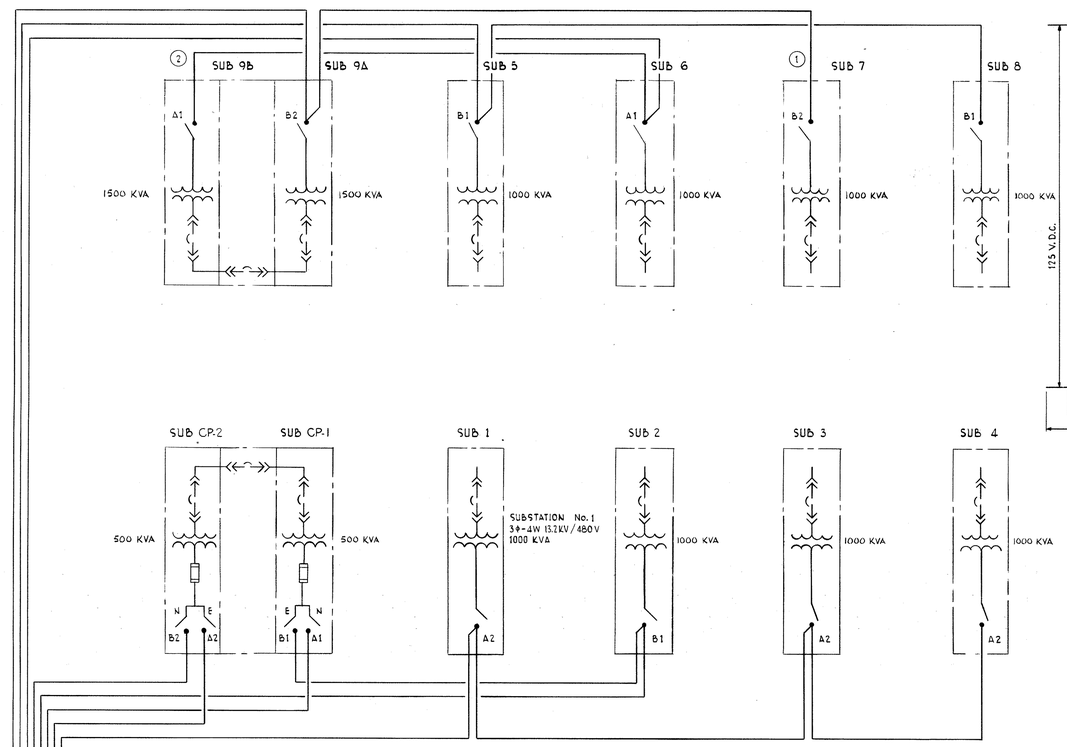


ELECTRIC UNIT HEATER EUH-1, 2 & 3

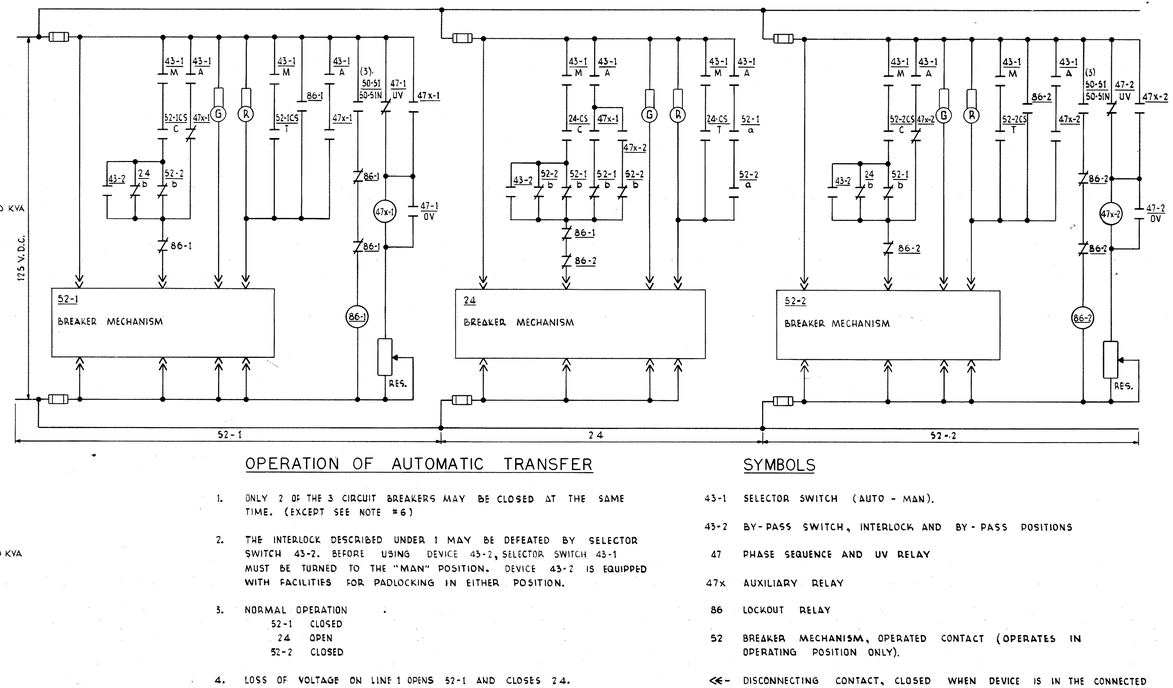


EXHAUST FAN EF-92

B. K. ELLIOTT CO. 301 780 1-67



13.2 KV PRIMARY ONE LINE DIAGRAM

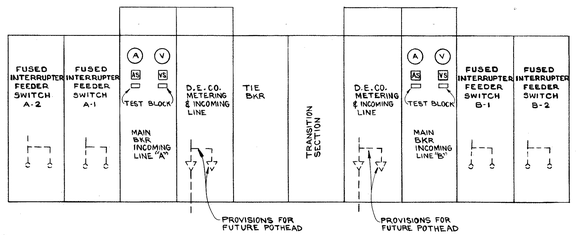


OPERATION OF AUTOMATIC TRANSFER

1. ONLY 2 OF THE 3 CIRCUIT BREAKERS MAY BE CLOSED AT THE SAME TIME. (EXCEPT SEE NOTE #6)
2. THE INTERLOCK DESCRIBED UNDER 1 MAY BE DEFEATED BY SELECTOR SWITCH 43-2. BEFORE USING DEVICE 43-2, SELECTOR SWITCH 43-1 MUST BE TURNED TO THE "MAN" POSITION. DEVICE 43-2 IS EQUIPPED WITH FACILITIES FOR PADLOCKING IN EITHER POSITION.
3. NORMAL OPERATION
   52-1 CLOSED
   24 OPEN
   52-2 CLOSED
4. LOSS OF VOLTAGE ON LINE 1 OPENS 52-1 AND CLOSES 24.
5. LOSS OF VOLTAGE ON LINE 2 OPENS 52-2 AND CLOSES 24.
6. RETURN OF VOLTAGE RECLOSES 52-1 OR 52-2 AND OPENS 24. RETRANSFER WILL BE WITHOUT INTERRUPTION.
7. OVERCURRENT TRIP OF 52-1 OR 52-2 WILL LOCK OUT AND PREVENT AN UNDERVOLTAGE TRANSFER. NORMAL CONDITIONS CAN NOT BE REESTABLISHED UNTILL 86-1 OR 86-2 IS RESET MANUALLY.
8. IF 43-1 IS SET FOR AUTOMATIC OPERATION, 52-1, 24, OR 52-2 CAN NOT BE CLOSED OR TRIPPED FROM THEIR CONTROL SWITCH.

SYMBOLS

- 43-1 SELECTOR SWITCH (AUTO - MAN).
- 43-2 BY-PASS SWITCH, INTERLOCK AND BY-PASS POSITIONS
- 47 PHASE SEQUENCE AND UV RELAY
- 47x AUXILIARY RELAY
- 86 LOCKOUT RELAY
- 52 BREAKER MECHANISM, OPERATED CONTACT (OPERATES IN OPERATING POSITION ONLY).
- ⋘ DISCONNECTING CONTACT, CLOSED WHEN DEVICE IS IN THE CONNECTED OR TEST POSITION.
- 50-51 INSTANTANEOUS AND TIME DELAY OVERCURRENT RELAY.
- 50-51N INSTANTANEOUS AND TIME DELAY OVERCURRENT NEUTRAL RELAY.



2 SETS OF LUGS FOR 3-1C #4/0 15 KV R.I. FEEDER CABLES BOTTOM ENTRY (TYPICAL FDR. BKR.)

ELEVATION — PRIMARY SWITCHGEAR
SCALE: NONE

REVISIONS	DATE	ISSUED FOR

B. K. ELLIOTT CO. 301 770 1-67+

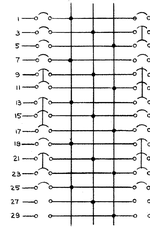
PANEL SCHEDULES

CHARACTERISTICS: 208/120V, 3Ø, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
BP-G14 (15.2KW)	(7)-1P, 20A	1-6, 8	LIGHTS	C	FLUSH; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P 30A	10-12, 14, 17 13, 15	RECP'S.			
	(2)-1P, 20A	7, 9	POWER & MISC.			
	(4)-1P, 20A	16, 18-20	SPARES			
	(4)-1P	21-24	SPACES			
BP-G24 (25.0KW)	(8)-1P, 20A	1-5	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(3)-1P, 20A (2)-2P, 30A	6, 30, 35 26, 28, 31, 33	RECP'S.			
	(2)-1P, 20A (6)-3P, 20A (1)-3P, 30A	25, 32 7-18, 20, 22, 24, 34, 36, 38 19, 21, 23	POWER & MISC.			
	(7)-1P, 20A	27, 29, 37, 39, 42	SPARES			
	—	—	SPACES			
BP-G30A (26.8KW)	(12)-1P, 20A	1-12	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(6)-1P, 20A (3)-2P, 20A (1)-2P, 30A (2)-3P, 30A	13, 15, 17-19, 21 24, 28, 29, 31 14, 16 20, 22-25, 27	RECP'S.			
			POWER & MISC.			
	(6)-1P, 20A	30, 32-36	SPARES			
	(6)-1P	37-42	SPACES			
BP-G30B (9.6KW)			LIGHTS	C	SURFACE; 100A MAIN BRKR.	CONTACTOR CONTROLLED PANEL (60A, 3P, 240V.)
	(8)-1P, 20A	1-7, 9	RECP'S.			
			POWER & MISC.			
			SPARES			
	(10)-1P	8, 10-18	SPACES			
BP-G41 (20.0KW.)	(5)-1P, 20A	1-5	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(8)-1P, 20A (2)-2P, 30A	6-10, 12, 23, 24 19-22	RECP'S.			
	(1)-1P, 20A (2)-3P, 30A	11 13-18	POWER & MISC.			
	(4)-1P, 20A	25-30	SPARES			
	(2)-1P	31-42	SPACES			
BP-G44 (15.0 KW)	(7)-1P, 20A	1-6, 8	LIGHTS	C	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (2)-2P, 30A	10, 11, 13, 15, 17-19 7, 9, 14, 16	RECP'S.			
	(2)-1P-20A	21, 23	POWER & MISC.			
	(5)-1P, 20A	12, 20, 22	SPARES			
	(6)-1P	25-30	SPACES			
BP-G49 (10.9 KW.)	(2)-1P, 20A (1)-3P, 20A	14, 16 13, 15, 17	LIGHTS	C	SURFACE; 100 A LUGS ONLY	
	(2)-1P, 20A	1, 18	RECP'S.			
	(3)-1P, 20A (2)-1P, 30A (1)-2P, 20A (2)-2P, 30A	2, 4, 18 7, 8 3, 5 9-12	POWER & MISC.			
	(6)-1P, 20A	6, 20-24	SPARES			
	(6)-1P	25-30	SPACES			
BP-G76 (5.0KW.)	(2)-1P, 20A	1, 3	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(2)-1P, 20A	2, 4	RECP'S.			
			POWER & MISC.			
	(10)-1P, 20A	5-14	SPARES			
	(2S)-1P	15-42	SPACES			
BP-G84 (53.5KW)	(9)-1P, 20A	1-9	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(15)-1P, 20A (1)-2P, 30A	10, 12, 14, 16, 18-25, 27, 29, 36 32, 34	RECP'S.			
	(1)-3P, 20A (1)-3P, 30A (1)-3P, 40A (1)-1P, 10A	31, 33, 35 26, 28, 30 13, 15, 17 11	POWER & MISC.			
	(6)-1P, 20A	37-42	SPARES			
			SPACES			
BP-G85 (23.2 KW.)	(17)-1P, 20A	1-17	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(5)-1P, 20A	18-22	RECP'S.			
	(4)-1P, 20A	25, 27, 29, 23	POWER & MISC.			
	(4)-1P, 20A	24, 26, 28, 30	SPARES			
	(12)-1P	31-42	SPACES			
BP-G109 (29.7KW.)	(8)-1P, 20A	1-6, 8, 10	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(16)-1P, 20A (1)-2P, 30A	13-24, 26, 28-30 25, 27	RECP'S.			
			POWER & MISC.			
	(6)-1P, 20A	7, 9, 11, 12, 31, 32	SPARES			
	(10)-1P	33-42	SPACES			
BP-G132 (11.6KW.)	(5)-1P, 20A	1-5	LIGHTS	C	SURFACE 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 30A	7, 9, 11-13, 15, 16 8, 10	RECP'S.			
	(2)-1P, 20A	6, 16	POWER & MISC.			
	(4)-1P, 20A	17-20	SPARES			
	(4)-1P	21-24	SPACES			
CP-G49 (6.8 KW.)	(4)-1P, 20A	1-4	LIGHTS	C	SURFACE; 100 A LUGS ONLY	
	(2)-1P, 20A	5, 6	RECP'S.			
	(2)-1P, 20A (1)-2P, 40A	10, 12 7, 9	POWER & MISC.			
CP-G141 (SEE THIS SHT.)	(2)-1P, 20A	8, 11	SPARES			
	(6)-1P	13-18	SPACES			

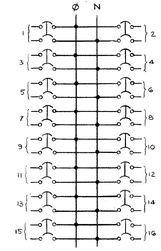
PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
LP-G45 (28.1KW.)	(17)-1P, 20A	1-17	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(12)-1P, 20A	19-30	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	18, 31-34	SPARES			
	(6)-1P	35-42	SPACES			
LP-G63 (4.7 KW.)	(2)-1P, 20A	1, 3	LIGHTS	C	FLUSH; 100A LUGS ONLY	
			RECP'S.			
	(3)-1P, 20A	2, 4, 6	POWER & MISC.			
LP-G64 SEE SH.# EL-90	(8)-1P, 20A	5, 7, 8	SPARES			
	(10)-1P	9-18	SPACES			
LP-G67 (7.4KW.)	(1)-1P, 20A	1	LIGHTS	C	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2-6, 8	RECP'S.			
	(1)-1P, 20A	7	POWER & MISC.			
	(4)-1P, 20A	9-12	SPARES			
	(6)-1P	13-18	SPACES			
LP-G96 (23.9KW.)	(12)-1P, 20A	1-12	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(8)-1P, 20A	13, 15-19, 21, 23	RECP'S.			
	(1)-1P-20A	14	POWER & MISC.			
	(5)-1P, 20A	20, 22, 24-26	SPARES			
	(10)-1P	27-36	SPACES			
LP-G117 (27.7KW.)	(11)-1P, 20A	1-11	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(9)-1P, 20A (1)-2P, 30A	13-18, 20, 22-28, 30 19, 21	RECP'S.			
	(4)-1P, 20A	12, 29, 31, 33	POWER & MISC.			
	(6)-1P, 20A	32, 34, 35, 37, 39, 41	SPARES			
	(4)-1P	36, 38, 40, 42	SPACES			
LP-G126 (44.1 KW.)	(13)-1P, 20A	1-13	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(16)-1P, 20A (1)-2P, 30A	14, 16, 18-23, 34, 36 30, 32	RECP'S.			
	(2)-1P, 30A	31, 33	POWER & MISC.			
	(3)-1P, 20A	15, 17, 35	SPARES			
	(6)-1P	37-42	SPACES			
LP-G127 (36.5 KW.)	(13)-1P, 20A	1-13	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(12)-1P, 20A	19-30	RECP'S.			
	(2)-1P, 30A	31, 33	POWER & MISC.			
	(7)-1P, 20A	14-18, 32, 34	SPARES			
	(8)-1P	35-42	SPACES			
LP-G128 (40.4 KW.)	(13)-1P, 20A	1-13	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(14)-1P, 20A (1)-2P, 30A	14, 16, 18-28, 34 30, 32	RECP'S.			
			POWERS & MISC.			
	(5)-1P, 20A	15, 17, 29, 31, 33	SPARES			
	(8)-1P	35-42	SPACES			
LP-G129 (29.8KW.)	(13)-1P, 20A	1-13	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(13)-1P, 20A	14, 16, 18-30	RECP'S.			
	(2)-1P, 30A	31, 33	POWER & MISC.			
	(4)-1P, 30A	15, 17, 32, 34	SPARES			
	(6)-1P	35-42	SPACES			
CP-G141 (5.0KW.)	(3)-1P, 20A	1, 2, 4	LIGHTS	C	SURFACE 100 A. LUGS ONLY	
	(1)-1P, 20A	6	RECEPT:S			
			POWER & MISC.			
	2-1P, 20A	3, 5	SPARES			
	(6)-1P	7-12	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
BP-1-22 (40.7KW)	(12)-1P, 20A	1-9, 11, 16, 18	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(14)-1P, 20A (2)-2P, 30A	13-15, 17, 19, 21, 23, 25-27, 29, 31-33 22, 24, 28, 30	RECP'S.			
	(8)-1P, 20A	20, 34, 12	POWER & MISC.			
	(3)-1P, 20A	10, 35, 36	SPARES			
	(6)-1P	37-42	SPACES			
BP-1-23 (41.3KW)	(10)-1P, 20A	1-7, 9, 11, 13	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(8)-1P, 20A (4)-2P, 30A	15, 16, 18, 20, 21, 23, 25, 31 17, 19-22, 24, 26-29	RECP'S.			
	(2)-1P, 20A	14, 30,	POWER & MISC.			
	(6)-1P, 20A	8, 10, 12, 32-34	SPARES			
	(8)-1P	35-42	SPACES			
BP-1-24 (52.8 KW.)	(7)-1P, 20A	1-7	LIGHTS	C	FLUSH; 225A LUGS ONLY	DOUBLE TUB PANEL
	(27)-1P, 20A (1)-2P, 20A (2)-2P, 30A (1)-3P, 30A	8, 10, 12-32, 38, 40, 44, 46 33, 35 34, 36, 37, 39 43, 45, 47	RECP'S.			
			POWER & MISC.			
	(8)-1P, 20A	9, 11, 41, 42, 48, 49, 50, 51	SPARES			
	(9)-1P	52-60	SPACES			
BP-1-32 (22.2KW)	(12)-1P, 20A	1-10, 12, 14	LIGHTS	C	FLUSH; 225A LUGS ONLY	
	(5)-1P, 20A (3)-2P, 30A	13, 19, 20, 22, 24, 26 15-18	RECP'S.			
	(3)-1P, 20A	11, 21, 23	POWER & MISC.			
	(1)-1P, 20A	25	SPARES			
	(10)-1P	27-36	SPACES			
BP-1-33 (5.5KW.)	(1)-1P, 20A	1	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 7	SPARES			
	(10)-1P	9-18	SPACES			
BP-1-52 (57.0KW.)	(18)-1P, 20A	1-18	LIGHTS	C	FLUSH; 225A LUGS ONLY	DOUBLE TUB PANEL
	(16)-1P, 20A (4)-2P, 30A	19-29, 31, 36-38, 40 31-35, 39, 41, 43, 45	RECP'S.			
	(1)-1P, 20A	30	POWER & MISC.			
BP-1-76 (SEE THIS SHT.)	(7)-1P, 20A	42, 44, 46-50	SPARES			
	(10)-1P	51-60	SPACES			
BP-1-92 (59.9KW.)	(25)-1P, 20A	1-23, 25, 27	LIGHTS	C	SURFACE; 225A LUGS ONLY	DOUBLE TUB PANEL
	(24)-1P, 20A (2)-2P, 30A (2)-3P, 30A	26, 28, 30-45, 50, 51, 60, 62-64 46-49 53-58	RECP'S.			
	(3)-1P, 20A	24, 52	POWER & MISC.			
	(5)-1P, 20A	59, 61, 63, 65, 66	SPARES			
	(18)-1P	67-84	SPACES			
BP-1-107 (75.2KW)	(30)-1P, 20A	1-29, 31	LIGHTS	C	SURFACE; 225A LUGS ONLY	DOUBLE TUB PANEL
	(23)-1P, 20A (2)-2P, 30A (2)-3P, 30A	32, 34-42, 47-59 43-46 61-66	RECP'S.			
	(1)-1P, 20A	60	POWER & MISC.			
	(10)-1P, 20A	30, 33, 67-74	SPARES			
	(10)-1P	75-84	SPACES			
LP-1-34 (24.8KW.)	(4)-1P, 20A	1-4	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(10)-1P, 20A (4)-2P, 30A	7-15, 26 17-24	RECP'S.			
			POWER & MISC.			
	(6)-1P, 20A	5, 6, 16, 25, 27, 28	SPARES			
	(14)-1P	29-42	SPACES			
BP-1-76 (PUT-20KW)			LIGHTS	C	SURFACE 225A. LUGS ONLY	
			RECEPT:S			
			POWER & MISC.			
	(6)-1P, 20A	1-6	SPARES			
	(18)-1P	7-24	SPACES			



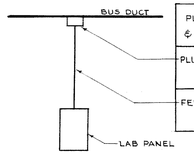
TYPICAL CIRCUIT ARRANGEMENT OF 3Ø, 4W PANELS WITH S/N BARS

NO SCALE



TYP. C'CT. ARRANGEMENT OF 1Ø, 2W PANELS WITH ISOLATED NEUTRALS (LP-G64, LP-GW16, LP-5E9)

NO SCALE



	A	B	C	D
PLUG-IN UNIT & FDR. TYPE				
PLUG-IN CKT. BRKR. TRIP-AMP	70A	100A	REFER TO RISER DIAGRAM	150A.
FEEDER COND. & WIRES	1"c., 4#4, & 1#8	2"c., 4#2, & 1#8		2 1/2"c., 4#2/0, & 1#6

PLUG-IN UNIT & FEEDER TYPES

NO SCALE

REVISIONS	DATE	BY	REL. NO.
ISSUED FOR	9-19-67	J.K.	3A
GENERAL CONTRACT-CONST.	12-6-67	K.E.	ADD'S
PLUMBING, HEATING, CONTRACT ADDENDUM #1	10-30-67	K.E.	ADD'S
ALL CONTRACTS-BIDS-ADD'S	10-30-67	K.E.	ADD'S
ALL CONTRACTS-BIDS-SPECS	9-25-67	K.E.	ADD'S
ISSUED FOR	DATE	BY	REL. NO.
REVISIONS			

PROJECT DIRECTOR: K. EBME
PROJECT ENGINEER: C.B. McGREW
DESIGNED BY: K.E.
CHECKED BY: K.E.
DRAWN BY: J. WARS
DATE: SEP. 25, 1967
APPROVED: [signature]

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, MICH. 139-132. RESEARCH FACILITIES, ANNEX NATIONAL INSTITUTES OF HEALTH, PUBLIC HEALTH SERVICE, 66-552

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIRECTION OF USE OF CAPTIONS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD

ACCOUNT NO. 100-1590-250-026

SHEET TITLE: PANEL SCHEDULES

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-80

B. K. ELLIOTT CO. 301 750 1-67

PANEL SCHEDULES

CHARACTERISTICS: 208/120V, 3Ø, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
BP-2-2 (20.5 KW)	(10)-1P, 20A	1-8, 11	LIGHTS	C	FLUSH; 100A. LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	8, 10, 17, 18, 19, 20 13, 15; 14, 16	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	21, 22, 23, 24	SPARES			
			SPACES			
BP-2-3 (17.7 KW)	(9)-1P, 20A	1-6, 8, 10, 12	LIGHTS	C	FLUSH; 100A. LUGS ONLY	
	(4)-1P, 20A (2)-2P, 30A	14, 16, 17, 22 13, 15; 14, 16	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	7, 9, 11	SPARES			
	(4)-1P	19, 21, 23, 24	SPACES			
BP-2-6F (18.5 KW)	(12)-1P, 20A	1-12	LIGHTS	C	SURFACE; 100A. LUGS ONLY	CONTACTOR CONTROLLED PANEL (3P, 60A, 240V.)
			RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	13, 15, 17	SPARES			
	(3)-1P	14, 16, 18	SPACES			
BP-2-6I (15.0 KW)	(14)-1P, 20A	1-14	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
			RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	15, 17, 19	SPARES			
	(7)-1P	16, 18, 20-24	SPACES			
BP-2-6R (26.6 KW)	(16)-1P, 20A	1-16	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(7)-1P, 20A (1)-1P, 50A (1)-2P, 30A	19-24, 28 29 25, 27	RECP'S.			
	(2)-1P-20A	29, 30	POWER & MISC.			
	(4)-1P, 20A	17, 18, 31, 32	SPARES			
	(4)-1P	33-36	SPACES			
BP-2-10BF (18.5 KW)	(12)-1P, 20A	1-12	LIGHTS	C	SURFACE; 100A. LUGS ONLY	CONTACTOR CONTROLLED PANEL (3P, 100A, 240V.)
			RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	13, 15, 17	SPARES			
	(3)-1P	14, 16, 18	SPACES			
BP-2-10BI (15.5 KW)	(14)-1P, 20A	1-14	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
			RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	15, 16, 17	SPARES			
	(7)-1P	18-24	SPACES			
BP-2-10BR (22.1 KW)	(17)-1P, 20A	1, 4, 6-16	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(7)-1P, 20A (1)-1P, 50A (1)-2P, 50A	19-24, 28 26 25, 27	RECP'S.			
	(1)-1P-20A	30	POWER & MISC.			
	(4)-1P, 20A	5, 29, 31, 32	SPARES			
	(4)-1P	33-36	SPACES			
BP-2-12F (18.5 KW)	(12)-1P, 20A	1-12	LIGHTS	C	SURFACE; 100A. LUGS ONLY	CONTACTOR CONTROLLED PANEL (3P-60A-248V.)
			RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	13, 15, 17	SPARES			
	(3)-1P	14, 16, 18	SPACES			
BP-2-12I (15.0 KW)	(14)-1P, 20A	1-14	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
			RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	15, 16, 17	SPARES			
	(7)-1P	18-24	SPACES			
BP-2-12R (27.3 KW)	(16)-1P, 20A	1-16	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(7)-1P, 20A (1)-1P, 50A (1)-2P, 30A	19-24, 28 26 25, 27	RECP'S.			
	(2)-1P-20A	29, 30	POWER & MISC.			
	(4)-1P, 20A	17, 18, 31, 32	SPARES			
	(4)-1P	33-36	SPACES			
BP-2-22A (33.8 KW)	(10)-1P, 20A	1-8, 10, 12	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A	13-26, 28 27, 29	RECP'S			
	(1)-2P, 50A	9, 11	POWER & MISC.			
	(3)-1P, 20A	30, 31, 33	SPARES			
	(10)-1P	32, 34-42	SPACES			
BP-2-22B (39.0 KW)	(6)-1P, 20A	1-4, 6, 8	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(8)-1P, 20A	7, 9, 11, 13-15	RECP'S			
	(4)-2P, 20A (1)-3P, 30A (1)-2P, 30A	10, 12, 20, 22, 24, 26, 28, 30 19, 21, 23 25, 27	POWER & MISC.			
	(1)-1P, 20A	5	SPARES			
	(1)-1P	29	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
BP-2-30 (8.4 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	C	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (2)-2P, 30A	11, 14, 17, 8, 9 10, 12; 11, 13	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	2, 4, 6, 7,	SPARES			
	(2)-1P,	15, 18	SPACES			
BP-2-39 (14.3 KW)	(5)-1P, 20A	1-5	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	6, 8, 11, 13-18 8, 11; 10, 12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	18, 19, 21	SPARES			
	(4)-1P	20, 22, 23, 24	SPACES			
BP-2-41 (8.4 KW)	(1)-1P, 20A	1	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	7, 9, 11 8, 10	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	2-6	SPARES			
	(1)-1P	12-24	SPACES			
BP-2-47 (16.2 KW)	(6)-1P, 20A	1-6	LIGHTS	C	SURFACE; 100A LUGS ONLY	
	(8)-1P, 20A (2)-2P, 30A	11, 13, 15, 17, 18, 19, 24, 9 14, 16; 20, 22	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	7, 21, 23	SPARES			
	(3)-1P, 20A	8, 10, 12	SPACES			
BP-2-62 (16.0 KW)	(7)-1P, 20A	1-5, 7, 9	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	6, 8, 10, 12, 15, 18 11, 13; 14, 16	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	17, 19, 21	SPARES			
	(4)-1P	20, 22, 23, 24,	SPACES			
LP-2-32 (27.9 KW)	(8)-1P, 20A	1-5, 7, 20, 22	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(14)-1P, 20A	8-19, 24, 30	RECP'S.			
	(2)-1P, 20A (1)-2P, 20A	21, 23 26, 28	POWER & MISC.			
	(4)-1P, 20A	6, 25, 27, 29	SPARES			
	(2)-1P	31, 32	SPACES			
LP-2-34 (20.9 KW)	(8)-1P, 20A	1-5, 6, 20, 22	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(12)-1P, 20A	8-17, 19, 24	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 18, 25, 27	SPARES			
	(4)-1P	26, 28-30	SPACES			
LP-2-36 (21.9 KW)	(8)-1P, 20A	1-5, 7, 20, 22	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(13)-1P, 20A	8-19, 24	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 25, 27, 29	SPARES			
	(3)-1P	26, 28, 30	SPACES			
LP-2-38 (20.7 KW)	(8)-1P, 20A	1-5, 7, 20, 22	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(13)-1P, 20A	8-17, 19, 24, 30	RECP'S.			
	(2)-1P, 20A (1)-2P, 20A	21, 23 26, 28	POWER & MISC.			
	(5)-1P, 20A	6, 18, 25, 27, 29	SPARES			
	(2)-1P	31, 32	SPACES			
LP-2-43 (19.0 KW)	(2)-1P, 20A	11, 3	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(4)-1P, 20A (3)-2P, 30A	7, 9, 10, 11 2, 4, 6, 8	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	5, 13, 15, 17, 23	SPARES			
	(7)-1P	12, 14, 16, 18, 20, 22, 24	SPACES			
LP-2-51 (24.2 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 18, 20, 22	SPARES			
	(7)-1P	24, 30	SPACES			
LP-2-53 (24.2 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22, 24	SPARES			
	(6)-1P	25, 30	SPACES			
LP-2-55 (24.2 KW)	(6)-1P-20A	1-5, 7	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22, 24	SPARES			
	(6)-1P	25-30	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
LP-2-57 (24.2 KW)	(6)-1P, 20A	1, 5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P-20A	8-17, 19	RECP'S			
	(3)-1P, 20A	18, 21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 20, 22, 24	SPARES			
	(6)-1P	25-30	SPACES			
LP-2-58 (27.1 KW)	(4)-1P, 20A	1, 3, 5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(6)-1P, 20A	2, 4, 6, 8, 10, 9	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	11, 12	SPARES			
	(18)-1P	13-30	SPACES			
LP-2-75 (19.1 KW)	(5)-1P, 20A	1, 7-10	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(5)-1P, 20A	2, 4, 6, 11, 12	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(2)-1P,	13, 24	SPACES			
LP-2-82 (25.4 KW)	(8)-1P, 20A	1-5, 7, 20, 22	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(13)-1P, 20A	8-19, 24	RECP'S			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(2)-1P, 20A	6, 25	SPARES			
	(5)-1P	26-30	SPACES			
LP-2-84 (24.2 KW)	(8)-1P, 20A	1-5, 7, 20, 22	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(12)-1P, 20A	8-17, 18, 20, 22	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(2)-1P, 20A	6, 18	SPARES			
	(6)-1P	25-30	SPACES			
LP-2-86 (25.4 KW)	(8)-1P, 20A	1-5, 7, 20, 22	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(13)-1P, 20A	8-19, 24	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(2)-1P, 20A	6, 25	SPARES			
	(5)-1P	26-30	SPACES			
LP-2-88 (24.2 KW)	(8)-1P, 20A	1-5, 7, 22, 24	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(12)-1P, 20A	8-17, 19	RECP'S			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(2)-1P, 20A	6, 18	SPARE'S			
	(6)-1P	25-30	SPACES			
LP-2-96 (23.7 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(12)-1P, 20A	17, 19, 30	RECP'S			
	(2)-1P, 20A (1)-2P, 20A	21, 23 26, 28	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22, 24	SPARES			
	(9)-1P	20, 22, 24-30	SPACES			
LP-2-98 (20.9 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(2)-1P, 20A	6, 18	SPARES			
	(9)-1P	20, 22, 24-30	SPACES			
LP-2-100 (20.9 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S			
	(2)-1P, 20A	21-23	POWER & MISC.			
	(2)-1P, 20A	6, 18	SPARES			
	(9)-1P	20, 22, 24-30	SPACES			
LP-2-102 (23.7 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(12)-1P, 20A	8-17, 19, 30	RECP'S.			
	(2)-1P, 20A (2)-2P, 20A	21, 23 26, 28	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22, 24	SPARES			
	(5)-1P	25, 27, 29-32	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
			LIGHTS			
			RECP'S.			
			POWER & MISC.			
			SPARES			
			SPACES			
BP-3-1 (12.0 KW)	(8)-1P, 20A	1-8	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(2)-1P, 20A	8-11	RECP'S.			
	(1)-1P, 20A	13	POWER & MISC.			
	(3)-1P, 20A	10, 12, 14	SPARES			
	(10)-1P	15-24	SPACES			
BP-3-4 (17.0 KW)	(8)-1P, 20A	1-8	LIGHTS	C	FLUSH; 100A. LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	10-12, 17-19 13, 15; 14, 16	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	8, 21, 23	SPARES			
	(9)-1P	20, 22, 24, 30	SPACES			
BP-3-5 (19.2 KW)	(7)-1P, 20A	1-7	LIGHTS	C	FLUSH; 100A. LUGS ONLY	
	(10)-1P, 20A (2)-2P, 30A	8-12, 14, 16-18, 23 13, 15; 19, 21	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	20, 22, 24	SPARES			
	(6)-1P	25-30	SPACES			
BP-3-10 (21.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(11)-1P, 20A (2)-1P, 50A	2, 4, 6, 7, 8, 9, 11, 13, 15, 17, 18 10, 12	RECP'S.			
	(1)-1P, 20A	14	POWER & MISC.			
	(5)-1P, 20A	9, 11, 18	SPARES			
	(5)-1P,	20-24	SPACES			
BP-3-14 (19.0 KW)	(21)-1P, 20A	1, 3	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(11)-1P, 20A (2)-1P, 50A	2, 4, 6, 7, 8, 9, 11, 13, 15, 17, 19 10, 12	RECP'S.			
	(1)-1P, 20A	14	POWER & MISC.			
	(5)-1P, 20A	5, 16, 18	SPARES			
	5-1P	20-24	SPACES			
BP-3-18 (21.0 KW)	(21)-1P, 20A	1, 3	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(11)-1P, 20A (2)-1P, 50A	2, 4, 6, 7, 8, 9, 11, 13, 15, 17, 19 10, 12	RECP'S.			
	(1)-1P, 20A	14	POWER & MISC.			
	(5)-1P, 20A	5, 6, 18	SPARES			
	(5)-1P	20-24	SPACES			
BP-3-24 (8.8 KW)	(5)-1P, 20A	1, 3, 5	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(4)-1P, 20A (2)-2P, 30A	6, 7, 12, 9 4, 6, 8, 10	RECP'S			
			POWER & MISC			
	(2)-1P, 20A	11, 13	SPARES			
	(5)-1P	14-18	SPACES			
BP-3-33 (8.8 KW)	(5)-1P, 20A	1, 3, 5	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(4)-1P, 20A (2)-2P, 30A	6, 7, 12, 9 2, 4, 8, 10	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	11, 13	SPARE'S			
	(5)-1P	14-18	SPACES			
BP-3-40 (17.8 KW)	(8)-1P, 20A	1-8	LIGHTS	C	SURFACE; 100A. LUGS ONLY	
	(10)-1P, 20A (2)-2P, 30A	9, 10, 15, 16, 18, 17 11, 13; 12, 14	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	19, 21, 23	SPARES			
	(3)-1P	20, 22, 24	SPACES			
BP-3-55 (24.9 KW)	(9)-1P, 20A	1-9	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(17)-1P, 20A (2)-2P, 30A	10, 11; 13-17, 24, 25, 26, 19 20, 21, 22, 23	RECP'S			
	(1)-1P, 20A	12	POWER & MISC.			
	(4)-1P, 20A	18, 28, 30, 32	SPARE'S			
	(7)-1P	27, 29, 31, 33-36	SPACES			

NO.	DATE	REVISIONS	ISSUED FOR
4	10-17-68	GEN. CONF. - GNSTR.	6/21
	12-6-67	PLUMBING WORK - CONTRACT	
ADD'TS	10-20-67	ALL CONTRACTS-BIDS-ADD. #3	K.E.
REVISIONS	10-30-67	ALL CONTRACTS-BIDS-ADD. #2	K.E.
	9-25-67	ALL CONTRACTS-BIDS-SPECS	

PROJECT DIRECTOR: C. B. McGREW
DESIGNED BY: K. ESHE
CHECKED BY: K. E.
DRAWN BY: B. GARG
DATE: SEP. 25, 1967
APPROVED:

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE, MICH.-126-D3 - RESEARCH FACILITIES AND NATIONAL INSTITUTE OF HEALTH-PHS-FR-00-02

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: PANEL SCHEDULES

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-81

B. K. ELLIOTT CO. 301 750 1-67*

P A N E L S C H E D U L E S

CHARACTERISTICS: 208/120V, 3Ø, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-3-22 (12.2 KW)	(3)-1P, 20A	1, 2, 3	LIGHTS	C	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A 11)-2P, 30A	7, 8, 11 10, 12	RECP'S.			
	11)-2P, 20A	8	POWER & MISC.			
	(3)-1P, 20A	4, 5, 6	SPARES			
	(6)-1P	13-18	SPACES			
LP-3-23 (11.5 KW)	(3)-1P, 20A	1, 2, 3	LIGHTS	C	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	7, 9, 11 8, 10	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	4, 5, 6	SPARES			
	(7)-1P, 20A		SPACES			
LP-3-26 (25.6 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(15)-1P, 20A	8-17, 19, 20, 22, 24, 30	RECP'S.			
	(2)-1P, 20A (1)-2P, 30A	21, 23 26, 28	POWER & MISC.			
	(5)-1P, 20A	6, 18, 25, 27, 29	SPARES			
	(6)-1P	31-36	SPACES			
LP-3-28 (21.9 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(15)-1P, 20A	8-20, 22, 24	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(3)-1P, 20A	6, 25, 27	SPARES			
	(4)-1P	26, 28, 29, 30	SPACES			
LP-3-30 (20.7 KW)	(6)-1P, 20A	1, 5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 18, 20, 22	SPARES			
	(7)-1P	24-30	SPACES			
LP-3-32 (22.5 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(13)-1P, 20A	8-19, 30	RECP'S.			
	(2)-1P, 20A (1)-2P, 20A	21, 23 26, 28	POWER & MISC.			
	(4)-1P, 20A	6, 20, 22, 24	SPARES			
	(8)-1P	25, 27, 29	SPACES			
LP-3-36 (25.1 KW)	(4)-1P, 20A	1, 3, 5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(9)-1P, 20A	2, 4, 6, 8, 9, 10	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	11, 12, 13	SPARES			
	(17)-1P	14-30	SPACES			
LP-3-44 (24.5 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 18	RECP'S.			
	(3)-1P, 20A	19, 21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 25, 27, 29	SPARES			
	(6)-1P	20, 22, 24, 26, 28, 30	SPACES			
LP-3-46 (23.5 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20	SPARES			
	(8)-1P, 20A	22, 24-30	SPACES			
LP-3-48 (25.0 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(3)-1P, 20A	6, 18, 20	SPARES			
	(8)-1P	22, 24, 30	SPACES			
LP-3-50 (24.5 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 25, 27, 29	SPARES			
	(7)-1P	18, 20, 22, 24, 26, 28, 30	SPACES			
LP-3-69 (19.0 KW)	(5)-1P, 20A	1, 7-10	LIGHTS	C	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2, 4, 6, 11, 12	RECP'S.			
	(2)-1P, 20A	3, 5	POWER & MISC.			
	(12)-1P	13-24	SPARES			
LP-3-76 (24.3 KW)	(6)-1P, 20A	1-5, 7	SPACES	C	SURFACE 225A LUGS ONLY	
	(15)-1P, 20A	8-13, 20, 22, 24	LIGHTS			
	(2)-1P, 20A	21, 23	RECP'S.			
	(4)-1P, 20A	6, 25, 27, 29	POWER & MISC.			
	(3)-1P	26, 28, 30	SPARES			
			SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-3-78 (24.3 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(14)-1P, 20A	8-17, 19, 20, 22, 24	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(5)-1P, 20A	6, 18, 25, 27, 28	SPARES			
	(3)-1P	26, 28, 30	SPACES			
LP-3-80 (24.3 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(15)-1P, 20A	8-20, 22, 24	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(4)-1P, 20A	6, 25, 27, 29	SPARES			
	(5)-1P	26, 28, 30	SPACES			
LP-3-82 (24.3 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(14)-1P, 20A	8-17, 19, 20, 22, 24	RECP'S			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(5)-1P, 20A	6, 18, 25, 27, 28	SPARES			
	(3)-1P	26, 28, 30	SPACES			
LP-3-97 (21.3 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(12)-1P, 20A	8-17, 19, 30	RECP'S.			
	(2)-1P, 20A (1)-2P, 20A	21, 23 26, 28	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22, 24	SPARES			
	(8)-1P,	25, 27, 29	SPACES			
LP-3-99 (21.0 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21-23	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22, 24,	SPARES			
	(6)-1P	25-30	SPACES			
LP-3-101 (21.0 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(11)-1P, 20A	8-17, 19	RECP'S.			
	(2)-1P, 20A	21, 23	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22	SPARES			
	(6)-1P	25-30	SPACES			
LP-3-103 (21.5 KW)	(6)-1P, 20A	1-5, 7	LIGHTS	C	SURFACE; 225A LUGS ONLY	
	(12)-1P, 20A	8-17, 19, 30	RECP'S.			
	(2)-1P, 20A (4)-2P, 20A	21-23 26, 28	POWER & MISC.			
	(5)-1P, 20A	6, 18, 20, 22, 24	SPARES			
	(3)-1P	26-27, 29	SPACES			
BP-4C-A (51.9 KW)	(14)-1P, 20A	1-13, 15	LIGHTS	BD412, E-F (D)	SURFACE; 225A LUGS ONLY	
	(13)-1P, 20A (1)-2P, 30A	14, 16, 18-24, 26, 28-30 25, 27	RECP'S			
	(1)-1P, 20A	17	POWER & MISC.			
	(6)-1P, 20A	31-36	SPARES			
	(6)-1P	37-42	SPACES			
BP-4W-C (17.4 KW)	(6)-1P, 20A	1-6	LIGHTS	BD410, B-D (B)	FLUSH; 100A LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	7, 9, 11, 12, 17, 19 8, 10, 13, 15	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	18, 18	SPARES			
	(6)-1P	19-24	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
BP-4E C (14.01 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 417, D-F	FLUSH	
	(6)-1P, 20A (2)-2P, 30A	2, 4, 6, 11, 12, 15 7-10	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 15, 17	SPARES			
	(3)-1P	14, 16, 18	SPACES			
BP-4C B (11.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 415, B-C (A)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 30A	2, 4, 6, 7, 9, 11, 12 8, 10	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 14	SPARES			
	(5)-1P	13, 15-18	SPACES			
CP-4C-A (11.0 KW)	(2)-1P, 20A	1, 3	LIGHTS	C	SURFACE; 100A MAIN BREAKER	
	(10)-1P, 20A	2, 4, 6-11, 13, 15, 17	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 12, 14	SPARES			
	(6)-1P	16, 18-24	SPACES			
CP-4C-B (10.9 KW)	(2)-1P, 20A	14, 15	LIGHTS	C	SURFACE; 100A MAIN BREAKER PER SECTION 2-REQUIRED	DOUBLE TUB PANEL EACH SECTION TO HAVE 30-1P POSITIONS
	(12)-1P, 20A (8)-2P, 30A	2, 4, 6-13, 16, 17 26-29, 31, 33-41, 43, 45	RECP'S.			
	(4)-2P, 40A	18-25	POWER & MISC.			
	(8)-1P, 20A	1, 3, 5, 30, 32, 42, 44, 46	SPARES			
	(14)-1P	47-60	SPACES			
CP-4E C (10.0 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	C	FLUSH; 100A MAIN BREAKER	
	(10)-1P, 20A	2, 4, 6-13	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	14-17	SPARES			
	(7)-1P	18-24	SPACES			
CP-4WC 13.8KW	(1)-1P, 20A	7	LIGHTS	C	FLUSH; 100A MAIN BREAKER	
	(7)-1P, 20A	2, 4, 6, 8-10, 12	RECP'S			
	(2)-2P, 40A	11, 13, 15, 17	POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(9)-1P	14, 16, 18-24	SPACES			
LP-4C2 (11.0 KW)	(1)-1P, 20A	1	LIGHTS	BD 415, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10, 12, 14 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 7	SPARES			
	(5)-1P	13, 15-18	SPACES			
LP-4C4 (10.9 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 415, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 7, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-4C5 (6-9 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD412, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 10, 12	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 8	SPARES			
	(9)-1P	7, 9, 11, 13-18	SPACES			
LP-4C7 (16-5 KW)	(3)-1P	1, 3, 12	LIGHTS	BD412, B-D (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A (1)-2P, 40A	2, 4, 6, 14 8, 10 5, 7 9, 11	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	13, 15-17	SPARES			
	(7)-1P	18-24	SPACES			
LP-4C8 (10-2 KW)	(1)-1P, 20A	1	LIGHTS	BD 415, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 7	SPARES			
	(7)-1P	12-18	SPACES			
LP-4C10 (7.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 415, D-F (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A	2, 4, 6, 10, 12 5, 7	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	8, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-4C11 (4-6 KW)	(1)-1P, 20A	1	LIGHTS	BD412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 10, 12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 8	SPARES			
	(3)-1P, 20A	7, 9, 11, 13-18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-4C14 (17.3 KW)	(1)-1P, 20A	1	LIGHTS	BD415, B-C (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (2)-3P, 30A	2, 4, 6 7-12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-4C15 (8.0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2, 4, 6 9, 11	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 7	SPARES			
	(9)-1P	8, 10, 12-18	SPACES			
LP4C17 (10.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2, 4, 6, 8, 10 9, 11	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5, 7, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-4C18 (17.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD415, B-C (B)	SURFACE; 100A LUGS ONLY.	
	(9)-1P, 20A (3)-2P, 20A (2)-2P, 30A	2, 4, 6, 8, 10 12, 14, 16, 18 5, 7, 3, 11	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	13, 15, 17, 19	SPARES			
	(8)-1P	20-26	SPACES			
LP-4E1 (9-3 KW)	(1)-1P, 20A	1	LIGHTS	BD 415, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 10, 12 3, 5	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	7-9	SPARES			
	(7)-1P	11, 13-18	SPACES			
LP-4E2 (5-9 KW)	(1)-1P, 20A	1	LIGHTS	BD 417, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 30A	3, 5 4, 6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	2, 7	SPARES			
	(5)-1P	8-12	SPACES			
LP-4E3 (9-8 KW)	(1)-1P, 20A	1	LIGHTS	BD 415, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 12, 14 3, 5	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	8, 10	SPARES			
	(8)-1P	7, 9, 11, 13, 15-18	SPACES			
LP-4E6 (10-9 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 417, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 10, 12 5, 7	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	8, 9, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-4E8 (10-8 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 417, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 10, 12 5, 7	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	8, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-4E9 (23-7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD415, D-F (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (3)-2P, 30A (1)-3P, 30A	2, 4, 6, 8 10, 12 7, 9, 11, 13, 15, 17 18, 19, 20	RECP'S.			
	(1)-1P, 20A	19	POWER & MISC.			
	(5)-1P, 20A	5, 14, 21-23	SPARES			
	(7)-1P	24-30	SPACES			
LP-4E11 (12-6 KW)	(1)-1P, 20A	1	LIGHTS	BD 415, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10, 12, 14 3, 5	RECP'S.			
	(1)-1P, 20A	11	POWER & MISC.			
	(3)-1P, 20A	7, 9, 13	SPARES			
	(4)-1P	15-18	SPACES			
LP-4E12 (11-2 KW)	(1)-1P, 20A	1	LIGHTS	BD 417, D-F (A)	SURFACE, 100A LUGS ONLY	
	(3)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10, 12, 14 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 7	SPARES			
	(5)-1P	13, 15-18	SPACES			
LP-4E14 (8-2 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 417, B-D (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A	2, 4-7 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	8, 10, 12	SPARES			
	(6)-1P	13-18	SPACES			

REVISIONS	DATE	ISSUED FOR	DATE	REVISIONS	DATE	BY	REL. NO.
	9-25-67	ALL CONTRACTS BIDS-SPECS	10-20-67	ALL CONTRACTS BIDS-ADD. #3	10-30-67	K.E.	ADD'S
			12-6-67	PLUMBING, HTG. CONTRACT BIDS-ADD. #4	12-6-67		

PROJECT DIRECTOR C. B. McGREW | IN CHARGE K. ESHE | DESIGNED BY K. E. | DRAWN B. GARG | CHECKED BY K. E. | DATE SEP. 25, 1967

STATE OF MICHIGAN BUREAU OF THE BUDGET **BUILDING DIVISION** ADRIAN N. LANGLUS, DIRECTOR

ISSUED ☐ REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD | ACCOUNT NO. 100-1590-250-026

SHEET TITLE: PANEL SCHEDULES

ARCHITECTS JOB NO. 66-121 | SHEET NO. EL-82

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT, MICHIGAN

GIFFELS & ROSSETTI, INC. architects engineers
DETROIT MICHIGAN
DIVISION OF HOSPITAL AND MEDICAL FACILITIES SERVICES, MICH. 1-29-152 - RESEARCH FACILITIES NATIONAL INSTITUTES OF HEALTH, BETHESDA, MD.

JOHN WILLIAMS AND ASSOCIATES ARCHITECTS-MEDICAL FACILITIES PLANNERS CLEVELAND OHIO

CONSULTANTS: STRUCTURAL, MECHANICAL, ELECTRICAL

B.K. ELLIOTT CO. 301 750 1-67

P A N E L S C H E D U L E S

CHARACTERISTICS: 208/120V, 3Φ, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-4E15 (15.8 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD415, B-C (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4-6 10, 12 7, 9, 11	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	8, 13, 15	SPARES			
	(4)-1P	14, 16-18	SPACES			
LP-4E17 (17.5 KW)	(1)-1P, 20A	1	LIGHTS	BD415, B-C (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (2)-3P, 30A	2, 4, 6 7-12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 11	SPARES			
	(5)-1P	14-18	SPACES			
LP-4E18 (14.8 KW)	(1)-1P, 20A	1	LIGHTS	BD417, B-D (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (2)-2P, 20A (2)-2P, 30A	2, 4, 8 8, 10, 12, 14 3, 5, 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	11, 13, 15	SPARES			
	(9)-1P	16-24	SPACES			
LP-4E20 (14.2 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD417, B-D (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4-6 12-14 7, 9, 11	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	8, 10, 13	SPARES			
	(10)-1P	15-24	SPACES			
LP-4E24 (5.1 KW)	(1)-1P, 20A	1	LIGHTS	BD417, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 3, 5	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(4)-1P	8, 10-12	SPACES			
LP-4W1 (2.7 KW)	(1)-1P, 20A	1	LIGHTS	BD410, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	4	SPARES			
	(7)-1P	6-12	SPACES			
LP-4W4 (5.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD412, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 5, 10	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 8	SPARES			
	(9)-1P	7, 9, 11, 13-18	SPACES			
LP-4W5 (10.0 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD410, D-F (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A	2, 4, 6-8 10, 12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	9, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-4W6 (14.8 KW)	(1)-1P, 20A	1	LIGHTS	BD412, E-F (A)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 30A (1)-3P, 30A	2, 4, 6, 8, 10, 12 5, 7 11, 13, 15	RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A	3	SPARES			
	(4)-1P	14, 16-18	SPACES			
LP-4W7 (16.4 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD410, D-F (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10, 12 7, 9, 14, 16 11, 13	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	15, 17-19	SPARES			
	(5)-1P	20-24	SPACES			
LP-4W10 (3.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 10, 12 5, 7	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	8, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-4W12 (3.7 KW)	(1)-1P, 20A	1	LIGHTS	BD 412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 30A	2, 4, 6, 8, 10, 12 3, 5	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	7, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-4W14 (13.7 KW)	(1)-1P, 20A	1	LIGHTS	BD412, B-D (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4, 6, 10, 12 5, 7 11, 13, 15	RECP'S			
	(1)-1P, 20A	14	POWER & MISC.			
	(3)-1P, 20A	3, 8, 9	SPARES			
	(8)-1P	16-24	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARK
LP-4W16 (3.4KW)	(1)-1P, 20A	1	LIGHTS	BD412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2, 4, 6, 7, 9	RECP'S.			
	(1)-1P, 20A	8	POWER & MISC.			
	(2)-1P, 20A	8, 5	SPARES			
	(8)-1P	10-18	SPACES			
LP-4W17 (5.6KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD410, B-D (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	10, 12	SPARES			
	(9)-1P	7, 9, 11, 13-18	SPACES			
LP-4W18 (3.7 KW)	(1)-1P, 20A	1	LIGHTS	BD412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 10, 12 5, 7	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	7-9	SPARES			
	(7)-1P	11, 13-18	SPACES			
LP-4W19 (11.8 KW)	(1)-1P, 20A	1	LIGHTS	BD410, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-3P, 30A	2, 4-6 7, 9, 11	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	3, 8, 10, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-4W20 (9.2 KW)	(2)-1P, 20A	1, 7	LIGHTS	BD 412, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 9 3, 5	RECP'S			
	(1)-2P, 30A	11, 13	POWER & MISC.			
	(3)-1P, 20A	6, 8, 10	SPARES			
	(6)-1P	12, 14-18	SPACES			
LP-4W23 (5.1 KW)	(1)-1P, 20A	1	LIGHTS	BD410, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 3, 5	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-4N5 (15.7 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD4B, 10-11 (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4, 6, 8, 10 12, 14 11, 13, 15	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	7, 9, 16, 18	SPARES			
	(7)-1P	17, 19-24	SPACES			
LP-4N7 (4.9 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD4B, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 8	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 7	SPARES			
	(11)-1P	8-18	SPACES			
LP-4N13 (3.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD4B, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 10, 12 5, 7	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	8, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-4N15 (5.1 KW)	(1)-1P, 20A	1	LIGHTS	BD4B, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 3, 5	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	8, 10	SPARES			
	(10)-1P	7, 9, 11-18	SPACES			
LP-4N19 (4.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD4B, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	4, 6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	2, 5	SPARES			
	(6)-1P	7-12	SPACES			
LP-4N21 (4.3 KW)	(1)-1P, 20A	1	LIGHTS	BD4B, 12-15 (A)	SURFACE; 100 LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 3, 5	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	6, 8, 10	SPARES			
	(10)-1P	7, 9, 11-18	SPACES			
LP-4N25 (11.1 KW)	(5)-1P, 20A	1, 3, 7	LIGHTS	BD4B, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2, 4, 6-8, 10	RECP'S.			
	(2)-1P, 40A	9, 11	POWER & MISC.			
	(3)-1P, 20A	5, 12, 14	SPARES			
	(4)-1P	15-18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-4N27 (3.9 KW)	(1)-1P, 20A	1	LIGHTS	BD4B1, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 3, 5	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-4N31 (19.0 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD4B, 16-17 (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-2P, 30A (1)-3P, 30A	2, 4, 6, 8, 9 10, 12 5, 7 11, 13, 15	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	14, 16-18	SPARES			
	(6)-1P	19-24	SPACES			
LP-4S22 (11.9 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD4F, 14-15 (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 30A	2, 4, 6-9 10, 12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	11, 13, 14	SPARES			
	(4)-1P	15-18	SPACES			
LP-4S26 (4.9 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD4F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	10, 12	SPARES			
	(8)-1P	7, 9, 11, 13-18	SPACES			
LP-4S30 (10.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD4F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 30A	2, 4, 6, 10, 12 5, 7	RECP'S			
			POWER & MISC.			
	(4)-1P, 20A	8, 9, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			

B. K. ELLIOTT CO. 301 750 1-67

PANEL SCHEDULES

CHARACTERISTICS: 208/120V, 3Ø, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUITS: BREAKERS	BRANCH CIRCUITS: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
LP-5C17 (13.9 KW)	(2)-1P, 20A	1,3	LIGHTS	BD512, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2,4,6,8	RECP'S			
	(1)-2P, 20A	10,12				
	(1)-2P, 30A	9, 11				
	(3)-1P, 20A	5,7,13	POWER & MISC.			
	(5)-1P	14-18	SPARES			
			SPACES			
LP-5C18 (3.8 KW)	(1)-1P, 20A	1	LIGHTS	BD515, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
	(1)-2P, 20A	8,10				
	(1)-2P, 30A	3, 5	POWER & MISC.			
LP-5E1 SEE THIS SH.	(2)-1P, 20A	7, 9	SPARES			
	(5)-1P	11-18	SPACES			
LP-5E2 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BD517, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2,4	RECP'S			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(4)-1P	8,10-12	SPACES			
LP-5E3 (0.8 KW)	(1)-1P, 20A	1	LIGHTS	BD515, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3,5	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	2, 4, 6	SPARES			
	(6)-1P	7-12	SPACES			
LP-5E5 (0.8 KW)	(1)-1P, 20A	1	LIGHTS	BD515, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	2,4,6	SPARES			
	(6)-1P	7-12	SPACES			
LP-5E6 (13.6 KW)	(2)-1P, 20A	1,3	LIGHTS	BD517, D-F (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2,4,6,8	RECP'S.			
	(2)-2P, 20A	7,9, 10,12				
	(1)-2P, 30A	11,13				
	(1)-1P, 20A	14	POWER & MISC.			
	(6)-1P, 20A	5,15-17	SPARES			
	(7)-1P	19-24	SPACES			
LP-5E7 (2.2 KW)	(2)-1P, 20A	1,3	LIGHTS	BD515, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	4,6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	2, 5	SPARES			
	(6)-1P	7-12	SPACES			
LP-5E8 (12.3 KW)	(1)-1P, 20A	1	LIGHTS	BD517, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2,4,6,8	RECP'S			
	(2)-2P, 20A	5,7,10,12				
	(1)-2P, 30A	9, 11				
LP-5E9 SEE SINGLE PHASE PANELS, SH. #EL-90	(3)-1P, 20A	3,13,15	POWER & MISC.			
	(4)-1P	14, 16-18	SPARES			
			SPACES			
LP-5E11 (2.3 KW)	(1)-1P, 20A	1	LIGHTS	BD515, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(6)-1P	7-12	SPACES			
LP-5E12 (11.1 KW)	(2)-1P, 20A	1,3	LIGHTS	BD517, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
	(1)-2P, 20A	10,12				
	(1)-2P, 30A	5, 7	POWER & MISC.			
	(4)-1P, 20A	8, 9, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-5E13 (11.8 KW)	(1)-1P, 20A	1	LIGHTS	BD515, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
	(2)-2P, 20A	8,10,12,14				
	(1)-2P, 30A	3, 5				
	(1)-1P, 20A	11	POWER & MISC.			
	(3)-1P, 20A	7,9,13	SPARES			
	(6)-1P	15-18	SPACES			
LP-5E14 (10.7KW)	(2)-1P, 20A	1,3	LIGHTS	BD517, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
	(1)-2P, 20A	10,12				
	(1)-2P, 30A	5,7	POWER & MISC.			
	(3)-1P, 20A	8, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT: BREAKERS	BRANCH CIRCUIT: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
LP-5E15 (10.8 KW)	(1)-1P, 20A	1	LIGHTS	BD515, B-C (B)	SURFACE; 100A LUGS ONLY	
	(9)-1P, 20A	2,4,6,7,9,11	RECP'S.			
	(1)-2P, 20A	3, 5				
	(2)-3P, 30A	12-17				
	(1)-1P, 20A	18	POWER & MISC.			
	(6)-1P, 20A	8, 10, 19, 21	SPARES			
	(4)-1P, 20A	20, 22-24	SPACES			
LP-5E17 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BD515, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(6)-1P	8,10-12	SPACES			
LP-5E18 (29.6 KW)	(1)-1P, 20A	1	LIGHTS	BD517, B-D (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
	(1)-2P, 20A	3, 5				
	(3)-2P, 30A	7-12, 14, 16, 18				
	(1)-1P, 20A	17	POWER & MISC.			
	(2)-1P, 20A	13, 15	SPARES			
	(6)-1P	19-24	SPACES			
LP-5E20 (9.7 KW)	(1)-1P, 20A	1	LIGHTS	BD517, B-D (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2,4,8,10,12	RECP'S.			
	(3)-2P, 20A	3, 5				
	(2)-2P, 30A	9, 11				
	(2)-1P, 20A	6, 7	SPARES			
	(6)-1P	13-18	SPACES			
LP-5E22 (3.3 KW)	(2)-1P, 20A	1,3	LIGHTS	BD517, B-D (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	4,6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	2, 5	SPARES			
	(6)-1P	7-12	SPACES			
LP-5W2 (9.2 KW)	(4)-1P, 20A	1	LIGHTS	BD512, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	3, 5	POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(6)-1P	11-18	SPACES			
LP-5W3 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BD510, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(3)-1P, 20A	7, 9	SPARES			
	(6)-1P	8,10-12	SPACES			
LP-5W5 (20.4 KW)	(2)-1P, 20A	1,3	LIGHTS	BD510, D-F (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2,4,8,10,12	RECP'S.			
	(2)-2P, 30A	5,7,14, 18				
	(1)-3P, 30A	11,13,15				
	(4)-1P, 20A	6, 9, 14, 17	SPARES			
	(6)-1P	19-24	SPACES			
LP-5W6 (7.3 KW)	(2)-1P, 20A	1,3	LIGHTS	BD512, E-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2,4,6,8	RECP'S.			
	(1)-2P, 20A	10, 12				
			POWER & MISC.			
	(2)-1P, 20A	5,7	SPARES			
	(5)-1P	9,11,13-18	SPACES			
LP-5W9 (11.5 KW)	(2)-1P, 20A	1,3	LIGHTS	BD510, D-F (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2,4,6,8,10,12	RECP'S.			
	(1)-2P, 30A	5,7				
			POWER & MISC.			
	(3)-1P, 20A	9,11,13	SPARES			
	(6)-1P, 20A	14-18	SPACES			
LP-5W10 (14.9 KW)	(2)-1P, 20A	1,3	LIGHTS	BD512, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
	(1)-2P, 30A	5,7				
	(1)-3P, 30A	11,13,15	POWER & MISC.			
	(3)-1P, 20A	8-10	SPARES			
	(6)-1P	12, 14, 16-18	SPACES			
LP-5W13 (14.0 KW)	(3)-1P, 20A	1,3,8	LIGHTS	BD510, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2,4,6,10	RECP'S			
	(1)-2P, 20A	5, 7				
	(1)-2P, 30A	9, 11	POWER & MISC.			
	(3)-1P, 20A	12, 13, 15	SPARES			
	(6)-1P	14, 16-18	SPACES			
LP-5W14 (10.0 KW)	(1)-1P, 20A	1	LIGHTS	BD512, B-D (A)	SURFACE; 100A LUGS ONLY	
	(1)-2P, 20A	4,6	RECP'S.			
	(1)-3P, 30A	8,10,12				
	(1)-1P, 20A	7	POWER & MISC.			
	(3)-1P, 20A	2,3,5	SPARES			
	(2)-1P	9,11	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT: BREAKERS	BRANCH CIRCUIT: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
LP-5W16 (8.7 KW)	(1)-1P, 20A	1	LIGHTS	BD512, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,8	RECP'S.			
	(1)-2P, 20A	10,12				
	(1)-2P, 30A	3, 5	POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(5)-1P	11,12	SPACES			
LP-5W17 (9.3 KW)	(2)-1P, 20A	1,3	LIGHTS	BD510, B-D (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2,4,8,10,12	RECP'S			
	(1)-2P, 30A	5, 7				
			POWER & MISC.			
	(1)-1P, 20A	6, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-5W18 (15.1 KW)	(2)-1P, 20A	1,3	LIGHTS	BD510, B-D (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2,4,6,8,10,12	RECP'S.			
	(2)-2P, 30A	5, 7, 9, 11				
			POWER & MISC.			
	(3)-1P, 20A	13, 14, 16	SPARES			
	(4)-1P	15-18	SPACES			
LP-5W20 (11.7 KW)	(2)-1P, 20A	1,3	LIGHTS	BD512, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
	(1)-2P, 20A	10,12				
	(1)-2P, 30A	5, 7	POWER & MISC.			
	(3)-1P, 20A	8, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-5N1 (8.2 KW)	(2)-1P, 20A	1,3	LIGHTS	BD558, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
	(1)-2P, 30A	5, 7				
			POWER & MISC.			
	(3)-1P, 20A	8, 9, 11	SPARES			
	(8)-1P	10, 12-16	SPACES			
LP-5N5 (2.7 KW)	(1)-1P, 20A	1	LIGHTS	BD558, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	4,6	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	2, 3, 5	SPARES			
	(8)-1P	7-12	SPACES			
LP-5N9 (7.2 KW)	(2)-1P, 20A	1,3	LIGHTS	BD558, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2,4,6,8	RECP'S.			
	(2)-2P, 20A	9,12				
			POWER & MISC.			
	(6)-1P, 20A	5, 7	SPARES			
	(10)-1P	9,11,13-18	SPACES			
LP-5N11 (4.5 KW)	(1)-1P, 20A	1	LIGHTS	BD558, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4	RECP'S.			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(6)-1P	8,10-12	SPACES			
LP-5N15 (3.8 KW)	(3)-1P, 20A	1,3,5	LIGHTS	BD558, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	4, 6	RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(6)-1P	7-12	SPACES			
LP-5N17 (4.5 KW)	(1)-1P, 20A	1	LIGHTS	BD558, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2,4	RECP'S.			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(6)-1P	8,10-12	SPACES			
LP-5N21 (15.3 KW)	(2)-1P, 20A	1,3	LIGHTS	BD558, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2,4,6,8	RECP'S			
	(1)-2P, 20A	10, 12				
	(2)-2P, 30A	5, 7, 9, 11	POWER & MISC.			
	(3)-1P, 20A	13, 15, 16	SPARES			
	(3)-1P,	17, 18	SPACES			
LP-5N25 (6.5 KW)	(2)-1P, 20A	1,3	LIGHTS	BD558, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
	(1)-2P, 20A	10, 12				
			POWER & MISC.			
	(2)-1P, 20A	8, 8	SPARES			
	(9)-1P	7,9,11,13-16	SPACES			
LP-5N27 (15.1 KW)	(2)-1P, 20A	1,3	LIGHTS	BD558, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S			
	(1)-2P, 20A	10, 12				
	(3)-2P, 30A	5, 7, 9, 11	POWER & MISC.			
	(3)-1P, 20A	13, 14, 16	SPARES			
	(3)-1P	15, 17, 18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT: BREAKERS	BRANCH CIRCUIT: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CABT & MAINS	REMARKS
LP-5N31 (4.1 KW)	(1)-1P, 20A	1	LIGHTS	BD58, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2,4	RECP'S.			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-5S20 (7.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD5F, 14-15 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2,4,6,8	RECP'S.			
	(1)-2P, 20A	10,12				
			POWER & MISC.			
	(2)-1P, 20A	5,7	SPARES			
	(8)-1P	9,11,13-18	SPACES			
LP-5S22 (4.3 KW)	(1)-1P, 20A	1	LIGHTS	BD5F, 14-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2,6	RECP'S			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(3)-1P, 20A	4, 8, 10	SPARES			
	(4)-1P	7, 9, 11, 12	SPACES			
LP-5S24 (9.0 KW)	(1)-1P, 20A	1	LIGHTS	BD5F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S			
	(1)-2P, 20A	8,10				
	(1)-2P, 30A	3, 5				
	(1)-1P, 20A	11	POWER & MISC.			
	(3)-1P, 20A	7, 9, 12	SPARES			
	(8)-1P	13-18	SPACES			
LP-5S26 (8.6 KW)	(1)-1P, 20A	1	LIGHTS	BD5F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2,4,6	RECP'S			
	(1)-1P, 20A	8,10				
	(1)-2P, 30A	3, 5				
			POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(8)-1P	11-18	SPACES			
LP-5S28 (12.4 KW)	(2)-1P, 20A	1,3	LIGHTS	BD5F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2,4,6,8,10	RECP'S			
	(2)-1P, 20A	12,14				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	5,11,13	SPARES			
	(4)-1P	15-18	SPACES			
LP-5S32 (4.1 KW)	(1)-1P, 20A	1	LIGHTS	BD5F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2,6	RECP'S			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(3)-1P, 20A	4, 7, 9	SPARES			
	(4)-1P	8,10-12	SPACES			
LP-5E1 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BD515, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	3, 5				
			POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(4)-1P	8, 10-12	SPACES			
BP-6C-A (32.0 KW)	(14)-1P, 20A	1-13, 15	LIGHTS	BD612, E-F (D)	SURFACE 225A LUGS ONLY	
	(13)-1P, 20A	14, 16, 18-24, 26, 28-30	RECP'S			
	(1)-2P, 30A	25, 27				
	(1)-1P, 20A	17	POWER & MISC.			
	(6)-1P, 20A	31-36	SPARES			
	(6)-1P	37-42	SPACES			
BP-6C-B (11.7 KW)	(5)-1P, 30A	1-5	LIGHTS	BD615, B-C (A)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A	7-12, 18	RECP'S.			
	(1)-2P, 30A	14, 16				
			POWER & MISC.			
	(3)-1P, 20A	6, 13, 15	SPARES			
	(7)-1P	17, 19-24	SPACES			
BP-6EC (13.8 KW)	(2)-1P, 20A	1,3	LIGHTS	BD 617, D-F (A)	FLUSH; 100A LUGS ONLY	
	(6)-1P, 20A	2, 4, 6, 11, 12, 13	RECP'S			
	(2)-2P, 30A	7-10				
			POWER & MISC.			
	(2)-1P, 20A	3, 15	SPARES			
	(4)-1P	14, 16-18	SPACES			
BP-6WC (13.1 KW)	(2)-1P, 20A	1,3	LIGHTS	BD610, B-D (A)	FLUSH 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 11, 12, 13	RECP'S.			
	(2)-2P, 30A	7-10				
			POWER & MISC.			
	(2)-1P, 20A	5, 15	SPARES			
	(4)-1P	14, 16-18	SPACES			

NO.	DATE	REVISIONS	BY	APP'D
1	12-6-67	PLUMBING WORK - CONTRACT NO. 2	K.E.	ADD'S
2	12-20-67	ALL CONTRACTS - BIDS - ADD'S	K.E.	ADD'S
3	2-26-68	ALL CONTRACTS - BIDS - SPECS	BRL	MS

NO.	DATE	ISSUED FOR
1	9-25-67	ALL CONTRACTS - BIDS - SPECS

PROJECT DIRECTOR: C. B. McGREW
IN CHARGE: K. ESHE
DESIGNED BY: K.E.
DRAWN BY: B. GARG
CHECKED BY: K.E.
DATE: SEP. 25, 1967

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD
ACCOUNT NO. 100-1590-250-026

SHEET TITLE: PANEL SCHEDULES

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-84

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 128-152 RESEARCH FACILITIES: NATIONAL INSTITUTES OF HEALTH SERVICE 66-555

DIRECTOR, OFFICE OF CAPITAL IMPROVEMENTS

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B. K. ELLIOTT CO. 301 750 1-67

P A N E L S C H E D U L E S

CHARACTERISTICS: 208/120V, 3Ø, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
CP-6C-A (10.3 KW)	(1)-1P, 20A	7	LIGHTS	(C)	SURFACE; 100A. MAIN BREAKER	
	(14)-1P, 20A (2)-2P, 40A	2, 4, 6, 8-10, 12, 14, 16, 18, 20, 22, 24, 26 11, 13, 15, 17	RECP'S POWER & MISC.			
	(9)-1P, 20A	1, 3, 5	SPARES			
	(5)-1P	19, 21, 23, 25, 27-30	SPACES			
CP-6C-B (27.0 KW)	(1)-1P, 20A	18	LIGHTS	(C)	SURFACE; 225A. MAIN BREAKER	
	(18)-1P, 20A	2, 4, 6-17, 19-21, 23	RECP'S			
	(2)-2P, 40A	22, 24, 26, 28	POWER & MISC.			
	(5)-1P, 20A	1, 3, 5	SPARES			
	(6)-1P	25, 27, 29-36	SPACES			
CP-6EC (11.0 KW)			LIGHTS	(C)	FLUSH; 100A MAIN BREAKER	
	(11)-1P, 20A	2, 4, 6-12, 14, 16	RECP'S			
			POWER & MISC.			
	(8)-1P, 20A	1, 3, 5	SPARES			
	(4)-1P	13, 15, 17, 18	SPACES			
CP-6WC (13.0 KW)			LIGHTS	(C)	FLUSH; 100A MAIN BREAKER	
	(8)-1P, 20A	2, 4, 6-10, 12	RECP'S			
	(1)-2P, 50A	3, 5	POWER & MISC.			
	(5)-1P, 20A	1, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-6C2 (12.7 KW)	(1)-1P, 20 A (5)-1P, 20 A (4)-2P, 20 A (1)-2P, 30 A	1 1-6 8, 10, 12, 14 9, 11	LIGHTS RECP'S. POWER & MISC.	BDG15, D-F (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20 A	7, 13, 15	SPARES			
	(3)-1P	16-18	SPACES			
LP-6C3 (10.1 KW)	(1)-1P, 20 A (3)-1P, 20 A (1)-2P, 20 A (1)-2P, 30 A	1 2, 4, 6 8, 10 3, 5	LIGHTS RECP'S. POWER & MISC.	BDG12, E-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20 A	7, 9	SPARES			
	(8)-1P	11-18	SPACES			
LP-6C4 (14.7 KW)	(2)-1P, 20A. (3)-1P, 20 A (3)-2P, 20 A. (1)-2P, 30 A.	1, 3 2, 4, 6 5, 7, 8, 10, 12, 14 9, 11	LIGHTS RECP'S POWER & MISC.	BDG15, D-F (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	13, 15-17	SPARES			
	(7)-1P	18-24	SPACES			
LP-6C5 (12.2 KW)	(1)-1P, 20A.	1	LIGHTS	BDG12, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A. (2)-2P, 20A. (1)-2P, 30A.	2, 4, 6 8, 10, 12, 14 3, 5	RECP'S POWER & MISC.			
	(1)-1P, 20A.	11				
	(3)-1P, 20A	7, 9, 16	SPARES			
	(4)-1P	13, 15, 17, 18	SPACES			
LP-6C7 (12.3 KW)	(1)-1P, 20A.	1	LIGHTS	BDG12, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A. (2)-2P, 20A. (1)-2P, 30A.	2, 4, 6 8, 10, 12, 14 3, 5	RECP'S. POWER & MISC.			
	(3)-1P, 20A.	7, 9, 11	SPARES			
	(3)-1P.	13, 15-18	SPACES			
LP-6C8 (12.1 KW)	(2)-1P, 20A.	1, 3	LIGHTS	BDG15, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A. (1)-2P, 20A. (1)-2P, 30A.	2, 4, 6, 8 10, 12 5, 7	RECP'S. POWER & MISC.			
	(3)-1P, 20A.	9, 11, 13	SPARES			
	(5)-1P.	14-18	SPACES			
LP-6C9 (13.8 KW)	(1)-1P, 20A	1	LIGHTS	BDG12, B-D (B)	SURFACE; 100A LUGS ONLY	
	(8)-1P, 20A. (3)-2P, 20A. (1)-2P, 30A.	2, 4, 6 8, 10-14 15, 17	RECP'S.			
	(1)-1P, 20A.	19	POWER & MISC.			
	(6)-1P, 20A.	3, 5, 7, 9, 16, 18	SPARES			
	(5)-1P	20-24	SPACES			
LP-6C11 (3.4 KW)	(1)-1P, 20A.	1	LIGHTS	BDG12, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A.	2, 4, 6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A.	3, 5	SPARES			
	(6)-1P	7-12	SPACES			
LP-6C13 (10.1 KW)	(1)-1P, 20A.	1	LIGHTS	BDG12, B-D (A)	SURFACE; 100A LUGS ONLY	
	(8)-1P-20A (1)-2P-20A. (1)-2P-30A.	2, 4, 6 8, 10 3, 5	RECP'S			
	(2)-1P, 20A.	7, 9	SPARES			
	(5)-1P	11-18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUITS BREAKERS	BRANCH CIRCUITS CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-6C14 (6.3 KW)	(2)-1P, 20 A	1, 3	LIGHTS	BDG15, B-C (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20 A 1)-2P, 20 A	2, 4-8, 10 12, 14	RECP'S POWER & MISC.			
	(3)-1P, 20 A	7, 9, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-6C15 (10.5 KW)	(1)-1P, 20 A	1	LIGHTS	BDG12, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20 A (1)-2P, 20 A (1)-2P, 30 A	2, 3, 5, 6, 7 8, 10 9, 11	RECP'S. POWER & MISC.			
	(3)-1P, 20 A	3, 5, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-6C17 (10.1 KW)	(11-1P, 20 A	1	LIGHTS	BDG12, B-D (A)	SURFACE; 100 A LUGS ONLY	
	(6)-1P, 20 A (1)-2P, 20 A (1)-2P, 30A.	2, 4, 6, 7 8, 10 9, 11	RECP'S POWER & MISC.			
	(3)-1P, 20A	3, 5, 12	SPARES			
	(6)-1P.	13-18	SPACES			
LP-6C18 (13.7 KW)	(11-1P, 20A.	1	LIGHTS	BDG15, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A. (3)-2P, 30A.	2, 4, 6 12, 14 3, 5, 7, 9	RECP'S. POWER & MISC.			
	(3)-1P, 20A.	8, 10, 11	SPARES			
	(5)-1P	13, 15-18	SPACES			
LP-6C19 (5.5 KW)	(1)-1P, 20A	1	LIGHTS	BDG12, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(5)-1P	11-18	SPACES			
LP-6E1 (11.3 KW)	(1)-1P, 20A.	1	LIGHTS	BDG15, D-F (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A. (1)-2P, 20A. (1)-2P, 30A.	2, 4, 6 8, 10 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A.	7, 9	SPARES			
	(6)-1P	11-18	SPACES			
LP-6E2 (10.5 KW)	(1)-1P, 20A.	1	LIGHTS	BDG17, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A. (1)-2P, 20A. (1)-2P, 30A.	2, 4, 6 8, 10 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A.	7, 9	SPARES			
	(8)-1P	11-18	SPACES			
LP-6E5 (18.8 KW)	(2)-1P, 20A.	1, 3	LIGHTS	BDG15, D-F (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A (3)-3P, 30A	2, 4, 6 12, 14 5, 7 11, 13, 15	RECP'S. POWER & MISC.			
	(1)-1P, 20A	16				
	(6)-1P, 20A	9, 17-19, 12, 14	SPARES			
	(5)-1P	20-24	SPACES			
LP-6E6 (6.6 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG17, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 6, 8	RECP'S			
	(1)-1P, 20A	7	POWER & MISC.			
	(2)-1P, 20A	5, 9	SPARES			
	(6)-1P	10-18	SPACES			
LP-6E8 (3.1 KW)	(1-1P, 20A	1	LIGHTS	BDG17, D-F (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20 A (1)-2P, 30A	2, 4, 6, 8 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(3)-1P	10-12	SPACES			
LP-6E9 (25.0 KW)	(2)-1P-20A	1, 3	LIGHTS	BDG15, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4, 6 10, 12 7, 9, 11	RECP'S POWER & MISC.			
	(1)-1P, 20A	16				
LP-6E11 SEE SH. EL-86	(3)-1P, 20A	5, 8, 14	SPARES			
	(4)-1P	15, 15, 17, 18	SPACES			
LP-6E12 (14.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG17, D-F (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10, 12 5, 7 9, 11	RECP'S. POWER & MISC.			
	(5)-1P, 20A	13, 15, 17	SPARES			
	(3)-1P	14, 16, 18	SPACES			
LP-6E14 (15.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG17, B-D (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (2)-2P, 20A (1)-3P, 30A	2, 4, 6, 7, 8 10, 12, 14, 16 11, 13, 15	RECP'S			
	(1)-1P, 20A	18	POWER & MISC.			
	(4)-1P, 20A	5, 8, 17, 19	SPARES			
	(5)-1P	20-24	SPACES			

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LP-6E15 (10.8 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG15, B-C (A)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20 A (1)-2P, 20 A	2, 4-8, 10 12, 14	RECP'S POWER & MISC.			
	(1)-1P, 20 A	16				
	(3)-1P, 20A	9, 11, 13	SPARES			
	(4)-1P, 20 A	15, 17, 18	SPACES			
LP-6E16 (6.3 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BDG17, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-1P, 20A	2, 4, 6 10, 12	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 8, 9	SPARES			
	(6)-1P, 20A	9, 11, 13-18	SPACES			
LP-6E17 (10.1 KW)	(1)-1P, 20A	1	LIGHTS	BDG15, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30 A	2, 4, 6 8, 10 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(6)-1P	11-18	SPACES			
LP-6E19 (10.0 KW)	(1)-1P, 20A	1	LIGHTS	BDG15, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(6)-1P	11-18	SPACES			
LP-6E20 (10.3 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BDG17, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-1P, 20A (1)-2P, 30A	2, 4, 6 8, 10 9, 11	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-6E24 (10.5 KW)	(1)-1P, 20A	1	LIGHTS	BDG17, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 10, 12 3, 5	RECP'S. POWER & MISC.			
	(3)-1P, 20A	7-9	SPARES			
	(7)-1P	11, 13-18	SPACES			
LP-6W1 (2.3 KW)	(1)-1P, 20A	1	LIGHTS	BDG10, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	2, 4	SPARES			
	(7)-1P	6-12	SPACES			
LP-6W4 (10.3 KW)	(1)-1P, 20A	1	LIGHTS	BDG12, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2, 4, 6 8, 10 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(8)-1P	11-18	SPACES			
LP-6W5 (25.9 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG10, D-F (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (2)-2P, 20A (2)-1P, 30A (1)-3P, 30A	2, 4, 6, 8, 10 13, 14, 16, 18 7, 9, 11, 15 19, 17, 19	RECP'S. POWER & MISC.			
	(5)-1P, 20A	5, 21-24	SPARES			
	(6)-1P	25-30	SPACES			
LP-6W6 (4.3 KW)	(1)-1P, 20A	1	LIGHTS	BDG12, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 3, 5	RECP'S POWER & MISC.			
	(2)-1P, 20A	8, 10	SPARES			
	(4)-1P	7, 9, 11-12	SPACES			
LP-6W7 (3.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG10, D-F (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10, 12 5, 7 9, 11	RECP'S. POWER & MISC.			
	(5)-1P, 20A	13, 15, 17	SPARES			
	(3)-1P	14, 16, 18	SPACES			
LP-6W8 (3.6 KW)	(1)-1P, 20A	1	LIGHTS	BDG12, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(4)-1P	7-12	SPACES			
LP-6W10 (17.4 KW)	(1)-1P, 20A	1	LIGHTS	BDG12, B-D (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (3)-2P, 20A (2)-2P, 30A	2, 4, 6 8, 10, 12, 14, 16, 18 3, 5, 11, 13	RECP'S POWER & MISC.			
	(1)-1P, 20A	15				
	(4)-1P, 20A	7, 9, 17, 19	SPARES			
	(5)-1P	20-24	SPACES.			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUITS BREAKERS	BRANCH CIRCUITS CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-6W11 (13.8 KW)	(2)-1P-20A	1, 3	LIGHTS	BDG10, D-F (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	2, 4, 6, 8, 10, 12 5, 7, 9, 11	RECP'S. POWER & MISC.			
	(3)-1P, 20A	13, 15, 17	SPARES			
	(3)-1P	14, 16, 18	SPACES			
LP-6W12 (2.5 KW)	(1)-1P, 20A	1	LIGHTS	BDG12, B-D (A)	SURFACE; 100 A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S. POWER & MISC.			
	(5)-1P, 20A	2, 4, 6	SPARES			
	(6)-1P	7-12	SPACES			
LP-6W14 (12.1 KW)	(1)-1P, 20A	1, 3	LIGHTS	BDG12, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20 A (1)-2P, 20A (1)-2P, 30 A	2, 4-6 8, 10 7, 9	RECP'S. POWER & MISC.			
	(1)-1P, 20A	12				
	(2)-1P, 20A	11, 14-16	SPARES			
	(4)-1P	13, 15, 17, 18	SPACES			
LP-6W15 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BDG10, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2, 4, 6 3, 5	RECP'S. POWER & MISC.			
LP-6W16 SEE SINGLE PHASE PANELS; SH. EL-90	(3)-1P, 20A.	7, 9	SPARES			
	(4)-1P	8, 10-12	SPACES			
LP-6W17 (12.3 KW)	(1)-1P, 20A	1	LIGHTS	BDG10, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6, 5 7, 9, 10, 12 11, 13	RECP'S POWER & MISC.			
	(3)-1P, 20A	3, 5, 15	SPARES			
	(4)-1P	14, 16-18	SPACES			
LP-6W18 (16.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG12, B-D (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (2)-2P, 30A	2, 4, 6, 5, 8, 10 12, 14 5, 7, 9, 11	RECP'S POWER & MISC.			
	(4)-1P, 20A	13, 14, 16, 18	SPARES			
	(7)-1P	17, 19-24	SPACES			
LP-6W19 (13.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG10, B-D (A)	SURFACE; 100A LUGS ONLY	
	(8)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6-8 10, 12 9, 11	RECP'S POWER & MISC.			
	(3)-1P, 20A	5, 14, 16	SPARES			
	(6)-1P	13, 15, 17, 18	SPACES			
LP-6W23 (11.5 KW)	(1)-1P, 20A	1	LIGHTS	BDG10, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 3, 5	RECP'S. POWER & MISC.			
	(2)-1P, 20A	7, 9	SPARES			
	(8)-1P	11-18	SPACES			
LP-6N1 (8.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG8, 10-12 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2, 4, 6 5, 7	RECP'S. POWER & MISC.			
	(2)-1P, 20A	9, 11	SPARES			
	(4)-1P	8, 10, 12-18	SPACES			
LP-6N5 (2.7 KW)	(1)-1P, 20A	1	LIGHTS	BDG8, 10-12 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S. POWER & MISC.			
	(3)-1P, 20A	2, 4, 6	SPARES			
	(8)-1P	7-12	SPACES			
LP-6N7 (3.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG8, 10-12 (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A	2, 4, 6, 8, 10 5, 7	RECP'S. POWER & MISC.			
	(3)-1P, 20A	9, 11, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-6N13 (6.0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDG8, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 10, 12	RECP'S. POWER & MISC.			
	(2)-1P, 20A	6, 8	SPARES			
	(9)-1P	7, 9, 11, 13-18	SPACES			
LP-6N15 (7.4 KW)	(1)-1P, 20A	1	LIGHTS	BDG8, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (2)-2P, 20A	2, 4 3, 5, 9, 11	RECP'S POWER & MISC.			
	(1)-1P, 20A	8				
	(3)-1P, 20A	6, 7, 10	SPARES			
	(7)-1P	12-18	SPACES			

REVISIONS	DATE	ISSUED FOR
ADDS	12-6-67	
REL. NO.	10-30-67	K.E.
BY	10-20-67	ALL CONTRACTS-DIDS-ADDS
DATE	9-25-67	ALL CONTRACTS-DIDS-SPECS
REVISIONS	DATE	ISSUED FOR
	12-6-67	REVISIONS-ADDS - SUPPLEMENT

PROJECT DIRECTOR IN CHARGE: MR. B. KUHRTOVA; MR. K. ELLIOTT

DESIGNED BY: K. E.
DRAWN BY: B. GARG
CHECKED BY: K. E.
DATE: SEPT. 25, 1967
APPROVED: A. N. LANGIUS, DIRECTOR

PRODUCTION COURSE OF CAPITAL PROGRAM

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ ISSUED
CONSTRUCTION ☐ ACCOUNT NO. 100-1590-250-026
FINAL RECORD ☐

SHEET TITLE: PANEL SCHEDULES

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-85

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
DETROIT MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH. 129-152 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE: FR-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

B.K. ELLIOTT CO. 301 750 1-67+

P A N E L S C H E D U L E S

CHARACTERISTICS: 208/120V, 3Ø, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT: BREAKERS	BRANCH CIRCUIT: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-6N17 (8.7 KW)	(1)-1P, 20A	1	LIGHTS	BDGB, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4 6,8 3,5	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	7, 9, 10	SPARES			
	(8)-1P	11-18	SPACES			
LP-6N19 (5.7 KW)	(1)-1P, 20A	1	LIGHTS	BDGB, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (2)-2P, 20A	2,4 3, 5, 6, 8	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	7,9	SPARES			
	(9)-1P	10-18	SPACES			
LP-6N21 (7.3 KW)	(1)-1P, 20A	1	LIGHTS	BDGB, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2,4,6 3,5	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	7,9	SPARES			
	(6)-1P	8, 10-12	SPACES			
LP-6N25 (7.3 KW)	(3)-1P, 20A	1,3	LIGHTS	BDGB, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2,4,6 10,12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,7, 8	SPARES			
	(8)-1P	9,11, 13-18	SPACES			
LP-6N27 (2.1 KW)	(2)-1P, 20A	1,3	LIGHTS	BDGB, 16-17 (A)	SURFACE; 100A LUGS ONLY	
			RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A	5	SPARES			
	(9)-1P	2, 4, 6-12	SPACES			
LP-6N31 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BDGB, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 30A	2,4 3, 5	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	6, 7, 8	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-6S20 (24.2 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDGF, 14-15 (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (2)-2P, 20A (2)-2P, 30A (1)-3P, 30A	2, 4, 8, 10 12, 14, 16, 18 5, 7, 9, 11 15, 17, 19	RECP'S			
			POWER & MISC.			
	(5)-1P, 20A	6, 13, 20, 21, 23	SPARES			
	(8)-1P	22, 24-30	SPACES			
LP-6S22 (4.4 KW)	(1)-1P, 20A	1	LIGHTS	BDGF, 14-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 3, 5	RECP'S.			
	(1)-1P, 20A	8	POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(8)-1P	10-18	SPACES			
LP-6S26 (26.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDGF, 16-17 (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (3)-2P, 20A (2)-2P, 30A (1)-3P, 30A	2, 4, 6, 8, 10 5, 7, 12, 14, 16, 18 9, 11, 20, 22 15, 17, 19	RECP'S.			
	(1)-1P, 20A	21	POWER & MISC.			
	(4)-1P, 20A	13, 23-25	SPARES			
	(5)-1P	26-30	SPACES			
LP-6S28 (22.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BDGF, 16-17 (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 8, 10	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	6, 9, 19, 21, 24	SPARES			
	(7)-1P	23, 25-30	SPACES			
LP-6S32 (4.3 KW)	(1)-1P, 20A	1	LIGHTS	BDGF, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 3, 5	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	6, 7, 9	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-6E11 (11.3 KW)	(2)-1P, 20A	1, 2	LIGHTS	BDG15, D-F (A)	SURFACE; 100A LUGS ONLY	
	(1)-1P, 20A	4	RECP'S.			
	(1)-2P, 30A (1)-2P, 40A	3, 5 6, 8	POWER & MISC.			
	(2)-1P, 20 A	10, 12	SPARES			
	(3)-1P	7, 9, 11	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT: BREAKERS	BRANCH CIRCUIT: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
BP-7C-A (31.8 KW.)	(14)-1P, 20A	1-13, 15	LIGHTS	BD712, D-E (B)	SURFACE; 225A LUGS ONLY	
	(13)-1P, 20A (1)-2P, 30A	14, 16, 18-24, 26, 28-30 25, 27	RECP'S.			
	(1)-1P, 20A	17	POWER & MISC.			
	(6)-1P, 20A	31-36	SPARES			
	(6)-1P	37-42	SPACES			
BP-7C-B (14.2 KW.)	(5)-1P, 20A	1-5	LIGHTS	BD715, C-D (B)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 30A	7-12, 17 13, 15	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	6, 14, 16	SPARES			
	(7)-1P	18-24	SPACES			
BP-7EC (13.2 KW.)	(4)-1P, 20A	1,3	LIGHTS	BD717, D-F (A)	FLUSH 100A LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	2, 4, 6, 11, 12, 13 7-10	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	5, 14	SPARES			
	(10)-1P	15-24	SPACES			
BP-7WC (13.1 KW.)	(2)-1P, 20A	1,3	LIGHTS	BD710, B-D (A)	FLUSH 100A LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	2, 4, 6, 11, 12, 13 7-10	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	5, 13	SPARES			
	(5)-1P	14-18	SPACES			
CP-7C-A (8 KW)			LIGHTS	(C)	SURFACE, 100A MAIN BRKR.	
	(8)-1P, 20A	2, 4, 6-11	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(7)-1P	12-18	SPACES			
CP-7C-B (13 KW.)			LIGHTS	(C)	SURFACE, 100A MAIN BRKR.	
	(13)-1P, 20A	2, 4, 6-12, 14, 16, 18, 20	RECP'S			
			POWER & MISC.			
	(5)-1P, 20A	1, 3, 5	SPARES			
	(4)-1P	13/15), 7, 13, 20	SPACES			
CP-7EC (20 KW)			LIGHTS	(C)	FLUSH; 100A MAIN BRKR.	
	(14)-1P, 20A	2, 4, 6-14, 16, 18, 20	RECP'S			
	(1)-2P, 50A	15, 17	POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(5)-1P	19, 21-24	SPACES			
CP-7WC (8 KW.)			LIGHTS	(C)	FLUSH; 100A MAIN BRKR.	
	(8)-1P, 20A	2, 4, 6-10, 12	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 1, 3	SPARES			
	(7)-1P	14-18, 11, 13	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT: BREAKERS	BRANCH CIRCUIT: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-7C2 (4.1 KW)	(1)-1P, 20A	1	LIGHTS	BD715, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2,4 7,9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3,5,6	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-7C3 (8.1 KW)	(1)-1P, 20A		LIGHTS	BD712, D-E (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A		RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(4)-1P	8, 10-12	SPACES			
LP-7C4 (15.4 KW)	(2)-1P, 20A	1, 11	LIGHTS	BD715, D-F (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 30A	2, 4, 6, 8, 13 7, 9	RECP'S.			
	(1)-2P, 40A	15, 17	POWER & MISC.			
	(3)-1P, 20A	3, 5, 10	SPARES			
	(4)-1P	12, 14, 16, 18	SPACES			
LP-7C5 (4.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD712, D-E (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 8	RECP'S.			
			POWER & MISC.			
LP-7C6 SEE SH. EL-87	(2)-1P, 20A	5, 7	SPARES			
	(9)-1P	8-12	SPACES			
LP-7C8 (12.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD715, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8 10, 12 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(9)-1P	14-18	SPACES			
LP-7C9 (2.7 KW)	(1)-1P, 20A	1	LIGHTS	BD712, B-D (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(8)-1P	4, 6-12	SPACES			
LP-7C12 (12.0 KW)	(1)-1P, 20A	1	LIGHTS	BD715, D-F (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6, 7 8, 10, 12, 14 9, 11	RECP'S.			
	(1)-1P, 20A	13	POWER & MISC.			
	(3)-1P, 20A	3, 5, 15	SPARES			
	(9)-1P	16-24	SPACES			
LP-7C13 (16.8 KW)	(3)-1P, 20A	1, 3, 12	LIGHTS	BD712, B-D (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 14 8, 10 7, 9	RECP'S.			
	(1)-2P, 40A	11, 13	POWER & MISC.			
	(4)-1P, 20A	5, 15, 17, 19	SPARES			
	(7)-1P	16, 18, 20-24	SPACES			
LP-7C14 (7.6 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD715, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 7, 9	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	5, 11, 13, 15, 17	SPARES			
	(6)-1P	8, 10, 12, 14, 16, 18	SPACES			
LP-7C15 (8.3 KW)	(1)-1P, 20A	1	LIGHTS	BD712, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2, 4, 6 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(4)-1P	8, 10-12	SPACES			
LP-7C17 (8.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD712, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A	2, 4, 6, 8 10, 12	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 7	SPARES			
	(8)-1P	9, 11, 13-18	SPACES			
LP-7C18 (9.1 KW)	(1)-1P, 20A	1	LIGHTS	BD715, C-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A	2, 4, 6, 8 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(9)-1P	10-18	SPACES			
LP-7E2 (13.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD717, D-F (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10, 12 14, 16 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	15, 17-24	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT: BREAKERS	BRANCH CIRCUIT: CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-7E3 (11.7 KW)	(4)-1P, 20A	1, 3, 5, 7	LIGHTS	BD715, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 9	RECP'S.			
	(1)-2P, 40A	11, 13	POWER & MISC.			
	(3)-1P, 20A	8, 10, 15	SPARES			
	(5)-1P, 20A	12, 14, 16-18	SPACES			
LP-7E7 (21.9 KW)			LIGHTS	BD715, D-F (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (2)-2P, 20A (1)-3P, 30A (1)-3P, 50A	2, 4, 6 8, 10, 12, 14 7, 9, 11 13, 15, 17	RECP'S.			
	(1)-1P, 20A	16	POWER & MISC.			
	(4)-1P, 20A	1, 3, 5, 19	SPARES			
	(6)-1P	18, 20-24	SPACES			
LP-7E8 (18.1 KW)	(4)-1P, 20A	1, 3	LIGHTS	BD717, D-F (B)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 20A (2)-2P, 30A	2, 4, 6-10 14, 16 13, 15, 17, 19	RECP'S.			
	(1)-1P, 20A	18	POWER & MISC.			
	(4)-1P, 20A	5, 11, 12, 20	SPARES			
	(4)-1P	21-24	SPACES			
LP-7E9 (20.6 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD715, D-F (B)	SURFACE; 100A LUGS ONLY	
	(1)-2P, 20A (1)-3P, 30A (1)-3P, 50A	2, 4 6, 8, 10 12, 14, 16	RECP'S.			
	(1)-1P, 20A	18	POWER & MISC.			
	(3)-1P, 20A	5, 7, 9	SPARES			
	(4)-1P	11, 13, 15, 17	SPACES			
LP-7E11 (12.2 KW)	(1)-1P, 20A	1	LIGHTS	BD715, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4, 6 8, 10 7, 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 13	SPARES			
	(6)-1P	12, 14-18	SPACES			
LP-7E12 (6.0 KW)	(3)-1P, 20A	1, 3, 5	LIGHTS	BD717, D-F (A)	SURFACE; 100A LUGS ONLY	
	(9)-1P, 20A	2, 4, 6, 8, 10	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	12, 14	SPARES			
	(8)-1P, 20A	7, 9, 11, 13, 15-18	SPACES			
LP-7E13 (9.6 KW)	(1)-1P, 20A	1	LIGHTS	BD715, C-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S			
	(1)-1P, 20A	12	POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(7)-1P, 20A	11, 13-18	SPACES			
LP-7E14 (14.0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD717, B-D (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10, 12 7, 9 11, 13	RECP'S			
	(1)-1P, 20A	14	POWER & MISC.			
	(4)-1P, 20A	5, 15-17	SPARES			
	(7)-1P	18-24	SPACES			
LP-7E15 (9.7 KW)	(1)-1P, 20A	1	LIGHTS	BD715, C-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (3)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-7E17 (10.1 KW)	(1)-1P, 20A	1	LIGHTS	BD715, C-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(6)-1P	11-18	SPACES			
LP-7E18 (8.3 KW)	(1)-1P, 20A	1	LIGHTS	BD717, B-D (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4 8, 10 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 6	SPARES			
	(8)-1P, 20A	8, 10, 12, 14-18	SPACES			
LP-7E19 (7.3 KW)	(2)-1P, 20A	1, 7	LIGHTS	BD715, C-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 9	RECP'S			
	(1)-2P, 30A	11, 13	POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P, 20A	8, 10, 12, 14-18	SPACES			
LP-7E20 (12.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD717, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4, 6 8, 10 7, 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 12, 14	SPARES			
	(5)-1P	13, 15-18	SPACES			

NO.	DATE	REVISIONS	BY	BILL NO.	DATE
			K.E.	ADD'S	
1	12-6-67	PLUMBER'S BIDS - SUPERVISOR	K.E.		12-6-67
2	10-20-67	ALL CONTRACTS-BIDS-ADD'N	K.E.		10-20-67
3	9-25-67	ALL CONTRACTS-BIDS-SPECS	K.E.		9-25-67

ISSUED FOR

PROJECT DIRECTION: K.E. MIGHERD
IN CHARGE: K.E. MIGHERD
DESIGNED BY: K.E.
DRAWN BY: B. GANG
CHECKED BY: K.E.
DATE: SEP. 25, 1967
APPROVED: [signature]

STATE OF MICHIGAN
BUREAU OF THE BUDGET
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SERVICE MICH. - 129-13 - RESEARCH FACILITIES AND RESOURCES:
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: FR-1512

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CHARACTERISTICS: 208/120V, 3ϕ, 4 W, S/N

P A N E L S C H E D U L E S

PANEL DESIGNATION AND CONNT'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONNT'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-7E24 (16.8KW)	(1)-1P, 20A	1	LIGHTS	BD717, B-D (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A (1)-3P, 30A	2, 4, 6 8, 10 7, 9 11, 13, 15	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 12	SPARES			
	(4)-1P	14, 16-18	SPACES			
LP-7W1 (2.7 KW)	(1)-1P, 20A	1	LIGHTS	BD710, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(5)-1P	4, 6-12	SPACES			
LP-7W4 (3.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD712, D-E (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2, 4	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 6	SPARES			
	(6)-1P	7-12	SPACES			
LP-7W5 (12.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD710, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8 10, 12 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-7W6 (3.5 KW)	(1)-1P, 20A	1	LIGHTS	BD712, D-E (A)	SURFACE; 100 A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	2, 7	SPARES			
	(7)-1P	4, 6-12	SPACES			
LP-7W7 (11.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD710, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8 10, 12 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14, 18	SPACES			
LP-7W8 (3.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD712, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(6)-1P, 20A	12, 14-18	SPACES			
LP-7W11 (2.9 KW)	(1)-1P, 20A	1	LIGHTS	BD710, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(8)-1P	4, 6-12	SPACES			
LP-7W12 (7.3 KW)	(1)-1P, 20A	1	LIGHTS	BD712, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 7, 9	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(4)-1P	8, 10-12	SPACES			
LP-7W13 (17.4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD710, B-D (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (4)-2P, 20A (1)-2P, 30A	2, 4, 6, 8 7, 9, 10, 12, 14, 16, 18, 20 11, 13	RECP'S.			
	(1)-1P, 20A	15	POWER & MISC.			
	(4)-1P, 20A	5, 17, 22, 24	SPARES			
	(8)-1P	19, 21, 23,	SPACES			
LP-7W16 (12.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD712, B-D (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (3)-2P, 20A	2, 4, 6, 8 7, 9, 11, 13, 15, 17	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 10, 12	SPARES			
	(9)-1P,	14, 16, 18, 19-24	SPACES			
LP-7W17 (21.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD710, B-D (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (3)-2P, 20A (1)-2P, 30A (1)-3P, 30A	2, 4, 6-8 11, 13, 15', 17 10, 12 14, 16, 18	RECP'S.			
	(1)-1P, 20A	20	POWER & MISC.			
	(5)-1P, 20A	5, 9, 19, 21, 23	SPARES			
	(8)-1P,	22, 24-30	SPACES			
LP-7W20 (9.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD712, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (3)-2P, 20A	2, 4, 6 7-10, 12, 14	RECP'S.			
	(1)-1P, 20A	11	POWER & MISC.			
	(2)-1P, 20A	5', 13	SPARES			
	(4)-1P	15'-18	SPACES			

PANEL DESIGNATION AND CONNT'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONNT'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-7W21 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BD710, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 7, 9	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-7W23 (12.2 KW)	(1)-1P, 20A	1	LIGHTS	BD710, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6, 7 8, 10, 12, 14 9, 11	RECP'S.			
	(1)-1P, 20A	18	POWER & MISC.			
	(3)-1P, 20A	3, 5, 13	SPARES			
	(4)-1P	13, 15-17,	SPACES			
LP-7N1 (4.1 KW)	(1)-1P, 20A	1	LIGHTS	BD7B, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 6	SPARES			
	(6)-1P	8, 10-12	SPACES			
LP-7N5 (5.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7B, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 8, 10	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 6	SPARES			
	(4)-1P	7, 9, 11, 12	SPACES			
LP-7N9 (11.6 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7B, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 7 8, 10 9, 11	RECP'S			
	(1)-1P, 20A	12	POWER & MISC.			
	(2)-1P, 20A	5, 14	SPARES			
	(5)-1P, 20A	13, 15-18	SPACES			
LP-7N11 (14.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7B, 12-15 (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (3)-2P, 20A (1)-2P, 30A	2, 4, 6, 8 7, 9, 10, 12, 14, 16 11, 13	RECP'S.			
	(1)-1P, 20A	18	POWER & MISC.			
	(4)-1P, 20A	5, 15, 17, 20	SPARES			
	(5)-1P	19, 21-24	SPACES			
LP-7N15 (11.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7B, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6-8 10, 12 9, 11	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	5, 13, 15', 17	SPARES			
	(5)-1P	14, 16, 18	SPACES			
LP-7N21 (16.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7B, 12-15 (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (2)-2P, 20A (1)-2P, 30A	2, 4, 6-9 10, 12, 14, 16 11, 13	RECP'S.			
	(1)-1P, 20A	18	POWER & MISC.			
	(4)-1P, 20A	5, 15, 17, 19	SPARES			
	(5)-1P	20-24	SPACES			
LP-7N25 (3.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7B, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 20A	2, 4, 6-10 11, 13	RECP'S.			
			POWER & MISC.			
	(5)-1P, 20A	5, 12, 14, 16, 18	SPARES			
	(8)-1P	15, 17,	SPACES			
LP-7N27 (14.0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7B, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-3P, 30A	2, 4, 8 10, 13 7, 9, 11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 6, 14	SPARES			
	(5)-1P	13, 15-18	SPACES			
LP-7N31 (11.3 KW)	(1)-1P, 20A	1	LIGHTS	BD7B, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 7, 9 8, 10 11, 13	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 15	SPARES			
	(5)-1P, 20A	12, 14, 16-18	SPACES			
LP-7S20 (13.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7F, 14-15 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8 10, 12 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-7S22 (9.7 KW)	(1)-1P, 20A	1	LIGHTS	BD7F, 14-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 12	SPARES			
	(7)-1P	11, 13-18	SPACES			

PANEL DESIGNATION AND CONNT'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONNT'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-7S24 (7.5 KW)	(1)-1P, 20A	1	LIGHTS	BD7F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2, 4, 6 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-7S26 (11.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(6)-1P	12, 14-18	SPACES			
LP-7S30 (4.6KW)	(2)-1P, 20A	1, 3	LIGHTS	BD7F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 7	SPARES			
	(11)-1P	8-18	SPACES			
LP-7C6 (7.0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD715, D-F (A)	SURFACE; 100A LUGS ONLY	
	(1)-1P, 20A	5	RECP'S.			
	(1)-2P, 40A	9, 11	POWER & MISC.			
	(3)-1P, 20A	2, 4, 7	SPARES			
	(4)-1P	6, 8, 10, 12	SPACES			
BP-8C-A (30.0 KW)	(11)-1P, 20A	1-17	LIGHTS	BD812, E-F (D)	SURFACE; 225A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 30A	19-24, 30 26, 28	RECP'S			
	(1)-1P, 20A	18	POWER & MISC.			
	(4)-1P, 20A	25, 27, 29, 31	SPARES			
	(5)-1P	32-36	SPACES			
BP-8C-B (17.6 KW)	(5)-1P, 20A	1-5	LIGHTS	BD815, B-C (B)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 30A	7-12, 18 14, 16	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	6, 13, 15	SPARES			
	(7)-1P	17, 19-24	SPACES			
BP-8EC (15.6 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD817, D-F (B)	FLUSH; 100A LUGS ONLY	
	(6)-1P, 20A (2)-2P, 30A	2, 4, 6, 7, 9, 11, 12, 18 8, 10, 14, 16	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	5', 13	SPARES			
	(8)-1P	15, 17, 19-24	SPACES			

PANEL DESIGNATION AND CONNT'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONNT'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
BP-8WC (13.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD810, B-D (A)	FLUSH; 100A LUGS ONLY	
	(15)-1P, 20A (2)-2P, 30A	2, 4, 6, 11, 12 7-10	RECP'S			
			POWER & MISC.			
	(1)-1P, 20A	5	SPARE			
	(6)-1P	13-18	SPACE			
CP-8C-A (12.0 KW)	(12)-1P, 20A	2, 4, 6-13, 15, 17	LIGHTS	(C)	SURFACE; 100A MAIN BREAKER	
			RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARE			
	(9)-1P	18-24, 14, 16	SPACE			
CP-8C-B (17.0 KW)	(17)-1P, 20A	2, 4, 6-18, 20, 22	LIGHTS	(C)	SURFACE; 100A MAIN BREAKER	
			RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(4)-1P	19, 21, 23, 24	SPACES			
CP-8EC (9.0KW)	(9)-1P, 20A	2, 4, 6-12	LIGHTS	(C)	FLUSH; 100A MAIN BREAKER	
			RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(6)-1P	13-18	SPACES			
CP-8WC (9.0 KW)	(9)-1P, 20A	2, 4, 6-12	LIGHTS	(C)	FLUSH; 100A MAIN BREAKER	
			RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(6)-1P	13-18	SPACES			
LP-8C2 (12.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD815, D-F (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10, 12 14, 16 7, 9	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	5, 11, 13	SPARES			
	(8)-1P	15', 17-24	SPACES			
LP-8C3 (11.8 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD812, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-8C6 (9.2 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD815, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(6)-1P	12, 14-18	SPACES			
LP-8C7 (2.9 KW)	(1)-1P, 20A	1	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(8)-1P	4, 6-12	SPACES			
LP-8C8 (13.1 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD815, D-F (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10 12, 14 7, 9	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(10)-1P	15'-24	SPACES			
LP-8C9 (11.8 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8 10, 12 7, 9	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-8C12 (3.2 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD815, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2, 4 5, 6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 6	SPARES			
	(6)-1P	7-12	SPACES			
LP-8C15 (11.5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD 812, B-D (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 8, 10 12, 14 7, 9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(10)-1P	15'-24	SPACES			

NO.	REVISIONS	DATE	BY	BULL. NO.
1	ISSUED FOR BIDS-SPECS	12-6-67	K.E.	ADD'S
2	ALL CONTRACTS-BIDS-ADD'S	12-20-67		
3	ALL CONTRACTS-BIDS-SPECS	01-30-68		
4	ISSUED FOR CONSTRUCTION	3-25-68		

PREPARED UNDER THE DIRECTION OF ALBERT KAHN ASSOCIATES, INC.

PROJECT DIRECTOR IN CHARGE: K. E. KLEISE
DESIGNED BY: K. E.
DRAWN BY: B. GARG
CHECKED BY: K. E.
DATE: SEP. 25, 1967
APPROVED: [signature]

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED: REVIEW ☐ ☐ CONSTRUCTION ☐ ☐ FINAL RECORD ☐
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: PANEL SCHEDULES
ARCHITECT'S JOB NO.: 66-121
SHEET NO.: EL-87

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
MICHIGAN
DETROIT

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE
SERVICE MICH. - 129-155 RESEARCH FACILITIES
NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH SERVICE: FR-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

8-5

B.K. ELLIOTT CO. 301 750 1-67

P A N E L S C H E D U L E S

CHARACTERISTICS: 208/120V, 3φ, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-8C16 (8.5 KW)	(1)-1P, 20A	1	LIGHTS	BD815, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 30A	2,4,6 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(10)-1P	8,10-18	SPACES			
LP-8C17 (9.1 KW)	(1)-1P, 20A	1	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(8)-1P	11-18	SPACES			
LP-8C18 (10.3 KW)	(1)-1P, 20A	1	LIGHTS	BD815, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(8)-1P	11-18	SPACES			
LP-8C19 (2.9 KW)	(1)-1P, 20A	1	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3,5	RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A		SPARES			
	(9)-1P	2,4,6-12	SPACES			
LP-8E2 (2.9 KW)	(1)-1P, 20A	1	LIGHTS	BD 817, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3,5	RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(6)-1P	2,4,6-12	SPACES			
LP-8E3 (17.7 KW)	(2)-1P, 20A	1,3	LIGHTS	BD815, D-F (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (2)-2P, 30A	2,4,6,8,10,12 14,16 7,9,11,13	RECP'S.			
	(1)-1P, 20A	15	POWER & MISC.			
	(4)-1P, 20A	5,17,19,21	SPARES			
	(5)-1P	18,20,22-24	SPACES			
LP-8E6 (18.2 KW)	(2)-1P, 20A	1,3	LIGHTS	BD817, D-F (B)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 20A (2)-2P, 30A	2,4,6-8,10,12 9,11 13-16	RECP'S.			
	(1)-1P, 20A	18	POWER & MISC.			
	(4)-1P, 20A	5,17,19,21	SPARES			
	(4)-1P	20,22-24	SPACES			
LP-8E7 (16.5 KW)	(3)-1P, 20A	1,3,14	LIGHTS	BD815, D-F (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (2)-2P, 30A	2,4,6,12 8,10 7,9,11,13	RECP'S.			
			POWER & MISC.			
	(4)-1P, 20A	5,15,17,19	SPARES			
	(7)-1P	16,18,20-24	SPACES			
LP-8E8 (10.4 KW)	(1)-1P, 20A	1	LIGHTS	BD817, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6,8 10,12 7,9	RECP'S.			
	(1)-1P, 20A	14	POWER & MISC.			
	(3)-1P, 20A	3,5,11	SPARES			
	(5)-1P	13,15-18	SPACES			
LP-8E11 (17.2 KW)	(2)-1P, 20A	1,14	LIGHTS	BD815, D-F (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A (1)-2P, 40A	2,4,6,12 8,10 7,9 11,13	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	3,5,15	SPARES			
	(3)-1P	16-18	SPACES			
LP-8E12 (11.4 KW)	(2)-1P, 20A	1,3	LIGHTS	BD817, D-F (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 30A	2,4,6,8,10,12 7,9	RECP'S.			
	(1)-1P, 20A	14	POWER & MISC.			
	(3)-1P, 20A	5,11,13	SPARES			
	(4)-1P	15-18	SPACES			
LP-8E13 (9.8 KW)	(1)-1P, 20A	1	LIGHTS	BD 815, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(10)-1P	11-18	SPACES			
LP-8E14 (11.0 KW)	(2)-1P, 20A	1,3	LIGHTS	BD817, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
	(1)-1P, 20A	12	POWER & MISC.			
	(3)-1P, 20A	5,11,13	SPARES			
	(5)-1P	14-18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'D BUS DUCT, (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-8E15 (3.8 KW)	(1)-1P, 20A	1	LIGHTS	BD815, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(8)-1P	11-18	SPACES			
LP-8E18 (4.8 KW)	(2)-1P, 20A	1,3	LIGHTS	BD817, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	5,7	SPARES			
	(11)-1P	8-18	SPACES			
LP-8E19 (11.2 KW)	(2)-1P, 20A	1,3	LIGHTS	BD 815, B-C (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,11,13	SPARES			
	(6)-1P	12,14-18	SPACES			
LP-8E20 (10.3 KW)	(2)-1P, 20A	1,3	LIGHTS	BD817, B-D (A)		
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
LP-8E24 SEE THIS SHEET	(3)-1P, 20A	5,11,13	SPARES			
	(6)-1P	12,14-18	SPACES			
LP-8W1 (2.7 KW)	(1)-1P, 20A	1	LIGHTS	BD810, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(6)-1P	7-12	SPACES			
LP-8W2 (5.2 KW)	(1)-1P, 20A	1	LIGHTS	BD 812, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2,4,6 7,9	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(4)-1P	8,10-12	SPACES			
LP-8W4 (1.8 KW)	(1)-1P, 20A	1	LIGHTS	BD812, E-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2,4	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	3,5,6	SPARES			
	(6)-1P	7-12	SPACES			
LP-8W5 (10.9 KW)	(2)-1P, 20A	1,3	LIGHTS	BD810, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6, 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,11,12	SPARES			
	(6)-1P	13-18	SPACES			
LP-8W6 (7.6 KW)	(1)-1P, 20A	1	LIGHTS	BD812, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (2)-2P, 20A	2,4,6 7-10	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(8)-1P	11-18	SPACES			
LP-8W7 (4.1 KW)	(1)-1P, 20A	1	LIGHTS	BD810, D-E (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2,4 7,9	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	3,5,6	SPARES			
	(4)-1P	8,10-12	SPACES			
LP-8W8 (14.2 KW)	(3)-1P, 20A	1,3,7	LIGHTS	BD812, D-F (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A	2,4,6,8,9 10,12	RECP'S			
	(1)-2P, 40A	11,13	POWER & MISC.			
	(3)-1P, 20A	5,15,17	SPARES			
	(9)-1P	14,16,18-24	SPACES			
LP-8W9 (7.7 KW)	(2)-1P, 20A	1,3	LIGHTS	BD810, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
			POWER & MISC.			
LP-8W10 SEE THIS SHEET	(2)-1P, 20A	5,7	SPARES			
	(5)-1P	8-12	SPACES			
LP-8W12 (3.2 KW)	(1)-1P, 20A	1,	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3,5,7	SPARE			
	(5)-1P	8-12	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-8W13 (13.1 KW)	(2)-1P, 20A	1,3	LIGHTS	BD 810, B-D (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6-9 10,12 11,13	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5,15,17	SPARES			
	(3)-1P	14,16,18	SPACES			
LP-8W16 (10.7 KW)	(2)-1P, 20A	1,3	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 10-12 7,9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,8,11	SPARES			
	(6)-1P	13-18	SPACES			
LP-8W17 (2.9 KW)	(1)-1P, 20A	1	LIGHTS	BD810, B-D (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3,5	RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(8)-1P	4,6-12	SPACES			
LP-8W19 (11.9 KW)	(2)-1P, 20A	1,3	LIGHTS	BD810, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6,8 10,12 7,9	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5,11,13	SPARES			
	(5)-1P	14-18	SPACES			
LP-8W20 (12.0 KW)	(2)-1P, 20A	1,3	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6,8 10,12 7,9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,11,13	SPARES			
	(5)-1P	14-18	SPACES			
LP-8W23 (5.1 KW)	(1)-1P, 20A	1	LIGHTS	BD 810, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2,4,6 8,10	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(10)-1P	7,9,11-18	SPACES			
LP-8N3 (8.3 KW)	(2)-1P, 20A	1,3	LIGHTS	BD813, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A	2,4,6 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5,11	SPARES			
	(9)-1P	8,10,12-18	SPACES			
LP-8N5 (2.7 KW)	(1)-1P, 20A	1	LIGHTS	BD 813, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3,5	RECP'S.			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(8)-1P	4,6-12	SPACES			
LP-8N9 (10.7 KW)	(2)-1P, 20A	1,3	LIGHTS	BD 813, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,11,12	SPARES			
	(6)-1P	13-18	SPACES			
LP-8N13 (10.5 KW)	(2)-1P, 20A	1,3	LIGHTS	BD88, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A (1)-2P, 20A (1)-2P, 30	2,4,6,8 10,12 7,9	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,11,13	SPARES			
	(9)-1P	14-18	SPACES			
LP-8N15 (9.7 KW)	(1)-1P, 20A	1	LIGHTS	BD88, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6 8,10 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(8)-1P	11-18	SPACES			
LP-8N17 (3.1 KW)	(2)-1P, 20A	1,3	LIGHTS	BD88, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2,4	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5,6	SPARES			
	(6)-1P	7-12	SPACES			
LP-8N21 (7.9 KW)	(2)-1P, 20A	1,3	LIGHTS	BD 88, 12-15 (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2,4,6-8 10,12 9,11	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5,13,15	SPARES			
	(4)-1P	14,16-18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-8N25 (16.6 KW)	(2)-1P, 20A	1,3	LIGHTS	BD88, 16-17 (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 20A (2)-2P, 30A	2,4,6-8 9,11 10,12,13,15	RECP'S			
			POWER & MISC.			
	(4)-1P, 20A	5,14,16,18	SPARES			
	(7)-1P	17,19-24	SPACES			
LP-8N27 (8.3 KW)	(1)-1P, 20A	1	LIGHTS	BD88, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A (1)-2P, 30A	2-6 7,9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	8,11	SPARES			
	(2)-1P	10,12	SPACES			
LP-8N29 (4.3 KW)	(2)-1P, 20A	1,3	LIGHTS	BD88, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2,4,8,10	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	5,6,12	SPARES			
	(6)-1P	7,9,11,13-18	SPACES			
LP-8S24 (2.9 KW)	(1)-1P, 20A	1	LIGHTS	BD8F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(6)-1P	7-12	SPACES			
LP-8S26 (3.3 KW)	(1)-1P, 20A	1	LIGHTS	BD8F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(6)-1P	7-12	SPACES			
LP-8S28 (6.5 KW)	(2)-1P, 20A	1,3	LIGHTS	BD8F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2,4,6 8,10	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5,7	SPARES			
	(9)-1P	9,11-18	SPACES			
LP-8S32 (4.9 KW)	(1)-1P, 20A	1	LIGHTS	BD8F, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2,4,6 8,10	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(4)-1P	7,9,11,12	SPACES			
LP-8E24 (4.4 KW)	(1)-1P, 20A	1	LIGHTS	BD817, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3,5	SPARES			
	(6)-1P	7-12	SPACES			
LP-8W10	(2)-1P, 20A	1,3	LIGHTS	BD812, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2,4,5	RECP'S.			
	(1)-2P, 40A	6,8	POWER & MISC.			
	(3)-1P, 20A	7,9,11	SPARES			
	(8)-1P	10,12-18	SPACES			

NO.	REVISIONS	DATE	ISSUED FOR
ADD'D	FEDERAL FUNDS - CONTRACT DOCUMENTS	12-6-67	
1	ALL CONTRACTS-BIDS-ADD'NS	10-20-67	K.E.
BULL. NO.		BY	
	ALL CONTRACTS-BIDS-SPECS	9-25-67	

PROJECT DIRECTOR: E.B. McGREW
DESIGNED BY: K.E.
CHECKED BY: K.E.
APPROVED: [signature]
IN CHARGE: K. ESHE
DRAWN BY: B. GARG
DATE: SEPT. 25, 1967

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ISSUED: REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ACCOUNT NO. 100-1590-250-026
SHEET TYPE: PANEL SCHEDULES

ARCHITECTS JOB NO. 66-121
SHEET NO. EL-88

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
DETROIT MICHIGAN

FACILITIES, PUBLIC HEALTH SERVICE, HEW
DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE, DEPARTMENT OF HEALTH, EDUCATION AND WELFARE
NATIONAL INSTITUTE OF HEALTH, PUBLIC HEALTH SERVICE

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND

CONSULTING CIVIL & SOILS ENGINEERS

B. K. ELLIOTT CO. 301 750 1-67*

PANEL SCHEDULES

CHARACTERISTICS: 208/120V, 3Φ, 4W, S/N

PANEL DESIGNATION AND CONN'T'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'T'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
BP-9C-A (35-5KW)	(11)-1P, 20A	1-17	LIGHTS	BD912, E-F (D)	SURFACE 225A. LUGS ONLY	
	(18)-1P, 20A	19-24, 26, 28, 29, 30, 32, 34, 36	RECP'S			
	(1)-2P, 30A	25, 27				
	(1)-1P, 20A	18	POWER & MISC.			
	(3)-1P, 20A	31, 33, 35	SPARES			
	(6)-1P	37-42	SPACES			
BP-9C-B (16-7KW)	(5)-1P, 20A	1-5	LIGHTS	BD915, B-C (B)	SURFACE 100A. LUGS ONLY.	
	(8)-1P, 20A	7-12, 17, 18	RECP'S			
	(2)-2P, 30A	13-16				
			POWER & MISC.			
	(4)-1P, 20A	6, 19-21	SPARES			
	(3)-1P	22-24	SPACES			
BP-9E-C (24 KW.)	(6)-1P-20A	1-6	LIGHTS	BD917, D-F (B)	FLUSH 100A. LUGS ONLY	
	(10)-1P, 20A	7-13, 15, 17, 18, 24	RECP'S			
	(2)-2P, 30A	14, 19, 20, 22				
			POWER & MISC.			
	(5)-1P, 20A	19, 21, 23, 26, 28	SPARES			
	(4)-1P	25, 27, 29, 30	SPACES			
BP-9W-C (13-1KW)	(1)-1P, 20A	1	LIGHTS	BD910, B-D (A)	FLUSH 100A. LUGS ONLY	
	(9)-1P, 20A	6, 7, 9, 11, 13, 15	RECP'S			
	(2)-2P, 30A	2, 4, 8, 10				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(5)-1P	14-18	SPACES			
CP-9C-A (9KW.)	(9)-1P, 20A	2, 4, 6-12	LIGHTS	(C)	SURFACE 100A. MAIN BRKR.	
			RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(6)-1P	13-18	SPACES			
CP-9C-B (17KW)	(17)-1P, 20A	2, 4, 6-17, 18, 19, 21	LIGHTS	(C)	SURFACE 100A. MAIN BRKR.	
			RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(6)-1P	20, 22-24	SPACES			
CP-9E-C (11KW)			LIGHTS	(C)	FLUSH 100A. MAIN BRK'R.	
	(11)-1P, 20A	2, 4, 6-13, 15	RECP'S			
			POWER & MISC			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(6)-1P	14, 16-18	SPACES			
CP-9W-C (10KW.)	001-1P, 20A	2, 4, 6-13	LIGHTS	(C)	FLUSH 100A. MAIN BRK'R	
			RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	1, 3, 5	SPARES			
	(5)-1P	14-18	SPACES			
LP-9C2 (10-0 KW)	(1)-1P, 20A	1	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9C3 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD912, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(6)-1P	11-18	SPACES			
LP-9C4 (12-6 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A	2, 4, 7, 9, 11	RECP'S			
	(1)-2P, 20A	6, 8				
	(1)-2P, 30A	10, 12				
			POWER & MISC.			
	(3)-1P, 20A	5, 13, 15	SPARES			
	(4)-1P	14, 16-18	SPACES			
LP-9C5 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD912, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9C7 (11-4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD912, B-D (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2, 4, 6, 8, 10, 12	RECP'S.			
	(1)-2P, 30A	5, 7				
	(1)-1P, 20A	9	POWER & MISC.			
	(2)-1P, 20A	11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-9C8 (11-8 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-9C13 (7-7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD912, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S			
	(1)-2P, 20A	8, 10				
			POWER & MISC.			
	(2)-1P, 20A	5, 7	SPARES			
	(5)-1P	9, 11-18	SPACES			
LP-9C14 (11-8 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD915, B-C (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-9C15 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD912, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P,					
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9C17 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD912, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6	RECP'S			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 12	SPARES			
	(7)-1P	11, 13-18	SPACES			
LP-9C18 (12-5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD915, B-C (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
LP-9C19 SEE SHT. * EL-90	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-9E1 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(6)-1P	7-12	SPACES			
LP-9E2 (14 5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD917, D-F (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2, 4, 6-9	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	11, 13				
			POWER & MISC.			
	(3)-1P, 20A	5, 14, 16	SPARES			
	(8)-1P	15, 17, 18	SPACES			
LP-9E3 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(6)-1P	11-18	SPACES			
LP-9E5 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(6)-1P	11-18	SPACES			
LP-9E6 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD917, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9E7 (2-9 KW)	(1)-1P, 20A	1	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(6)-1P	7-12	SPACES			
LP-9E8 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD917, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9E9 (4-9 KW)	(1)-1P, 20A	1	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S			
	(1)-2P, 20A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(7)-1P	8, 10-12	SPACES			
LP-9E11 (9-1 KW)	(1)-1P, 20A	1	LIGHTS	BD915, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(7)-1P	11, 13-18	SPACES			
LP-9E12 (11-4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD917, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-9E14 (13-4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD917, B-D (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2, 4, 6-9	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	11, 13				
			POWER & MISC.			
	(3)-1P, 20A	5, 15, 17	SPARES			
	(9)-1P	14, 16, 18	SPACES			
LP-9E15 (8-0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD915, B-C (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
			POWER & MISC.			
	(2)-1P, 20A	5, 7	SPARES			
	(6)-1P	9, 11, 13-18	SPACES			
LP-9E17 (17-1 KW)	(1)-1P, 20A	1	LIGHTS	BD915, B-C (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
	(1)-3P, 30A	11, 13, 15				
	(1)-1P, 20A	14	POWER & MISC.			
	(3)-1P, 20A	3, 5, 8	SPARES			
	(3)-1P	16-18	SPACES			
LP-9E18 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD917, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9E19 (10-6 KW)	(1)-1P, 20A	1	LIGHTS	BD915, B-C (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 11	SPARES			
	(6)-1P	13-18	SPACES			
LP-9E20 (10-1 KW)	(1)-1P, 20A	1	LIGHTS	BD917, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9E24 (13-6 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD917, B-D (A)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A	2, 4, 6-9	RECP'S			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	11, 13				
			POWER & MISC.			
	(3)-1P, 20A	5, 15, 17	SPARES			
	(9)-1P	14, 16, 18	SPACES			
LP-9W1 (3-1 KW)	(1)-1P, 20A	1	LIGHTS	BD910, D-F (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(5)-1P	4, 6-12	SPACES			
LP-9W2 (10-8 KW)	(1)-1P, 20A	1	LIGHTS	BD912, E-F (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
		3, 5	POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9W5 (11-7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD910, D-F (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			
LP-9W6 (7-0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD912, E-F (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S			
	(1)-2P, 20A	5, 7				
			POWER & MISC.			
	(3)-1P, 20A	8-10	SPARES			
	(4)-1P	11-24	SPACES			
LP-9W7 (14-1 KW)	(1)-1P, 20A	1	LIGHTS	BD910, D-F (B)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 7	RECP'S.			
	(3)-2P, 20A	8, 10, 12, 14, 16, 18				
	(1)-2P, 30A	9, 11				
	(1)-1P, 20A	13	POWER & MISC.			
	(3)-1P, 20A	3, 5, 15	SPARES			
	(7)-1P	17, 19-24	SPACES			
LP-9W11 (12-7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD910, D-F (B)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2, 4, 6-8	RECP'S			
	(1)-2P, 20A	10-12				
	(1)-2P, 30A	9, 11				
			POWER & MISC.			
	(3)-1P, 20A	5, 13, 15	SPARES			
	(10)-1P	14, 16-24	SPACES			
LP-9W12 (7-0 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD912, B-D (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	10, 12				
			POWER & MISC.			
	(2)-1P, 20A	7, 8	SPARES			
	(14)-1P	9, 11, 13-24	SPACES			
LP-9W13 (5-2KW)	(1)-1P, 20A	1	LIGHTS	BD910, B-D (A)	SURFACE; 100A LUGS ONLY	
	(5)-1P, 20A	2, 4, 6, 8, 10	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 12	SPARES			
	(3)-1P	7, 9, 11	SPACES			
LP-9W16 (9-2 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD912, B-D (B)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 11	SPARES			
	(9)-1P	8, 10, 12-18	SPACES			
LP-9W19A (1-8 KW)	(1)-1P, 20A	1	LIGHTS	BD910, B-D (B)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	2, 4	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5*	SPARES			
	(19)-1P	6-24	SPACES			
LP-9W19B (3-8 KW)	—	—	LIGHTS	BD910, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	1, 3				
	(3)-2P, 30A	5, 7				
			POWER & MISC.			
	(2)-1P, 20A	10, 12	SPARES			
	(6)-1P	9, 11, 13-18	SPACES			
LP-9W20 (4-9 KW)	(1)-1P, 20A	1	LIGHTS	BD912, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	7, 9				
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(10)-1P	8, 10-18	SPACES			
LP-9W21 (6-7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD910, B-D (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 7	SPARES			
	(10)-1P	9-18	SPACES			
LP-9N1 (2-7 KW)	(1)-1P, 20A	1	LIGHTS	BD9B, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	3, 5	RECP'S			
			POWER & MISC.			
	(1)-1P, 20A	2	SPARES			
	(8)-1P	4, 6-12	SPACES			
LP-9N5 (11-5 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD9B, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A	2, 4, 6	RECP'S.			
	(1)-2P, 20A	8, 10				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 12	SPARES			
	(6)-1P	13-18	SPACES			
LP-9N9 (12-4 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD9B, 10-11 (A)	SURFACE; 100A LUGS ONLY	
	(4)-1P, 20A	2, 4, 6, 8	RECP'S.			
	(1)-2P, 20A	10, 12				
	(1)-2P, 30A	7, 9				
			POWER & MISC.			
	(3)-1P, 20A	5, 11, 13	SPARES			
	(5)-1P	14-18	SPACES			

REVISIONS	DATE	ISSUED FOR
K.E. ADD-T5	12-6-67	PUBLISHED BIDS-SUPPLEMENT
K.E. ADD-T5	10-20-67	ALL CONTRACTS-BIDS-ADD #5
	9-25-67	ALL CONTRACTS-BIDS-SPECS
REVISIONS	DATE	ISSUED FOR

PROJECT DIRECTOR IN CHARGE: A. GIFFELS
DESIGNED BY: K.E.
DRAWN BY: B. GARG
CHECKED BY: DATE: SEPT. 25, 1967
APPROVED: [signature]
PROJECTION COURSE OF CLINICAL PROGRAMS

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGUIS, DIRECTOR

ISSUED
ACCOUNT NO. 100-1590-250-026
REVIEW
CONSTRUCTION
FINAL RECORD
SHEET TITLE: PANEL SCHEDULES

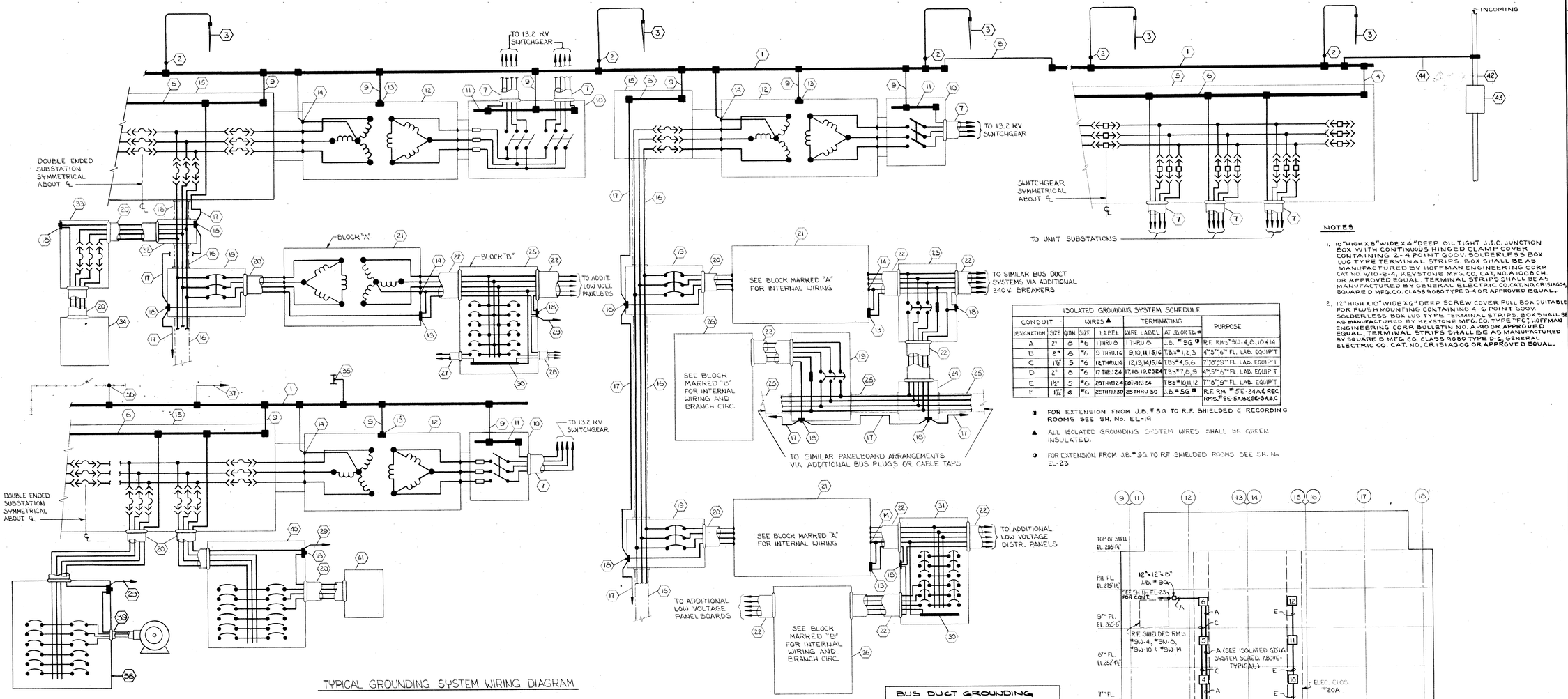
ARCHITECTS JOB NO. 66-121
SHEET NO. EL-89

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICHIGAN 1-2-3-4-5
NATIONAL INSTITUTE OF HEALTH; PUBLIC HEALTH

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO



TYPICAL GROUNDING SYSTEM WIRING DIAGRAM

GROUNDING SYSTEM LEGEND

1. GROUND BUS - 1/4" x 2" COPPER BAR LOCATED AS INDICATED ON THE DRAWINGS WITH MAXIMUM RESISTANCE TO GROUND OF 20 OHMS.
2. #2/0 BARE COPPER CONDUCTOR BRAZED TO ASSOCIATED GROUND ROD.
3. COPPER GROUND ROD - 3/4" x 10'-0" MINIMUM - LOCATED AS INDICATED ON THE DRAWINGS.
4. 500 MCM GREEN INSULATED CONDUCTOR.
5. 15 KV SWITCHGEAR
6. UNINSULATED 1/4" x 2" COPPER GROUND BUS BONDED TO EACH SECTION OF SWITCHGEAR HOUSING AND SUITABLY INTERCONNECTED TO PROVIDE A CONTINUOUS BUS.
7. 13.2 KV FEEDER CONSISTING OF PHASE AND GROUNDING CONDUCTORS IN A COMMON CONDUIT.
8. 500 MCM BARE COPPER GROUNDING CONDUCTOR.
9. #4/0 GREEN INSULATED CONDUCTOR.
10. PRIMARY SWITCH.
11. UNINSULATED 1/4" x 2" COPPER GROUND BUS BONDED TO EACH PRIMARY SWITCH HOUSING AND SUITABLY INTERCONNECTED TO PROVIDE A CONTINUOUS BUS.
12. TRANSFORMER - 13.2 KV-480 V.
13. GROUND PAD.
14. INSULATED BUSHING.
15. 480 VOLT SWITCHGEAR.
16. 480 VOLT, 3 PHASE, 3 WIRE BUS DUCT.
17. SUITABLE CONTINUOUS BARE GROUND CONDUCTOR RUN ALONG AND BRAZED TO BUS DUCT HOUSING AT APPROXIMATELY FIVE FOOT INTERVALS, SEE TABLE ON THIS SHEET. CONTRACTOR MAY PROVIDE INTERNALLY LOCATED GROUNDING CONDUCTOR TO BUS DUCT.
18. GROUNDING BAR AND INTERNAL LUG SUITABLY BRAZED TO HOUSING - SIZE AND NUMBER OF CONNECTIONS AS REQUIRED.
19. BREAKER TYPE PLUG-IN UNIT OR CABLE TAP BOX WITH INDIVIDUAL BREAKER.
20. 480 VOLT FEEDER CONSISTING OF PHASE CONDUCTORS AND GROUND CONDUCTOR IN A COMMON CONDUIT.
21. DRY TYPE TRANSFORMER - 480V-208Y/120V.
22. 208/120 VOLT FEEDER CONSISTING OF INSULATED PHASE, NEUTRAL AND GROUNDING CONDUCTORS IN A COMMON CONDUIT OR WIREWAY.
23. 240 VOLT, 3 PHASE, 4 WIRE BREAKER.
24. PLUG-IN UNIT OR CABLE TAP BOX.
25. 208/120 VOLT, 3 PHASE, 4 WIRE BUS DUCT.
26. LOW VOLTAGE PANELBOARD - 208/120V - BUILDING OR LABORATORY PANEL.
27. SINGLE PHASE, 2 WIRE BRANCH CIRCUIT CONSISTING OF PHASE AND NEUTRAL CONDUCTORS IN A COMMON METALLIC CONDUIT WHICH ALSO SERVES AS THE GROUNDING CONDUCTOR. FOR SPECIAL EQUIPMENT OR CIRCUITS WITH NON-METALLIC OR FLEXIBLE CONDUIT PROVIDE A SEPARATE GROUNDING CONDUCTOR WITHIN THE COMMON CONDUIT. (SEE ITEM 28 - RECEPTACLES)
28. BRANCH CIRCUIT CONSISTING OF PHASE, NEUTRAL AND GROUNDING CONDUCTORS FOR SURFACE RACEWAYS, LAB RECEPTACLES.
29. GREEN INSULATED GROUNDING CONDUCTOR FOR TERMINATION AT MISCELLANEOUS ELECTRICAL CABINETS, HOUSINGS, ETC.
30. BARE NEUTRAL BAR, INSULATED FROM CABINET.
31. LOW VOLTAGE DISTRIBUTION PANEL, 208/120V.
32. CABLE TAP BOX.
33. BREAKER FOR GENERATOR FEEDER.
34. 375 KVA GENERATOR UNIT.
35. THERMOWELD #2/0 BARE COPPER GROUND CONDUCTOR TO BUILDING COLUMN WEB AT LOCATIONS INDICATED ON THE DRAWINGS.
36. BOND #2/0 BARE COPPER GROUND CONDUCTOR TO FENCE.
37. #4/0 BARE COPPER GROUND CONDUCTOR INTERCONNECTING GROUND BUSES OF PROXIMATE UNIT SUBSTATIONS AS INDICATED ON THE DRAWINGS.
38. MOTOR CONTROL CENTER WITH GROUND BUS.
39. MOTOR 3 PHASE BRANCH CIRCUIT CONSISTING OF PHASE AND GROUNDING CONDUCTORS IN A COMMON CONDUIT.
40. 480 VOLT, 3 PHASE, 3 WIRE POWER DISTRIBUTION PANEL.
41. PACKAGE UNIT.
42. WATER SERVICE PIPE.
43. WATER METER.
44. NO. 2/0 MINIMUM GREEN INSULATED CONDUCTOR OR AS REQUIRED FOR COMPLIANCE WITH SPECIFIED TESTS IN SUITABLE CONDUIT. STRIP INSULATION & BRAZE CONDUCTOR AT EACH END OF METALLIC CONDUIT.

ISOLATED GROUNDING SYSTEM SCHEDULE

CONDUIT		WIRES ▲		TERMINATING		PURPOSE
DESIGNATION	SIZE	QUAL	SIZE	LABEL	WIRE LABEL	AT J.B. OR TB #
A	2"	5	#6	1 THRU 8	1 THRU 8	J.B. #5G ●
B	2"	5	#6	9 THRU 16	9,10,11,15,16	TB-1 #1,2,3
C	1½"	5	#6	18 THRU 16	12,13,14,15,16	TB-5 #4,5,6
D	2"	5	#6	17 THRU 24	17,18,19,23,24	TB-3 #7,8,9
E	1½"	5	#6	20 THRU 24	20 THRU 24	TB-3 #10,11,12
F	1½"	6	#6	25 THRU 30	25 THRU 30	J.B. #5G ■

							PURPOSE
F	1½"	6	#6	25 THRU 30	25 THRU 30	J.B. #5G ■	R.F. RM #5E-24A & REC. RMS. #5E-5A,B & 5E-34 B,C

■ FOR EXTENSION FROM J.B. # 5G TO R.F. SHIELDED & RECORDING ROOMS SEE SH. No. EL-19

▲ ALL ISOLATED GROUNDING SYSTEM WIRES SHALL BE GREEN INSULATED.

● FOR EXTENSION FROM J.B. # 3G TO RF. SHIELDED ROOMS SEE SH. No. EL-23

BUS DUCT GROUNDING

BUS DUCT	GRD. COND. SIZE	
	COPPER	ALUMINUM
1,350A.-480V., 3Φ, 3W.	250 MCM.	350 MCM.
600A.-480V., 3Φ, 3W.	#1	#3/0
225A.-208Y/-3Φ, 3W.	#4	#2

ISOLATED GROUNDING SYSTEM RISER DIAGRAM

NO SCALE

NOTES

1. 10" HIGH X 8" WIDE X 4" DEEP OIL TIGHT J.I.C. JUNCTION BOX WITH CONTINUOUS HINGED CLAMP COVER CONTAINING 2-4 POINT 600V. SOLDERLESS BOX LUG TYPE TERMINAL STRIPS. BOX SHALL BE AS MANUFACTURED BY HOFFMAN ENGINEERING CORP. CAT. NO. V10-S-4, KEYSTONE MFG. CO. CAT. NO. A1008 CH OR APPROVED EQUAL. TERMINAL STRIPS SHALL BE AS MANUFACTURED BY GENERAL ELECTRIC CO. CAT. NO. CR151A1006 SQUARE D MFG. CO. CLASS 9080 TYPE D-4 OR APPROVED EQUAL.
2. 12" HIGH X 10" WIDE X 6" DEEP SCREW COVER PULL BOX SUITABLE FOR FLUSH MOUNTING CONTAINING 4-6 POINT 600V. SOLDERLESS BOX LUG TYPE TERMINAL STRIPS. BOX SHALL BE AS MANUFACTURED BY KEYSTONE MFG. CO. TYPE "FC", HOFFMAN ENGINEERING CORP. BULLETIN NO. A-90 OR APPROVED EQUAL. TERMINAL STRIPS SHALL BE AS MANUFACTURED BY SQUARE D MFG. CO. CLASS 9080 TYPE D-6, GENERAL ELECTRIC CO. CAT. NO. CR151A1006 OR APPROVED EQUAL.

NO.	DATE	REVISIONS
	12-6-66	GENERAL CONTRACT-CONSTR.
	9-25-67	PLUMBING WORK EQUIPMENT
	9-25-67	ALL CONTRACTS (3055-SPEC.)

NO.	DATE	REVISIONS
	12-6-66	ISSUED FOR
	10-6-67	BID
	9-25-67	ISSUED FOR

PROJECT DIRECTOR: C. B. McGREW
DESIGNED BY: K.E.
DRAWN BY: K.E.
CHECKED BY: K.E.
DATE: SEP. 25, 1967
APPROVED: Grant Giffels
GRANT RECORDING STAMP
IN CHARGE: K.E.S.M.E.
APPROVED: Grant Giffels
BAL'D

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT - MICHIGAN

GIFFELS & ROSSETTI, INC.
architects
engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES: PUBLIC HEALTH SERVICE MICH. 129-152, RESEARCH FACILITIES AND RESOURCES, NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE, FA-152

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

REVIEW ☐ CONSTRUCTION ☐
FINAL RECORD ☐
ISSUED ☐
ACCOUNT NO. 100-1590-250-026

GROUNDING SYSTEM DIAGRAMS

ARCHITECTS JOB NO. 66-121

SHEET NO. EL-9

B. K. ELLIOTT CO. 301 390 1-67

P A N E L S C H E D U L E S

CHARACTERISTICS: 208/120V, 3Ø, 4W, S/N

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
LP-9N11 (9.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD9B, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	5, 11	SPARES			
	(9)-1P	8, 10, 12-18	SPACES			
LP-9N15 (4.7 KW)	(1)-1P, 20A	1	LIGHTS	BD9B, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A (1)-2P, 20A	2, 4 3, 5	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	6, 7	SPARES			
	(7)-1P	8-12	SPACES			
LP-9N17 (10.7 KW)	(1)-1P, 20A	1	LIGHTS	BD9B, 12-15 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6 8, 10 7, 9	RECP'S.			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(8)-1P	11-18	SPACES			
LP-9N21 (14.3 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD9B, 12-15 (B)	SURFACE; 100A LUGS ONLY	
	(6)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6, 7, 9, 11 10, 12 13, 15	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	5, 14, 18	SPARES			
	(9)-1P	16-24	SPACES			
LP-9N25 (14.9 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD9B, 16-17 (B)	SURFACE; 100A LUGS ONLY	
	(7)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 6-9, 11 10, 12 13, 15	RECP'S.			
			POWER & MISC.			
	(3)-1P, 20A	14, 16, 18	SPARES			
	(7)-1P	17, 19-24	SPACES			
LP-9N27 (14.7 KW)	(2)-1P, 20A	1, 3	LIGHTS	BD9B, 16-17 (B)	SURFACE; 100A LUGS ONLY	
	(8)-1P, 20A (2)-2P, 20A	2, 4, 6, 8, 10, 12, 14, 16 7, 9, 11, 13	RECP'S			
			POWER & MISC.			
	(4)-1P, 20A	5, 15, 17, 18	SPARES			
	(8)-1P	19-24	SPACES			
LP-9N31 (7.7 KW)	(1)-1P, 20A	1	LIGHTS	BD9B, 16-17 (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A	2, 4, 6 7, 9	RECP'S			
			POWER & MISC.			
	(2)-1P, 20A	3, 5	SPARES			
	(4)-1P	8, 10-12	SPACES			
LP-9C19 (10.1 KW)	(2)-1P, 20A	1, 7	LIGHTS	BD 912, B-D (A)	SURFACE; 100A LUGS ONLY	
	(3)-1P, 20A (1)-2P, 20A (1)-2P, 30A	2, 4, 9 8, 10 11, 13	RECP'S			
			POWER & MISC.			
	(3)-1P, 20A	3, 5, 6	SPARES			
	(6)-1P	12, 14-18	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S.	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
BP-P-C12 (21.5 KW)	(17)-1P, 20A	1-13, 15, 17, 19, 21	LIGHTS	C	SURFACE; 225A. LUGS ONLY	* PROVIDE LOCK-OUT DEVICES FOR THESE BREAKERS
	(3)-1P, 20A *	14, 16, 18	RECP'S.			
	(2)-1P, 20A *	20, 22	POWER & MISC.			
	(5)-1P, 20A	23-27	SPARES			
	(5)-1P	28-36	SPACES			
BP-P-C15 (22.0 KW)	(18)-1P, 20A	1-17, 19	LIGHTS	C	SURFACE; 225A. LUGS ONLY	* PROVIDE LOCK-OUT DEVICES FOR THESE BREAKERS
	(2)-1P, 20A *	21, 23	RECP'S.			
	(6)-1P *	18, 20, 22, 24, 26, 28	POWER & MISC.			
	(4)-1P, 20A	25, 27, 29, 30	SPARES			
	(4)-1P	31-38	SPACES			
BP-P-E11 (20.6 KW)	(17)-1P, 20A	1-13, 15, 17, 19, 21	LIGHTS	C	SURFACE; 225A. LUGS ONLY	* PROVIDE LOCK-OUT DEVICES FOR THESE BREAKERS
	(3)-1P, 20A *	14, 16, 18	RECP'S.			
	(2)-1P, 20A *	20, 22	POWER & MISC.			
	(5)-1P, 20A	23-27	SPARES			
	(3)-1P	28-36	SPACES			
BP-P-E15 (25.7 KW)	(20)-1P, 20A	1-12, 19, 21, 23, 25, 27, 14, 16	LIGHTS	C	SURFACE; 225A. LUGS ONLY	* PROVIDE LOCK-OUT DEVICES FOR THESE BREAKERS
	(4)-1P, 20A *	18, 20, 29, 31	RECP'S			
	(3)-1P, 20A *	22, 24, 26	POWER & MISC.			
	(5)-1P, 20A	28, 30, 32, 13, 15	SPARES			
	(10)-1P	33-42	SPACES			
CP-P-D13 (12.0 KW)	(20)-1P, 20A	1-15, 22-24, 26, 28	LIGHTS	C	SURFACE; 225A. LUGS ONLY	
	(4)-1P, 20A	16, 18, 20, 25	RECP'S			
	(3)-1P, 20A	17, 19, 21	POWER & MISC.			
	(3)-1P, 20A	27-30	SPARES			
	(6)-1P	30-36	SPACES			

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS

E M E R G E N C Y L I G H T I N G P A N E L S

PANEL DESIGNATION AND CONN'D LOAD	BRANCH CIRCUIT BREAKERS	BRANCH CIRCUIT CIRCUIT NO'S	LOADS SERVED	CONN'D BUS DUCT (PLUG-IN UNIT & FDR. TYPE)	TYPE OF CAB'T & MAINS	REMARKS
EMLP-1-22 (2.3 KW)	(6)-1P, 20A	1-8	LIGHTS	(C)	SURFACE; 100A LUGS ONLY	
	(1)-1P, 20A	9	SPARES			
	(3)-1P	10-12	SPACES			
EMLP-1-23 (3.3 KW)	(7)-1P, 20A	1-7	LIGHTS	(C)	SURFACE; 100A LUGS ONLY	
	(1)-1P, 20A	8	SPARES			
	(4)-1P	9-12	SPACES			
EMLP-1-92 (9.0 KW)	(7)-1P, 20A	1-7	LIGHTS	(C)	SURFACE; 100A MAIN BREAKER	
	(1)-1P, 20A	8	SPARES			
	(4)-1P	9-12	SPACES			
EMLP-1-107 (9.3 KW)	(5)-1P, 20A	1-9	LIGHTS	(C)	SURFACE; 100A MAIN BREAKER	
	(1)-1P, 20A	10	SPARES			
	(2)-1P	11, 12	SPACES			
EMLP-3-4 (2.1 KW)	(4)-1P, 20A	1-4	LIGHTS	(C)	FLUSH; 100A MAIN BREAKER	
	(1)-1P, 20A	5*	SPARES			
	(7)-1P	6-12	SPACES			
EMLP-3-5 (2.1 KW)	(4)-1P, 20A	1-4	LIGHTS	(C)	FLUSH; 100A MAIN BREAKER	
	(1)-1P, 20A	5*	SPARES			
	(7)-1P	6-12	SPACES			
EMLP-3-24 (3.0 KW)	(7)-1P, 20A	1-7	LIGHTS	(C)	SURFACE; 100 A LUGS ONLY	
	(1)-1P, 20A	8	SPARES			
	(4)-1P	9-12	SPACES			
EMLP-3-33 (3.6 KW)	(10)-1P, 20A	1-9, 11	LIGHTS	(C)	SURFACE; 100A LUGS ONLY	
	(2)-1P, 20A	10, 12	SPARES			
			SPACES			
EMLP-5CA (5.4 KW)	(9)-1P, 20A	1-7, 9, 11	LIGHTS	(C)	SURFACE; 100 A MAIN BREAKER	
	(1)-1P, 20A	8	SPARES			
	(2)-1P	10, 12	SPACES			
EMLP-8CA (4.1 KW)	(9)-1P, 20A	1-7, 9, 11	LIGHTS	(C)	SURFACE; 100A MAIN BREAKER	
	(1)-1P, 20A	8	SPARES			
	(2)-1P	10, 12	SPACES			

S I N G L E P H A S E P A N E L S

(WITH ISOLATED NEUTRALS)

CHARACTERISTICS: 120V, 1Ø, 2W, UNGROUNDED NEUTRAL;
SEE TYP. CIRCUIT ARRANG. DIAGRAM SH. EL-80

LP-G64 (2.4 KW)	(2)-2P, 20A	1, 3	LIGHTS	(C)	FLUSH; 100A LUGS ONLY
	(2)-2P, 20A	2, 4	RECP'S, POWER & MISC.		
	(1)-2P, 20A	5*	SPARES		
	(3)-2P	6-8	SPACES		
LP-5E9 (2.8 KW)	(2)-2P, 20A	1, 3	LIGHTS	(C)	FLUSH; 100A LUGS ONLY
	(3)-2P, 20A	2, 4, 6	RECP'S, POWER & MISC.		
	(1)-2P, 20A	5*	SPARES		
	(2)-2P	7, 8	SPACES		
LP-6W16 (3.0 KW)	(12)-2P, 20A	1, 3	LIGHTS	(C)	SURFACE; 100A LUGS ONLY
	(3)-2P, 20A	2, 4, 6	RECP'S, POWER & MISC.		
	(1)-2P, 20A	5*	SPARES		
	(2)-2P	7, 8	SPACES		

NO.	REVISIONS	DATE	BY	APP'D
	ISSUED FOR			
	REVISIONS			
1	ADD'S PAG. NO.	12-1-67	K.E.	
	PLUMBING WORK CONTRACT 3-30-30 & SPEC. REVISED BIDS-AUDS	12-4-67		
	ALL CONTRACTS-BIDS-SPECS	12-20-67		
	ALL CONTRACTS-BIDS-SPECS	3-22-67		

PROJECT DIRECTOR IN CHARGE: K. ESHE
DESIGNED BY: C. B. McGREW
DRAWN BY: B. GARG
CHECKED BY: K. E.
DATE: SEP. 25, 1967
APPROVED: K. E.
DIRECTOR - OFFICE OF CAPITAL PROGRAMS

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers MICHIGAN
DETROIT

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

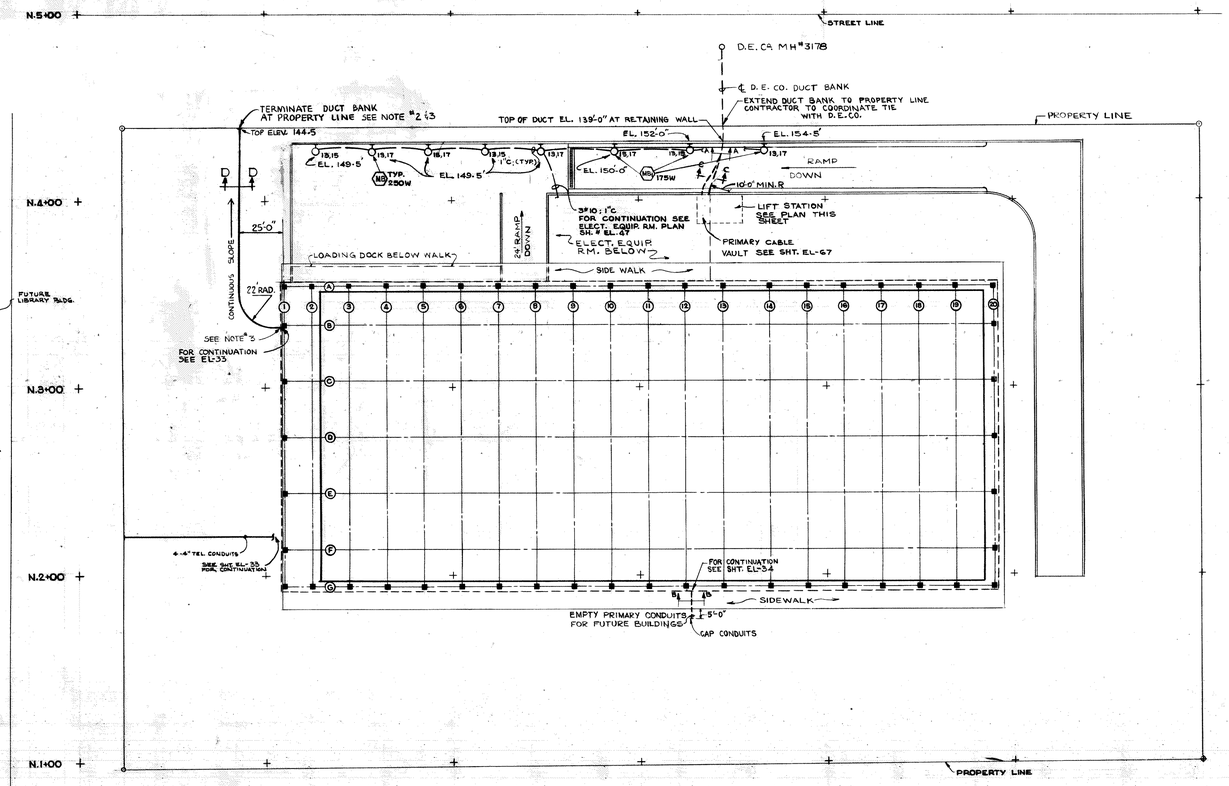
DIVISION OF HOSPITAL AND MEDICAL FACILITIES
SERVICE MICH. 129-152 RESEARCH FACILITIES AND RESOURCES
NATIONAL INSTITUTE OF HEALTH: PUBLIC HEALTH SERVICE: FR 152

STATE OF MICHIGAN
BUREAU OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

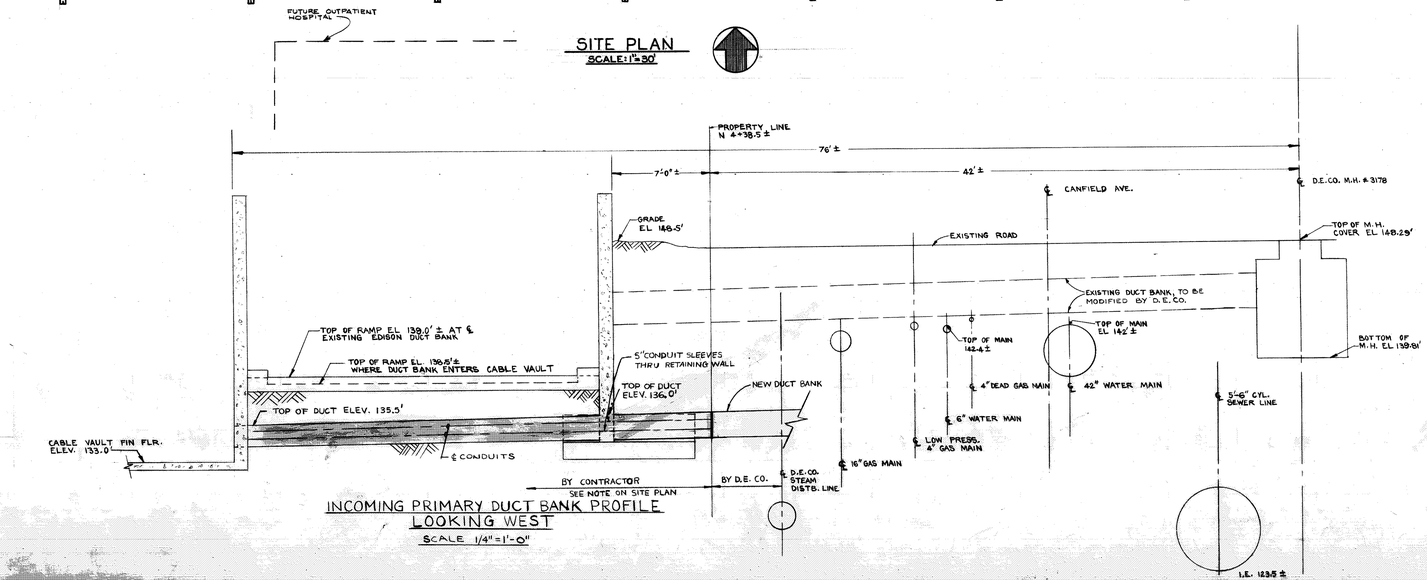
REVIEW ☐ CONSTRUCTION ☐ FINAL RECORD ☐
ISSUED
ACCOUNT NO. 100-1590-250-026
SHEET TITLE: PANEL SCHEDULES

ARCHITECTS JOB NO.: 66-121
SHEET NO.: EL-90

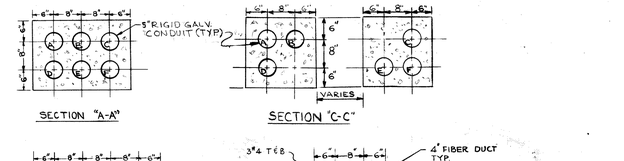
B.K. ELLIOTT CO. 301 786 1-67

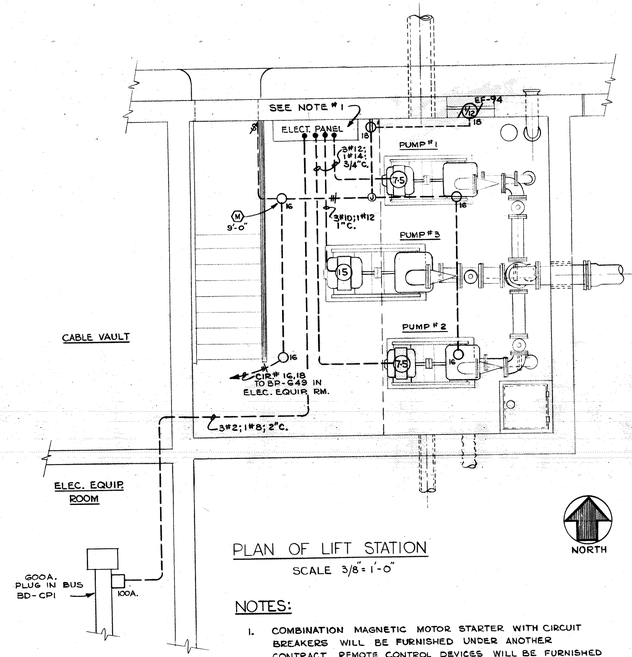


SITE PLAN
SCALE: 1"=50'



INCOMING PRIMARY DUCT BANK PROFILE
LOOKING WEST
SCALE 1/4"=1'-0"





PLAN OF LIFT STATION
SCALE 3/8" = 1'-0"

NOTES:

1. COMBINATION MAGNETIC MOTOR STARTER WITH CIRCUIT BREAKERS WILL BE FURNISHED UNDER ANOTHER CONTRACT. REMOTE CONTROL DEVICES WILL BE FURNISHED & INSTALLED UNDER ANOTHER CONTRACT. THIS CONTRACTOR SHALL INSTALL MOTOR STARTERS & FURNISH & INSTALL POWER & CONTROL WIRING ACCORDING TO MANUFACTURER'S WIRING DIAGRAMS.
2. STUB & CAP CONDUITS 2'-0" BEYOND DUCT BANK TERMINATION.
3. PROVIDE STEEL CONDUIT (10'-0" LONG) & ADAPTERS AS REQUIRED FOR UNDERGROUND DUCT TERMINATION.

E.1+00 E.2+00 E.3+00 E.4+00 E.5+00 E.6+00 E.7+00

N.5+00

CANFIELD AVENUE 60' WIDE

STREET 60' WIDE

BRUSH

CONTRACT LIMITS

EXISTING CONC. SIDEWALK

TOP OF RETAINING WALL E 155.38

FOR DETAILS OF RAMP-SEE CE-8

FOR DETAILS OF RETAINING WALL SEE STRUCTURAL SHEET S-15.

LINE ABOVE IS 2'-2"±3.30 OVERHANG OF CATCH BASIN

FACE OF LOADING DOCK E.2+16.50

3/4" YOLLOV CONDUIT 2#8 & 1#8 GRND.

3/4" YOLLOV CONDUIT 3#8 & 1#8 GRND.

24" WD RAMP E 3+35.00 SLOPE @ 7.5%

ELECTRICAL SUB-STATION

SEE DETAIL 2

LIFT STA.

EXIST. 2" SLEEVES

TOP OF RETAINING WALL E 155.08

HINGE DIRECTION TYP.

EDGE OF CONC. WALK E 0.0

LIFT TO SIGN

EXIST. C.B.

1ST. FL.

SEE DETAIL 1

LOADING DOCK

SECTION A SCALE 1/8"=1'-0"

TWIN ARM 2-175 WATT MERCURY FIXTURE TYPE "MD" TYPICAL.

SECTION B SCALE 1/8"=1'-0"

EXISTING MEDICAL RESEARCH BUILDING

NOTE
TWIN ARM 2-175 WATT MERCURY FIXTURE TYPE "MD1"

NOTE
COLUMN LINE "A" E 0+18.6
COLUMN LINE "1" E 1+30.0
COLUMN LINE "20" E 1+46.6

NOTE
RUN CONDUIT ABOVE CORRIDOR CEILING

NOTE
USE STEEL CONDUIT UNDER ROAD

SLOPE @ 1%

2-NEW 4" DUCTS W/PRI. RISERS

MANHOLE TO SHIFFMAN LIBRARY

EXISTING SLEEVES

EDGE OF CONC. WALK

1#4 C. 3"Ø I"Ø GND. RUN EXPOSED AT GROUND FLOOR.

MECH. RM. G-24

TIME SWITCH

BP-G-24

CIRC. 3,7,11,15,19 & 21

MECH. EQUIP. RM. G-85

BP-G-85

EXISTING 2-2" Ø SLEEVES EXTEND AS SHOWN

RUN CONDUIT THROUGH GRND. FL. WALL & SEAL AROUND CONDUITS

2#4 C. 3"Ø I"Ø GND.

1#4 C. 3"Ø I"Ø GND.

2#4 C. 4"Ø I"Ø

3/4"C. 3"Ø I"Ø EXT.

STATUE

EDGE OF 10' CONC. WALK E 5+84.00

NOTE
B,C - UP TO SIGN
CONDUIT SHALL BE 3'-0" MINIMUM BELOW FIN. GRADE. CONTRACTOR SHALL COORDINATE FOR NO CONFLICT WITH EXISTING UNDERGROUND UTILITIES AS REQUIRED.

SEE DETAIL 2

ST. SIGN (REMOVE)

END OF 8' CONC. WALK E 0.0+86.00

WILLIS AVENUE 50' WIDE R.O.W. (VACATED)

20" ELM TREE TO BE REMOVED

10" PEAR TREE TO BE REMOVED

2" EMPTY STEEL CONDUIT FOR FUTURE PARKING LOT

24" ELM TREE

30" ELM TREE TO REMAIN

CURB CUT - RAMP/SIDEWALK TO MATCH

EXIST. RAMP DOWN

EXISTING 6'-0" CONC. SIDEWALK

SEE MATCH LINE BELOW

N.1+00

TOP OF BANK N.0+57.5 (MAX 1:2 SLOPE)

CONTRACT LIMITS

TERMINATE 3'-0" BELOW FINISHED GRADE ELEVATION AND CAP. TYP.

N.0+49.62 E.7+00.00

EXISTING RETAINING WALL

REMOVE EXIST. WALK

N.0+00

E.7+00

MATCH EXIST. GRADE

CONTRACT LIMITS

SCALE: 1"=20'-0"

LIGHTING PLAN

SCALE 1"=20'-0"

SYMBOLS

- ○ OUT DOOR INCANDESCENT FIXTURE TYPE "V"
- AB ○—| OUT DOOR MERCURY FIXTURE TYPE "MC" 208 V. WIRE TO PHASES NOTED.
- AB ○+○ OUT DOOR MERCURY FIXTURE TYPE "MD" 208 V. (UNLESS NOTED OTHERWISE) WIRE TO PHASES NOTED.
- ---- 1" PLASTIC PVC CONDUIT WITH COPPER WIRE 3#8 & 1#8 GROUND. UNLESS OTHERWISE NOTED. RUN 3'-0" BELOW FINISHED GRADE.
- [1] 1" PLASTIC CONDUIT - PVC WITH 2#8 & 1#8 GROUND.
- 1" STEEL CONDUIT ELBOW RUN 3'-0" BEYOND POLE BASE & CAP.
- [T] 40A. 3P. 4W. 120/208V. TIME SW. WITH ASTRONOMICAL DIAL. DIAL UNIT SHALL BE TORK, SANGAMO, GE, OR APP. EQUAL.

NOTES

1. CONTRACTOR SHALL CO-ORDINATE INSTALLATION AND UNIFORM MOUNTING HEIGHTS AS NOTED WITH LIGHT FIXTURE MANUFACTURER AS REQUIRED.
2. CONTRACTOR SHALL PROVIDE (INSTALL A 3P. 40A. CIRCUIT BREAKER IN PANELS — BP-G-24, BP-G-76 & 3P. 50A CIRC. BKR. IN PNL. BP-G85
3. TERMINATE SIGN CONDUITS AT LOCATIONS INDICATED WITH 5' EXTRA CONDUIT & COIL 5' OF EXTRA WIRE. SIGN INSTALLATION BY OWNER.

GENERAL NOTES

- TYPE MC
- EAST LINE
- ELEVATIONS SHOWN ON SITE PLAN ARE
- STREET, LOCATED
- SIDE OF CURB

DETAIL 1

NO SCALE

4" LIGHT SHAFT
FIXTURE TYPE (MD1)
TRENCH
SECURE SHAFT TO STRUCTURE WITH ANCHOR BOLTS AS REQUIRED. PROVIDE WALL-SPACERS FOR LEVELING AS REQUIRED.
ENTER CONDUIT & WIRE NEAR BOTTOM OF SHAFT

SECTION C

NO SCALE

12'-0" TYPICAL
1'-6" TYP.
WALK

TYPICAL BASE

UNLESS NOTED OTHERWISE NO SCALE

HINGE-O-MATIC BASE
GRADE
4" SHAFT
CONCRETE WALK
CONDUITS AS REQUIRED.
4-5/8 DIA x 3'-0" ANCHOR BOLTS
STEEL CONDUIT SIZE AS NOTED
ADAPTER
PLASTIC COND. SIZE AS NOTED.
5" MIN.
2'-0" MIN.

DETAIL 2

NO SCALE

11'-0" TO ℄ OF STATUE
300 WATT. INCAND. FIX. TYPE V
50°
FIN. GRADE
3"
GRAVEL
COND AS REQ.

DETAIL 2

NO SCALE

4" LIGHT SHAFT
HINGE-O-MATIC BASE
GRADE ELEV. 151.5
2-#3 TIES AROUND Δ BS
4'-0" BASE
SEA WAY
ELEV. 149.5
ELEC. RM. CEILING
NOTE
DO NOT DESTROY WATER PROOF MEMBRANE

DETAIL 2

NO SCALE

BASIC INSTRUCTION FACILITY
WAYNE STATE UNIVERSITY - MEDICAL CAMPUS
DETROIT MICHIGAN

GIFFELS & ROSSETTI, INC.
architects engineers
MICHIGAN

DIVISION OF HOSPITAL AND MEDICAL FACILITIES, PUBLIC HEALTH SERVICE MICH. 129-12 RESEARCH FACILITIES, AND NATIONAL INSTITUTE OF HEALTH PUBLIC HEALTH SERVICE PH-52

JOHN WILLIAMS AND ASSOCIATES
ARCHITECTS-MEDICAL FACILITIES PLANNERS
CLEVELAND OHIO

STATE OF MICHIGAN
DEPARTMENT OF THE BUDGET
BUILDING DIVISION
ADRIAN N. LANGIUS, DIRECTOR

ACCOUNT NO. 100-1590-250-026
ISSUED
REVIEW
CONSTRUCTION
FINAL RECORD

SHEET TITLE: SITE LIGHTING PLAN

ARCHITECTS JOB NO. 66-121

SHEET NO. ES-2

PROJECT DIRECTOR C.B. MCGREW
DESIGNED BY J.E. MCFALL
DRAWN BY D.T. PANESSE
APPROVED BY J.E. MCFALL
DATE APRIL 21, 1971

CONTRACT CONSTR. 5-24-71 G.L.
REVISIONS DATE BY REL. NO.
ISSUED FOR DATE

REVISIONS DATE ISSUED FOR

E-CE-7 SUBSTRUCTURE CONSTR. 5-24-71 G.L.
DRAWING NO. DESCRIPTION DATE ISSUED FOR

GENERAL OFFICE OF CAPITAL PROGRAMS

NUMBER OF PAIRS REFER TO 22 GA. W.G.

ZONE 1 | ZONE 3 | ZONE 2 | PULL BOX | SMOKE DETECTOR | SPRINKLER SYSTEM | ZONES

1 2 3 4 5 6 7 8 | 9 10 11 12 13 14 15 16 17 | 18 19 20 | 21 22 23 24 25

PHASATROL PTC-1

9VM 5337

PHASATROL PTC-1

9VM 5338

DORMEYER 4X746

DORMEYER 4X746

LED

LED

10-17 V AC

MT-100

MT-100

MT-100

MT-100

MT-100

9VM 5337

9VM 5338

9VM 5335

9VM 5336

9CS 13083

BELL TELEPHONE LINES

9VM 5337

9VM 5338

9VM 5335

9VM 5336

9CS 13083

STANDARD SPS-120-24 POWER SUPPLY 24 V DC

NOTE
UNIVERSAL SENTRY SYSTEM
UNLESS OTHER WISE SPECIFIED

ELECTRONIC SECURITY SYSTEMS
13537 GRATIOT AVE. DETROIT
SCOTT HALL WAYNE STATE
DWN BY: P.M. CHKD BY: P.M.
SECURITY SYSTEM