

		MOTOR	TS	STARTER	2	SCHEDULE	JULE	,		
		1	EED	NEMA		AUXILIARY	AUXILIARY CONTACTS	ROOM	CON	CONTROL .
MARK.	RK.	ITEM	SF	SIZE	ΗP	N. O.	N.O. N.C.	NUMBER	ENCL.	ENCL. REMOTE
MSH-5	·5	ROOF EXHAUST FAN	ь	0	3/4	1	-	HIGH SCHOOL BOILER ROOM	യ	w
MSM-1		TEMPERATURE CONTROL AIR COMPRESSOR	j	0	1	Į.		BUS MAINTENANCE BOTLER ROOM	1	1
MSM-2	ż	HEATING SYSTEM PUMP	—	0 .	1	1	·	BUS MAINTENANCE BOILER ROOM	SA	
MSM-3		HYDRAULIC LIFT	1	1	5	1	_	BUS MAINTENANCE REPAIR	ຜ	1
MSM-4	.4	HYDRAULIC LIFT (ALTERNATE BID #6)	1	1	5	1	ı	BUS MAINTENANCE REPAIR	Ø	ı

FLUORESCENT

FIXTURE

SCHEDULE

ELECTRICAL

SYMBOL

SCHEDULE

E (EMERGENCY/WALK THRU/SECURITY) F-3 INDICATES FIXTOR
OR LIGHT FIXTURE K-3 INDICATES FIXTURE TYPE
OR LIGHT FIXTURE (EMERGENCY/WALK THRU/SECURITY) K-3

- ARROW INDICATES FACE WITH DIRECTIONAL ARROW

DIRECTIONAL

All motor starters shall be 3-pole combination type All motor starters shall have 208/120 volt control control circuit fuses.

All motor starters shall have 120 volt coil and 20 volt momentary contact pushbutton:

P = On-Off; P2 = H1-Low; T = Test Button; T2 - Hi-po2 - Hi-Low-Off;
120 volt maintained contact selector switch:

120 volt maintained contact selector switch:

P11ot lights shall be furnished with all remote contact shall remote contact selectors.

Hi-Low Test Button;

208 volt contacts.

Hand-Off-Automatic control units.

type with NEMA 1 enclosure.

Furnish NEMA I enclosure unless otherwise no Furnish fuse protection for coil circuit. 120 volt coil.
Electrically held.
Mechanically held.
Contacts - normally open.
Contacts - normally closed.
Provide hand-off-automatic selector switch i

lL3-1, 2

1L3-4 (PHOTO-CELL)

1,2,3,4

CIRCUIT

TYPE MANUFACTURER'S K-1 HOLOPHANE 92 K-2 HOLOPHANE 92	WESTINGHOUSE	F-4 MILLER X	F-3 WESTING	F-2 GUTH	F-1 WEST	TYPE MA
MANUFACTURER'S HOLOPHANE 92			WESTING	GUTH	WEST	X.
INCANDESCENT S CATALOG NUMBER 920-120	J240AF-X4-68B	XS-2130-04MR UL/DL	WESTINGHOUSE JH240SS14-6251	FS1-X414F-1AGE1	WESTINGHOUSE SF2-SG-4424-6251	MANUFACTURER'S CATALOG NUMBER
FIXTURE MOUNT PENDANT	SURFACE	SURFACE	SURFACE	RECESS	RECESS	MOUNT
SCHEDULE LAMPS REI 1/400 MERG 1/250 MERG	2/40	2/40	2/40	1/40	4/40	LAMPS
MARKS URY VAPOR	14" WIDE FIXTURE FRAMED HOLOPHANE 6251B LENS INSTALLED BY OTHERS SEE SPECIFICATIONS WITH 30° x 30° METAL LOUVERS	DIFFUSE LENS STAINLESS STEEL TRIM INSTALLED BY OTHERS SEE SPECIFICATIONS	FRAMED HOLOPHANE 6251B LENS INSTALLED BY OTHERS SEE SPECIFICATIONS		FLANGELESS CHASSIS FRAMED HOLOPHANE 6251B LENS	REMARKS

G NUMBER	MOUNT	LAMPS	REMARKS		SYMBOL	DESCRIPTION
6251	RECESS	4/40	FRAMED HOLOPHANE 6251B LENS		ZE::33	FLUORESCENT LIGHT FIXTURE (EMERGENCY/WALK THRU/SECURITY)
	RECESS	1/40			₩-3	INCANDESCENT/MERCURY VAPOR LIGHT FIXTURE K-3 INDICATES FI
51	SURFACE	2/40	FRAMED HOLOPHANE 6251B LENS INSTALLED BY OTHERS SEE SPECIFICATIONS		1 ∕⊘к-3	INCANDESCENT/MERCURY VAPOR LIGHT FIXTURE (EMERGENCY/WALK INDICATES FIXTURE TYPE
DI.	SURFACE	2/40	DIFFUSE LENS		\otimes	EXIT LIGHT FIXTURE - CEILING MOUNTED - BAR INDICATES
			STAINLESS STEEL TRIM INSTALLED BY OTHERS SEE SPECIFICATIONS		<u></u>	EXIT LIGHT FIXTURE - CEILING MOUNTED - ARROW INDICATES EXIT LIGHT FIXTURE - WALL MOUNTED - BAR INDICATES FACE
8B	SURFACE	2/40	14" WIDE FIXTURE FRAMED HOLOPHANE 6251B LENS INSTALLED BY OTHERS SEE SPECIFICATIONS		\$ \$	LIGHT FIXTURE - PERE RATED 120/2
	PENDANT	2/40	WITH 30° x 30° METAL LOUVERS CHAIN PENDENT MOUNTED		\$2 \$3	20 AMPERE RATED 120/277 VOLT THREE WAY SWITCH 20 AMPERE RATED 120/277 VOLT THREE WAY SWITCH
					\$4	
					¥ 54	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS AND PILOT COMBINATION MOTOR STARTER
				·		MAGNETIC MOTOR STARTER
ESCENT	FIXTURE	SCHED	DULE		<u>D</u>	NONFUSED SAFETY SWITCH R - INDICATES AMPERE RATING
OG NUMBER	MOUNT	LAMPS	REMARKS		H <u>oo</u> ip	ON-OFF PUSH-BUTTON OR SELECTOR SWITCH P - INDICATES
	PENDANT	1/400	MERCURY VAPOR LAMP		HOOGIP	HIGH-LOW-OFF PUSH-BUTTON OR SELECTOR SWITCH
	PENDANT	1/250	MERCURY VAPOR LAMP		9	- WALL MOUNTED - ALLOW 4'-0" OF
	1	1/150	EXISTING FIXTURE RELAMPED BY OTHERS - SEE SPECIFICATIONS		+	CONDUIT STUB UP-COUPLING FLUSH WITH FINISHED FLOOR - SEE
1	,			,	OT.	FLOOR BOX T - INDICATES TYPE SEE FLOOR BOX S
					Φ	15 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE WITH
				'	\$\\\ \ \\	15 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE WITH GR
				-	₩ %	15 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE VERIEV EXACT HEIGHT AND LOCATION.
			-		Φ	20 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE WITH
	ne .		1	· · · · · · · · · · · · · · · · · · ·	•	15 AMPERE RATED 5 WIRE SPLIT WIRED 120 VOLT DUPLEX RECEP-
					₽ R	120/250 VOLT RATED 3 WIRE RECEPTACLE R - INDICATES
					HNH	250 VOLT RATED RECEPTACLE N - INDICATES NUMBER OF
					A	TELEPHONE RECEPTACLE ELECTRICAL PANELBOARD
				-	3	MOTOR
				•	(O)	CLOCK - SINGLE FACE - SEE SPECIFICATIONS
			-		<u>©</u> @	CLOCK - DOUBLE FACE - SEE SPECIFICATIONS
ų,		-		·	8	BELL - CLASSROOM/CORRIDOR UNLESS OTHERWISE NOTED
	*				2 6	
						LOUD SPEAKER - WALL MOUNTED
						HORN OR PROJECTOR SPEAKER
					80/H200	BY OTHERS; WIRED COMPLETE BY ELECTRICAL CONTRACTOR.
					C.H.	CABINET HEATER
				· · · · ·	c.u.v.	CLASSROOM UNIT VENTILATOR
						FAN COIL
	**			,	U.H.	UNIT HEATER
					R.E.F.	ROOF EXHAUST FAN
					A.H.U.	AIR HANDLING UNIT
					W.P.	WEATHERPROOF - SEE SPECIFICATIONS
				·· ·	E.P.	EXPLOSION PROOF - SEE SPECIFICATIONS
				,	G.F.I.	GROUND FAULT INTERRUPTER - ALL ELECTRICAL DEVICES ON SHALL BE GROUND FAULT PROTECTED (SEE SPECIFICATIONS)
				t-		

NOTES:	
, j	
NOT ALL SYMBOLS SCHEDULED ARE USED ON THIS PROJECT.	

EXPLOSION PROOF - SEE SPECIFICATIONS

GROUND FAULT INTERRUPTER - ALL ELECTRICAL DEVICES ON CIRCUIT WHERE SHALL BE GROUND FAULT PROTECTED (SEE SPECIFICATIONS)

G.F.I.

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all dimensions	NOTES -
from Architectural	APPLY
krchi	o.
tectu	TO ALL
ral Plan	SHEETS

ensions	ify all	ST. L.
ensions shown on outlet boxes	ify all dimensions from Architectural Plans.	Guinaldia 140 110
utlet	from	
boxes	Archi	
shall be to the	tectur	
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- oustical tile shall
- all fluorescent fixtures mounted independently shall be furnished with two end plates. Fluorescent fixtures mounted in a continuous row shall be furnished with the proper number of connectors and end plates shall be furnished at the ends of the row only.

Not all existing convenience receptacles, wall switches, etc., and other electrical equipment are shown on the plans. A survey of the job site must be made to determine the extent of existing electrical equipment.

Remove existing light fixtures in rooms where new light fixtures are shown. In all other rooms existing light fixtures are to remain. Reconnect existing light fixtures to nearest available new or existing panel from the floor served.

Remove all existing electrical wiring and exposed abando conduit no longer required unless otherwise noted.

Connect motors or appliances as shown on plans. Any miscellaneous small motors or appliances not shown on the plans but existing and are to remain in service on the job site shall be reconnected to a new circuit with new wiring from the nearest available new or existing panelboard from the floor served.

Use of existing conduit in place is permitted where such use is within the limits of the National Electrical Code.

GENERAL RENOVATION NOTES - APPLY TO ALL SHEETS

When reconnecting existing light fixtures or newly replaced convenience receptacles to new circuits, connect approximately 1200 watts to a lighting circuit, or up to 5 receptacles to a convenience receptacle circuit. Do not connect lights or small motors on the same circuit with convenience receptacles.

See Mechanical Plans Werify height and location of outlets behind water cowith other trades, so that outlets are concealed. exhaust fan schedule and power

free standing items of electrical equipment shall installed on four inch (4") concrete pads by Electri-Contractor unless noted to be furnished by other des.

- Conduit to lights is shown to indicate switching and does not indicate quantity or exact location. Fluorescent fixtures shall be supported from structurabove See detail this sheet. Fluorescent fixtures installed in ac be on one foot modules.
- Plaster frames and/or rings shall be provided where required by ceiling construction. rify location of lights in rooms containing exposed octwork and piping by other trades and relocate, if cessary, as directed by the Architect.

Verify exact location of all outlets in laboratory equipment and built-in furniture with equipment suppliers' rough-in drawings before roughing in.

replaced with new devices, in areas of the building where electrical trades are performing work.

See Architectural Plans for renovated areas.

Where all new wall finishes are to be provided, remove all existing electrical devices and cover plates, such as receptacles, switches, fire alarm horns, pull stations, clocks and bells, etc., and reinstall after new wall finish is completed.

PROJECT N O

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20

ENT FIXTUR

MOUNTING DETAIL
NO Scale

2575 DATE APRIL 12,1976

REVISED

ER 5500 WEST BRADBURY AVENUE •

• PARK FLETCHER

OMPANY

HEATER'

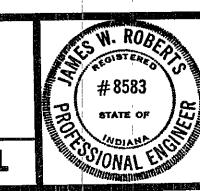
FURNISHED

AND

ARCHITECTS ENGINEERS • INDIANAPOLIS, INDIANA • 46241

RECEPTACLE WITH GROUND - HORIZONTAL RECEPTACLE WITH GROUND FURNISHED BY AL CONTRACTOR.

BEHIND WATER



James W. Roberts

120 VOLT DUPLEX RECEPTACLE WITH GROUND
SPLIT WIRED 120 VOLT DUPLEX RECEPTACLE WITH GROUND

(CONSTANT

AMPERE RATING