

Purchasing Division

## ADDENDUM NO. 1

**DATE:** May 29, 2024  
**FROM:** City of Grand Junction Purchasing Division  
**TO:** All Offerors  
**RE:** Purchase and Installation of Solar Panels for City Hall RFP-5435-24-DD

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded, and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

- 1. Question:** Is there a roof plan and electrical design of the existing City Hall roof?  
**Answer:** Yes, See attached for more information.
- 2. Question:** What is this for and does it need to be accommodated during the panel installation?



**Answer:** This is the antenna stand used for testing antenna arrays. It can be moved to suit panel layout or removed if necessary.

- 3. Question:** Do roof pathways need to be kept clear?  
**Answer:** Yes

4. **Question:** Where is the best access location on the ground floor to get materials and equipment to the roof?

**Answer:** The alley on the east side is the best location to set up a lift or crane. The contractor will need to obtain a permit from the City to work in the Right-of-way.

5. **Question:** Is the City ok with conduits running on the outside of the building to connect the PV panels on the roof to the electrical room?

**Answer:** According to the City Hall As-builts, there are three conduits from the main floor mechanical room to the roof for future use. One of these can be used instead of the surface mounted conduit.

The original solicitation for the project noted above is amended as noted. All other conditions of the subject remain the same.

Respectfully,



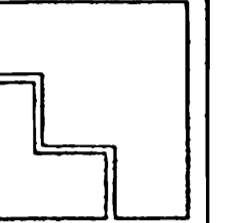
Dolly Daniels, Senior Buyer  
City of Grand Junction, Colorado

# GRAND JUNCTION CITY HALL

250 N. FIFTH STREET

GRAND JUNCTION, COLORADO

Fawhaus Architects, Inc.  
115 N. 5th Street, Suite 440  
Grand Junction, CO 81501  
(970) 243-2122 • Fax (970) 243-1157 • e-mail: fawhaus@fai.net



City Hall  
City of Grand Junction  
Grand Junction, Colorado  
250 N. Fifth Street

TITLE SHEET  
PROJECT INFORMATION  
SHEET INDEX

Project No:  
Date: 9/17/99  
Drawn by: meo  
Revisions:

Sheet No.  
T1-1

## BUILDING DATA

OCCUPANCY:  
GROUP B - OFFICE  
GROUP A-2.1 - ASSEMBLY

CONSTRUCTION:  
TYPE II - ONE HOUR  
(FULLY SPRINKLERED IN LIEU OF  
ONE HOUR CONSTRUCTION)

AREA:  
FIRST FLOOR 23,111 SF  
SECOND FLOOR 23,527 SF  
TOTAL AREA 46,638 SF

## PROJECT DATA

OWNER: CITY OF GRAND JUNCTION  
250 NORTH 5TH STREET  
GRAND JUNCTION, CO 81501

CONTRACTOR: SHAM CONSTRUCTION  
760 HORIZON DRIVE  
GRAND JUNCTION, CO 81506

ARCHITECTS: FAWHAUS ARCHITECTS, INC.  
115 NORTH 5TH STREET  
SUITE 440  
GRAND JUNCTION, CO 81501  
BLYTHE DESIGN + CO.  
322 NORTH 5TH STREET  
GRAND JUNCTION, CO 81501

CIVIL ENGINEER: ROLLAND ENGINEERING, INC.  
405 RIDGES BLVD.  
GRAND JUNCTION, CO 81503

STRUCTURAL ENGINEER: L. J. LINDAUER, INC.  
802 ROOD AVENUE  
GRAND JUNCTION, CO 81501

MECHANICAL/ELECTRICAL ENGINEERS: MKK CONSULTING ENGINEERS, INC.  
827 ROOD AVENUE  
GRAND JUNCTION, CO 81501

AUDIO/VISUAL ENGINEERS: DAVID L. ADAMS ASSOCIATES, INC.  
1701 BOULDER STREET  
DENVER, CO 80211

LANDSCAPE DESIGNER: LANDSCAPE SPECIALTIES, INC.  
2004 12TH STREET  
GRAND JUNCTION, CO 81501

## SHEET INDEX

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# CITY OF GRAND JUNCTION CITY HALL

PREPARED FOR:  
CITY OF GRAND JUNCTION

250 N. 5TH STREET  
GRAND JUNCTION, CO 81501

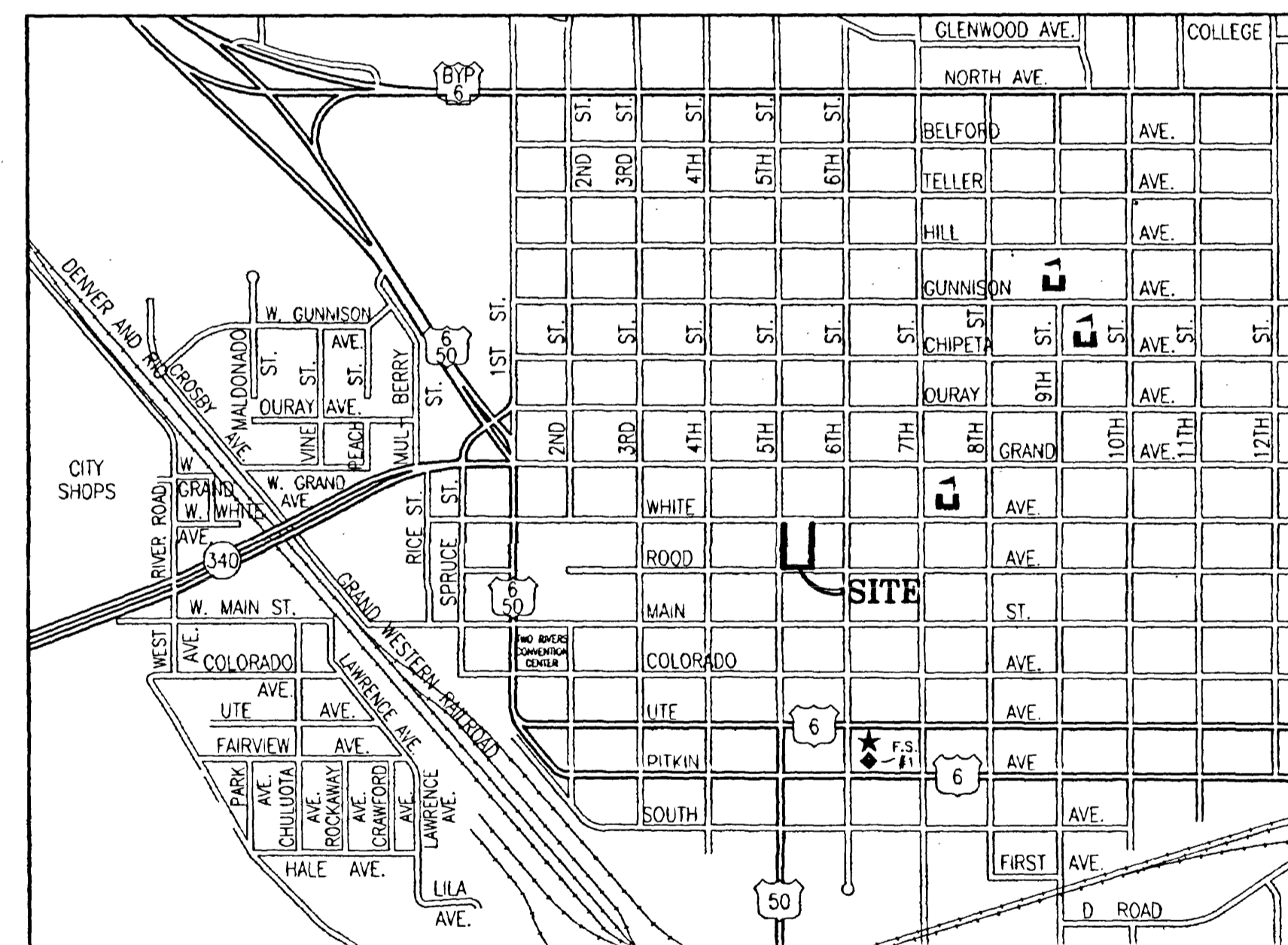
PREPARED BY:  
ROLLAND ENGINEERING

405 RIDGES BLVD.  
GRAND JUNCTION, CO 81503

## GENERAL NOTES

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE CITY OF GRAND JUNCTION STANDARDS, EXHIBITS, AND SPECIFICATIONS UNLESS OTHERWISE NOTED. THESE DRAWINGS TAKE PRECEDENCE WHEN A CONFLICT EXISTS BETWEEN THESE DRAWINGS AND THE ABOVE REQUIREMENTS.
- ALL SANITARY SEWER CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARDS AND SPECIFICATIONS (EXCLUDING MEASUREMENT AND PAYMENT). ALL TESTING IS THE CONTRACTORS RESPONSIBILITY.
- ALL WATER LINE CONSTRUCTION SHALL BE IN ACCORDANCE WITH CITY OF GRAND JUNCTION STANDARDS AND SPECIFICATIONS (EXCLUDING MEASUREMENT AND PAYMENT). ALL DISINFECTION AND TESTING IS THE CONTRACTORS RESPONSIBILITY. THE WATER LINE SHALL BE APPROVED PRIOR TO PAVING.
- ALL WATER LINE SHALL BE C-900 PVC PIPE.
- ALL DIMENSIONS ARE TO THE FACE OF CURB OR CENTER OF STRIPE UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL HAVE ONE COPY OF THE PLANS AND A COPY OF THE CITY OF GRAND JUNCTION'S STANDARD EXHIBITS AND SPECIFICATIONS ON SITE AT ALL TIMES.
- CONSTRUCTION STAKING IS THE CONTRACTORS RESPONSIBILITY.
- THE CONTRACTOR WILL PROVIDE COMPACTION AND MATERIAL TESTING. THIS TESTING WILL BE PER THE CITY OF GRAND JUNCTION SPECIFICATION. PAGE RB-3. THE CONTRACTOR IS RESPONSIBLE FOR SCHEDULING ALL TESTING. ALL RE-TESTING WILL BE AT THE CONTRACTOR'S EXPENSE.
- THE LOCATION OF THE UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. SIGNIFICANT EFFORT HAS BEEN MADE TO IDENTIFY THE EXISTING UTILITIES; HOWEVER, UTILITIES MAY EXIST WHICH ARE NOT SHOWN ON THE DRAWINGS. ADDITIONALLY, THE DEPTH OF EXISTING UTILITIES IS NOT KNOWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES IN THE FIELD BEFORE PERFORMING ANY WORK ON OR AROUND THEM. COORDINATE RELOCATION OF ALL UTILITIES AS NECESSARY TO INSTALL NEW IMPROVEMENTS.
- THE CONTRACTOR SHALL COORDINATE WITH ALL AFFECTED UTILITIES REGARDING RELOCATIONS AND ADJUSTMENTS DURING CONSTRUCTION TO ACCOMPLISH THE WORK IN A TIMELY MANNER WITH MINIMUM DISRUPTION IN SERVICE.
- UNLESS OTHERWISE SPECIFIED, ALL FILL SHALL BE COMPACTED TO AT LEAST 95% OF ASTM-D698 WITHIN 2% OF OPTIMUM MOISTURE CONTENT.
- THE CONTRACTOR SHALL PROVIDE EROSION AND DUST CONTROL ACCORDING TO CITY OF GRAND JUNCTION REQUIREMENTS.
- EXCESS SOIL MATERIALS SHALL BE DISPOSED OF OFF-SITE IN A LEGAL MANNER.
- CLEAR AND GRUB ALL CONSTRUCTION AREAS.

## VICINITY MAP



## BENCHMARK

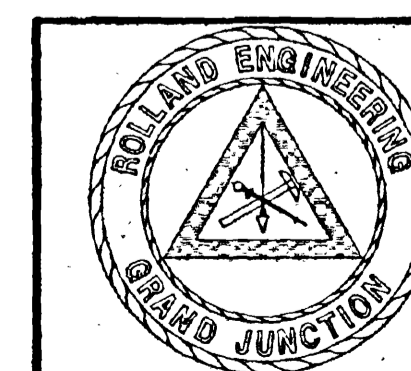
CSM AT 5TH STREET AND WHITE AVENUE  
ELEVATION = 4591.30 NAVD 1988

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CALL UTILITY NOTIFICATION  
CENTER OF COLORADO  
**1-800-922-1987**  
CALL 2 BUSINESS DAYS IN ADVANCE  
BEFORE YOU DIG, GRADE, OR EXCAVATE  
FOR THE MARKING OF UNDERGROUND  
MEMBER UTILITIES.

ACCEPTED FOR CONSTRUCTION	ACCEPTED AS CONSTRUCTED
CITY DEVELOPMENT ENGINEER	CITY DEVELOPMENT ENGINEER
DATE	DATE
CITY UTILITY ENGINEER	CITY UTILITY ENGINEER
DATE	DATE



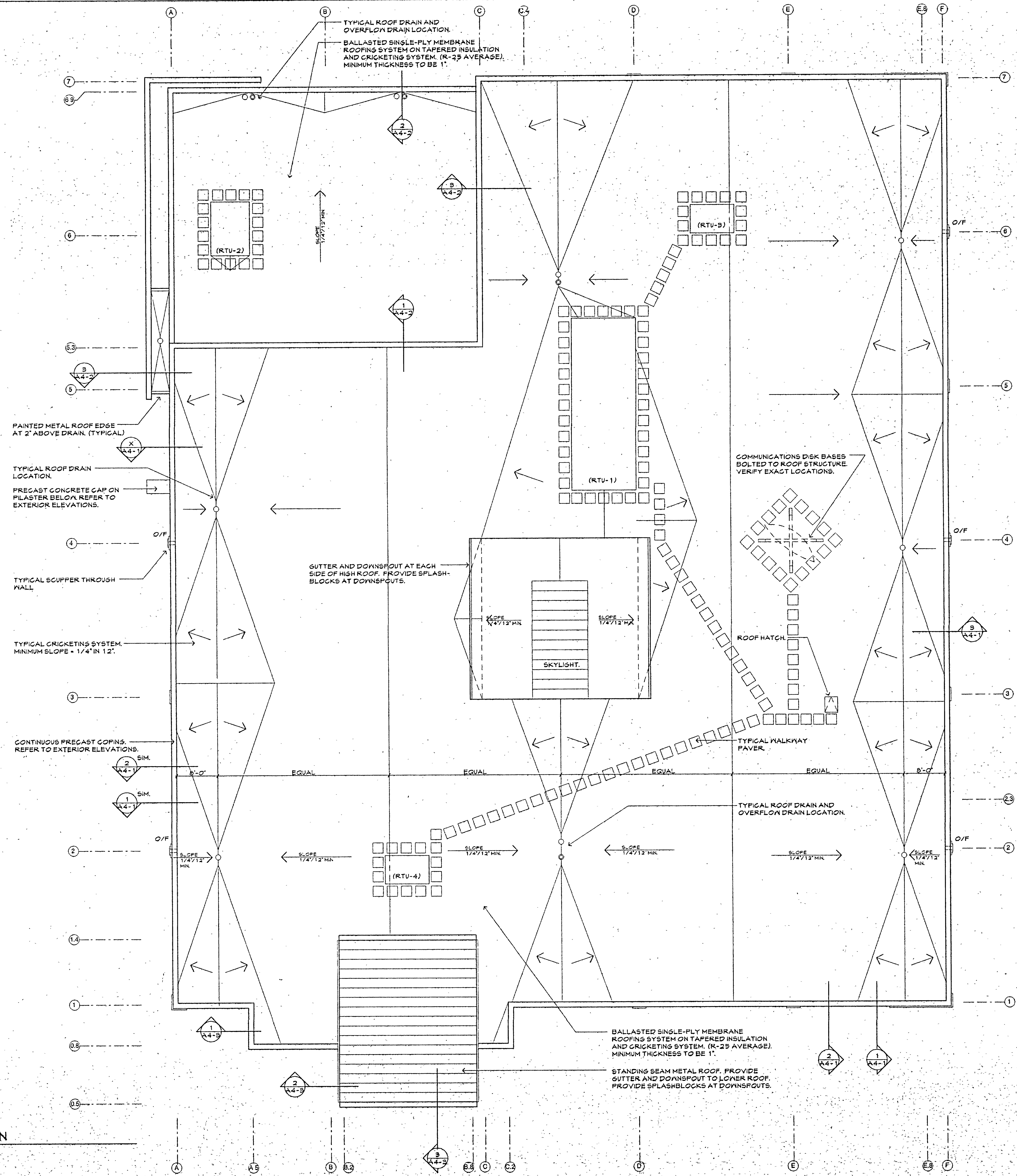
ROLLAND ENGINEERING  
405 Ridges Blvd  
Grand Jct, CO 81503  
(970) 243-8300

File Name: C:\9019\9019CV01.DWG

CITY OF GRAND JUNCTION  
CITY HALL

COVER SHEET

Designed	ESS	Checked	TDR	Proj	9019	Sheet	1
Drawn	ESS	Date	6/11/99	Rev	9/17/99	Of	5



**Fawhaus Architects, Inc.**  
116 N. 5th Street, Suite 440  
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(970) 243-2122 Fax (970) 243-1157 e-mail: fawhaus@fj.net

**City Hall**  
City of Grand Junction  
Grand Junction, Colorado  
250 N. Fifth Street

ROOF PLAN

Project No:  
Date: 9/17/99  
Drawn by: meo  
Revisions:  
Sheet No. **A2-3**

**ELECTRICAL LEGEND**

- LIGHTING**
- DOWNLIGHT
  - WALL MOUNTED FLUORESCENT OR INCANDESCENT LUMINAIRE, AS NOTED
  - CEILING OR WALL MOUNTED HID LUMINAIRE PORCELAIN KEYS
  - SURFACE MOUNTED FLUORESCENT LUMINAIRE
  - RECESS MOUNTED FLUORESCENT LUMINAIRE
  - FLUORESCENT STRIP LUMINAIRE
  - WALL-WASH LUMINAIRE
  - EXTERIOR POLE MOUNTED LUMINAIRE, AS SCHEDULED
  - BOLLARD
  - CEILING OR WALL MOUNTED EXIT SIGN, INSTALL FACES AS INDICATED BY SHADING
  - POLE MOUNTED FLOODLIGHT LUMINAIRE
  - WALL MOUNTED FLOODLIGHT LUMINAIRE
  - LUMINAIRE MOUNTED FLUSH WITH GRADE
  - DIRECTIONAL ACCENT LUMINAIRE
  - LIGHTING CONTROL PANEL
- POWER**
- DUPLEX RECEPTACLE
  - DUPLEX RECEPTACLE 6" ABOVE COUNTER
  - DOUBLE DUPLEX RECEPT. (FOURPLEX)
  - SINGLE RECEPTACLE
  - DUPLEX RECEPT. HALF-SWITCHED
  - DUPLEX RECEPT. WITH ISOLATED GROUND
  - OUTLET WITH SPECIAL DEVICE, AS NOTED
  - WALL MOUNTED OUTLET WITH SPECIAL DEVICE, AS NOTED
  - CEILING MOUNTED DUPLEX RECEPTACLE
  - FLOOR MOUNTED POWER BOX, AS NOTED
  - FLOOR MOUNTED COMBINATION OUTLET BOX, AS NOTED
  - OUTLET BOX
  - WALL MOUNTED OUTLET BOX
  - IN FLOOR OR IN GRADE JUNCTION BOX
  - CLOCK HANGER OUTLET
  - TELE-POWER POLE
  - POWER SUPPLY
  - CONNECTION TO MOTOR
  - MOTOR STARTER
  - SAFETY DISCONNECT SWITCH
  - FUSED DISCONNECT SWITCH
  - COMBINATION DISCONNECT AND STARTER
  - CONNECTION TO PRE-WIRED EQUIPMENT
  - BREAKER PANEL
  - TRANSFORMER
  - WEATHER HEAD
- CIRCUITING**
- CONDUIT RUN
  - CIRCUIT HOMERUN TO PANEL OR CABINET, NO. OF ARROWS INDICATE NO. OF CIRCUITS
  - CIRCUIT TURNED UP
  - CIRCUIT TURNED DOWN
  - CONDUIT STUB-OUT - CAP & MARK
  - CIRCUIT IN FLEXIBLE CONDUIT
- SWITCHING**
- S WALL MOUNTED SWITCH
- SUBSCRIPTS:**
- 2 = DOUBLE POLE
  - 3 = 3-WAY
  - 4 = 4-WAY
  - D = DIMMER
  - M = MANUAL MOTOR STARTER

NOTE: ALL SYMBOLS SHOWN ON LEGEND ARE NOT NECESSARILY USED.

- SCHEMATIC WIRING GRAPHICS**
- METER
  - GROUND CONNECTION AS NOTED
  - DISCONNECT SWITCH
  - FUSES
  - STARTER
  - CIRCUIT BREAKER
  - POWER TRANSFORMER
  - CURRENT TRANSFORMER
  - MOTOR, NUMBER INDICATES HORSEPOWER
  - TRANSIENT VOLTAGE SURGE SUPPRESSION
- FIRE ALARM SYSTEM**
- FIRE ALARM CONTROL PANEL
  - FIRE ALARM ANNUNCIATOR PANEL
  - MANUAL PULL STATION
  - FIRE ALARM STROBE
  - GENERAL ALARM COMBINATION HORN/STROBE
  - FIRE ALARM HORN
  - CEILING OR WALL MOUNTED DETECTOR
    - T = THERMAL
    - P = PHOTOELECTRIC
  - SMOKE DETECTOR IN VENTILATING DUCT
  - SPRINKLER SYSTEM FLOW SWITCH
  - SPRINKLER SYSTEM TAMPER SWITCH
  - REMOTE PILOT LIGHT
  - REMOTE PILOT LIGHT WITH TEST SWITCH
  - DAMPER CONNECTION
- COMMUNICATION SYSTEM**
- WALL MOUNTED TELEPHONE OUTLET
  - WALL MOUNTED DATA OUTLET
    - 2 = INDICATES NUMBER OF ACTIVE PORTS
    - NO NUMBER = 1 ACTIVE PORT
  - WALL MOUNTED COMBINATION TELE/DATA OUTLET
    - M = MOUNTED IN MODULAR FURNITURE RACEWAY UNLESS NOTED OTHERWISE, OUTLET CONTAINS (4) PORTS: (2) TELEPHONE & (2) NETWORK
  - PAY PHONE
  - TELEPHONE TERMINAL BOARD - TTB
- SECURITY SYSTEM**
- CARD READER
  - READER INTERFACE & CONTACT MONITOR
  - MONITOR MODULE
  - CONTACT DOOR SWITCH IN JAMB OR HINGE
  - MAGNETIC DOOR LOCK
  - ELECTRONIC DOOR STRIKE
  - DURESS BUTTON
- NOTATIONS**
- 1 - UPPER CASE LETTER AT LUMINAIRES (F1, I1, ETC.) INDICATES LUMINAIRE TYPE. (F1) = TYPE F1 LUMINAIRES IN AREA INDICATED.
  - 2 - LOWER CASE LETTER AT LUMINAIRES AND SWITCHES (a, b, ETC.) INDICATE ASSOCIATED UNITS FOR SWITCHING.
  - 3 - SHADING WITHIN LUMINAIRE DENOTES UNIT ON EMERGENCY (EM) CIRCUIT.
  - 4 - "NL" WITHIN LUMINAIRES DENOTES UNIT ON 24 HOURS.
  - 5 - PLUS (+) SIGN WITH DIMENSION AT OUTLET INDICATES HEIGHT ABOVE FINISHED FLOOR OR GRADE TO CENTERLINE OF OUTLET.

**MKK**

**MKK CONSULTING ENGINEERS, INC.**  
Mechanical, Electrical & Energy Consultants

827 Road Avenue  
Grand Junction, Colorado 81501  
(970) 245-3177

7350 East Progress Place, Suite 100 Englewood, Colorado 80111 (303) 721-6600      1150 Hammond Drive, Suite C-3200 Atlanta, Georgia 30328 (770) 393-1220

500 East 18th Street Cheyenne, Wyoming 82001-4618 (307) 634-7647      1925 Grand Avenue, Suite 115 Billings, Montana 59102 (406) 245-4497

**ABBREVIATIONS**

NOTE: ALL ABBREVIATIONS SHOWN ARE NOT NECESSARILY USED.

- AC - ABOVE COUNTER
- AFC - ABOVE FINISHED CEILING
- AFF - ABOVE FINISHED FLOOR
- AFG - ABOVE FINISHED GRADE
- AIC - AMPS INTERRUPTING CURRENT
- AL - ALUMINUM
- BFG - BELOW FINISHED GRADE
- CB - CIRCUIT BREAKER
- CPT - CONTROL POWER TRANSFORMER
- CT - CURRENT TRANSFORMER
- CU - COPPER
- EM - EMERGENCY
- EMT - ELECTRICAL METALLIC TUBING
- ES - EMERGENCY STOP
- EW - ELECTRIC WATER COOLER
- FLA - FULL LOAD AMPS
- FO - FIBER OPTIC
- FWE - FURNISHED WITH EQUIPMENT
- GFI - GROUND FAULT INTERRUPTER
- GRC - GALVANIZED RIGID CONDUIT
- HOA - HAND-OFF-AUTOMATIC
- HP - HORSEPOWER
- IDF - INTERMEDIATED DISTRIBUTION FRAME
- IG - ISOLATED GROUND
- LC - LIGHTING CONTACTOR
- MCA - MINIMUM CIRCUIT AMPS
- MCB - MAIN CIRCUIT BREAKER
- MDF - MAIN DISTRIBUTION FRAME
- MLO - MAIN LUGS ONLY
- NC - NORMALLY CLOSED
- NIC - NOT IN CONTRACT
- NL - NIGHT LIGHT
- NO - NORMALLY OPEN
- NTS - NOT TO SCALE
- OC - OVER CURRENT
- OL - OVERLOAD
- R - WEATHERPROOF, GFCI ROOFTOP RECEPTACLE
- SC - SHORT CIRCUIT
- TTB - TELEPHONE TERMINAL BOARD
- UG - UNDERGROUND
- UNO - UNLESS NOTED OTHERWISE
- WP - WEATHERPROOF
- XFR - TRANSFORMER

THESE DRAWINGS ARE DIAGRAMMATIC - REFER TO ARCHITECTURAL DRAWINGS FOR EXACT DIMENSIONS. BRANCH CIRCUITING CONVENTION - #12 AWG PER PHASE AND NEUTRAL (WHERE REQUIRED) AND 20 AMPERE CIRCUIT BREAKER, UNLESS OTHERWISE NOTED. PROVIDE QUANTITY AND SIZE SWITCH CONDUCTORS AS REQUIRED TO MAKE SYSTEM OPERATIONAL.

- GENERAL NOTES (FOR ALL ELECTRICAL SHEETS)**
1. COORDINATE LOCATION OF LUMINAIRES WITH ARCHITECTURAL REFLECTED CEILING PLANS.
  2. 3 AND 4 LAMP FIXTURES SHOWN HALF SHADED SHALL HAVE INBOARD LAMP CONNECTED TO EMERGENCY BATTERY PACK. SEE SPECIFICATIONS.
  3. SITE PLAN DOES NOT INDICATE ALL OF THE US UTILITY LINES. RE: CIVIL DRAWINGS FOR ADDITIONAL INFORMATION. CONTRACTOR TO FIELD VERIFY EXACT LOCATION OF ALL EXISTING UNDERGROUND UTILITY LINES OF ALL TRADES PRIOR TO ANY SITE WORK.
  4. THE LOCATIONS OF ALL SMOKE DETECTORS SHOWN ARE CONSIDERED TO BE SCHEMATIC ONLY. THE ACTUAL LOCATIONS (SPACING TO ADJACENT DETECTORS, WALLS, ETC.) ARE REQUIRED TO MEET NFPA 72.
  5. ADA COMPLIANCE: ALL ADA HORN/STROBE UNITS SHALL BE MOUNTED +80" AFF OR 6" BELOW FINISHED CEILING, WHICH EVER IS LOWER. ELECTRICAL DEVICES PROJECTING FROM WALLS WITH THEIR LEADING EDGES BETWEEN 27" AND 80" AFF SHALL PROTRUDE NO MORE THAN 4" INTO WALKS OR CORRIDORS. ELECTRICAL AND COMMUNICATIONS SYSTEMS RECEPTACLES ON WALLS SHALL BE 15" MINIMUM AFF TO BOTTOM OF COVERPLATE.
  7. COORDINATE EXACT EQUIPMENT LOCATIONS WITH OWNER PRIOR TO ROUGH-INS.
  8. COORDINATE LOCATION OF ALL OUTLETS WITH ARCHITECTURAL ELEVATIONS, CASEWORK SHOP DRAWINGS AND EQUIPMENT INSTALLATION DRAWINGS.
  9. COORDINATE LOCATION OF MECHANICAL EQUIPMENT WITH MECHANICAL PLANS AND MECHANICAL CONTRACTOR PRIOR TO ROUGH-IN.
  10. ANY ITEMS DAMAGED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR.
  11. ALL TRANSFORMERS INDICATED TO BE SUSPENDED FROM STRUCTURE SHALL BE SUPPORTED BY A UNISTRUT FRAME ATTACHED TO THE STRUCTURE.
  12. CONTRACTOR SHALL NOT ROUTE ANY CONDUIT WITHIN STRUCTURAL OR TOPPING SLABS OF FLOORS UNLESS NOTED TO DO SO.
  13. REFER TO ARCHITECTURAL PLANS, ELEVATIONS AND DIAGRAMS FOR LOCATIONS OF FLOOR DEVICES AND WALL DEVICES. LOCATION WILL INDICATE VERTICAL AND/OR HORIZONTAL MOUNTING. IF DEVICES ARE NOT NOTED OTHERWISE THEY SHALL BE MOUNTED LONG AXIS VERTICAL AT +18" TO CENTER.
  14. CABLE TRAY SHALL BE ALUMINUM, LIGHT DUTY 6" RUNG SPACING, WITH ALL TEE FITTINGS AND HARDWARE NECESSARY FOR A COMPLETE SYSTEM AS SHOWN. TRAY SHALL BE SUPPORTED FROM STRUCTURE AT A MAXIMUM 10'-0" INTERVALS WITH CENTER HUNG SUPPORT. COORDINATE EXACT LOCATION OF ALL CABLE TRAY WITH OTHER DISCIPLINES TO INSURE UNOBSTRUCTED PATH ACCESSIBLE FROM BELOW FOR CABLE MANAGEMENT. PROVIDE 1/2" THREADED ROD FOR EACH SUPPORT.
  15. INFORMATION ON THE DRAWINGS HAS BEEN ASCERTAINED FROM EXISTING DRAWINGS AND CASUAL FIELD OBSERVATIONS. THIS INFORMATION IS AS ACCURATE AS CONDITIONS WOULD ALLOW. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VISIT THE SITE, PRIOR TO BID, AND FAMILIARIZE HIMSELF WITH THE EXTENT OF REMODEL WORK REQUIRED. NO EXTRAS WILL BE ALLOWED FOR ALTERATIONS OF A FORESEEABLE NATURE REQUIRED TO ACHIEVE THE END RESULT AS INDICATED BY CONTRACT DOCUMENTS.

**Fawhaus Architects, Inc.**  
115 N. 5th Street, Suite 440 Grand Junction, CO 81501  
(970) 245-2122 fax (970) 245-1157 e-mail: info@fawhaus.com

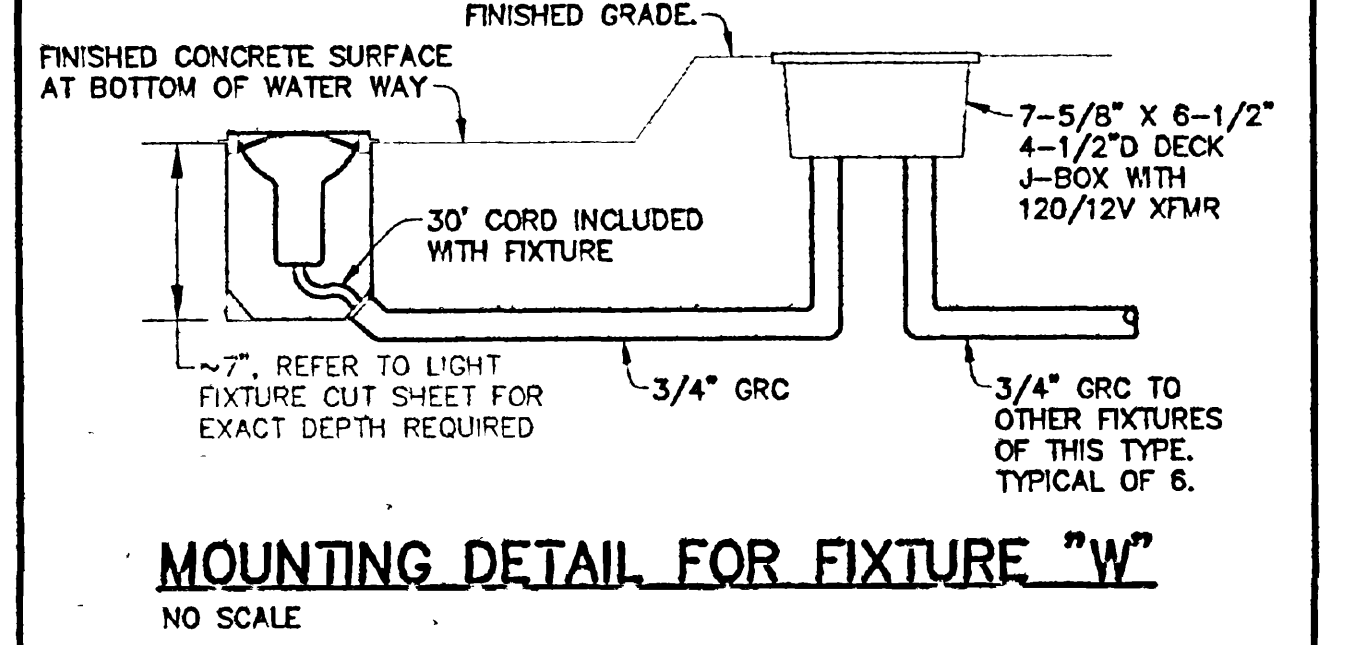
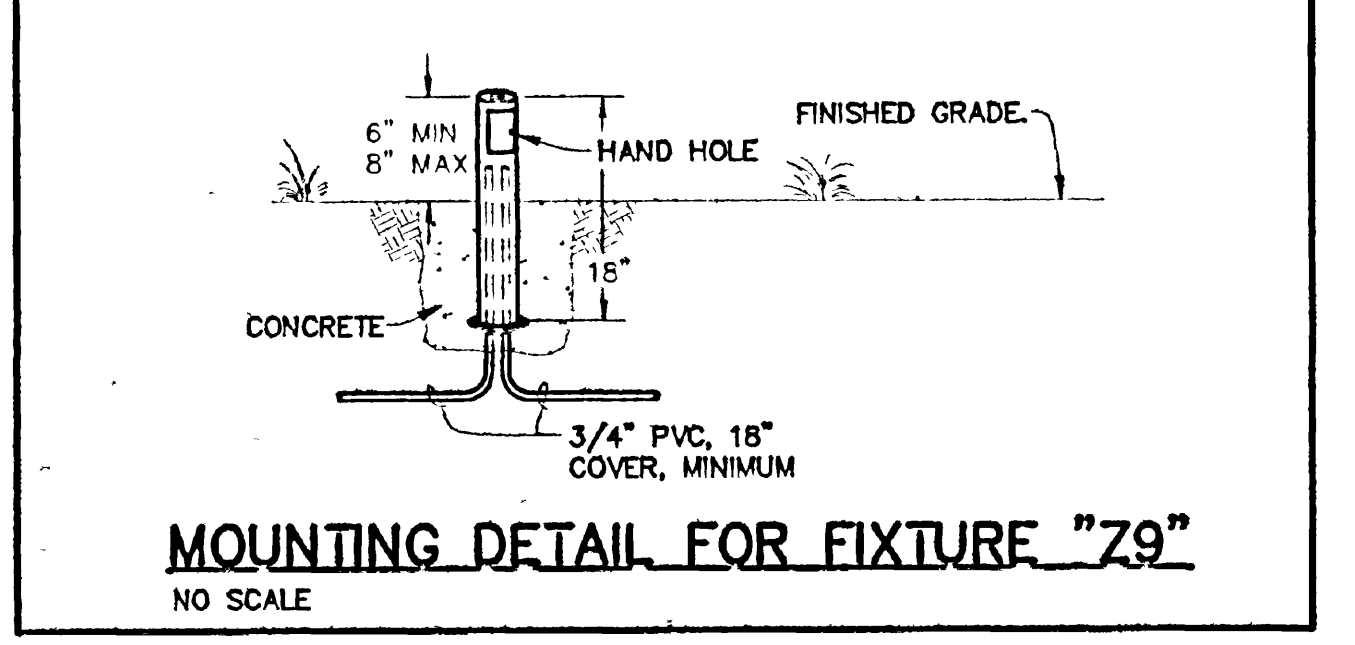
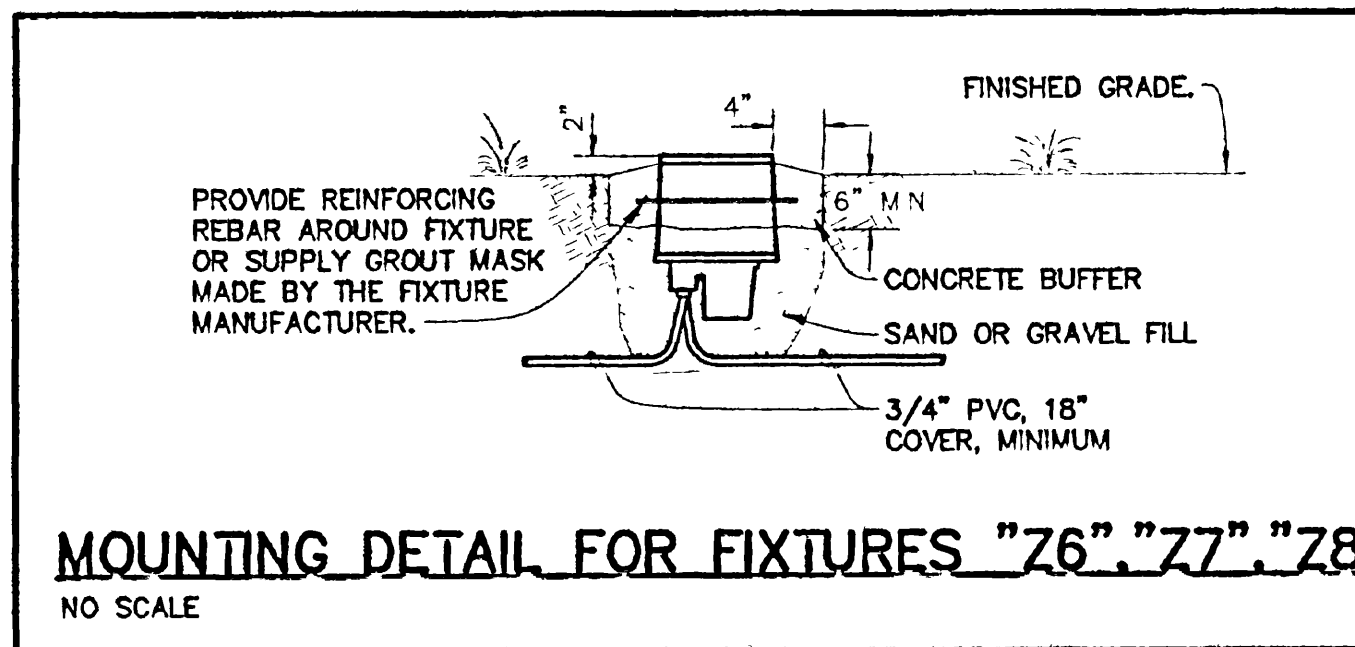
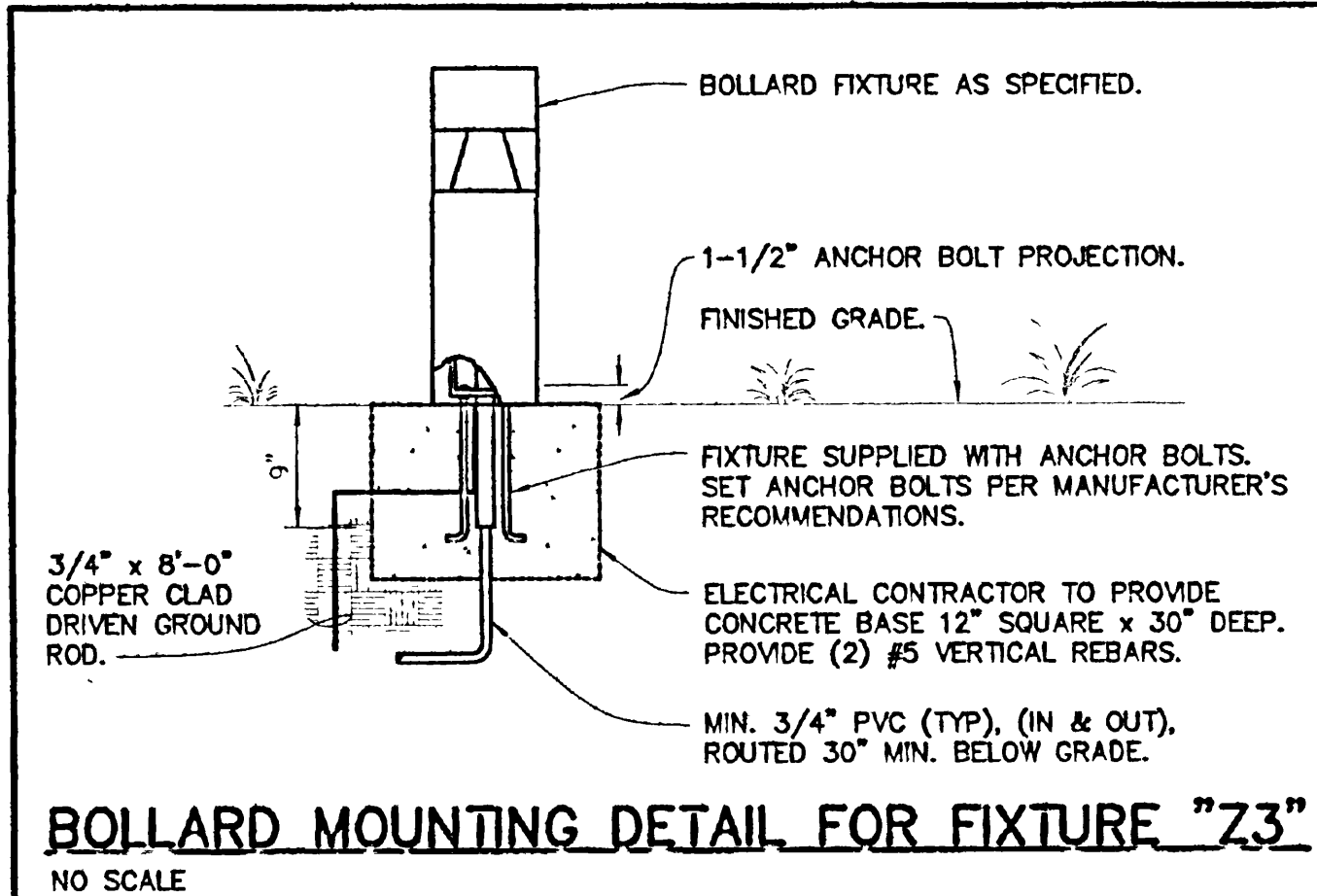
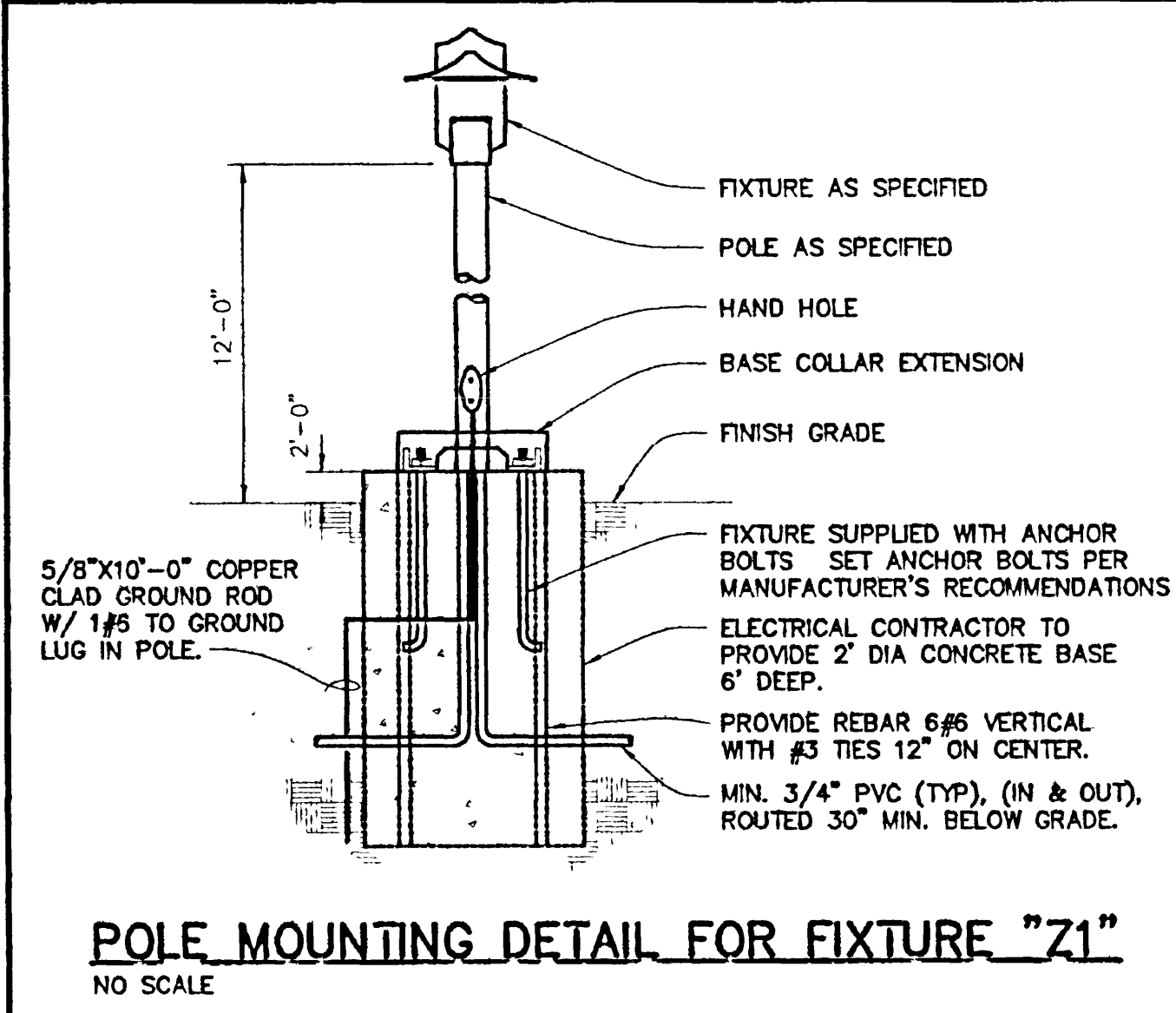
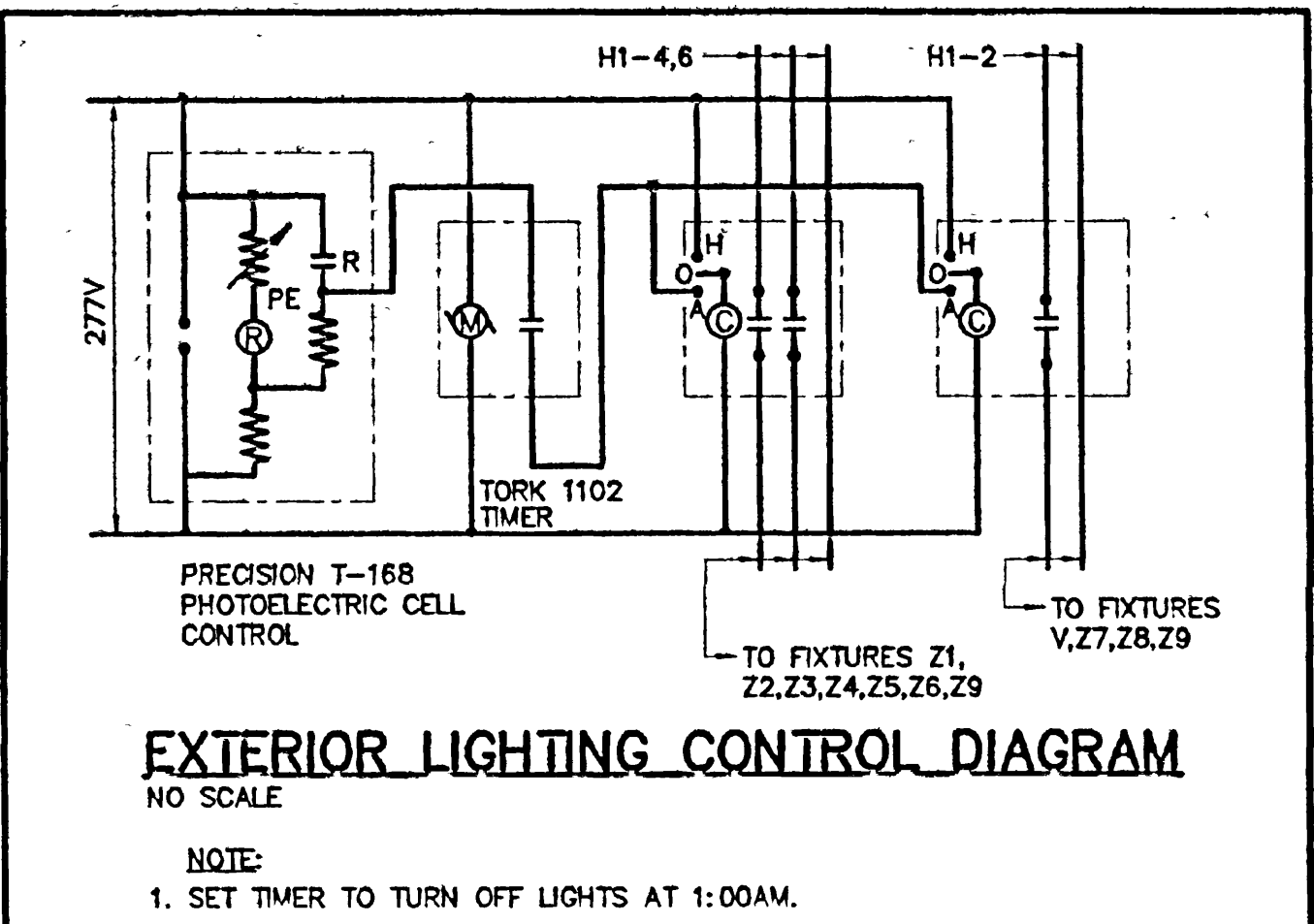
**MKK CONSULTING ENGINEERS, INC.**  
Mechanical, Electrical & Energy Consultants  
827 Road Avenue Grand Junction, CO 81501  
(970) 245-3177 fax (970) 245-4497

**CITY HALL**  
CITY of GRAND JUNCTION  
Grand Junction, Colorado  
749 North Fifth Street

ELECTRICAL  
COVER SHEET

Project No: 9951  
Date: 9/7/99  
Drawn by: DGD  
Reviewed:

Sheet No: **E0.1**

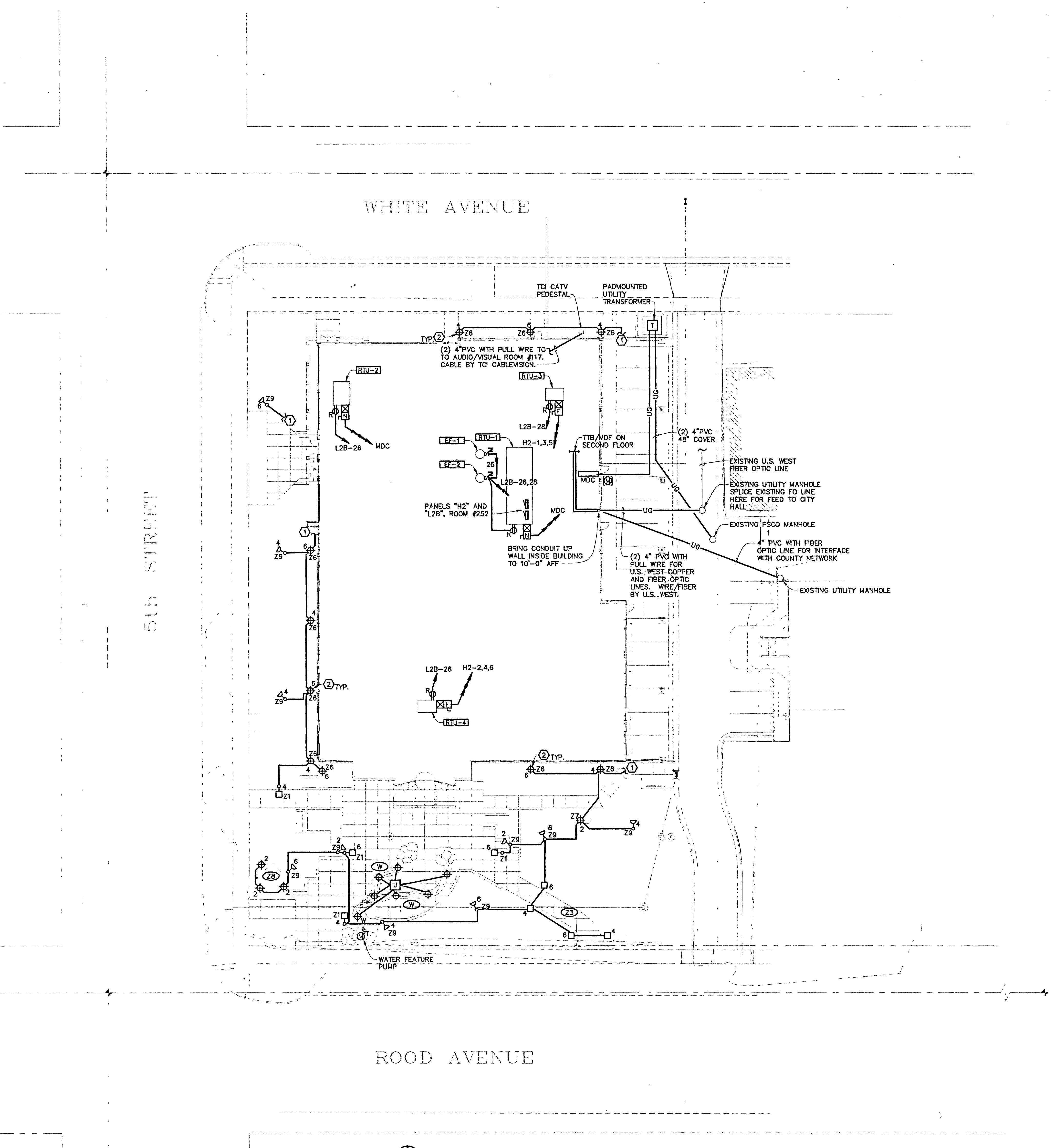


**FLAG NOTES THIS SHEET:**

1. EXTEND BRANCH CIRCUIT TO FIXTURES SHOWN ON SHEET E2.1.
2. INSTALL Z6 FIXTURE WITH CENTER OF LAMP 1'-6" TO 2'-0" FROM EDGE OF WALL.

**GENERAL NOTES:**

1. ALL LIGHTING CONDUIT IS UNDERGROUND UNLESS NOTED OTHERWISE.



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**CITY HALL**  
CITY OF GRAND JUNCTION  
Grand Junction, Colorado  
250 North Fifth Street

**ELECTRICAL SITE**

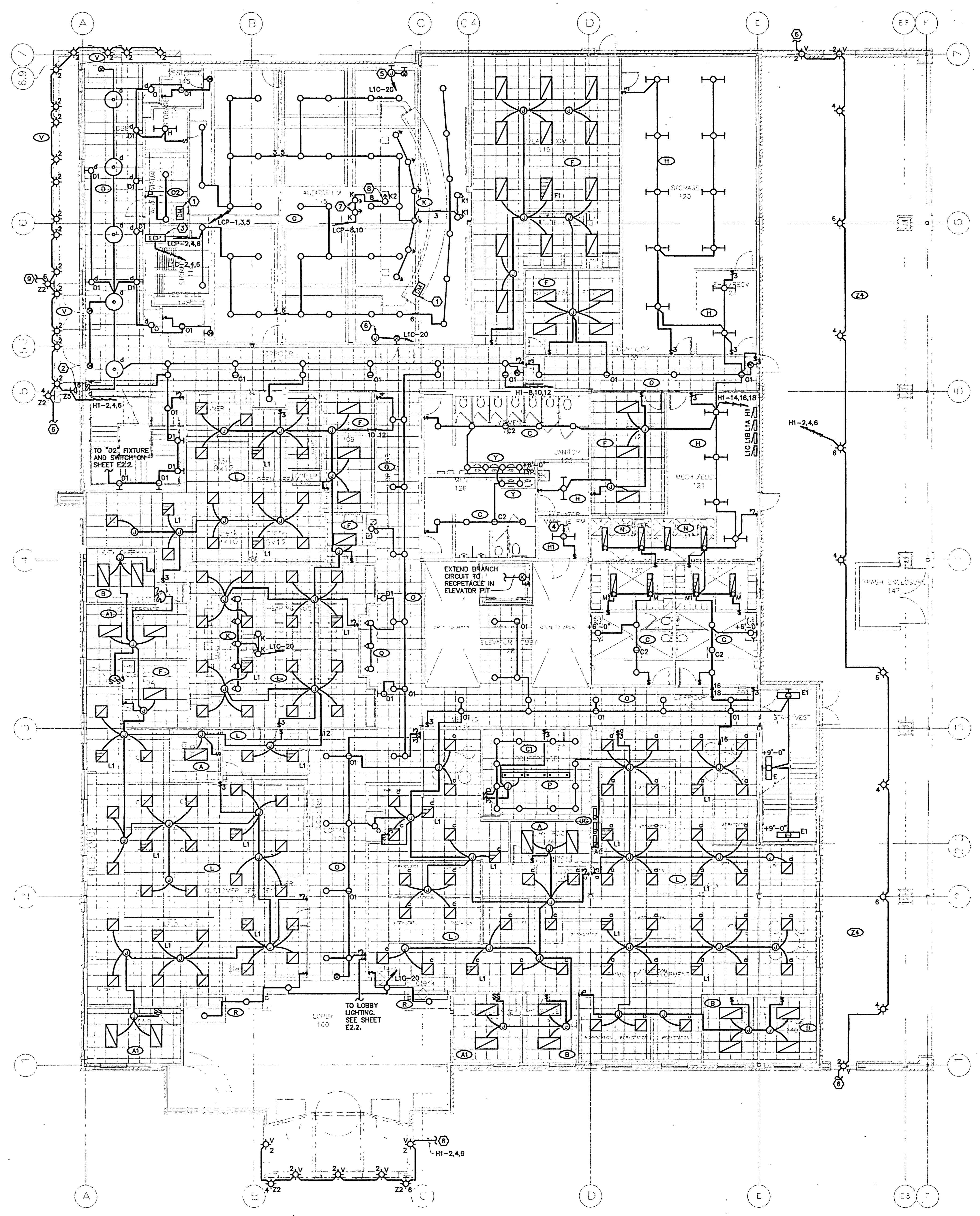
Project No: 2351  
Date: 9/17/99  
Drawn by: DCC  
Revisions:

Sheet No: **E1.1**

D	MANUFACTURER	CATALOG NUMBER	VOLTAGE	BALLAST CATALOG NUMBER	DESCRIPTION
A	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
A1	LITHONIA	277	277	(2) ELECTRONIC BALLAST & 3500K LAMPS.	
B	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
C	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
D	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
E	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
F	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
G	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
H	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
I	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
J	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
K	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
L	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
M	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
N	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
O	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
P	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
Q	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
R	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
S	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
T	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
U	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
V	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
W	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
X	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
Y	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	
Z	LITHONIA	277	277	23-3/4" X 48" L X 5-1/16" H TROFFER WITH 15 CELL NON PREHEATED SPOTLIGHT SILVER LOWER, ELECTRONIC BALLAST & 3500K LAMPS.	

**FLAG NOTES THIS SHEET:**

1. DIMMING CONTROL MASTER STATION. REFER TO RISER DIAGRAM ON SHEET E2.2.
2. MOUNT FIXTURE ON "ROOF" SURFACE OF AUDITORIUM SOFFIT APPROXIMATELY 5" WEST OF THE WALL.
3. AUDITORIUM LIGHTING CONTROL PANEL. LITHONIA SEDUCEL SYSTEM OR APPROVED EQUIVALENT.
4. EXTEND BRANCH CIRCUIT TO SERVICE RECEPTACLE IN ELEVATOR MACHINE ROOM #143. SEE SHEET E3.1.
5. MOUNT OUTLET BOX IN BOTTOM OF COVE (9" AFF) FOR ACCENT LIGHTING. PROVIDE 30" OF LIGHT ROPE. FIXTURE TYPE "LA", LAID ALONG THE LENGTH OF THE COVE. SECURE LIGHT ROPE AT 5' INTERVALS. REFER TO AUDITORIUM ELEVATIONS, SHEET A5-5, AND AUDITORIUM WALL DETAILS, SHEET A5-7.
6. EXTEND BRANCH CIRCUIT TO EXTERIOR LIGHT FIXTURES SHOWN ON SHEET E1.1.
7. FIXTURES ARE TO BE AIMED AT THE PODIUM IN FRONT OF THE DIAS IN SUCH A MANNER THAT THE PODIUM AND THE SPEAKER ARE ILLUMINATED.
8. FIXTURE IS TO BE AIMED AT THE DOCUMENT TABLE TO ILLUMINATE ANY DOCUMENT ON THE TABLE.



**FIRST FLOOR LIGHTING PLAN**  
SCALE: 1/8" = 1'-0"  
1 2 3 4 5 6 7 8 9 10 11 12

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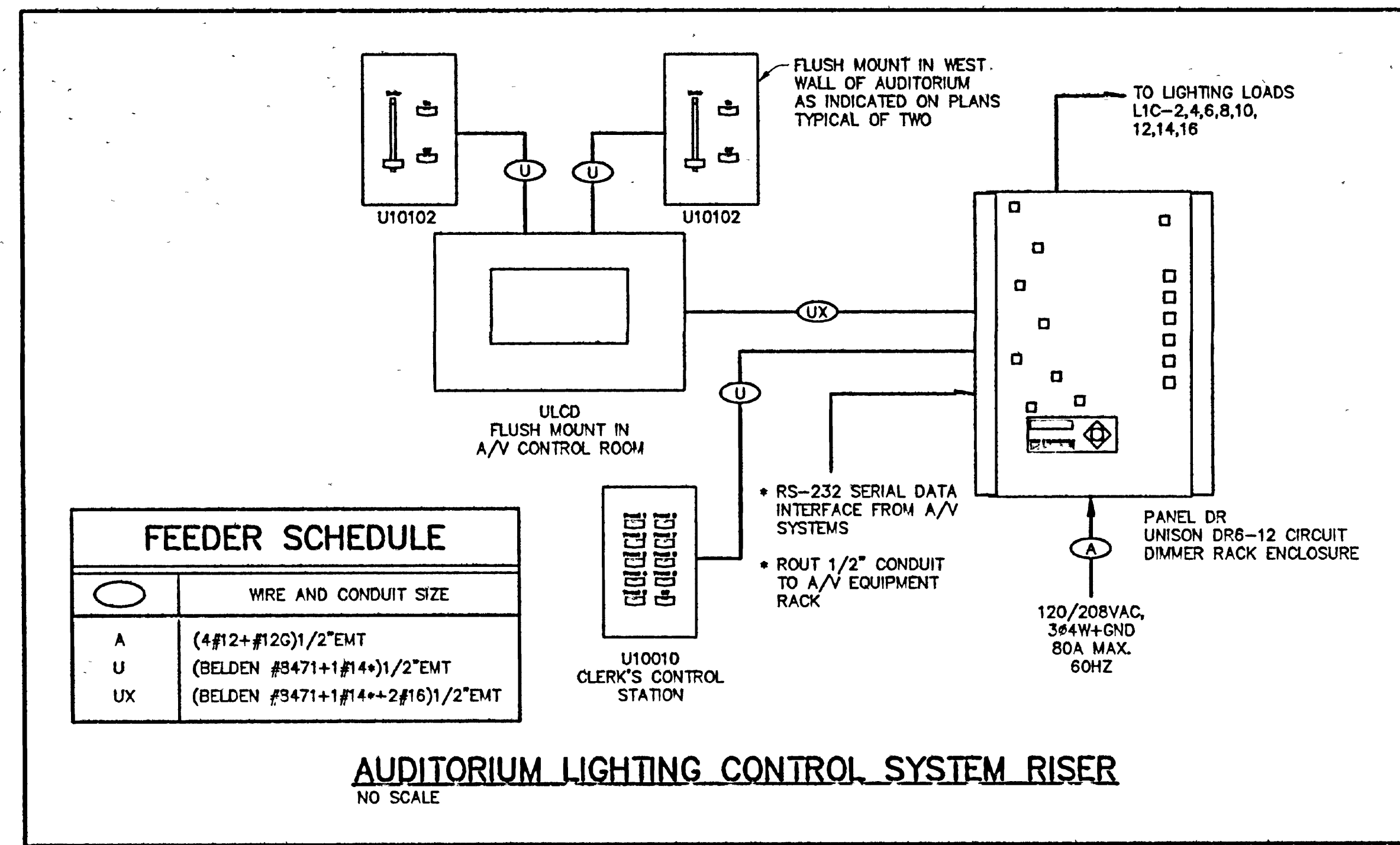
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**CITY HALL**  
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PROJECT No: 9951  
Date: 9/17/99  
Drawn by: DGD  
Revisions:

Sheet No: **E2.1**

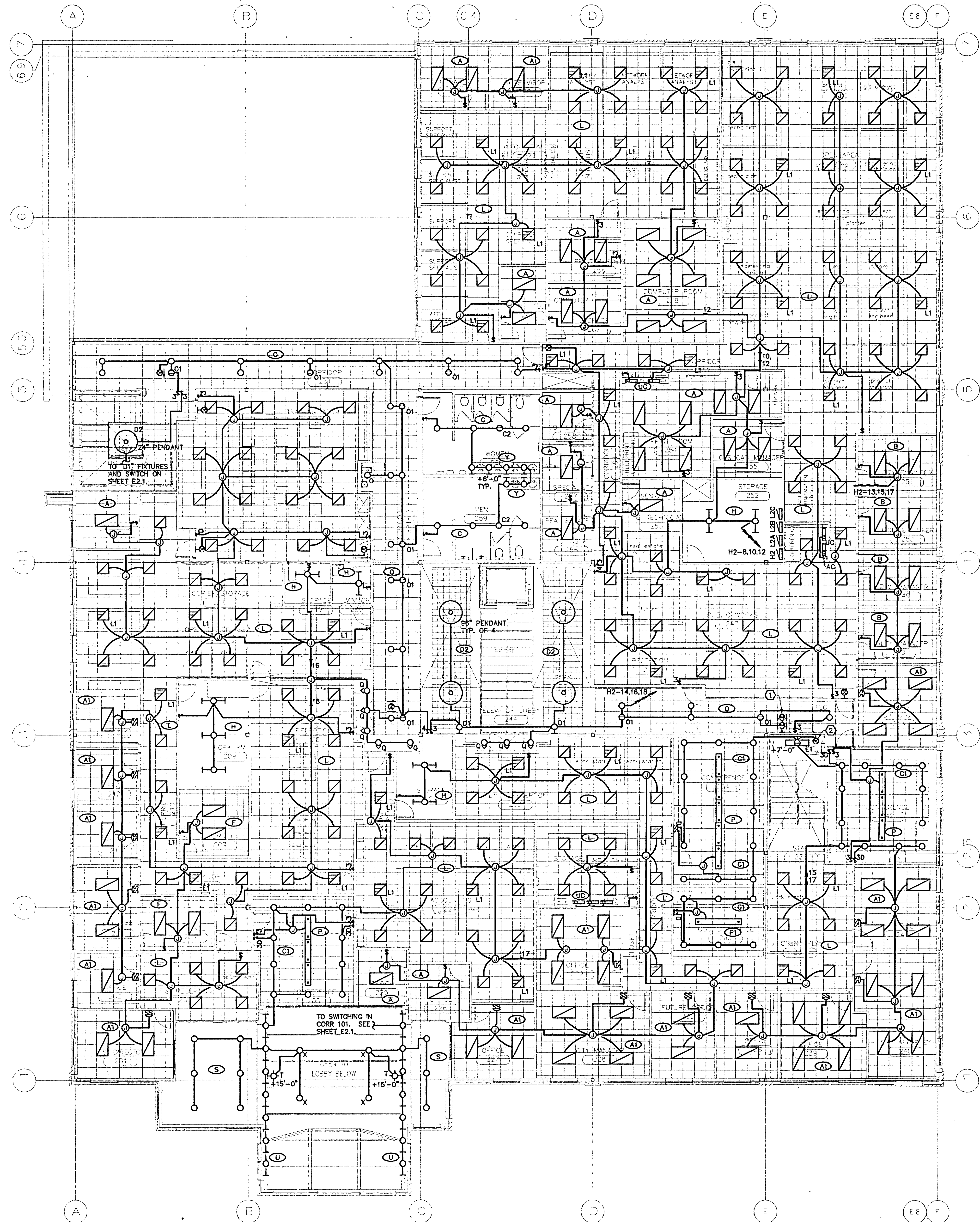




**AUDITORIUM #115 DIMMER RACK (LCP) SCHEDULE**

ZONE	ZONE DESCRIPTION	DIMMER RACK CIRCUIT	LOAD TYP	PHASE A LOAD (W)	PHASE B LOAD (W)	PHASE C LOAD (W)
1	NW PARTITIONED AREA	DR-1	INCANDESCENT	1200		
2	SW PARTITIONED AREA	DR-2	INCANDESCENT	900		
3	CITY SEAL WALL WASH	DR-3	INCANDESCENT		100	
4	SOUTH CENTRAL	DR-4	INCANDESCENT		1500	
5	NORTH CENTRAL	DR-5	INCANDESCENT			1500
6	BEHIND DIAS	DR-6	INCANDESCENT			900
7	SPARE	DR-7	INCANDESCENT	0		
8	DOCUMENT TABLE SPOT	DR-8	INCANDESCENT	50		
9	SPARE	DR-9	INCANDESCENT		0	
10	PODIUM FLOODS	DR-10	INCANDESCENT		100	
11	SPARE	DR-11	INCANDESCENT			0
12	SPARE	DR-12	INCANDESCENT			0
TOTAL LOADS				2150	1700	2400

- FLAG NOTES THIS SHEET:**
1. FIXTURE INDICATED IS SIMILAR TO 2-SIDED EXIT SIGNAGE EXCEPT WITH SPECIAL WORDING. SIGN IS TO READ "AREA OF RESCUE ASSISTANCE" WITH HANDICAP SYMBOL. LITHONIA CATALOG #RP 2 GMR DA 120/277 EL N.
  2. FIXTURE INDICATED IS SIMILAR TO 1-SIDED EXIT SIGNAGE EXCEPT WITH SPECIAL WORDING. SIGN IS TO READ "AREA OF RESCUE ASSISTANCE" WITH HANDICAP SYMBOL. LITHONIA CATALOG #RP 1 CC 120/277 EL N.



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SECOND FLOOR  
LIGHTING PLAN

Project No: 9951  
Date: 9/17/99  
Drawn by: DDD  
Revisions:

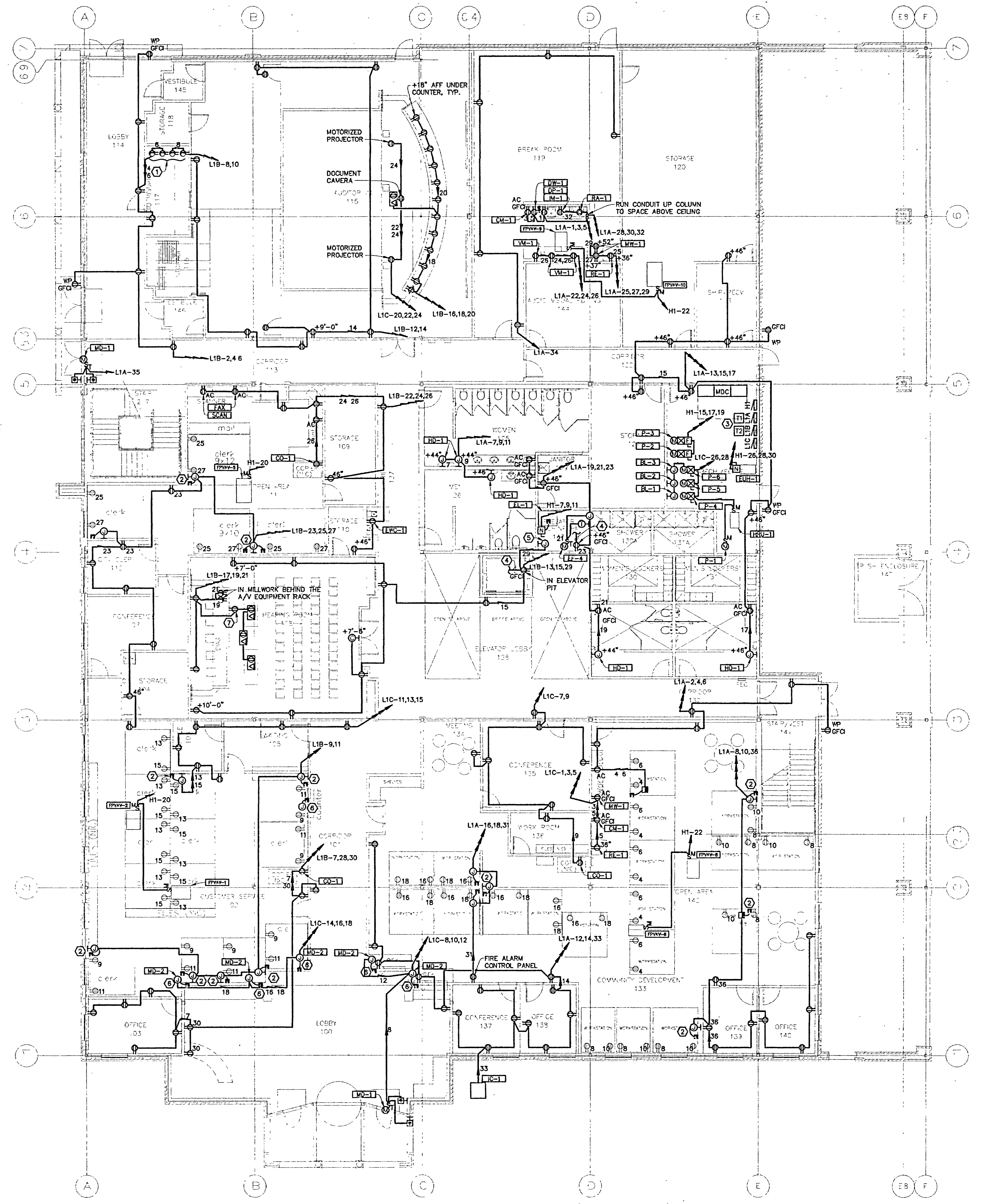
Sheet No: **E2.2**

EQUIPMENT SCHEDULE - MECHANICAL			
DESCRIPTION	BRAND/TYPE	GROUNDING	CONTROL
BL-1 150 W 120 V 1PHASE	EMT #12	NONE	20A NR
BL-2 150 W 120 V 1PHASE	EMT #12	NONE	20A NR
BL-3 150 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-1 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-2 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-3 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-4 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-5 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-6 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-7 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-8 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-9 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-10 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-11 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-12 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-13 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-14 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-15 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-16 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-17 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-18 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-19 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-20 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-21 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-22 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-23 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-24 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-25 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-26 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-27 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
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CH-29 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-30 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
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CH-33 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-34 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-35 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-36 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-37 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-38 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-39 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-40 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-41 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-42 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-43 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-44 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
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CH-56 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
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CH-58 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-59 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-60 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-61 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
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CH-63 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-64 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-65 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-66 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
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CH-69 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-70 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-71 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-72 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-73 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-74 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-75 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-76 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-77 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-78 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-79 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-80 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-81 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-82 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-83 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-84 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-85 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-86 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-87 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-88 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
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CH-90 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-91 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-92 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-93 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-94 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-95 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-96 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-97 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-98 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-99 330 W 120 V 1PHASE	EMT #12	NONE	20A NR
CH-100 330 W 120 V 1PHASE	EMT #12	NONE	20A NR

FOOTNOTES:  
 1. PROVIDE AND INSTALL A SMOKE DETECTOR IN THE SUPPLY DUCT OF THE UNIT. WIRE TO SIGNAL ALARM AT FACP ON PRESENCE OF SMOKE. WIRE RELAY IN FACP TO SHUT DOWN THE UNIT ON ALARM. PROVIDE REMOTE INDICATOR AND TEST SWITCH.  
 2. RECEIVE STATE SPEED CONTROLLER FROM MECHANICAL CONTRACTOR. MOUNT AND WIRE IN FAN HOUSING.  
 3. UNIT IS TO RUN CONTINUOUSLY.  
 4. RECEIVE 120V THERMOSTAT FROM MECHANICAL CONTRACTOR. MOUNT AND WIRE PER PLANS.  
 5. RECEIVE MAGNETIC STARTER FROM CONTRACTOR.  
 6. PROVIDE AND INSTALL A SMOKE DETECTOR IN THE RETURN DUCT OF THE UNIT. WIRE TO SIGNAL ALARM AT FACP ON PRESENCE OF SMOKE. WIRE RELAY IN FACP TO SHUT DOWN THE UNIT ON ALARM. PROVIDE REMOTE INDICATOR WITH TEST SWITCH.

- FLAG NOTES THIS SHEET:**
1. MOUNT FOUR ISOLATED GROUND DUPLEX RECEPTACLES STACKED VERTICALLY 6" OC IN AUDITORIUM EQUIPMENT RACK.
  2. CONNECTION TO MODULAR FURNITURE RACEWAY. MODULAR FURNITURE RACEWAY BY OTHERS.
  3. MOUNT TRANSFORMERS ON WALL ABOVE PANELS. REFER TO THE SPECIFICATIONS FOR FURTHER INSTRUCTIONS.
  4. EXTEND BRANCH CIRCUIT TO LIGHT FIXTURE IN THIS ROOM.
  5. BRANCH CIRCUIT FOR ELEVATOR CAB LIGHTING AND POWER.
  6. CONNECTION TO ROLL-DOWN DOOR. DOOR AND CONTROLLER PROVIDED AND INSTALLED BY DOOR VENDOR.
  7. MOUNT RECEPTACLE HORIZONTALLY IMMEDIATELY ABOVE THE 4" SOLID WOOD BASE ON THE DAIS (APPROX. 5" AFF). REFER TO DAIS ELEVATIONS ON SHEET AS.4.

- GENERAL NOTES:**
1. CONTRACTOR MAY USE APPROVED MC CABLE IN WALLS ONLY.
  2. RECEPTACLES SHOWN IN LIGHT LINE WEIGHT ARE MOUNTED IN MODULAR FURNITURE RACEWAY BY THE FURNITURE CONTRACTOR.



**FIRST FLOOR POWER PLAN**  
 SCALE: 1/8" = 1'-0"  
 NORTH

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 CITY OF GRAND JUNCTION  
 250 North Fifth Street  
 Grand Junction, Colorado

FIRST FLOOR  
 POWER PLAN

Project No 9951  
 Date 9/17/99  
 Drawn by DGD/KLT  
 Revisions

Sheet No  
**E3.1**

09104178.tif

EQUIPMENT SCHEDULE - OWNER SUPPLIED EQUIPMENT									
DESCRIPTION	RATINGS	BRANCH CIRCUIT	FUSEWAY	BREAKER	CONTROLLER	CONTROL DEVICE	DISCONNECT	GROUNDING	FOOTNOTES
DISCONNECTS									
COB = COMBINATION STARTER/DISCONNECT	30/20 = 30A FRAME/20A FUSE								
CON = CONTACTOR	30/ = 30A FRAME/NO FUSE								
MAG = MAGNETIC MOTOR STARTER	MAN = MANUAL MOTOR STARTER								
NR = NONE REQUIRED	PI = PLUS IN								
FU = FUSESTAT	FI = FUSESTAT								
MU = MOUNTED WITH EQUIPMENT	MI = MOUNTED AND MISSED WITH EQUIPMENT								
DESCRIPTION	RATINGS	BRANCH CIRCUIT	FUSEWAY	BREAKER	CONTROLLER	CONTROL DEVICE	DISCONNECT	GROUNDING	FOOTNOTES
AR-1	200 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
AREA OF RESCUE ASST. PHONE		EMT #12	---	20A	NR	NONE REQUIRED			
BP-1	1000 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
BLUEPRINT MAGNIE		EMT #12	---	20A	NR	NONE REQUIRED			
CH-1	1000 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
COFFEE MAKER		EMT #12	---	20A	NR	NONE REQUIRED			
CO-1	1500 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
COOPER		EMT #12	---	20A	NR	NONE REQUIRED			
CO-2	1200 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
COOPER		EMT #12	---	20A	NR	NONE REQUIRED			
CP-1	500 HP 120 V 1PHASE	0.50 IN 2	---	20A	MU	SWITCH			
COPIER		EMT #12	---	20A	NR	NONE REQUIRED			
EW-1	1500 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
EXHWASHER		EMT #12	---	20A	NR	NONE REQUIRED			
FAX	200 A 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
FAX MACHINE		EMT #12	---	20A	NR	NONE REQUIRED			
FAX-1	200 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
HAND DRYER		EMT #12	---	20A	NR	NONE REQUIRED			
IC-1	250 A 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
REGISTRATION CONTROLLER		EMT #12	---	2.5 A NR					
IC-1	250 HP 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
ICE MACHINE		EMT #12	---	13.2 A PI					
IC-1	250 HP 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
MOTORIZED DOOR (ACCESSIBLE)		EMT #12	---	20A	NR	NONE REQUIRED			
MD-2	500 HP 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
MOTORIZED DOWN DOOR		EMT #12	---	2.4 A MAN					
MP-1	800 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
MICROWAVE		EMT #12	---	2.5 A PI					
PT-1	1000 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
PROJECTOR		EMT #12	---	8.5 A PI					
R-1	8500 W 208 V 1PHASE	0.75 IN 2	---	85A	NR	NONE REQUIRED			
RANGE		EMT #12	---	40 A PI					
REC-1	1500 W 120 V 1PHASE	0.50 IN 2	---	20A	MU	NONE REQUIRED			
REFRIGERATOR		EMT #12	---	12.5 A PI					
REC-2	250 HP 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
REFRIGERATOR - UNDERCABINET		EMT #12	---	5.6 A PI					
RS-1	250 A 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
RANGE HOOD (NON-VENTED)		EMT #12	---	2.5 A NR					
SCAN	400 A 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
SCANNER		EMT #12	---	4.0 A PI					
UPS	8.00 KW 120 V 3PHASE	1.00 IN 4	---	20A	NR	NONE REQUIRED			
UNINTERRUPTIBLE POWER SUPPLY		EMT #12	---	38.5 A PI					
VA-1	1500 W 120 V 1PHASE	0.50 IN 2	---	20A	NR	NONE REQUIRED			
VENDING MACHINE		EMT #12	---	12.5 A PI					

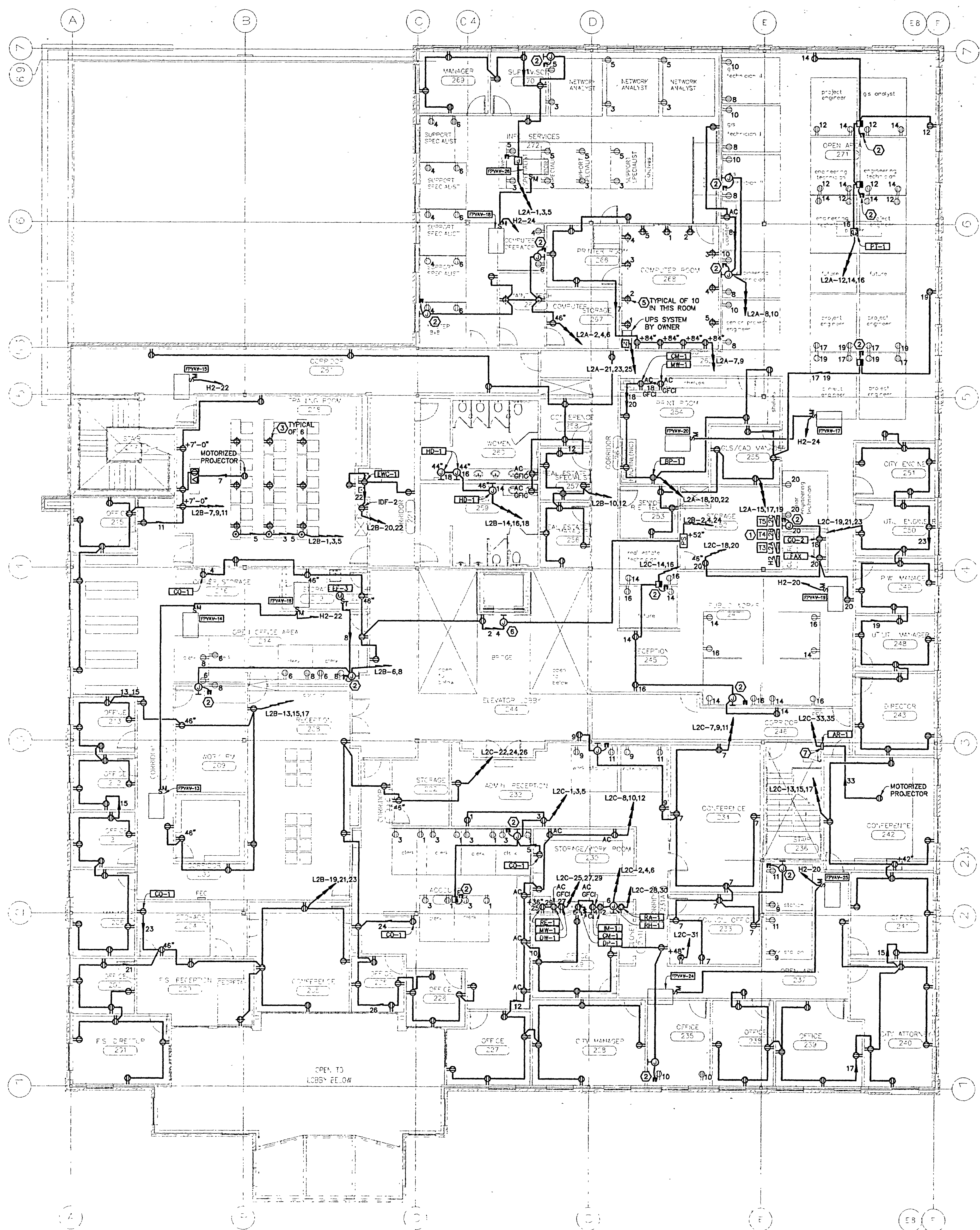
FOOTNOTES:  
1. USE BACKBOX PROVIDED WITH HAND DRYER FOR THE J-BOX SHOWN ON THE PLANS.

**FLAG NOTES THIS SHEET:**

1. MOUNT TRANSFORMERS ON WALL ABOVE PANEL. REFER TO SPECIFICATIONS FOR FURTHER INSTRUCTIONS.
2. CONNECTION TO MODULAR FURNITURE RACEWAY. MODULAR FURNITURE RACEWAY BY OTHERS.
3. MOUNT RECEPTACLES ON FURNITURE AT 18" AFF.
4. J-BOX FOR POWER TO SATELLITE DISH
5. THE UPS SYSTEM HAS FIVE OUTPUT CIRCUIT BREAKERS. CIRCUIT TO DOUBLE DUPLEX RECEPTACLES TO THE UPS BREAKERS INDICATED. MOUNT AT 24" AFF.
6. J-BOX FOR LARGE CLOCK. REFER TO ELEVATOR LOBBY ELEVATIONS ON SHEET AS-7.
7. AREA OF RESCUE ASSISTANCE PHONE IS TO BE ADA COMPLIANT WITH HANDS-FREE OPERATION VANDAL-PROOF PRODUCTS CATALOG #N1240 FLUSH MOUNT OR APPROVED EQUIVALENT.

**GENERAL NOTES:**

1. CONTRACTOR MAY USE APPROVED MC CABLES IN WALLS ONLY.
2. RECEPTACLES SHOWN IN LIGHT LINE WEIGHT ARE TO BE INSTALLED IN MODULAR FURNITURE RACEWAY BY THE FURNITURE CONTRACTOR.



**SECOND FLOOR POWER PLAN**  
SCALE: 1/8" = 1'-0"

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**CITY HALL**  
CITY of GRAND JUNCTION  
Grand Junction, Colorado  
750 North Fifth Street

SECOND FLOOR POWER PLAN

Project No: 9951  
Date: 9/17/99  
Drawn by: DGO  
Revisions:

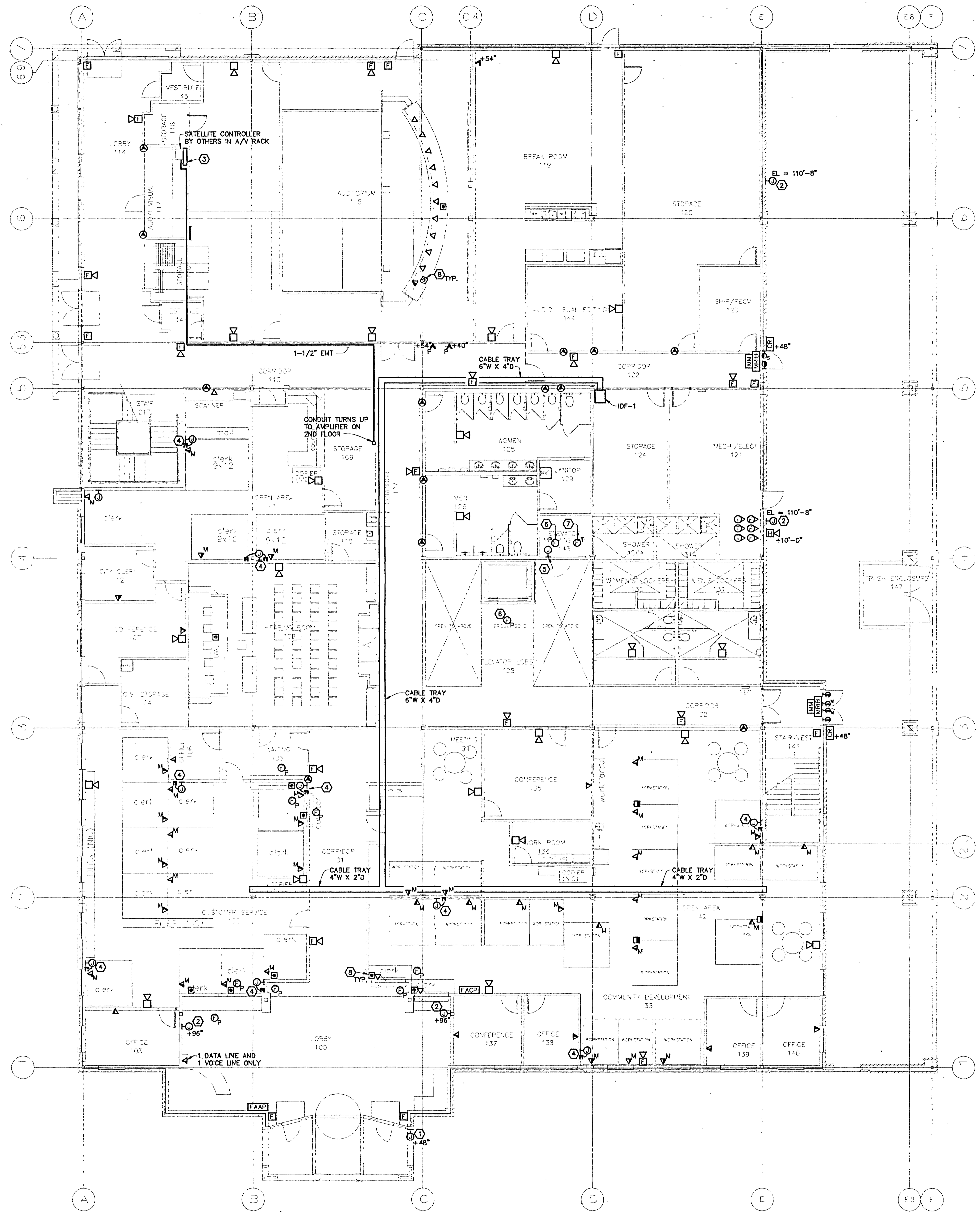
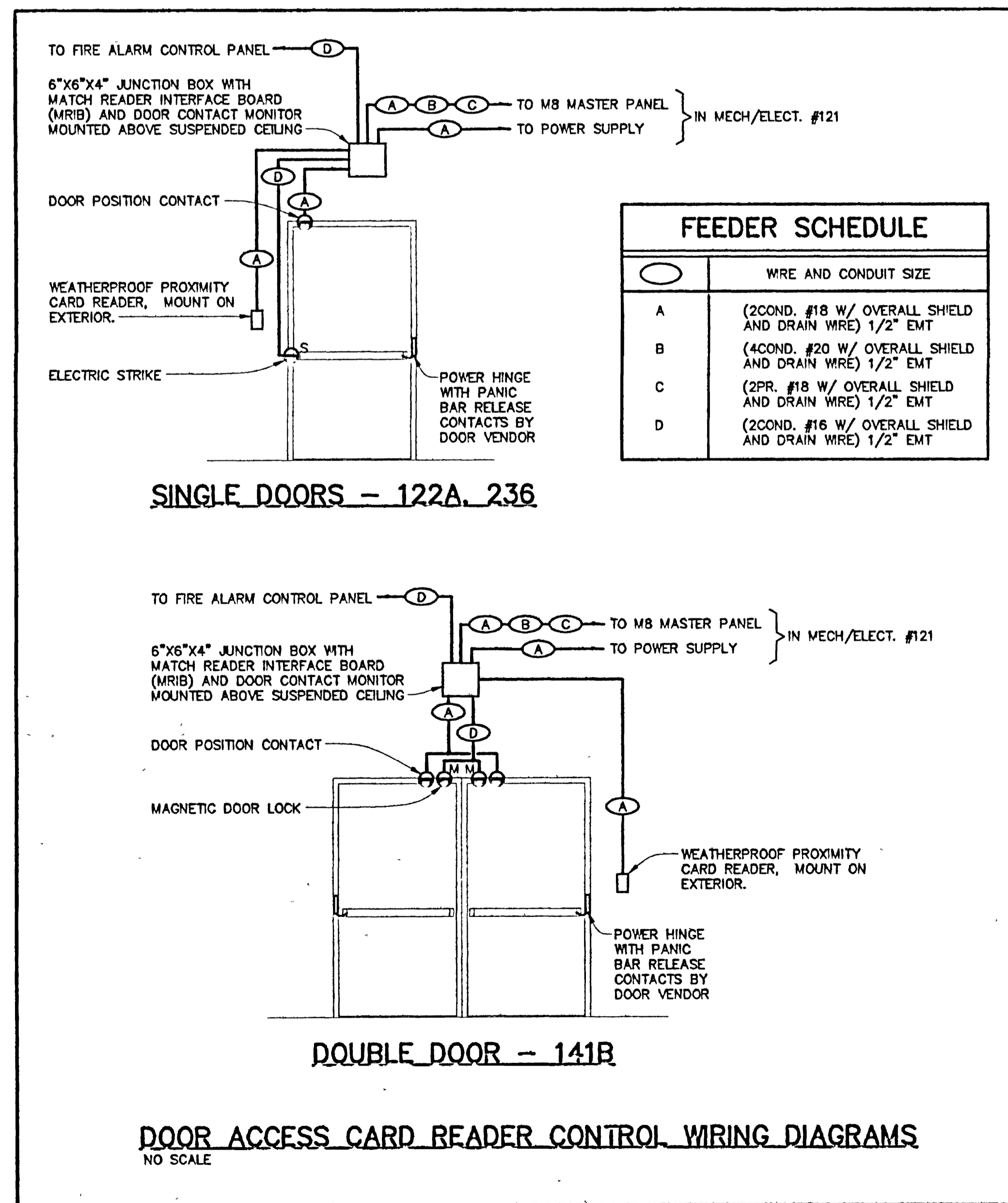
Sheet No: E3.2

**FLAG NOTES THIS SHEET:**

1. PROVIDE A SINGLE GANG BOX FOR CARD READER. EXTEND A 1/2" CONDUIT WITH PULL WIRE TO 6" ABOVE ACCESSIBLE CEILING.
2. PROVIDE A SINGLE GANG BOX FOR A FUTURE SURVEILLANCE CAMERA. EXTEND A 1/2" CONDUIT WITH PULL WIRE TO 6" ABOVE ACCESSIBLE CEILING.
3. 8"x8"x36" WIREWAY: MOUNT ON WALL ABOVE AUDITORIUM EQUIPMENT RACK.
4. CONNECTION TO MODULAR FURNITURE RACEWAY. MODULAR FURNITURE RACEWAY BY OTHERS. REFER TO COMPUTER NETWORK RISER DIAGRAM ON SHEET E5.1.
5. RUN CABLE FROM J-BOX TO MTT FOR ELEVATOR CAB EMERGENCY PHONE.
6. WIRE THE AUXILIARY CONTACTS IN THE SMOKE DETECTOR IN THE ELEVATOR LOBBY #128 AND THE MACHINE ROOM #143 TO THE ELEVATOR CONTROLLER FOR ELEVATOR CAPTURE.
7. WIRE THE AUXILIARY CONTACTS IN THE HEAT DETECTOR IN THE MACHINE ROOM #143 TO THE SHUNT TRIP COIL ON THE ELEVATOR BRANCH CIRCUIT BREAKER IN PANEL #111.
8. WIRE DURESS BUTTON BACK TO FACP FOR MONITORING AND ANNUNCIATION. REFER TO SPECIFICATIONS SECTION 16721 FOR MORE DETAILS.

**GENERAL NOTES:**

1. ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL CONDUIT, RACEWAYS, J-BOXES, AND FLOOR BOXES FOR ALL AUDIO/VISUAL EQUIPMENT. REFER TO THE AUDIO/VISUAL DRAWING, AVS-1, AVS-2, AVS-1, AND AVS-1, TO COORDINATE DEVICE REQUIREMENTS AND LOCATIONS.
2. CIRCUIT ALL FIRE/SMOKE DAMPERS TO PANEL L2B-30.



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**CITY HALL**  
CITY of GRAND JUNCTION  
Grand Junction, Colorado  
750 North Fifth Street

SYSTEMS PLAN  
FIRST FLOOR

Project No: 995  
Date: 9/17/99  
Drawn by: DCD  
Revisions:

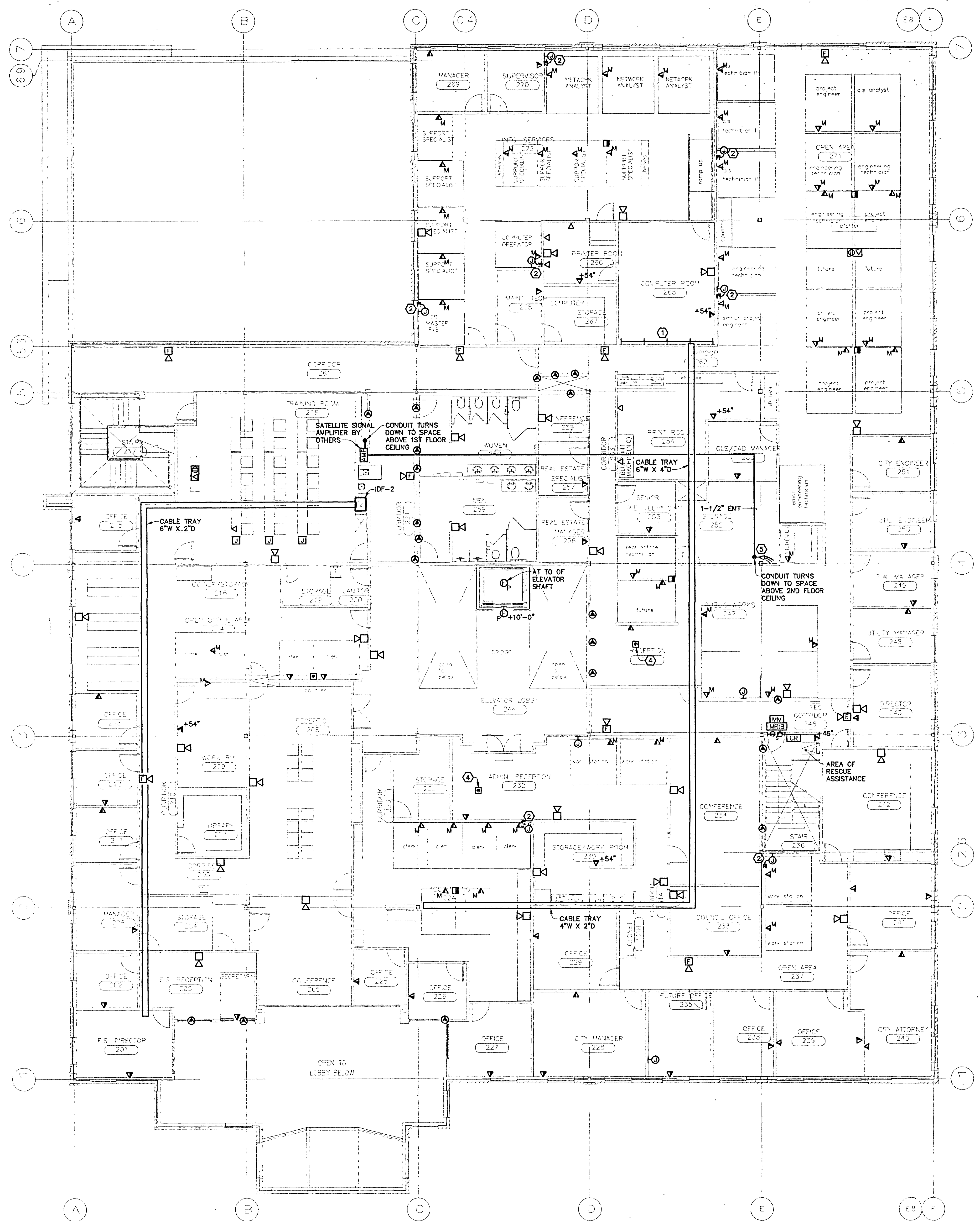
Sheet No:  
**E4.1**

**FLAG NOTES THIS SHEET:**

1. PROVIDE AND INSTALL (4) 4'X8'X3/4" SHEETS OF PLYWOOD FOR THE TELEPHONE TERMINAL BOARD AND THE COMPUTER NETWORK MAIN DISTRIBUTION FRAME.
2. CONNECTION TO MODULAR FURNITURE RACEWAY, MODULAR FURNITURE BY OTHERS. REFER TO COMPUTER NETWORK RISER DIAGRAM ON SHEET ES.1.
3. WIRE THE AUXILIARY CONTACTS IN THE SMOKE DETECTOR IN THE ELEVATOR LOBBY #244 AND AT THE TOP OF THE ELEVATOR SHAFT TO THE ELEVATOR CONTROLLER FOR ELEVATOR CAPTURE.
4. MOUNT DURESS BUTTON ON THE UNDERSIDE OF THE RECEPTIONIST'S DESK IN THIS AREA. WIRE TO THE FACP FOR MONITORING AND ANNUNCIATION. REFER TO SECTION 16721 OF THE SPECIFICATIONS FOR MORE DETAILS.
5. PROVIDE 24" TALL WEATHERHEAD FOR SIGNAL CONNECTION TO SATELLITE DISH. PROVIDE 1-1/2" CONDUIT FROM WEATHERHEAD TO SATELLITE CONTROLLER IN THE AUDIO/VISUAL ROOM #114. PROVIDE PULL WIRE IN CONDUIT.

**GENERAL NOTES:**

1. ELECTRICAL CONTRACTOR IS TO PROVIDE AND INSTALL ALL CONDUIT, RACEWAYS, J-BOXES, AND FLOOR BOXES FOR ALL AUDIO/VISUAL EQUIPMENT. REFER TO THE AUDIO/VISUAL DRAWING, AVS-1, AVS-2, AVS-1, AND AVS-1, TO COORDINATE DEVICE REQUIREMENTS AND LOCATIONS.
2. CIRCUIT ALL FIRE/SMOKE DAMPERS TO PANEL L2B-30.



**SYSTEMS PLAN - SECOND FLOOR**  
 SCALE: 1/8" = 1'-0"  
 NORTH

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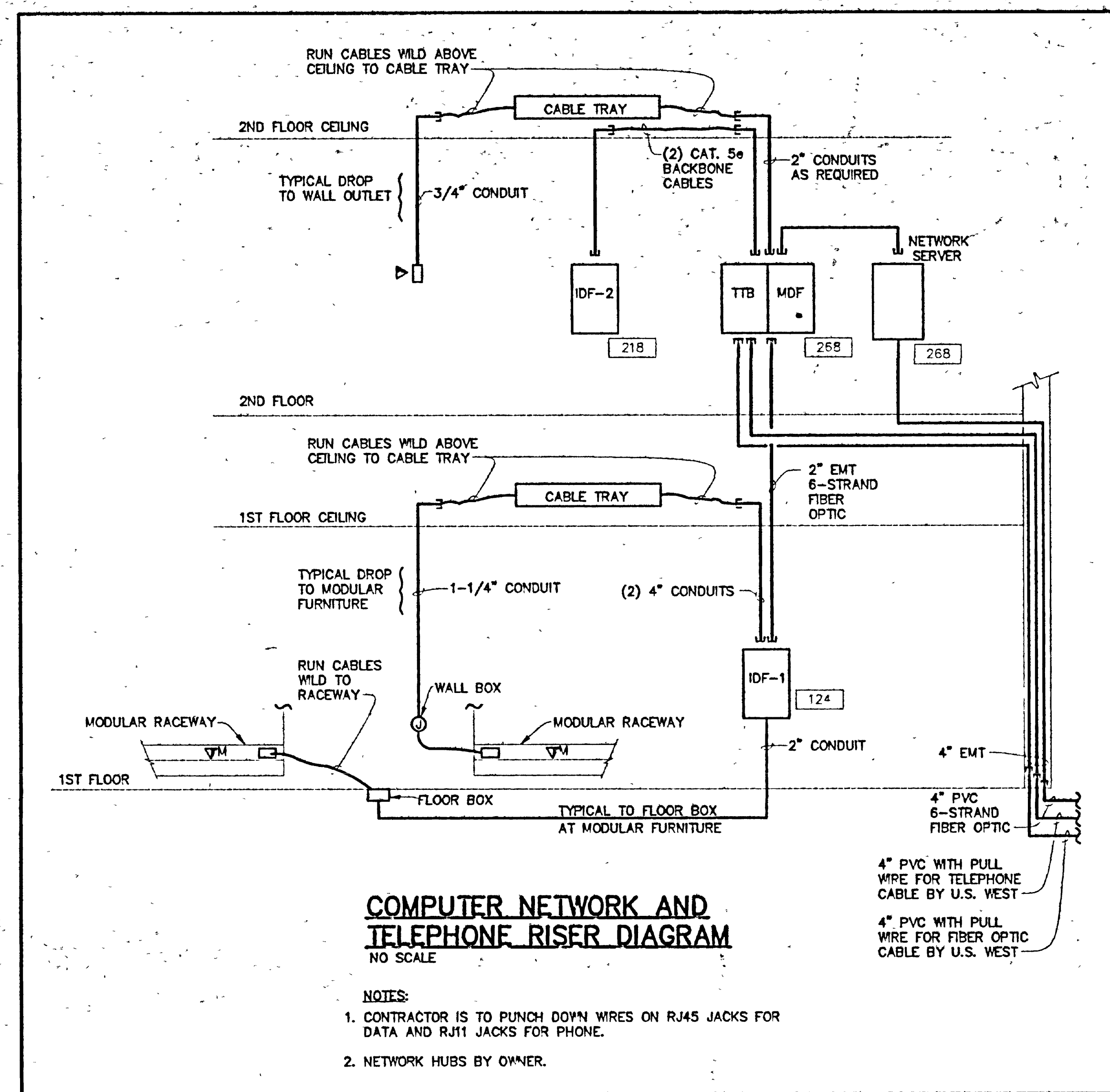
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**CITY HALL**  
 CITY OF GRAND JUNCTION  
 7th North Fifth Street  
 Grand Junction, Colorado

**SECOND FLOOR SYSTEMS PLAN**

Project No. 9951  
 Date 9/17/99  
 Drawn by DGG  
 Revisions

Sheet No. **E4.2**



**COMPUTER NETWORK AND TELEPHONE RISER DIAGRAM**  
NO SCALE

- NOTES:  
1. CONTRACTOR IS TO PUNCH DOWN WIRES ON RJ45 JACKS FOR DATA AND RJ11 JACKS FOR PHONE.  
2. NETWORK HUBS BY OWNER.

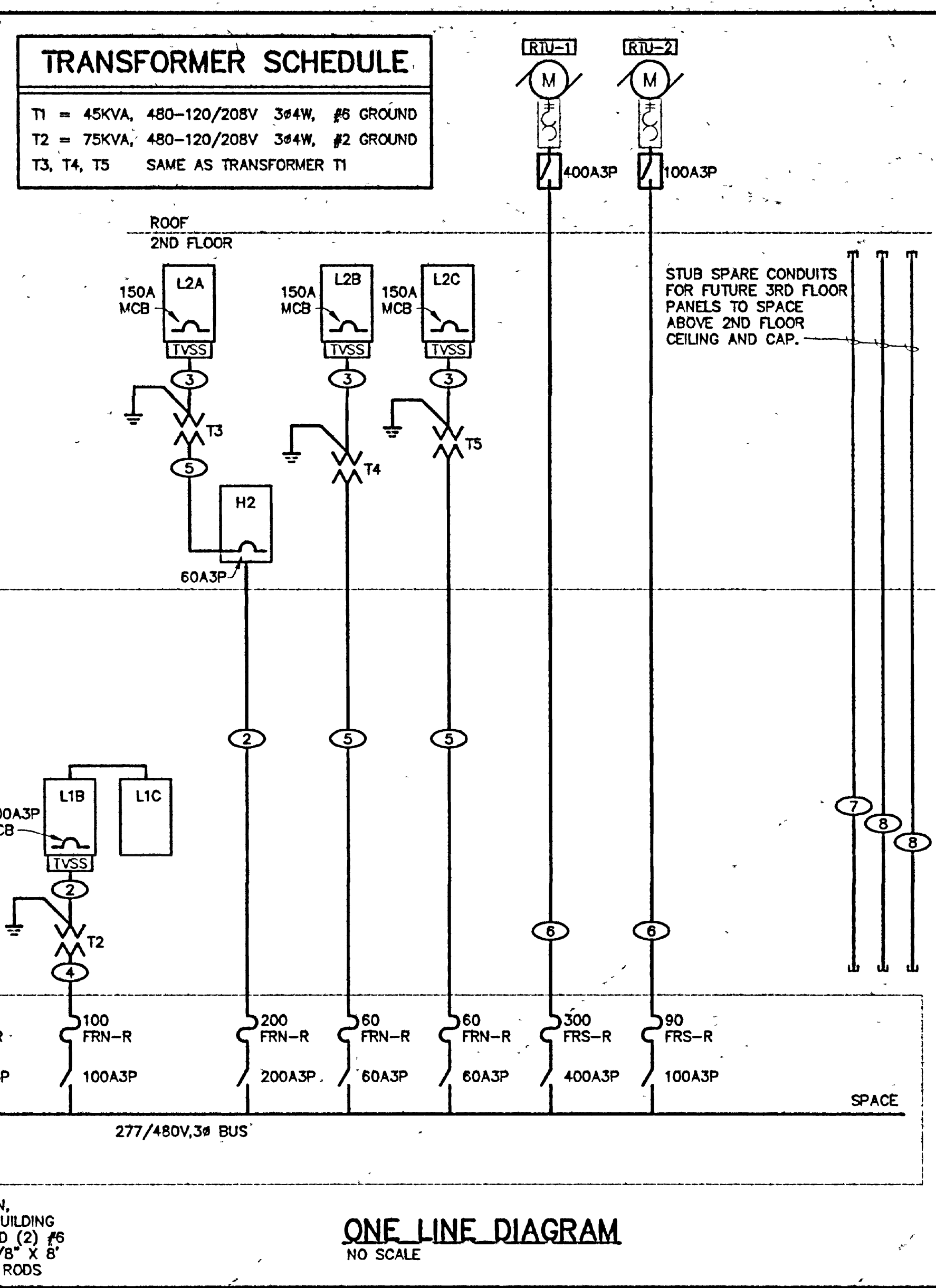
MAIN DISTRIBUTION CENTER		TOTAL LOAD	
VOLTAGE:	277/480 V	PHASES:	3
PHASES:	3	MAIN BREAKER:	1000 A
PHASES:	3	BUS SIZE:	1000A
LOAD TYPE	CONNECTED	DEMAND	CONNECTED LOAD BY PHASE
LIGHTING	8994.0	8567.2	PHASE A 25751.5
RECEPTACLES	16412.0	8770.0	PHASE B 25751.5
KITCHEN	45000.0	22520.0	PHASE C 25751.5
MECHANICAL - HEATING	10009.5	12574.3	
MECHANICAL - COOLING			
MECHANICAL - YEARROUND			
SPARE	58900.0	58900.0	
MISCELLANEOUS	77352.4	76352.4	
TOTAL	172544.4	733922.5	

PANEL SCHEDULE - H1		TOTAL LOAD	
PANEL TYPE:	PANLEBOARD	PHASES:	3
VOLTAGE:	277/480 V	PHASES:	3
PHASES:	3	MAIN BREAKER:	200 A
PHASES:	3	BUS SIZE:	225A
LOAD TYPE AND DESCRIPTION	A	M	P
RECEPTACLES	17490.0	13745.0	
KITCHEN	13300.0	6750.0	
MECHANICAL - HEATING	10009.5	12574.3	
MECHANICAL - COOLING			
MECHANICAL - YEARROUND			
SPARE	17600.0	17600.0	
MISCELLANEOUS	29932.8	28932.8	
TOTAL	132822.5	128024.2	

PANEL SCHEDULE - L1A		TOTAL LOAD	
PANEL TYPE:	PANLEBOARD	PHASES:	3
VOLTAGE:	120/208 V	PHASES:	3
PHASES:	3	MAIN BREAKER:	150 A
PHASES:	3	BUS SIZE:	225A
LOAD TYPE AND DESCRIPTION	A	M	P
RECEPTACLES	17490.0	13745.0	
KITCHEN	13300.0	6750.0	
MECHANICAL - HEATING	10009.5	12574.3	
MECHANICAL - COOLING			
MECHANICAL - YEARROUND			
SPARE	17600.0	17600.0	
MISCELLANEOUS	29932.8	28932.8	
TOTAL	58184.0	35524.4	

PANEL SCHEDULE - H2		TOTAL LOAD	
PANEL TYPE:	PANLEBOARD	PHASES:	3
VOLTAGE:	277/480 V	PHASES:	3
PHASES:	3	MAIN BREAKER:	200 A
PHASES:	3	BUS SIZE:	225A
LOAD TYPE AND DESCRIPTION	A	M	P
RECEPTACLES	17490.0	13745.0	
KITCHEN	13300.0	6750.0	
MECHANICAL - HEATING	10009.5	12574.3	
MECHANICAL - COOLING			
MECHANICAL - YEARROUND			
SPARE	17600.0	17600.0	
MISCELLANEOUS	29932.8	28932.8	
TOTAL	128024.2	128024.2	

PANEL SCHEDULE - L2A		TOTAL LOAD	
PANEL TYPE:	PANLEBOARD	PHASES:	3
VOLTAGE:	120/208 V	PHASES:	3
PHASES:	3	MAIN BREAKER:	150 A
PHASES:	3	BUS SIZE:	225A
LOAD TYPE AND DESCRIPTION	A	M	P
RECEPTACLES	17490.0	13745.0	
KITCHEN	13300.0	6750.0	
MECHANICAL - HEATING	10009.5	12574.3	
MECHANICAL - COOLING			
MECHANICAL - YEARROUND			
SPARE	17600.0	17600.0	
MISCELLANEOUS	29932.8	28932.8	
TOTAL	34563.0	25011.0	



**ONE LINE DIAGRAM**  
NO SCALE

TRANSIENT VOLTAGE SURGE SUPPRESSION IS TO BE LEVITON #S2120, LEA INTERNATIONAL #JSP-120/208-3P-SW-H, OR APPROVED EQUIVALENT.

43/0 G TO WATER MAIN, BUILDING STEEL, AND BUILDING FOUNDATION STEEL, AND (2) #6, (1) EACH, TO (2) 5/8\"/>

STUB SPARE CONDUITS FOR FUTURE 3RD FLOOR PANELS TO SPACE ABOVE 2ND FLOOR CEILING AND CAP.

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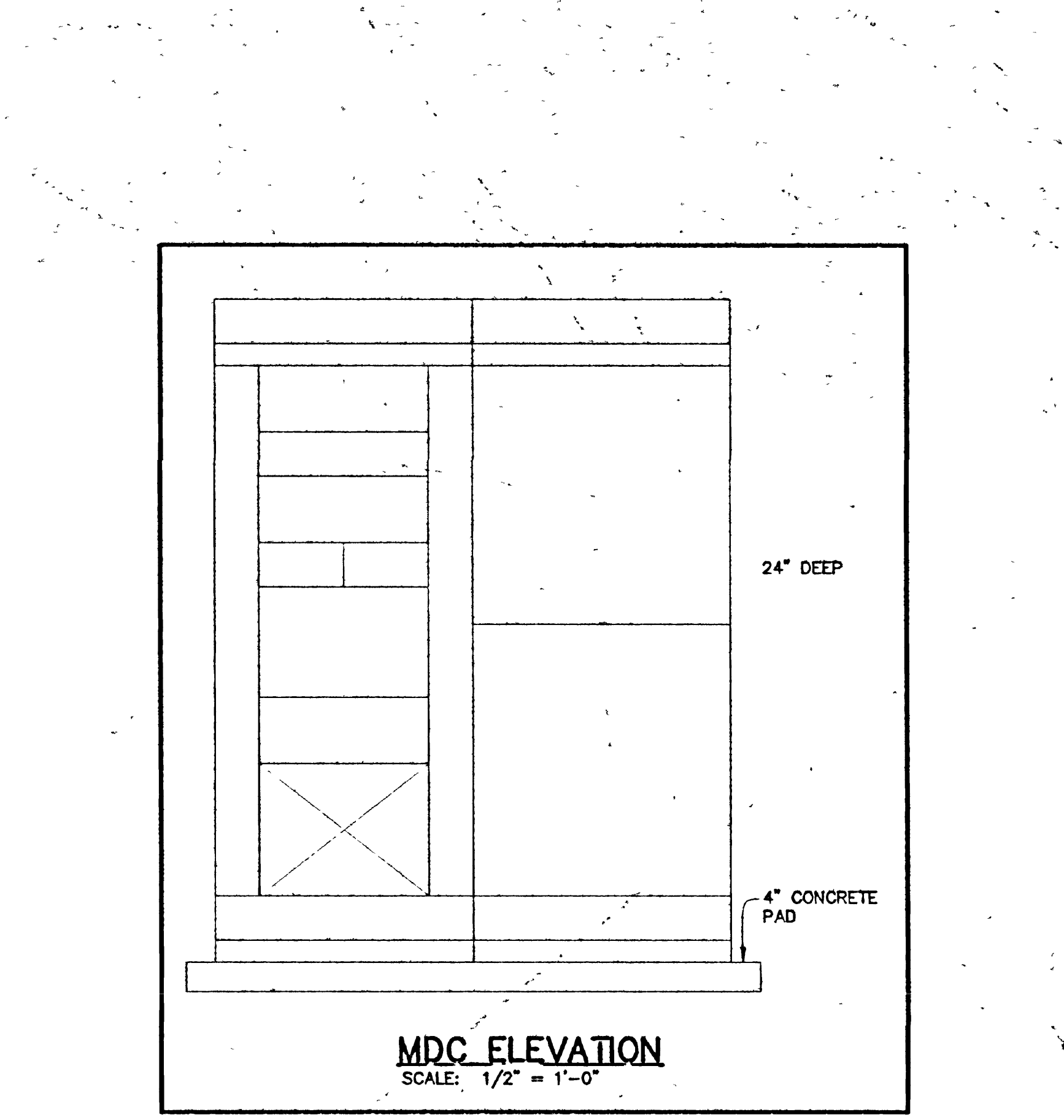
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**MDC ELEVATION**  
SCALE: 1/2\"/>

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**CITY HALL**  
CITY of GRAND JUNCTION  
Grand Junction, Colorado

ONE LINE DIAGRAM  
NETWORK RISER  
PANEL SCHEDULES

Project No: ---  
Date: 3/7/99  
Drawn by: ALT/EGD  
Revisions: