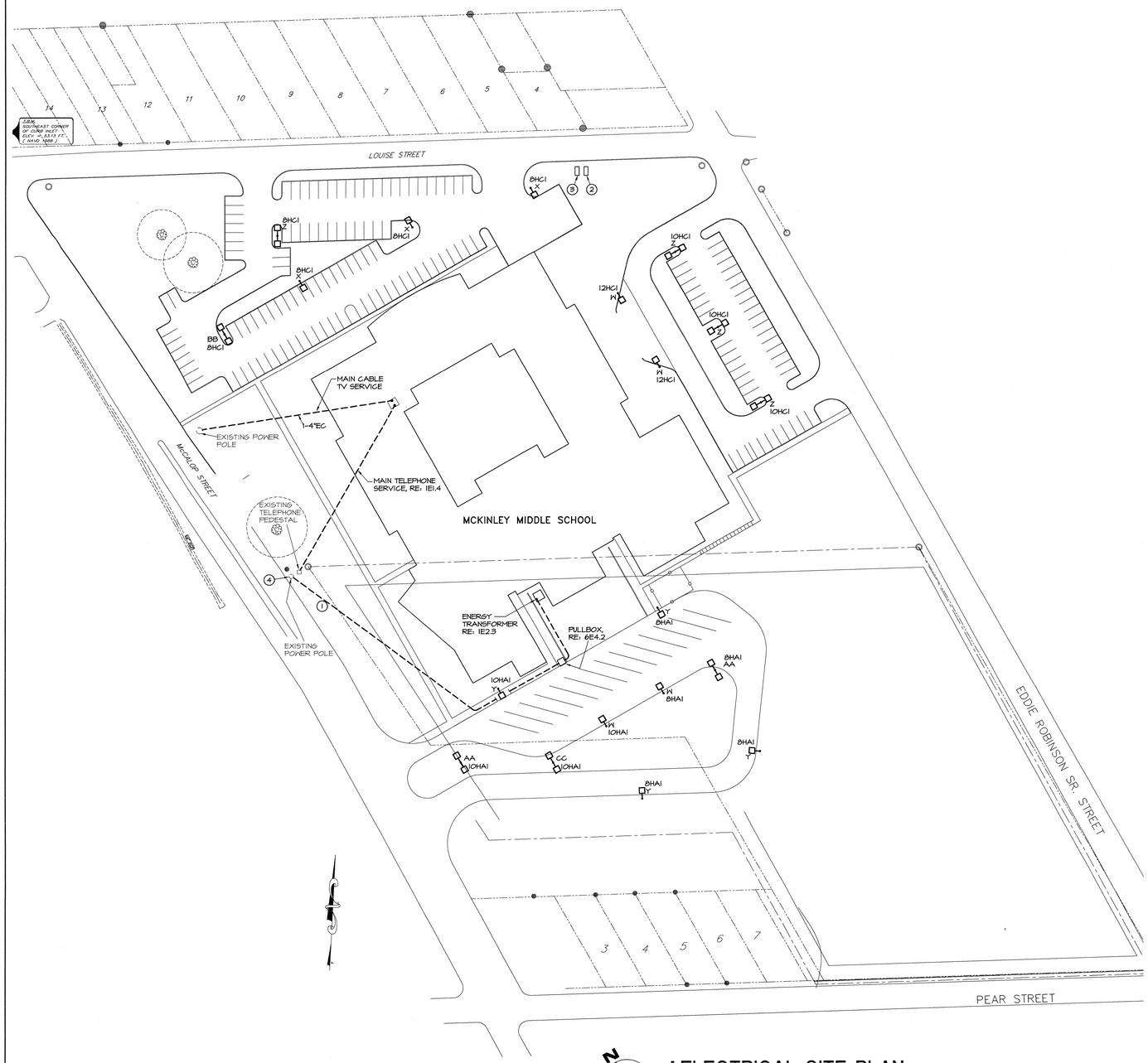

1 ELECTRICAL SITE PLAN

SCALE: 1" = 50'-0"

PROJECT

2 ELECTRICAL SYMBOL SCHEDULE

FLUORESCENT FIXTURE	
FLUORESCENT STRIP	
LIGHTING FIXTURE	
WALL WASHER LIGHTING FIXTURE	
WALL MOUNTED LIGHTING FIXTURE	
POLE MOUNTED LIGHTING FIXTURE	
LIGHTING FIXTURE ON NIGHT OR EMERGENCY CIRCUIT	
1A	CONNECT TO CIRCUIT NO. 1 IN PANEL A. REFER TO PANELBOARD SCHEDULES FOR CONDUCTORS AND CONDUIT. ROUTE CONDUIT CONCEALED IN WALLS AND ACCESSIBLE CEILING, UNLESS OTHERWISE NOTED.
1A a / A	FIXTURE TYPE A: CONNECT TO CIRCUIT NO. 1 IN PANEL A. CONNECT TO SWITCH INDICATED BY LETTER "a". WHERE NO LETTER IS SHOWN, CONNECT TO SWITCH(ES) (SINGLE POLE OR THREE-WAY) IN ROOM.
	EXIT LIGHT: SHADED AREA DENOTES FACE. WALL MOUNT WHEN SHOWN WITH BRACKET, CEILING MOUNT OTHERWISE. COORDINATE WITH DOOR SWINGS. ARROW(S) AS NOTED.
PC	PHOTOCELL: MOUNT ON WALL AS HIGH AS POSSIBLE.
LC	LIGHTING CONTACTOR
S	SINGLE POLE TOGGLE SWITCH
S_X	KEY OPERATED SWITCH
S_3	THREE WAY TOGGLE SWITCH
S_{30}	SINGLE POLE TOGGLE SWITCH RATED FOR 30 AMPS.
S_D	DIMMER SWITCH WITH SEPARATE OFF CONTROL
	DUPLEX RECEPTACLE
	DOUBLE DUPLEX RECEPTACLE
GF	DUPLEX RECEPTACLE WITH INTEGRAL GROUND FAULT PROTECTION
EWC	DUPLEX RECEPTACLE CONCEALED BEHIND EWC
TV	RECEPTACLE IN SEPARATE BOX NEXT TO TV OUTLET. TV OUTLET SHALL BE 1-GANG RECESSED BOX WITH ONE 1" CONDUIT ROUTED CONCEALED TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT, IS PARALLEL WITH CEILING PLANE. MOUNT AT 18"AFF UNLESS NOTED OTHERWISE. CONTRACTOR SHALL PROVIDE RF CABLE AND CONNECTOR, RE: RF DRAWINGS.
	30 AMP, 3 POLE, 4 WIRE RECEPTACLE, NEMA 14-30R.
	FLOOR DUPLEX RECEPTACLE
	SPECIAL RECEPTACLE, SEE PLANS
J	JUNCTION/PULL BOX
C	COMPUTER/TELEPHONE OUTLET. ROUTE TWO 1" CONDUITS CONCEALED TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE. PROVIDE ONE DATA JACK FOR COMPUTER AND TWO VOICE JACK FOR TELEPHONE AND FAX.
C_2	COMPUTER AND PRINTER OUTLET WITH 1" CONDUIT ROUTED CONCEALED TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE. PROVIDE TWO DATA JACKS, ONE FOR COMPUTER AND ONE FOR PRINTER.
C_6	COMPUTER OUTLET WITH TWO 1" CONDUITS ROUTED CONCEALED TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE. PROVIDE SIX DATA JACKS.
C	COMPUTER OR DATA FLOOR OUTLET WITH 1" EC ROUTED CONCEALED TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. EC SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE. SAME BOX AS TELEPHONE FLOOR.
C	DATA OUTLET IN EXPOSED BOX MOUNTED ABOVE CEILING. PROVIDE 1" SHORT NIPPLE FOR CABLE ENTRANCE. PROVIDE ONE DATA JACK FOR FUTURE WIRELESS NETWORK HUB.
FC	2 GANG ROUGH IN WITH FURNITURE FEED FOR TELECOMMUNICATIONS. ROUTE 1"EC CONCEALED TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. EC SHALL BE BENT/INSTALLED SUCH THAT 1'-0" MIN. OF CONDUIT IS PARALLEL WITH CEILING PLANE. MOUNT ROUGH-IN 1'-0" AFF TO TOP OF BOX.
C_4	COMPUTER OUTLET WITH TWO 1" CONDUITS ROUTED CONCEALED TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE. PROVIDE FOUR DATA JACKS.
	TELEPHONE BACKBOARD. 4'-0" x 8'-0" x 3/4 THICK PLYWOOD. RE: SPECS.
	DATA OUTLET WITH 1" CONDUIT ROUTED CONCEALED TO ACCESSIBLE CEILING SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE. PROVIDE CONNECTION MODULE AND CABLING AS SPECIFIED
PB	PUSHBUTTON ASSEMBLY
IC	INTERCOM TALK STATION
IN	CAMERA INPUT – 3-GANG DEEP RECESSED BOX WITH 2-GANG PLASTER RING. WITH 1" EC TO ABOVE ACCESSIBLE CEILING SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE.
CI	SAME AS IN WITH CONDUIT ROUTED CONCEALED TO IC-JB3 IN CONTROL ROOM.
CS	CAMERA INPUT – 3-GANG DEEP RECESSED BOX WITH 3-GANG PLASTER RING. ROUTE 1-1/4" EC CONCEALED TO IC-JB3.

IM	INTERCOM MASTER STATION
M	MICROPHONE
A	NEW PANEL DESIGNATED "A"
RAP	FIRE ALARM REMOTE ANNUNCIATOR PANEL PROVIDE A 3/4"C TO THE FIRE ALARM PANEL.
SP, HSP	SPEAKER: WALL MOUNT WHEN SHOWN WITH BRACKET
	WEATHERPROOF TRUMPET SPEAKER
WP	WEATHERPROOF, NEMA 3R OR AS NOTED ON PLANS.
48" AFF	MOUNT 48" ABOVE FINISHED FLOOR TO CENTER LINE.
RE: 1E2	REFER TO DETAIL 1, SHEET E2.
+8" AC	MOUNT 8" ABOVE COUNTER TOP TO BOTTOM OF DEVICE.
1-1/2" EC	EMPTY CONDUIT WITH PULL WIRE
GEC	GROUNDING ELECTRODE CONDUCTOR
1	REFERENCE TO ELECTRICAL KEYNOTE NUMBER 1
T-1	DRY TYPE TRANSFORMER: NUMBER DENOTES TRANSFORMER NUMBER.
ATS	AUTOMATIC TRANSFER SWITCH
	CONDUIT RUN CONCEALED IN WALL OR CEILING
	CONDUIT RUN EXPOSED
	CONDUIT RUN CONCEALED UNDER FLOOR OR UNDERGROUND
	CONDUIT TURN UP OR DOWN AS NOTED ON PLANS
F	FIRE ALARM PULL STATION.
S	FIRE ALARM SMOKE DETECTOR IN SUPPLY AND/OR RETURN AIR DUCT.
H	FIRE ALARM COMBINATION RATE OF RISE/FIXED TEMPERATURE HEAT DETECTOR.
S	FIRE ALARM SMOKE DETECTOR.
D	FIRE ALARM DOOR HOLD OPEN DEVICE. COORDINATE MOUNTING LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
FAP	FIRE ALARM PANEL
VEP	FIRE ALARM VOICE EVACUATION PANEL
S 15	WALL MOUNTED FIRE ALARM NOTIFICATION (AUDIO/VISUAL) NUMBER INDICATES THE RATING OF STROBE FOR THE AREA OF MINIMUM CANDELA COVERAGE AS PER NFPA 72. WHERE NO NUMBER IS SHOWN, THE CANDELA RATING SHALL BE 95 CANDELA MINIMUM.
A 15	CEILING MOUNTED FIRE ALARM NOTIFICATION DEVICE (AUDIO/VISUAL): NUMBER INDICATES THE MINIMUM CANDELA RATING OF STROBE FOR THE AREA OF COVERAGE AS PER NFPA 72. WHERE NO NUMBER IS SHOWN, THE CANDELA RATING SHALL BE 95 CANDELA MINIMUM.
V 15	WALL MOUNTED FIRE ALARM NOTIFICATION DEVICE (VISUAL). NUMBER INDICATES THE MINIMUM CANDELA RATING OF STROBE FOR THE AREA OF COVERAGE AS PER NFPA 72. WHERE NO NUMBER IS SHOWN, THE CANDELA RATING SHALL BE 95 CANDELA MINIMUM
V 15	CEILING MOUNTED FIRE ALARM NOTIFICATION DEVICE (VISUAL): NUMBER INDICATES THE MINIMUM CANDELA RATING OF STROBE FOR THE AREA OF COVERAGE AS PER NFPA 72. WHERE NO NUMBER IS SHOWN, THE CANDELA RATING SHALL BE 95 CANDELA MINIMUM.
FS	SPRINKLER SYSTEM FLOW SWITCH
TS	SPRINKLER SYSTEM TAMPER SWITCH
	FIRE ALARM WEATHERPROOF TRUMPET SPEAKER
60/3/NP	DISCONNECT SWITCH WITH EQUIPMENT GROUND LUG (SIZE/POLE/FUSE SIZE): 60A, 3 POLE SWITCH, FUSED AS PER NAMEPLATE OF EQUIPMENT SERVED BY SWITCH.
60/3/40	DISCONNECT SWITCH WITH EQUIPMENT GROUND LUG (SIZE/POLE/FUSE SIZE): 60A, 3 POLE, FUSED AT 40A.
60/3	DISCONNECT SWITCH WITH EQUIPMENT GROUND LUG (SIZE/POLE): 60A, 3 POLE, NON-FUSIBLE SWITCH.
	COMBINATION MOTOR STARTER/DISCONNECT BY MECHANICAL. INSTALLED AND CONNECTED BY ELECTRICAL.
AHU-1	MECHANICAL EQUIPMENT CONNECTED BY ELECTRICAL. RE: MECHANICAL EQUIPMENT SCHEDULES FOR DESCRIPTION.
VFD	VARIABLE FREQUENCY DRIVE. PROVIDED BY MECHANICAL. INSTALLED AND CONNECTED BY ELECTRICAL.
OS	CEILING MOUNTED, LINE VOLTAGE OCCUPANCY SENSOR.
OS SU OS	CEILING MOUNTED, LOW VOLTAGE OCCUPANCY SENSORS AND CONTROL UNIT.
DPS	DOOR POSITION SWITCH
MD	MOTION DETECTOR
KP	SECURITY SYSTEM KEYPAD
S_{X3}	THREE WAY KEY OPERATED TOGGLE SWITCH
MM	MULTIMEDIA ROUGH-IN BOX. BOX SHALL BE FLUSH MOUNT 8"Wx4"Dx4"H WITH REMOVABLE BRUSHED ALUMINUM PANEL. PROVIDE 1-1/2"EC FROM BOX TO PROJECTOR LOCATION IN ACCESSIBLE CEILING. PROVIDE BOX ON CONDUIT END AT PROJECTOR. PROVIDE 2"EC FROM BOX TO ACCESSIBLE CEILING AND/OR ATTIC SPACE. CONDUIT SHALL BE BENT/INSTALLED SUCH THAT 0'-6" MINIMUM OF CONDUIT IS PARALLEL WITH CEILING PLANE.
S	SWITCH FURNISHED BY MECHANICAL. INSTALLED AND CONNECTED BY ELECTRICAL.

3 KEYNOTES

1. PROVIDE THREE 2" EMPTY CONDUITS FROM EXISTING POWER POLE TO IN-GROUND PULL BOX THEN FROM PULL BOX TO NEW TRANSFORMER PAD. COORDINATE INSTALLATION WITH ENTERGY.
2. PROVIDE DUPLEX RECEPTACLE IN BACKFLOW PREVENTER ENCLOSURE. CONNECT TO CIRCUIT 8CLCI, RE: 1M1.0.
3. PROVIDE DUPLEX RECEPTACLE IN FIRE SPRINKLER SYSTEM. BACKFLOW PREVENTER ENCLOSURE. CONNECT TO CIRCUIT 8ZLCI. PROVIDE MODULE TO MONITOR VOLTAGE AT RECEPTACLE SUCH THAT WHEN RECEPTACLE LOSES VOLTAGE, A TROUBLE ALARM IS INDICATED AT THE FIRE ALARM PANEL. CONNECT TWO TAMPER SWITCHES TO FIRE ALARM CONTROL PANEL. USE 3/4" CONDUIT FOR FIRE ALARM SYSTEM CONDUCTORS, RE: 1M1.0.
4. VERIFY WITH ENTERGY EXACT LOCATION OF POLE PRIOR TO INSTALLATION OF CONDUIT. ENTERGY CONTACT IS ROBERT SMITH. TELEPHONE: (225) 354-3114, MOBILE: (225) 418-1724.

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1	11/12/04	FIRE MARSHAL AND C.P. REVISIONS

McKINLEY MIDDLE MAGNET SCHOOL

1550 EDDIE ROBINSON SR. DRIVE
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ELECTRICAL SITE PLAN

STATE OF LOUISIANA — DAVID ASSAF, III — LICENSE NO. 16190 — PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
DRAWN BY PLM	E1.1
CHECKED BY AKG	
DATE October 15, 2004	OF

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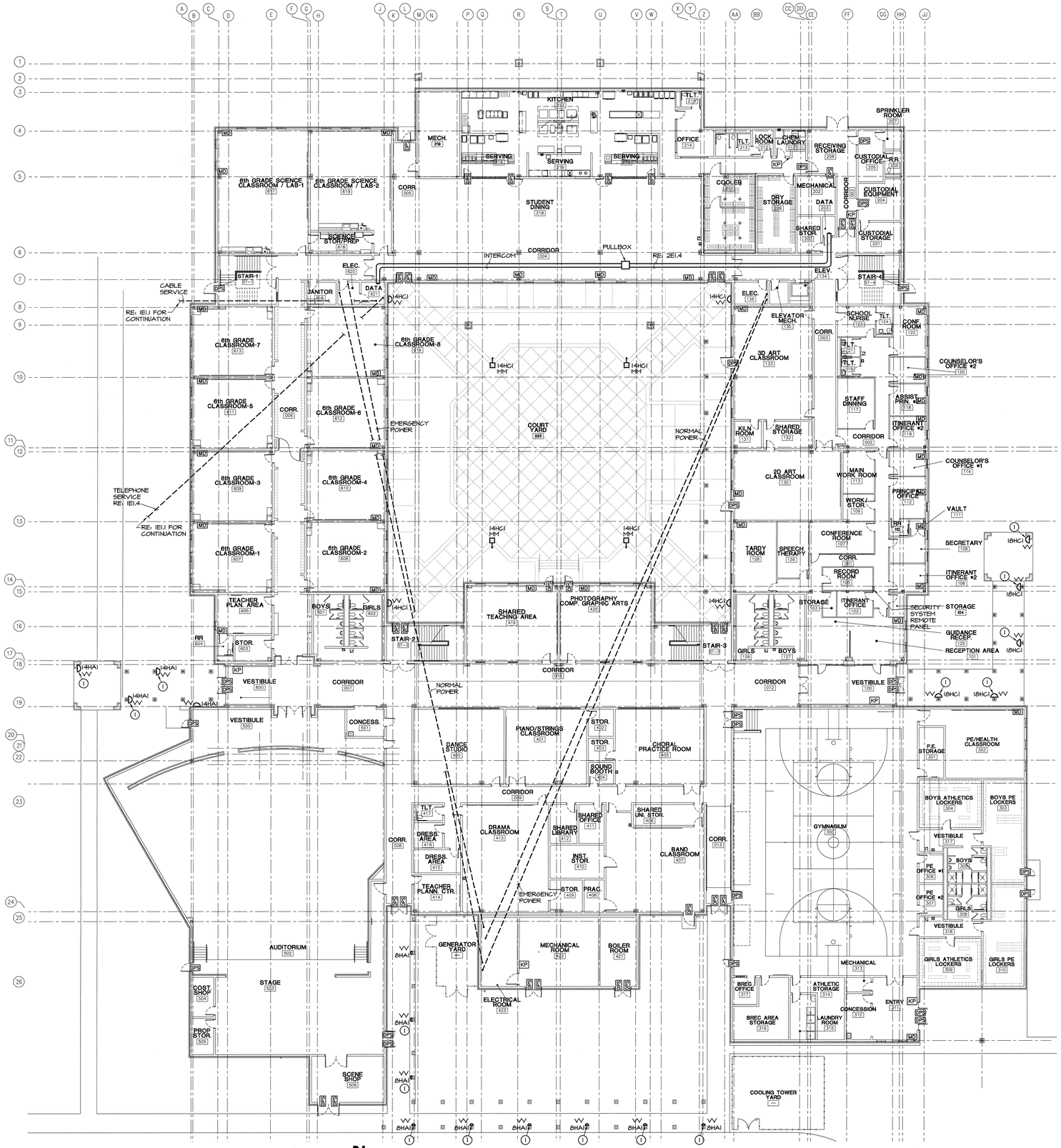
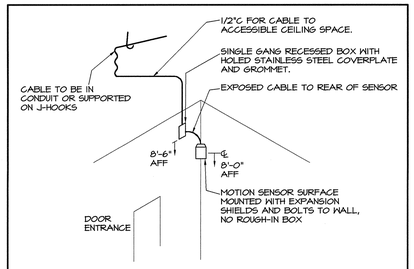


1 1ST FLOOR ELECTRICAL OVERALL PLAN

SCALE: 1/16" = 1'-0"



DETAIL TYPICAL ALL CORNER MOUNT SENSORS. DETAIL SIMILAR FOR STRAIGHT WALL INSTALLATION.

2 ISOMETRIC AT CORNER OF CLASSROOM

NOT TO SCALE

3 KEYNOTE

1. ROUTE CONDUIT UNDERGROUND THEN UP IN COLUMN TO LUMINAIRE. MOUNT LUMINAIRE WITH TOP EVEN WITH TOP OF COLUMN BRICK WORK.

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1ST FLOOR ELECTRICAL OVERALL PLAN

STATE OF LOUISIANA
DAVID ASSAF, III
License No. 16190
PROFESSIONAL ENGINEER IN MECHANICAL & ELECTRICAL ENGINEERING

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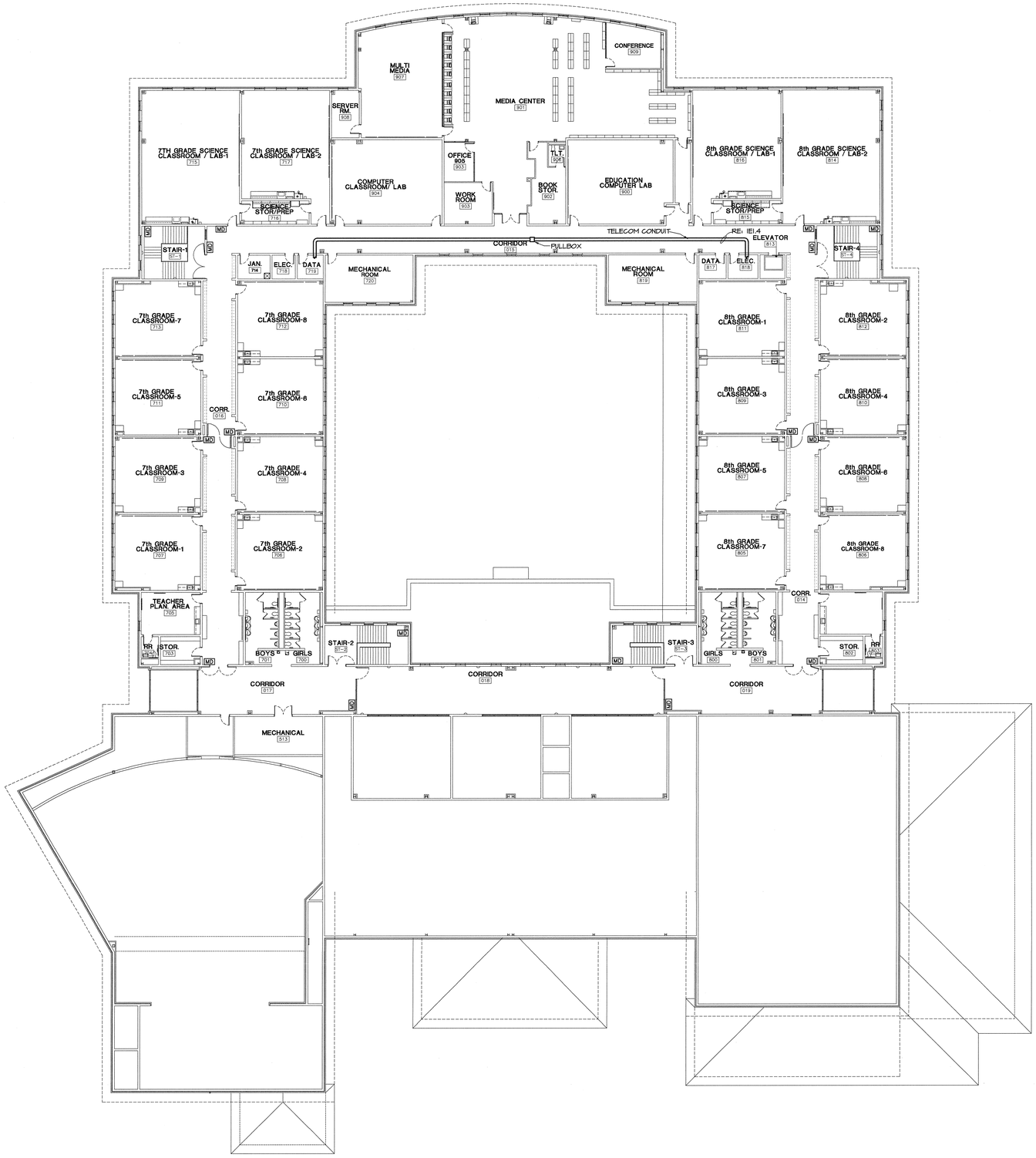

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PROJECT

1 2ND FLOOR SPECIAL SYSTEMS PLAN

SCALE: 1/16" = 1'-0"

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2ND FLOOR SPECIAL SYSTEMS PLAN

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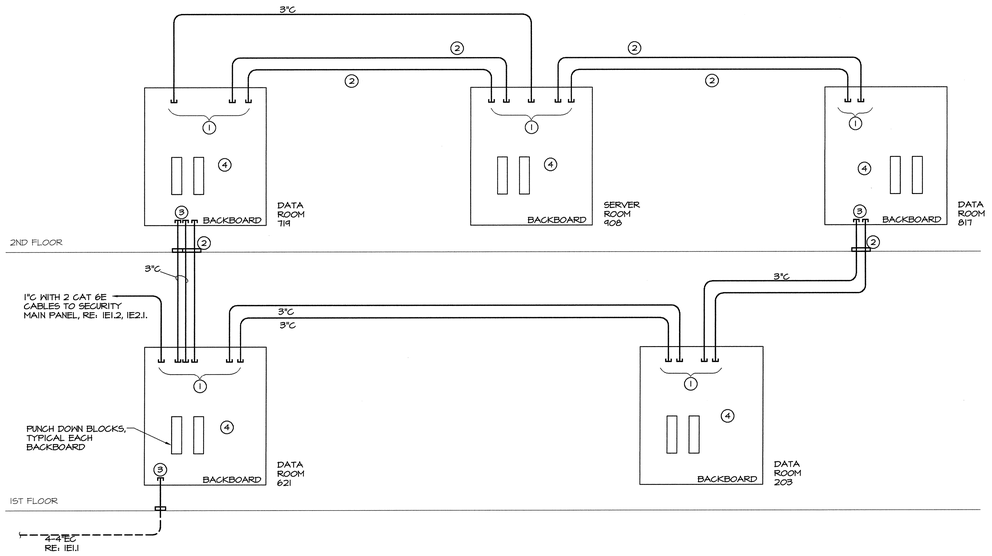
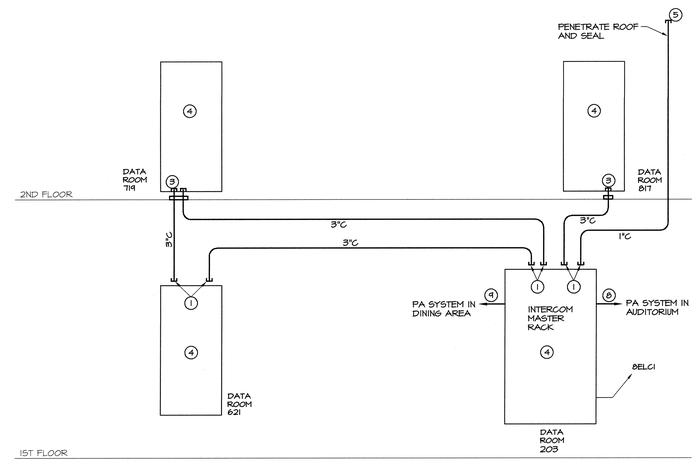


1 TELECOM RISER DIAGRAM
NOT TO SCALE



2 INTERCOM RISER DIAGRAM
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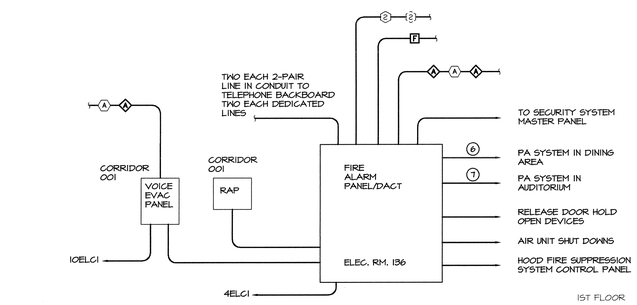

3 FIRE ALARM RISER DIAGRAM
NOT TO SCALE

4 KEYNOTES

1. STUB DOWN 6" BELOW TOP OF BACKBOARD. PROVIDE BUSHING ON END OF CONDUIT.
2. 4" CONDUIT WITH THREE EACH 1-1/4" INNERDUCTS. ROUTE TWO 6-FIBER CABLES IN ONE OF THE INNERDUCTS. INNERDUCTS SHALL BE HDPE TYPE SDR, 13.5 RATED, LONGITUDINAL RIBBED, LUBRICATED AND BUNDLED WITH QUANTITIES SHOWN. USE SCREW-ON SELF-THREADING COUPLERS. EACH INNERDUCT SHALL BE DIFFERENT COLORS AND CONTINUOUS THE FULL LENGTH OF THE RUN. PROVIDE PULL ROPES.
3. STUB UP 8" AFF. PROVIDE 3-1/2" HIGH CONCRETE HOUSEKEEPING SLAB AND BUSHING ON END OF CONDUIT.
4. 3/4" PLYWOOD BACKBOARD AS SPECIFIED.
5. PROVIDE FM ANTENNA MOUNTED ON ROOF, RE: SPECIFICATIONS.
6. PROVIDE CONTROL RELAY WITH TWO SETS OF FORM C CONTACTS. CONTACTS SHALL BE RATED 20A AT 120V MINIMUM. RELAY SHALL BE LOCATED IN NEMA 1 ENCLOSURE ADJACENT TO DINING AREA P.A. SYSTEM AMPLIFIER IN DATA ROOM 621. RELAY SHALL BE ENERGIZED WHEN FIRE ALARM SYSTEM GOES INTO ALARM MODE AND SHALL INTERRUPT CIRCUIT TO P.A. SPEAKERS.
7. PROVIDE NORMALLY OPEN CONTACTS THAT CLOSE ON FIRE ALARM PANEL ALARM. CONNECT TO AUDITORIUM P.A. SYSTEM TO INTERRUPT SYSTEM OUTPUT WHEN FIRE ALARM PANEL IS IN ALARM. COORDINATE WITH P.A. SYSTEM SUPPLIER.
8. PROVIDE INTERCOM AUDIO OUTPUT TO P.A. SYSTEM IN THE AUDITORIUM. P.A. SYSTEM SHALL SENSE AUDIO SIGNAL FOR AUDITORIUM INTERCOM ZONE AND/OR ALL-CALL AND SHALL INTERRUPT P.A. SYSTEM OUTPUT. COORDINATE WITH P.A. SYSTEM SUPPLIER. PROVIDE CONDUCTORS FOR INTERFACE BETWEEN PANELS.
9. PROVIDE INTERCOM AUDIO OUTPUT TO P.A. SYSTEM IN DINING AREA. P.A. SYSTEM SHALL SENSE AUDIO SIGNAL FOR DINING AREA INTERCOM ZONE AND/OR ALL-CALL AND SHALL INTERRUPT P.A. SYSTEM OUTPUT. COORDINATE WITH P.A. SYSTEM SUPPLIER. PROVIDE CONDUCTORS FOR INTERFACE BETWEEN PANELS.

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TELECOM, INTERCOM AND FIRE ALARM RISERS

STATE OF LOUISIANA — DAVID ASSAF, III — License No. 16190 — PROFESSIONAL ENGINEER IN MECHANICAL & ELECTRICAL ENGINEERING

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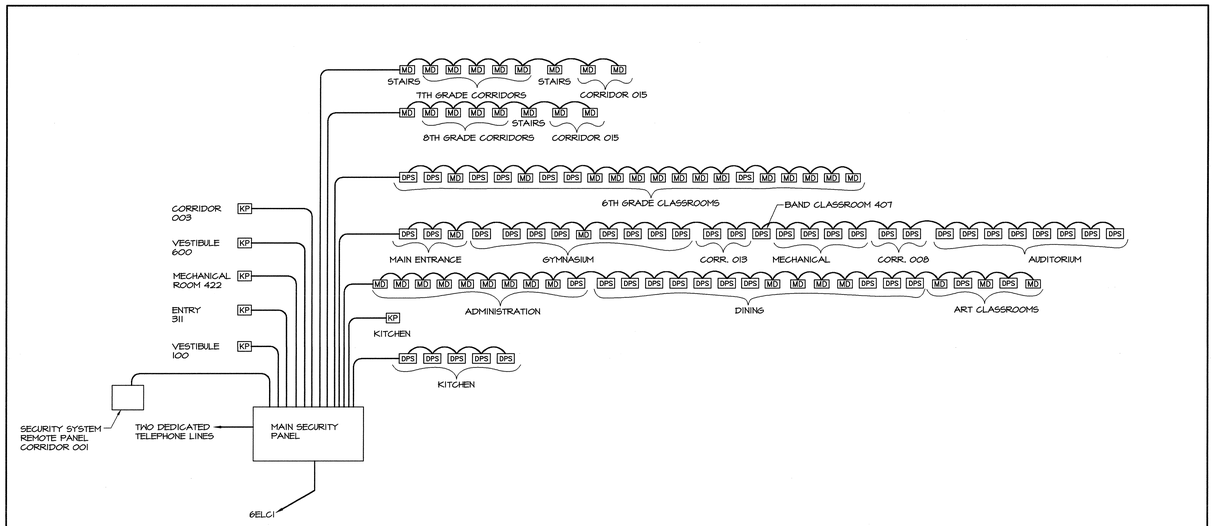

1 SECURITY SYSTEM RISER DIAGRAM
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McKINLEY MIDDLE MAGNET SCHOOL

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SECURITY SYSTEM RISER DIAGRAM

STATE OF LOUISIANA
DAVID ASSAF, III
License No. 16190
PROFESSIONAL ENGINEER
IN
MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
DRAWN BY TAS	E1.5
CHECKED BY AKG	
DATE October 15, 2004	OF

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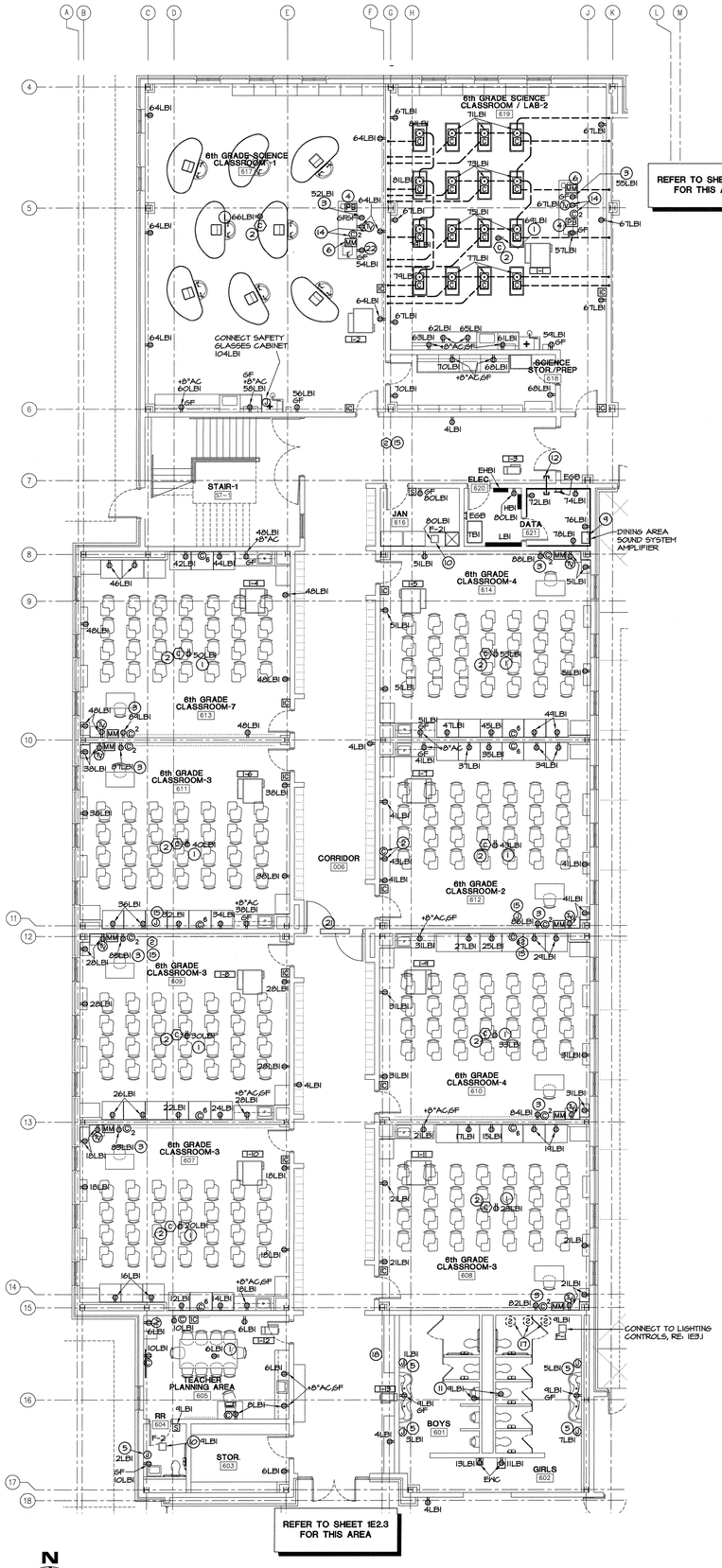

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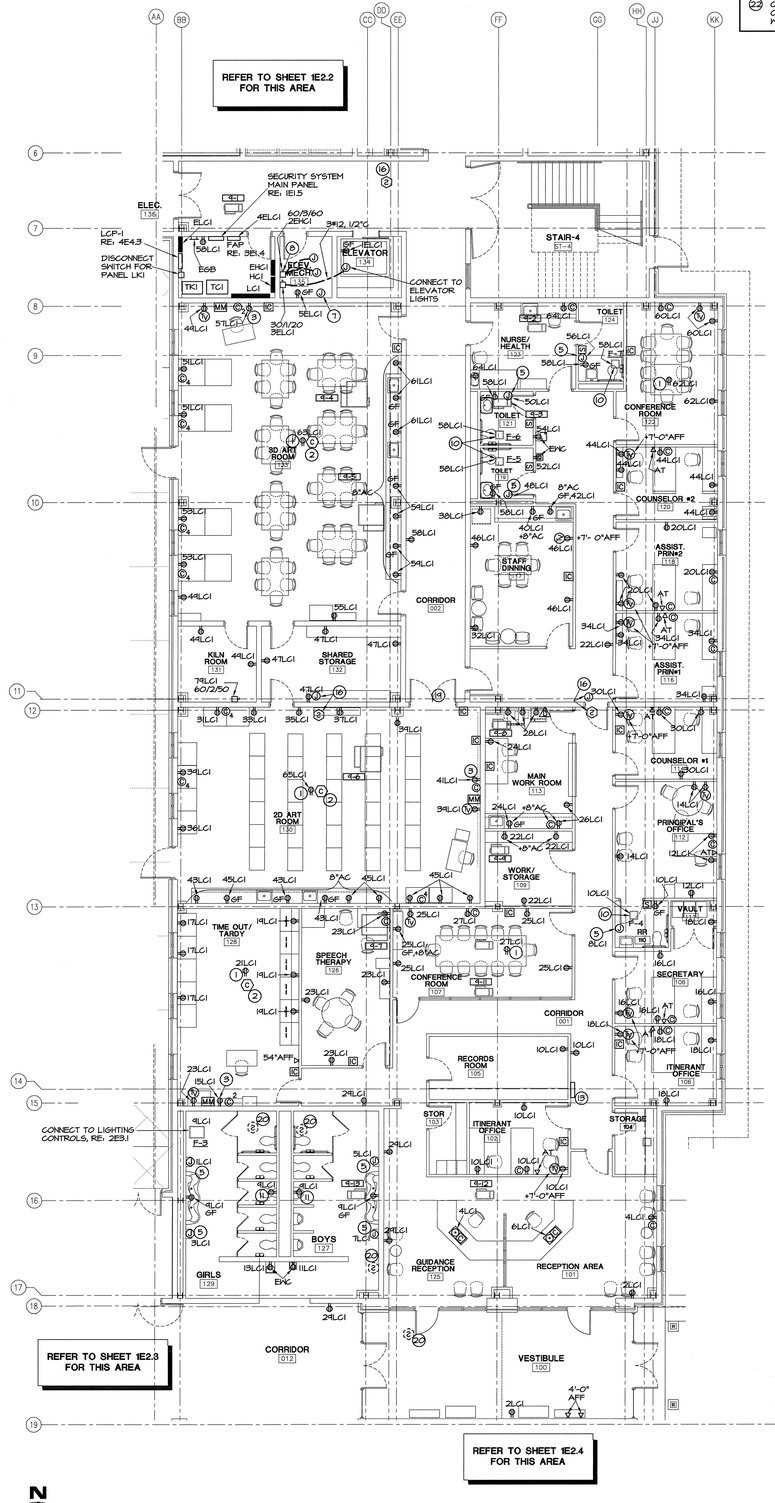
PROJECT

1 PARTIAL 1ST FLOOR POWER PLAN - 6TH GRADE WING
SCALE: 1/8" = 1'-0"



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PROJECT

2 PARTIAL 1ST FLOOR POWER PLAN - ADMINISTRATION WING
SCALE: 1/8" = 1'-0"

KEYNOTES CONTINUED

(21) CONNECT SUPPLY DUCT SMOKE DAMPERS TO CIRCUIT 10SLB1. DAMPERS SHALL BE CONTROLLED BY SUPPLY SIDE DUCT DETECTOR AT AIR HANDLING UNIT. RE: 1M4.1 FOR NUMBER AND TYPE OF DAMPERS.

(22) CONTRACTOR SHALL SUPPLY OUTLET AND DEVICE BOXES TO MILLWORK CONTRACTOR TO BE INSTALLED IN TEACHER'S DESK. COORDINATE ROUTING WITH MILLWORK CONTRACTOR.

5 KEYNOTES

(1) PROVIDE 1-1/2" CONDUIT FROM MULTIMEDIA BOX AND RECEPTACLE ABOVE CEILING FOR FUTURE PROJECTOR.

(2) MOUNT DATA OUTLET ABOVE CEILING ADJACENT TO RECEPTACLE (RE: KEYNOTE 1) FOR FUTURE WIRELESS NETWORK.

(3) RECEPTACLE ON DEDICATED CIRCUIT NUMBER FOR PRINTER AND TEACHER'S COMPUTER.

(4) CONNECT PUSH BUTTON USING 2#12 IN CONDUIT TO SHUNT TRIPS FOR CIRCUIT BREAKERS SERVING RECEPTACLE CIRCUITS IN SAME ROOM SUCH THAT WHEN BUTTON IS PUSHED, ALL RECEPTACLES IN ROOM ARE DE-ENERGIZED. USE CIRCUIT 1O2LB1 FOR POWER OF SHUNT TRIP OPERATION.

(5) CONNECT HAND DRYER.

(6) PROVIDE PULL BOX ABOVE CEILING AT RISER OUT OF WALL IN CONDUIT FROM MULTIMEDIA BOX TO PROJECTOR.

(7) PROVIDE ONE TELEPHONE CABLE, AS SPECIFIED, TO DATA ROOM 621. ROUTE TO JUNCTION BOX AND PROVIDE 10'-0" OF SLACK CABLE FOR CONNECTION BY ELEVATOR SUPPLIER.

(8) PROVIDE NORMALLY CLOSED AUXILIARY CONTACT ON DISCONNECT SWITCH FOR HYDRAULIC UNIT. PROVIDE 2#12 IN 1/2" CONDUIT TO HYDRAULIC UNIT. COORDINATE WITH ELEVATOR SUPPLIER.

(9) PROVIDE AUDIO FEED FROM INTERCOM MAIN TO DINING AREA PA SYSTEM AMPLIFIER, RE: 2E1.4.

(10) CONNECT EXHAUST FAN AND ASSOCIATED SWITCH. COORDINATE WITH MECHANICAL.

(11) MOUNT RECEPTACLE ABOVE CEILING FOR FLUSH VALVE OPERATIONS. PROVIDE ACCESS PANEL. PROVIDE SWITCH IN BOX ADJACENT TO RECEPTACLES. CONNECT SWITCH TO ISOLATE RECEPTACLE FROM CIRCUIT.

(12) PROVIDE FOUR 4" EMPTY CONDUITS FROM ABOVE CEILING IN CORRIDOR TO 8'-0" AFF IN DATA ROOM. ROUTE ONE TO SOUTHEAST CORNER OF ROOM THEN STUB DOWN.

(13) SECURITY SYSTEM REMOTE PANEL, RE: 1E1.5.

(14) ROUTE CONDUIT FOR RF OUTLET AND DATA OUTLET UNDERGROUND TO DATA ROOM 621 AND STUB UP. PROVIDE CABLE RATED FOR UNDERGROUND INSTALLATION.

(15) PROVIDE CIRCUIT 10SLB1 TO SMOKE DAMPERS AND CONNECT. PROVIDE SMOKE DETECTOR ABOVE CEILING AT SMOKE DAMPER WITH REMOTE ALARM LIGHT MOUNTED ON CEILING BELOW. CONNECT SUCH THAT SMOKE DAMPER IS SHUT WHEN ASSOCIATED SMOKE DETECTOR GOES INTO ALARM.

(16) PROVIDE CIRCUIT 9LCI TO SMOKE DAMPERS AND CONNECT. PROVIDE SMOKE DETECTOR ABOVE CEILING AT SMOKE DAMPER WITH REMOTE ALARM LIGHT MOUNTED ON CEILING BELOW. CONNECT SUCH THAT SMOKE DAMPER IS SHUT WHEN ASSOCIATED SMOKE DETECTOR GOES INTO ALARM.

(17) PROVIDE DUCT MOUNTED DETECTOR IN RETURN AIR DUCT. CONNECT SUCH THAT DAMPER IS SHUT WHEN DETECTOR IS IN ALARM. PROVIDE ACCESS PANEL AND CEILING MOUNTED REMOTE ALARM LIGHT.

(18) CONNECT SMOKE DAMPERS TO CIRCUIT 10SLB1. DAMPERS IN SUPPLY DUCT SHALL BE CONTROLLED BY SUPPLY SIDE DUCT DETECTOR AT AIR HANDLING UNIT. RE: 1M4.1 FOR NUMBER AND TYPE OF DAMPERS.

(19) CONNECT SUPPLY DUCT SMOKE DAMPERS TO CIRCUIT 9LCI. DAMPERS SHALL BE CONTROLLED BY SUPPLY SIDE DUCT DETECTOR AT AIR HANDLING UNIT. RE: 2M4.1 FOR NUMBER AND TYPE OF DAMPERS.

(20) PROVIDE DUCT MOUNTED DETECTORS IN RETURN AIR DUCTS. PROVIDE ACCESS PANEL AND CEILING MOUNTED REMOTE ALARM LIGHT. CONNECT SUPPLY AND RETURN SMOKE DAMPERS TO CIRCUIT 9LCI. RETURN AIR SMOKE DAMPERS SHALL BE CONTROLLED BY DETECTORS IN ASSOCIATED DUCT. SUPPLY AIR SMOKE DAMPERS SHALL BE CONTROLLED BY SUPPLY DUCT DETECTOR AT AIR HANDLING UNIT. RE: 2M4.1 FOR LOCATIONS AND TYPES.

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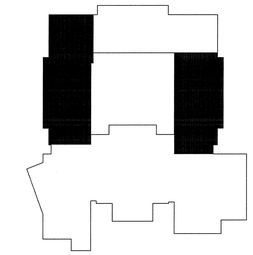
KEY PLAN



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PARTIAL 1ST FLOOR POWER PLANS

STATE OF LOUISIANA — DAVID ASSAF, III — License No. 22 16190 — PROFESSIONAL ENGINEER — IN MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
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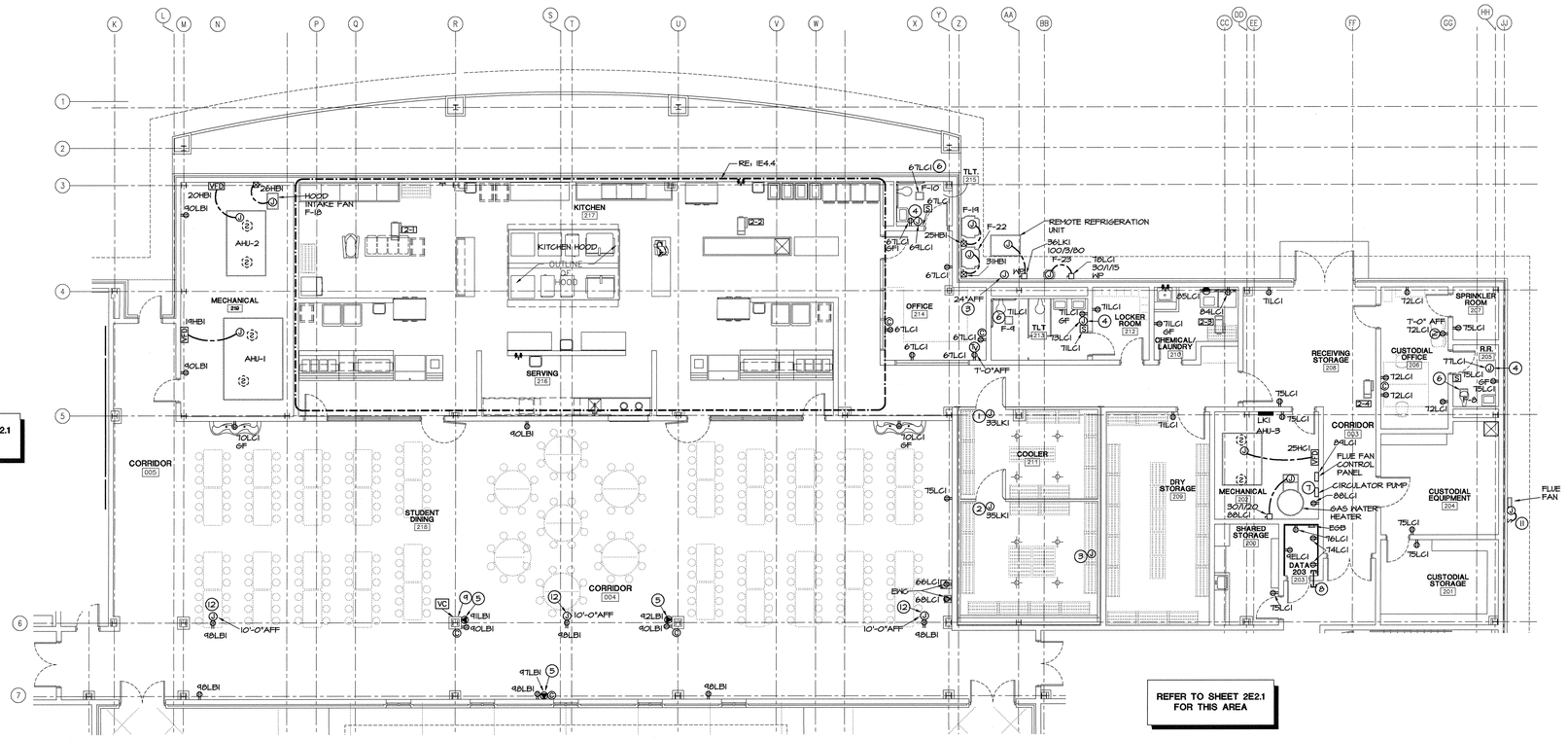

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PROJECT

1 PARTIAL 1ST FLOOR POWER PLAN - CAFETERIA WING

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

2 KEYNOTES

1. CONNECT FAN COIL UNIT, LIGHTS AND DOOR HEATER FOR WALK-IN COOLER TO CIRCUIT INDICATED. RE: KEYNOTE 10.
2. CONNECT LIGHTS, DOOR HEATER AND PRESSURE RELIEF PORT FOR WALK-IN FREEZER. RE: KEYNOTE 10.
3. PROVIDE #10, 1#10G FROM CIRCUIT BREAKER IN REMOTE REFRIGERATION UNIT TO FAN COIL UNIT AND DRAIN LINE HEATER. PROVIDE #12A CONTROL CONDUCTORS FROM REMOTE REFRIGERATION UNIT TO FAN COIL UNIT AND DRAIN LINE HEATER. ROUTE POWER AND CONTROL CONDUCTORS IN 3/4" CONDUIT. RE: KEYNOTE 10.
4. CONNECT HAND DRYER.
5. PROVIDE 20A, 3 POLE, 4 WIRE RECEPTACLE TO MATCH PLUG ON MOBILE FOOD CART. COORDINATE WITH EQUIPMENT SUPPLIER.
6. CONNECT EXHAUST FAN AND ASSOCIATED SWITCH. COORDINATE WITH MECHANICAL.
7. PROVIDE UL LISTED PLUG AND CORD CONNECTIONS.
8. PROVIDE 4-4" EMPTY CONDUITS FROM ABOVE CEILING IN CORRIDOR TO 8'-0"AFF IN DATA ROOM. ROUTE ONE TO RF EQUIPMENT THEN STUB DOWN. RE: RF-1.
9. PROVIDE SINGLE GANG RECESSED BOX WITH 1" EC TO ABOVE ACCESSIBLE CEILING CONDUIT SHALL BE BENT/INSTALLED WITH 0'-6" MINIMUM PARALLEL WITH CEILING PLANE. BOX SHALL BE AT 18"AFF.
10. SEE ELECTRICAL ROUGH-IN NOTES ON FS-4 FOR KITCHEN AND COOLER/FREEZE EQUIPMENT INSTALLATION.
11. PROVIDE MOTOR RATED TOGGLE SWITCH IN WEATHERPROOF BOX AND COVER. CONNECT TO FLUE FAN AND FLUE FAN CONTROL PANEL USING 3#12 IN 1/2" CONDUIT. MOUNT SWITCH ADJACENT TO FAN.
12. PROVIDE RECESSED 3-GANG BOX WITH 2-GANG PLASTER RING AND 1" CONDUIT TO ABOVE ACCESSIBLE CEILING. SEE RF DRAWINGS FOR CABLE AND CONNECTOR REQUIREMENTS.

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PARTIAL 1ST FLOOR POWER PLAN

STATE OF LOUISIANA
DAVID ASSAF, III
LICENSE NO. 16190
PROFESSIONAL ENGINEER IN
MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
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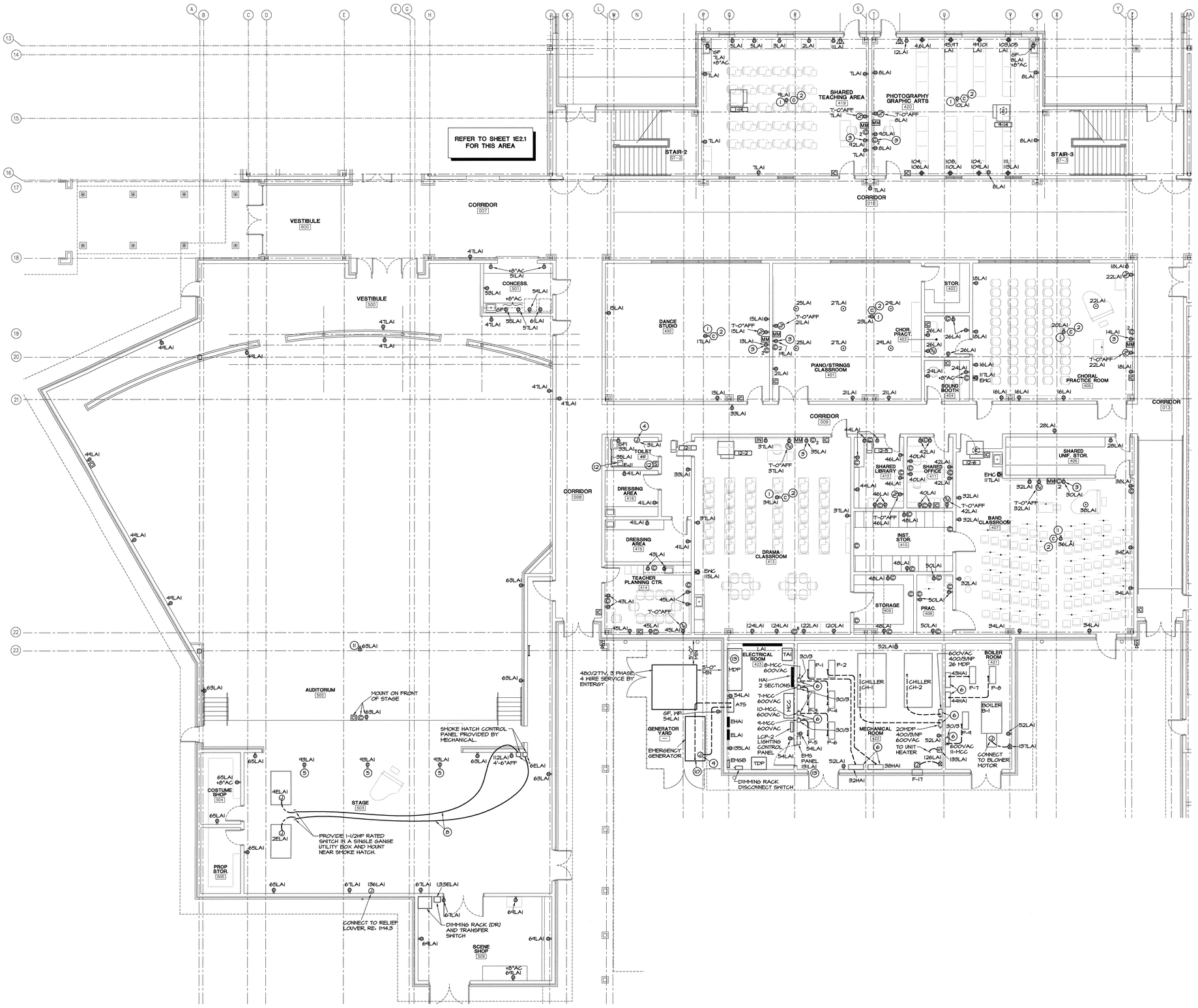

1 PARTIAL 1ST FLOOR POWER PLAN - PERFORMING ART WING

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

2 KEYNOTES

1. PROVIDE 1-1/2" CONDUIT FROM MULTIMEDIA BOX AND RECEPTACLE ABOVE CEILING FOR FUTURE PROJECTOR.
2. MOUNT DATA OUTLET ABOVE CEILING ADJACENT TO RECEPTACLE. (RE: KEYNOTE 1) FOR FUTURE WIRELESS NETWORK.
3. RECEPTACLE ON DEDICATED CIRCUIT FOR PRINTER AND TEACHER'S COMPUTER.
4. CONNECT HAND DRYER.
5. PROVIDE DUPLEX RECEPTACLE AND DATA OUTLET IN FLOOR BOX, RE: 1552.1 AND 6652.3. ROUTE DATA CABLES THROUGH 1C-JB1 AND CONDUITS FOR MICROPHONE CABLES.
6. ROUTE CONDUIT FROM DISCONNECT SWITCH OR VFD TO EQUIPMENT IN OR UNDER SLAB. STUB UP AT EQUIPMENT AS NEAR AS POSSIBLE WITHOUT INTERFERING WITH EQUIPMENT ACCESS AND OPERATION AND CONNECT USING FLEXIBLE CONDUIT. COORDINATE OPTIMUM STUB-UP LOCATION WITH MECHANICAL CONTRACTOR AND EQUIPMENT SUPPLIER.
7. COORDINATE FINAL BREAKER SIZE WITH EQUIPMENT SUPPLIER.
8. ROUTE CONDUIT IN WALL AS HIGH AS POSSIBLE AND ROUTE CONDUIT EXPOSED IN CEILING JOISTS TO MOTORS.
9. ROUTE CONDUIT UNDERGROUND TO GENERATOR AND STUB UP 6". ROUTE CIRCUIT 128LA1 TO BATTERY CHARGER, 130LA1 TO HEATER AND 144LA1 TO LIGHTING FIXTURES..
10. PROVIDE 1" EG UNDERGROUND FROM AUTOMATIC TRANSFER SWITCH TO GENERATOR. ROUTE CONTROL WIRING IN THIS CONDUIT.
11. MOUNT RECEPTACLE AT CATWALK. 18" ABOVE CATWALK FLOORING. SUPPORT FROM STRUCTURE.
12. CONNECT EXHAUST FAN AND ASSOCIATED SWITCH. COORDINATE WITH MECHANICAL.
13. PROVIDE 1" EG FROM INCOMING SECTION OF MDP TO EMS PANEL.

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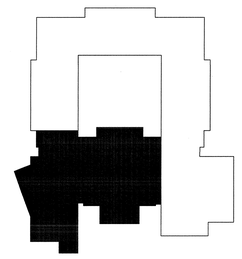
KEY PLAN



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PARTIAL 1ST FLOOR POWER PLAN

STATE OF LOUISIANA — DAVID ASSAF, III — LICENSE NO. 16960 — PROFESSIONAL ENGINEER IN MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
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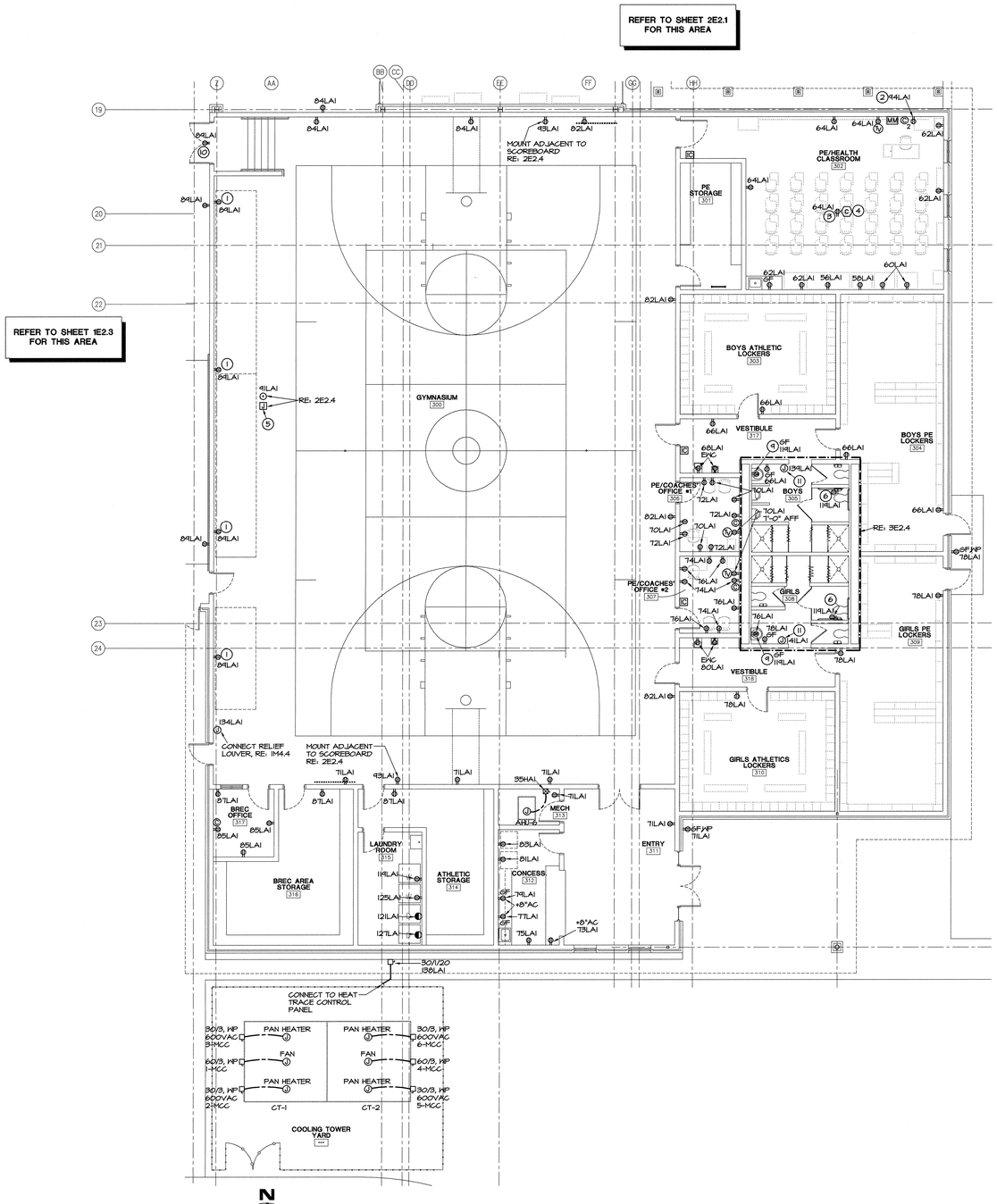
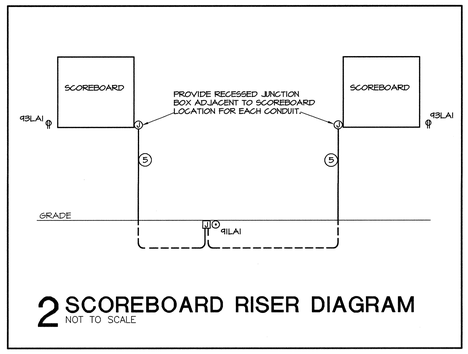
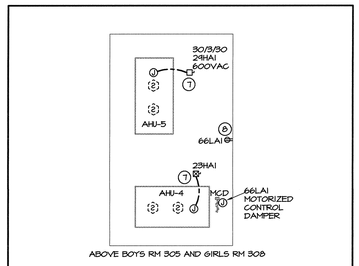


1 PARTIAL 1ST FLOOR POWER PLAN - GYMNASIUM WING
SCALE: 1/8" = 1'-0"



2 SCOREBOARD RISER DIAGRAM
NOT TO SCALE



3 MECHANICAL PLATFORM
NOT TO SCALE
RE: ARCHITECTURAL DRAWINGS

4 KEYNOTES

1. MOUNT 18" ABOVE TOP ROW OF BLEACHERS.
2. RECEPTACLE ON DEDICATED CIRCUIT NUMBER FOR PRINTER AND TEACHER'S COMPUTER.
3. PROVIDED 1-1/2" CONDUIT FROM MULTIMEDIA BOX AND RECEPTACLE ABOVE CEILING FOR FUTURE PROJECTOR.
4. MOUNT DATA OUTLET ABOVE CEILING ADJACENT TO RECEPTACLE (RE: KEYNOTE 3) FOR FUTURE WIRELESS NETWORK.
5. ROUTE 1" CONDUIT FROM FLOOR MOUNTED JUNCTION BOX TO EACH SCOREBOARD LOCATION. RE: 2E2.4.
6. MOUNT RECEPTACLE ABOVE CEILING FOR FLUSH VALVE OPERATION. PROVIDE ACCESS PANEL. PROVIDE SWITCH IN BOX ADJACENT TO RECEPTACLE. CONNECT SWITCH TO ISOLATE RECEPTACLE FROM CIRCUIT.
7. MOUNT COMBINATION STARTER AND DISCONNECT SWITCH ON MEZZANINE. PROVIDE SUPPORT FROM STRUCTURE.
8. SUPPORT RECEPTACLE FROM STRUCTURE.
9. MOUNT BEHIND PANEL OF LAVATORY.
10. PROVIDE RECEPTACLE ABOVE CEILING FOR DOOR LOCK POWER SUPPLY. PROVIDE RELAY ADJACENT TO RECEPTACLE. ROUTE CIRCUIT TO RECEPTACLE THROUGH CONTACTS ON RELAY AND CONNECT RELAY CONTROLS TO FIRE ALARM SYSTEM SUCH THAT WHEN THE SYSTEM IS IN ALARM, THE DOOR LOCK IS DE-ENERGIZED AND THE DOOR CAN OPEN.

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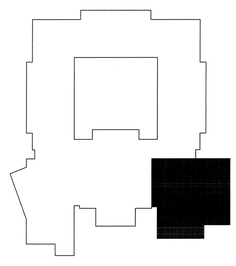
KEY PLAN



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PARTIAL 1ST FLOOR POWER PLAN

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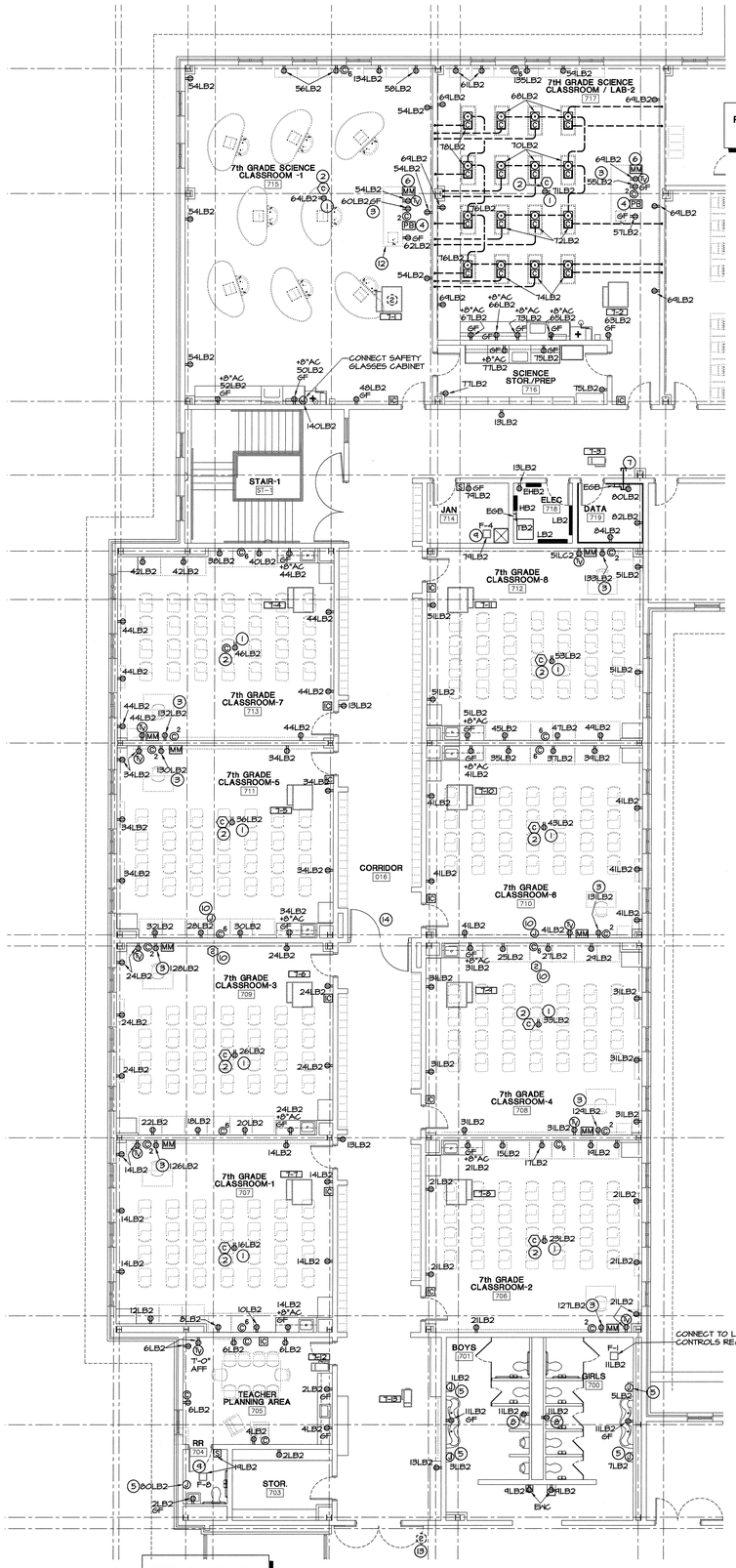

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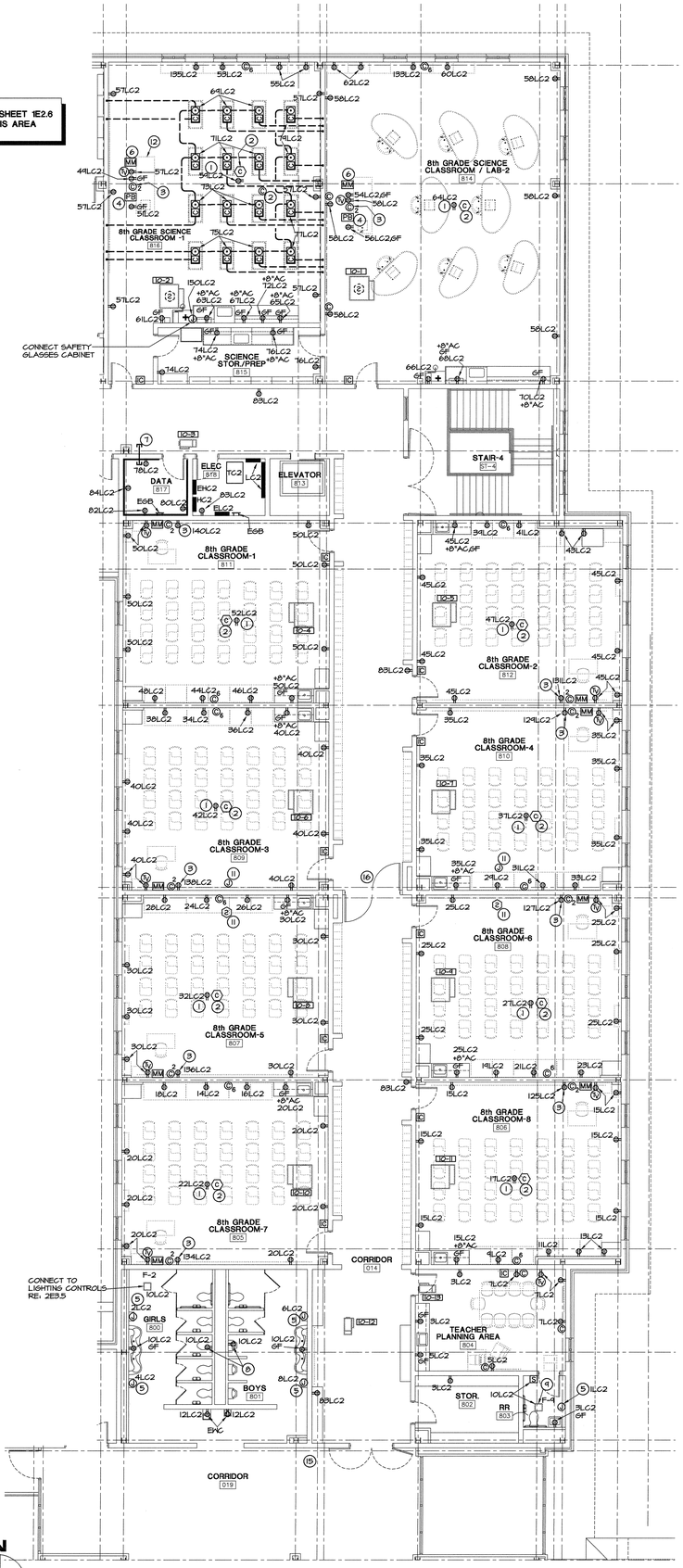
PROJECT

1 PARTIAL 2ND FLOOR POWER PLAN - 7TH GRADE WING
SCALE: 1/8" = 1'-0"



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PROJECT

2 PARTIAL 2ND FLOOR POWER PLAN - 8TH GRADE WING
SCALE: 1/8" = 1'-0"

3 KEYNOTES

1. PROVIDE 1-1/2" CONDUIT FROM MULTIMEDIA BOX AND RECEPTACLE ABOVE CEILING FOR FUTURE PROJECTOR.
2. MOUNT DATA OUTLET ABOVE CEILING ADJACENT TO RECEPTACLE (RE: KEYNOTE 1) FOR FUTURE WIRELESS NETWORK.
3. RECEPTACLE ON DEDICATED CIRCUIT FOR PRINTER AND TEACHER'S COMPUTER.
4. CONNECT PUSHBUTTON USING 2#12 CONDUCTORS IN CONDUIT TO SHUNT TRIPS FOR CIRCUIT BREAKERS SERVING RECEPTACLE CIRCUITS IN SAME ROOM SUCH THAT WHEN BUTTON IS PUSHED, ALL RECEPTACLES IN ROOM ARE DE-ENERGIZED. USE CIRCUIT 139LB2 FOR POWER OF SHUNT TRIP OPERATION IN ROOMS 7TH GRADE SCIENCE CLASSROOM/LAB-2 717. USE CIRCUIT 148LC2 FOR POWER OF SHUNT TRIP OPERATION IN ROOMS 8TH GRADE SCIENCE CLASSROOM/LAB-2 814 AND 8TH GRADE SCIENCE CLASSROOM-1 816.
5. CONNECT HAND DRYER.
6. PROVIDE PULLBOX ABOVE CEILING AT RISER OUT OF WALL IN CONDUIT FROM MULTIMEDIA BOX TO PROJECTOR.
7. PROVIDE 4"-4" EMPTY CONDUITS FROM ABOVE CORRIDOR CEILING TO 8'-0" AFF IN DATA ROOM. ROUTE ONE TO RF EQUIPMENT, THEN STUB DOWN TO 8'-0" AFF. SEE RF DRAWINGS FOR LOCATION.
8. MOUNT RECEPTACLE ABOVE CEILING FOR FLUSH VALVE OPERATIONS. PROVIDE ACCESS PANEL. PROVIDE SWITCH IN BOX ADJACENT TO RECEPTACLES. CONNECT SWITCH TO ISOLATE RECEPTACLE FROM CIRCUIT.
9. CONNECT EXHAUST FAN AND ASSOCIATED SWITCH. COORDINATE WITH MECHANICAL.
10. PROVIDE CIRCUIT 139LB2 TO SMOKE DAMPERS AND CONNECT. PROVIDE SMOKE DETECTOR ABOVE CEILING AT SMOKE DAMPER WITH REMOTE ALARM LIGHT MOUNTED ON CEILING BELOW. CONNECT SUCH THAT SMOKE DAMPER IS SHUT WHEN ASSOCIATED SMOKE DETECTOR GOES INTO ALARM.
11. PROVIDE CIRCUIT 147LC2 TO SMOKE DAMPERS AND CONNECT. PROVIDE SMOKE DETECTOR ABOVE CEILING AT SMOKE DAMPER WITH REMOTE ALARM LIGHT MOUNTED ON CEILING BELOW. CONNECT SUCH THAT SMOKE DAMPER IS SHUT WHEN ASSOCIATED SMOKE DETECTOR GOES INTO ALARM.
12. CONTRACTOR SHALL SUPPLY OUTLET AND DEVICE BOXES TO MILLWORK CONTRACTOR TO BE INSTALLED IN TEACHER'S DESK. COORDINATE ROUTING TO BOXES WITH MILLWORK CONTRACTOR.
13. PROVIDE DUCT MOUNTED DETECTOR IN RETURN AIR DUCT. CONNECT SUPPLY AND RETURN SMOKE DAMPERS TO CIRCUIT 141LB2. RETURN AIR SMOKE DAMPERS SHALL BE CONTROLLED BY DETECTORS IN ASSOCIATED DUCT. SUPPLY AIR SMOKE DAMPERS SHALL BE CONTROLLED BY SUPPLY SIDE DUCT DETECTOR AT AIR HANDLING UNIT. RE: 1M4.5 FOR LOCATIONS AND TYPES.
14. CONNECT SMOKE DAMPER TO CIRCUIT 139LB2. DAMPER IN SUPPLY DUCT SHALL BE CONTROLLED BY SUPPLY SIDE DUCT DETECTOR AT AIR HANDLING UNIT. RE: 1M4.5 FOR LOCATION.
15. CONNECT SUPPLY DUCT SMOKE DETECTORS TO CIRCUIT 149LC2. DAMPERS SHALL BE CONTROLLED BY SUPPLY SIDE DUCT DETECTOR AT AIR HANDLING UNIT. RE: 2M4.5 FOR NUMBER AND LOCATIONS OF DAMPERS.
16. CONNECT SMOKE DAMPER TO CIRCUIT 147LC2. DAMPER IN SUPPLY DUCT SHALL BE CONTROLLED BY SUPPLY SIDE DUCT DETECTOR AT AIR HANDLING UNIT. RE: 1M4.5 FOR LOCATION.

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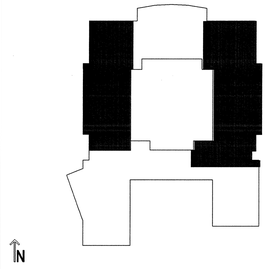
KEY PLAN



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PARTIAL 2ND FLOOR POWER PLANS

STATE OF LOUISIANA
DAVID ASSAF, III
License No. 16190
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO.. E2.5
DRAWN BY PLM	
CHECKED BY AKG	
DATE October 15, 2004	OF

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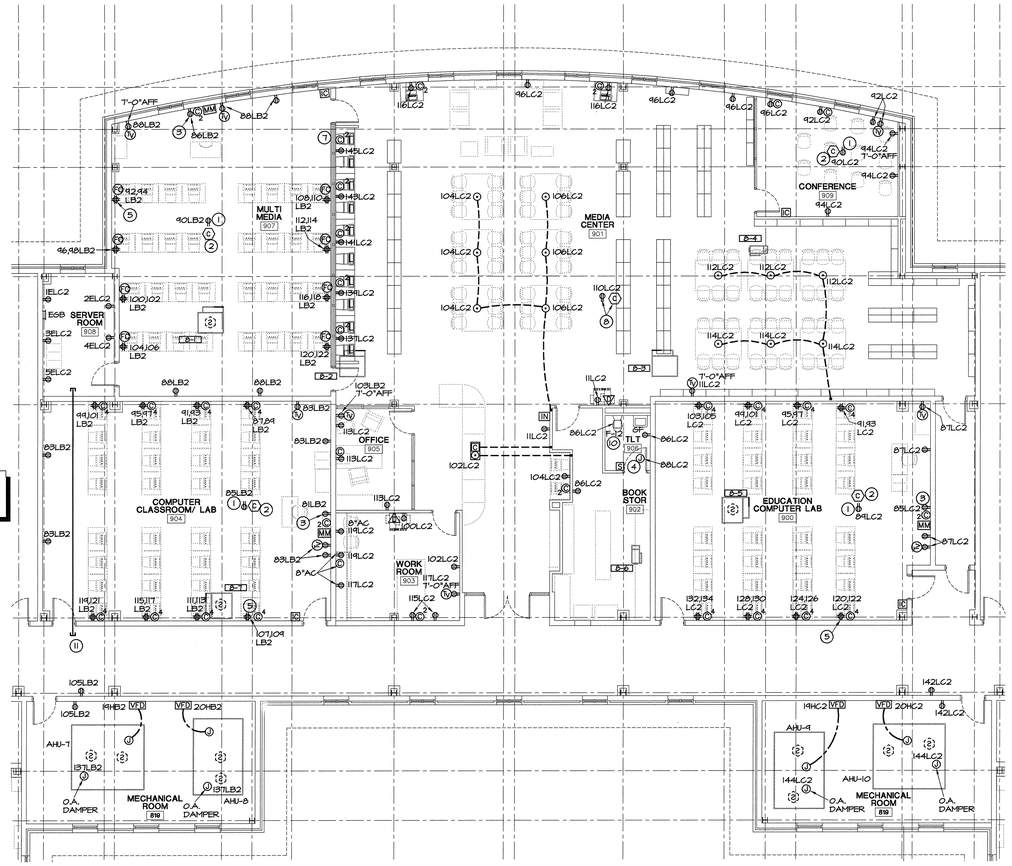

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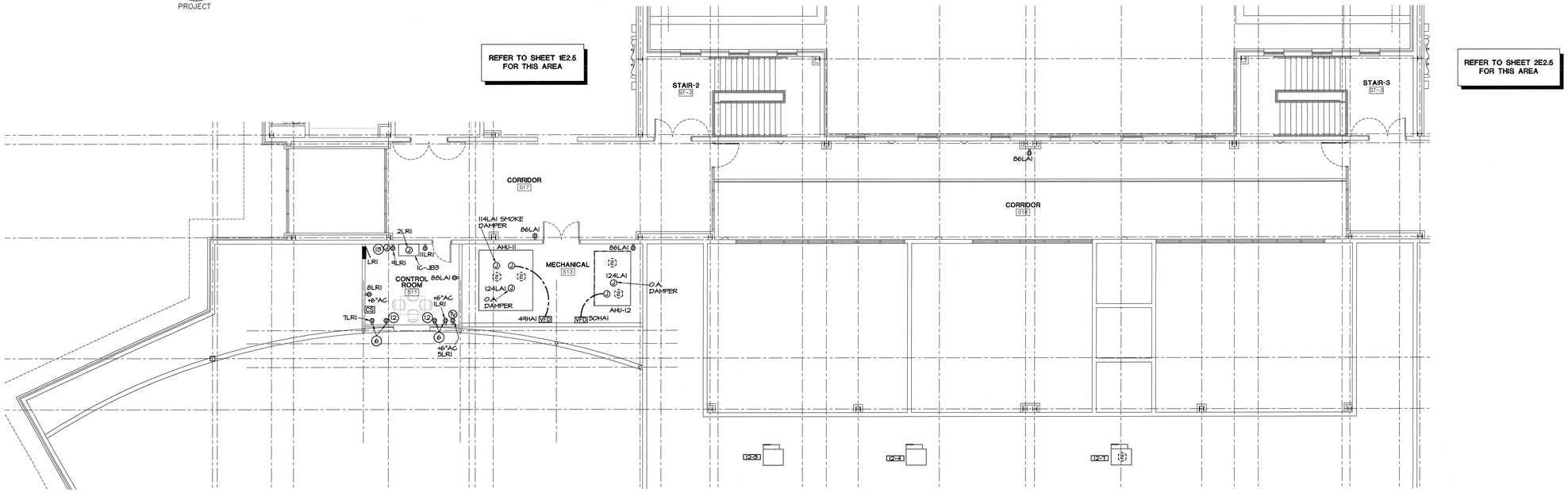
PROJECT

1 PARTIAL 2ND FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"



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PROJECT

2 PARTIAL 2ND FLOOR POWER PLAN
SCALE: 1/8" = 1'-0"

3 KEYNOTES

1. PROVIDE 1-1/2" CONDUIT FROM MULTIMEDIA BOX AND RECEPTACLE ABOVE CEILING FOR FUTURE PROJECTOR.
2. MOUNT DATA OUTLET ABOVE CEILING ADJACENT TO RECEPTACLE. (RE: KEYNOTE 1) FOR FUTURE WIRELESS NETWORK.
3. RECEPTACLE ON DEDICATED CIRCUIT FOR PRINTER AND TEACHER'S COMPUTER.
4. CONNECT HAND DRYER.
5. AT DOUBLE DUPLEX (QUAD) RECEPTACLES, CONNECT ONE DUPLEX TO ONE OF THE CIRCUITS INDICATED AND THE SECOND DUPLEX TO THE OTHER CIRCUIT INDICATED (TYPICAL IN EDUCATION COMPUTER LAB ROOM 900, COMPUTER CLASSROOM/LAB ROOM 904 AND MULTI MEDIA ROOM 907).
6. RE: 6652.2 FOR LOCATION AT WALL BETWEEN CONTROL ROOM AND AUDITORIUM.
7. ROUTE POWER CONDUIT THROUGH SLAB TO NEAREST CMU WALL THEN UP TO ABOVE CEILING. ROUTE NETWORK CONDUIT THROUGH SLAB TO SERVER ROOM AND STUB-UP. CONSOLIDATE CONDUIT RUNS AS MUCH AS POSSIBLE.
8. MOUNT RECEPTACLE AND DATA OUTLET ABOVE CEILING FOR FUTURE WIRELESS NETWORK.
9. MOUNT RECEPTACLE ABOVE CEILING FOR FLUSH VALVE OPERATIONS. PROVIDE ACCESS PANEL.
10. CONNECT EXHAUST FAN AND ASSOCIATED SWITCH. COORDINATE WITH MECHANICAL.
11. PROVIDE 2"-4" EMPTY CONDUITS FROM ABOVE CEILING IN CORRIDOR TO 8'-0" AFF IN SERVER ROOM. ROUTE ABOVE CEILING OF COMPUTER CLASSROOM/LAB.
12. PROVIDE RECEPTACLES IN MILLWORK AS NOTED, RE: 655-2. CONNECT RECEPTACLES TOGETHER USING 3/12 IN 1/2" CONDUIT. EXTEND CIRCUITING TO IC-JB3 AND LEAVE 5' OF SLACK FOR CONNECTION BY OTHERS.
13. PROVIDE WALL MOUNTED JUNCTION BOX. ROUTE CIRCUIT 3LR1 TO BOX AND LEAVE 5' OF SLACK CONDUCTORS FOR CONNECTION BY OTHERS.
14. PROVIDE 1" CONDUIT FROM IC-JB3 TO ABOVE THE CEILING IN CORRIDOR 017.
15. PROVIDE 1" CONDUIT FROM TV OUTLET TO ABOVE THE CEILING IN CORRIDOR 017.

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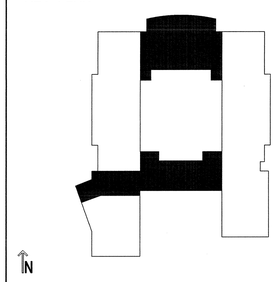

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PARTIAL 2ND FLOOR POWER PLANS

STATE OF LOUISIANA
DAVID ASSAF, III
LICENSE NO. 16960
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PROJECT NO. 03048	SHEET NO..
DRAWN BY EEM	E2.6
CHECKED BY AKG	OF
DATE October 15, 2004	

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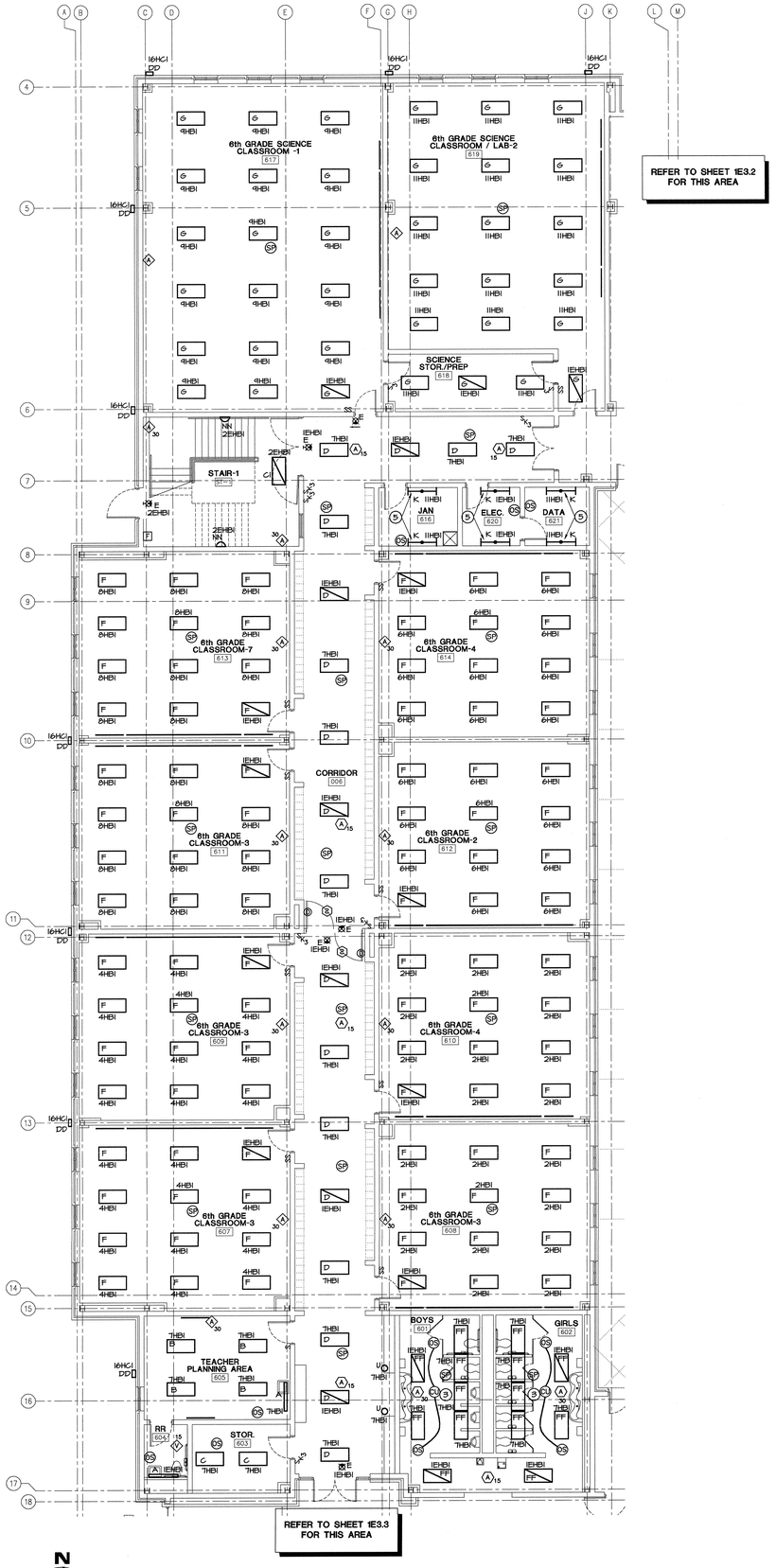

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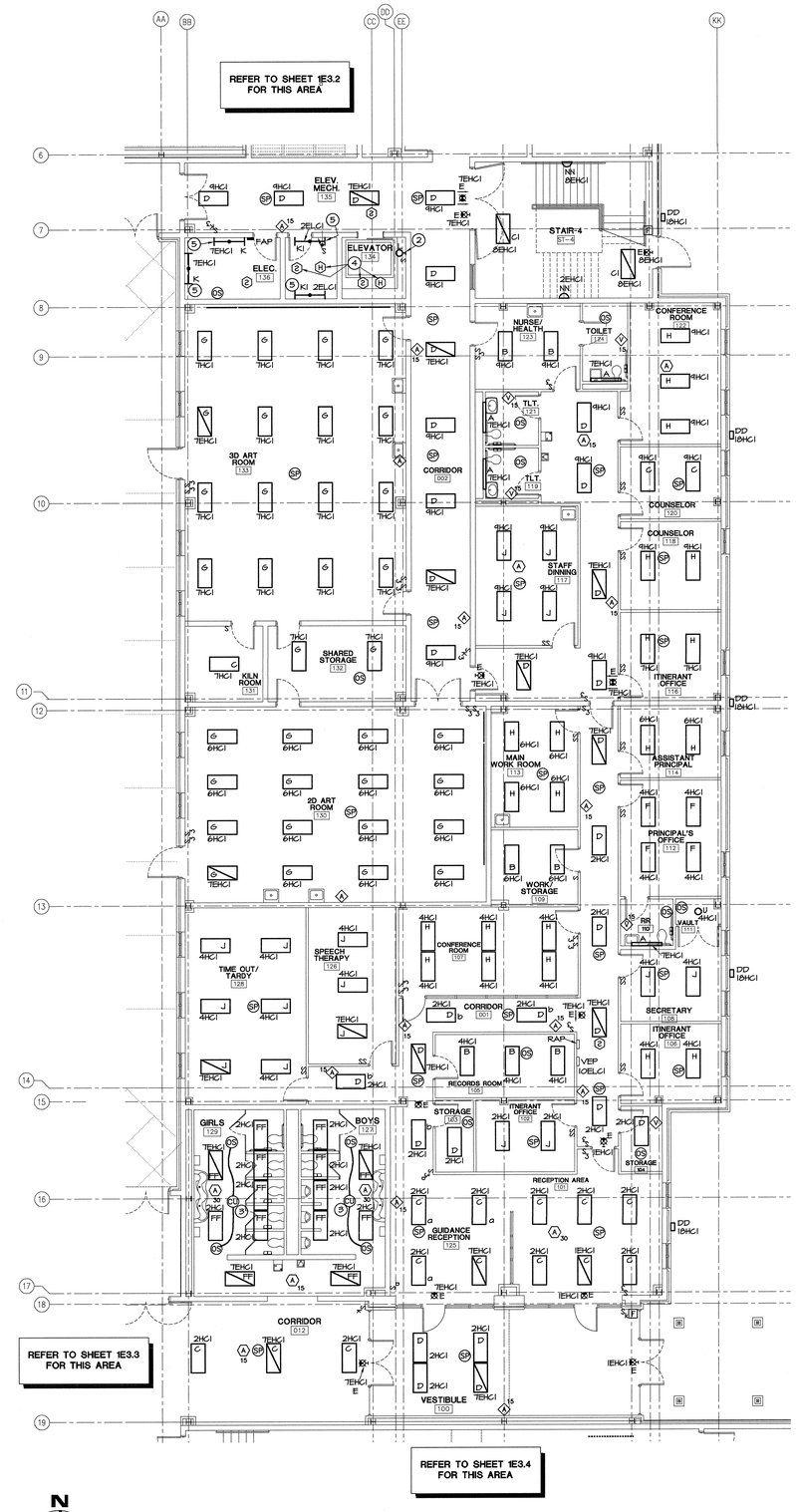
1 PARTIAL 1ST FLOOR LIGHTING PLAN - 6TH GRADE WING
SCALE: 1/8" = 1'-0"



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PROJECT

2 PARTIAL 1ST FLOOR LIGHTING PLAN - ADMINISTRATION WING
SCALE: 1/8" = 1'-0"

3 KEYNOTES

1. WALL MOUNT 7'-6" TO BOTTOM OF LUMINAIRE FROM TREAD DIRECTLY BELOW THE LUMINAIRE.
2. CONNECT TO CIRCUIT SERVING RECEPTACLE IN ELEVATOR PIT AHEAD OF GROUND FAULT INTERRUPTING DEVICE.
3. PROVIDE AUXILIARY CONTACTS OR SLAVE CONTROL UNIT. CONNECT IN PARALLEL WITH LIGHTING CONTROL OF ADJACENT RESTROOM AND TO LIGHTING CIRCUIT TO CONTROL EXHAUST FAN FOR RESTROOMS. MOUNT CONTROL UNIT(S) ADJACENT TO ACCESS PANEL REF. 3E2.1, KEYNOTE 11. CONNECT NORMAL POWER LIGHTING FIXTURES IN THIS ROOM THROUGH THE MAIN CONTROL UNIT.
4. MOUNT SMOKE DETECTOR AND HEAT DETECTOR ADJACENT TO SPRINKLER HEAD.
5. WALL MOUNT FIXTURES 7'-0" AFF . MOUNT ON STAND-OFFS 4" FROM WALL TO ALLOW ROUTING OF CONDUIT.

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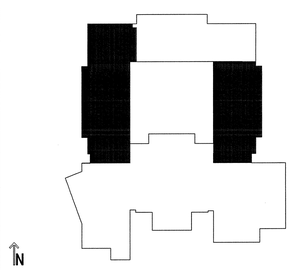
KEY PLAN



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PARTIAL 1ST FLOOR LIGHTING PLAN

STATE OF LOUISIANA — DAVID ASSAF, III — License No. 16190 — PROFESSIONAL ENGINEER IN ELECTRICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
DRAWN BY EEM	E3.1
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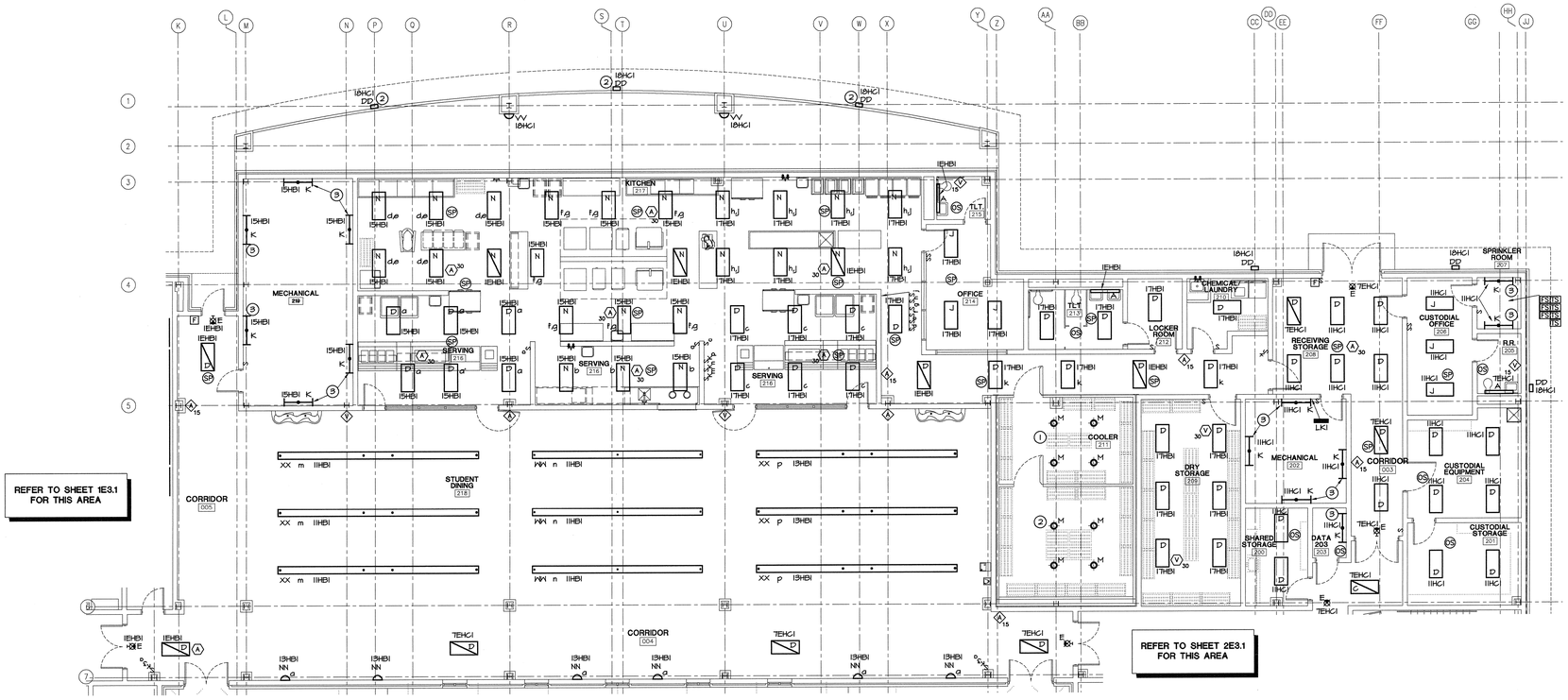

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PROJECT

1 PARTIAL 1ST FLOOR LIGHTING PLAN - CAFETERIA WING

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

0 4' 8' 16'

2 KEYNOTES

1. CONNECT COOLER/FREEZER LIGHTS. RE: KEYNOTE 1 SHEET E2.2.
2. CONNECT COOLER/FREEZER LIGHTS. RE: KEYNOTE 2 SHEET E2.2.
3. WALL MOUNT FIXTURES 7'-6" AFF. ADJUST LOCATION TO AVOID CONFLICT WITH MECHANICAL EQUIPMENT.

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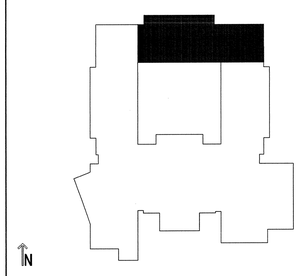

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PARTIAL 1ST FLOOR LIGHTING PLAN

STATE OF LOUISIANA
DAVID ASSAF, III
LICENSE NO. 16190
PROFESSIONAL ENGINEER
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MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO.	03048
DRAWN BY	EEM
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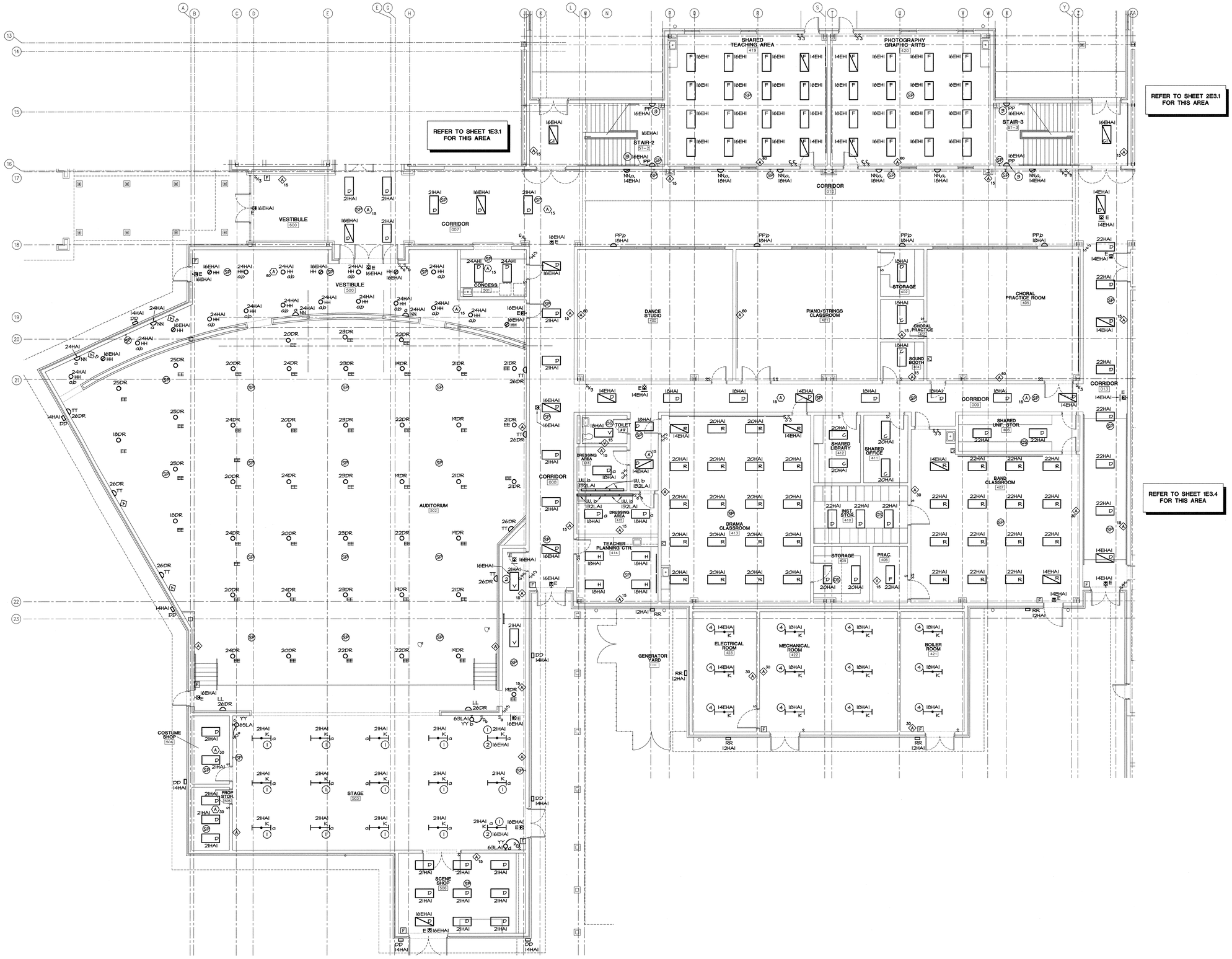

1 PARTIAL 1ST FLOOR LIGHTING PLAN - PERFORMING ART WING
SCALE: 1/8" = 1'-0"

2 KEYNOTES

1. CHAIN MOUNT FIXTURES 15'-0" AFF. ADJUST HEIGHT AND LOCATION TO AVOID CONFLICT WITH CURTAINS, CURTAIN SUPPORT ASSEMBLIES, LIGHTING, LIGHTING SUPPORT ASSEMBLIES AND CABLING.
2. SEE DETAIL 1 ON SHEET E4.3 FOR CONNECTION DIAGRAM FOR FIXTURES
3. WALL MOUNT 6'-8" AFF TO BOTTOM OF FIXTURE.
4. CHAIN MOUNT FIXTURES 8'-0" AFF. ADJUST HEIGHT TO AVOID CONFLICT WITH EQUIPMENT AND PIPING.

3 GENERAL NOTES

1. PROVIDE SEPARATE NEUTRAL CONDUCTOR FOR EACH CIRCUIT FROM DIMMING RACK (DR).
2. USE #10 CONDUCTORS FOR ALL CIRCUITS FROM DIMMING RACK.

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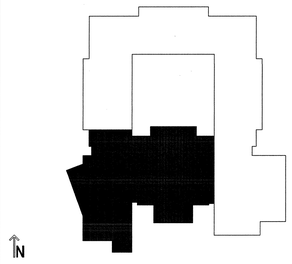

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PARTIAL 1ST FLOOR LIGHTING PLAN

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03048	E3.3
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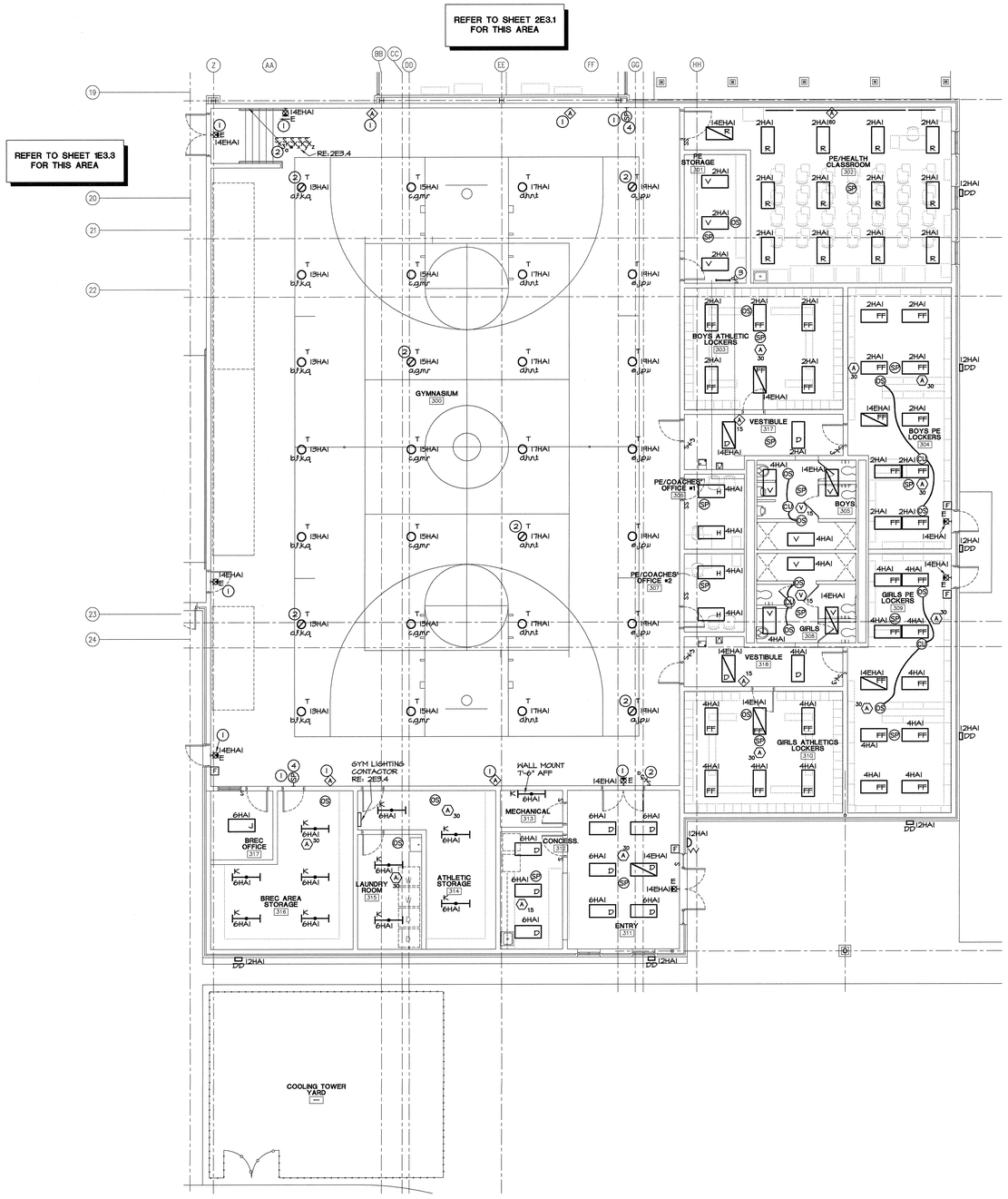

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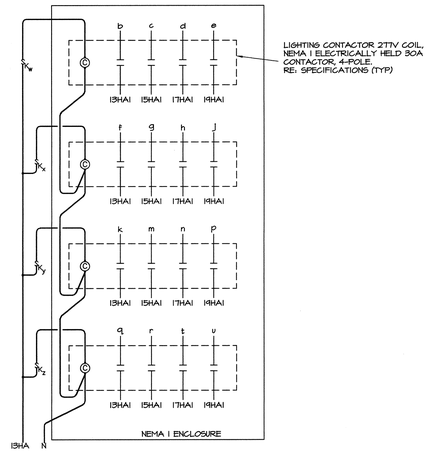
PROJECT

1 PARTIAL 1ST FLOOR LIGHTING PLAN - GYMNASIUM WING

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



2 GYM LIGHTING CONTACTOR DETAIL

NOT TO SCALE

3 KEYNOTES

1. PROVIDE WIREGUARD.
2. CONNECT ONE 2-LAMP BALLAST IN EACH FIXTURE NOTED TO CIRCUIT 13HAI AND CIRCUIT 14EHAI THROUGH EMERGENCY RELAY AS SHOWN ON DETAIL 1 SHEET E4.3. CIRCUIT 13HAI SHALL BE SWITCHED BY 3-WAY SWITCHES NOTED.
3. PROVIDE SWITCH WITH PILOT LIGHT ADJACENT TO LADDER FOR MECHANICAL PLATFORM. PROVIDE SIX TYPE "K" FIXTURES IN ATTIC SPACE. MOUNT TWO ON STRUCTURE EQUALLY SPACED ALONG WALKWAY. MOUNT TWO FROM STRUCTURE ONE ON EITHER SIDE OF AHU-4 AND MOUNT TWO FROM STRUCTURE ONE ON EITHER SIDE OF AHU-5. CONNECT FIXTURES TO SWITCH AND TO CIRCUIT 2HAI.
4. PROVIDE TRUMPET TYPE INTERCOM SPEAKER, MINIMUM 15 WATT.

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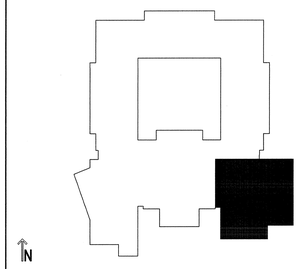

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NO.	DATE	REVISION/SUBMISSION
1	11/12/04	FIRE MARSHAL AND C.P. REVISIONS

McKINLEY MIDDLE MAGNET SCHOOL

1550 EDDIE ROBINSON SR. DRIVE
BATON ROUGE, LOUISIANA 70802

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Baton Rouge, Louisiana 70806 U.S.A.
tel 225.387.4414
fax 225.387.4693

PARTIAL 1ST FLOOR LIGHTING PLAN

STATE OF LOUISIANA
DAVID ASSAF, III
LICENSED AND REGISTERED PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO.. E3.4
DRAWN BY EEM	
CHECKED BY AKG	
DATE October 15, 2004	OF

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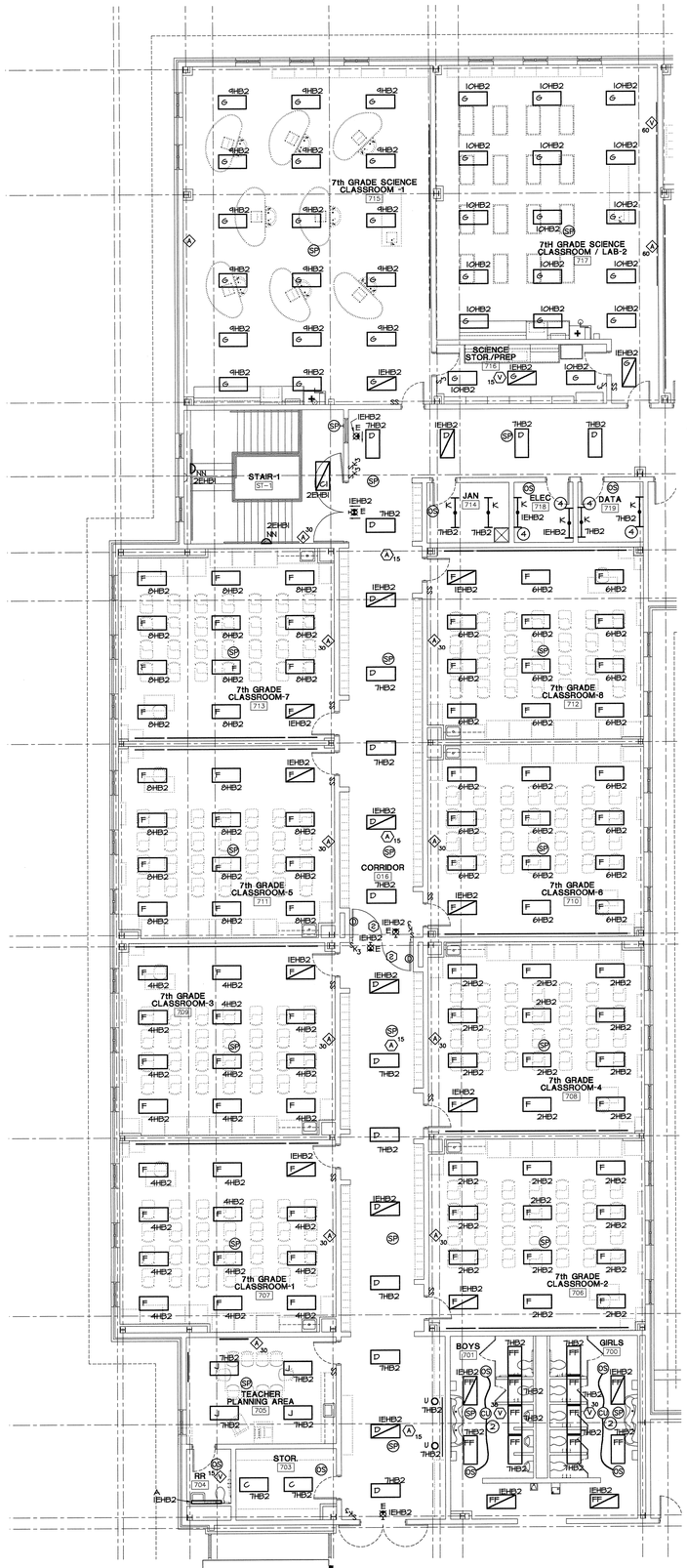

REFER TO SHEET 1E3.6 FOR THIS AREA

REFER TO SHEET 2E3.6 FOR THIS AREA

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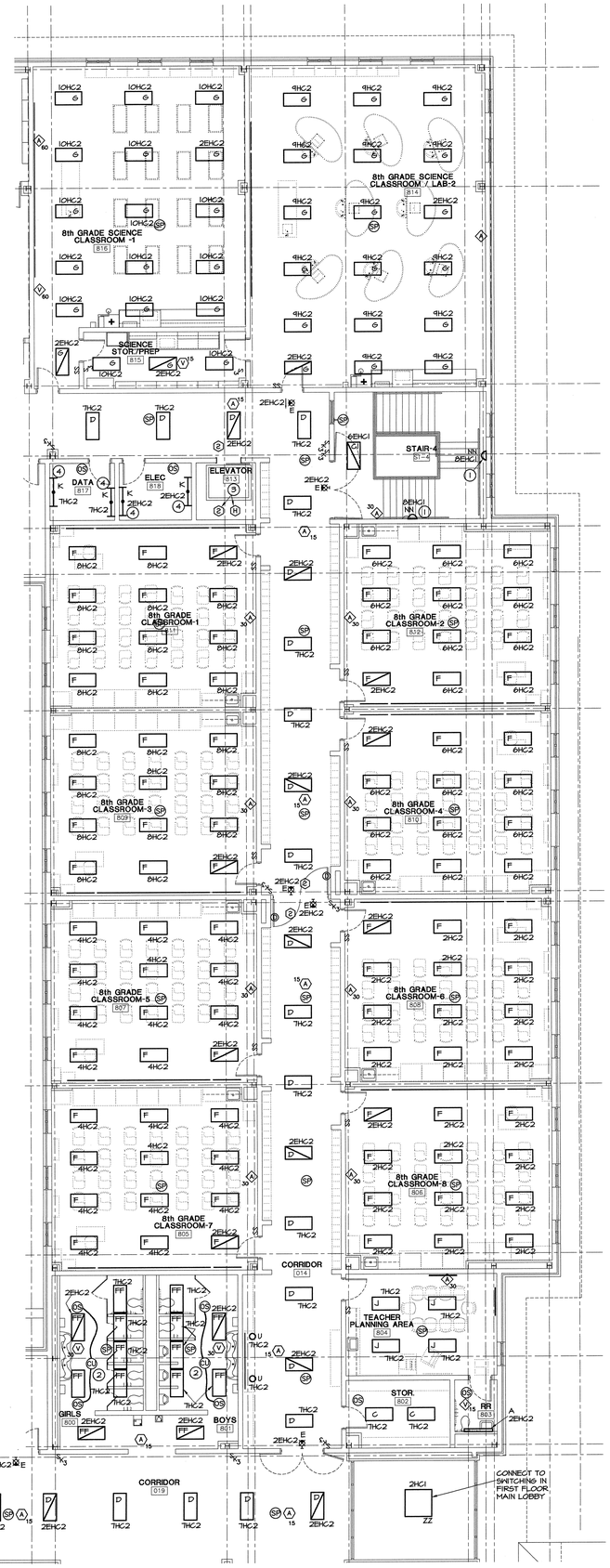
PROJECT

1 PARTIAL 2ND FLOOR LIGHTING PLAN - 7TH GRADE WING

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



REFER TO SHEET 1E3.6 FOR THIS AREA

REFER TO SHEET 2E3.6 FOR THIS AREA

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PROJECT

2 PARTIAL 2ND FLOOR LIGHTING PLAN - 8TH GRADE WING

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

3 KEYNOTE

1. WALL MOUNT 7'-8" TO BOTTOM OF LUMINAIRE FROM TREAD DIRECTLY BELOW THE LUMINAIRE.
2. PROVIDE AUXILIARY CONTACTS OR SLAVE CONTROL UNIT. CONNECT IN PARALLEL WITH LIGHTING CONTROL OF ADJACENT RESTROOM AND TO TO CONTROL EXHAUST FAN FOR RESTROOMS. MOUNT CONTROL UNIT(S) ADJACENT TO ACCESS PANEL. RE: 3E2.5 KEYNOTE 8. CONNECT NORMAL POWER LIGHTING FIXTURES IN THIS ROOM THROUGH MASTER CONTROL UNIT.
3. MOUNT SMOKE DETECTOR AND HEAT DETECTOR. ADJACENT TO SPRINKLER HEAD.
4. WALL MOUNT FIXTURES 7'-0"AFF. MOUNT ON STAND-OFFS 4" FROM WALL TO ALLOW ROUTING OF CONDUIT.

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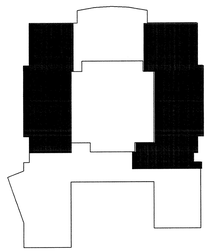
KEY PLAN



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PARTIAL 2ND FLOOR LIGHTING PLAN

STATE OF LOUISIANA
DAVID ASSAF, III
License No. 16190
PROFESSIONAL ENGINEER
IN
ELECTRICAL ENGINEERING

PROJECT NO.	03048
DRAWN BY	PLM
CHECKED BY	DAIII
DATE	October 15, 2004
SHEET NO..	E3.5
OF	

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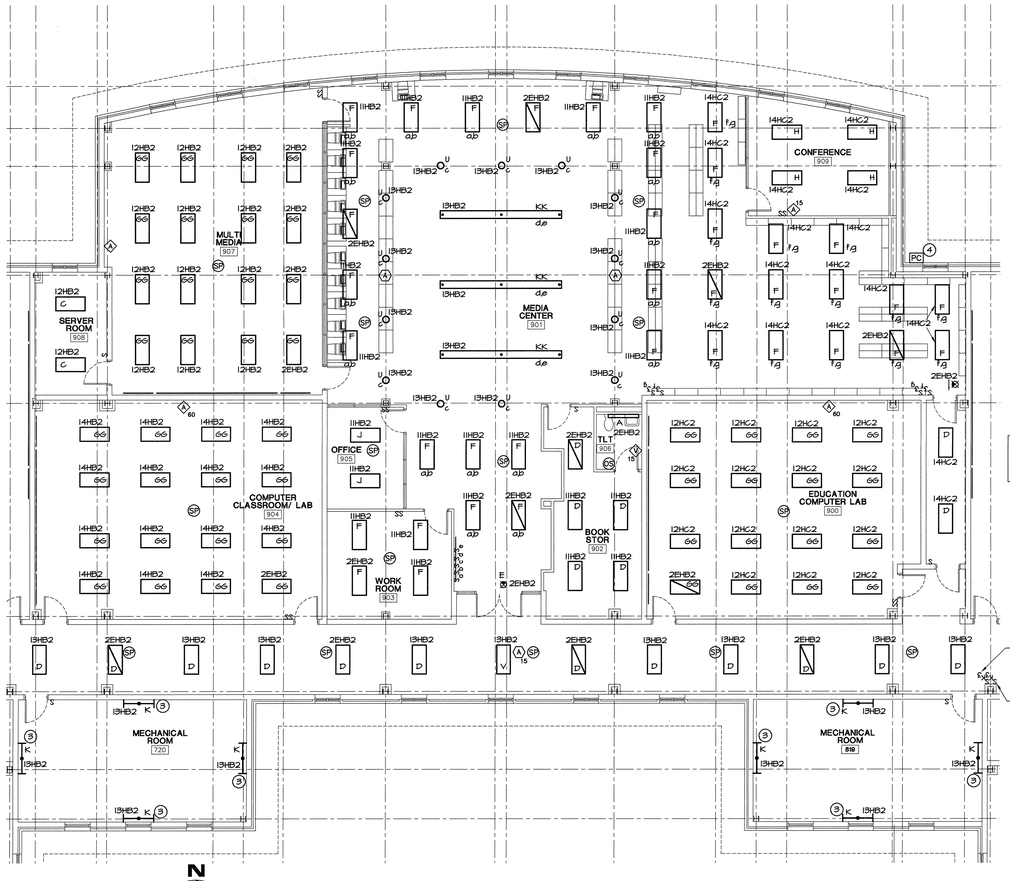

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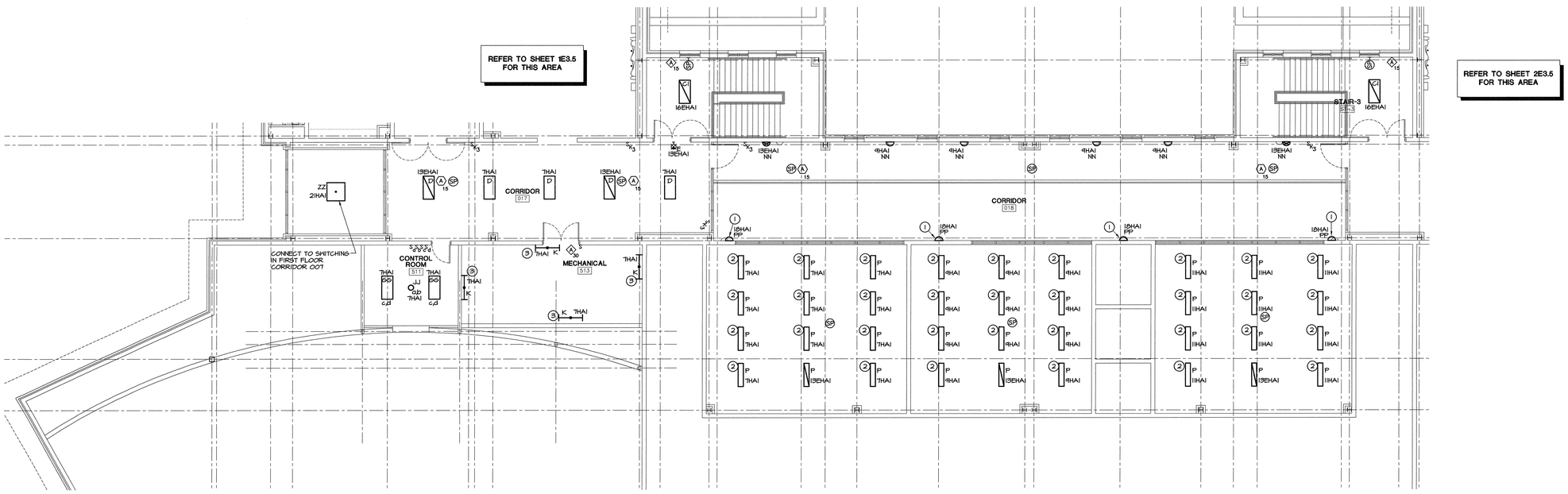
PROJECT

1 PARTIAL 2ND FLOOR LIGHTING PLAN

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



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PROJECT

2 PARTIAL 2ND FLOOR LIGHTING PLAN

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

3 KEYNOTES

1. MOUNT LUMINAIRES AT 17'-0" AFF TO CENTER OF LUMINAIRE. ALIGN LUMINAIRES WITH TYPE PP LUMINAIRES ON FIRST LEVEL. VERIFY LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN. CONNECT TO SWITCH "b" ON FIRST LEVEL. RE: IE3.3.
2. CONTROL LUMINAIRES FROM SWITCHES SHOWN ON FIRST LEVEL. RE: IE3.3
3. WALL MOUNT FIXTURES AT 7'-6"AFF. ADJUST LOCATION TO AVOID CONFLICTS WITH MECHANICAL EQUIPMENT.
4. PENETRATE SOFFIT AND MOUNT PHOTOCELL. AIM PHOTOCELL PLAN NORTH.

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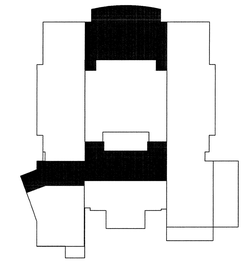
KEY PLAN



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PARTIAL 2ND FLOOR LIGHTING PLANS

STATE OF LOUISIANA — DAVID ASSAF, III — LICENSED 10/10/80 — PROFESSIONAL ENGINEER IN MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO.. E3.6
DRAWN BY EEM	
CHECKED BY AKG	
DATE October 15, 2004	OF

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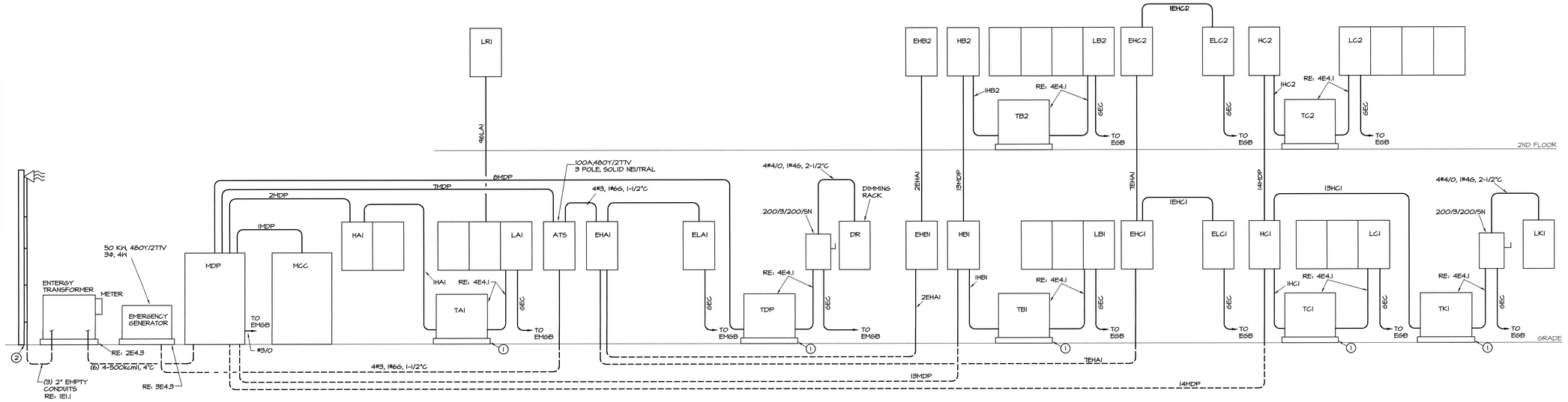
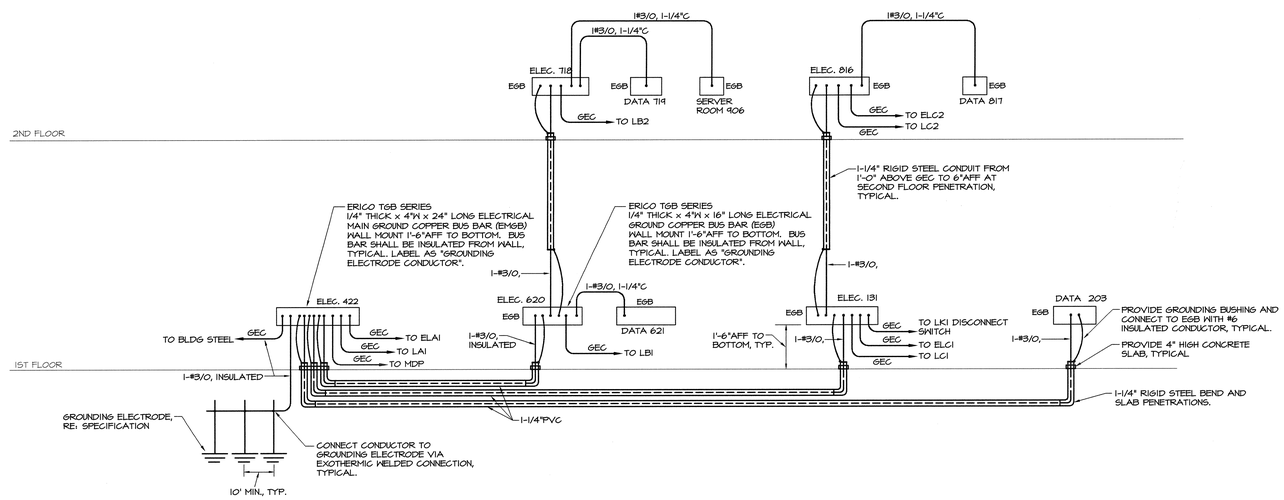
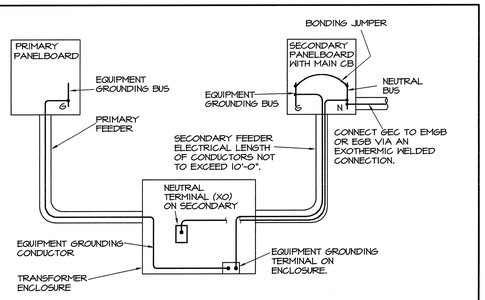


1 ELECTRICAL RISER DIAGRAM
NOT TO SCALE



2 GROUNDING ELECTRODE RISER DIAGRAM
NOT TO SCALE



3 TYP. TRANSFORMER GROUNDING DETAIL
NOT TO SCALE

(BONDING JUMPER AT FIRST SYSTEM DISCONNECTING MEANS OR OVERCURRENT DEVICE)

4 TRANSFORMER SCHEDULE

NAME	KVA RATING	VOLTAGE PRIMARY	VOLTAGE SECONDARY	AVERAGE WINDING TEMP RISE °C	SECONDARY FEEDER CONDUCTORS / CONDUIT *	G.E.C. **	TO SERVE PANEL NAME	REMARKS
TA1	112.5	480V DELTA	208Y/120V, 3PH, 4W	150	4–500kcmil, 1#3G, 3–1/2"C	1/0	LA1	--
TB1	112.5	480V DELTA	208Y/120V, 3PH, 4W	150	4–500kcmil, 1#3G, 3–1/2"C	1/0	LB1	--
TC1	75	480V DELTA	208Y/120V, 3PH, 4W	150	4#4/0, 1#4G, 2–1/2"C	2	LC1	--
TB2	150	480V DELTA	208Y/120V, 3PH, 4W	150	(2) 4–250kcmil, 1#2G, 3"C	1/0	LB2	--
TC2	150	480V DELTA	208Y/120V, 3PH, 4W	150	(2) 4–250kcmil, 1#2G, 3"C	1/0	LC2	--
TK1	75	480V DELTA	208Y/120V, 3PH, 4W	150	4#4/0, 1#4G, 2–1/2"C	2	LK1	--
TDP	75	480V DELTA	208Y/120V, 3PH, 4W	150	4#4/0, 1#4G, 2–1/2"C	2	DP	--

* SECONDARY CONDUCTORS SHALL NOT EXCEED 10'–0" IN LENGTH.
** REFER TO TYPICAL TRANSFORMER GROUNDING DETAIL. RE: 3E4.1.
ALL TRANSFORMERS SHALL HAVE A 220°C INSULATION SYSTEM.

5 KEYNOTES

1. PROVIDE 4" CONCRETE HOUSEKEEPING PAD WITH 1" CHAMFER.
2. ROUTE PRIMARY CONDUITS TO POLE DESIGNATED BY ENTERGY. RE: 1E1.1 STUB-UP SWEEPING BENDS AT POLE WITH END OF BENDS JUST BELOW GRADE. PROVIDE NINE 10'-0" LENGTHS OF SCHEDULE 80 PVC CONDUIT TO BE INSTALLED BY ENTERGY. COORDINATE INSTALLATION WITH ENTERGY PRIOR TO START OF CONDUIT INSTALLATION.

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ELECTRICAL RISER DIAGRAM AND GROUNDING ELECTRODE DIAGRAM

STATE OF LOUISIANA — DAVID ASSAF, III — LICENSE NO. 16190 — PROFESSIONAL ENGINEER IN MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
DRAWN BY TAS	E4.1
CHECKED BY AKG	
DATE October 15, 2004	OF

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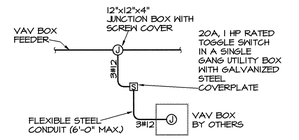
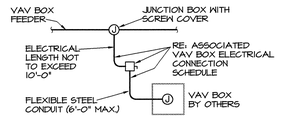


NOTES

1. DISCONNECT SWITCH SHALL BE PROVIDED WITH SOLID NEUTRAL AND GROUND LUGS.
2. PROVIDE EQUIPMENT GROUNDING LUG AT VAV BOX AND BOND UNIT.
3. PROVIDE GALVANIZED STEEL CHANNEL AND HARDWARE REQUIRED. SUPPORT DISCONNECT SWITCH FROM STRUCTURE.
4. PROVIDE IN-LINE 1 AMP FUSING FOR CONTROL TRANSFORMER.
5. MOUNT TOGGLE SWITCH WITHIN SIGHT OF VAV BOX ACCESS DOOR WITHOUT RESTRICTING ACCESS TO VAV BOX. PROVIDE LABEL "CONTROLS" ON DISCONNECT SWITCH.

1 VAV BOX ELECTRICAL CONNECTION DETAIL (CONTROLS ONLY)

NOT TO SCALE



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1. DISCONNECT SWITCH SHALL BE PROVIDED WITH SOLID NEUTRAL AND GROUND LUGS.
2. PROVIDE EQUIPMENT GROUNDING LUG AT VAV BOX AND BOND UNIT.
3. PROVIDE GALVANIZED STEEL CHANNEL AND HARDWARE REQUIRED. SUPPORT DISCONNECT SWITCH FROM STRUCTURE.
4. PROVIDE IN-LINE FUSING FOR CONTROL TRANSFORMER ON FAN POWERED BOXES.
5. MOUNT TOGGLE SWITCH WITHIN SIGHT OF VAV BOX ACCESS DOOR WITHOUT RESTRICTING ACCESS TO VAV BOX. PROVIDE LABEL "POWER" ON DISCONNECT SWITCH.

3 FAN POWERED VAV BOX ELECTRICAL CONNECTION DETAIL

NOT TO SCALE

5 MOTOR CONTROL CENTER (MCC) SCHEDULE

STARTER NUMBER	STARTER TYPE	STARTER SIZE (NEMA)	CIRCUIT BREAKER	CONDUCTORS AND CONDUITS	LOAD DESCRIPTION
1	FVNR	2	*	3#8, 1#10G, 3/4"	COOLING TOWER CT-1 FAN
2	FVNR	1	**	3#12, 1#12G, 1/2"C	COOLING TOWER CT-1 PAN HEATER
3	FVNR	1	**	3#12, 1#12G, 1/2"C	COOLING TOWER CT-1 PAN HEATER
4	FVNR	2	*	3#8, 1#10G, 3/4"	COOLING TOWER CT-2 FAN
5	FVNR	1	**	3#12, 1#12G, 1/2"C	COOLING TOWER CT-2 PAN HEATER
6	FVNR	1	**	3#12, 1#12G, 1/2"C	COOLING TOWER CT-2 PAN HEATER
7	FVNR	1	*	3#12, 1#12G, 1/2"C	PRIMARY CH. WATER PUMP P-3
8	FVNR	1	*	3#12, 1#12G, 1/2"C	PRIMARY CH. WATER PUMP P-4
9	FVNR	1	*	3#12, 1#12G, 1/2"C	CONDENSER PUMP P-5
10	FVNR	1	*	3#12, 1#12G, 1/2"C	CONDENSER PUMP P-6
11	FVNR	1	*	3#12, 1#12G, 1/2"C	PRIMARY HEATING PUMP P-9

* ADJUSTABLE INSTANTANEOUS TRIP MOTOR CIRCUIT PROTECTOR – SIZED BY MECHANICAL.

** THERMAL MAGNETIC CIRCUIT BREAKER SIZED BY MECHANICAL. ADJUST CONDUCTOR SIZE IF BREAKER AMPERE TRIP RATING IS LARGER THAN CONDUCTOR AMPERAGE RATING.

2 VAV BOX ELECTRICAL CONNECTION SCHEDULE (CONTROLS ONLY)

UNIT NAME(S)	SWITCH RATING VOLTS	SWITCH RATING AMPS	CIRCUIT NUMBER
1-3	240	20	100LB1
1-12	240	20	100LB1
1-13	240	20	100LB1
2-1	240	20	86LC1
2-2	240	20	86LC1
2-3	240	20	86LC1
2-4	240	20	86LC1
7-3	240	20	136LB2
7-12	240	20	136LB2
7-13	240	20	136LB2
8-4	240	20	136LB2
8-6	240	20	136LB2
9-1	240	20	83LC1
9-2	240	20	83LC1
9-3	240	20	83LC1
9-8	240	20	83LC1
9-9	240	20	83LC1
9-11	240	20	83LC1
9-12	240	20	83LC1
9-13	240	20	83LC1
10-3	240	20	146LC2
10-12	240	20	146LC2
10-13	240	20	146LC2
12-1	240	20	102LA1
12-5	240	20	102LA1

4 FAN POWERED VAV BOX ELECTRICAL CONNECTION SCHEDULE

UNIT NAME(S)	DISCONNECT SWITCH RATING VOLTS	DISCONNECT SWITCH RATING AMPS	DISCONNECT SWITCH POLE(S)	DISCONNECT SWITCH FUSE	LINE CONDUCTORS (TO DISCONNECT)	LOAD CONDUCTORS (TO VAV BOX)	CIRCUIT NUMBER	PHASE CONNECTION
1-1	480	30	1	10	3#12	3#12	32HB1	A
1-2	480	30	1	10	3#12	3#12	32HB1	B
1-4	480	30	1	6	3#12	3#12	32HB1	A
1-5	480	30	1	6	3#12	3#12	32HB1	B
1-6	480	30	1	6	3#12	3#12	32HB1	C
1-7	480	30	1	6	3#12	3#12	32HB1	A
1-8	480	30	1	6	3#12	3#12	32HB1	B
1-9	480	30	1	6	3#12	3#12	32HB1	C
1-10	480	30	1	6	3#12	3#12	32HB1	A
1-11	480	30	1	6	3#12	3#12	32HB1	B
1-14	480	30	1	10	3#12	3#12	32HB1	C
7-1	480	30	1	10	3#12	3#12	26HB2	A
7-2	480	30	1	10	3#12	3#12	26HB2	B
7-4	480	30	1	6	3#12	3#12	26HB2	A
7-5	480	30	1	6	3#12	3#12	26HB2	B
7-6	480	30	1	6	3#12	3#12	26HB2	C
7-7	480	30	1	6	3#12	3#12	26HB2	B
7-8	480	30	1	6	3#12	3#12	26HB2	C
7-9	480	30	1	6	3#12	3#12	26HB2	A
7-10	480	30	1	6	3#12	3#12	26HB2	C
7-11	480	30	1	6	3#12	3#12	26HB2	C
8-1	480	30	1	15	3#12	3#12	25HB2	A
8-2	480	30	1	6	3#12	3#12	25HB2	A
8-3	480	30	1	6	3#12	3#12	25HB2	B
8-5	480	30	1	15	3#12	3#12	25HB2	B
8-7	480	30	1	15	3#12	3#12	25HB2	C
9-4	480	30	1	6	3#12	3#12	26HC1	A
9-5	480	30	1	6	3#12	3#12	26HC1	C
9-6	480	30	1	6	3#12	3#12	26HC1	A
9-7	480	30	1	6	3#12	3#12	26HC1	C
9-10	480	30	1	10	3#12	3#12	26HC1	B
10-1	480	30	1	10	3#12	3#12	26HC2	A
10-2	480	30	1	10	3#12	3#12	26HC2	B
10-4	480	30	1	10	3#12	3#12	26HC2	C
10-5	480	30	1	6	3#12	3#12	26HC2	B
10-6	480	30	1	10	3#12	3#12	26HC2	A
10-7	480	30	1	6	3#12	3#12	26HC2	B
10-8	480	30	1	10	3#12	3#12	26HC2	C
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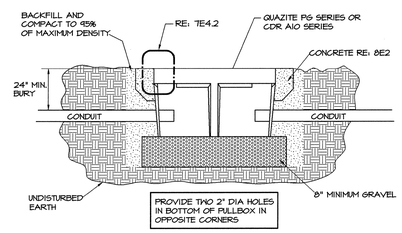
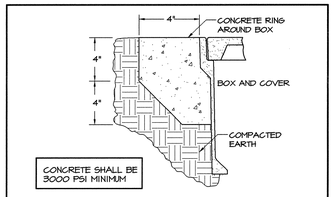
12-3	480	30	1	6	3#12	3#12	56HA1	C
12-4	480	30	1	10	3#12	3#12	56HA1	C
12-6	480	30	1	15	3#12	3#12	56HA1	B
12-7	480	30	1	10	3#12	3#12	56HA1	A



6 IN-GROUND BOX INSTALLATION DETAIL

NOT TO SCALE



7 CONCRETE RING DETAIL

NOT TO SCALE

ASSAF, SIMONEAUX, TAUZIN AND ASSOCIATES, INC.
CONSULTING ENGINEERS
8417 Kelwood Ave. Baton Rouge, LA 70806
Tel (225) 926-5600 Fax (225) 926-5620

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NO.	DATE	REVISION/SUBMISSION
1	11/12/04	FIRE MARSHAL AND C.P. REVISIONS

McKINLEY MIDDLE MAGNET SCHOOL

1550 EDDIE ROBINSON SR. DRIVE
BATON ROUGE, LOUISIANA 70802

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ELECTRICAL DETAILS AND SCHEDULES

STATE OF LOUISIANA
DAVID ASSAF, III
License No. 16190
PROFESSIONAL ENGINEER
IN
MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
DRAWN BY EEM	E4.2
CHECKED BY AKG	OF
DATE October 15, 2004	

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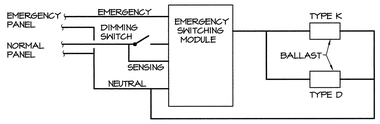
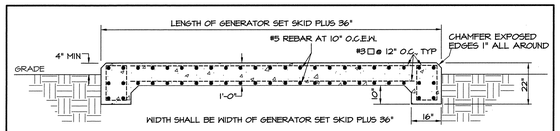


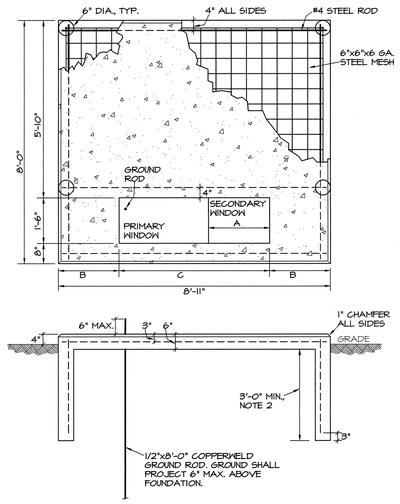
THE EMERGENCY SWITCHING MODULE SHALL BE CAPABLE OF BYPASSING THE WALL SWITCH ON LOSS OF NORMAL POWER AND SERVING LIGHTING LOADS FROM EMERGENCY POWER UNTIL NORMAL POWER IS RESTORED. THE MODULE IS A SWITCH ONLY AND DOES NOT INCLUDE ANY POWER SOURCE.

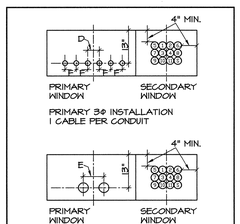
1 EMERGENCY SWITCHING MODULE CONNECTION DIAGRAM
NOT TO SCALE



ACTUAL SIZE SHALL BE COORDINATED/VERIFIED WITH ARCHITECT PRIOR TO CONSTRUCTION. SUBMIT, FOR REVIEW, SHOP DRAWINGS THAT SHOW EQUIPMENT SELECTED AND PAD DIMENSIONS. PROVIDE FOR ANY OPENINGS REQUIRED.

3 GENERATOR CONCRETE PAD DETAIL
NOT TO SCALE





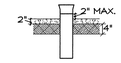
DIMENSIONS						
PRIMARY VOLTAGE	A	B	C	D	E	F
13.2KV	24"	24"	54"	4.5"	8"	4.5"
34.5KV	28"	14"	74"	7"	11"	6"

TRANSFORMER FOUNDATION 13.2KV, 3Ø-75 TO 2500KVA

NOTES:

1. CONCRETE FOR TRANSFORMER SLAB SHALL BE 3000 LBS. TEST OR BETTER. THE SLAB SHALL BE REINFORCED WITH 6"x6"x6 GAGE STEEL WIRE MESH. THE SLAB SHALL BE POURED IN PLACE IN ONE CONTINUOUS POUR AND SHALL HAVE A 1" CHAMFER AROUND TOP EDGE.
2. THE FOUNDATION SHALL HAVE FOUR 6" DIAMETER FOOTINGS AS SHOWN. EACH FOOTING SHALL EXTEND A MINIMUM OF 3'-0" INTO UNDISTURBED EARTH AND BE REINFORCED WITH A #4 STEEL ROD.
3. AFTER CONDUITS ARE INSTALLED THE CONDUIT WINDOW SHALL BE FILLED WITH SAND TO WITHIN 2" OF THE FOUNDATION TOP. THE REMAINING 2" SHALL BE FILLED WITH A 1:2 CEMENT/SAND DRY MIX.

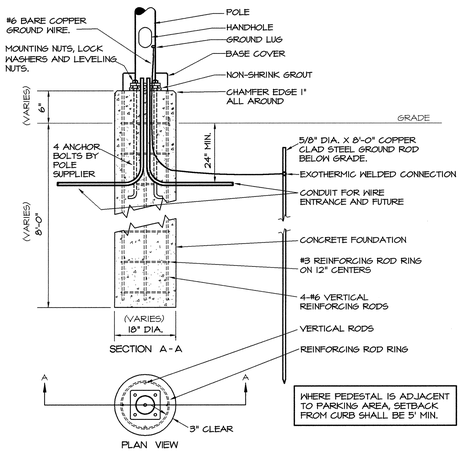
2 ENTERGY SPECIFICATIONS THREE PHASE PAD MOUNT TRANSFORMER FOUNDATION
1/2"=1'-0"



CONDUIT PLACEMENT NOTES:

A. CONDUITS SHALL BE PLACED SYMMETRICALLY ALONG OR ABOUT THE CENTERLINE OF THE PRIMARY AND SECONDARY COMPARTMENTS. THE CENTERLINE SHALL BE PERPENDICULAR TO THE TRANSFORMER BUSHING FACE WITH A 1:2 CEMENT/SAND DRY MIX.

B. ENTERGY SHALL FURNISH DATA FOR THE CORRECT NUMBER AND SIZE OF CONDUITS AND END BELLS. COORDINATE WITH ENTERGY.

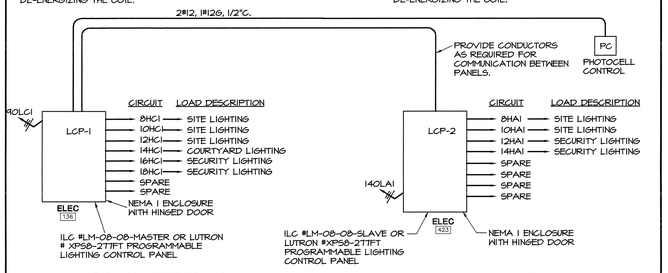


WHERE PEDESTAL IS ADJACENT TO PARKING AREA, SETBACK FROM CURB SHALL BE 5' MIN.

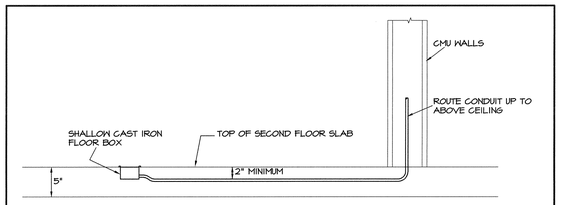
7 POLE FOUNDATION DETAIL FIXTURE TYPE "W", "X", "Y", "Z", "AA", "BB", "CC", "DD" AND "MM"
NOT TO SCALE

NOTE FOR LCP-1:
CONNECT LIGHTING CIRCUITS, AS SHOWN, THROUGH LIGHTING CONTROLLER. CONNECT CONTROL CIRCUIT SUCH THAT IT ALLOWS THE PC TO CONTROL ON, ENERGIZING THE COIL AND THE TC TO CONTROL OFF, DE-ENERGIZING THE COIL.

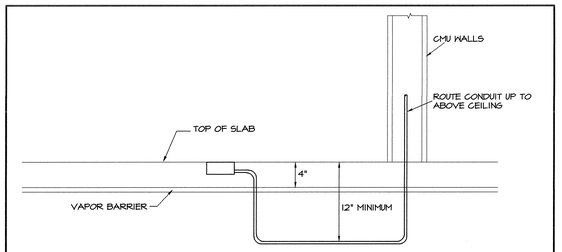
NOTE FOR LCP-2:
CONNECT LIGHTING CIRCUITS, AS SHOWN, THROUGH LIGHTING CONTROLLER. CONNECT CONTROL CIRCUIT SUCH THAT IT ALLOWS THE PC TO CONTROL ON, ENERGIZING THE COIL AND TO CONTROL OFF, DE-ENERGIZING THE COIL.



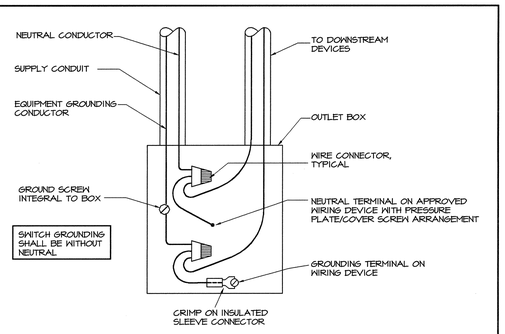
4 LIGHTING CONTROL SYSTEM RISER DIAGRAM
NOT TO SCALE



5 ABOVE GRADE SLAB FLOOR BOX DETAIL
NOT TO SCALE



6 ON GRADE SLAB FLOOR BOX DETAIL
NOT TO SCALE



8 TYP. WIRING DEVICE GROUNDING DETAIL
NOT TO SCALE

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McKINLEY MIDDLE MAGNET SCHOOL

1550 EDDIE ROBINSON SR. DRIVE
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Robert M. Coleman & Partners Architects A.I.A.
3377 North Boulevard
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ELECTRICAL DETAILS

STATE OF LOUISIANA — DAVID ASSAF, III — LICENSE NO. 16190 — PROFESSIONAL ENGINEER IN ELECTRICAL ENGINEERING

PROJECT NO.	SHEET NO..
03048	E4.3
DRAWN BY EEM	
CHECKED BY AKG	
DATE October 15, 2004	OF

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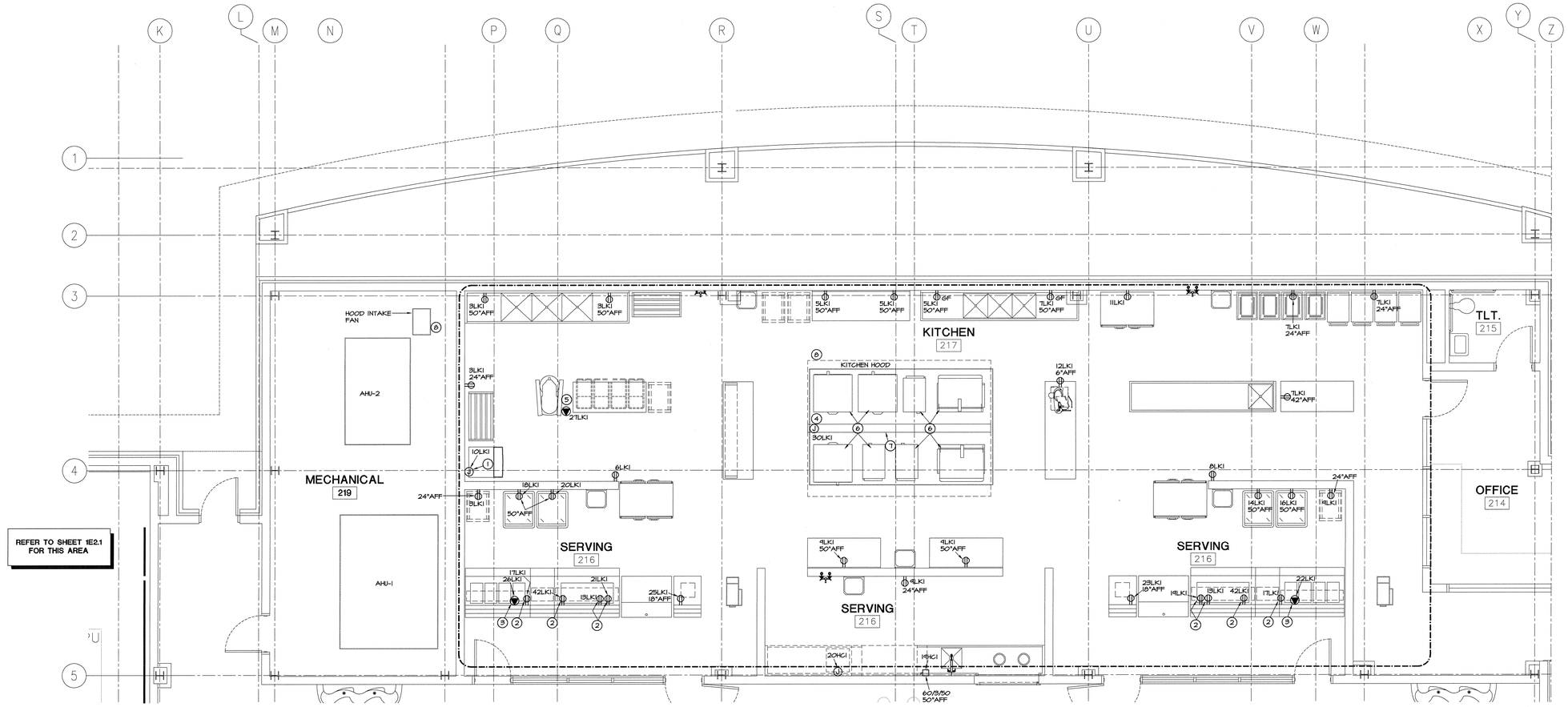

N

PROJECT

1 ENLARGE KITCHEN FLOOR PLAN - CAFETERIA WING

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

2 KEYNOTES

1. PROVIDE NEMA 5-20R SINGLE RECEPTACLE FOR ICE MACHINE. MOUNT 72" AFF. PROVIDE 3#12 SO CORD AND NEMA 5-20P PLUG AND CONNECT TO ICE MACHINE. PROVIDE GROMMET AND CABLE SUPPORT FOR CORD TO PREVENT TENSION ON CONNECTIONS IN ICE MACHINE.
2. PROVIDE A NEMA 5-20R RECEPTACLE IN SIDE MOUNT CAST ALUMINUM TYPE FD OUTLET BOX. PROVIDE BOX WITH NEOPRENE GASKET, CAST ALUMINUM COVERPLATE AND STAINLESS STEEL SCREWS. OUTLET BOX SHALL HAVE ONE THREADED HUB ON BOTTOM AND NO MOUNTING LUGS. PROVIDE RIGID METAL CONDUIT STUB UP OUT OF CONCRETE SLAB WITH OUTLET BOX ON TOP AND SECURED WITH LOCKNUT. TOP OF OUTLET BOX SHALL NOT EXCEED 0'-4" AFF.
3. PROVIDE A NEMA L6-30R RECEPTACLE IN SIDE MOUNT CAST ALUMINUM TYPE FD OUTLET BOX. PROVIDE BOX WITH NEOPRENE GASKET, CAST ALUMINUM COVERPLATE AND STAINLESS STEEL SCREWS. OUTLET BOX SHALL HAVE ONE THREADED HUB ON BOTTOM AND NO MOUNTING LUGS. PROVIDE RIGID METAL CONDUIT STUB UP OUT OF CONCRETE SLAB WITH OUTLET BOX ON TOP AND SECURED WITH LOCKNUT. TOP OF OUTLET BOX SHALL NOT EXCEED 0'-4" AFF.
4. CONNECT TO UTILITY DISTRIBUTION SYSTEM (UDS) MAIN LUGS. CONNECT SHUNT TRIP MECHANISM OF UDS TO HOOD SUPPRESSION SYSTEM SUCH THAT WHEN SYSTEM IS ACTIVATED, THE UDS BREAKER IS TRIPPED.
5. PROVIDE A NEMA L15-20R RECEPTACLE IN SIDE MOUNT CAST ALUMINUM TYPE FD OUTLET BOX. PROVIDE BOX WITH NEOPRENE GASKET, CAST ALUMINUM COVERPLATE AND STAINLESS STEEL SCREWS. OUTLET BOX SHALL HAVE ONE THREADED HUB ON BOTTOM AND NO MOUNTING LUGS. PROVIDE RIGID METAL CONDUIT STUB UP OUT OF CONCRETE SLAB WITH OUTLET BOX ON TOP AND SECURED WITH LOCKNUT. TOP OF OUTLET BOX SHALL NOT EXCEED 0'-6" AFF.
6. CONNECT EIGHT UL LISTED CORD AND PLUG ASSEMBLIES TO COOKING EQUIPMENT LOCATED UNDER KITCHEN HOOD.
7. UDS SUPPLIED WITH KITCHEN EQUIPMENT SHALL REQUIRE ELECTRICAL CONNECTION OF TWO SECTIONS BY BOLTING OF BUS BARS AND/OR CABLE BUS CONNECTIONS. MAKE CONNECTION BETWEEN SECTIONS AND TIGHTEN ANY CONNECTIONS LOOSENED IN SHIPPING.
8. CONNECT FIRE SUPPRESSION SYSTEM PANEL TO CIRCUIT TELCI. INTERLOCK WITH FIRE ALARM PANEL SUCH THAT ALARM IS INDICATED BUT BUILDING EVACUATION ALARM IS NOT INITIATED. INTERLOCK FIRE SUPPRESSION SYSTEM PANEL WITH SHUNT TRIP BREAKER SERVING HOOD SUPPLY FAN F-18 SUCH THAT WHEN SUPPRESSION SYSTEM IS ACTIVATED, THE BREAKER IS TRIPPED.

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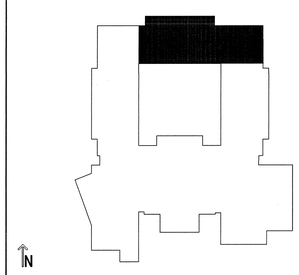
8417 Kelwood Ave. Baton Rouge, LA 70806
Tel (225) 926-5600 Fax (225) 926-5620

KEY PLAN



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3377 North Boulevard
Baton Rouge, Louisiana 70806
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tel 225.387.4414
fax 225.387.4693

PARTIAL 1ST FLOOR POWER PLAN

STATE OF LOUISIANA
DAVID ASSAF, III
License No. 16190
PROFESSIONAL ENGINEER
IN
MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048	SHEET NO..
DRAWN BY PLM	E4.4
CHECKED BY DAIII	OF
DATE October 15, 2004	

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1 LIGHTING FIXTURE SCHEDULE

A
MANUF/NUMBER: WILLIAMS/29-4-232-A-277
MANUF/NUMBER: COLUMBIA/WAL-4-1U1D32-LUB
MANUF/NUMBER: METALUX/BEU-232-277
MANUF/NUMBER: DAY-BRITE/CB232W-277
MANUF/NUMBER: LITHONIA/WP232-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 32
TYPE- F32T8
REMARKS: WALL BRACKET. MOUNT ABOVE MIRROR. COORDINATE EXACT LOCATION AFF WITH ARCHITECT PRIOR TO ROUGH-IN.

B
MANUF/NUMBER: DAYBRITE/2DPG432-FS21-277
MANUF/NUMBER: COLUMBIA/ST824-432G-FSA12.125-277-SLL-PAF
MANUF/NUMBER: METALUX/2GC8-432-A125-277
MANUF/NUMBER: LITHONIA/2SP8G-432-A12.125-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 4
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 4-LAMP GRID TROFFER WITH 0.125" NOM. THICK #12 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE ONE 4-LAMP BALLAST. LUMINAIRE EFFICIENCY SHALL BE 80 % MINIMUM. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM.

C
MANUF/NUMBER: COLUMBIA/ST824-332G-FSA12.125-277-SLL-PAF
MANUF/NUMBER: LITHONIA/2SP8G-332-A12.125-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 3
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 3-LAMP GRID TROFFER WITH 0.125" NOM. THICK #12 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE ONE 3-LAMP BALLAST. LUMINAIRE EFFICIENCY SHALL BE 82 % MINIMUM. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM.

C1 SAME AS TYPE C EXCEPT FLANGED FOR GYPBOARD CEILING.

D
DAYBRITE/2DPG232-FS21-277
MANUF/NUMBER: COLUMBIA/ST824-232G-FSA12.125-277-SLL-PAF
MANUF/NUMBER: METALUX/2GC8-232-A125-277
MANUF/NUMBER: LITHONIA/2SP8G-232-A12.125-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 2-LAMP GRID TROFFER WITH 0.125" NOM. THICK #12 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE ONE 2-LAMP BALLAST. LUMINAIRE EFFICIENCY SHALL BE 84 % MINIMUM. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM.

E
MANUF/NUMBER: YORKLITE/ALX-AC-W-R-*U
MANUF/NUMBER: EMERGI-LITE/WW-LEDPXN-*-R
MANUF/NUMBER: PRESCOLITE/LED-*-R-W
MANUF/NUMBER: LITHONIA/LES-W-X-R-120/277
MANUF/NUMBER: SURE-LITES/CX6-*-70-R-W
VOLTAGE: 120/277
FINISH: WHITE WITH RED LETTERS
LAMP: QUANTITY- --
WATTS- --
TYPE- LED
REMARKS: AC OPERATION ONLY, DIE-CAST ALUMINUM SINGLE OR DOUBLE FACE EXIT FIXTURE. PROVIDE FACE(S) AND ARROW(S) AS SHOWN ON DRAWINGS. FIXTURE SHALL PROVIDE EVEN ILLUMINATION SUCH THAT INDIVIDUAL LED'S ARE NOT VISIBLE. CONNECT TO EMERGENCY BRANCH CIRCUIT NOTED ON DRAWINGS.

F
MANUF/NUMBER: COLUMBIA/P424-332G-LS38-277-2BC
MANUF/NUMBER: DAYBRITE/2PG3S332-38FL-277
MANUF/NUMBER: LITHONIA/2PM3-G-B-332-24LS-277-2R-Z
MANUF/NUMBER: METALUX/2EP3GX-332S38MI-277V-2BC
VOLTAGE: 277
FINISH: SPECULAR SILVER
LAMP: QUANTITY- 3
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC, 2'-0" x 4'-0", 3-LAMP GRID TROFFER WITH 3" DEEP NOMINAL PARABOLIC 24-CELL SPECULAR LOW IRIDESCENT ALUMINUM LOUVER. LUMINAIRE SHALL HAVE TWO BALLAST COVERS, ONE 2-LAMP BALLAST AND ONE 1-LAMP BALLAST. SWITCH CENTER LAMPS SEPARATELY FROM OUTER LAMPS. LUMINAIRE EFFICIENCY SHALL BE 70 % MINIMUM. LUMINAIRE SHALL BE DESIGNED TO MEET IES RP1, SECOND LEVEL CRITERIA. FIXTURE DEPTH SHALL BE 0'-6" MAXIMUM.

G
MANUF/NUMBER: METALUX/2GC8-432-A19/156-277
MANUF/NUMBER: LITHONIA/2SP8G-432-A19-277
MANUF/NUMBER: DAYBRITE/2DPG432-DB-19-277
MANUF/NUMBER: COLUMBIA/ST824-432G-FSA19-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 4
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED STATIC 2'-0" x 4'-0", 4-LAMP GRID TROFFER WITH 0.156" NOMINAL THICK #A19 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE TWO 2-LAMP BALLASTS. SWITCH CENTER LAMPS SEPARATELY FROM OUTER LAMPS. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM.

H
MANUF/NUMBER: COLUMBIA/ST824-332G-FSA12.125-277-SLL-PAF
MANUF/NUMBER: LITHONIA/2SP8G-332-A12.125-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 3
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 3-LAMP GRID TROFFER WITH 0.125" NOM. THICK #12 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE ONE 2-LAMP BALLAST AND ONE 1-LAMP BALLAST. SWITCH CENTER LAMP SEPARATELY FROM OUTER LAMPS. LUMINAIRE EFFICIENCY SHALL BE 82 % MINIMUM. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM.

J
MANUF/NUMBER: DAYBRITE/2DPG432-FS21-277
MANUF/NUMBER: COLUMBIA/ST824-432G-FSA12.125-277-SLL-PAF
MANUF/NUMBER: METALUX/2GC8-432-A125-277
MANUF/NUMBER: LITHONIA/2SP8G-432-A12.125-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 4
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 4-LAMP GRID TROFFER WITH 0.125" NOM. THICK A12 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE TWO 2-LAMP BALLASTS. SWITCH INNER LAMPS SEPARATELY FROM OUTER LAMPS.

K
MANUF/NUMBER: WILLIAMS/76-4-232-277
MANUF/NUMBER: COLUMBIA/CS4-232-277
MANUF/NUMBER: METALUX/SS-232HRS-277
MANUF/NUMBER: DAY-BRITE/T232-277
MANUF/NUMBER: LITHONIA/C-232-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 32
TYPE- F32T8
REMARKS: 4'-0" LONG DOUBLE BARE LAMP STRIP, SURFACE MOUNT. FIXTURE SHALL HAVE ONE 2-LAMP BALLAST.

K1
MANUF/NUMBER: WILLIAMS/76-4-232-120
MANUF/NUMBER: COLUMBIA/CS4-232-120
MANUF/NUMBER: METALUX/SS-232HRS-120
MANUF/NUMBER: DAY-BRITE/T232-120
MANUF/NUMBER: LITHONIA/C-232-120
VOLTAGE: 120
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 32
TYPE- F32T8
REMARKS: 4'-0" LONG DOUBLE BARE LAMP STRIP, SURFACE MOUNT. FIXTURE SHALL HAVE TWO 1-LAMP BALLASTS. SWITCH LAMPS SEPARATELY.

L
MANUF/NUMBER: KENALL/H69L-C7-2MB-120
MANUF/NUMBER: FAIL-SAFE/FBP-14-120
MANUF/NUMBER: W.F. HARRIS/S30-CP-2-7PL-HPF-120
MANUF/NUMBER: TERON/W/4-120
MANUF/NUMBER: NEW STAR/56-20-14-4 (PHILLIPS HEAD)
VOLTAGE: 120
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 7
TYPE- COMPACT FLUORESCENT (TWIN TUBE), BASE: 2G7
REMARKS: WALL MOUNT FLUORESCENT, U.L. LISTED SUITABLE FOR WET LOCATION. FIXTURE TO BE FULLY GASKETED WITH POLYCARBONATE LENS AND PHILLIPS HEAD SCREWS. PROVIDE ELECTRONIC BALLAST.

M COOLER/FREEZER LIGHTING FIXTURES, PROVIDED BY COOLER/FREEZER SUPPLIER, INSTALLED AND CONNECTED IN THIS CONTRACT. COORDIANTE WITH COOLER/FREEZER SUPPLIER.

N
MANUF/NUMBER: WILLIAMS/50G-S24-432-FA125-INV125-TG
MANUF/NUMBER: METALUX/2GC-XF-432-INVA125-277-G3
MANUF/NUMBER: LITHONIA/2SPG-432-FW-INVA12125-277-ABC
MANUF/NUMBER: DAY-BRITE/2DG432-FA-INVA125-277-3W
MANUF/NUMBER: COLUMBIA/4PS24-432G-FAINVA12.125-277-G3
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 4
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 4-LAMP GRID TROFFER WITH INVERTED 0.125" NOMINAL THICK #12 PATTERN PRISMATIC ACRYLIC LENS. FIXTURE SHALL HAVE FLUSH/FLAT EXTRUDED ALUMINUM DOOR WITH NEOPRENE GASKET BETWEEN DOOR FRAME AND FIXTURE HOUSING, PLUS VINYL GASKETING BETWEEN LENS AND DOOR FRAME, AND NEOPRENE GASKETING ON MOUNTING SURFACE OF FIXTURE TRIM. NOTE THAT NEOPRENE GASKETING ON MOUNTING SURFACE OF FIXTURE TRIM SHALL BE FIELD INSTALLED BY CONTRACTOR.

P
MANUF/NUMBER: LITHONIA/MS5HBST-354T5HO-SBL-WD-277
MANUF/NUMBER: METALUX/I5-354T5G-TBW-277V-EBT2
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 3
WATTS- 54
TYPE- F54T5 HO
REMARKS: 4'-0" CEILING MOUNTED FLUORESCENT HIGH BAY LUMINAIRE WITH WHITE STRAIGHT BLADE LOUVER.

R
MANUF/NUMBER: COLUMBIA/2ST824-332G-FSA19-277
MANUF/NUMBER: LITHONIA/2SP8G-332-A19-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 3
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 3-LAMP GRID TROFFER WITH 0.156" NOMINAL THICK #A19 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE ONE 2-LAMP BALLAST AND ONE 1-LAMP BALLAST. SWITCH CENTER LAMP SEPARATELY FROM OUTER LAMPS. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM.

T
MANUF/NUMBER: GUTH/SI05-INN842TD/LHCP-277
MANUF/NUMBER: SPORTLITE/LX800-T42-21AL-277-3SL-HCMPL
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 8
WATTS- 42
TYPE- COMPACT FLUORESCENT (TRIPLE TUBE), GX24q-4
REMARKS: OPEN ALUMINUM REFLECTOR COMPACT FLUORESCENT HIGH BAY FIXTURE. PROVIDE POWER HOOK, FIXTURE LOOP CORD AND PLUG. PENDANT MOUNT 25'-0" AFF TO BOTTOM. FIXTURE SHALL HAVE FOUR SEPARATE SWITCH CIRCUITS.

U
MANUF/NUMBER: PRESCOLITE/CFT832HEB-STF802H
MANUF/NUMBER: LITHONIA/AF-1/42TRT-8AR-LD
MANUF/NUMBER: INDY/720R-421-SA
VOLTAGE: 277
FINISH: SEMI-SPECULAR LOW IRIDESCENT REFLECTOR
LAMP: QUANTITY- 1
WATTS- 42
TYPE- COMPACT FLUOR (TRIPLE TUBE), BASE: GX24q-4
REMARKS: 8" DIAMETER OPEN REFLECTOR FLUORESCENT DOWNLIGHT WITH HORIZONTALLY MOUNTED LAMP. LUMINAIRE EFFICIENCY SHALL BE 67.9% MINIMUM.

V
MANUF/NUMBER: DAYBRITE/2DPF232-FA21-277
MANUF/NUMBER: COLUMBIA/ST824-232F-FAA12.125-277-SLL-PAF
MANUF/NUMBER: METALUX/2FC8-FA-232-A125-277
MANUF/NUMBER: LITHONIA/2SP8F-232-FW-A12.125-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 2-LAMP FLANGED TROFFER WITH 0.125" NOM. THICK #12 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE ONE 2-LAMP BALLAST. LUMINAIRE EFFICIENCY SHALL BE 84 % MINIMUM. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM. LUMINAIRE SHALL HAVE WHITE FLUSH ALUMINUM LENS FRAME.

W
MANUF/NUMBER: COOPER/VXM-400-MH-277-4S-BZ-VS/RTS8A30SF
MANUF/NUMBER: LITHONIA/AS2-400M-SR4W-277-RPA-AS2VG-DDB/RTS30-6-6B
VOLTAGE: 277
FINISH: DARK BRONZE
LAMP: QUANTITY- 1
WATTS- 400
TYPE- METAL HALIDE
REMARKS: 400W METAL HALIDE LUMINAIRE. POLE MOUNTED ON 30'-0" ROUND TAPERED STEEL POLE. POLE SHALL MATCH FINISH OF LUMINAIRE. LUMINAIRE SHALL INCLUDE VANDAL GUARD. PROVIDE ROUND BASE BOLT COVER.

X
MANUF/NUMBER: COOPER/VXM-400-MH-277-3S-BZ-VS/RTS8A30SF
MANUF/NUMBER: LITHONIA/AS2-400M-SR3-277-RPA-AS2VG-DDB/RTS30-6-5
VOLTAGE: 277
FINISH: DARK BRONZE
LAMP: QUANTITY- 1
WATTS- 400
TYPE- METAL HALIDE
REMARKS: 400W METAL HALIDE LUMINAIRE. POLE MOUNTED ON 30'-0" ROUND TAPERED STEEL POLE. POLE SHALL MATCH FINISH OF LUMINAIRE. LUMINAIRE SHALL INCLUDE VANDAL GUARD. PROVIDE ROUND BASE BOLT COVER.

Y
MANUF/NUMBER: COOPER/VXM-400-MH-277-2S-BZ-VS/RTS8A30SF
MANUF/NUMBER: LITHONIA/AS2-400M-SR2-277-RPA-AS2VG-DDB/RTS30-6-6B
VOLTAGE: 277
FINISH: DARK BRONZE
LAMP: QUANTITY- 1
WATTS- 400
TYPE- METAL HALIDE
REMARKS: 400W METAL HALIDE LUMINAIRE. POLE MOUNTED ON 30'-0" ROUND TAPERED STEEL POLE. POLE SHALL MATCH FINISH OF LUMINAIRE. LUMINAIRE SHALL INCLUDE VANDAL GUARD. PROVIDE ROUND BASE BOLT COVER.

Z FIXTURE SHALL INCLUDE TWO (2) TYPE "X" LUMINAIRES ON A SINGLE 30'-0" ROUND TAPERED STEEL POLE WITH LUMINAIRES 180 DEGREES APART. PROVIDE ROUND BASE BOLT COVER.

AA FIXTURE SHALL INCLUDE TWO (2) TYPE "W" LUMINAIRES ON A SINGLE 30'-0" ROUND TAPERED STEEL POLE WITH LUMINAIRES 180 DEGREES APART. PROVIDE ROUND BASE BOLT COVER.

BB FIXTURE SHALL INCLUDE ONE (1) TYPE "W" AND ONE (1) TYPE "X" LUMINAIRE ON A SINGLE 30'-0" ROUND TAPERED STEEL POLE WITH LUMINAIRES 180 DEGREES APART. PROVIDE ROUND BASE BOLT COVER.

CC FIXTURE SHALL INCLUDE ONE (1) TYPE "W" AND ONE (1) TYPE "Y" LUMINAIRE ON A SINGLE 30'-0" ROUND TAPERED STEEL POLE WITH LUMINAIRES 180 DEGREES APART. PROVIDE ROUND BASE BOLT COVER.

DD
MANUF/NUMBER: COOPER/MHWL-175-277-PCS
MANUF/NUMBER: LITHONIA/TWH-175M-277-VG-DDB
VOLTAGE: 277
FINISH: BRONZE
LAMP: QUANTITY- 1
WATTS- 175
TYPE- METAL HALIDE
REMARKS: WALL MOUNTED AREA LIGHTING LUMINAIRE. WALL MOUNT LUMINAIRE AT 23'-0" AFF.

EE
MANUF/NUMBER: RAMBUSCH/RD-60-250-Q-M
MANUF/NUMBER: LITHONIA/EQ-250T-5MB
VOLTAGE: 120
FINISH: BLACK MILLIGROOVE BAFFLE
LAMP: QUANTITY- 1
WATTS- 250
TYPE- QUARTZ HALOGEN T4
REMARKS: 5" DIAMETER RECESSED DOWNLIGHT WITH ELLIPSOIDAL REFLECTOR AND BLACK MILLIGROOVE BAFFLE. FIXTURE SHALL BE ABLE TO BE RELAMPED FROM THE TOP.

FF
MANUF/NUMBER: DAYBRITE/2DPF232-FS21-277
MANUF/NUMBER: COLUMBIA/ST824-232F-FSA12.125-277-SLL-PAF
MANUF/NUMBER: METALUX/2FC8-232-A125-277
MANUF/NUMBER: LITHONIA/2SP8F-232-A12.125-277
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 32
TYPE- F32T8
REMARKS: RECESSED, STATIC 2'-0" x 4'-0", 2-LAMP FLANGED TROFFER WITH 0.125" NOM. THICK #12 PATTERN PRISMATIC ACRYLIC LENS AND SPRING LOADED LATCHES. FIXTURE SHALL HAVE ONE 2-LAMP BALLAST. LUMINAIRE EFFICIENCY SHALL BE 84 % MINIMUM. DISTANCE FROM BOTTOM OF LAMPS TO TOP OF LENS SHALL BE 1.987" MINIMUM.

GG
MANUF/NUMBER: COLUMBIA/HC24-332G-LS39-SEB8-277
MANUF/NUMBER: METALUX/2P5GX-332-S39MI277-EB82
MANUF/NUMBER: LITHONIA/2PMOG-B332-27LS-277-GEB
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 3
WATTS- 32
TYPE- F32T8
REMARKS: 2'-0" x 4'-0" RECESSED STATIC PARABOLIC LUMINAIRE WITH 27-CELL SPECULAR LOW IRIDESCENT ALUMINUM LOUVER. LUMINAIRE SHALL HAVE TWO BALLAST COVERS, ONE 2-LAMP BALLAST AND ONE 1-LAMP BALLAST. SWITCH CENTER LAMP SEPARATELY FROM OUTER LAMPS. LUMINAIRE SHALL BE DESIGNED TO MEET IES RPI SECOND LEVEL CRITERIA.

HH
MANUF/NUMBER: INDY/742R-322E-SA
MANUF/NUMBER: INFINITY/PH85-232T-277-EB
VOLTAGE: 277
FINISH: SEMI-SPECULAR LOW IRIDESCENT REFLECTOR
LAMP: QUANTITY- 2
WATTS- 32
TYPE- COMPACT FLUORESCENT (TRIPLE TUBE), BASE: GX24q-3
REMARKS: 8-1/2" DIAMETER OPEN REFLECTOR DOWNLIGHT WITH HORIZONTALLY MOUNTED LAMPS. SWITCH LAMPS SEPARATELY.

JJ
MANUF/NUMBER: PORTFOLIO/C7226E-725OLI-TRM7P
MANUF/NUMBER: CAPRI/PL29/277-S*-T482
MANUF/NUMBER: PEACHTREE/PFFZ-7226-C-EB
MANUF/NUMBER: LITHONIA/AF2/26DTT8AR-TRW-277
MANUF/NUMBER: INFINITY/PH75-226Q-MWT-277
VOLTAGE: 277
FINISH: WHITE METALLIC TRIM, SPECULAR CLEAR ALZAK REFLECTOR
LAMP: QUANTITY- 2
WATTS- 26
TYPE- COMPACT FLUOR (QUAD TUBE), BASE: G24q-3
REMARKS: 7-1/2" DIAMETER RECESSED COMPACT FLUORESCENT DOWNLIGHT WITH SPECULAR ALZAK REFLECTOR. PROVIDE TWO ELECTRONIC BALLASTS. NOTE THAT LAMPS SHALL BE HORIZONTAL MOUNT AND FIXTURE HEIGHT SHALL BE 7" MAXIMUM.

KK
MANUF/NUMBER: LEDALITE/2526TO3WD0822EW
MANUF/NUMBER: PEERLESS/PRM4-332-35/65-WHR-16FT-R8-277-DCT-F2-XX
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 12
WATTS- 32
TYPE- F32T8
REMARKS: 16'-0" LINEAR PENDENT MOUNTED FLUORESCENT LUMINAIRE. PROVIDE THREE 4-LAMP BALLASTS. SWITCH CENTER LAMPS SEPARATELY FROM OUTER LAMPS. MOUNT WITH BOTTOM OF LUMINAIRE AT 10'-0" AFF.

LL
MANUF/NUMBER: VISA/CB6114-2F50 (120V)-SAL-BA
VOLTAGE: 120
FINISH: BRUSHED ALUMINUM
LAMP: QUANTITY- 2
WATTS- 50
TYPE- FLUOR BIAX 2G11 BASE
REMARKS: WALL MOUNT FIXTURE 7'-0" AFF TO BOTTOM WITH LONG DIMENSION IN VERTICAL DIRECTION. FIXTURE SHALL INCLUDE DIMMABLE BALLAST AND 3000K LAMPS.

MM
MANUF/NUMBER: COOPER/VX5-175-MH-277-5S-BZ-VS-MA1074/SRT6A20SBZ
MANUF/NUMBER: LITHONIA/ASI-175M-SR5S-277-SPA-DSASI WITH RTS-20-6-5B
VOLTAGE: 277
FINISH: BRONZE
LAMP: QUANTITY- 1
WATTS- 175
TYPE- METAL HALIDE
REMARKS: 175W METAL HALIDE LUMINAIRE. POLE MOUNT ON 20'-0" ROUND TAPERED STEEL POLE. POLE SHALL MATCH FINISH OF LUMINAIRE. LUMINAIRE SHALL INCLUDE VANDAL GUARD. PROVIDE ROUND BASE BOLT COVER.

NN
MANUF/NUMBER: VISA/CB6112-1F50(277V)-SAL-BA
VOLTAGE: 277
FINISH: BRUSHED ALUMINUM
LAMP: QUANTITY- 1
WATTS- 50
TYPE- FLUORESCENT BIAX 2G11 BASE
REMARKS: WALL MOUNT FIXTURE 6'-8" AFF TO BOTTOM OF FIXTURE. FIXTURE'S LONG DIMENSION SHALL BE IN VERTICAL DIRECTION.

PP
MANUF/NUMBER: VISA/CB6114-2F50 (277V)-SAL-BA
VOLTAGE: 277
FINISH: BRUSHED ALUMINUM
LAMP: QUANTITY- 2
WATTS- 50
TYPE- FLUORESCENT BIAX 2G11 BASE
REMARKS: MOUNT LUMINAIRE WITH LONG DIMENSION IN A VERTICAL DIRECTION.

RR
MANUF/NUMBER: COOPER/MHWL-100-277-PCS
MANUF/NUMBER: LITHONIA/TWH-100M-277-VG-DDB
VOLTAGE: 277
FINISH: BRONZE
LAMP: QUANTITY- 1
WATTS- 100
TYPE- METAL HALIDE
REMARKS: WALL MOUNTED AREA LIGHTING LUMINAIRE. WALL MOUNT LUMINAIRE AT 10'-0" AFF.

TT
MANUF/NUMBER: VISA/CB6112-1F50 (120V)-SAL-BA
VOLTAGE: 120
FINISH: BRUSHED ALUMINUM
LAMP: QUANTITY- 1
WATTS- 50
TYPE- FLUORESCENT BIAX 2G11 BASE
REMARKS: FLUORESCENT WALL SCONCE. MOUNT 8'-0" AFF TO BOTTOM OF FIXTURE. FIXTURE SHALL HAVE DIMMABLE BALLAST AND 3000K LAMP. MOUNT WITH LONG DIMENSION IN VERTICAL DIRECTION.

UU
MANUF/NUMBER: CV LIGHTING/LB200-C-6-SA
MANUF/NUMBER: LIGHTECH/GS-2005-S-36-A-WG
VOLTAGE: 120
FINISH: ALUMINUM
LAMP: QUANTITY- 6
WATTS- 25
TYPE- G25 INCANDESCENT
REMARKS: WALL MOUNT FIXTURE HORIZONTALLY 3" ABOVE TOP OF MIRROR. PROVIDE WIRE GUARD. FIXTURE SHALL BE 3'-0" LONG.

VV
MANUF/NUMBER: VISA/CB6112-1F50-SAL-BA-ULD
VOLTAGE: 277
FINISH: FLUORESCENT BIAX 2G11 BASE
LAMP: QUANTITY- 1
WATTS- 50
TYPE- FLUORESCENT BIAX 2G11 BASE
REMARKS: WALL OR COLUMN MOUNT WITH BOTTOM OF FIXTURE AT 6'-8" AFF. LONG DIMENSION SHALL BE VERTICAL.

WW
MANUF/NUMBER: LEDALITE/2526-TO2-WD-12-12-EW
MANUF/NUMBER: PEERLESS/PRM4-232-35/65-WHR-24FT-R12-277-GEB-SCT-F1-XX-ACG
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 12
WATTS- 32
TYPE- F32T8
REMARKS: 24'-0" LINEAR PENDENT MOUNTED FLUORESCENT LUMINAIRE. PROVIDE THREE 4-LAMP BALLASTS. MOUNT WITH BOTTOM OF LUMINAIRE AT 10'-0" AFF.

XX
MANUF/NUMBER: LEDALITE/2526-TO2-WD-12-12-EW
MANUF/NUMBER: PEERLESS/PRM4-232-35/65-WHR-28FT-R12-277-GEB-SCT-F1-XX-ACG
VOLTAGE: 277
FINISH: WHITE
LAMP: QUANTITY- 14
WATTS- 32
TYPE- F32T8
REMARKS: 28'-0" LINEAR PENDENT MOUNTED FLUORESCENT LUMINAIRE. PROVIDE TWO 4-LAMP BALLASTS AND TWO 3-LAMP BALLASTS. MOUNT WITH BOTTOM OF LUMINAIRE AT 10'-0" AFF.

YY
MANUF/NUMBER: FAIL-SAFE/1S-0-275-120
MANUF/NUMBER: LITHONIA/VR4-2/75W-WP-120
VOLTAGE: 120
FINISH: WHITE
LAMP: QUANTITY- 2
WATTS- 75
TYPE- INCANDESCENT A19
REMARKS: WALL MOUNT INCANDESCENT LUMINAIRE.

ZZ
MANUF/NUMBER: VISA/CP3608-8F50-277V-SAL-BA-0AH48
VOLTAGE: 277
FINISH: BRUSHED ALUMINUM
LAMP: QUANTITY- 8
WATTS- 50
TYPE- FLUORESCENT BIAX, 2G11 BASE
REMARKS: 36" SQUARE PENDENT MOUNTED LUMINAIRE. MOUNT WITH BOTTOM OF FIXTURE AT 19'-6" AFF.

ASSAF, SIMONEAUX, TAUZIN AND ASSOCIATES, INC.
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NO.	DATE	REVISION/SUBMISSION
1	11/12/04	FIRE MARSHAL AND C.P. REVISIONS

McKINLEY MIDDLE MAGNET SCHOOL

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LIGHTING FIXTURE SCHEDULE

STATE OF LOUISIANA — DAVID ASSAF, III — License No. 16190 — PROFESSIONAL ENGINEER — IN — MECHANICAL & ELECTRICAL ENGINEER

PROJECT NO. 03048	SHEET NO..
DRAWN BY PLM	E4.5
CHECKED BY AKG	
DATE October 15, 2004	OF

P:\Projects_Active\EBR05 McKINLEY MIDDLE SCHOOL_03-4275\Drawings\4275E4.dwg, 11/12/2004 5:25:07 PM, TSTELENJ

1 PANELBOARD SCHEDULES

PANEL NAME:	MDP		
VOLTAGE:	480Y/277, 3 PHASE, 4 WIRE	QUANTITY OF SECTIONS: 1	200% NEUTRAL: NO
MAIN:	2000A MCB* FULLY RATED	SERVICE ENTRANCE: YES	FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 65K		GROUND FAULT PROTECTION: YES	EQUIPMENT GROUND BUS: YES
ENCLOSURE: FREESTANDING,	NEMA 1		ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
MCC	4-350kcmil,1#4G,3"C	300	3	1	A	2	3	400	4-500kcmil,1#3G,	PANEL HA1
-	-	-	-	3	B	4	-	-	3-1/2"C	-
-	-	-	-	5	C	6	-	-	-	-
ATS	4#1,1#6G,1-1/2"C	100	3	7	A	8	3	125	3#1,1#6G,1-1/4"C	TRANSFORMER TDP
-	-	-	-	9	B	10	-	-	-	-
-	-	-	-	11	C	12	-	-	-	-
PANEL HB1	(2) 4-350kcmil,1#1G,	600	3	13	A	14	3	600	(2) 4-350kcmil,1#1G,	PANEL HC1
-	3"C	-	-	15	B	16	-	-	3"C	-
-	-	-	-	17	C	18	-	-	-	-
100A SPACE	-	-	3	19	A	20	3	500	3-300kcmil,1#2G,	CHILLER CH-1
-	-	-	-	21	B	22	-	-	2-1/2"C	-
-	-	-	-	23	C	24	-	-	-	-
100A SPACE	-	-	3	25	A	26	3	500	3-300kcmil,1#2G,	CHILLER CH-2
-	-	-	-	27	B	28	-	-	2-1/2"C	-
-	-	-	-	29	C	30	-	-	-	-

COORDINATE INTERFACE BETWEEN MDP METERING AND ENERGY MANAGEMENT SYSTEM.

* PROVIDE GROUND FAULT CIRCUIT BREAKER SYSTEM.

PANEL NAME:	HA1		
VOLTAGE:	480Y/277, 3 PHASE, 4 WIRE	QUANTITY OF SECTIONS: 2	200% NEUTRAL: NO
MAIN:	400A MLO FULLY RATED	SERVICE ENTRANCE: NO	FEED: TOP
AIC SYMMETRICAL INTERRUPTING BRACING: 65K			EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1			ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
TRANSFORMER TA1	3#2/0,1#6G,2"C	175	3	1	A	2	1	20	3#10	LIGHTING
-	-	-	-	3	B	4	1	20	3#10	LIGHTING
-	-	-	-	5	C	6	1	20	3#10	LIGHTING
LIGHTING	3#12	20	1	7	A	8	1	20	3#10	SITE LIGHTING
LIGHTING	3#12	20	1	9	B	10	1	20	3#10	SITE LIGHTING
LIGHTING	3#12	20	1	11	C	12	1	20	3#10	SECURITY LIGHTING
GYM LIGHTING	3#10	20	1	13	A	14	1	20	3#10	SECURITY LIGHTING
GYM LIGHTING	3#10	20	1	15	B	16	1	20	3#10	LIGHTING
GYM LIGHTING	3#10	20	1	17	C	18	1	20	3#10	LIGHTING
GYM LIGHTING	3#10	20	1	19	A	20	1	20	3#12	LIGHTING
LIGHTING	3#10	20	1	21	B	22	1	20	3#12	LIGHTING
AHU-4	3#12,1#12G,1/2"C	25	3	23	C	24	1	20	3#10	LIGHTING
-	-	-	-	25	A	26	1	20	-	SPARE
-	-	-	-	27	B	28	1	20	-	SPARE
AHU-5	3#10,1#10G,1/2"C	30	3	29	C	30	1	20	-	SPARE
-	-	-	-	31	A	32	3	150	3#4,1#6G,1"C	PUMP P-1
-	-	-	-	33	B	34	-	-	-	-
AHU-6	3#12,1#12G,1/2"C	20	3	35	C	36	-	-	-	-
-	-	-	-	37	A	38	3	150	3#4,1#6G,1"C	PUMP P-2
-	-	-	-	39	B	40	-	-	-	-
50A SPACE	-	-	-	41	C	42	-	-	-	-
PUMP P-7	3#10,1#10G,1/2"C	50	3	43	A	44	3	50	3#10,1#10G,1/2"C	PUMP P-8
-	-	-	-	45	B	46	-	-	-	-
-	-	-	-	47	C	48	-	-	-	-
AHU-11	3#6,1#8G,3/4"C	80	3	49	A	50	3	70	3#6,1#8G,3/4"C	AHU-12
-	-	-	-	51	B	52	-	-	-	-
-	-	-	-	53	C	54	-	-	-	-
50A SPACE	-	-	-	55	A	56	3	20	4#12,1#12G,1/2"C	VAV BOXES
50A SPACE	-	-	-	57	B	58	-	-	-	-
50A SPACE	-	-	-	59	C	60	-	-	-	-
50A SPACE	-	-	-	61	A	62	1	20	-	SPARE
50A SPACE	-	-	-	63	B	64	1	20	-	SPARE
50A SPACE	-	-	-	65	C	66	1	20	-	SPARE
50A SPACE	-	-	-	67	A	68	1	20	-	SPARE
50A SPACE	-	-	-	69	B	70	-	-	-	50A SPACE
50A SPACE	-	-	-	71	C	72	-	-	-	50A SPACE
50A SPACE	-	-	-	73	A	74	-	-	-	50A SPACE
50A SPACE	-	-	-	75	B	76	-	-	-	50A SPACE
50A SPACE	-	-	-	77	C	78	-	-	-	50A SPACE
50A SPACE	-	-	-	79	A	80	-	-	-	50A SPACE
50A SPACE	-	-	-	81	B	82	-	-	-	50A SPACE
50A SPACE	-	-	-	83	C	84	-	-	-	50A SPACE

PANEL NAME:	LA1		
VOLTAGE:	208Y/120, 3 PHASE, 4 WIRE	QUANTITY OF SECTIONS: 4	200% NEUTRAL: NO
MAIN:	350A MCB FULLY RATED	SERVICE ENTRANCE: NO	FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 10K			EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1			ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
COMPUTER RECEPTACLES	3#10	20	1	1	A	2	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	3	B	4	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	5	C	6	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	7	A	8	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	9	B	10	1	20	3#10	RECEPTACLES
PRINTER	3#10	20	1	11	C	12	1	20	3#10	PRINTER
RECEPTACLES	3#10	20	1	13	A	14	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	15	B	16	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	17	C	18	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	19	A	20	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	21	B	22	1	20	3#10	FLOOR RECEPTACLES
RECEPTACLES	3#10	20	1	23	C	24	1	20	3#10	RECEPTACLES
FLOOR RECEPTACLES	3#10	20	1	25	A	26	1	20	3#10	RECEPTACLES
FLOOR RECEPTACLES	3#10	20	1	27	B	28	1	20	3#10	RECEPTACLES
FLOOR RECEPTACLES	3#10	20	1	29	C	30	1	20	3#12	RECEPTACLES
HAND DRYER	3#10	20	1	31	A	32	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	33	B	34	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	35	C	36	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	37	A	38	1	20	3#12	FLOOR RECEPTACLES
RECEPTACLES	3#12	20	1	39	B	40	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	41	C	42	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	43	A	44	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	45	B	46	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	47	C	48	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	49	A	50	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	51	B	52	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	53	C	54	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	55	A	56	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	57	B	58	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	59	C	60	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	61	A	62	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	63	B	64	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	65	C	66	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	67	A	68	1	20*	3#10	EWC
RECEPTACLES	3#10	20	1	69	B	70	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	71	C	72	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	73	A	74	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	75	B	76	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	77	C	78	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	79	A	80	1	20*	3#10	EWC
RECEPTACLES	3#10	20	1	81	B	82	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	83	C	84	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	85	A	86	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	87	B	88	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	89	C	90	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	91	A	92	1	20	3#10	RECEPTACLES
FLOOR BOXES	3#10	20	1	93	B	94	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	95	C	96	3	100	4#2,1#8G,1-1/2"C	PANEL LR
COMPUTER RECEPTACLES	3#10	20	1	97	A	98	-	-	-	-
COMPUTER RECEPTACLES	3#10	20	1	99	B	100	-	-	-	-
COMPUTER RECEPTACLES	3#10	20	1	101	C	102	1	20	3#12	VAV BOX CONTROLS
COMPUTER RECEPTACLES	3#10	20	1	103	A	104	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	105	B	106	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	107	C	108	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	109	A	110	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	111	B	112	1	20	3#10	STAGE MANAGER PAGING
COMPUTER RECEPTACLES	3#10	20	1	113	C	114	1	20	3#12	SMOKE DAMPER
EWC	3#12	20*	1	115	A	116	1	20	-	SPARE
EWC	3#12	20*	1	117	B	118	1	20	3#12	COMPUTER RECEPTACLES
WASHER	3#10	20	1	119	C	120	1	20	3#12	COMPUTER RECEPTACLES
DRYER	3#6,1#10G,3/4"C	30	2	121	A	122	1	20	3#12	COMPUTER RECEPTACLES
-	-	-	-	123	B	124	1	20	3#12	OA DAMPERS
WASHER	3#10	20	1	125	C	126	1	20	3#12	FAN F-17
DRYER	3#6,1#10G,3/4"C	30	2	127	A	128	1	20	3#12	EMERG. GEN. BATTERY CHARG.
-	-	-	-	129	B	130	1	20	3#12	EMERG. GEN. HEATER
EMS PANEL	3#12	20	1	131	C	132	1	20	3#12	DRESSING ROOM LIGHTING
UNIT HEATER	3#12	20	1	133	A	134	1	20	3#10	RELIEF LOUVER
RF EQUIPMENT	3#12	20	1	135	B	136	1	20	3#10	RELIEF LOUVER
BOILER BLOWER	3#12	20	1	137	C	138	1	20**	3#10	HEAT TRACE
HAND DRYER	3#12	20	1	139	A	140	1	20	3#12	LIGHTING CONTROL PNL LCP-2
HAND DRYER	3#12	20	1	141	B	142	1	20	-	SPARE
SPARE	-	20	1	143	C	144	1	20	3#12	EMERGENCY GEN. LIGHTING
50A SPACE	-	-	-	145	A	146	-	-	-	50A SPACE
50A SPACE	-	-	-	147	B	148	-	-	-	50A SPACE
50A SPACE	-	-	-	149	C	150	-	-	-	50A SPACE
50A SPACE	-	-	-	151	A	152	-	-	-	50A SPACE
50A SPACE	-	-	-	153	B	154	-	-	-	50A SPACE
50A SPACE	-	-	-	155	C	156	-	-	-	50A SPACE
50A SPACE	-	-	-	157	A	158	-	-	-	50A SPACE
50A SPACE	-	-	-	159	B	160	-	-	-	50A SPACE
50A SPACE	-	-	-	161	C	162	-	-	-	50A SPACE
50A SPACE	-	-	-	163	A	164	-	-	-	50A SPACE
50A SPACE	-	-	-	165	B	166	-	-	-	50A SPACE
50A SPACE	-	-	-	167	C	168	-	-	-	50A SPACE

* PROVIDE GROUND FAULT CIRCUIT BREAKER.

** PROVIDE 30mA GROUND FAULT CIRCUIT BREAKER.

PANEL NAME:	HB1		
VOLTAGE:	480Y/277, 3 PHASE, 4 WIRE	QUANTITY OF SECTIONS: 1	200% NEUTRAL: NO
MAIN:	600A MLO FULLY RATED	SERVICE ENTRANCE: NO	FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 25K			EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1		FEED THROUGH LUGS	ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
TRANSFORMER TB1	3#2/0,1#6G,2"C	175	3	1	A	2	1	20	3#10	LIGHTING
-	-	-	-	3	B	4	1	20	3#10	LIGHTING
-	-	-	-	5	C	6	1	20	3#12	LIGHTING
LIGHTING	3#10	20	1	7	A	8	1	20	3#12	LIGHTING
LIGHTING	3#12	20	1	9	B	10	1	20	-	SPARE
LIGHTING	3#10	20	1	11	C	12	1	20	-	SPARE
LIGHTING	3#10	20	1	13	A	14	1	20	-	SPARE
LIGHTING	3#10	20	1	15	B	16	1	20	-	SPARE
LIGHTING	3#10	20	1	17	C	18	1	20	-	SPARE
AHU-1	3#6,1#6G,3/4"C	125	3	19	A	20	3	40	3#10,1#10G,1/2"C	AHU-2
-	-	-	-	21	B	22	-	-	-	-
-	-	-	-	23	C	24	-	-	-	-
FAN F-19	3#12,1#12G,1/2"C	20	3	25	A	26	3	20*	3#12,1#12G,1/2"C	FAN F-18
-	-	-	-	27	B	28	-	-	-	-
-	-	-	-	29	C	30	-	-	-	-
FAN F-22	3#12,1#12G,1/2"C	20	3	31	A	32	3	20	4#10,1#12G,1/2"C	VAV BOXES
-	-	-	-	33	B	34	-	-	-	-
-	-	-	-	35	C	36	-	-	-	-
100A SPACE	-	-	-	37	A	38	-	-	-	100A SPACE
-	-	-	-	39	B	40	-	-	-	-

* PROVIDE SHUNT TRIP CIRCUIT BREAKER AND INTERCONNECT WITH KITCHEN HOOD SUPPRESSION SYSTEM.

PANEL NAME:	LB1		
VOLTAGE:	208Y/120, 3 PHASE, 4 WIRE	QUANTITY OF SECTIONS: 3	200% NEUTRAL: NO
MAIN:	350A MCB FULLY RATED	SERVICE ENTRANCE: NO	FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 10K			EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1			ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
HAND DRYER	3#10	20	1	1	A	2	1	20	3#10	HAND DRYER
HAND DRYER	3#10	20	1	3	B	4	1	20	3#10	RECEPTACLES
HAND DRYER	3#10	20	1	5	C	6	1	20	3#10	RECEPTACLES
HAND DRYER	3#10	20	1	7	A	8	1	20	3#10	RECEPTACLES
SINKS	3#10	20	1	9	B	10	1	20	3#10	RECEPTACLES
EWC	3#10	20	1	11***	C	12	1	20	3#10	COMPUTER RECEPTACLES
EWC	3#10	20	1	13***	A	14	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	15	B	16	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	17	C	18	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	19	A	20	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	21	B	22	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	23	C	24	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	25	A	26	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	27	B	28	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	29	C	30	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	31	A	32	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	33	B	34	1	20	3#12	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	35	C	36	1	20	3#12	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	37	A	38	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	39	B	40	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	41	C	42	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20	1	43	A	44	1	20	3#12	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	45	B	46	1	20	3#12	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	47	C	48	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	49	A	50	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	51	B	52	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	53	C	54	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	55	A	56	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	57	B	58	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	59	C	60	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	61	A	62	1	20*	3#12	GOGGLES CABINET
RECEPTACLES	3#12	20**	1	63	B	64	1	20*	3#12	RECEPTACLES
GOGGLES CABINET	3#12	20**	1	65	C	66	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	67	A	68	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	69	B	70	1	20	3#12	RECEPTACLES
FLOOR RECEPTACLES	3#12	20**	1	71	C	72	1	20	3#12	DATA ROOM RECEPTACLES
FLOOR RECEPTACLES	3#12	20**	1	73	A	74	1	20	3#12	DATA ROOM RECEPTACLES
FLOOR RECEPTACLES	3#12	20**	1	75	B	76	1	20	3#12	DATA ROOM RECEPTACLES
FLOOR RECEPTACLES	3#12	20**	1	77	C	78	1	20	3#12	DATA ROOM RECEPTACLES
FLOOR RECEPTACLES	3#12	20**	1	79	A	80	1	20	3#12	RECEPTACLES
FLOOR RECEPTACLES	3#12	20**	1	81	B	82	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	83	C	84	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	85	A	86	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	87	B	88	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	89	C	90	1	20	3#12	RECEPTACLES
MOBILE FOOD CART	4#12,1#12G,1/2"C	20	3	91	A	92	3	20	4#12,1#12G,1/2"C	MOBILE FOOD CART
-	-	-	-	93	B	94	-	-	-	-
-	-	-	-	95	C	96	-	-	-	-
MOBILE FOOD CART	4#12,1#12G,1/2"C	20	3	97	A	98	1	20	3#12	RECEPTACLES
-	-	-	-	99	B	100	1	20	3#12	VAV BOX CONTROLS
-	-	-	-	101	C	102	1	20	3#12	SHUNT TRIP OPERATION
SMOKE DAMPERS	3#12	20	1	103	A	104	1	20	3#12	SAFETY GLASSES CABINET
SMOKE DAMPERS	3#12	20	1	105	B	106	1	20	-	SPARE
50A SPACE	-	-	-	107	C	108	-	-	-	50A SPACE
50A SPACE	-	-	-	109	A	110	-	-	-	50A SPACE
50A SPACE	-	-	-	111	B	112	-	-	-	50A SPACE
50A SPACE	-	-	-	113	C	114	-	-	-	50A SPACE
50A SPACE	-	-	-	115	A	116	-	-	-	50A SPACE
50A SPACE	-	-	-	117	B	118	-	-	-	50A SPACE
50A SPACE	-	-	-	119	C	120	-	-	-	50A SPACE
50A SPACE	-	-	-	121	A	122	-	-	-	50A SPACE
50A SPACE	-	-	-	123	B	124	-	-	-	50A SPACE
50A SPACE	-	-	-	125	C	126	-	-	-	50A SPACE

* PROVIDE SHUNT TRIP BREAKERS. CONNECT SHUNT TRIP MECHANISM TO PUSHBUTTON AT TEACHER'S DESK IN ROOM 617 - 6TH GRADE SCIENCE CLASSROOM USING 3#12 CONDUCTORS IN 1/2" CONDUIT.

** PROVIDE SHUNT TRIP BREAKERS. CONNECT SHUNT TRIP MECHANISM TO PUSHBUTTON AT TEACHER'S DESK IN ROOM 619 - 6TH GRADE SCIENCE CLASSROOM/LAB-2 USING 3#12 CONDUCTORS IN CONDUIT.

*** PROVIDE GROUND FAULT CIRCUIT BREAKER.

PANEL NAME:	HC1		
VOLTAGE:	480Y/277, 3 PHASE, 4 WIRE	QUANTITY OF SECTIONS: 1	200% NEUTRAL: NO
MAIN:	600A MLO FULLY RATED	SERVICE ENTRANCE: NO	FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 25K			EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1		FEED THROUGH LUGS	ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
TRANSFORMER TC1	3#1,1#6G,1-1/4"C	125	3	1	A	2	1	20	3#10	LIGHTING
-	-	-	-	3	B	4	1	20	3#10	LIGHTING
-	-	-	-	5	C	6	1	20	3#10	LIGHTING
LIGHTING	3#12	20	1	7	A	8	1	20	3#10	SITE LIGHTING
LIGHTING	3#12	20	1	9	B	10	1	20	3#10	SITE LIGHTING
LIGHTING	3#12	20	1	11	C	12	1	20	3#10	SITE LIGHTING
TRANSFORMER TK1	3#1,1#6G,1-1/4"C	125	3	13	A	14	1	20	3#10	COURTYARD LIGHTING
-	-	-	-	15	B	16	1	20	3#10	SECURITY LIGHTING
-	-	-	-	17	C	18	1	20	3#10	SECURITY LIGHTING
DISHWASHER	3#10,1#10G,1/2"C	50	3	19	A	20	3	50	3#8,1#10G,3/4"C	BOOSTER HEATER
-	-	-	-	21	B	22	-	-	-	-
-	-	-	-	23	C	24	-	-	-	-
AHU-3	3#12,1#12G,1/2"C	25	3	25	A	26	3	20	4#12,1#12G,1/2"C	VAV BOXES
-	-	-	-	27	B	28	-	-	-	-
-	-	-	-	29	C	30	-	-	-	-
100A SPACE	-	-	3	31	A	32	3	-	-	100A SPACE
-	-	-	-	33	B	34	-	-	-	-
-	-	-	-	35	C	36	-	-	-	-
100A SPACE	-	-	3	37	A	38	3	-	-	100A SPACE
-	-	-	-	39	B	40	-	-	-	-

ASSAF, SIMONEAUX, TAUZIN AND ASSOCIATES, INC.
CONSULTING ENGINEERS
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USE OF ARCHITECT'S DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS

THE DRAWINGS, SPECIFICATIONS AND OTHER DOCUMENTS PREPARED BY THE ARCHITECT FOR THIS PROJECT ARE INSTRUMENTS OF THE ARCHITECT'S SERVICE FOR USE SOLELY WITH RESPECT TO THIS PROJECT AND, UNLESS O

1 PANELBOARD SCHEDULES

-	-	-	-	39	D	40	-	-	-	-	-	-	-	-	-	39	D	40	-	-	-	-	-	-	-	-	-	39	D	40	-	-	-	-	-
-	-	-	-	41	C	42	-	-	-	-	-	-	-	-	-	41	C	42	-	-	-	-	-	-	-	-	-	41	C	42	-	-	-	-	-

PANEL NAME: LC1
VOLTAGE: 208Y/120, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 3 — 200% NEUTRAL: NO
MAIN: 200A MCB FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 10K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
HAND DRYERS	3#10	20	1	1	A	2	1	20	3#10	RECEPTACLES
HAND DRYERS	3#10	20	1	3	B	4	1	20	3#10	RECEPTACLES
HAND DRYERS	3#10	20	1	5	C	6	1	20	3#10	RECEPTACLES
HAND DRYERS	3#10	20	1	7	A	8	1	20	3#10	HAND DRYER
SINKS	3#10	20	1	9	B	10	1	20	3#10	RECEPTACLES
EWC	3#10	20*	1	11	C	12	1	20	3#10	RECEPTACLES
EWC	3#10	20*	1	13	A	14	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	15	B	16	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	17	C	18	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	19	A	20	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	21	B	22	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	23	C	24	1	20	3#10	COPIER
RECEPTACLES	3#12	20	1	25	A	26	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	27	B	28	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	29	C	30	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	31	A	32	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	33	B	34	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	35	C	36	1	20	3#12	COMPUTERS
RECEPTACLES	3#12	20	1	37	A	38	1	20	3#12	REFRIGERATOR
RECEPTACLES	3#12	20	1	39	B	40	1	20	3#12	MICROWAVE
RECEPTACLES	3#12	20	1	41	C	42	1	20	3#12	MICROWAVE
RECEPTACLES	3#12	20	1	43	A	44	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	45	B	46	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	47	C	48	1	20	3#12	HAND DRYER
RECEPTACLES	3#12	20	1	49	A	50	1	20	3#12	HAND DRYER
COMPUTER RECEPTACLES	3#12	20	1	51	B	52	1	20	3#12	EWC
COMPUTER RECEPTACLES	3#12	20	1	53	C	54	1	20	3#12	EWC
COMPUTER RECEPTACLES	3#12	20	1	55	A	56	1	20	3#12	HAND DRYER
RECEPTACLES	3#12	20	1	57	B	58	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	59	C	60	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	61	A	62	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	63	B	64	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	65	C	66	1	20**	3#12	EWC
RECEPTACLES	3#12	20	1	67	A	68	1	20**	3#12	EWC
HAND DRYERS	3#12	20	1	69	B	70	1	20	3#12	HAND WASH
RECEPTACLES	3#12	20	1	71	C	72	1	20	3#12	RECEPTACLES
HAND DRYERS	3#12	20	1	73	A	74	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	75	B	76	1	20	3#12	RECEPTACLES
HAND DRYERS	3#12	20	1	77	C	78	1	20	-	FAN F-23
KILN	2#8,1#10G,1/2"C	50	2	79	A	80	1	20**	3#10,3/4"C	BACKFLOW PREVENT HEATER
-	-	-	-	81	B	82	1	20**	3#10,3/4"C	BACKFLOW PREVENT HEATER
VAV BOX CONTROLS	3#12	20	1	83	C	84	1	20	3#12	WASHER
DRYER	3#8,1#10G,3/4"C	30	2	85	A	86	1	20	3#12	VAV CONTROLS
-	-	-	-	87	B	88	1	20	3#12	WATER HTR AND CIRC. PUMP
FLUE FAN CONTROL PANEL	3#12	20	1	89	C	90	1	20	3#12	LTG CONTROL PANEL LCP-1
SMOKE DAMPERS	3#12	20	1	91	A	92	1	20	-	SPARE
SMOKE DAMPERS	3#12	20	1	93	B	94	-	-	-	50A SPACE
50A SPACE	-	-	-	95	C	96	-	-	-	50A SPACE
50A SPACE	-	-	-	97	A	98	-	-	-	50A SPACE
50A SPACE	-	-	-	99	B	100	-	-	-	50A SPACE
50A SPACE	-	-	-	101	C	102	-	-	-	50A SPACE
50A SPACE	-	-	-	103	A	104	-	-	-	50A SPACE
50A SPACE	-	-	-	105	B	106	-	-	-	50A SPACE
50A SPACE	-	-	-	107	C	108	-	-	-	50A SPACE
50A SPACE	-	-	-	109	A	110	-	-	-	50A SPACE
50A SPACE	-	-	-	111	B	112	-	-	-	50A SPACE
50A SPACE	-	-	-	113	C	114	-	-	-	50A SPACE
50A SPACE	-	-	-	115	A	116	-	-	-	50A SPACE
50A SPACE	-	-	-	117	B	118	-	-	-	50A SPACE
50A SPACE	-	-	-	119	C	120	-	-	-	50A SPACE
50A SPACE	-	-	-	121	A	122	-	-	-	50A SPACE
50A SPACE	-	-	-	123	B	124	-	-	-	50A SPACE
50A SPACE	-	-	-	125	C	126	-	-	-	50A SPACE

* PROVIDE GROUND FAULT CIRCUIT BREAKER.
** PROVIDE 30mA GROUND FAULT CIRCUIT BREAKER.

PANEL NAME: HB2
VOLTAGE: 480Y/277, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 600A MLO FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 25K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
TRANSFORMER TB2	3#4/0,1#4G,2-1/2"C	225	3	1	A	2	1	20	3#10	LIGHTING
-	-	-	-	3	B	4	1	20	3#10	LIGHTING
-	-	-	-	5	C	6	1	20	3#12	LIGHTING
LIGHTING	3#10	20	1	7	A	8	1	20	3#12	LIGHTING
LIGHTING	3#12	20	1	9	B	10	1	20	3#12	LIGHTING
LIGHTING	3#10	20	1	11	C	12	1	20	3#12	LIGHTING
LIGHTING	3#10	20	1	13	A	14	1	20	3#12	LIGHTING
SPARE	-	20	1	15	B	16	1	20	-	SPARE
SPARE	-	20	1	17	C	18	1	20	-	SPARE
AHU-7	3#6,1#6G,3/4"C	125	3	19	A	20	3	100	3#6,1#6G,3/4"C	AHU-8
-	-	-	-	21	B	22	-	-	-	-
-	-	-	-	23	C	24	-	-	-	-
VAV BOXES	4#12,1#12G,1/2"C	20	3	25	A	26	3	20	4#10,1#12G,1/2"C	VAV BOXES
-	-	-	-	27	B	28	-	-	-	-
-	-	-	-	29	C	30	-	-	-	-
100A SPACE	-	-	3	31	A	32	3	-	-	100A SPACE
-	-	-	-	33	B	34	-	-	-	-
-	-	-	-	35	C	36	-	-	-	-
100A SPACE	-	-	3	37	A	38	3	-	-	100A SPACE
-	-	-	-	39	B	40	-	-	-	-

PANEL NAME: LB2
VOLTAGE: 208Y/120, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 4 — 200% NEUTRAL: NO
MAIN: 500A MCB FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 10K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
HAND DRYER	3#10	20	1	1	A	2	1	20	3#10	RECEPTACLES
HAND DRYER	3#10	20	1	3	B	4	1	20	3#10	RECEPTACLES
HAND DRYER	3#10	20	1	5	C	6	1	20	3#10	RECEPTACLES
HAND DRYER	3#10	20	1	7	A	8	1	20	3#10	COMPUTER RECEPTACLES
EWC	3#10	20***	1	9	B	10	1	20	3#10	COMPUTER RECEPTACLES
BATHROOM SINKS	3#10	20	1	11	C	12	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	13	A	14	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	15	B	16	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	17	C	18	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	19	A	20	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	21	B	22	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	23	C	24	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	25	A	26	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	27	B	28	1	20	3#12	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	29	C	30	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	31	A	32	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	33	B	34	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	35	C	36	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	37	A	38	1	20	3#12	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	39	B	40	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20	1	41	C	42	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20	1	43	A	44	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	45	B	46	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	47	C	48	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	49	A	50	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	51	B	52	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	53	C	54	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	55	A	56	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	57	B	58	1	20*	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20**	1	59	C	60	1	20*	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20**	1	61	A	62	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	63	B	64	1	20*	3#12	RECEPTACLES
RECEPTACLES	3#12	20**	1	65	C	66	1	20*	3#12	GOGGLES CABINET
RECEPTACLES	3#12	20**	1	67	A	68	1	20**	3#12	FLOOR RECEPTACLES
RECEPTACLES	3#12	20**	1	69	B	70	1	20**	3#12	FLOOR RECEPTACLES
RECEPTACLES	3#12	20**	1	71	C	72	1	20**	3#12	FLOOR RECEPTACLES
GOGGLES CABINET	3#12	20**	1	73	A	74	1	20**	3#12	FLOOR RECEPTACLES
RECEPTACLES	3#12	20	1	75	B	76	1	20**	3#12	FLOOR RECEPTACLES
RECEPTACLES	3#12	20	1	77	C	78	1	20**	3#12	FLOOR RECEPTACLES
RECEPTACLES	3#12	20	1	79	A	80	1	20	3#12	DATA ROOM RECEPTACLES
RECEPTACLES	3#12	20	1	81	B	82	1	20	3#12	DATA ROOM RECEPTACLES
RECEPTACLES	3#12	20	1	83	C	84	1	20	3#12	DATA ROOM RECEPTACLES
RECEPTACLES	3#12	20	1	85	A	86	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	87	B	88	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	89	C	90	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	91	A	92	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	93	B	94	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	95	C	96	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	97	A	98	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	99	B	100	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	101	C	102	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	103	A	104	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	105	B	106	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	107	C	108	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	109	A	110	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	111	B	112	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	113	C	114	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	115	A	116	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	117	B	118	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	119	C	120	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	121	A	122	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	123	B	124	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	125	C	126	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	127	A	128	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	129	B	130	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	131	C	132	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	133	A	134	1	20**	3#10	RECEPTACLES
RECEPTACLES	3#10	20**	1	135	B	136	1	20	3#12	VAV BOX CONTROLS
OA DAMPERS	3#12	20	1	137	C	138	1	20	3#12	SHUNT TRIP OPERATION
SMOKE DAMPERS	3#12	20	1	139	A	140	1	20	3#12	SAFETY GLASSES CABINET
SMOKE DAMPERS	3#12	20	1	141	B	142	1	20	-	SPARE
50A SPACE	-	-	-	143	C	144	-	-	-	50A SPACE
50A SPACE	-	-	-	145	A	146	-	-	-	50A SPACE
50A SPACE	-	-	-	147	B	148	-	-	-	50A SPACE
50A SPACE	-	-	-	149	C	150	-	-	-	50A SPACE
50A SPACE	-	-	-	151	A	152	-	-	-	50A SPACE
50A SPACE	-	-	-	153	B	154	-	-	-	50A SPACE
50A SPACE	-	-	-	155	C	156	-	-	-	50A SPACE
50A SPACE	-	-	-	157	A	158	-	-	-	50A SPACE
50A SPACE	-	-	-	159	B	160	-	-	-	50A SPACE
50A SPACE	-	-	-	161	C	162	-	-	-	50A SPACE
50A SPACE	-	-	-	163	A	164	-	-	-	50A SPACE
50A SPACE	-	-	-	165	B	166	-	-	-	50A SPACE
50A SPACE	-	-	-	167	C	168	-	-	-	50A SPACE

* PROVIDE SHUNT TRIP BREAKERS, CONNECT SHUNT TRIP MECHANISM TO PUSHBUTTON AT TEACHER'S DESK IN ROOM 715 - 7TH GRADE SCIENCE CLASSROOM -1 USING 3#12 CONDUCTORS IN CONDUIT.
** PROVIDE SHUNT TRIP BREAKERS, CONNECT SHUNT TRIP MECHANISM TO PUSHBUTTON AT TEACHER'S DESK IN ROOM 717 - 7TH GRADE SCIENCE CLASSROOM/LAB-2 USING 3#12 CONDUCTORS IN CONDUIT.
*** PROVIDE GROUND FAULT CIRCUIT BREAKER.

PANEL NAME: HC2
VOLTAGE: 480Y/277, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 600A MLO FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 25K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
TRANSFORMER TC2	3#4/0,1#4G,2-1/2"C	225	3	1	A	2	1	20	3#10	LIGHTING
-	-	-	-	3	B	4	1	20	3#10	LIGHTING
-	-	-	-	5	C	6	1	20	3#12	LIGHTING
LIGHTING	3#10	20	1	7	A	8	1	20	3#12	LIGHTING
LIGHTING	3#12	20	1	9	B	10	1	20	3#12	LIGHTING
SPARE	-	20	1	11	C	12	1	20	3#12	LIGHTING
SPARE	-	20	1	13	A	14	1	20	3#12	LIGHTING
SPARE	-	20	1	15	B	16	1	20	-	SPARE
SPARE	-	20	1	17	C	18	1	20	-	SPARE
AHU-9	3#6,1#6G,3/4"C	100	3	19	A	20	3	125	3#6,1#6G,3/4"C	AHU-10
-	-	-	-	21	B	22	-	-	-	-
-	-	-	-	23	C	24	-	-	-	-
100A SPACE	-	-	-	25	A	26	3	30	4#10,1#10G,1/2"C	VAV BOXES
-	-	-	-	27	B	28	-	-	-	-
-	-	-	-	29	C	30	-	-	-	-
100A SPACE	-	-	-	31	A	32	-	-	-	100A SPACE
-	-	-	-	33	B	34	-	-	-	-
-	-	-	-	35	C	36	-	-	-	-
100A SPACE	-	-	-	37	A	38	-	-	-	100A SPACE
-	-	-	-	39	B	40	-	-	-	-

PANEL NAME: LC2
VOLTAGE: 208Y/120, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 4 — 200% NEUTRAL: NO
MAIN: 500A MCB FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 10K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
HAND DRYER	3#10	20	1	1	A	2	1	20	3#10	HAND DRYER
RECEPTACLES	3#10	20	1	3	B	4	1	20	3#10	HAND DRYER
RECEPTACLES	3#10	20	1	5	C	6	1	20	3#10	HAND DRYER
RECEPTACLES	3#10	20	1	7	A	8	1	20	3#10	HAND DRYER
COMPUTER RECEPTACLES	3#10	20	1	9	B	10	1	20	3#10	SINKS
COMPUTER RECEPTACLES	3#10	20	1	11	C	12	1	20**	3#10	EWC
COMPUTER RECEPTACLES	3#10	20	1	13	A	14	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	15	B	16	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	17	C	18	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	19	A	20	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	21	B	22	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#10	20	1	23	C	24	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	25	A	26	1	20	3#10	COMPUTER RECEPTACLES
RECEPTACLES	3#10	20	1	27	B	28	1	20	3#10	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	29	C	30	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	31	A	32	1	20	3#10	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	33	B	34	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20	1	35	C	36	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20	1	37	A	38	1	20	3#12	COMPUTER RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	39	B	40	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	41	C	42	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	43	A	44	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20	1	45	B	46	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20	1	47	C	48	1	20	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20*	1	49	A	50	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20*	1	51	B	52	1	20	3#12	RECEPTACLES
COMPUTER OUTLETS	3#12	20*	1	53	C	54	1	20**	3#12	RECEPTACLES
COMPUTER OUTLETS	3#12	20*	1	55	A	56	1	20**	3#12	RECEPTACLES
RECEPTACLES	3#12	20*	1	57	B	58	1	20**	3#12	RECEPTACLES
RECEPTACLES	3#12	20*	1	59	C	60	1	20**	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20*	1	61	A	62	1	20**	3#12	COMPUTER RECEPTACLES
RECEPTACLES	3#12	20*	1	63	B	64	1	20**	3#12	RECEPTACLES
RECEPTACLES	3#12	20*	1	65	C	66	1	20**	3#12	RECEPTACLES
GOGGLE CABINET	3#12	20*	1	67	A	68	1	20**	3#12	RECEPTACLES
FLOOR OUTLETS	3#12	20*	1	69	B	70	1	20**	3#12	RECEPTACLES
FLOOR OUTLETS	3#12	20*	1	71	C	72	1	20**	3#12	GOGGLES CABINET
FLOOR OUTLETS	3#12	20*	1	73	A	74	1	20	3#12	RECEPTACLES
FLOOR OUTLETS	3#12	20*	1	75	B	76	1	20	3#12	RECEPTACLES
FLOOR OUTLETS	3#12	20*	1	77	C	78	1	20	3#12	DATA ROOM RECEPTACLES
FLOOR OUTLETS	3#12	20*	1	79	A	80	1	20	3#12	DATA ROOM RECEPTACLES
RECEPTACLES	3#12	20	1	81	B	82	1	20	3#12	DATA ROOM RECEPTACLES
RECEPTACLES	3#12	20	1	83	C	84	1	20	3#12	DATA ROOM RECEPTACLES
RECEPTACLES	3#12	20	1	85	A	86	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	87	B	88	1	20	3#12	HAND DRYER
RECEPTACLES	3#12	20	1	89	C	90	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	91	A	92	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	93	B	94	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	95	C	96	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	97	A	98	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	99	B	100	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	101	C	102	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	103	A	104	1	20	3#12	RECEPTACLES
COMPUTER RECEPTACLES	3#12	20	1	105	B	106	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	107	C	108	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	109	A	110	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	111	B	112	1	20	3#12	RECEPTACLES
RECEPTACLES	3#10	20	1	113	C	114	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	115	A	116	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	117	B	118	1	20	3#10

1 PANELBOARD SCHEDULES

SPARE	-	20	1	39	B	40	-	-	-	-	-
SPARE	-	20	1	41	C	42	1	20	3#12		HEAT LAMPS

PANEL NAME: EHA1
VOLTAGE: 480Y/277, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 100A MCB FULLY RATED — SERVICE ENTRANCE: NO — FEED: TOP
AIC SYMMETRICAL INTERRUPTING BRACING: 37K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
TRANSFORMER TEA1	3#6,1#10G,1"C	50	3	1	A	2	3	100	4#3,1#6G,1-1/4"C	PANEL EHB1
-	-	-	-	3	B	4	-	-	-	-
-	-	-	-	5	C	6	-	-	-	-
PANEL EHC1	4#3,1#6G,1-1/4"C	100	3	7	A	8	3	-	-	100A SPACE
-	-	-	-	9	B	10	-	-	-	-
-	-	-	-	11	C	12	-	-	-	-
LIGHTING	3#12	20	1	13	A	14	1	20	3#10	LIGHTING
SPARE	-	20	1	15	B	16	1	20	3#10	LIGHTING
SPARE	-	20	1	17	C	18	1	20	-	SPARE
SPARE	-	20	1	19	A	20	-	-	-	50A SPACE
50A SPACE	-	-	-	21	B	22	-	-	-	50A SPACE
50A SPACE	-	-	-	23	C	24	-	-	-	50A SPACE

PANEL NAME: ELA1
VOLTAGE: 120/240, 1 PHASE, 3 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: *60A PRIMARY, 80A SECONDARY — SERVICE ENTRANCE: NO — FEED: TOP
AIC SYMMETRICAL INTERRUPTING BRACING: 22K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
AUDITORIUM LIGHTING	3#12	20	1	1	A	2	1	40	3#10	SMOKE HATCH
AUDITORIUM LIGHTING	3#12	20	1	3	B	4	1	40	3#10	SMOKE HATCH
AUDITORIUM LIGHTING	3#12	20	1	5	C	6	1	20	3#10	SMOKE HATCH CONTROL PNL
SPARE	-	20	1	7	A	8	1	20	-	SPARE
SPACE ONLY	-	-	-	9	B	10	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	11	C	12	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	13	A	14	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	15	B	16	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	17	C	18	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	19	A	20	-	-	-	SPACE ONLY

* PACKAGED POWER SUPPLY 15 KVA, 1 PHASE, 480V PRIMARY, 120/240V SECONDARY WITH 60A PRIMARY CIRCUIT BREAKER AND 80A SECONDARY MAIN CIRCUIT BREAKER.

PANEL NAME: EHB1
VOLTAGE: 480Y/277, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 100A MLO FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 30K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — FEED THROUGH LUGS — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
LIGHTING	3#10	20	1	1	A	2	1	20	3#12	LIGHTING
SPARE	-	20	1	3	B	4	1	20	-	SPARE
50A SPACE	-	-	-	5	C	6	-	-	-	50A SPACE
50A SPACE	-	-	-	7	A	8	-	-	-	50A SPACE
50A SPACE	-	-	-	9	B	10	-	-	-	50A SPACE
50A SPACE	-	-	-	11	C	12	-	-	-	50A SPACE
50A SPACE	-	-	-	13	A	14	-	-	-	50A SPACE
50A SPACE	-	-	-	15	B	16	-	-	-	50A SPACE
50A SPACE	-	-	-	17	C	18	-	-	-	50A SPACE
50A SPACE	-	-	-	19	A	20	-	-	-	50A SPACE
50A SPACE	-	-	-	21	B	22	-	-	-	50A SPACE

PANEL NAME: EHC1
VOLTAGE: 480Y/277, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 100A MLO FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 30K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — FEED THROUGH LUGS — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
POWER CENTER ELC1	2#6,1#10G,1"C	50	2	1	A	2	3	90*	3#6,1#6G,1"C	ELEVATOR
-	-	-	-	3	B	4	-	-	-	-
SPARE	-	20	1	5	C	6	-	-	-	-
LIGHTING	3#10	20	1	7	A	8	1	20	3#12	STAIR LIGHTING
SPARE	-	20	1	9	B	10	1	20	-	SPARE
SPACE ONLY	-	-	-	11	C	12	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	13	A	14	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	15	B	16	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	17	C	18	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	19	A	20	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	21	B	22	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	23	C	24	-	-	-	SPACE ONLY

* PROVIDE SHUNT TRIP CIRCUIT BREAKER AND INTERCONNECT WITH FIRE ALARM SYSTEM.

PANEL NAME: ELC1
VOLTAGE: 120/240, 1 PHASE, 3 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: *60A PRIMARY, 80A SECONDARY — SERVICE ENTRANCE: NO — FEED: TOP
AIC SYMMETRICAL INTERRUPTING BRACING: 10K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
RECEPTACLES	3#12	20	1	1	A	2	1	20	3#12	ELEVATOR ROOM LIGHTS
ELEVATOR LIGHTS	3#12	20	1	3	B	4	1	20	3#12	FIRE ALARM SYSTEM
RECEPTACLES	3#12	20	1	5	C	6	1	20	3#12	SECURITY PANEL
HOOD FIRE SUPPRESSION PNL	3#10	20	1	7	A	8	1	20	3#12	RECEPTACLES
RECEPTACLE - INTERCOM SYS.	3#12	20	1	9	B	10	1	20	3#12	VOICE EVACUATION PANEL
SPARE	-	20	1	11	C	12	1	20	-	SPARE
SPACE ONLY	-	-	-	13	A	14	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	15	B	16	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	17	C	18	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	19	A	20	-	-	-	SPACE ONLY

* PACKAGED POWER SUPPLY, 15 KVA, 1 PHASE, 480V PRIMARY, 120/240V SECONDARY WITH 60A PRIMARY CIRCUIT BREAKER AND MAX 80A SECONDARY MAIN CIRCUIT BREAKER.

PANEL NAME: EHB2
VOLTAGE: 480Y/277, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 100A MLO FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 30K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
LIGHTING	3#10	20	1	1	A	2	1	20	3#10	LIGHTING
SPARE	-	20	1	3	C	4	1	20	-	SPARE
SPARE	-	20	1	5	A	6	1	20	-	SPARE
50A SPACE	-	-	-	7	C	8	-	-	-	50A SPACE
50A SPACE	-	-	-	9	A	10	-	-	-	50A SPACE
50A SPACE	-	-	-	11	C	12	-	-	-	50A SPACE
50A SPACE	-	-	-	13	A	14	-	-	-	50A SPACE
50A SPACE	-	-	-	15	C	16	-	-	-	50A SPACE
50A SPACE	-	-	-	17	A	18	-	-	-	50A SPACE
50A SPACE	-	-	-	19	C	20	-	-	-	50A SPACE
50A SPACE	-	-	-	21	A	22	-	-	-	50A SPACE

DESCRIPTION	CONDUIT	AMP	POLE	NO	PH	NO	POLE	AMP	CONDUIT	DESCRIPTION
LIGHTING	3#10	20	1	1	A	2	1	20	3#10	LIGHTING
SPARE	-	20	1	3	C	4	1	20	-	SPARE
SPARE	-	20	1	5	A	6	1	20	-	SPARE
50A SPACE	-	-	-	7	C	8	-	-	-	50A SPACE
50A SPACE	-	-	-	9	A	10	-	-	-	50A SPACE
50A SPACE	-	-	-	11	C	12	-	-	-	50A SPACE
50A SPACE	-	-	-	13	A	14	-	-	-	50A SPACE
50A SPACE	-	-	-	15	C	16	-	-	-	50A SPACE
50A SPACE	-	-	-	17	A	18	-	-	-	50A SPACE
50A SPACE	-	-	-	19	C	20	-	-	-	50A SPACE
50A SPACE	-	-	-	21	A	22	-	-	-	50A SPACE
50A SPACE	-	-	-	23	C	24	-	-	-	50A SPACE

PANEL NAME: EHC2
VOLTAGE: 480Y/277, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 100A MLO FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 30K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
POWER CENTER ELC2	2#6,1#10G,1"C	50	2	1	A	2	1	20	3#10	LIGHTING
-	-	-	-	3	B	4	1	20	-	SPARE
50A SPACE	-	-	-	5	C	6	1	20	-	SPARE
50A SPACE	-	-	-	7	A	8	-	-	-	50A SPACE
50A SPACE	-	-	-	9	B	10	-	-	-	50A SPACE
50A SPACE	-	-	-	11	C	12	-	-	-	50A SPACE
50A SPACE	-	-	-	13	A	14	-	-	-	50A SPACE
50A SPACE	-	-	-	15	B	16	-	-	-	50A SPACE
50A SPACE	-	-	-	17	C	18	-	-	-	50A SPACE
50A SPACE	-	-	-	19	A	20	-	-	-	50A SPACE
50A SPACE	-	-	-	21	B	22	-	-	-	50A SPACE
50A SPACE	-	-	-	23	C	24	-	-	-	50A SPACE

PANEL NAME: ELC2
VOLTAGE: 120/240, 1 PHASE, 3 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: *60A PRIMARY, 80A SECONDARY — SERVICE ENTRANCE: NO — FEED: TOP
AIC SYMMETRICAL INTERRUPTING BRACING: 10K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: SURFACE WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
RECEPTACLES	3#10	20	1	1	A	2	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	3	C	4	1	20	3#10	RECEPTACLES
RECEPTACLES	3#10	20	1	5	A	6	1	20	-	SPARE
SPACE ONLY	-	-	-	7	C	8	1	20	-	SPARE
SPACE ONLY	-	-	-	9	A	10	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	11	C	12	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	13	A	14	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	15	C	16	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	17	A	18	-	-	-	SPACE ONLY
SPACE ONLY	-	-	-	19	C	20	-	-	-	SPACE ONLY

* PACKAGED POWER SUPPLY, 15 KVA, 1 PHASE, 480V PRIMARY, 120/240V SECONDARY WITH 60A PRIMARY CIRCUIT BREAKER AND MAXIMUM 80A SECONDARY MAIN CIRCUIT BREAKER.

PANEL NAME: LR1
VOLTAGE: 208Y/120, 3 PHASE, 4 WIRE — QUANTITY OF SECTIONS: 1 — 200% NEUTRAL: NO
MAIN: 100A MLO FULLY RATED — SERVICE ENTRANCE: NO — FEED: BOTTOM
AIC SYMMETRICAL INTERRUPTING BRACING: 10K — EQUIPMENT GROUND BUS: YES
ENCLOSURE: FLUSH WITH FRONT HINGED TO BOX STYLE DOOR, NEMA 1 — ISOLATED GROUND BUS: NO

DESCRIPTION	CONDUCTORS/ CONDUIT	TRIP AMP	POLE	NO	PH	NO	POLE	TRIP AMP	CONDUCTORS/ CONDUIT	DESCRIPTION
RECEPTACLES	3#12	20	1	1	A	2	3	80	4#4,1#8G,1-1/4"C	IC-JB3
RECEPTACLES	3#12	20	1	3	B	4	-	-	-	-
RECEPTACLES	3#12	20	1	5	C	6	-	-	-	-
RECEPTACLES	3#12	20	1	7	A	8	1	20	3#12	RECEPTACLES
RECEPTACLES	3#12	20	1	9	B	10	1	20	-	SPARE
RECEPTACLES	3#12	20	1	11	C	12	1	20	-	SPARE
50A SPACE	-	-	-	13	A	14	-	-	-	50A SPACE
50A SPACE	-	-	-	15	B	16	-	-	-	50A SPACE
50A SPACE	-	-	-	17	C	18	-	-	-	50A SPACE
50A SPACE	-	-	-	19	A	20	-	-	-	50A SPACE
50A SPACE	-	-	-	21	B	22	-	-	-	50A SPACE
50A SPACE	-	-	-	23	C	24	-	-	-	50A SPACE

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NO.	DATE	REVISION/SUBMISSION
1	11/12/04	FIRE MARSHAL AND C.P. REVISIONS

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PANELBOARD SCHEDULE

STATE OF LOUISIANA — DAVID ASSAF, III — LICENSE NO. 16300 — PROFESSIONAL ENGINEER IN MECHANICAL & ELECTRICAL ENGINEERING

PROJECT NO. 03048
DRAWN BY PLM
CHECKED BY AKG
DATE October 15, 2004

SHEET NO.. E4.8 OF

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