

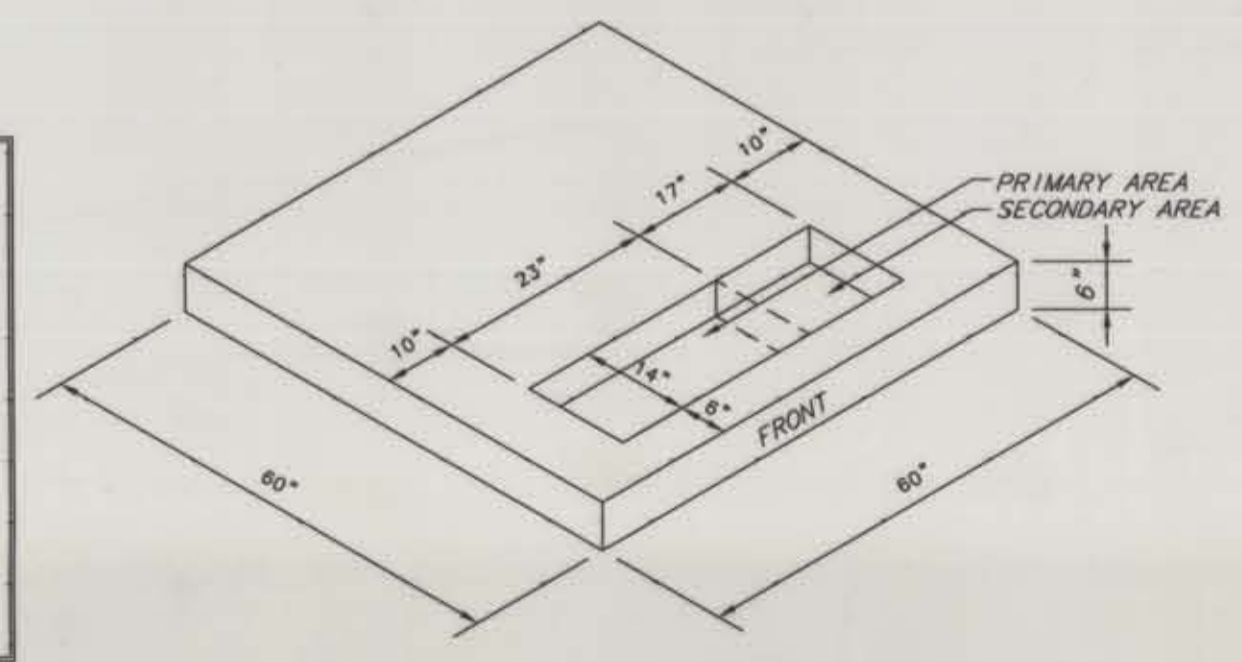
NAME : MDP		PANEL SCHEDULE										ROOM NO. :	
BRKR	DESCRIPTION	VOLT AMP	L O C NO.	CIR NO.	A	B	C	CIR NO.	L O C NO.	VOLT AMP	DESCRIPTION	BRKR	AMP
800	EXISTING MAIN PANEL		1					2			MAND M2	225	3
250	CONDENSER		3					4			SPACE		3
125	ELEVATOR		5					6			SPACE		3
3	SPACE		7					8			SPACE		3
			9					10					
			11					12					
			13					14					
			15					16					
			17					18					
			19					20					
			21					22					
			23					24					

PHASE TOTALS
AVE. 0 0 0
% UNBALANCE Error 1 Error 1 Error 1

NAME : M1		PANEL SCHEDULE										ROOM NO. :	
BRKR	DESCRIPTION	VOLT AMP	L O C NO.	CIR NO.	A	B	C	CIR NO.	L O C NO.	VOLT AMP	DESCRIPTION	BRKR	AMP
15	CP 1	720	1	1920				2	1200		FCU'S	20	1
		720	3		1920			4	1200		FCU'S	20	1
		720	5			1720		6	1000		NORTH HP OUTLET	20	1
20	CP 2	1320	7	2520				8	1200		FCU'S	20	1
		1320	9		2520			10	1200		FCU'S	20	1
		1320	11			2520		12	1200		FCU'S	20	1
20	CP 3	1320	13	2520				14	1200		FCU'S	20	1
		1320	15		2520			16	1200		FCU'S	20	1
		1320	17			2520		18	1200		FCU'S	20	1
20	CP 4	1320	19	2520				20	1200		FCU'S	20	1
		1320	21		2520			22	1200		FCU'S	20	1
		1320	23			2520		24	1200		FCU'S	20	1
15	AHU 1	720	25	1920				26	1200		FCU'S	20	1
		720	27		1920			28	1200		FCU'S	20	1
		720	29			1920		30	1200		FCU'S	20	1
20	EF 4	720	31	1920				32	1200		FCU'S	20	1
		720	33		1920			34	1200		FCU'S	20	1
		720	35			1920		36	1200		FCU'S	20	1
		720	37	900				38	180		CRAWL SPACE RECPT.	20	1
		720	39		960			40	240		CRAWL SPACE LIGHT	20	1
		720	41			1220		42	500		TC PANEL	20	1

PHASE TOTALS
AVE. 14220 14280 14340
% UNBALANCE 0.42 0.00 0.42

NOTES:
1. BLOCK OUT PRIMARY AND SECONDARY AREA AS SHOWN.
2. PRIMARY AREA TO CONTAIN 1 90° SWEEP ELBOW AND 8 FT. GROUND ROD.
3. SECONDARY AREA TO CONTAIN CONDUITS AS REQ'D AND METERING CONDUIT. PAD TO BE REINFORCED, LEVEL AND AT LEAST 6 IN. THICK.
4. THIS IS TO BE USED AS A GENERAL GUIDE LINE ONLY. VERIFY COMPATIBILITY W/ ACTUAL TRANSFORMER SUPPLIED & ADJUST THE DIMENSIONS AS REQUIRED.



TRANSFORMER PAD DETAIL
NTS

NAME : M2		PANEL SCHEDULE										ROOM NO. :	
BRKR	DESCRIPTION	VOLT AMP	L O C NO.	CIR NO.	A	B	C	CIR NO.	L O C NO.	VOLT AMP	DESCRIPTION	BRKR	AMP
20	TTB1		1	1750				2	1750		ELECTRIC DRYERS	20	1
20	TTB2		3		1750			4	1750		ELECTRIC DRYERS	20	1
20	TTB3		5				1750	6	1750		ELECTRIC DRYERS	20	1
20	POWER DOORS		7	1750				8	1750		ELECTRIC DRYERS	20	1
20	POWER DOORS		9		1750			10	1750		ELECTRIC DRYERS	20	1
20	CHILLER HEAT TAPE		11				1750	12	1750		ELECTRIC DRYERS	20	1
20	RCP 300		13					14			SPACE		3
20	RCP 300		15					16			SPACE		3
20	RCP 301		17					18			SPACE		3
3	SPACE		19					20			SPACE		3
			21					22					
			23					24					
3	SPACE		25					26			SPACE		3
			27					28					
			29					30					

PHASE TOTALS
AVE. 3500 3500 3500
% UNBALANCE 0.00 0.00 0.00

ELECTRICAL LEGEND

Panel symbols and descriptions:

- HOME RUN TO PANEL, NO. OF ARROWS INDICATES NO. OF CIRCUITS.
- NO. OF HASH MARKS INDICATES NO. OF CONDUCTORS IN CONDUIT. NO HASH MARKS INDICATES TWO CONDUCTORS-GROUND CONDUCTORS ARE NOT INCLUDED IN WIRE COUNT.
- CONDUIT, CONCEALED IN CEILING OR WALL
- CONDUIT, CONCEALED IN/OR UNDER FLOOR
- CONDUIT EXPOSED
- PLUGMOLD
- FLEX CONDUIT
- SPECIAL CABINETS
- MOTOR STARTER
- COMB. MOTOR STARTER-DISCONNECT
- LIGHT FIXTURE, FLUORESCENT
- LIGHT FIXTURE, H.I.D.
- LIGHT FIXTURE, INCANDESCENT
- LIGHT FIXTURE, STRIP
- EXIT SIGN
- LIGHT FIXTURE EQUIPPED W/ EMERGENCY BATTERY PACK
- LIGHT FIXTURES, WALL MOUNTED
- SWITCH
- SWITCH, DOUBLE POLE
- SWITCH, 3-WAY
- SWITCH, 4-WAY
- SWITCH, DOOR
- SWITCH, KEY OPERATED
- SWITCH, MOTOR STARTER
- SWITCH, WITH PILOT LIGHT
- SWITCH, DIMMER
- SWITCH, LOW VOLTAGE
- SWITCH, TIMER
- OUTLET, SIMPLEX
- OUTLET, DUPLEX
- OUTLET, COMBINATION
- OUTLET, DOUBLE DUPLEX
- OUTLET, ON EM POWER
- OUTLET, POWER
- OUTLET, DRYER
- OUTLET, RANGE
- OUTLET, DUPLEX SWITCHED
- OUTLET, MOTOR
- OUTLET, THERMOSTAT
- OUTLET, SPECIAL PURPOSE
- OUTLET, FLOOR, POWER
- OUTLET, FLOOR, TELEPHONE
- OUTLET, SPEAKER
- OUTLET, JUNCTION BOX
- OUTLET, T.V.
- OUTLET, MICROPHONE
- PHOTO CELL
- OCCUPANCY SENSOR
- PRIVACY CALL SWITCH
- CLOCK
- AREA OF RESCUE MASTER INTERCOM STATION
- AREA OF RESCUE INTERCOM STATION
- TIME CLOCK
- PUSH BUTTON
- BUZZER
- DRY TYPE TRANSFORMER
- BELL
- FIRE ALARM BREAKGLASS STATION
- FIRE ALARM VISUAL SIGNAL
- FIRE ALARM AUDIO/VISUAL SIGNAL
- FIRE ALARM AUDIO SIGNAL
- SMOKE DETECTOR
- HEAT DETECTOR
- DUCT DETECTOR
- MAGNETIC DOOR HOLDER
- OUTLET, COMBINATION TELEPHONE/DATA
- EMERGENCY
- EXPLOSION PROOF
- WEATHERPROOF
- GROUND FAULT INTERRUPTER

HEX NOTES:

- 1. CONNECT NEW FIXTURES TO EXISTING SWITCHED LIGHTING CIRCUIT IN ROOM.
- 2. EXISTING PANEL B. THERE ARE 3 EXISTING 20A/1P SPARES. REMOVE 1-20A/2P AND 1-30A/2P BREAKERS WHICH FED REMOVED LOADS. INSTALL 4-20A/1P BREAKERS IN SPACES VACATED. 7-20A/1P BREAKERS WILL BE AVAILABLE.
- 3. EXTEND TO EXISTING CIRCUIT. VERIFY ADEQUATE AMPACITY.
- 4. EXISTING PANEL A. THERE ARE 7 EXISTING 20A/1P SPARES. CONNECT NEW CIRCUITS AS REQUIRED.
- 5. EXISTING PANEL P. REMOVE 50A/3P SPARE AND 15A/1P SPARE. INSTALL 4-20A/1P BREAKERS.
- 6. EXISTING 3RD FLOOR PANEL D HAS 7-20A/1P SPACES. ALSO ADD 20A/1P IN EXISTING SPACE. REMOVE 30A/2P AND INSTALL 2-20A/1P SPARES. 10-20A/1P BREAKERS EXIST FOR USE.
- 7. EXISTING 2ND FLOOR PANEL C HAS 8-20A/1P SPARES. INSTALL 20A/1P BREAKER IN EXISTING SPACE. REMOVE 30A/2P BREAKER AND REPLACE W/2-20A/1P BREAKERS. 9-20A/1P BREAKERS ARE AVAILABLE FOR USE.
- 8. CIRCUITING IN REMODELED SPACES. DEVICES SHOWN IN WALLS WHICH ARE FURRED OUT ARE TO BE RECESSED. CONCEAL CIRCUITS WHEREVER POSSIBLE IN NEW FURRED WALLS, ACCESSIBLE CEILINGS, ETC. WIRING OR DEVICES ON EXISTING MASONRY WALLS TO BE IN METALLIC SURFACE RACEWAY AND BOXES, UNLESS SPECIFICALLY NOTED OTHERWISE. COORDINATE RACEWAY ROUTING WITH EXISTING CONCRETE BEAMS. COORDINATE SURFACE RACEWAY ROUTING WITH ARCHITECT AND ENGINEER.
- 9. ROUTE TO EXISTING 20A/1P CIRCUIT WHICH FED REMOVED LIGHTING IN THIS AREA. VERIFY CAPACITY PRIOR TO CONNECTION.
- 10. CONNECT MOTION SENSOR AND POWER PACK PER MANUFACTURER'S RECOMMENDATIONS. SEE SPECIFICATION. CONNECT MOTION SENSOR UP STREAM FROM SWITCHES TO DISABLE ENTIRE CIRCUIT IF ROOM IS UNOCCUPIED.
- 11. CONNECT TO EXISTING ROOM LIGHTING CIRCUIT. REPLACE SWITCHES WITH NEW 3-WAY OR 4-WAY SWITCHES AS INDICATED. CONNECT AS REQUIRED. EXISTING CONDUIT MAY BE REUSED WHEREVER POSSIBLE.
- 12. CONNECT AS REQUIRED TO EXISTING SWITCHED CIRCUIT.
- 13. CONNECT TO EXISTING SWITCHED CIRCUIT IN LOCATION OF REMOVED FIXTURE.
- 14. STAIR TOWER. CONNECT NEW FIXTURE TO EXISTING CEILING BOX IN LOCATION OF REMOVED FIXTURE. SWITCHING TO REMAIN IDENTICAL TO EXISTING. INTERCEPT EXISTING CIRCUIT ON FIRST FLOOR LEVEL AND PULL ADDITIONAL HOT (UNSWITCHED) CONDUCTOR THROUGH EXISTING CONDUIT TO PROVIDE HOT, NEUTRAL, AND SWITCHED CONDUCTORS TO BATTERY BALLASTS. CONTRACTOR OPTION TO PULL IN ONE ADDITIONAL CONDUCTOR OR PULL OUT EXISTING AND REPLACE (WITH ADDITIONAL HOT).
- 15. NOT USED.
- 16. VERIFY ELEVATOR EQUIPMENT LOCATIONS WITH SUPPLIER.
- 17. CIRCUIT CORRIDOR LIGHTING IN WIREMOLD OVER BEAMS. WRAP BEAM AND PAINT TO MATCH BEAM.
- 18. INSTALL NEW DEVICE - CONNECT TO EXISTING CIRCUIT.
- 19. TV OUTLET TO BE 4"x4" BOX WITH BANK COVER PLATE AT +72". STUB 3/4" CONDUIT TO TUNNEL BELOW.
- 20. CORRIDOR LIGHTING CIRCUITS. ALL CONDUCTORS (PHASE, NEUTRAL, SWITCH LEGS) TO BE #10 AWG. CONDUIT TO BE 3/4". (WIREMOLD TO HAVE EQUIVALENT CAPACITY AS 3/4" C).
- 21. EXISTING RECESSED PANELS IN MASONRY WALLS. NEW CIRCUITS OUT OF THESE EXISTING PANELS TO BE CONCEALED. CUT AND PATCH EXISTING WALLS AS REQUIRED TO CONCEAL CIRCUITS.
- 22. ROUTE 2" E.C. INTO ELECTRICAL ROOM FOR FUTURE USE.
- 23. FLOOR BOX. STEEL CITY 642 TWO GANG. INSTALL DUPLEX RECEPTACLE AND RESERVE SPACE FOR FUTURE DATA OUTLET. INCLUDE POLISHED BRASS COVER PLATE (DUPLEX LIFT LIDS AND 1" N.P.S. PLUG).
- 24. PROVIDE TWO CONTACT TYPE SMOKE DETECTORS. SIMPLEX 2098 SERIES PHOTOELECTRIC TYPE. PROVIDE MAGNETIC DOOR HOLDERS - SIMPLEX SERIES 208B-WALL MOUNTED. ROUTE SMOKE DETECTOR CIRCUITING TO ELEVATOR CONTROL PANEL FOR USE BY ELEVATOR CONTRACTOR (ELEVATOR CAPTURE, RECALL, AND FIRE SERVICE). USE SECOND SMOKE DETECTOR CONTACT TO CONTROL MAGNETICALLY HELD DOOR. PROVIDE POWER SUPPLIES AND OTHER DEVICES AS REQUIRED. PROVIDE ALL CIRCUITING AS REQUIRED. ALL CIRCUITING IN CONDUIT. CONNECT AND CIRCUIT DEVICES AS REQUIRED TO PROVIDE A COMPLETE AND FULLY FUNCTIONING SYSTEM.
- 25. ELBOWS IN 2" TELEPHONE CONDUIT RUNS TO BE GENTLE SWEEPS TO FACILITATE FUTURE FIBER OPTIC CABLE INSTALLATION.
- 26. INSTALL SIMPLEX AND/OR DUPLEX OUTLETS FOR TTB'S AT +72" - AT TOP OF TTB.
- 27. INSTALL DUCT MOUNTED SMOKE DETECTORS IN SUPPLY AND RETURN DUCTS OF AHU (PER UMC). CIRCUIT AS REQUIRED FOR SHUTDOWN OF EQUIPMENT AS REQUIRED BY UMC. COORDINATE WITH TEMP CONTROL AND MECHANICAL CONTRACTORS FOR REQUIREMENTS. DUCT DETECTOR TO BE SIMPLEX 2098 SERIES. INCLUDE DETECTOR HEAD, HOUSING, SAMPLING TUBE, REMOTE TEST STATION, AUXILIARY RELAYS, AND ALL OTHER REQUIRED COMPONENTS. CIRCUIT, POWER, AND CONNECT AS REQUIRED FOR PROPER OPERATION.
- 28. PROVIDE HEAT TAPE FOR CHILLER PIPING. PIPE IS 3" METAL. PROVIDE HEAT TAPE FOR ENTIRE LENGTH OF PIPING OUTDOORS (VERIFY LENGTH WITH MECHANICAL CONTRACTOR). HEAT TAPE TO BE RAY CHEM TYPE BXL1 (120V). 8W/FT. SELF REGULATING. PROVIDE POWER CONNECTION KIT AND OTHER ACCESSORIES AS REQUIRED. PROVIDE AMBIENT SENSING THERMOSTAT (SET AT 40° F) TO DIRECTLY CONTROL HEAT TAPE.
- 29. ALL CIRCUITING AND CONDUIT RUNS ARE TO BE CONCEALED UNLESS SPECIFICALLY NOTED OTHERWISE.