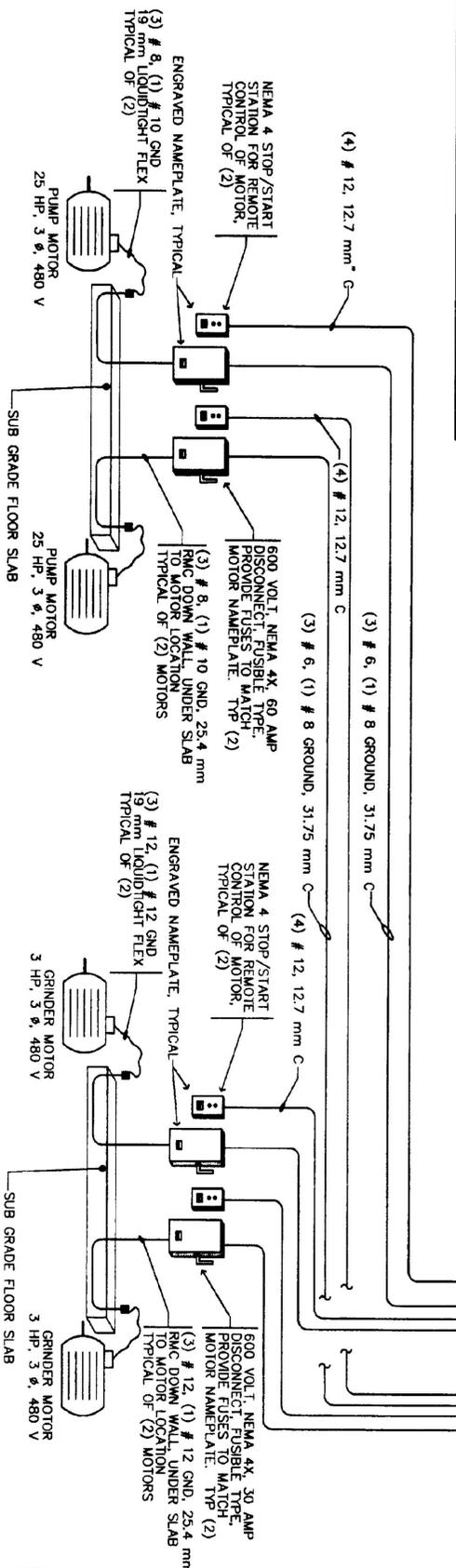
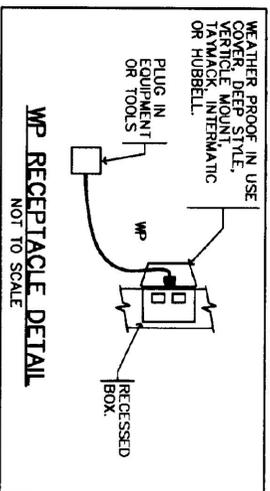
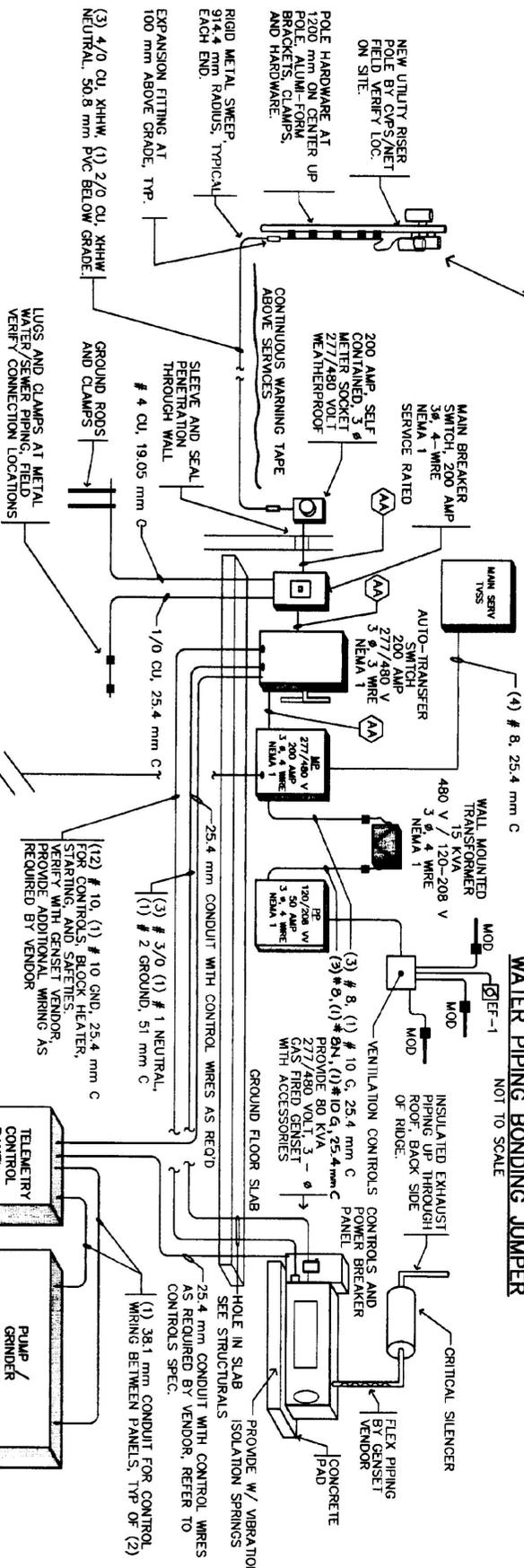


PANEL	MP	VOLTAGE	277/480	PHASE	3	MAIN	200	A - MLD	MCB
TYPE: PANEL BOARD	LOADCENTER	PLUG IN	BOLT DN	FAULT RATING	10000				
LOCATION: GROUND FLOOR	MOUNTING: SURFACE								
DIRECTORY	TRIP	A Ø	B Ø	C Ø	TRIP	DIRECTORY			
TRANSFORMER	30/3	1	5000	7500	5000	7500	2	50/3	SPARE
		3	5000	7500	5000	7500	4		
		5	5000	7500	5000	7500	6		
PUMP CONTROL PANEL	150/3	7	20000	20000	20000	20000	8	30/3	SPARE
		9	20000	20000	20000	20000	10		
		11	1000	1000	1000	1000	12		
TVSS	40/3	13	100	4100	100	4100	14	30/1	WATER HEATER
		15	100	500	100	500	16	20/1	SPARE
		17	100	500	100	500	18	20/1	SPARE
SPARE	20/3	19	1000	1200	1000	1200	20	40/3	SPARE
		21	1000	1200	1000	1200	22		
		23	1000	1200	1000	1200	24		
CONNECTED LOAD			39900	36300	36300	36300			NOTES
DEMAND	100 %		39900	36300	36300	36300			(B) BREAKER LOCK KIT
TOTAL DEMAND LOAD			112900						(G) GROUND FAULT BREAKER SERVICE EQUIPMENT RATED

PANEL	PP	VOLTAGE	120/208	PHASE	3	MAIN	50	A - MLD	MCB
TYPE: PANEL BOARD	LOADCENTER	PLUG IN	BOLT DN	FAULT RATING	10000				
LOCATION: FIRST FLOOR	MOUNTING: SURFACE								
DIRECTORY	TRIP	A Ø	B Ø	C Ø	TRIP	DIRECTORY			
EXTERIOR LIGHTING	20/1	1	600	900	1500	2	20/1	GROUND FLOOR RECEPTACLES	
GROUND FLOOR LIGHTING	20/1	3	500	500	500	4	20/1	SPARE	
SUB-GRADE LIGHTING	20/1	5	750	750	750	6	20/1	SPARE	
		7	500	360	500	8	20/1	EXTERIOR RECEPTACLES	
(B) FLOW METER	20/1	9	500	500	500	10	20/1	HVAC CONTROLS	
(B) ALARM PANEL	20/1	11	500	500	500	12	20/1	SUMP PUMP 1/3 HP	
UNIT HEATER	20/1	13	500	500	500	14	20/1	GENERATOR CONTROLS	
(B) CONTROL PANEL POWER	20/1	15	500	500	500	16	20/1	SPARE	
EXHAUST FAN	20/1	17	500	500	500	18	30/1	DEHUMIDIFIER	
TELEMETRY PANEL	30/2	19	1000	1500	1000	20	20/3	SPARE	
GENERATOR JACKET HTR.		21	1000	1500	1000	22			
SPARE		23	1000	1500	1000	24			
CONNECTED LOAD			5860	6500	5450				NOTES
DEMAND	100 %		5860	6500	5450				(B) BREAKER LOCK KIT
TOTAL DEMAND LOAD			17810						(G) GROUND FAULT BREAKER

BANK OF (3) SINGLE PHASE TRANSFORMERS BY CUPS. EG TO EXTEND CONDUITS AND SERVICE LATERAL CONDUCTORS UP TO TOP OF SERVICE LATERAL AND BACK CONDUCTORS FOR UTILITY CO TERMINATION.



ELECTRICAL RISER DIAGRAM

NOT TO SCALE

NO.	DATE	REVISIONS	DRWN	CHKD
4	12/24/96	CONTRACT PLANS	CTS	WRW
1	4/9/98	INTERNAL REVIEW		

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 FAX 802-776-8915

PROJECT NO. IM 091-1 (29)
WATER & SEWER EXTENSION PROJECT
 TOWN OF GUILFORD
 TOWN OF BRATTLEBORO

STATE OF VERMONT
AGENCY OF TRANSPORTATION
SOUTHEAST VERMONT WELCOME CENTER
 GUILFORD, VERMONT

DESIGN BY: WRW
 DRAWN BY: CTS
 CHECKED BY: WRW
 DATE: 01/02/96

SHEET TITLE: ELECTRICAL WIRING DIAGRAM AND PANEL SCHEDULES
 SHEET NO. 40 OF 55 SHEETS