

GENERAL NOTES

- REFER SITE LEGEND AND NOTES ON DRAWING C-E001 FOR ADDITIONAL INFORMATION.
- COORDINATE ALL UTILITIES (ELECTRICAL, GAS, WATER, SEWER, BUILDING DRAINS AND TELEPHONE) SERVICE CONNECTION LOCATIONS TO NEW BUILDING WITH THEIR RESPECTIVE DISCIPLINE SPECIFIC PLANS.
- COORDINATE TELECOMMUNICATIONS CONNECTION FROM 92 BEDFORD STREET WITH THE UNIVERSITY FACILITIES MANAGEMENT. PROVIDE CONNECTION TO GARAGE TELEPHONE ROOM FROM CEC.

GMP NOTES:
 ADD ALTERNATES #3 AND #4 SHALL BE EVALUATED AND ASSIGNED A BUDGETARY PRICE FOR GMP. ALTERNATES DESIGN WILL BE DEVELOPED FURTHER BASED ON GMP PRICING. SURVEY INFORMATION FOR THE EXTENTS OF THE ALTERNATE WORK IS NOT YET AVAILABLE. UTILIZE ADD ALTERNATE NOTES FOR DESCRIPTION OF NOTES.

ADD ALTERNATE NOTES:
ADD ALTERNATE #3 PROVIDE UNDERGROUND INFRASTRUCTURE (AS SHOWN BETWEEN POLES #7 AND #8) FROM POLE #7 TO POLE #3. E.C. SHALL INCLUDE CONDUIT, SUPPORTS RE-ENFORCING STEEL, MANHOLES AND SUNDRIES REQUIRED BY CMP, THE TEL UTILITY, CATV COMPANY AND CITY FIRE. FIRE ALARM UNDERGROUND SHALL EXTEND TO POLE AT WINSLOW AND CONANT STREETS CONSTRUCTED TO CITY FIRE STANDARDS. PROVIDE 4 LINE ITEM BUDGET COST FOR REPLACEMENT OF STREET LIGHTING TO CITY STANDARDS AND SPECIFICATIONS. ALL CONDUCTORS SHALL BE BY UTILITY COMPANYS.

ADD ALTERNATE #4 PROVIDE (4)4" CONDUITS PER SECTION "B" C-E003 FROM BASE BID DUCTBANK NORTHWEST ACROSS PARKING AREA APPROXIMATELY 200' TO EXISTING USM PRIMARY DUCTBANK. PROVIDE A MANHOLE CUT INTO EXISTING DUCTBANK FOR TERMINATION OF CONDUITS AT USM PRIMARY SYSTEM. INCLUDE ONE MANHOLE AT HALFWAY POINT, ONE SINGLE TRANSFORMER ADJACENT MANHOLE AND 8 LIGHT-POLE BASES PIPED BACK TO TRANSFORMER IN 1" PVC CONDUIT. PROVIDE 2 1/2" CONDUITS FROM TRANSFORMER PRIMARY TO MANHOLE. SEE C-E003 FOR CONDUCTORS.

GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

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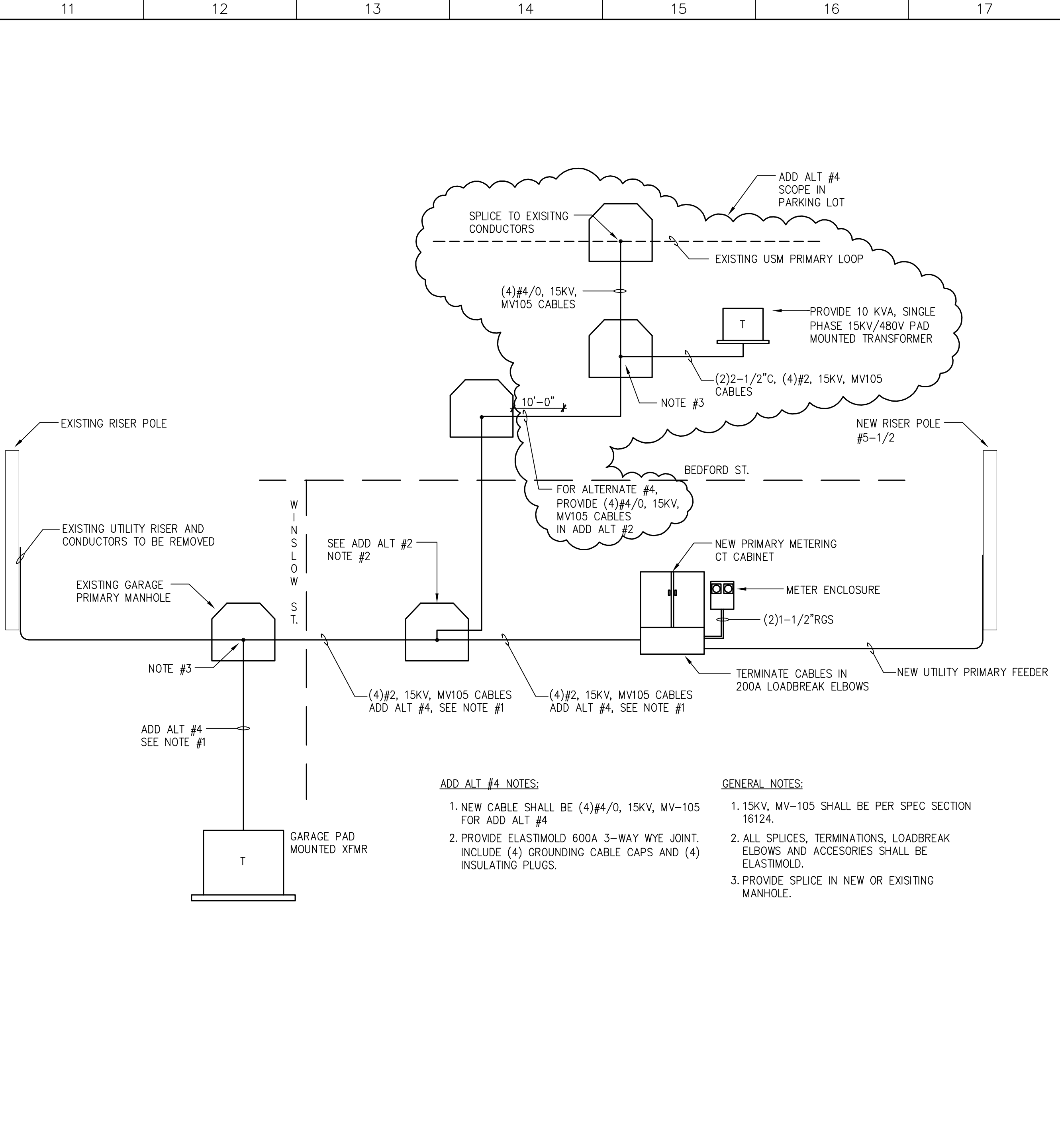
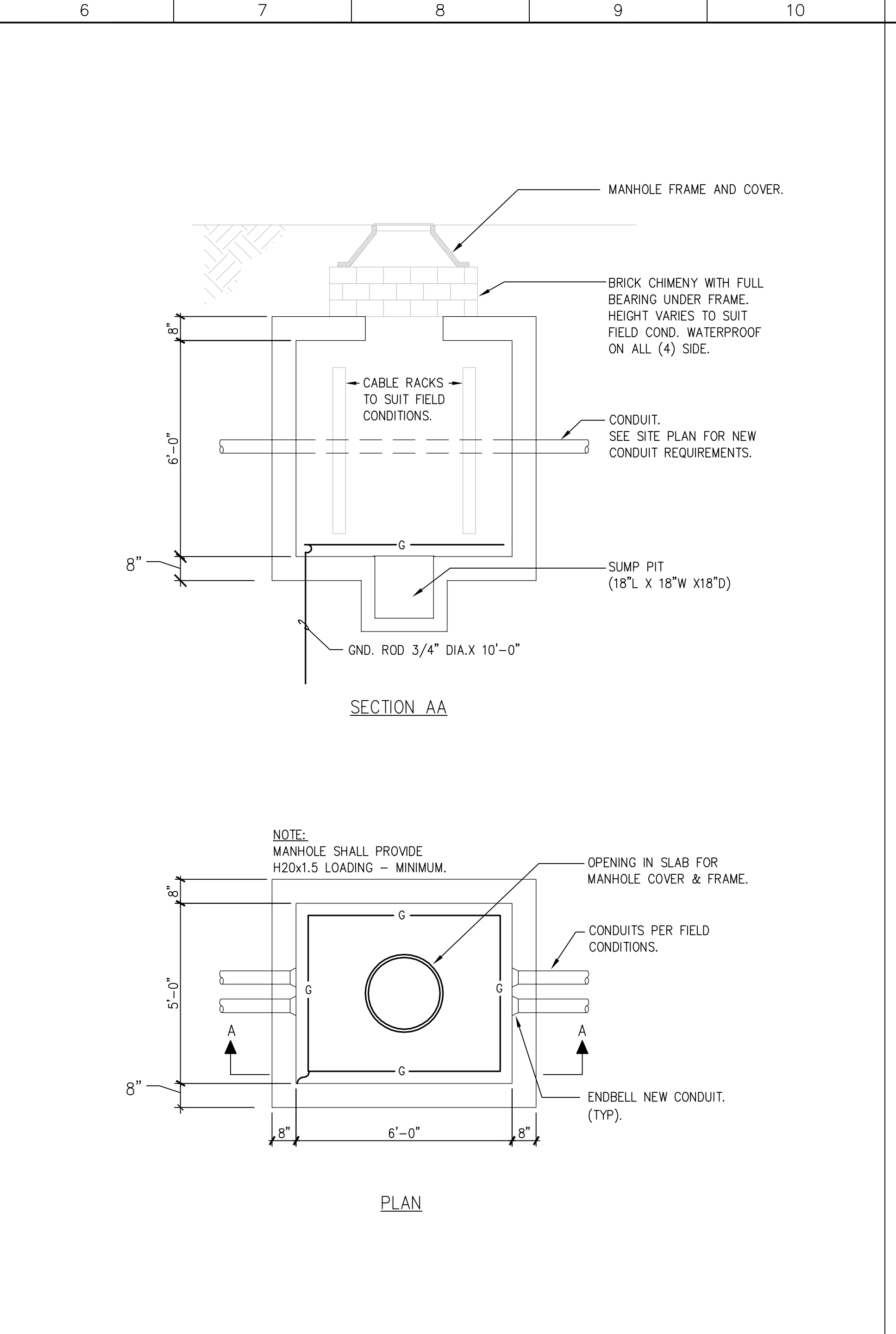
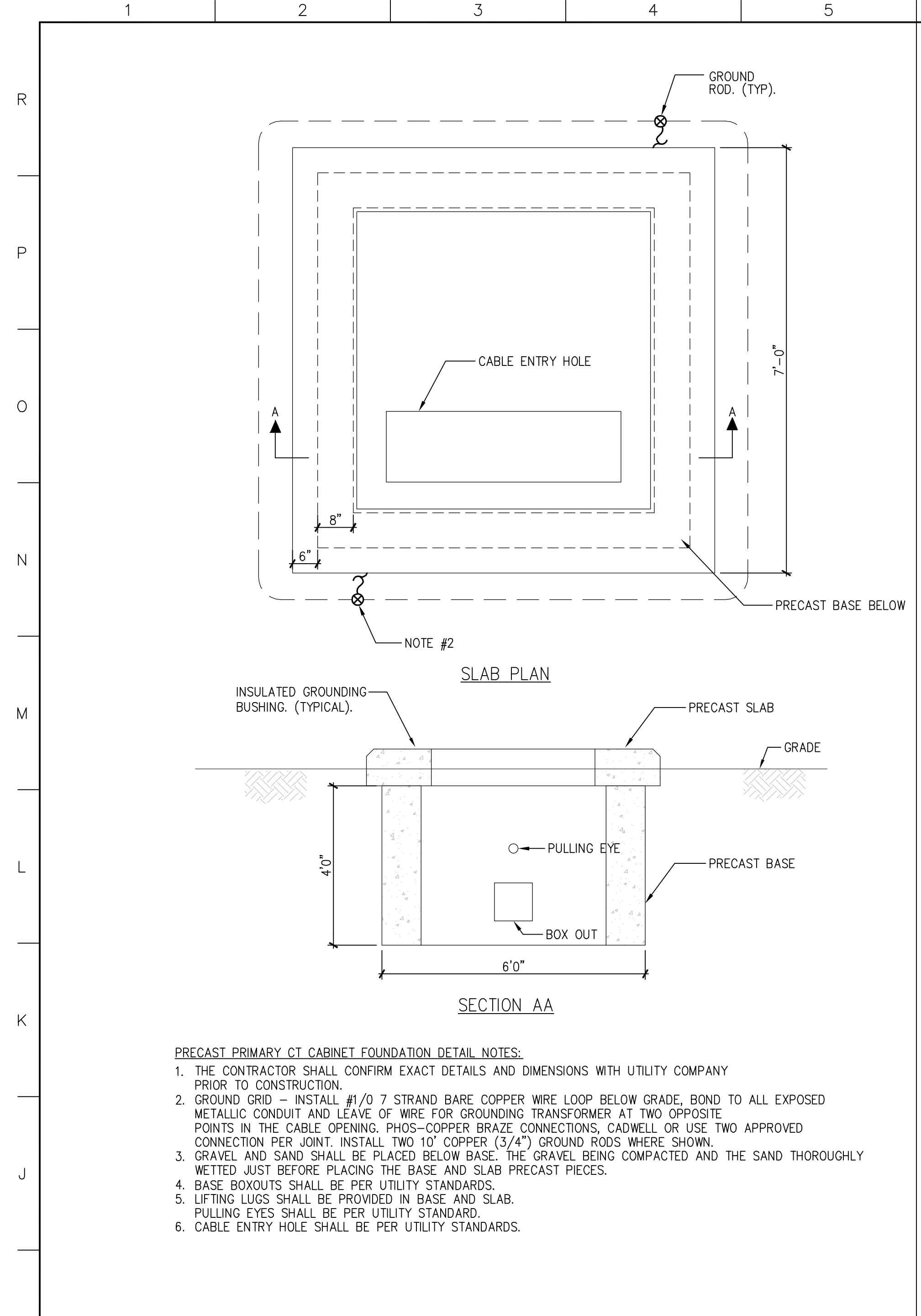
EYP/

**UNIVERSITY OF SOUTHERN MAINE
 COMMUNITY EDUCATION CENTER - PHASE 2**

drawing title **ELECTRICAL
 SITE PLAN**

seal	designed by	project no.
	MFR	5001024.00
	drawn by	CAD file no.
	RJA	
	checked by	drawing no.
	MFR	
	date	
	1/19/2004	
	scale	
	1"=20'-0"	

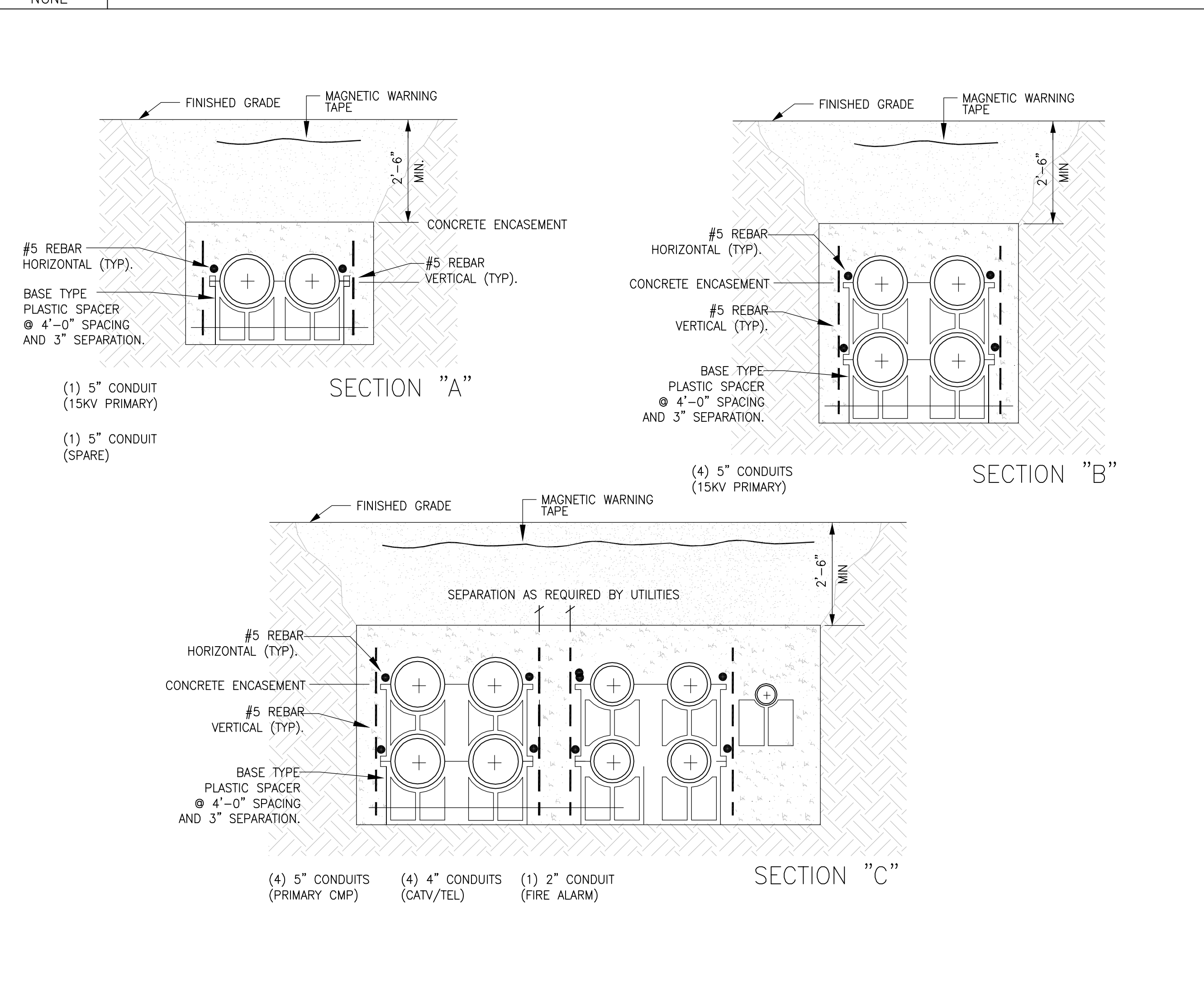
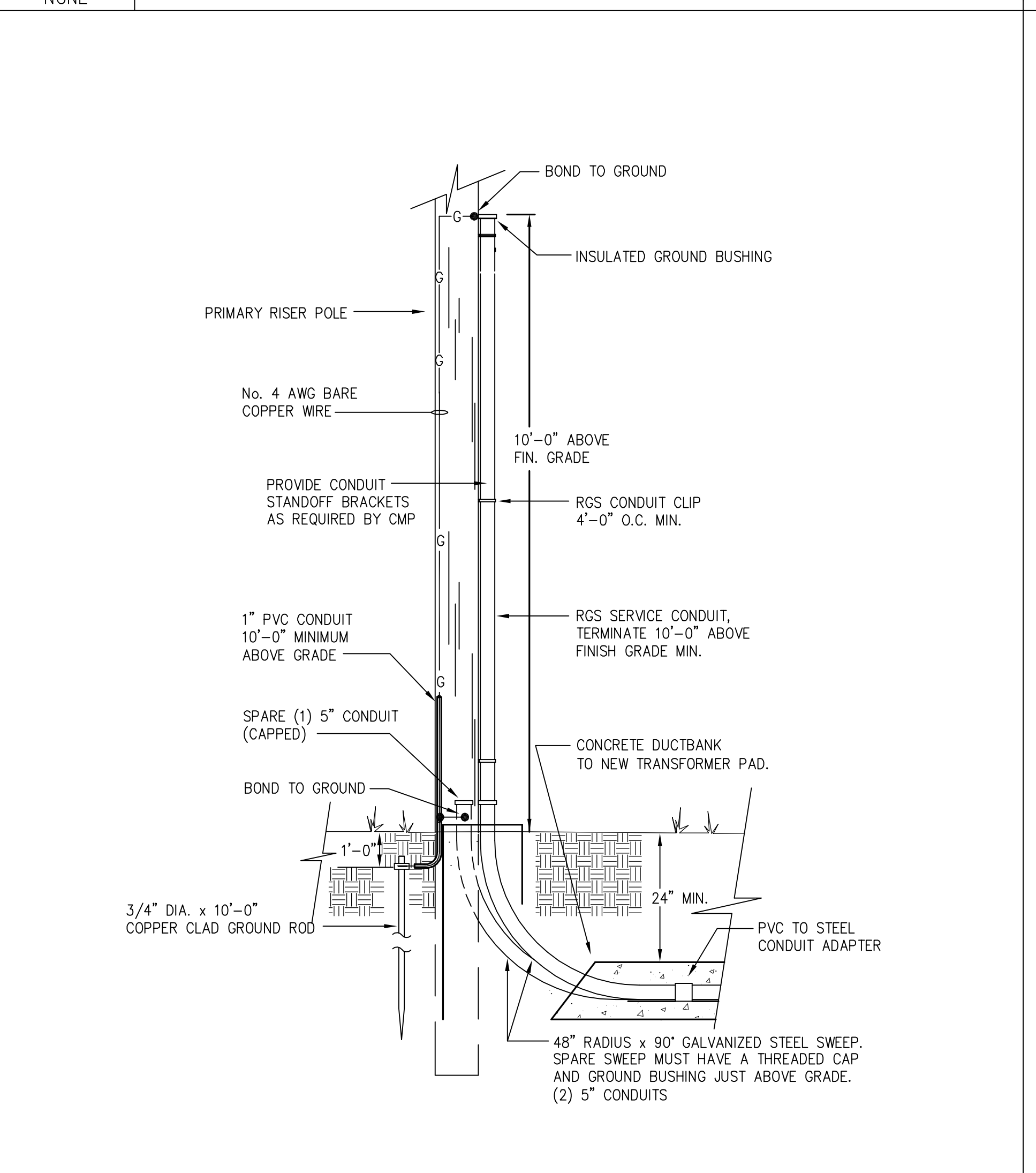
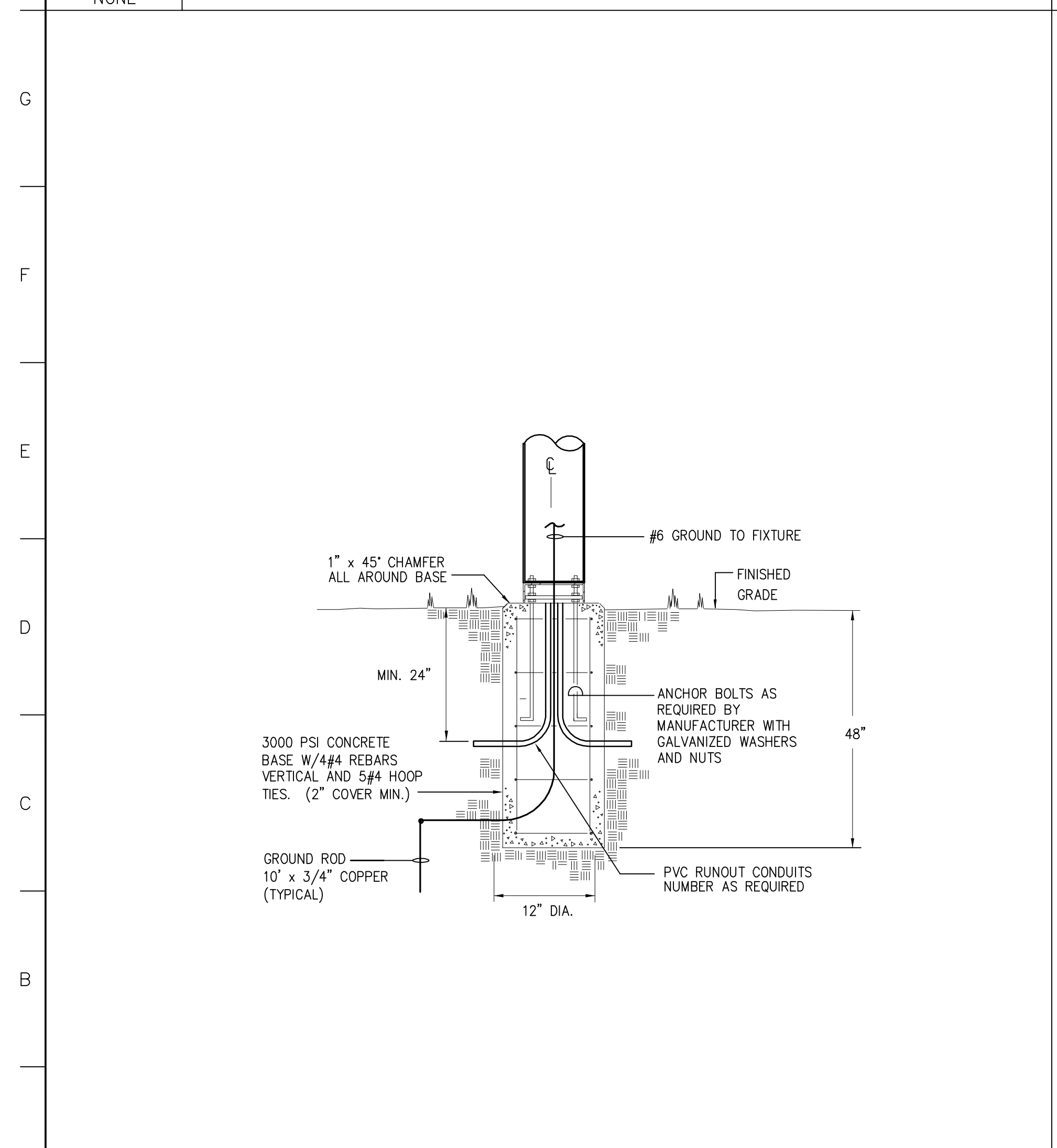
C-E002



H1 TRANSFORMER FOUNDATION DETAIL

H6 TEL/ELECTRICAL MANHOLE DETAIL

H11 SITE ELECTRICAL RISER DIAGRAM

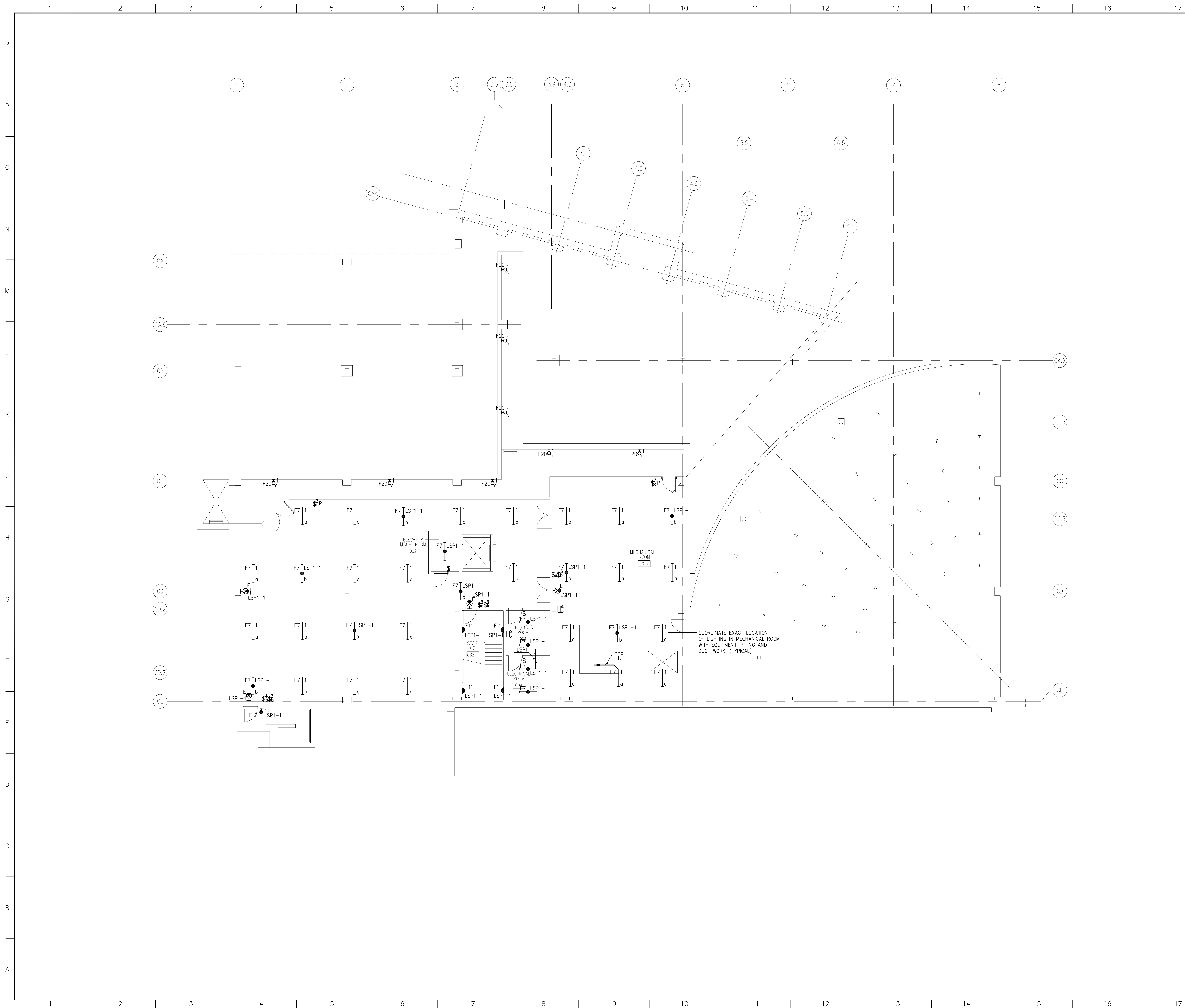


A1 TYPICAL SITE LIGHTING POLE BASE DETAIL

A6 PRIMARY RISER POLE DETAIL

A11 DUCTBANK SECTION DETAILS

GMP DOCUMENTS		1/19/04
no. revisions/submissions		date
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UNIVERSITY OF SOUTHERN MAINE COMMUNITY EDUCATION CENTER - PHASE 2 PORTLAND, MAINE		
ELECTRICAL SITE DETAIL SHEET		
drawing title	designed by	project no.
seal	MFR	5001024.00
	drawn by	CAD file no.
	RJA	
	checked by	drawing no.
	MFR	
	date	1/19/2004
	scale	AS NOTED
		C-E003



GENERAL NOTES

1. REFER TO LEGEND, SYMBOLS, AND NOTES ON DWG C-E001 FOR ADDITIONAL INFORMATION.
2. ALL EXIT SIGNS SHALL BE CONNECTED TO A CONSTANT UNSWITCHED SOURCE SERVING FIXTURES IN RESPECTIVE AREA'S.
3. REFER TO LIGHTING FIXTURE SCHEDULE ON DWG C-E501 FOR ADDITIONAL INFORMATION AND 'C-A800' SERIES REFLECTED CEILING PLANS FOR EXACT FIXTURE PLACEMENT.
4. ALL SWITCHED EMERGENCY LIGHTING SHALL BE CONTROLLED VIA BYPASS RELAY. REFER TO DETAIL 'G1' ON DWG. 'C-E600'.
5. ALL UNSWITCHED EMERGENCY LIGHTING AND ALL EXIT SIGNS SHALL BE CONNECTED TO CONSTANT 'ON' UNSWITCHED EMERGENCY BRANCH CIRCUITS.

KEYED NOTES

GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

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no. revisions/submissions	date

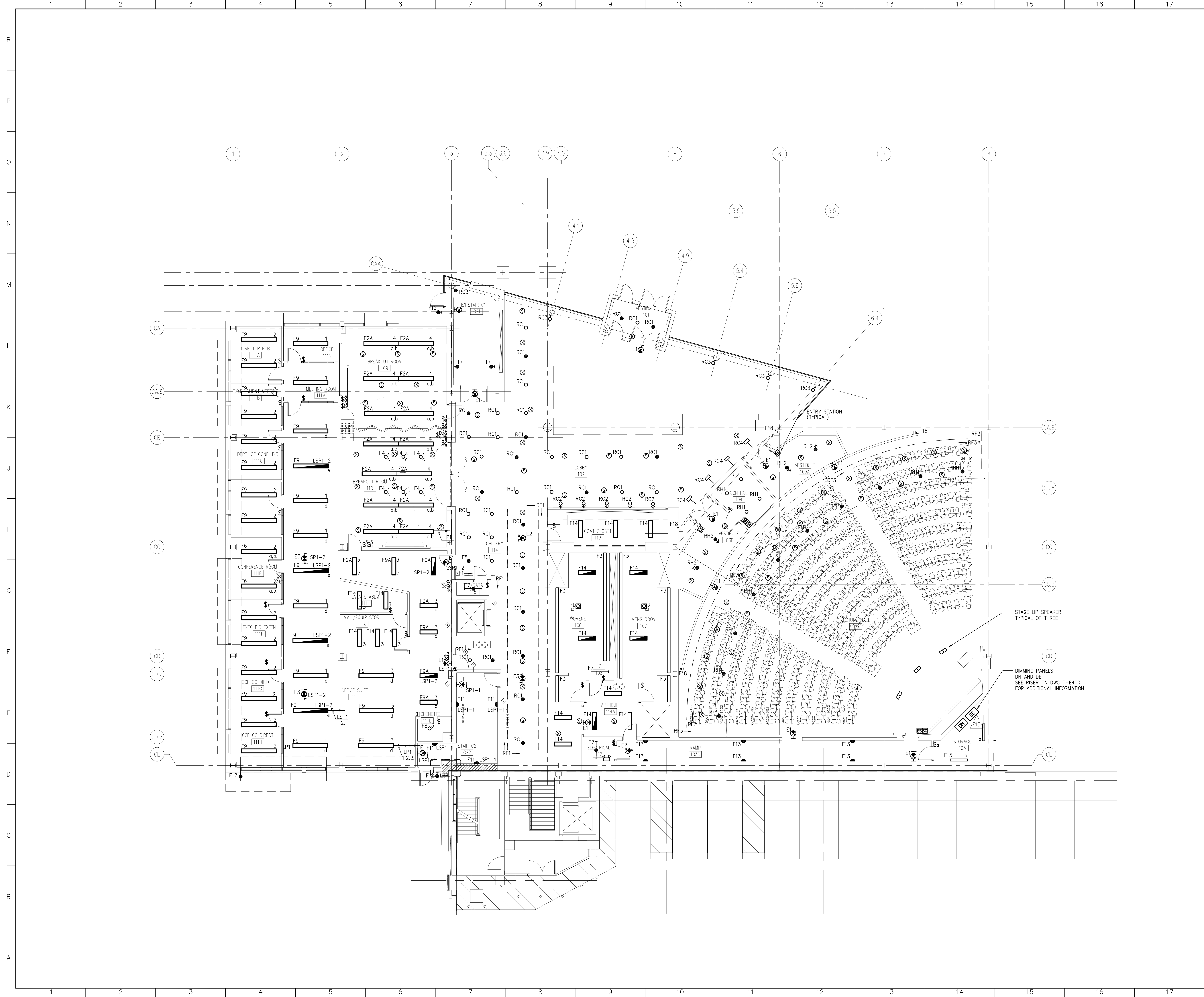
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**UNIVERSITY OF SOUTHERN MAINE
COMMUNITY EDUCATION CENTER - PHASE 2
PORTLAND, MAINE**

drawing title
BASEMENT LIGHTING PLAN

seal	designed by	project no.
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	drawn by	CAD file no.
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	checked by	drawing no.
	MFR	
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	1/19/2004	
	scale	
	1/8"=1'-0"	C-E101



- ### GENERAL NOTES
1. REFER TO LEGEND, SYMBOLS, AND NOTES ON DWG C-E001 FOR ADDITIONAL INFORMATION.
 2. ALL EXIT SIGNS SHALL BE CONNECTED TO A CONSTANT UNSWITCHED SOURCE SERVING FIXTURES IN RESPECTIVE AREA'S.
 3. REFER TO LIGHTING FIXTURE SCHEDULE ON DWG C-E501 FOR ADDITIONAL INFORMATION AND 'C-AB00' SERIES REFLECTED CEILING PLANS FOR EXACT FIXTURE PLACEMENT.
 4. ALL SWITCHED EMERGENCY LIGHTING SHALL BE CONTROLLED VIA BYPASS RELAY. REFER TO DETAIL 'G1' ON DWG. 'C-E600'.
 5. ALL UNSWITCHED EMERGENCY LIGHTING AND ALL EXIT SIGNS SHALL BE CONNECTED TO CONSTANT 'ON' UNSWITCHED EMERGENCY BRANCH CIRCUITS.

KEYED NOTES

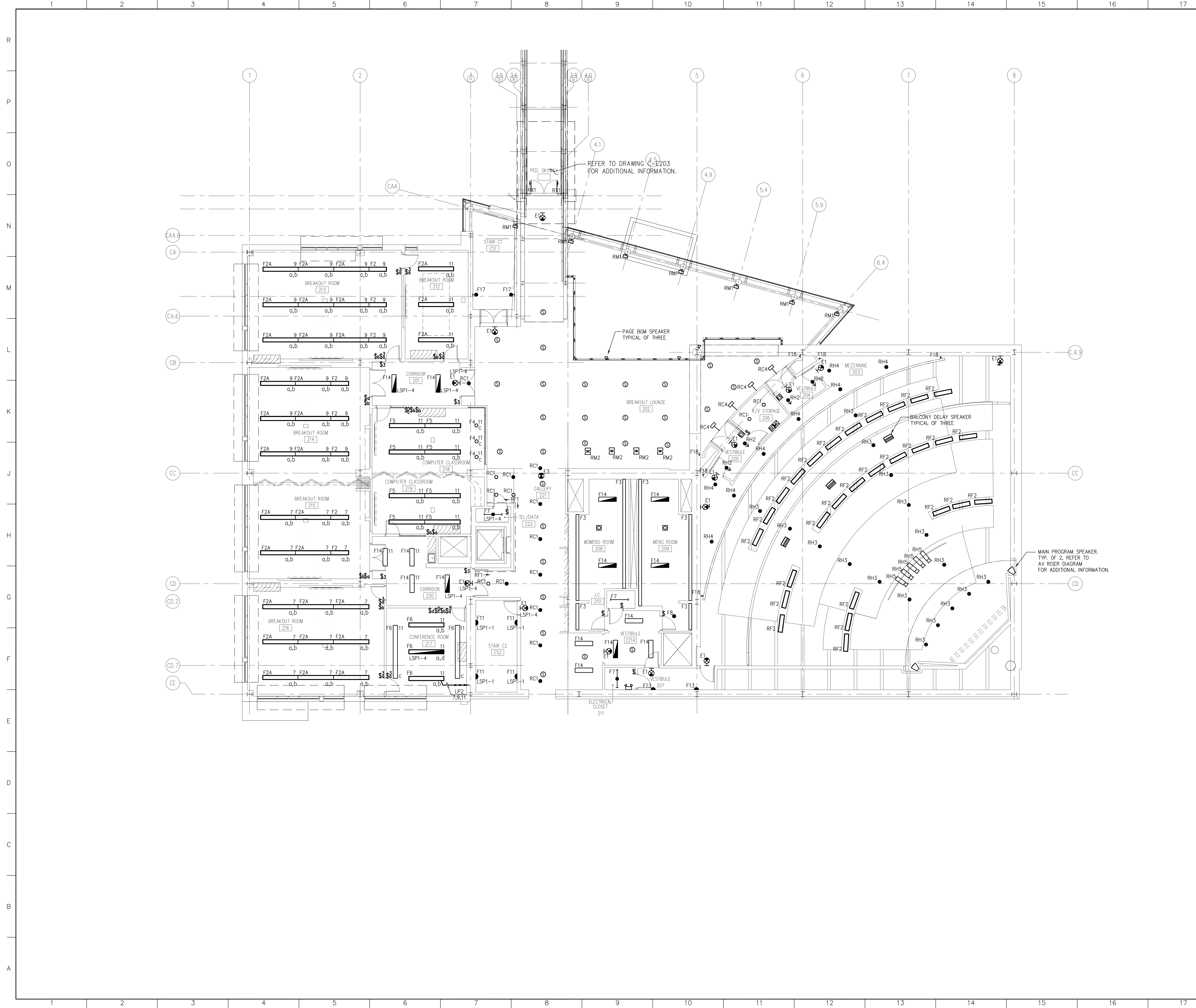
GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

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**UNIVERSITY OF SOUTHERN MAINE
 COMMUNITY EDUCATION CENTER - PHASE 2**
 PORTLAND, MAINE
 drawing title **FIRST FLOOR
 LIGHTING PLAN**

seal	designed by	project no.
	MFR	5001024.00
	drawn by	CAD file no.
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	checked by	drawing no.
	MFR	
	date	
	1/19/2004	
	scale	
	1/8"=1'-0"	C-E102



- GENERAL NOTES**
1. REFER TO LEGEND, SYMBOLS, AND NOTES ON DWG C-E001 FOR ADDITIONAL INFORMATION.
 2. ALL EXIT SIGNS SHALL BE CONNECTED TO A CONSTANT UNSWITCHED SOURCE SERVING FIXTURES IN RESPECTIVE AREA'S.
 3. REFER TO LIGHTING FIXTURE SCHEDULE ON DWG C-E501 FOR ADDITIONAL INFORMATION AND 'C-800' SERIES REFLECTED CEILING PLANS FOR EXACT FIXTURE PLACEMENT.
 4. ALL SWITCHED EMERGENCY LIGHTING SHALL BE CONTROLLED VIA BYPASS RELAY. REFER TO DETAIL 'G1' ON DWG. 'C-E600'.
 5. ALL UNSWITCHED EMERGENCY LIGHTING AND ALL EXIT SIGNS SHALL BE CONNECTED TO CONSTANT 'ON' UNSWITCHED EMERGENCY BRANCH CIRCUITS.

KEYED NOTES

GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

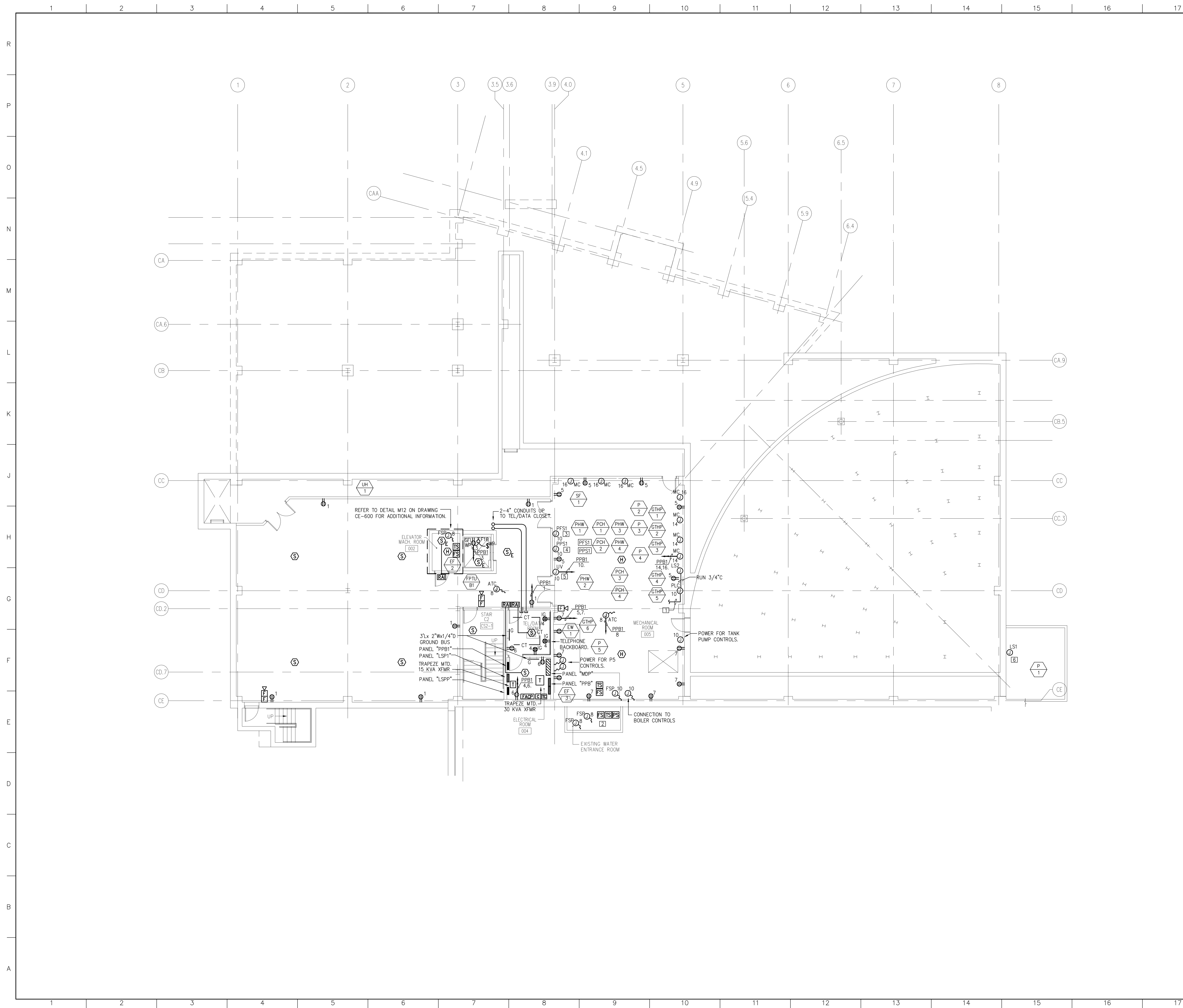
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**UNIVERSITY OF SOUTHERN MAINE
 COMMUNITY EDUCATION CENTER - PHASE 2
 PORTLAND, MAINE**
 drawing title **SECOND FLOOR
 LIGHTING PLAN**

seal	designed by	project no.
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	drawn by	CAD file no.
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	checked by	drawing no.
	MFR	
	date	
	1/19/2004	
	scale	
	1/8"=1'-0"	

C-E103



GENERAL NOTES

1. REFER TO LEGEND, SYMBOLS, AND NOTES ON DWG C-E001 FOR ADDITIONAL INFORMATION.
2. REFER TO MECHANICAL AND PANEL BOARD SCHEDULES ON DRAWING C-E500 FOR ADDITIONAL INFORMATION.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF THE AUDIOVISUAL EQUIPMENT WITH THE A/V CONTRACTOR PRIOR TO INSTALLING ANY POWER CONNECTIONS.
4. REFER TO AUDIO/VISUAL SYSTEM CONDUIT RISER DIAGRAM FOR ADDITIONAL INFORMATION.
5. COORDINATE WITH ARCHITECTS PLANS, ELEVATIONS AND DETAILS FOR MOUNTING REQUIREMENTS FOR ALL DEVICES.
6. REFER TO HVAC AND PLUMBING DRAWINGS FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
7. ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL CABLE TRAY WITH THE MECHANICAL CONTRACTOR.

KEYED NOTES

- 1] RUN (3) 1" CONDUITS TO SECOND FLOOR GREEN WALL BAS.
- 2] PROVIDE CONNECTION TO FIRE PROTECTION ELECTRIC BELL REFER TO PLUMBING DRAWINGS FOR EXACT LOCATIONS. REFER TO FIRE ALARM RISER DIAGRAM FOR ADDITIONAL INFORMATION.
- 3] POWER CONNECTION FOR PLUMBING FLOW SWITCH.
- 4] POWER CONNECTION FOR PLUMBING PRESSURE SWITCH.
- 5] POWER CONNECTION FOR UV UNIT.
- 6] PROVIDE (2) 3/4" CONDUITS W/ PULL STRING TO 'LS2' IN MECHANICAL FOR ROOM LEVEL SENSING AND CONTROLS FOR RECLAIM TANKS. REFER TO PLUMBING DRAWINGS FOR ADDITIONAL INFORMATION.

GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

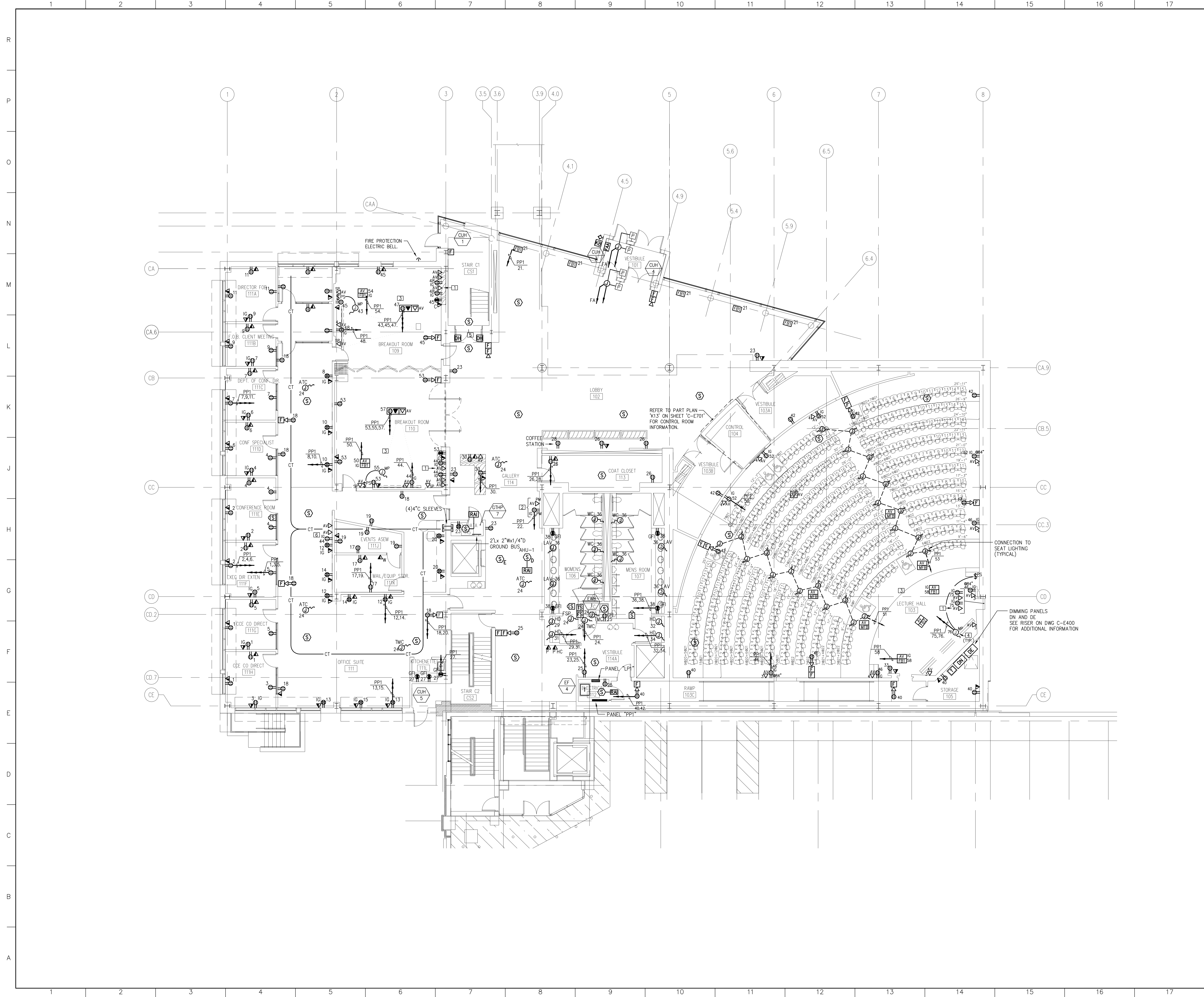
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**UNIVERSITY OF SOUTHERN MAINE
 COMMUNITY EDUCATION CENTER - PHASE 2**

PORTLAND, MAINE
 drawing title **BASEMENT
 POWER AND SYSTEMS PLAN**

seal	designed by JNA	project no. 5001024.00
	drawn by JNA	CAD file no.
	checked by MFR	drawing no.
	date 1/19/2004	C-E201
	scale 1/8"=1'-0"	



GENERAL NOTES

1. REFER TO LEGEND, SYMBOLS, AND NOTES ON DWG C-E001 FOR ADDITIONAL INFORMATION.
2. REFER TO MECHANICAL AND PANEL BOARD SCHEDULES ON DRAWING C-E500 FOR ADDITIONAL INFORMATION.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF THE AUDIOVISUAL EQUIPMENT WITH THE A/V CONTRACTOR PRIOR TO INSTALLING ANY POWER CONNECTIONS.
4. REFER TO AUDIO/VISUAL SYSTEM CONDUIT RISER DIAGRAM FOR ADDITIONAL INFORMATION.
5. COORDINATE WITH ARCHITECTS PLANS, ELEVATIONS AND DETAILS FOR MOUNTING REQUIREMENTS FOR ALL DEVICES.
6. REFER TO HVAC AND PLUMBING DRAWINGS FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
7. ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL CABLE TRAY WITH THE MECHANICAL CONTRACTOR.

KEYED NOTES

- 1 'AV JB1', REFER TO AV RISER DIAGRAM FOR EXACT SIZE OF AV JUNCTION BOX.
- 2 POWER AND AV CONNECTION FOR PLASMA MONITOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLAN AND ELEVATIONS.
- 3 ALL AV POWER SHALL BE ON THE SAME PHASE.
- 4 MOTORIZED PROJECTION SCREEN, REFER TO DETAIL 'G12' ON SHEET 'C-E600' FOR ADDITIONAL INFORMATION.
- 5 MAGNETIC DOOR HOLDERS SHALL BE WIRED TO THE FIRE ALARM SYSTEM. THESE DOORS SHALL BE HELD OPEN UNDER NORMAL CONDITIONS. IN AN EMERGENCY CONDITION THE DOORS WILL CLOSE.
- 6 REFER TO AV RISER DIAGRAM ON DWG. 'C-E402', DETAIL 'A1' FOR ADDITIONAL INFORMATION.

GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

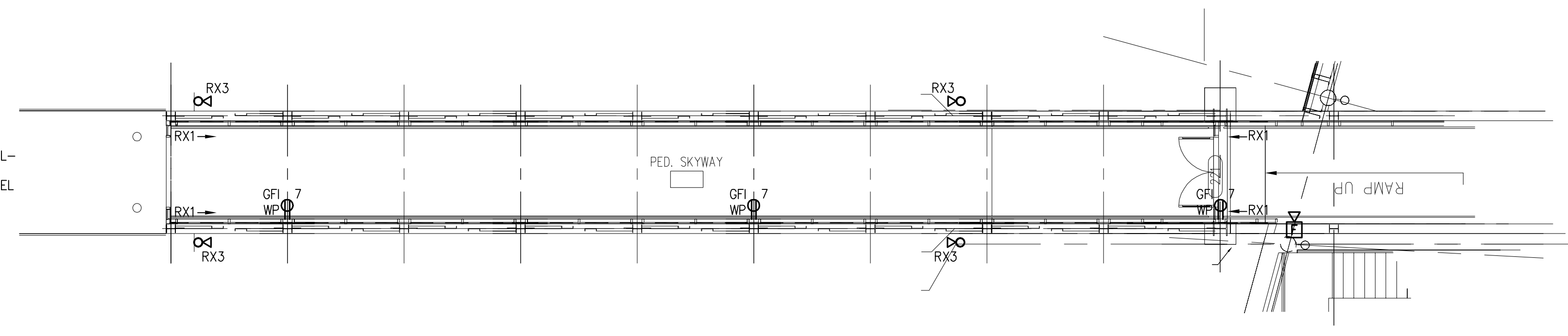
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 PORTLAND, MAINE**

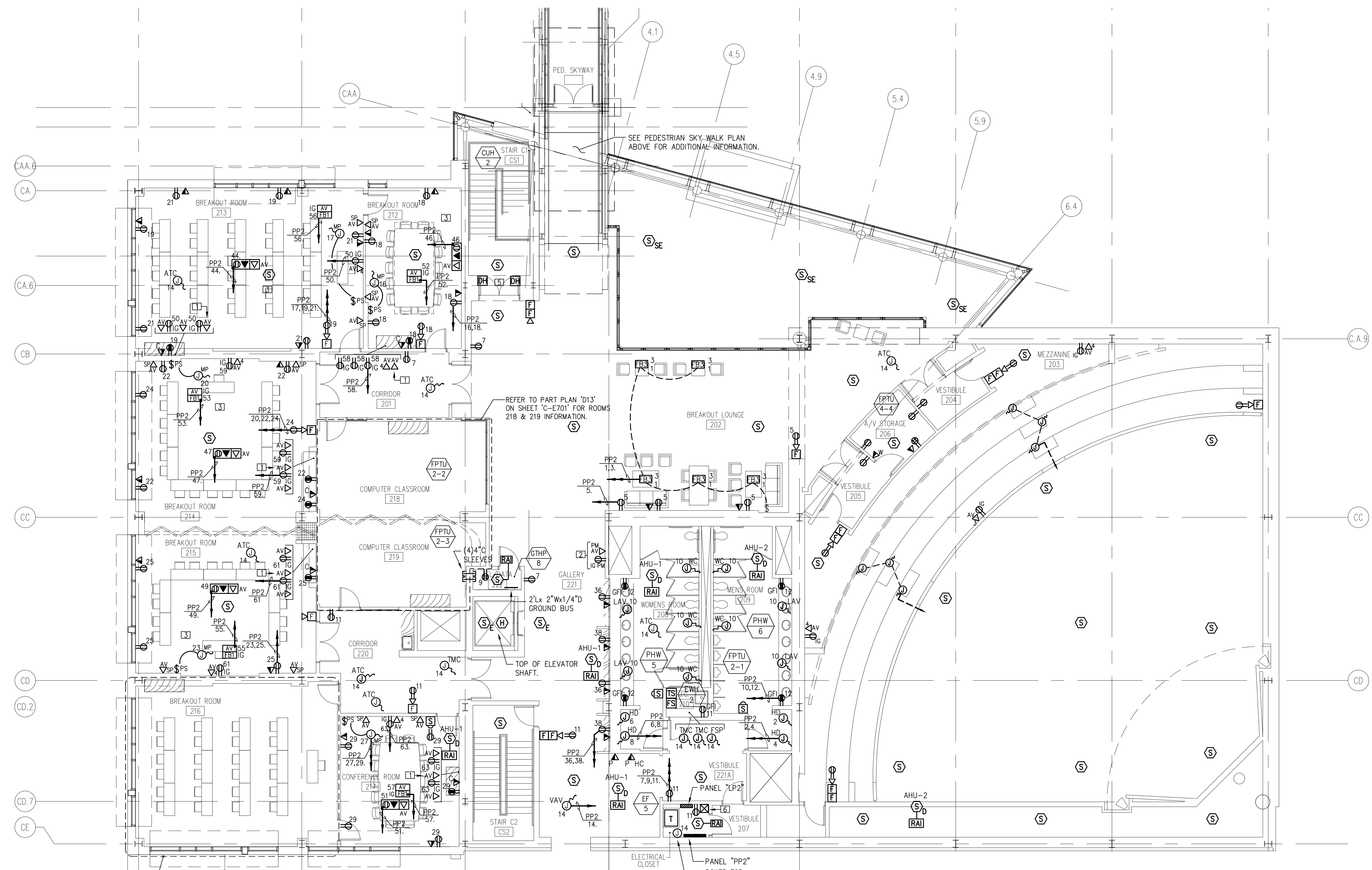
drawing title		FIRST FLOOR POWER AND SYSTEMS PLAN	
seal	designed by	project no.	5001024.00
	drawn by	CAD file no.	JNA
	checked by	drawing no.	MFR
	date		1/19/2004
	scale		1/8"=1'-0"
		C-E202	

GMP NOTE:
 PROVIDE ONE SITE LIGHT AND POLE,
 KIM LIGHTING '1SA-SAR5-175MH277-BL-
 P-HS-PR16141885A-BL-P-VSF15A'
 AND #10 AWG BRANCH WIRING TO PANEL
 'LPB' AT END OF BRIDGE.



N1 PEDESTRIAN SKY WALK POWER AND LIGHTING PLAN

1/8"=1'-0"
 A1



A1 SECOND FLOOR POWER AND SYSTEMS PLAN

1/8"=1'-0"
 A1

GENERAL NOTES

1. REFER TO LEGEND, SYMBOLS, AND NOTES ON DWG C-E001 FOR ADDITIONAL INFORMATION.
2. REFER TO MECHANICAL AND PANEL BOARD SCHEDULES ON DRAWING C-E500 FOR ADDITIONAL INFORMATION.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF THE AUDIOVISUAL EQUIPMENT WITH THE A/V CONTRACTOR PRIOR TO INSTALLING ANY POWER CONNECTIONS.
4. REFER TO AUDIO/VISUAL SYSTEM CONDUIT RISER DIAGRAM FOR ADDITIONAL INFORMATION.
5. COORDINATE WITH ARCHITECTS PLANS, ELEVATIONS AND DETAILS FOR MOUNTING REQUIREMENTS FOR ALL DEVICES.
6. REFER TO HVAC AND PLUMBING DRAWINGS FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
7. ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL CABLE TRAY WITH THE MECHANICAL CONTRACTOR.

KEYED NOTES

- 1 'AVJB1', REFER TO AV RISER DIAGRAM FOR EXACT SIZE OF AV JUNCTION BOX.
- 2 POWER AND AV CONNECTION FOR PLASMA MONITOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLAN AND ELEVATIONS.
- 3 ALL AV POWER SHALL BE ON THE SAME PHASE.
- 4 MOTORIZED PROJECTION SCREEN, REFER TO DETAIL 'G12' ON SHEET 'C-E600' FOR ADDITIONAL INFORMATION.
- 5 MAGNETIC DOOR HOLDERS SHALL BE WIRED TO THE FIRE ALARM SYSTEM. THESE DOORS SHALL BE HELD OPEN UNDER NORMAL CONDITIONS. IN AN EMERGENCY CONDITION THE DOORS WILL CLOSE.
- 6 STARTER FOR 'SEF-1', REFER TO POWER RISER DIAGRAM ON DWG. 'C-E400' FOR ADDITIONAL INFORMATION.

GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

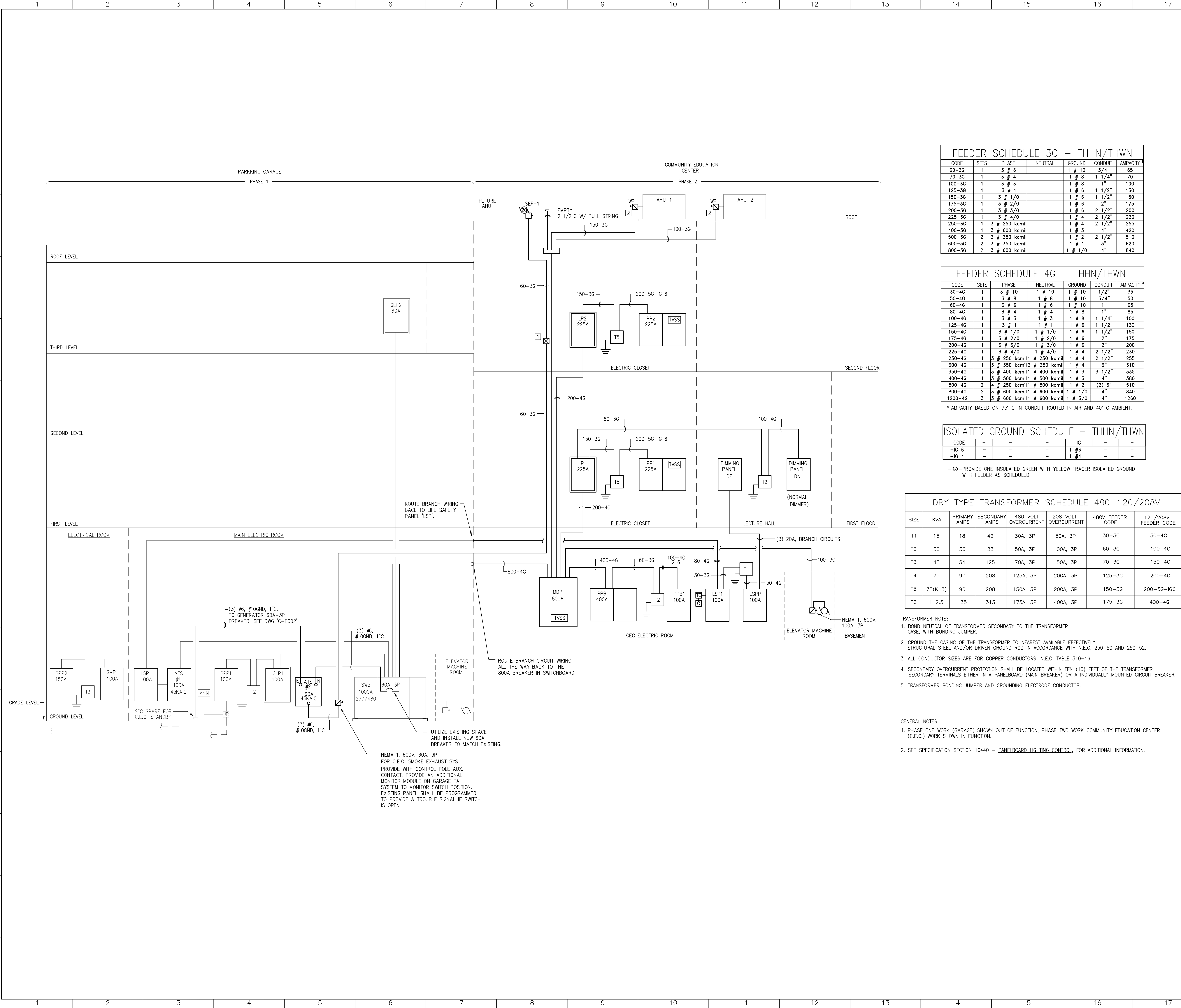
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**UNIVERSITY OF SOUTHERN MAINE
 COMMUNITY EDUCATION CENTER - PHASE 2
 PORTLAND, MAINE**

drawing title **SECOND FLOOR
 POWER AND SYSTEMS PLAN**

seal	designed by JNA	project no. 5001024.00
	drawn by JNA	CAD file no.
	checked by MFR	drawing no.
	date 1/19/2004	C-E203
	scale 1/8"=1'-0"	



FEEDER SCHEDULE 3G -- THHN/THWN

CODE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT	AMPACITY*
60-3G	1	3 # 6		1 # 10	3/4"	65
70-3G	1	3 # 4		1 # 8	1 1/4"	70
100-3G	1	3 # 3		1 # 6	1"	100
125-3G	1	3 # 1		1 # 6	1 1/2"	130
150-3G	1	3 # 1/0		1 # 6	1 1/2"	150
175-3G	1	3 # 2/0		1 # 6	2"	175
200-3G	1	3 # 3/0		1 # 6	2 1/2"	200
225-3G	1	3 # 4/0		1 # 4	2 1/2"	230
250-3G	1	3 # 250 kcmil		1 # 4	2 1/2"	255
400-3G	1	3 # 600 kcmil		1 # 3	4"	420
500-3G	2	3 # 250 kcmil		1 # 2	2 1/2"	510
600-3G	2	3 # 350 kcmil		1 # 1	3"	620
800-3G	2	3 # 600 kcmil		1 # 1/0	4"	840

FEEDER SCHEDULE 4G -- THHN/THWN

CODE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT	AMPACITY*
30-4G	1	3 # 10	1 # 10	1 # 10	1/2"	35
50-4G	1	3 # 8	1 # 8	1 # 10	3/4"	50
60-4G	1	3 # 6	1 # 6	1 # 10	1"	65
80-4G	1	3 # 4	1 # 4	1 # 8	1"	85
100-4G	1	3 # 3	1 # 3	1 # 8	1 1/4"	100
125-4G	1	3 # 1	1 # 1	1 # 6	1 1/2"	130
150-4G	1	3 # 1/0	1 # 1/0	1 # 6	1 1/2"	150
175-4G	1	3 # 2/0	1 # 2/0	1 # 6	2"	175
200-4G	1	3 # 3/0	1 # 3/0	1 # 6	2"	200
225-4G	1	3 # 4/0	1 # 4/0	1 # 4	2 1/2"	230
250-4G	1	3 # 250 kcmil	1 # 250 kcmil	1 # 4	2 1/2"	255
300-4G	1	3 # 350 kcmil	1 # 350 kcmil	1 # 4	3"	310
350-4G	1	3 # 400 kcmil	1 # 400 kcmil	1 # 3	3 1/2"	335
400-4G	1	3 # 500 kcmil	1 # 500 kcmil	1 # 3	4"	380
500-4G	2	4 # 250 kcmil	1 # 500 kcmil	1 # 2	(2) 3"	510
800-4G	2	3 # 600 kcmil	1 # 600 kcmil	1 # 1/0	4"	840
1200-4G	3	3 # 600 kcmil	1 # 600 kcmil	1 # 3/0	4"	1260

* AMPACITY BASED ON 75° C IN CONDUIT ROUTED IN AIR AND 40° C AMBIENT.

ISOLATED GROUND SCHEDULE -- THHN/THWN

CODE	SETS	PHASE	NEUTRAL	GROUND	CONDUIT	AMPACITY*
-IG 6	-	-	-	1 # 6	-	-
-IG 4	-	-	-	1 # 4	-	-

-IGX-PROVIDE ONE INSULATED GREEN WITH YELLOW TRACER ISOLATED GROUND WITH FEEDER AS SCHEDULED.

DRY TYPE TRANSFORMER SCHEDULE 480-120/208V

SIZE	KVA	PRIMARY AMPS	SECONDARY AMPS	480 VOLT OVERCURRENT	208 VOLT OVERCURRENT	480V FEEDER CODE	120/208V FEEDER CODE
T1	15	18	42	30A, 3P	50A, 3P	30-3G	50-4G
T2	30	36	83	50A, 3P	100A, 3P	60-3G	100-4G
T3	45	54	125	70A, 3P	150A, 3P	70-3G	150-4G
T4	75	90	208	125A, 3P	200A, 3P	125-3G	200-4G
T5	75(K13)	90	208	150A, 3P	200A, 3P	150-3G	200-5G-IG6
T6	112.5	135	313	175A, 3P	400A, 3P	175-3G	400-4G

- TRANSFORMER NOTES:**
- BOND NEUTRAL OF TRANSFORMER SECONDARY TO THE TRANSFORMER CASE, WITH BONDING JUMPER.
 - GROUND THE CASING OF THE TRANSFORMER TO NEAREST AVAILABLE EFFECTIVELY STRUCTURAL STEEL AND/OR DRIVEN GROUND ROD IN ACCORDANCE WITH N.E.C. 250-50 AND 250-52.
 - ALL CONDUCTOR SIZES ARE FOR COPPER CONDUCTORS. N.E.C. TABLE 310-16.
 - SECONDARY OVERCURRENT PROTECTION SHALL BE LOCATED WITHIN TEN (10) FEET OF THE TRANSFORMER SECONDARY TERMINALS EITHER IN A PANELBOARD (MAIN BREAKER) OR A INDIVIDUALLY MOUNTED CIRCUIT BREAKER.
 - TRANSFORMER BONDING JUMPER AND GROUNDING ELECTRODE CONDUCTOR.

- GENERAL NOTES**
- PHASE ONE WORK (GARAGE) SHOWN OUT OF FUNCTION, PHASE TWO WORK COMMUNITY EDUCATION CENTER (C.E.C.) WORK SHOWN IN FUNCTION.
 - SEE SPECIFICATION SECTION 16440 - PANELBOARD LIGHTING CONTROL, FOR ADDITIONAL INFORMATION.

GENERAL NOTES

KEYED NOTES

- STARTER FOR 'SEF-1', REFER TO MECHANICAL SCHEDULE ON DWG. 'C-E500' FOR ADDITIONAL INFORMATION.
- REFER TO 'C-E500' FOR ADDITIONAL INFORMATION.

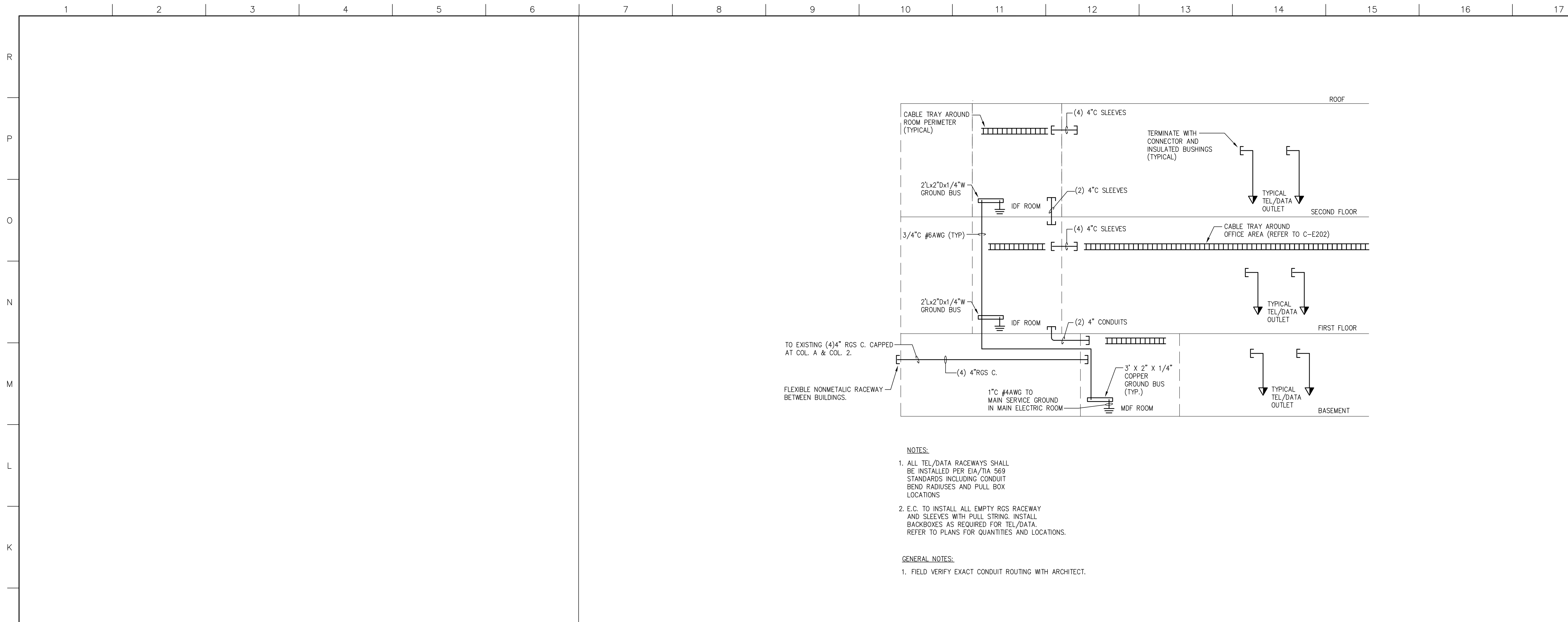
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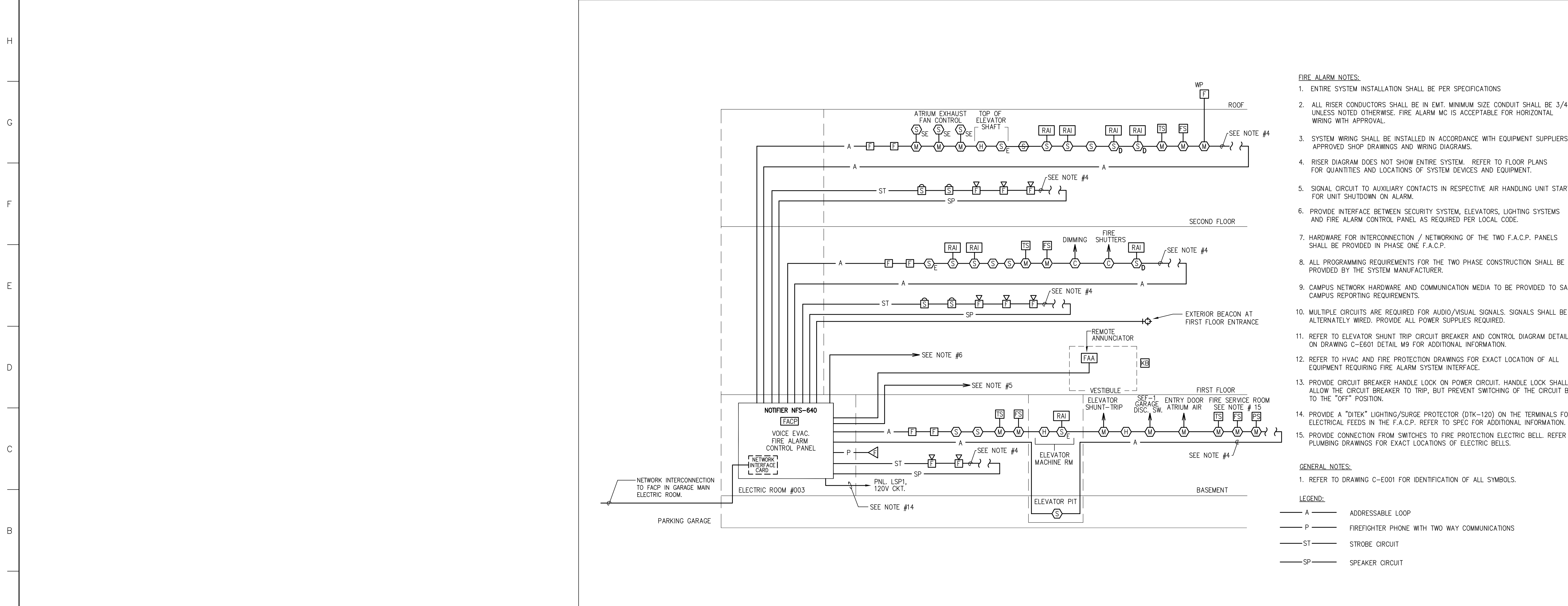
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COMMUNITY EDUCATION CENTER - PHASE 2
PORTLAND, MAINE**

drawing title		POWER RISER DIAGRAM	
seal	designed by	project no.	5001024.00
	JNA	CAD file no.	USM-E400
	drawn by	drawing no.	
	JNA		
	checked by	date	1/19/2004
	MFR	scale	NONE
			C-E400



J7 TELECOMMUNICATION RISER DIAGRAM

NONE



A7 FIRE ALARM RISER DIAGRAM

NONE

GENERAL NOTES

KEYED NOTES

GMP DOCUMENTS	1/19/04
no. revisions/submissions	date

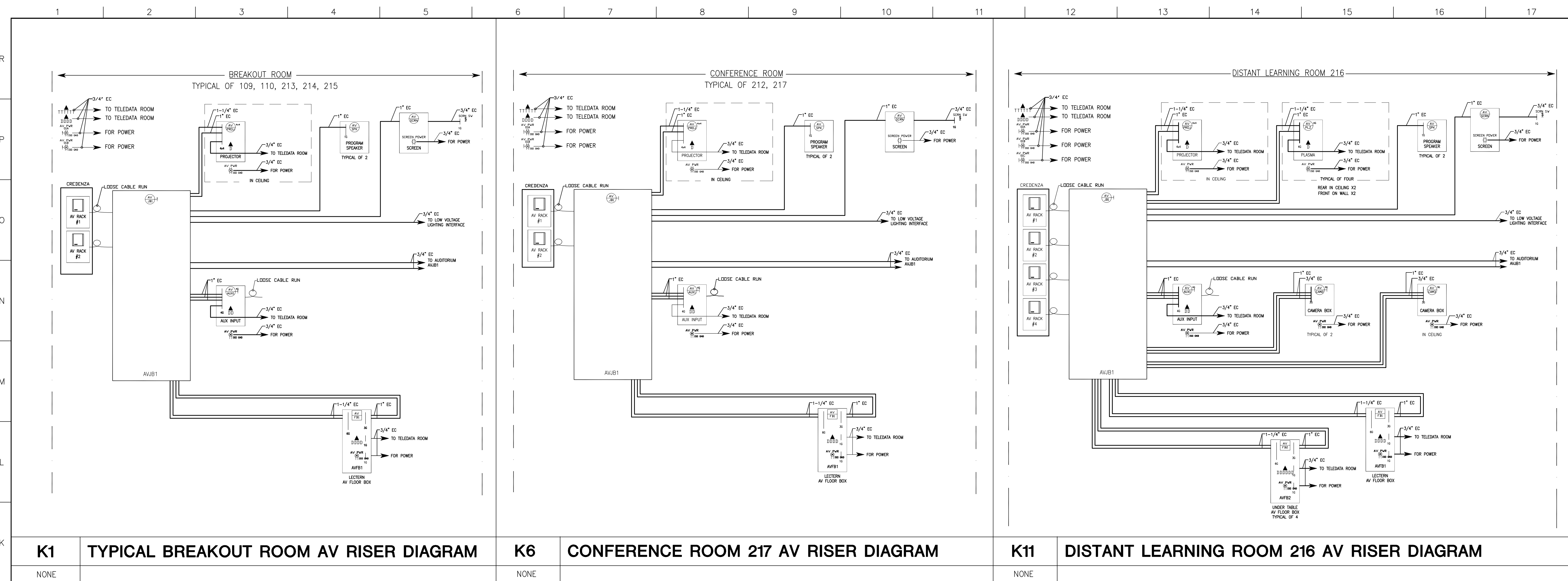
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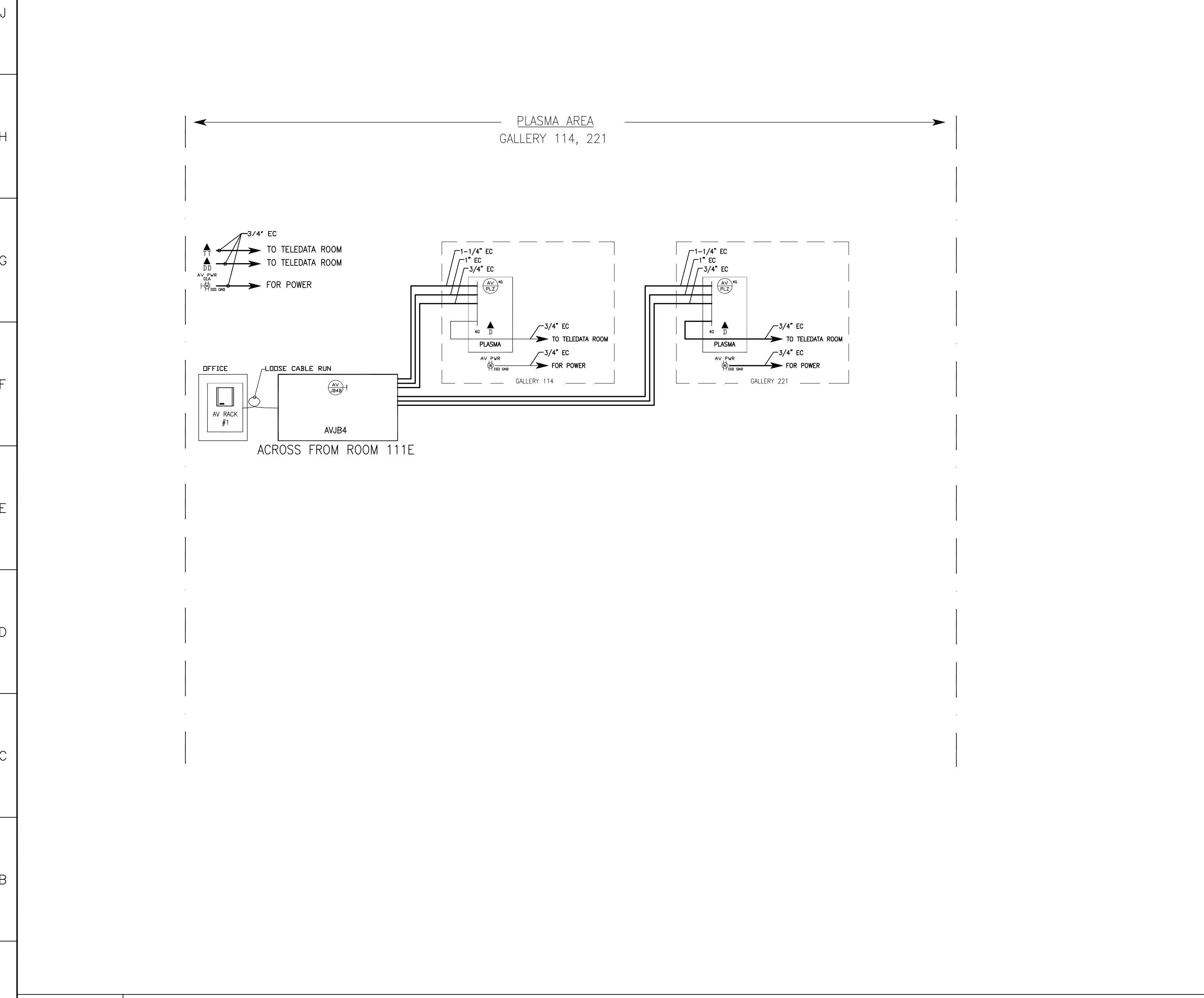
**drawing title FIRE ALARM & TEL/DATA
RISER DIAGRAMS**

seal	designed by JNA	project no. 5001024.00
	drawn by JNA	CAD file no. USM-E401
	checked by MFR	drawing no.
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	scale NONE	

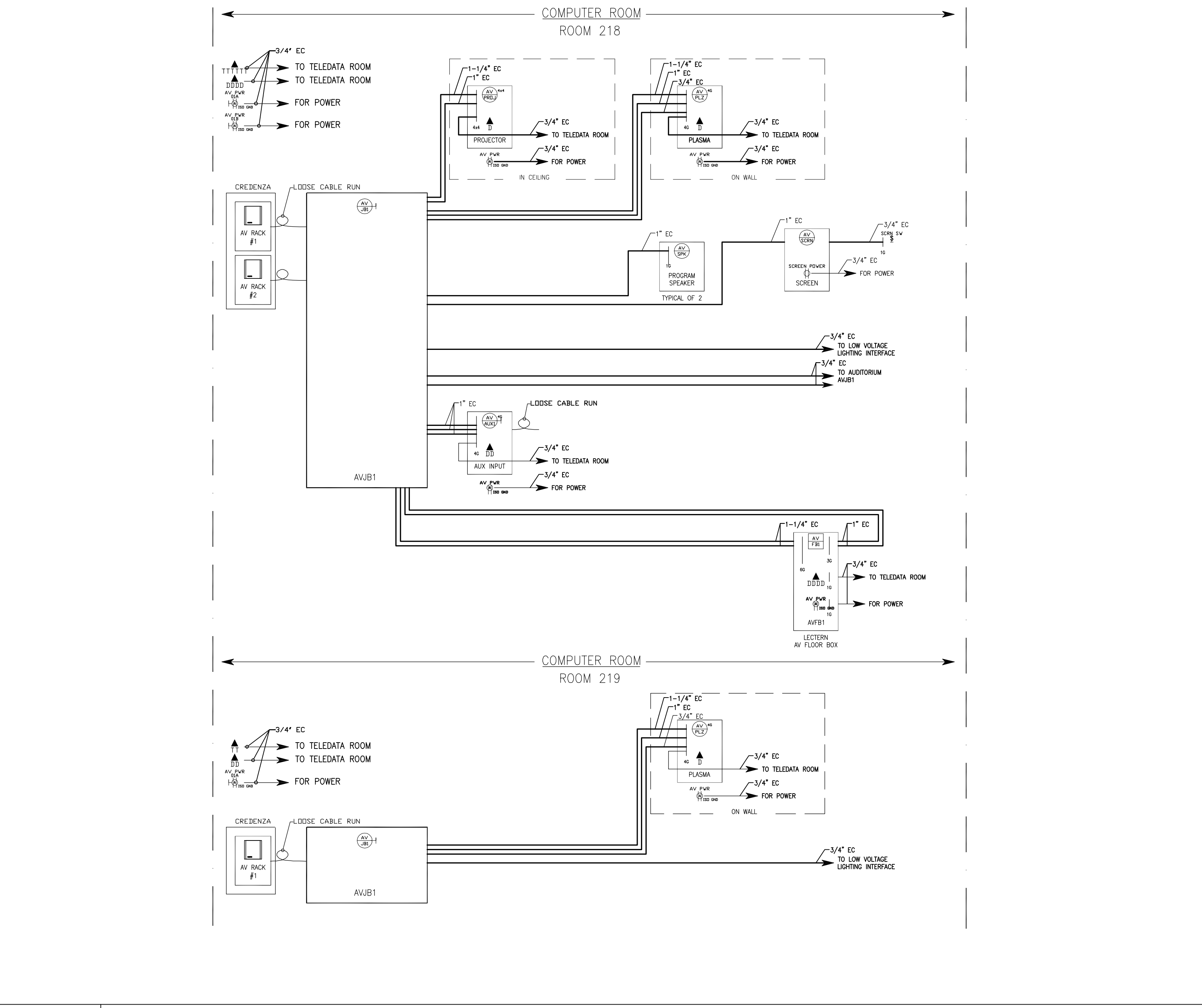


K1	TYPICAL BREAKOUT ROOM AV RISER DIAGRAM	K6	CONFERENCE ROOM 217 AV RISER DIAGRAM	K11	DISTANT LEARNING ROOM 216 AV RISER DIAGRAM
NONE		NONE		NONE	

- EMPTY CONDUIT RUNS ON THIS DRAWING SHOW ONLY INTERCONNECTION BETWEEN THE TERMINATION POINTS. THE EXACT PATH OF CONDUITS ARE TO BE DETERMINED BY THE ELECTRICAL CONTRACTOR AND FIELD CONDITIONS.
- ALL EMPTY CONDUITS ON THIS DRAWING TO BE 3/4" INCH UNLESS OTHERWISE NOTED. ALL EMPTY CONDUITS SHALL BE DEBURRED, CLEANED, CAPPED, TAGGED, AND FURNISHED WITH PULL WIRES.
- ALL CONDUITS SHALL BE EMT WITH PULLBOXES EVERY 100 FEET OR AFTER TWO 90° BENDS. PROVIDE CONDUIT WITH PULL STRINGS WITH LABELS AT RACK END INDICATING DEVICE CONDUIT SERIES.
- THE METHOD OF INSTALLATION OF BOXES IN WALLS AND THE METHOD OF PASSAGE OF CONDUITS AND WIREWAYS THROUGH ACOUSTICALLY SENSITIVE WALLS SHALL BE COORDINATED WITH THE ACOUSTICAL CONSULTANT.
- ELECTRICAL FEEDS ARE NOT TO BE RUN PARALLEL WITH VIDEO AND/OR AUDIO LINES OR RACEWAYS. IF ELECTRICAL FEEDS MUST RUN PARALLEL TO AUDIO/VIDEO LINES, A MINIMUM OF 4 FT OF SEPARATORS MUST BE MAINTAINED.
- DEVICE DESIGNATIONS ARE BY A/V DESIGN.
- CONDUIT RISER SHOWS INTERCONNECTIONS ONLY, EXACT PATH SHALL BE BY E.C.
- COORDINATE ALL LOCATIONS OF DEVICES WITH ARCHITECTURAL PLANS/ELEVATIONS PRIOR TO ROUGH-IN. ANY QUESTIONS SHALL BE BROUGHT TO THE ATTENTION OF ARCHITECT IN THE FIELD.
- FLOOR BOXES SHALL BE FSR INC. FL-1500 SERIES. SUBMIT BOX FOR APPROVAL BY A/V CONSULTANT PRIOR TO PURCHASE.
- "1" FOR SINGLE GANG WALLBOX, "2" FOR TWO GANG, "4" FOR FOUR GANG, "C" FOR CEILING MOUNTED, "W" FOR WALL MOUNTED.
- CONDUIT TERMINATED WITH INSULATED BUSHING ON CONNECTOR. CONDUIT SHALL BE TERMINATED AT CLOSEST "ACTIVE" IDF CLOSET
- WALLBOX SHALL BE CRESTON BB1000 - SUBMIT BOX FOR APPROVAL BY A/V CONSULTANT PRIOR TO PURCHASE.



A1	PLASMA AV RISER DIAGRAM
NONE	



A9	COMPUTER ROOM AV RISER DIAGRAM
NONE	

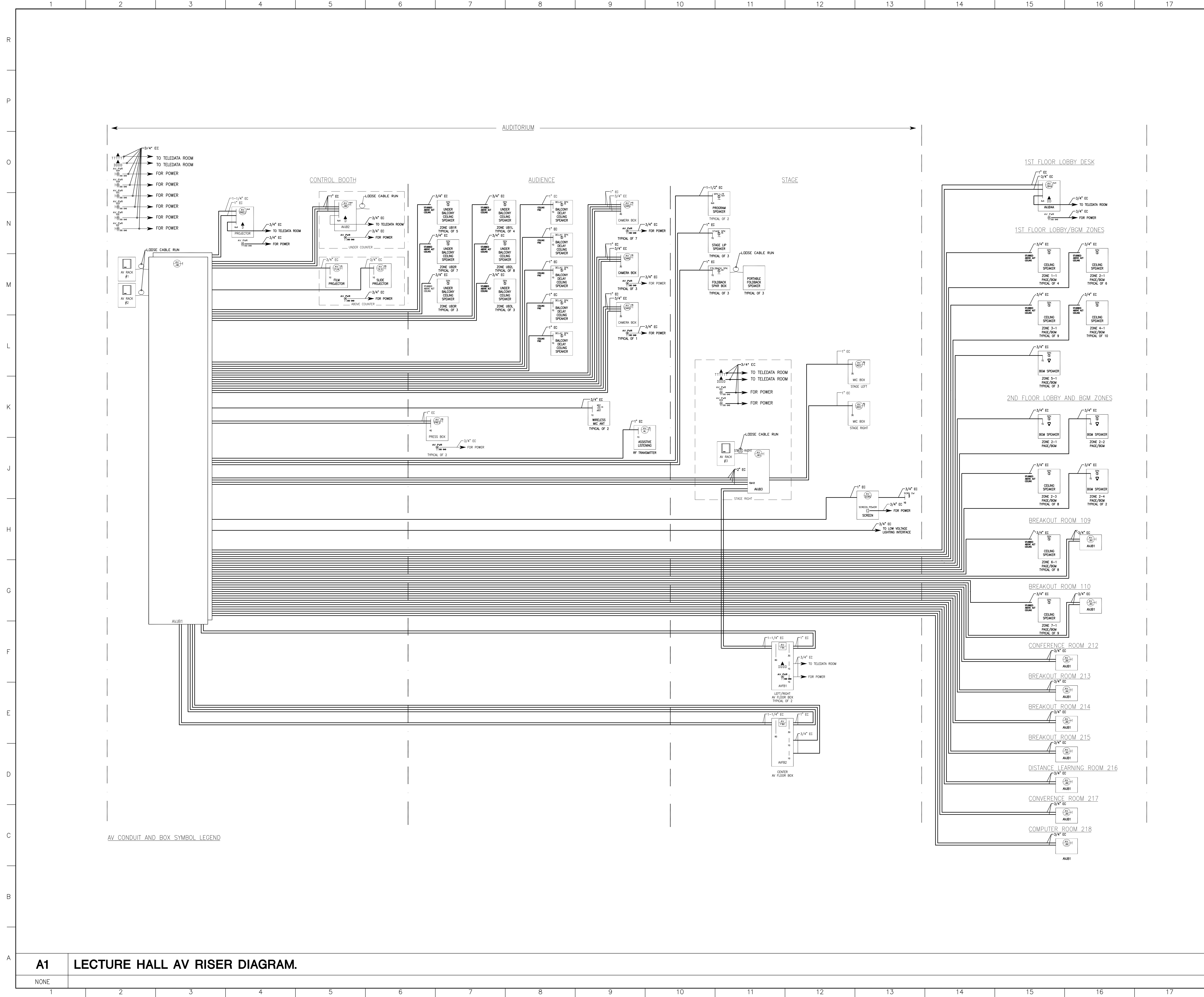
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seal	designed by	project no.	5001024.00
	JNA		
	drawn by	CAD file no.	USM-E402
	JNA		
	checked by	drawing no.	
	MFR		
	date		C-E402
	1/19/2004		
	scale		
	NONE		



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seal	designed by	project no.	5001024.00
	drawn by	CAD file no.	USM-E403
	checked by	drawing no.	
	date		C-E403
	1/19/2004		
	scale		
	NONE		

A1 LECTURE HALL AV RISER DIAGRAM.

LIGHTING FIXTURE SCHEDULE						
TYPE	VOLT	DESCRIPTION	MOUNTING	LAMPING	APPROVED MFRS	REMARKS
RF1	120V	COVE LIGHT, 1-LAMP	SURFACE IN COVE	54W TSHO 835 (SINGLE LAMP IN SECTION)	LITECONTROL COVE-25 CC-AI-2500 TSHO SERIES	
RF2	120V	FLUORESCENT LIGHTING IN AUDITORIUM CEILING SYSTEM, 2-LAMP - DIMMABLE	SURFACE IN CEILING SYSTEM	54W TSHO 835 (DOUBLE LAMP SECTION)	FOCAL POINT REVOLUTION FRES-SB-2TSHO-D SERIES	INTEGRATED IN AUDITORIUM CEILING SYSTEM. SUSPENSION TYPE AND LENGTH TO BE DETERMINED ON AUDITORIUM DIMMING SYSTEM.
RF3	120V	PERIMETER WALL SLOT, OPEN PARABOLIC REFLECTOR	RECESSED	54W TSHO 835 (SINGLE LAMP IN SECTION)	LITECONTROL WALL/SLOT 2000PR SERIES	
RF6	TBD	EXTERIOR SIGN LIGHTING	TBD	TBD	ALLOW \$1,000	DESIGN TO BE DEVELOPED WITH ARCHITECT.
RC1	120V	DOWNLIGHT, 6" APERTURE	RECESSED	(1) 32W TTT 830 COMPACT FLUORESCENT	LIGHTOLIER CALCULITE 8021CCLW SERIES	
RC2	120V	WALL WASHER, LENSED, 6" APERTURE	RECESSED	(1) 32W TTT 830 COMPACT FLUORESCENT	LIGHTOLIER CALCULITE 8046 CLW SERIES	
RC3	120V	SURFACE CYLINDER DOWNLIGHT, LOBBY WINDOW WALL	SURFACE TO MULLION	(1) 32W TTT 830 COMPACT FLUORESCENT	SHARPER STARTER HOUSE 689-CF1/32-120-NA-AB SERIES	FINISH COLOR TO BE DETERMINED.
RC4		CANTILEVERED WALL WASHER	CANTILEVER ARM	(1) 32W TTT 830	ELLIPTIPAR F122-P132-X-02-SERIES	MODIFIED FOR 18" CANTILEVER ARM AND 32W LAMP.
RH1	120V	DOWNLIGHT, HALOGEN PAR30, 6" APERTURE	RECESSED	(1) 75W HALOGEN PAR30 NFL	LIGHTOLIER CALCULITE B7705 CLW SERIES	
RH2	120V	WALL WASHER, LENSED, HALOGEN PAR30, 6" APERTURE	RECESSED	(1) 75W HALOGEN PAR30 NFL	LIGHTOLIER CALCULITE C6P30L CLW SERIES	
RH3	120V	ADJUSTABLE ACCENT LIGHT, HALOGEN PAR38, 7.5" APERTURE	RECESSED	(1) 120W HALOGEN PAR38 NFL	LIGHTOLIER CALCULITE C6P30L CLW SERIES	
RH4	120V	SURFACE CYLINDER DOWNLIGHT, AUDITORIUM	SURFACE TO CEILING	(1) 120W HALOGEN PAR38 NFL	LIGHTOLIER CALCULITE 7026AO SERIES	BLACK FINISH.
RH5	120V	THEATRICAL LIGHT	C-CLAMP TO PIPE	(1) 750W HPL QUARTZ	ETC SOURCE FOUR 419 SERIES	BLACK FINISH.
RH6		SURFACE CYLINDER ACCENT LIGHT	SURFACE IN ARCHITECTURAL SLOT - LECTURE HALL	(1) 120W PAR38 NARROW SPOT	BK LIGHTING ALPINE AP-78 SERIES	LOCATION AND MOUNTING HEIGHT TO BE DETERMINED BY ARCHITECT
RM1	277V	SURFACE UPLIGHT, LOBBY WINDOW WALL	SURFACE TO MULLION	(1) 400W CLEAR METAL HALIDE, PULSE-START, 830 COLOR	ELLIPTIPAR STYLE 417 SERIES	INTEGRAL BALLAST. SOLID SOLID ALUMINUM VISOR. FINISH COLOR TO BE DETERMINED.
RM2		2-HEAD PENDANT CEILING AND WALL WASHER	PENDANT	(1) 400W CLEAR METAL HALIDE, PULSE-START, 830 COLOR (EA. HEAD)	ELLIPTIPAR M417 - TWO WAY PENDANT SERIES	MODIFIED FOR (1) UPLIGHT AND (1) WALL WASHER APPLICATION. PENDANT LENGTH TO BE DETERMINED.
RM3		SURFACE CYLINDER ACCENT LIGHT	SURFACE IN ARCHITECTURAL SLOT - LOBBY	(1) 35W CLEAR METAL HALIDE, PAR 30 SPOT	BK LIGHTING SIERRA SE-63 SERIES	INTEGRAL BALLAST LOCATION AND MOUNTING HEIGHT TO BE DETERMINED BY ARCHITECT
RX1	277V	FLUORESCENT UPLIGHT PEDESTRIAN BRIDGE	SURFACE TO STRUCTURE	54W TSHO 835 (SINGLE LAMP IN SECTION)	ELLIPTIPAR STYLE 106 F106-T155-02 SERIES	INTEGRAL BALLAST QTY. TO BE DETERMINED BY ARCHITECT.
RX3	277V	EXTERIOR SURFACE DOWNLIGHT BRACKET	SURFACE TO EXTERIOR COLUMN	(1) 35W CLEAR METAL HALIDE PAR 30, 830 COLOR	BK LIGHTING SIERRA SE-63 SERIES.	INTEGRAL BALLAST. FINISH COLOR TO BE DETERMINED. UL WET LOCATION.

GENERAL INSTRUCTIONS:

- VOLTAGE FOR ALL LUMINAIRE TYPES TO BE CONFIRMED BY ENGINEER.
- ELECTRONIC BALLASTS UNLESS OTHERWISE SPECIFIED.
- DIMMING BALLASTS (ARE ELECTRONIC FOR FULL RANGE DIMMING FROM 100% TO 1% OUTPUT. CONTRACTOR TO CONFIRM COMPATIBILITY WITH LIGHTING CONTROLS.
- FLUORESCENT LAMPS TO BE LOW-MERCURY PRODUCTS BY OSRAM SYLVANIA, PHILIPS, OR GE.
- ALL FINISHES, STEM LENGTHS, SPECIAL MOUNTING DETAILS, ETC. TO BE CONFIRMED BY CONTRACTOR WITH ARCHITECTS.
- SHOP DRAWINGS AND SUBSTITUTION PROPOSALS MUST BE REVIEWED AND APPROVED BY LIGHTING DESIGNER AND ELECTRICAL ENGINEERS.

LIGHTING FIXTURE SCHEDULE							
TYPE	VOLTAGE	DESCRIPTION	MOUNTING	LAMPING	INPUT WATTS	MANUFACTURER	REMARKS AND KEY NOTES
E	277V	SINGLE FACE EXIT SIGN, THERMOPLASTIC HOUSING.	BACK	ELECTRO-LUMINESCENT	1/4 WATT	LIGHTPANEL # LPT-AC-1B SURELITES # HIGHLIGHTS #	[3]
E1	277V	SINGLE FACE DIE CAST ALUMINUM HOUSING BACK MOUNT	BACK	ELECTRO-LUMINESCENT	1/4 WATT	LIGHTPANEL # DCA-AC-1B SURELITES # HIGHLIGHTS #	[3]
E2	277V	DOUBLE FACE DIE CAST ALUMINUM HOUSING BACK MOUNT	TOP	ELECTRO-LUMINESCENT	1/4 WATT	LIGHTPANEL # DCA-AC-2B SURELITES # HIGHLIGHTS #	[3]
E3	277V	DOUBLE FACE DIE CAST ALUMINUM HOUSING CEILING MOUNT	TOP	ELECTRO-LUMINESCENT	1/4 WATT	LIGHTPANEL # DCA-AC-2B SURELITES # HIGHLIGHTS #	[3]
F1	277V	8' WALL MTD INDIRECT FLUOR. FIXTURE	WALL	FLUOR 4-32W/18 3500K	150 WATT	LITECONTROL # W-AI-96P48T8-ELB-1CW0-277 PRUDENTIAL # LINEAR #	
F2	277V	4' INDIRECT/DIRECT PENDANT MTD FLUOR. FIXTURE	PENDANT	FLUOR 2-32W/18 3500K	70 WATT	LITECONTROL # P-ID-9024T8-PARSS-TW-ELB-2CW0-277 PRUDENTIAL # LINEAR #	[2]
F2A	277V	8' INDIRECT/DIRECT PENDANT MTD SAME AS TYPE F2 EXCEPT LENGTH	PENDANT	FLUOR 4-32W/18 3500K	150 WATT	LITECONTROL # P-ID-9048T8-PARSS-TW-ELB-2CW0-277 PRUDENTIAL # LINEAR #	[2] [5]
F3	277V	FLUOR WALL SLOT FIXTURE WITH RECESSED BAFFLE	CEILING RECESSED	FLUOR 2-32W/18 2-25W/18 3500K		LITECONTROL # 85N24T8-S/BW-CWM-G-ELB-PR-277 NEO RAY # PRUDENTIAL #	[1]
F4	277V	5" APERTURE COMPACT FLUOR, DOWNLIGHT	CEILING RECESSED	FLUOR 32W-TRT 3500K	40 WATT	LITHONIA # AFV-1/32TRT-5AR-277-DMHL-TRW EDISON PRICE # PORTFOLIO #	
F5	277V	16" INDIRECT PENDANT MTD FLUOR. COMPUTER CLASSROOM FIXTURE	PENDANT	FLUOR 8-32W/18 3500K	300 WATT	LITECONTROL # P-I-9848T8-CWM-TW-ELB-277 PRUDENTIAL # LINEAR #	[2] [5]
F6	277V	8' DIRECT/INDIRECT PENDANT MTD FLUOR. CONFERENCE RM FIXTURE 3 LAMP CROSS SECTION	PENDANT	FLUOR 6-32W/18 3500K	230 WATT	LITECONTROL # P-ID-5268T8-PBSS-CBC-ELB-1CW0-277 PRUDENTIAL # LINEAR #	[2] [4]
F7	277V	1'x4' FLUORESCENT GENERAL PURPOSE INDUSTRIAL STRIP WITH WIREGUARD	SURFACE	FLUOR 2-32W/18 3500K	70 WATT	LITHONIA # EJ-2-32-277-GEB-HC36-WSEJ METALUX # LIGHTOLIER #	USE CHAIN HANGERS AS NEEDED
F8	277V	8" APERTURE COMPACT FLUOR. DOWNLIGHT WITH CROSS BAFFLE	CEILING RECESSED	FLUOR 1-32TRT 3500K	40 WATT	LITHONIA # AF-2/26TRT-8CB-277-GEB10 EDISON PRICE # PORTFOLIO #	
F9	277V	8' INDIRECT PENDANT MTD FLUOR. FIXTURE	PENDANT	FLUOR 4-32W/18 3500K	150 WATT	LITECONTROL # P-ID-9348T8-PBSS-ELB-277 PRUDENTIAL # LINEAR #	[2]
F9A	277V	4' INDIRECT PENDANT MTD FLUOR. FIXTURE	PENDANT	FLUOR 2-32W/18 3500K	70 WATT	LITECONTROL # P-ID-9324T8-PBSS-ELB-277 PRUDENTIAL # LINEAR #	[2]
F10	277V	4' CLASS 1 DIVISION 2 HAZARDOUS LOCATION FIXTURE	SURFACE	FLUOR 2-32W/18 3500K	70 WATT	PARAMOUNT # HC4-2-32-3-S5-JB-277V GUTH # NUJART #	OR APPROVED EQUAL
F11	277V	HIGH ABUSE SCENCE FIXTURE IN STAIRWELL C2	WALL	FLUOR 1-26W 3500K	35 WATT	KENALL # M013HL-S-MW-260-I-277 FAILSAFE # LITHONIA #	
F12	277V	EXTERIOR BUILDING MOUNTED FIXTURE MASTER COLOR METAL HALIDE LAMP	WALL	1-70W T6 MH	75 WATT	DESIGN PLAN # DU2-9-HID-R2-P-EW-277-T BEGA #	
F13	120V	ARCHITECTURAL WALL SCENCE WITH SANDBLASTED ACRYLIC LENS WITH INTEGRAL DIMMING BALLAST	RECESSED WALL	FLUOR 1-32TRT OX24q-3	40 WATT	VISA # CB6140-11F32-120V-BA-SB-DIM-FU	(ALLOW \$550 COST ONLY) CONTROLLED BY DIMMING PANEL DE
F14	277V	1' x 4' PARABOLIC TROFFER FLUOR. FIXTURE	CEILING RECESSED	FLUOR 2-32W/18 3500K	70 WATT	LITHONIA # PM3-G-B-2-32-9LD-277-GEB METALUX # LIGHTOLIER #	
F15	277V	WALL BRACKET FLUORESCENT FIXTURE	WALL	FLUOR 1-32W/18 3500K	40 WATT	LITHONIA # WC-1-32-277-GEB-ES METALUX # LIGHTOLIER #	
F16	120V	ELEVATOR PIT LIGHT	WALL	FLUOR 1-26W OX24q-3	30 WATT	CANLET # G-F-WF-26-H1-G-GHC GUTH # APPLETON #	
F17	277V	STAIR C1 FLUOR. WALL MTD FIXTURE WITH ACRYLIC BAFFLE	WALL	FLUOR 1-26W OX24q-3	30 WATT	SHAPER # 689-CF1/26-277-NA-TL-AB VISA # CLS #	
F18	120V	SURFACE MTD LINEAR FLUOR. WALL STRIP	SURFACE	FLUOR 1-32W/18 3500K	40 WATT	LITHONIA # S-1-32T8-120-ES LITECONTROL # S-D-4-14T8-BW-ELB LINEAR #	CONTROLLED BY DIMMING PANEL DN
F19	120V	SURFACE MTD ONE PIECE, POLYCARBONATE FLUOR. ROOF TOP FIXTURE UL LISTED FOR WET LOCATION	SURFACE	FLUOR 1-28W QUAD	35 WATT	HUBBELL # NRG-128-4W NRG-TC1 LITHONIA # APPLETON #	
F20	277V	PERMALUX NRG SERIES POLYCARBONATE FLUORESCENT SURFACE MOUNT.	SURFACE	FLUOR 1-42W	50 WATT	HUBBELL # NRG-304-277	

LIGHTING FIXTURE NOTES:

- FURNISH ALL LIGHTING FIXTURES COMPLETE WITH MOUNTING ACCESSORIES TO MEET THE PROJECT REQUIREMENTS.
- VERIFY FIXTURE MOUNTING, HEIGHTS AND LOCATION AGAINST PLANS, ELEVATIONS AND DETAIL DRAWINGS. EXACT LOCATION SHALL BE CONFIRMED WITH THE ARCHITECT PRIOR TO ROUGH-IN.
- SERIES FIXTURES SHALL SATISFY LENGTHS AS INDICATED ON THE DRAWINGS. FIELD VERIFY EXACT LENGTHS AND PROVIDE COMPONENTS AND ACCESSORIES REQUIRED FOR COMPLETE INSTALLATION.
- FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE, INDEPENDENT OF HUNG CEILING. REFER TO SPECIFICATIONS.
- EXTERIOR FIXTURES SHALL BE SUPPLIED WITH COLD WEATHER BALLASTS.
- BALLASTS SHALL BE PROVIDED BY ONE MANUFACTURER, AND PROVIDED PER SPECIFICATIONS.
- INCANDESCENT LAMPS SHALL BE RATED 130 VOLTS UNLESS OTHERWISE INDICATED.
- ALL LAMPS SHALL HAVE COLOR TEMPERATURE OF 3500K GENERALLY USED BY U.S.M. USE ONLY 4' LAMPS FOR LINEAR FIXTURES. 8 FOOT LAMPS SHALL NOT BE USED.

LIGHTING FIXTURE KEY NOTES:

- FIXTURE SHALL HAVE 2 LAMP IN CROSS SECTION, 4' LAMP SHALL BE THE PREDOMINATE LAMP USED WITH 3' LAMPS USED ONLY AS NECESSARY. FURNISH AND INSTALL ALL NECESSARY FILLERS, EXTENSIONS AND END CAPS FOR A CONTINUOUS WALL TO WALL APPEARANCE. FURNISH AND INSTALL WALL ANGLE FOR THE PARABOLIC LOUVER ON INSIDE WALL AS REQUIRED. EXTRUDED WALL ANGLE TO MOUNT FIXTURES TO WALL AND WHITE BAFFLE SHALL BE LOCATED IN RECESSED POSITION.
- PROVIDE AIR CRAFT CABLE LENGTH PER ARCHITECT. REFER TO DRAWINGS FOR FIXTURE LENGTH AND CIRCUITRY REQUIREMENTS.
- PROVIDE EXIT SIGN ARROWS AS INDICATED ON LIGHTING FLOOR PLANS.
- PROVIDE DUAL SWITCHING, WITH OUTSIDE LAMPS ON SWITCH LEG 'a' AND MIDDLE LAMP ON SWITCH LEG 'b'.
- FIXTURE SHALL BE PROVIDED WITH A JOINT FLAT STRAP SUPPORTING TWO FIXTURES AT JOINT SEAM. FIXTURE SHALL BE TANDEM WIRED, FIXTURES WIRED TO SWITCH IN-LINE LAMPS SEPARATELY, PROVIDING TWO OR THREE (3 LAMP FIXTURES) LEVELS OF LIGHT.

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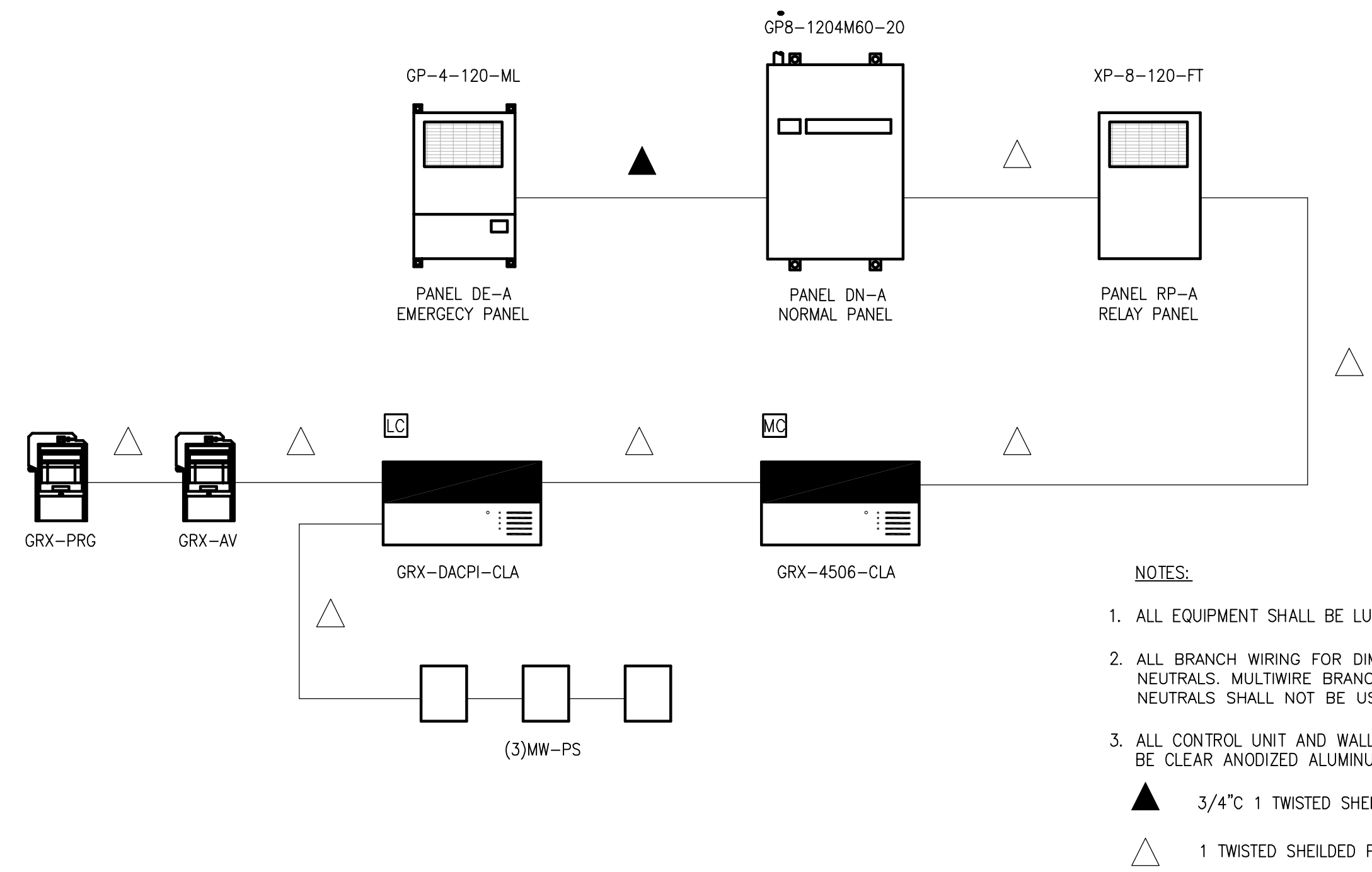
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drawing title **LIGHTING SCHEDULE
AND NOTES**

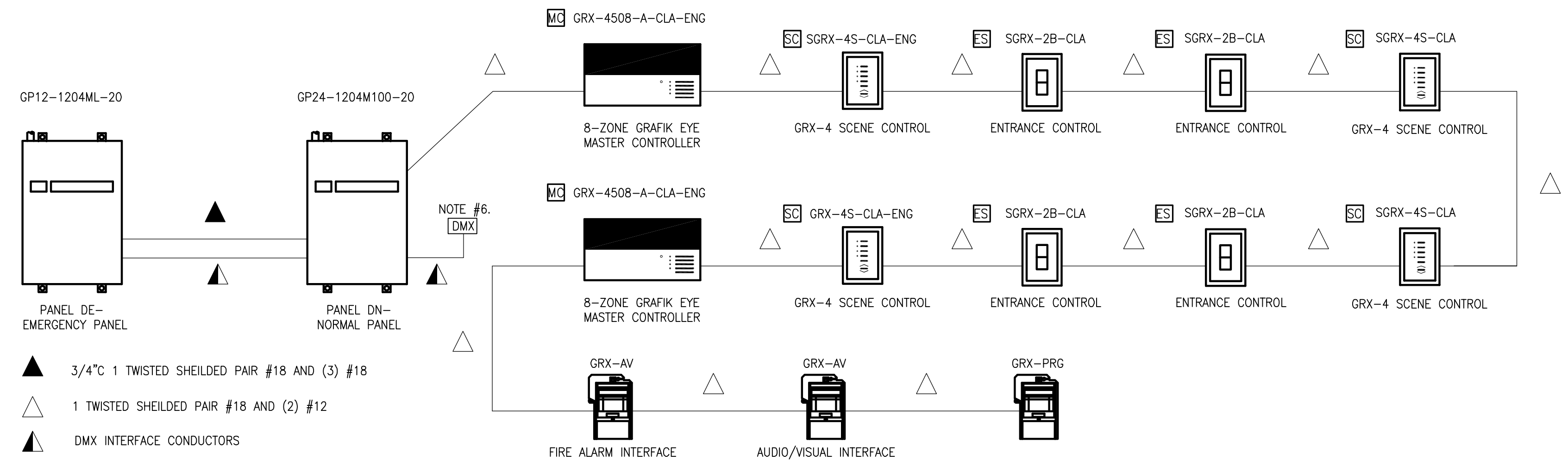
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scale NONE	



ZONE/CIRCUIT SCHEDULE - ATRIUM							
ZONE	DESCRIPTION/FIXTURE TYPE	CIRCUIT NUMBER	VOLTAGE	PANEL	LOAD TYPE	FIXTURE LOAD	TOTALLOAD* W/WVA
1	TYPE	1	120	DN-A	FLUOR		
2	TYPE	2	120	DN-A	FLUOR		
1	TYPE	3	120	DN-A	INC		
2	TYPE	4	120	DN-A	INC		
1	TYPE	5	120	DN-A	INC		
3	TYPE	1E	120	DE-A	INC		
2	TYPE	2E	120	DE-A	INC		
4	TYPE	1	120	RP-A	MH		
4	TYPE	2	120	RP-A	MH		
4	TYPE	3	120	RP-A	MH		
5	TYPE	4	120	RP-A	MH		
5	TYPE	5	120	RP-A	MH		
	SPARE			DN-A			
	SPARE			DN-A			
	SPARE			DN-A			
	SPARE			DE-A			
	SPARE			DE-A			
	SPARE			RP-A			
	SPARE			RP-A			
	SPARE			RP-A			

J8 ATRIUM DIMMING RISER DIAGRAM AND SCHEDULE

NONE



ZONE/CIRCUIT SCHEDULE - LECTURE HALL							
ZONE	DESCRIPTION/FIXTURE TYPE	CIRCUIT NUMBER	VOLTAGE	PANEL	LOAD TYPE	FIXTURE LOAD	TOTALLOAD* W/WVA
1	AISLE DOWNLIGHTS/ RH3	1	120	DE	HALOGEN	120	1440
2	CEILING FLUORESCENTS/ RF2	1	120	DN	FLUOR.	108	3024
3	MEZZANINE DOWNLIGHTS/ RH4	2	120	DE	HALOGEN	120	600
4	UNDER MEZZANINE DOWNLIGHTS/ RH1	3	120	DE	HALOGEN	75	750
5	UNDER MEZZANINE CODE/ RF3	2	120	DN	FLUOR.		
6	ENTRY VESTIBULE/ RH2	4	120	DE	HALOGEN	75	600
6	RAMP & VESTIBULE 207/F13	5	120	DE	FLUOR.	40	320
7	STAGE DOWNLIGHTS/ RH3	6	120	DE	HALOGEN	750	1500
8	SPOTS - STAGE LEFT/ RH5	3	120	DN	HALOGEN	750	1500
9	SPOTS - LEFT CENTER/ RH5	4	120	DN	HALOGEN	750	1500
10	SPOTS - CENTER STAGE/ RH5	5	120	DN	HALOGEN	750	1500
11	SPOTS - RIGHT CENTER/ RH5	6	120	DN	HALOGEN	750	1500
12	SPOTS - STAGE RIGHT/ RH5	7	120	DN	HALOGEN	750	1500
13	SPARE		120	DN			
14	SPARE		120	DN			
15	SPARE		120	DE			
16	SPARE		120	DE			

- NOTES:**
 1. ALL EQUIPMENT SHALL BE LUTRON, GRAFIK SYSTEMS.
 2. ALL BRANCH WIRING FOR DIMMING SHALL HAVE DEDICATED NEUTRALS. MULTIWIRE BRANCH CIRCUITS WITH COMMON NEUTRALS SHALL NOT BE USED.
 3. ALL FLD LOAD BRANCH WIRING SHALL BE (3)#12, #12GND
 4. ALL WALL STATION AND CONTROL UNIT FINISHES SHALL BE CLEAR ANODIZED ALUMINUM
 5. FIRE ALARM INTERFACE SHALL BRING EMERGENCY CIRCUITS TO FULL ILLUMINATION UPON ALARM SIGNAL.
 6. PROVIDE GMX JACK AT CONTROL ROOM #104.

A8 LECTURE HALL DIMMING RISER DIAGRAM AND SCHEDULE

NONE

GENERAL NOTES

KEYED NOTES

GMP DOCUMENTS 1/19/04
 no. revisions/submissions date

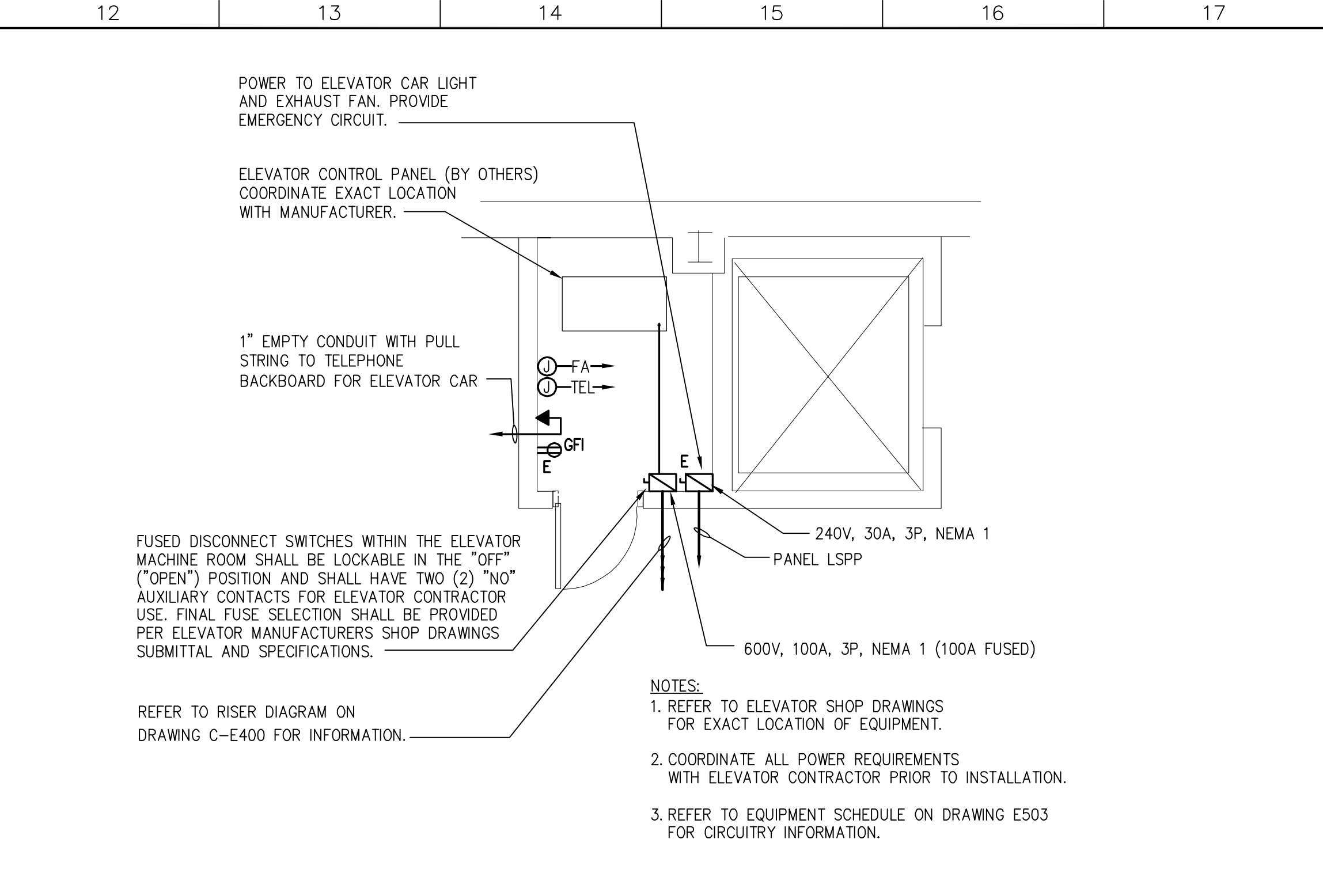
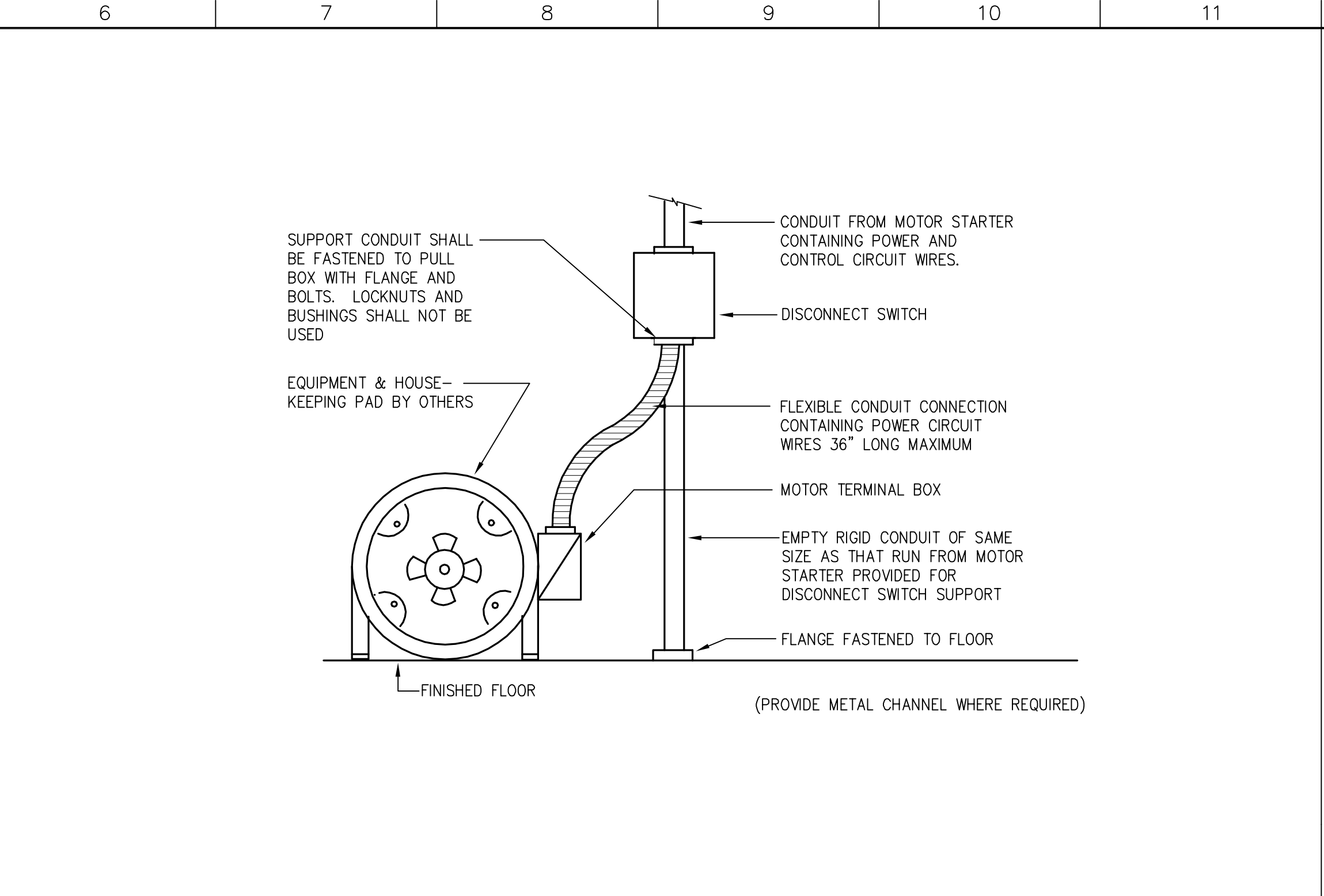
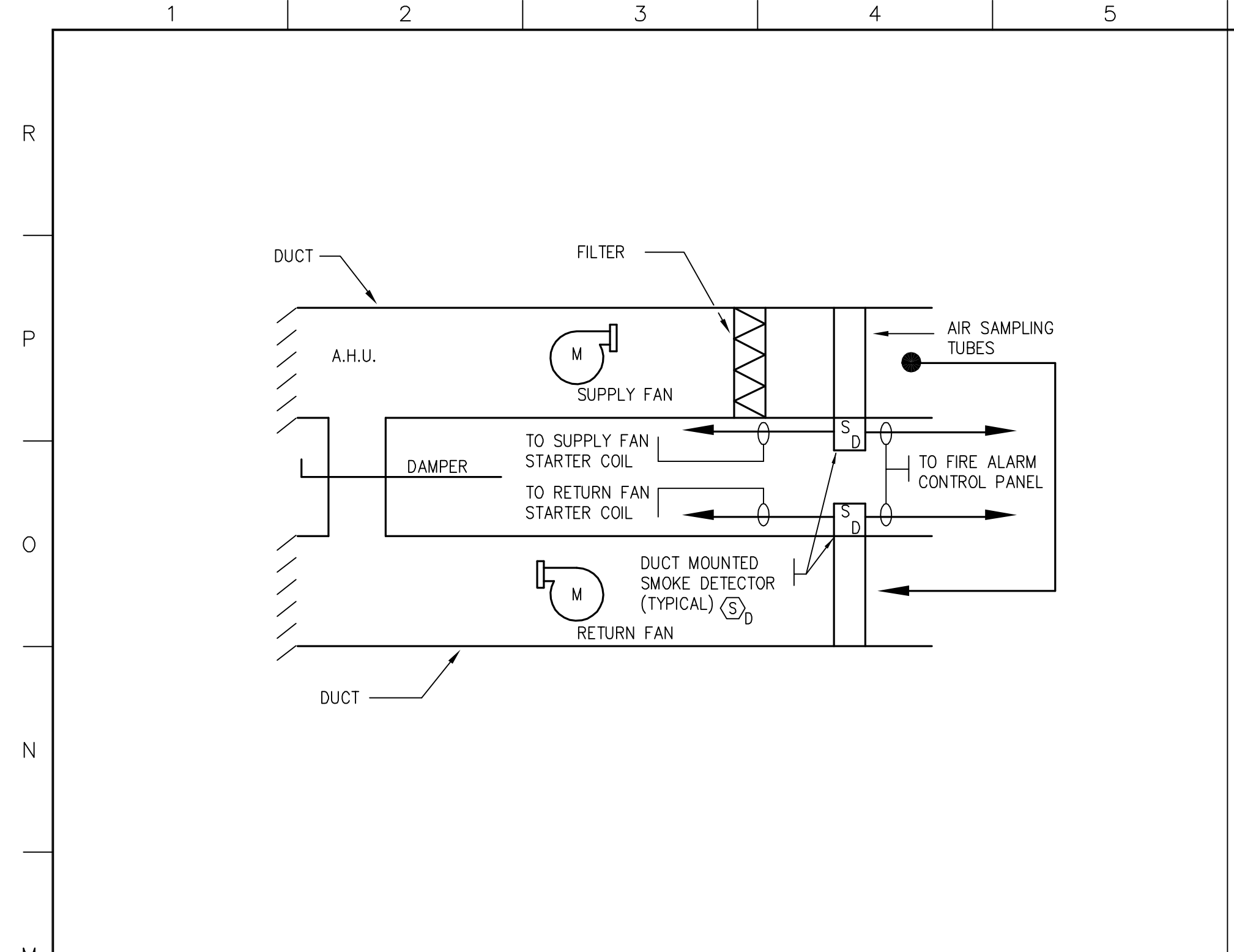
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drawing title **DIMMING SCHEDULES AND RISER DIAGRAM**

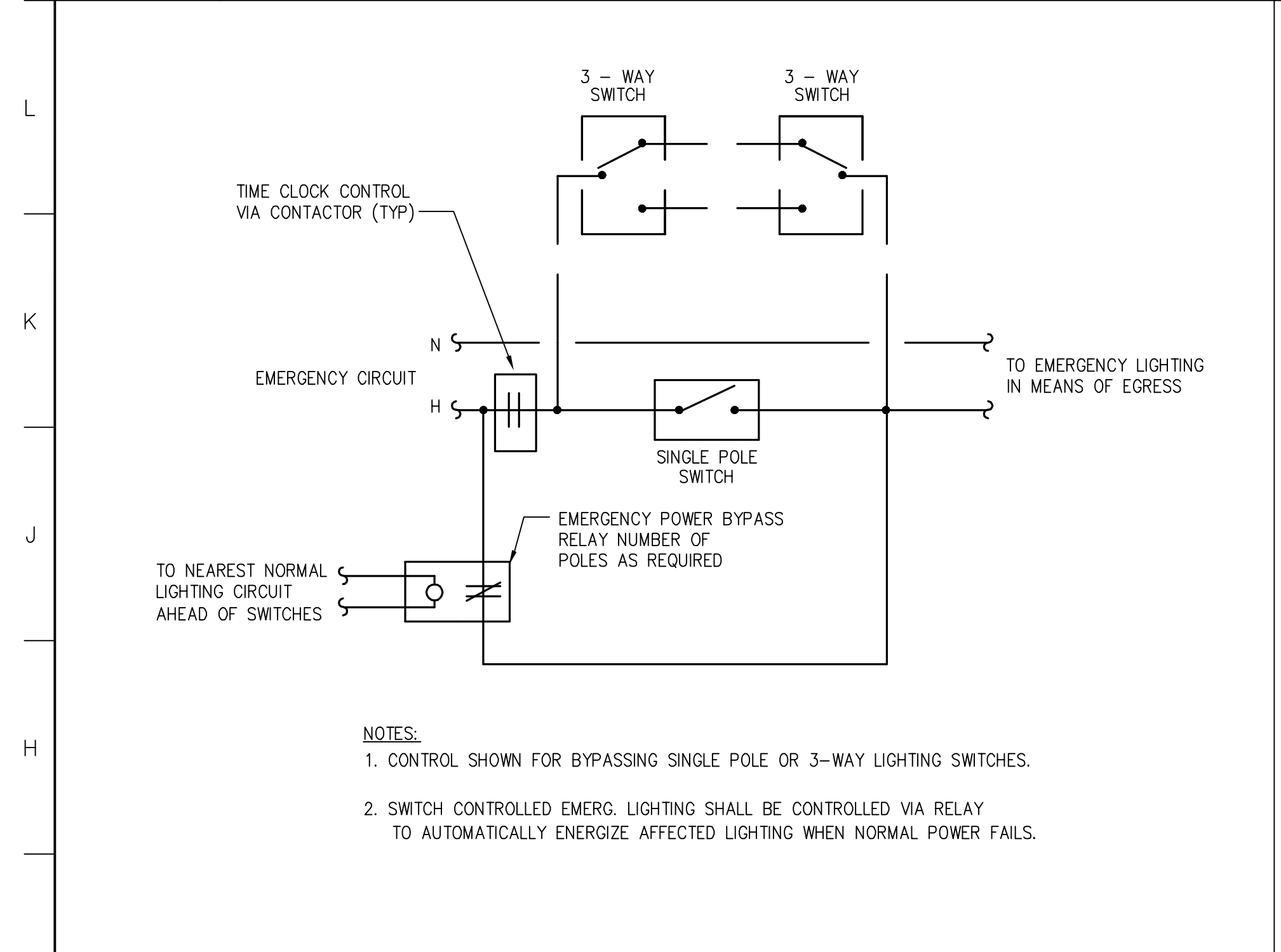
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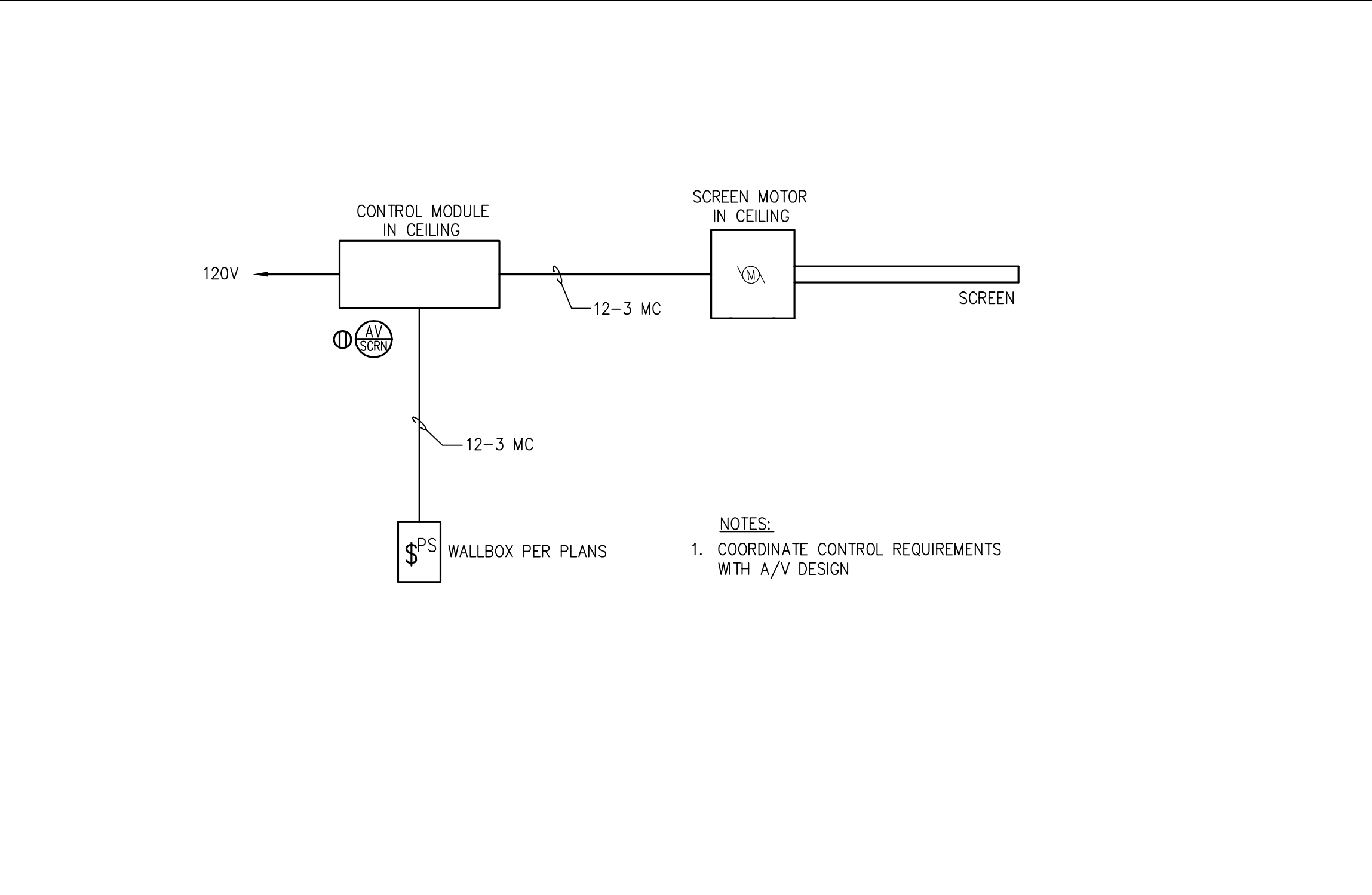
M1 DUCT SMOKE DETECTOR DETAIL

M6 TYPICAL MOTOR DISCONNECT SWITCH MOUNTING DETAIL

M12 ELEVATOR MACHINE ROOM WIRING DETAIL



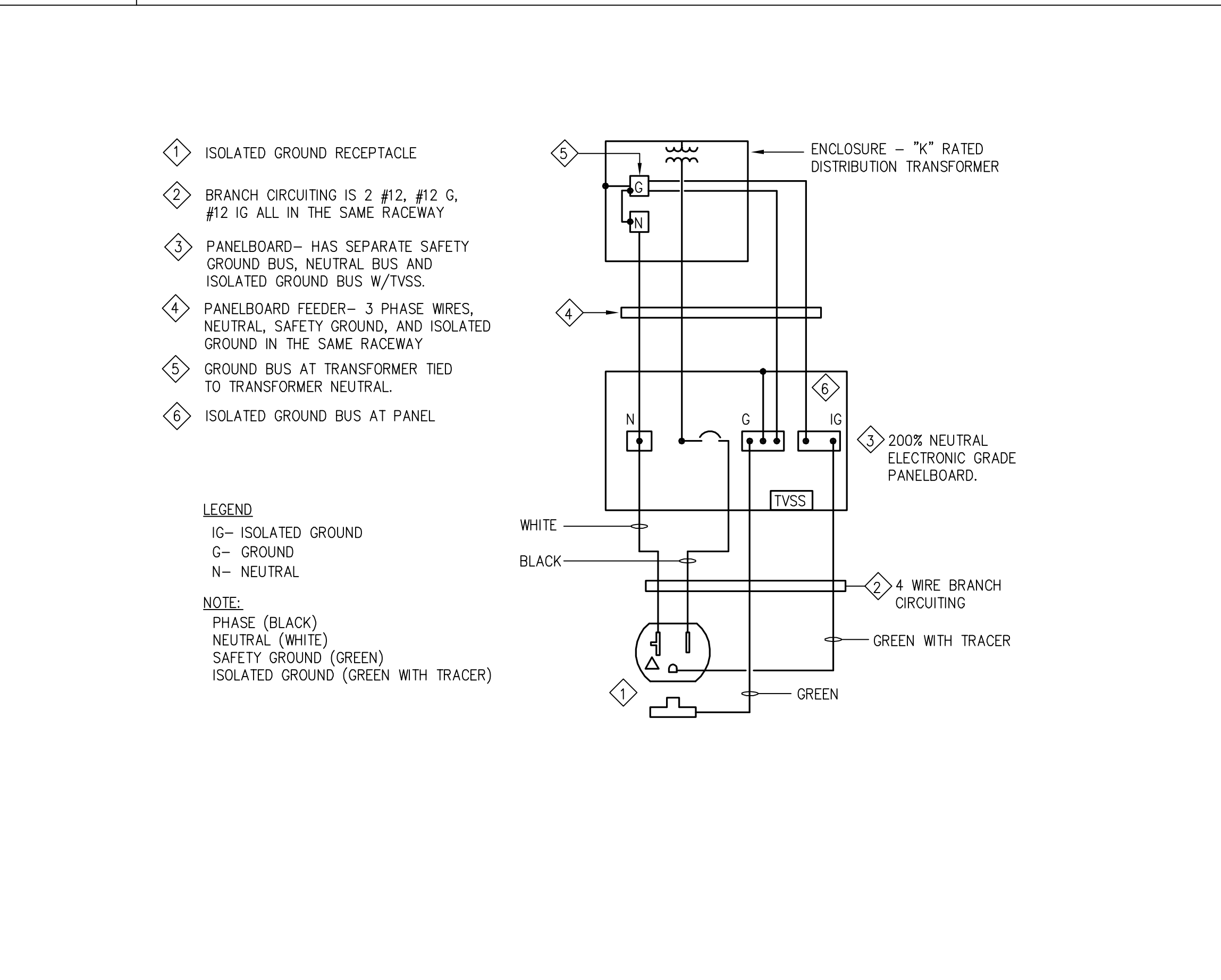
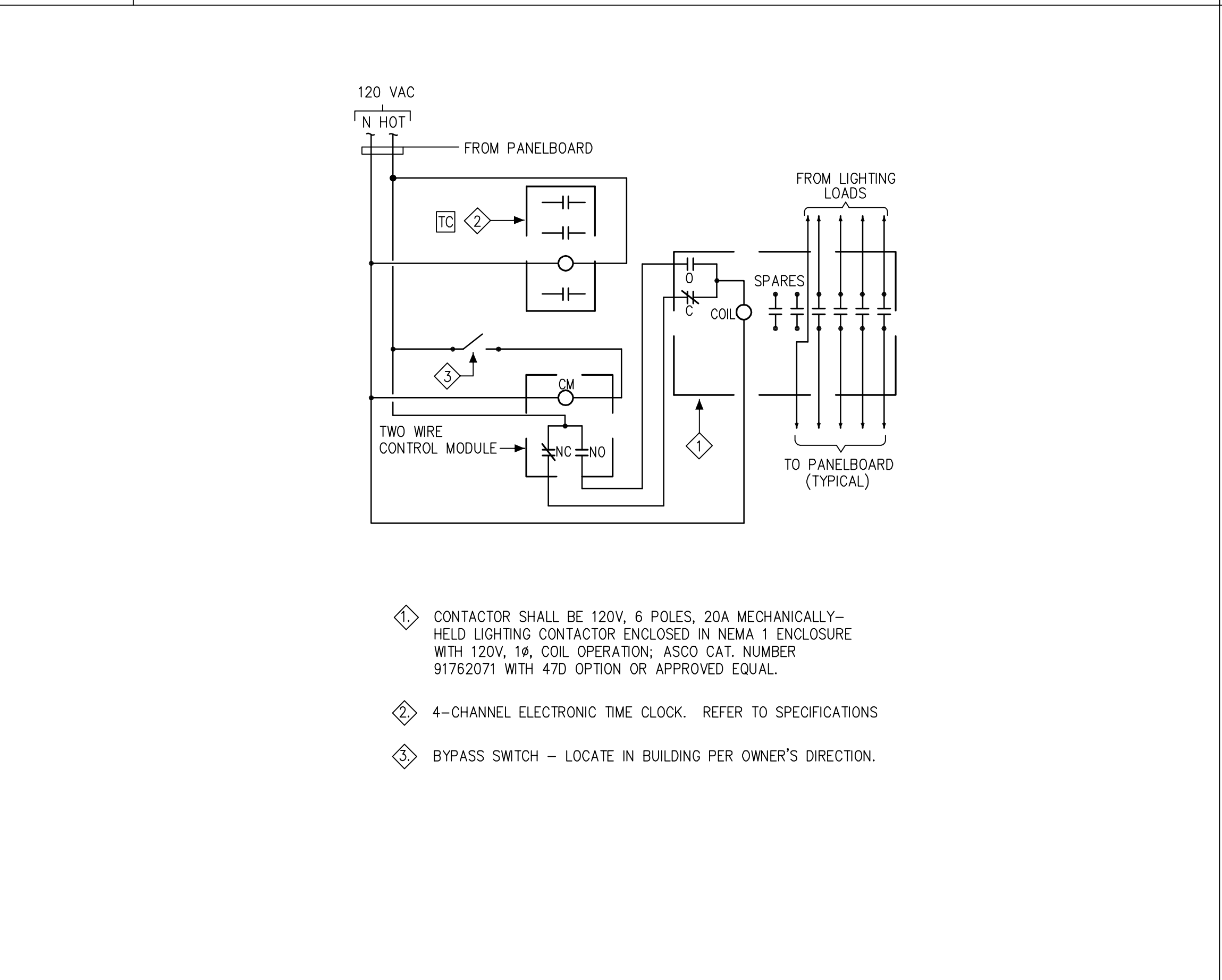
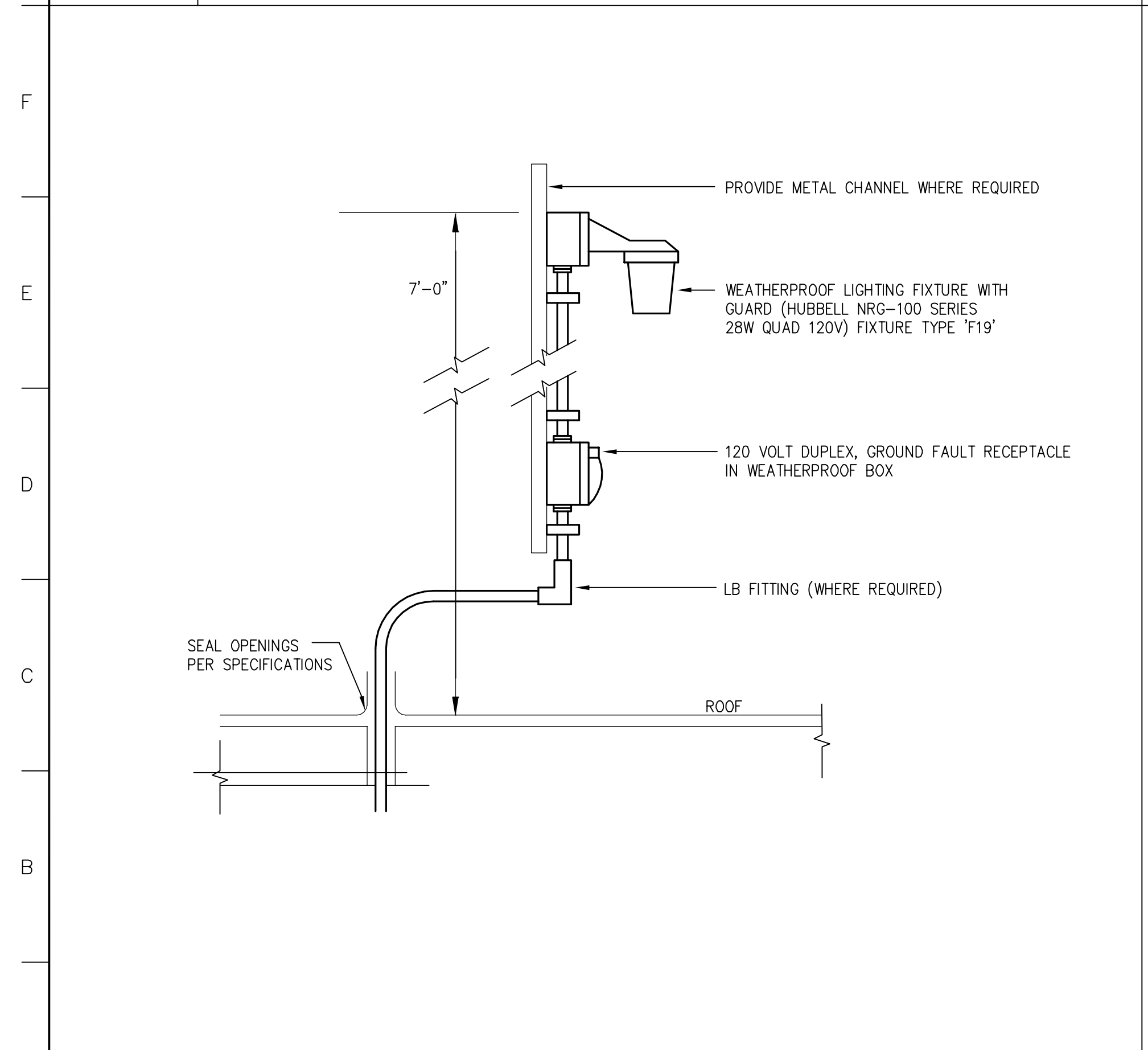
G6 NOT USED



G1 EMERGENCY LIGHTING BYPASS RELAY

G6 NOT USED

G12 CEILING PROJECTION SCREEN REQUIREMENTS

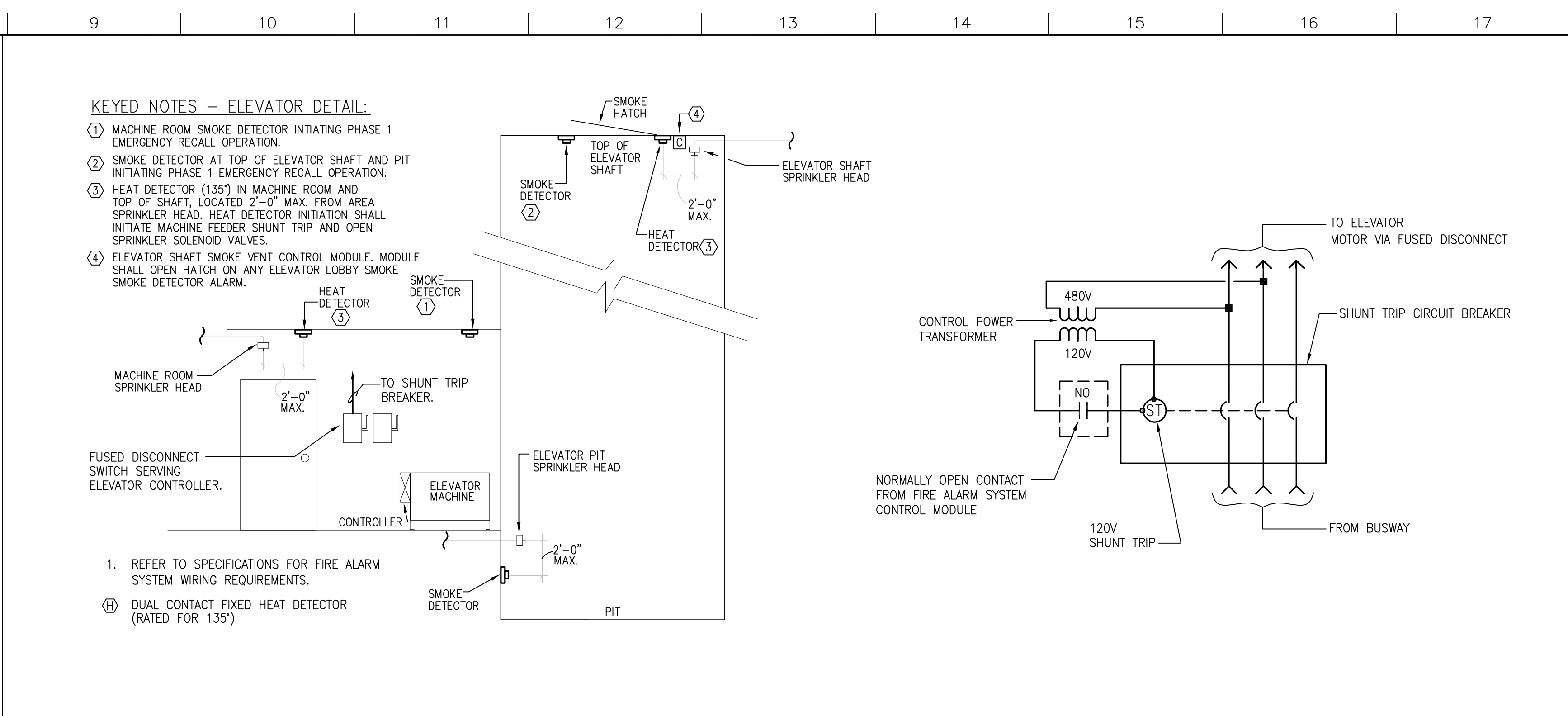
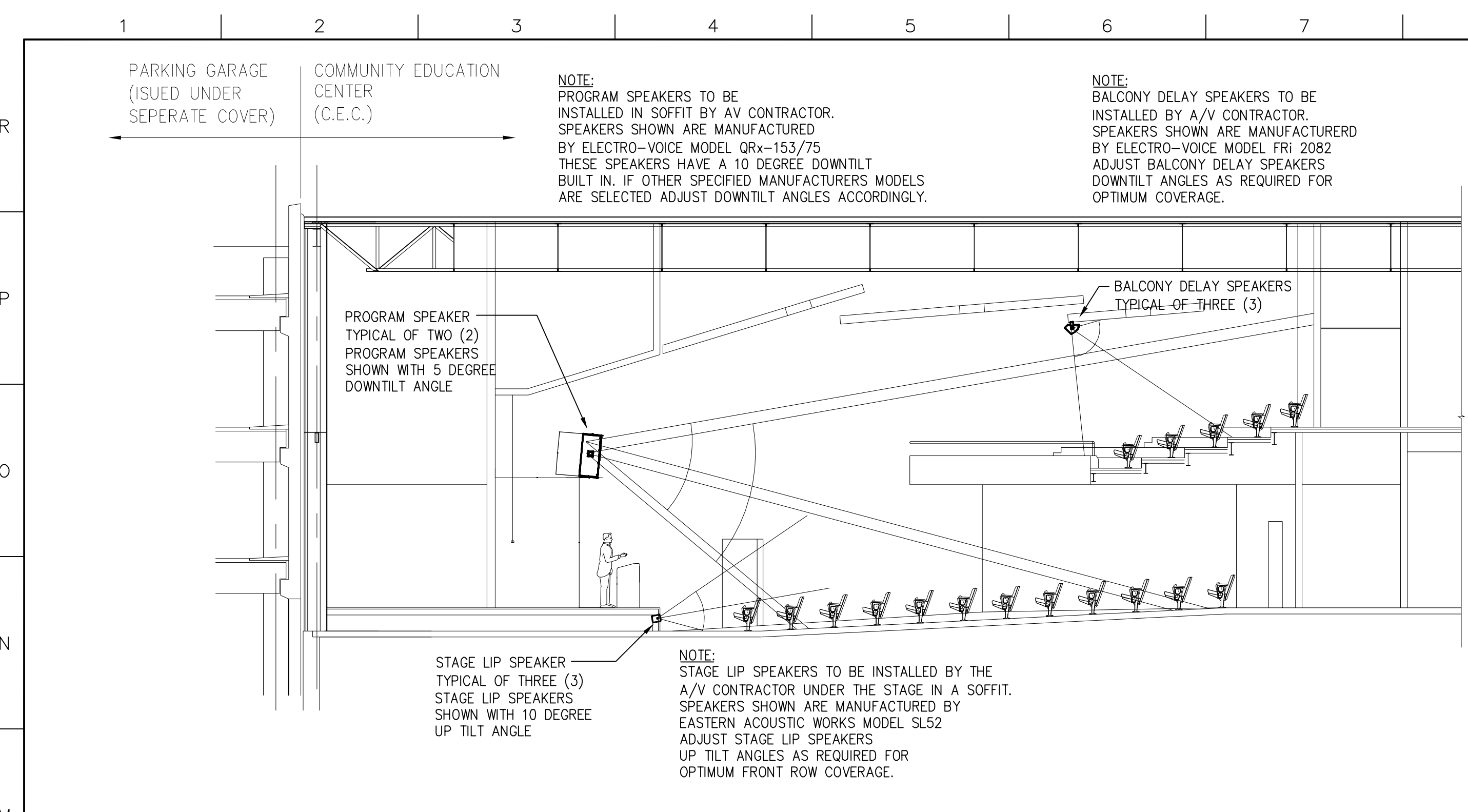


A1 ROOF TOP LIGHTING AND POWER DETAIL

A6 TYPICAL LIGHTING CONTROL DETAIL

A12 TYPICAL ISOLATED GROUND WIRING DETAIL

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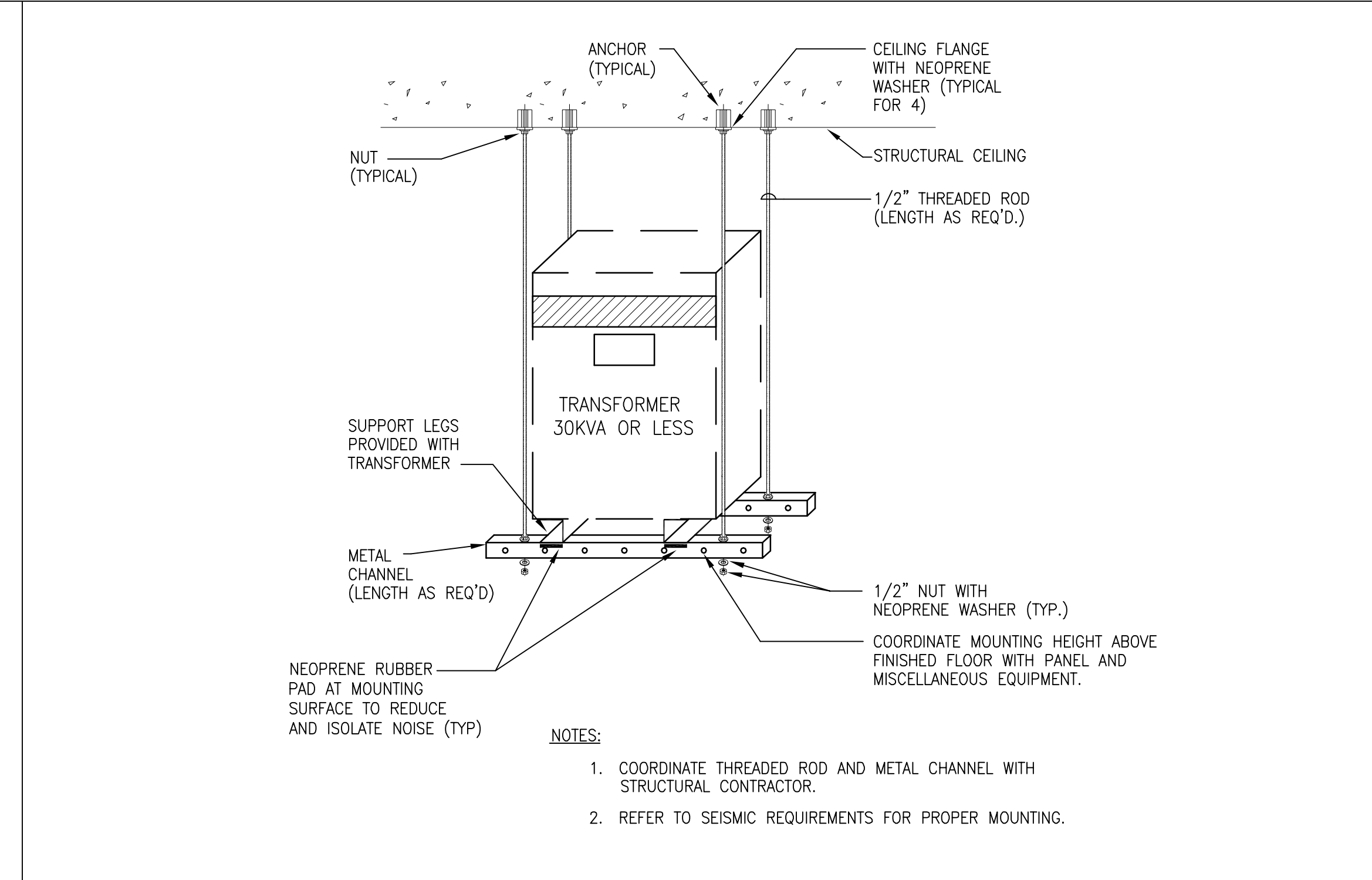
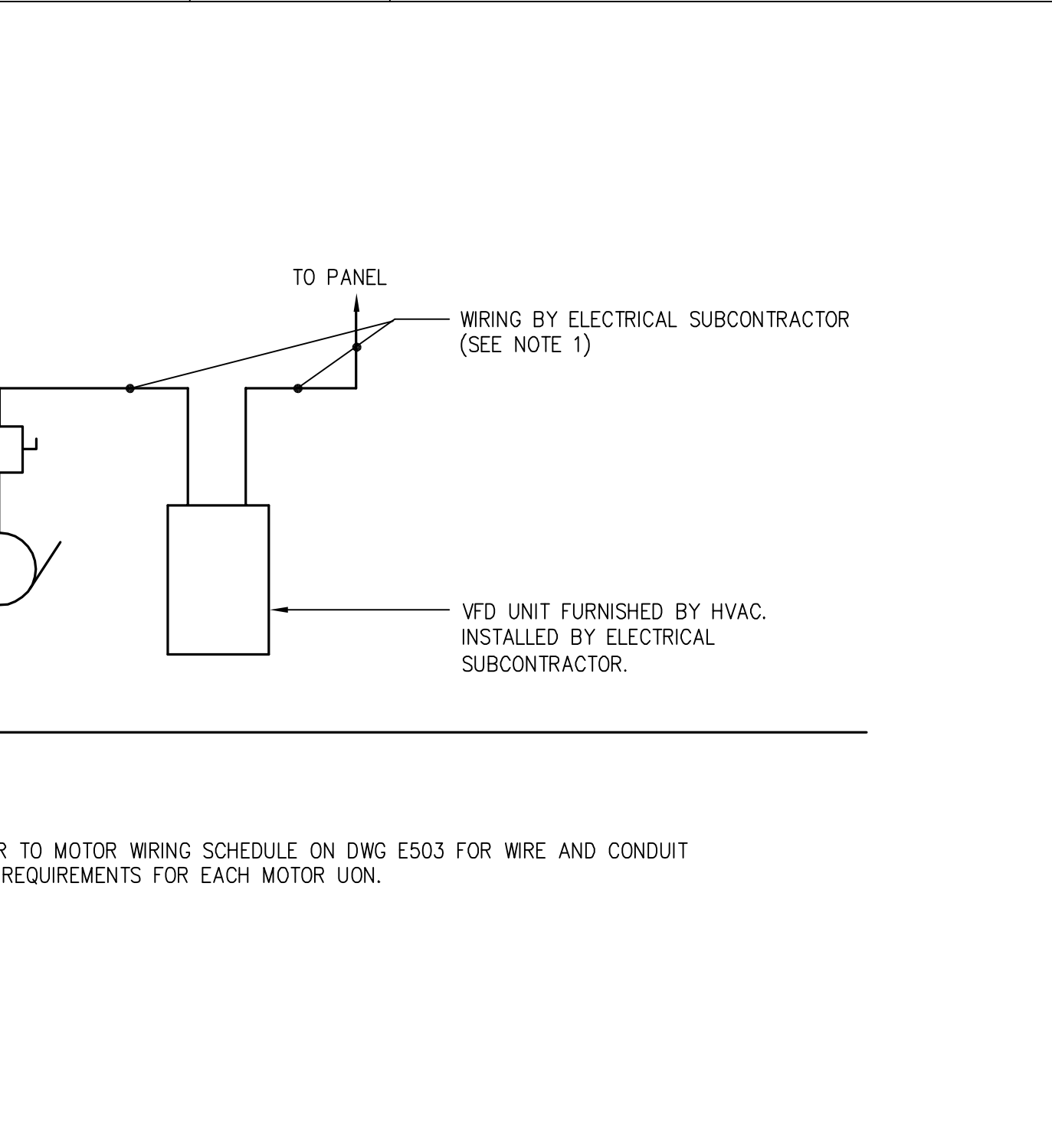
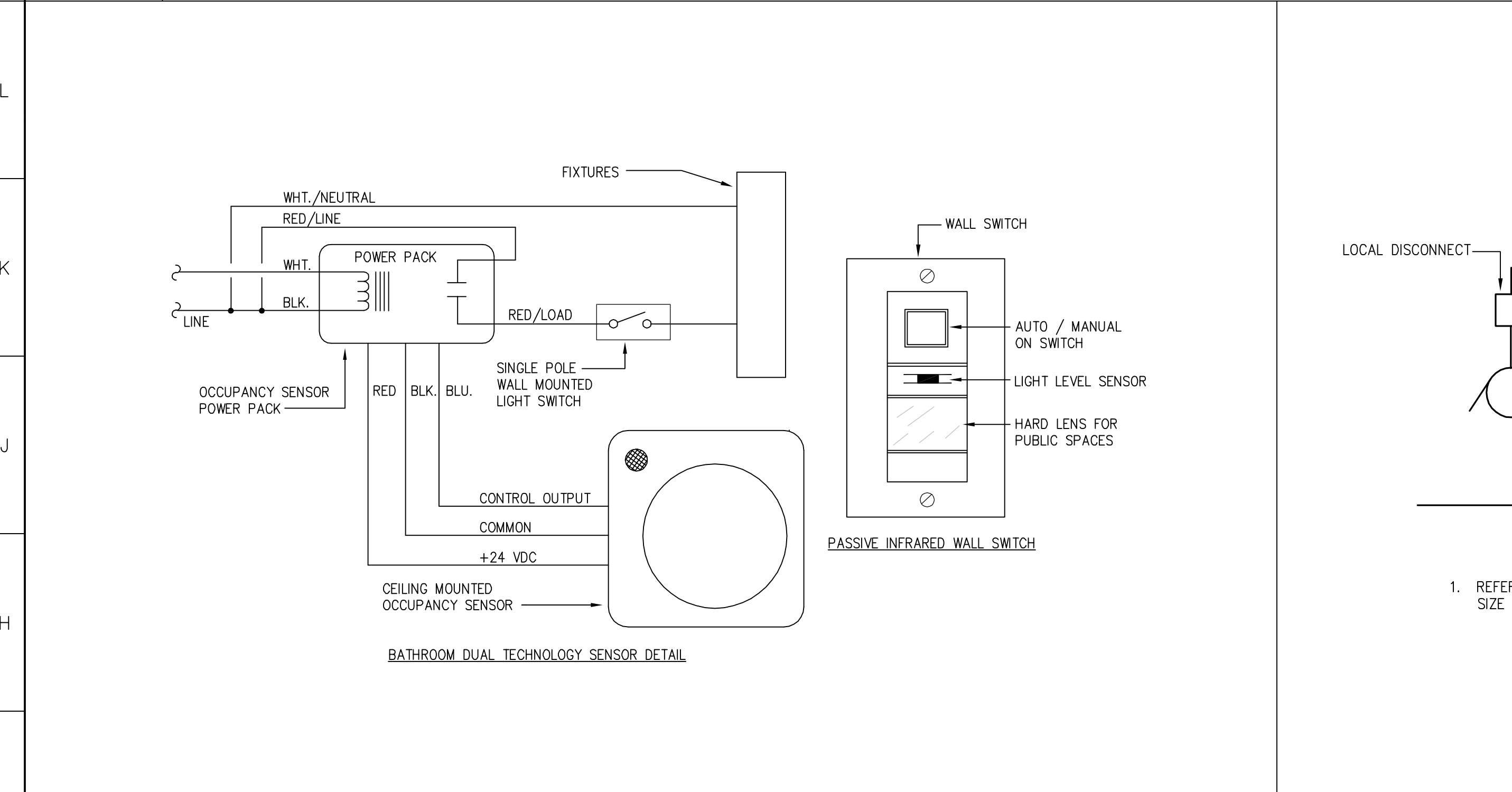


GENERAL NOTES

KEYED NOTES

M1 LECTURE HALL SOUND SYSTEM ELEVATION DETAIL

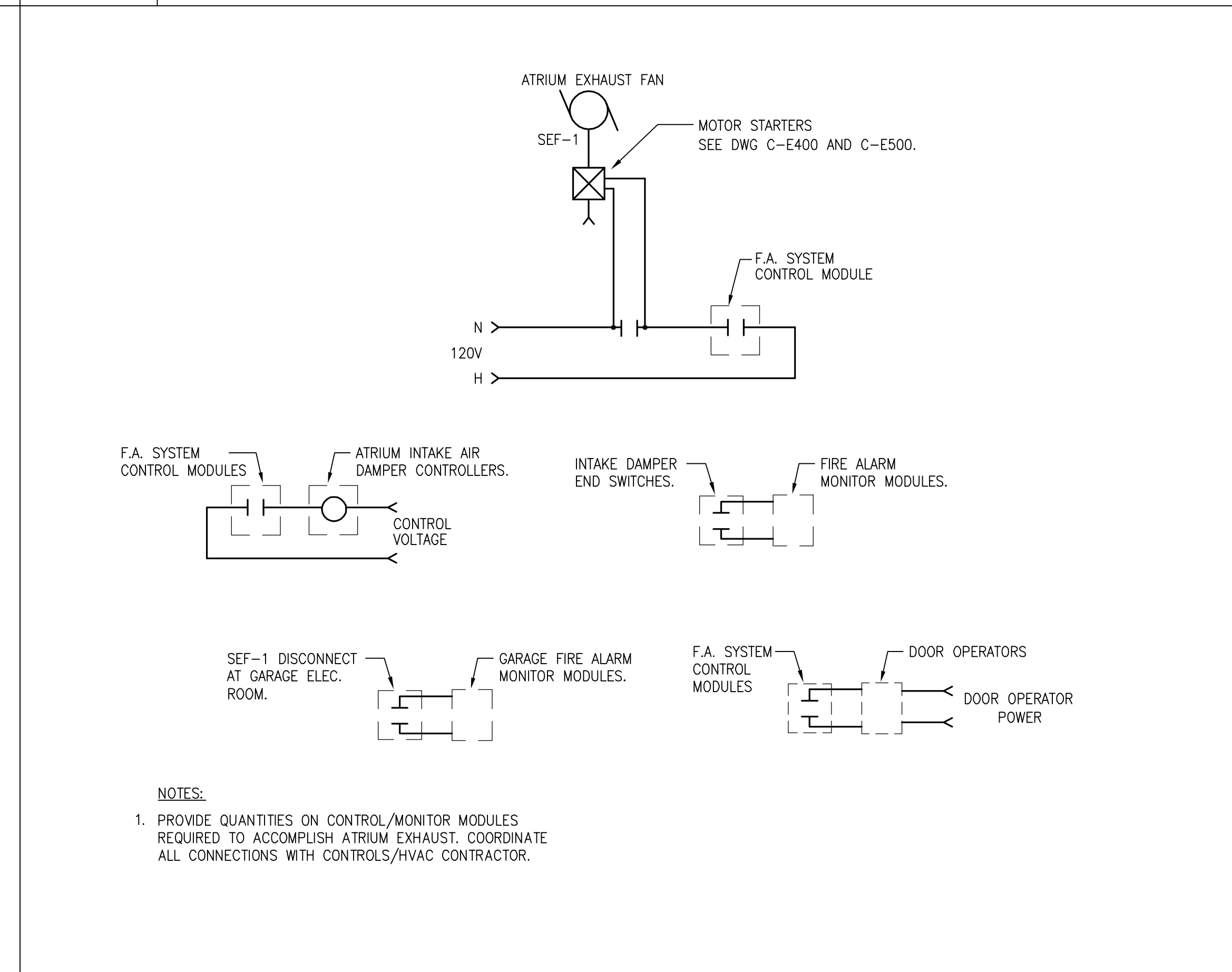
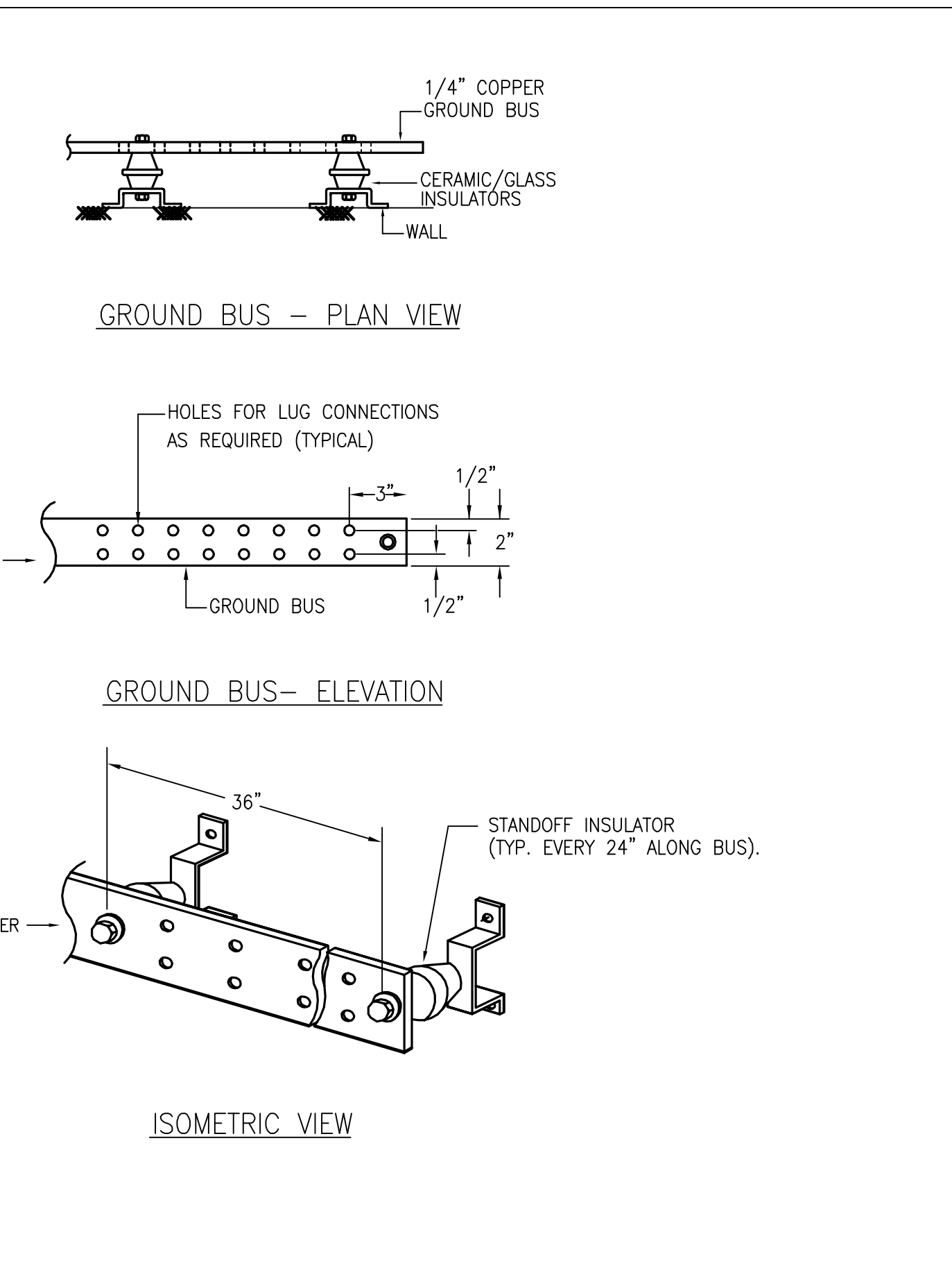
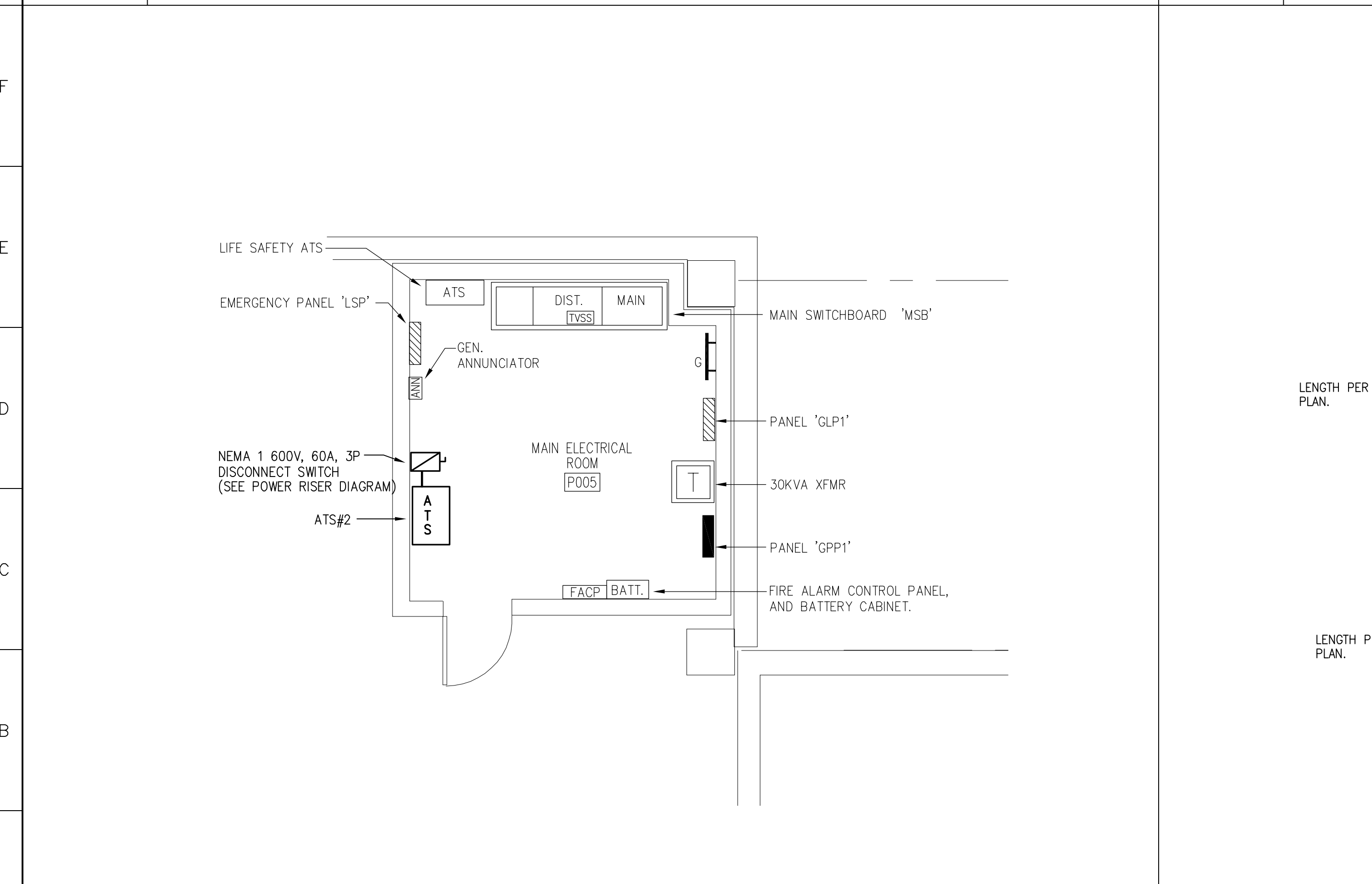
M9 ELEVATOR SHUNT TRIP WIRING DETAIL



G1 OCCUPANCY SENSORS DETAILS

G7 TYPICAL VFD WIRING SCHEMATIC DETAIL

G12 TRAPEZE MOUNTED TRANSFORMER DETAIL



A1 GARAGE MAIN ELECTRICAL ROOM PART PLAN

A7 TYPICAL GROUND BUS BAR DETAIL

A12 SMOKE CONTROL FANS CONTROL WIRING

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	MFR	
	date	1/19/2004
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K7 BREAKOUT ROOM #216 POWER PLAN
1/4"=1'-0"

K13 CONTROL ROOM #104 POWER PLAN
1/4"=1'-0"

D13 COMPUTER CLASSROOMS 218 & 219.
1/4"=1'-0"

GENERAL NOTES

1. REFER TO LEGEND, SYMBOLS, AND NOTES ON DWG C-E001 FOR ADDITIONAL INFORMATION.
2. REFER TO MECHANICAL AND PANEL BOARD SCHEDULES ON DRAWING C-E500 FOR ADDITIONAL INFORMATION.
3. THE ELECTRICAL CONTRACTOR SHALL COORDINATE EXACT LOCATIONS OF THE AUDIOVISUAL EQUIPMENT WITH THE A/V CONTRACTOR PRIOR TO INSTALLING ANY POWER CONNECTIONS.
4. REFER TO AUDIO/VISUAL SYSTEM CONDUIT RISER DIAGRAM FOR ADDITIONAL INFORMATION.
5. COORDINATE WITH ARCHITECTS PLANS, ELEVATIONS AND DETAILS FOR MOUNTING REQUIREMENTS FOR ALL DEVICES.
6. REFER TO HVAC AND PLUMBING DRAWINGS FOR EXACT LOCATION OF EQUIPMENT REQUIRING ELECTRICAL CONNECTION.
7. ELECTRICAL CONTRACTOR SHALL FIELD COORDINATE THE EXACT LOCATION OF ALL CABLE TRAY WITH THE MECHANICAL CONTRACTOR.

KEYED NOTES

- 1 LOCATION OF 'AV.JB1', REFER TO AV RISER DIAGRAM FOR EXACT SIZE OF JUNCTION BOX.
- 2 POWER AND AV CONNECTION FOR PLASMA MONITOR. COORDINATE EXACT LOCATION WITH ARCHITECTURAL PLAN AND ELEVATIONS.
- 3 ALL AV POWER SHALL BE ON THE SAME PHASE.

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