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BEXLEY POLICE FACILITY
559 NORTH CASSINGHAM ROAD
BEXLEY, OHIO 43209

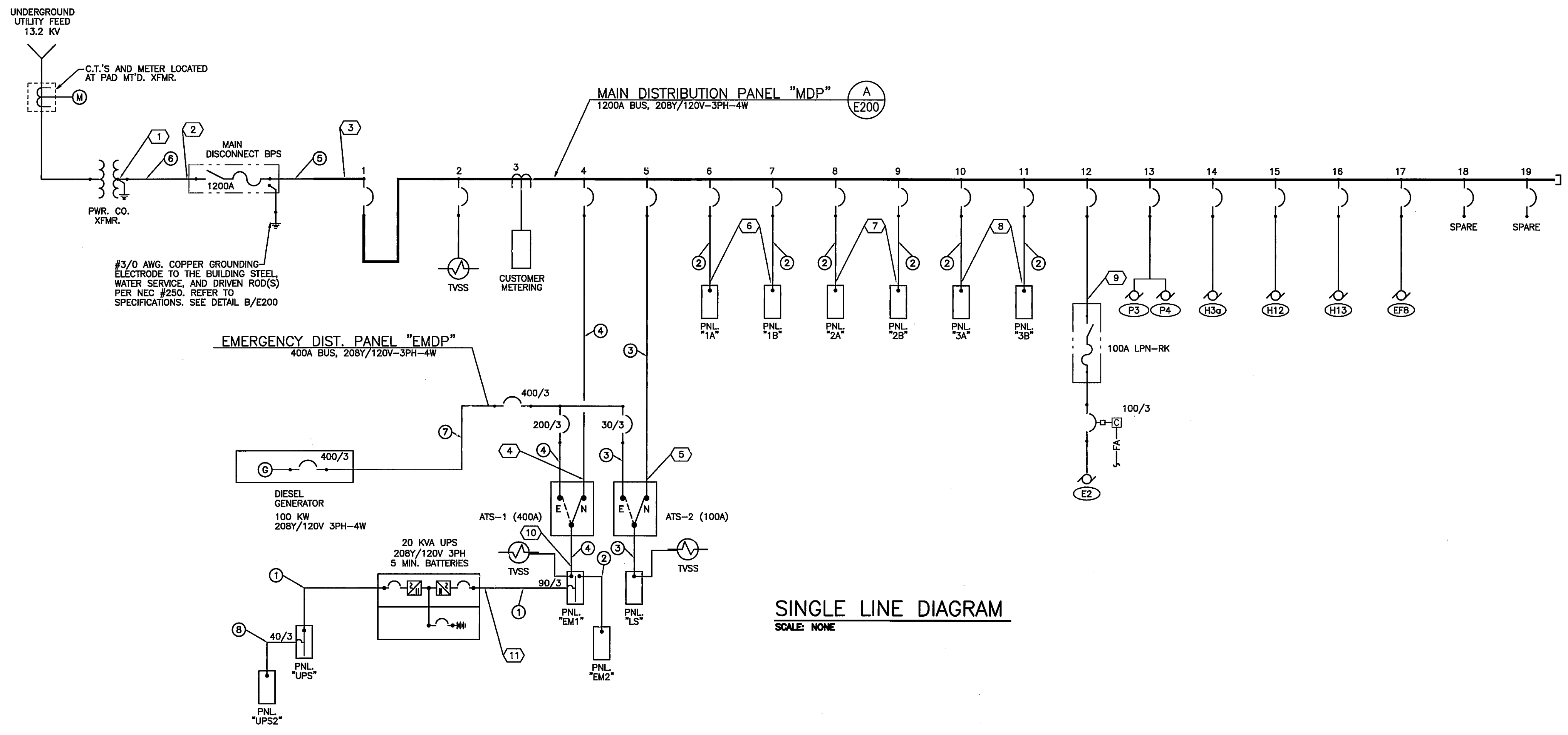
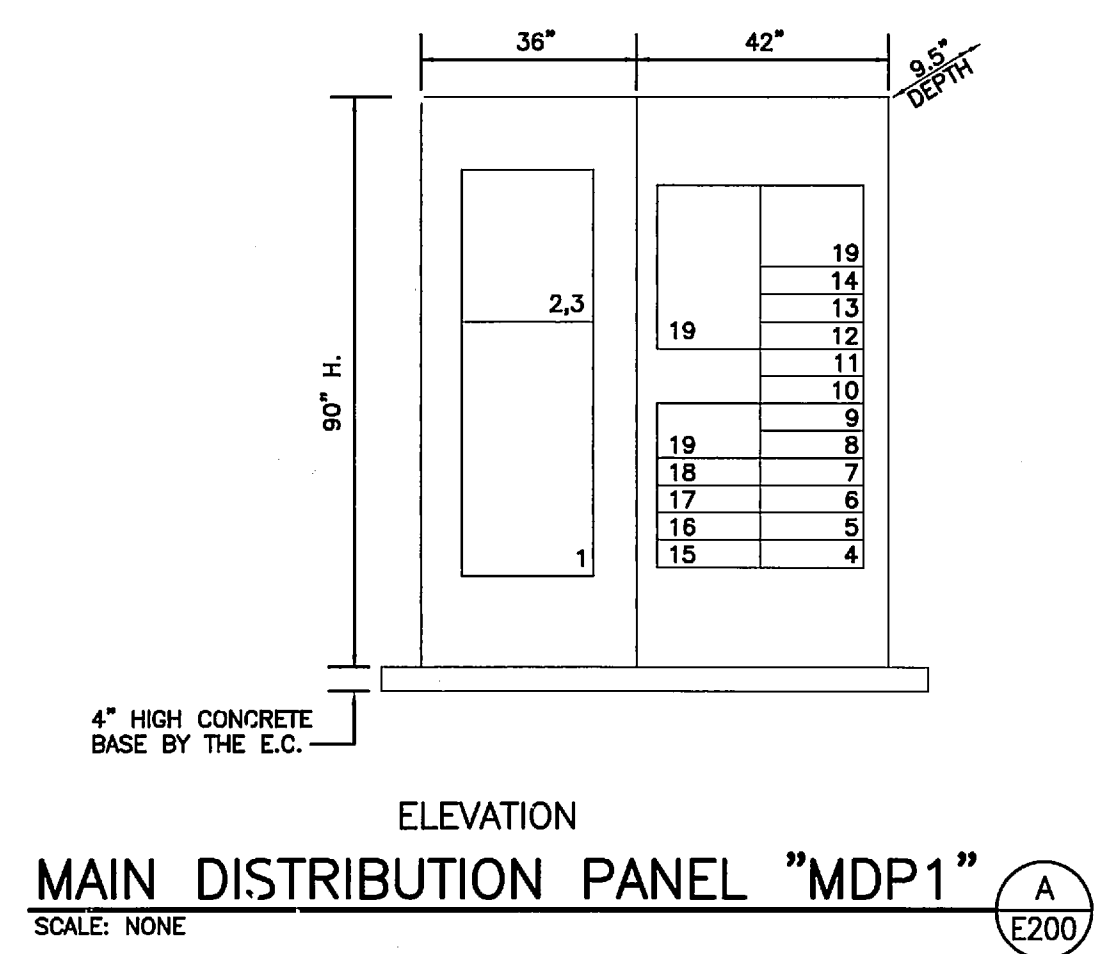
BIDDING DOCUMENTS
CONSTRUCTION DOCUMENTS
ADDENDUM

ELECTRICAL
SINGLE-LINE &
DISTRIBUTION

E200

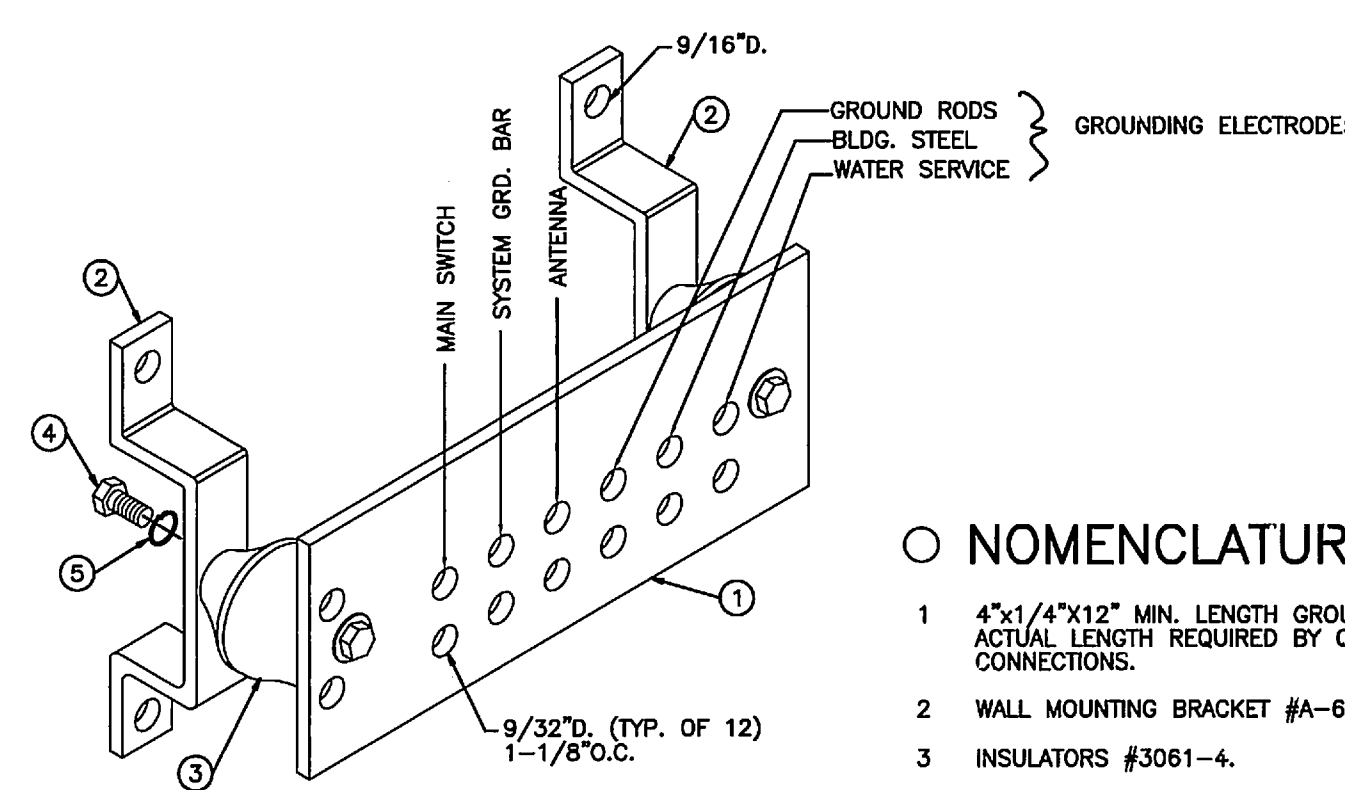
MAIN DISTRIBUTION PANEL "MDP"									
SPEC. REFERENCE NO.: 26 24 16					CONNECTED LOAD: 437.7 KVA				
MAIN BUSSING: 1200A					DEMAND LOAD: 303.7 KVA (843A)				
FEEDER SIZE: --					VOLTAGE: 208/120V-3PH-4W				
SWITCH OR UNIT NO.	NAMEPLATE	APPROX. CONNECTED KVA LOAD	OVERCURRENT PROTECTION			SEE NOTE	FEEDER		
			C/B FRAME SIZE	POLES	CS TRIP		NUMBER OF CONDUCTORS	WIRE SIZE	CONDUIT SIZE
1	MAIN BRKAKER		1200	3	1200	①	-	-	-
2	TVSS	-	100	3	30		-	-	INTERNALLY CONNECTED
3	CUSTOMER METERING	-	-	-	-		-	-	INTERNALLY CONNECTED
4	ATS-1/PANEL "EM1"	41.6	400	3	400		-	-	SEE FEEDER SCHEDULE
5	ATS-2/PANEL "LS"	5.9	100	3	100		-	-	SEE FEEDER SCHEDULE
6	PANEL "1A"	22.9	250	3	225		-	-	SEE FEEDER SCHEDULE
7	PANEL "1B"	52.3	250	3	225		-	-	SEE FEEDER SCHEDULE
8	PANEL "2A"	22.7	250	3	225		-	-	SEE FEEDER SCHEDULE
9	PANEL "2B"	45.1	250	3	225		-	-	SEE FEEDER SCHEDULE
10	PANEL "3A"	48.9	250	3	225		-	-	SEE FEEDER SCHEDULE
11	PANEL "3B"	21.4	250	3	225		-	-	SEE FEEDER SCHEDULE
12	ELEVATOR (E2)	22.0	250	3	100		-	-	SEE MSD&C SCHEDULE
13	HOT WATER PUMPS (P3, P4)	37.6	250	3	150		-	-	SEE MSD&C SCHEDULE
14	HEAT REJECTOR FAN (H30)	31.7	250	3	125		-	-	SEE MSD&C SCHEDULE
15	BLDG ROOFTOP UNIT (H12)	20.9	100	3	80		-	-	SEE MSD&C SCHEDULE
16	RANGE ROOFTOP UNIT (H13)	48.0	250	3	175		-	-	SEE MSD&C SCHEDULE
17	RANGE EXHAUST FAN (FFB)	16.7	100	3	60		-	-	SEE MSD&C SCHEDULE
18	SPARE	-	100	3	100		-	-	
19	SPARE	-	250	3	225		-	-	

① 100% RATED BREAKER W/GROUND FAULT.



FAULT CURRENT SCHEDULE					
REF. POINT	DESCRIPTION	EQUIP. RATING	AVAILABLE SHORT CIRCUIT AMPS	LET-THRU FAULT CURRENT AMPS	REMARKS
1	XFMR SECONDARY	-	17,865		
2	MAIN SWITCH	22,000	16,686		
3	"MDP"	22,000	15,384		
4	ATS-1	22,000	12,467		
5	ATS-2	10,000	2,375		
6	"1A" "1B"	22,000	11,342		
7	"2A" "2B"	22,000	12,431		
8	"3A" "3B"	22,000	13,751		
9	ELEVATOR	22,000	11,540		
10	"EM1"	22,000	11,928		
11	UPS	10,000	7,176		

FEEDER SIZES	
1	4 - #2 & 1 - #8 GRD. IN 1.5" C.
2	4 - #4/0 & 1 - #4 GRD. IN 2.5" C.
3	4 - #10 & 1 - #10 GRD. IN .75" C.
4	4 - #600KCMIL & 1 - #1 GRD. IN 4" C.
5	3 SETS OF 4 - #600KCMIL & 1 - #1 GRD. IN 4" C.
6	3 SETS OF 4 - #600KCMIL IN 4" C.
7	4 - #600KCMIL & 1 - #1 GRD. IN 4" C.
8	4 - #8 & 1 - #10 GRD. IN .75" C.



- NOMENCLATURE B E200
- 1 4"x1/4"x12" MIN. LENGTH GROUNDING BAR #A-6163. ACTUAL LENGTH REQUIRED BY QUANTITY OF GROUND CONNECTIONS.
 - 2 WALL MOUNTING BRACKET #A-6056.
 - 3 INSULATORS #3061-4.
 - 4 5/8-11x1" H.H.C.S. #3012-1.
 - 5 5/8" LOCKWASHER.

NOTE: ASSEMBLY AS MADE BY NEWTON INSTRUMENT COMPANY BUTNER, NC.
EC. TO LABEL EACH CONNECTION.

CENTRAL GROUND BAR B E200
SCALE: NONE