

RELAY SCHEDULE					
MARK & TYPE	ITEM	CONTROLLED CIRCUIT	COIL CIRCUIT	ROOM NUMBER	SEE NOTE(S)
RBS-1 ASCO #5430C	BUS STORAGE LIGHTS	1L3-1, 2	1L3-4 (PHOTO-CELL)	BUS STORAGE	1, 2, 3, 4, 6, 8

NOTES: 1. Furnish NEMA 1 enclosure unless otherwise noted.  
2. Furnish fuse protection for coil circuit.  
3. 120 volt coil.  
4. Electrically held.  
5. Mechanically held.  
6. Contacts - normally open.  
7. Contacts - normally closed.  
8. Provide hand-off-automatic selector switch in relay enclosure.

MOTOR STARTER SCHEDULE									
MARK	ITEM	CHESSES	NEMA SIZE	HP	AUXILIARY CONTACTS N.O. N.C.	ROOM NUMBER	ENCL.	REMOTE	
MSH-5	ROOF EXHAUST FAN	1	0	3/4	1 -	HIGH SCHOOL BOILER ROOM		S	S
MSM-1	TEMPERATURE CONTROL AIR COMPRESSOR	1	0	1	1 -	BUS MAINTENANCE BOILER ROOM		-	-
MSM-2	HEATING SYSTEM PUMP	1	0	1	1 -	BUS MAINTENANCE BOILER ROOM	SA	-	
MSM-3	HYDRAULIC LIFT	1	1	5	1 -	BUS MAINTENANCE REPAIR	S	-	
MSM-4	HYDRAULIC LIFT (ALTERNATE BID #6)	1	1	5	1 -	BUS MAINTENANCE REPAIR	S	-	

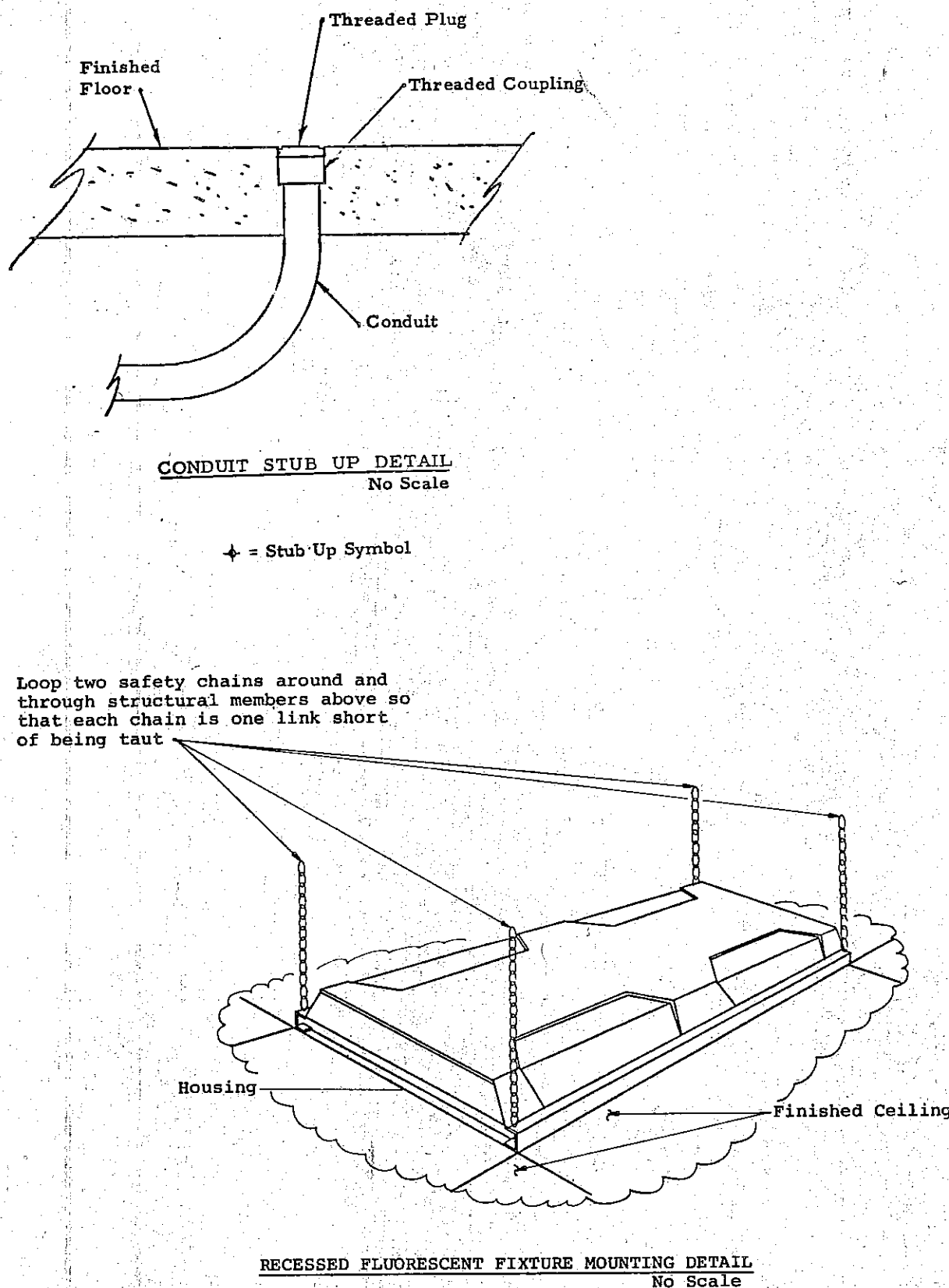
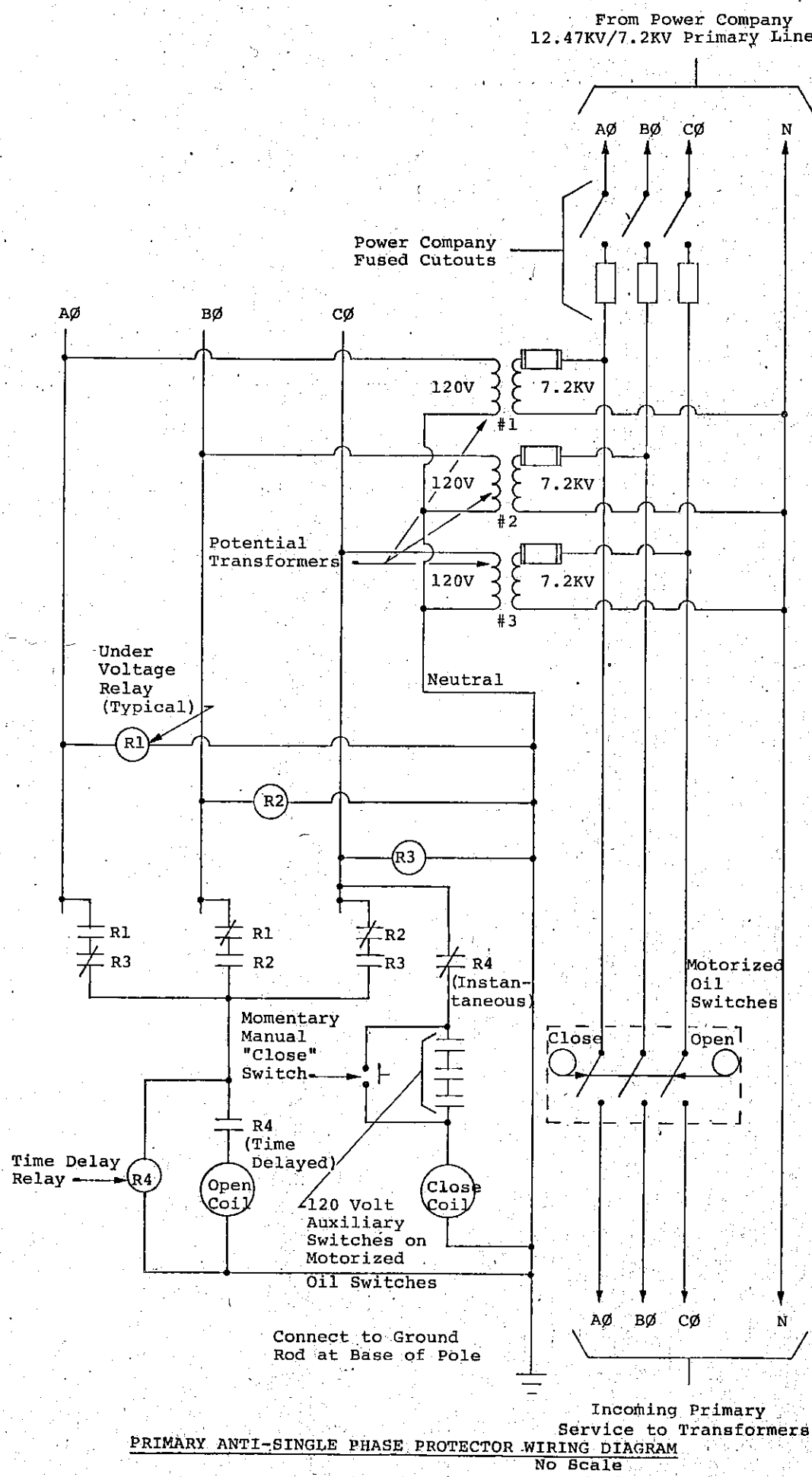
NOTES: 1. All motor starters shall be 3-pole combination type with NEMA 1 enclosure.  
2. All motor starters shall have 208/120 volt control circuit transformer with control circuit fuses.  
3. All motor starters shall have 120 volt coil and 208 volt contacts.  
4. 120 volt momentary contact pushbutton:  
P = On-Off; R2 = Hi-Low; T = Test Button; T2 = Hi-Low Test Button;  
PO2 = Hi-Low-Off  
5. 120 volt maintained contact selector switch:  
S = On-Off; S2 = Hi-Low; SO2 = Hi-Low-Off; SA = Hand-Off-Automatic  
6. Pilot lights shall be furnished with all remote control units.

FLUORESCENT FIXTURE SCHEDULE				
TYPE	MANUFACTURER'S CATALOG NUMBER	MOUNT	LAMPS	REMARKS
F-1	WESTINGHOUSE SF2-SG-4424-6251	RECESS	4/40	FLANGELESS CHASSIS FRAMED HOLOPHANE 6251B LENS
F-2	GUTH FS1-X414F-1AGE1	RECESS	1/40	
F-3	WESTINGHOUSE JH240SS14-6251	SURFACE	2/40	FRAMED HOLOPHANE 6251B LENS INSTALLED BY OTHERS SEE SPECIFICATIONS
F-4	MILLER XS-2130-04MR UL/DL	SURFACE	2/40	DIFFUSE LENS STAINLESS STEEL TRIM INSTALLED BY OTHERS SEE SPECIFICATIONS
F-5	WESTINGHOUSE J240AF-X4-68B	SURFACE	2/40	14" WIDE FIXTURE FRAMED HOLOPHANE 6251B LENS INSTALLED BY OTHERS SEE SPECIFICATIONS
F-6	WESTINGHOUSE H240RV	PENDANT	2/40	WITH 30° x 30° METAL LOUVERS CHAIN PENDENT MOUNTED

INCANDESCENT FIXTURE SCHEDULE				
TYPE	MANUFACTURER'S CATALOG NUMBER	MOUNT	LAMPS	REMARKS
K-1	HOLOPHANE 920-120	PENDANT	1/400	MERCURY VAPOR LAMP
K-2	HOLOPHANE 907-120	PENDANT	1/250	MERCURY VAPOR LAMP
K-3	EXISTING FIXTURE		1/150	EXISTING FIXTURE RELAMPED BY OTHERS - SEE SPECIFICATIONS

ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
	FLUORESCENT LIGHT FIXTURE F-3 INDICATES FIXTURE TYPE
	FLUORESCENT LIGHT FIXTURE (EMERGENCY/WALK THRU/SECURITY) F-3 INDICATES FIXTURE TYPE
	INCANDESCENT/MERCURY VAPOR LIGHT FIXTURE K-3 INDICATES FIXTURE TYPE
	INCANDESCENT/MERCURY VAPOR LIGHT FIXTURE (EMERGENCY/WALK THRU/SECURITY) K-3 INDICATES FIXTURE TYPE
	EXIT LIGHT FIXTURE - CEILING MOUNTED - BAR INDICATES FACE
	EXIT LIGHT FIXTURE - CEILING MOUNTED - ARROW INDICATES FACE WITH DIRECTIONAL ARROW
	EXIT LIGHT FIXTURE - WALL MOUNTED - BAR INDICATES FACE
	EXIT LIGHT FIXTURE - WALL MOUNTED - ARROW INDICATES FACE WITH DIRECTIONAL ARROW
	20 AMPERE RATED 120/277 VOLT SINGLE POLE SWITCH
	20 AMPERE RATED 120/277 VOLT TWO POLE SWITCH
	20 AMPERE RATED 120/277 VOLT THREE WAY SWITCH
	20 AMPERE RATED 120/277 VOLT FOUR WAY SWITCH
	MANUAL MOTOR STARTER WITH THERMAL OVERLOADS AND PILOT LIGHT
	COMBINATION MOTOR STARTER
	MAGNETIC MOTOR STARTER
	NONFUSED SAFETY SWITCH R - INDICATES AMPERE RATING
	ON-OFF PUSH-BUTTON OR SELECTOR SWITCH P - INDICATES PILOT LIGHT
	HIGH-LOW-OFF PUSH-BUTTON OR SELECTOR SWITCH P - INDICATES PILOT LIGHT
	JUNCTION BOX - WALL MOUNTED - ALLOW 4'-0" OF WIRE FOR CONNECTION
	JUNCTION BOX - CEILING MOUNTED - ALLOW 4'-0" OF WIRE FOR CONNECTION
	CONDUIT STUB UP-COUPLING FLUSH WITH FINISHED FLOOR - SEE DETAIL
	FLOOR BOX T - INDICATES TYPE SEE FLOOR BOX SCHEDULE
	15 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE WITH GROUND
	15 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE WITH GROUND - HORIZONTAL MOUNTED
	15 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE WITH GROUND FURNISHED BY OTHERS, INSTALLED AND WIRE COMPLETE BY ELECTRICAL CONTRACTOR.
	15 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE CONCEALED BEHIND WATER COOLER - VERIFY EXACT HEIGHT AND LOCATION
	20 AMPERE RATED 3 WIRE 120 VOLT DUPLEX RECEPTACLE WITH GROUND
	15 AMPERE RATED 5 WIRE SPLIT WIRED 120 VOLT DUPLEX RECEPTACLE WITH GROUND (CONSTANT AND CONTROLLED)
	120/250 VOLT RATED 3 WIRE RECEPTACLE R - INDICATES AMPERE RATING
	250 VOLT RATED RECEPTACLE N - INDICATES NUMBER OF WIRES R - INDICATES AMPERE RATING
	TELEPHONE RECEPTACLE
	ELECTRICAL PANELBOARD
	MOTOR
	CLOCK - SINGLE FACE - SEE SPECIFICATIONS
	CLOCK - DOUBLE FACE - SEE SPECIFICATIONS
	BELL - CLASSROOM/CORRIDOR UNLESS OTHERWISE NOTED
	SPEAKER-CEILING MOUNTED-RECESSED
	LOUD SPEAKER - WALL MOUNTED
	HORN OR PROJECTOR SPEAKER
	CABINET HEATER/CLASSROOM UNIT VENTILATOR/FAN COIL/UNIT HEATER FURNISHED AND INSTALLED BY OTHERS; WIRED COMPLETE BY ELECTRICAL CONTRACTOR.
C.H.	CABINET HEATER
C.U.V.	CLASSROOM UNIT VENTILATOR
F.C.	FAN COIL
U.H.	UNIT HEATER
R.E.F.	ROOF EXHAUST FAN
U.E.F.	UTILITY 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 CIRCUIT WHERE G.F.I. IS SHOWN SHALL BE GROUND FAULT PROTECTED (SEE SPECIFICATIONS)

NOTES: 1. NOT ALL SYMBOLS SCHEDULED ARE USED ON THIS PROJECT.



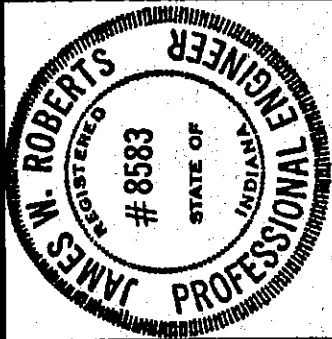
#### GENERAL RENOVATION NOTES - APPLY TO ALL SHEETS

- Use of existing conduit in place is permitted where such use is within the limits of the National Electrical Code.
- 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.
- 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.
- 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 all existing electrical wiring and exposed abandoned conduit no longer required unless otherwise noted.
- 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.
- All defective existing receptacles, switches, etc., shall be 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.

#### GENERAL NOTES - APPLY TO ALL SHEETS

- Verify all dimensions from Architectural Plans.
- Dimensions shown on outlet boxes shall be to the top of the box.
- Conduit to lights is shown to indicate switching and does not indicate quantity or exact location.
- Fluorescent fixtures shall be supported from structure above - See detail this sheet.
- Fluorescent fixtures installed in acoustical tile shall be on one foot modules.
- 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.
- Plaster frames and/or rings shall be provided where required by ceiling construction.
- Verify location of lights in rooms containing exposed ductwork and piping by other trades and relocate, if necessary, as directed by the Architect.
- Verify height and location of outlets behind water coolers with other trades, so that outlets are concealed.
- See Mechanical Plans for exhaust fan schedule and power circuits.
- All free standing items of electrical equipment shall be installed on four inch (4") concrete pads by Electrical Contractor unless noted to be furnished by other trades.
- Verify exact location of all outlets in laboratory equipment and built-in furniture with equipment suppliers' rough-in drawings before roughing in.

*Jama M. Roberts*



ARCHITECTS  
ENGINEERS  
• INDIANAPOLIS, INDIANA • 46241

**EVERETT · I · BROWN COMPANY**

• PARK FLETCHER •

5500 WEST BRADBURY AVENUE •

MISCELLANEOUS REMODELING TO THE EXISTING CHESTERTON SENIOR HIGH SCHOOL

PROJECT 2575	DATE APRIL 12, 1976	REVISED
-----------------	------------------------	---------

NO. 2  
OF 20

768-01