

ADDENDUM 1

ITB FM 29-18

REPLACEMENT OF 69 VAV BOXES FOR WATER & SEWER DEPARTMENT

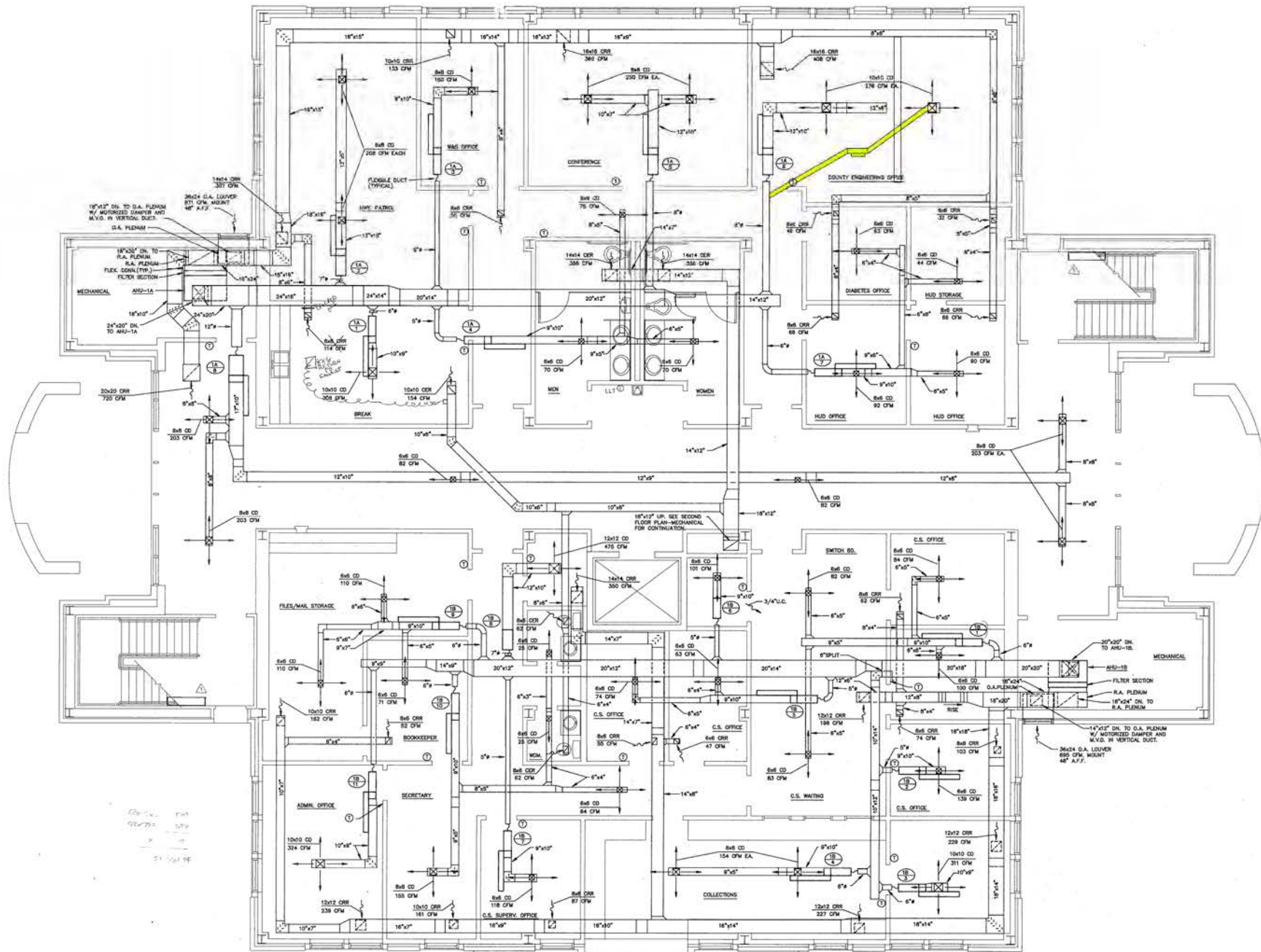
This addendum will address the following changes and questions.

Special Considerations

All work will be performed during regular business hours has been changed to read “all work to be performed during non-business hours (after 5:00 p.m. and on the weekends)”

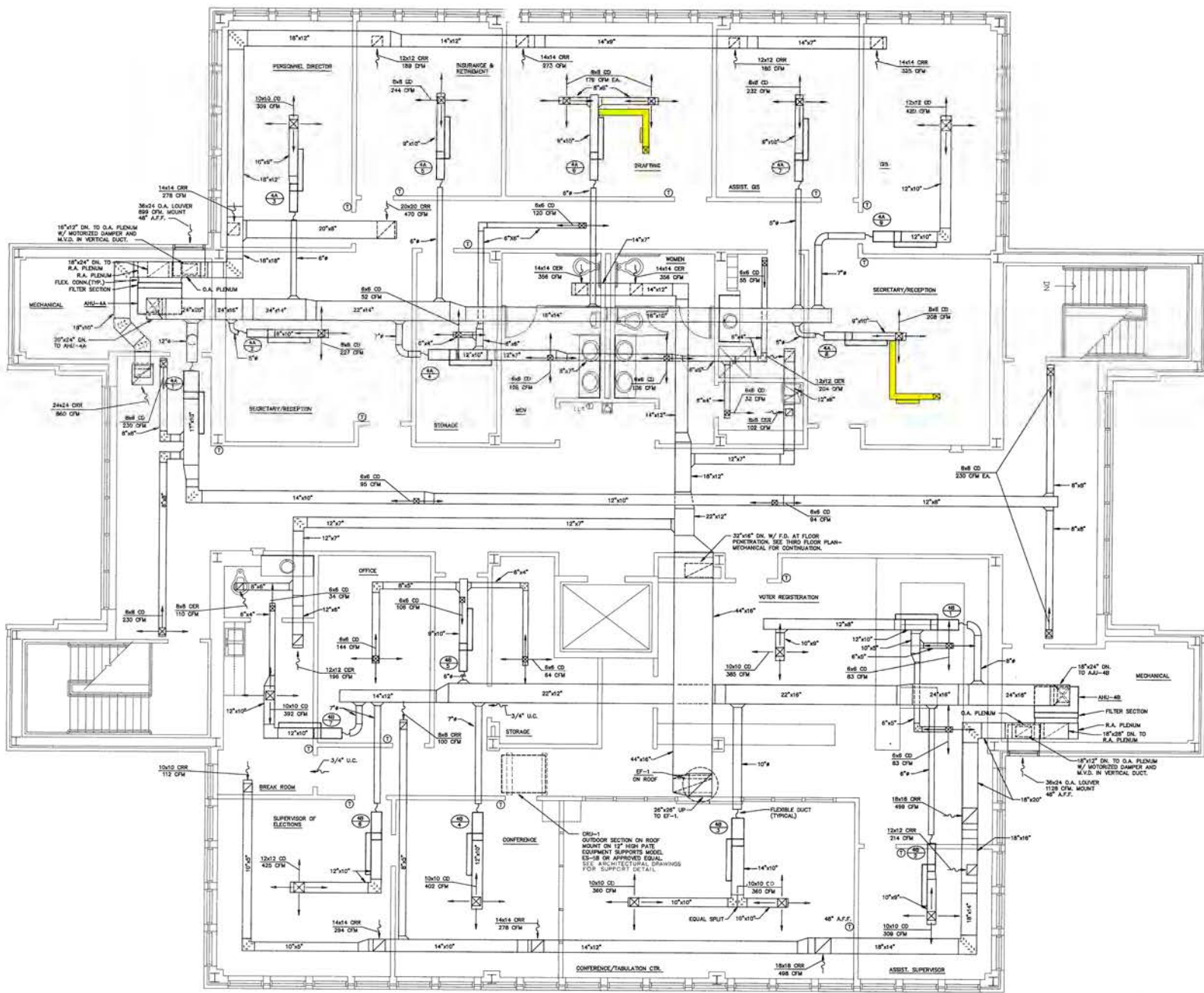
Substantial completion to be 90 calendar days from Notice to Proceed date had been changed to read “substantial completion to be 120 calendar days from Notice to Proceed.”

1. Will there be a staging area provided for the vendor’s equipment and new VAV boxes? Yes, the vendors can either use the mechanical room or the buildings located on street beside the Water and Sewer Building.
2. What happens to the old boxes that are being replaced? Water and Sewer will maintain possession of any old equipment.
3. Who will be responsible for the test and balance of the boxes once they are installed? The Facility Maintenance Department will be handling those items.
4. Are any of the floors secure and will they require any kind of clearance or escort? Yes, the first and fourth floors have some areas that are secure. A Water and Sewer employee will have to escort the vendors into those locations and remain with them at all times.
5. Who will be responsible for moving the furniture and office equipment that might be in the work area? The vendor will be responsible for moving any office equipment, such as desk, tables, chairs and etc. If a computer or other technical equipment needs to be moved, the vendor will need to contract the Water and Sewer department ahead of time to schedule the move.
6. Is there any conflict with a sprinkler system that might be installed in the ceiling? Not that the department is aware of.
7. Where are the boxes located in the building? They are on each floor. Drawings will be provided to all vendors that were at the pre-bid meeting prior to bid due date. These drawings should show exactly where the boxes are located.
8. Will the vendor be responsible for any damage to the roof? Yes, unless prior damage was already noted in that area. If damaged is noted, the vendor should contact Water and Sewer to notify them of the issue.
9. Will the power panels be labeled so that the vendor will know which panels turn off the VAV’s? Yes, SSI will label them prior to the work being done.



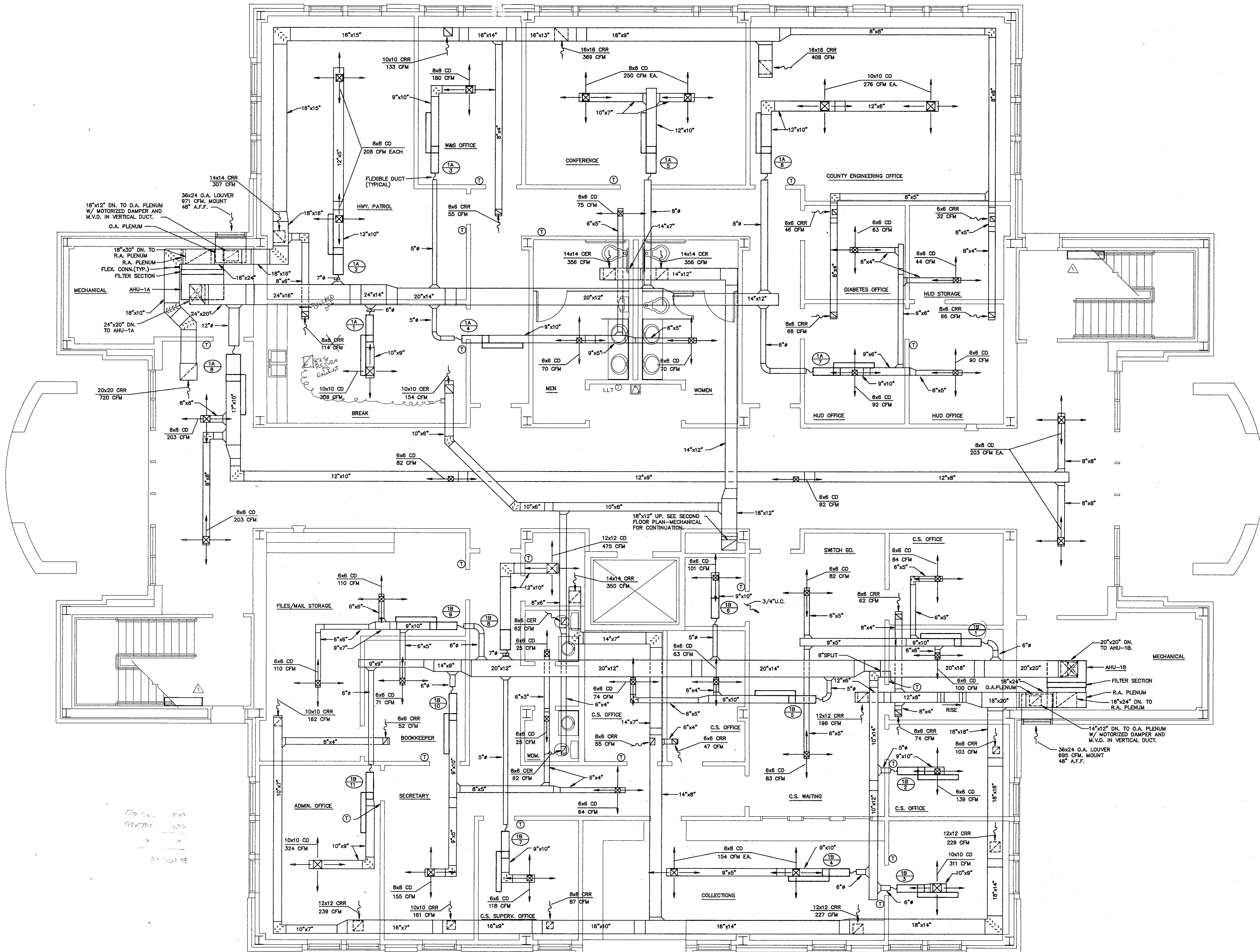
FIRST FLOOR PLAN - MECHANICAL
 1/4"=1'-0" NOTES: 1. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THERMOSTAT 34" A.C.F. TO TOP AND WITHIN 6" OF DOOR UNLESS NOTED OTHERWISE.

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 Sheet Title
 FIRST FL
 PLAN-M
 Sheet No.
M
OF



FOURTH FLOOR PLAN - MECHANICAL
 1/4" = 1'-0" NOTES: 1. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THERMOSTAT 24" A.F.F. AND WITHIN 6" OF DOOR, UNLESS OTHERWISE NOTED.

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PLAN-MEC
 Sheet No.
M-
OF



1/4" = 1'-0"
 9/27/79
 2/1/80

FIRST FLOOR PLAN - MECHANICAL
 1/4"=1'-0" NOTES: 1. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THERMOSTAT 54" A.F.F. TO TOP AND WITHIN 6" OF DOOR UNLESS NOTED OTHERWISE.

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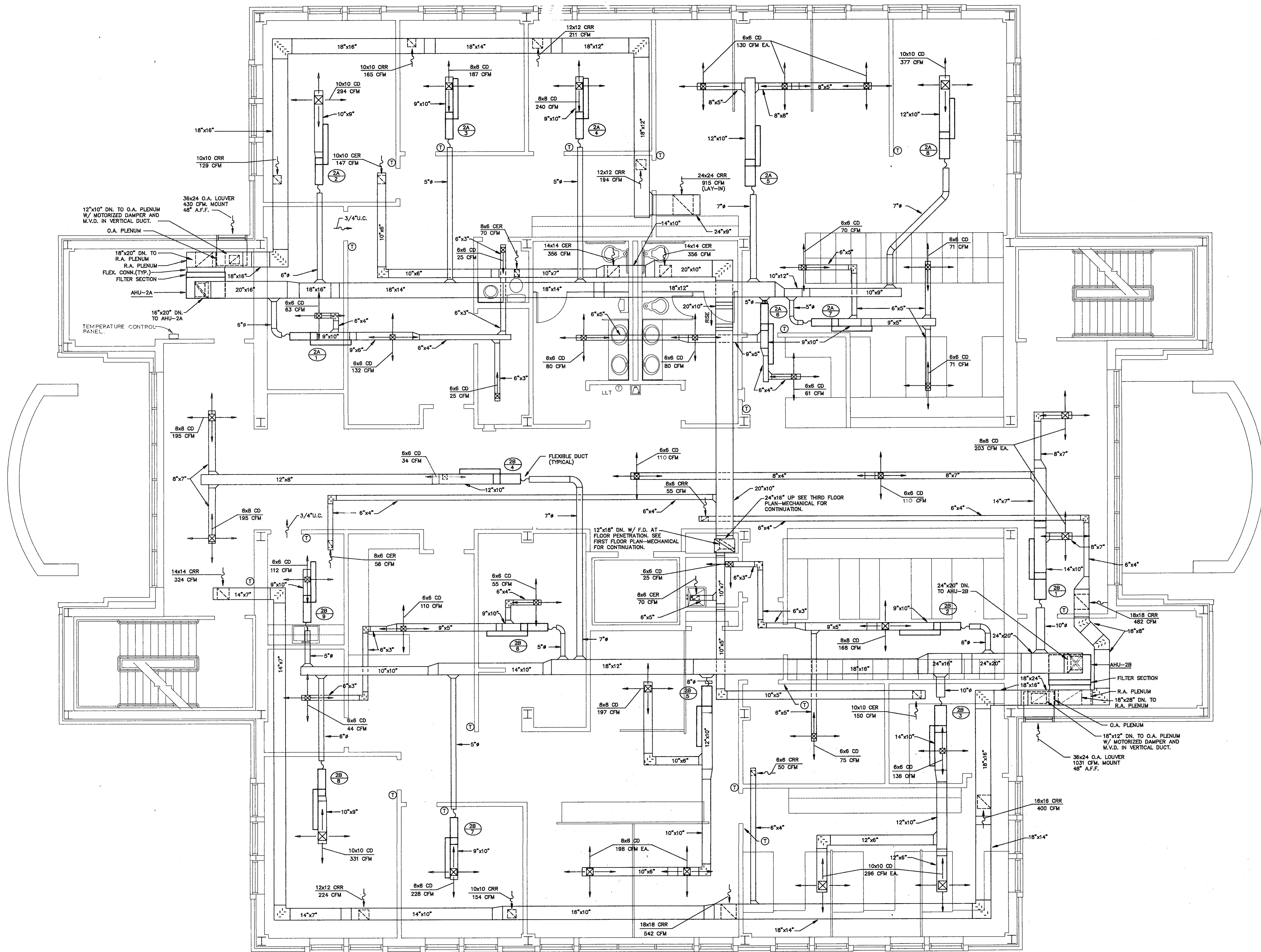
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Sheet title
 FIRST FLOOR
 PLAN-MECHANICAL

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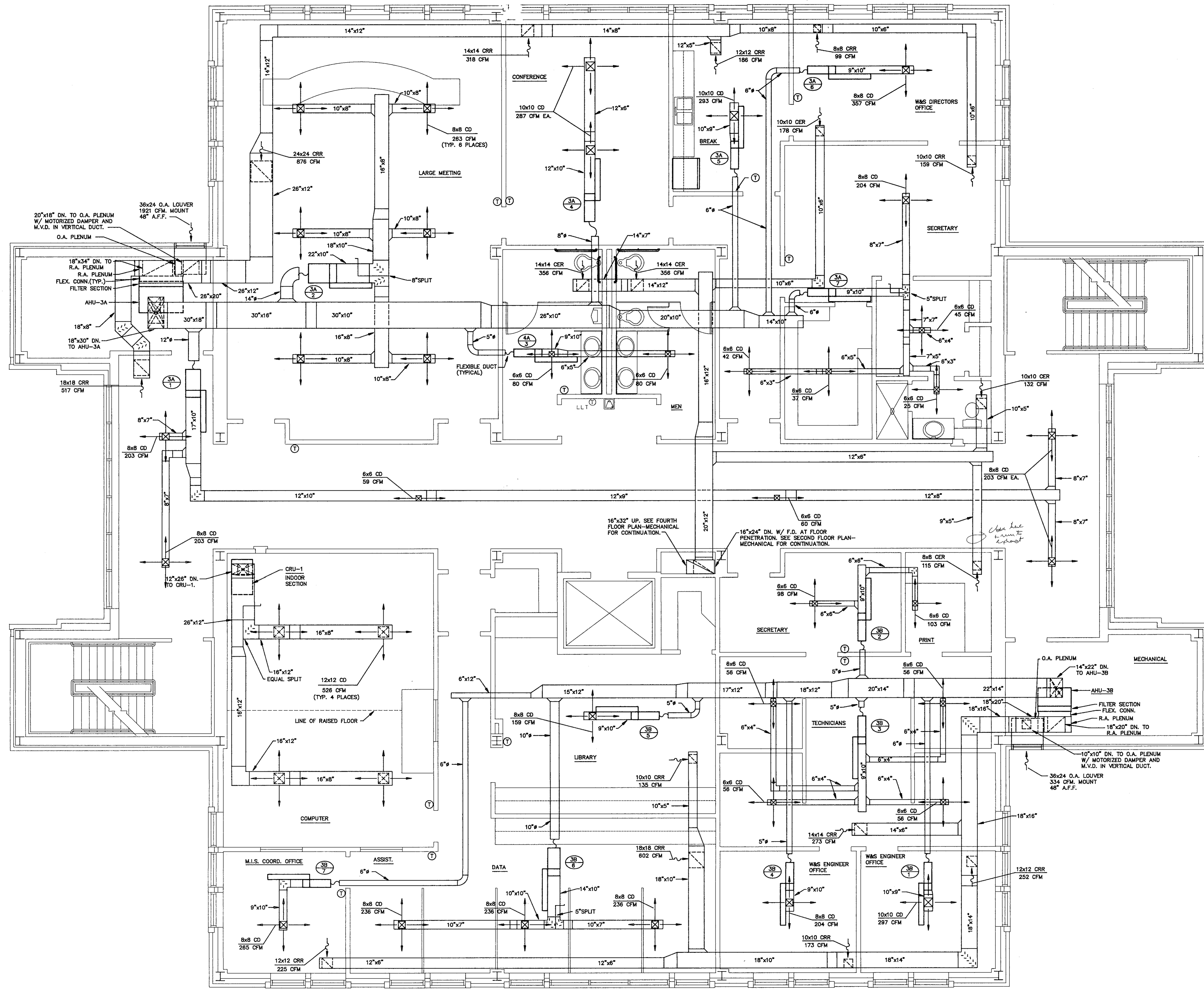



SECOND FLOOR PLAN - MECHANICAL
 1/4" = 1'-0" NOTES: 1. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THERMOSTAT 54" A.F.F. AND WITHIN 6" OF DOOR, UNLESS OTHERWISE NOTED.

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 SECOND FLOOR PLAN-MECHANICAL
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N **THIRD FLOOR PLAN - MECHANICAL**
 1/4" = 1'-0" NOTES: 1. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THERMOSTAT
 54" A.F.F. AND WITHIN 6" OF DOOR, UNLESS OTHERWISE NOTED.

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Sheet title
 THIRD FLOOR
 PLAN-MECHANICAL

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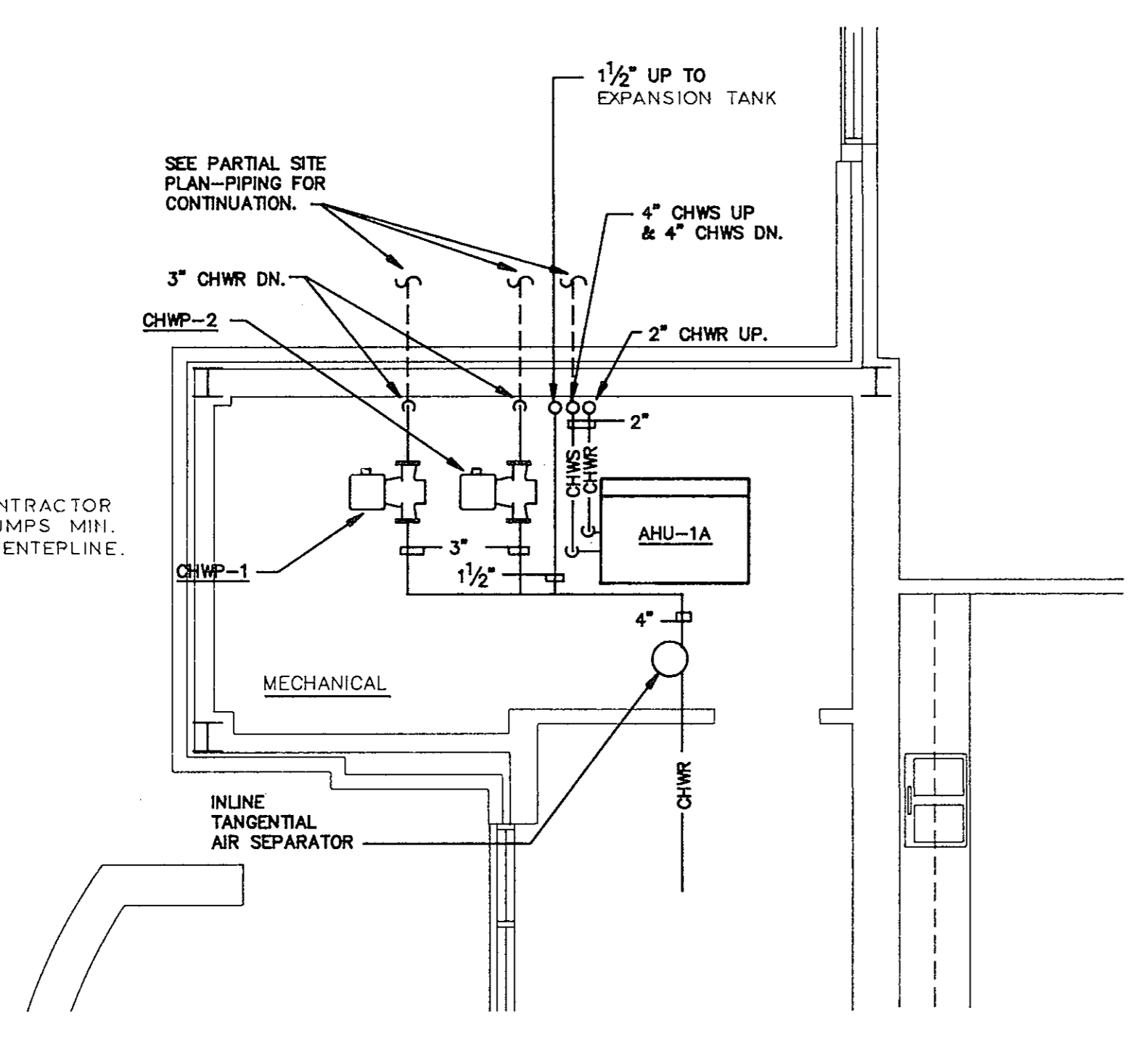
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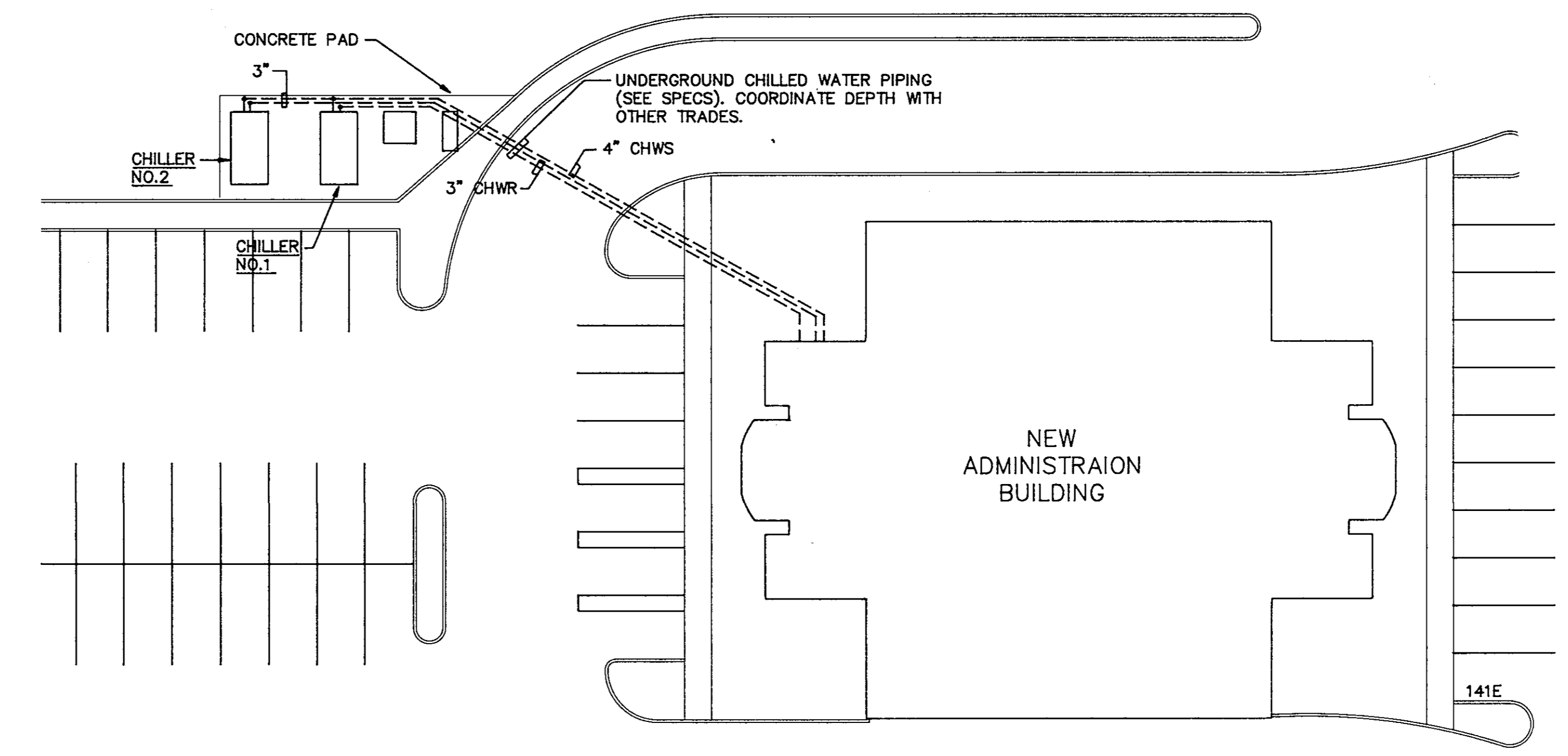
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Sheet title
 FIRST AND SECOND FLOOR PLANS-PIPING

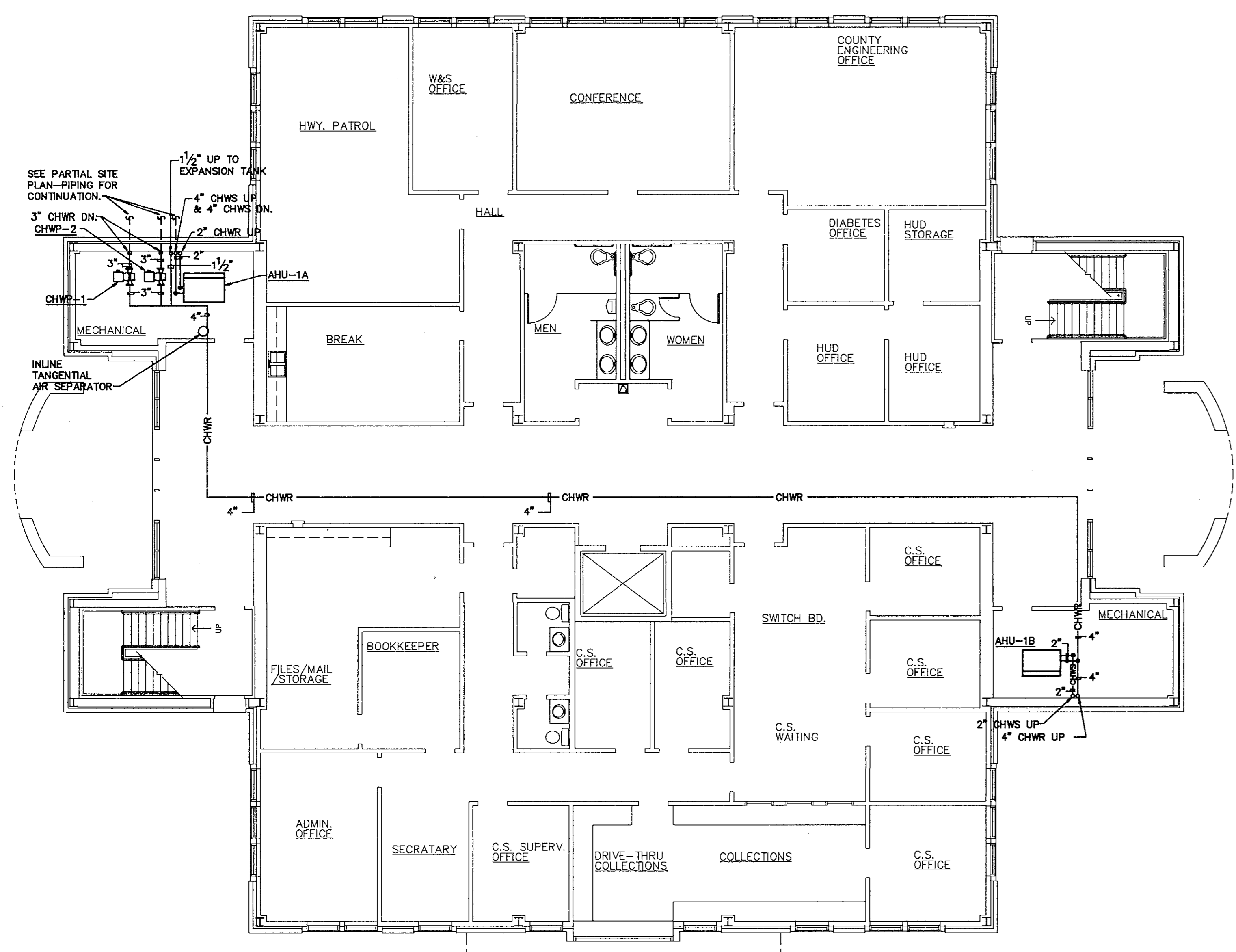
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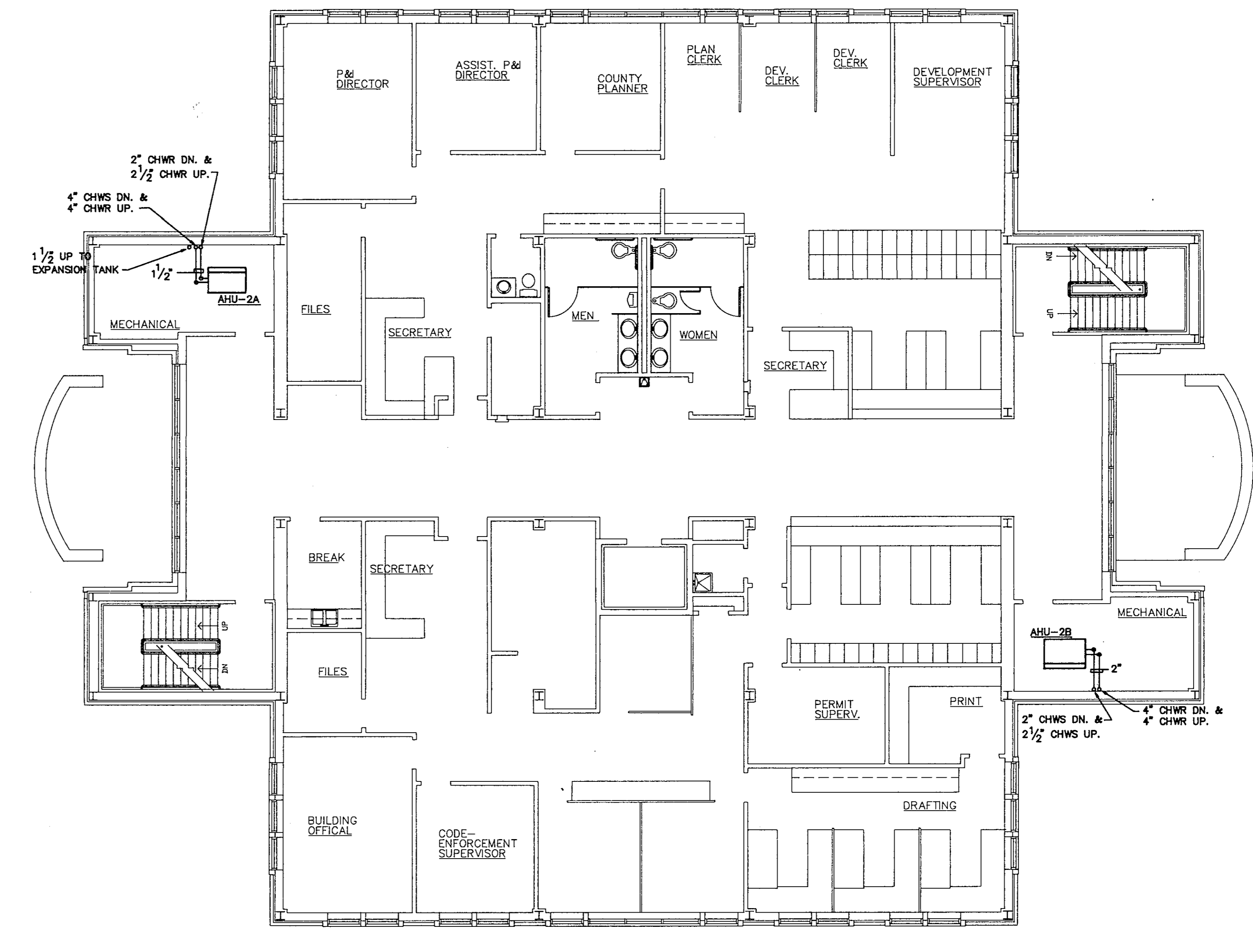
ENLARGED MECHANICAL ROOM #102
 1/4" = 1'-0"



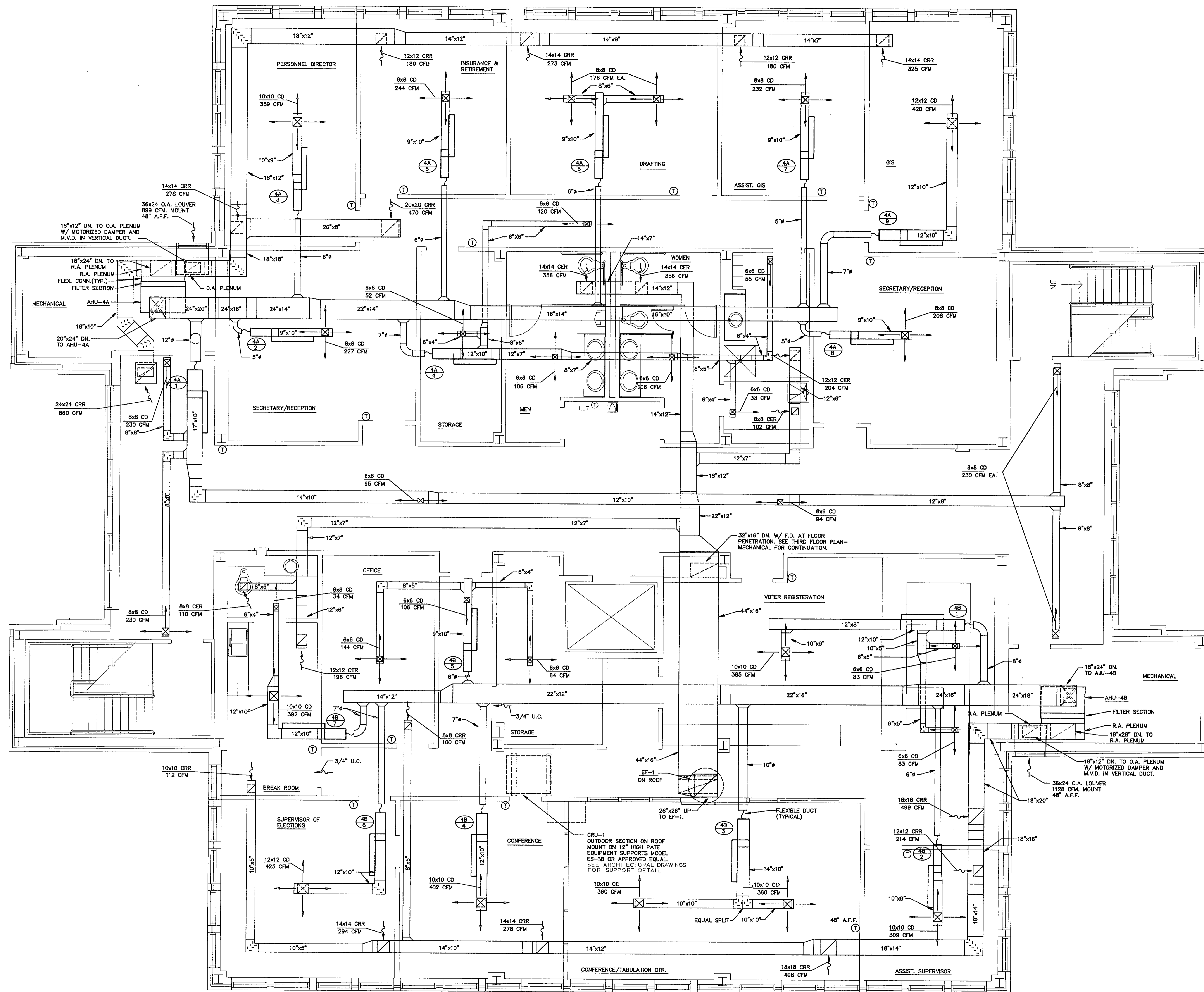
PARTIAL SITE PLAN - PIPING
 1" = 20'-0"



FIRST FLOOR PLAN - PIPING
 1/8" = 1'-0"



SECOND FLOOR PLAN - PIPING
 1/8" = 1'-0"



FOURTH FLOOR PLAN - MECHANICAL
 1/4" = 1'-0" NOTES: 1. MECHANICAL CONTRACTOR SHALL FURNISH AND INSTALL THERMOSTAT 54" A.F.F. AND WITHIN 6" OF DOOR, UNLESS OTHERWISE NOTED.

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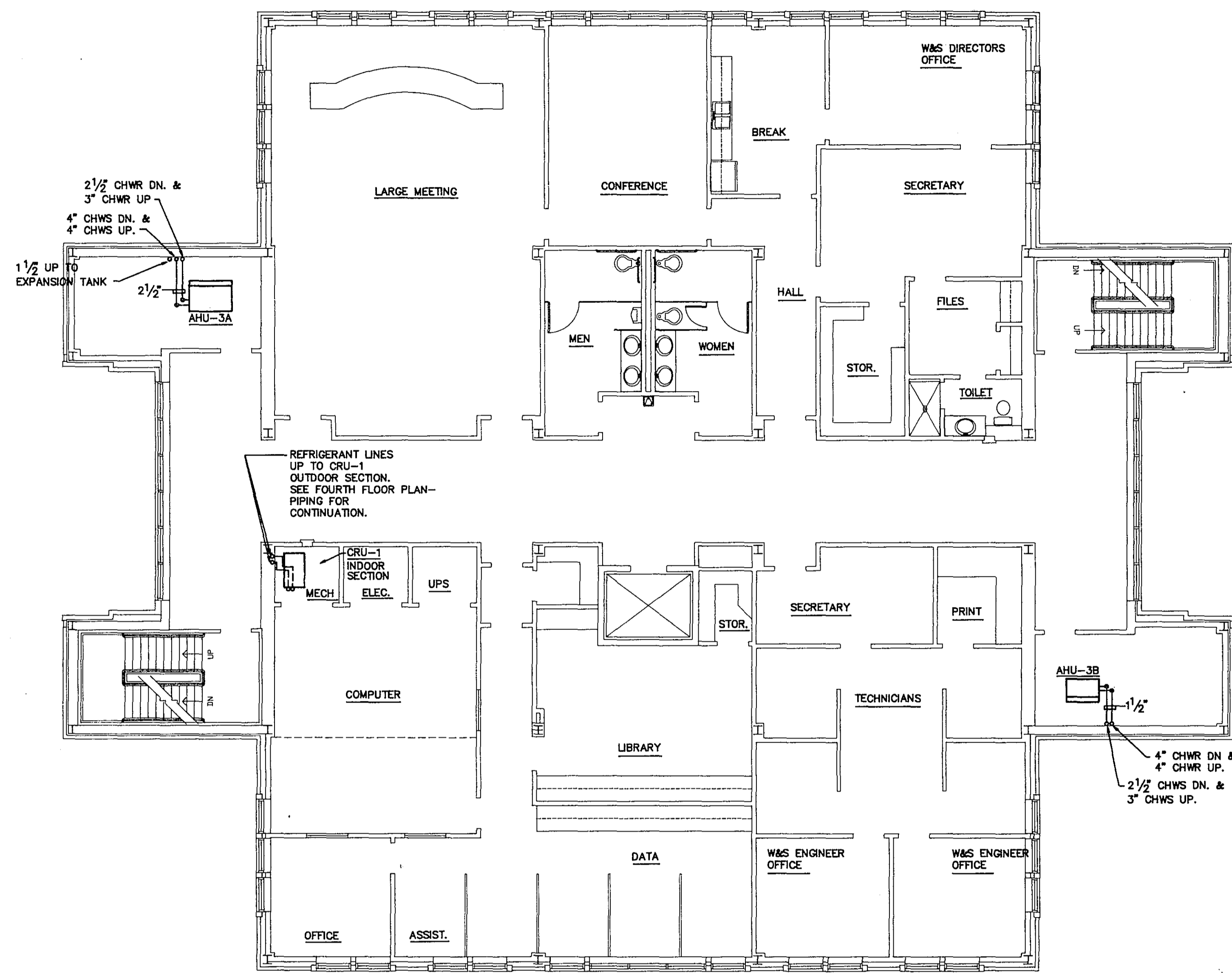
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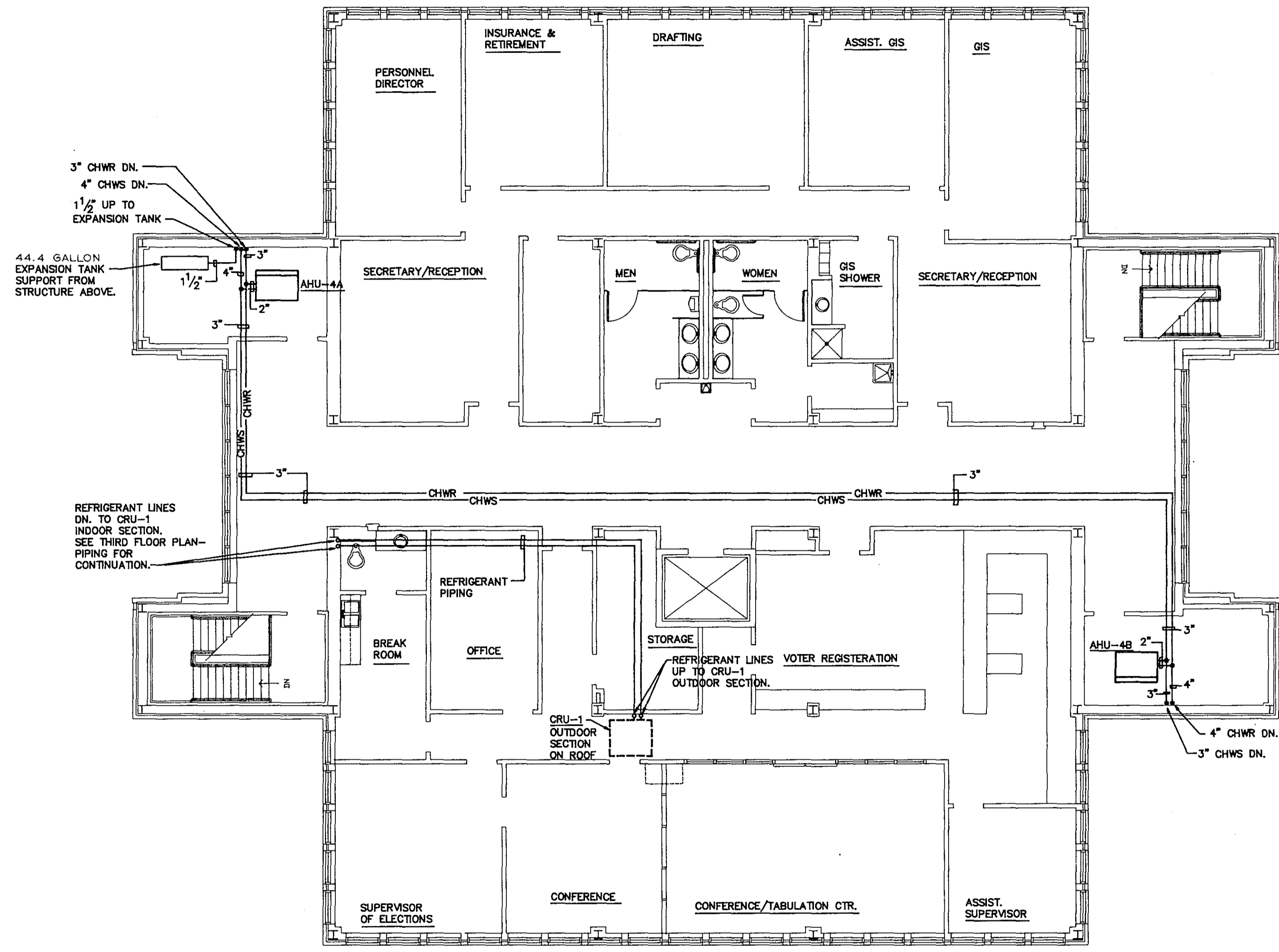
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 FOURTH FLOOR PLAN-MECHANICAL

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N THIRD FLOOR PLAN - PIPING
1/8" = 1'-0"



N FOURTH FLOOR PLAN - PIPING
1/8" = 1'-0"

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THIRD AND FOURTH
FLOOR PLANS-
PIPING

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COMPUTER ROOM AIR-CONDITIONER UNIT SCHEDULE

UNIT NUMBER	EVAPORATOR-BLOWER UNIT										AIR-COOLED CONDENSER					REMARKS		
	AIR FLOW CFM		EXT. STATIC PRESS. IN H ₂ O	AMBIENT TEMP. °F	ENT. AIR TEMP.		TOTAL CAP. BTUH	SENS. CAP. BTUH	REHEAT CAP. KW	ELECTRICAL HUMIDIFIER CAP. LBS/HR (KW)	UNIT R.L.A.	POWER		COND. FAN HP	VOLTS		PHASE	HZ.
TOTAL	O.A.	*F D.B.			*F W.B.	FAN H.P.						UNIT NUMBER						
CRU-1 INDOOR UNIT	2100	---	.5	85	72	80	36,050	32,450	0.8	10.0 LBS/HR 9.4 KW	17.9	1 1/2 HP 480/3/60	CRU-1 OUTDOOR UNIT	1/3 HP	480	3	60	EQUAL TO AIRFLOW COMPANY CCT-3A DATA CENTER AIR CONDITIONER MATCHED WITH A MODEL AC-8 REMOTE CONDENSER. FURNISH COMPLETE WITH ELECTRIC HEAT, ELECTRIC HUMIDIFIER, BOX EFF. FILTERS, MAIN POWER DISCONNECT, HOT GAS BYPASS, SMOKE DETECTOR, FLOOR STAND AND MICROPROCESSOR TEMPERATURE CONTROLS.

PACKAGED AIR-COOLED CHILLER SCHEDULE

UNIT NUMBER	MINIMUM CAPACITY TONS	GPM	CHILLED WATER					POWER					REMARKS	
			ENT. TEMP. °F	LVS. AIR TEMP. °F	AMBIENT AIR TEMP. °F	MAXIMUM PD FT. WATER	SCALE FACTOR	COMPR. NUMBER	COMPR. R.L.A.	FANS NUMBER F.L.A.	VOLTS	PHASE		HZ.
CHILLER NO. 1	45.7	120	53.1	44.0	95	11.3	.00025	2	1 @ 32.4 1 @ 46.8	6 @ 2.3 EACH	480	3	60	EQUAL TO CARRIER MODEL 3068045 PACKAGED AIR-COOLED CHILLER. FURNISH COMPLETE WITH CHILLED WATER FLOW SWITCH, OIL SAFETY SWITCH (EA. COMPRESSOR), GAGE PANELS (EACH CIRCUIT), CAPACITY REDUCTION TO 20% FULL LOAD AND CAPABLE OF OPERATION AT 0°F AMBIENT.
CHILLER NO. 2	45.7	120	53.1	44.0	95	11.3	.00025	2	1 @ 32.4 1 @ 46.8	6 @ 2.3 EACH	480	3	60	EQUAL TO CARRIER MODEL 3068045 PACKAGED AIR-COOLED CHILLER. FURNISH COMPLETE WITH CHILLED WATER FLOW SWITCH, OIL SAFETY SWITCH (EA. COMPRESSOR), GAGE PANELS (EACH CIRCUIT), CAPACITY REDUCTION TO 20% FULL LOAD AND CAPABLE OF OPERATION AT 0°F AMBIENT.

AIR HANDLING UNIT SCHEDULE

UNIT NUMBER	AIR HANDLING UNIT FAN										AIR HANDLING UNIT COOLING COIL										REMARKS	
	TOTAL AIR CFM	MIN. AIR CFM	MAX. AIR CFM	TYPE UNIT	TYPE FAN	APPROX. TOT. S.P. INCHES H ₂ O	FAN MOTOR H.P.	VOLTS	PHASE	HZ.	FACE VELOCITY F.P.M.	MIN. CAPACITY B.T.U.H.	ENT. AIR °F	LVS. AIR °F	CHILLED WATER GPM	ENT. TEMP. °F	LVS. WATER SIDE PD FT. WATER	AIR SIDE PD INCH WATER				
AHU-1A	3290	971	971	VERT. DRAW THRU	FC	2.79	3	480	3	60	550	143780	80.6	67.0	52.4	52.2	31.4	45	57	3.55	.87	EQUAL TO CARRIER MODEL 39LD08S. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.
AHU-1B	2739	695	695	VERT. DRAW THRU	FC	2.72	3	480	3	60	550	110381	79.7	66.0	52.4	52.2	23.9	45	57	2.05	.76	EQUAL TO CARRIER MODEL 39LD08L. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.
AHU-2A	2043	430	430	VERT. DRAW THRU	FC	2.60	2	480	3	60	550	78079	79.0	65.3	52.2	52.1	16.2	45	57	1.45	.67	EQUAL TO CARRIER MODEL 39LD06S. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.
AHU-2B	3259	1031	1031	VERT. DRAW THRU	FC	2.83	3	480	3	60	550	143538	80.9	67.1	52.4	52.2	31.2	45	57	3.50	.86	EQUAL TO CARRIER MODEL 39LD08S. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.
AHU-3A	4076	1921	1921	VERT. DRAW THRU	FC	2.83	5	480	3	60	550	219020	84.0	69.9	52.6	52.3	50.1	45	57	6.31	.94	EQUAL TO CARRIER MODEL 39LD08L. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.
AHU-3B	1994	334	334	VERT. DRAW THRU	FC	2.58	2	480	3	60	550	69813	77.9	64.4	52.4	52.2	18.7	45	57	2.54	.99	EQUAL TO CARRIER MODEL 39LD03L. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.
AHU-4A	3474	899	899	VERT. DRAW THRU	FC	2.81	5	480	3	60	555	140883	79.8	66.0	52.3	52.1	31.6	45	57	3.59	.94	EQUAL TO CARRIER MODEL 39LD08S. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.
AHU-4B	3123	1128	1128	VERT. DRAW THRU	FC	2.74	3	480	3	60	550	147655	81.4	68.1	52.6	52.3	36.0	45	57	4.32	.97	EQUAL TO CARRIER MODEL 39LD08L. FURNISH COMPLETE WITH FORWARD CURVED FAN, HIGH VELOCITY FILTER SECTION, TWO (2) SETS OF FARR 30/30 FILTERS, AND SPRING VIBRATION ISOLATORS.

FAN SCHEDULE

FAN NUMBER	TOTAL AIR C.F.M.	DESCRIPTION: BD-BELT DRIVE DD-DIRECT DRIVE	APPROX. ROOF OPENING IN	FREE AIR SONES @ 5'	MAX. TIP SPEED FPM	APPROX. EXT. S.P. INCH WATER	MAX. MOTOR H.P.	POWER			CONTROL INTERLOCK	REMARKS
								VOLTS	PHASE	HZ.		
EF-1	4856	BD-CENTRIFUGAL ROOF EXHAUST	26 1/2" SQ.	14.1	5001	.75	1 1/2	480	3	60	WITH TIME CLOCK (SEE CONTROLS)	EQUAL TO GREENHECK MODEL 68-220-15. FURNISH COMPLETE WITH DISCONNECT, BACKDRAFT DAMPER, BIRDSCREEN AND ROOF CURB.

PUMPS SCHEDULE

PUMP NUMBER	SERVICE	PUMP DESCRIPTION	MINIMUM G.P.M.	APPROX. HEAD FT. OF WATER	MIN. OPER. EFFICIENCY %	MAXIMUM R.P.M.	MOTOR				REMARKS
							APPROX. H.P.	VOLTS	PHASE	HZ.	
CHWP-1 CHWP-2	CHILLED WATER	INLINE CENTRIFUGAL	120	60	62.6	1750	5	480	3	60	EQUAL TO BELL & GOSSETT SERIES 80 SIZE 2 1/2 x 2 1/2 x 9.5B.

CABINET UNIT HEATER SCHEDULE

UNIT NUMBER	HEAT OUTPUT (KW)			AIR FLOW CFM		FAN RPM		POWER					REMARKS	
	LOW	HIGH	TOTAL	LOW	HIGH	LOW	HIGH	KW.	MOTOR	TOTAL F.L.A.	VOLTS	PHASE		HZ.
△	3	6	6	300	400	1150	1450	6.0	1/8 HP	22.8	277	1	60	EQUAL TO BERKO MODEL CUH-4 CABINET UNIT HEATER. FURNISH COMPLETE WITH "OFF-HEAT-FAN" AND "LOW-HIGH" SWITCHES, CIRCUIT BREAKER, AND UNIT MOUNTED THERMOSTAT. UNIT SHALL BE "FITO" DISCHARGE ARRANGEMENT.

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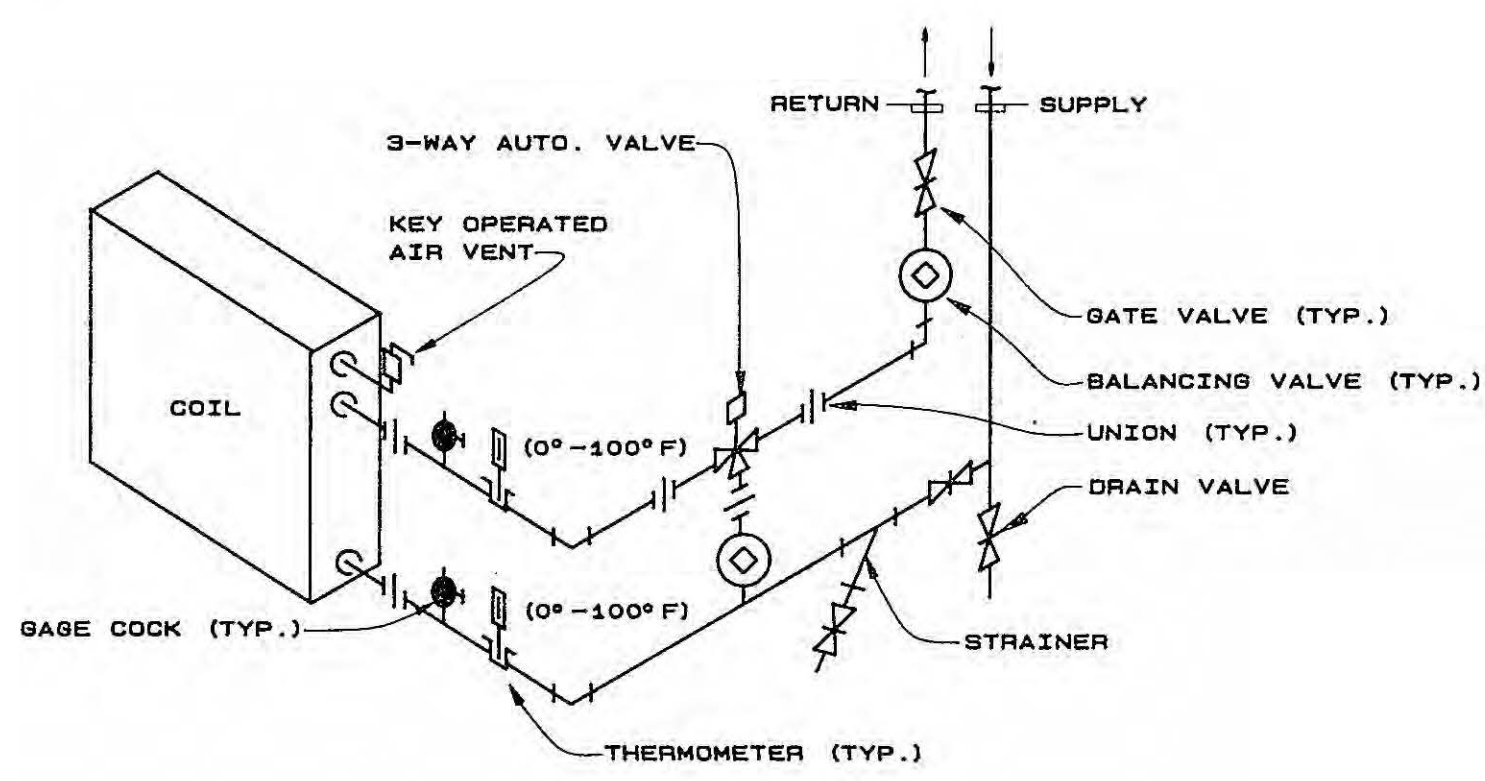
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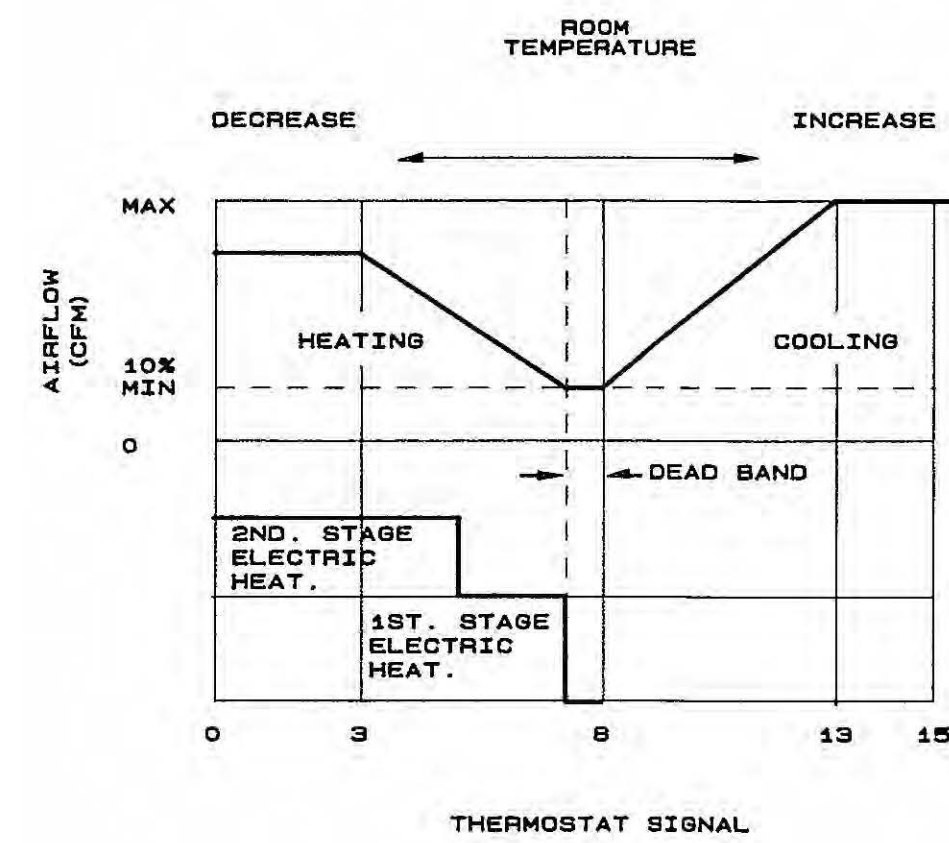
Sheet title
MECHANICAL SCHEDULES

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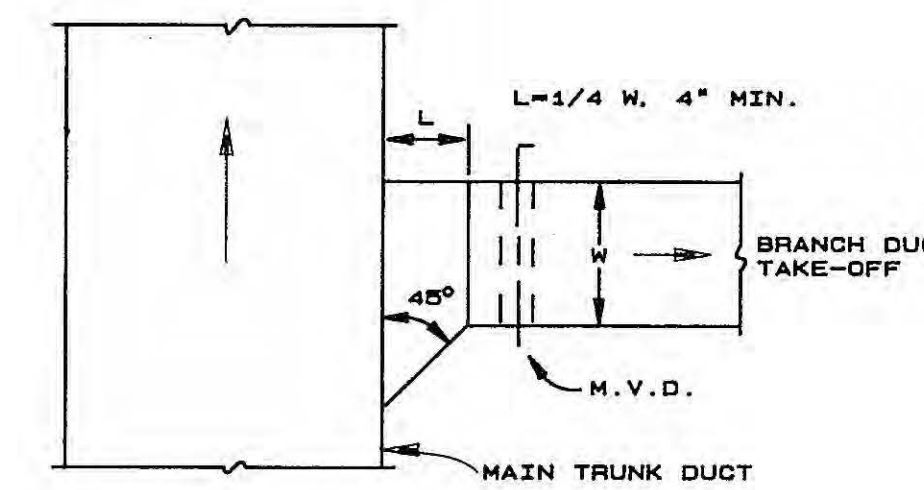
CHILLED WATER COIL CONNECTIONS DETAIL

N.T.S.



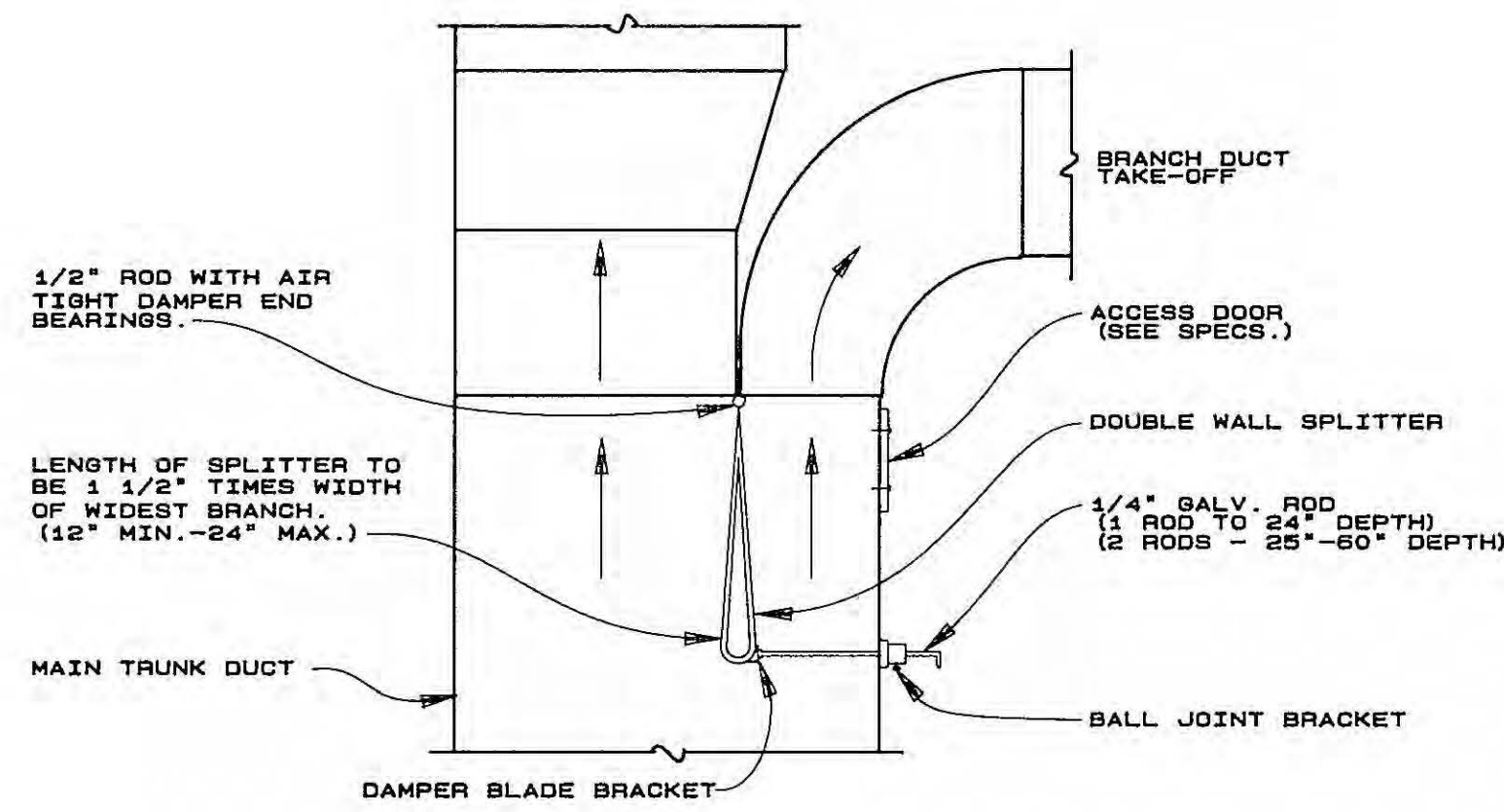
CONTROL SEQUENCE DIAGRAM FOR VAV TERMINAL UNIT WITH HEATING COIL AND DUAL MAXIMUM AIRFLOW

N.T.S.



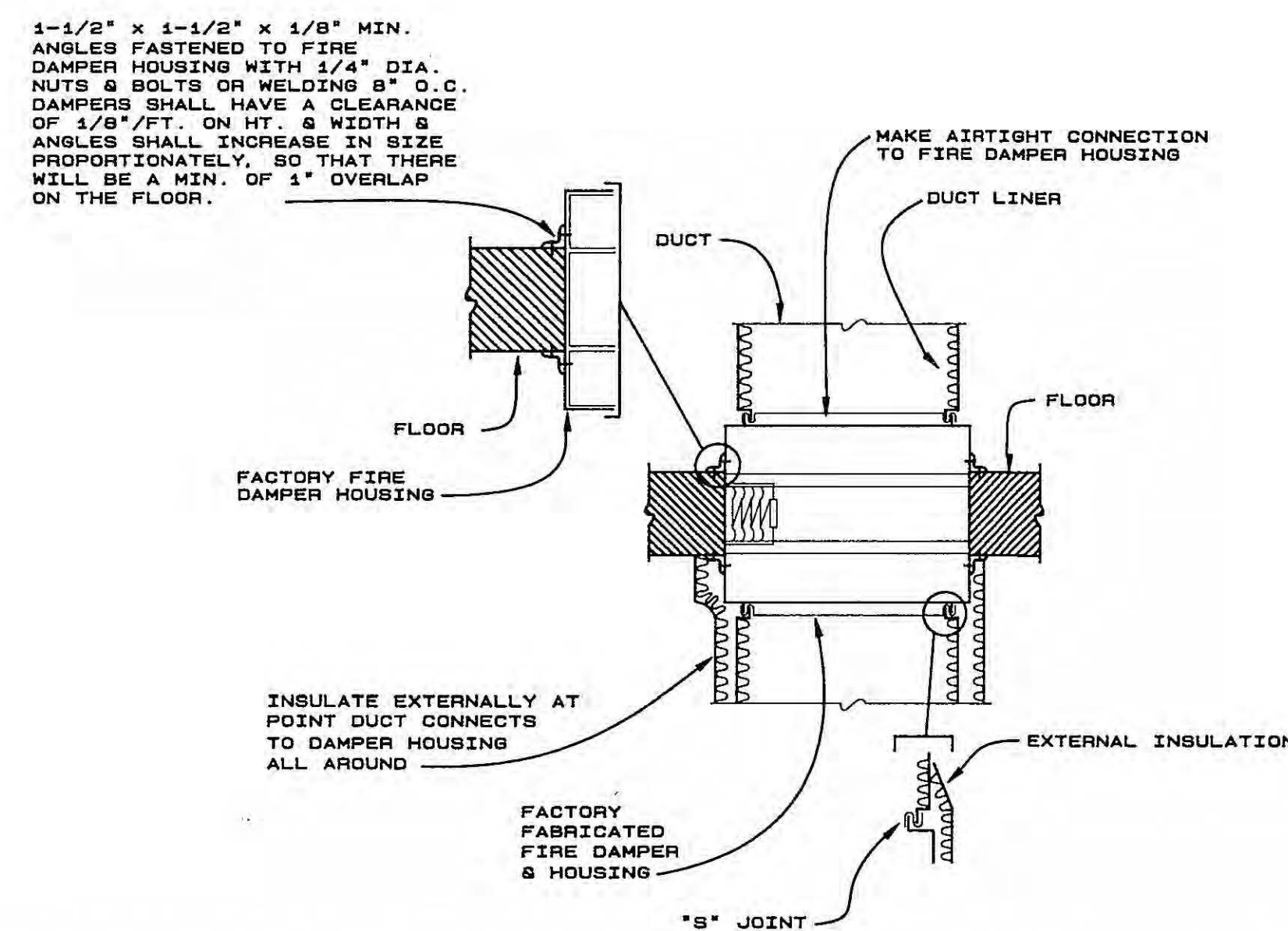
SMALL BRANCH SPLITTER DAMPER DETAIL

N.T.S.



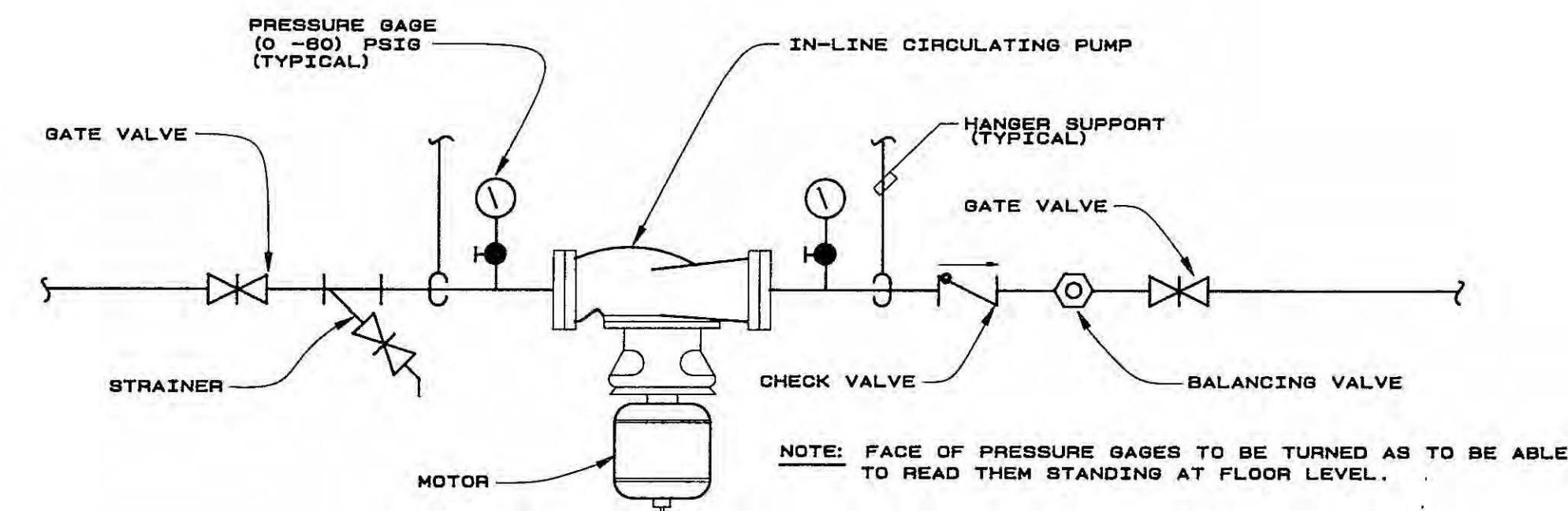
MAIN BRANCH SPLITTER DAMPER DETAIL

N.T.S.



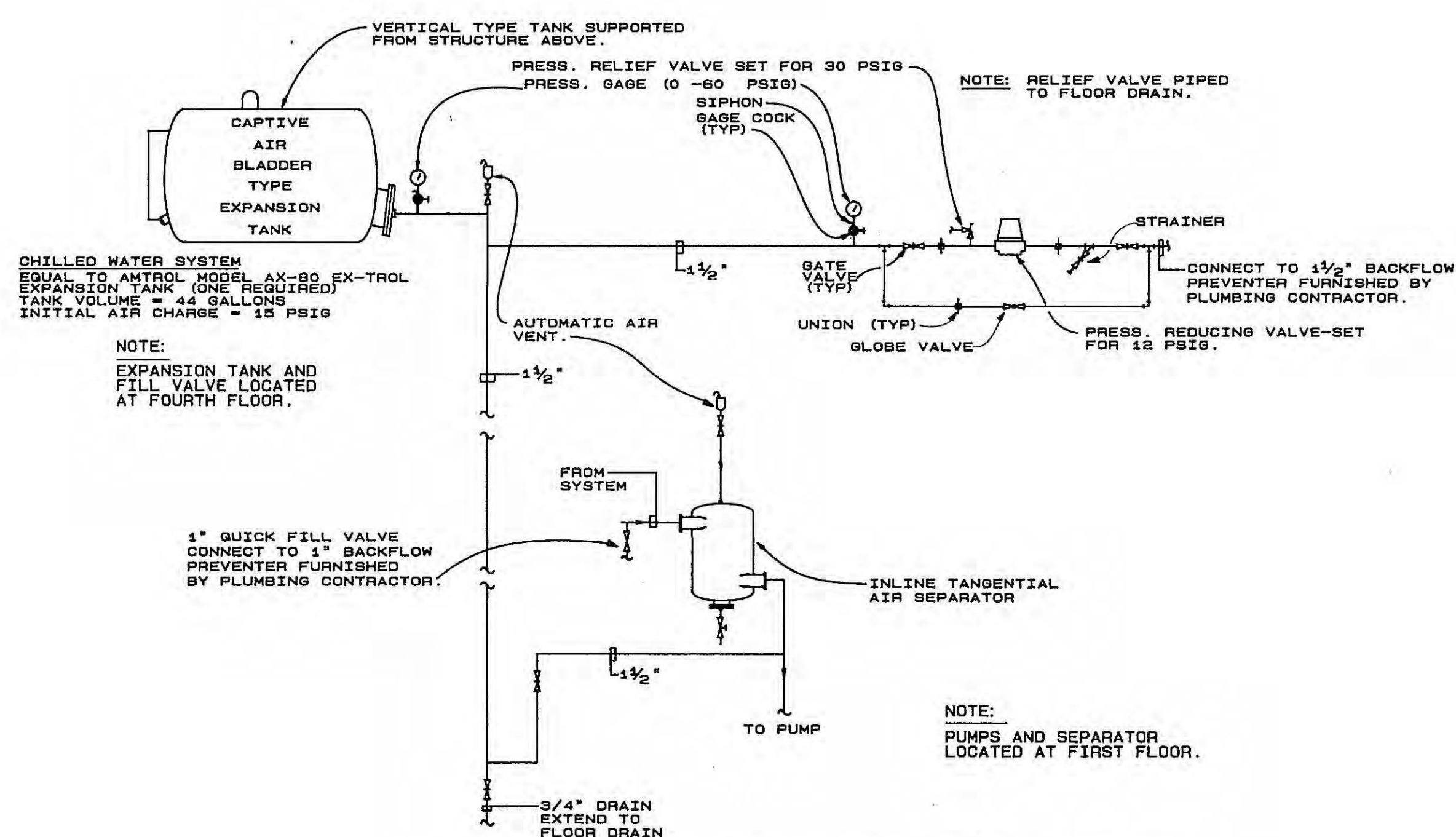
DETAIL - TYPICAL FIRE DAMPER

N.T.S.



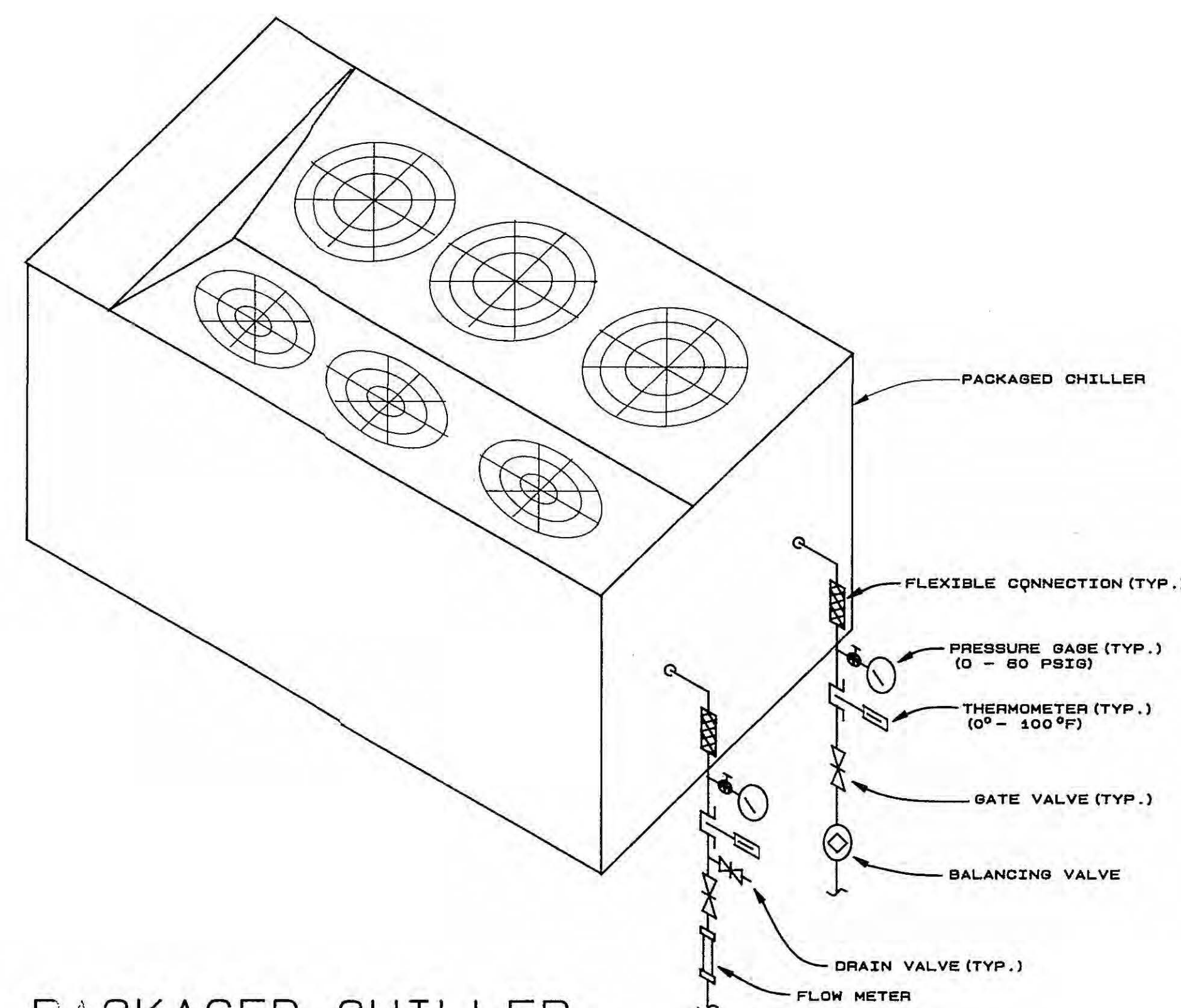
IN-LINE CIRCULATING PUMP

N.T.S.



TYPICAL EXPANSION TANK CONNECTION DETAIL

N.T.S.



PACKAGED CHILLER CONNECTIONS DETAIL

N.T.S.

2 1/2 - 1
2 - 24
1 1/2 - 11

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LIGHTING FIXTURE SCHEDULE

MARK	MANUFACTURER	CATALOG NO.	LAMPS		MOUNTING HEIGHT	TYPE MOUNTING	RECESS DEPTH	REMARKS
			NO. PER FIXTURE	WATTS				
A	COLUMBIA DAY-BRIGHT KLP	4PS26-52-244-277 S2440-MFS12D NRTS26VB440	4	32	F032/41K TB	CEILING	RECESSED GRID	NOTE 1
B	COLUMBIA DAY-BRIGHT KLP	4PS26-52-243-277 S2430-MFS12D NRTS26VB340	3	32	F032/41K TB	CEILING	RECESSED GRID	NOTE 1
C	COLUMBIA DAY-BRIGHT KLP	4PS26-52-243-277 S2420-MFS12D NRTS26VB240	2	32	F032/41K TB	CEILING	RECESSED GRID	NOTE 1
D	COLUMBIA DAY-BRIGHT KLP	4PS26-52-222-277V S2220-MFS12D NRTS26VB244-277V	2	34	6"URS/WM	CEILING	RECESSED GRID	NOTE 1
DE	COLUMBIA DAY-BRIGHT KLP	4PS26-52-222-277V S2220-MFS12D NRTS26VB244-277V	2	34	6"URS/WM	CEILING	RECESSED GRID	NOTE 1 ELECTRONIC EMERGENCY BALLAST PACK
E1	DUAL-LITE HIGHLIGHTS PRESCOLITE	ML-126-1-12V 12AL-18-RX ESB11-CVS	FURNISHED WITH FIXTURES		8'-0" A.F.F.	WALL	-	277 VOLT, BATTERY PACK FOR OPERATION ON 100 WATTS MINIMUM FOR 1 1/2 HRS.
E2	DUAL-LITE HIGHLIGHTS PRESCOLITE	HERS-1-FRM-12V HL-13-FR ERS1212-CRPMK	FURNISHED WITH FIXTURES		CEILING	RECESSED	4"	REMOTE FIXTURES
E3	DUAL-LITE HIGHLIGHTS PRESCOLITE	REMP-2-12V DPH-8 ERR1209	FURNISHED WITH FIXTURES		8'-0" A.F.F.	WALL	-	REMOTE TWIN HEAD WITH MOUNTING PLATE
F	COLUMBIA DAY-BRIGHT KLP	4PS26-52-223-277 S2230-MFS12C NRTS26VB	3	39	F032/41K TB	CEILING	RECESSED GRID	NOTE 1
G	COLUMBIA DAY-BRIGHT KLP	294-WM-4 C2H-254-M CMB-240	2	32	F032/41K TB	8'-0" A.F.F.	WALL BRACKET	EGGSHELL WHITE FINISH NOTE 2
H	COLUMBIA DAY-BRIGHT KLP	CS240 T-240-277 CS240RS	2	34	RS/WM	CEILING	SURFACE	NOTE 2
K	CAPRI LIGHT LITER PRESCOLITE	AE11X-T042 B124CL-1800 1224-362	1	150	A-21	CEILING	RECESSED 11" MAX	120 VOLT
L	GAMMALUX INTEGRAL LIGHT LITER	6013ML-232TB-277V 1035-A-218-11-PM-277V ML38-242	2	32	F032/41K TB	18"BELOW CEILING	PENDANT	NOTE 2
M	CAPRI LIGHT LITER PRESCOLITE	PL26/277HPF-7482 8056CL-726H277-HPF CFR826-492 (277) HPF	2	26	PL	CEILING	RECESSED 7"	277 VOLT, HIGH POWER FACTOR BALLAST
N	CAPRI LIGHT LITER PRESCOLITE	PL26/277HPF-7482EM 8056CL-726H277-HPF CFR813EM-572EM (277) HPF	2	13	PL	CEILING	RECESSED 7"	277 VOLT, VOLT POWER FACTOR BALLAST EMERGENCY POWER PACK-1 LAMP
P	DABCO	3441-WH-277HPF	2	13	PL	7'-6" A.F.F.	WALL BRACKET	277 VOLT, UPLIGHT WALL SCENCE, HIGH POWER FACTOR BALLAST.
R	DAY-BRITE DAY-BRITE KLP	CH-2234-4 2341 K634	3	34	RS/WM	7'-6" A.F.F.	WALL	NOTE 3
S	CAPRI DEVLING PRESCOLITE	PL16-SB3-277HPF D480-185-PL13/2-277HPF CF105925-2 (277) HPF	2	13	PL	CEILING	RECESSED 6" MAX	277 VOLT DAMP LOCATION LEXAN LENS
T	DAY-BRITE W.F. HARRIS	FF-W-13-PL-CP 1000-CP-HB-1-13PL-HPF-277-CR	1	13	PL	7'-6" A.F.F.	WALL	NET LOCATION, VANDAL RESISTANT 277 VOLTS
U	C. W. COLE	S250-C	2	30	R40	CEILING	SURFACE	120 VOLT
V	DAY-BRITE STERNER/INFANOR	FLM40MH-MT-Y 535-SF-12X100-400-H-277-E	1	400	MH	1'-6" A.F.F.	PEDESTAL	277 VOLT
W	DAY-BRITE STERNER/INFANOR	FLM40MH-MT-Y 535-SF-40X105-400-H-277-E	1	400	MH	1'-6" A.F.F.	PEDESTAL	277 VOLT
Y	DAY-BRITE STERNER/INFANOR	FLM25MH-MT-Y 535-SF-40X105-250-H-277-E	1	250	MH	1'-6" A.F.F.	PEDESTAL	277 VOLT
Z	DAY-BRITE STERNER/INFANOR	FLM25MH-MT-Y 535-SF-12X100-250-H-277-E	1	250	MH	1'-6" A.F.F.	PEDESTAL	277 VOLT
AA	GARCO STERNER	EH19-2-3-277-400MH-BRA EX25A103N250H277N	2	400	MH	38'-0"	35' POLE	277 VOLT, TILT FITTER BRACKET, POLES SHALL BE SIZED FOR 120 MPH WINDS.
BB	GARCO STERNER	EH19-1-3-277-250MH-BRA EX25A103N250H277N	1	250	MH	38'-0"	35' POLE	277 VOLT, TILT FITTER BRACKET POLES SHALL BE SIZED FOR 120 MPH WINDS.
X	DUAL-LITE HIGHLIGHTS PRESCOLITE	CSRHW-2F-DC-12V 74211 (74311) APA-5-R-2CF7-K-LVE-2-K277	FURNISHED WITH FIXTURES		7'-6" A.F.F.	WALL/CEILING MOUNT	-	277 VOLT, FLUORESCENT PROVIDE WITH 12 VOLT LAMPS AND SOCKETS FOR REMOTE EMERGENCY OPERATION, SINGLE OR DOUBLE FACED AS REQUIRED.

NOTES: 1. 277 VOLT, 0.125" NOMINAL LENSE, ELECTRONIC BALLAST, TB LAMPS.
2. 277 VOLT, ELECTRONIC BALLAST, TB LAMPS.
3. 277 VOLT, 2 LAMPS DOWNLIGHT, 1 LAMP UPLIGHT, ELECTRONIC BALLAST, T12 LAMPS, WHITE FINISH.

ELECTRICAL SYMBOLS

CEILING OUTLET - FIXTURE "A" CIRCUIT 1, SWITCH 2. (LOWER CASE LETTER NEXT TO EXIT AND EMERGENCY FIXTURES INDICATES DC VOLTAGE CIRCUIT.)
 CEILING OUTLET - FLUORESCENT FIXTURE.
 CEILING OUTLET - FLUORESCENT INDUSTRIAL OR STRIP TYPE.
 WALL OUTLET - INCANDESCENT OR METAL VAPOR BRACKET TYPE.
 WALL OUTLET - FLUORESCENT BRACKET TYPE.

 WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, HUBBELL #5362-GRY.
 WALL OUTLET - DUPLEX OUTLET, 20A, 125V, GROUNDED, WEATHERPROOF, HUBBELL #5362-GRY W/ #5205 PLATE.
 WALL OUTLET - DUPLEX OUTLET, 20A, COMBINATION 125/250V, 4 WIRE, GROUNDED-HUBBELL #5492.
 WALL OUTLET - DUPLEX OUTLET, 20A, 125V, ISOLATED GROUND, ORANGE, HUBBELL #165962.
 WALL OUTLET - QUADRIPLEX OUTLET, 20A, 125V, GROUNDED, TWO (2) HUBBELL#5362-GRY WITH TWO GANG COVERPLATE.
 WALL OUTLET - SINGLE OUTLET, 20A, 125V, GROUNDED, HUBBELL#5361-GRY.

 FLOOR OUTLET - DUPLEX FLOOR OUTLET, HUBBELL #8-2528 FLOOR BOX WITH #8-3928 BRASS PLATE, #5362-GRY DUPLEX RECEPTACLE AND REQUIRED ACCESSORIES. PROVIDE #6-3079 CARPET FLANGE IN CARPETED AREAS.
 FLOOR OUTLET - CONDUIT STUD UP
 FLOOR OUTLET - COMBINATION POWER, DATA, TELECOMMUNICATIONS, EQUAL TO STEEL CITY #654-CI FLOOR BOX, #654-CST CARPET PLATE, #654-BP BLANK PLATE (DRILL/RUNCH PLATE FOR TELECOMMUNICATIONS AND DATA OUTLETS AS REQUIRED) AND HUBBELL #165962 RECEPTACLE. INSTALL 1" DATA CONDUIT AND 3/4" CONDUIT TO ABOVE CEILING AT CLOSEST OUTSIDE OR MAIN CORRIDOR WALL.
 WALL OUTLET - COMPUTER DATA OUTLET. INSTALL 3 1/2" DEEP SINGLE GANG BOX 18" A.F.F. WITH 1" CONDUIT INSTALLED TO 12" ABOVE CEILING. "B" NEXT TO DEVICE INDICATES DEVICE WITH BLANK STAINLESS STEEL COVERPLATE INSTALLED.
 FLOOR OUTLET - COMPUTER POWER - SINGLE OUTLET, 20A, 125V, 3W ISOLATED GROUND, HUBBELL #165962. INSTALL SURFACE MOUNTED ON CONCRETE FLOOR BELOW RAISED COMPUTER FLOOR.
 FLOOR OUTLET - COMPUTER POWER - SINGLE OUTLET, 20A, 200V, 3W 1 PHASE, ISOLATED GROUND, TWIST LOCK HUBBELL #18-2820-A. INSTALL SURFACE MOUNTED ON CONCRETE FLOOR BELOW RAISED COMPUTER FLOOR.
 CEILING OUTLET - JUNCTION BOX
 WALL OUTLET - JUNCTION BOX WITH FLEXIBLE CONNECTION TO EQUIPMENT.

 SWITCH OUTLET - AC TYPE, SINGLE POLE, 20A, 120/277V, HUBBELL #1221-GRY.
 SWITCH OUTLET - AC TYPE, TWO POLE, 20A, 120/277V, HUBBELL #1222-GRY.
 SWITCH OUTLET - AC TYPE, THREE WAY, 20A, 120/277V, HUBBELL #1223-GRY.
 SWITCH OUTLET - AC TYPE, FOUR WAY, 20A, 120/277V, HUBBELL #1224-GRY.
 SWITCH MANUAL MOTOR STARTER, SINGLE POLE WITH OVERLOAD PROTECTION.
 SWITCH OUTLET - AC TYPE, DIMMING, THREE WAY, 2000 WATT, SLIDE TO OFF, LUTRON #N203.
 SWITCH OUTLET - AC TYPE, DIMMING, TOUCH ON-OFF, LUTRON #NETS1.
 SWITCH OUTLET - AC TYPE, SINGLE POLE, DOUBLE THROW, CENTER OFF, 20A, 120/277V, HUBBELL #1385-1.

 LIGHTING PANEL - 120/208 VOLTS - SEE SPECS AND PANELBOARD SCHEDULE.
 POWER PANEL - 277/480 VOLTS - SEE SPECS AND PANELBOARD SCHEDULE.
 DISTRIBUTION PANEL - 277/480 VOLTS - SEE SPECS AND PANELBOARD SCHEDULE.
 BRANCH CIRCUIT CONCEALED IN WALL OR CEILING.
 BRANCH CIRCUIT CONCEALED IN OR BELOW FLOOR OR IN THE GROUND.
 HOMERUN TO PANELBOARD - ANY CIRCUIT WITHOUT FURTHER DESIGNATION 2#12-1/2"C.
 3#12-1/2"C.
 4#12-3/4"C. ETC. PER N.E.C.
 EMPTY CONDUIT - 3/4"C. WITH PULL WIRE.
 BRANCH CIRCUIT EXPOSED.

 GROUNDING ELECTRODE PER N.E.C.
 MOTOR SHP. OR (HP) 40 AMPS OR (F) FRACTIONAL HORSEPOWER.
 MAGNETIC MOTOR STARTER OR OTHER CONTROL DEVICE, FURNISHED BY OTHERS UNLESS NOTED OTHERWISE.
 NON-FUSED DISCONNECT SWITCH. (F) FUSED DISCONNECT SWITCH NEMA 3R.
 COMBINATION NON-FUSIBLE DISCONNECT-STARTER, NUMBER NEXT TO SYMBOL DENOTES STARTER SIZE. COMBINATION DISCONNECT/STARTERS SHALL BE 450V, 3P.
 NON-FUSIBLE DISCONNECT, NON REVERSING STARTER WITH MELTING ALLOY RELAYS, FUSED 150V CONTROL CIRCUITS WITH TRANSFORMER, WITH DOOR INTERLOCKS, IN NEMA ENCLOSURES. STARTER SIZES INDICATED ON PLANS - SIZE 1 STARTER INDICATED, BY SQUARE D, GE, ITE OR APPROVED EQUAL.

 TBB TELEPHONE BACKBOARD - 4"X8"X3/4" 2 COATS GREY ENAMEL BOTH SIDES.
 TELEPHONE OUTLET - INSTALL SINGLE GANG OUTLET BOX 18" A.F.F. WITH 3/4" CONDUIT INSTALLED TO 12" ABOVE CEILING.
 RADIO COMMUNICATIONS OUTLET - INSTALL SINGLE GANG OUTLET BOX 18" A.F.F. WITH 3/4" CONDUIT INSTALLED TO 12" ABOVE CEILING.

 THERMOSTAT WALL OUTLET AS DIRECTED BY MECHANICAL. INSTALL 3/4"C TO 12" ABOVE CEILING.
 SMOKE DETECTOR - PHOTOELECTRONIC - NUMBER NEXT TO INITIATING DEVICE INDICATES FIRE ALARM ZONE - SEE SPECS.
 SMOKE DETECTOR - DUCT MOUNTED - IONIZATION - "S" DENOTES SUPPLY DUCT INSTALLATION - SEE SPECS.
 FIRE ALARM - MANUAL PULL STATION. SEE SPECS
 FIRE ALARM - AUDIO/VISUAL (HORN/LIGHT) ALARM. SEE SPECS
 FIRE ALARM - CONTROL PANEL. SEE SPECS.
 FIRE ALARM - REMOTE TEST STATION - SEE SPECS.
 FIRE ALARM - REMOTE ANNUNCIATOR PANEL - SEE SPECS.

 A.F.F. ABOVE FINISHED FLOOR.
 VER. VERIFY LOCATION.
 N.E.C. NATIONAL ELECTRICAL CODE.

GENERAL NOTES

- SERVICE TO BUILDING IS 277/480 VOLTS, 3 PHASE, 4 WIRE.
- VERIFY ALL DOOR SWINGS WITH ARCHITECTURAL DRAWINGS BEFORE ROUGHING IN SWITCHES.
- VERIFY EXACT LOCATION OF ALL MOTORS AND EQUIPMENT BEFORE ROUGHING IN.
- VERIFY EXACT LOCATION OF ALL FLOOR OUTLETS WITH ARCHITECT BEFORE ROUGHING IN.
- VERIFY THE EXACT LOCATION OF COUNTERTOPS AND BACKPLASHES ON ARCHITECTURAL DETAILS AND/OR CASEWORK SHOP DRAWINGS AND ADJUST SPECIFIED MOUNTING HEIGHT OF WALL OUTLETS AS REQUIRED TO AVOID CONFLICTS. WHERE OUTLETS ARE SHOWN INSTALLED IN FACE OF CABINET WORK REFER TO CABINET DETAILS AND COORDINATE WITH CABINET CONTRACTOR.
- CHECK ALL LIGHTING FIXTURES FOR EXACT TYPE MOUNTING AND SPACE REQUIRED BEFORE ROUGHING IN. SUPPORT OF ALL LIGHTING FIXTURES SHALL BE THE RESPONSIBILITY OF THIS CONTRACTOR. FIXTURES SHALL BE SUPPORTED INDEPENDENT OF CEILING FROM STRUCTURAL MEMBERS OF THE BUILDING.
- FURNISH AND INSTALL PLASTER FRAMES FOR ALL RECESSED FIXTURES AS REQUIRED.
- ALL FLUORESCENT FIXTURES TO HAVE ELECTRONIC BALLASTS EQUAL TO MAGNETIC TRIAD BALLASTS. THREE AND FOUR LAMP FIXTURES SHALL HAVE A SINGLE BALLAST EXCEPT WHERE SHOWN TO HAVE EMERGENCY BALLASTS OR MULTIPLE SWITCHING.
- CHECK THE CORRESPONDING MECHANICAL SHEETS AND INSTALL PROPER SERVICE AND CONNECTIONS TO ALL MECHANICAL ITEMS SHOWN THEREON REGARDLESS OF ITS BEING OR NOT BEING SHOWN ON ELECTRICAL SHEETS.
- ALL CONDUIT SHALL BE CONCEALED UNLESS SPECIFICALLY SHOWN EXPOSED.
- COORDINATE SERVICES WITH POWER AND COMMUNICATIONS COMPANIES. REMOVE OR RELOCATE ALL POWER AND COMMUNICATIONS CIRCUITS ABOVE OR BELOW GRADE THAT WOULD OBSTRUCT THE CONSTRUCTION OF THE PROJECT OR CONFLICT IN ANY MANNER WITH COMPLETION OF THE PROJECT OR ANY CODE PERTAINING THERETO. IF UTILITY COMPANY REQUIREMENTS ARE AT A VARIANCE WITH THESE DRAWINGS AND SPECIFICATIONS, THE CONTRACT PRICE SHALL INCLUDE THE ADDITIONAL COST.
- FURNISH AND INSTALL FUSES IN FUSIBLE DISCONNECTS PER EQUIPMENT MANUFACTURER'S RECOMMENDATIONS.
- NO CONDUIT SHALL BE INSTALLED IN SECOND, THIRD, OR FOURTH FLOOR SLABS. CIRCUITING SHOWN CONCEALED IN FLOOR MAY BE INSTALLED IN WALLS ABOVE CEILING OR BELOW THE FLOOR SLAB. WHERE FLOOR BOXES ARE SHOWN IN FLOORS 2, 3 AND 4 THE CONDUIT SHALL BE INSTALLED OUT THE BOTTOM OF THE BOXES INTO THE CEILING SPACE BELOW.
- THE ELECTRICAL CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFICATION OF OTHER TRADES FOR THE SPECIFICATIONS OF THE CHARACTERISTICS OF ELECTRICAL SERVICE TO ALL EQUIPMENT FURNISHED BY THE VARIOUS TRADES.
- THE ELECTRICAL CONTRACTOR SHALL COORDINATE N.E.C. REQUIRED WORK SPACE AROUND ELECTRICAL PANELS, ETC. WITH OTHER TRADES THROUGH THE GENERAL CONTRACTOR TO AVOID CONFLICTS WITH AND/OR INFRINGEMENT INTO THE REQUIRED CLEARANCES.
- WHERE CONDUITS ARE INDICATED TO BE STUBBED OUT ABOVE THE CEILING THE STUB OUT SHALL BE INTO THE CEILING SPACE, DO NOT LEAVE CONDUITS INSIDE WALLS.

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OKALOOSA COUNTY
WATER AND SEWER COMPLEX
 FOR THE
BOARD OF COUNTY COMMISSIONERS
 OKALOOSA COUNTY, FLORIDA

 Drawn By
 MGS

 Date
 NOVEMBER 6, 1991

 Revisions

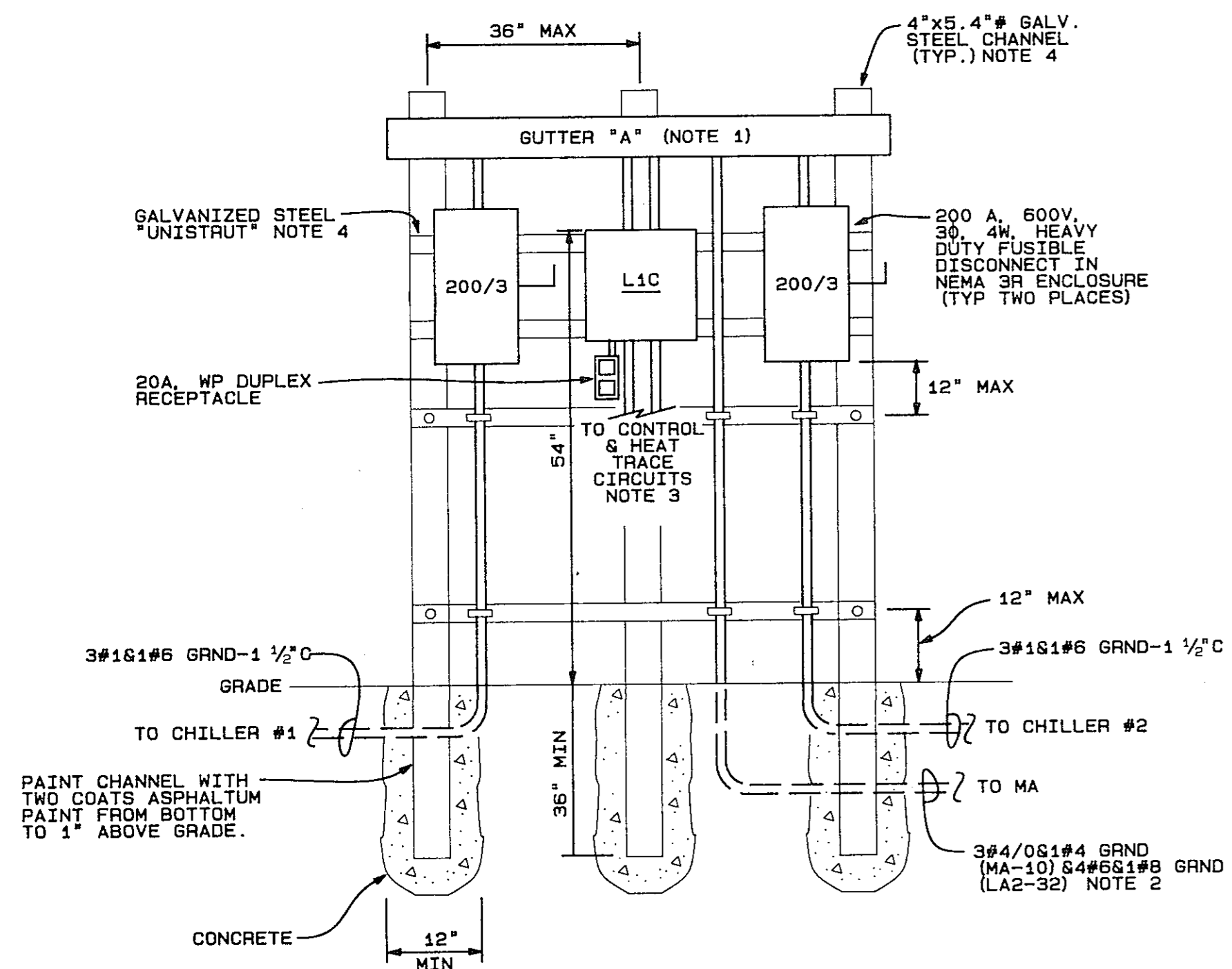
 Revisions

 Revisions

 Project No
 41-225

 Sheet title
 ELECTRICAL
 GENERAL NOTES,
 SYMBOLS,
 SCHEDULES

 Sheet No
E-1
 OF 14



DETAIL - GUTTER "A"

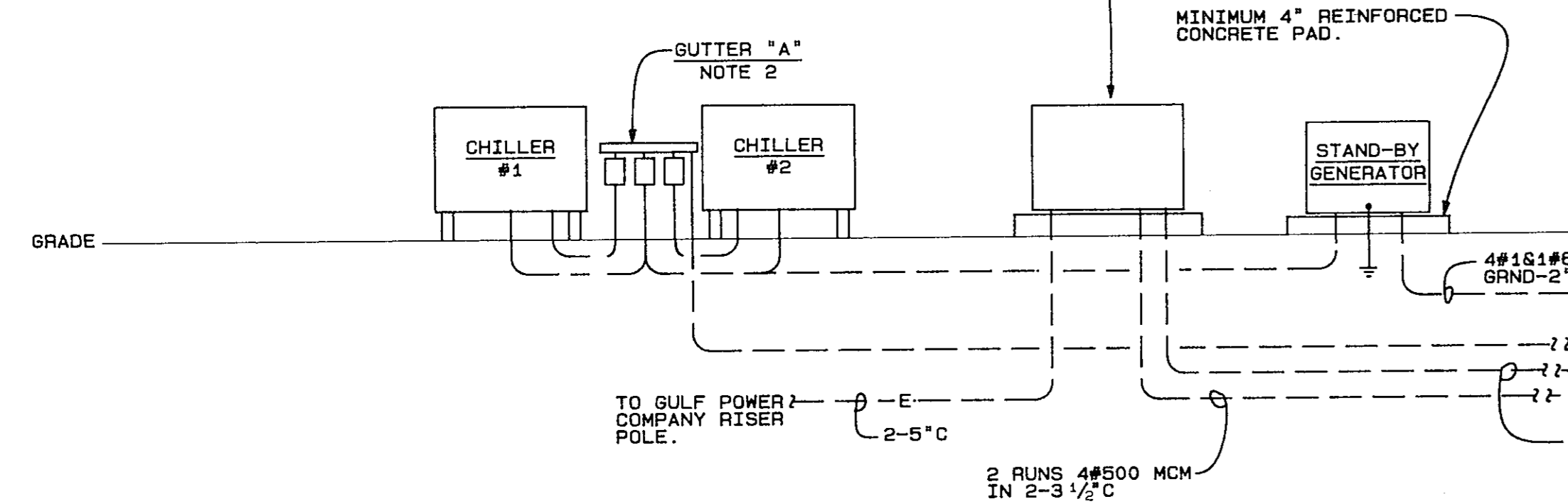
- N.T.S. NOTES:
- GUTTER "A" SHALL BE 6"x6" (MIN) x LENGTH REQUIRED NEMA 3R WIRING TROUGH WITH SCREW COVER.
 - FEED THE TWO (2) CHILLER DISCONNECT FROM MA-10 AND PANEL L1C FROM LA2-32.
 - L1C SHALL FEED 9 CIRCUITS:
 - CHILLER #1 CONTROLS
 - CHILLER #2 CONTROLS
 - HEAT TRACE (4 CIRCUITS)
 - WEATHERPROOF DUPLEX SERVICE RECEPTACLE
 - STAND-BY GENERATOR BATTERY CHARGER
 - GENERATOR CRANK CASE HEATER
 - PAINT ALL CUT ENDS, HOLES AND NICKS IN GALVANIZED MEMBERS WITH TWO COATS GALVANIZED PRIMER PRIOR TO ASSEMBLY, AND TOUCH UP ALL NICKS, SCRATCHES, ETC AFTER COMPLETION.
 - APPLY TWO COATS OF MANUFACTURERS TOUCH UP PAINT TO ALL NICKS, SCRAPES, AND CUT HOLES IN PANELBOARD, DISCONNECTS AND WIRING TROUGH.

DRY TYPE TRANSFORMER SCHEDULE

MARK	KVA	SQUARE "D" MODEL No.
T-1	112.5	112T3HB
T-2	30	30T3HB
T-3	112.5	112T3HB
T-4	30	30T3HB

NOTE: ALL TRANSFORMERS SHALL BE 80°C RISE 480 VOLT DELTA PRIMARY, 120/208 VOLT 3 PHASE, 4 WIRE SECONDARY, 60 HZ EQUAL TO SQUARE D ENERGY SAVING MATCHED TRANSFORMERS.

GULF POWER COMPANY 277/480VOLT, 3 PHASE, 4 WIRE PADMOUNT TRANSFORMER ON CONCRETE PAD BY ELECTRICAL CONTRACTOR TO GULF POWER COMPANY SPECIFICATIONS. NOTE 3



PANELBOARD SCHEDULE

MARK	TYPE	MAINS		BRANCHES					LUG LOCATION	REMARKS	
		TYPE	AMPS	1 POLE	2 POLE	3 POLE	SPARES	SPACES			
L1A	NGOD	MAIN LUGS	100	120/208V 30, 4W	33-20	-	-	4-20/1	5-1POLE	TOP	225A BUSS
L2A	NGOD	MAIN BREAKER	400	120/208V 30, 4W	32-20	1-20	1-40 1-70 2-100	6-20/1	11-1POLE	TOP	RATED FOR SERVICE ENTRANCE EQUIPMENT DOUBLE PANEL-TWO EQUAL SECTIONS
L3A	NGOD	MAIN LUGS	70	120/208V 30, 4W	20-20	-	-	3-20/1	7-1POLE	TOP	225A BUSS
L4A	NGOD	MAIN LUGS	100	120/208V 30, 4W	37, 20	-	-	2-20/1	3-1POLE	TOP	225A BUSS
L1B	NGOD	MAIN BREAKER	400	120/208V 30, 4W	48-20 1-30	1-20	2-150	6-20/1	15-1POLE	TOP	RATED FOR SERVICE ENTRANCE EQUIPMENT DOUBLE PANEL-TWO EQUAL SECTIONS
L2B	NGOD	MAIN LUGS	150	120/208V 30, 4W	35-20	2-20	-	5-20/1	16-1POLE	TOP	DOUBLE PANEL-TWO EQUAL SECTIONS
L3B	NGOD	MAIN LUGS	150	120/208V 30, 4W	22-20	1-20	1-100	6-20/1	9-1POLE	TOP	225A BUSS
L4B	NGOD	MAIN BREAKER	100	120/208V 30, 4W	26-20	-	-	6-20/1	10-1POLE	TOP	RATED FOR SERVICE ENTRANCE EQUIPMENT
L1C	NGOD	MAIN LUGS	40	120/208V 30, 4W	9-20	-	-	-	3-1POLE	TOP	NEMA 3R ENCLOSURE
L3C	NGOD	MAIN LUGS	100	120/208V 30, 4W	6-20	4-30	-	-	6-1POLE	TOP	225A BUSS
EL3B	NGOD	MAIN BREAKER	100	120/208V 30, 4W	26-20	-	-	5-20/1	11-1POLE	TOP	RATED FOR SERVICE ENTRANCE EQUIPMENT

NOTE: "CANS" FOR MULTIPLE SECTION PANELS SHALL BE DIMENSIONALLY THE SAME.

PANELBOARD SCHEDULE

MARK	TYPE	MAINS		BRANCHES					LUG LOCATION	REMARKS		
		TYPE	AMPS	1 POLE	2 POLE	3 POLE	SPARES	SPACES				
P1A	NEHB	MAIN LUGS	100	277/480V 30, 4W	12-20 1-40 1-30	-	-	1-20	2-20/1	11-1POLE	TOP	
P2A	NEHB	MAIN LUGS	70	277/480V 30, 4W	11-20 1-30	-	-	2-20	2-20/1	10-1POLE	TOP	
P3A	NEHB	MAIN LUGS	70	277/480V 30, 4W	5-20 1-100 1-80	-	-	2-20/1	7-1POLE	TOP		
P4A	NEHB	MAIN LUGS	100	277/480V 30, 4W	11-20 1-40 1-30	-	-	1-20	2-20/1	12-1POLE	TOP	
P1B	NEHB	MAIN LUGS	100	277/480V 30, 4W	13-20 1-30	-	-	1-20	2-20/1	11-1POLE	TOP	
P2B	NEHB	MAIN LUGS	70	277/480V 30, 4W	8-20 1-30	-	-	1-20	1-20/1	3-1POLE	TOP	
P3B	NEHB	MAIN LUGS	70	277/480V 30, 4W	7-20 1-25	-	-	1-20 1-30	3-20/1	13-1POLE	TOP	
P4B	NEHB	MAIN LUGS	100	277/480V 30, 4W	8-20 1-30	-	-	2-20 1-25	2-20/1	10-1POLE	TOP	
EP3A	NEHB	MAIN LUGS	70	277/480V 30, 4W	12-20	-	-	2-20 1-45	2-20/1	7-1POLE	TOP	
MA	QMB	MAIN FUSIBLE SWITCH	800	277/480V 30, 4W	SEE "ELECTRICAL SINGLE LINE DIAGRAM"					TOP	RATED FOR SERVICE ENTRANCE EQUIPMENT 22,000 AIC FULLY RATED	
MB	I-LINE	MAIN LUGS	500	277/480V 30, 4W	SEE "ELECTRICAL SINGLE LINE DIAGRAM"					TOP	RATED FOR SERVICE ENTRANCE EQUIPMENT 22,000 AIC FULLY RATED	

ELECTRICAL SINGLE LINE DIAGRAM

- N.T.S. NOTES:
- MAIN DISCONNECT SWITCH, MD-A, SHALL BE A 600 VOLT, 800 AMP, 3 PHASE, 4 WIRE, HEAVY DUTY FUSIBLE DISCONNECT SWITCH IN A NEMA 42 ENCLOSURE AND RATED FOR SERVICE ENTRANCE EQUIPMENT. EQUAL TO SQUARE D #366NANK.
 - SEE "LUGS AND BATTER "A" THIS SHEET.
 - PROVIDE METERING PER GULF POWER COMPANY REQUIREMENTS.
 - UPS AND BATTERY CABINET FURNISHED BY OWNER, INSTALLED BY ELECTRICAL CONTRACTOR.
 - SEE SHEET E10 FOR DESCRIPTION.

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OKALOOSA COUNTY WATER AND SEWER COMPLEX
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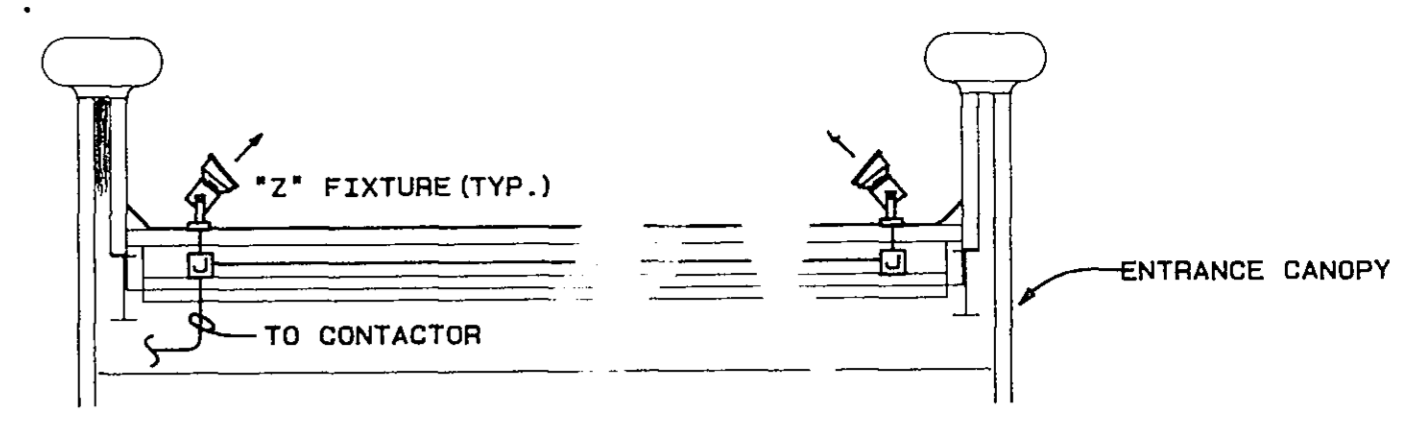
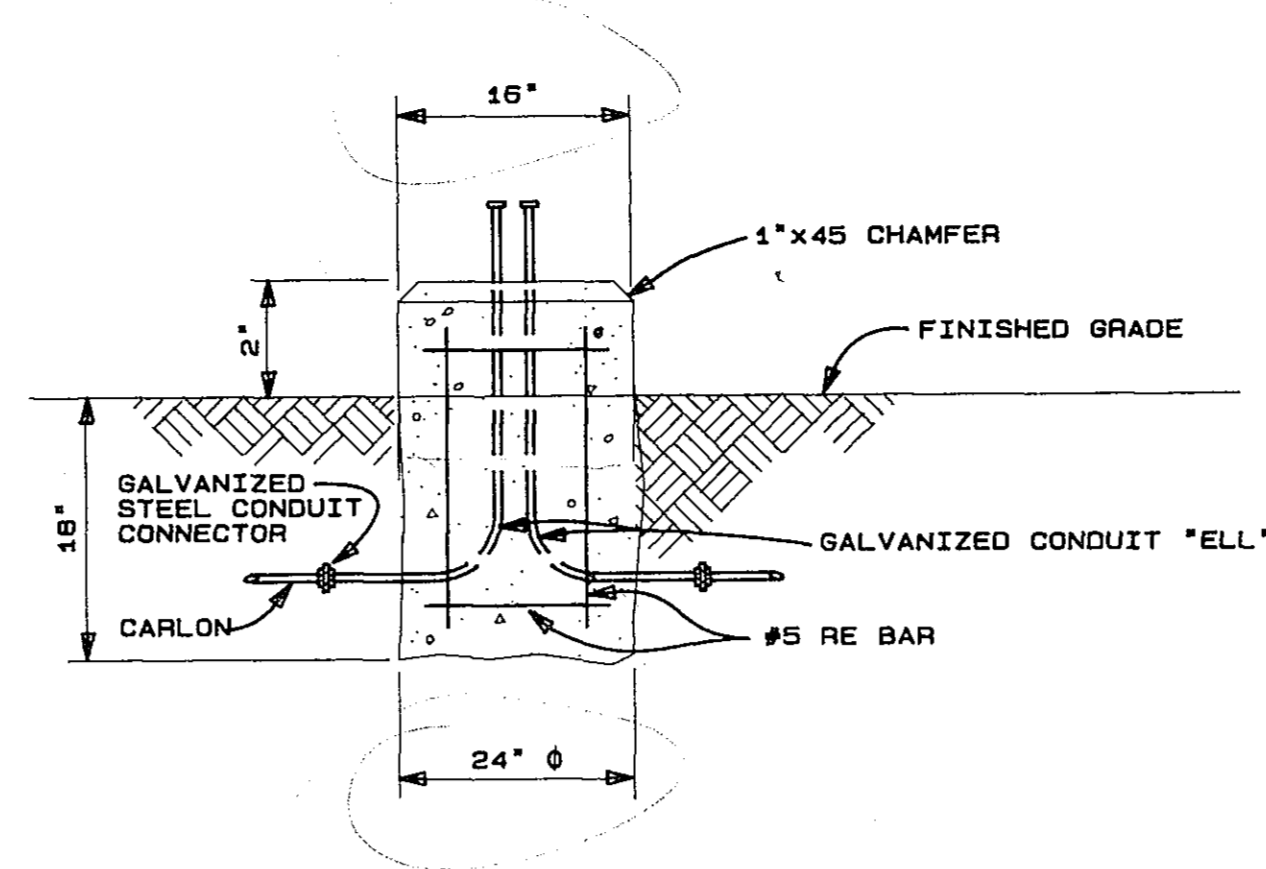
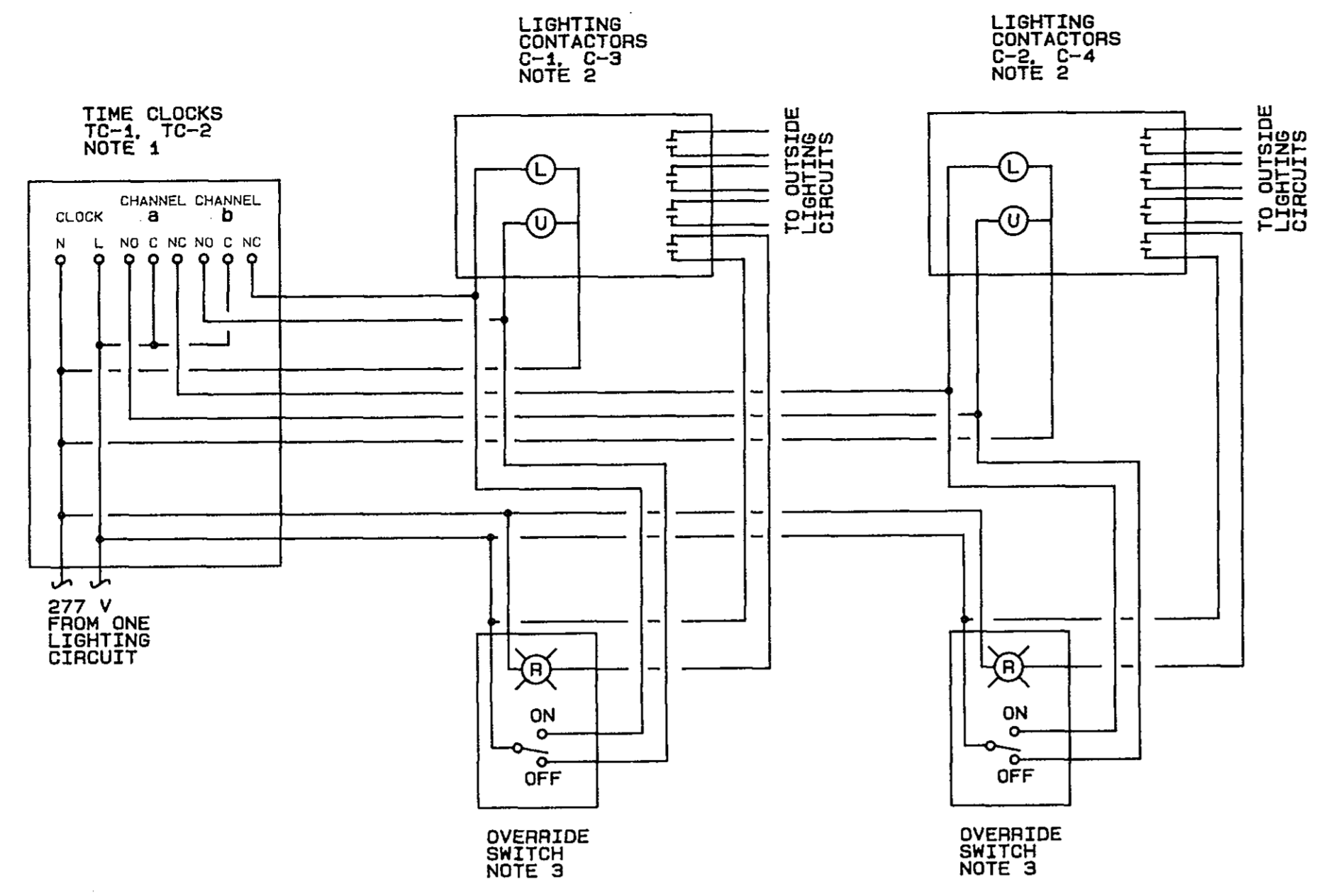
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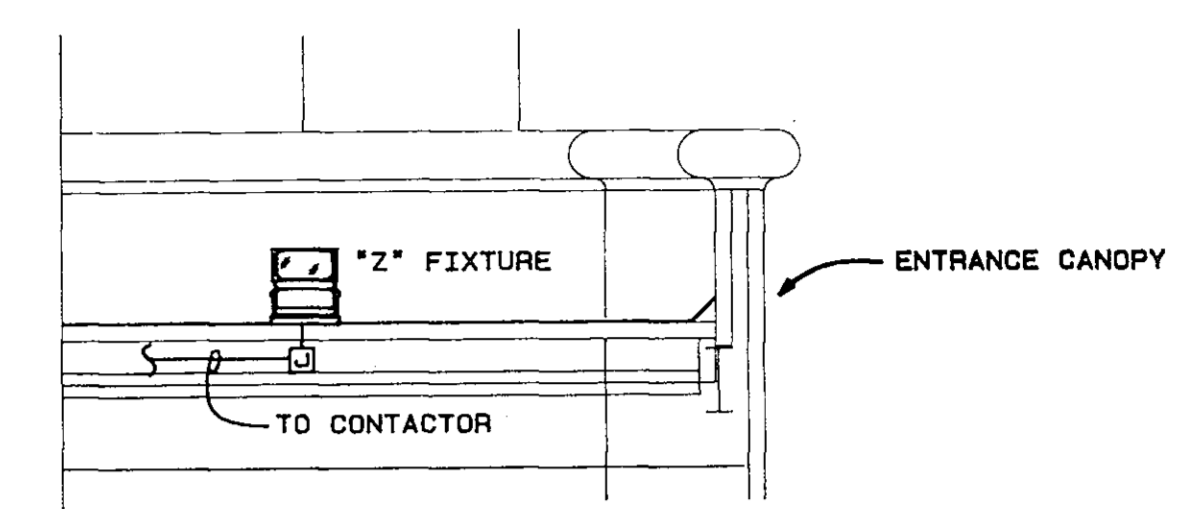
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ELECTRICAL SINGLE LINE DIAGRAM, SCHEDULES, DETAILS

Sheet No

E-2
OF 14



SECTION FROM FRONT OF BUILDING

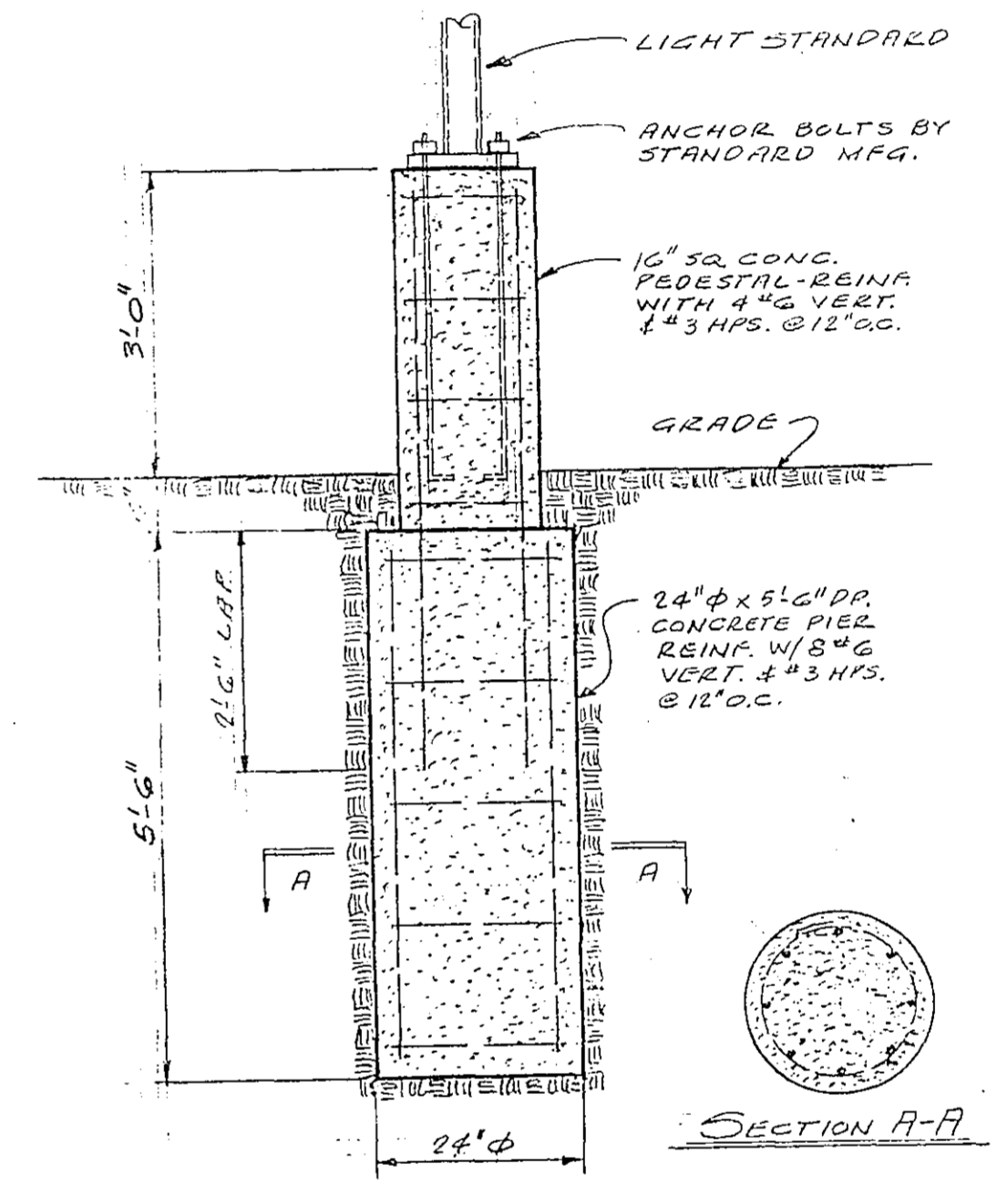


SECTION FROM SIDE

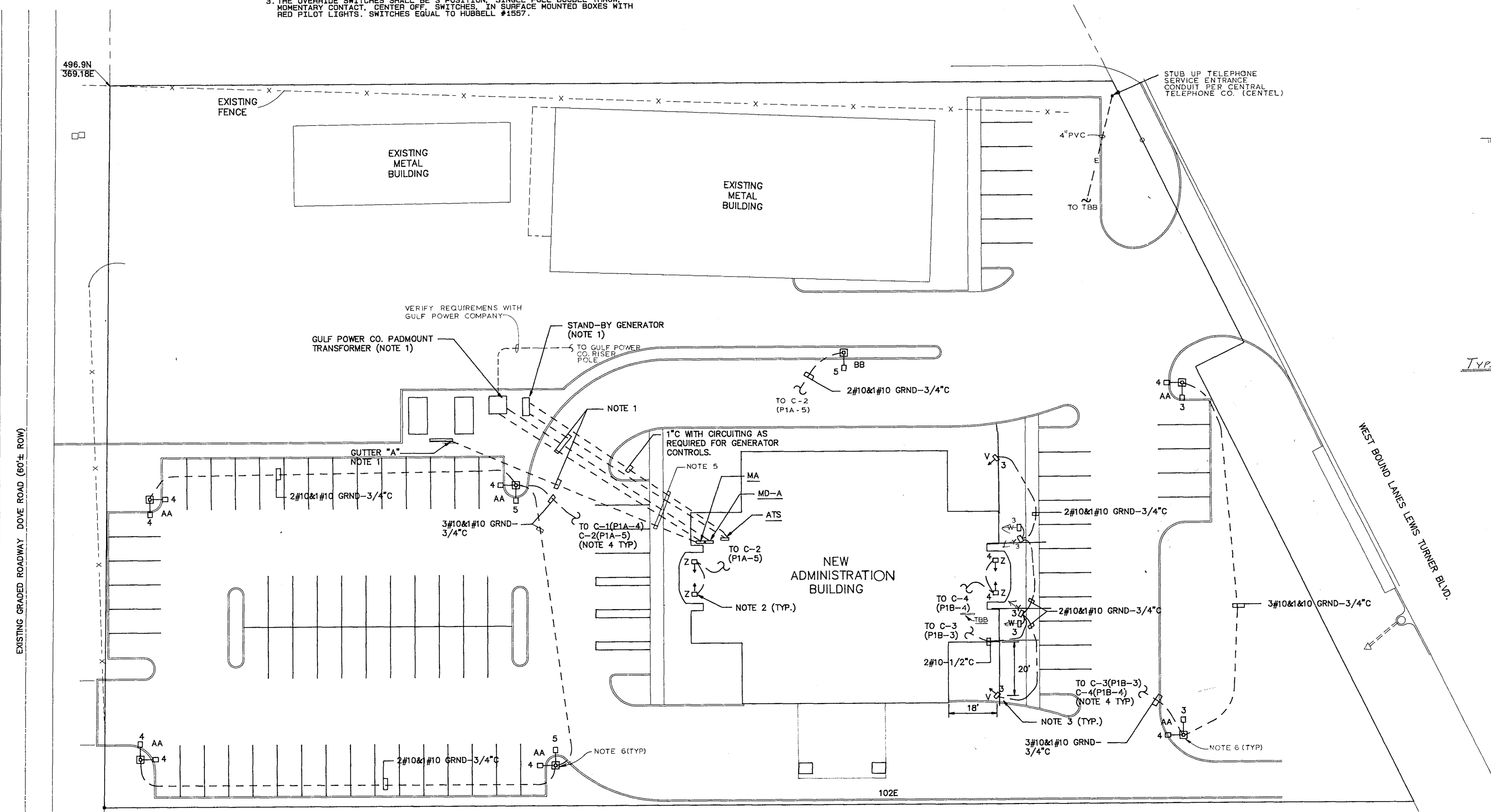
DETAIL - "Z" FIXTURE
N.T.S.

DETAIL - OUTSIDE LIGHTING CONTROL

- N.T.S. NOTES:
1. TIME CLOCKS TC-1 AND TC-2 SHALL BE DIGITAL 2 CHANNEL, 277VOLT, MOMENTARY CONTACT ENCLOSED TIME CLOCKS EQUAL TO TORQ #023200-3.
 2. LIGHTING CONTACTORS C-1, C-2, C-3 AND C-4 SHALL BE MECHANICALLY HELD, 20 AMP, 5 POLE CONTACTORS WITH 277 VOLT COILS IN NEMA 1 ENCLOSURES EQUAL TO SQUARE D #LX660.
 3. THE OVERRIDE SWITCHES SHALL BE 3 POSITION, SINGLE POLE DOUBLE THROW, MOMENTARY CONTACT, CENTER OFF, SWITCHES IN SURFACE MOUNTED BOXES WITH RED PILOT LIGHTS, SWITCHES EQUAL TO HUBBELL #1557.



TYP. FOUNDATION FOR LIGHT STANDARDS
N.T.S.



SITE PLAN ELECTRICAL

- 1" = 20'-0" NOTES:
1. SEE "ELECTRICAL SINGLE LINE DIAGRAM" FOR CIRCUITING.
 2. "Z" FIXTURES SHALL BE INSTALLED IN TOP OF ENTRANCE CANOPY AND DIRECTED TO LIGHT INSIDE OF ARCH.
 3. SEE "DETAIL - PEDESTAL BASE" FOR MOUNTINGS FOR FIXTURES "V", "W" AND "Y".
 4. SEE "DETAIL - OUTSIDE LIGHTING CONTROL" FOR DETAILS OF CONTROLS.
 5. ROUTE CONDUITS BELOW GRADE BEAM AND BELOW STORM DRAIN AND WATER MAINS.
 6. SEE "TYP. FOUNDATION FOR LIGHT STANDARDS" THIS SHEET.

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FOR THE BOARD OF COUNTY COMMISSIONERS
OKALOOSA COUNTY, FLORIDA

Drawn By
MGS

Date
NOVEMBER 6, 1991

Revisions

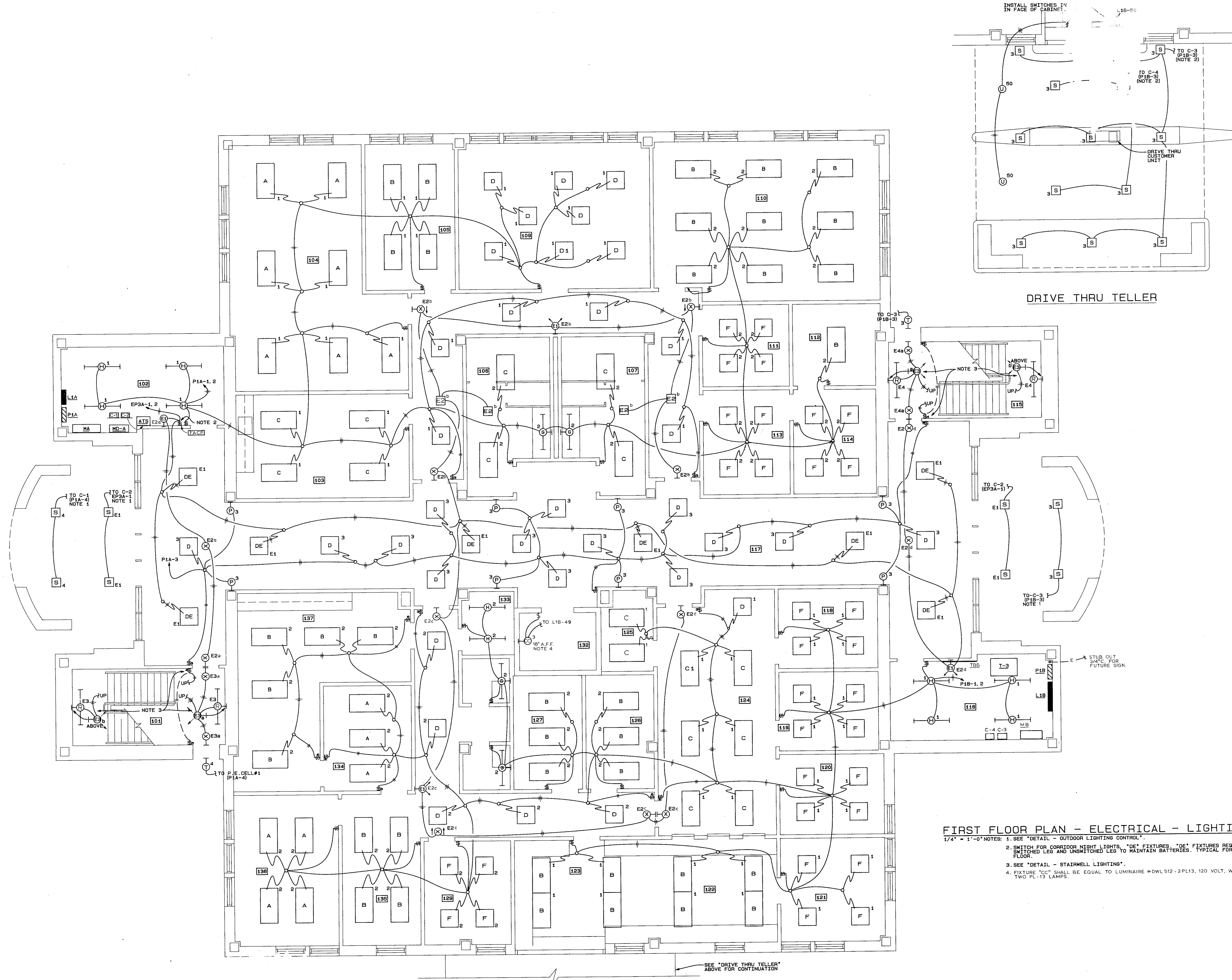
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Project No
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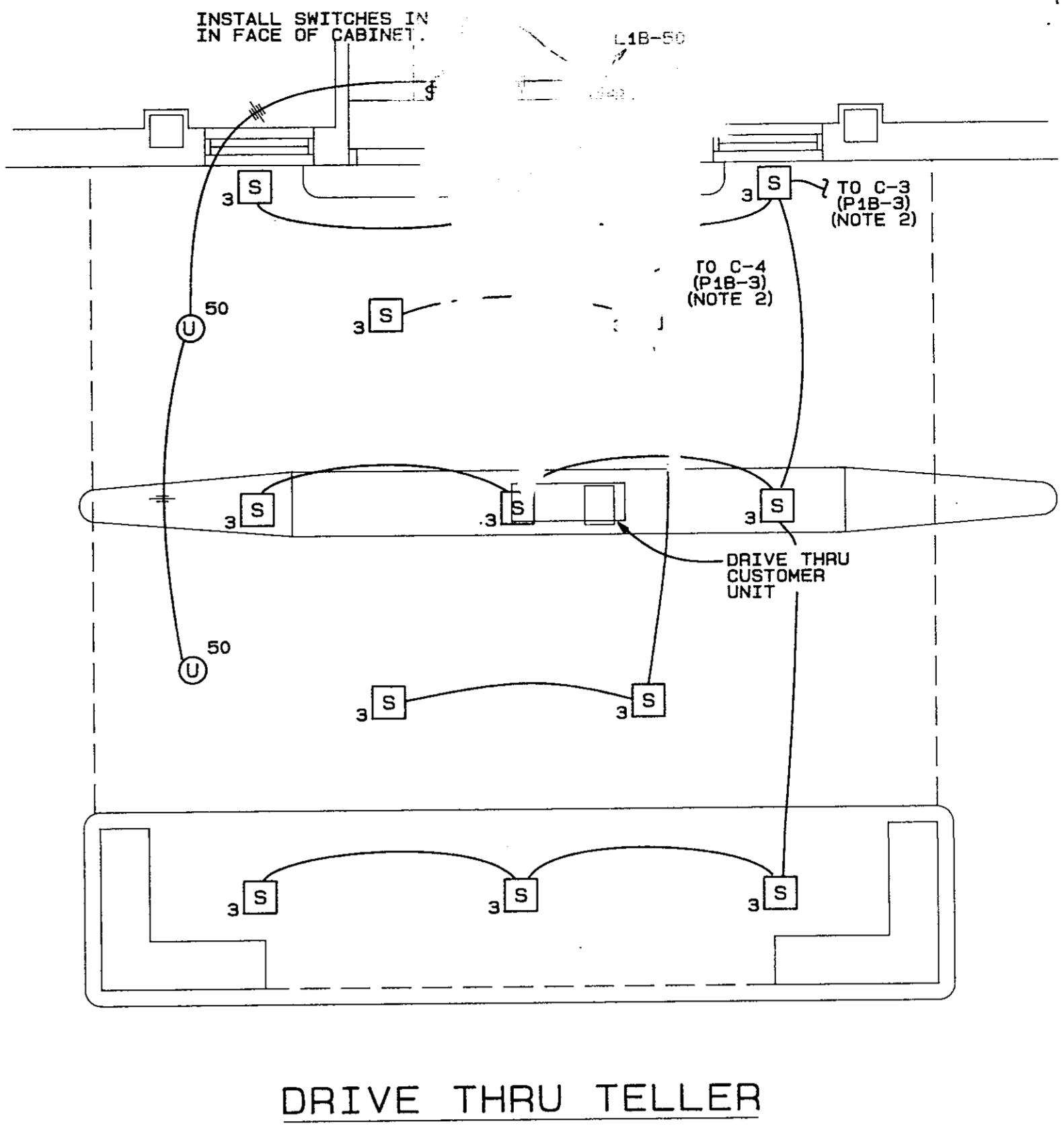
Sheet title
ELECTRICAL SITE PLAN, DETAILS

Sheet No
E-3
OF 14



FIRST FLOOR PLAN - ELECTRICAL - LIGHTING

- 1/4" = 1'-0" NOTES: 1. SEE "DETAIL - OUTDOOR LIGHTING CONTROL".
 2. SWITCH FOR CORRIDOR NIGHT LIGHTS. "DE" FIXTURES. "DE" FIXTURES REQUIRE SWITCHED LEG AND UNSWITCHED LEG TO MAINTAIN BATTERIES. TYPICAL FOR EACH FLOOR.
 3. SEE "DETAIL - STAIRWELL LIGHTING".
 4. FIXTURE "CC" SHALL BE EQUAL TO LUMINAIRE #DWL512 - 2PL13, 120 VOLT, WITH TWO PL-13 LAMPS.



DRIVE THRU TELLER

SEE "DRIVE THRU TELLER" ABOVE FOR CONTINUATION

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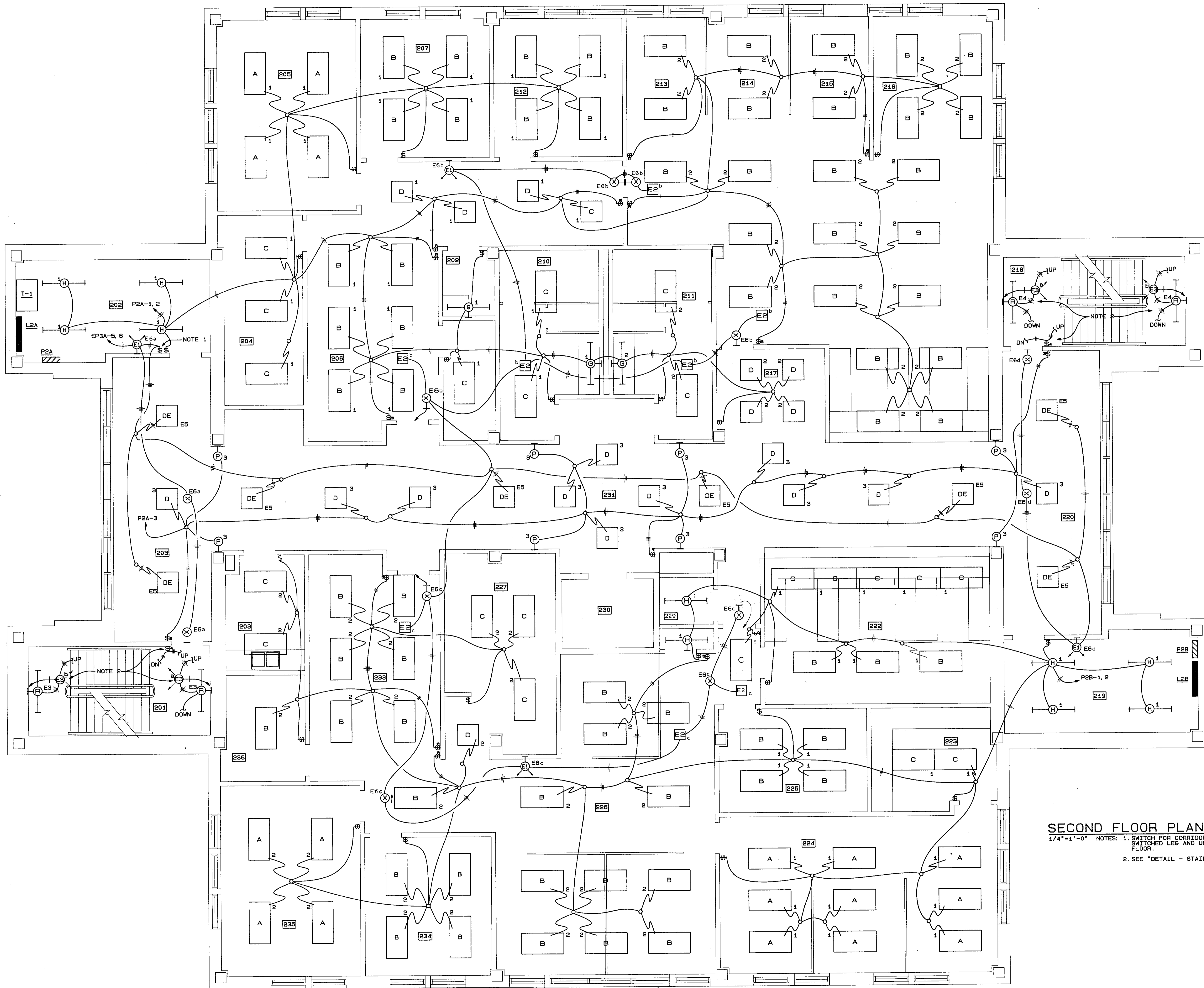
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Sheet title
 ELECTRICAL FLOOR
 PLAN-FIRST
 FLOOR-LIGHTING

Sheet No
E-4
 OF 14

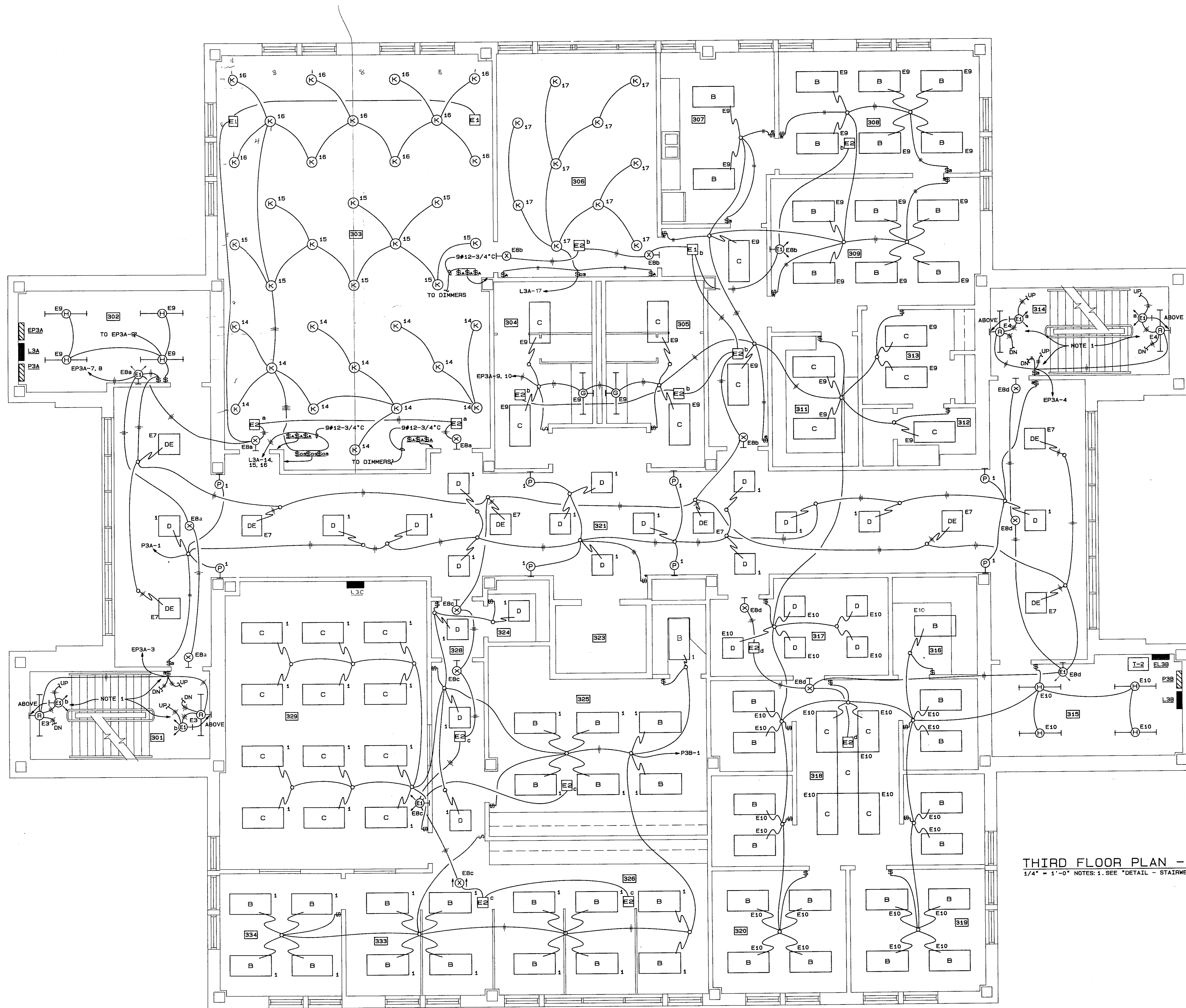


SECOND FLOOR PLAN - ELECTRICAL - LIGHTING
 1/4"=1'-0" NOTES: 1. SWITCH FOR CORRIDOR NIGHT LIGHTS. "DE" FIXTURES. "DE" FIXTURES REQUIRE SWITCHED LEG AND UNSWITCHED LEG TO MAINTAIN BATTERIES. TYPICAL FOR EACH FLOOR.
 2. SEE "DETAIL - STAIRWELL LIGHTING".

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 Sheet title
 ELECTRICAL FLOOR PLAN-SECOND FLOOR-LIGHTING
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THIRD FLOOR PLAN - ELECTRIC - LIGHTING
 1/4" = 1'-0" NOTES: 1. SEE "DETAIL - STAIRWELL LIGHTING".

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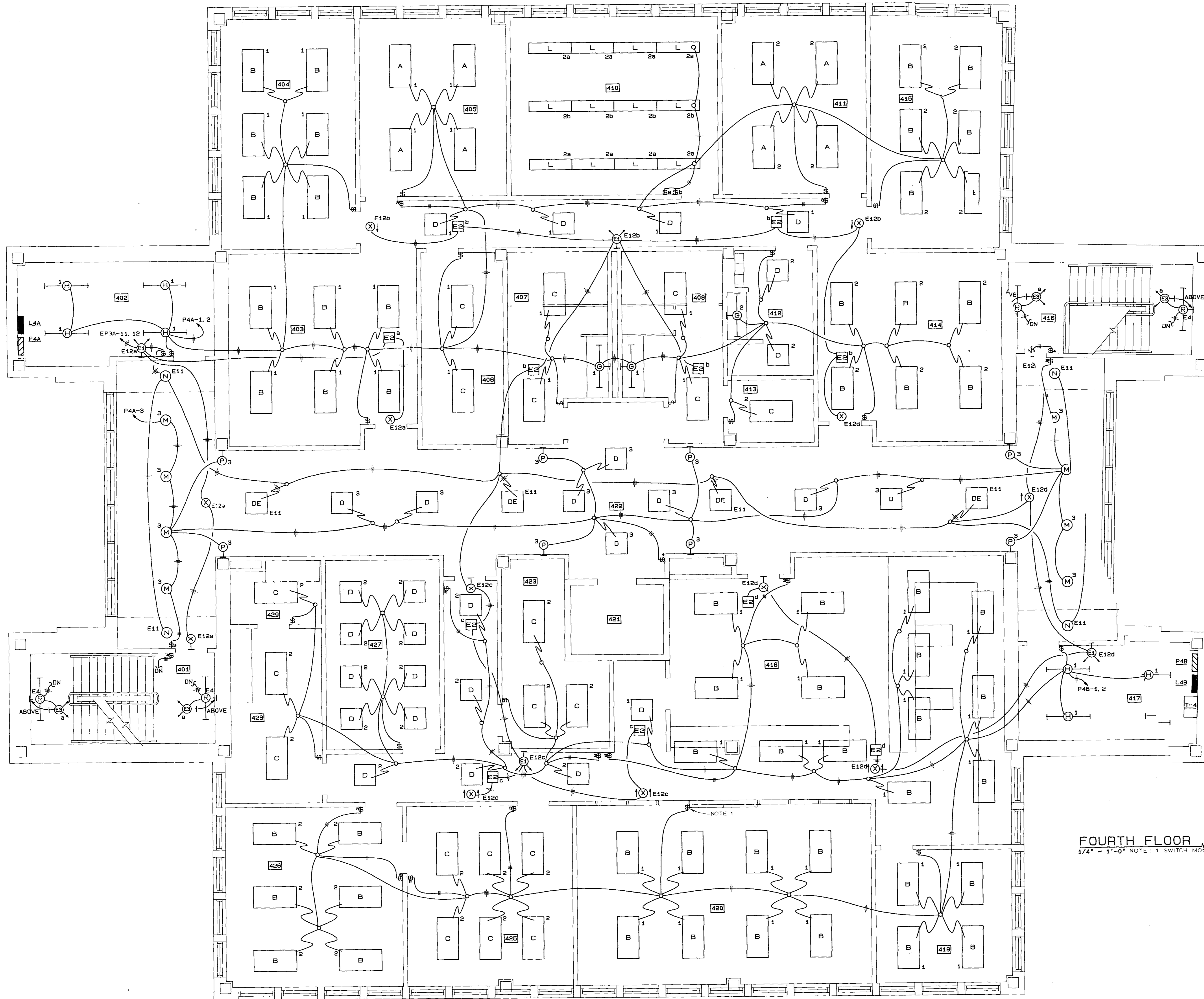
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Project No
 41-225

Sheet title
 ELECTRICAL FLOOR
 PLAN-THIRD
 FLOOR-LIGHTING

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 OF 14

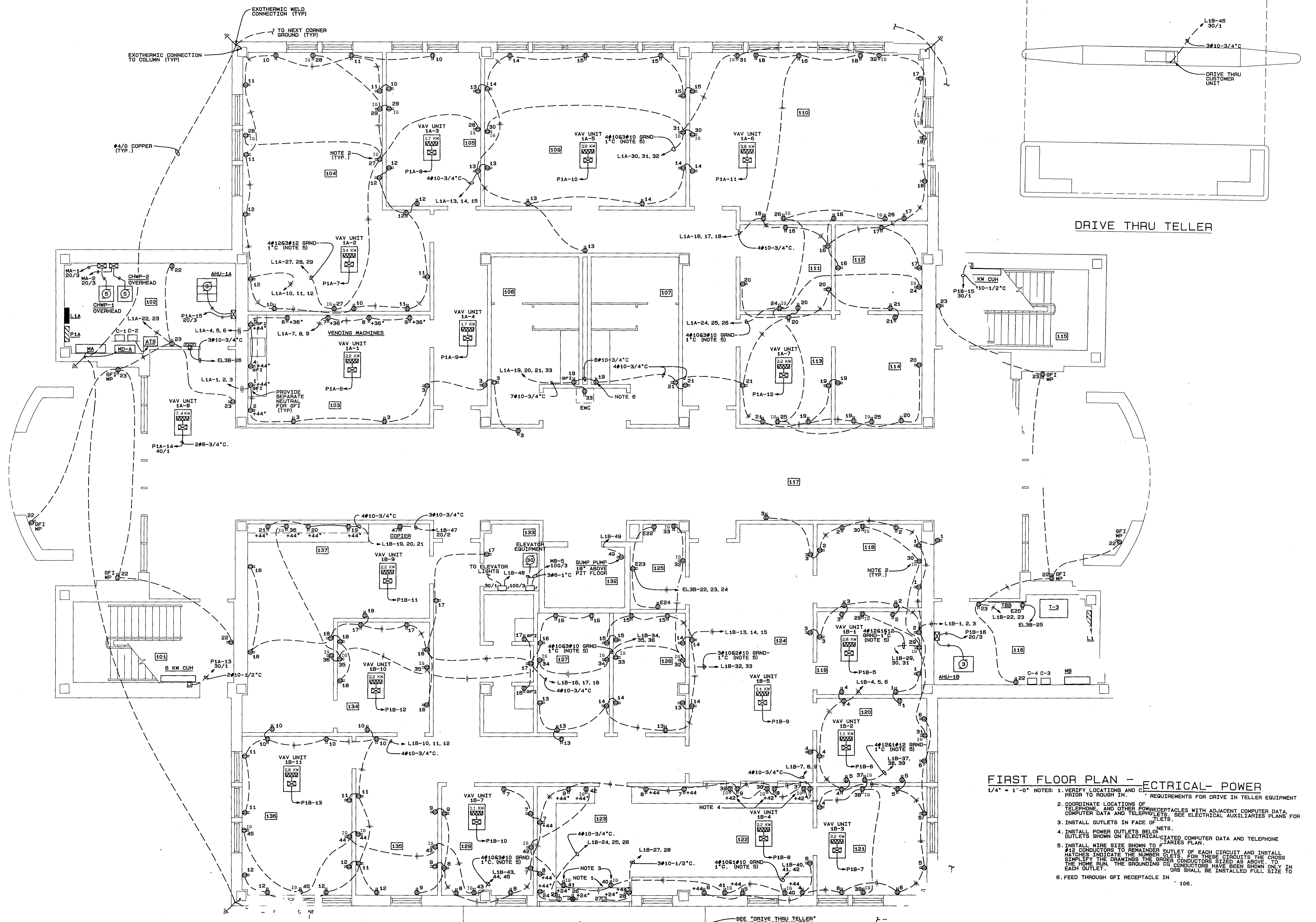


FOURTH FLOOR PLAN - ELECTRICAL - LIGHTING
 1/4" = 1'-0" NOTE: 1. SWITCH MOUNTED IN MULLION, COORDINATE WITH MULLION SUPPLIER.

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 Sheet title
 ELECTRICAL FLOOR PLAN-FOURTH FLOOR-LIGHTING
 Sheet No
E-7
 OF 14



FIRST FLOOR PLAN - ELECTRICAL - POWER
 1/4" = 1'-0" NOTES: 1. VERIFY LOCATIONS AND REQUIREMENTS FOR DRIVE IN TELLER EQUIPMENT PRIOR TO ROUGH IN. 2. COORDINATE LOCATIONS OF TELEPHONE, AND OTHER POWER RECEPTACLES WITH ADJACENT COMPUTER DATA, COMPUTER DATA AND TELEPHONE PLANS. SEE ELECTRICAL AUXILIARIES PLANS FOR DETAILS. 3. INSTALL OUTLETS IN FACE OF WALLS. 4. INSTALL POWER OUTLETS BELOW COMPUTER DATA AND TELEPHONE OUTLETS SHOWN ON ELECTRICAL AUXILIARIES PLANS. 5. INSTALL WIRE SIZE SHOWN TO REMAINDER OF EACH CIRCUIT AND INSTALL MATCHES INDICATE THE NUMBER OF CLETS. FOR THESE CIRCUITS THE CROSS SECTION OF THE CONDUIT SHALL BE SIZED AS ABOVE TO SIMPLIFY THE DRAWINGS THE GROUND CONDUCTORS SHOWN ONLY IN EACH OUTLET. THE GROUNDING CONDUCTORS HAVE BEEN SHOWN ONLY IN 106. 6. FEED THROUGH GFI RECEPTACLE IN 106.

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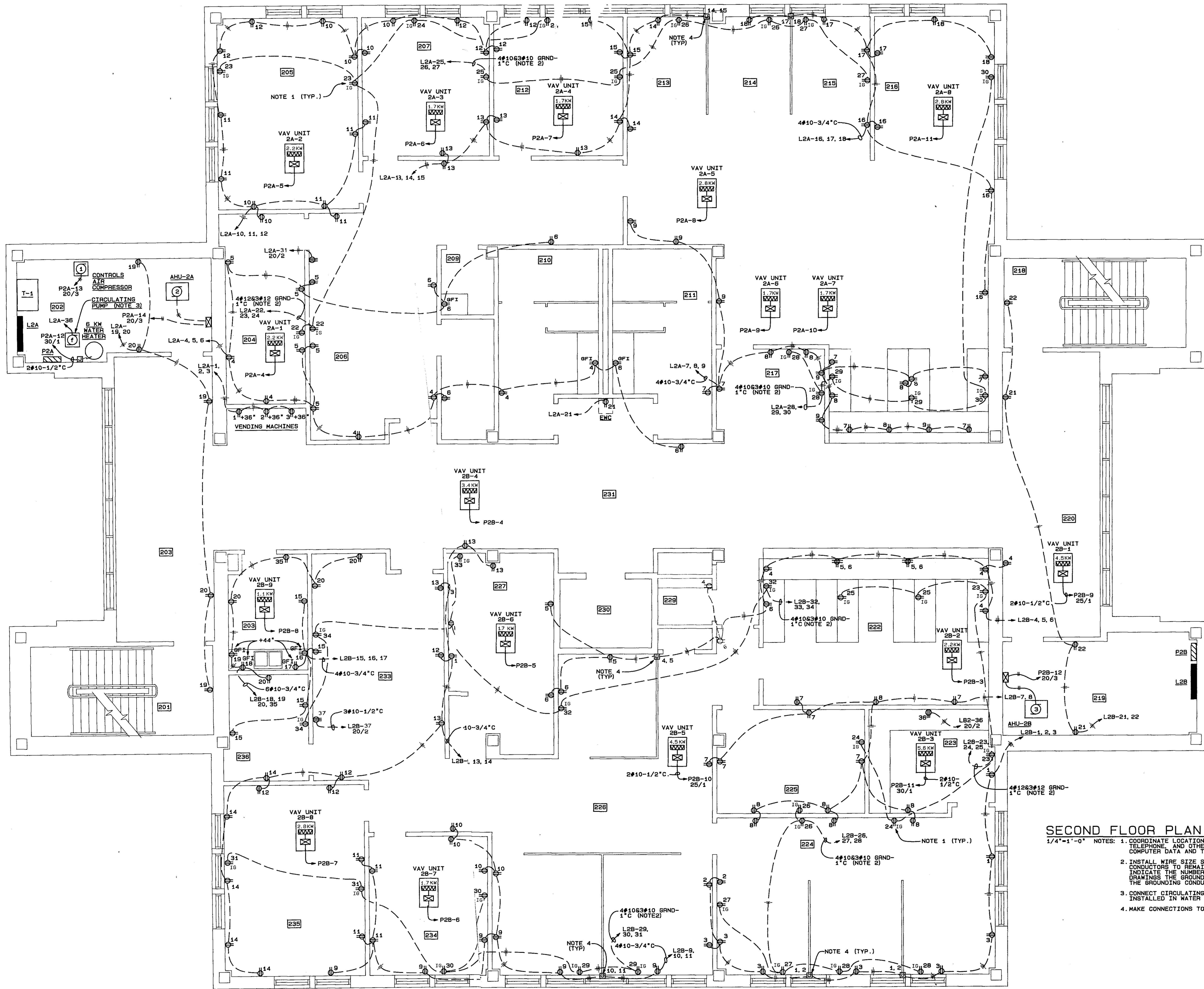
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Project No
 41-225

Sheet title
 ELECTRICAL FLOOR PLAN - FIRST FLOOR - POWER

Sheet No
 E-1



SECOND FLOOR PLAN - ELECTRICAL - POWER

- 1/4"=1'-0" NOTES: 1. COORDINATE LOCATIONS OF *16" RECEPTACLES WITH ADJACENT COMPUTER DATA, TELEPHONE, AND OTHER POWER OUTLETS. SEE ELECTRICAL AUXILIARIES PLANS FOR COMPUTER DATA AND TELEPHONE OUTLETS.
2. INSTALL WIRE SIZE SHOWN TO FIRST OUTLET OF EACH CIRCUIT AND INSTALL #12 CONDUCTORS TO REMAINDER OF OUTLETS. FOR THESE CIRCUITS THE CROSS HATCHES INDICATE THE NUMBER OF POWER CONDUCTORS SIZED AS ABOVE. TO SIMPLIFY THE DRAWINGS THE GROUNDING CONDUCTORS HAVE BEEN SHOWN ONLY IN THE HOME RUN. THE GROUNDING CONDUCTORS SHALL BE INSTALLED FULL SIZE TO EACH OUTLET.
3. CONNECT CIRCULATING PUMP CIRCUITING THROUGH AQUASTAT FURNISHED AND INSTALLED IN WATER LINE BY PLUMBING CONTRACTOR.
4. MAKE CONNECTIONS TO MOVABLE PARTITIONS AS REQUIRED.

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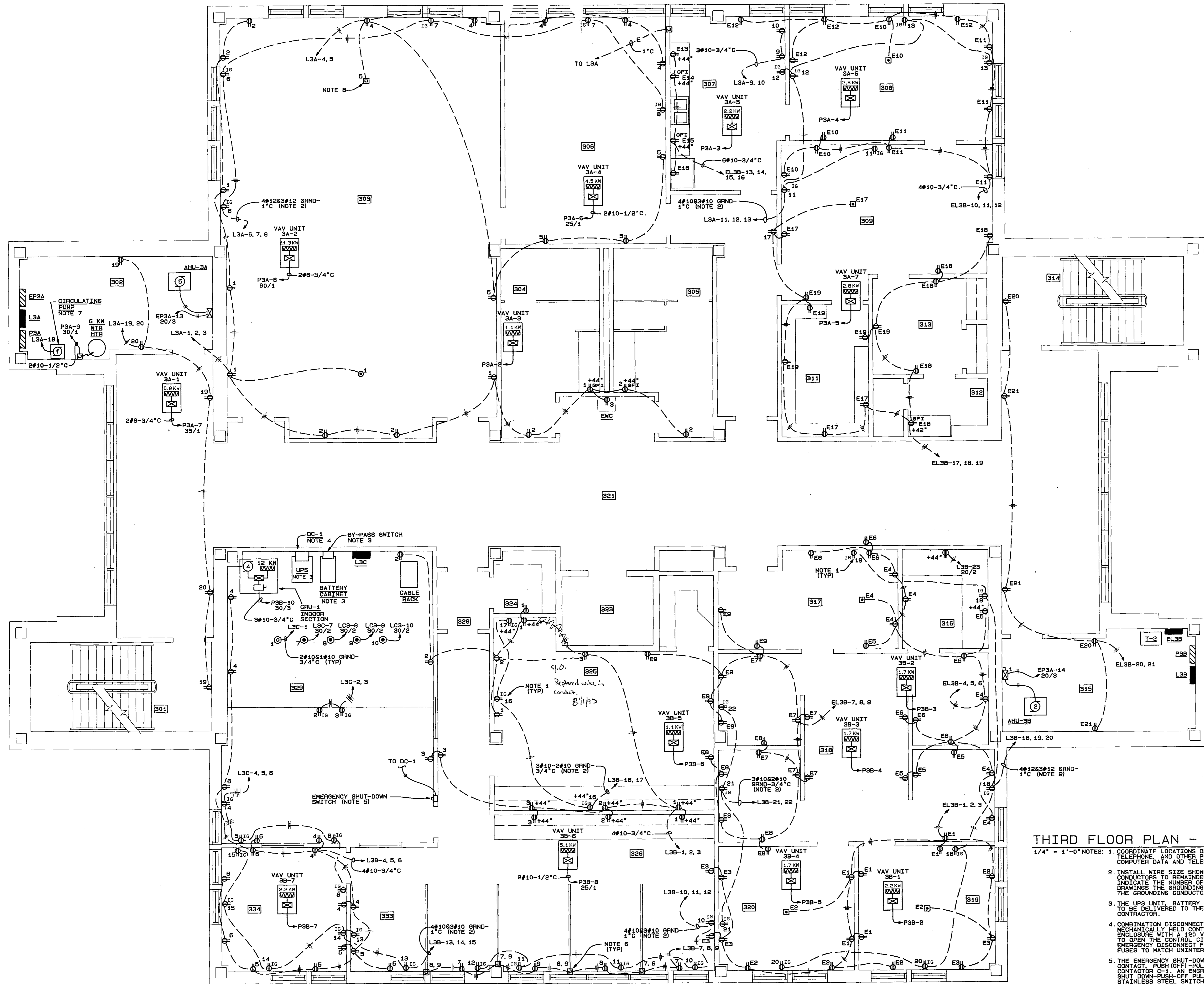
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Project No: 41-225

Sheet title: ELECTRICAL FLOOR PLAN-SECOND FLOOR-POWER

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THIRD FLOOR PLAN - ELECTRICAL - POWER

- 1/4" = 1'-0" NOTES:
- COORDINATE LOCATIONS OF "IG" RECEPTACLES WITH ADJACENT COMPUTER DATA, TELEPHONE AND OTHER POWER OUTLETS. SEE ELECTRICAL AUXILIARIES PLANS FOR COMPUTER DATA AND TELEPHONE OUTLETS.
 - INSTALL WIRE SIZE SHOWN TO FIRST OUTLET OF EACH CIRCUIT AND INSTALL #12 CONDUCTORS TO REMAINDER OF OUTLETS. FOR THESE CIRCUITS THE CROSS HATCHES INDICATE THE NUMBER OF POWER CONDUCTORS SIZED AS ABOVE TO SIMPLIFY THE DRAWINGS. THE GROUNDING CONDUCTORS HAVE BEEN SHOWN ONLY IN THE HOME RUN. THE GROUNDING CONDUCTORS SHALL BE INSTALLED FULL SIZE TO EACH OUTLET.
 - THE UPS UNIT, BATTERY CABINET, AND BY-PASS SWITCH ARE EXISTING EQUIPMENT TO BE DELIVERED TO THE SITE BY THE OWNER AND INSTALLED BY THE ELECTRICAL CONTRACTOR.
 - COMBINATION DISCONNECT/CONTACTOR, DC-1, SHALL BE A 100 AMP, 3 POLE, MECHANICALLY HELD CONTACTOR WITH A FUSIBLE DISCONNECT IN A NEMA 12 ENCLOSURE WITH A 150 VOLT, FUSED CONTROL CIRCUIT AND AN AUXILIARY CONTACT TO OPEN THE CONTROL CIRCUIT FOR CRU-1. THE UNIT SHALL SERVE AS THE EMERGENCY DISCONNECT FOR L3C/UPS AND FOR CRU-1 (CONTROL CIRCUIT). PROVIDE FUSES TO MATCH UNINTERRUPTIBLE POWER SUPPLY (UPS).
 - THE EMERGENCY SHUT-DOWN SWITCH SHALL BE A FLUSH MOUNTED MOMENTARY CONTACT, PUSH (OFF) - PULL (RESET) SWITCH WITH RED MUSHROOM HEAD OPERATING CONTACTOR C-1. AN ENGRAVED RED MICARTA PLATE(S) ENGRAVED WITH "EMERGENCY SHUT DOWN-PUSH-OFF PULL-RESET" SHALL BE PERMANENTLY INSTALLED ON THE STAINLESS STEEL SWITCH PLATE.
 - MAKE CONNECTIONS TO THE MOVABLE PARTIONS AS REQUIRED.
 - CONNECT CIRCULATING PUMP CIRCUITING THROUGH AQUASTAT FURNISHED AND
 - INSTALL SAME BOX AS FOR TELEPHONE AND DATA OUTLETS EXCEPT INSTALL TWO 3/4" CONDUITS TO ABOVE THIRD FLOOR CEILING FOR FUTURE SOUND SYSTEM CIRCUITING.

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Sheet title
ELECTRICAL FLOOR PLAN-THIRD FLOOR-POWER

Sheet No
E-10

PRE-BID CONFERENCE

ITB: FM 29-18 Replacement of 69 VAV Boxes for Water & Sewer Department

DATE/TIME: April 3, 2018/ 10:00 AM PURCHASING REPRESENTATIVE: DeRita Mason

PLEASE PRINT NEATLY & CLEARLY! IF AVAILABLE, PLEASE LEAVE BUSINESS CARD

<u>BUSINESS NAME</u>	<u>PRINT YOUR NAME</u>	<u>PHONE</u>	<u>EMAIL ADDRESS</u>
Purchasing	DeRita Mason	ph:	
Purchasing	Matthew Young	ph:	
WATER & SEWER	MARK GRIFFIN	ph: (850) 651-7176	mgriffin@myokaloosa.com
Cathey Construction	Brian Cathey	ph: (850) 648-5100 (850) 340-1849	bcbc@catheyconstruction.com
water & sewer	Steve	ph:	
WATER & SEWER	Harold Debi	ph: 850-978-0013	
BAYOU MECH	MIKE KING	ph: 598-4004	MK.BAYOU@AOL.COM
SYSTEMS SPECIALTY	Jack Bilby	ph: 554 3448	jack@ssiFLA.com
WDR MECHANICAL	Billy Bannette	ph: 850-432-0160	Billy@wdrmechanical.com

