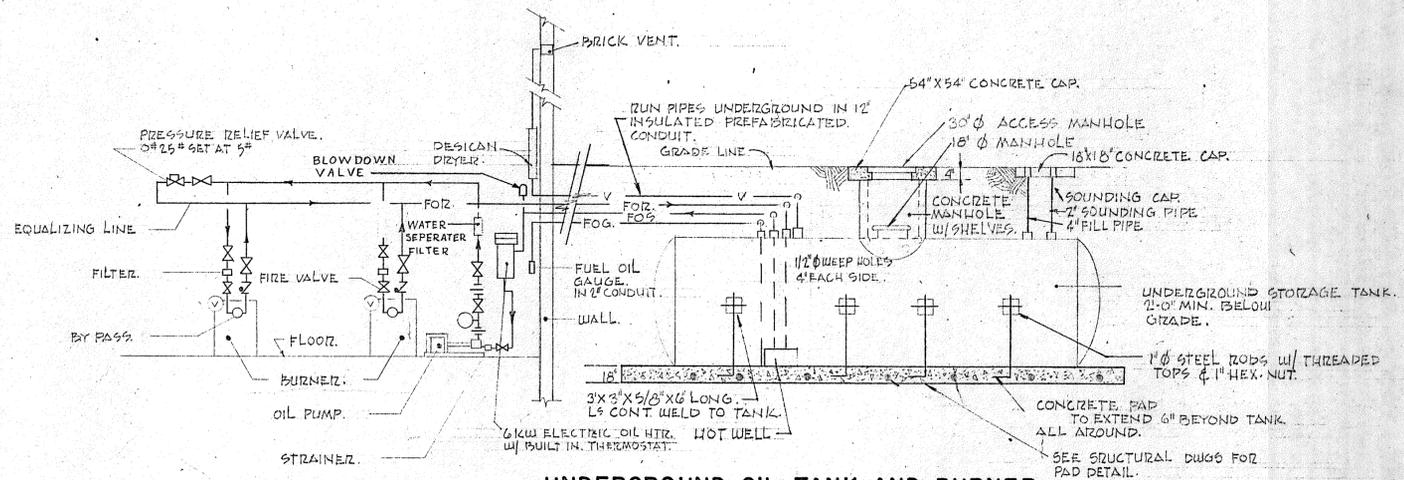


BASEMENT AT ELEVATION 100.0

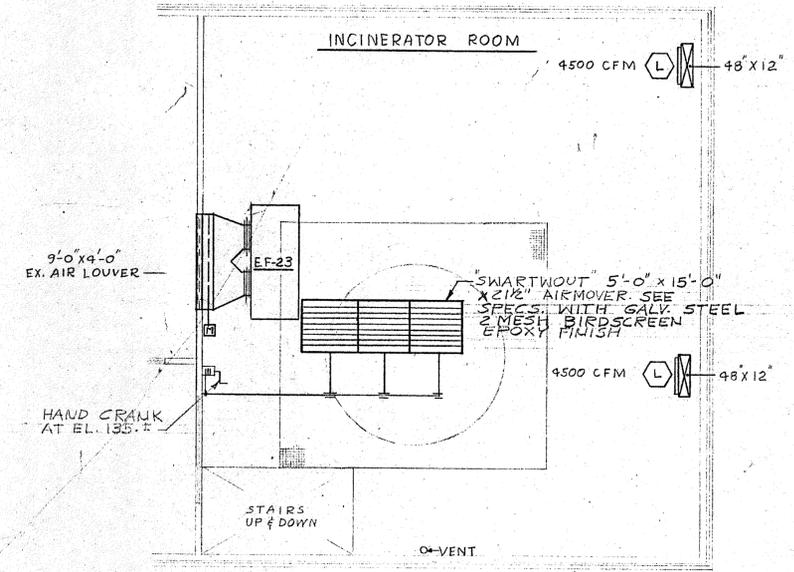
ALTERNATE PLAN AT ELEVATION 100.0



UNDERGROUND OIL TANK AND BURNER PIPING SCHEMATIC

NOTE:
SEE DWG. 30 FOR
GENERAL NOTES

NOTE:
TYPICAL FOR BOILER & INCINERATOR,
6KW OIL HTR. NOT REQUIRED FOR
INCINERATOR.



ALTERNATE PLAN AT ELEVATION 130.0

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: G.M. PETROCELLI DESIGNED: G.M. PETROCELLI
 CHECKED: D.C. RAICHE APPROVED: T.L. CARVOUNIS
 DATE: AUGUST, 1970

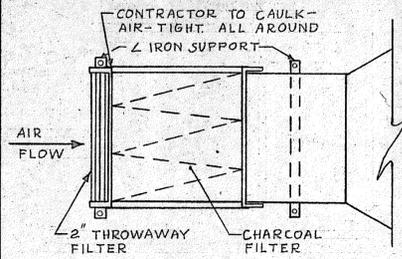
CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERFIELD, CONN. BOSTON, MASS.

APPROVED _____

TOWN OF STRATFORD

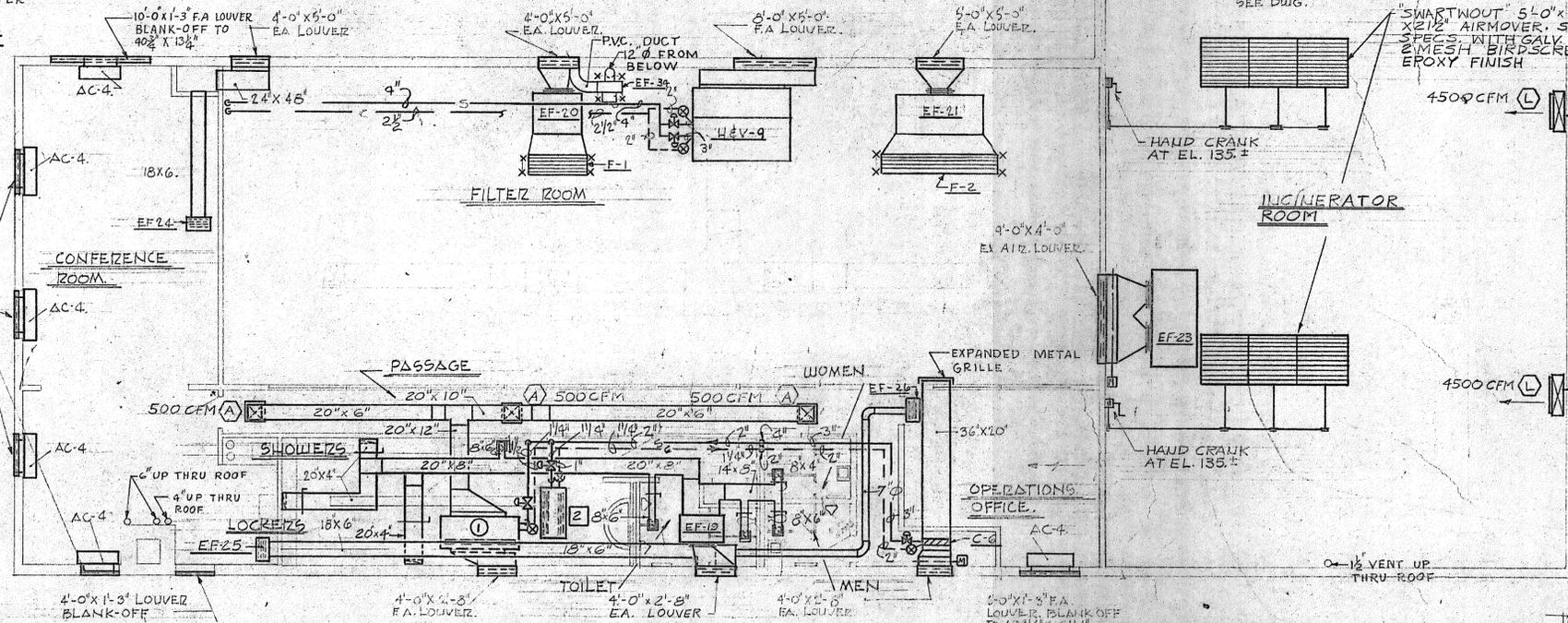
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 SLUDGE AND DEWATERING INCINERATION BUILDING
HEATING AND VENTILATING
 PLAN & SECTIONS

SCALE
 NO SCALE
 C.A.M. NO. 1165
 DRAWING NO.
125

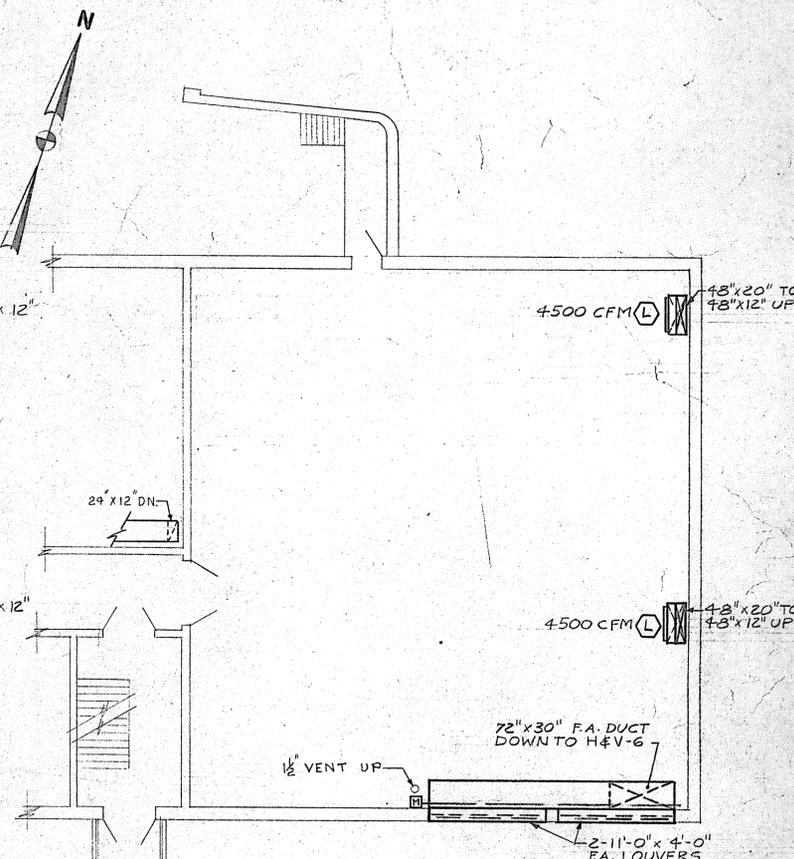


FILTER SCHEDULE							
SYM	MFGR	MODEL	SIZE	DIMENSIONS H VV	CFM	NO OF FILTERS	REMARKS
F-1	FARR	8FCL	24x24	48 72	7000	6	.20" PRESS DROP, TOTAL INST. WT. 1200#
F-2	"	"	48	144	14000	12	" " " " " " " 2900#
F-3	"	"	48	48	5000	4	" " " " " " " 800#
F-4	"	"	48	48	5000	4	" " " " " " " "
F-5	"	"	24	24	800	1	.10 " " " " " " " 200#

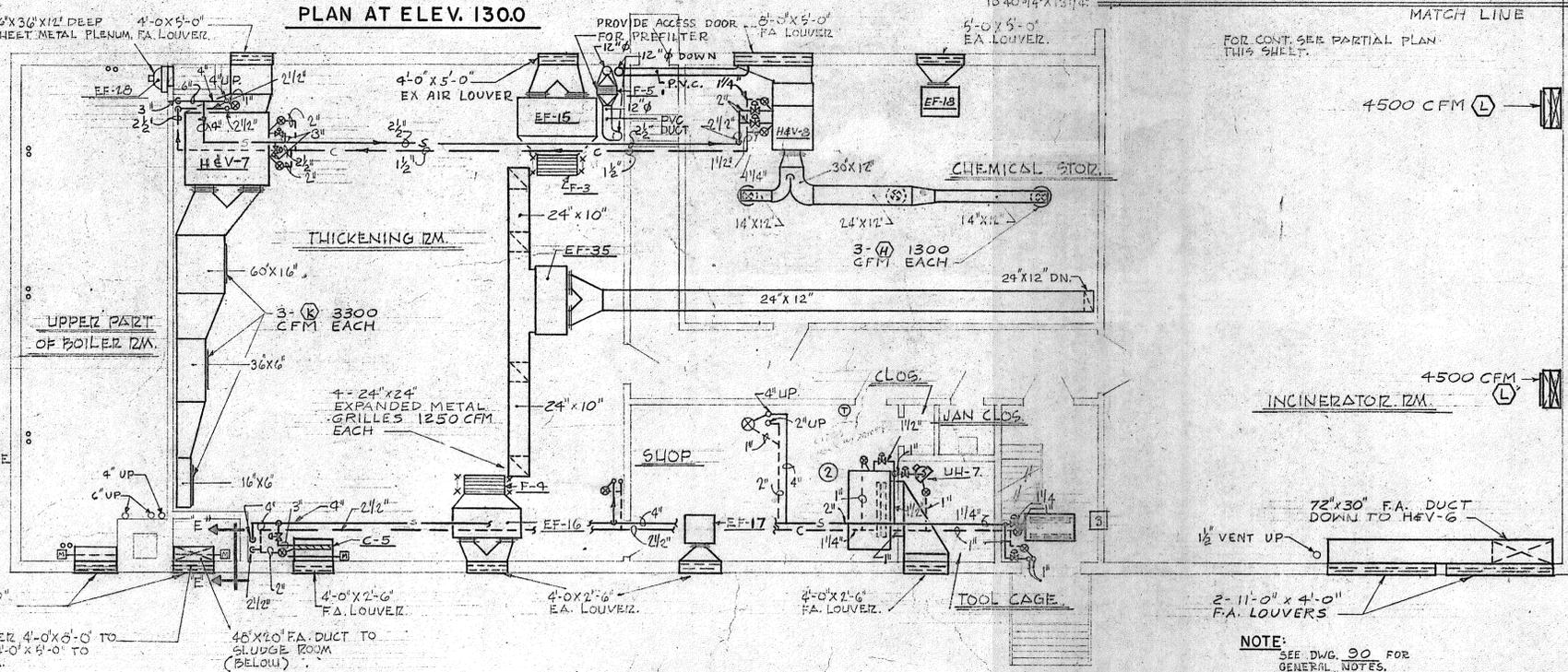
FILTER DETAIL
NO SCALE



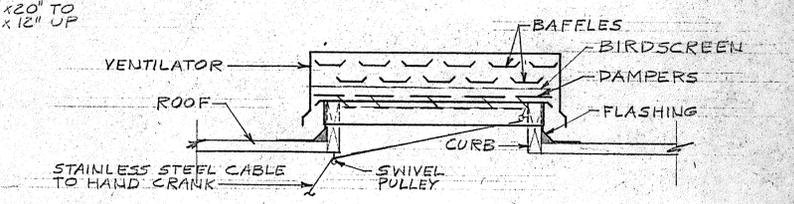
PLAN AT ELEV. 130.0



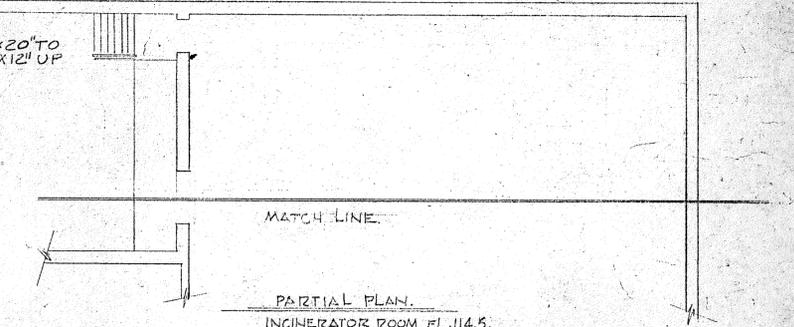
ALTERNATE PLAN AT EL. 114.5
NO SCALE



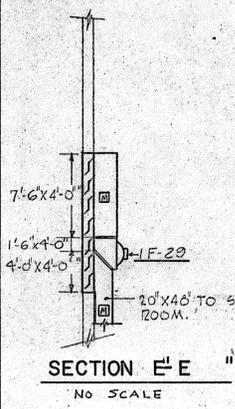
PLAN AT EL. 114.5



GRAVITY VENTILATOR DETAIL
NO SCALE



INCINERATION



SECTION E-E
NO SCALE

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: G.M. PETROCELLI DESIGNED: G.M. PETROCELLI
 CHECKED: D.C. RACHE APPROVED: T.L. CARVOUNIS
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

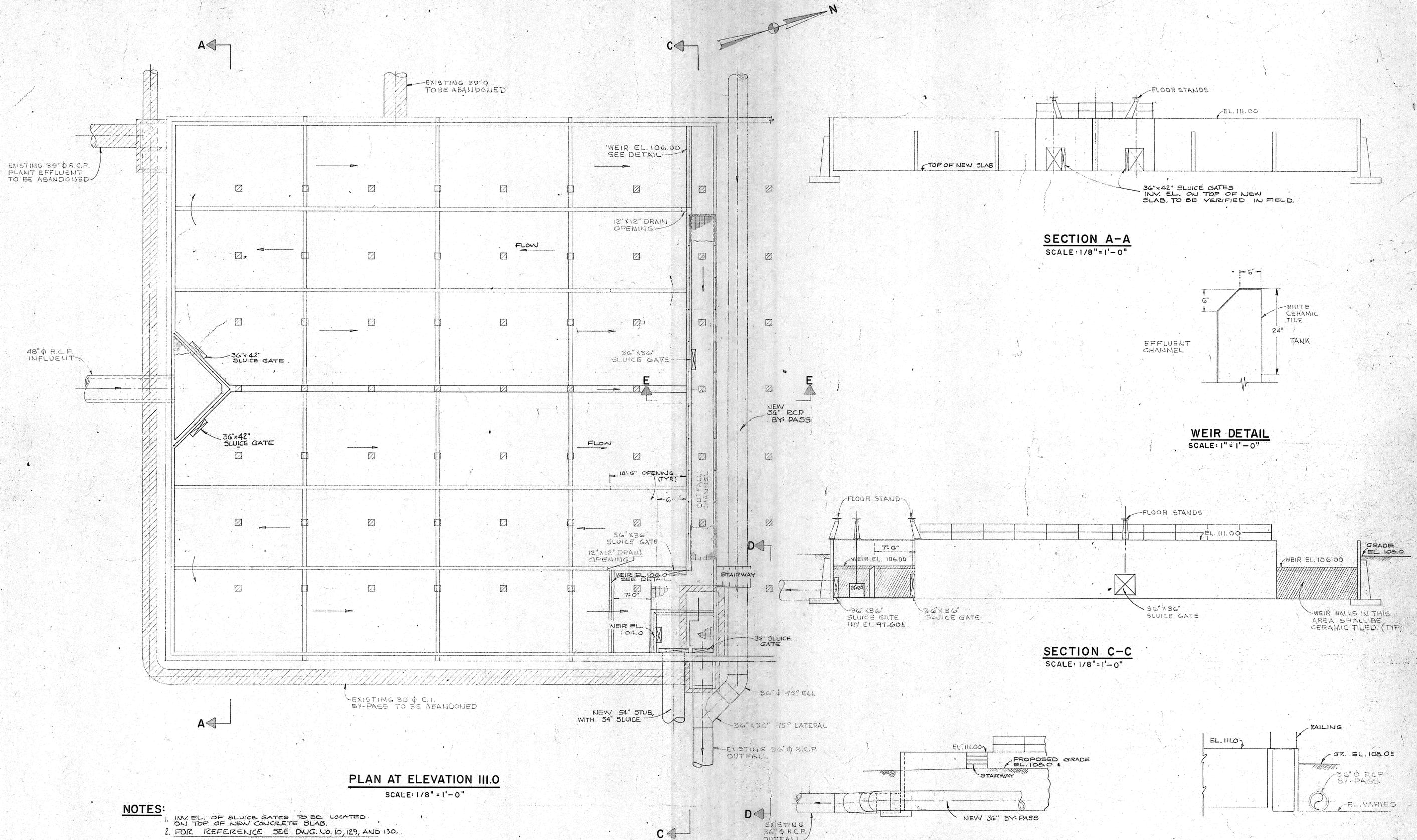
APPROVED

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2

SLUDGE DEWATERING - INCINERATION BUILDING
HEATING AND VENTILATING PLAN

SCALE
 1/8" = 1'-0"
 C.A.M. NO. 1165
 DRAWING NO.
127



NOTES:
 1. INV. EL. OF SLUICE GATES TO BE LOCATED ON TOP OF NEW CONCRETE SLAB.
 2. FOR REFERENCE SEE DUG. NO. 10, 129, AND 130.

PLAN AT ELEVATION III.0
 SCALE: 1/8" = 1'-0"

SECTION A-A
 SCALE: 1/8" = 1'-0"

WEIR DETAIL
 SCALE: 1" = 1'-0"

SECTION C-C
 SCALE: 1/8" = 1'-0"

SECTION D-D
 SCALE: 1/8" = 1'-0"

SECTION E-E
 SCALE: 1/8" = 1'-0"

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

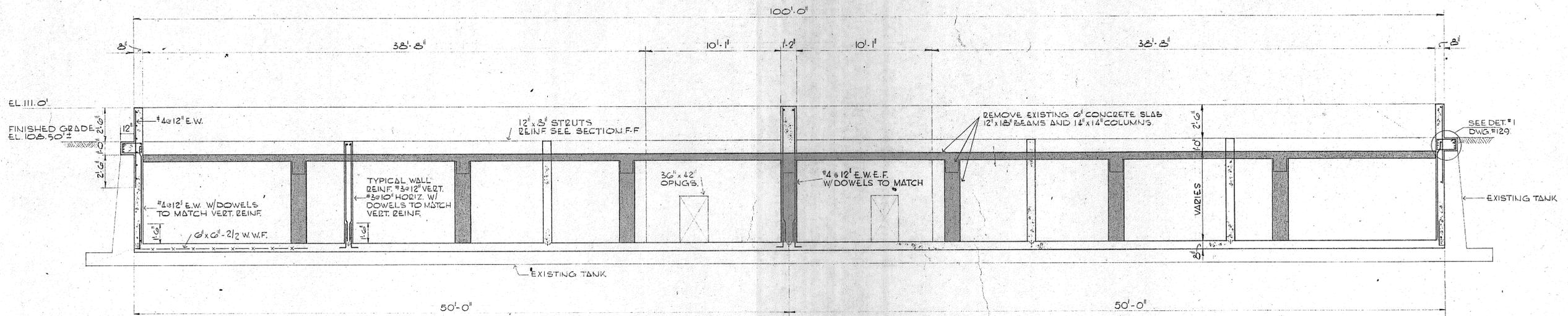


DRAWN: J.Y. PIGN DESIGNED: H. CAMPBELL
 CHECKED: H. CAMPBELL APPROVED: P.T. CARVER
 DATE: AUGUST, 1970
CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERFIELD, CONN. BOSTON, MASS.

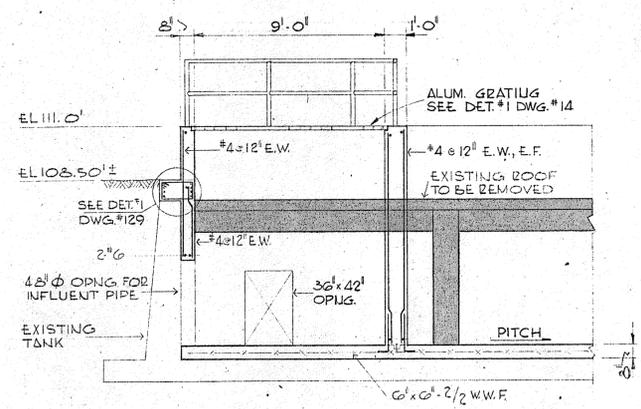
APPROVED
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 CHLORINE CONTACT TANK
 EQUIPMENT AND PIPING
 PLAN—SECTION—DETAILS

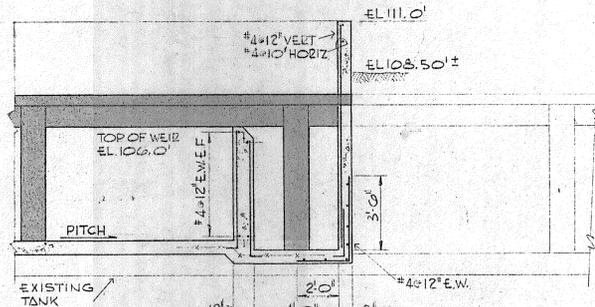
SCALE
 AS NOTED
 C. A. M. NO. 1165
 DRAWING NO.
128



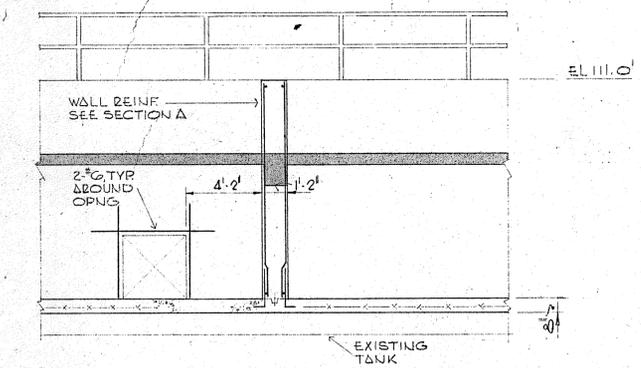
SECTION A-A
SCALE: 1/4" = 1'-0"



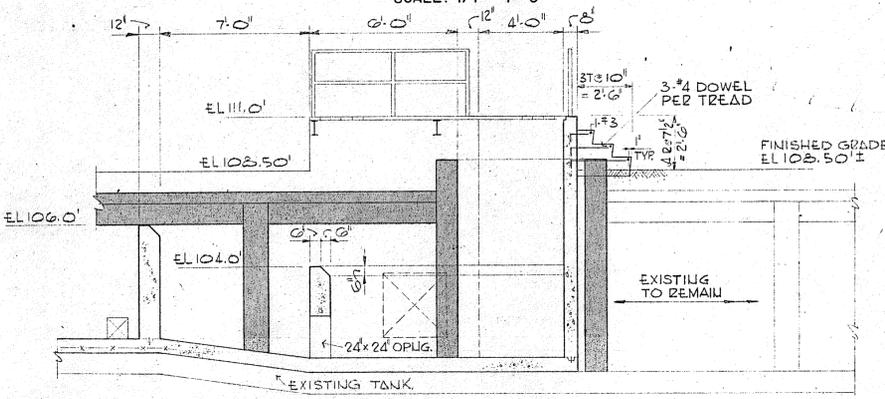
SECTION B-B
SCALE: 1/4" = 1'-0"



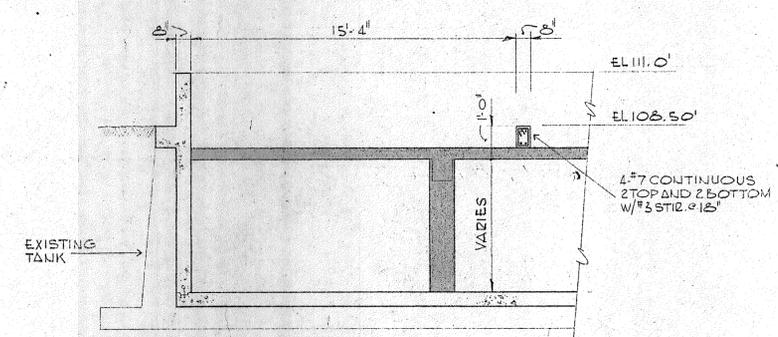
SECTION C-C
SCALE: 1/4" = 1'-0"



SECTION D-D
SCALE: 1/4" = 1'-0"



SECTION E-E
SCALE: 1/4" = 1'-0"



SECTION F-F
SCALE: 1/4" = 1'-0"

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

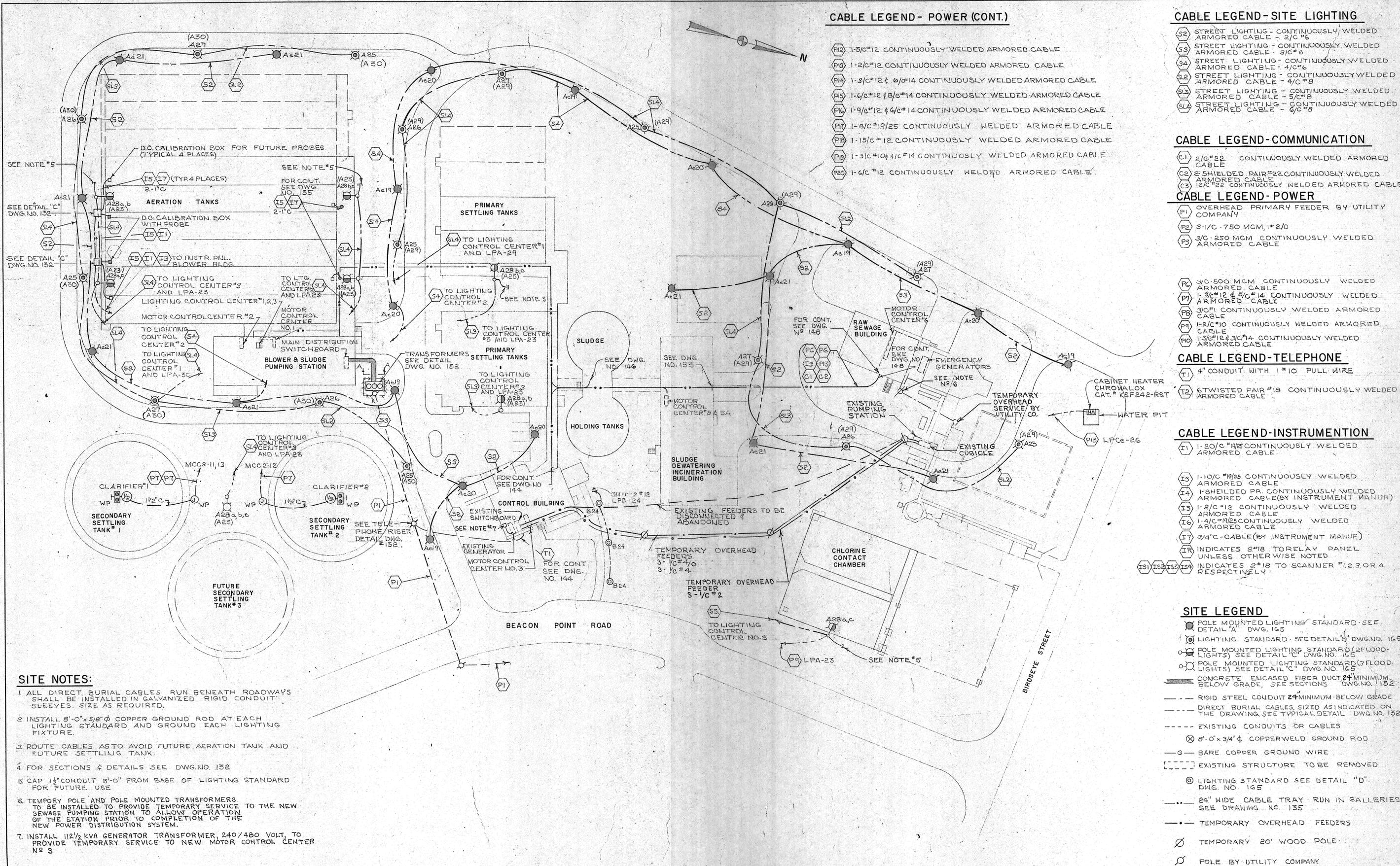
DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
 CHECKED: V. SYLVIA APPROVED: C. HIRSCH
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED _____
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 CHLORINE CONTACT TANKS
STRUCTURAL SECTIONS

SCALE
 1/4" = 1'-0"
 C.A.M. NO. 1165
 DRAWING NO.
130



CABLE LEGEND - POWER (CONT.)

- PI2 1-3/8" #12 CONTINUOUSLY WELDED ARMORED CABLE
- PI3 1-2" #12 CONTINUOUSLY WELDED ARMORED CABLE
- PI4 1-3/4" #12 & 6" #14 CONTINUOUSLY WELDED ARMORED CABLE
- PI5 1-4" #12 & 3/8" #14 CONTINUOUSLY WELDED ARMORED CABLE
- PI6 1-9/16" #12 & 6/16" #14 CONTINUOUSLY WELDED ARMORED CABLE
- PI7 1-8" #19/25 CONTINUOUSLY WELDED ARMORED CABLE
- PI8 1-15/16" #12 CONTINUOUSLY WELDED ARMORED CABLE
- PI9 1-3/16" #10 & 4/16" #14 CONTINUOUSLY WELDED ARMORED CABLE
- PI0 1-6/16" #12 CONTINUOUSLY WELDED ARMORED CABLE

CABLE LEGEND - SITE LIGHTING

- SL2 STREET LIGHTING - CONTINUOUSLY WELDED ARMORED CABLE - 2/C #6
- SL3 STREET LIGHTING - CONTINUOUSLY WELDED ARMORED CABLE - 3/C #6
- SL4 STREET LIGHTING - CONTINUOUSLY WELDED ARMORED CABLE - 4/C #6
- SL5 STREET LIGHTING - CONTINUOUSLY WELDED ARMORED CABLE - 4/C #8
- SL6 STREET LIGHTING - CONTINUOUSLY WELDED ARMORED CABLE - 5/C #8
- SL7 STREET LIGHTING - CONTINUOUSLY WELDED ARMORED CABLE - 6/C #8

CABLE LEGEND - COMMUNICATION

- CI1 2/C #22 CONTINUOUSLY WELDED ARMORED CABLE
- CI2 2 SHIELDED PAIR #22 CONTINUOUSLY WELDED ARMORED CABLE
- CI3 12/C #22 CONTINUOUSLY WELDED ARMORED CABLE

CABLE LEGEND - POWER

- PI1 OVERHEAD PRIMARY FEEDER BY UTILITY COMPANY
- PI2 3-1/2" - 750 MCM, 1" #2/0
- PI3 3/4" - 250 MCM CONTINUOUSLY WELDED ARMORED CABLE

CABLE LEGEND - TELEPHONE

- TI1 4" CONDUIT WITH 1" #10 PULL WIRE
- TI2 6 TWISTED PAIR #18 CONTINUOUSLY WELDED ARMORED CABLE

CABLE LEGEND - TELEPHONE

- TI1 4" CONDUIT WITH 1" #10 PULL WIRE
- TI2 6 TWISTED PAIR #18 CONTINUOUSLY WELDED ARMORED CABLE

CABLE LEGEND - INSTRUMENTATION

- II1 1-20/C #19/25 CONTINUOUSLY WELDED ARMORED CABLE
- II3 1-10/C #19/25 CONTINUOUSLY WELDED ARMORED CABLE
- II4 1-SHIELDED PR. CONTINUOUSLY WELDED ARMORED CABLE (BY INSTRUMENT MANUF)
- II5 1-2/C #12 CONTINUOUSLY WELDED ARMORED CABLE
- II6 1-4/C #19/25 CONTINUOUSLY WELDED ARMORED CABLE
- II7 3/4" C-CABLE (BY INSTRUMENT MANUF)
- II8 INDICATES 2" #18 TO RELAY PANEL UNLESS OTHERWISE NOTED
- II9 II10 II11 II12 INDICATES 2" #18 TO SCANNER #1, 2, 3 OR 4 RESPECTIVELY

SITE LEGEND

- POLE MOUNTED LIGHTING STANDARD SEE DETAIL "A" DWG. NO. 165
- LIGHTING STANDARD SEE DETAIL "B" DWG. NO. 165
- POLE MOUNTED LIGHTING STANDARD (2 FLOOD-LIGHTS) SEE DETAIL "C" DWG. NO. 165
- POLE MOUNTED LIGHTING STANDARD (3 FLOOD-LIGHTS) SEE DETAIL "C" DWG. NO. 165
- ▬ CONCRETE ENCASED FIBER DUCT, 24" MINIMUM BELOW GRADE, SEE SECTIONS DWG. NO. 132
- RIGID STEEL CONDUIT 24" MINIMUM BELOW GRADE
- DIRECT BURIAL CABLES, SIZED AS INDICATED ON THE DRAWING, SEE TYPICAL DETAIL DWG. NO. 132
- EXISTING CONDUITS OR CABLES
- ⊗ 8'-0" x 3/4" COPPER WELD GROUND ROD
- G — BARE COPPER GROUND WIRE
- EXISTING STRUCTURE TO BE REMOVED
- LIGHTING STANDARD SEE DETAIL "D" DWG. NO. 165
- 24" WIDE CABLE TRAY RUN IN GALLERIES, SEE DRAWING NO. 135
- TEMPORARY OVERHEAD FEEDERS
- TEMPORARY 20' WOOD POLE
- POLE BY UTILITY COMPANY

SITE NOTES:

1. ALL DIRECT BURIAL CABLES RUN BENEATH ROADWAYS SHALL BE INSTALLED IN GALVANIZED RIGID CONDUIT SLEEVES, SIZE AS REQUIRED.
2. INSTALL 8'-0" x 5/8" COPPER GROUND ROD AT EACH LIGHTING STANDARD AND GROUND EACH LIGHTING FIXTURE.
3. ROUTE CABLES AS TO AVOID FUTURE AERATION TANK AND FUTURE SETTLING TANK.
4. FOR SECTIONS & DETAILS SEE DWG. NO. 132
5. CAP 1 1/2" CONDUIT 5'-0" FROM BASE OF LIGHTING STANDARD FOR FUTURE USE
6. TEMPORARY POLE AND POLE MOUNTED TRANSFORMERS TO BE INSTALLED TO PROVIDE TEMPORARY SERVICE TO THE NEW SEWAGE PUMPING STATION TO ALLOW OPERATION OF THE STATION PRIOR TO COMPLETION OF THE NEW POWER DISTRIBUTION SYSTEM.
7. INSTALL 112 1/2 KVA GENERATOR TRANSFORMER, 240/480 VOLT, TO PROVIDE TEMPORARY SERVICE TO NEW MOTOR CONTROL CENTER NO. 3

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

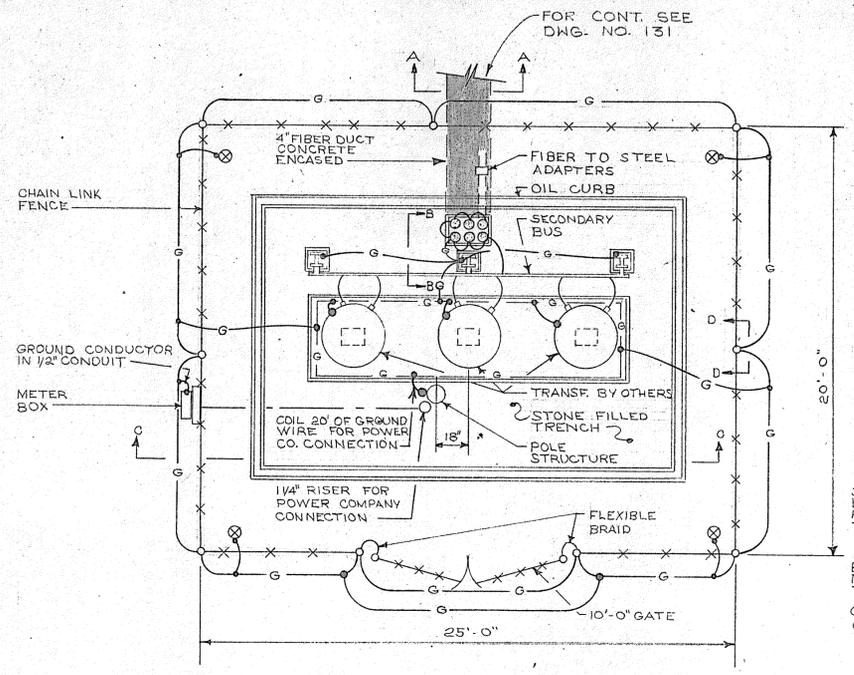


DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970
CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

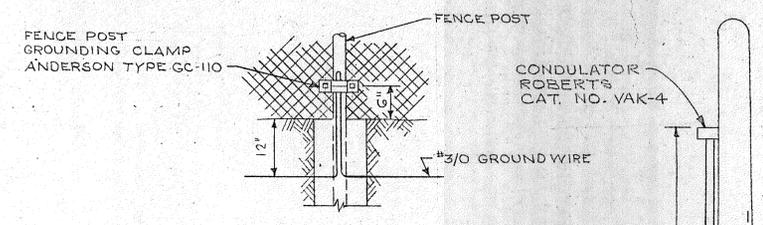
APPROVED
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 ELECTRICAL
SITE PLAN

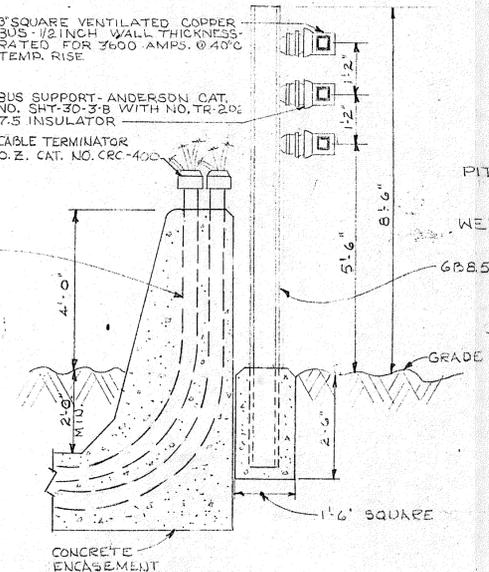
SCALE
 1" = 40'-0"
 C.A.M. NO. 1165
 DRAWING NO.
131



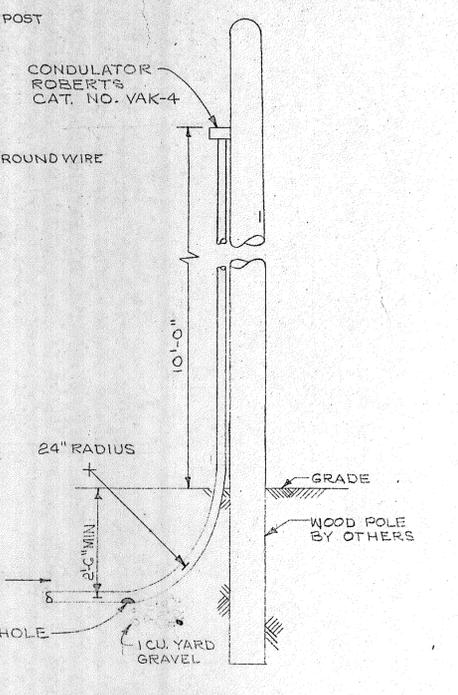
DETAIL "F"
SCALE: 1/4" = 1'-0"



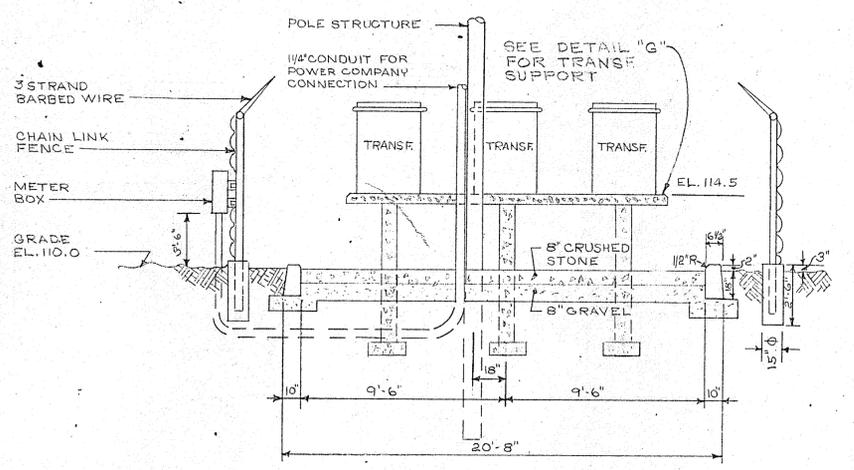
SECTION D-D
NOT TO SCALE



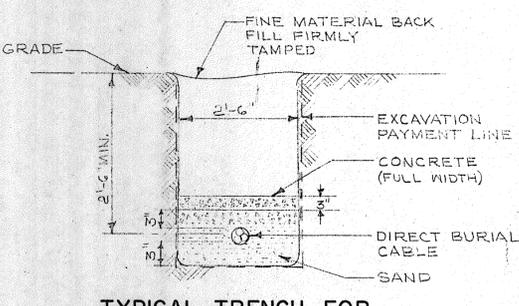
SECTION B-B
SCALE: 1/2" = 1'-0"



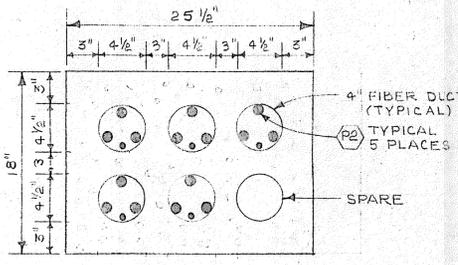
TELEPHONE-RISER POLE DETAIL
NOT TO SCALE



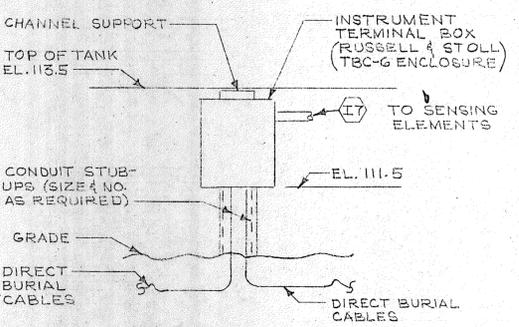
SECTION C-C
SCALE: 1/4" = 1'-0"



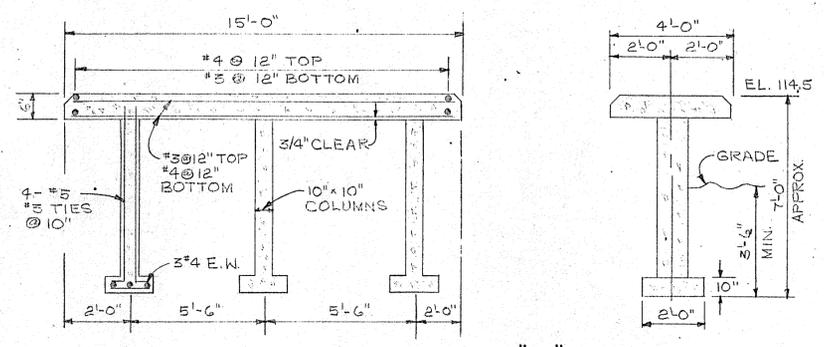
TYPICAL TRENCH FOR DIRECT BURIAL CABLES
NOT TO SCALE



SECTION A-A
SCALE: 1 1/2" = 1'-0"



DETAIL "E"
NOT TO SCALE



DETAIL "G"
NOT TO SCALE

NOTES:

1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 135
2. FOR LOCATION OF TRANSFORMERS SEE DWG. NO. 131
3. TRANSFORMER BASE SHALL CONFORM TO POWER CO. REQUIREMENTS.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLE JOHN APPROVED: J. LITTLE JOHN
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS

PROVIDENCE, R.I. WETHERFIELD, CONN. BOSTON, MASS.

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TOWN OF STRATFORD

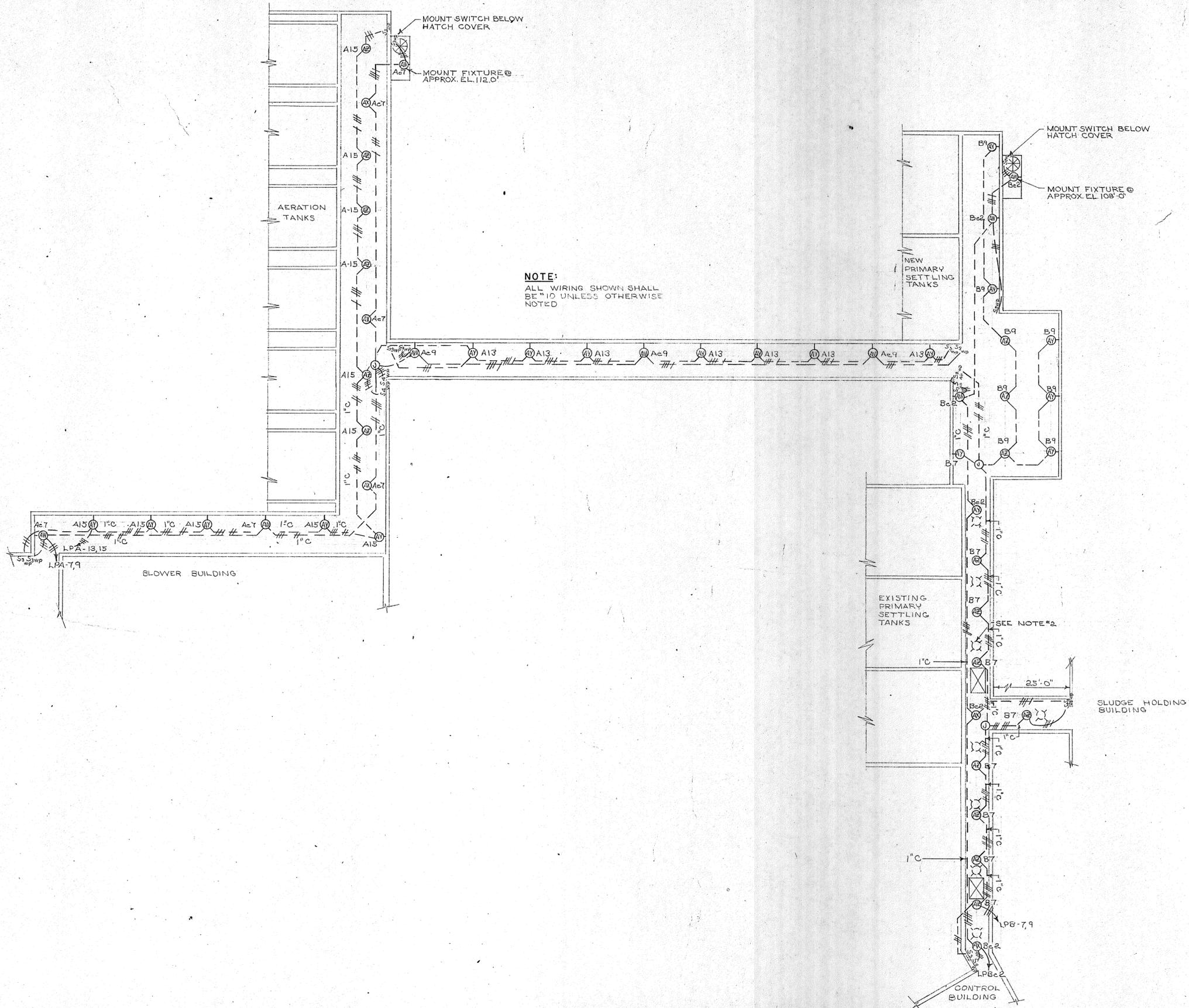
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 ELECTRICAL

MISCELLANEOUS SITE DETAILS

SCALE AS NOTED
 C.A.M. NO. 1165
 DRAWING NO. 132

NOTES:

1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
2. EXISTING LIGHTING FIXTURE & CONDUIT TO BE REMOVED, TYPICAL 8 PLACES.



REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970
 CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

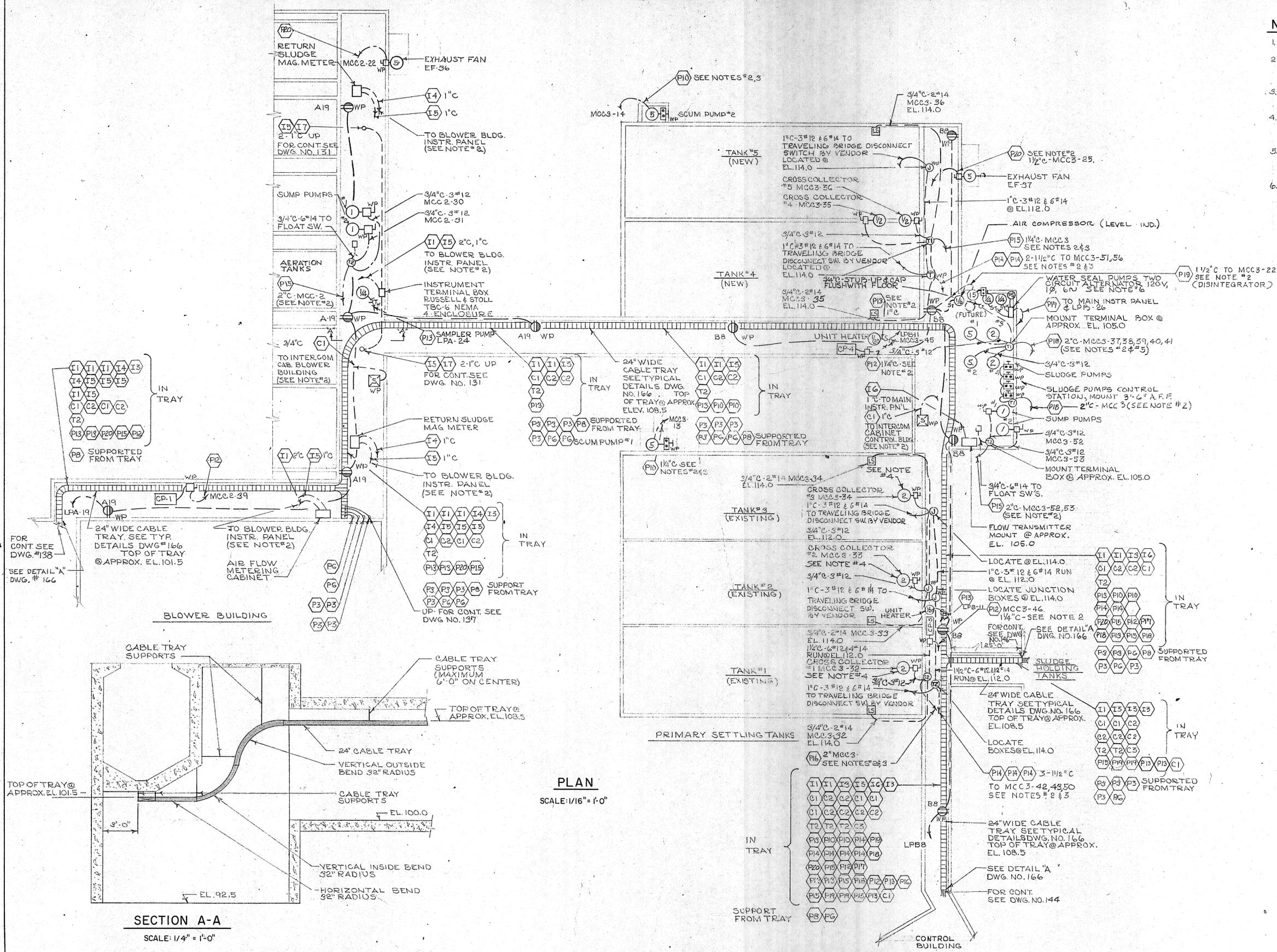
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 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
 SYSTEM OF SEWERS
 CONTRACT NO. 2
 AERATION TANK AND PRIMARY SETTLING TANK GALLERY
 ELECTRICAL
 LIGHTING PLAN

SCALE
 1/16" = 1'-0"
 C. A. M. NO. 1165
 DRAWING NO.
 134

NOTES:

- FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
- ROUTE CABLES VIA CONDUIT TO CABLE TRAY. FOR TERMINATION OF CONDUIT AT TRAY SEE DETAIL DWG. NO. 166
- SEAL CONDUIT ENTERING GALLERY PER DETAIL DWG. NO. 166
- EXISTING MOTOR TO BE DISCONNECTED & REWIRED AFTER RELOCATION FOR OPERATION ON 480V, 3Ø, 60N CURRENT.
- SLUDGE PUMPS NO. 3 & 4 TO BE RELOCATED FROM CONTROL BLDG. THE EXISTING MOTORS TO BE RECONNECTED FOR OPERATION ON 480V, 3Ø, 60N CURRENT.
- FOR WATER SEAL PUMP CONTROL DIAGRAM, SEE DWG. NO. 162



PLAN
SCALE: 1/16" = 1'-0"

SECTION A-A
SCALE: 1/4" = 1'-0"

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: R. G. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

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TOWN OF STRATFORD

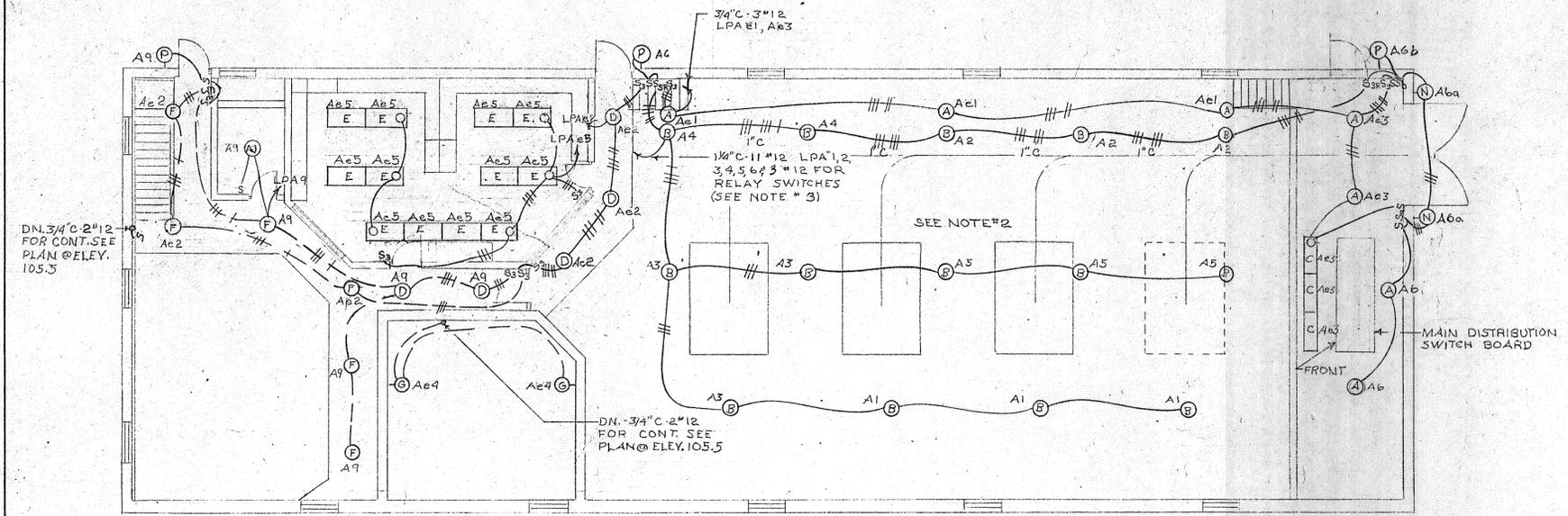
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2

AERATION TANK AND PRIMARY SETTLING TANK GALLERY
 ELECTRICAL
POWER PLAN

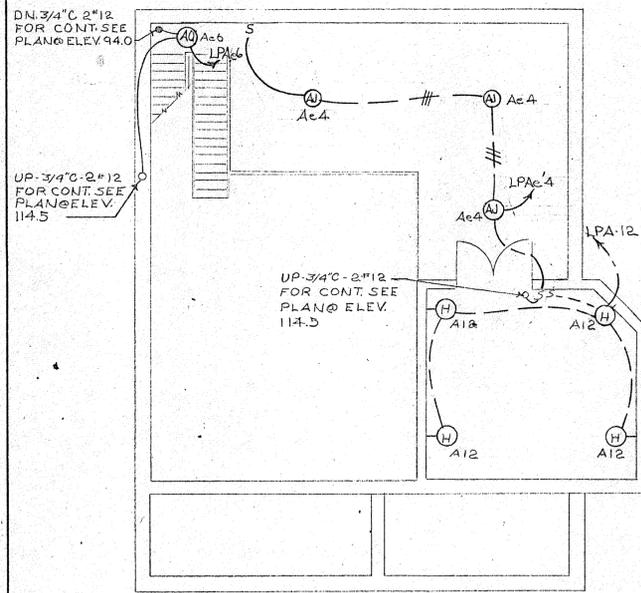
SCALE
 AS NOTED

C.A.M. NO. 1165

DRAWING NO.
135



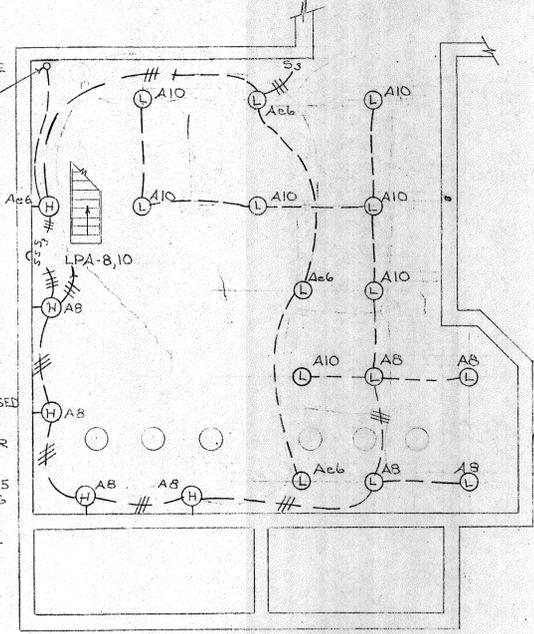
LIGHTING PLAN - ELEVATION 114.5



LIGHTING PLAN - ELEVATION 105.5

NOTES:

- FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 135
- ALL FIXTURES TYPE A#B, SHALL BE RECESSED WITH ADDITIONAL SUPPORTS AT EACH FIXTURE ANCHORED INTO ROOF SLAB. FIXTURES SHALL BE LOCATED IN CENTER OF CEILING TILE.
- LIGHTING PANEL "A" CIRCUIT NUMBERS 1,2,3,4,5 SHALL BE SWITCHED THROUGH SWITCHING RELAY LOCATED IN PANEL. RELAY SHALL BE CONTROLLED BY SWITCHES S3, S4. RELAY SHALL BE RATED @ 20 AMPERES & SHALL BE MECHANICALLY HELD.



LIGHTING PLAN - ELEVATION 94.0

PANELBOARD LPA													
120/208VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL													
225 AMP. MAIN LUGS ONLY													
LOCATION: CONTROL ROOM													
MOUNTING: MCC #1													
CIRCUIT NO.	POLES	BR'KR	FRAME	AMP/TRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS	
								A0	B0	C0			
1	1	1			20 BLOWER ROOM LIGHTING		1.362	11.34			12	SEE NOTE #3	
2	1	1			20 BLOWER ROOM LIGHTING		1.362	11.34			12	SEE NOTE #3	
3	1	1			20 BLOWER ROOM LIGHTING		1.362	11.34			12	SEE NOTE #3	
4	1	1			20 BLOWER ROOM LIGHTING		.908	7.56			12	SEE NOTE #3	
5	1	1			20 BLOWER ROOM LIGHTING		1.362		11.34		12	SEE NOTE #3	
6	1	1			20 BLOWER ROOM MICS. LIGHTING		1.300		10.8		12		
7	1	1			20 RECEPTACLES (4)		1.080	9.0			12		
8	1	1			20 PUMP ROOM LIGHTING		1.600	13.33			12		
9	1	1			20 BALCONY LIGHTING		1.350	11.25			12		
10	1	1			20 PUMP ROOM LIGHTING		1.400	11.66			12		
11	1	1			20 ELECTRIC UNIT HEATER		1.500		12.5		12		
12	1	1			20 FILTER ROOM LIGHTING		.800		6.66		12		
13	1	1			20 GALLERY LIGHTING		.924	7.7			10		
14	1	1			20 EXHAUST FANS	1/2		4.0			12		
15	1	1			20 GALLERY LIGHTING		1.452		12.1		10		
16	1	1			20 RECEPTACLES (4)		.720		6.0		12		
17	1	1			20 MASS FLOW TRANSMITTER		.360		3.0		12		
18	1	1			20 RECEPTACLES (5)		.900		7.5		12		
19	1	1			20 GALLERY RECEPTACLES (5)		.900	7.5			12		
20	1	1			20 SAMPLER		.240	2.0			12		
21	1	1			20 HOT WATER HEATER		1.500		12.5		12		
22	1	1			20 DRINKING FOUNTAIN	1/4			5.8		12		
23	1	1			20 CONV. OUTLETS (8)		1.140		12.0		8		
24	1	1			20 SAMPLER PUMP	1/4			5.8		12		
25	1	1			20 STREET LIGHTING		.864	7.2			8		
26	1	1			20 STREET LIGHTING		.720		6.0		8		
27	1	1			20 STREET LIGHTING		.720		6.0		8		
28	3	3			30 FLOOD LIGHTING		7.718	22.7	19.0		8		
29	1	1			20 CONV. OUTLETS (9)		1.440	12.0			8		
30	1	1			20 CONV. OUTLETS (7)		1.260	10.5			8		
31-40	1	1			20 SPARE						12	10 SPARE	
TOTALS							35.284	118.61	104.71	94.4			

PANELBOARD LPAe													
120/208 VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL													
100 AMP. MAIN LUGS ONLY													
LOCATION: CONTROL ROOM													
MOUNTING: M.C.C. #1													
CIRCUIT NO.	POLES	BR'KR	FRAME	AMP/TRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS	
								A0	B0	C0			
1	1	1			20 BLOWER ROOM LIGHTING		.900	7.5			12		
2	1	1			20 BALCONY LIGHTING		1.200	10.0			12		
3	1	1			20 BLOWER ROOM LIGHTING		.876	7.3			12		
4	1	1			20 FILTER ROOM & BALCONY LITG.		1.000		8.33		12		
5	1	1			20 CONTROL ROOM LIGHTING		1.104		9.2		12		
6	1	1			20 PUMP ROOM LIGHTING		1.000		8.33		12		
7	1	1			20 GALLERY LIGHTING		1.200	10.0			10		
8	1	1			20 RECEPTACLES (7)		1.260	10.5			12		
9	1	1			20 GALLERY LIGHTING		.600		5.0		10		
10	1	1			20 SCANNER & TELEPHONE RELAYS		.240	2.0			12		
11	1	1			20 SPARE						12		
12	1	1			20 T.C. COMPRESSOR DRYER		.600		5.0		12		
13-18	1	1			20 SPARE						12	6 SPARE BREAKERS	
19	1	1			30 STREET LIGHTING		1.764	14.7			6		
20	1	1			30 STREET LIGHTING		1.764	14.7			6		
21	1	1			30 STREET LIGHTING		2.646		22.0		6		
22	3	3			20 INSTRUMENT PANEL		1.459	5.0	5.0	5.0	12		
23	3	3			20 SEQUENCING PANEL		2.878	10.0	10.0	10.0	12		
24	3	3			20 SPARE						12		
TOTALS							20.471	67.7	52.33	59.53			

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970

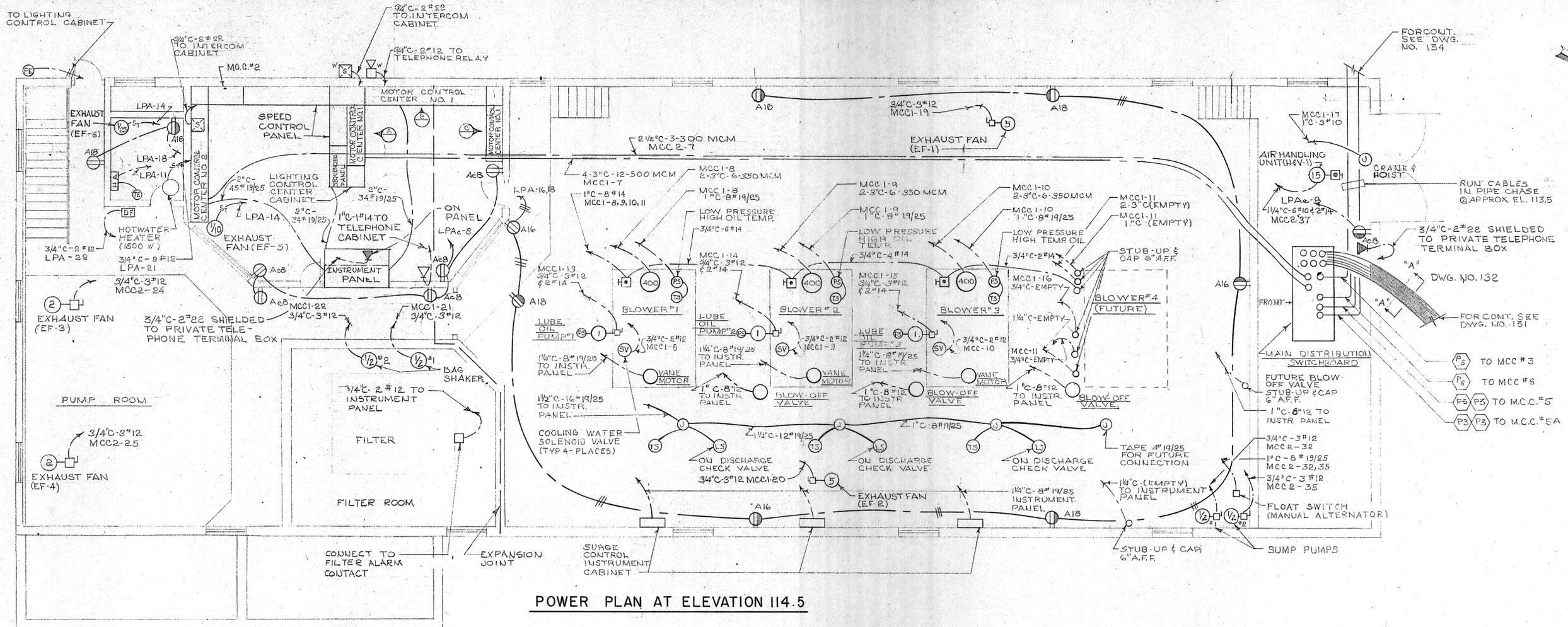
CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERFIELD, CONN. BOSTON, MASS.

APPROVED _____

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
 SYSTEM OF SEWERS
 CONTRACT NO. 2
 BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
 ELECTRICAL
 LIGHTING PLANS

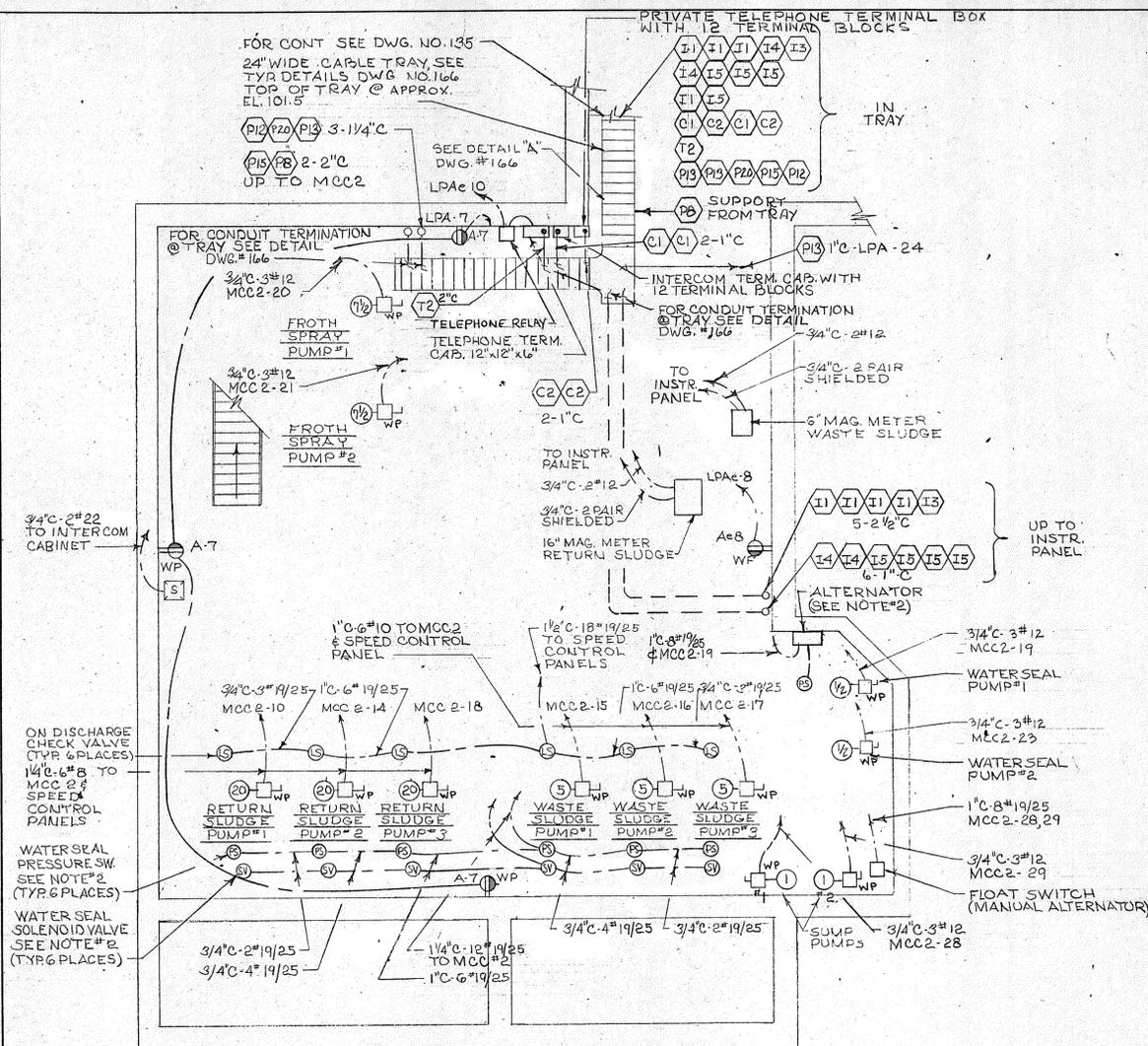
SCALE
 1/8" = 1'-0"
 C.A.M. NO. 1165
 DRAWING NO.
 136



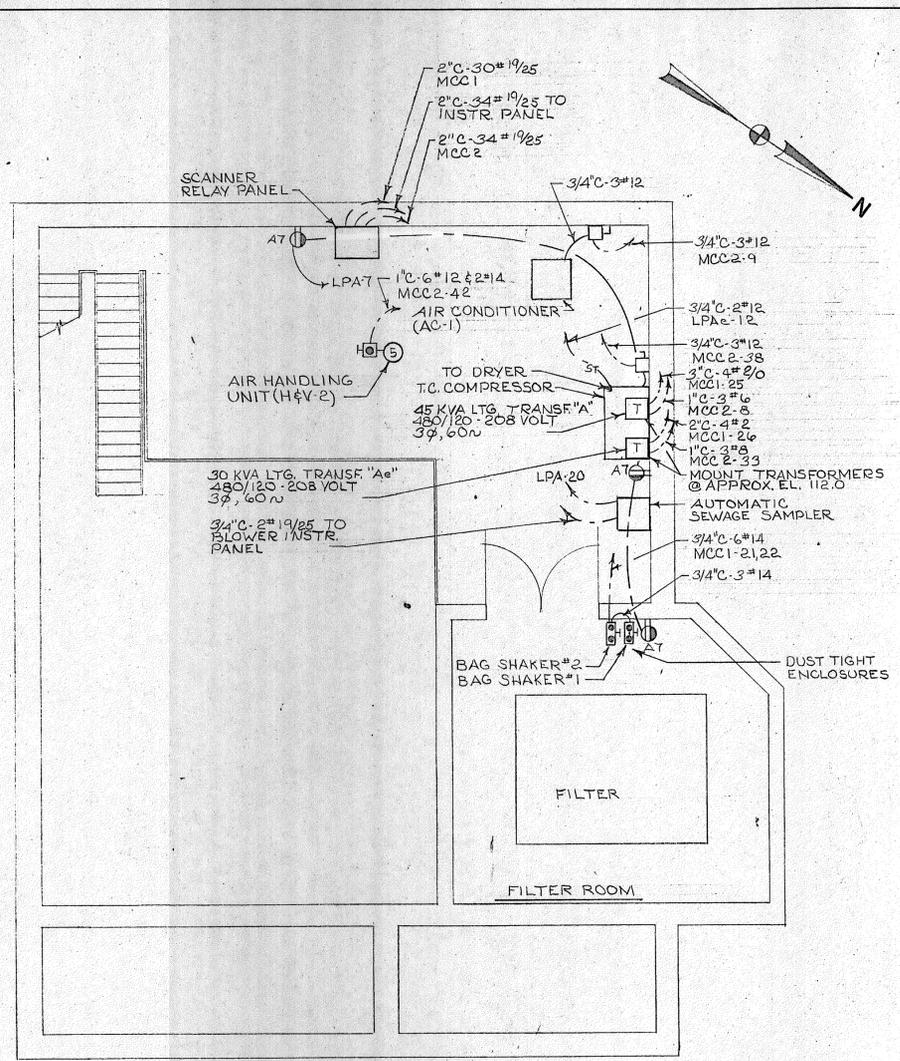
POWER PLAN AT ELEVATION 114.5

NOTES:
 1. FOR GENERAL NOTE AND LEGEND SEE DWG. NO. 135
 2. FOR MOTOR CONTROL CENTER NO. 1 ELEVATIONS SEE DWG. NO. 140

								DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN DATE: AUGUST, 1970		TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2		SCALE 3/16" = 1'-0" C. A. M. NO. 1165	
						CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERFIELD, CONN. BOSTON, MASS.		APPROVED TOWN OF STRATFORD		BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION ELECTRICAL POWER PLAN - ELEVATION 114.5		DRAWING NO. 137	
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE						



POWER PLAN- ELEVATION 94.0



POWER PLAN- ELEVATION 105.5

NOTES:
 1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
 2. FOR WATER SEAL PUMPS CONTROL DIAGRAM SEE DWG. NO. 162

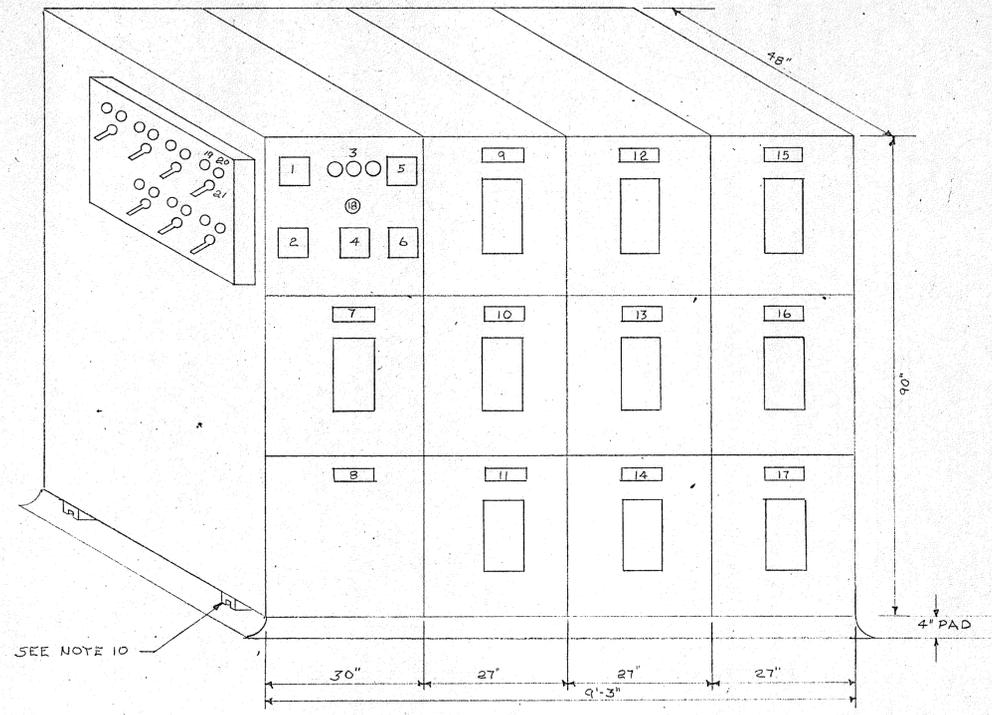
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: R BURMAN DESIGNED: G GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.
 APPROVED _____
 TOWN OF STRATFORD

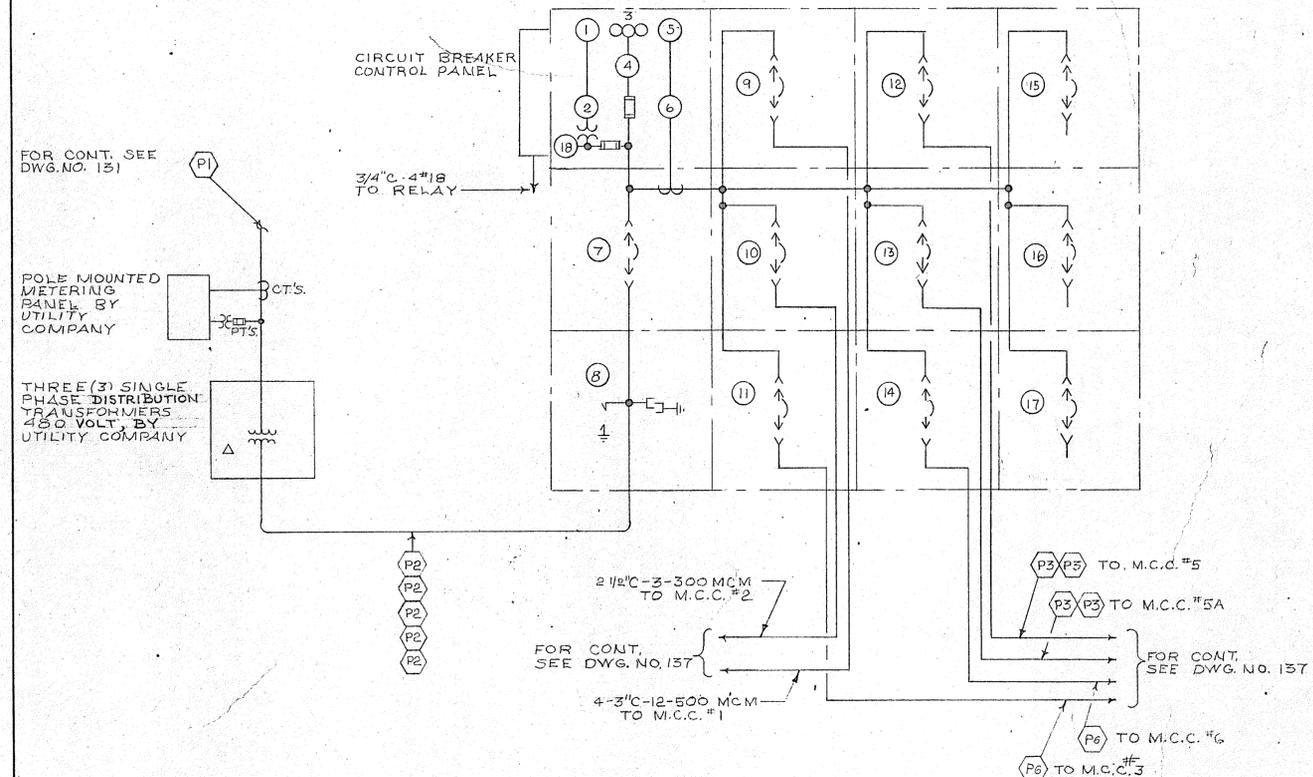
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 BLOWER BUILDING & RETURN SLUDGE PUMPING STATION
 ELECTRICAL
 POWER PLANS - ELEVATIONS 94.0 & 105.5

SCALE
 3/16" = 1'-0"
 C. A. M. NO. 1165
 DRAWING NO.
138



MAIN DISTRIBUTION SWITCHBOARD

MAIN DISTRIBUTION SWITCHBOARD SCHEDULE												
PART NO.	FRAME SIZE AMPS	TRIP SETTING AMPS	OPERATION	I.C. AT RATED VOLTAGE	I.C. AT OPERATING VOLTAGE	POLES	RATED VOLTAGE	OPERATING VOLTAGE	LUGS NO.	LUGS SIZE	NAMEPLATE INSCRIPTION	REMARKS
1							600	480			VOLTMETER	
2		3					600	480			VOLTMETER SWITCH	
3							600	480			GROUND DETECTOR LAMPS	
4							600	480			GROUND DETECTOR SWITCH	
5	12000						600	480			AMMETER	
6							600	480			AMMETER SWITCH	
7	3000	3000	ELECTRIC	75,000	75,000	3	600	480	15	750 MCM	MAIN CIRCUIT BREAKER	
8											L.H. SURGE PROTECTION	
9	3000	2000	ELECTRIC	75,000	75,000	3	600	480	12	500 MCM	M.C.C.#1 BLOWER BLDG.	
10	1600	500	ELECTRIC	50,000	50,000	3	600	480	3	500 MCM	M.C.C.#2 RETURN SLUDGE	
11	1600	600	ELECTRIC	50,000	50,000	3	600	480	3	500 MCM	M.C.C.#3 CONTROL BLDG.	
12	1600	600	ELECTRIC	50,000	50,000	3	600	480	6	500 MCM	M.C.C.#5 INCINERATOR BLDG.	
13	1600	600	ELECTRIC	50,000	50,000	3	600	480	6	500 MCM	M.C.C.#5A INCINERATOR BLDG.	
14	1600	600	ELECTRIC	50,000	50,000	3	600	480	3	500 MCM	M.C.C.#6 RAW SEWAGE BLDG.	
15	1600	400	ELECTRIC	50,000	50,000	3	600	480	3	500 MCM	BLANK (SPARE)	
16	1600	400	ELECTRIC	50,000	50,000	3	600	480	3	500 MCM	BLANK (SPARE)	
17	1600	600	ELECTRIC	50,000	50,000	3	600	480	3	500 MCM	BLANK (SPARE)	
18							120	120			GREEN POWER AVAILABLE LTG.	
19							120	120			GREEN "ON" LIGHT	
20							120	120			RED "OFF" LIGHT	
21							120	120			BREAKER CONTROL PANEL	



MAIN DISTRIBUTION SWITCHBOARD - SINGLE LINE DIAGRAM

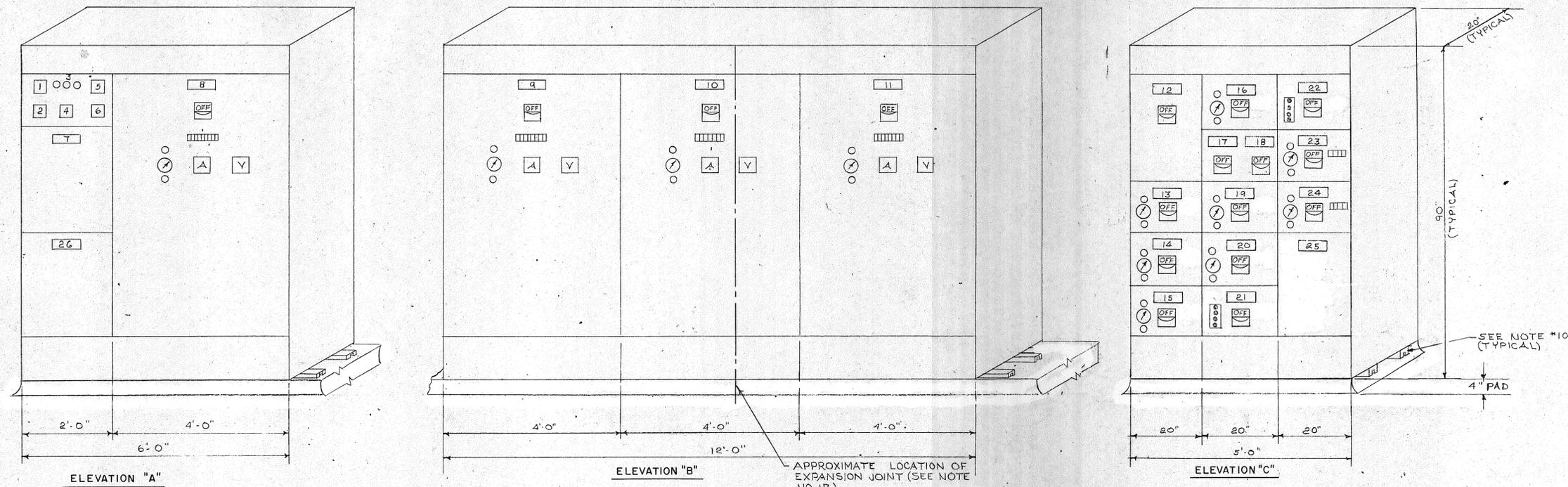
NOTES:

- FOR GENERAL NOTES & LEGEND SEE DWG. NO. 133
- PROVIDE HAND-OFF-AUTOMATIC SELECTOR SWITCH WITH "ON" GREEN AND "OFF" RED PILOT LIGHTS.
- PROVIDE STOP-START PUSHBUTTON STATION WITH "ON" GREEN AND "OFF" RED PILOT LIGHTS.
- PROVIDE TIME DELAY RELAYS, PUMPS OR BLOWERS SHALL NOT START OR STOP SIMULTANEOUSLY.
- AUTO TRANSFORMER TYPE, CLOSED TRANSITION, REDUCED VOLTAGE STARTING.
- PROVIDE CURRENT LIMITING FUSES.
- PROVIDE ELAPSED TIME METER.
- PROVIDE AMMETER & AMMETER SWITCH AND CURRENT TRANSFORMER.
- PROVIDE VOLTMETER
- PROVIDE SHIPPING CHANNELS GROUTED INTO EQUIPT. PAD. CHANNELS SHALL BE LONG ENOUGH TO SUPPORT SPEED CONTROL PANELS AND INSTRUMENT PANELS.
- PROVIDE STARTER FOR TWO SPEED, SINGLE WINDING, TYPE MOTOR.
- PROVIDE A 3 POLE AUTOMATIC TRANSFER SWITCH.
MCC3-100 AMP RATING
MCC3-225 AMP RATING
MCC3A-300 AMP RATING
MCC3-400 AMP RATING
- PROVIDE "SLOW-FAST-STOP-AUTOMATIC" SELECTOR SWITCH WITH "SLOW"-GREEN, "FAST"-BLUE, AND "OFF"-RED PILOT LIGHTS.
- PROVIDE "ON" GREEN AND "OFF" RED PILOT LIGHTS
- PROVIDE STARTER FOR A SINGLE SPEED REVERSING TYPE MOTOR
- PROVIDE A TIMER ADJUSTABLE FROM ZERO TO 20 MINUTES OF OPERATION FOR EACH CROSS COLLECTOR. TIMERS TO BE INTERLOCKED WITH LIMIT SWITCHES ON TRAVELING BRIDGE TO START CROSS COLLECTORS, EAGLE "FLEXOPULSE" CAT. HC 94
- PROVIDE BREAK IN M.C.C. NO. 1 ENCLOSURE, SHIPPING CHANNEL & GROUTING AT EXPANSION JOINT LOCATION

								DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN DATE: AUGUST, 1970		TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2		SCALE NO SCALE C. A. M. NO. 1165	
				CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.		APPROVED _____		ELECTRICAL		DRAWING NO. 139			
MAIN DISTRIBUTION SWITCHBOARD													
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE						

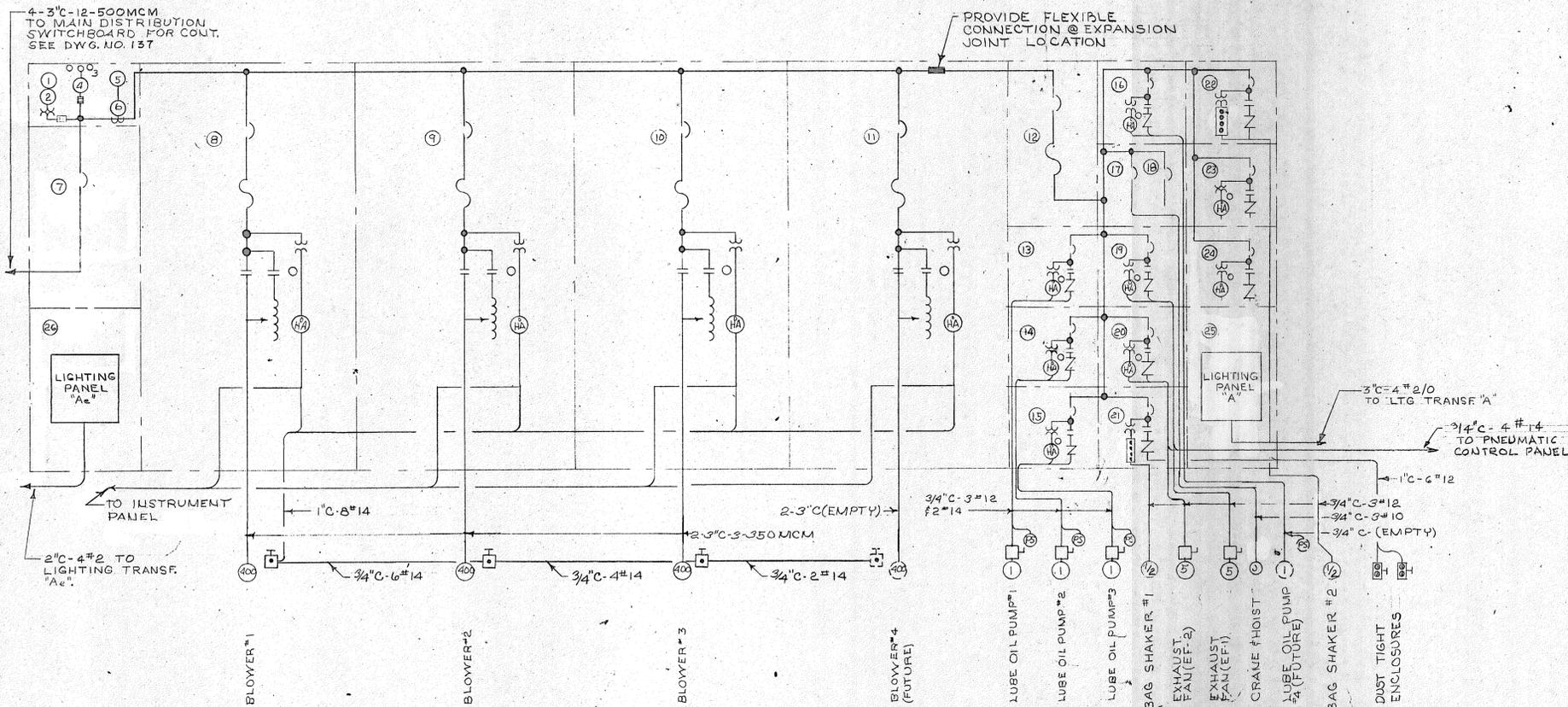
NOTES:

- 1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 135
- 2. FOR MOTOR CONTROL CENTER NOTES SEE DWG. NO. 139



ELEVATIONS - MOTOR CONTROL CENTER NO. 1

NOTE: FOR MOTOR CONTROL CENTER ARRANGEMENT SEE DRAWING NUMBER 137



MOTOR CONTROL CENTER NO. 1 - SINGLE LINE DIAGRAM

MOTOR CONTROL CENTER NO. 1 SCHEDULE											
PART NO.	FRAME SIZE AMPS	TRIP SETTING AMPS	I.C. CAP AMPS AT 480	NO. OF POLES	OPER. VOLTAGE	LUGS NO. SIZE	START NEMA SIZE	H.P.	NAMEPLATE	SEE NOTE	
1					0/600				VOLTMETER		
2					0/600				VOLT METER SWITCH		
3					0/600				GROUND DETECTOR LAMPS		
4					0/600				GROUND DETECTOR SWITCH		
5					0/600				AMMETER		
6					0/600				AMMETER SWITCH		
7	1600	1600	50,000	3	480	12 500 MCM			MAIN SECONDARY BREAKER		
8	1200	800	35,000	3	480	6 350 MCM	6	400	BLOWER #1	2, 4, 5, 7	
9	1200	800	35,000	3	480	6 350 MCM	6	400	BLOWER #2	2, 4, 5, 7	
10	1200	800	35,000	3	480	6 350 MCM	6	400	BLOWER #3	2, 4, 5, 7	
11	1200	800	35,000	3	480	6 350 MCM	6	400	BLOWER #4 (FUTURE)	2, 4, 5, 7	
12	225	100	25,000	3	480				SECONDARY BREAKER	6	
13	100	15	15,000	3	480	3 12	1	1	LUBE OIL PUMP #1	2	
14	100	15	15,000	3	480	3 12	1	1	LUBE OIL PUMP #2	2	
15	100	15	15,000	3	480	3 12	1	1	LUBE OIL PUMP #3	2	
16	100	15	15,000	3	480	3 12	1	1	LUBE OIL PUMP #4 (FUTURE)	2	
17	100	40	15,000	3	480	3 10			CRANE HOIST		
18	100	15	15,000	3	480	3 12			SPARE BREAKER		
19	100	20	15,000	3	480	3 12	1	5	EXHAUST FAN (EF1)	2	
20	100	20	15,000	3	480	3 12	1	5	EXHAUST FAN (EF2)	2	
21	100	15	15,000	3	480	3 12	1	1/2	BAG SHAKER #1	3	
22	100	15	15,000	3	480	3 12	1	1/2	BAG SHAKER #2	3	
23	100	20	15,000	3	480	3 12	1		BLANK (SPARE)	2, 7	
24	100	20	15,000	3	480	3 12	1		BLANK (SPARE)	2, 7	
25									LIGHTING PANEL A		
26									LIGHTING PANEL A		

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS

PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2

SCALE
 NO. SCALE
 C. A. M. NO. 1165

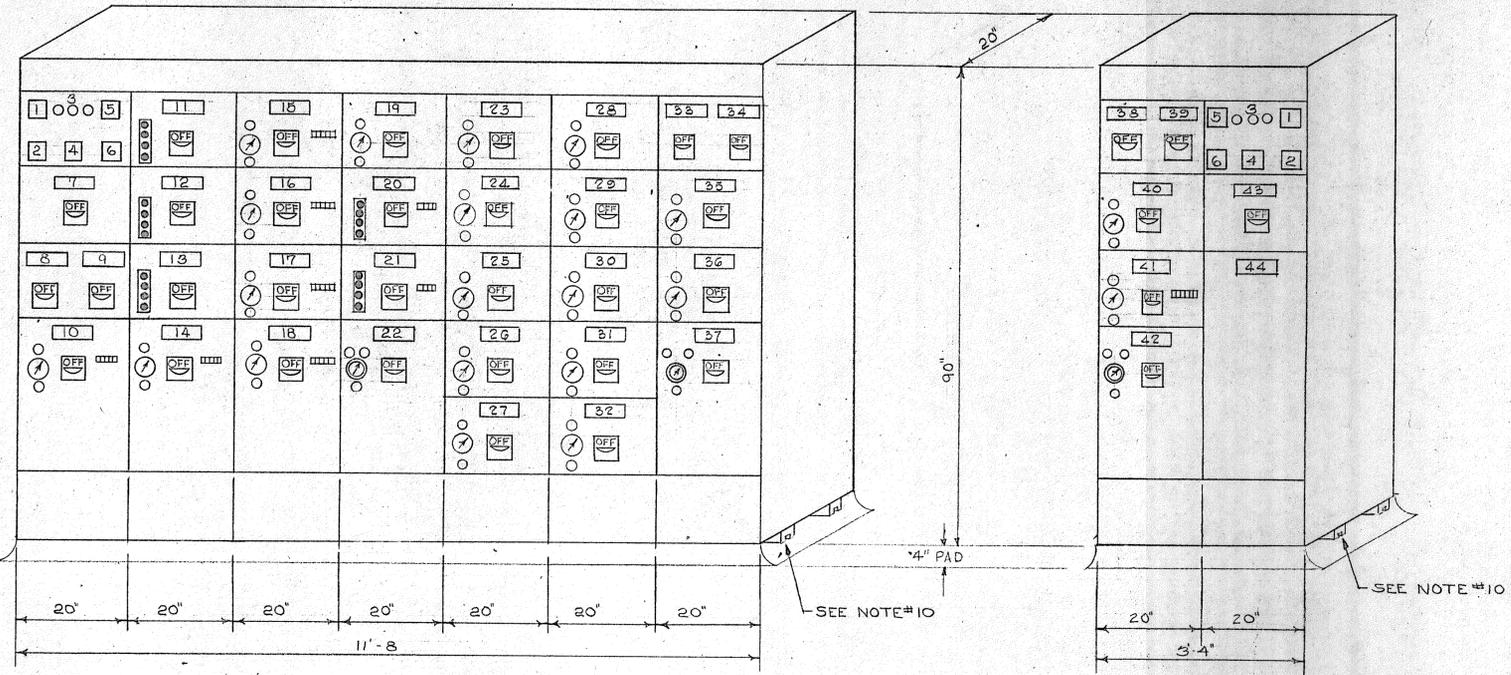
APPROVED

ELECTRICAL

TOWN OF STRATFORD

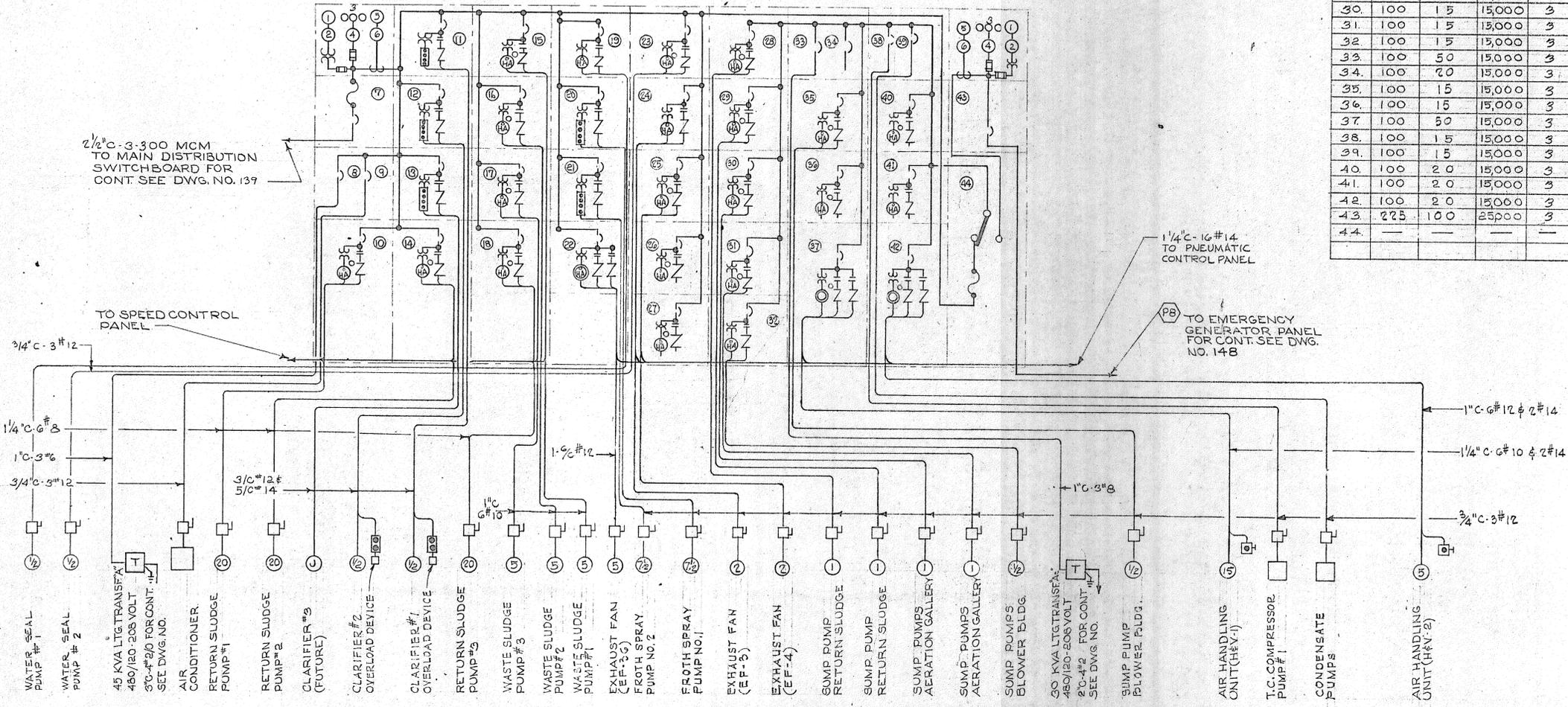
MOTOR CONTROL CENTER NO. 1

DRAWING NO.
140



ELEVATION-MOTOR CONTROL CENTER NO. 2

MOTOR CONTROL CENTER NO. 2 SCHEDULE											
PART NO.	FRAME SIZE AMPS	TRIP SETTING AMPS	I.C. CAP AMPS AT 480	NO. OF POLES	OPER. VOLTAGE	LUGS		START NEMA SIZE	H.P.	NAMEPLATE	SEE NOTE
						NO.	SIZE				
1					0/600					VOLTMETER	
2					0/600					VOLTMETER SWITCH	
3					0/600					GROUND DETECTOR LAMPS	
4					0/600					GROUND DETECTOR SWITCH	
5					0/600					AMMETER	
6					0/600					AMMETER SWITCH	
7	600	400	35,000	3	480	3	300 MCM			MAIN SECONDARY BREAKER	
8	100	70	15,000	3	480	3	6			LTG. TRANSF. 'A' BREAKER	
9	100	15	15,000	3	480	3	12			AIR CONDITIONER BKR.	
10	100	50	15,000	3	480	3	8	2	20	RETURN SLUDGE PUMP #1	2,7
11	100	15	15,000	3	480	3	12	1	1/2	CLARIFIER #1	3
12	100	15	15,000	3	480	3	12	1	1/2	CLARIFIER #2	3
13	100	15	15,000	3	480	3	12	1	1/2	CLARIFIER #3 (FUTURE)	3
14	100	50	15,000	3	480	3	8	2	20	RETURN SLUDGE PUMP #2	2,7
15	100	20	15,000	3	480	3	10	1	5	WASTE SLUDGE PUMP #1	2,7
16	100	20	15,000	3	480	3	10	1	5	WASTE SLUDGE PUMP #2	2,7
17	100	20	15,000	3	480	3	10	1	5	WASTE SLUDGE PUMP #3	2,7
18	100	50	15,000	3	480	3	8	2	20	RETURN SLUDGE PUMP #3	2,7
19	100	15	15,000	3	480	3	12	1	1/2	WATER SEAL PUMP #1	2
20	100	30	15,000	3	480	3	12	1	7 1/2	FROTH SPRAY PUMP #1	3,7
21	100	30	15,000	3	480	3	12	1	7 1/2	FROTH SPRAY PUMP #2	3,7
22	100	20	15,000	3	480	6	12	1	5	EXHAUST FAN (EF-3G)	11,13
23	100	15	15,000	3	480	3	12	1	1/2	WATER SEAL PUMP #2	2
24	100	15	15,000	3	480	3	12	1	2	EXHAUST FAN (EF-3)	2
25	100	15	15,000	3	480	3	12	1	2	EXHAUST FAN (EF-4)	2
26	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
27	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
28	100	15	15,000	3	480	3	12	1		SUMP PUMP (RETURN BLDG)	2
29	100	15	15,000	3	480	3	12	1		SUMP PUMP (RETURN BLDG)	2
30	100	15	15,000	3	480	3	12	1		SUMP PUMP AERATION GALLERY	2
31	100	15	15,000	3	480	3	12	1		SUMP PUMP AERATION GALLERY	2
32	100	15	15,000	3	480	3	12	1	1/2	SUMP PUMP (BLOWER BLDG)	2
33	100	50	15,000	3	480	3	8			LTG. TRANSF. 'B' BKR.	
34	100	20	15,000	3	480	3	10			SPARE BREAKER	
35	100	15	15,000	3	480	3	12	1	1/2	SUMP PUMP (BLOWER BLDG)	2
36	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
37	100	50	15,000	3	480	6	10	2	15	AIR HANDLING UNIT (H&V-1)	11,13
38	100	15	15,000	3	480	3	12			T.C. COMPRESSOR P.K.R.	
39	100	15	15,000	3	480	3	12			CONDENSATE PUMP P.K.R.	
40	100	20	15,000	3	480	3	12			BLANK (SPARE)	2
41	100	20	15,000	3	480	3	12			BLANK (SPARE)	2
42	100	20	15,000	3	480	6	12	1	5	AIR HANDLING UNIT (H&V-2)	11,13
43	225	100	25,000	3	480	3	1			SECONDARY P.K.R.	
44										TRANSFER SWITCH	12



MOTOR CONTROL CENTER NO. 2 SINGLE LINE DIAGRAM

NOTES:
 1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
 2. FOR MOTOR CONTROL CENTER NOTES SEE DWG. NO. 139

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



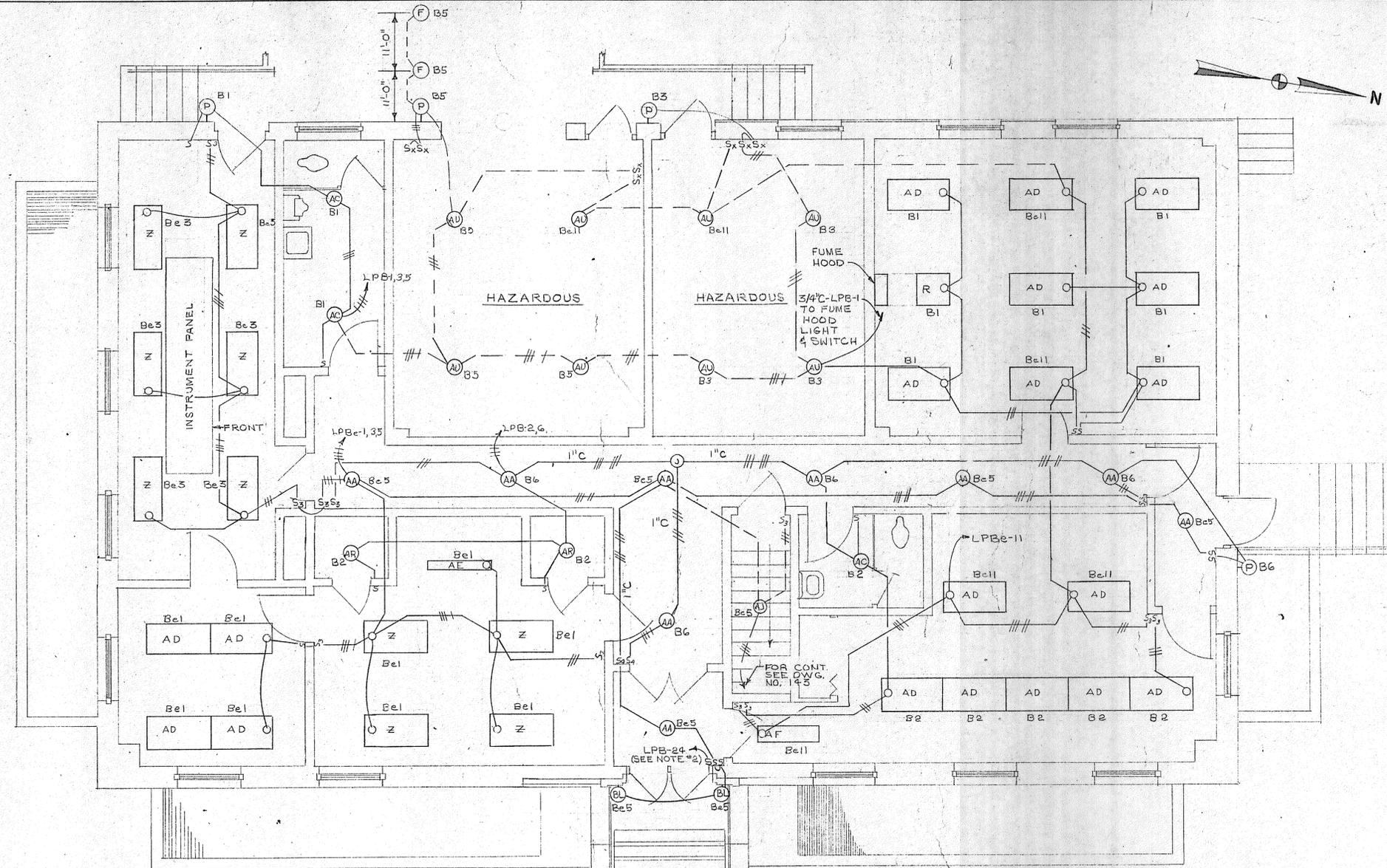
DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST 1970
 CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED: _____
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
 SYSTEM OF SEWERS
 CONTRACT NO. 2
 ELECTRICAL
 MOTOR CONTROL CENTER NO. 2
 SCALE: NOT TO SCALE
 C.A.M. NO. 1165
 DRAWING NO. 141

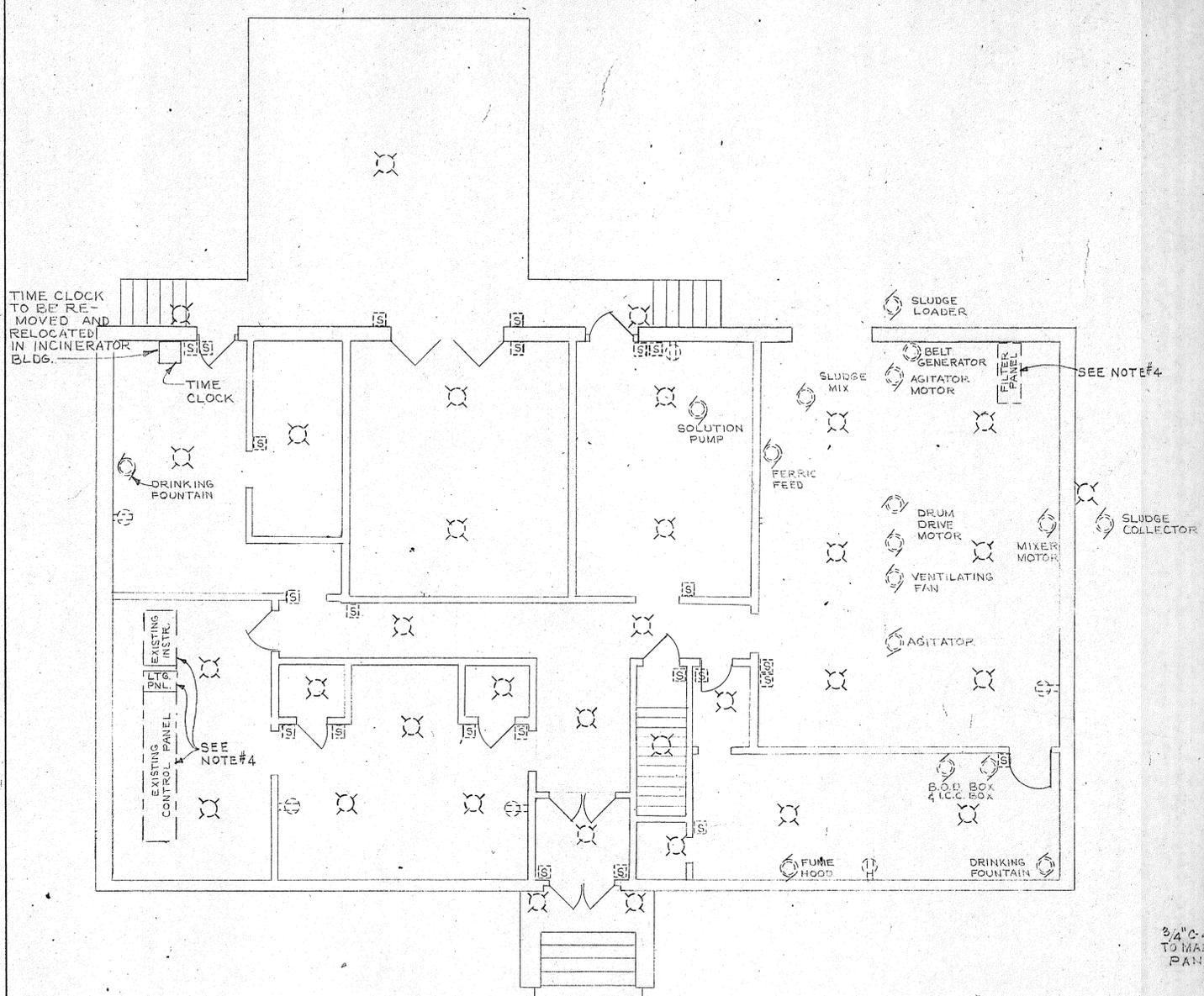
PANELBOARD LP"B"											
120/208 VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL											
225 AMP. MAIN LUGS ONLY											
LOCATION: CONTROL BUILDING											
MOUNTING: MCC #3											
CIRCUIT NO.	POLES	BR'K'R. FRAME	AMP. TRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS
							AØ	BØ	CØ		
1	1	20		LABORATORY & MENS TOILET LTG.	1.200	10.0				12	
2	1	20		OFFICE & MISC. LIGHTING	1.060	8.8				12	
3	1	20		CHLORINATOR ROOM LTG.	1.050		8.75			12	
4	1	20		SPARE						12	
5	1	20		TANK ROOM LTG.	1.450		12.0			12	
6	1	20		CORRIDOR LTG.	.950		8.0			12	
7	1	20		SETTLING TANK GALLERY LTG.	1.056	8.8				10	
8	1	20		RECEPTACLES-GALLERY (6)	1.080	9.0				12	
9	1	20		SETTLING TANK GALLERY LTG.	1.188		9.9			10	
10	1	20		HOLDING TANK-FLOOD LIGHTS	1.500		12.5			12	
11	1	20		UNIT HEATERS-GALLERY (EF 32,33)	0.480		8.0			12	
12	1	20		BASEMENT LIGHTING	0.750		6.25			12	
13	1	20		BASEMENT LIGHTING	0.900	7.5				12	
14	1	20		RECEPTACLES (6)	1.080	9.0				12	
15	1	20		RECEPTACLES (7)	1.260		10.5			12	
16	1	20		RECEPTACLES (6)	1.080	9.0				12	
17	1	20		SPARE						12	
18	1	20		RECEPTACLES (7)	1.260		10.5			12	
19	1	20		RECEPTACLES (4)	0.720	6.0				12	
20	1	20		REFRIGERATOR	1/3		7.2			12	
21	1	20		RECEPTACLES (5)	0.900		7.5			12	
22	1	20		B.O.D.	1/3		7.2			12	
23	1	20		DRINKING FOUNTAINS	1/4		11.6			12	
24	1	20		WALKWAY LIGHTS	0.360		5.0			12	
25	1	20		FLOOD LIGHTS	1.000	8.33				12	
26	1	20		RAW CLUDGE PUMP WATER SEAL PUMP	1/4		5.8			12	
27	1	20		SPARE						12	
28	1	20		SPARE						12	
29	1	20		SPARE						12	
30	1	20		SPARE						12	
31	2	20		RECEPTACLE	2.600	15.6	15.6			12	
32	2	20		RECEPTACLE	.666		4.0	4.0		12	
33	2	20		RECEPTACLE	.666		4.0	4.0		12	
34	2	20		RECEPTACLE	.666		4.0	4.0		12	
35	2	20		SPARE						12	
36	2	20		SPARE						12	
TOTALS					1 1/2	24.922	104.0	84.75	71.35		

NOTES:
 1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
 2. NAMEPLATE TO READ "WALKWAY LIGHTS".



PANELBOARD LP "B"											
120/208 VOLT 3 PHASE 4 WIRE SOLID NEUTRAL											
100 AMP. MAIN LUGS ONLY											
LOCATION: CONTROL BUILDING											
MOUNTING: M.C.C.#3											
CIRCUIT NO.	POLES	BR'K'R. FRAME	AMP. TRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS
							AØ	BØ	CØ		
1	1	20		OFFICE LIGHTING		1.000	8.33			12	
2	1	20		SETTLING TANK GALLERY LTG.	1.200	10.0				10	
3	1	20		INSTRUMENT RM. LTG.	.876		7.3			12	
4	1	20		SLUDGE HOLDING BLDG. LTG.	.600		5.0			12	
5	1	20		CORRIDOR	1.375		12.91			12	
6	1	20		CHLORINE EQUIPMENT	.720		6.0			12	
7	1	20		BASEMENT LIGHTING	1.200	10.0				12	
8	1	20		EXHAUST FANS (EF 32,33)	1/6		8.3			12	
9	1	20		RECEPTACLES (7)	1.260		10.5			12	
10	1	20		INTERCOM & TELEPHONE SYS.	1.200		10.0			12	
11	1	20		MISCELLANEOUS LIGHTING	1.080		9.0			12	
12	1	20		SPARE						12	
13-19	1	20		SPARE						12	SEVEN SPARE BKRS.
20	3	20		INSTRUMENT PANEL	.832	5.0	5.0	5.0		12	
21	2	20		BOILER PANEL	.666		4.0	4.0		12	
TOTALS					1 1/3	12.009	42.13	41.8	36.91		

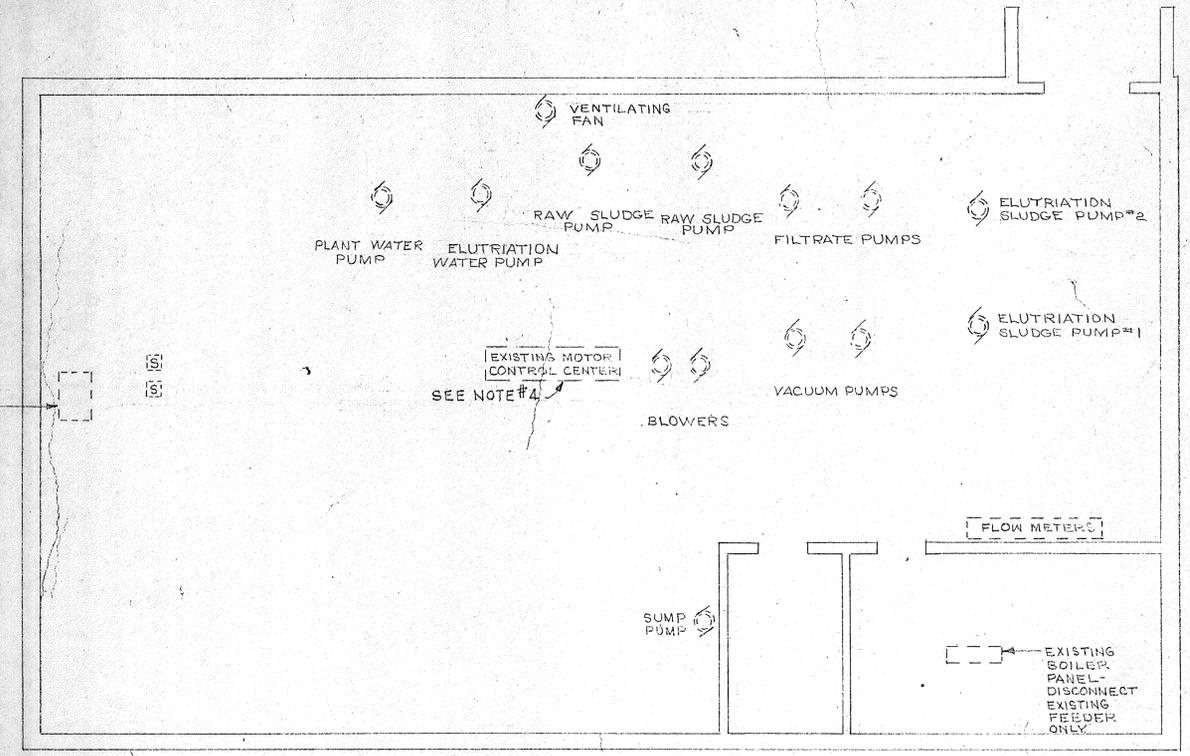
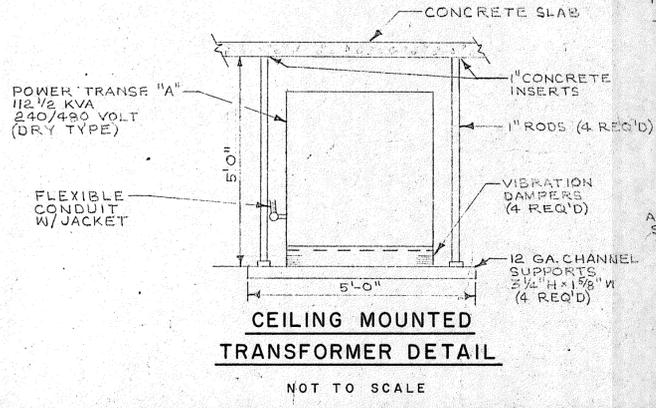
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE		DRAWN: R. BURMAN CHECKED: J. LITTLEJOHN DATE: AUGUST, 1970	DESIGNED: G. GACHOWSKI APPROVED: J. LITTLEJOHN	TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2 CONTROL BUILDING ELECTRICAL FIRST FLOOR LIGHTING	SCALE 1/4" = 1'-0" C.A.M. NO. 1165 DRAWING NO. 142
									CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.	APPROVED TOWN OF STRATFORD		



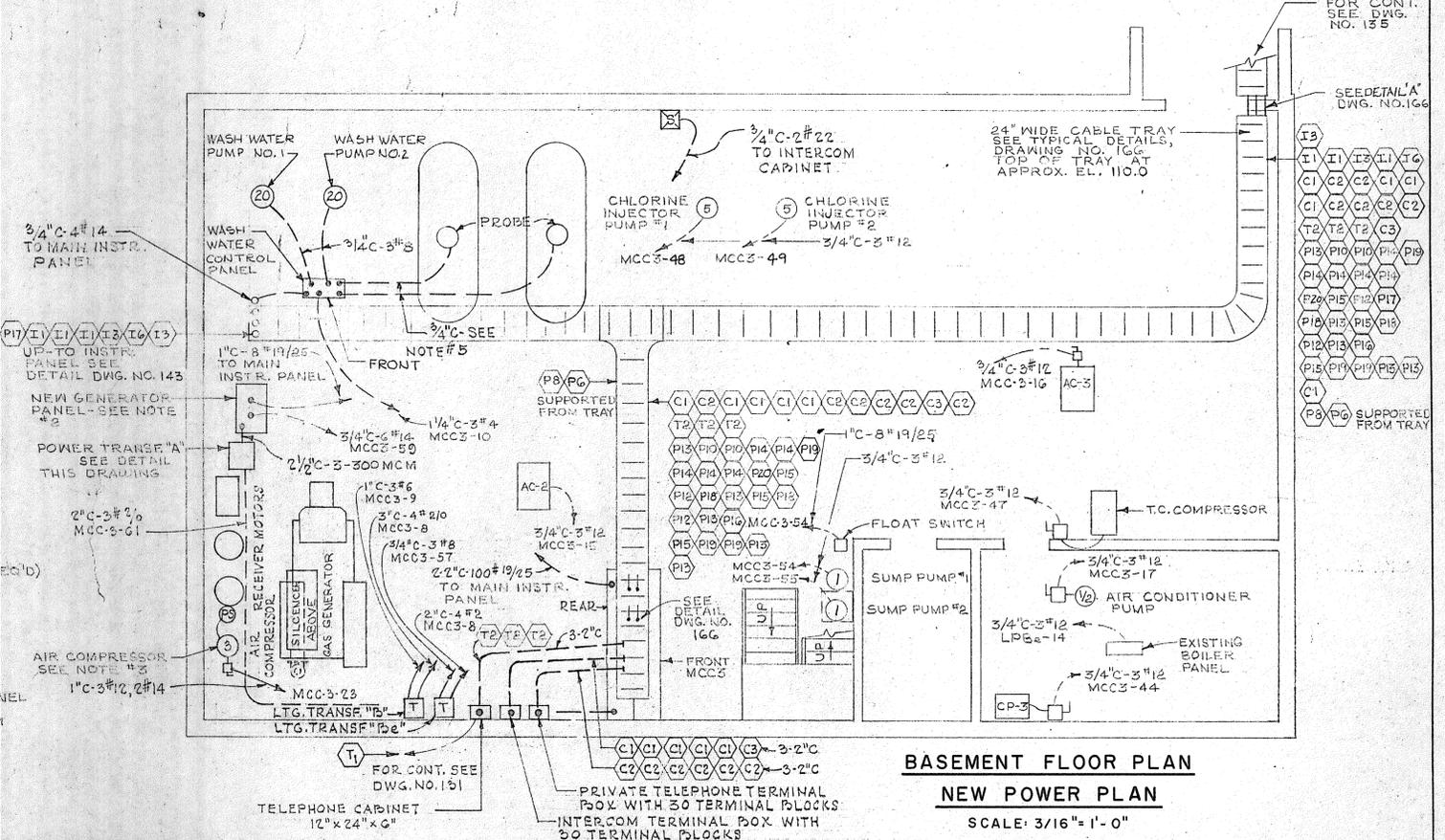
FIRST FLOOR PLAN
EXISTING EQUIPMENT TO BE REMOVED
 SCALE: 3/16" = 1'-0"

NOTES:

- FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
- EXISTING GENERATOR PANEL TO BE DISCONNECTED AND REMOVED. NEW PANEL TO BE INSTALLED IN SAME LOCATION.
- EXISTING AIR COMPRESSOR MOTOR TO BE DISCONNECTED AND EXISTING CONDUIT AND CABLE REMOVED. MOTOR TO BE REWIRED FOR OPERATION ON 480 VOLTS, 3Ø-GON AND RECONNECTED AS INDICATED.
- EXISTING PANELS TO BE DISCONNECTED AND ALL EXISTING CONDUITS AND CABLES REMOVED. PANELS TO BE REMOVED AND SALVAGED.
- CABLE TO BE FURNISHED WITH PROBE



BASEMENT FLOOR PLAN
EXISTING EQUIPMENT TO BE REMOVED
 SCALE: 3/16" = 1'-0"



BASEMENT FLOOR PLAN
NEW POWER PLAN
 SCALE: 3/16" = 1'-0"

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
ENGINEERS

PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2

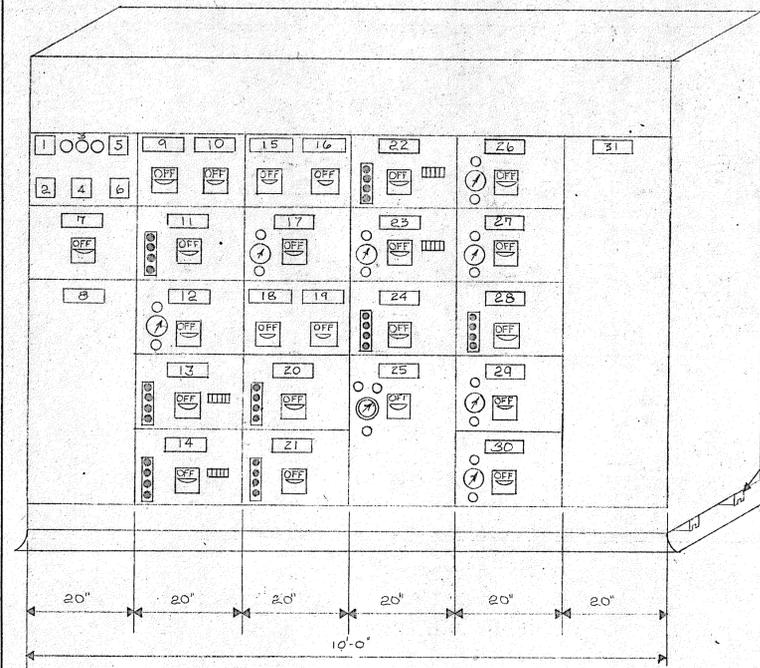
CONTROL BUILDING
 ELECTRICAL

MISCELLANEOUS ALTERATIONS

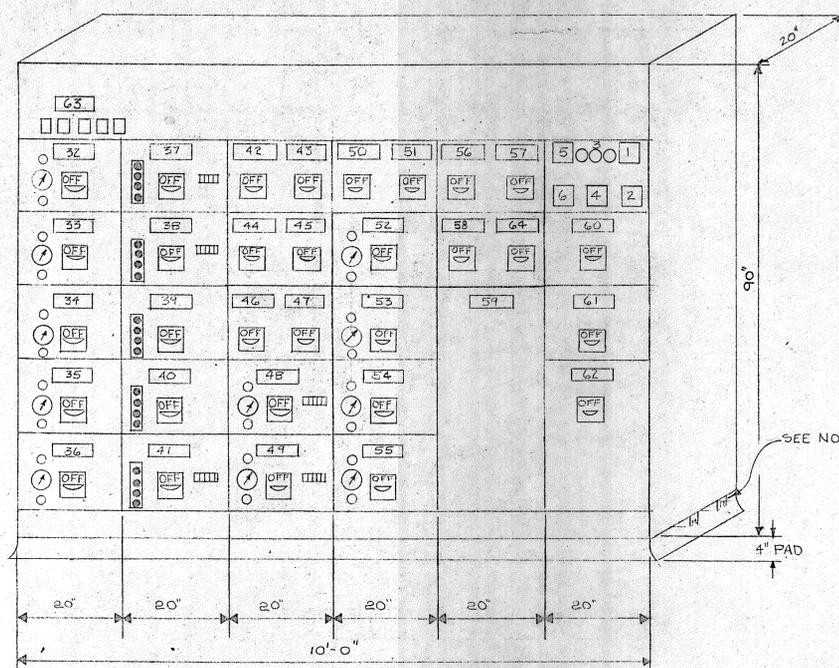
SCALE AS NOTED

C. A. M. NO. 1165

DRAWING NO. **144**



FRONT ELEVATION

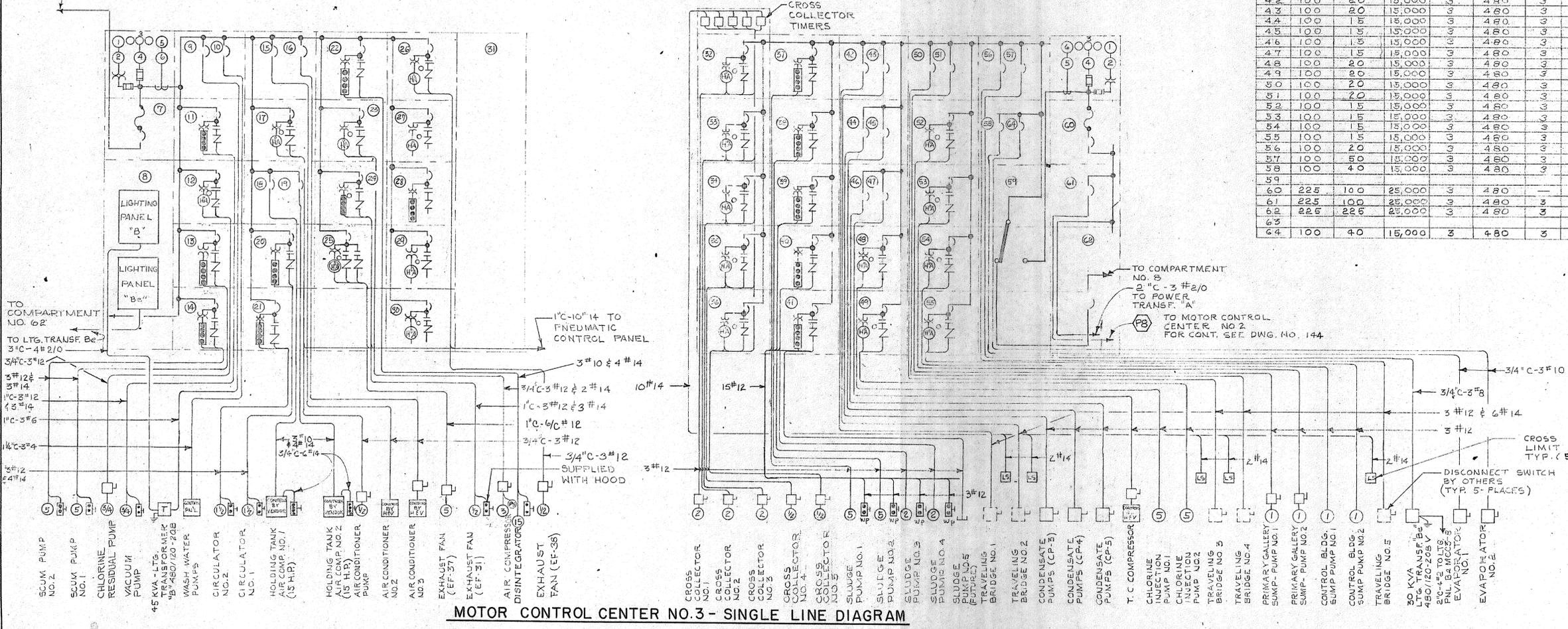


REAR ELEVATION

MOTOR CONTROL CENTER NO. 3

MOTOR CONTROL CENTER NO. 3 SCHEDULE											
PART NO.	FRAME SIZE AMPS	TRIP SETTING AMPS	I.C. CAP AMPS AT 480	NO. OF POLES	OPER. VOLTAGE	LUGS NO.	LUGS SIZE	START NEMA SIZE	HP	NAMEPLATE	SEE NOTE
1					0/600					VOLMETER	
2					0/600					VOLMETER SWITCH	
3					0/600					GROUND DETECTOR LAMPS	
4					0/600					GROUND DETECTOR SWITCH	
5					0/600					AMMETER	
6					0/600					AMMETER SWITCH	
7	600	500	35,000	3	480	3	500			MAIN SECONDARY BREAKER	
8										LTC PANELS B & Bc	
9	100	70	15,000	3	480	3	6			LTC TRANSF. B BREAKER	
10	100	100	15,000	3	480	3	4			WASH WATER PUMPS BKR	
11	100	15	15,000	3	480	3	12		3/4	VACUUM PUMP	3
12	100	15	15,000	3	480	3	12		3/4	CHLORINE RESIDUAL PUMP	2
13	100	20	15,000	3	480	3	12		5	SCUM PUMP NO. 1	3,7
14	100	20	15,000	3	480	3	12		5	SCUM PUMP NO. 2	3,7
15	100	20	15,000	3	480	3	12			AIR CONDITIONER NO. 2	
16	100	15	15,000	3	480	3	12			AIR CONDITIONER NO. 3	
17	100	15	15,000	3	480	3	12		1/2	AIR CONDITIONER PUMP	2
18	100	50	15,000	3	480	3	10			HOLDING TANK AIR COMP. NO. 1 BKR	
19	100	50	15,000	3	480	3	10			HOLDING TANK AIR COMP. NO. 2 BKR	
20	100	15	15,000	3	480	3	12		1/2	CIRCULATOR NO. 1	3
21	100	15	15,000	3	480	3	12		1/2	CIRCULATOR NO. 2	3
22	100	50	15,000	3	480	3	10		2	DISINTEGRATOR	3,7
23	100	15	15,000	3	480	3	12		3	AIR COMPRESSOR	2,7
24	100	15	15,000	3	480	3	12		1/2	EXHAUST FAN (EF-31)	3
25	100	20	15,000	3	480	3	12		5	EXHAUST FAN (EF-37)	11,18
26	100	15	15,000	3	480	3	12		1/2	EXHAUST FAN (EF-38)	2
27	100	15	15,000	3	480	3	12			BLANK (SPARE)	2
28	100	15	15,000	3	480	3	12			BLANK (SPARE)	2
29	100	15	15,000	3	480	3	12			BLANK (SPARE)	2
30	100	15	15,000	3	480	3	12			BLANK (SPARE)	2
31										EMPTY COMPARTMENT	
32	100	15	15,000	3	480	3	12		2	CROSS COLLECTOR NO. 1	2
33	100	15	15,000	3	480	3	12		2	CROSS COLLECTOR NO. 2	2
34	100	15	15,000	3	480	3	12		2	CROSS COLLECTOR NO. 3	2
35	100	15	15,000	3	480	3	12		1/2	CROSS COLLECTOR NO. 4	2
36	100	15	15,000	3	480	3	12		1/2	CROSS COLLECTOR NO. 5	2
37	100	20	15,000	3	480	3	12		5	SLUDGE PUMP NO. 1	3,7
38	100	20	15,000	3	480	3	12		5	SLUDGE PUMP NO. 2	3,7
39	100	15	15,000	3	480	3	12		2	SLUDGE PUMP NO. 3	3
40	100	15	15,000	3	480	3	12		2	SLUDGE PUMP NO. 4	3
41	100	20	15,000	3	480	3	12		5	SLUDGE PUMP NO. 5 (FUTURE)	3,7
42	100	20	15,000	3	480	3	12			TRAVELING BRIDGE NO. 1	
43	100	20	15,000	3	480	3	12			TRAVELING BRIDGE NO. 2	
44	100	15	15,000	3	480	3	12			CONDENSATE PUMPS (CP-3)	
45	100	15	15,000	3	480	3	12			CONDENSATE PUMPS (CP-4)	
46	100	15	15,000	3	480	3	12			CONDENSATE PUMPS (CP-5)	
47	100	15	15,000	3	480	3	12			T. C. COMPRESSOR	
48	100	20	15,000	3	480	3	12			CHLORINE INJECTION PUMP NO. 1	2,7
49	100	20	15,000	3	480	3	12			CHLORINE INJECTION PUMP NO. 2	2,7
50	100	20	15,000	3	480	3	12			TRAVELING BRIDGE NO. 3	
51	100	20	15,000	3	480	3	12			TRAVELING BRIDGE NO. 4	
52	100	15	15,000	3	480	3	12			PRIMARY GALLERY SUMP PUMP NO. 1	2
53	100	15	15,000	3	480	3	12			PRIMARY GALLERY SUMP PUMP NO. 2	2
54	100	15	15,000	3	480	3	12			CONTROL BLDG. SUMP PUMP NO. 1	2
55	100	15	15,000	3	480	3	12			CONTROL BLDG. SUMP PUMP NO. 2	2
56	100	20	15,000	3	480	3	12			TRAVELING BRIDGE NO. 5	
57	100	50	15,000	3	480	3	10			LTC TRANSF. Bc BKR	
58	100	40	15,000	3	480	3	10			EVAPORATOR NO. 1	
59										TRANSFER SWITCH	12
60	225	100	25,000	3	480	3	10			EMERGENCY SECONDARY BKR	
61	225	100	25,000	3	480	3	10			M.C.C. #2 EMERG. BKR	
62	225	225	25,000	3	480	3	2/0			TRANSFER SWITCH BKR	
63										CROSS COLLECTOR TIMERS	16
64	100	40	15,000	3	480	3	10			EVAPORATOR NO. 2	

TO MAIN DISTRIBUTION SWITCHBOARD FOR CONT. SEE DWG. NO. 144



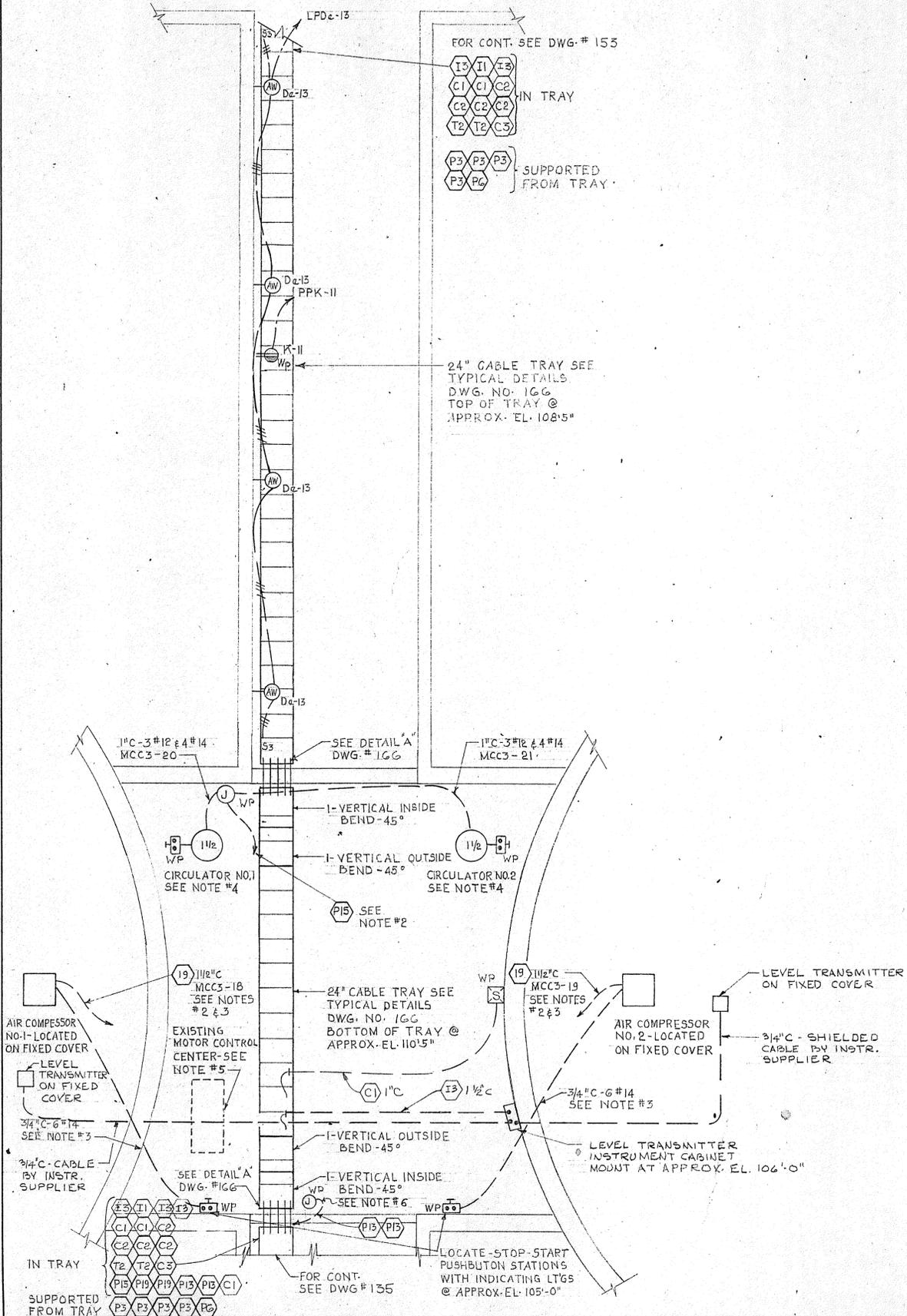
MOTOR CONTROL CENTER NO. 3 - SINGLE LINE DIAGRAM

NOTES:
 1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
 2. FOR MOTOR CONTROL CENTER NOTES SEE DWG. NO. 139

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: R. BURMAN CHECKED: J. LITTLEJOHN DATE: AUGUST, 1970	DESIGNED: G. GACHOWSKI APPROVED: J. LITTLEJOHN	TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2 ELECTRICAL	SCALE NO SCALE C. A. M. NO. 1165
CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.	APPROVED		TOWN OF STRATFORD

INCINERATOR BUILDING



NOTES:

1. FOR GENERAL NOTES AND LEGEND SEE DRAWING NO. 133
2. ROUTE CABLES VIA CONDUIT TO CABLE TRAY. FOR TERMINATION OF CONDUIT AT TRAY SEE DETAIL DRAWING NO. 166
3. SEAL CONDUIT ENTERING BUILDING PER DETAIL DRAWING NO. 166
4. DISCONNECT EXISTING MOTOR AND REMOVE ALL EXISTING CONDUIT AND WIRE. RECONNECT MOTOR AND NEW CONTROL STATION AS INDICATED.
5. DISCONNECT AND REMOVE ALL EXISTING CONDUITS AND WIRE TO EXISTING MOTOR CONTROL CENTER. EXISTING MOTOR CONTROL CENTER TO BE REMOVED AND FLOOR PATCHED.
6. TIE INTO EXISTING CONDUIT & CABLES FEEDING EXISTING FLOODLIGHTS ON TOP OF TANKS AND EXISTING LIGHTING INSIDE BUILDING.
FLOODLIGHT - LPB-10
INTERIOR LIGHTS - LPB-a-4.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: L. KALINA DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS

PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2

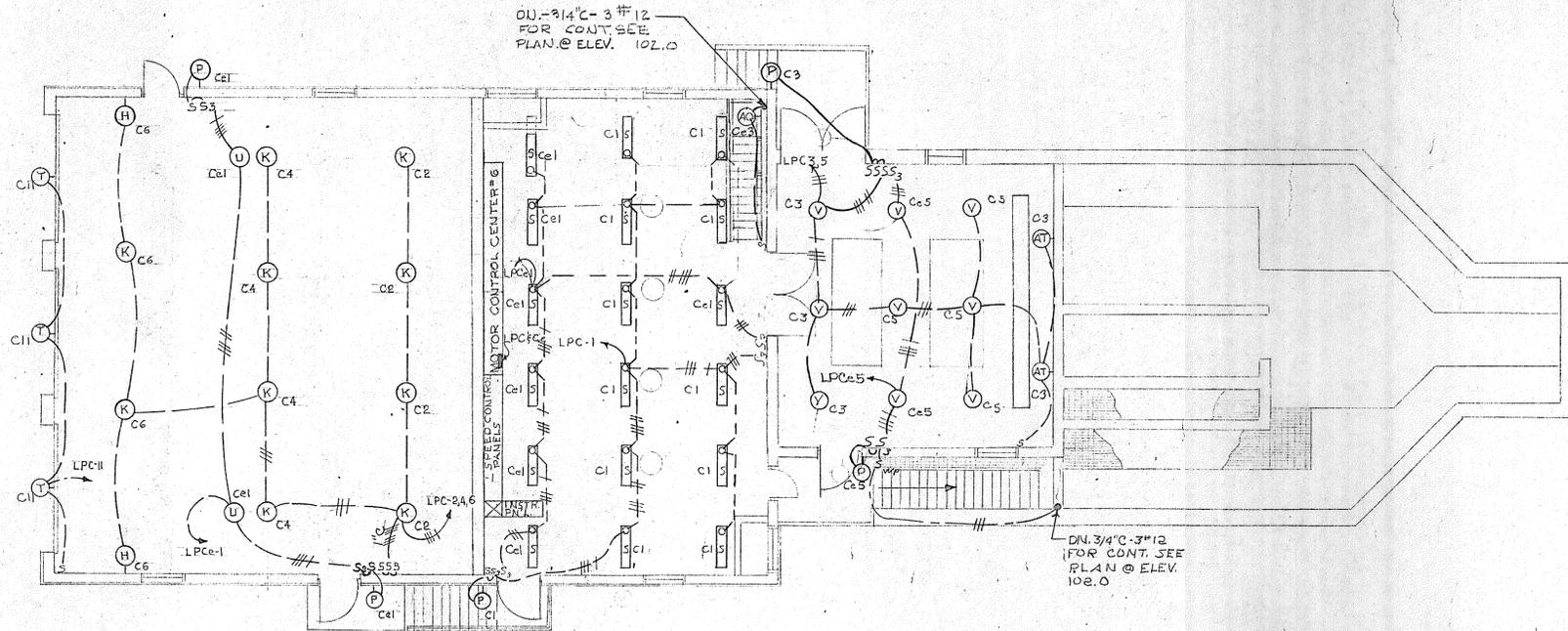
SLUDGE HOLDING BUILDING
 ELECTRICAL

POWER & LIGHTING

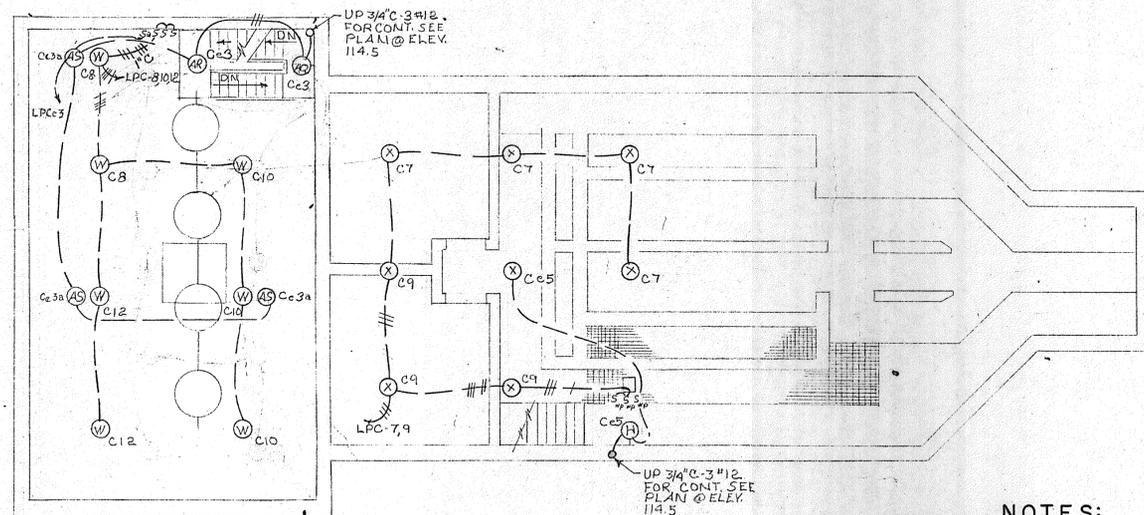
SCALE:
 1/4" = 1'-0"

C. A. M. NO. 1165

DRAWING NO.
146



LIGHTING PLAN - ELEVATION 114.5



LIGHTING PLAN - ELEVATION 102.0

NOTES:

1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133

PANELBOARD LPC
120/208 VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL
100 AMP. MAIN LUGS ONLY
LOCATION: RAW SEWAGE BLDG.
MOUNTING: M.C.C.#6

CIRCUIT NO.	POLES	BR'K'R. FRAME AMP. TRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS	
						AØ	BØ	CØ			
1	1	20	CONTROL ROOM LIGHTING		1.184	9.9			12		
2	1	20	GARAGE LIGHTING		1.140	9.5			12		
3	1	20	GRIT HANDLING ROOM LIGHTING		1.450		12.8		12		
4	1	20	GARAGE LIGHTING		1.140	9.5			12		
5	1	20	GRIT HANDLING ROOM LIGHTING		1.200		10.0		12		
6	1	20	GARAGE LIGHTING		.970		8.1		12		
7	1	20	LIGHTING EL. 102.0		1.200	10.0			12		
8	1	20	PUMP ROOM LIGHTING		.916	7.63			12		
9	1	20	LIGHTING EL. 102.0		.900		7.5		12		
10	1	20	PUMP ROOM LIGHTING		1.374		11.45		12		
11	1	20	MISC. LIGHTING		.600		5.0		12		
12	1	20	PUMP ROOM LIGHTING		.916		7.63		12		
13	1	20	GARAGE RECEPTACLES (4)		.720	6.0			12		
14	1	20	EXHAUST FAN (EF-2T)	1/4		5.8			12		
15	1	20	DRINKING - FOUNTAIN	1/4		5.8			12		
16	1	20	SPARE						12		
17	1	20	SPARE						12		
18	1	20	SPARE						12		
19	1	20	SPARE						12		
20	1	20	SPARE						12		
TOTALS				1 1/2	13.700	48.83	47.0	30.73			

PANELBOARD LPCe
120/208VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL
100 AMP. MAIN LUGS ONLY
LOCATION: RAW SEWAGE BLDG.
MOUNTING: M.C.C.#6

CIRCUIT NO.	POLES	BR'K'R. FRAME AMP. TRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS	
						AØ	BØ	CØ			
1	1	20	CONTROL ROOM & GARAGE LTG.		1.558	13.0			12		
2	1	20	T.C. COMPRESSOR DRYER		1.000	8.33			12		
3	1	20	PUMP ROOM & STAIRS LTG.		1.500		12.5		12		
4	1	20	PUMP ROOM RECEPTACLES (5)		.900		7.5		12		
5	1	20	GRIT HANDLING RM. & MISC. LTG.		1.150		9.5		12		
6	1	20	CONTROL ROOM RECEPTACLES (6)		1.080		9.0		12		
7	1	20	UNIT HEATERS #1, 2 & 3	3-1/2		13.2			12		
8	1	20	BATTERY CHARGERS		.480	4.0			12		
9	1	20	SAMPLER		.240		2.0		12		
10	1	20	SCANNER & TELEPHONE RELAYS		.240		2.0		12		
11	1	20	INSTRUMENT PANEL		1.200		10.0		12		
12	1	20	WATER SEAL PUMPS	1/3			7.2		12		
13	1	20	GENERATOR NO. 1 FUEL OIL PUMP	1/3		7.2			12		
14	1	20	SPARE						12		
15	1	20	GENERATOR NO. 2 FUEL OIL PUMP	1/3		7.2			12		
16	3	20	SPARE						12		
17	1	20	SPARE						12		
18	1	20	SPARE						12		
19	1	20	SPARE						12		
20	1	20	SPARE						12		
21	1	20	SPACE						12		
22	1	20	SPACE						12		
23	1	20	SPACE						12		
24	1	20	SPACE						12		
25	1	20	SPACE						12		
26	2	20	CABINET HEATER (WATER PIT)		2.000		9.8	9.8	12		
27	3	20	SEQUENCING PANEL		1.439	5.0	5.0	5.0	12		
TOTALS				1 1/2	12.787	50.73	46.0	50.5			

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



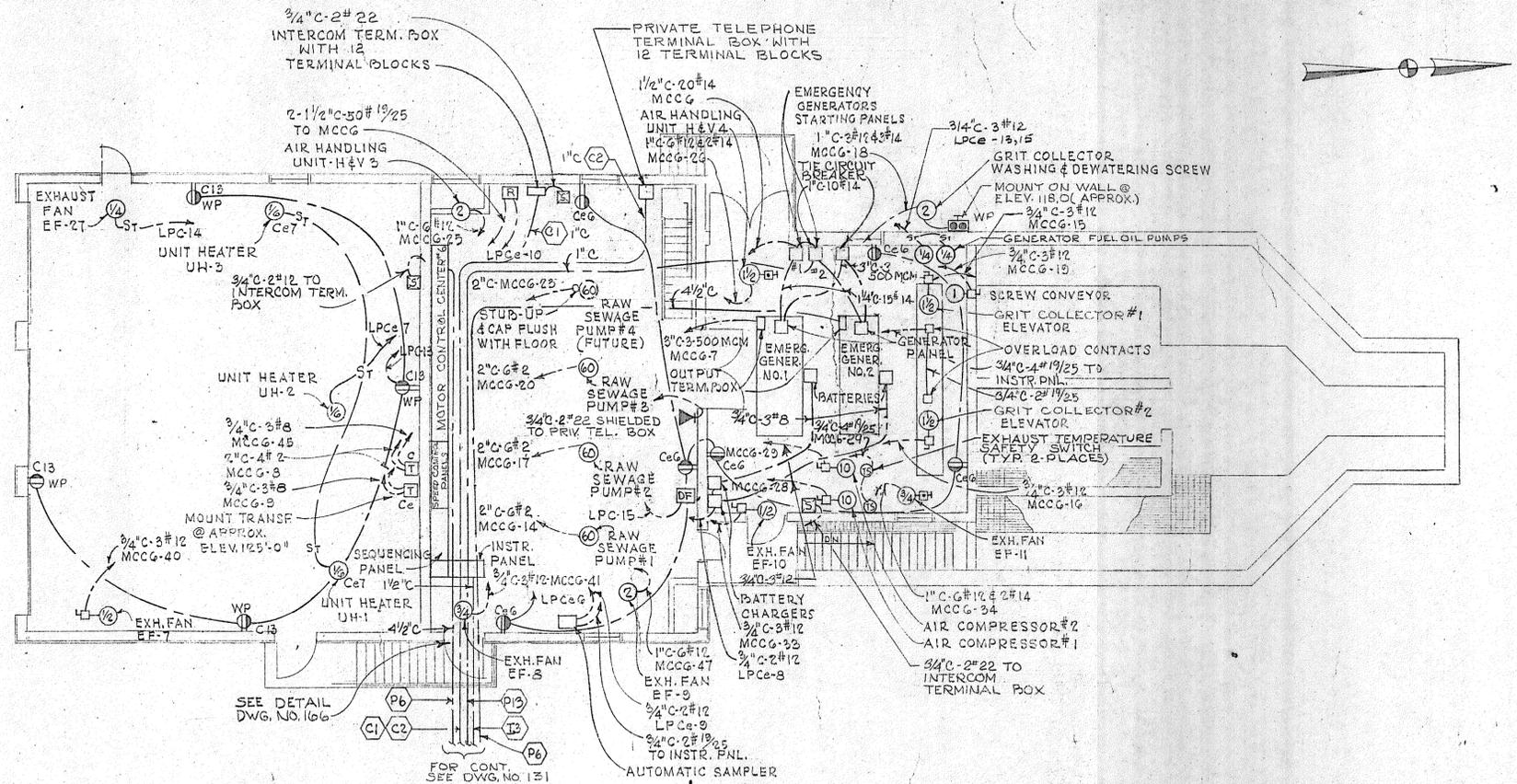
DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: APPROVED: DATE: _____
CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED _____

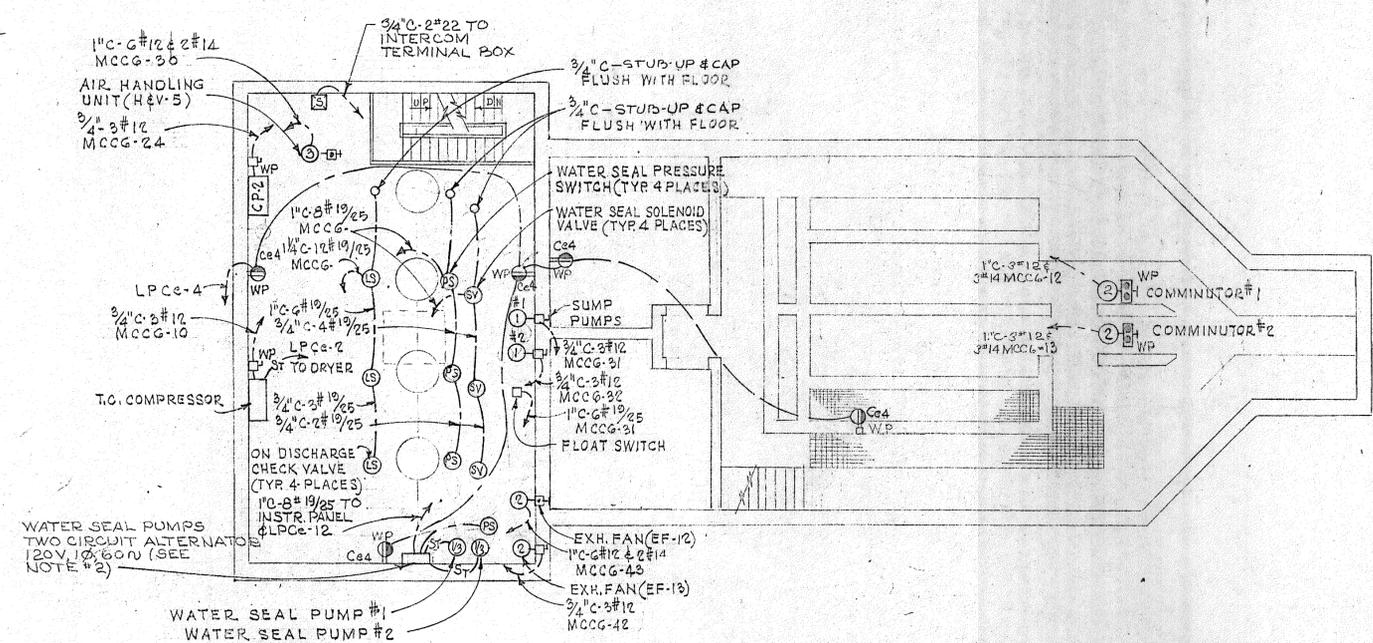
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 RAW SEWAGE PUMPING STATION AND INLET WORKS
 ELECTRICAL
 LIGHTING PLANS

SCALE
 1/8" = 1'-0"
 C.A.M. NO. 1165
 DRAWING NO.
147



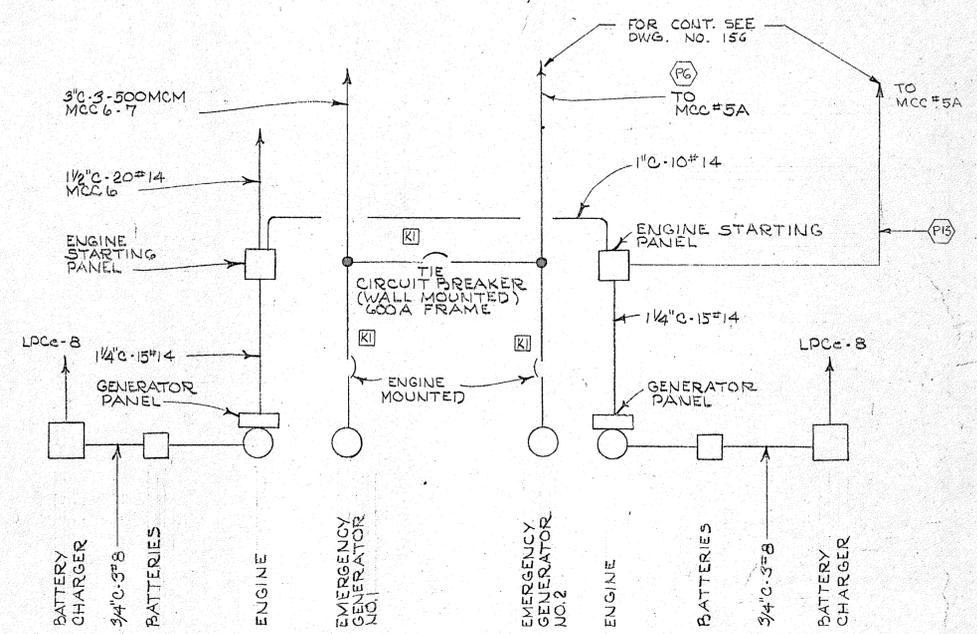
POWER PLAN - ELEVATION 114.5
SCALE: 1/8" = 1'-0"



POWER PLAN - ELEVATION 102.0
SCALE: 1/8" = 1'-0"

NOTES:

1. FOR GENERAL NOTES AND LEGEND, SEE DWG. NO. 133
2. FOR WATER SEAL PUMP CONTROL DIAGRAM, SEE DWG. NO. 162



**EMERGENCY GENERATORS
SINGLE LINE DIAGRAM**

NOT TO SCALE

NOTE:

BREAKERS TO BE KEY INTERLOCKED SO THAT ONLY TWO BREAKERS CAN BE IN THE CLOSED POSITION AT ANY ONE TIME. WHENEVER THE TIE CIRCUIT BREAKER IS IN THE CLOSED POSITION, LOADS ON MCC #5 AND MCC #6 MUST BE REDUCED BEFORE STARTING GENERATOR.

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

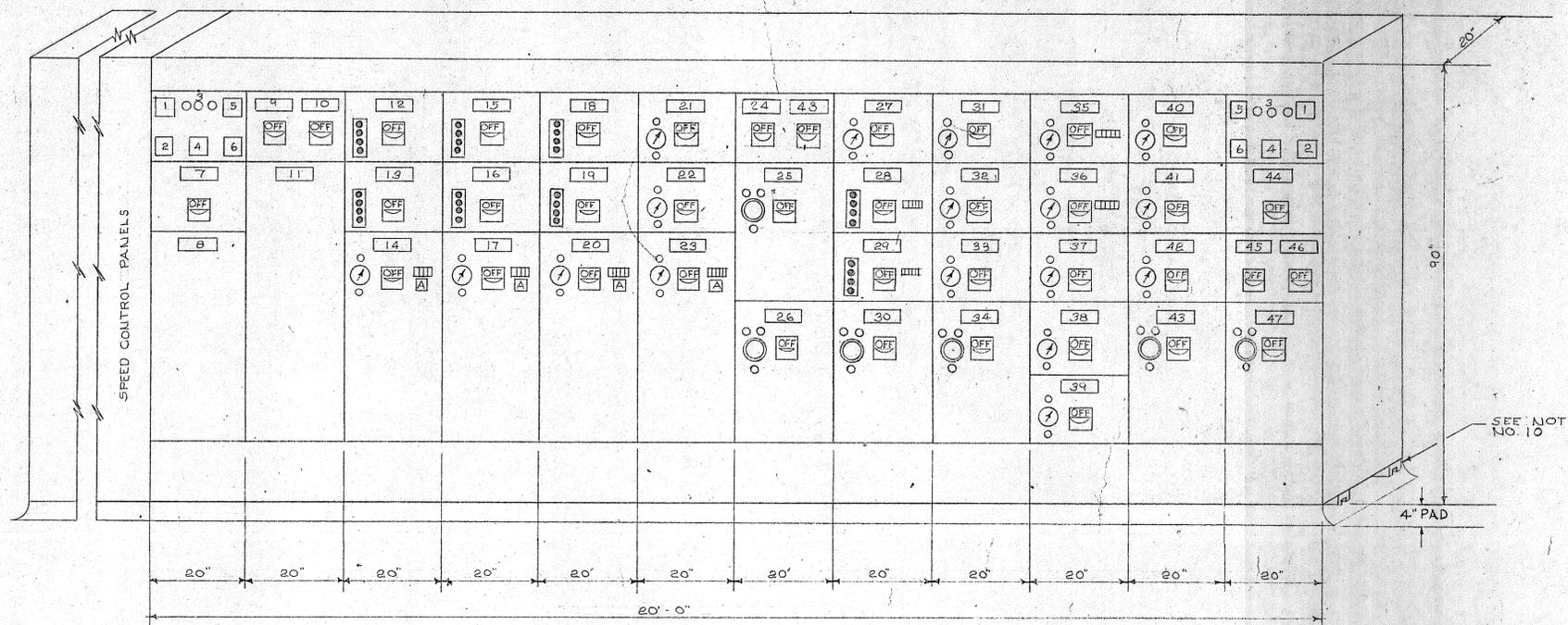


DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLE
 DATE: _____
**CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS**
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

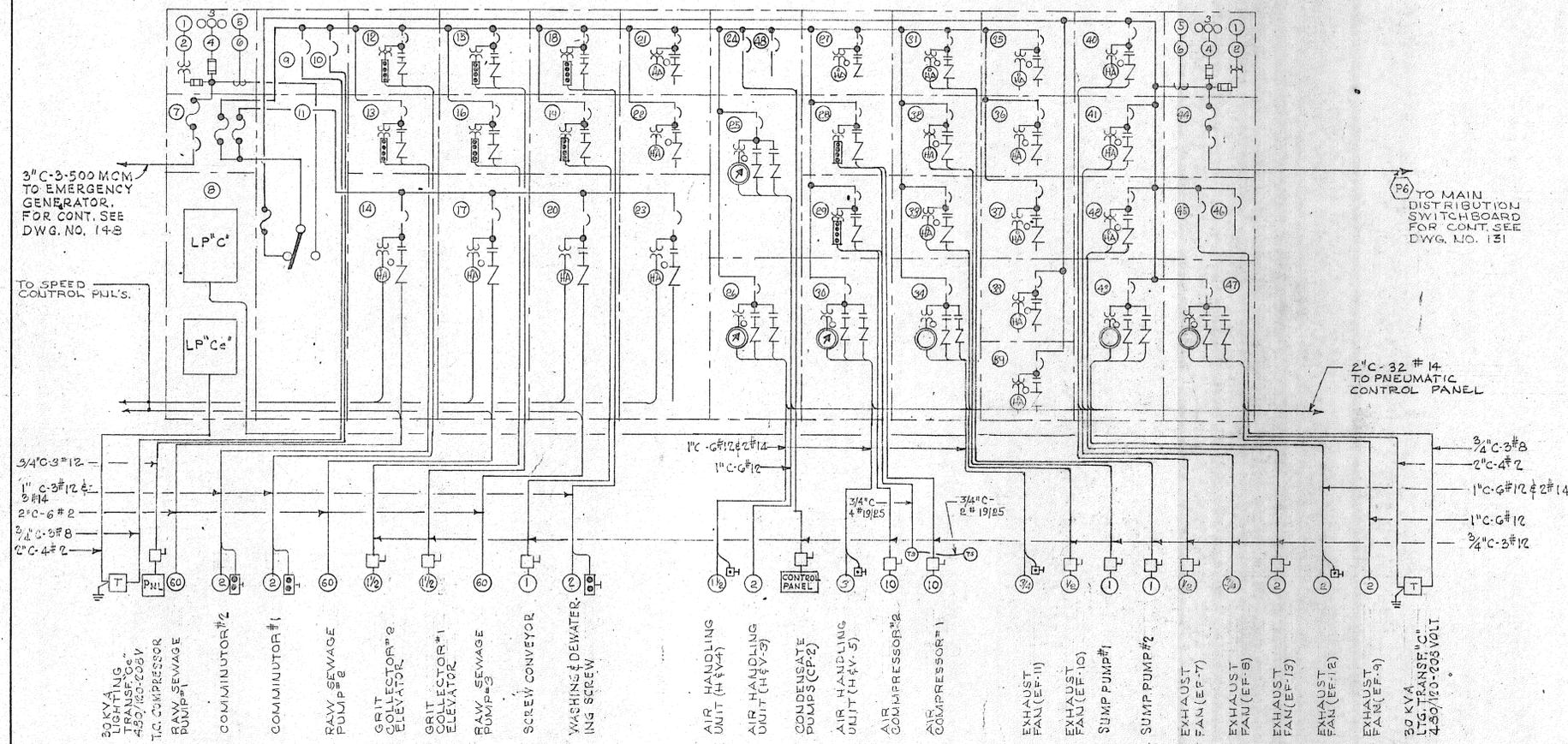
APPROVED _____
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 RAW SEWAGE PUMPING STATION AND INLET WORKS
 ELECTRICAL
POWER PLANS

SCALE
 AS NOTED
 C.A.M. NO. 1165
 DRAWING NO.
148



ELEVATION - MOTOR CONTROL CENTER NO. 6

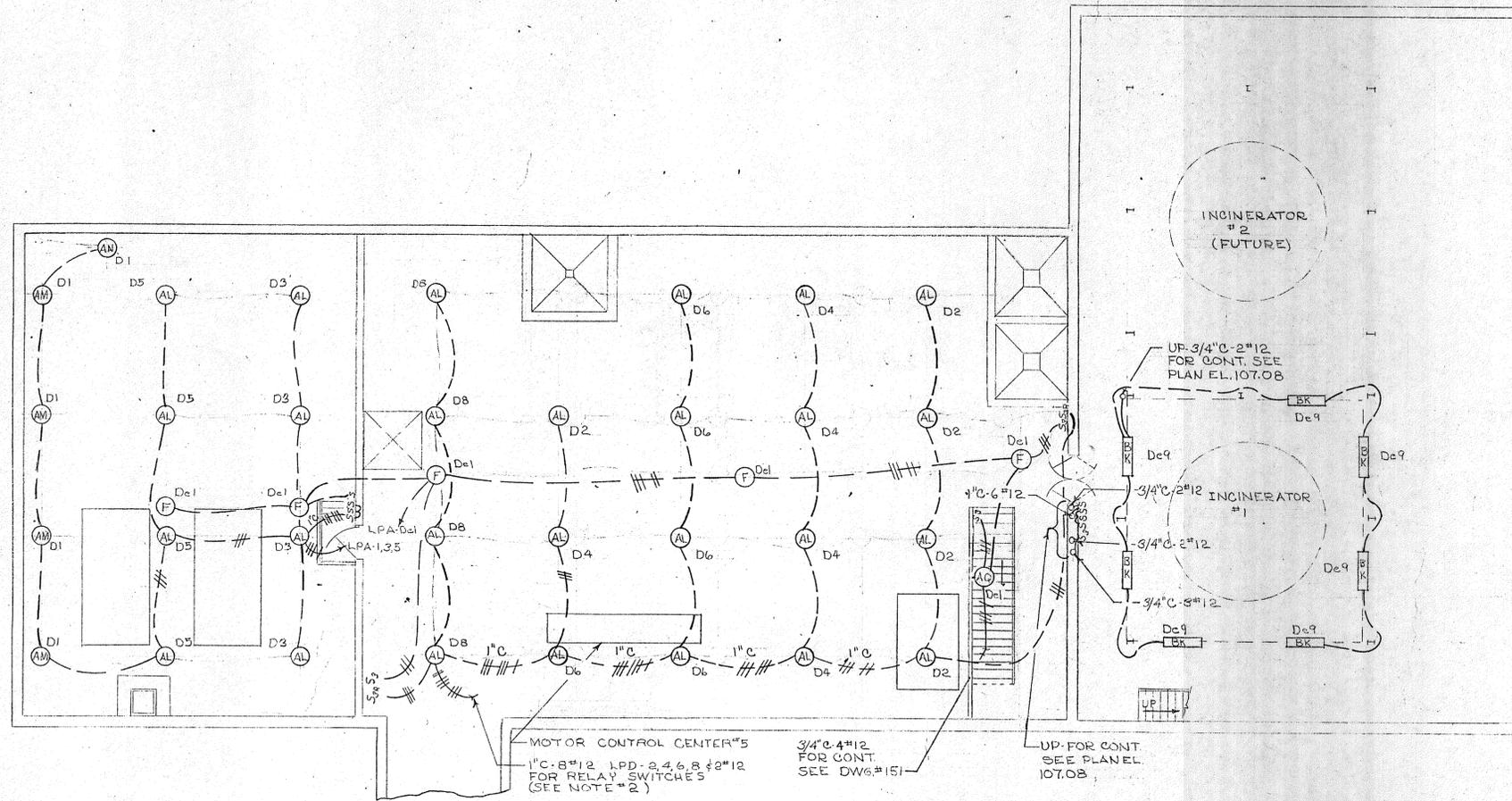


MOTOR CONTROL CENTER NO. 6 - SINGLE LINE DIAGRAM

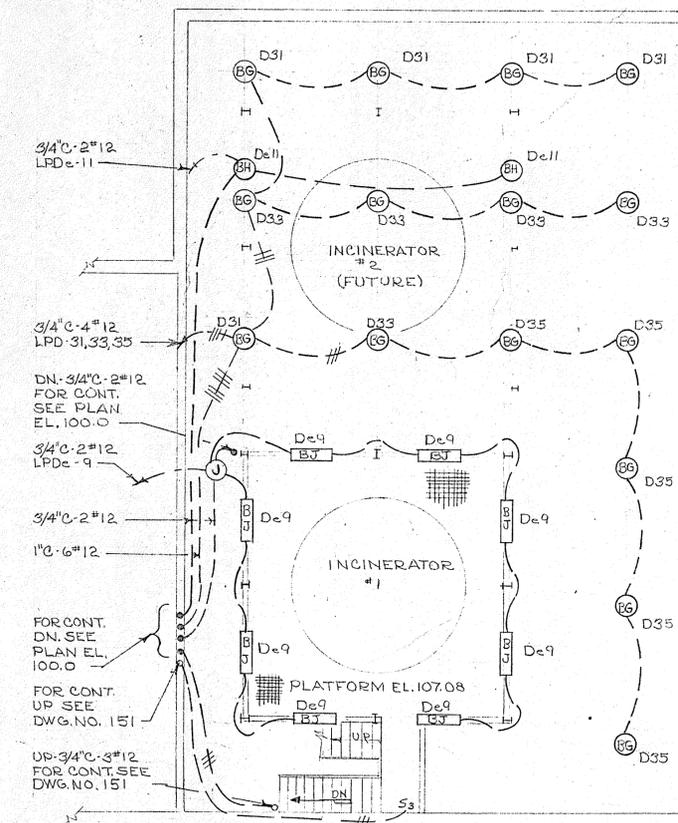
MOTOR CONTROL CENTER NO. 6 SCHEDULE											
PART NO.	FRAME SIZE AMPS	TRIP SETTING AMPS	I.C. CAP AMPS AT 480	NO. OF POLES	OPER. VOLTAGE	LUGS NO.	LUGS SIZE	START NEMA SIZE	H.P.	NAMEPLATE	SEE NOTE
1					0/600					VOLTMETER	
2					0/600					VOLTMETER SWITCH	
3					0/600					GROUND DETECTOR LAMPS	
4					0/600					GROUND DETECTOR SWITCH	
5					0/600					AMMETER	
6					0/600					AMMETER SWITCH	
7	600	400	35,000	3	480	3	500 MCM			SECONDARY BREAKER	2
8										LIGHTING PULS. C.F.C.	
9	100	50	15,000	3	480	3	8			LTG. TRANSFORMER "C"	
10	100	15	15,000	3	480	3	12			T.C. COMPRESSOR BK.R.	
11										TRAFUSER SWITCH	1,2
12	100	15	15,000	3	480	3	12	1	2	COMMUNICATOR #1	3
13	100	15	15,000	3	480	3	12	1	2	COMMUNICATOR #2	3
14	22.5	12.5	25,000	3	480	3	2	4	60	RAW SEWAGE PUMP #1	2,4,7,8
15	100	15	15,000	3	480	3	12	1	1/2	GRIT COLLECTOR #1 ELEVATOR	3
16	100	15	15,000	3	480	3	12	1	1/2	GRIT COLLECTOR #2 ELEVATOR	3
17	22.5	12.5	25,000	3	480	3	2	4	60	RAW SEWAGE PUMP #2	2,4,7,8
18	100	15	15,000	3	480	3	12	1	2	WASHING & DEWATERING SCREW	3
19	100	15	15,000	3	480	3	12	1	1	SCREW CONVEYOR	3
20	22.5	12.5	25,000	3	480	3	2	4	60	RAW SEWAGE PUMP #3	2,4,7,8
21	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
22	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
23	22.5	12.5	25,000	3	480	3	2	4	60	RAW SEWAGE PUMP #4 (FUTURE)	2,4,7,8
24	100	15	15,000	3	480	3	12			CONDENSATE PUMPS (CP2)	
25	100	15	15,000	3	480	6	12	1	2	AIR HANDLING UNIT (H#V3)	11,13
26	100	15	15,000	3	480	6	12	1	1/2	AIR HANDLING UNIT (H#V4)	11,13
27	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
28	100	40	15,000	3	480	3	12	1	10	AIR COMPRESSOR #1	3,7
29	100	40	15,000	3	480	3	12	1	10	AIR COMPRESSOR #2	3,7
30	100	15	15,000	3	480	6	12	1	3	AIR HANDLING UNIT (H#V5)	11,13
31	100	15	15,000	3	480	3	12	1	1	SUMP PUMP #1	2
32	100	15	15,000	3	480	3	12	1	1	SUMP PUMP #2	2
33	100	15	15,000	3	480	3	12	1	1/2	EXHAUST FAN (EF-10)	2
34	100	15	15,000	3	480	6	12	1	3/4	EXHAUST FAN (EF-11)	11,13
35	100	20	15,000	3	480	3	10	1		BLANK (SPARE)	2,7
36	100	20	15,000	3	480	3	10	1		BLANK (SPARE)	2,7
37	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
38	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
39	100	15	15,000	3	480	3	12	1		BLANK (SPARE)	2
40	100	15	15,000	3	480	3	12	1	1/2	EXHAUST FAN (EF-7)	2
41	100	15	15,000	3	480	3	12	1	3/4	EXHAUST FAN (EF-8)	2
42	100	15	15,000	3	480	3	12	1	2	EXHAUST FAN (EF-13)	2
43	100	15	15,000	3	480	6	12	1	2	EXHAUST FAN (EF-12)	11,13
44	600	600	100,000	3	480	3	500 MCM			MAIN SECONDARY BREAKER	
45	100	50	15,000	3	480	3	8			LTG. TRANSFORMER "C"	
46	100	20	15,000	3	480	3	10			SPARE BREAKER	
47	100	15	15,000	3	480	6	12	1	2	EXHAUST FAN (EF-9)	11,13
48	100	15	15,000	3	480	3	12			SPARE BREAKER	

NOTES:
 1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
 2. FOR MOTOR CONTROL CENTER NOTES SEE DWG. NO. 139

				DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN DATE: AUGUST, 1970			TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2 ELECTRICAL		SCALE NO SCALE C. A. M. NO. 1165	
CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.				APPROVED _____			TOWN OF STRATFORD		DRAWING NO. 149	
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE			



LIGHTING PLAN - ELEVATION 100.0

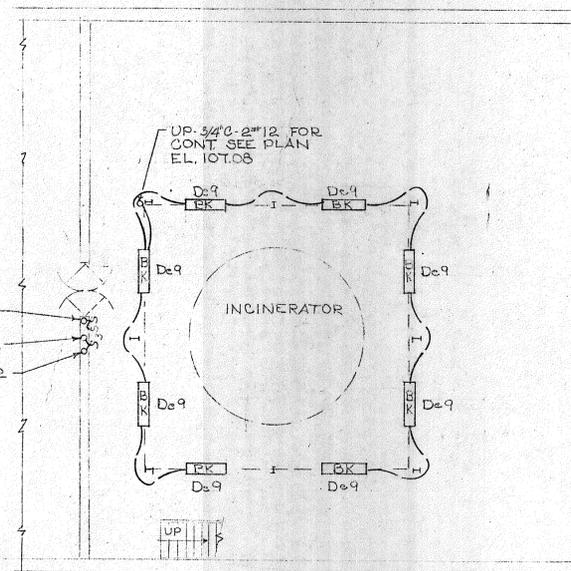


LIGHTING PLAN - ELEVATION 107.08

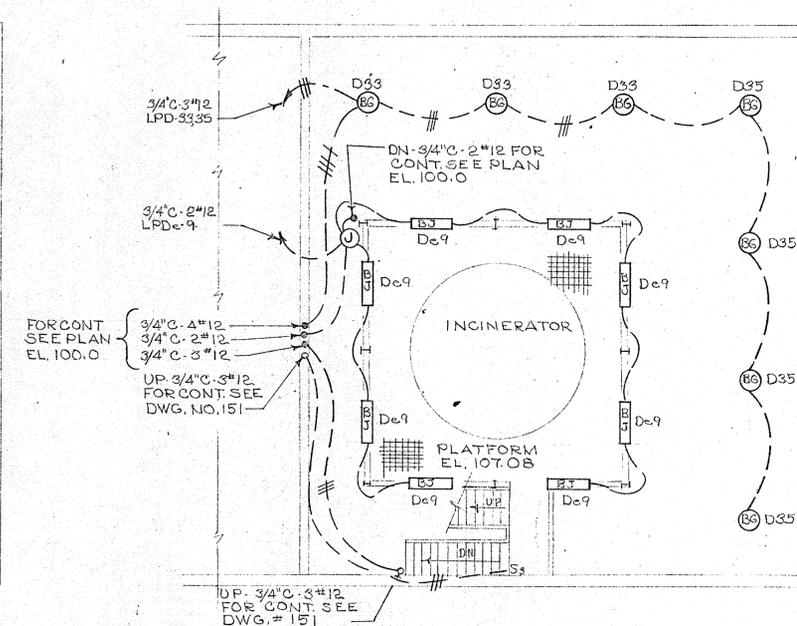
NOTES:

1. FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 135
2. LIGHTING PANEL "D" CIRCUIT NUMBERS 2,4,6,8 SHALL BE SWITCHED THROUGH SWITCHING RELAY LOCATED IN PANEL. RELAY SHALL BE CONTROLLED BY SWITCHES 33R RATED @ 20 AMPERES & SHALL BE MECHANICALLY HELD.

FOR CONT SEE PLAN EL. 107.08



ALTERNATE LIGHTING PLAN - ELEVATION 100.0



ALTERNATE LIGHTING PLAN - ELEVATION 107.08

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: R. SCOTTO DESIGNED: G. G. ACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
 SYSTEM OF SEWERS
 CONTRACT NO. 2

SLUDGE DEWATERING INCINERATION BUILDING
 ELECTRICAL

LIGHTING PLANS - ELEVATIONS 100.0 & 107.08

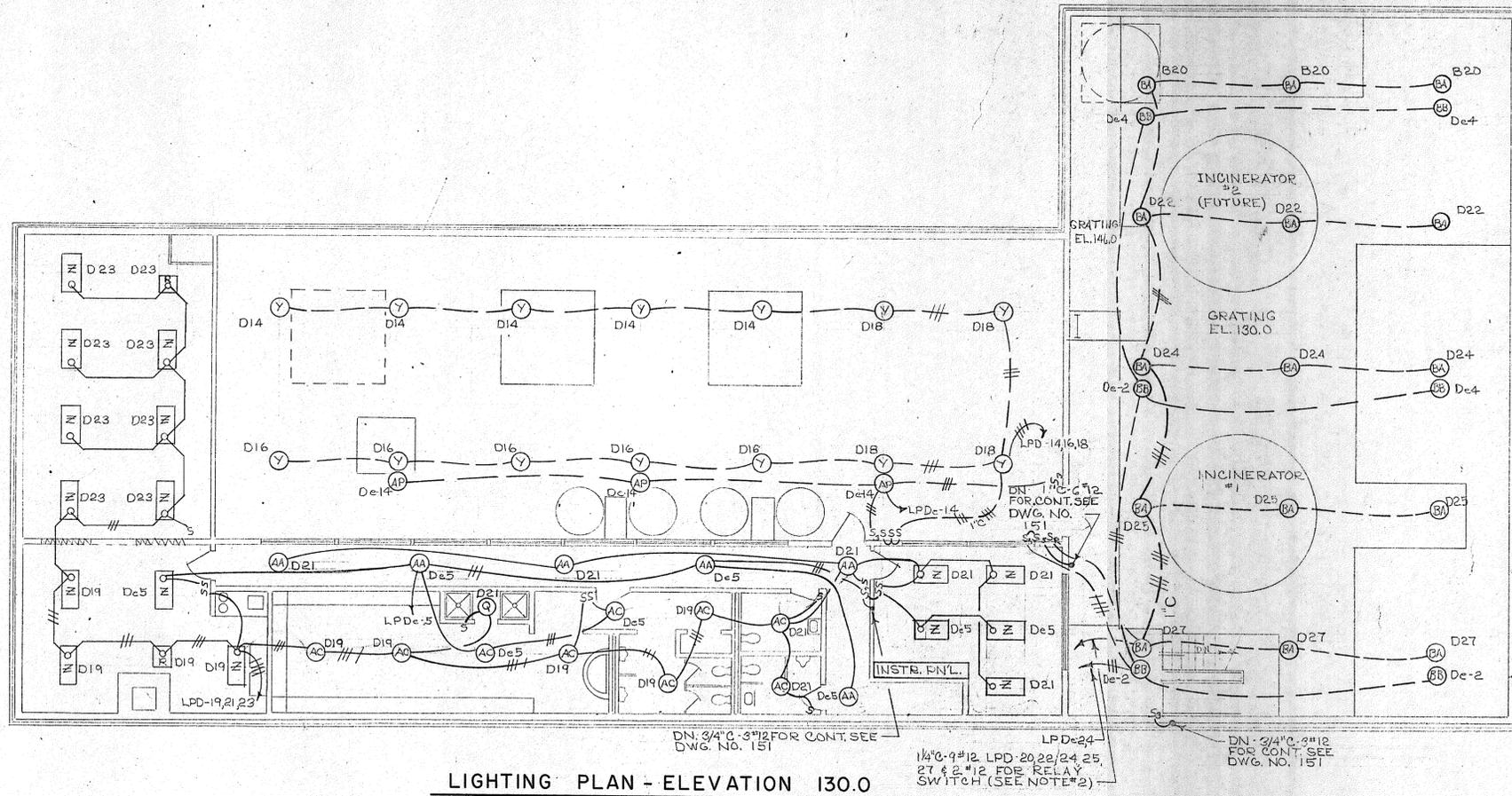
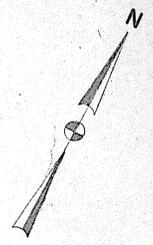
SCALE

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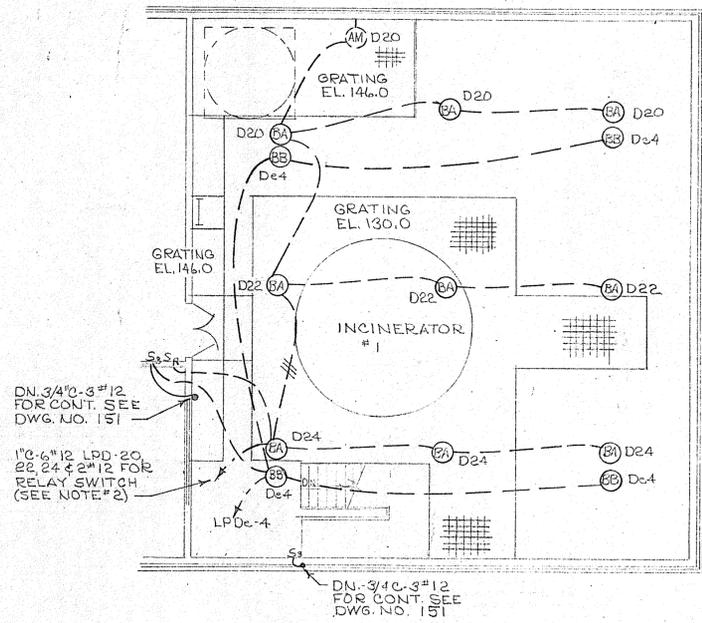
C.A.M. NO. 1165

DRAWING NO.

150



LIGHTING PLAN - ELEVATION 130.0



ALTERNATE LIGHTING PLAN - ELEVATION 130.0

PANELBOARD LPDe
120/208 VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL
100 AMP. MAIN LUGS ONLY
LOCATION: INCINERATOR BUILDING
MOUNTING: M.C.C.#2

CIRCUIT NO.	POLES	BR'K'R	FRAME	AMTRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS	
								AØ	BØ	CØ			
1	1	20			BOILER & PUMP ROOM LTG.		1.800	10.0			12		
2	1	20			INCINERATOR LTG. EL. 130.0		.900	7.5			12	ALTERNATE-SPARE BRK	
3	1	20			LTG. EL. 114.5		1.600		13.33		12		
4	1	20			INCINERATOR LTG. EL. 130.0		.900	7.5			12	ALTERNATE 1.800 KW	
5	1	20			LTG. EL. 130'-0"		1.442			12.0	12		
6	1	20			INCINERATOR LTG. EL. 123.25		1.350			11.25	12	ALTERNATE .650 KW	
7	1	20			INCINERATOR LTG. EL. 114.5 & 123.25		1.472	12.26			12		
8	1	20			RECEPT. 4 EL. 100.0		.900	7.5			12		
9	1	20			INCINERATOR LTG. EL. 101.08		1.380		11.5		12	ALTERNATE 1.472 KW	
10	1	20			CONTROL ROOM RECEPT. (3)		.540	4.5			12		
11	1	20			INCINERATOR LTG. EL. 107.08		.600			5.0	12	ALTERNATE-SPARE BREAKER	
12	1	20			T.C. COMP DRYER		.600			5.0	12		
13	1	20			GALLERY LIGHTING		.800	6.66			12		
14	1	20			FILTER ROOM LIGHTING		.900	7.5			12		
15	1	20			SPARE						12		
16	1	20			SPARE						12		
17	1	20			SPARE						12		
18	1	20			SPARE						12		
19	1	20			SPARE						12		
20	1	20			SPARE						12		
21	1	20			SPARE						12		
22	1	20			INCINERATOR CONTROL PNL		2.878	10.0	10.0	10.0	12		
TOTALS							17.468	61.42	96.83	43.25			
ALTERNATE TOTALS							15.660	53.92	50.0	32.42			

PANELBOARD LPD
120/208 VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL
225 AMP. MAIN LUGS ONLY
LOCATION: INCINERATOR BUILDING
MOUNTING: M.C.C.#2

CIRCUIT NO.	POLES	BR'K'R	FRAME	AMTRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS	
								AØ	BØ	CØ			
1	1	20			BOILER ROOM LTG.		.720	6.0			12		
2	1	20			PUMP ROOM LTG.		1.425	11.87			12	SEE NOTE # 2	
3	1	20			BOILER ROOM LTG.		1.140	9.5			12		
4	1	20			PUMP ROOM LTG.		1.425	11.87			12	SEE NOTE # 2	
5	1	20			BOILER ROOM LTG.		1.140	9.5			12		
6	1	20			PUMP ROOM LTG.		1.425	11.87			12	SEE NOTE # 2	
7	1	20			THICKENING ROOM LTG.		1.140	9.5			12		
8	1	20			PUMP ROOM LTG.		1.140	9.5			12	SEE NOTE # 2	
9	1	20			THICKENING ROOM LTG.		1.140	9.5			12		
10	1	20			CHEMICAL STORAGE LTG.		.855	7.1			12		
11	1	20			THICKENING ROOM LTG.		1.140	9.5			12		
12	1	20			CHEMICAL STORAGE LTG.		.855	7.1			12		
13	1	20			PASSAGE LTG. EL. 114.5		1.400	11.66			12		
14	1	20			FILTER ROOM LTG.		1.425	11.87			12		
15	1	20			SHOP LTG.		1.128	9.4			12		
16	1	20			FILTER ROOM LTG.		1.425	11.87			12		
17	1	20			SPARE						12		
18	1	20			FILTER ROOM LTG.		1.140	9.5			12		
19	1	20			KITCHEN & LOCKER ROOM LTG.		1.550	12.8			12		
20	1	20			INCINERATOR LTG. EL. 130.0		1.374	11.45			12	ALTERNATE-1.500 KW	
21	1	20			OFFICE, CORRIDOR & MISC. LTG.		1.520	12.7			12		
22	1	20			INCINERATOR LTG. EL. 130.0		1.374	11.45			12		
23	1	20			CONFERENCE ROOM LTG.		1.134	9.45			12		
TOTALS							51.402	117.5	116.49	12.17			
ALTERNATE TOTALS							32.220	92.82	97.63	77.90			

NOTES:

- FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
- LIGHTING PANEL "D" CIRCUIT NUMBERS AS INDICATED SHALL BE SWITCHED THROUGH SWITCHING RELAY LOCATED IN PANEL. RELAY SHALL BE CONTROLLED BY SWITCH "S" RATED @ 20 AMPERE & SHALL BE MECHANICALLY HELD.

PANELBOARD LPD (CONT.)

CIRCUIT NO.	POLES	BR'K'R	FRAME	AMTRIP	DESCRIPTION	H.P.	K.W.	AMP.			WIRE SIZE	REMARKS	
								AØ	BØ	CØ			
24	1	20			INCINERATOR LTG. EL. 130.0		1.374			11.45	12		
25	1	20			INCINERATOR LTG. EL. 130.0		1.374	11.45			12	ALTERNATE-SPARE BREAKER	
26	1	20			INCINERATOR LTG. EL. 123.25		1.140	9.5			12	ALTERNATE-.855 KW	
27	1	20			INCINERATOR LTG. EL. 130.0		1.374	11.45			12	ALTERNATE-SPARE-BREAKER	
28	1	20			INCINERATOR LTG. EL. 123.25		1.425	11.9			12	ALTERNATE-.855 KW	
29	1	20			SPARE						12		
30	1	20			INCINERATOR LTG. EL. 123.25		1.425	11.9			12	ALTERNATE-SPARE BREAKER	
31	1	20			INCINERATOR LTG. EL. 107.08		1.425	11.9			12	ALTERNATE-SPARE-BREAKER	
32	1	20			SPARE						12		
33	1	20			INCINERATOR LTG. EL. 107.08		1.425	11.9			12	ALTERNATE-.855 KW	
34	1	20			SPARE						12		
35	1	20			INCINERATOR LTG. EL. 107.08		1.425	11.9			12	ALTERNATE-1.140KW	
36	1	20			SPARE						12		
TOTALS							51.402	117.5	116.49	12.17			
ALTERNATE TOTALS							32.220	92.82	97.63	77.90			

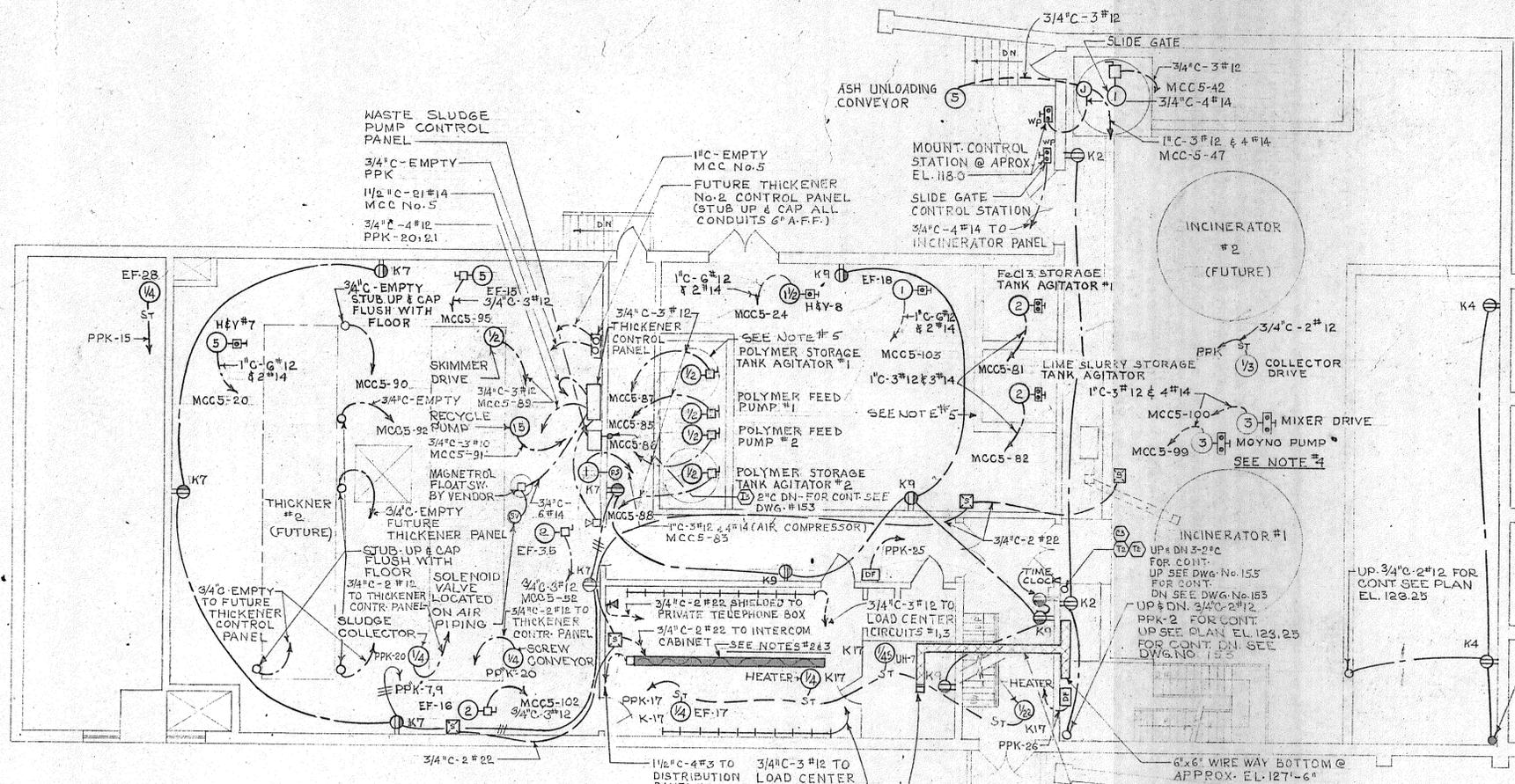
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: R. BURMAN DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

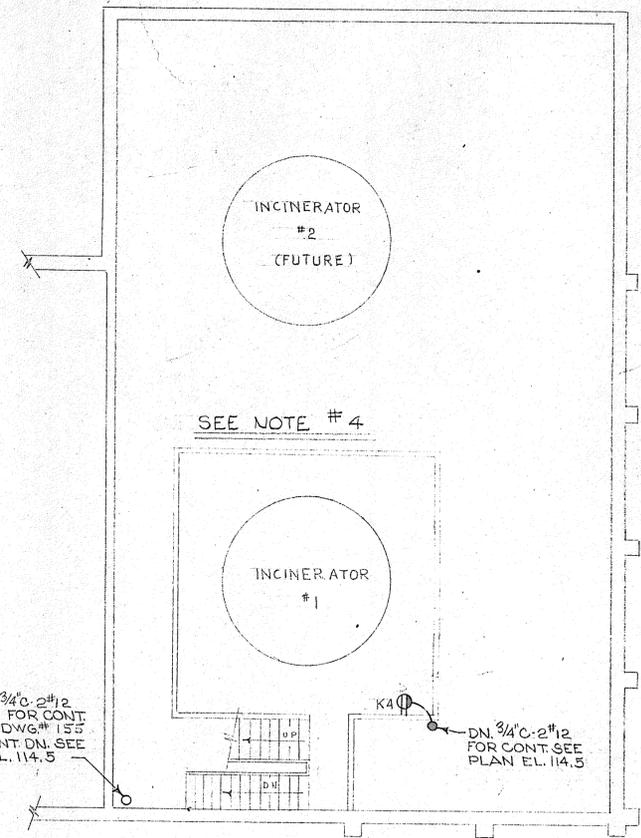
APPROVED
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 SLUDGE DEWATERING INCINERATION BUILDING
 ELECTRICAL
 LIGHTING PLANS ELEVATION-130.0

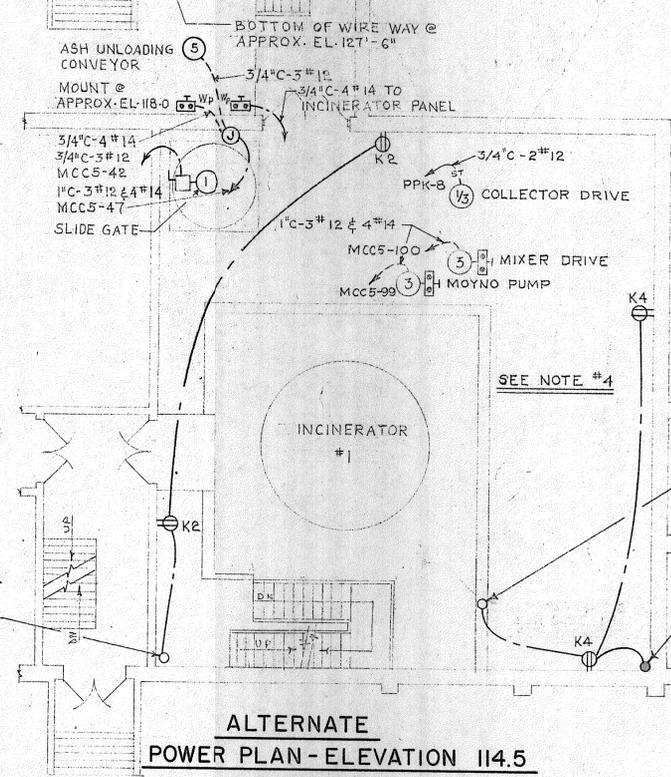
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 1/8" = 1'-0"
 C. A. M. NO. 1165
 DRAWING NO.
152



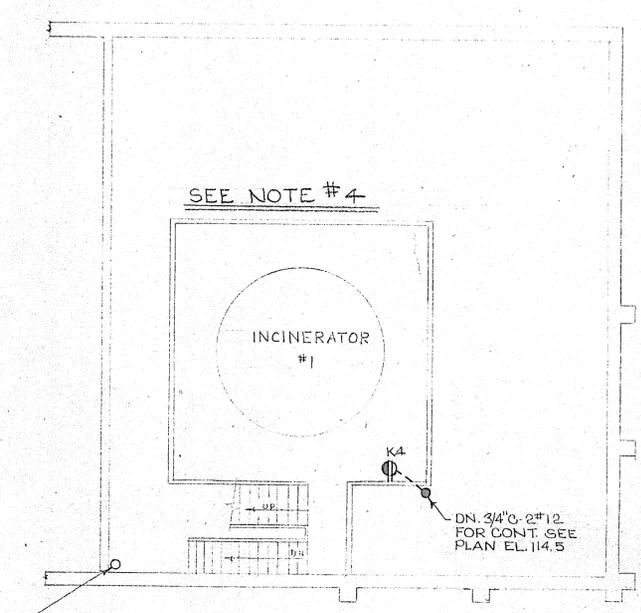
POWER PLAN - ELEVATION 114.5



POWER PLAN - ELEVATION 123.25



ALTERNATE POWER PLAN - ELEVATION 114.5



ALTERNATE POWER PLAN - ELEVATION 123.25

NOTES:

1. FOR GENERAL NOTES & LEGEND SEE DWG. NO. 133
2. PROVIDE THE FOLLOWING PLUG-IN CIRCUIT BREAKERS FOR THE PLUG-IN BUS DUCT
 - 2-15 AMPERE TYPE EB FRAME 3 POLE
 - 2-20 AMPERE TYPE EB FRAME 3 POLE
 - 1-30 AMPERE TYPE EB FRAME 3 POLE
 - 2-20 AMPERE TYPE EB FRAME 1 POLE
 - 1-100 AMPERE TYPE EB FRAME 3 POLE
3. PROVIDE ONE PLUG-IN LOAD CENTER WITH 12 BRANCH CIRCUITS.
4. ALL PUSHBUTTON STATIONS, RECEPTACLES AND DISCONNECT SWITCHES WITHIN THE INCINERATOR AREA SHALL BE NEMA V ENCLOSED
5. ALL CONDUIT WITHIN THE AREA OF THE MIXING TANKS SHALL BE PITTSBURGH STANDARD "BLASTI-BOND" OR APPROVED EQUAL

REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: H. ANDERSON DESIGNED: G. GACHOWSKI
 CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN
 DATE: AUGUST, 1970

CHARLES A. MAGUIRE & ASSOCIATES
 ENGINEERS

PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

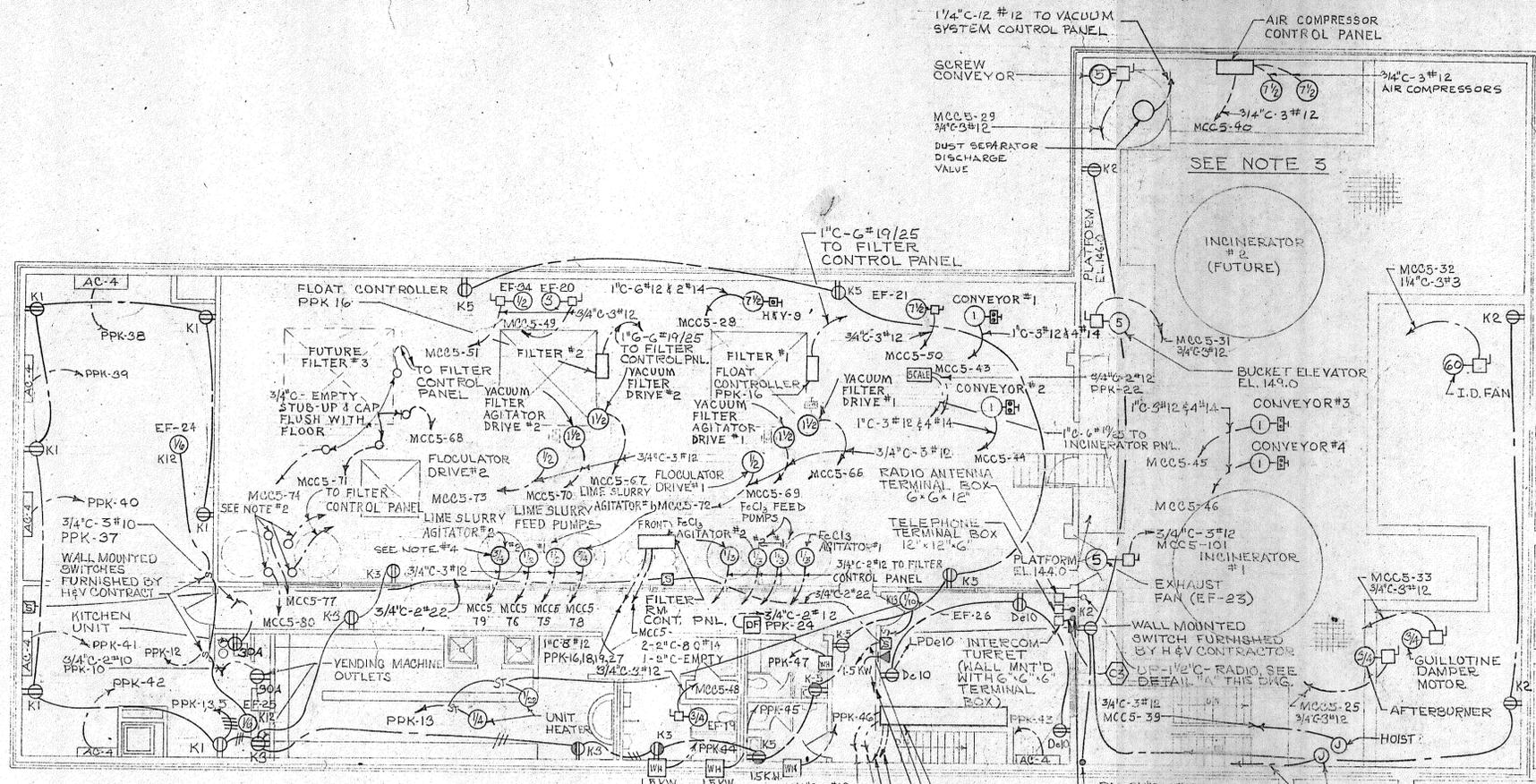
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
 CONTRACT NO. 2
 SLUDGE DEWATERING INCINERATION BUILDING
 ELECTRICAL

POWER PLANS - ELEVATIONS 114.5 & 121.25

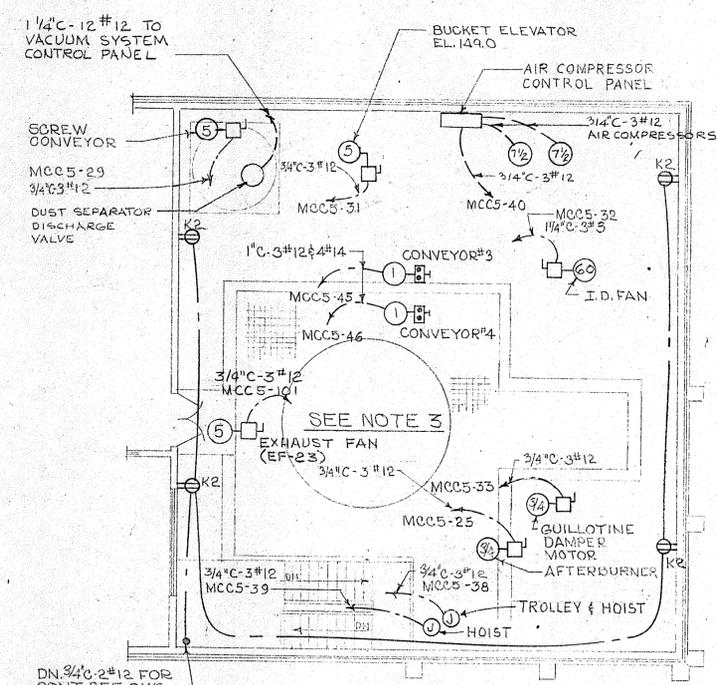
SCALE
 1/8" = 1'-0"

C. A. M. NO. 1165

DRAWING NO.
154



POWER PLAN - ELEVATION 130.0
SCALE: 1/8" = 1' - 0"

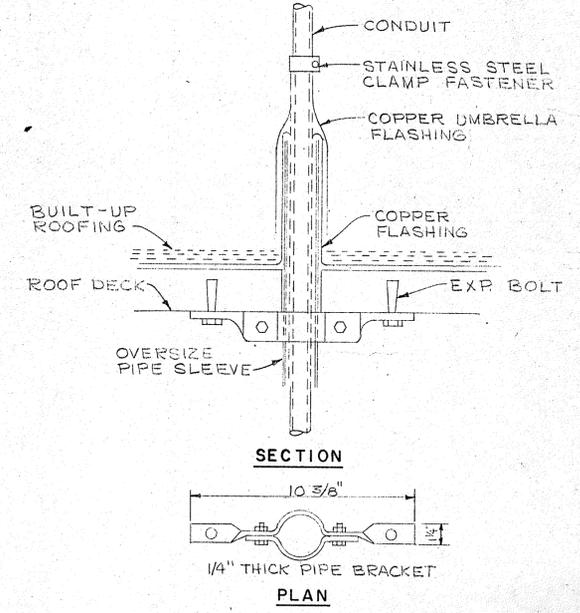


ALTERNATE POWER PLAN - ELEVATION 130.0
SCALE: 1/8" = 1' - 0"

- NOTES:**
- FOR GENERAL NOTES AND LEGEND SEE DWG. NO. 133
 - 3/4" C-EMPTY, STUB-UP & CAP FLUSH WITH FLOOR
 - ALL PUSHBUTTON STATIONS RECEIPTS, 2012 CONNECT SWITCHES WITHIN THE INCINERATOR AREA SHALL BE NEMA X ENCLOSED
 - ALL CONDUIT WITHIN THE AREA OF THE MIXING TANKS SHALL BE PITTSBURGH STANDARD "PLASTI-BOND" OR APPROVED EQUAL.

PANELBOARD PPK												
120/208 VOLT - 3 PHASE - 4 WIRE - SOLID NEUTRAL												
225 AMP - MAIN LUGS ONLY												
LOCATION: INCINERATOR BUILDING												
MOUNTING: WALL MOUNTED - ELEV. 100.0												
CIRCUIT NO.	POLES	BR'K'R	FRAME	AMP TRIP	DESCRIPTION	H.P.	K.W.	AMP			WIRE SIZE	RE MARKS
								A Ø	B Ø	C Ø		
1	1	1	20	RECEPT. (6) EL. 130.0		1.080	9.0				12	
2	1	1	20	RECEPT. (6) INCINERATOR		1.080	9.0				12	
3	1	1	20	RECEPT. (5) EL. 130.0		.900	7.5				12	
4	1	1	20	RECEPT. (4) INCINERATOR		.720	6.0				12	
5	1	1	20	RECEPT. (6) EL. 130.0		1.080	9.0				12	
6	1	1	20	RECEPT. (4) INCINERATOR		.720	6.0				12	
7	1	Ø	20	RECEPT. (5) EL. 114.5		.900	7.5				12	
8	1	Ø	20	SCUM TANK COLLECTOR DRIVE	1/3	.72	7.2				12	
9	1	J	20	RECEPT. (5) EL. 114.5		.900	7.5				12	
10	1	J	30	VENDING MACHINE		2.500	20.8				10	
11	1	V	20	RECEPT. (5) EL. 100.0		.720	6.0				12	
12	1	Ø	20	EXHAUST FANS EF 24 & 25		1/6, 1/6				8.8	12	
13	1	Ø	20	UNIT HEATERS & EF 26		1/4, 1/4, 1/6	10.0				12	
14	1	J	20	UH-4 & UH-5		1/6, 1/6	8.8				12	
15	1	Ø	20	EXHAUST FANS EF 28 & 29		1/4, 1/4				11.6	12	
16	1	J	20	FLOAT CONTROLLERS		.600	5.0				12	
17	1	J	20	EF-17 & HEATERS		1/4, 1/4, 1/4, 1/4, 1/4, 1/4				14.0	12	
18	1	J	20	FeCl3 FEED PUMPS		1/3, 1/3				14.4	12	
19	1	J	20	FeCl3 AGITATORS		1/3, 1/3				14.4	12	
20	1	J	20	THICKENER MOTORS		1/4, 1/4				11.6	12	
21	1	J	20	THICKENER CONTROL PNL.		.480	4.0				12	
22	1	J	20	FILTER SCALE		.240	2.0				12	
23	1	J	20	CIRCULATION PUMP	1/8					3.0	12	
24	1	J	20	DRINKING FOUNTAIN	1/4					5.8	12	

PANELBOARD PPK (CONT.)												
CIRCUIT NO.	POLES	BR'K'R	FRAME	AMP TRIP	DESCRIPTION	H.P.	K.W.	AMP			WIRE SIZE	RE MARKS
								A Ø	B Ø	C Ø		
25	1	J	20	DRINKING FOUNTAIN	1/4		5.8				12	
26	1	J	20	DRINKING FOUNTAIN	1/4		5.8				12	
27	1	J	20	FeCl3 STORAGE & LIME PUMPS	1/4		11.6				12	
28	1	J	20	SPARE							12	
29	1	J	20	SPARE							12	
30	1	J	20	SPARE							12	
31	1	J	20	SPARE							12	
32	1	Ø	20	SPARE							12	
33	1	Ø	20	SPARE							12	
34	1	J	20	SPARE							12	
35	1	J	20	SPARE							12	
36	1	V	20	SPARE							12	
37	2	Ø	20	KITCHEN UNIT		3.000	18.0	18.0			12	
38	2	Ø	20	AC-4 CONF ROOM		2.230	13.4	13.4			12	
39	2	Ø	20	AC-4 CONF ROOM		2.230	13.4	13.4			12	
40	2	Ø	20	AC-4 CONF ROOM		2.230	13.4	13.4			12	
41	2	Ø	20	AC-4 LUNCH ROOM		2.230	13.4	13.4			12	
42	2	Ø	20	AC-4 LUNCH ROOM		2.230	13.4	13.4			12	
43	2	Ø	20	AC-4 CONTROL ROOM		2.230	13.4	13.4			12	
44	2	Ø	20	ELECTRIC HEATER		1.500	9.0	9.0			12	
45	2	Ø	20	ELECTRIC HEATER		1.500	9.0	9.0			12	
46	2	Ø	20	ELECTRIC HEATER		1.500	9.0	9.0			12	
47	2	Ø	20	ELECTRIC HEATER		1.500	9.0	9.0			12	
48	2	Ø	20	SPARE							12	
TOTALS:						5 1/2	34.300	178.7	174.0	476		



DETAIL "A"
CONDUIT SLEEVE THROUGH ROOF
NOT TO SCALE

DRAWN: H. ANDERSON DESIGNED: G. GACHOWSKI CHECKED: J. LITTLEJOHN APPROVED: J. LITTLEJOHN DATE: AUGUST, 1970				TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2 SLUDGE DEWATERING INCINERATION BUILDING ELECTRICAL				SCALE AS NOTED C.A.M. NO. 1165			
CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I. WETHERFIELD, CONN. BOSTON, MASS.				APPROVED				TOWN OF STRATFORD			
REVISION NUMBER		DESCRIPTION		INT. DATE		REVISION NUMBER		DESCRIPTION		INT. DATE	
POWER PLANS - ELEVATION 130.0						DRAWING NO. 155					