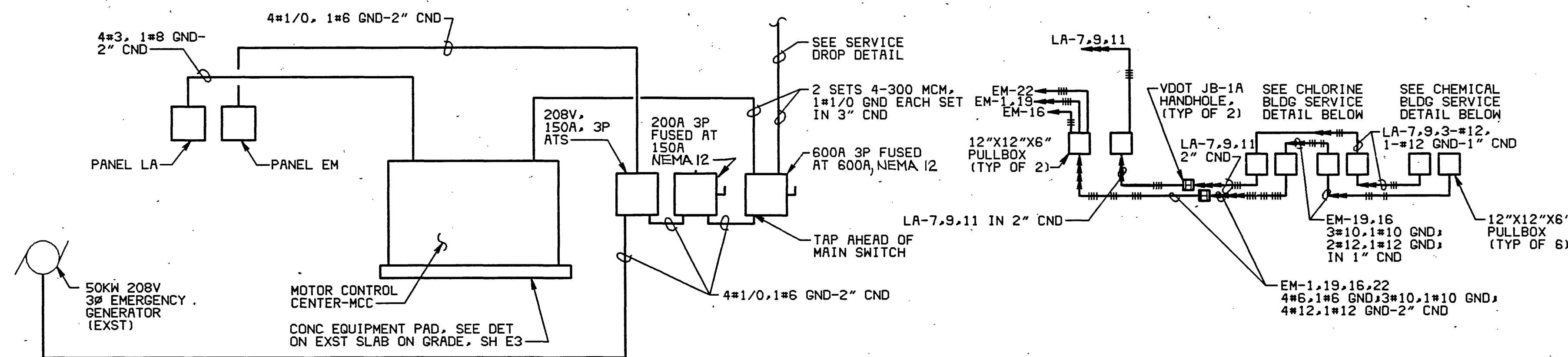


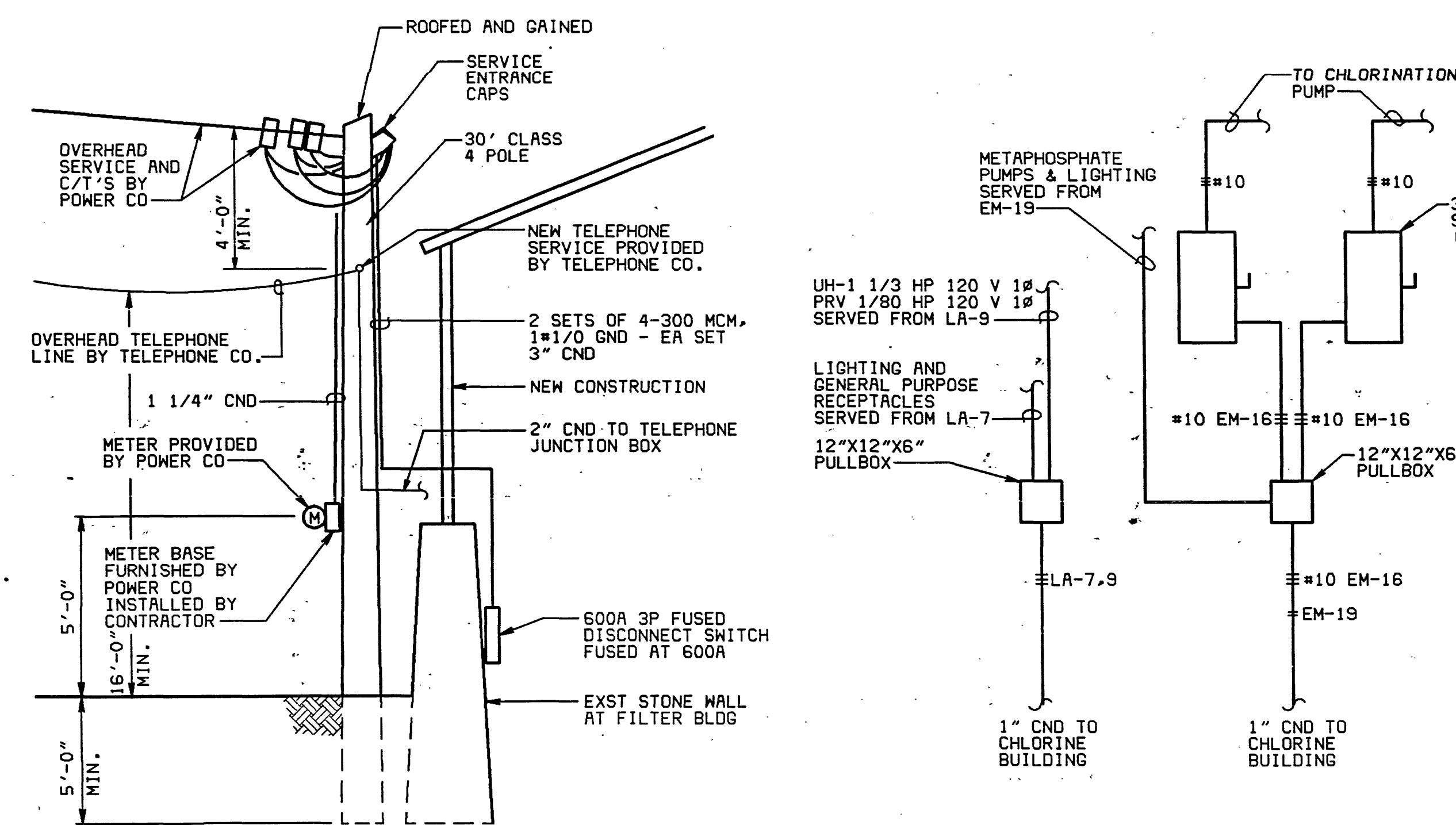
[illegible]

NOTE: 1. PUSHBUTTON AT FILTER PANEL

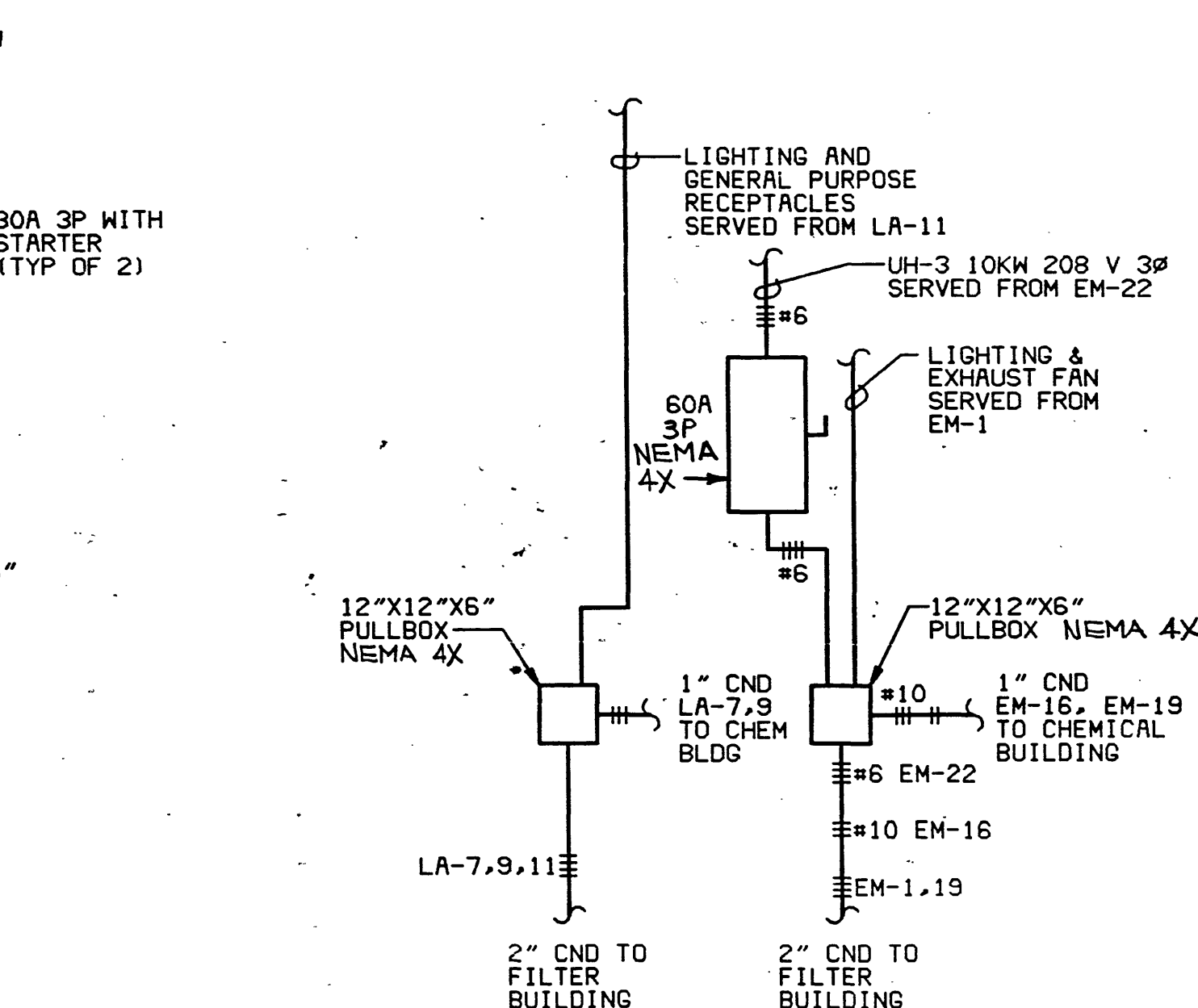


MCC ELEVATION
SCALE: NO SCALE

POWER RISER DIAGRAM
SCALE: NO SCALE

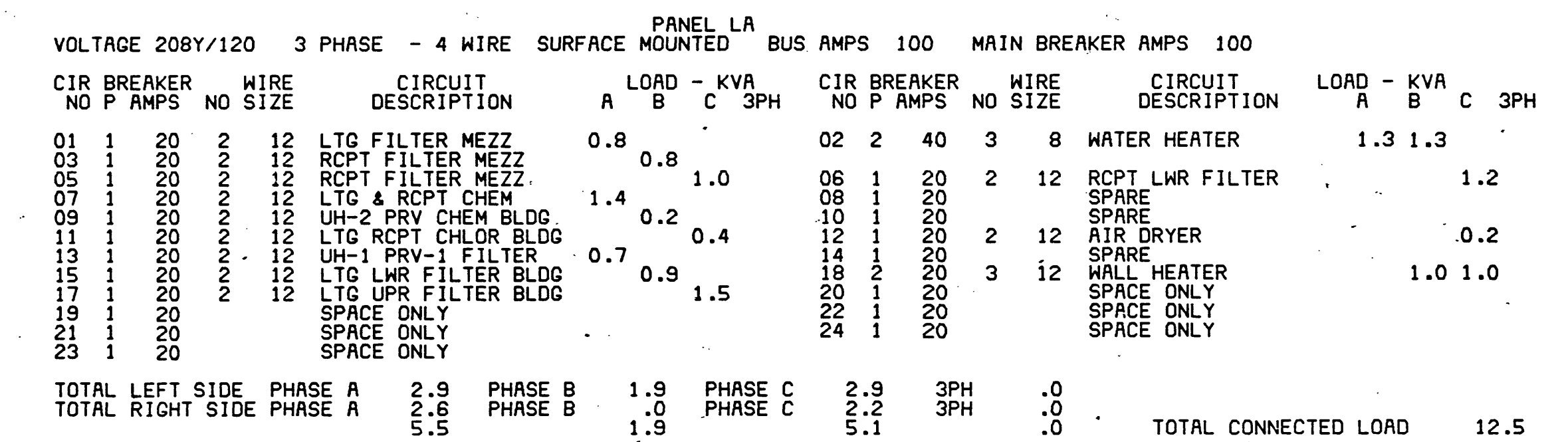


SERVICE DROP DETAIL
SCALE: NO SCALE



CHLORINE BUILDING
SERVICE DETAIL
SCALE: NO SCALE

						PANEL EM									
VOLTAGE 208Y/120				3 PHASE - 4 WIRE		SURFACE MOUNTED	BUS AMPS	200	MAIN BREAKER AMPS 150						
CIR BREAKER	NO	WIRE SIZE	CIRCUIT DESCRIPTION	A	LOAD B	KVA C	3PH	CIR BREAKER	NO	WIRE SIZE	CIRCUIT DESCRIPTION	A	LOAD B	KVA C	3PH
01	1	20	2	12	CHLOR LTC-F1 EF2	1.5									
03	1	20	2	12	POLYMER FEED	0.7	0.2	04	3	35	3	10	FILTER WATER PUMP		6.0
07	1	20	2	12	CHEM FEED PUMP										
09	1	20	2	12	LEVEL SWITCH	0.9		10	3	35	3	10	FILTER WATER PUMP		6.0
09	1	20	2	12	FLOCLUATOR	0.7	0.9	16	3	30	3	10	CHLORINATION PUMP		6.0
13	1	20	2	12	CHEM MIXER	0.9									
15	1	20	2	12	CHEM MIXER	0.7	0.7								
19	1	20	2	12	FLOCLUATOR	1.0		22	3	50	4	6	UH-3 CHLOR BLDG		10.0
21	1	20	2	12	FLOCLUATOR	0.7	0.9	26	20				SPACE ONLY		
25	1	20	2	12	CHEM MIXER	1.0		28	20				SPACE ONLY		
25	1	20	2	12	FILTER BLDG LTC	1.0		30	20				SPACE ONLY		
29	2	20	3	12	PTAC OFFICE	1.3	1.3	32	20				SPACE ONLY		
31	1	20	2	12	INST PNL PMR	1.0		34	20				SPACE ONLY		
33	1	20	2	12	INST PNL XMTRS	0.5	1.0	36	20				SPACE ONLY		
35	1	20	2	12	FILTER PNL PMR			38	20				SPACE ONLY		
37	1	20	2	12	FILTER PNL XMTRS	0.5		40	20				SPACE ONLY		
39	1	20	2	12	SPACE ONLY			42	20				SPACE ONLY		
41	1	20	2	12	SPACE ONLY										
TOTAL LEFT SIDE	PHASE A	5.3	PHASE B	5.4	PHASE C	2.7	3PH	.0							
TOTAL RIGHT SIDE	PHASE A	.0	PHASE B	.0	PHASE C	2.7	3PH	28.0							
		5.3		5.4		2.7		28.0							
COMMENTS														41.4	
FED VIA AUTOMATIC TRANSFER SWITCH															
TOTAL CONNECTED LOAD														41.4	



	CONDUIT RUN CONCEALED IN CEILING OR WALL. HATCHED LINES DENOTE NUMBER OF CONDUCTORS WHEN OTHER THAN TWO.		DUPLEX RECEPTACLE, MH 1'-6" UNLESS OTHERWISE NOTED, WP DENOTES WEATHERPROOF, GFCI DENOTES GROUND FAULT CIRCUIT INTERRUPTER.
	CONDUIT RUN CONCEALED IN OR UNDER FLOOR OR BELOW GRADE		SPECIAL PURPOSE RECEPTACLE, NEMA 6-20R
	CONDUIT RUN EXPOSED		JUNCTION BOX
	HOME RUN, NUMBER OF ARROWS DENOTE NUMBER OF CIRCUITS, LETTERS AND NUMBERS DESIGNATE PANEL AND CIRCUITS.		AUTOMATIC TRANSFER SWITCH
	CONDUIT TURNED UP		DISCONNECT SWITCH, SIZE AS INDICATED
	CONDUIT TURNED DOWN		MOTOR STARTER OR CONTROLLER
	INCANDESCENT OR HID LIGHTING FIXTURE, CEILING MOUNTED, EM DENOTES EMERGENCY CIRCUIT		MOTOR ON PIECE OF EQUIPMENT, NUMBER DENOTES HORSEPOWER.
	INCANDESCENT OR HID LIGHTING FIXTURE, WALL MOUNTED.		PANELBOARD, MH 6'-0" TO TOP
	FLUORESCENT LIGHTING FIXTURE, EM DENOTES EMERGENCY CIRCUIT		TELEPHONE OUTLET, MH 48" UNLESS OTHERWISE NOTED, PROVIDE 3/4" CND TO TEL JB
	SINGLE POLE SWITCH, MH 4'-0" EXCEPT AS NOTED SUBSCRIPT DENOTES SWITCH CONTROL, WP DENOTES WEATHERPROOF HOUSING		COMBINATION STARTER WITH DISCONNECT SWITCH, SIZE AS INDICATED
	SWITCH, MANUAL MOTOR, MH 4'-0" EXCEPT AS NOTED, WP DENOTES WEATHERPROOF		

1. COORDINATE THE LOCATIONS AND MOUNTING HEIGHTS OF LIGHTING FIXTURES WITH THE FINAL LOCATIONS OF PIPES, DUCTS, AND OTHER EQUIPMENT FOR BEST ARRANGEMENT. FIXTURES SHALL BE EASILY ACCESSIBLE FOR RELAMPING.
2. MOUNTING HEIGHTS, UNLESS OTHERWISE NOTED, ARE TO CENTERLINE OF EQUIPMENT, EXCEPT MOUNTING HEIGHTS OF LIGHTING FIXTURES WHICH IS TO BOTTOM OF FIXTURE.
3. CIVIL AND MECHANICAL EQUIPMENT IS SHOWN IN APPROXIMATE LOCATIONS, FOR EXACT LOCATIONS OF EQUIPMENT AND PIPING SEE CIVIL AND ARCHITECTURAL DRAWINGS.
4. GROUND CONDUCTORS ARE NOT INDICATED IN BRANCH CIRCUIT RACEWAYS. PROVIDE GROUND CONDUCTORS AS INDICATED AND SPECIFIED.
5. CONTRACTOR SHALL COORDINATE THE EXACT LOCATIONS OF POWER AND SIGNAL DUCTS WITH NEW AND EXISTING UNDERGROUND UTILITIES FOR BEST LOCATION. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHALL BE VERIFIED BEFORE EXCAVATION IS STARTED.
6. DISCONNECT SWITCHES WHERE NOT INDICATED ON EQUIPMENT SHALL BE PROVIDED PER NEC.
7. PENETRATIONS THRU FLOOR OR FIRE WALLS SHALL BE SEALED TO MAINTAIN THE WALLS AND FLOORS FIRE RATING INTEGRITY.
8. PENETRATIONS THROUGH EXTERIOR WALLS SHALL BE SEALED WITH WEATHERPROOF GROUT.

	8/93	RECORD DRAWING		
	7/89	CHANGE PER VDH COMMENTS	JRK	MD
REVISION	DATE	DESCRIPTION	BY	APP
DESIGNED	BLR	FALLING CREEK WATER PLANT CITY OF ROANOKE, VIRGINIA		
DRAWN	JKB			
CHECKED	KDS			
APPROVED	<i>MD</i>			
SUBMITTED	<i>MD</i>	PANELS & DIAGRAMS		
HAYES, SEAY, MATTERN & MATTERN ARCHITECTS - ENGINEERS - PLANNERS ROANOKE, VIRGINIA		SCALE	AS NOTED	COMM. NO. 4296
		DATE	30 MAY 1989	SHEET E2

