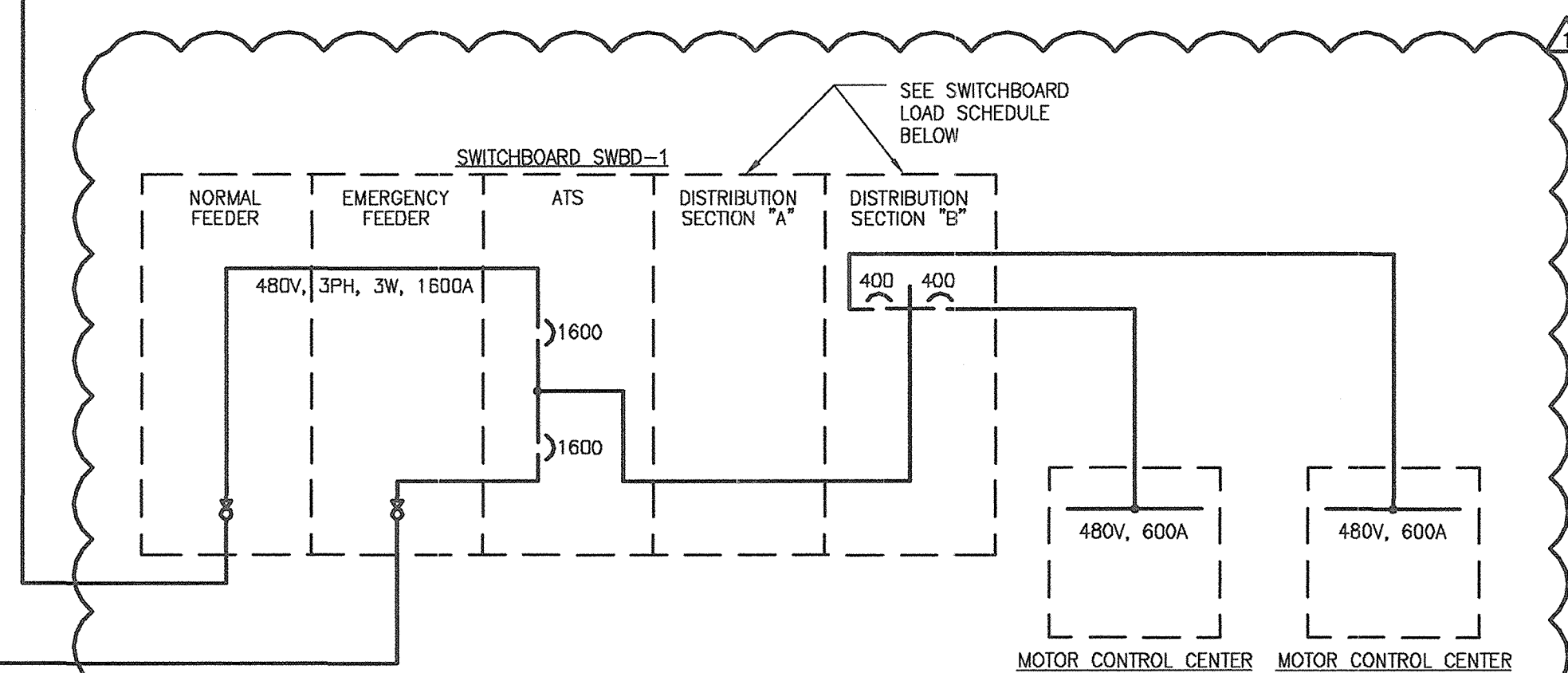


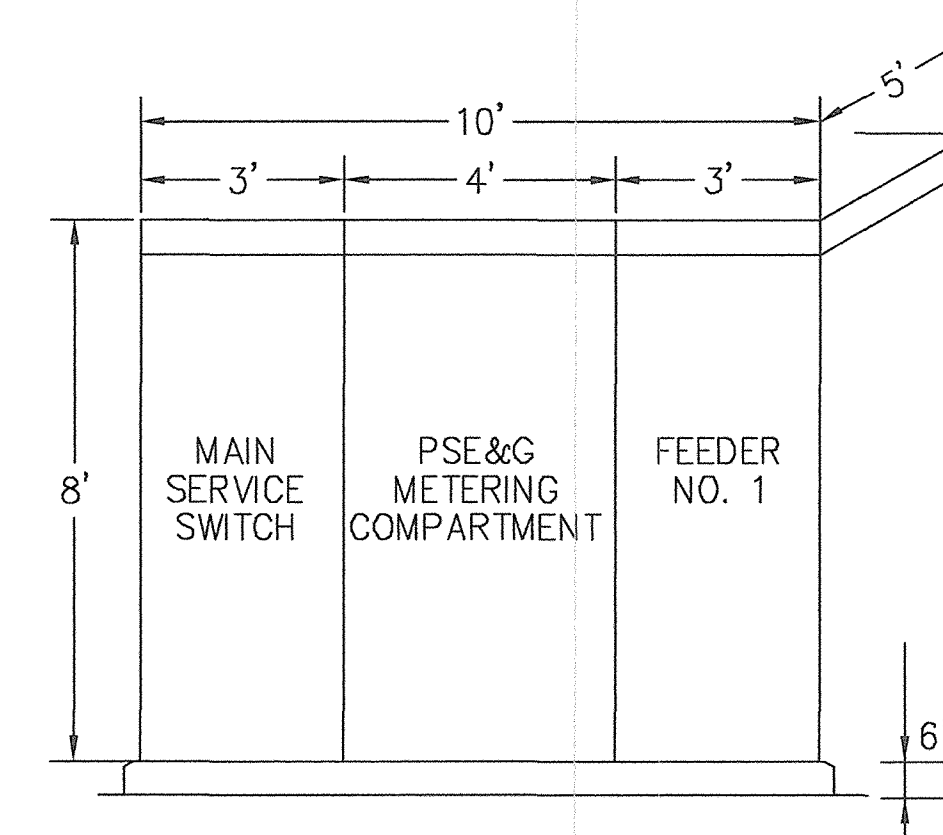


PLANT-WIDE ONE LINE DIAGRAM
SCALE: NO SCALE

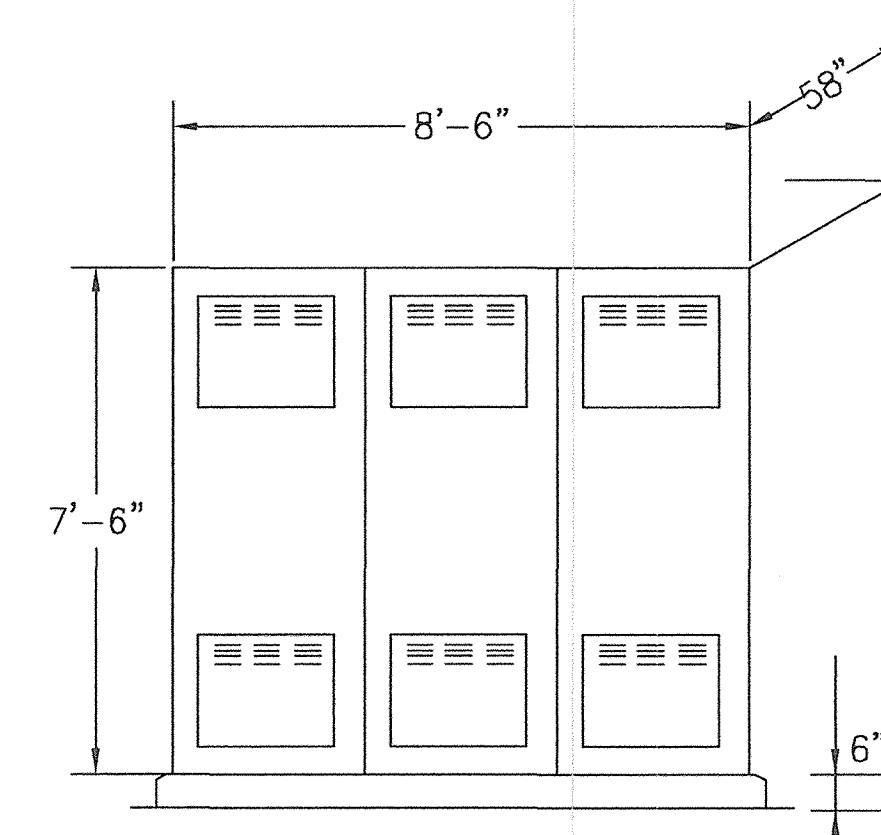
SWITCHBOARD SWBO-1 – DISTRIBUTION SECTION "A"						
480V, 1600A, 3PH, 65KAIC, NEMA 1						
LOADS	TRIP	CKT	LOADS	TRIP	CKT	
SPD-2 (TVSS)						
MAKE UP AIR UNIT MAU-1	15A	1	PUMP HOIST NO. 1	15A	2	
EXHAUST FAN EF-2	15A	3	EXHAUST FAN EF-3	15A	4	
BRIDGE CRANE NO. 2	15A	5	SPARE	15A	6	
COMMUNUTOR	15A	7	BRIDGE CRANE NO. 1	15A	8	
GRIT/SCREENINGS CONVEYOR CP	15A	9	PUMP HOIST NO. 2	15A	10	
GATE OPERATOR NO. 2	15A	11	DUMPSTER CONTROL PANEL	15A	12	
DRAIN PUMP CONTROL PANEL	100A	13	GATE OPERATOR NO. 1	15A	14	
DISTRIBUTION PANEL DP-2	100A	15	DISTRIBUTION PANEL DP-3	100A	16	
SERVICE WATER CONTROL PANEL	100A	17	DISTRIBUTION PANEL DP-1	100A	18	
75KVA TRANSFORMER (LP-1,2,3,4)	150A	19	EFFLUENT PUMP CONTROL PANEL	150A	20	

SWITCHBOARD SWBO-1 -- DISTRIBUTION SECTION "B"						
480V, 1600A, 3PH, 65KVA, NEMA 1						
LOADS	TRIP	CKT	LOADS	TRIP	CKT	
MCC-1F	400	1	MCC-1R	400A	2	
SPARE	15A	3	SPARE	15A	4	
VLR BLOWER NO. 1	350	5	VLR BLOWER NO. 2	350A	6	
PROVISION ONLY		7	VLR BLOWER NO. 3	350A	8	
ROOF TOP UNIT RTU-3	25A	9	PROVISIONS ONLY		10	
HEADWORKS UNIT NO. 1	70A	11	HEADWORKS UNIT NO. 2	70A	12	
ODOR CONTROL NO. 3	30A	13	ROOF TOP UNIT RTU-1	25A	14	
ODOR CONTROL NO. 1	30A	15	ODOR CONTROL NO. 2	30A	16	
SPARE	15A	17	SPARE	15A	18	
PUMP HOIST NO. 3	15A	19	SPARE	15A	20	

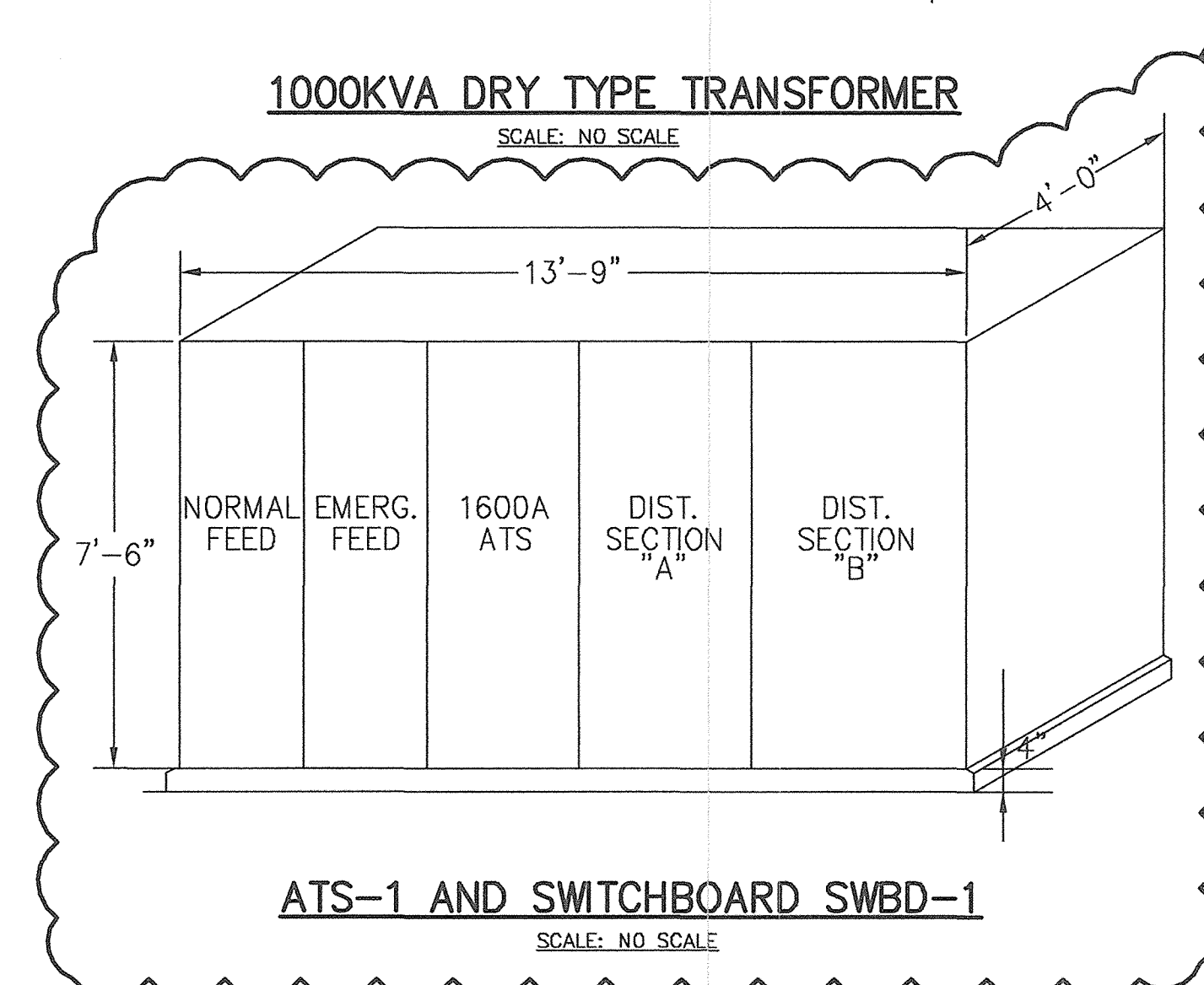
SWITCHBOARD SWBD-1 - LOAD SCHEDULE



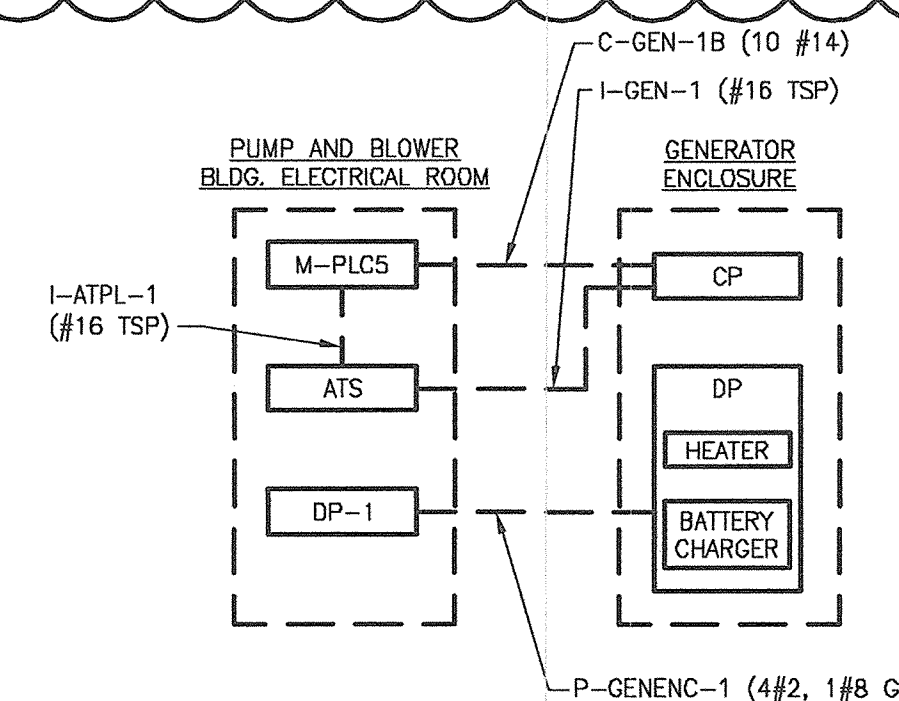
13.2KV MAIN SERVICE SWITCHGEAR
SCALE: NO SCALE



1000KVA DRY TYPE TRANSFORMER
SCALE: NO SCALE



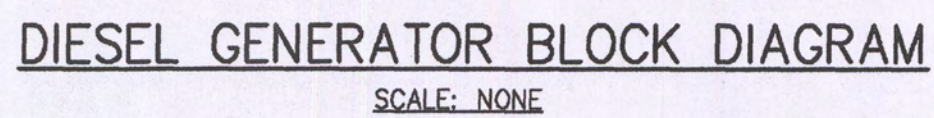
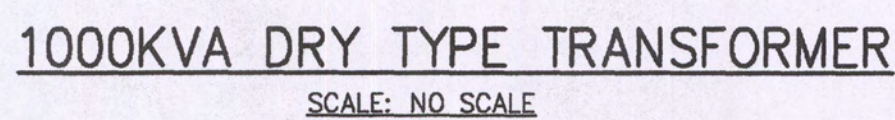
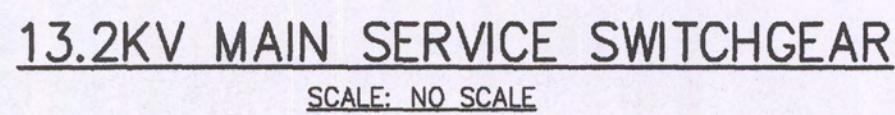
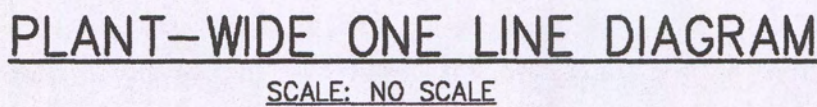
ATS-1 AND SWITCHBOARD SWBD-1
SCALE: NO SCALE



DIESEL GENERATOR BLOCK DIAGRAM

RECORD DRAWINGS

WINTER PLANT UPGRADE AND EXPANSION MAPLE AVENUE WASTEWATER TREATMENT PLANT	CLIENT: MOUNT HOLLY MUNICIPAL UTILITIES AUTHORITY	DATE: APRIL 2008 DESIGNED BY: E. JAMES DRAWN BY: E. JAMES CHECKED BY: E. ANABA	 RICHARD A. ALAIMO ASSOCIATES Consulting Engineers NJDCA 246A27988600 200 HIGH STREET 2 MARKET STREET MOUNT HOLLY, N.J. 08060	REVISIONS DATE BY	METCALF & EDDY AECOM CERTIFICATE OF AUTHORIZATION No. 24080004700
		PROJECT LOCATION: TWO-BURY RD. IN-0030-0301 BURLINGTON TOWNSHIP BURLINGTON COUNTY NEW JERSEY CONTRACT NO.: 2008-1		REVISED DISTRIBUTION SYS. JAN. 10 DRA ISSUED FOR BID SEPT. 08 DRA	
PLANT-WIDE ONE LINE DIAGRAM AND ELEVATIONS		SCALE: NONE	SHEET E804		
FILE NO.: 149					



480V, 3Ø, 3W, 60 HZ
FROM 1600A ATS-1

