

IMAGING CENTER

COLUMBUS IMAGING ASSOCIATES

CREEKVIEW DRIVE
COLUMBUS, INDIANA

SHEET INDEX

Cover Sheet

CIVIL

- SP-1 Site Location Plan
- SP-2 Site Grading Plan
- SP-3 Landscaping Plan

ARCHITECTURAL

- A2.1 First Floor Plans
- A2.2 First Floor Dimension Plans
- A2.3 Second Floor Plan
- A2.4 Roof Plan
- A2.5 Enlarged Toilet Room & Curtainwall Plans
- A3.1 Exterior Elevations
- A4.1 Wall Sections
- A4.2 Wall Sections
- A5.1 Interior Elevations
- A6.1 Reflected Ceiling Plan
- A7.1 Stair Sections & Details
- A8.1 Opening Schedule
- A8.2 Door & Window Elevations
- A9.1 Room Finish Schedule

STRUCTURAL

- S1.1 Foundation Plans
- S1.2 Slab Plan
- S2.1 Footing & Foundation Details
- S3.1 Roof & Floor Framing Plans
- S4.1 Framing Elevations
- S5.1 Column Schedule & Details
- S6.1 Steel Sections
- S7.1 Canopy Framing & Details

HVAC

- H1.1 First Floor HVAC Plan
- H2.1 Second Floor HVAC Plan
- H3.1 HVAC Roof Plan

PLUMBING

- P1.1 Plumbing Legend, Notes & Schedules
- P2.1 Site Plumbing Plan
- P2.2 Sanitary Storm Plan
- P2.3 Sanitary Riser
- P2.4 Potable Water Plan
- P2.5 Potable Riser

ELECTRICAL

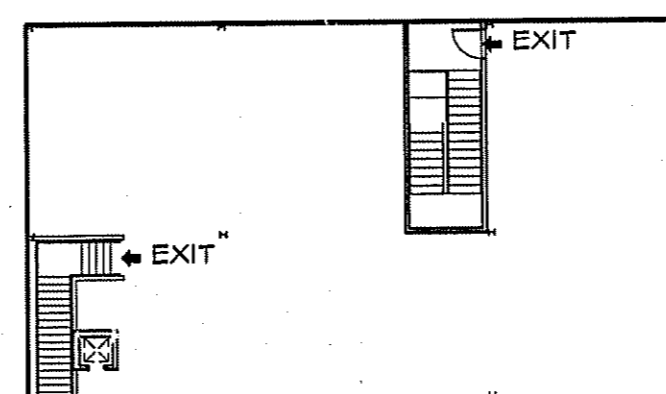
- E1.1 Electrical Notes & Symbol Schedule
- E1.2 Electrical Site Plan
- E2.1 First Floor Lighting Plan
- E2.2 Second Floor Lighting Plan
- E3.1 First Floor Power Plan
- E3.2 Enlarged Power Plans
- E3.3 Enlarged Power Plans
- E3.4 Second Floor Power Plan
- E3.5 Roof Power Plan
- E4.1 Panel Details

Professional Consultants, Inc.
engineering | architecture
construction management

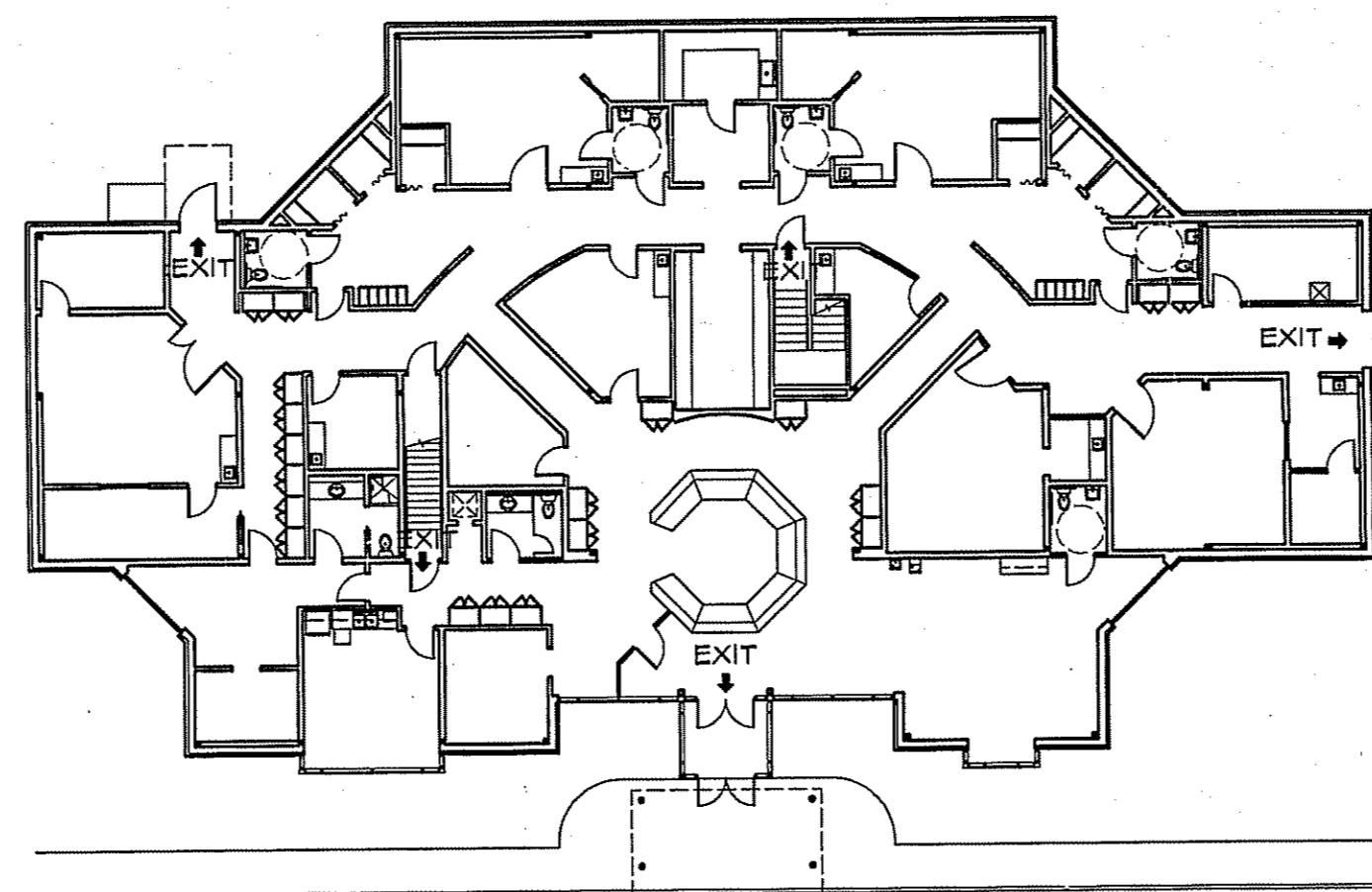
112 Ingle Street



Evansville, Indiana



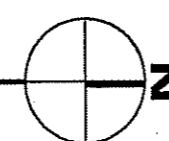
SECOND FLOOR



FIRST FLOOR

FIRE & LIFE SAFETY PLAN

SCALE: 1" = 20'-0"



CODE REVIEW DATA

THIS PROJECT HAS BEEN DESIGNED BASED UPON THE LATEST EDITION OF THE FOLLOWING BUILDING CODES AND STANDARDS

INDIANA BUILDING CODE (IBC)
GENERAL ADMINISTRATIVE RULES (GAR)
AMERICANS WITH DISABILITIES ACT (ADA)
INDIANA PLUMBING CODE (IPC)
INDIANA MECHANICAL CODE (IMC)
INDIANA ELECTRICAL CODE (IEC)
INDIANA FIRE CODE (IFC)
INDIANA ACCESSIBILITY CODE (IAC)
INDIANA ENERGY CONSERVATION CODE (IECC)

OCCUPANCY CLASSIFICATION: B2

CONSTRUCTION CLASSIFICATION: TYPE II-N

EXTERIOR NON-BEARING WALL	NON-RATED
STRUCTURAL FRAME	NON-RATED
ROOF/CEILING	NON-RATED
PARTITIONS	NON-RATED
SHAFT ENCLOSURES	1 HR.
BUILDING ELEMENTS MATERIALS	NON-COMBUSTIBLE

TOTAL ENCLOSED BUILDING AREA

FIRST FLOOR	8,869 S.F.
SECOND FLOOR	2,630 S.F.
TOTAL	11,299 S.F.

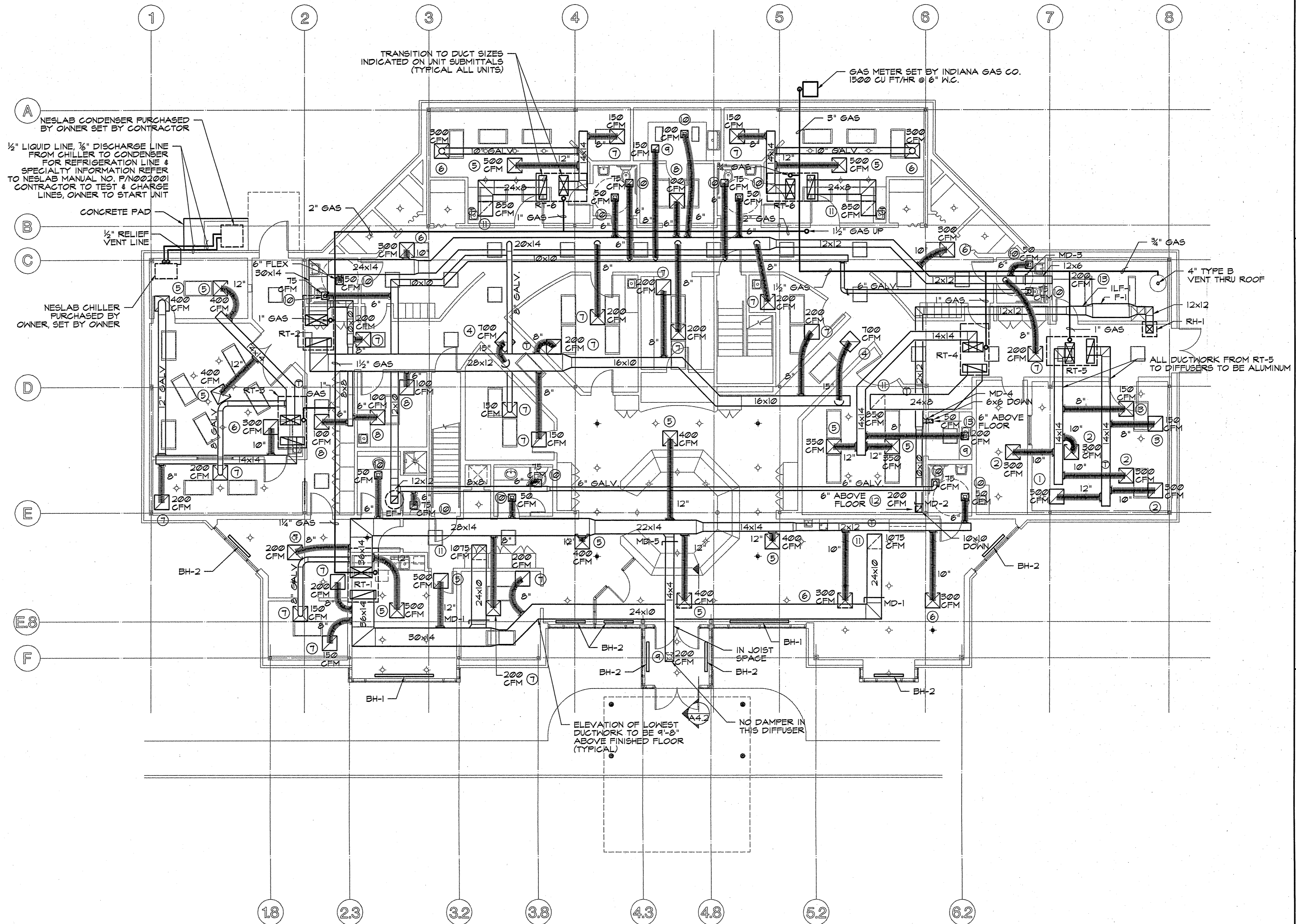
PI	ISSUED FOR CONTRACTOR REVIEW	12/20/96	NOT FOR CONSTRUCTION
0	ISSUED FOR STATE REVIEW	01/10/97	
1	ISSUED FOR STATE REVIEW	02/25/97	
2	ISSUED FOR STATE ADDENDUM	03/21/97	

EQUIPMENT SCHEDULE

NO.	NO. REQ'D	DESCRIPTION
RT-1	1	TRANE NO. YCD120C PACKAGE GAS FIRED ROOF TOP UNIT WITH CURB, 0-25% OUTSIDE AIR DAMPER, PROGRAMMABLE THERMOSTAT 10 TONS COOLING 225 MBH 2 STAGE HEAT 3600 CFM @ 1.0" E.S.P. 400-3φ
RT-2	1	TRANE NO. YCD040D DUAL COMPRESSOR PACKAGE GAS FIRED ROOF TOP UNIT WITH CURB, 0-25% OUTSIDE AIR DAMPER, PROGRAMMABLE THERMOSTAT 7.5 TONS COOLING 205 MBH 2 STAGE HEAT 2550 CFM @ 1.0" E.S.P. 400-3φ
RT-3	1	TRANE NO. YCD036C PACKAGE GAS FIRED ROOF TOP UNIT WITH CURB, 0-25% OUTSIDE AIR DAMPER, PROGRAMMABLE THERMOSTAT 3 TONS COOLING 120 MBH HEAT 1000 CFM @ 0.5" E.S.P. 400-3φ
RT-4	1	TRANE NO. YCD036C PACKAGE GAS FIRED ROOF TOP UNIT WITH CURB, 0-25% OUTSIDE AIR DAMPER, PROGRAMMABLE THERMOSTAT 3 TONS COOLING 120 MBH HEAT 900 CFM @ 0.5" E.S.P. 400-3φ
RT-5	1	TRANE NO. YCD036C PACKAGE GAS FIRED ROOF TOP UNIT WITH CURB, 0-25% OUTSIDE AIR DAMPER, PROGRAMMABLE THERMOSTAT 3 TONS COOLING 120 MBH HEAT 1050 CFM @ 0.5" E.S.P. 400-3φ
RT-6	2	TRANE NO. YCD036C PACKAGE GAS FIRED ROOF TOP UNIT WITH CURB, 0-25% OUTSIDE AIR DAMPER, PROGRAMMABLE THERMOSTAT 3 TONS COOLING 120 MBH HEAT 950 CFM @ 0.5" E.S.P. 400-3φ
RT-7	1	TRANE NO. YCD120C PACKAGE GAS FIRED ROOF TOP UNIT WITH CURB, 0-25% OUTSIDE AIR DAMPER, PROGRAMMABLE THERMOSTAT 10 TONS COOLING 205 MBH 2 STAGE HEAT 4000 CFM @ 0.75" E.S.P. 400-3φ
EF-1	1	JENN FAN NO. JEB 12 BELT DRIVEN CENTRIFUGAL ROOF EXHAUSTER WITH CURB, BIRDCAP, DISCONNECT SWITCH 675 CFM @ 0.75" E.S.P. 1/2" HP @ 120V
ILF-1	1	JENN FAN NO. JIB 06 BELT DRIVEN CENTRIFUGAL INLINE FAN WITH BACKDRAFT DAMPER, MOUNTING BRACKETS, DISCONNECT SWITCH 525 CFM @ 0.6" E.S.P. 250 CFM @ 1.0" E.S.P. 1/2" HP @ 120V
F-1	1	FLANDERS NO. BF-1 FILTER HOUSING WITH 6" RIGID-PACK 95% ASHRAE EFFICIENCY PREFILTER, 12" HIGH CAPACITY 99.97% DOP EFFICIENCY HEPA FILTER, 11" DEEP SEPARATORLESS MEDIA PACK, 12" DEEP 99.9% EFFICIENCY NUCLEAR GRADE CARBON ADSORBER AND 0-2" W.G. MAGNETIC AIR FILTER GAGE
BH-1	2	MARKEL NO. 0121 7" HIGH x 8" LONG WALL MOUNTED ELECTRIC FIN TUBE CONVECTOR WITH END CAPS, INTEGRAL THERMOSTAT & DISCONNECT, CLEAR ANODIZED FINISH 4 KW @ 200-1φ
BH-2	7	MARKEL NO. 0121 7" HIGH x 4" LONG WALL MOUNTED ELECTRIC FIN TUBE CONVECTOR WITH END CAPS, INTEGRAL THERMOSTAT & DISCONNECT, CLEAR ANODIZED FINISH 2 KW @ 200-1φ
RH-1	1	JENN FAN NO. RV6 200 RELIEF HOOD WITH 12"x12" NECK AND CURB
MD-1	2	CESCO NO. MDS 24"x10" VOLUME CONTROL DAMPER
MD-2	1	CESCO NO. MDS 10"x10" VOLUME CONTROL DAMPER
MD-3	1	CESCO NO. MDS 12"x6" VOLUME CONTROL DAMPER
MD-4	1	CESCO NO. MDS 6"x6" VOLUME CONTROL DAMPER
MD-5	1	CESCO NO. MDS 14"x4" VOLUME CONTROL DAMPER

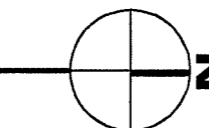
DIFFUSER SCHEDULE

NO.	DESCRIPTION	NO.	DESCRIPTION
1	ANEMOSTAT NO. EPL 24"x24" ALUMINUM LAY IN DIFFUSER WITH 12" φ NECK & VOLUME CONTROL DAMPER	8	ANEMOSTAT NO. EPL 24"x24" STEEL LAY IN DIFFUSER WITH 6" φ NECK & VOLUME CONTROL DAMPER
2	ANEMOSTAT NO. EPL 24"x24" ALUMINUM LAY IN DIFFUSER WITH 10" φ NECK & VOLUME CONTROL DAMPER	9	ANEMOSTAT NO. E-1 13.25"x13.25" STEEL SURFACE DIFFUSER WITH 6" φ NECK & VOLUME CONTROL DAMPER
3	ANEMOSTAT NO. EPL 24"x24" ALUMINUM LAY IN DIFFUSER WITH 8" φ NECK & VOLUME CONTROL DAMPER	10	ANEMOSTAT NO. E-1 13.25"x13.25" STEEL SURFACE DIFFUSER WITH 6" φ NECK & VOLUME CONTROL DAMPER
4	ANEMOSTAT NO. EPL 24"x24" STEEL LAY IN DIFFUSER WITH 15" φ NECK & VOLUME CONTROL DAMPER	11	ANEMOSTAT NO. GC5L 24"x24" LAY IN RETURN GRILLE
5	ANEMOSTAT NO. EPL 24"x24" STEEL LAY IN DIFFUSER WITH 12" φ NECK & VOLUME CONTROL DAMPER	12	ANEMOSTAT NO. S2HO 8"W x 16"H RETURN GRILLE
6	ANEMOSTAT NO. EPL 24"x24" STEEL LAY IN DIFFUSER WITH 10" φ NECK & VOLUME CONTROL DAMPER	13	ANEMOSTAT NO. S3HD 5"W x 6"H RETURN GRILLE
7	ANEMOSTAT NO. EPL 24"x24" STEEL LAY IN DIFFUSER WITH 8" φ NECK & VOLUME CONTROL DAMPER	14	ANEMOSTAT NO. S2HO 14"W x 12"H SUPPLY REGISTER



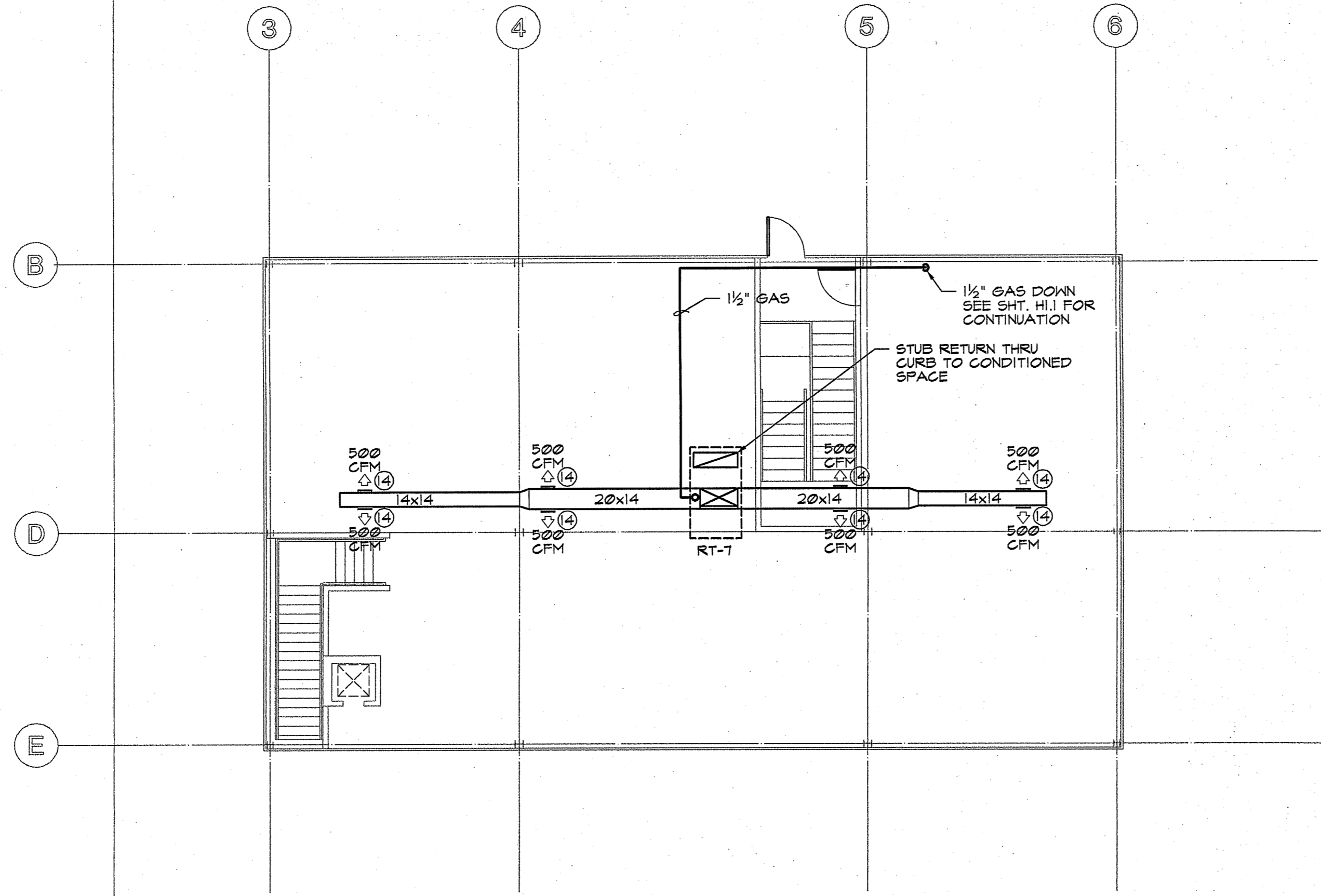
FIRST FLOOR HVAC PLAN

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



ISSUED FOR APPENDUM	ISSUED FOR STATE REVIEW	ISSUE	APPD	DESCRIPTION	DATE
1	0	0			5/21/97 2/25/97

PROJ. NO.	4369-96
DWG. NO.	36446211
DATE	1/17/97
SHEET NO.	



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

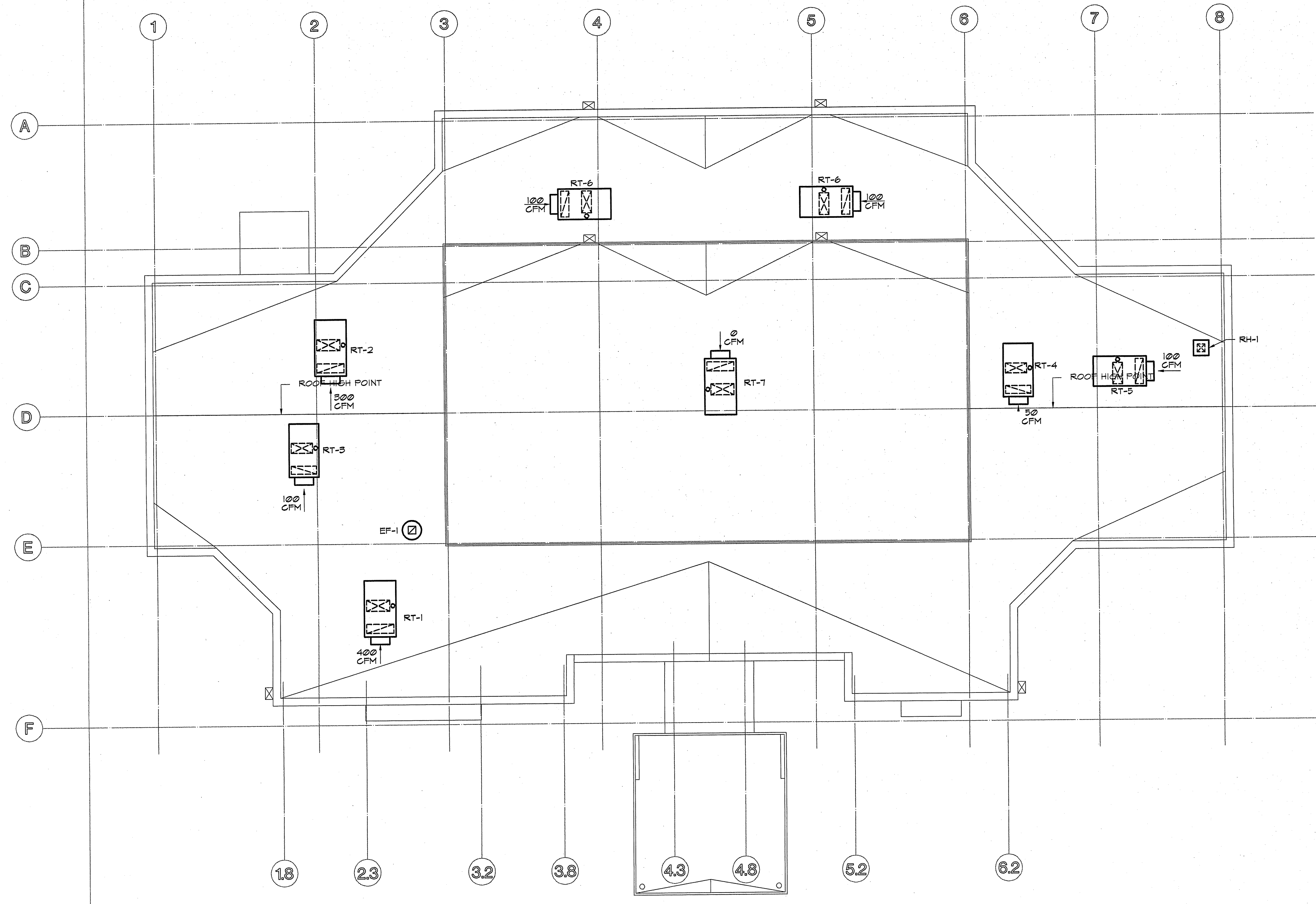
ISSUE	APPD	ISSUED FOR APPENDIX	DESCRIPTION	DATE
1				3/21/97

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PROJ. NO.	4369-96
DWG. NO.	36996221
DATE	3/11/97

SHEET NO.
H2.1

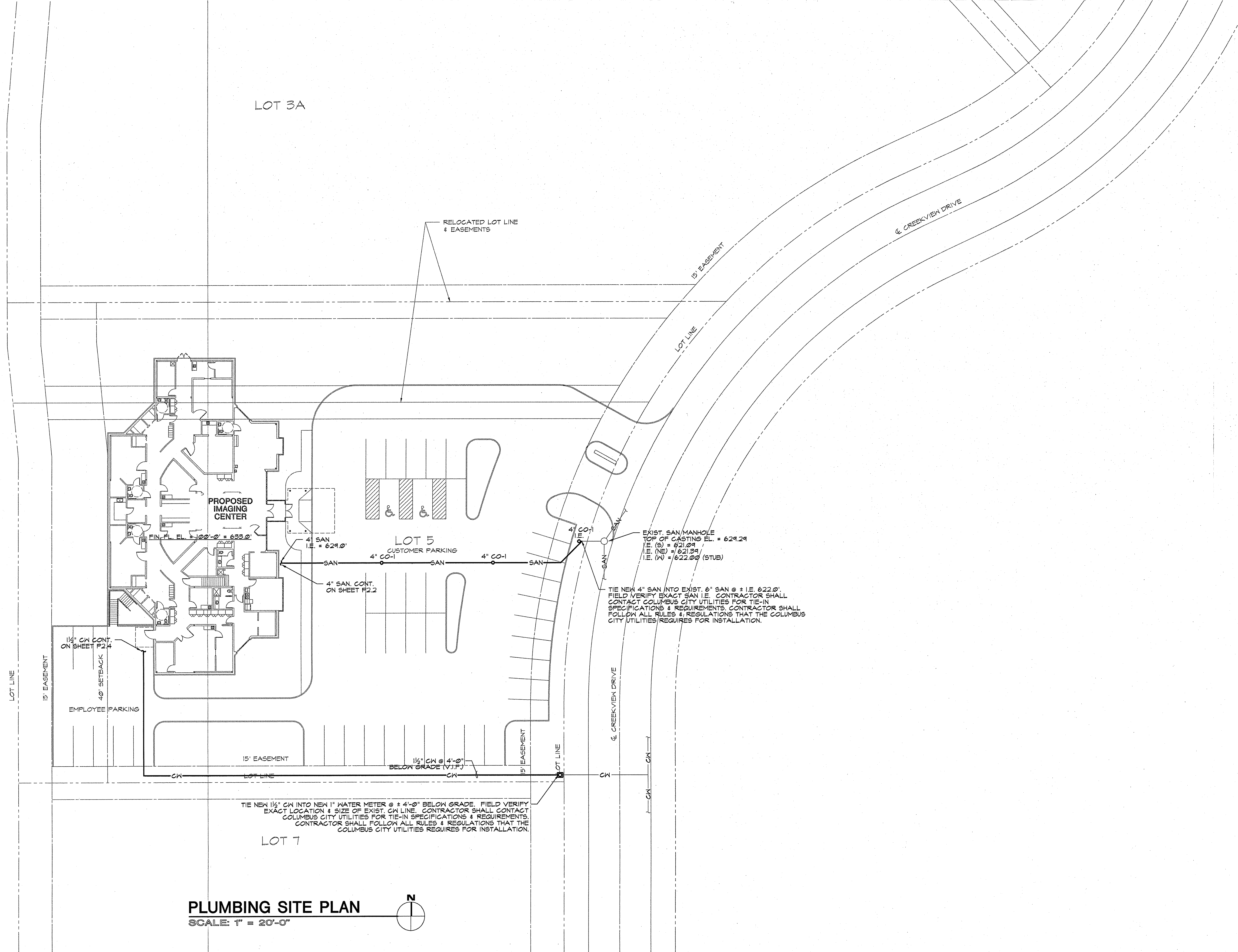


HVAC ROOF PLAN
 SCALE: 1/8" = 1'-0"

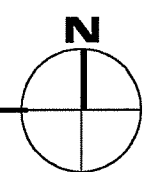
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 CREEKVIEW DRIVE
 COLUMBUS, INDIANA

PROJ. NO. 4364-96
 DWG. NO. 36996231
 DATE 1/21/97
 SHEET NO. **H3.1**

ISSUE	APPD	DESCRIPTION	DATE
1		ISSUED FOR ADDENDUM	5/21/97
0		ISSUED FOR STATE REVIEW	2/25/97



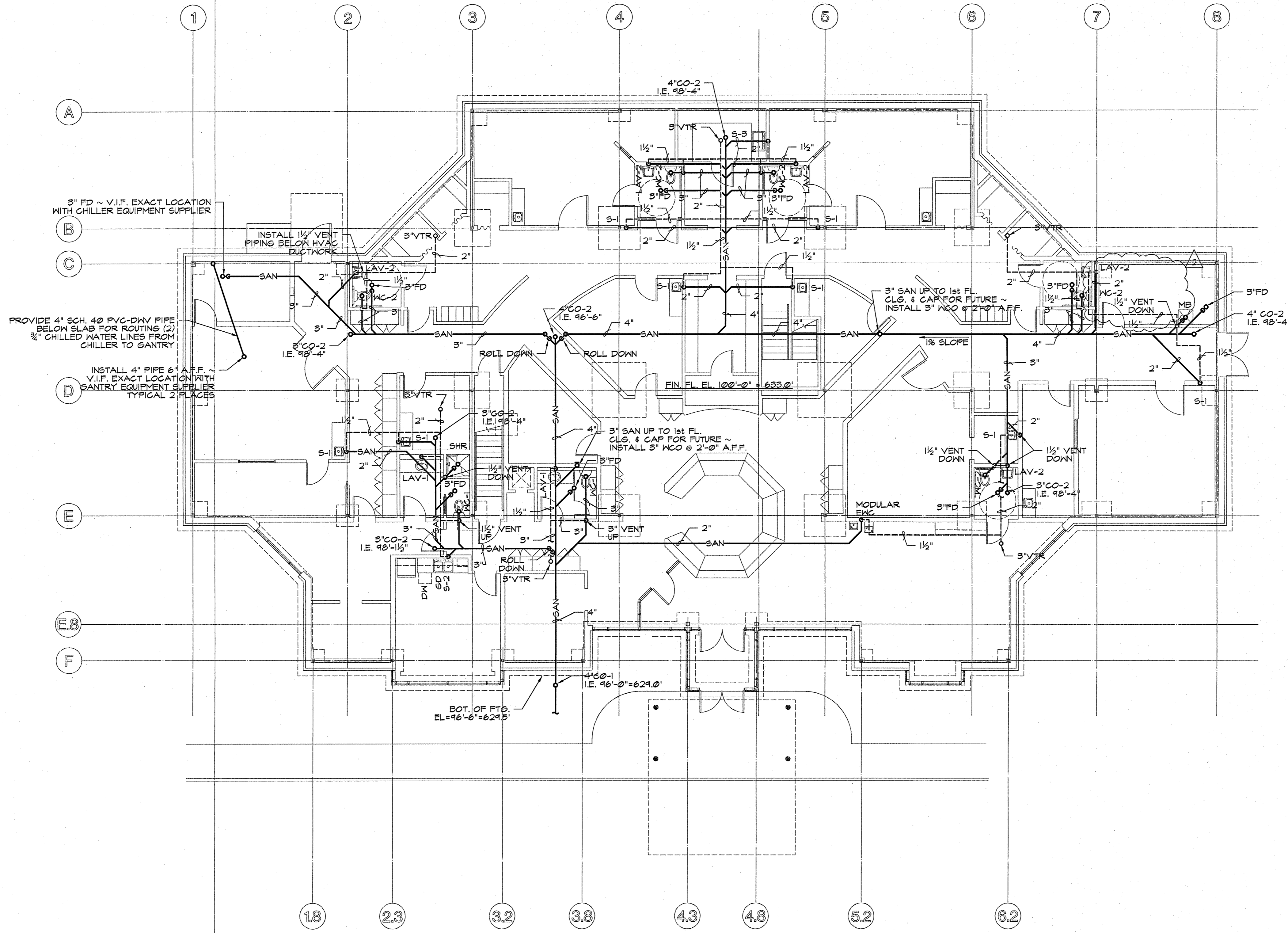
PLUMBING SITE PLAN
 SCALE: 1" = 20'-0"



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PROJ. NO.	4369-96
DWG. NO.	36996321
DATE	12/30/96
SHEET NO.	P2.1

ISSUE	APPD	DESCRIPTION	DATE
0		ISSUED FOR STATE REVIEW	2/25/97
1		ISSUED FOR APPEAL	5/21/97



3" FD ~ V.I.F. EXACT LOCATION WITH CHILLER EQUIPMENT SUPPLIER

INSTALL 1/2" VENT PIPING BELOW HVAC DUCTWORK

PROVIDE 4" SCH. 40 PVC-DWV PIPE BELOW SLAB FOR ROUTING (2) 3/4" CHILLED WATER LINES FROM CHILLER TO GANTRY

INSTALL 4" PIPE 6" A.F.F. ~ V.I.F. EXACT LOCATION WITH GANTRY EQUIPMENT SUPPLIER TYPICAL 2 PLACES

BOT. OF FTG. EL.=96'-6"=6245'

FIRST FLOOR SANITARY PLAN
SCALE: 1/8" = 1'-0"



NOTE

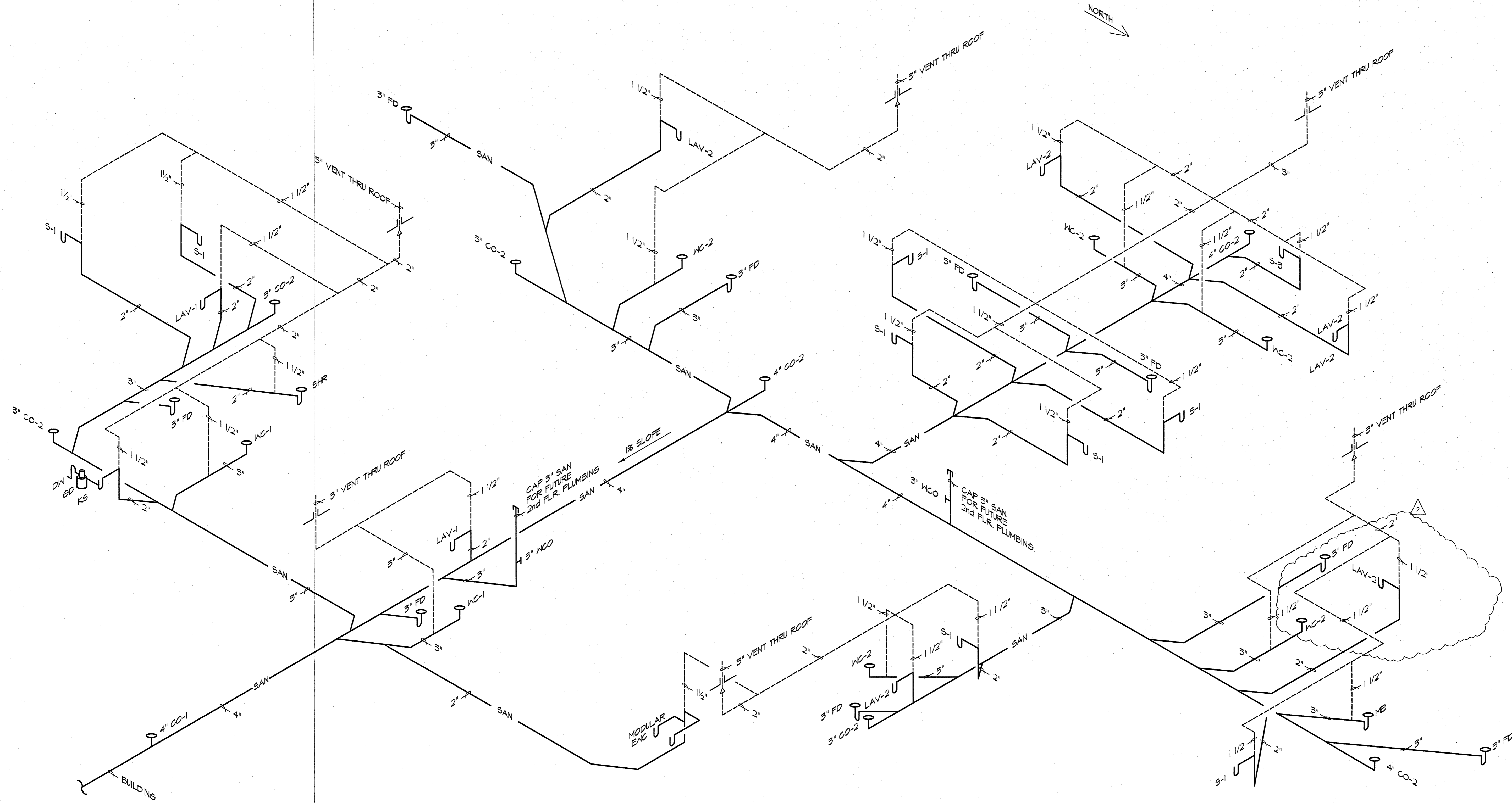
1. PLUMBING CONTRACTOR SHALL FIELD VERIFY EXACT LOCATION OF VENT THRU ROOF TO MAINTAIN MINIMUM 10'-0" CLEARANCE FROM HVAC ROOFTOP UNITS.

NO.	DATE	DESCRIPTION
2	4/1/97	REVISED VENT PIPING
1	9/21/97	ISSUED FOR APPENDUM
0	2/25/97	ISSUED FOR STATE REVIEW
		ISSUE

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PROJ. NO.	4369-96
DWG. NO.	36996322
DATE	12/11/96
SHEET NO.	

P2.2



SANITARY RISER
NO SCALE

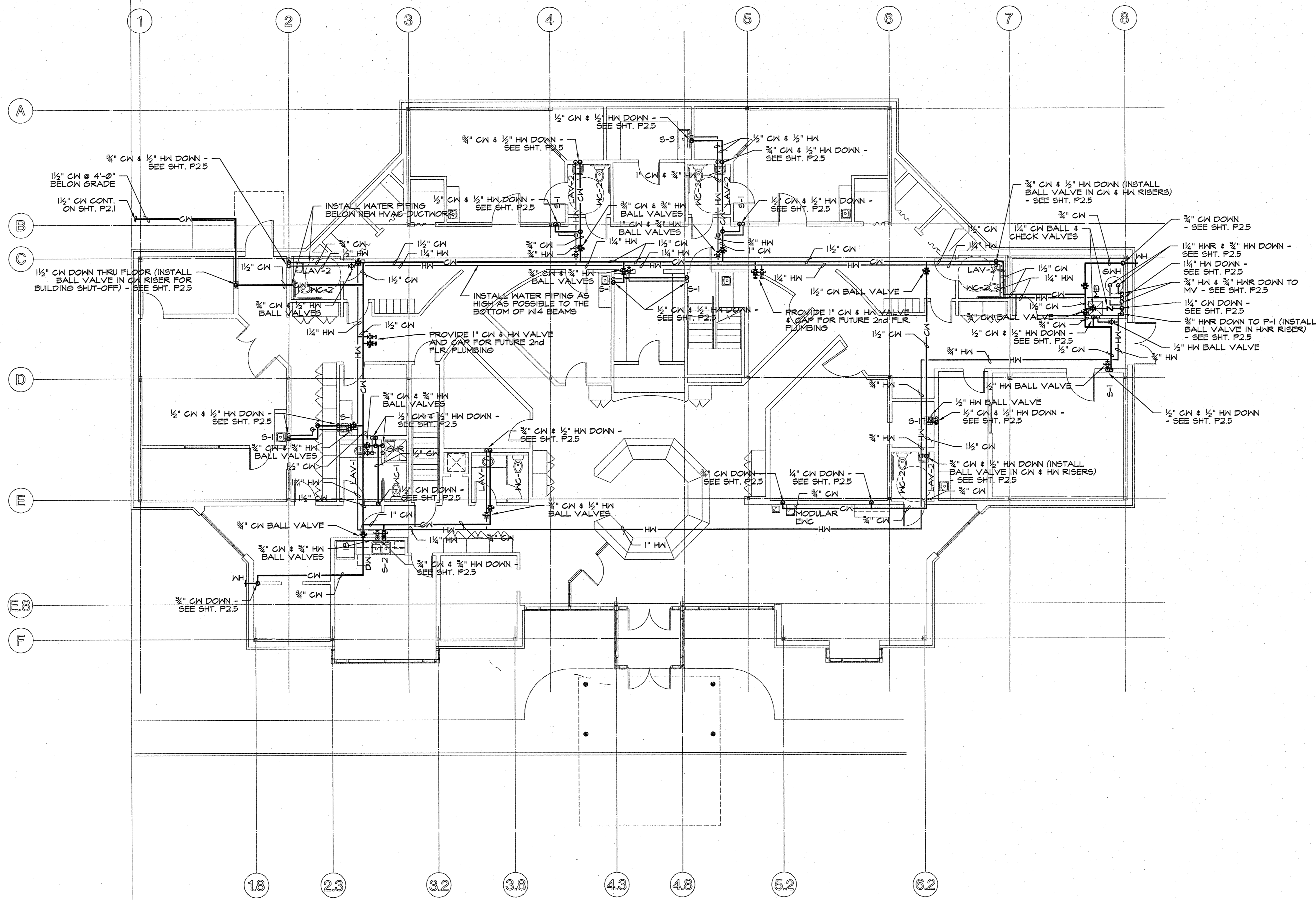
ISSUE	APPD	DESCRIPTION	DATE
2		REVISED VENT PIPING	4/1/97
1		ISSUED FOR APPENDUM	9/21/97
0		ISSUED FOR STATE REVIEW	2/29/97

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COLUMBUS, INDIANA

PROJ. NO.	4369-96
DWG. NO.	56996323
DATE	12/16/96
SHEET NO.	

P2.3



FIRST FLOOR POTABLE WATER PLAN
 SCALE: 1/8" = 1'-0"

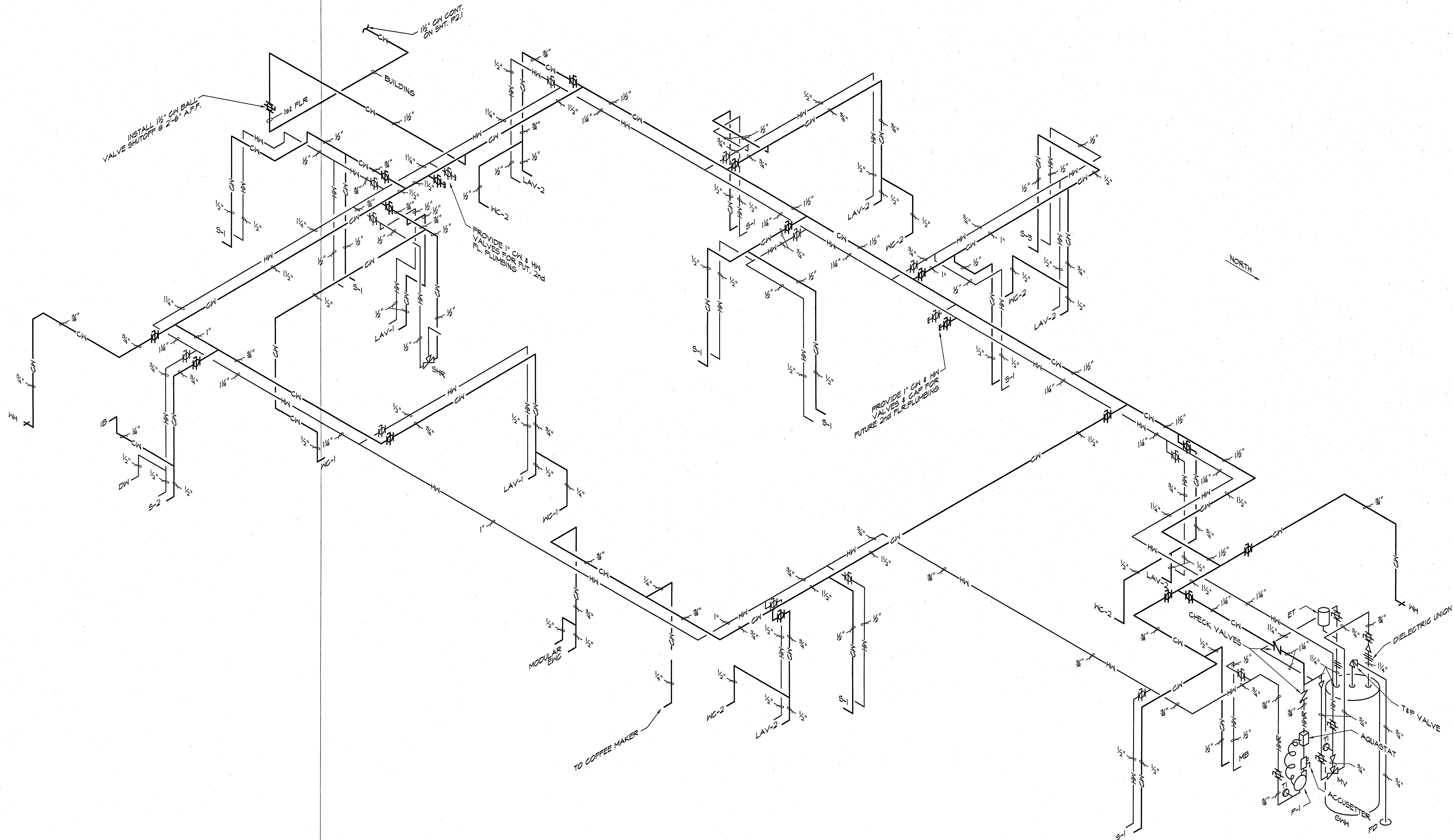
ISSUED FOR APPENDUM	DATE	DESCRIPTION
1	5/21/97	ISSUED FOR STATE REVIEW
0	2/25/97	ISSUED FOR STATE REVIEW

ISSUE	APPD	DESCRIPTION
0		

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 COLUMBUS, INDIANA

PROJ. NO.	4369-96
DWG. NO.	36996324
DATE	12/1/96
SHEET NO.	

P2.4



POTABLE WATER RISER
NO SCALE

ISSUE	APPD	DESCRIPTION	DATE
1		ISSUED FOR ADDENDUM	5/21/97
2		ISSUED FOR STATE REVIEW	2/25/97

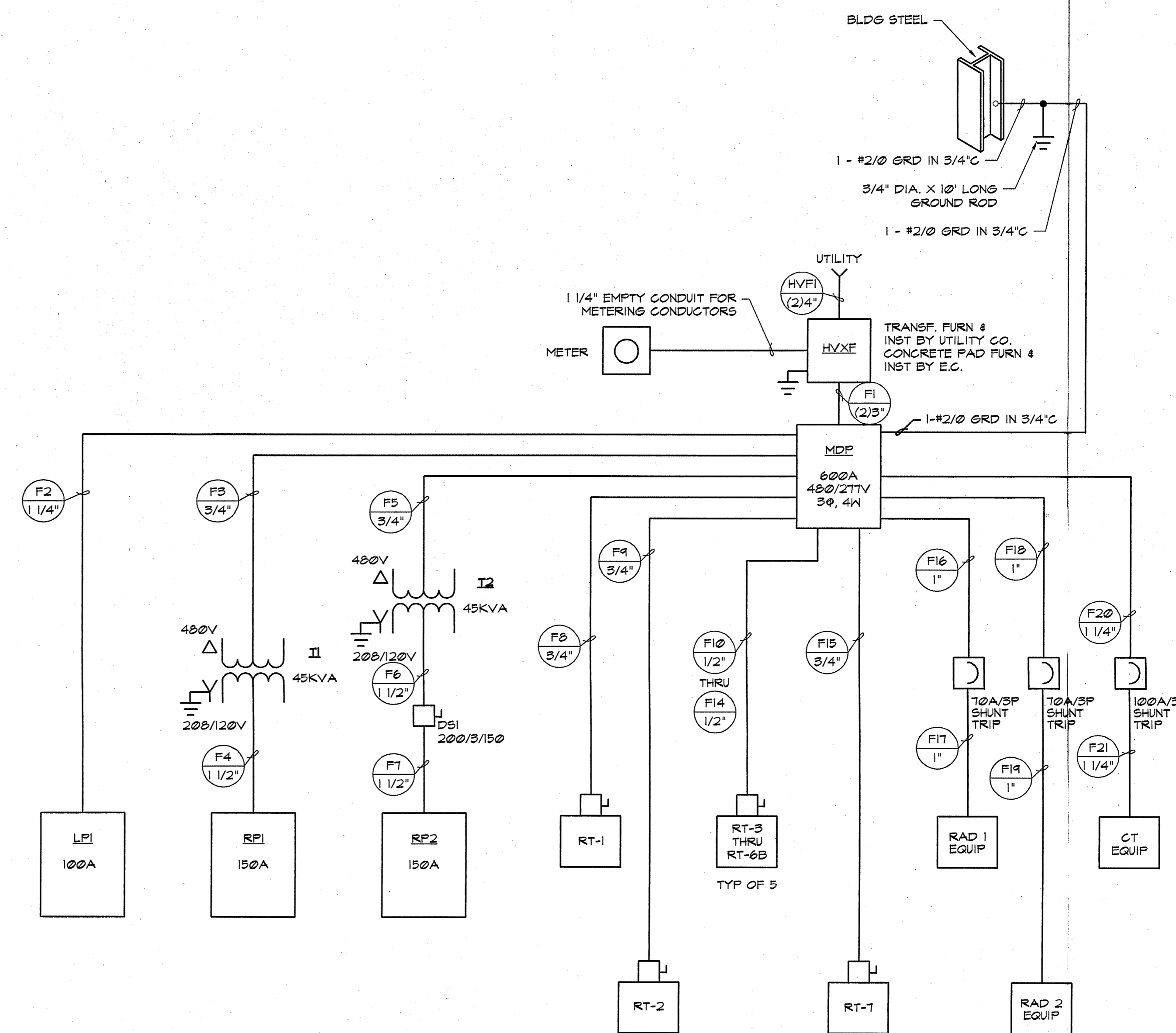
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COLUMBUS IMAGING ASSOCIATES
CREEKVIEW DRIVE
COLUMBUS, IN

PROJ. NO.	4369-96
DWG. NO.	36946325
DATE	12/13/96
SHEET NO.	

ELECTRICAL SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
FA	FLUORESCENT LIGHT FIXTURE. "FA" INDICATES TYPE (SEE LIGHT FIXTURE SCHEDULE), "3" INDICATES CIRCUIT, "a" INDICATES SWITCH CONTROL GROUP
	HID OR INCANDESCENT RECESSED DOWN LIGHT FIXTURE
	WALL MOUNTED LIGHT FIXTURE
	POLE MOUNTED HID LIGHT FIXTURE
	EMERGENCY EXIT SIGN
	EMERGENCY BATTERY PACK IN FLUORESCENT LIGHT FIXTURE "NL" INDICATES NON-SWITCHED FIXTURE USED FOR NIGHT LIGHTING
	EMERGENCY TWIN HEAD LIGHT UNIT
	REMOTE EMERGENCY HEAD LIGHT
	SINGLE POLE TOGGLE TYPE SWITCH. "a" INDICATES FIXTURE CONTROL GROUP
	THREE-WAY TOGGLE TYPE SWITCH
	FOUR-WAY TOGGLE TYPE SWITCH
	DIMMER SWITCH - 600 WATT UNLESS NOTED OTHERWISE
	PHOTOCELL
	DUPLEX RECEPTACLE
	GROUND FAULT INTERRUPTING DUPLEX RECEPTACLE, "WF" INDICATES WEATHERPROOF COVERPLATE
	ELECTRIC WATER COOLER. REFER TO MANF. REQUIREMENTS FOR ROUGH-IN LOCATION
	DATA/COMM OUTLET
	COMMUNICATION OUTLET, VOICE ONLY.
	JUNCTION BOX
	DISCONNECT SAFETY SWITCH. SIZE AND TYPE AS NOTED ON DRAWINGS
	MOTOR. SIZE AND RATINGS AS NOTED ON DRAWINGS
	THERMOSTAT
	DUCT SMOKE DETECTOR - INSTALL IN SUPPLY AND RETURN DUCTS TO SHUT UNIT DOWN WHEN ACTIVATED.
	DUCT SMOKE DETECTOR REMOTE INDICATION & RESET STATIONS
	NURSE CALL EMERGENCY STATION
	NURSE CALL LIGHT
	PANELBOARD
	CONCEALED CONDUIT IN WALL OR ABOVE CEILING
	UNDERGROUND OR UNDER FLOOR SLAB CONDUIT
	HOMERUN TO PANELBOARD, PANEL LPI, CIRCUITS 1 AND 3. CROSSBARS INDICATE NUMBER OF CONDUCTORS, / INDICATES PHASE CONDUCTOR, / INDICATES NEUTRAL CONDUCTOR, / INDICATES GROUND CONDUCTOR. MINIMUM 2-1/2" #12 & 1-1/2" #12 GRD IN 1/2" C
	CONDUIT DESCRIPTION - F2 INDICATES FEEDER NUMBER PER FEEDER SCHEDULE; 2" INDICATES CONDUIT SIZE PER SAME SCHEDULE
AFF	ABOVE FINISHED FLOOR
BFG	BELOW FINISHED GRADE TO TOP OF CONDUIT

ELECTRICAL NOTES	
1.	ELECTRICAL CONTRACTOR SHALL FURNISH ALL LABOR, MATERIAL, TOOLS, AND EQUIPMENT TO INSTALL ALL ELECTRICAL SYSTEMS AS INDICATED ON DRAWINGS.
2.	ELECTRICAL DRAWINGS ARE GENERALLY DIAGRAMMATIC AND ARE INTENDED TO CONVEY THE SCOPE OF WORK AND INDICATE GENERAL ARRANGEMENT OF EQUIPMENT. INSTALL EQUIPMENT AND MATERIAL FOR MAINTENANCE ACCESSIBILITY PURPOSES AND KEEPING IN STRICT COMPLIANCE WITH NEC "WORKING SPACE" AND "CLEARANCE" STIPULATIONS.
3.	ELECTRICAL CONTRACTOR SHALL CAREFULLY EXAMINE ALL ARCHITECTURAL, STRUCTURAL, PLUMBING, AND MECHANICAL DRAWINGS PERTAINING TO THE CONSTRUCTION BEFORE INSTALLING THE WORK. CONTRACTOR SHALL COOPERATE WITH ALL OTHER CONTRACTORS IN LOCATING ELECTRICAL DEVICES, EQUIPMENT, AND SYSTEMS IN ORDER TO AVOID CONFLICT WITH OTHER CONTRACTOR'S WORK.
4.	ALL WORK SHALL BE DONE IN ACCORDANCE WITH ALL STATE, COUNTY, AND CITY BUILDING REGULATIONS AND CODES. ALL WORK SHALL CONFORM TO THE FOLLOWING REGULATIONS, CODES, AND STANDARDS: OSHA, NFPA, NEMA, U.L., NEC, IEC, ADA, AND LOCAL COMPLIANCE.
5.	MANUFACTURERS SPECIFIED ARE TO ESTABLISH STANDARD QUALITY REQUIRED FOR THIS PROJECT. OTHER MANUFACTURERS WILL BE CONSIDERED FOR APPROVAL. ELECTRICAL CONTRACTOR SHALL SUBMIT TEN COPIES OF SHOP DRAWINGS OF ALL ITEMS SPECIFIED, PRIOR TO PURCHASE, TO THE DESIGN ENGINEER.
6.	GROUNDING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 250 OF THE NEC. THE GROUND RESISTANCE SHALL BE MEASURED AND A WRITTEN STATEMENT SUBMITTED TO THE DESIGN ENGINEER AND OWNER. GROUND RESISTANCE SHALL BE 5 OHMS OR LESS.
7.	ALL ELECTRICAL EQUIPMENT SHALL BE UL LISTED.
8.	ALL SUSPENDED CEILING MOUNTED LIGHT FIXTURES SHALL BE SUPPORTED FROM THE BUILDING STRUCTURE. HANGERS FOR CEILING RECESSED LIGHT FIXTURES SHALL BE #12 IRON WIRE AT ONE SET OF OPPOSITE CORNERS, EACH CORNER WITH AT LEAST TWO FULL TWISTS AT EACH END TIED TO THE STRUCTURE ABOVE.
9.	ELECTRICAL CONTRACTOR SHALL PROVIDE POWER AND CONTROL WIRING, INCLUDING, BUT NOT LIMITED TO BOXES, CONDUIT, WIRE, AND CONNECTIONS TO ALL UNITS OF MECHANICAL, PLUMBING, AND ARCHITECTURAL EQUIPMENT AS NECESSARY. ELECTRICAL CONTRACTOR SHALL PROVIDE ALL DISCONNECTS, EXCEPT WHERE NOTED OTHERWISE.
10.	CONTROL EQUIPMENT THAT IS FURNISHED BY OTHER CONTRACTORS SHALL BE INSTALLED BY THE ELECTRICAL CONTRACTOR. CONTROL POWER TO CONTROL EQUIPMENT SHALL BE FURNISHED BY THE ELECTRICAL CONTRACTOR. TRANSFORMERS TO FURNISH CONTROL VOLTAGE SHALL BE EXPECTED TO BE FURNISHED AS A PART OF THE CONTROL EQUIPMENT.
11.	ELECTRICAL INTERLOCKING OF MECHANICAL EQUIPMENT SHALL BE BY THE ELECTRICAL CONTRACTOR AS SHOWN ON THE ELECTRICAL DRAWINGS.
12.	MINIMUM CONDUIT SIZE SHALL BE 1/2" AND MINIMUM CONDUCTOR SIZE SHALL BE #12 AWG FOR POWER WIRING AND #14 AWG FOR CONTROL WIRING. WIRING SHALL BE STRANDED COPPER, RATED AT 90°C, 600 VOLT THHN/THWN TYPE (SIZE LESS THAN #6) AND XHHW TYPE (SIZE #6 AND LARGER).
13.	ALL CONDUIT SHALL BE INSTALLED PARALLEL AND PERPENDICULAR TO BUILDING STRUCTURAL MEMBERS.
14.	ALL CONDUITS UNDER FLOOR SLAB TO RUN AS SHALLOW AS POSSIBLE WITHOUT BEING IN SLAB.
15.	ELECTRICAL CONTRACTOR SHALL KEEP ACCURATE RECORDS OF ALL UNDERGROUND AND CONCEALED ELECTRICAL LINES WHICH DEVIATE FROM THE DESIGN DRAWINGS. AT COMPLETION OF PROJECT, ELECTRICAL CONTRACTOR SHALL TURN OVER TO OWNER A RED-LINE MARKED SET OF "AS BUILT" DRAWINGS.
16.	PROVIDE FULL STRINGS IN ALL EMPTY CONDUITS.
17.	CONDUIT USED UNDERGROUND AND UNDER FLOOR SLAB SHALL BE SCHEDULE 40 PVC WITH RIGID 40'S. INDOOR CONDUIT SHALL BE EMT EXPOSED FLEXIBLE CONDUIT FROM DISCONNECTS TO MECHANICAL EQUIPMENT SHALL BE SEALTITE. OUTDOOR EXPOSED CONDUIT SHALL BE RIGID GALVANIZED STEEL. DRY TYPE TRANSFORMERS SHALL HAVE A MINIMUM OF 24" OF SEALTITE ON THE PRIMARY AND SECONDARY SIDE OF THE TRANSFORMER.
18.	PROVIDE PROPER SIZED SLEEVES AND EXACT LOCATIONS OF CONDUIT RUNS THROUGH WALLS (BLOCK AND FOUNDATION) TO THE GENERAL CONTRACTOR FOR HIS PLACEMENT IN WALLS. ALL HOLES THRU WALLS AND CEILING EXPOSED TO FINISHED AREA SHALL HAVE ESCUTCHEONS FOR CONDUITS. SEAL ALL SLEEVES WITH ETHAFOAM BACK-UP ROD AND SILICON SEALANT AND USE 3M MCP 25, 2 HOUR FIRE RATED CAULKING FOR PENETRATIONS THRU FIRE WALLS AND FLOORS.
19.	ELECTRICAL CONTRACTOR SHALL REFER TO ARCHITECTURAL PLANS, ELEVATIONS, AND SECTIONS, WHERE APPLICABLE, FOR ACTUAL MOUNTING HEIGHTS AND LOCATION OF ELECTRICAL EQUIPMENT.
20.	DEVICES AT DIFFERENT ELEVATIONS SHALL BE ALIGNED VERTICALLY AND DEVICES AT SAME ELEVATION SHALL BE UNDER ONE COVERPLATE, IF APPLICABLE.
21.	ELEVATIONS FOR DEVICES SHALL BE AS FOLLOWS, UNLESS NOTED OTHERWISE, ABOVE FINISHED FLOOR TO BOTTOM - SWITCHES: +40", RECEPTACLES: +16", THERMOSTAT: +54", DATA: +16", TELEPHONE: +16".
22.	PANELBOARDS SHALL BE AS DETAILED ON DRAWINGS. CIRCUIT BREAKERS SHALL BE 20 AMP SINGLE POLE, UNLESS NOTED OTHERWISE. PANELS SHALL HAVE SOLID NEUTRAL BUS AND GROUND BAR KIT.
23.	SWITCHES SHALL BE 20 AMP, 120/277 VOLT, GRAY W/STAINLESS STEEL COVERPLATE AS MANUFACTURED BY HUBBELL. SINGLE POLE - #1221GRY, THREE WAY - #1223GRY, FOUR WAY - #1224GRY. DIMMERS SHALL BE ROTARY SINGLE POLE, 120 VOLT, BEIGE AS MANUFACTURED BY HUBBELL. 600 WATT - #AR61, 1000 WATT - #AR101
24.	RECEPTACLES SHALL BE 20 AMP, 125 VOLT, NEMA 5-20R (UNLESS NOTED OTHERWISE), GRAY W/STAINLESS STEEL COVERPLATE AS MANUFACTURED BY HUBBELL. DUPLEX - #5362GRY, GROUND FAULT - #GF5362GY (WEATHERPROOF COVERPLATE - #WF26).
25.	DATA/COMM OUTLETS ARE RACEWAY ONLY IN THE WALL. PROVIDE A 4" SQUARE x 2 1/2" DEEP BOX WITH SINGLE DEVICE PLASTER RING ROUGHED-IN AND 3/4" CONDUIT STUBBED UP AND TURNED OUT ABOVE ACCESSIBLE CEILING WITH BUSHED END. CABLING WILL BE FURNISHED AND INSTALLED BY OWNER.
26.	ELECTRICAL CONTRACTOR SHALL FURNISH AND INSTALL IN ALL UNITS W/GREATER THAN 2000 CFM AIR FLOW DUCT SMOKE DETECTORS WITH REMOTE INDICATION AND RESET STATIONS. DETECTORS TO BE INSTALLED IN THE MAIN RETURN AIR DUCT AHEAD OF THE OUTSIDE AIR INLET AND ALSO IN THE SUPPLY DUCT, DOWNSTREAM OF THE FILTERS. ACTIVATION OF ANY DETECTOR SHALL CAUSE THE AIR-MOVING EQUIPMENT IN THE RESPECTIVE UNIT TO AUTOMATICALLY SHUT DOWN. COORDINATE INSTALLATION WITH THE MECHANICAL CONTRACTOR. REMOTE INDICATION STATION SHALL HAVE RED ALARM LED, GREEN POWER ON LED, AND PIEZO SOUNDER. REMOTE STATIONS SHALL BE MOUNTED AT +60" ABOVE FINISHED FLOOR TO BOTTOM. DEVICES SHALL BE AS MANUFACTURED BY NOTIFIER. DETECTOR - #2451, HOUSING - #DH400ACDC, SAMPLING TUBE - #ST-X (X = LENGTH AS REQ'D), REMOTE INDICATOR - #APA-451, REMOTE TEST - #RT5451.
27.	ELECTRICAL CONTRACTOR SHALL PROVIDE A 2000 WATT, 120 VOLT, SPST, MANUALLY ADJUSTABLE LEVEL SLIDE, PHOTOCONTROL (PARAGON #GW201-00) WIRED TO CONTROL, THRU CONTRACTOR, BUILDING EXTERIOR AND SITE LIGHTING. MOUNT PHOTOCONTROL +6" ABOVE ROOF LINE AND FACE NORTH. MOUNT CONTRACTOR ADJACENT TO PANEL LPI.
28.	ELECTRICAL CONTRACTOR SHALL REVIEW OWNER FURNISHED EQUIPMENT SUBMITTALS PRIOR TO INSTALLATION AND ELECTRICAL ROUGH-IN. VERIFY LOCATION, SIZE, AND TYPE OF CONNECTIONS. COORDINATE DETAILS OF EQUIPMENT CONNECTIONS WITH SUPPLIER AND INSTALLER.

FEEDER SCHEDULE									
FEEDER	CONDUIT	MATL	CONDUCTORS IN EACH CONDUIT			SOURCE	CKT	LOAD	
			PHASE	NEUTRAL	GRD.				
HVFI	(2)4"	PVC/RGS	BY UTILITY			UTILITY	-	HVXF	
F1	(2)3"	PVC/RGS	3-#350 KCMIL	#350 KCMIL		HVXF	-	MDP	
F2	1-1/4"	EMT	3-#3	#3	#8	XHHW/THHN	MDP	1	LPI
F3	3/4"	EMT	3-#6	-	#8	XHHW/THHN	MDP	3	TI
F4	1-1/2"	EMT	3-#10	#10	#6	XHHW/THHN	TI	-	RPI
F5	3/4"	EMT	3-#6	-	#8	XHHW/THHN	MDP	5	T2
F6	1-1/2"	EMT	3-#10	#10	#6	XHHW/THHN	T2	-	DS1
F7	1-1/2"	EMT	3-#10	#10	#6	XHHW/THHN	DS1	-	RF2
F8	3/4"	EMT	3-#8	-	#10	THHN	MDP	2	RT-1
F9	3/4"	EMT	3-#10	-	#10	THHN	MDP	4	RT-2
F10	1/2"	EMT	3-#12	-	#12	THHN	MDP	6	RT-3
F11	1/2"	EMT	3-#12	-	#12	THHN	MDP	8	RT-4
F12	1/2"	EMT	3-#12	-	#12	THHN	MDP	10	RT-5
F13	1/2"	EMT	3-#12	-	#12	THHN	MDP	12	RT-6A
F14	1/2"	EMT	3-#12	-	#12	THHN	MDP	14	RT-6B
F15	3/4"	EMT	3-#8	-	#10	THHN	MDP	16	RT-7
F16	1"	EMT	3-#4	-	#8	XHHW/THHN	MDP	7	RAD #1 CB
F17	1"	EMT	3-#4	-	#8	XHHW/THHN	RAD #1 CB	-	RAD #1 EQUIP
F18	1"	EMT	3-#4	-	#8	XHHW/THHN	MDP	9	RAD #2 CB
F19	1"	EMT	3-#4	-	#8	XHHW/THHN	RAD #2 CB	-	RAD #2 EQUIP
F20	1-1/4"	EMT	3-#3	-	#8	XHHW/THHN	MDP	11	CT CB
F21	1-1/4"	EMT	3-#3	-	#8	XHHW/THHN	CT CB	-	CT EQUIP



ONE LINE DIAGRAM
SCALE: NONE

ELECTRICAL DRAWINGS

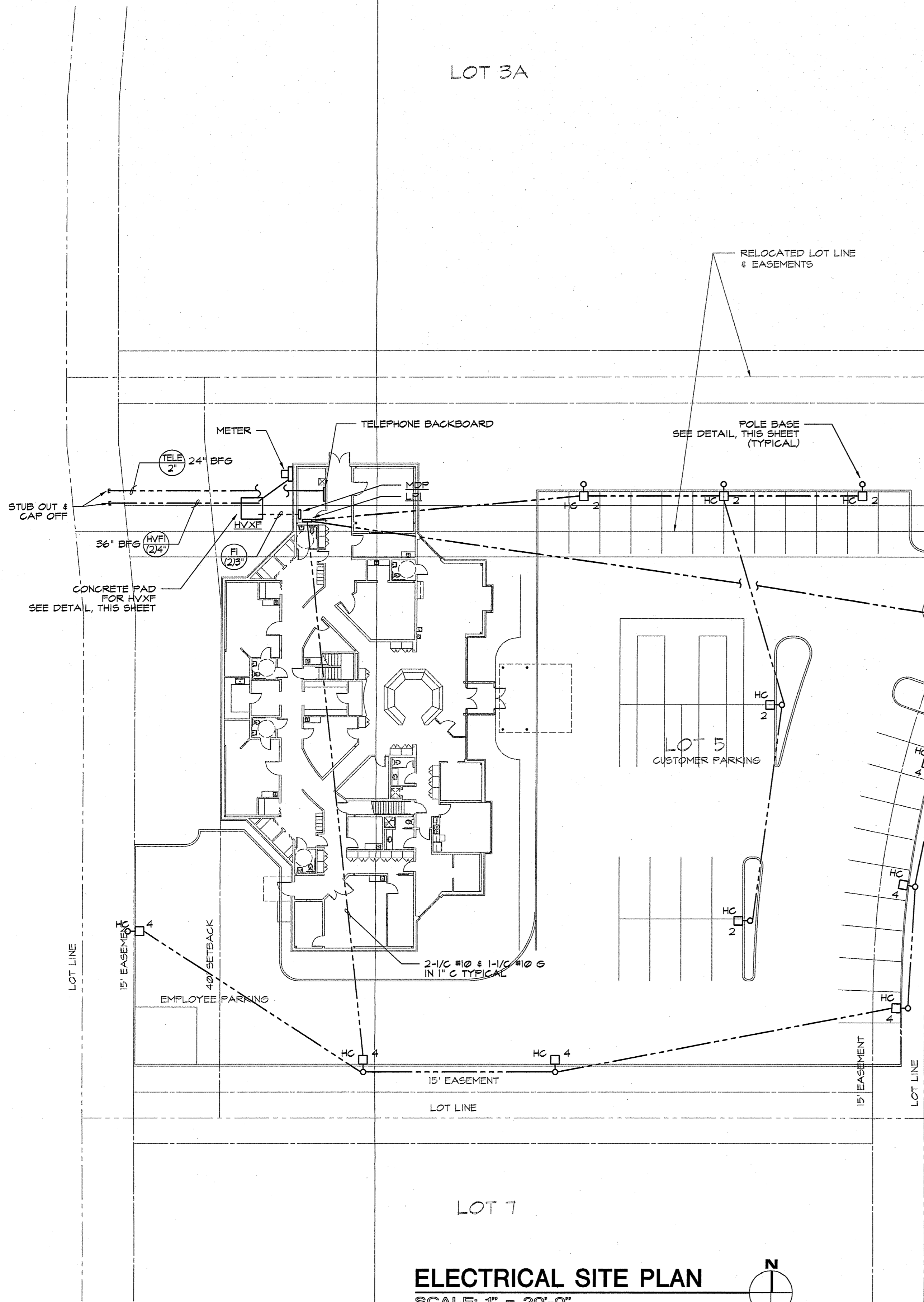
- E11 Electrical Notes & Symbol Schedule
- E12 Electrical Site Plan
- E21 First Floor Lighting Plan
- E22 Second Floor Lighting Plan
- E31 First Floor Power Plan
- E32 Enlarged Power Plan
- E33 Enlarged Power Plan
- E34 Second Floor Power Plan
- E35 Electrical Roof Plan
- E41 Panel Details

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 112 Ingle Street

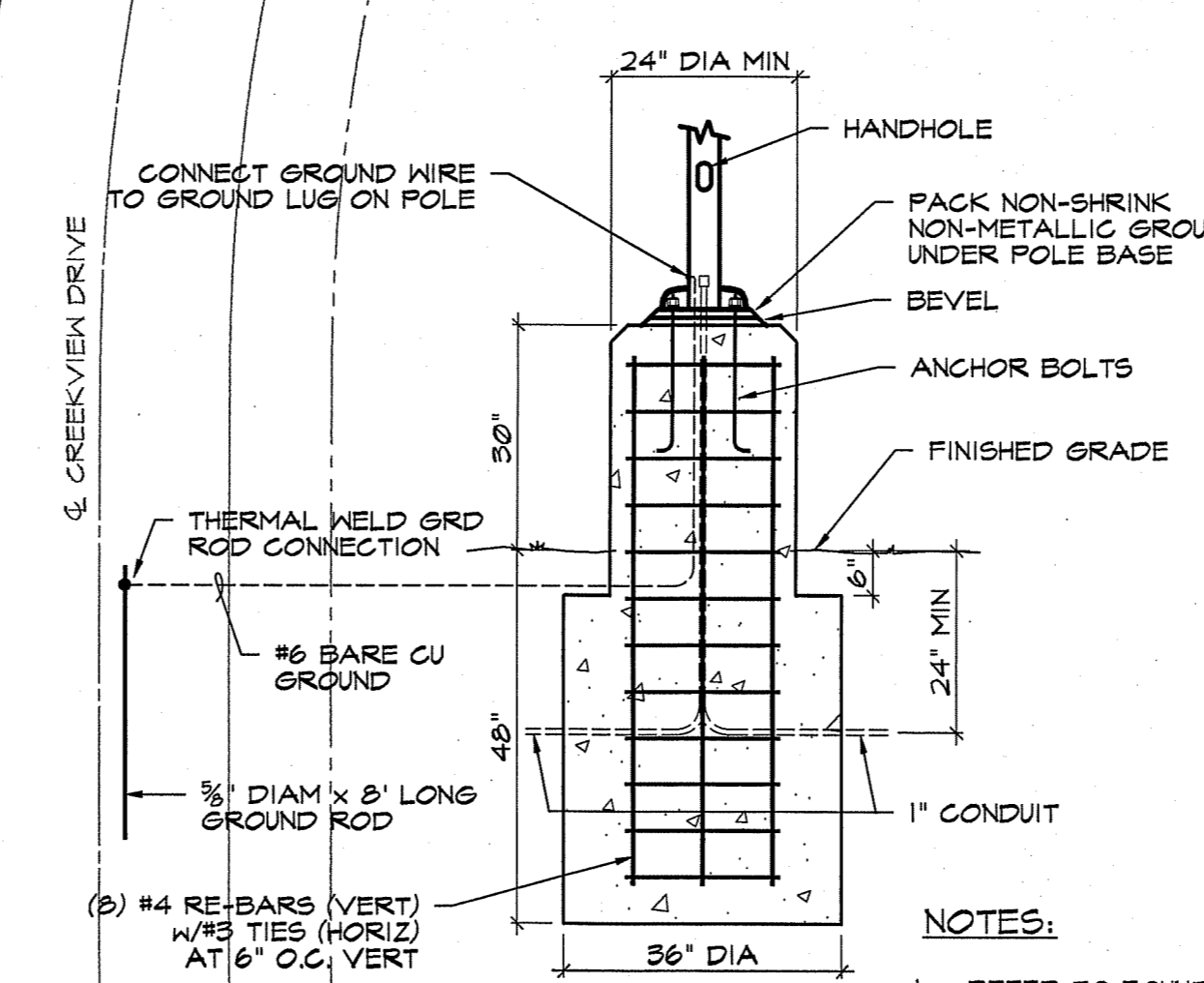
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ISSUED FOR STATE REVIEW	2/25/97	DATE
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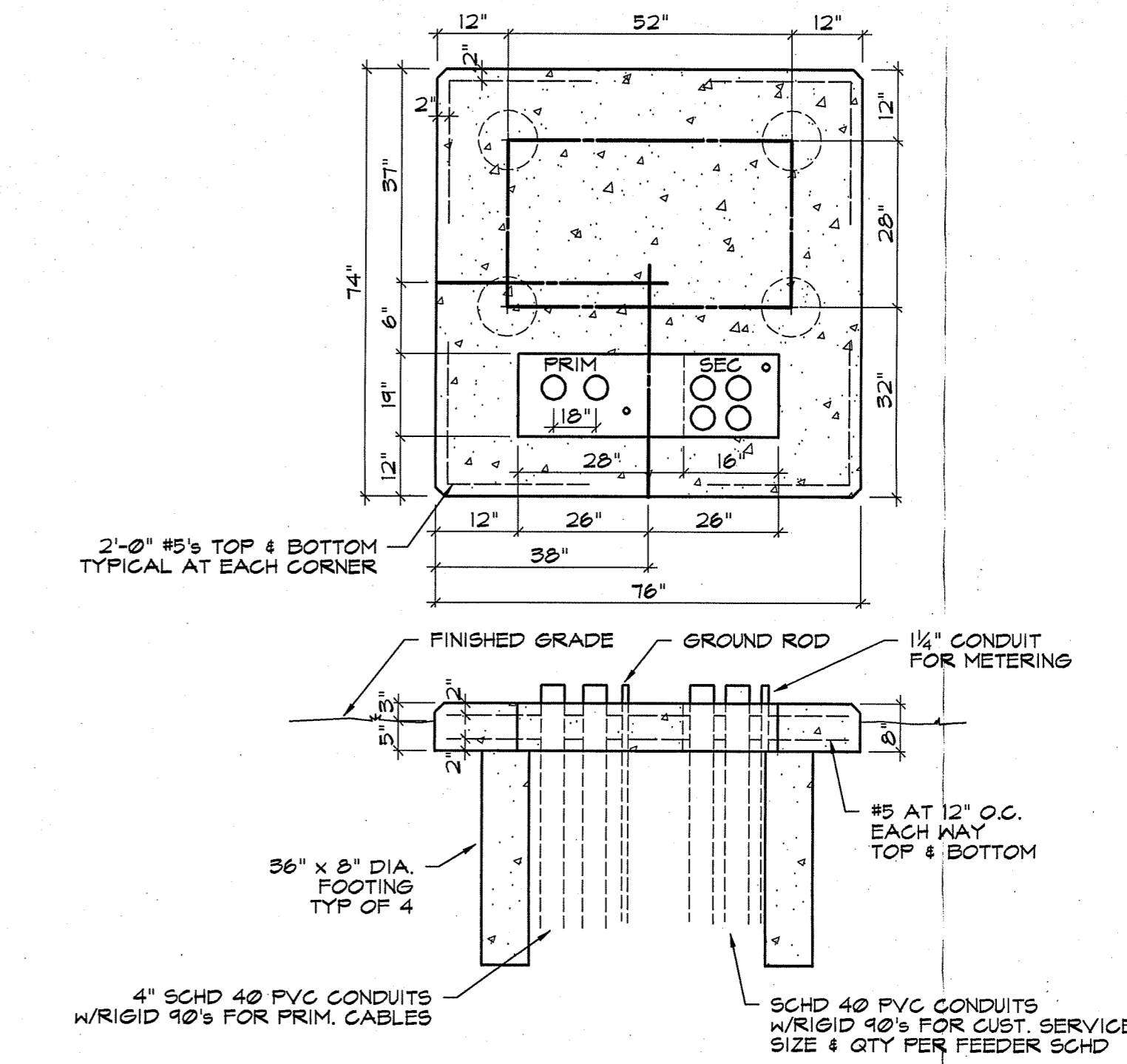
PROJ. NO. 4369-96
 DWG. NO. 36996411
 DATE 12/08/96
 SHEET NO. **E1.1**



ELECTRICAL SITE PLAN
SCALE: 1" = 20'-0"



DETAIL
SCALE: 1/2" = 1'-0"
LIGHT POLE BASE



DETAIL
SCALE: 1/2" = 1'-0"
CONCRETE TRANSFORMER PAD

- NOTES:**
1. REFER TO SHEET E1.1 FOR ELECTRICAL NOTES, SYMBOL SCHEDULE, AND POWER DISTRIBUTION ONE LINE DIAGRAM.
 2. REFER TO SHEET E2.2 FOR LIGHT FIXTURE SCHEDULE.
 3. REFER TO SHEET E4.1 FOR LIGHTING CONTROL DIAGRAMS.
 4. ALL LIGHTING CIRCUITS SHOWN ON THIS SHEET ARE DERIVED FROM PANEL LPI, UNLESS NOTED OTHERWISE.

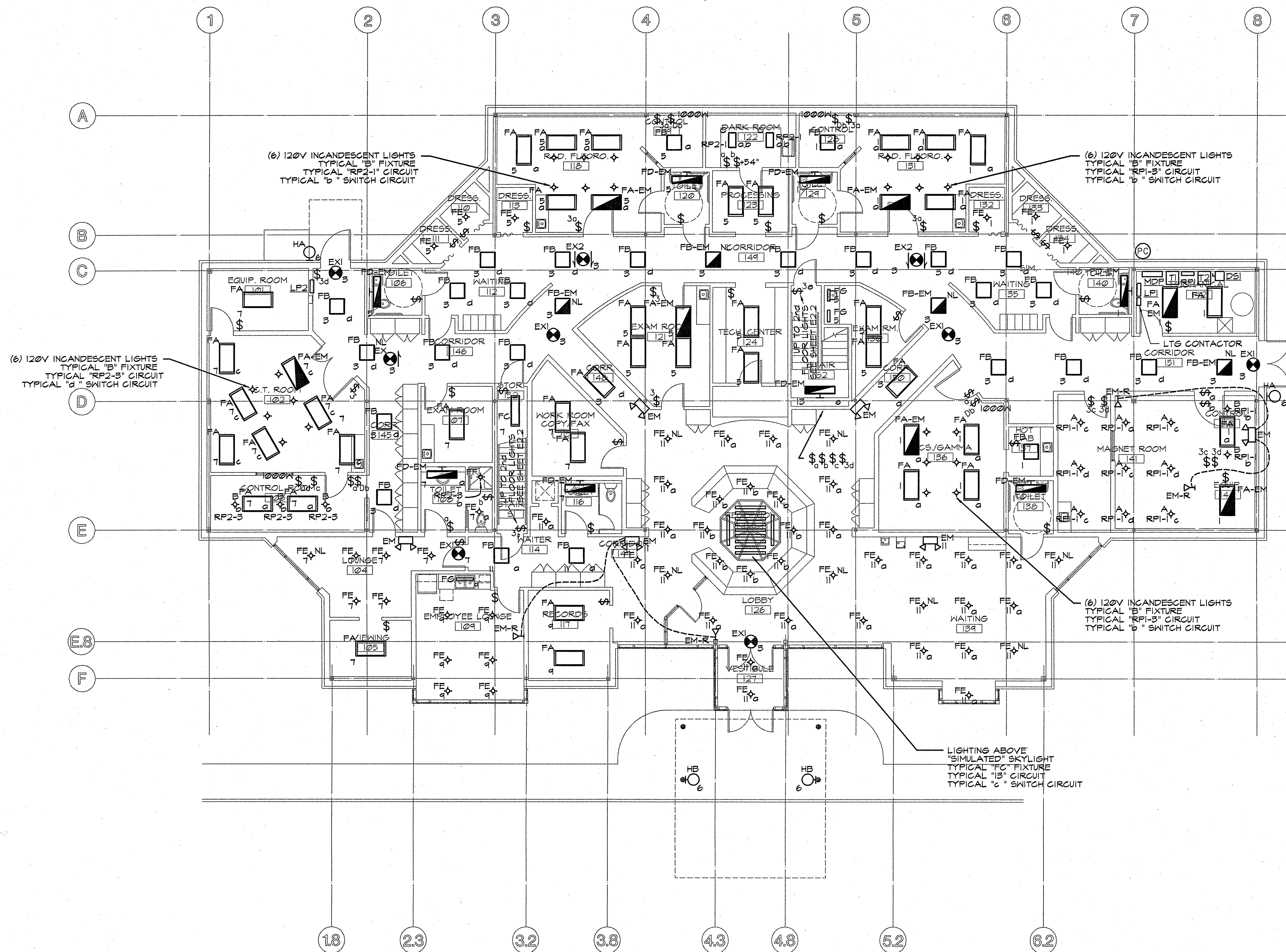
- NOTES:**
1. REFER TO FOUNDATION DRAWINGS FOR CONCRETE SPECIFICATIONS.

- NOTES:**
1. REFER TO FOUNDATION DRAWINGS FOR CONCRETE SPECIFICATIONS.

ISSUE	APPD.	DESCRIPTION	DATE
1		ISSUED FOR ADDENDUM	4/7/97

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FIRST FLOOR LIGHTING PLAN
 SCALE: 1/8" = 1'-0"

NOTES:

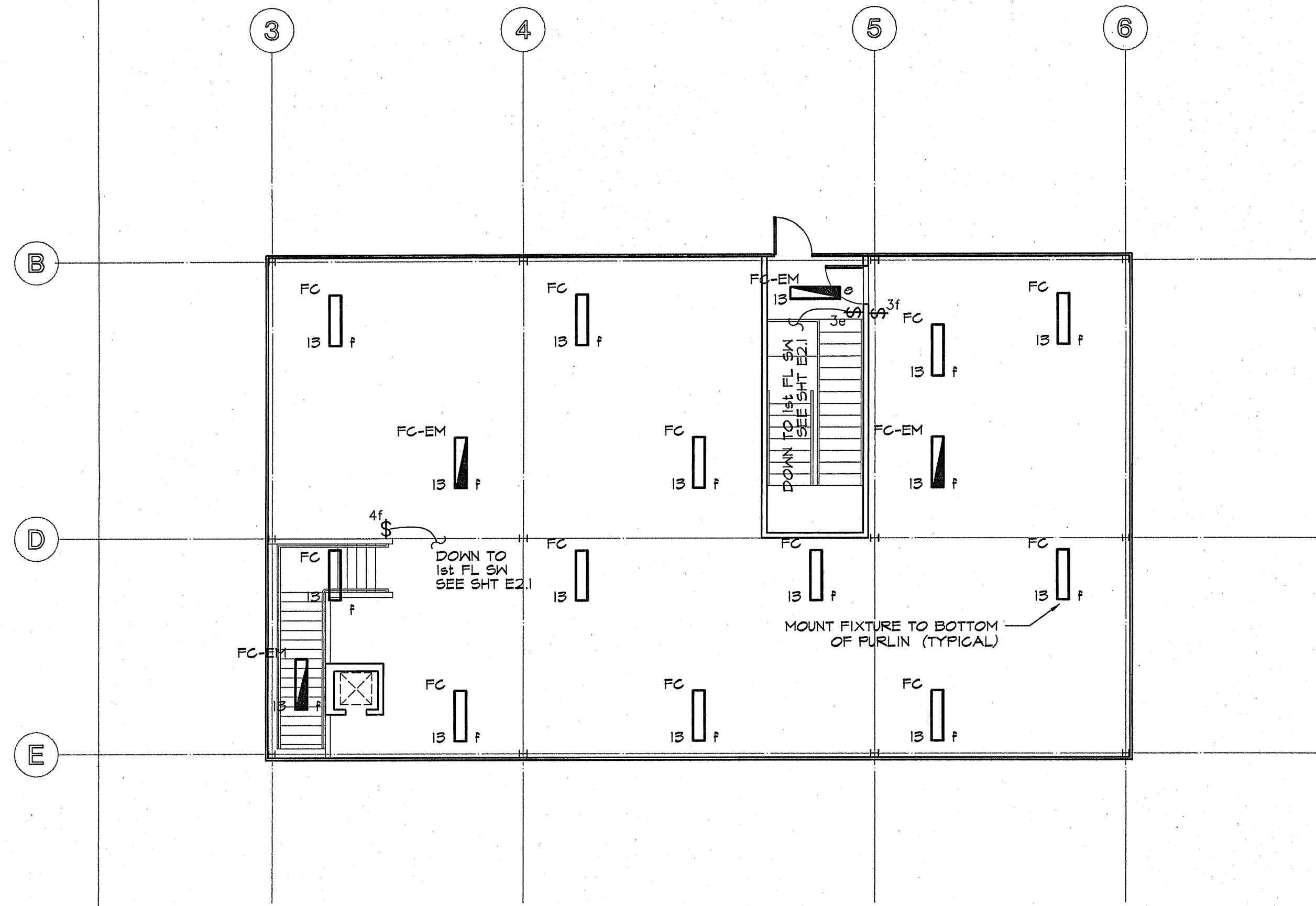
- REFER TO SHEET E1.1 FOR ELECTRICAL NOTES, SYMBOL SCHEDULE, AND POWER DISTRIBUTION ONE LINE DIAGRAM.
- REFER TO SHEET E2.2 FOR LIGHT FIXTURE SCHEDULE.
- ALL LIGHTING CIRCUITS SHOWN ON THIS SHEET ARE DERIVED FROM PANEL LP1, UNLESS NOTED OTHERWISE.

ISSUE	APPD	DESCRIPTION	DATE
1		ISSUED FOR APPENDIX	4/7/97
2		ISSUED FOR STATE REVIEW	2/25/97

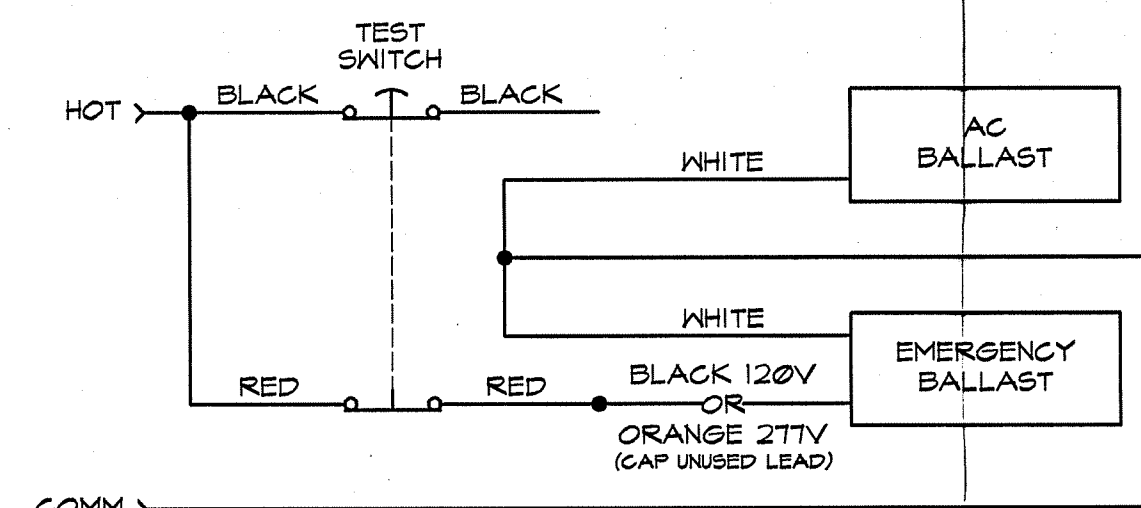
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DWG. NO.	36996421
DATE	12/08/96
SHEET NO.	

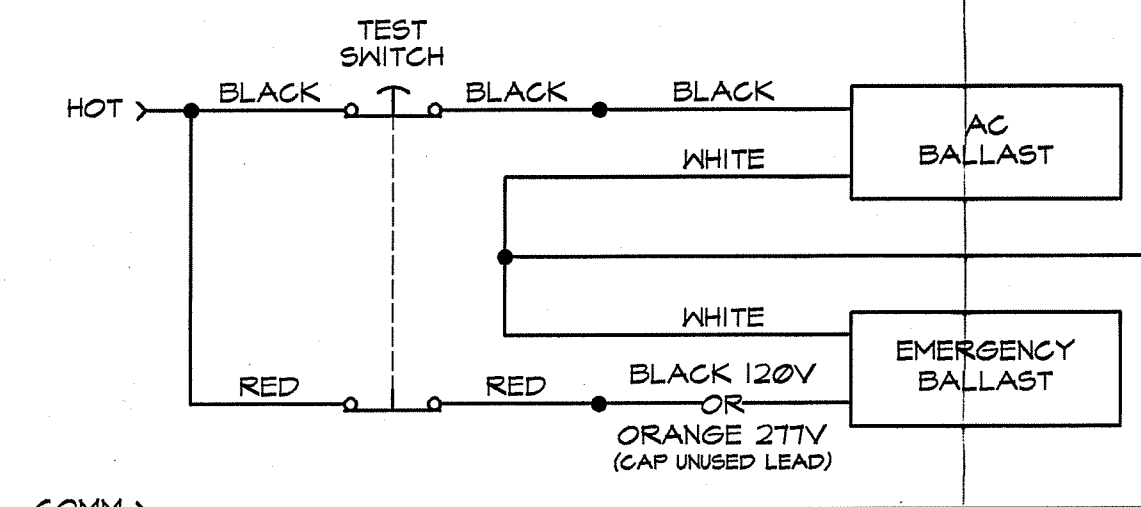
E2.1



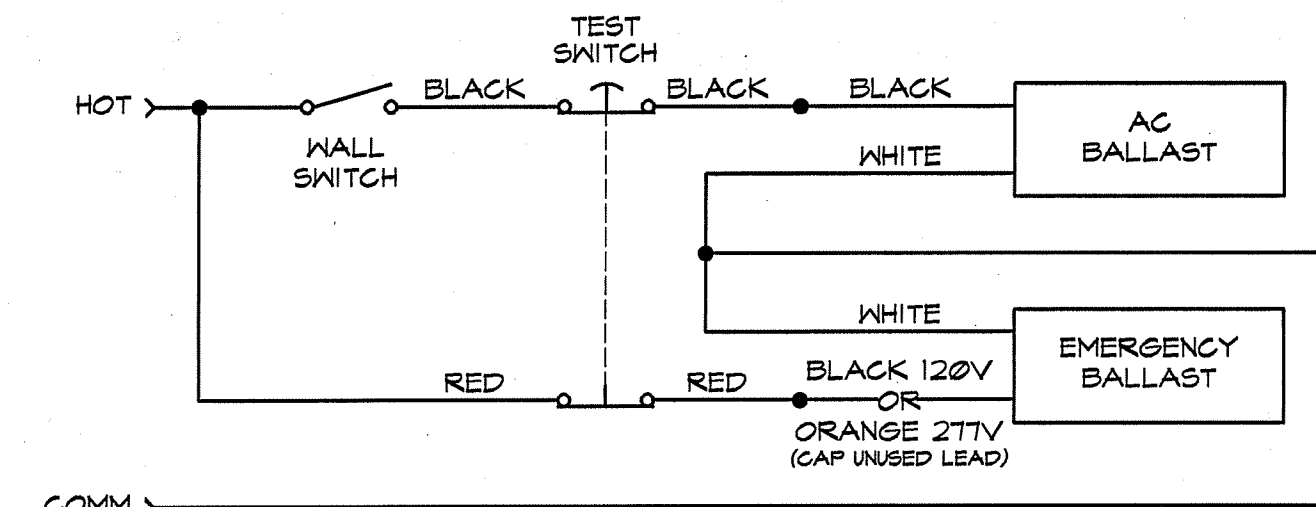
SECOND FLOOR LIGHTING PLAN
SCALE: 1/8" = 1'-0"



EMERGENCY ONLY FIXTURE



UNSWITCHED FIXTURE (NIGHT LIGHT)



SWITCHED FIXTURE

WIRING DIAGRAM

SCALE: NONE

EMERGENCY LIGHTING FIXTURES

LIGHT FIXTURE SCHEDULE						
TYPE	DESCRIPTION	MANF & CATALOG #	VOLT	LAMPS		
				TYPE	NO.	
A	6" DIAMETER RECESSED INCANDESCENT DOWNLIGHT, W/SPECULAR ALZAK REFLECTOR, DIECAST ALUMINUM HOUSING MOUNTING BRACKETS AND FRAME, WHITE TRIM RING, AND ONE 100 WATT A-19 LAMP, SUITABLE FOR USE IN MRI ROOMS.	LITHONIA A-6AR-MRI-TRW	120	SYLVANIA 100W, A19	1	
B	6" DIAMETER RECESSED INCANDESCENT DOWNLIGHT, W/BLACK BAFFLE, STEEL MOUNTING FRAME, WHITE TRIM RING, AND ONE 100 WATT A-19 LAMP	LITHONIA A-6MB-TRW	120	SYLVANIA 100W, A19	1	
C	1' X 2' DARK ROOM RECESSED SAFELIGHT, MATTE BLACK FINISH, PRISMATIC LENS, W/ONE 200 WATT, A23 LAMP, AND ONE 15 WATT, A15 LAMP W/FILTER LENS (OWNER VERIFY TYPE)	ALKCO R-2058-2	120	SYLVANIA 200W, A23 15W, A15	1	
FA	2' X 4', THREE LAMP RECESSED LAY-IN FLUORESCENT FIXTURE, PRISMATIC ACRYLIC LENS, FLAT STEEL DOOR, AND ELECTRONIC BALLAST	LITHONIA 25P6332-A12-2TT-GEB	277	SYLVANIA T8-F032/B35/R5	3	
FA-EM	SAME AS TYPE "FA" EXCEPT W/EMERGENCY BALLAST	LITHONIA 25P6332-A12-2TT-GEB-EL	277	SYLVANIA T8-F032/B35/R5	3	
FB	2' X 2', TWO "U" LAMP, RECESSED LAY-IN FLUORESCENT FIXTURE, PRISMATIC ACRYLIC LENS, FLAT STEEL DOOR, AND ELECTRONIC BALLAST	LITHONIA 25P62036-A12-2TT-GEB	277	SYLVANIA T8-FB032/B35/6	2	
FB-EM	SAME AS TYPE "FB" EXCEPT W/EMERGENCY BALLAST	LITHONIA 25P62036-A12-2TT-GEB-EL	277	SYLVANIA T8-FB032/B35/6	2	
FC	4', TWO LAMP, CHANNEL STRIP FLUORESCENT FIXTURE, SURFACE MOUNTED STEEL HOUSING AND ELECTRONIC BALLAST	LITHONIA C232-2TT-GEB	277	SYLVANIA T8-F032/B35/R5	2	
FC-EM	SAME AS TYPE "FC" EXCEPT W/EMERGENCY BALLAST	LITHONIA C232-2TT-GEB-EL	277	SYLVANIA T8-F032/B35/R5	2	
FD-EM	4', TWO LAMP WALL MOUNTED FLUORESCENT FIXTURE, W/OPAL ACRYLIC DIFFUSER, WHITE STEEL HOUSING, AND EMERGENCY BALLAST. MOUNT AT +1'-4" AFF TO BOTTOM	LITHONIA WC232-A12-2TT-GEB-EL	277	SYLVANIA T8-F032/B35/R5	2	
FE	8" DIAMETER RECESSED FLUORESCENT DOWN LIGHT, W/SPECULAR CLEAR REFLECTOR, WHITE TRIM RING, TWO 26 WATT DOUBLE THIN TUBE LAMP, AND ELECTRONIC BALLAST	LITHONIA AF-2/26DTT-8AR-2TT-GEB	277	SYLVANIA T4-CF26DD/E/B35	2	
FF	9" DIAMETER RECESSED FLUORESCENT SHOWER LIGHT, W/DROP OPAL LENS, TWO 13 WATT THIN TUBE LAMP, AND ELECTRONIC BALLAST	LITHONIA LGF2/13TT-4RW-DOL-2TT-GEB	277	SYLVANIA T4-CF13DS/B35	2	
FG	UNDERCOUNTER LOW PROFILE FLUORESCENT LIGHT FIXTURE W/WHITE HOUSING AND WHITE DIFFUSER	LITHONIA UC-21-2TT	277	SYLVANIA T8-F13T5/WW	1	
EX1	EMERGENCY EXIT SIGN W/CAST ALUMINUM BLACK HOUSING, SINGLE BRUSHED ALUMINUM FACE, RED LETTERS, LED ILLUMINATION, MAINTENANCE FREE NICKEL CADMIUM BATTERY, WALL MOUNT AT +6" ABOVE DOOR FRAME TO BOTTOM.	LITHONIA LES1R-120/2TT-ELN	277	INCLUDED	-	
EX2	SAME AS TYPE "EX1" EXCEPT DOUBLE FACE	LITHONIA LES2R-120/2TT-ELN	277	INCLUDED	-	
EM	EMERGENCY TWIN HEAD LIGHTING UNIT, 50 WATT W/WHITE POLYCARBONATE HOUSING, MAINTENANCE FREE LEAD CALCIUM BATTERY, AND 12 WATT INCANDESCENT LAMPS	LITHONIA ELM4	277 VAC 12 VDC	INCLUDED	-	
EM-R	EMERGENCY REMOTE HEAD LIGHT FIXTURE W/WHITE POLYCARBONATE HOUSING AND 12 WATT INCANDESCENT LAMP	LITHONIA D5-N1212	12 VDC	INCLUDED	-	
HA	70 WATT HIGH PRESSURE SODIUM EXTERIOR WALL PACK W/CAST ALUMINUM HOUSING, DARK BRONZE FINISH, POLYCARBONATE LENS, AND HIGH POWER FACTOR BALLAST. UL LISTED FOR WET LOCATIONS. MOUNT AT +1'-0" AFF TO BOTTOM	LITHONIA TNL70S-2TT-HPF	277	SYLVANIA L70/MED	1	
HB	175 WATT METAL HALIDE WALL MOUNTED UPLIGHT FOR CANOPY W/EXTRUDED ALUMINUM HOUSING, WHITE FINISH, GLASS LENS, REMOTE BALLAST, AND CUTOFF VISOR. UL LISTED FOR WET LOCATIONS. MOUNT AT +1'-6" AFF TO BOTTOM	ELLIPTIPAR ME2-015-V-02-B-AVDO2	277	SYLVANIA ED-TT M175/M/MED	1	
HC	400 WATT HIGH PRESSURE SODIUM AREA POLE MOUNTED FIXTURE, TYPE 4 DISTRIBUTION W/ALUMINUM HOUSING, DARK BRONZE FINISH, AND GLASS LENS. POLE SHALL BE 20'-0" SQUARE STRAIGHT STEEL W/POLE BASE COVER, HANDHOLE, AND GROUND LUG	LITHONIA KSF2-400S-R4-2TT-SPO4	277	SYLVANIA ET-18 LU400	1	

NOTES:

- REFER TO SHEET E1.1 FOR ELECTRICAL NOTES, SYMBOL SCHEDULE, AND POWER DISTRIBUTION ONE LINE DIAGRAM.
- REFER TO SHEET E4.1 FOR LIGHTING CONTROL DIAGRAMS.
- ALL LIGHTING CIRCUITS SHOWN ON THIS SHEET ARE DERIVED FROM PANEL LPI, UNLESS NOTED OTHERWISE.

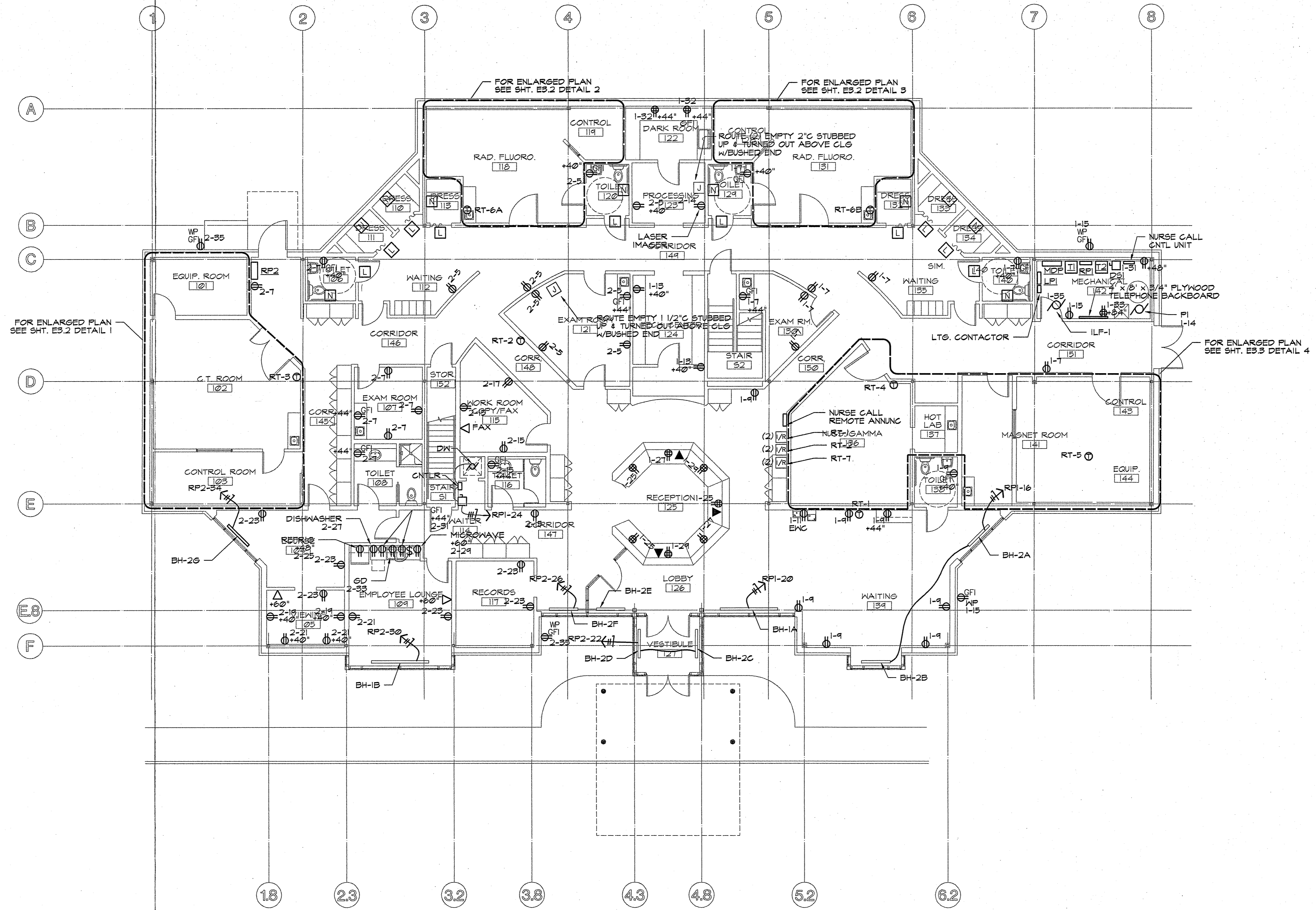
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Evansville, Indiana

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ADDENDUM DESCRIPTION		4/7/17

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E2.2



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

NOTES:

1. REFER TO SHEET E1.1 FOR ELECTRICAL NOTES, SYMBOL SCHEDULE, AND POWER DISTRIBUTION ONE LINE DIAGRAM.
2. REFER TO SHEET E3.4 FOR NURSE CALL WIRING DIAGRAM.
3. REFER TO SHEET E3.4 FOR MECHANICAL EQUIPMENT SCHEDULE.
4. ALL RECEPTACLE CIRCUITS SHOWN ON THIS SHEET ARE DERIVED FROM PANELS RPI & RP2 DENOTED BY FIRST DIGIT. ("1-1" INDICATES PANEL RPI, CIRCUIT 1)

NO.	DATE	DESCRIPTION
1	4/1/97	ISSUED FOR APPENDUM
2	2/23/97	ISSUED FOR STATE REVIEW

NO.	DATE	DESCRIPTION
1	0	ISSUE

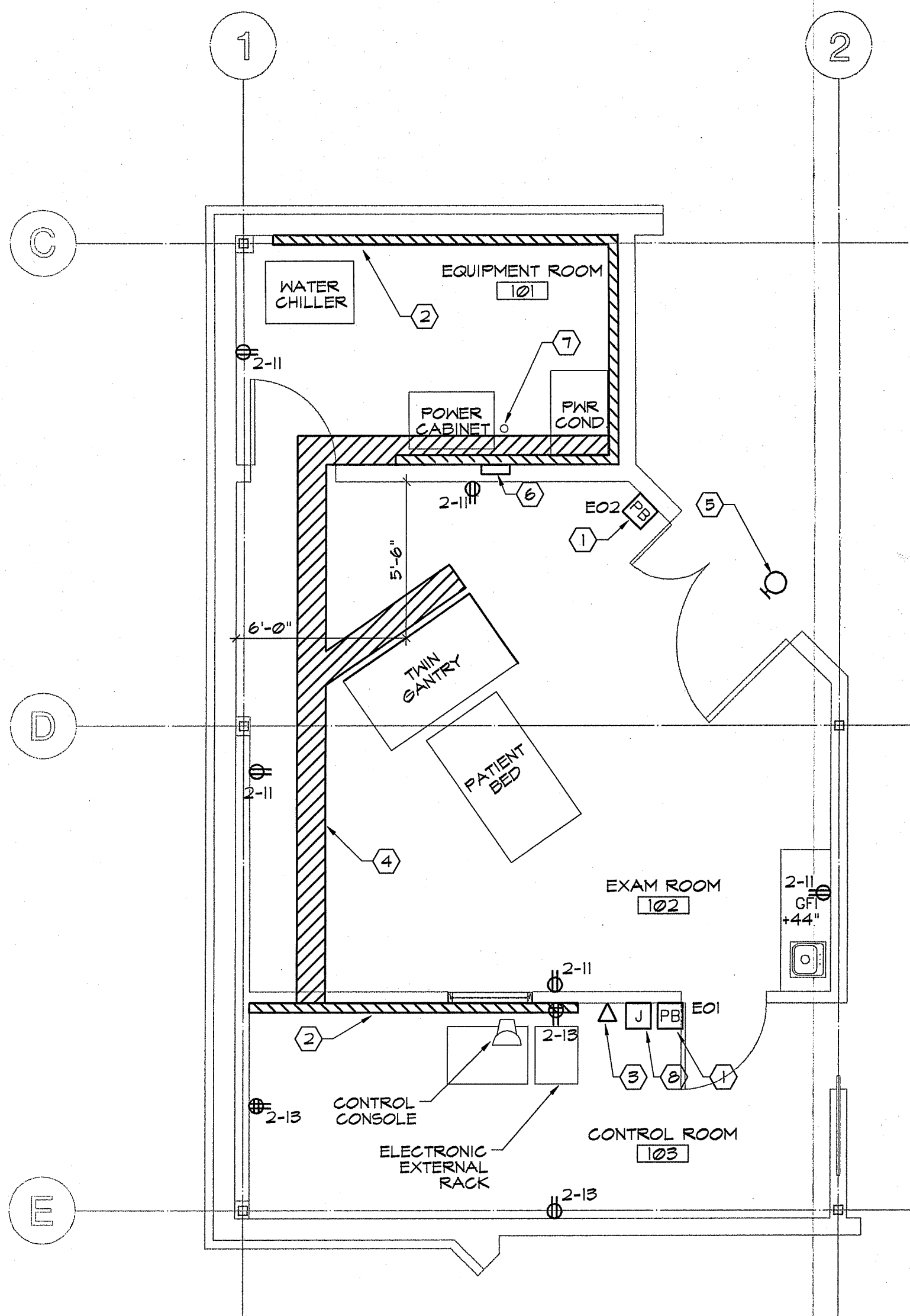
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DWG. NO.	36446431
DATE	12/08/96
SHEET NO.	

E3.1

KEYED NOTES - CT ROOM	
①	EMERGENCY OFF BUTTONS, 3 1/2" DEEP, SINGLE GANG, FLUSH MTD AT +5'-0" AFF TO CENTER.
②	10" x 3-1/2" DEEP HORIZONTAL WALL DUCT WITH REMOVABLE COVER MOUNTED AT +1'-0" AFF TO BOTTOM. PROVIDE PARTITIONS TO SEPARATE HIGH VOLTAGE AND LOW VOLTAGE CABLES.
③	DEDICATED PHONE LINE FOR MODEM CONNECTOR.
④	12" x 3-1/2" DEEP FLUSH FLOOR DUCT WITH REMOVABLE COVER. COVERPLATE SHALL BE EVEN WITH FINISHED SURFACE. PROVIDE PARTITIONS TO SEPARATE HIGH VOLTAGE AND LOW VOLTAGE CABLES.
⑤	WARNING LIGHT WITH CONDUIT TO POWER CABINET. MOUNT AT +0'-6" ABOVE DOOR FRAME.
⑥	MAIN DISCONNECT 100 AMP, 3 POLE 480 VOLT CIRCUIT BREAKER WITH SHUNT TRIP IN A NEMA 1 ENCLOSURE LOCATE +5'-0" AFF TO CENTER. LOCKABLE IN THE OFF POSITION.
⑦	GROUND TERMINAL W#2 GRD CONNECTED TO MAIN DIST. PANEL.
⑧	4" SQUARE JUNCTION BOX FOR CONNECTION TO LASER IMAGER. ROUTE EMPTY 1-1/2" CONDUIT STUBBED UP AND TURNED OUT ABOVE ACCESSIBLE CEILING WITH BUSHED END.

ON HOLD PENDING INFORMATION FROM EQUIPMENT SUPPLIER

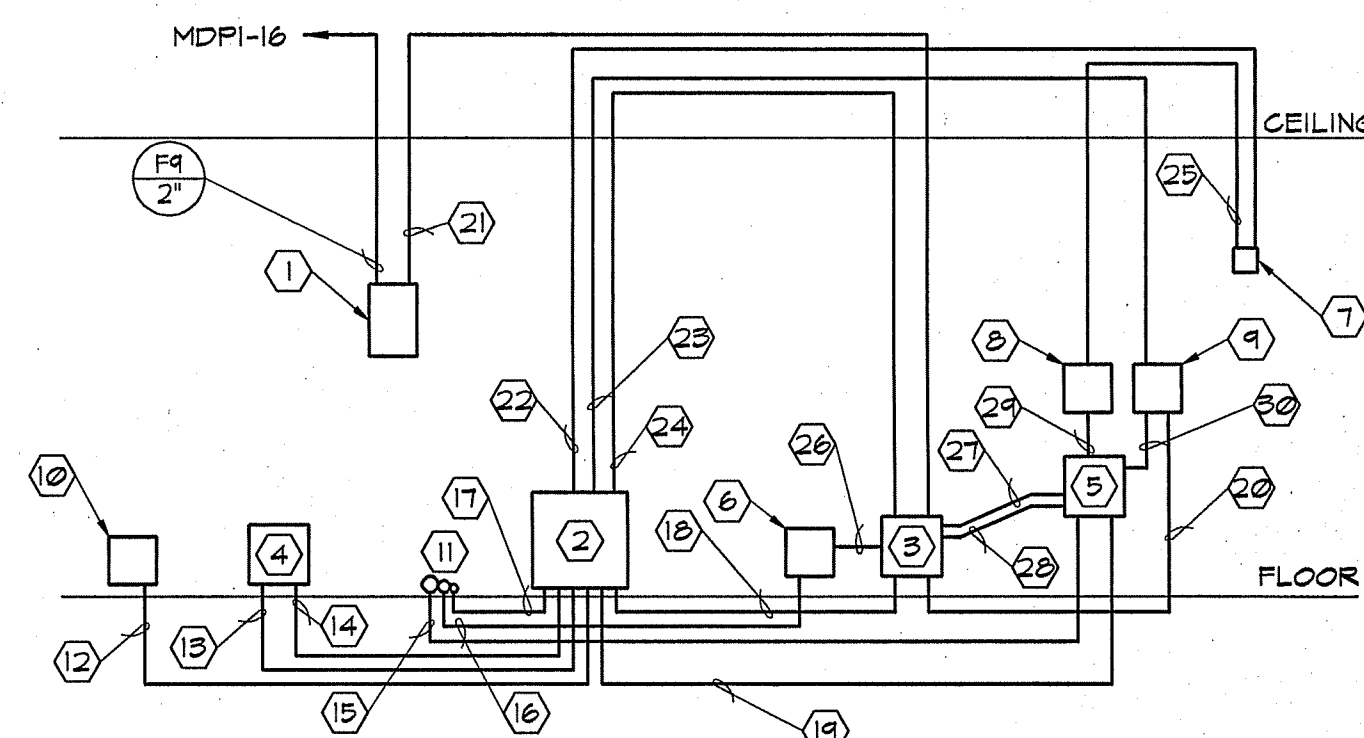


ENLARGED POWER PLAN

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

C.T. ROOM
ROOMS 101, 102 & 103

KEYED NOTES - RAD. FLUORO ROOMS			
①	100 AMP/3 POLE, 277/480 VOLT CIRCUIT BREAKER FOR RAD UNIT. MOUNT ENCLOSURE AT +5'-0" AFF TO BOTTOM.	⑩	3" CONDUIT
②	24" SQ. x 6" BOX MOUNTED AT +0'-2" AFF TO BOTTOM.	⑪	2" CONDUIT
③	15" SQ. x 6" BOX MOUNTED AT +0'-5" AFF TO BOTTOM.	⑫	2" CONDUIT W/1-1/2" #6, 3-1/2" #10, 3-1/2" #12, 6-1/2" #14, AND 30-1/2" #16
④	15" SQ. x 4" BOX MOUNTED AT +0'-3" AFF TO BOTTOM.	⑬	2" CONDUIT W/2-BELDEN #8422, 8-1/2" #14, AND 14-1/2" #16
⑤	15" SQ. x 6" BOX MOUNTED AT +1'-0" AFF TO BOTTOM.	⑭	1-1/2" CONDUIT W/1-1/2" #8, 3-1/2" #10
⑥	12" SQ. x 6" BOX MOUNTED AT +0'-5" AFF TO BOTTOM.	⑮	2" CONDUIT W/5-1/2" #2
⑦	6" SQ. x 4" BOX MOUNTED AT +6'-9" AFF TO BOTTOM.	⑯	2-1/2" CONDUIT W/1-1/2" #8, 3-1/2" #14
⑧	12" SQ. x 6" BOX MOUNTED AT +3'-10" AFF TO BOTTOM.	⑰	2" CONDUIT W/24-1/2" #16
⑨	12" SQ. x 6" BOX MOUNTED AT +3'-10" AFF TO BOTTOM.	⑱	2" CONDUIT W/1-1/2" #8, 3-1/2" #12, 6-1/2" #14
⑩	12" SQ. x 6" BOX MOUNTED AT +0'-3" AFF TO BOTTOM.	⑲	2-1/2" CONDUIT
⑪	(1) 2", (1) 3", AND (1) 4" CONDUIT STUBBED UP +0'-1" AFF.	⑳	2-1/2" CONDUIT
⑫	2" CONDUIT W/1-1/2" #8, 3-1/2" #10, 6-1/2" #12, AND 14-1/2" #16	㉑	(2) 2-1/2" CONDUITS
⑬	2-1/2" CONDUIT	㉒	2" CONDUIT W/10-1/2" #14
⑭	2-1/2" CONDUIT	㉓	WRAP SIDE AND BACK OF ALL BOXES WITH LEAD
⑮	4" CONDUIT		

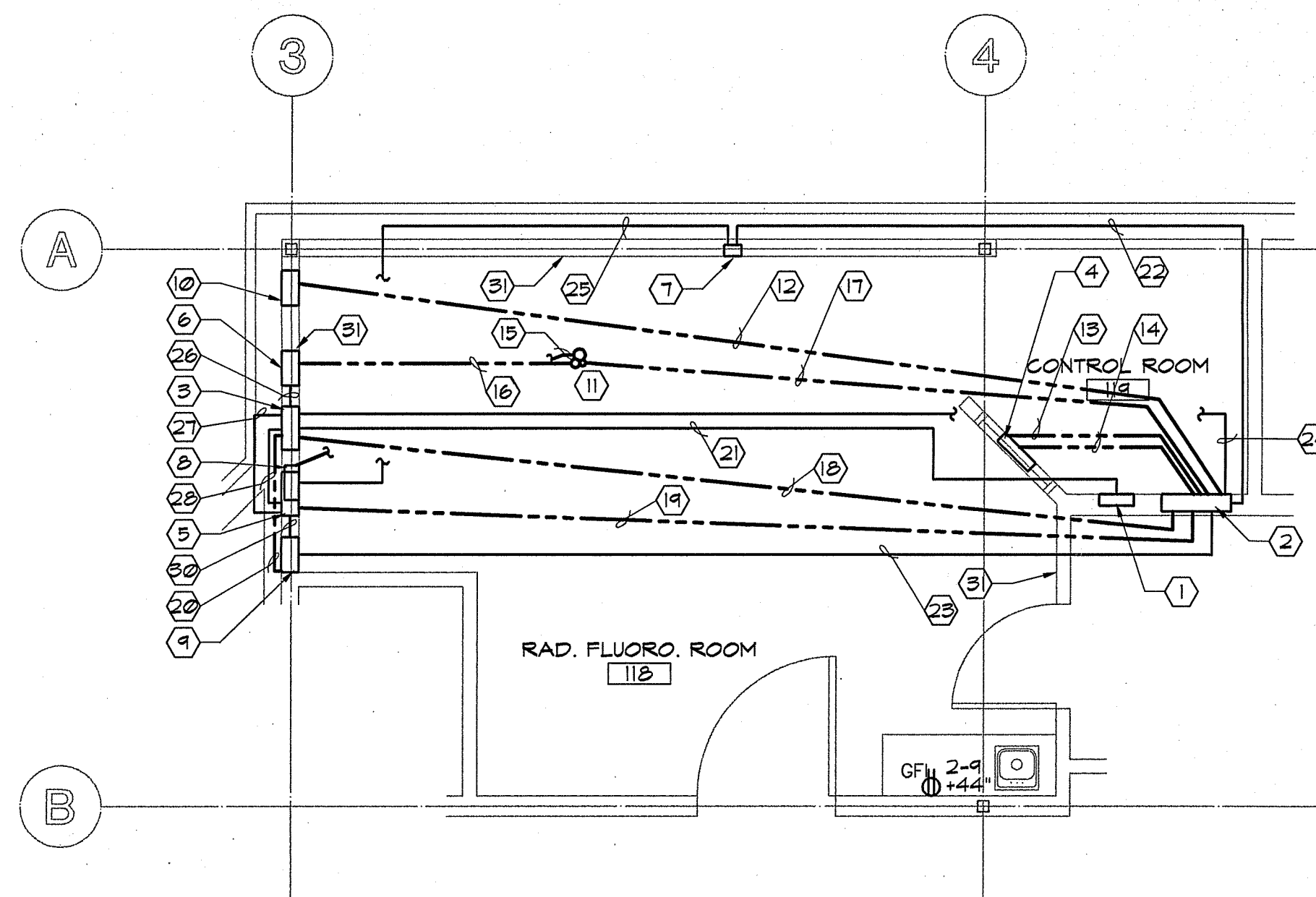


RAD ROOM WIRING DIAGRAM

SCALE: NONE

NOTES:

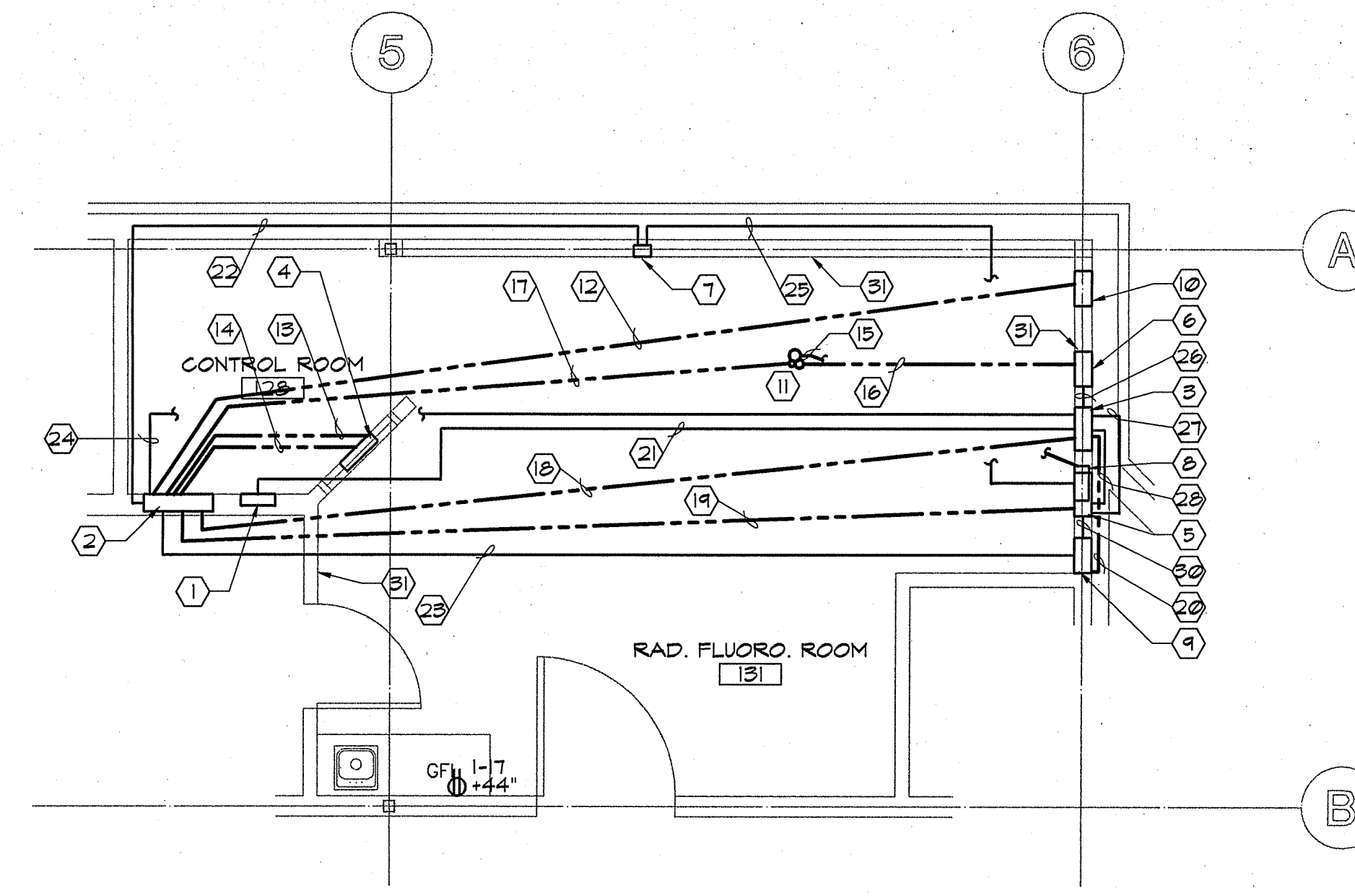
1. PROVIDE OVERSIZED COVERS ON ALL BOXES.
2. WIRING SHOWN SHALL BE STRANDED COPPER THHN AND EXTENDING 6" OUT OF BOXES.



ENLARGED POWER PLAN

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

RAD. FLUORO. ROOM 1
ROOM 118



ENLARGED POWER PLAN

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

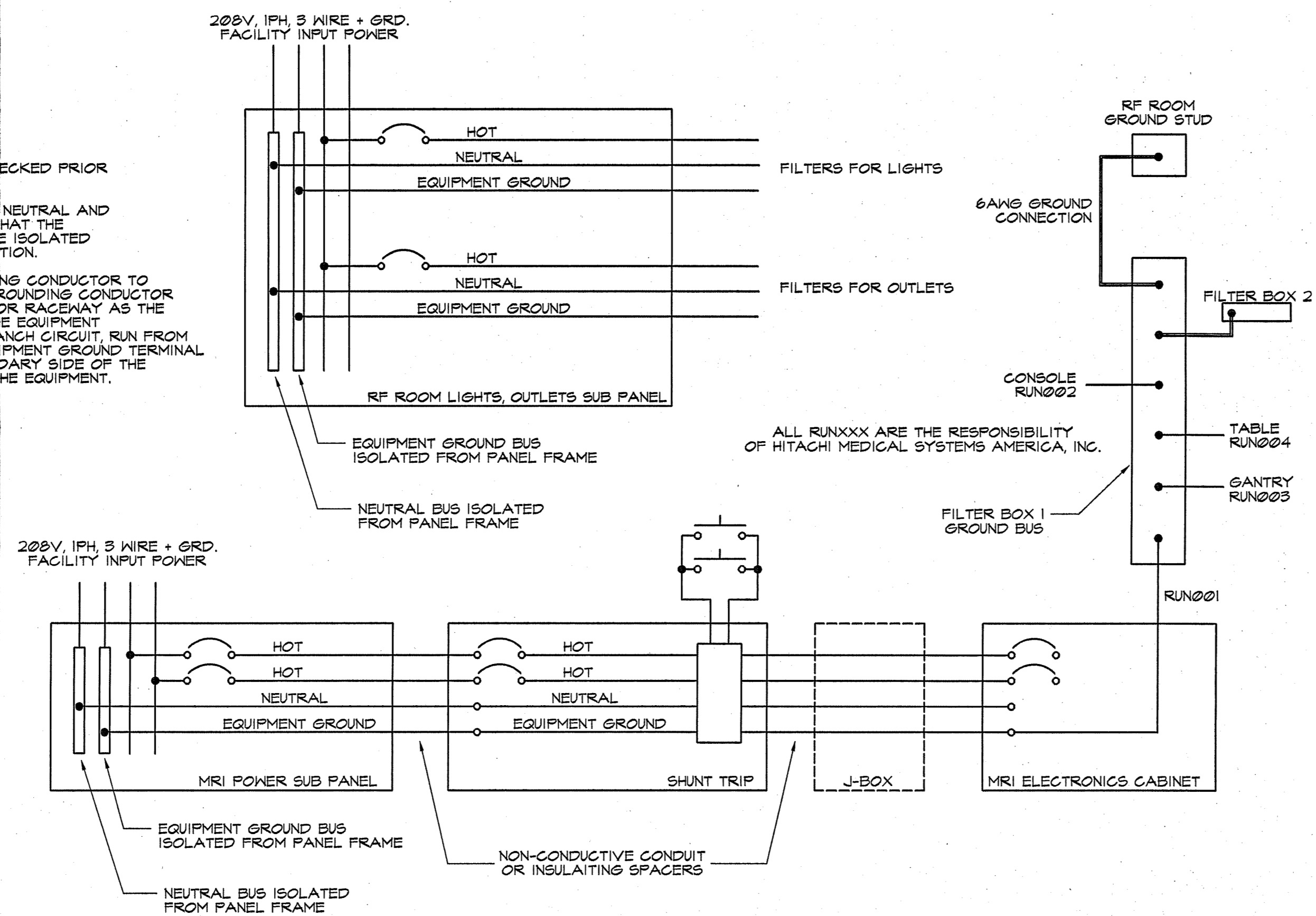
RAD. FLUORO. ROOM 2
ROOM 130

ISSUED FOR APPENDIX	DATE	ISSUED FOR STATE REVIEW	DATE
1	4/7/97	0	2/25/97

PROJ. NO.	4364-96
DWG. NO.	56946432
DATE	12/08/96
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NOTES

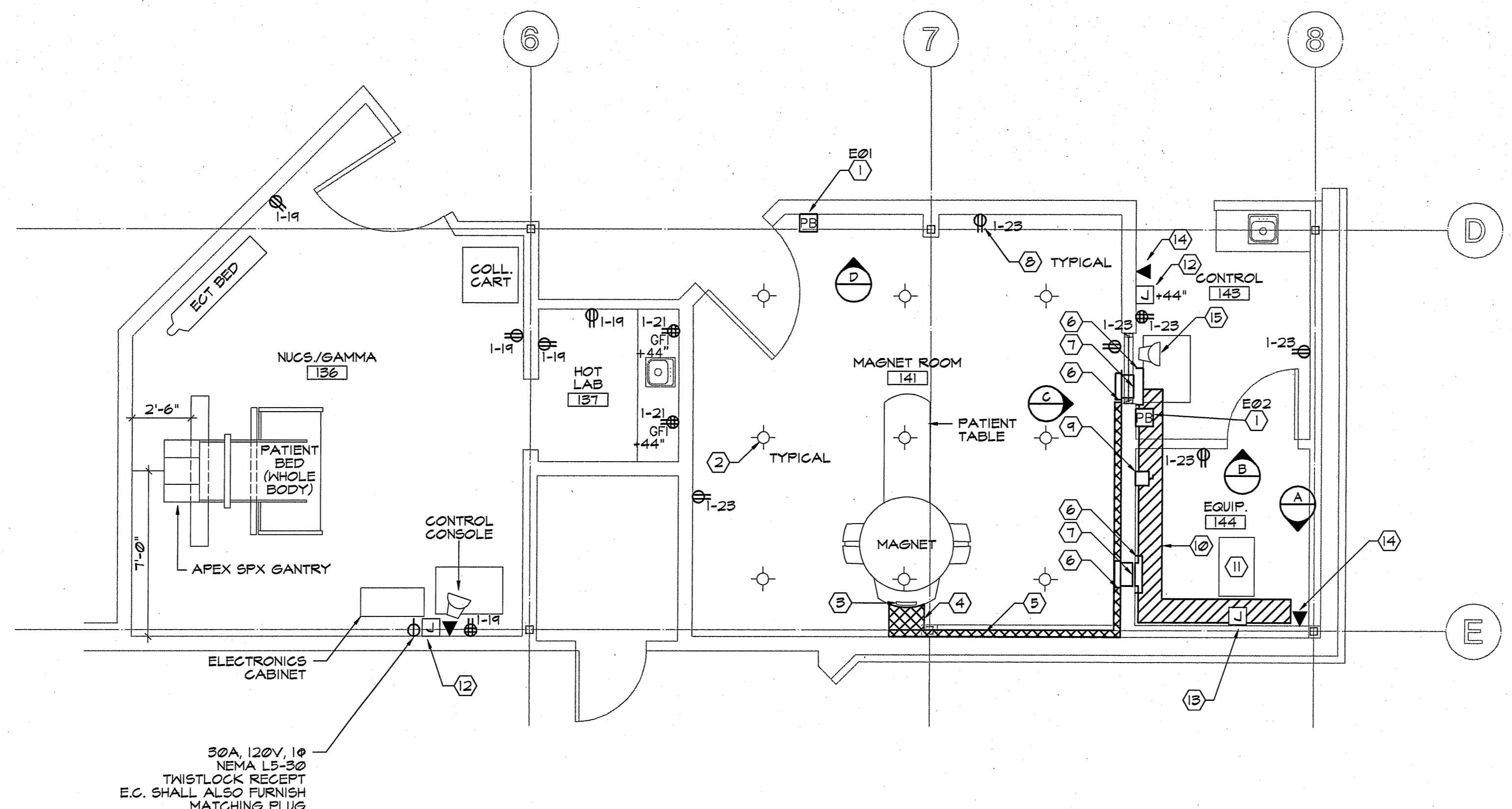
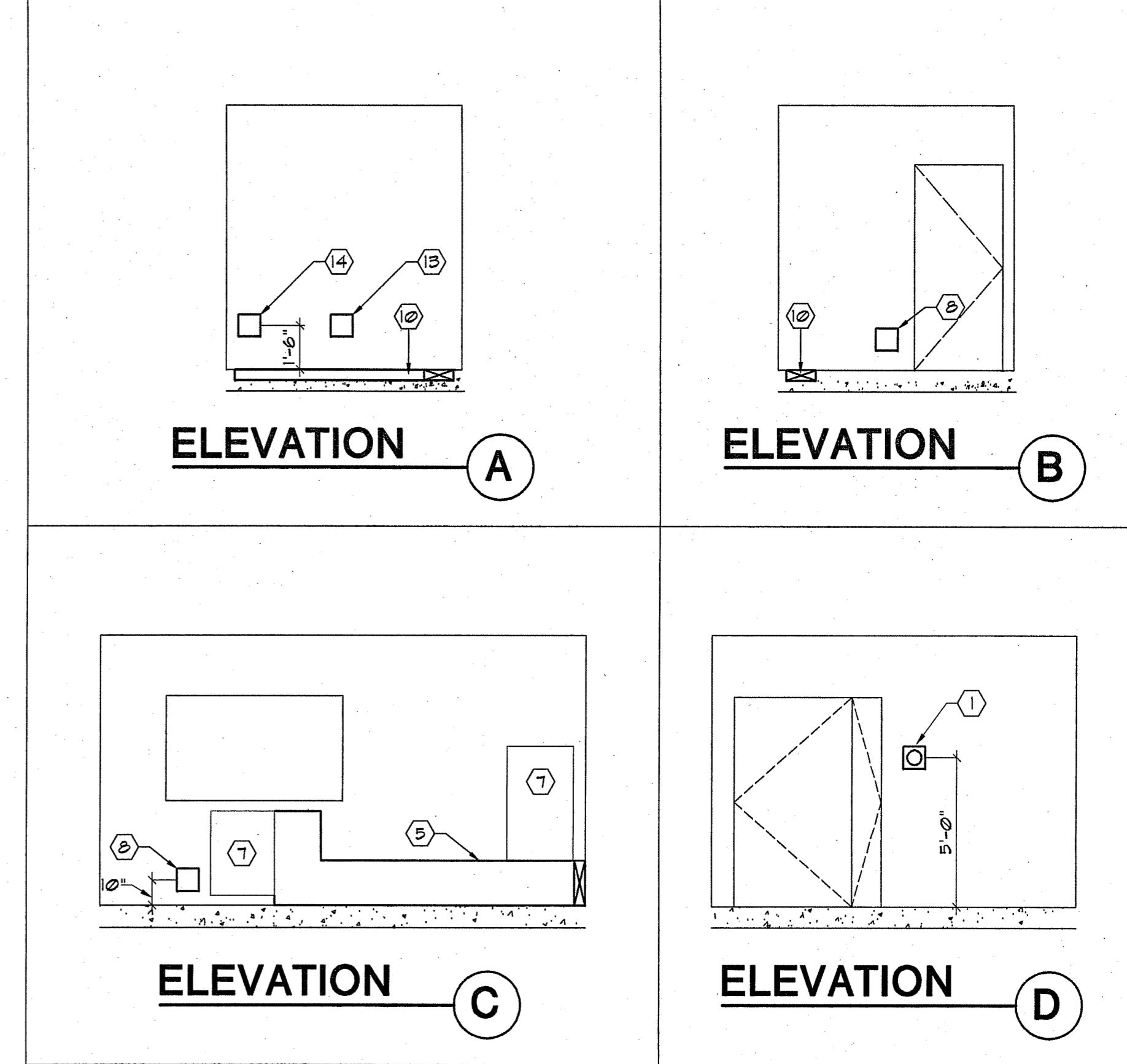
1. SYSTEM GROUNDING IMPEDANCE MUST BE CHECKED PRIOR TO COMPLETION OF INSTALLATION.
2. USE AN ISOLATED GROUND SCHEME FOR THE NEUTRAL AND EQUIPMENT GROUND CONDUCTORS. ENSURE THAT THE NEUTRAL AND EQUIPMENT GROUND BUSES ARE ISOLATED FROM SUB PANEL AT EACH SUB PANEL LOCATION.
3. PROVIDE AN INSULATED EQUIPMENT GROUNDING CONDUCTOR TO GROUND ALL EQUIPMENT. THIS EQUIPMENT GROUNDING CONDUCTOR SHALL BE INSTALLED IN THE SAME CONDUIT OR RACEWAY AS THE HOT AND NEUTRAL CIRCUIT CONDUCTORS. THE EQUIPMENT GROUNDING CONDUCTOR SHALL, IN EACH BRANCH CIRCUIT, RUN FROM THE BRANCH CIRCUIT SUB PANEL TO THE EQUIPMENT GROUND TERMINAL AT THE MAIN SERVICE EQUIPMENT OR SECONDARY SIDE OF THE SEPARATELY DERIVED SOURCE SUPPLYING THE EQUIPMENT.



WIRING DIAGRAM

SCALE: NONE

HITACHI MEDICAL SYSTEMS AMERICA
TYPICAL PROTECTIVE DISCONNECT SET-UP



ENLARGED POWER PLAN

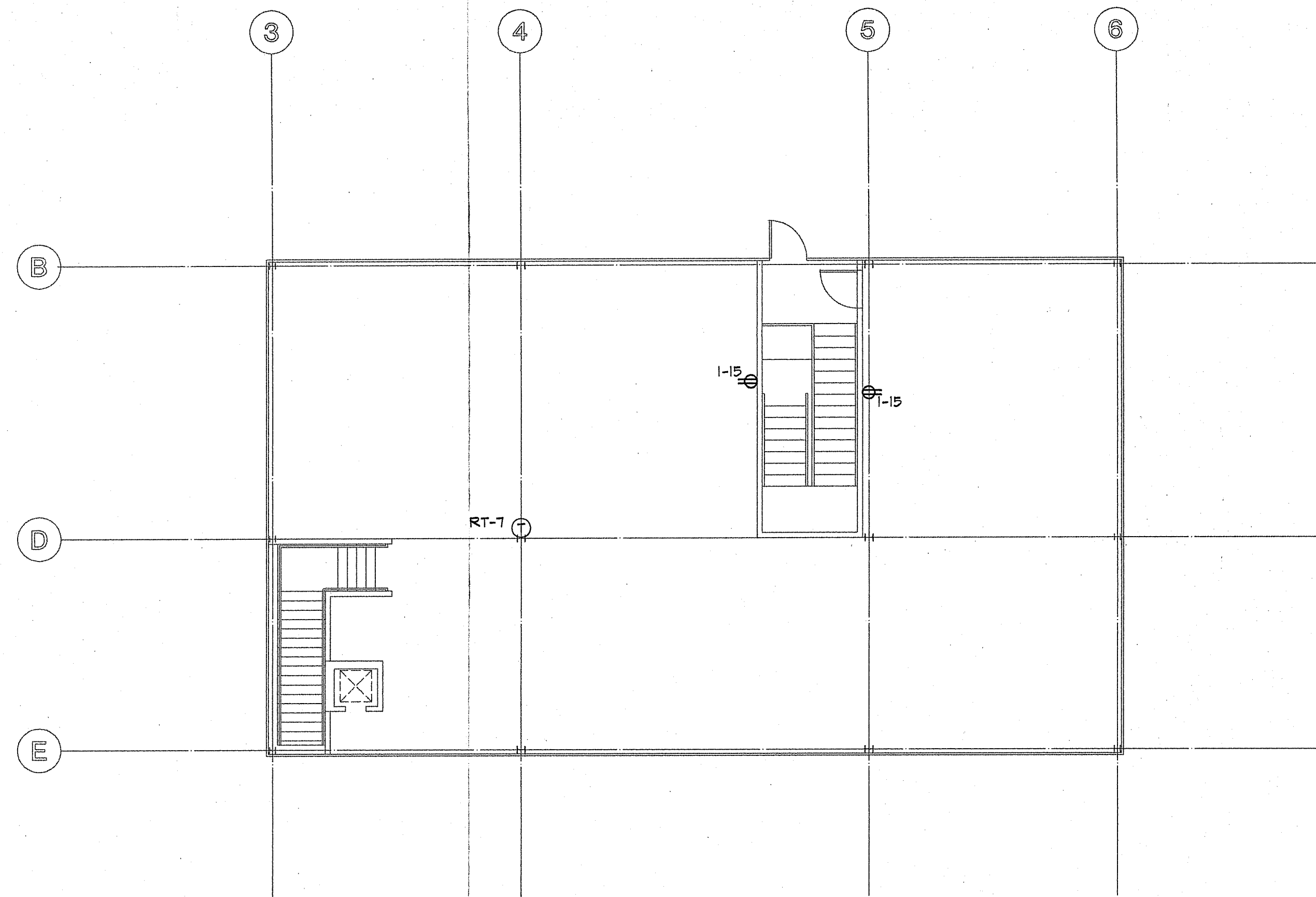
SCALE: 1/4" = 1'-0"

NUCS/GAMMA & MAGNET ROOMS
ROOMS 136, 137, 141, 143 & 144

KEYED NOTES - MAGNET ROOM	
1	EMERGENCY OFF BUTTONS. 3 1/2" DEEP, SINGLE GANG, FLUSH MTD. BOX AT +5'-0" AFF TO CENTER.
2	MAGNET ROOM LIGHTING. PROVIDE POWER TO LIGHT SOURCE IN MAGNET ROOM ROUTED THRU FILTER BOX. TYPICAL OF LIGHTING CIRCUITS.
3	MAGNET - PROVIDE OPENING IN DUCT AT REAR OF THE MAGNET. GROMMET MATERIAL. FIELD VERIFY EXACT LOCATION.
4	16" X 4" DEEP NON-FERROUS SURFACE FLOOR DUCT WITH A REMOVABLE COVER. LOCATE AS SHOWN. PROVIDE PARTITIONS TO SEPARATE HIGH VOLTAGE & LOW VOLTAGE CABLES.
5	16" X 4" DEEP HORIZONTAL NON-FERROUS WALL DUCT WITH REMOVABLE COVER AT +0'-4" AFF TO BOTTOM. PROVIDE PARTITIONS TO SEPARATE HIGH VOLTAGE & LOW VOLTAGE CABLES.
6	COVERS FOR FILTER BOX
7	FILTER BOX. OPENING IN DUCT TO MATCH OPENING IN COVERS. FIELD VERIFY EXACT LOCATION. GROMMET MATERIAL.
8	SERVICE OUTLET. SINGLE GANG J-BOX. HOSPITAL GRADE DUPLEX CONVENIENCE OUTLET WITH COVER PLATE. GE 2500 OR EQUIVALENT.
9	MAIN DISCONNECT. 60 AMP, 3 POLE 208V CIRCUIT BREAKER W/ SHUNT TRIP IN A NEMA 1 ENCLOSURE. LOCATE AT +5'-0" AFF TO CENTER. LOCKABLE IN THE OFF POSITION.
10	12" X 4" DEEP FLUSH FLOOR DUCT WITH A REMOVABLE COVER. COVERPLATE SHALL BE EVEN WITH FINISHED SURFACE. LOCATE AS SHOWN ON PLAN. PROVIDE PARTITIONS TO SEPARATE HIGH VOLTAGE & LOW VOLTAGE CABLES.
11	MRI CABINET. OPENING IN DUCT COVERPLATE. FIELD VERIFY EXACT LOCATION. GROMMET MATERIAL.
12	4" SQUARE JUNCTION BOX FOR CONNECTION TO LASER IMAGER. ROUTE EMPTY 1-1/2" CONDUIT STUBBED UP AND TURNED OUT ABOVE ACCESSIBLE CEILING WITH BUSHED END.
13	JUNCTION BOX W/ 8 FT PIGTAIL. ALL ELECTRICAL CABLE, RUNS, CONNECTIONS BOXES AND PANELS, UP TO AND INCLUDING THIS JUNCTION BOX, ARE PROVIDED BY THE E.C.
14	INSITE TELEPHONE LINES. SINGLE GANG J.B., +2'-0" FLOOR TO CENTER. PROVIDE TWO TELEPHONE LINES FOR INSTALLATION AND SERVICE-ABILITY PURPOSES. ONE LINE MUST BE A DEDICATED DIRECT-DISTANCE-DIALING, VOICE-GRADE TYPE. TELEPHONE LINES ARE TO BE PROVIDED AND PAID FOR BY THE OWNER. ONE 1" CONDUIT FROM J.B. TO ABOVE FINISHED CEILING. COVERPLATE WITH RECEPTACLES FOR TWO TELEPHONE LINES.
15	OPERATOR WORK STATION. OPENING IN DUCT COVERPLATE. FIELD VERIFY EXACT LOCATION. GROMMET MATERIAL.

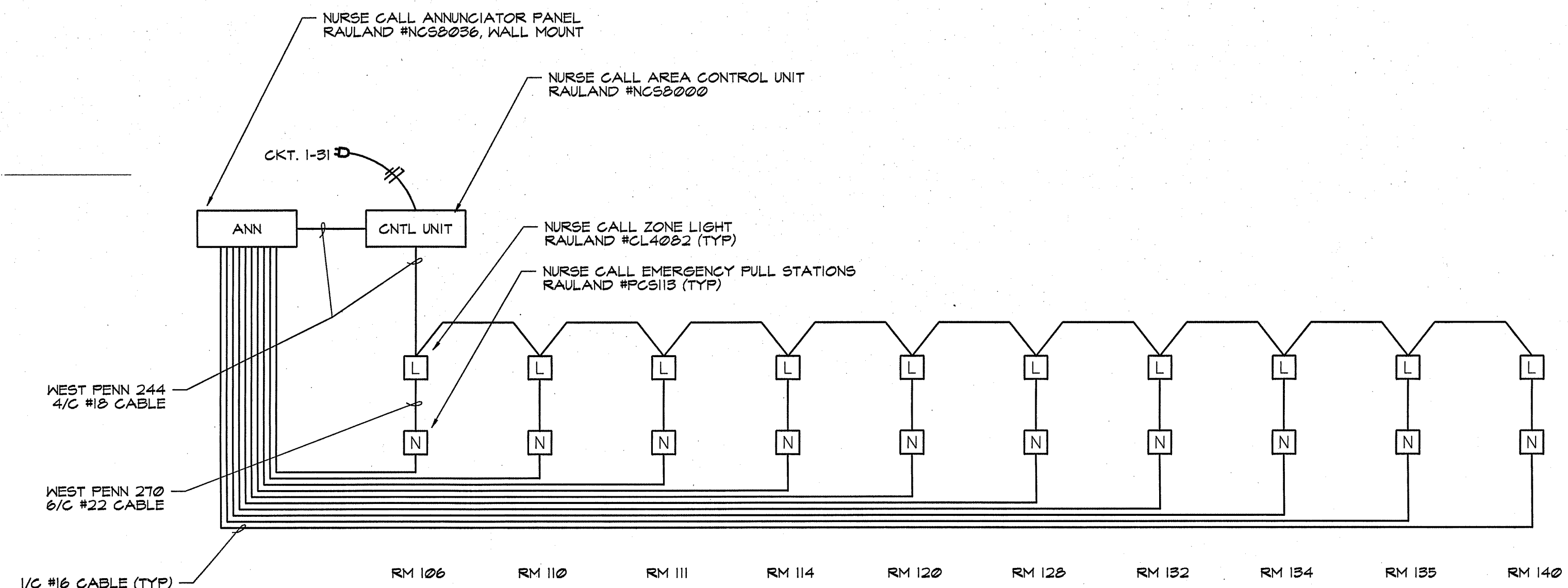
ISSUE	APPD	DESCRIPTION	DATE
1		ISSUED FOR APPENDIX	4/7/97
2		ISSUED FOR STATE REVIEW	2/25/97

PROJ. NO.	4369-96
DWG. NO.	36996433
DATE	12/08/96
SHEET NO.	



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

MECHANICAL EQUIPMENT SCHEDULE										
EQUIP	DESCRIPTION	LOCATION	SIZE	VOLT	FLA	DISC (PS) OR STRTR (CS) AT EQUIP	SOURCE	CONDUIT & CONDUCTORS	REMARKS	
RT-1	ROOF TOP UNIT	ROOF	10 TON	480/3	31	DS-60, FU AT 35A, NEMA 3R	MDP-2	FEEDER F8	CNTL. BY T'STAT	
RT-2	ROOF TOP UNIT	ROOF	7.5 TON	480/3	20.9	DS-30, FU AT 30A, NEMA 3R	MDP-4	FEEDER F9	CNTL. BY T'STAT	
RT-3	ROOF TOP UNIT	ROOF	3 TON	480/3	9.7	DS-30, FU AT 15A, NEMA 3R	MDP-6	FEEDER F10	CNTL. BY T'STAT	
RT-4	ROOF TOP UNIT	ROOF	3 TON	480/3	9.7	DS-30, FU AT 15A, NEMA 3R	MDP-8	FEEDER F11	CNTL. BY T'STAT	
RT-5	ROOF TOP UNIT	ROOF	3 TON	480/3	9.7	DS-30, FU AT 15A, NEMA 3R	MDP-10	FEEDER F12	CNTL. BY T'STAT	
RT-6A	ROOF TOP UNIT	ROOF	3 TON	480/3	9.7	DS-30, FU AT 15A, NEMA 3R	MDP-12	FEEDER F13	CNTL. BY T'STAT	
RT-6B	ROOF TOP UNIT	ROOF	3 TON	480/3	9.7	DS-30, FU AT 15A, NEMA 3R	MDP-14	FEEDER F14	CNTL. BY T'STAT	
RT-7	ROOF TOP UNIT	ROOF	10 TON	480/3	31	DS-60, FU AT 35A, NEMA 3R	MDP-16	FEEDER F15	CNTL. BY T'STAT	
EF-1	EXHAUST FAN	ROOF	1/2 HP	120/1	9.8	MANF.	RP2-39	1/2" C, (2)#12 & (1)#12 GRD	RUN CONTINUOUS	
ILF-1	INLINE FAN	RM 142	1/2 HP	120/1	9.8	MANF.	RPI-35	1/2" C, (2)#12 & (1)#12 GRD		
BH-1A	BASEBD HTR	RM 125	4 KW	208/1	19.2	MANF.	RPI-20	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-1B	BASEBD HTR	RM 104	4 KW	208/1	19.2	MANF.	RP2-30	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-2A	BASEBD HTR	RM 134	2 KW	208/1	9.6	MANF.	RPI-16	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-2B	BASEBD HTR	RM 134	2 KW	208/1	9.6	MANF.	RPI-16	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-2C	BASEBD HTR	RM 126	2 KW	208/1	9.6	MANF.	RP2-22	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-2D	BASEBD HTR	RM 126	2 KW	208/1	9.6	MANF.	RP2-22	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-2E	BASEBD HTR	RM 125	2 KW	208/1	9.6	MANF.	RP2-26	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-2F	BASEBD HTR	RM 125	2 KW	208/1	9.6	MANF.	RP2-26	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
BH-2G	BASEBD HTR	RM 104	2 KW	208/1	9.6	MANF.	RP2-34	1/2" C, (2)#10 & (1)#10 GRD	INTEGRAL T'STAT	
P-1	CIRC. PUMP	RM 142	1/25 HP	120/1		MANF.	RPI-14	1/2" C, (2)#12 & (1)#12 GRD		
GD	GARBAGE DISP	RM 104	1/2 HP	120/1	9.8	MANF.	RP2-33	1/2" C, (2)#12 & (1)#12 GRD		
DW	DUMB WAITER	DUMB WAITER	2 HP	208/3	7.5	MANF.	RPI-24	1/2" C, (3)#12 & (1)#12 GRD		



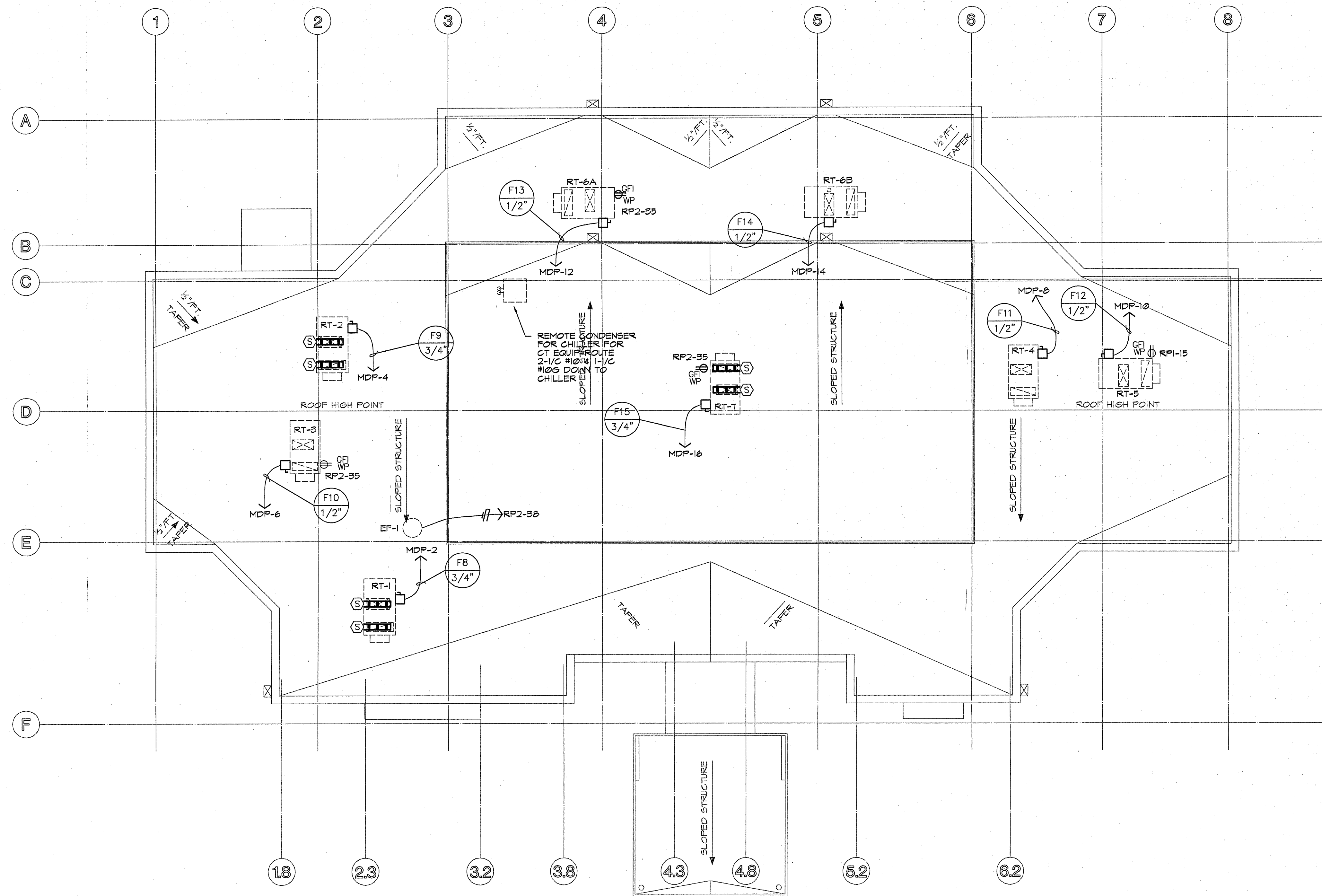
NURSE CALL WIRING DIAGRAM
SCALE: NONE

NOTES:

- REFER TO SHEET E11 FOR ELECTRICAL NOTES, SYMBOL SCHEDULE AND POWER DISTRIBUTION ONE LINE DIAGRAM.
- ALL RECEPTACLE CIRCUITS SHOWN ON THIS SHEET ARE DERIVED FROM PANEL RPI, UNLESS NOTED OTHERWISE.



ISSUE	APPRO	DESCRIPTION	DATE
1		ISSUED FOR APPENDIX	4/7/97
0		ISSUED FOR STATE REVIEW	2/25/97



ELECTRICAL ROOF PLAN **z**
 SCALE: 1/8" = 1'-0"

NOTES:

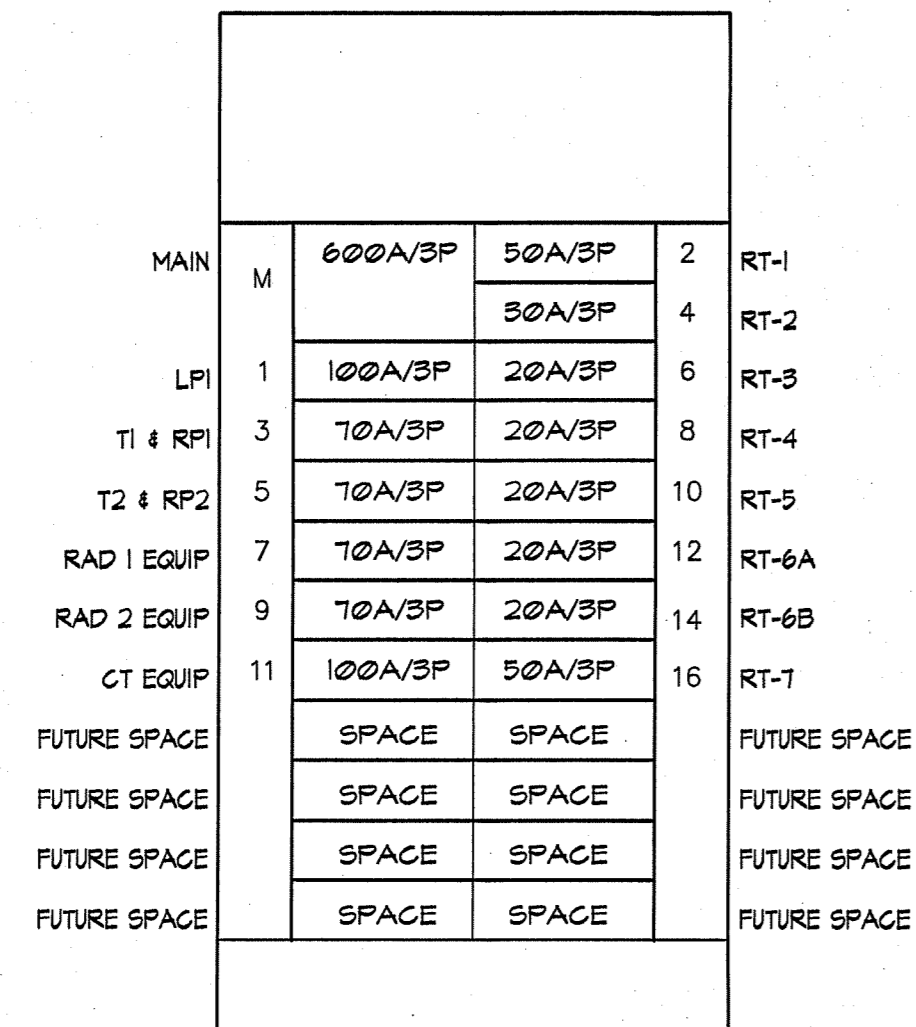
1. REFER TO SHEET E1.1 FOR ELECTRICAL NOTES, SYMBOL SCHEDULE, AND POWER DISTRIBUTION ONE LINE DIAGRAM.
2. REFER TO SHEET E3.4 FOR MECHANICAL EQUIPMENT SCHEDULE.

ISSUE	APPD	DESCRIPTION	DATE
1	0	ISSUED FOR APPENDUM	4/7/97
0	0	ISSUED FOR STATE REVIEW	2/25/97

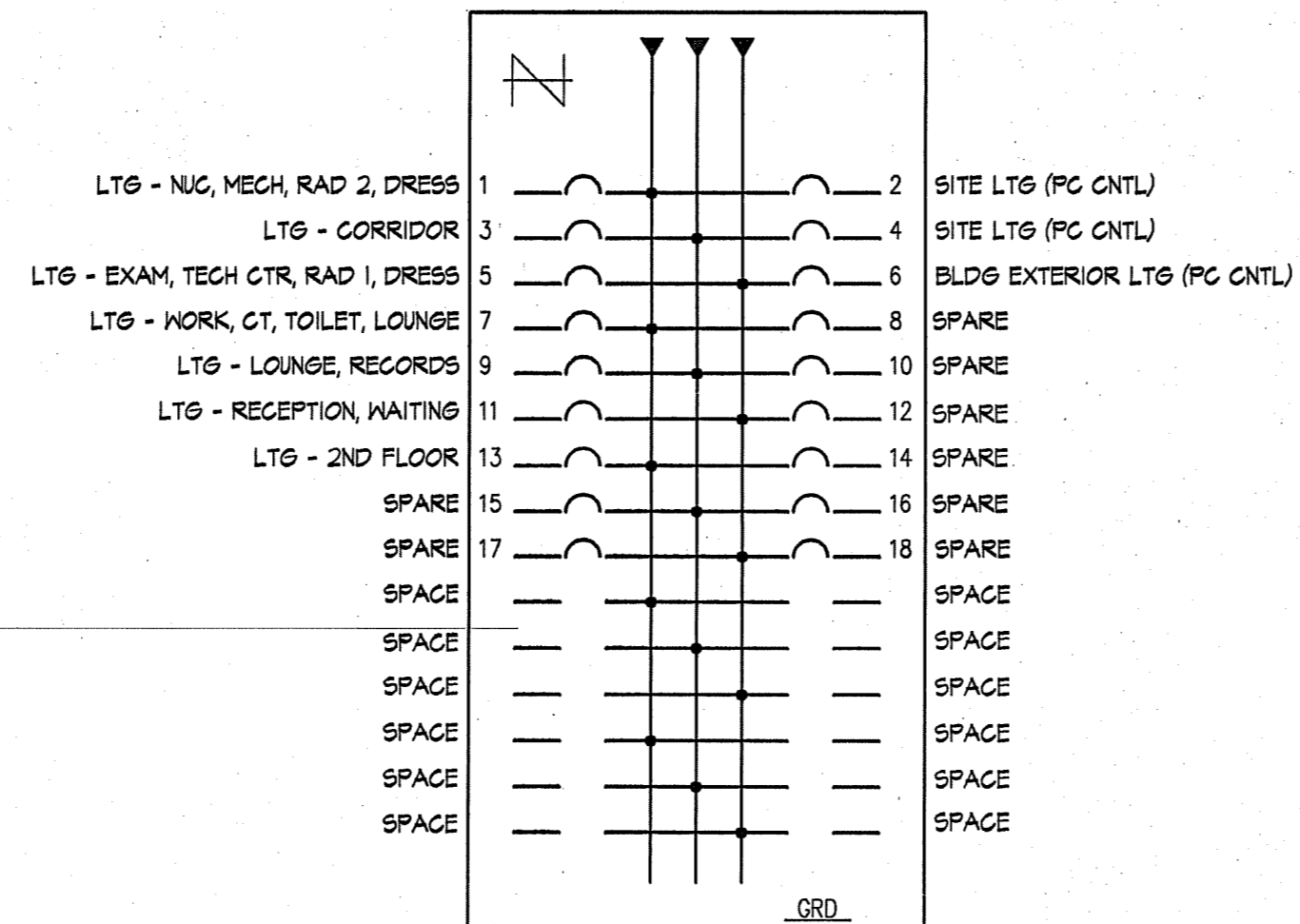
IMAGING CENTER
COLUMBUS IMAGING ASSOCIATES
 CREEKVIEW DRIVE
 COLUMBUS, INDIANA

PROJ. NO.	4369-96
DWG. NO.	36996495
DATE	4/2/97
SHEET NO.	

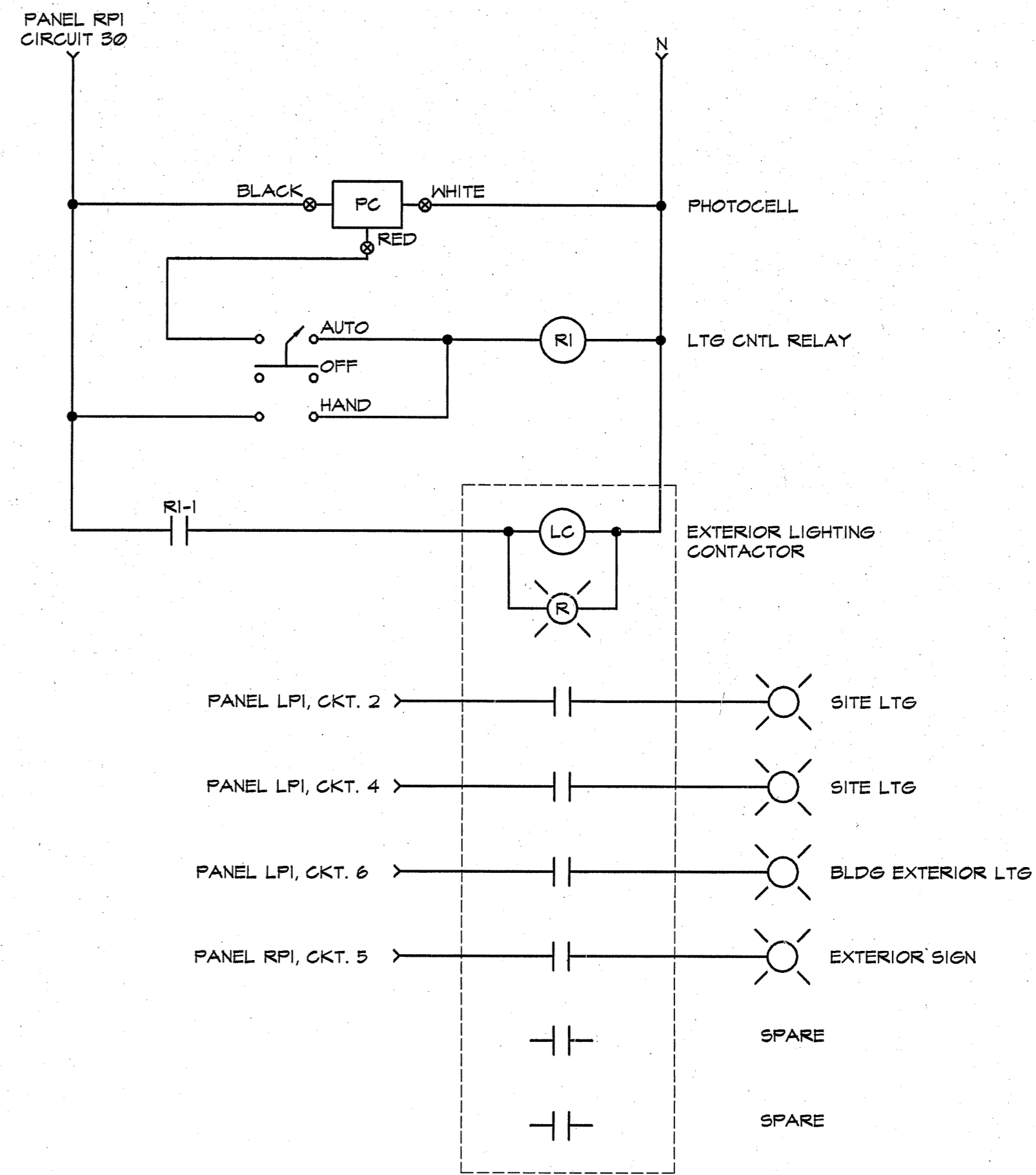
E3.5



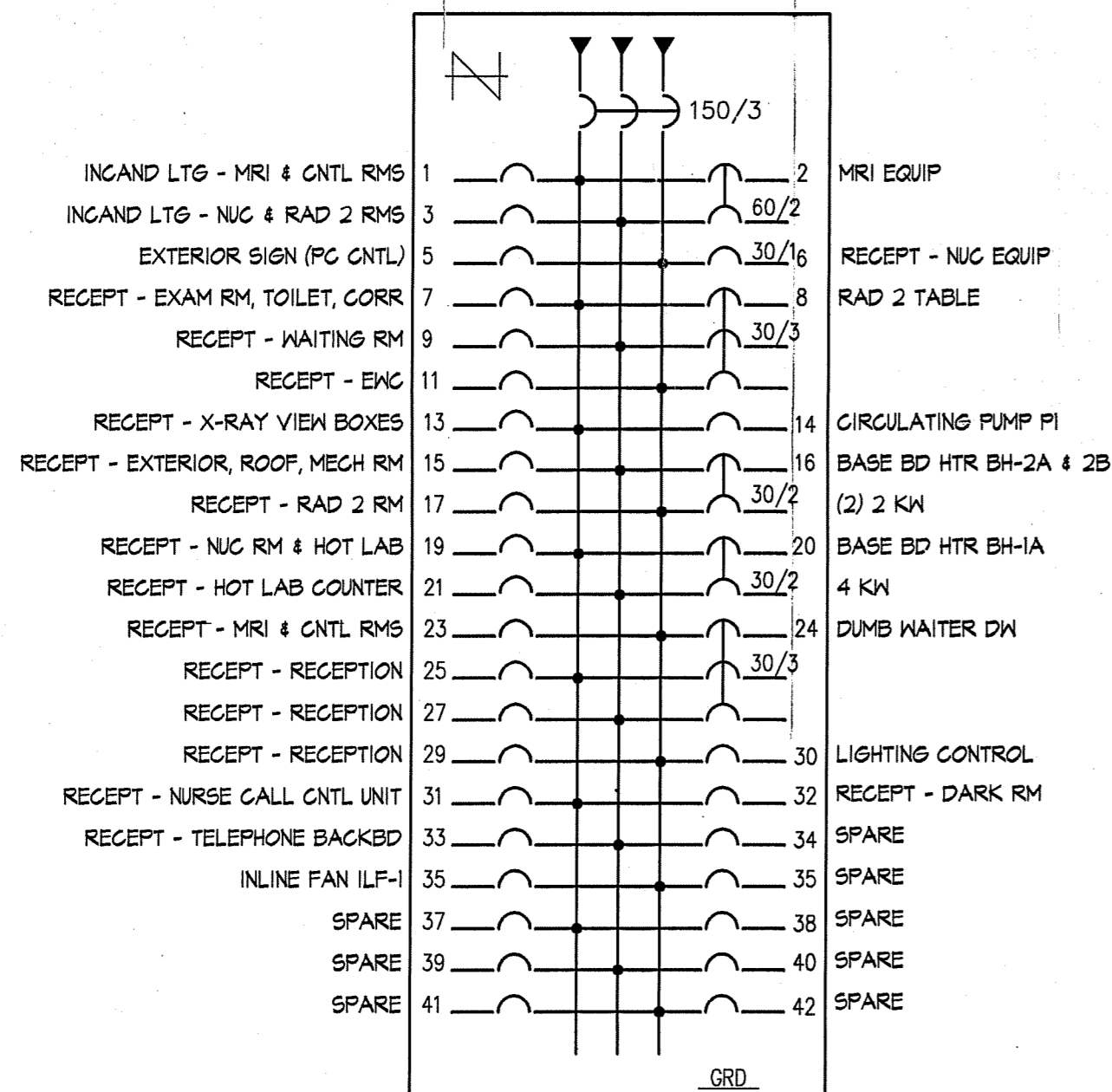
PANEL MDP
600 AMP, 480/277 VOLT
3 PHASE, 4 WIRE



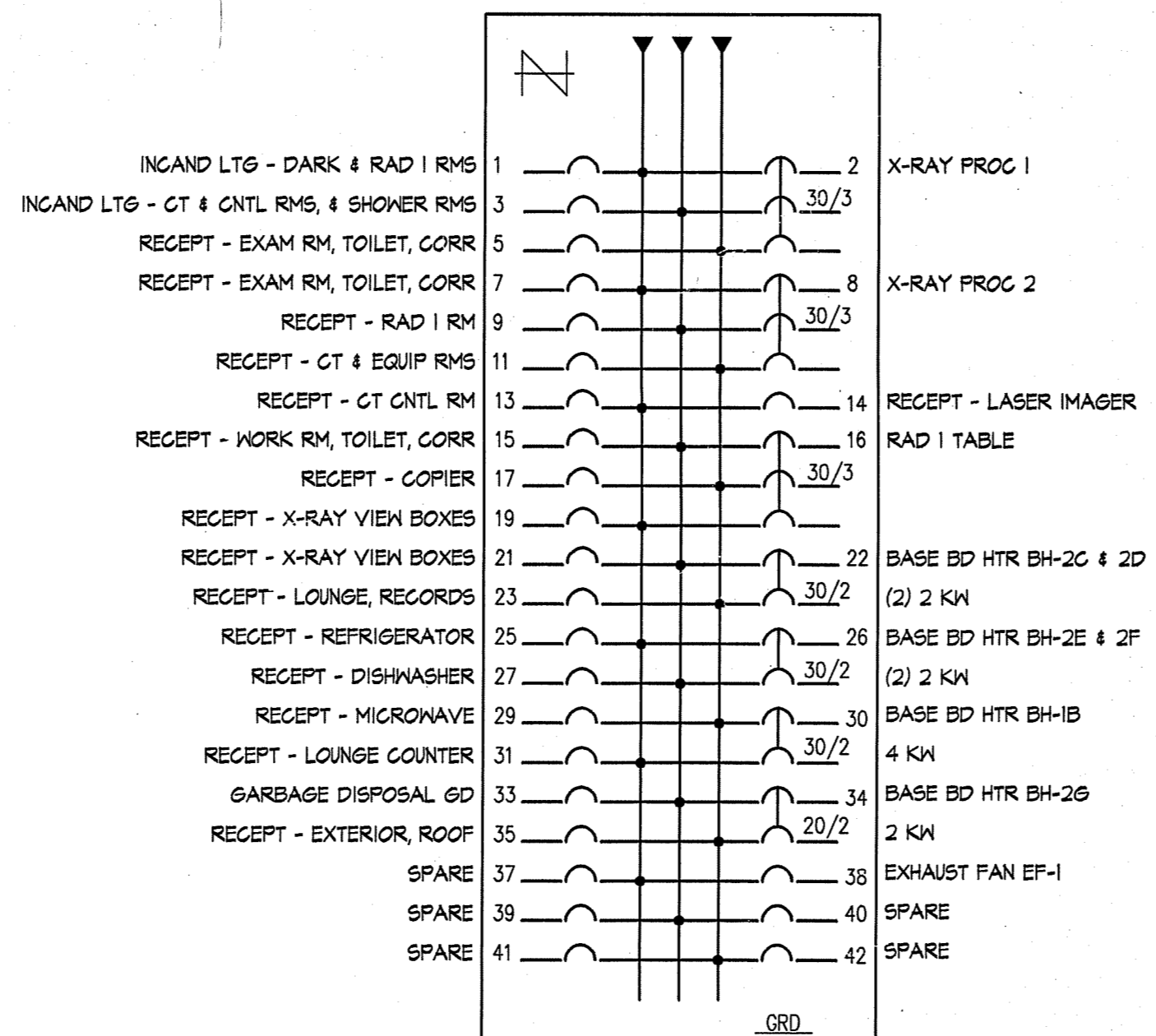
PANEL LP1
100 AMP, 480/277 VOLT
3 PHASE, 4 WIRE



WIRING DIAGRAM
SCALE: NONE
LIGHTING CONTACTOR



PANEL RP1
150 AMP, 208/120 VOLT
3 PHASE, 4 WIRE



PANEL RP2
150 AMP, 208/120 VOLT
3 PHASE, 4 WIRE

ISSUED FOR	DATE
ISSUED FOR ADDENDUM	4/7/97
ISSUED FOR STATE REVIEW	2/25/97
ISSUE	APPD