

**NOTES:**

- 1 REFER TO DWG. 65 FOR RELOCATION OF SANITARY VENTS AND ROOF DRAINS.
- 2 REFER TO DWG. 122 FOR LEGEND & GENERAL NOTES.
- 3 THE CONTRACTOR SHALL REMOVE, REROUTE, RELOCATE, AND PLUG EXISTING PIPING, VALVES, DUCTS, FITTINGS & EQUIPMENT IN CONTROL BUILDING NOT BEING UTILIZED IN NEW ARRANGEMENT AS DIRECTED IN FIELD. ALL EXISTING PIPING SHALL BE CAPPED AND PLUGGED BELOW FLOOR AND BEHIND WALLS. ALL OPENINGS SHALL BE GROUTED AND FILLED WITH CONCRETE OR PLASTER OR GLAZED TILE AS DIRECTED.
- 4 FOR ARCHITECTURAL AND EQUIPMENT DETAILS SEE DWGS. 84 & 85.

**FIRST FLOOR PLAN**  
(WASTE & VENT)

**PARTIAL PLAN OF BASEMENT**  
(WATER, GAS AIR & VACUUM)

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



DRAWN: F. E. MCKNIGHT    DESIGNED: B. W. RYLAH  
 CHECKED: D. C. RAICHE    APPROVED: T. L. CARVOUNIS  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.

APPROVED

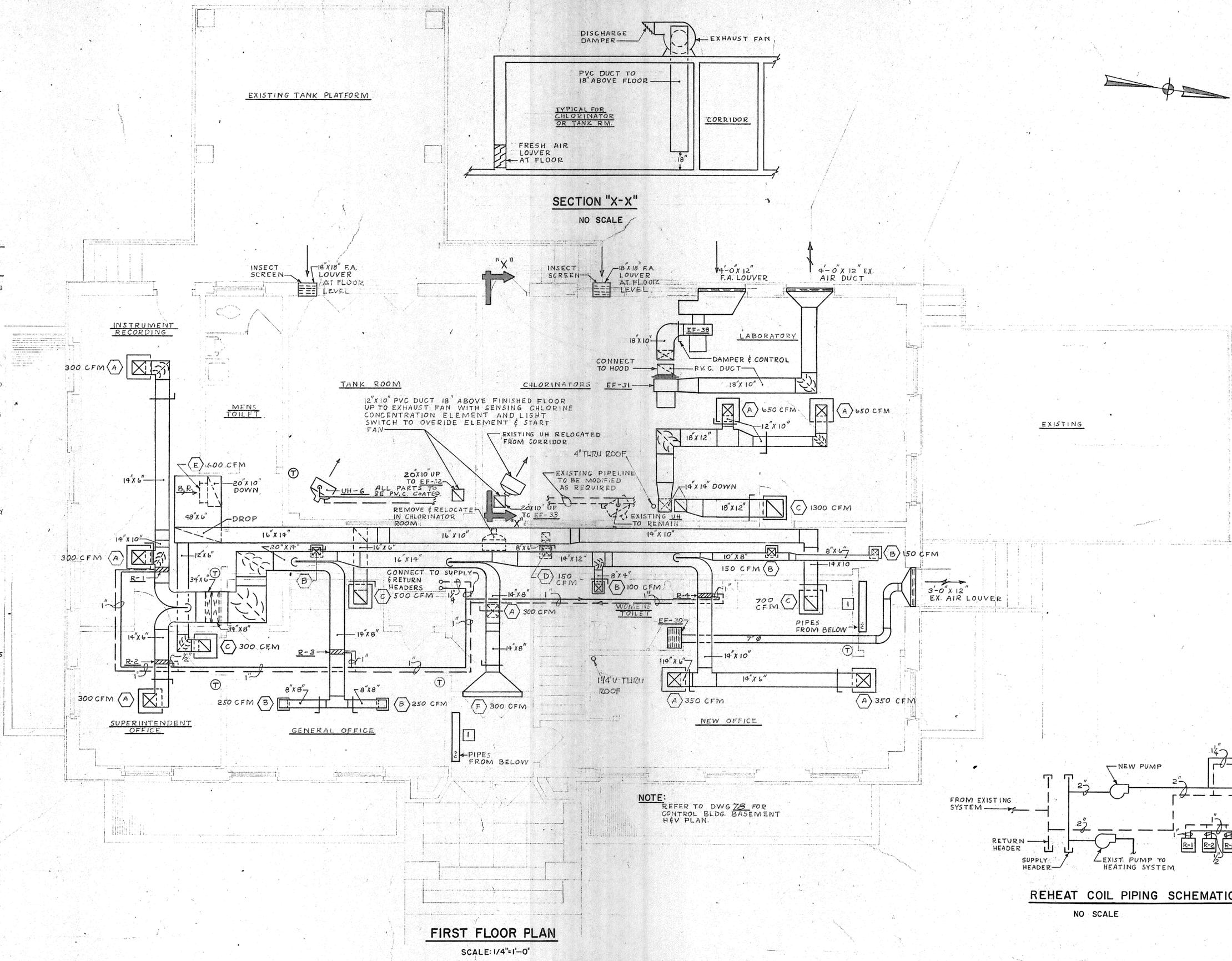
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 CONTROL BUILDING ALTERATIONS  
**PLUMBING PLAN**

SCALE  
 1/8" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
**89**

**GENERAL NOTES:**

1. FOR BLOWER BLDG. DUCTWORK LAYOUT SEE DWG. 73
2. FOR RAW SEWAGE BLDG. MECH. EQUIP LAYOUT AND SCHEDULES SEE DWG. 36
3. FOR ENLARGED MECH. ROOM PLAN & SECTIONS SEE DWG. 126
4. FOR INCINERATION BLDG. ELEV. 100.0 AND ALTERNATE PLAN ELEV. 130.0 MECH. EQUIP LAYOUT SEE DWG. 125
5. FOR INCINERATION BLDG. EL. 114.5 & ELEV. 130.0 MECH. EQUIP LAYOUT SEE DWG. 127
6. FOR SITE PLAN - STEAM PIPING LAYOUT & DETAILS SEE DWG. 50
7. FOR DETAILS SEE DWG. 51
8. FOR DETAILS SEE DWG. 53
9. FOR DETAILS AND SCHEDULES SEE DWG. 52
10. ALL TAKEOFFS FROM MAINS TO RADIATORS, UNIT VENTS, CABINET AND UNIT HEATERS SHALL BE OF THE SWING JOINT TYPE. SEE DWG. 51
11. CONTRACTOR TO INSTALL VOLUME DAMPERS ON ALL DUCT BRANCHES. DAMPERS TO BE OF THE OPPOSED BLADE TYPE. NO OTHER KIND WILL BE ACCEPTABLE.
12. CONTRACTOR TO INSTALL ON ALL RETURN RADIATION PIPES, BALANCING COCKS OF THE POSITIVE SHUTOFF TYPE.
13. INSTALL FIRE DAMPERS WITH FUSEABLE LINK AT ALL PENETRATIONS THROUGH FIRE WALLS AND FUSED TO 140°F.
14. PROVIDE ACCESS PANELS FOR ALL CONCEALED VALVES, VENTS, DRAINS AND ALL OTHER MECH. EQUIP.
15. FINAL LOCATION OF ALL REGISTERS, GRILLES AND DIFFUSERS TO BE COORDINATED WITH THE REFLECTED CEILING AND LIGHTING PLANS BEFORE INSTALLATION.
16. ALL DUCTS, PIPING AND FINAL LOCATION OF REHEAT COILS TO BE COORDINATED WITH OTHER TRADES BEFORE INSTALLATION.
17. INSTALL DEFLECTING VANES ON ALL SQUARE TAKEOFFS AND TURNING VANES ON ALL SQUARE ELBOWS.
18. ALL PIPING AND REHEAT COILS TO BE PROPERLY SUPPORTED FROM STRUCTURE.
19. FIRE DAMPERS SHALL BE PROVIDED WHERE DUCT PENETRATES EACH FLOOR & FIREWALL. APPROVED ACCESS DOOR IN DUCT SHALL BE PROVIDED AT EACH FIRE DAMPER.
20. ALL VENTS & PRESSURE RELIEFS THRU ROOF TO BE MAX. 24" HIGH ABOVE ROOF.
21. USE ONE PIECE GALVANIZED PIPE WHEREVER POSSIBLE FOR EXPOSED FLOOR TO FLOOR PIPING RISERS.
22. CONTRACTOR TO REVISE, RELOCATE OR REROUTE ANY EXISTING PIPING, VALVES, EQUIPMENT ETC. AS REQUIRED OR DIRECTED.
23. ALL PENETRATIONS THROUGH WALLS FLOORS ETC. INTO EXPLOSION HAZARDOUS AREAS ARE TO BE CAULKED PERMANENTLY GAS TIGHT. FOR ADDITIONAL INFORMATION SEE APPLICABLE PARAGRAPHS IN SPECIFICATIONS.
24. ALL PIPING PENETRATIONS THROUGH PIPE GALLERIES SHALL BE WATER AND GAS TIGHT.
25. ALL CONDUIT AND FITTINGS FOR TEMPERATURE CONTROLS IN CHLORINATOR ROOM, TANK ROOM AND CHEMICAL STORAGE ROOM SHALL BE P.V.C. COATED. THERMOSTATS IN THESE AREAS SHALL BE CORROSION PROOF.
26. TEMPERATURE CONTROLS, PUMP CONTROLS ETC. IN PIPE GALLERIES SHALL BE WATER PROOF. ALL MOTORS SHALL BE TOTALLY ENCLOSED.



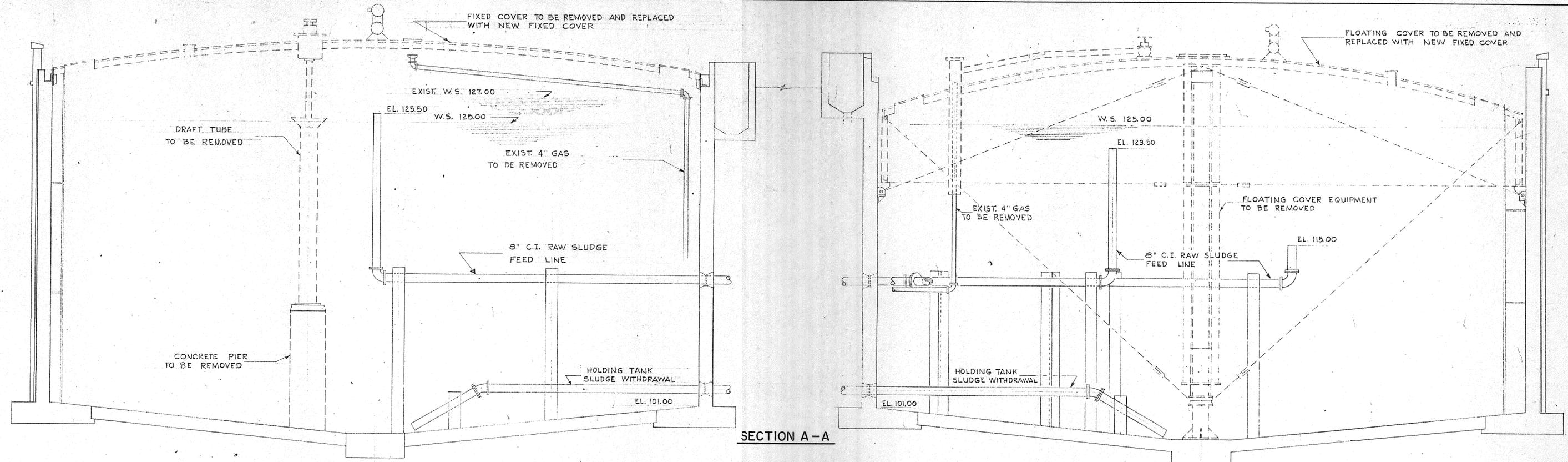
**FIRST FLOOR PLAN**  
SCALE: 1/4"=1'-0"

**REHEAT COIL PIPING SCHEMATIC**  
NO SCALE

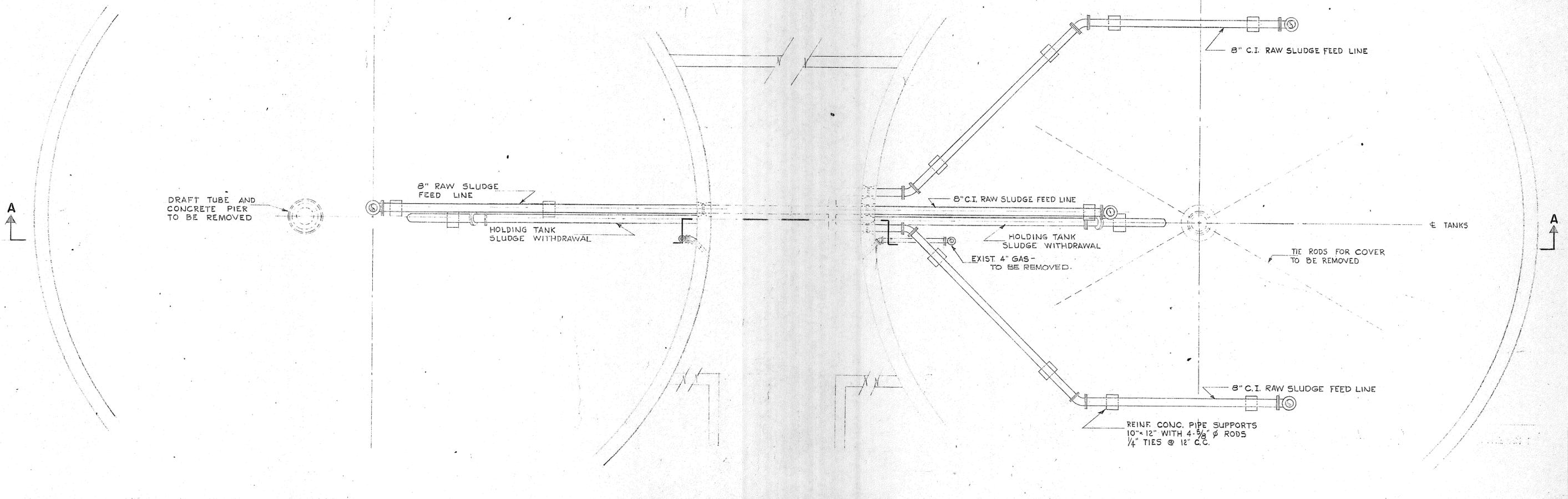
NOTE:  
REFER TO DWG 73 FOR  
CONTROL BLDG. BASEMENT  
HEV PLAN.

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

DRAWN: G. PETROCELLI CHECKED: D.C. RAICHE DATE:	DESIGNED: G.M. PETROCELLI APPROVED: T.L. CARVOUNIS DATE:	TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2 CONTROL BUILDING ALTERATIONS HEATING AND VENTILATING	SCALE AS NOTED
CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.			APPROVED



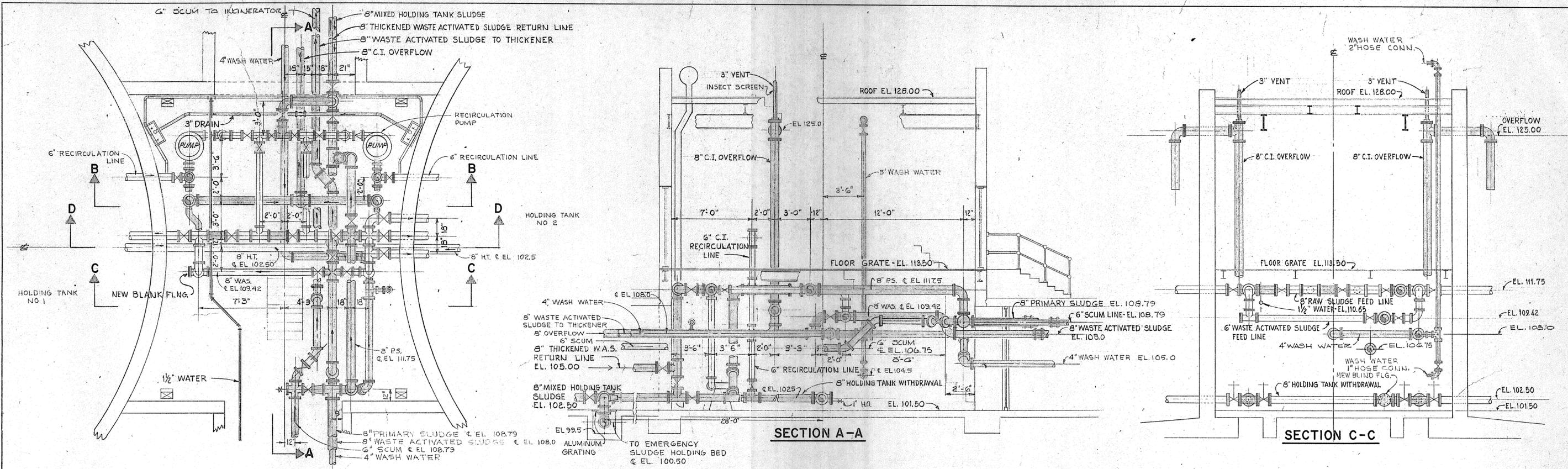
SECTION A - A



DRAWN: D. WEISENBURGER		DESIGNED: H. CAMPBELL		TOWN OF STRATFORD, CONNECTICUT		SCALE	
CHECKED: H. CAMPBELL		APPROVED: P. T. CARVER		SYSTEM OF SEWERS		1/4" = 1'-0"	
DATE: AUGUST, 1970				CONTRACT NO. 2		C. A. M. NO. 1165	
CHARLES A. MAGUIRE & ASSOCIATES		APPROVED		MODIFIED SLUDGE HOLDING TANK		DRAWING NO.	
ENGINEERS		TOWN OF STRATFORD		EQUIPMENT AND PIPING		91	
PROVIDENCE, R.I.				PLAN - SECTION			
WETHERSFIELD, CONN.							
BOSTON, MASS.							

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

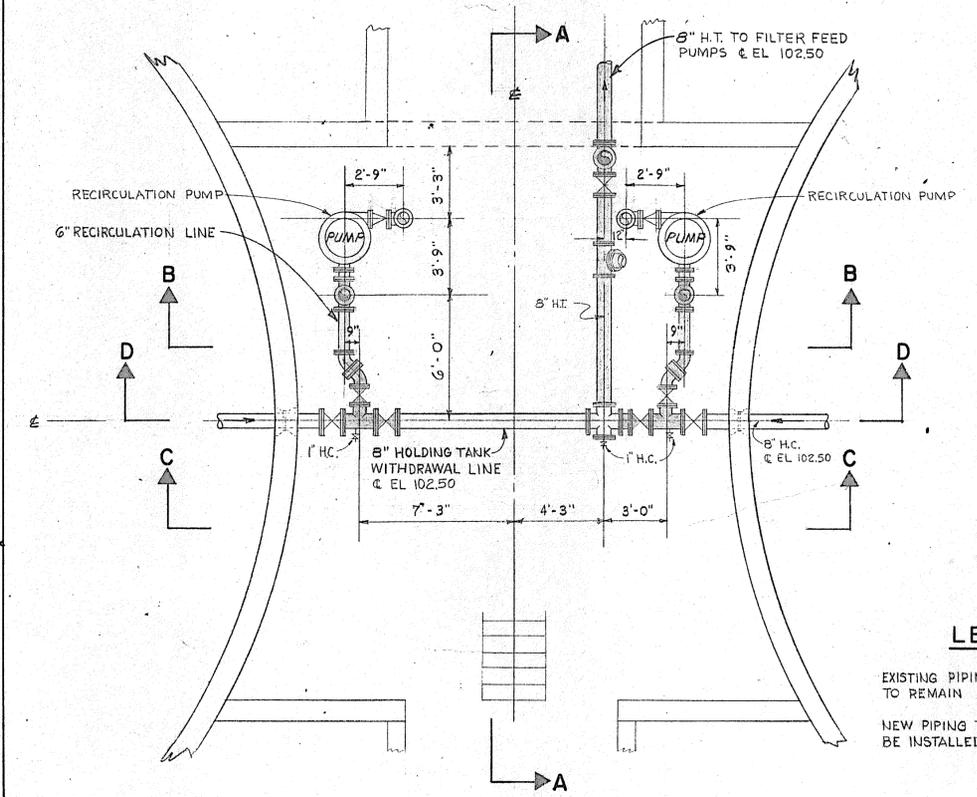




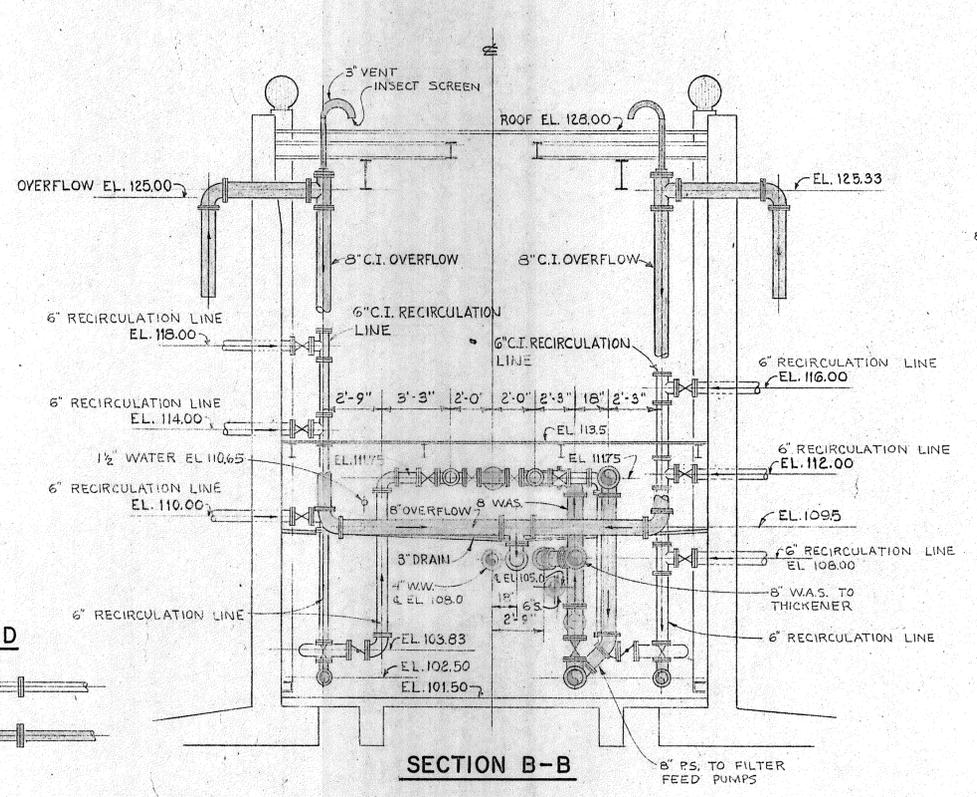
PLAN AT EL. 113.0

SECTION A-A

SECTION C-C



PLAN AT EL. 104.5



SECTION B-B

SECTION D-D

**LEGEND**

- EXISTING PIPING TO REMAIN
- NEW PIPING TO BE INSTALLED

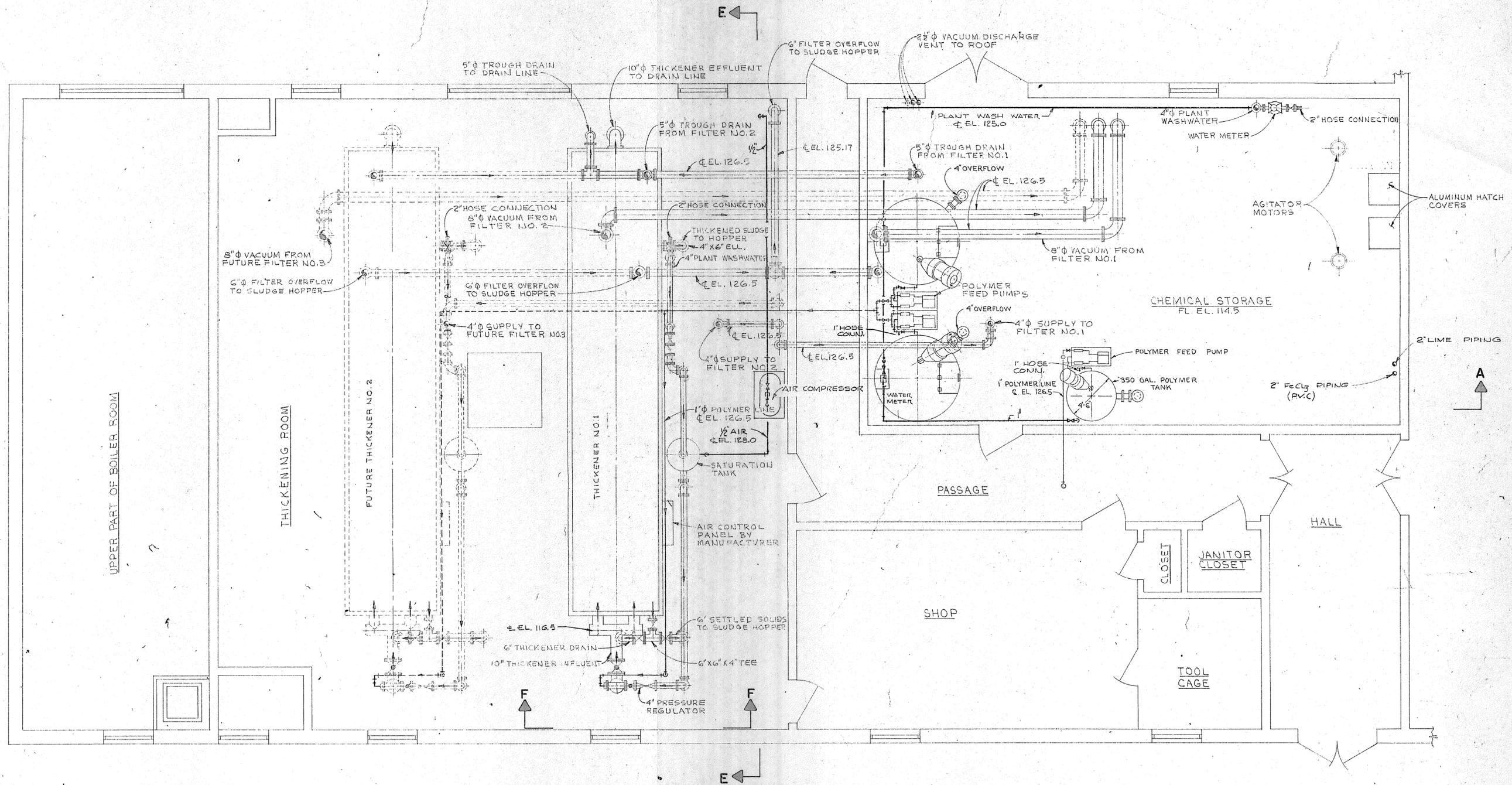
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

	DRAWN: D. WEISENBURGER    DESIGNED: H. CAMPBELL CHECKED: H. CAMPBELL    APPROVED: P. T. CARVER DATE: AUGUST, 1970	APPROVED TOWN OF STRATFORD	TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2	SCALE 1/4" = 1'-0" C. A. M. NO. 1165
	CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.		MODIFIED SLUDGE HOLDING TANK EQUIPMENT AND PIPING PLAN - SECTION	DRAWING NO. <b>92</b>









PLAN AT ELEVATION 127.5

- NOTES:**
1. FOR SECTION "A-A" SEE DWG. NO. 97.
  2. FOR SECTION "E-E" AND "F-F" SEE DWG. NO. 99.
  3. FOR CHEMICAL FEED SCHEMATIC SEE DWG. NO. 99.

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



DRAWN: J.Y. PION      DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970

**CHARLES A. MAGUIRE & ASSOCIATES**  
**ENGINEERS**

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

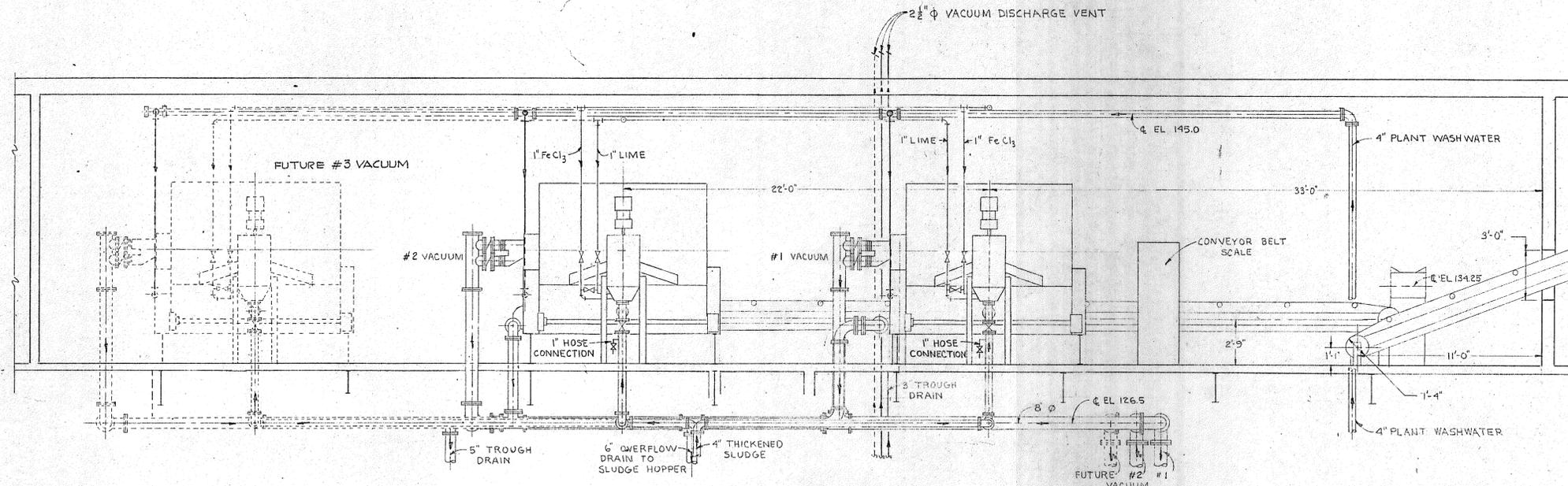
APPROVED

TOWN OF STRATFORD

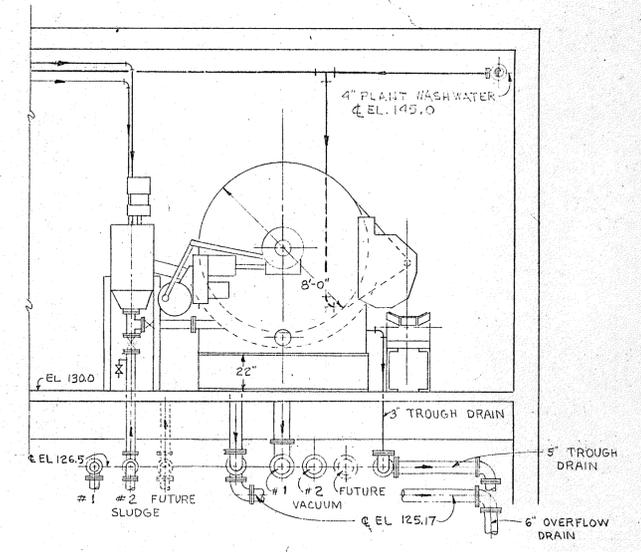
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
**EQUIPMENT AND PIPING**  
 PLAN

SCALE  
 1/4" = 1'-0"  
 C.A.M. NO. 1165  
 DRAWING NO.  
**96**

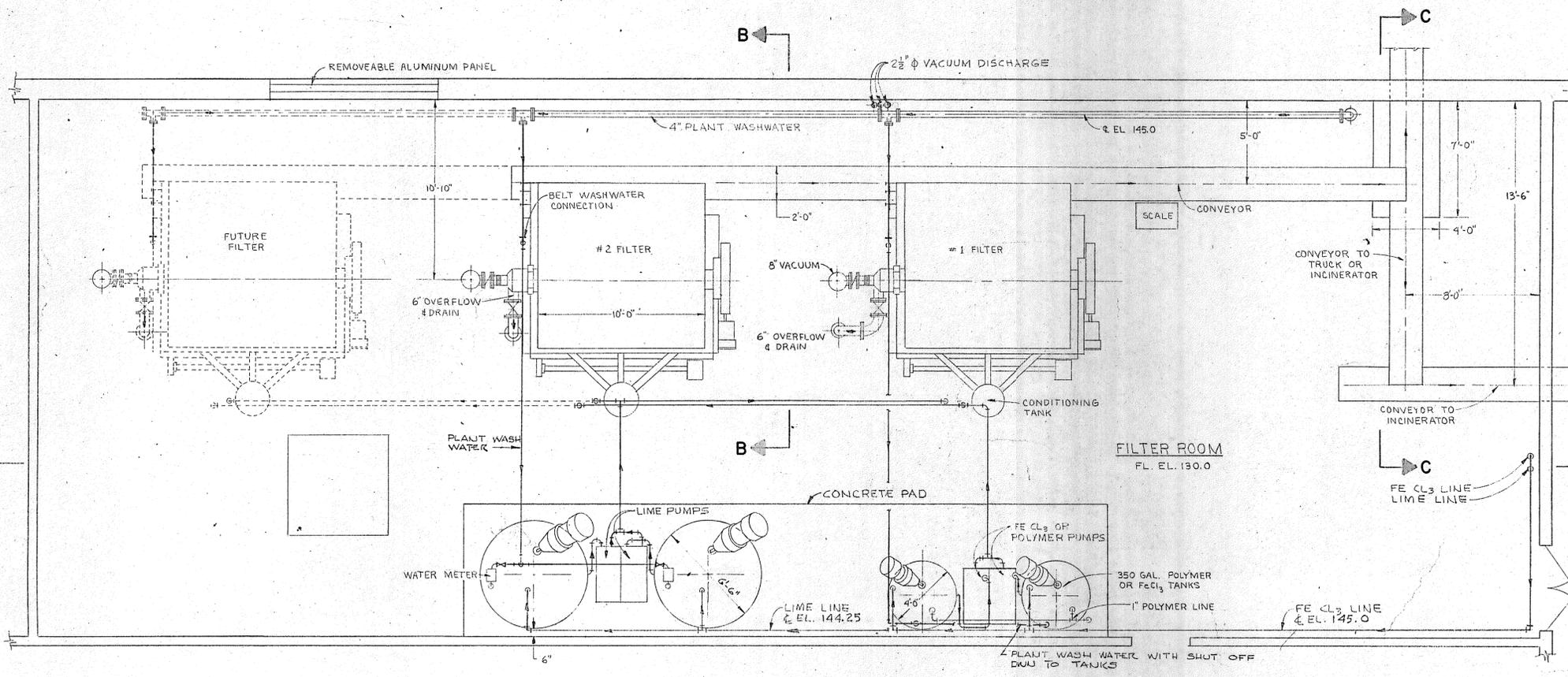




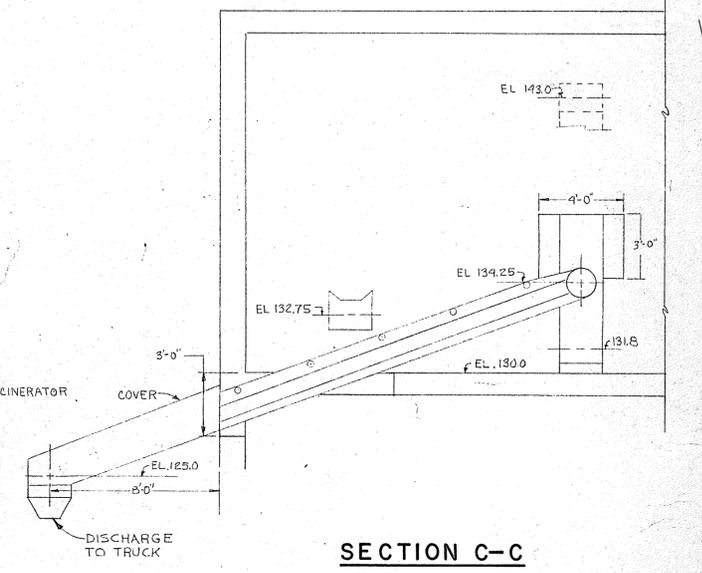
**SECTION A-A**



**SECTION B-B**



**PLAN AT ELEVATION 145.0**



**SECTION C-C**

**NOTE:**  
FOR REFERENCE SEE  
DWG. NOS. 95, 96, 97, AND 99.

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

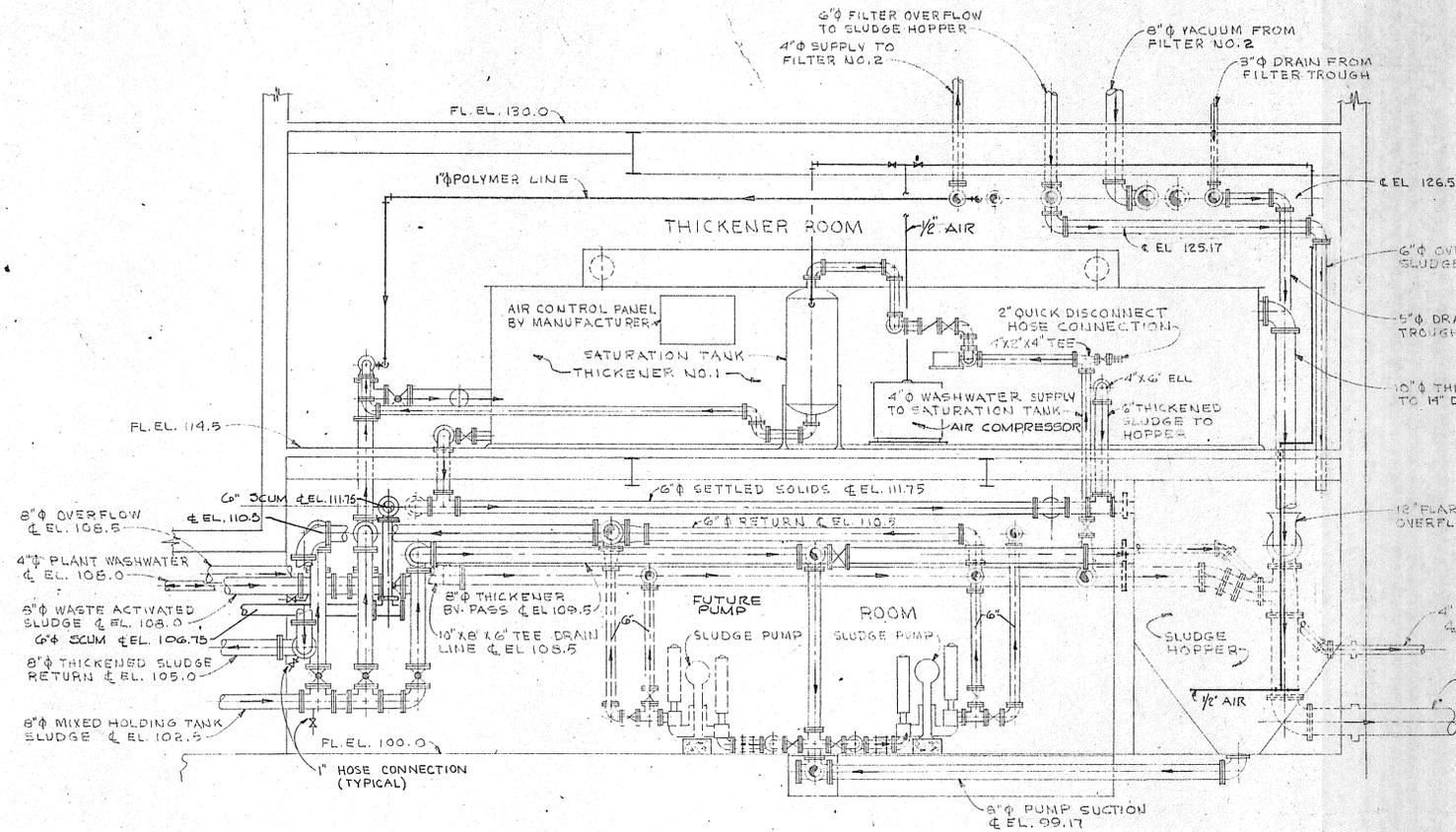


DRAWN: P. ZAWADZKI      DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
**ENGINEERS**  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

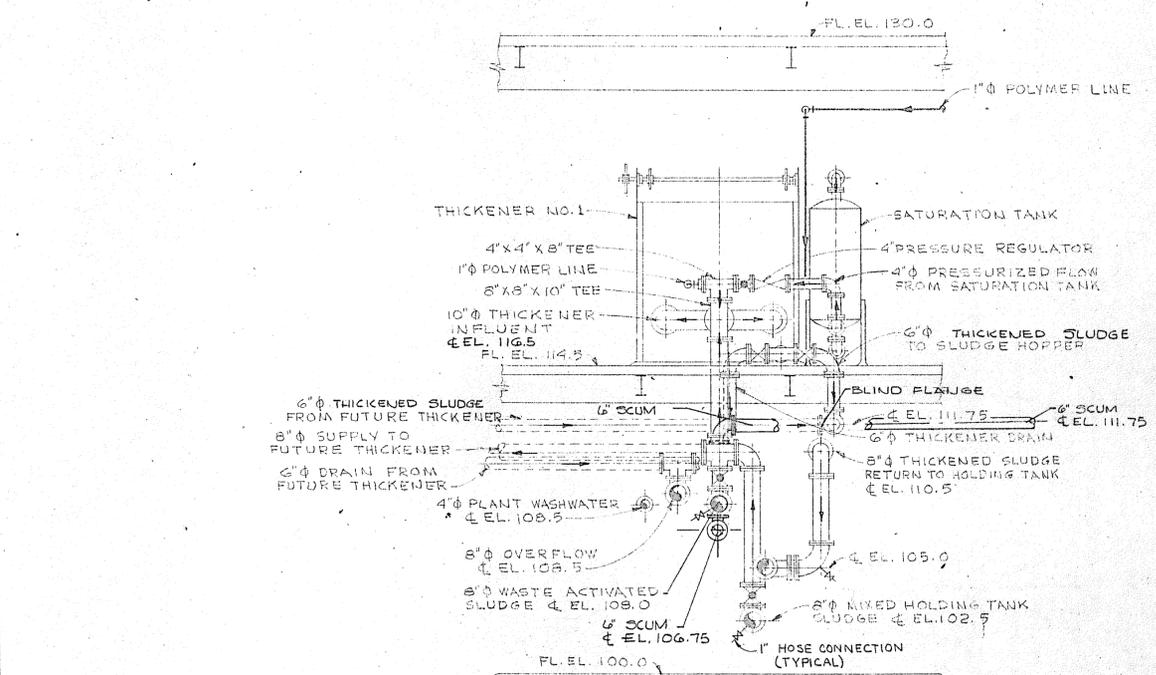
APPROVED \_\_\_\_\_  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
**SLUDGE DEWATERING-INCINERATION BUILDING**  
**EQUIPMENT AND PIPING**  
**PLAN-SECTIONS**

SCALE  
 1/4" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
**98**

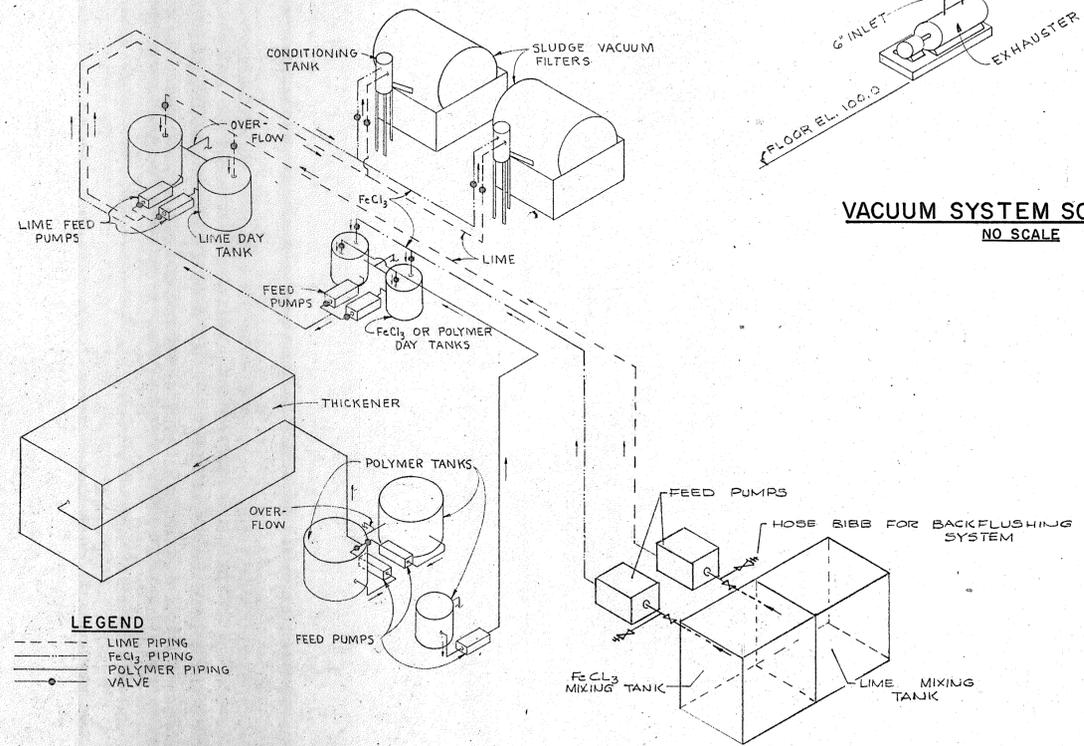


**SECTION E-E**

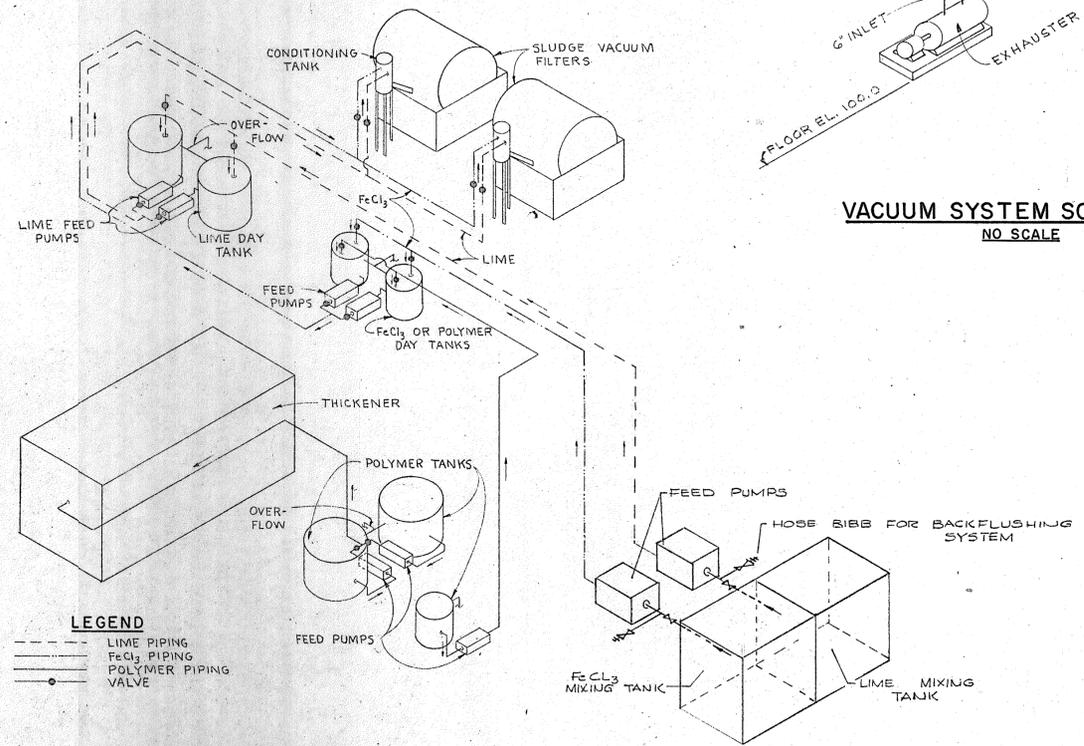


**SECTION F-F**

**NOTE:**  
FOR REFERENCE SEE  
DNG No. 95, 96, 97 AND 98.



**VACUUM SYSTEM SCHEMATIC**  
NO SCALE



**CHEMICAL FEED SCHEMATIC**  
NO SCALE

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

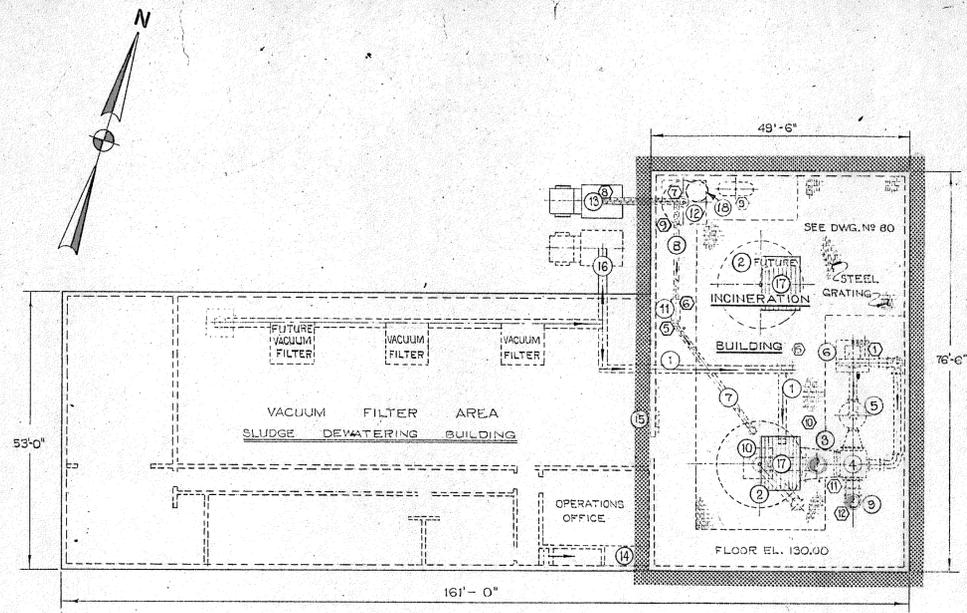


DRAWN: J.Y. PION      DESIGNED: H. CAMPBELL  
 CHECKED: H. CAMPBELL      APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED  
 TOWN OF STRATFORD

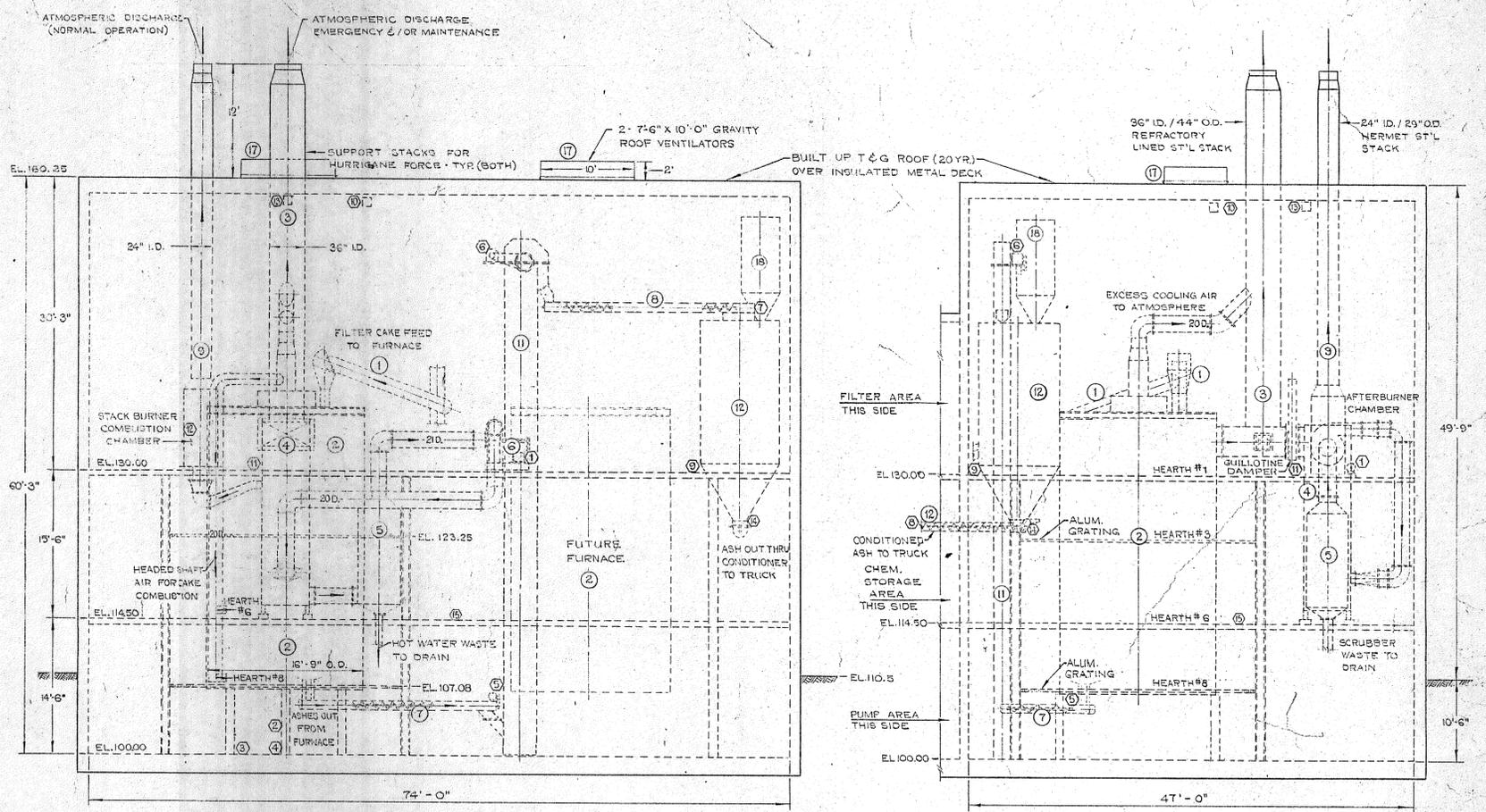
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
**EQUIPMENT AND PIPING**  
 SCHEMATIC AND SECTIONS

SCALE  
 1/4" = 1'-0"  
 C.A.M. NO. 1165  
 DRAWING NO.  
**99**



**PLAN - INCINERATION SYSTEM**  
SCALE: 1/16" = 1'-0"

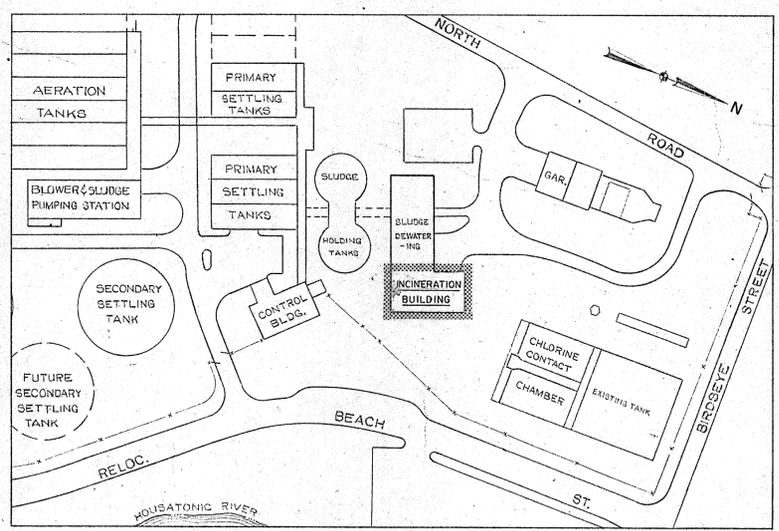
- LEGEND** (SEE ALTERNATE PLAN ALSO)
- ① INCLINED BELT CONVEYOR FOR CAKE FEED TO FURNACE
  - ② 16'-9" O.D. 8-HEARTH MULTIPLE HEARTH FURNACE WITH NATURAL GAS/OIL AUXILIARY FUEL
  - ③ EMERGENCY MAINTENANCE BY-PASS TO ATMOSPHERE FOR THE GAS EFFLUENT SYSTEM
  - ④ RECUPERATOR HEAT EXCHANGER
  - ⑤ SCRUBBER & SUB-COOLER
  - ⑥ I.D. FAN - 5" MOTOR DRIVEN ASSEMBLY
  - ⑦ SCREW CONVEYOR - FURNACE TO BUCKET ELEV.
  - ⑧ SCREW CONVEYOR - BUCKET ELEV. TO ASH HOPPER
  - ⑨ SYSTEM STACK WITH AUTOMATIC PROPORTIONAL GAS AFTER BURNER
  - ⑩ FURNACE AIR BY-PASS STACK
  - ⑪ ASH REMOVAL BUCKET ELEVATOR
  - ⑫ ASH STORAGE HOPPER & TRUCK UNLOADING WITH ASH CONDITIONER
  - ⑬ CLOSED ASH TRUCK
  - ⑭ CONTROL PANEL
  - ⑮ COMBUSTION INDICATING/CONTROL METERS
  - ⑯ EMERGENCY CONVEYOR BELT DISCHARGE FOR FILTER CAKE
  - ⑰ GRAVITY VENTILATORS
  - ⑱ DUST SEPARATOR



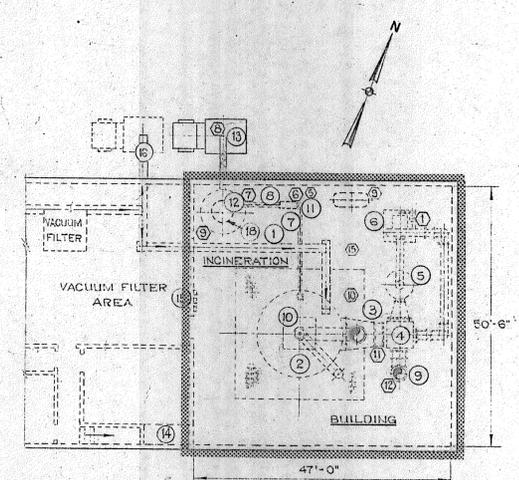
**EAST ELEVATION**  
SCALE: 1/8" = 1'-0"

**SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"

**NOTE:** SEE "PLAN LEGEND" FOR EQUIPMENT IDENTIFICATION



**SITE LOCATION**  
SCALE: 1" = 100'



**ALTERNATE PLAN - INCINERATION SYSTEM**  
SCALE: 1/16" = 1'-0"

ELECTRIC MOTORS & LOCATIONS					
NO.	LOCATION	H.P.	CHARACTERISTICS	SPEED	TYPE
①	I.D. FAN	60.0	480/3/60	1800 RPM	TEFC
②	FURNACE CENTER SHAFT DRIVE	7.5	480/3/60	1800 RPM	TEFC
③	TURBO-BLOWER FOR AUXILIARY FURNACE BURNER	7.5	480/3/60	3500 RPM	TEFC
④	COOLING AIR FAN	7.5	480/3/60	1800 RPM	TEFC
⑤	SCREW CONVEYOR FROM FURNACE TO BUCKET ELEVATOR	5.0	480/3/60	1800 RPM	TEFC
⑥	BUCKET ELEVATOR - ASH REMOVAL	5.0	480/3/60	1800 RPM	TEFC
⑦	SCREW CONVEYOR FROM BUCKET ELEVATOR TO ASH HOPPER	5.0	480/3/60	1800 RPM	TEFC
⑧	SCREW CONVEYOR FROM HOPPER TO TRUCK	5.0	480/3/60	1800 RPM	TEFC
⑨	AIR COMPRESSOR	2@7.5-15	480/3/60	1800 RPM	TEFC
⑩	3-TON ELECTRIC TROLLEY HOIST	1.0	480/3/60	1800 RPM	TEFC
⑪	GUILLotine DAMPER	0.75	480/3/60	1800 RPM	TEFC
⑫	GAS AFTER BURNER FAN	0.75	480/3/60	1800 RPM	TEFC
⑬	1-TON ELECTRIC HOIST	1.50	480/3/60	1800 RPM	TEFC
⑭	ASH HOPPER SLIDE DAMPER	1	480/3/60	1800 RPM	TEFC
⑮	SCUM PUMP	3	480/3/60		TEFC

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

DRAWN: C. BERGDEN      DESIGNED: L. C. MANDELL  
 CHECKED: L. C. MANDELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970

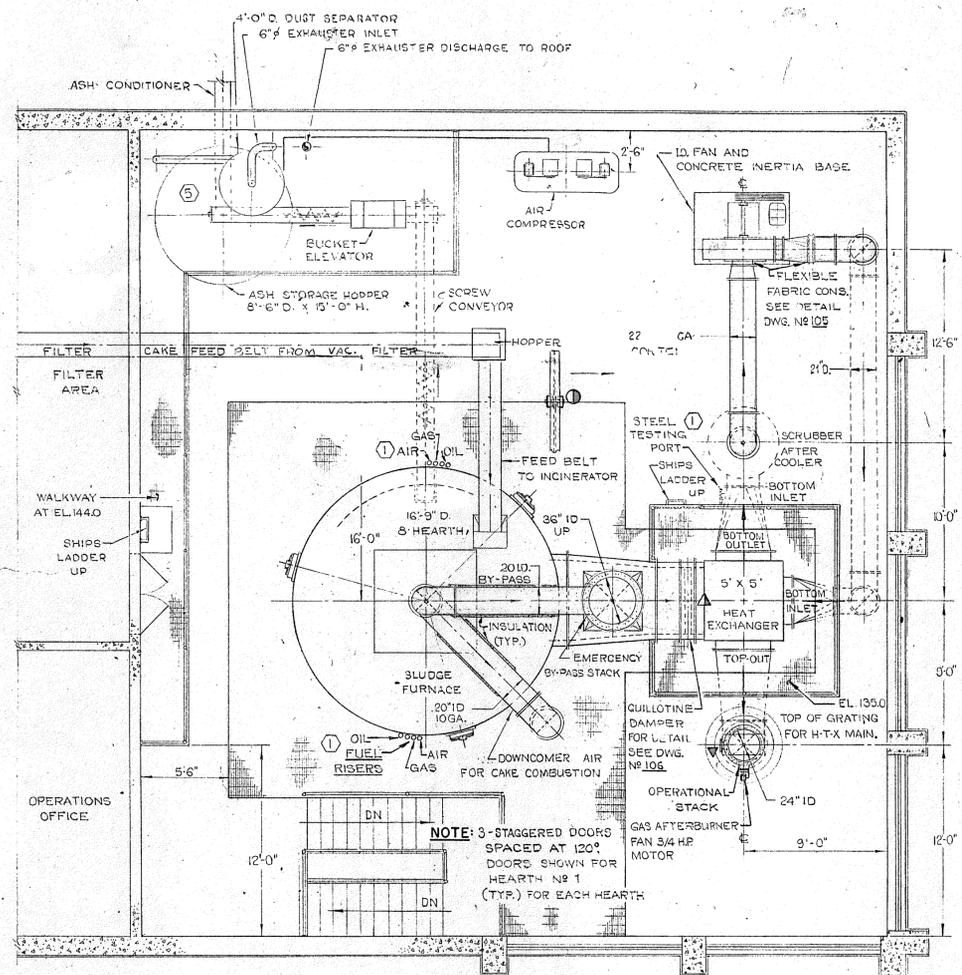
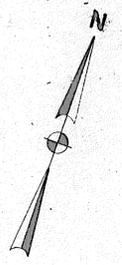
**CHARLES A. MAGUIRE & ASSOCIATES**  
**ENGINEERS**  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED \_\_\_\_\_  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
**INCINERATOR GENERAL LAYOUT SECTIONS**

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. **100**

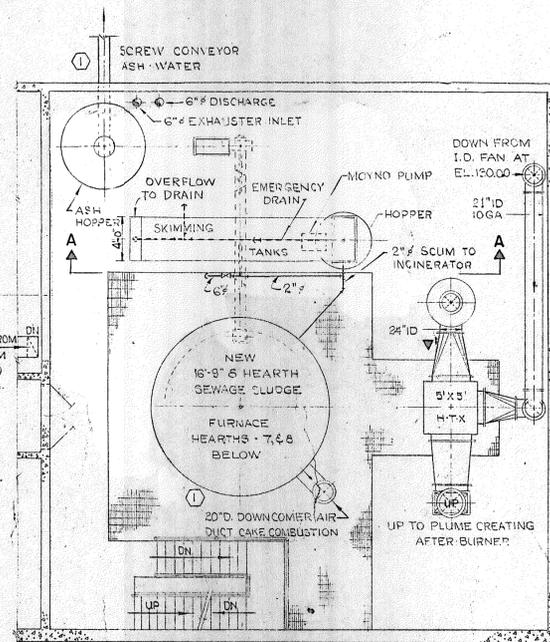




**ALT. MAIN PLAN AT ELEVATION 130.0**  
SCALE 3/16"=1'-0"

▲ ELECTRIC 1-TON HOIST FOR RAISING & LOWERING HEAT EXCHANGER RECUPERATOR TOP COVER

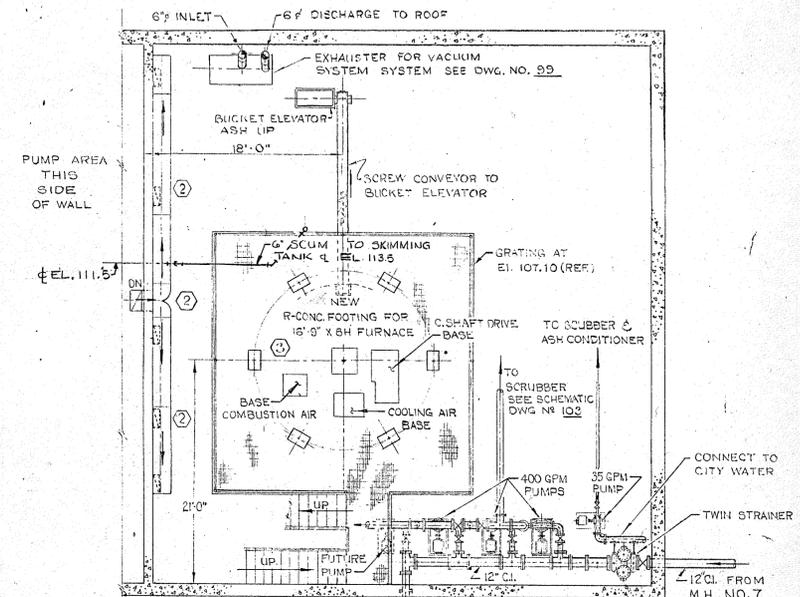
① A 3-TON ELECTRIC TROLLEY HOIST 1-H.P. MOTOR FOR RABBLE ARM / FURNACE MAINTENANCE



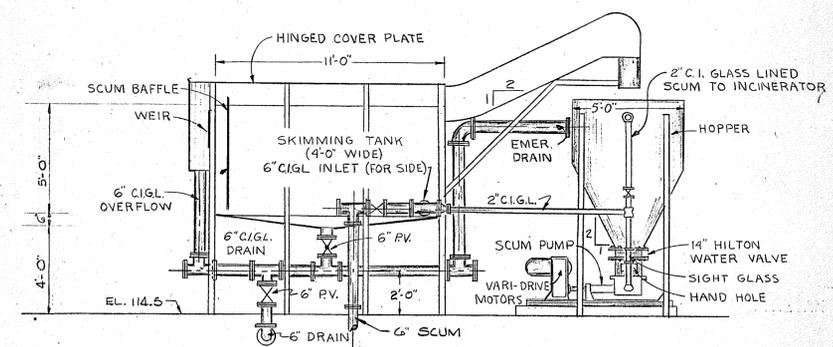
**ALT. PLAN AT ELEVATION 114.5**  
SCALE 1/8"=1'-0"

**NOTE:**

- ① SEE DWG. NO. 103 FOR ALL BURNERS (FUEL, OIL & AIR) & SCRUBBER MANIFOLD, (AFTER COOLER) & ASH CONDITIONER PIPING SYSTEMS.
- ② APPROXIMATELY 2500 CFM OF THICKENER ROOM EXHAUST AIR INTO INCINERATOR BUILDING AT EL. 114.50 LEVEL. SEE HEATING & VENTILATING DRAWING FOR DUCT WORK DETAILS.
- ③ REFER TO FURNACE MFGRS. DWGS. FOR SPECIFIC DETAILS REINFORCED CONCRETE FOOTINGS / BASES FOR FURNACE. SHAFT DRIVE & BURNER & CAKE AIR BLOWER / MOTOR ASSEMBLY.
- ④ SEE DWG. NO. 100 FOR LOCATION & SITE PERSPECTIVE.
- ⑤ SEE DWG. NO. 99 FOR VACUUM SYSTEM SCHEMATIC.



**ALT. PLAN AT ELEVATION 100.0**  
SCALE 1/8"=1'-0"



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

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



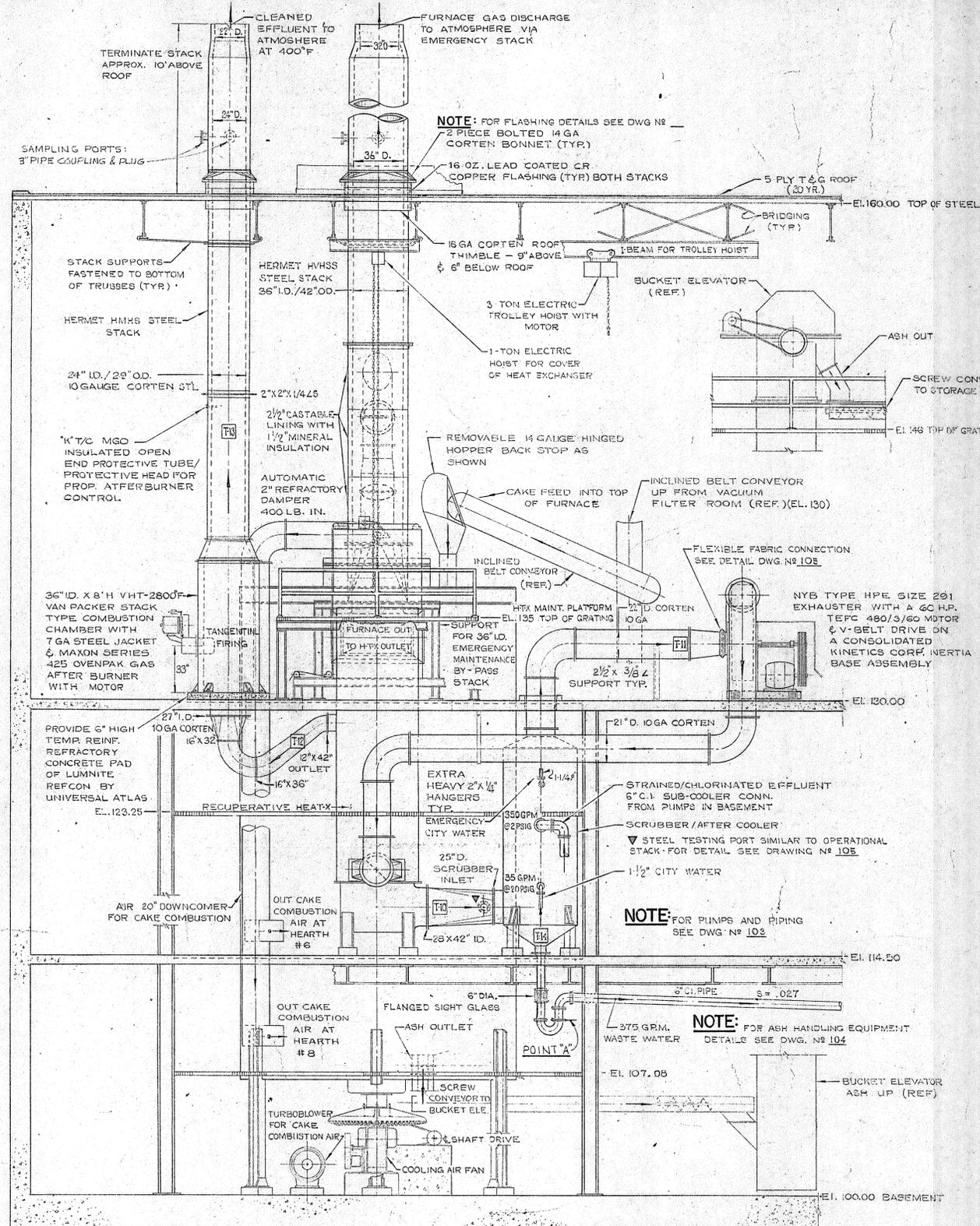
DRAWN: C. BERGDEN      DESIGNED: L. C. MANDELL  
 CHECKED: L. C. MANDELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

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TOWN OF STRATFORD

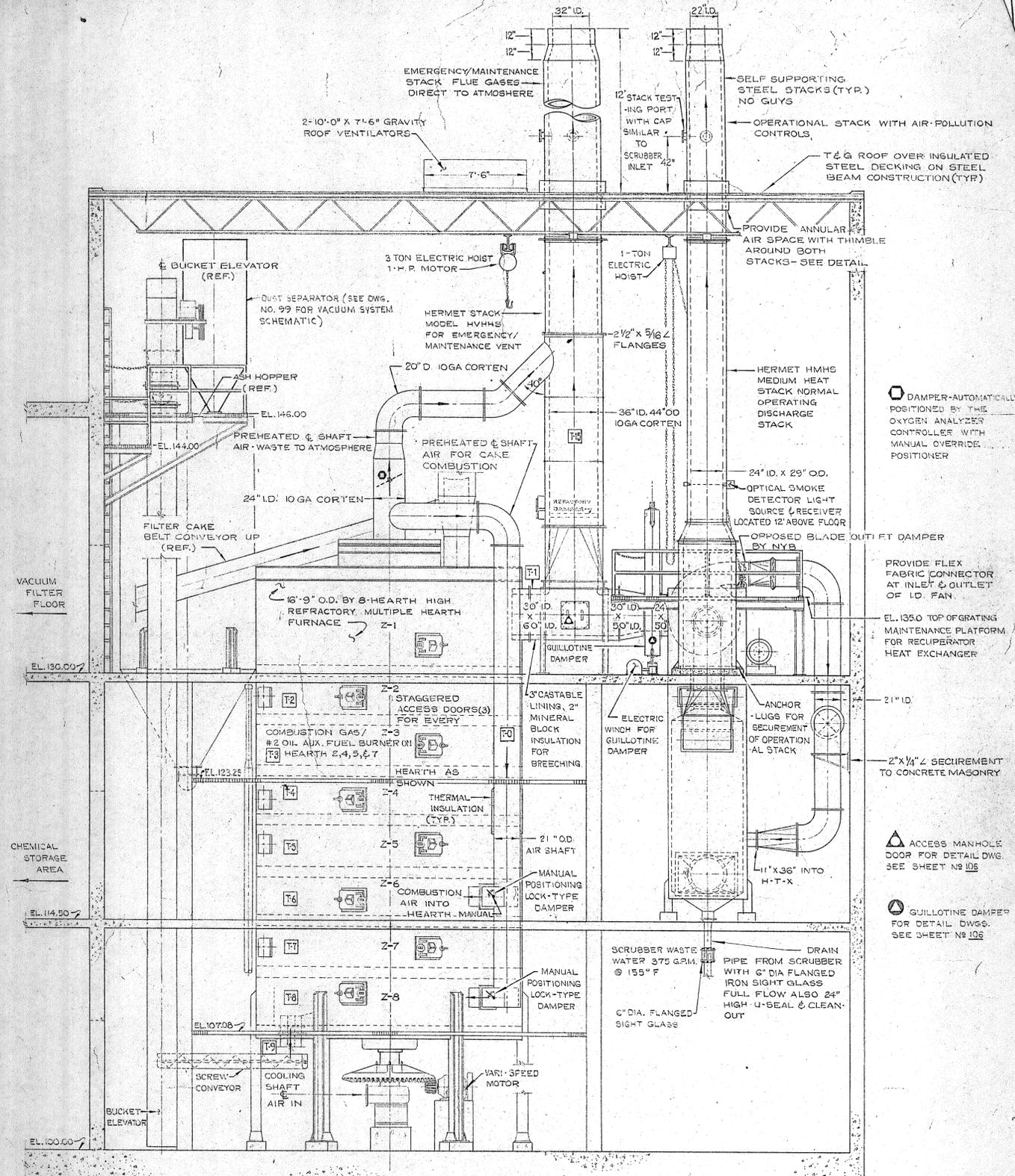
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING INCINERATION BUILDING  
**FURNACE-AIR POLLUTION CONTROL**  
 ALTERNATE PLANS

SCALE  
 AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO.  
**101-A**



**EAST ELEVATION**

**NOTE:** FROM POINT 'A', PIPING TO BE FURNISHED BY GENERAL CONTRACTOR.



**SOUTH ELEVATION**

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

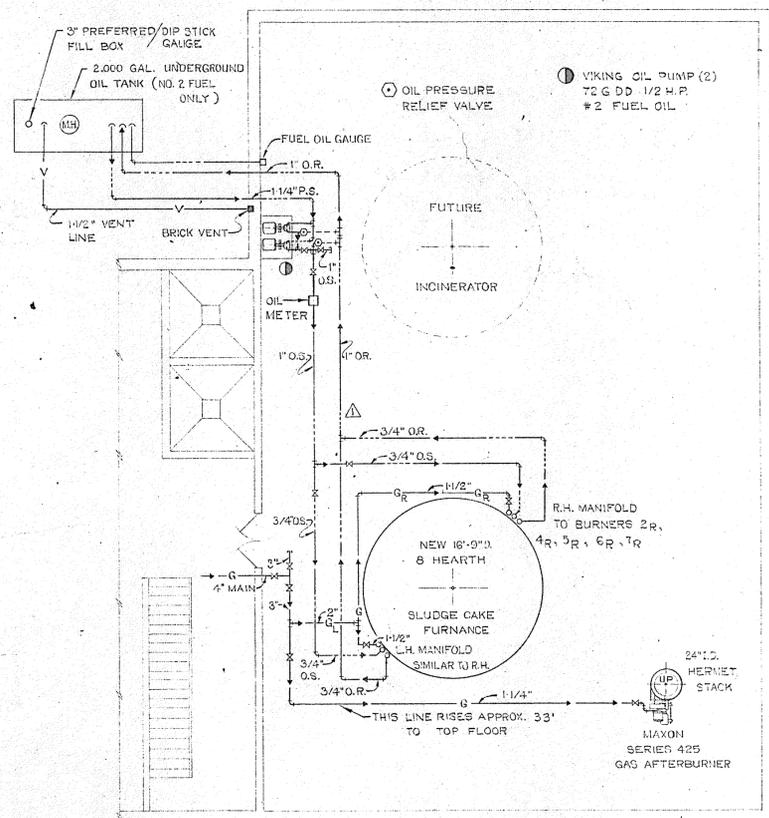


DRAWN: C. BERGDEN      DESIGNED: L. C. MANDELL  
 CHECKED: L. C. MANDELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS**  
 PROVIDENCE, R.I.      WETHERFIELD, CONN.      BOSTON, MASS.

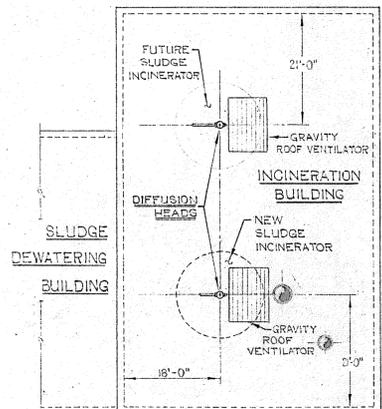
APPROVED  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING INCINERATION BUILDING  
**FURNACE-AIR POLLUTION CONTROL SECTIONS**

SCALE  
 1/4" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
**102**

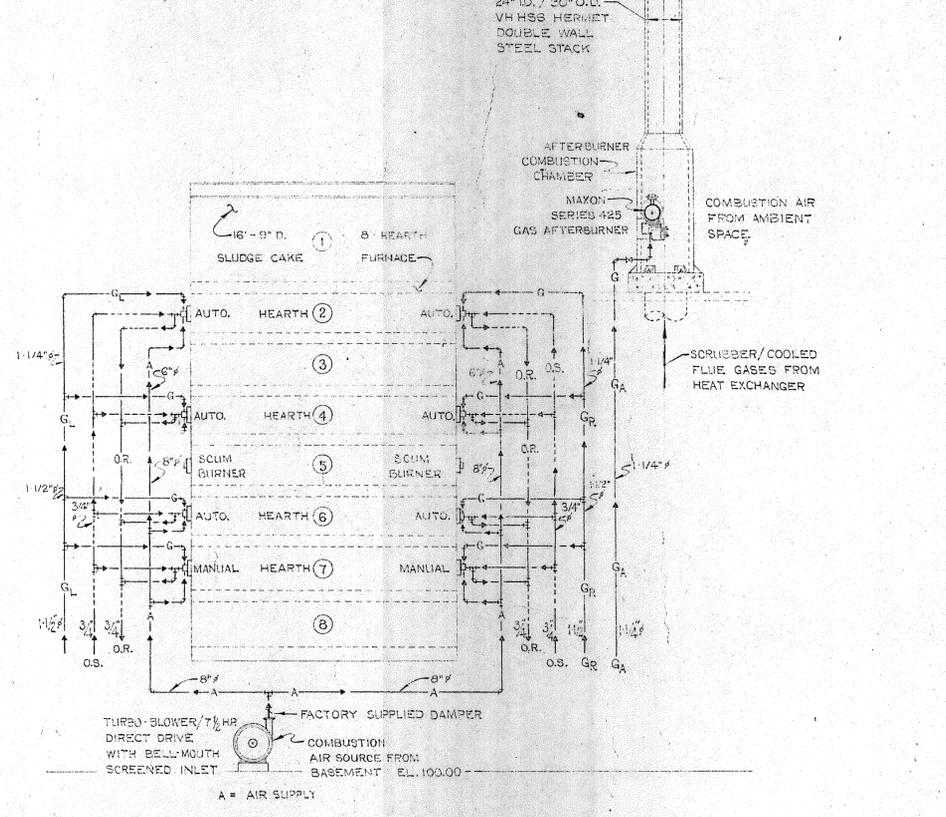


**SCHMATIC**  
**INCINERATION FUEL SYSTEMS PIPING**  
 ELEVATION - 100.00

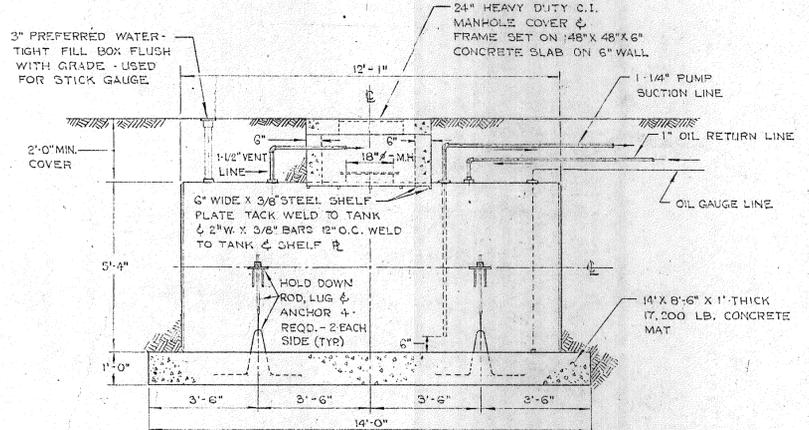


**LOCATION - DIFFUSION HEADS - GAS FIRE SAFETY**

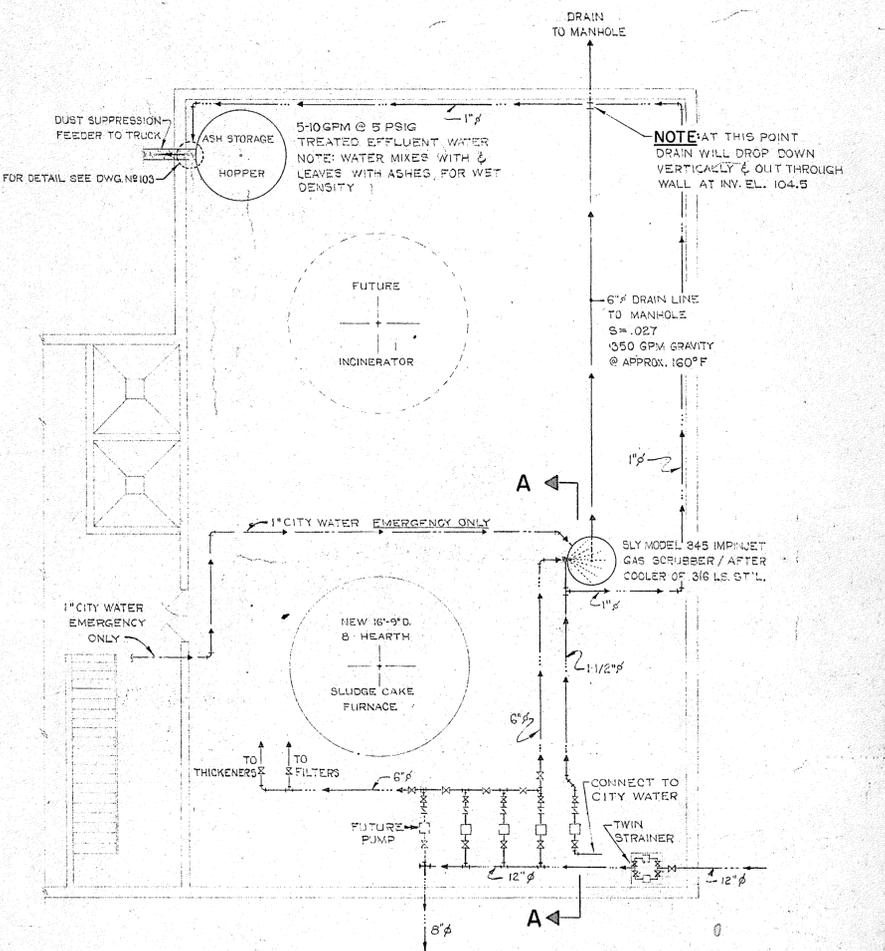
**GENERAL:**  
 THE LAYOUT & ROUTING OF ALL PIPING SYSTEMS ARE TO BE PLANNED & COORDINATED FOR A NEAT ORDERLY OVERALL INTEGRATED LAYOUT & INSTALLATION.



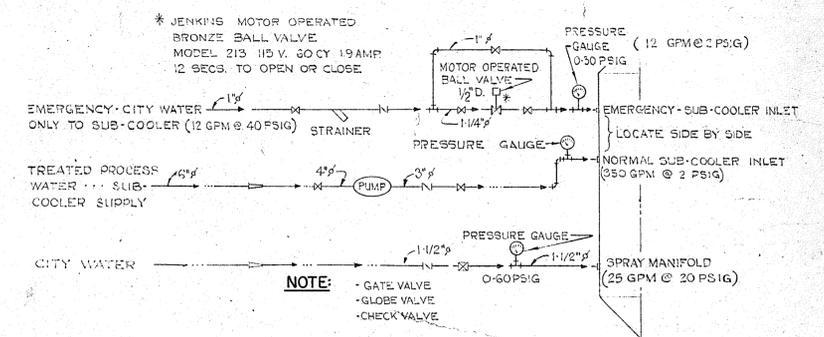
**SCHMATIC**  
**INCINERATION - FUEL & COMBUSTION AIR SYSTEMS PIPING**  
 NOTES: PIPE & CONTROL SO THAT ONLY ONE (1) FUEL AT ANY ONE TIME CAN BE FIRED FROM ANY BURNER.  
 2. PIPE & WIRE THE 2 SCUM BURNERS ON HEARTH (5) FOR MANUAL OPERATION - SIMILAR TO BURNERS ON HEARTH (7).



**#2 FUEL OIL TANK**



**SCHMATIC**  
**PROCESS WATER PIPING - SCRUBBER & ASH CONDITIONER**



**SECTION A-A**  
**SCRUBBER WATER-SUPPLY CONNECTION**

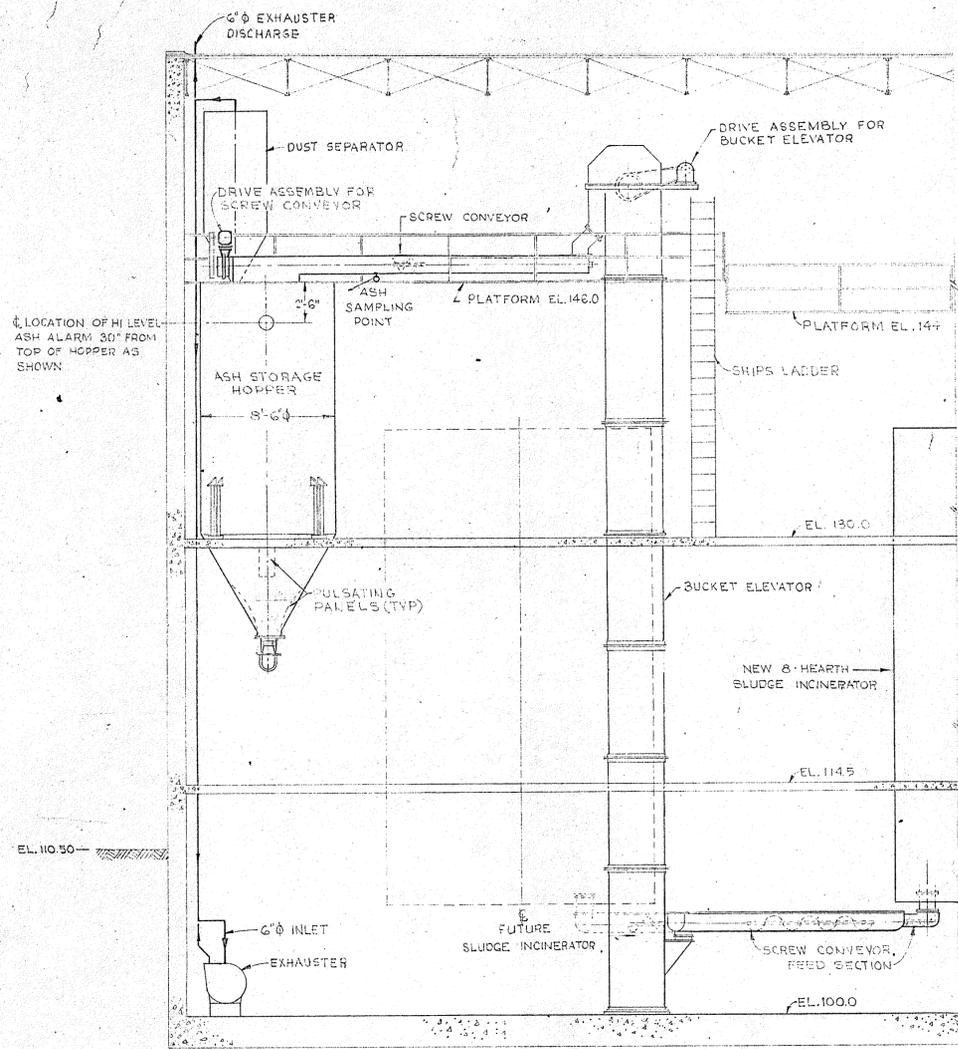
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: CARL BERGDEN      DESIGNED: L. C. MANDELL  
 CHECKED: L. C. MANDELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

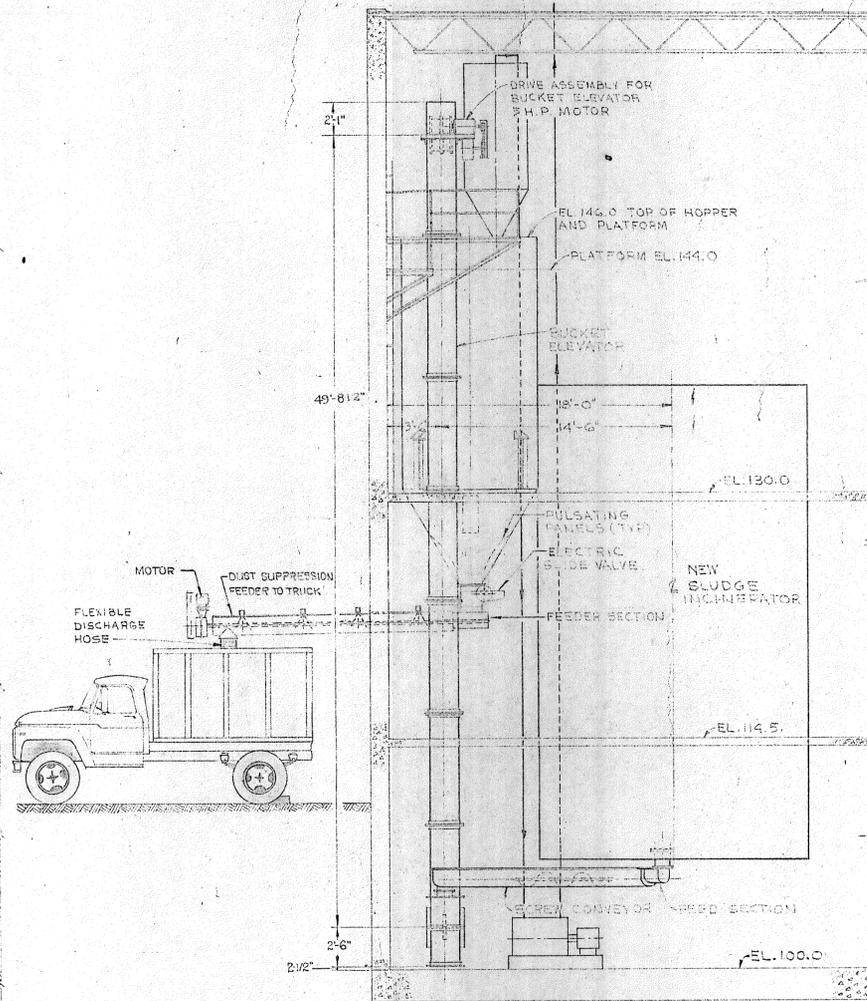
APPROVED  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING - INCINERATION BUILDING  
**FURNACE - FUEL AIR COMBUSTION PROCESS WATER PIPING**

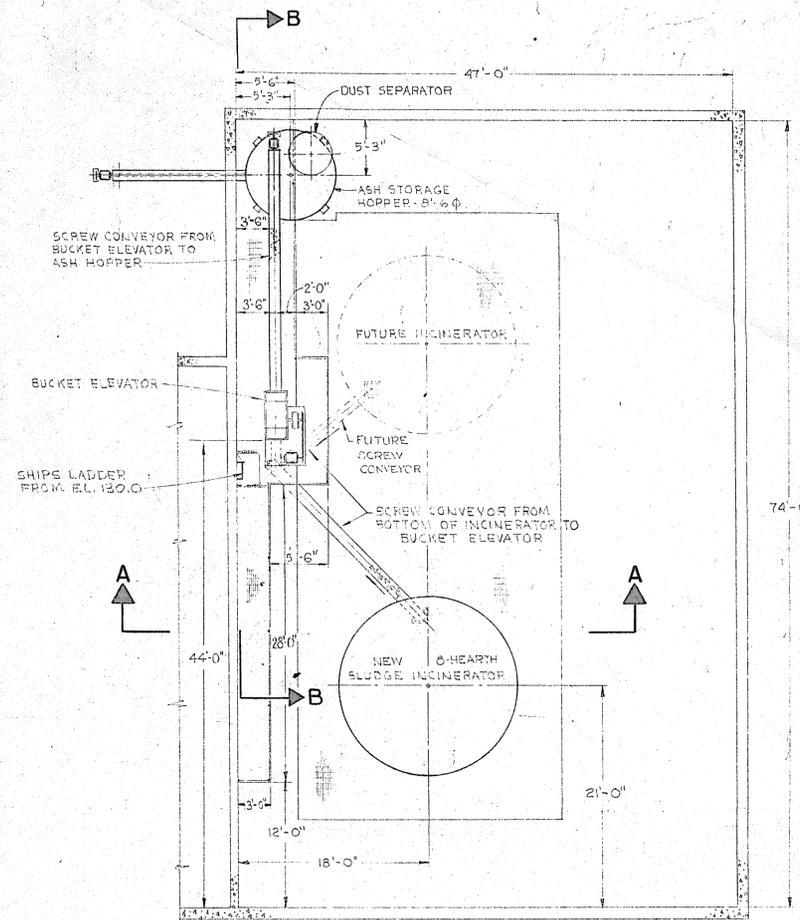
SCALE  
 NO SCALE  
 C. A. M. NO. 1165  
 DRAWING NO.  
**103**



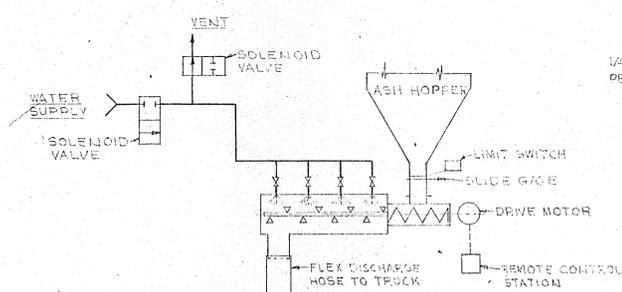
**SECTION B-B**  
SCALE: 3/16" = 1'-0"



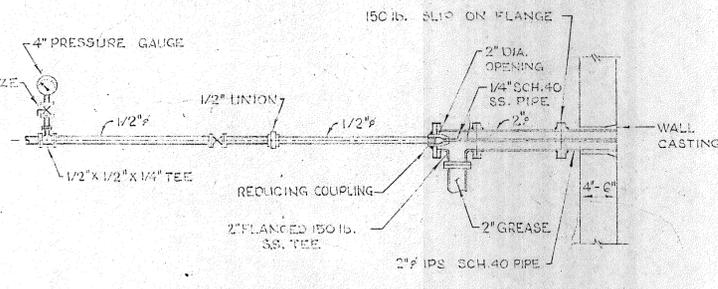
**SECTION A-A**  
SCALE: 3/16" = 1'-0"



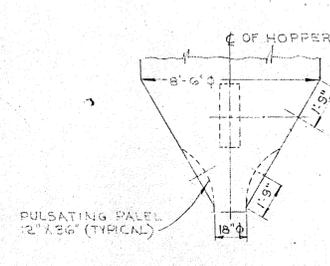
**PLAN AT ELEVATION 130.0**  
SCALE: 1/8" = 1'-0"



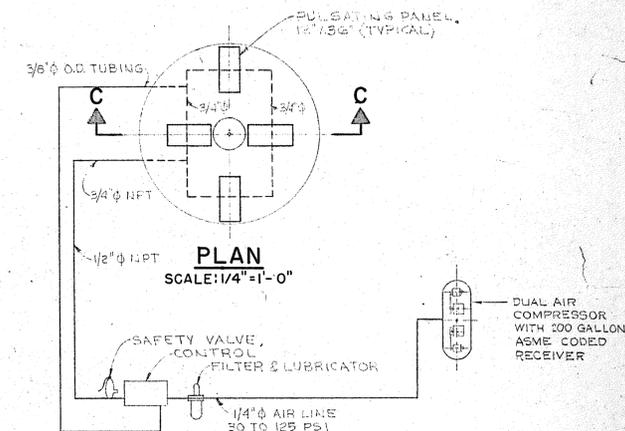
**SCHEMATIC**  
**DUST SUPPRESSION FEEDER**  
NO SCALE



**SCUM - GREASE - FEED DETAIL**  
NO SCALE



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



**SCHEMATIC**  
**PULSATING PANEL LOCATION - AIR CONTROL PIPING**

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



DRAWN: C. BERGDEN & J. PION DESIGNED: L. C. MANDELL  
 CHECKED: L. C. MANDELL APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

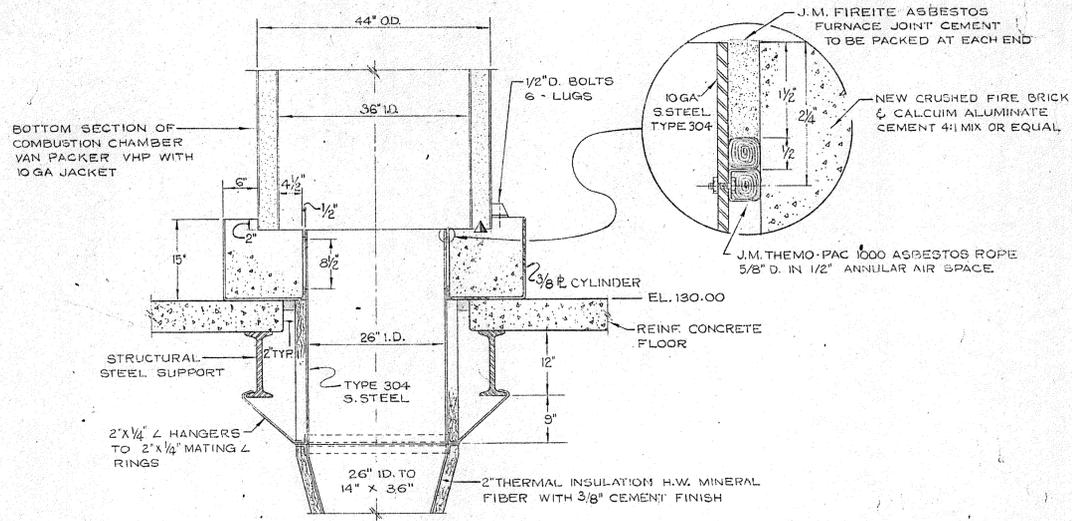
APPROVED

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING - INCINERATION BUILDING  
**ASH HANDLING EQUIPMENT**  
 DETAILS

SCALE  
 AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO.  
**104**

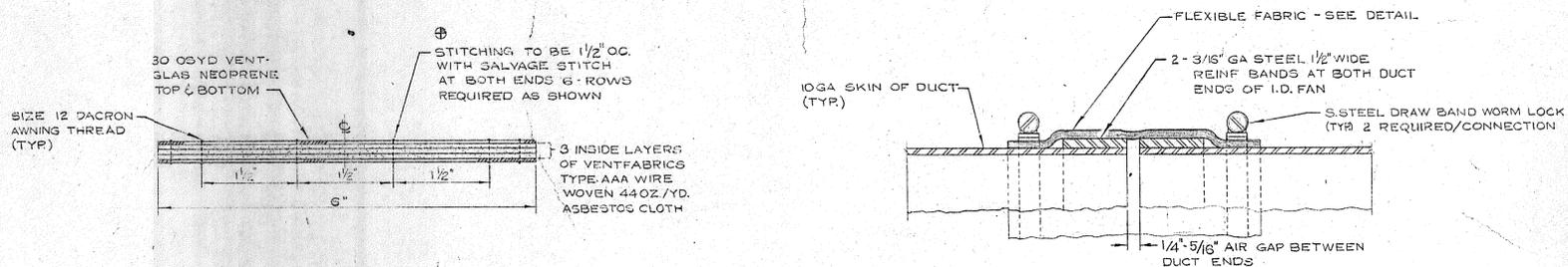
**NOTE:** SET VAN-PACKER VHT SECTION INTO 2" RECESS & SEAL WITH V.P. REFRACTORY CEMENT



**DETAIL: AFTERBURNER CHAMBER BASE DUCT CONNECTION**

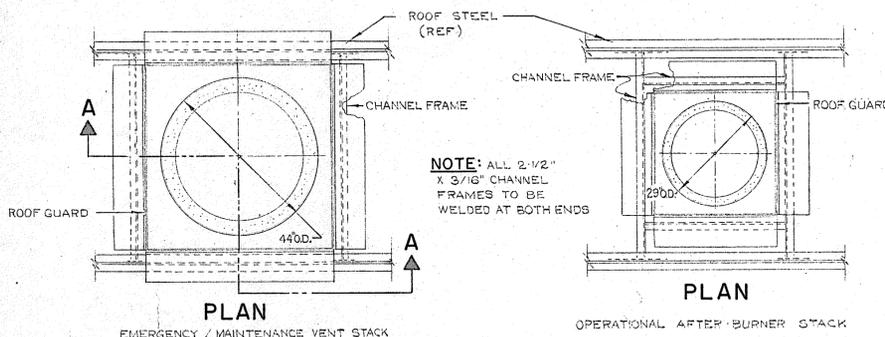
SCALE: 3/4" = 1'-0"

⊕ WATERPROOFING STITCHING APPLY 4 GENEROUS COATINGS OF SILICONE WATERPROOFING LIQUID TO EXTERIOR STITCHING (TYP.) OF BOTH INLET & DISCHARGE OF I.D. FAN



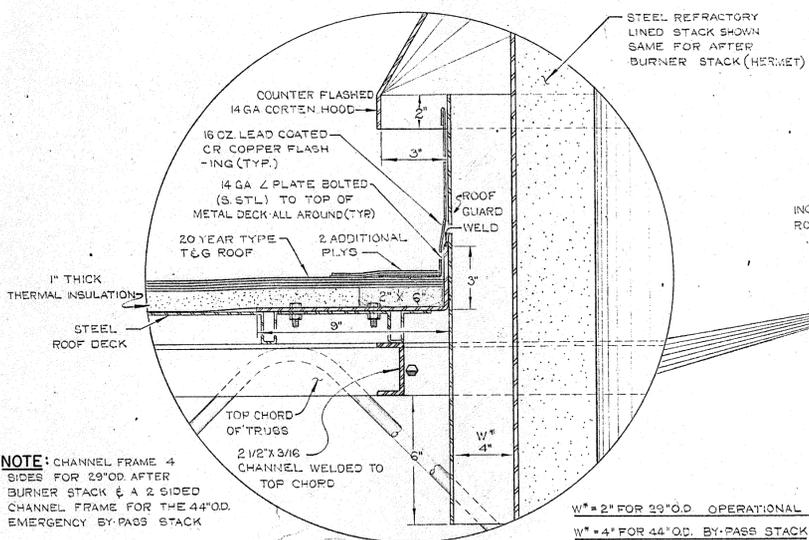
**DETAIL: FLEXIBLE FABRIC CONNECTION**

NO SCALE



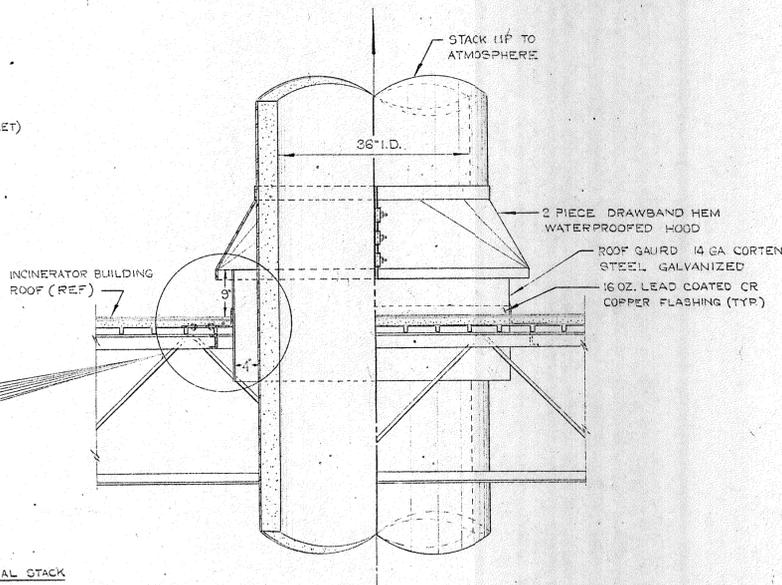
**DETAIL: STACKS ROOF OPENINGS**

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



**ENLARGED SECTION**

SCALE: 3" = 1'-0"

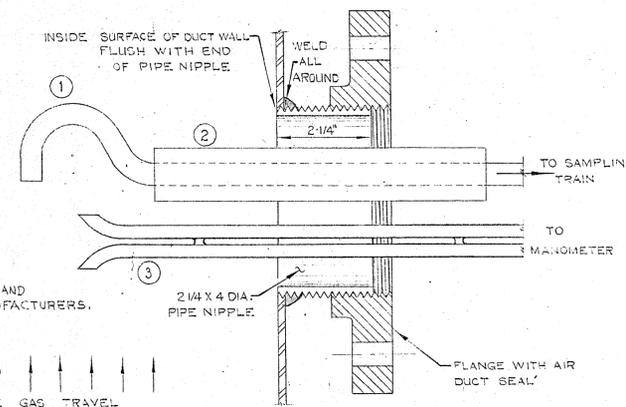


**SECTION A-A**

SCALE: 3/4" = 1'-0"

**NOTE:**

- 1 BUTT HOOK SAMPLING PROBE
- 2 HEATED JACKET FOR 250°F
- 3 S - PITOT TUBE
- 4 SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION AND ALTERNATE SAMPLER MANUFACTURERS.



**DETAIL: ISOKINETIC SAMPLING PARTICULATE EMISSIONS**

**NOTE:** SEE DWG. NO. 101 FOR LOCATION

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

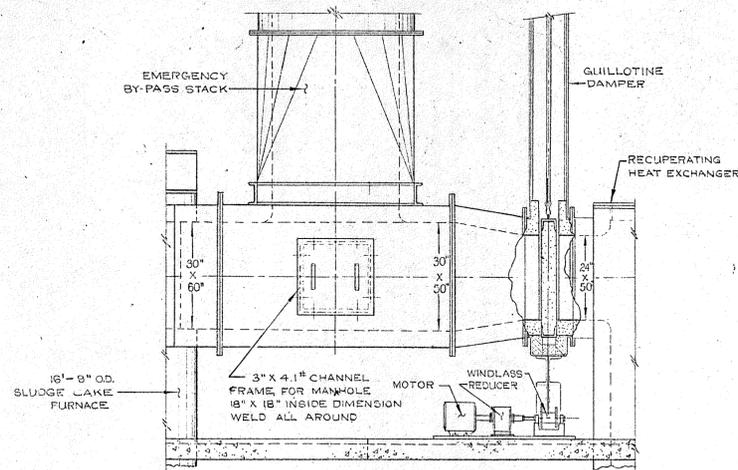


DRAWN: CARL BERGDEN DESIGNED: L.C. MANDELL  
 CHECKED: L.C. MANDELL APPROVED: P.T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS  
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

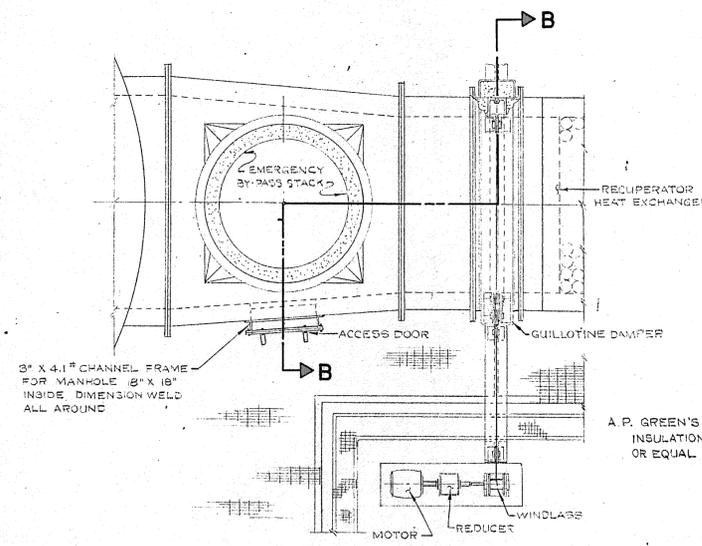
APPROVED  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
 MISCELLANEOUS FURNACE DETAILS

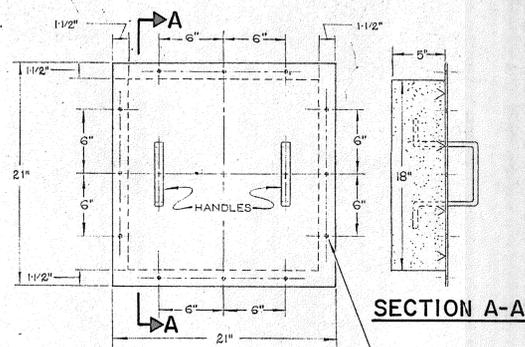
SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. 105



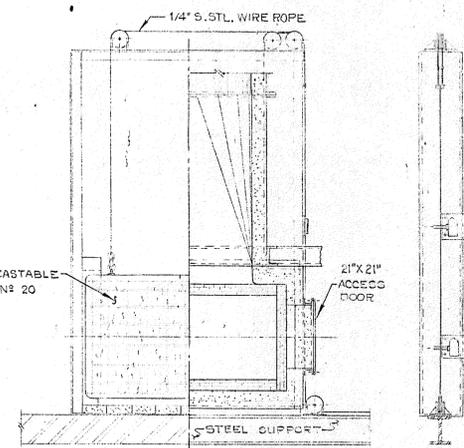
**BREECHING DETAILS**  
SCALE: 1/2" = 1'-0"



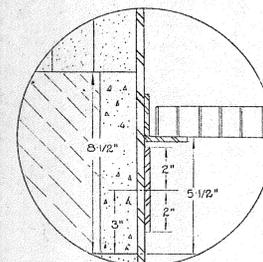
**PLAN MAIN BREECHING & DAMPER**  
SCALE: 1/2" = 1'-0"



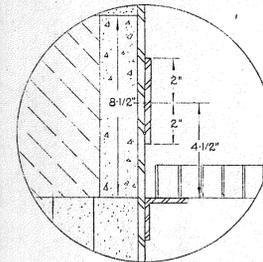
**DETAIL: ACCESS MANHOLE DOOR**  
SCALE: 1 1/2" = 1'-0"



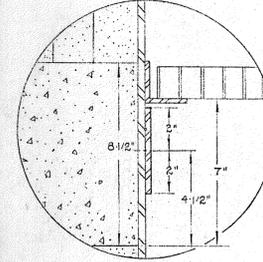
**SECTION B-B**  
**GUILLOTINE DAMPER**  
SCALE: 1/2" = 1'-0"



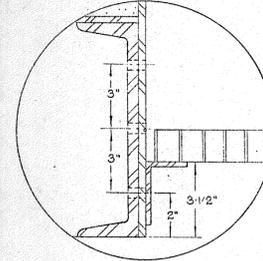
**DETAIL A**  
EL. 130.00  
SCALE: 3" = 1'-0"



**DETAIL B**  
EL. 123.25  
SCALE: 3" = 1'-0"



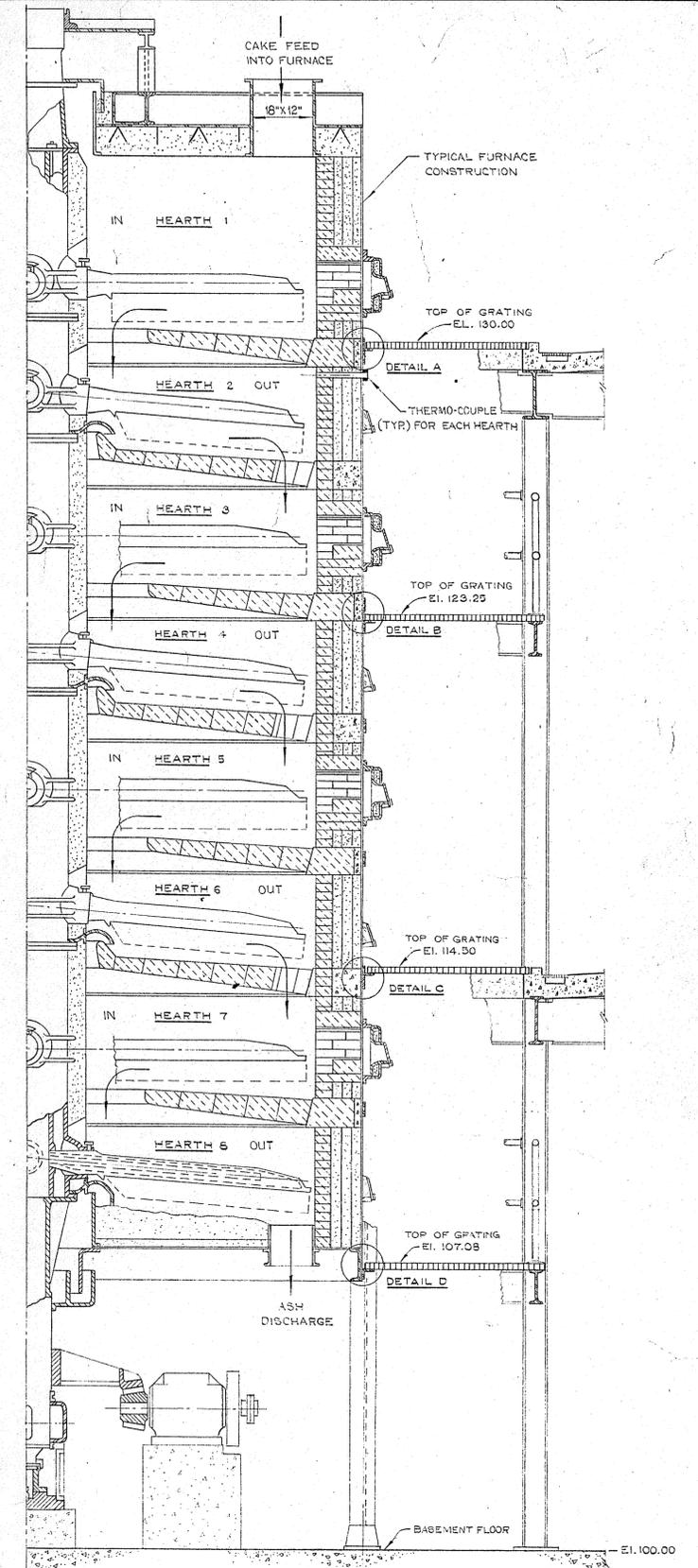
**DETAIL C**  
EL. 114.50  
SCALE: 3" = 1'-0"



**DETAIL D**  
EL. 107.08  
SCALE: 3" = 1'-0"

THERMO-COUPLE LOCATIONS	
T0	COMBUSTION AIR SHAFT TEMPERATURE
T1	INCINERATOR ZONE TEMPERATURES - ZONE 1 - (BREECHING)
T2	INCINERATOR ZONE TEMPERATURES - ZONE 2 - (FURNACE)
T3	INCINERATOR ZONE TEMPERATURES - ZONE 3 - (FURNACE)
T4	INCINERATOR ZONE TEMPERATURES - ZONE 4 - (FURNACE)
T5	INCINERATOR ZONE TEMPERATURES - ZONE 5 - (FURNACE)
T6	INCINERATOR ZONE TEMPERATURES - ZONE 6 - (FURNACE)
T7	INCINERATOR ZONE TEMPERATURES - ZONE 7 - (FURNACE)
T8	INCINERATOR ZONE TEMPERATURES - ZONE 8 - (FURNACE)
T9	ASH TEMPERATURE AT FURNACE OUTLET
T10	FLUE GAS TEMPERATURE AT SCRUBBER INLET
T11	FLUE GAS TEMPERATURE AT INDUCED DRAFT FAN INLET
T12	FLUE GAS TEMPERATURE AT AFTERBURNER INLET
T13	AFTER-BURNER STACK DISCHARGE TO ATMOSPHERE
T14	SCRUBBER DRAIN WATER TEMPERATURE
T15	EMERGENCY VENT STACK TEMPERATURE

NOTE: SEE DWG. NO. 101



**ELEVATION - GRATING DETAILS AROUND FURNACE**  
SCALE: 1/2" = 1'-0"

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



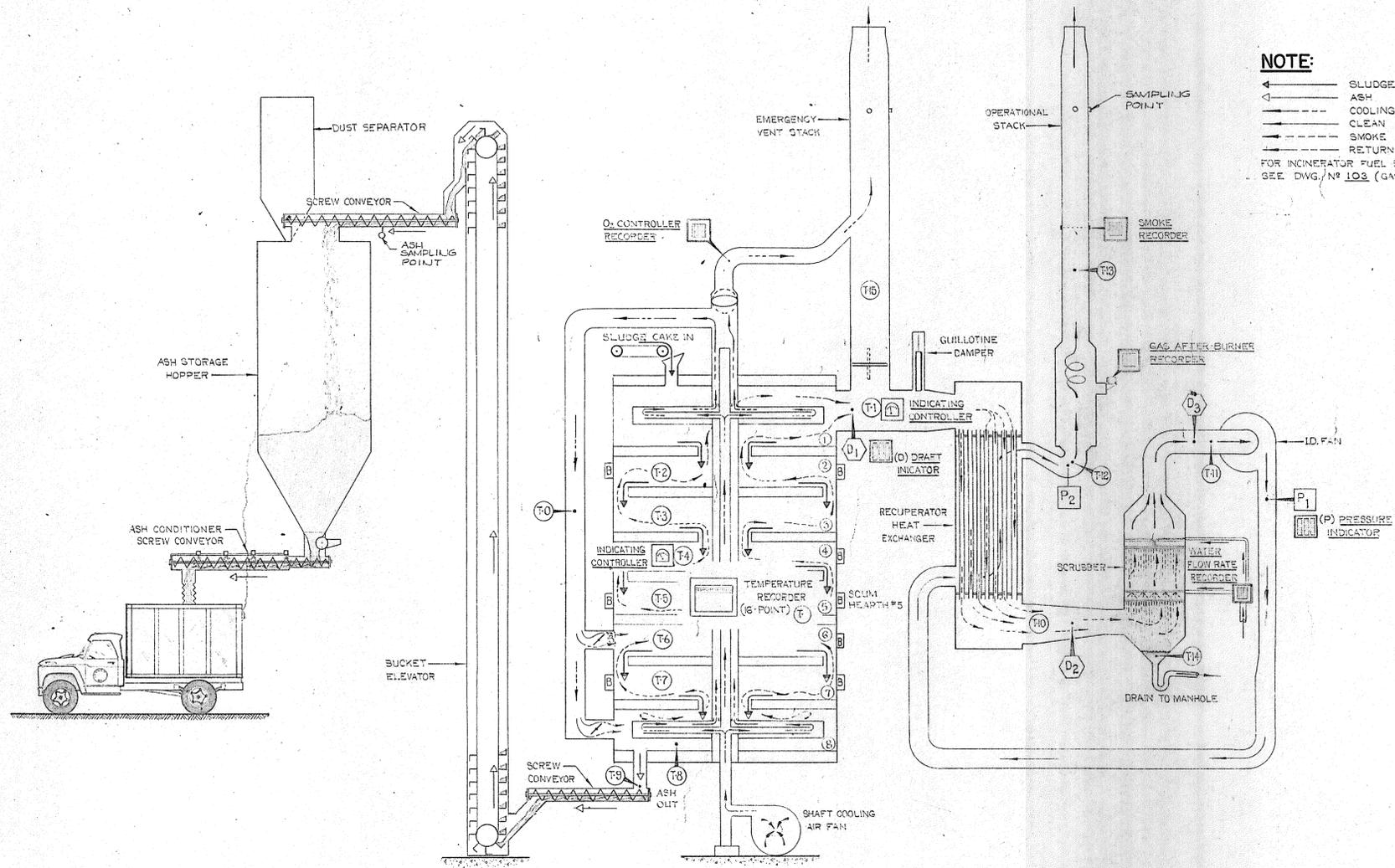
DRAWN: CARL BERGDEN      DESIGNED: L. C. MANDELL  
 CHECKED: L. C. MANDELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERFIELD, CONN.      BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 SLUDGE DEWATERING - INCINERATION BUILDING  
 MISCELLANEOUS FURNACE DETAILS

SCALE  
 AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO.  
 106



**NOTE:**  
 ← SLUDGE CAKE  
 ◁ ASH  
 --- COOLING AIR  
 --- CLEAN AIR  
 --- SMOKE  
 --- RETURN COMBUSTION AIR  
 FOR INCINERATOR FUEL SYSTEMS PIPING  
 SEE DWG. NO. 103 (GAS, OIL, AIR)

**LEGEND**  
 [B] AUXILIARY GAS/OIL BURNERS  
 [D] DRAFT MEASUREMENT LOCATIONS  
 [P] PRESSURE MEASUREMENT LOCATIONS  
 [T] TEMPERATURE MEASUREMENT LOCATIONS (THERMO-COUPLES)

**SCHEMATIC — 16'-9" 8-HEARTH SLUDGE INCINERATOR WITH AUXILIARY AIR POLLUTION CONTROL EQUIPMENT**

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

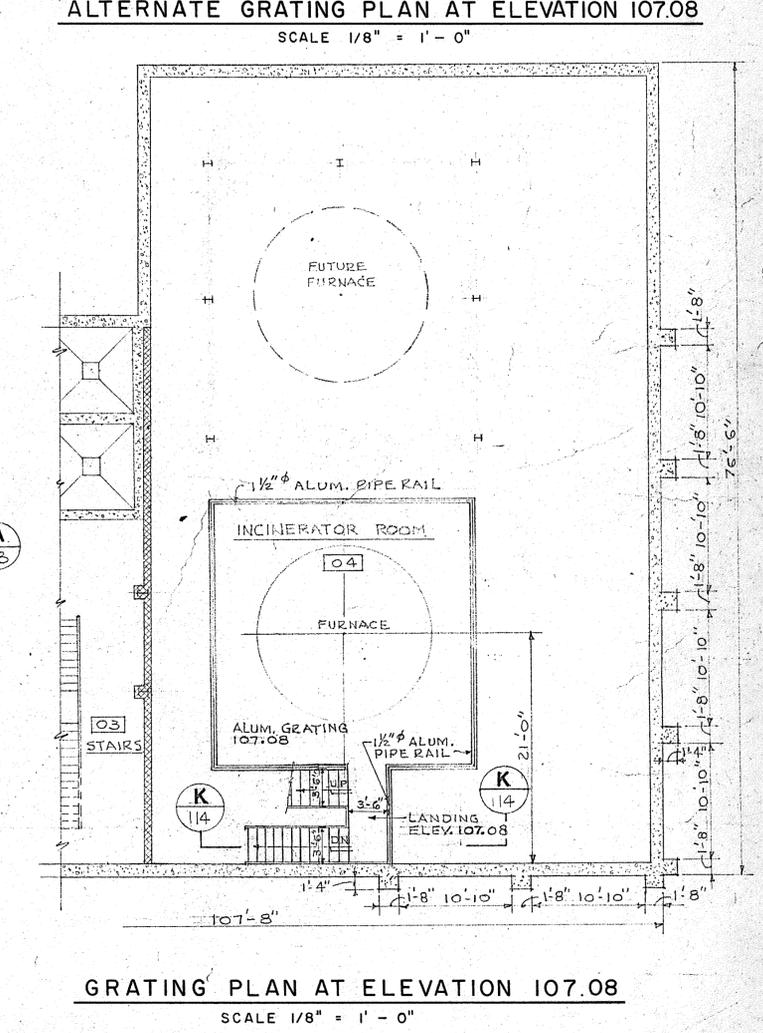
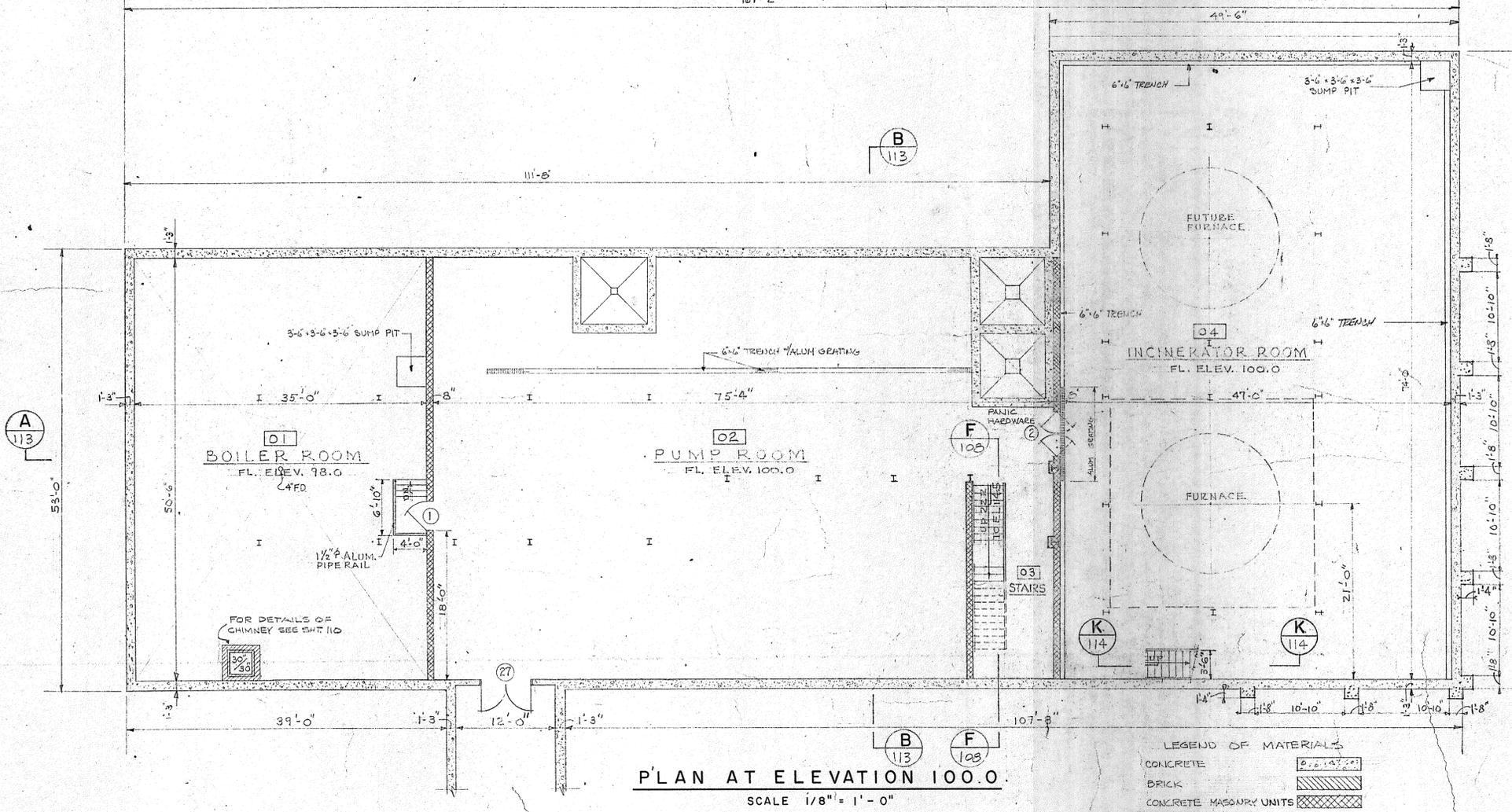
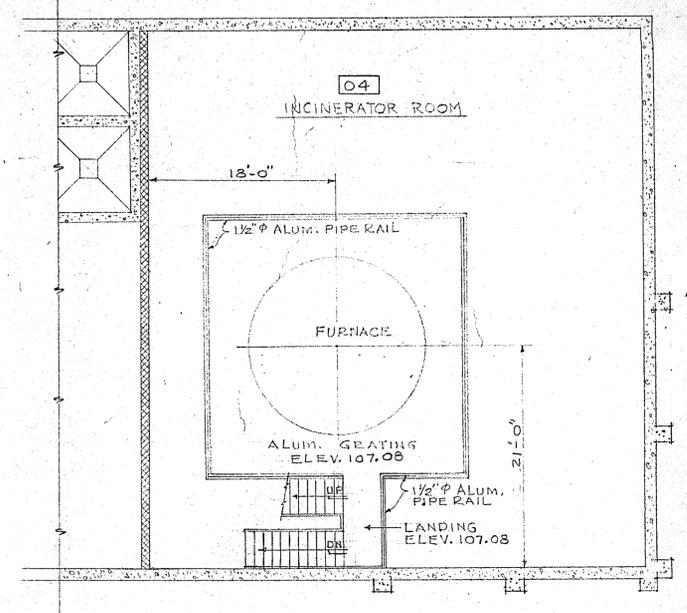
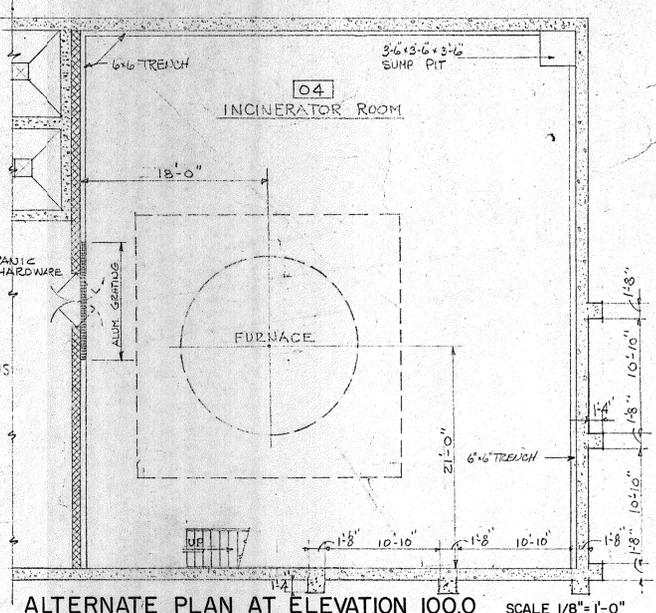
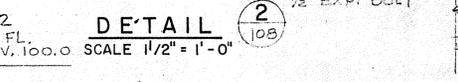
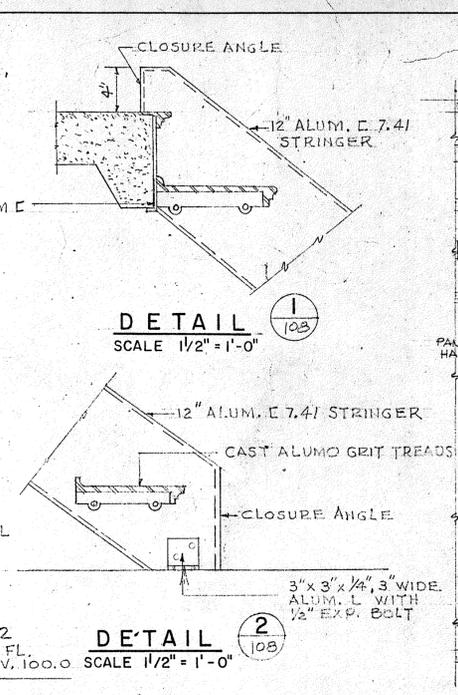
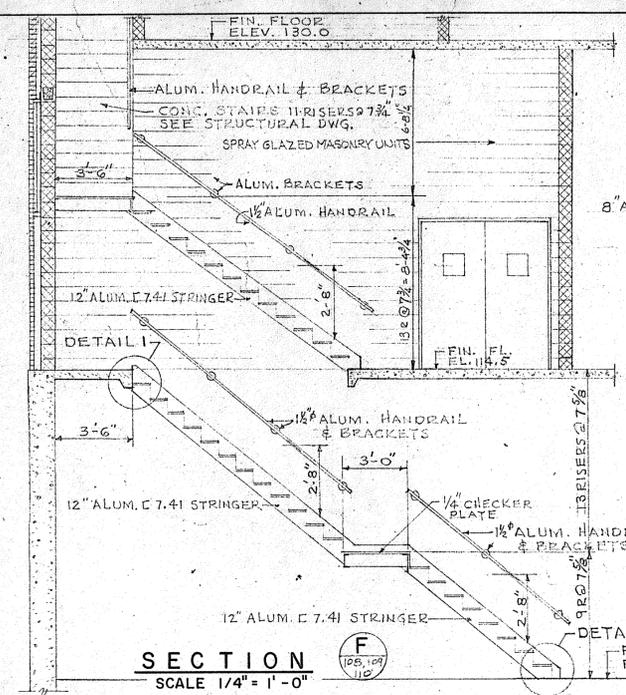


DRAWN: C. BERGDEN      DESIGNED: H. F. CARPENTER  
 CHECKED: L. C. MANDELL      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS  
 PROVIDENCE, R.I.      WETHERSFIELD, CONN.      BOSTON, MASS.

APPROVED \_\_\_\_\_  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
**SLUDGE INCINERATOR — PROCESS & AIR POLLUTION CONTROL DIAGRAM**

SCALE  
 NO. SCALE  
 C. A. M. NO. 1165  
 DRAWING NO.  
**107**



DRAWN: J. BRAUNROTH H. SAMSON DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES  
 ENGINEERS  
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

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 TOWN OF STRATFORD

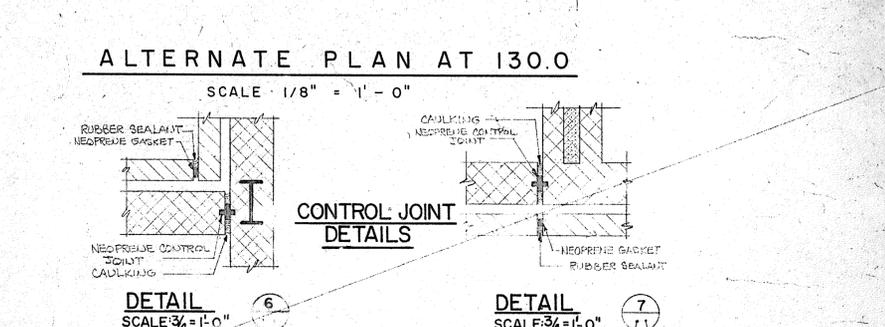
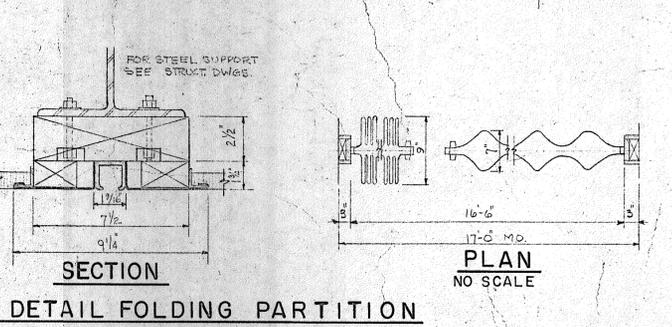
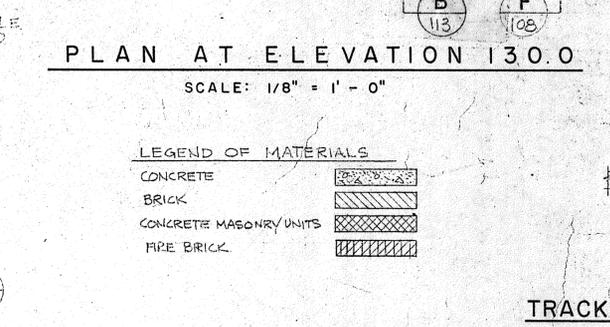
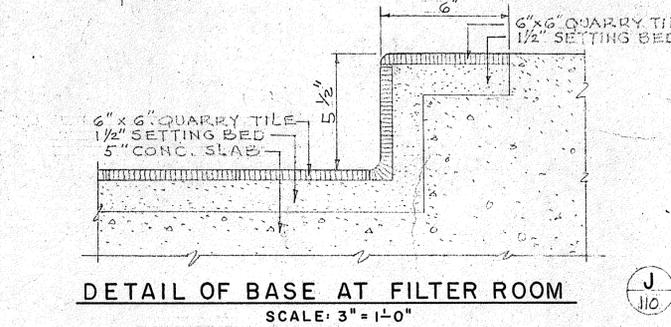
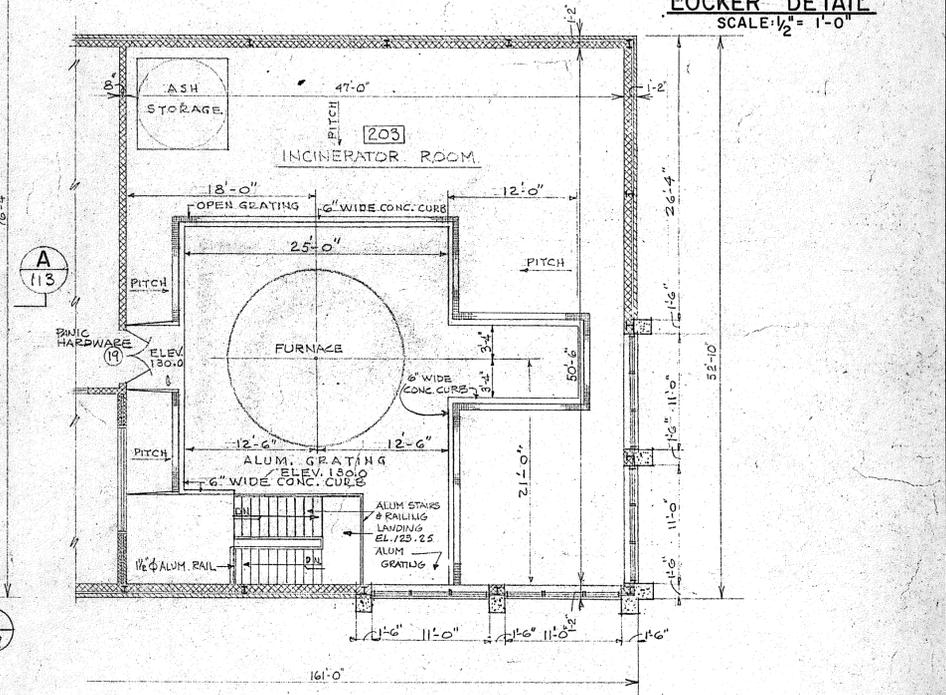
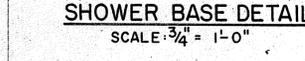
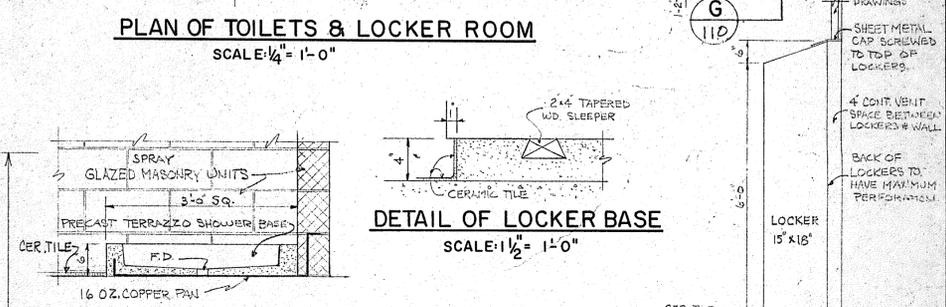
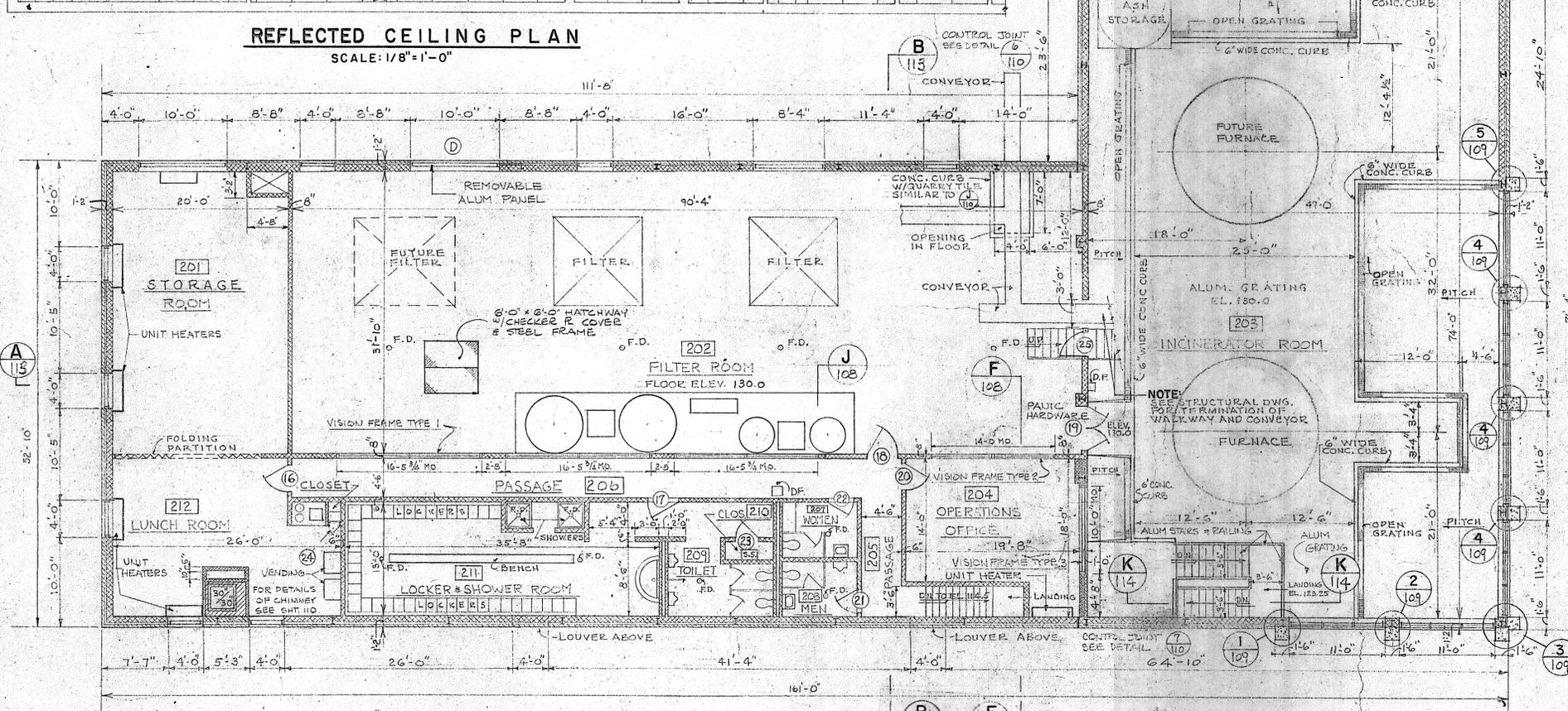
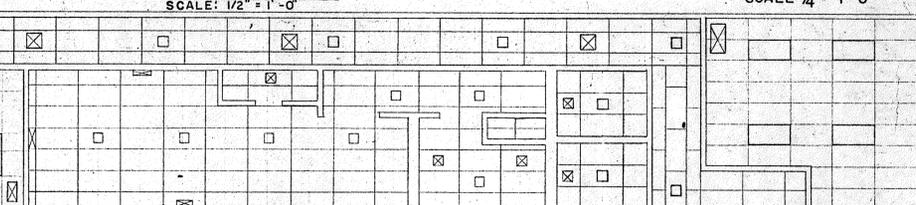
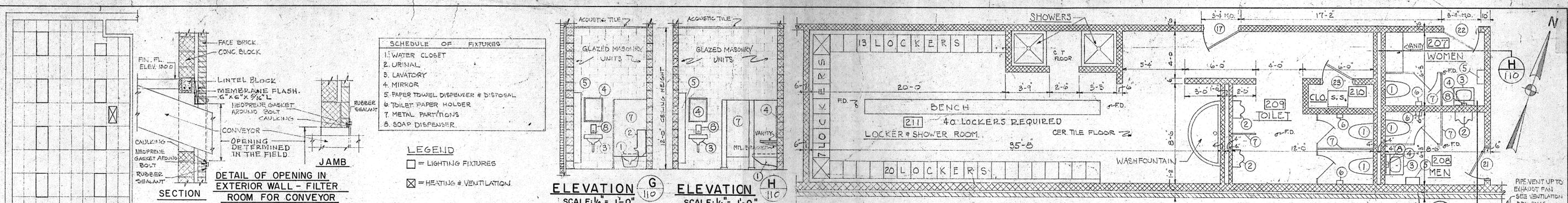
TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
 ARCHITECTURAL  
 PLANS AT ELEVATIONS 100.0 AND 107.5

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. 108

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





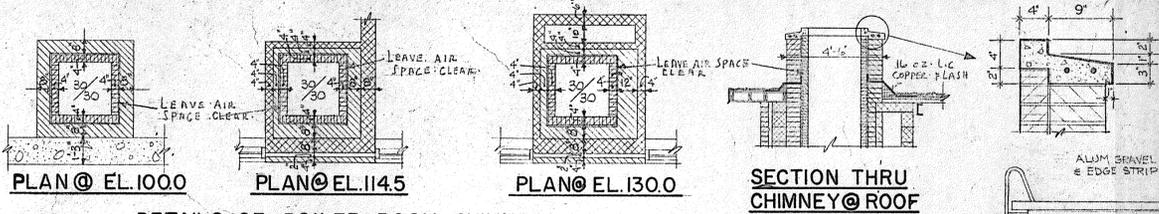


REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

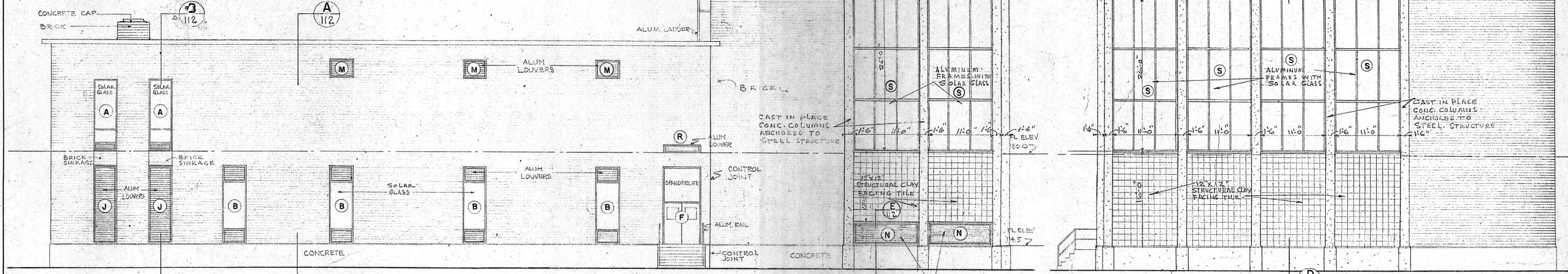
DRAWN: J. BRAUNROTH H. SAMSON DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS  
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

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

SCALE: AS NOTED  
 C.A.M. NO. 1165  
 DRAWING NO. 110

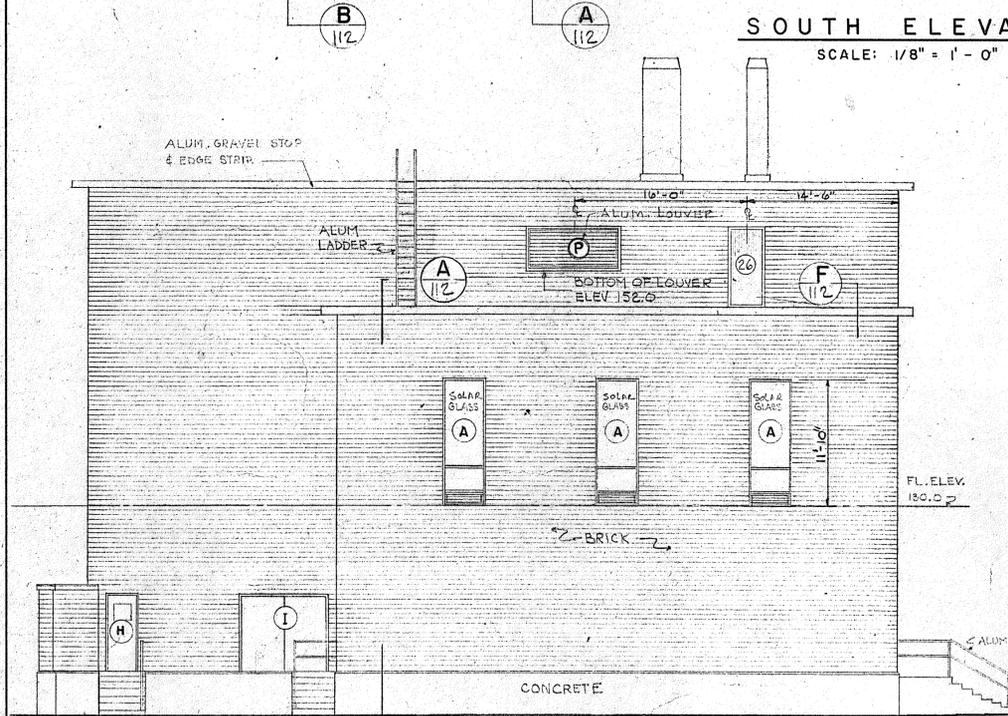


**DETAILS OF BOILER ROOM CHIMNEY**  
SCALE: 1/4" = 1'-0"

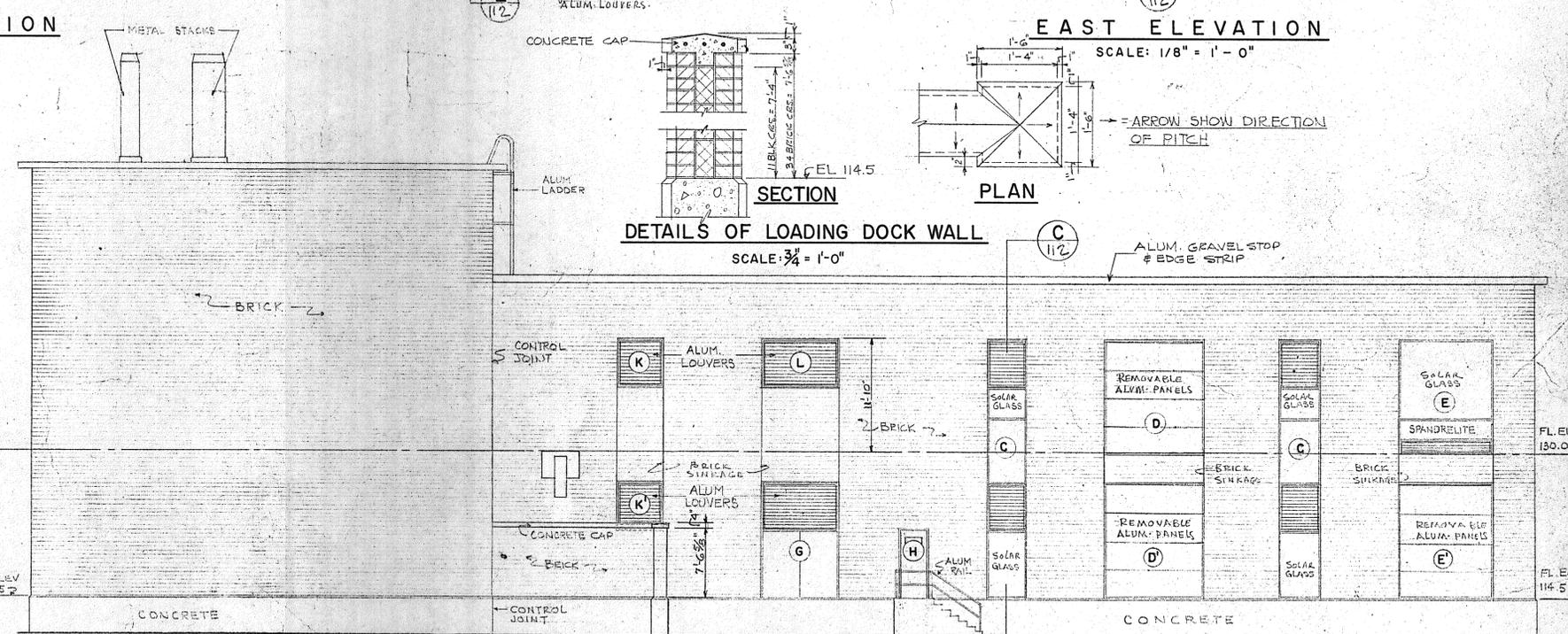


**SOUTH ELEVATION**  
SCALE: 1/8" = 1'-0"

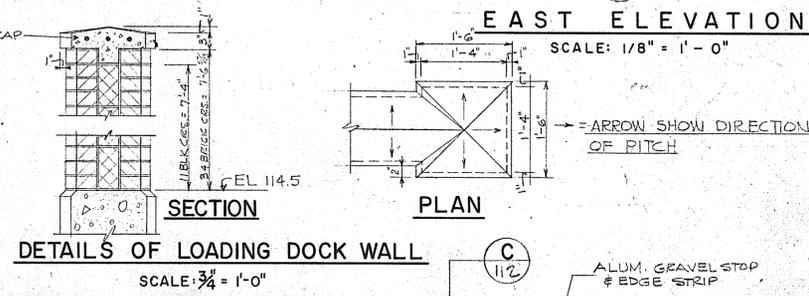
**EAST ELEVATION**  
SCALE: 1/8" = 1'-0"



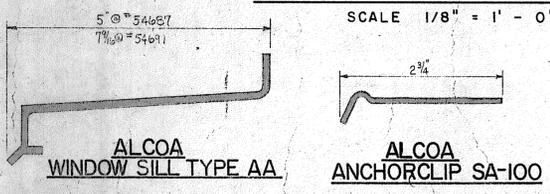
**WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



**NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**DETAILS OF LOADING DOCK WALL**  
SCALE: 3/4" = 1'-0"



ALUMINUM WINDOW SILL SCHEDULE		
	TYPE (M) LOUVER 3 REQD.	SILL NO. 54161
	TYPE (A) WINDOW 2 REQD.	SILL NO. 54687
SOUTH ELEVATION	TYPE (S) WINDOW 2 REQD.	SILL NO. 54161
	TYPE (R) LOUVER 1 REQD.	SILL NO. 54161
EAST ELEVATION	TYPE (S) WINDOW 4 REQD.	SILL NO. 54161
	TYPE (P) LOUVER 3 REQD.	SILL NO. 54161
WEST ELEVATION	TYPE (A) WINDOW 3 REQD.	SILL NO. 54161
	TYPE (K) LOUVER 1 REQD.	SILL NO. 54687
	TYPE (L) LOUVER 1 REQD.	SILL NO. 54161
NORTH ELEVATION	TYPE (L) LOUVER 1 REQD.	SILL NO. 54161
	TYPE (E) WINDOW 1 REQD.	SILL NO. 54161

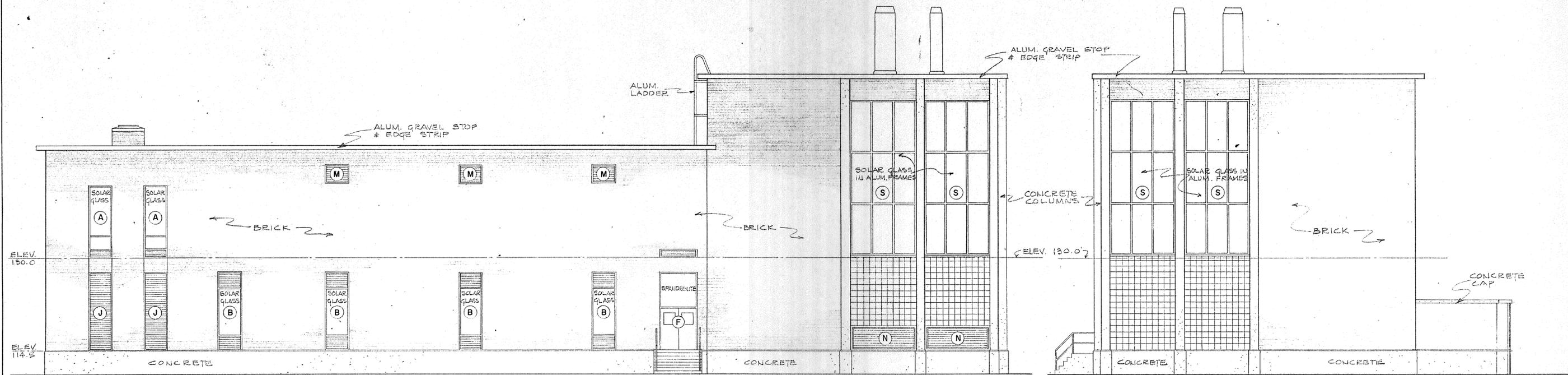
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE



DRAWN: J. BRAUNROTH      DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON      APPROVED: H. CAMPBELL  
 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  
**ARCHITECTURAL**  
 NORTH-SOUTH-EAST-WEST-ELEVATIONS  
 SCALE  
 1/8" = 1'-0"  
 C. A. M. NO. 1165  
 DRAWING NO.  
 III



**SOUTH ELEVATION**

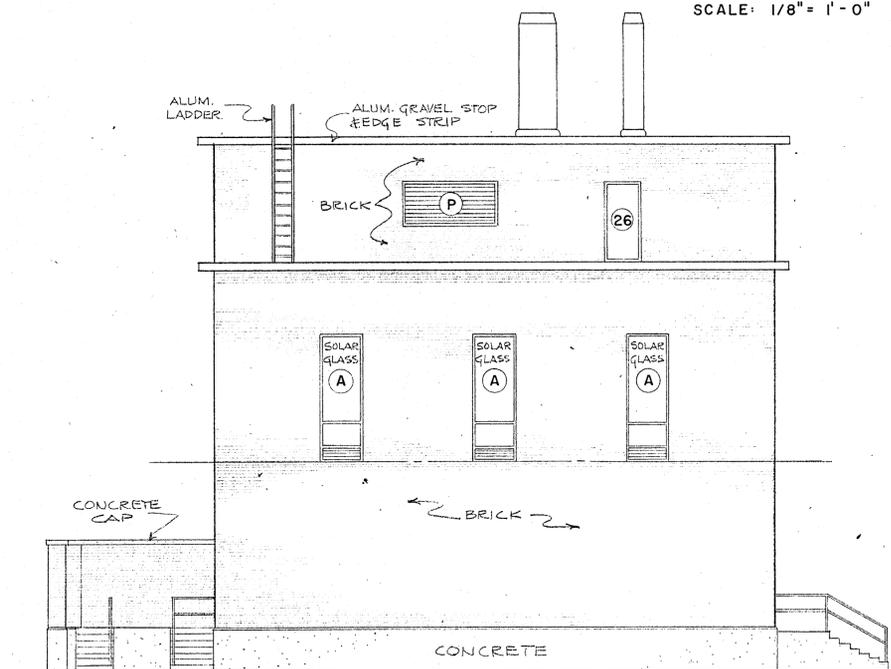
SCALE: 1/8" = 1'-0"

**EAST ELEVATION**

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

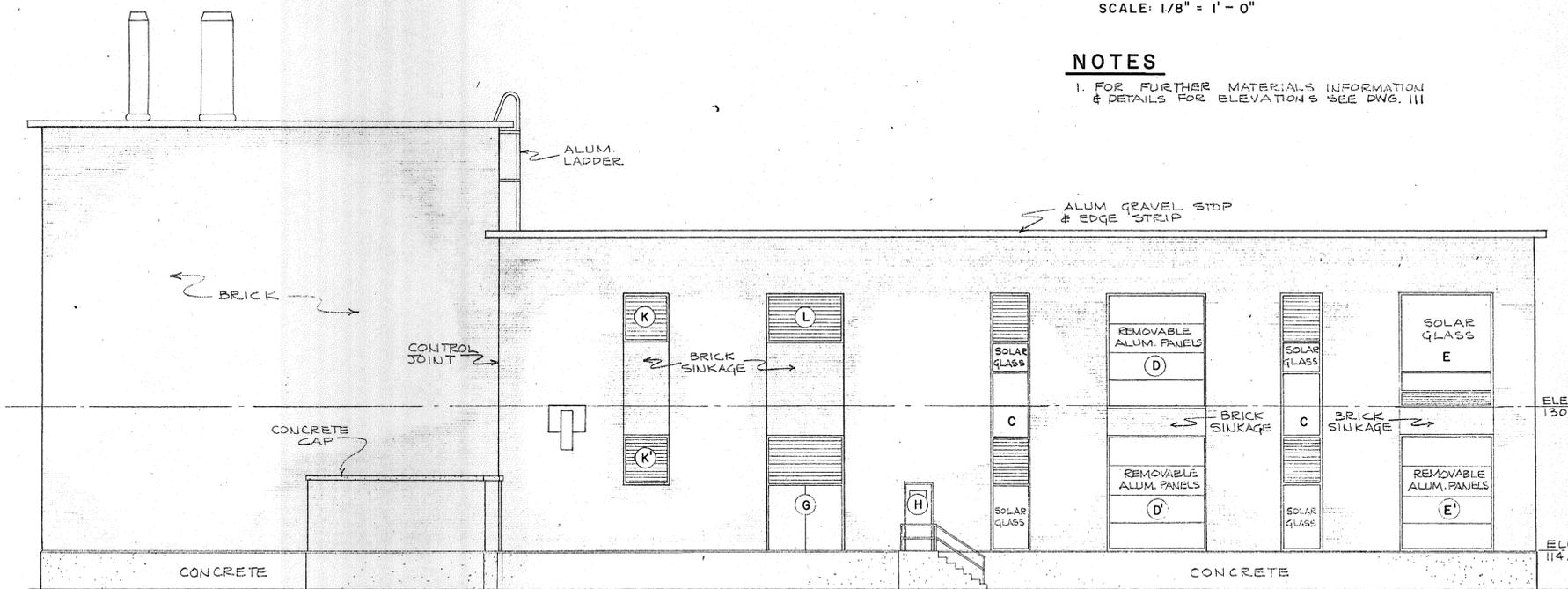
**NOTES**

1. FOR FURTHER MATERIALS INFORMATION & DETAILS FOR ELEVATIONS SEE DWG. III



**WEST ELEVATION**

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



**NORTH ELEVATION**

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

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

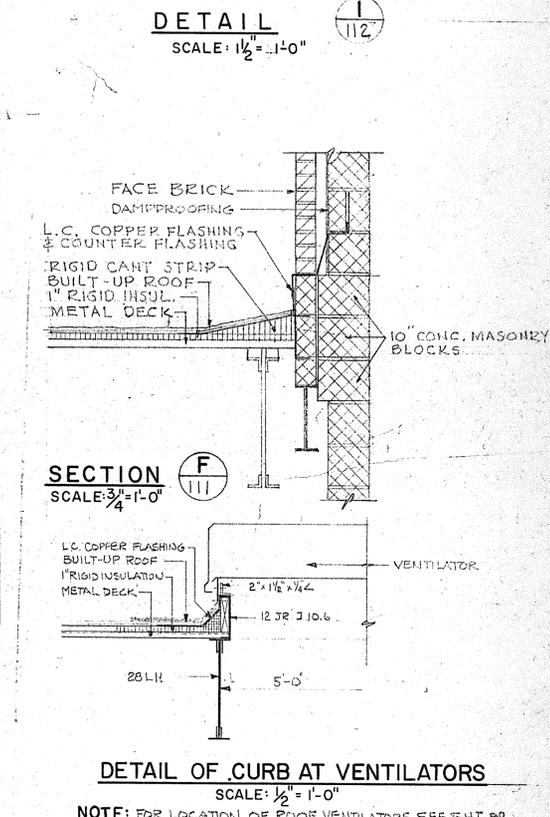
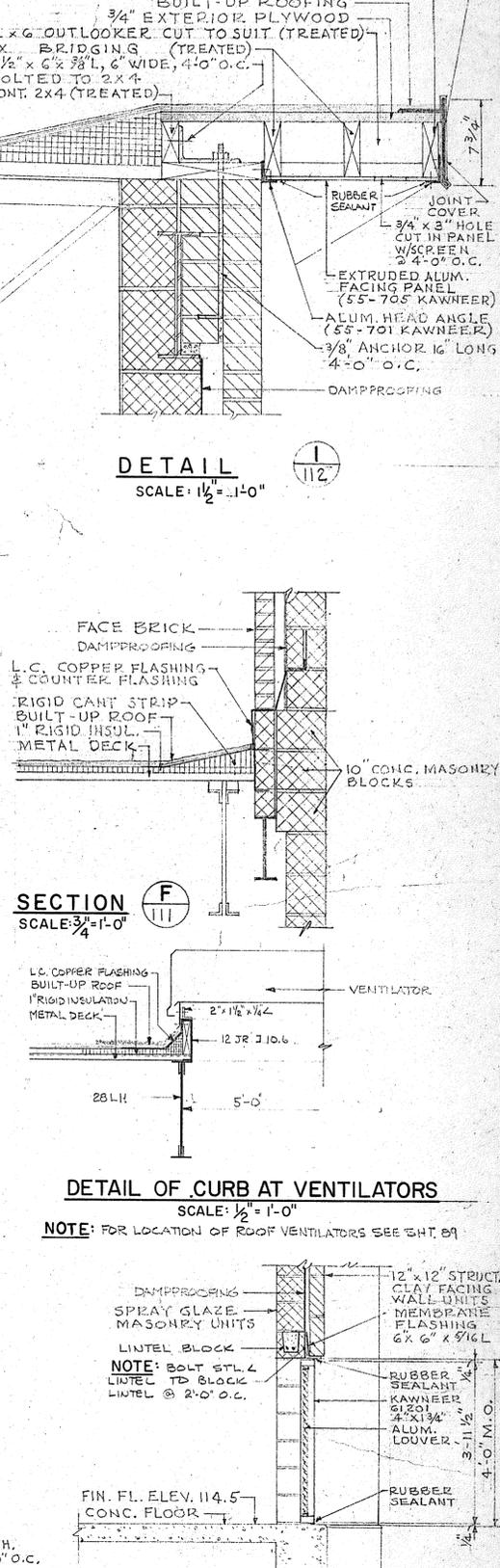
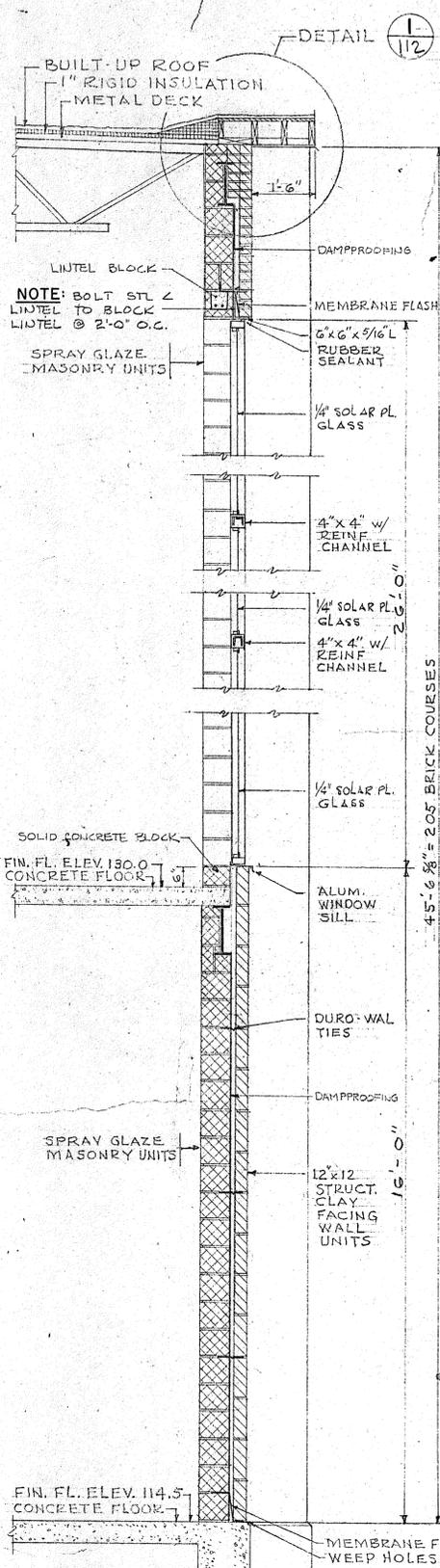
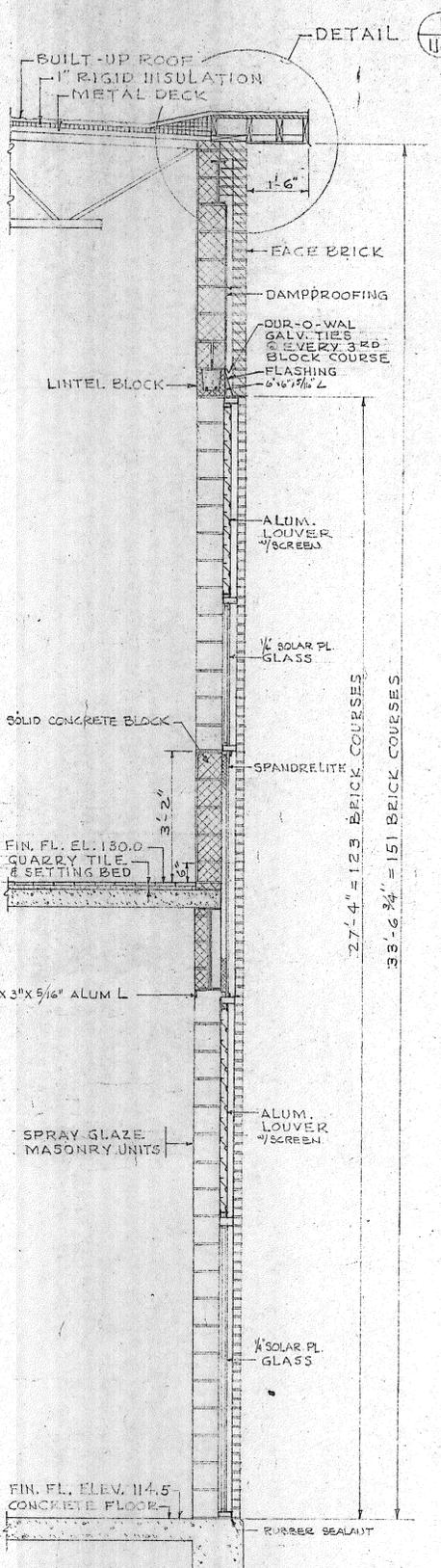
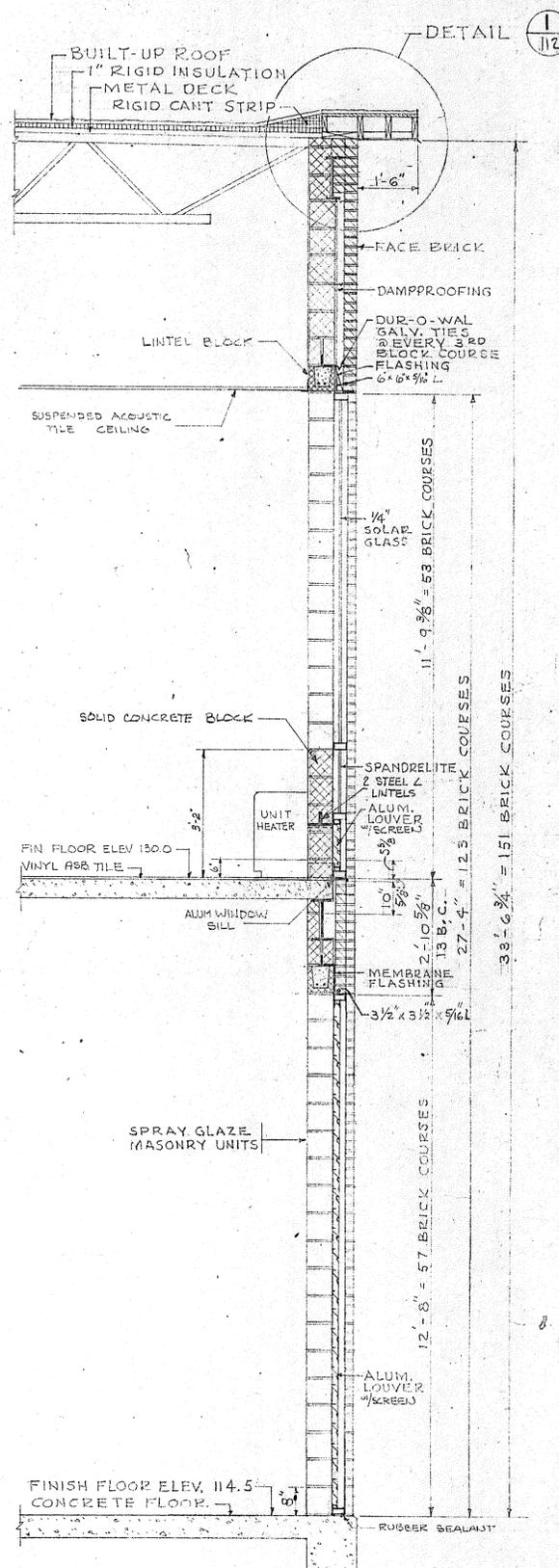
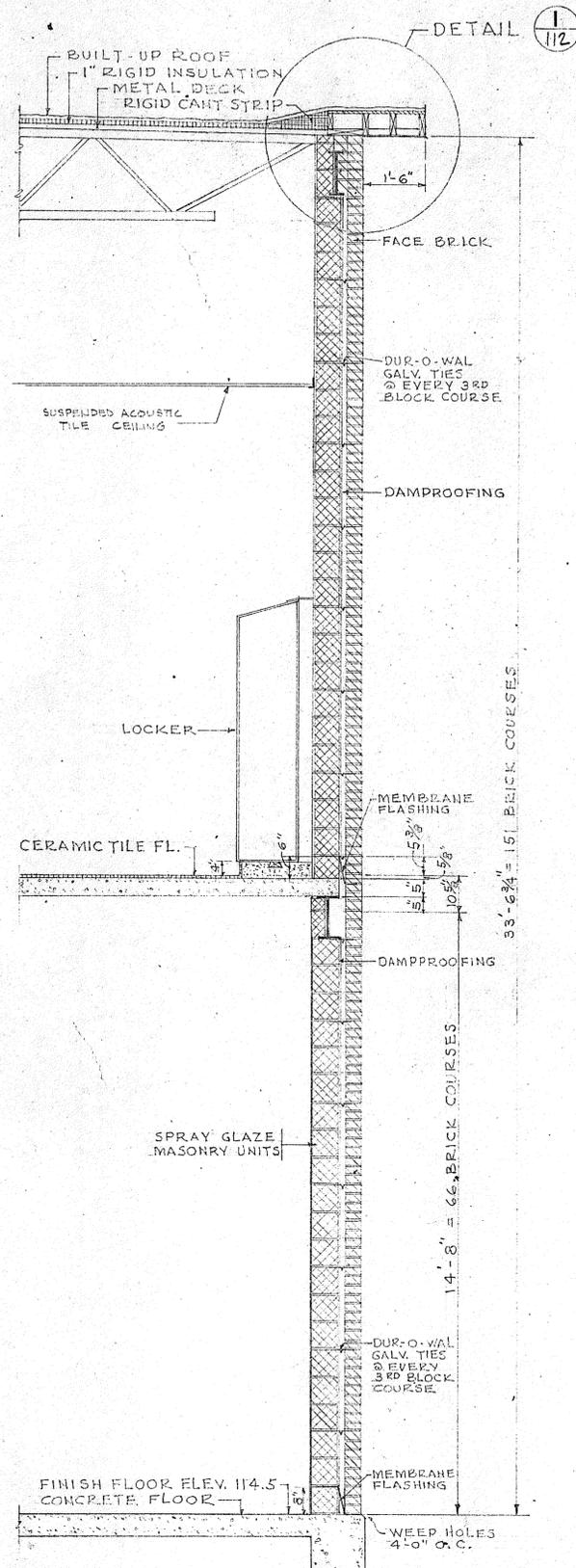
DRAWN: J. BRAUNROTH    DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON    APPROVED: H. CAMPBELL  
 DATE: AUGUST, 1970

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 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 SLUDGE DEWATERING - INCINERATION BUILDING  
 ALTERNATE - ARCHITECTURAL  
 NORTH-SOUTH-EAST-WEST-ELEVATIONS

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



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



DRAWN: H. SAMSON      DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON      APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970

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TOWN OF STRATFORD

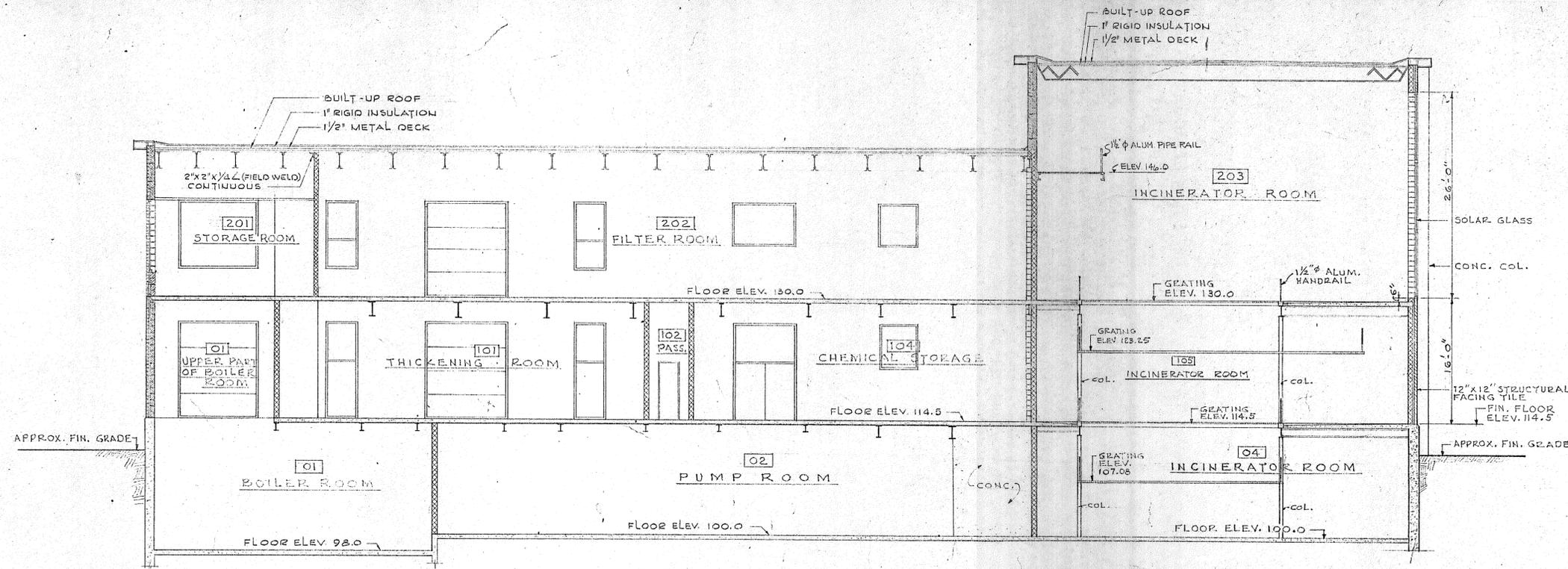
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING

**ARCHITECTURAL**  
**WALL SECTIONS**

SCALE  
 AS NOTED.

C. A. M. NO. 1165

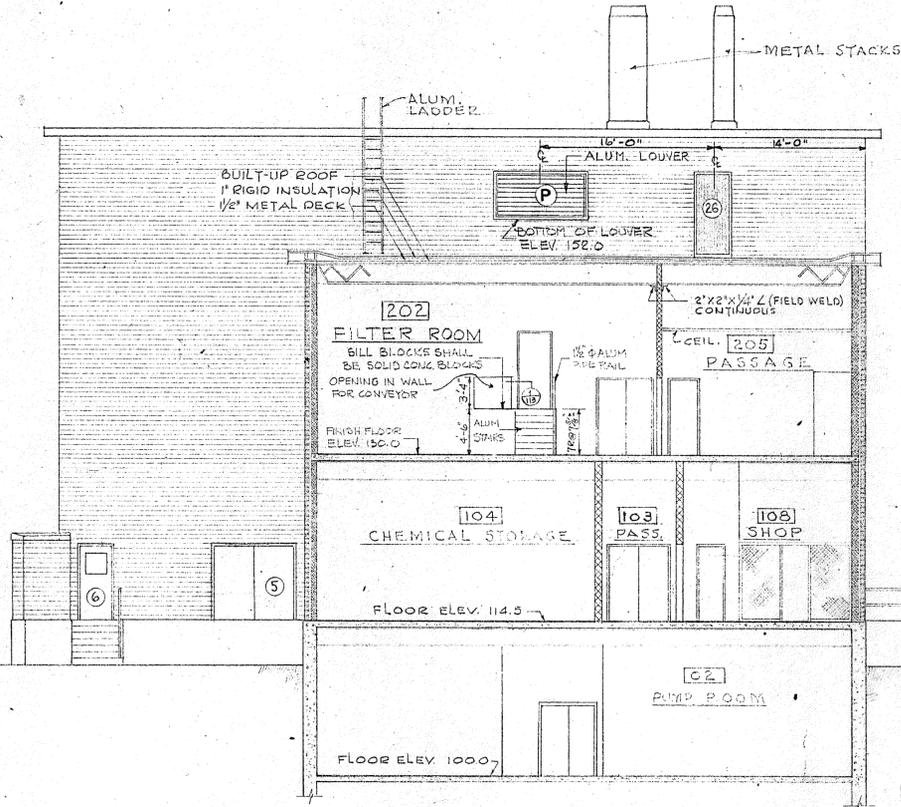
DRAWING NO.  
**112**



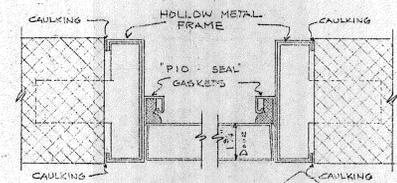
ROOM FINISH SCHEDULE								
ROOM NO.	FLOOR ELEV.	WALLS			FLOOR	CEILING	CEILING HEIGHT	BASE
		N	S	W				
01	98.0	1	1	3	1	1 & 2		
02	100.0	1	1	3	3	1 & 2		
03	100.0	—	1	3	3	1 & 2		
04	100.0	1	1	1	3	1 & 2		
101	114.5	2	2	2	2	1 & 2		1
102	114.5	2	2	2	2	2	1 & 2	1
103	114.5	2	2	2	2	2	1 & 2	1
104	114.5	2	2	2	2	1	1 & 2	1
105	114.5	2	2	2	2	1	1 & 2	1
106	114.5	2	2	2	2	2	1 & 2	1
107	114.5	2	2	2	2	2	1 & 2	1
108	114.5	2	2	2	2	1	1 & 2	1
109	114.5	2	2	2	2	1	1 & 2	1
201	130.0	2	2	2	2	2	4	12'-0"
202	130.0	2	2	2	2	3	2 & 3	
203	130.0	2	2	2	2	1	2 & 3	
204	130.0	2	2	2	2	2	4	12'-0"
205	130.0	2	2	2	2	2	4	12'-0"
206	130.0	2	2	2	2	2	4	12'-0"
207	130.0	2	2	2	2	4	4	12'-0"
208	130.0	2	2	2	2	4	4	12'-0"
209	130.0	2	2	2	2	4	4	12'-0"
210	130.0	2	2	2	2	4	4	12'-0"
211	130.0	2	2	2	2	4	4	12'-0"
212	130.0	2	2	2	2	2	4	12'-0"

FLOORS	WALLS
1. CONCRETE WOOD FLOAT & HARDENER.	1. CONCRETE EPOXY COATING WITH GLAZE.
2. VINYL ASBESTOS TILE	2. GLAZED WALL FINISH-MASONRY UNITS.
3. 3"x6" QUARRY TILE OVER CONC. GROUT.	3. CONC. MASONRY UNITS EPOXY COATING WITH GLAZE.
4. CERAMIC TILE	4. CERAMIC TILE
CEILING	BASE
1. CONCRETE EPOXY COATED NO GLAZE	1. GLAZED WALL FINISH-MASONRY UNITS.
2. STEEL PAINTED	
3. METAL DECK PAINTED	
4. SUSPENDED ACOUSTICAL TILE	

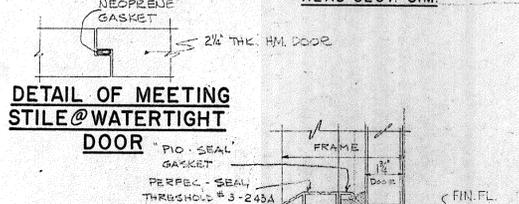
**SECTION A**  
SCALE: 1/8" = 1'-0"



**SECTION B**  
SCALE: 1/8" = 1'-0"



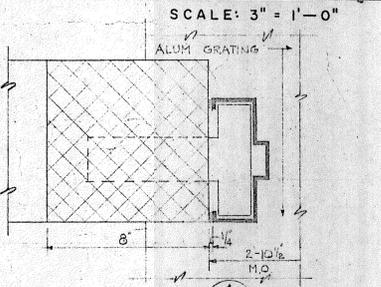
**JAMB SECTION**  
HEAD SECT. SIM.



**DETAIL OF MEETING STILE @ WATERTIGHT DOOR**

**THRESHOLD DETAIL**  
NOTE: WATERTIGHT GASKETS TYPICAL

**DETAILS OF GAS TIGHT DOOR FRAMES**



**DETAIL**  
SCALE: 3/8" = 1'-0"

DOOR NO.	DOOR SCHEDULE					
	(1)	(2)	(3), (6)	(4), (5)	(7), (27)	(8)
MATERIAL	HOLLOW METAL	HOLLOW METAL	ALUMINUM	ALUMINUM	HOLLOW METAL	ALUMINUM
DOOR ELEV.	8'-0"	5'-0"	3'-0"	8'-0"	6'-0"	6'-0"
THRESHOLD	B LABEL	DOUBLE ACTING B LABEL	ALUMINUM	ALUMINUM	B LABEL w/ PANIC HWARE #7	ALUMINUM
REMARKS			1/2 PANIC HWARE	PANIC HARDWARE	B LABEL w/ PANIC HWARE #7	

- NOTES:**
- ALL GLASS IN DOORS TO BE CLEAR WIRE GLASS
  - NO ALLOWANCE IS MADE IN DOOR HEIGHTS FOR UNDERCUTS OR THRESHOLDS
  - ALL DOOR FRAMES WHERE TILE FLOORS OCCUR SHALL GO DOWN TO CONCRETE SLAB UNDER TILE.
  - DOORS 2", 7", 15", 18", 19" TO HAVE GAS TIGHT GASKETS @ HEAD, JAMBS & SILL.
  - FOR DETAILS OF GAS TIGHT GASKETS SEE DETAIL # 113
  - ALL DOORS TO BE 1 3/4" THICK.
  - ALL EXTERIOR DOORS TO BE WEATHERSTRIPPED
  - DOORS #11, 17, 21, 22, 24 SHALL HAVE ALUM SADDLES

DOOR NO.	DOOR SCHEDULE											
	(9)	(10)	(12)	(23)	(11), (13), (14), (15), (17), (18)	(16)	(19)	(21)	(22)	(24)	(25)	(26)
MATERIAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	H.M.	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	HOLLOW METAL	ALUMINUM
DOOR ELEV.	8'-0"	2'-0"	3'-0"	3'-0"	3'-0"	5'-0"	7'-0"	2'-0"	2'-0"	2'-0"	2'-0"	3'-0"
THRESHOLD												
REMARKS		UNDERCUT 1"		1/2 PANIC HWARE		B LABEL w/ PANIC HARDWARE		UNDERCUT 1" @ DOORS #1, 22, 24				PANIC HARDWARE

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

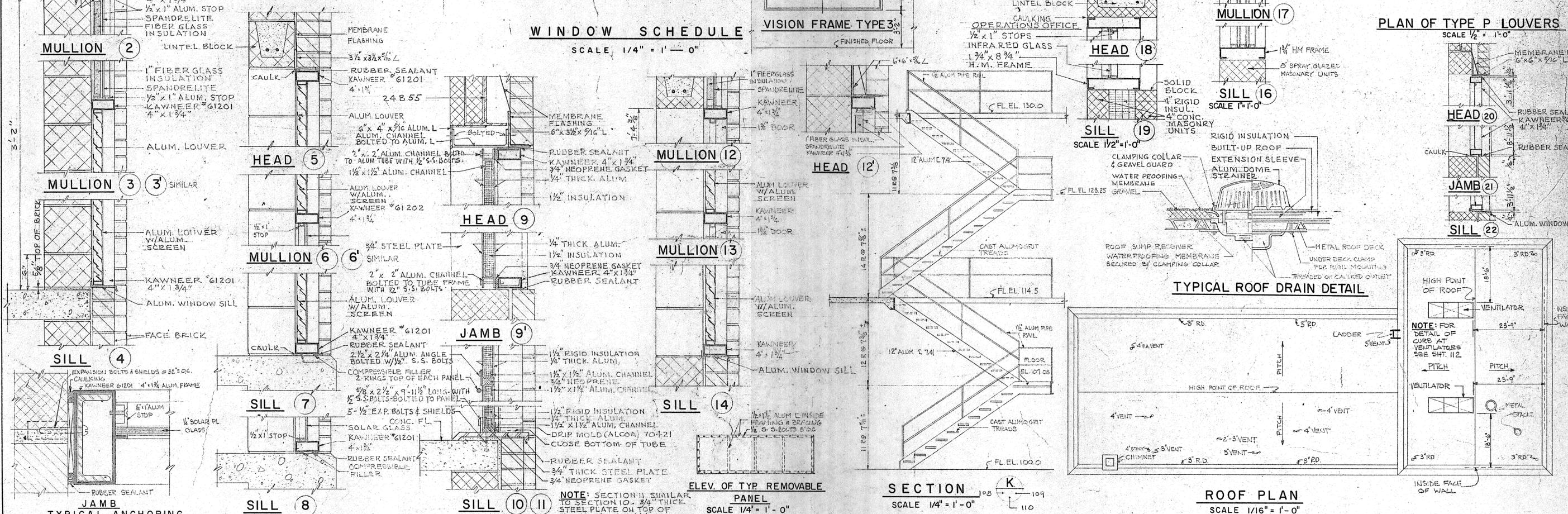
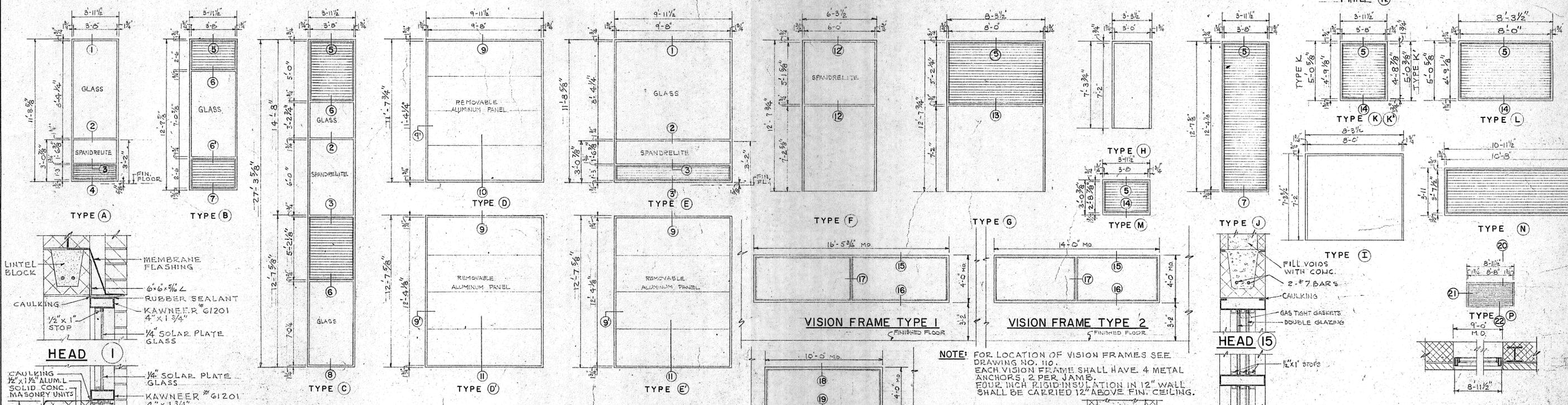
DRAWN: H. SAMSON, J. BRAUNROTH    DESIGNED: R. HAMILTON  
 CHECKED: R. HAMILTON    APPROVED: P. T. CARVER  
 DATE: AUGUST, 1970

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

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
**ARCHITECTURAL CROSS SECTIONS-SCHEDULES-DETAILS**

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. **113**

**NOTE:**  
ALL LOUVERS TO HAVE ALUMINUM INSECT SCREENS.



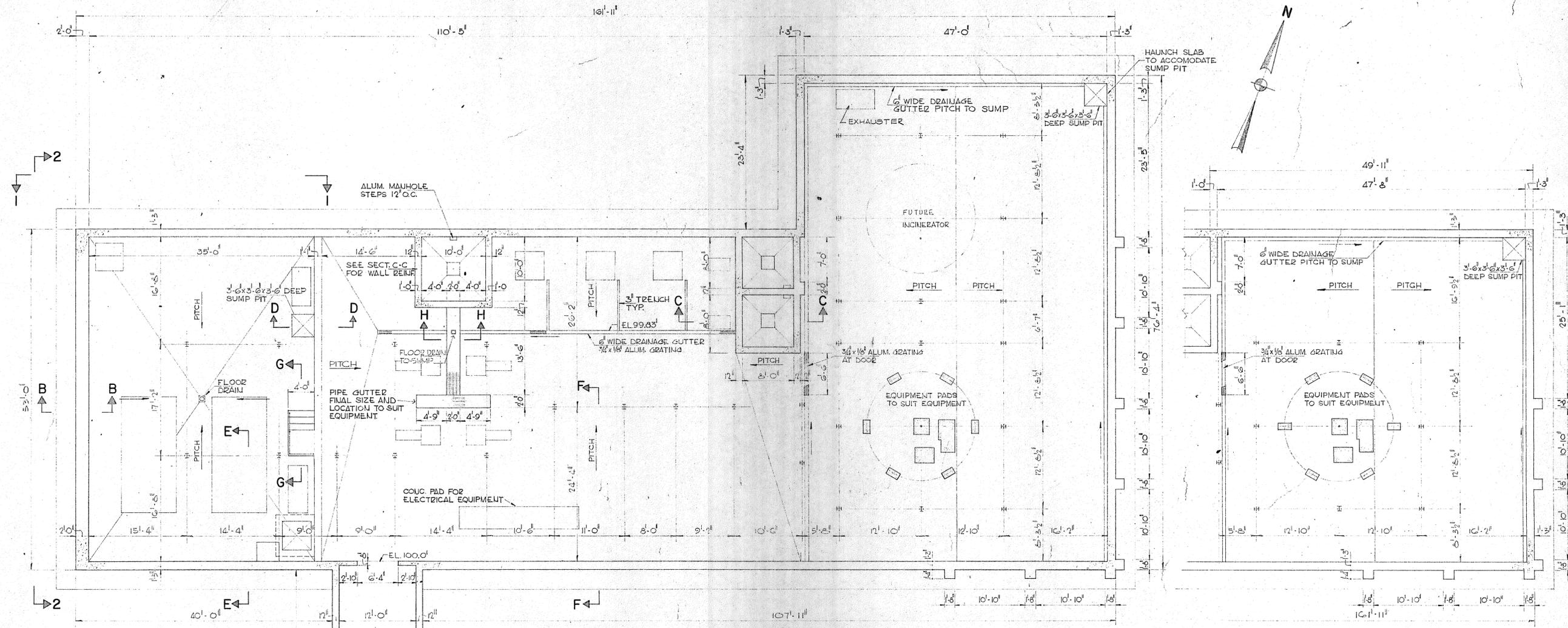
REVISION NUMBER	DESCRIPTION	INT.	DATE	REVISION NUMBER	DESCRIPTION	INT.	DATE

DRAWN: J. BRAUNROTH CHECKED: R. HAMILTON DATE: AUGUST, 1970	DESIGNED: R. HAMILTON APPROVED: P.T. CARVER
CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.	
APPROVED	

TOWN OF STRATFORD, CONNECTICUT SYSTEM OF SEWERS CONTRACT NO. 2 SLUDGE DEWATERING-INCINERATION BUILDING	SCALE AS NOTED C. A. M. NO. 1165 DRAWING NO. 114
ARCHITECTURAL MISCELLANEOUS DETAILS	

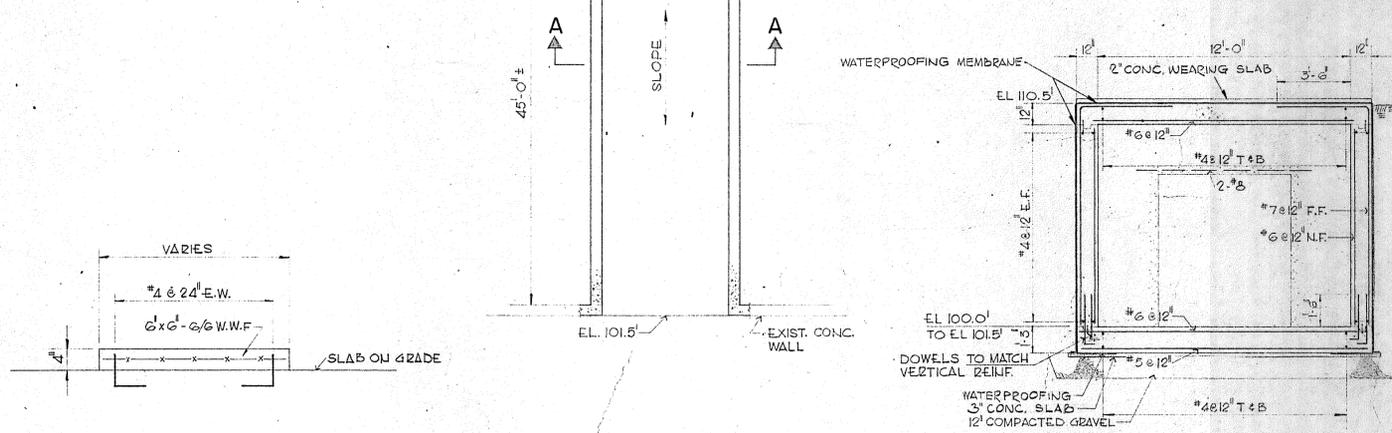


**PLAN AT ELEVATION 100.0**

SCALE 1/8" = 1'-0"

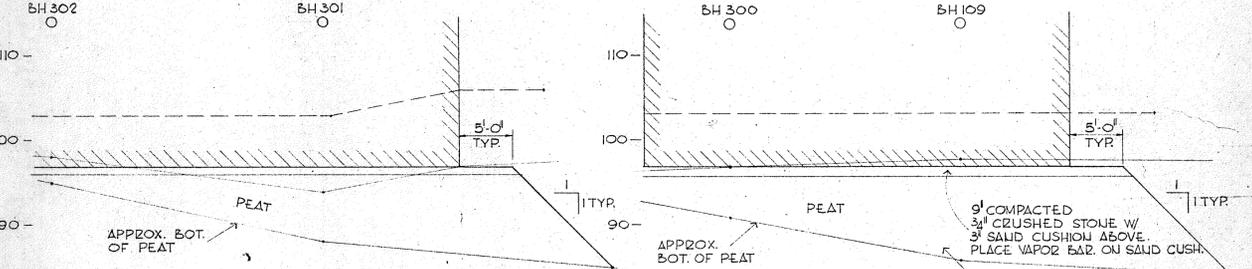
**ALTERNATE PLAN AT ELEVATION 100.0**

SCALE 1/8" = 1'-0"



**SECTION A-A**

SCALE 1/4" = 1'-0"



**SECTION 1-1**  
NOT TO SCALE

**SECTION 2-2**  
NOT TO SCALE

**TYPICAL DETAIL FOR CONCRETE EQUIPMENT PADS**  
NOT TO SCALE

**NOTES:**

1. SECTIONS B,C,D,E,F,G & H SEE DWG. #121
2. TYPICAL STRUCTURAL DETAILS AND GENERAL STRUCTURAL NOTES SEE DWG. #14
3. FINAL SIZE AND LOCATION OF ALL CONCRETE PADS FOR BOILERS, PUMPS, COMPRESSORS, TANKS, ELECTRICAL PANELS, ETC., SHALL BE DETERMINED BY TYPE OF EQUIPMENT PURCHASED.
4. FOR REFERENCE SEE ARCHITECTURAL DWG. #108
5. PIPE OPENINGS SEE HYD. DWG. #95
6. WATERPROOFING DETAILS SEE DWG. #14

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

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

**CHARLES A. MAGUIRE & ASSOCIATES**  
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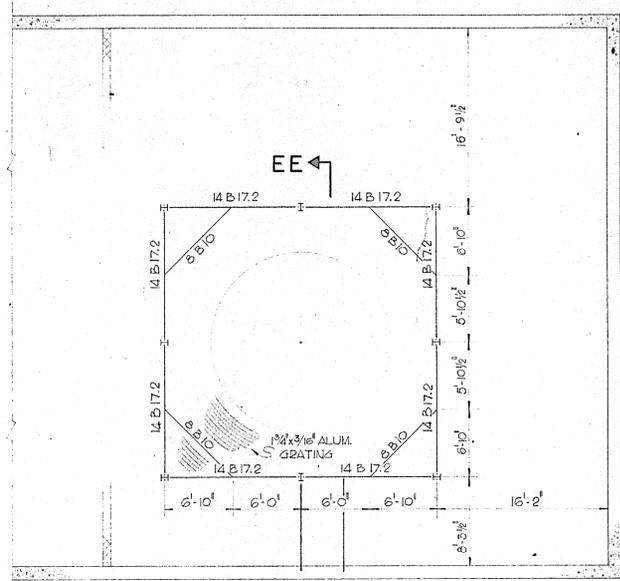
APPROVED \_\_\_\_\_  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
**SLUDGE DEWATERING-INCINERATION BUILDING**  
**STRUCTURAL**  
**PLAN AT ELEVATION 100.0**

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. **115**

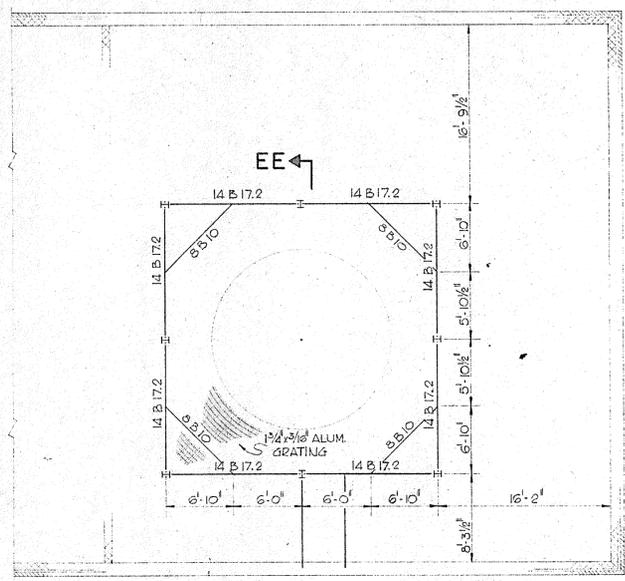
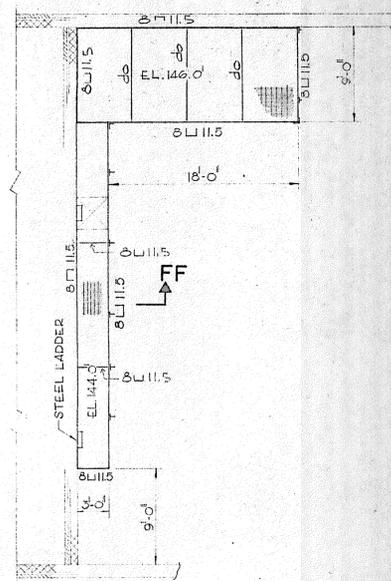






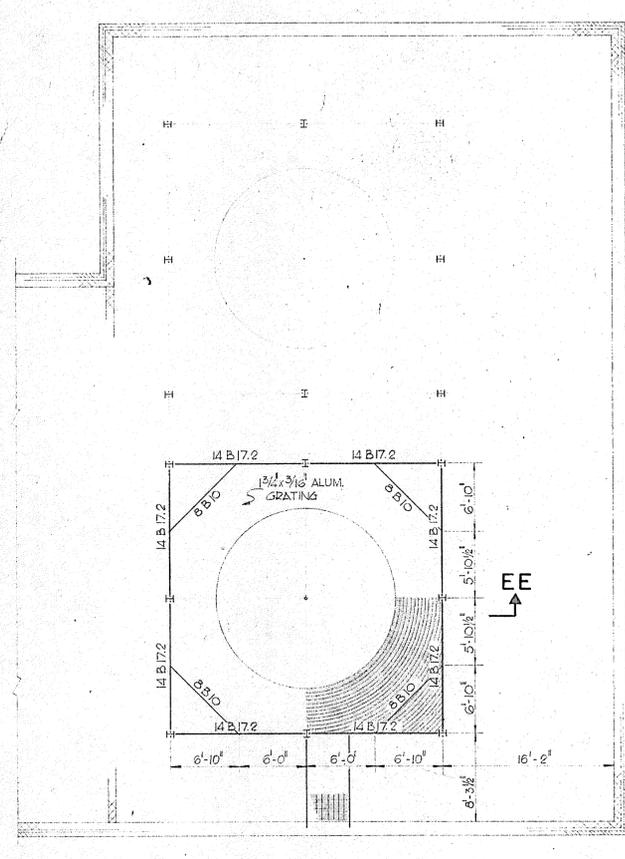
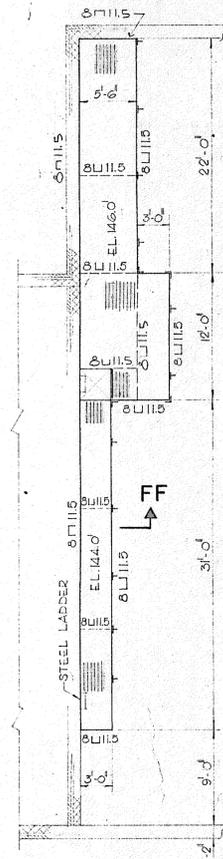
**ALTERNATE PLAN AT ELEVATION 107.08'**

SCALE: 1/8" = 1'-0"  
TOP OF STEEL EL. 106'-11 1/2"



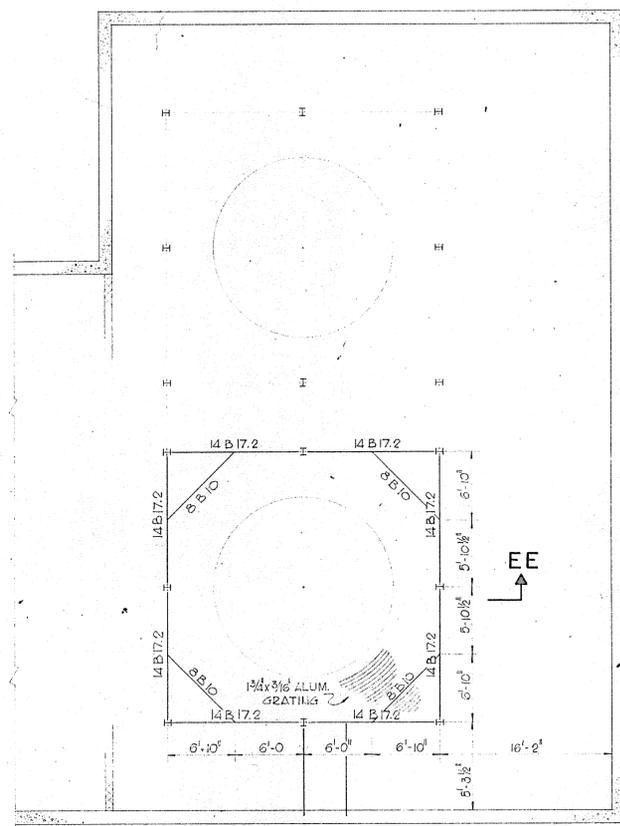
**ALTERNATE PLAN AT ELEVATION 123.25'**

SCALE: 1/8" = 1'-0"  
TOP OF STEEL EL. 123'-1 1/4"



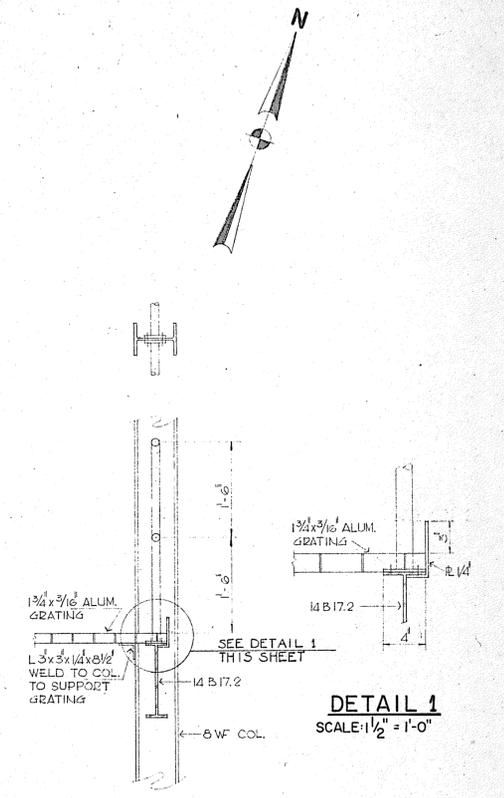
**GRATING PLAN AT ELEVATION 123.25'**

SCALE: 1/8" = 1'-0"  
TOP OF STEEL EL. 123'-1 1/4"



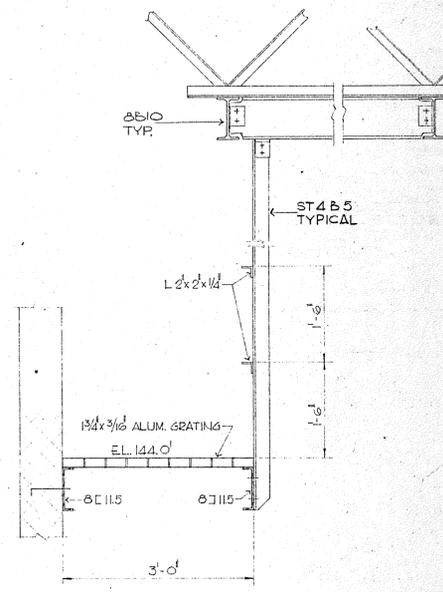
**GRATING PLAN AT ELEVATION 107.08'**

SCALE: 1/8" = 1'-0"  
TOP OF STEEL EL. 106'-11 1/2"



**SECTION EE-EE**  
SCALE: 3/4" = 1'-0"

**DETAIL 1**  
SCALE: 1 1/2" = 1'-0"



**SECTION FF-FF**  
SCALE: 3/4" = 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**

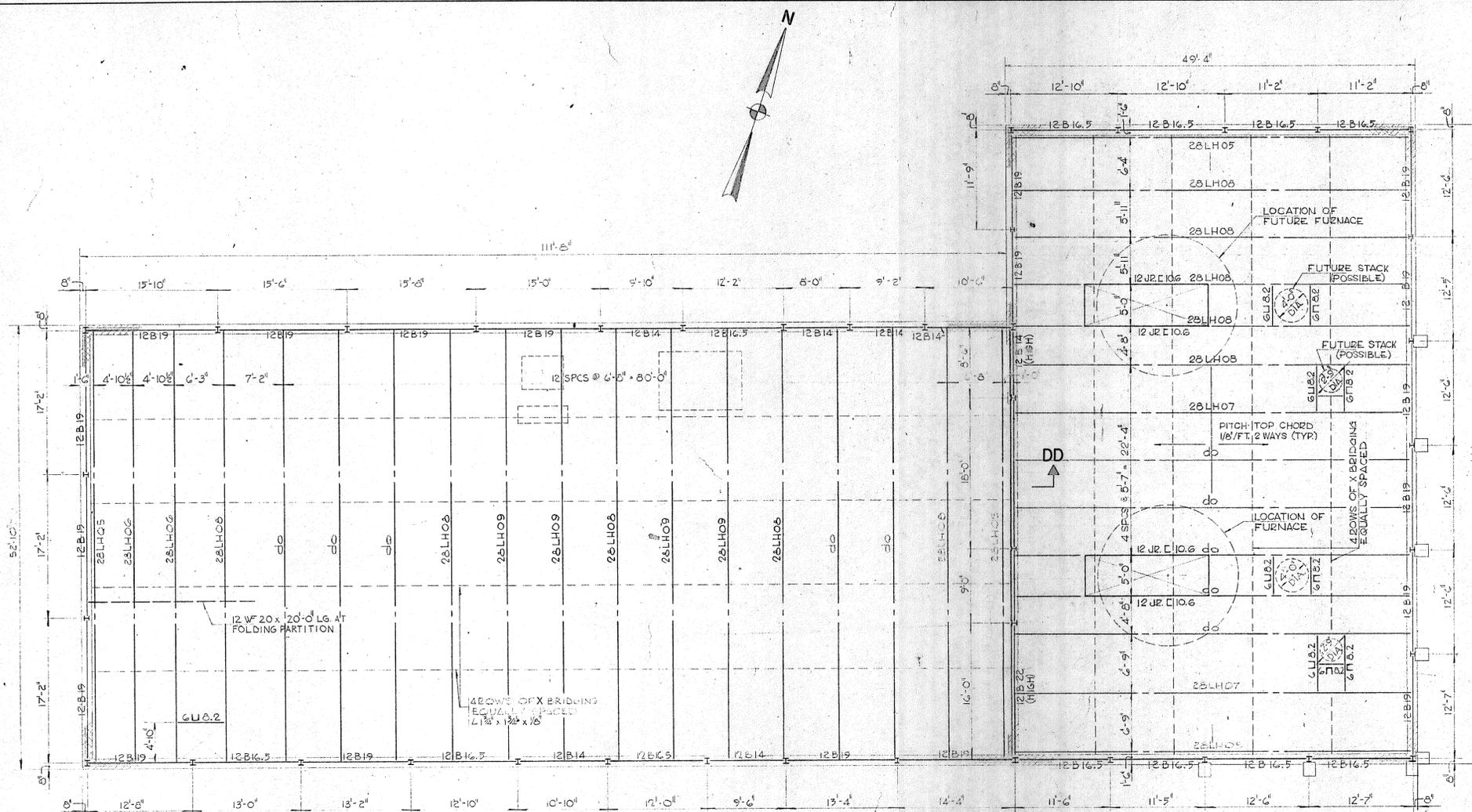
PROVIDENCE, R.I.    WETHERSFIELD, CONN.    BOSTON, MASS.

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TOWN OF STRATFORD

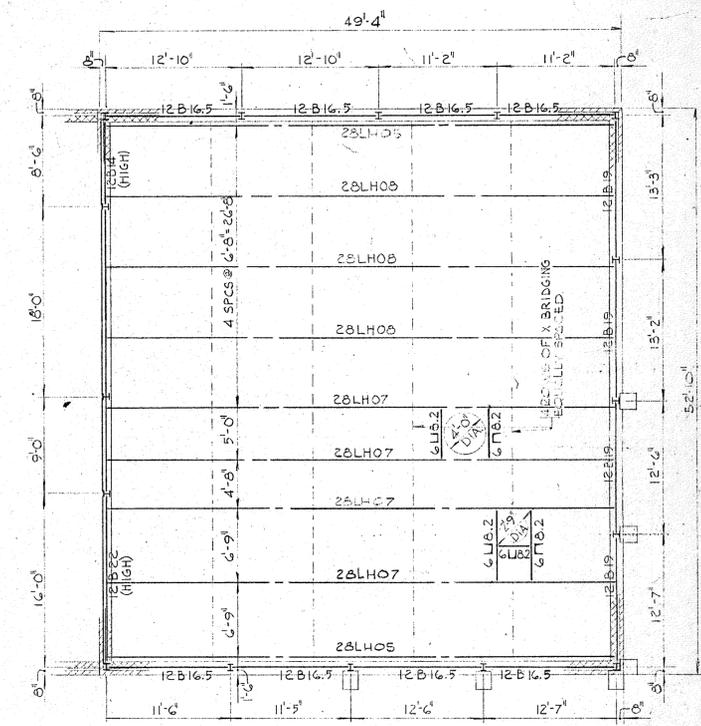
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 RAW SEWAGE PUMPING STATION AND INLET WORKS  
**STRUCTURAL GRATING PLANS**

SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. **118**



**ROOF FRAMING PLAN**  
SCALE 1/8"=1'-0"

TOP OF STEEL EL. 147'-7 3/4"  
TOP OF STEEL EL. 159'-7 3/8"



**ALTERNATE ROOF FRAMING PLAN**  
SCALE 1/8"=1'-0"

TOP OF STEEL EL. 159'-7 3/8" (UNLESS NOTED)

- NOTES:**
1. SECTION DD SEE DWG. No. 120
  2. GENERAL STRUCTURAL NOTES AND TYPICAL STRUCTURAL DETAILS SEE DWG. No. 14
  3. FOR REFERENCE SEE ARCH. DWG. # 14
  4. FOR PIPING SEE HYDRAULIC AND PLUMBING DRAWINGS

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**  
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 TOWN OF STRATFORD

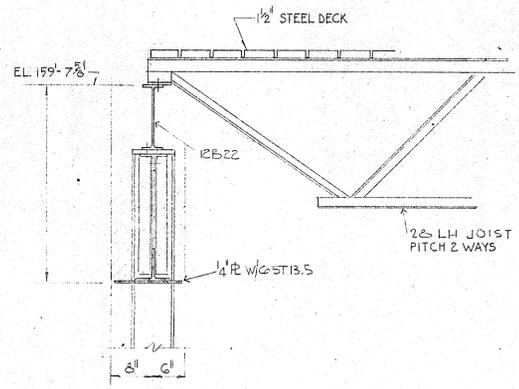
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

SLUDGE DEWATERING-INCINERATION BUILDING  
**STRUCTURAL**  
**ROOF FRAMING PLAN**

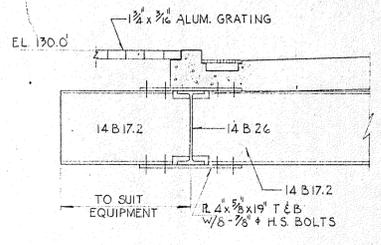
SCALE  
AS NOTED

C. A. M. NO. 1165

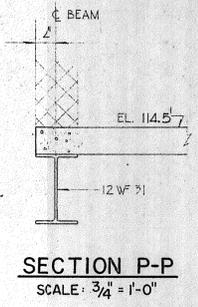
DRAWING NO.  
**119**



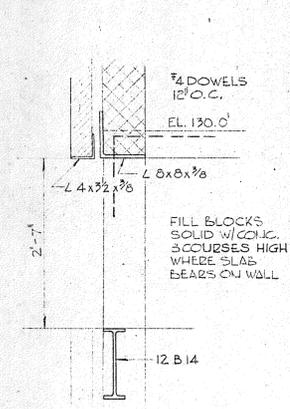
**SECTION DD-DD**  
SCALE: 3/4" = 1'-0"



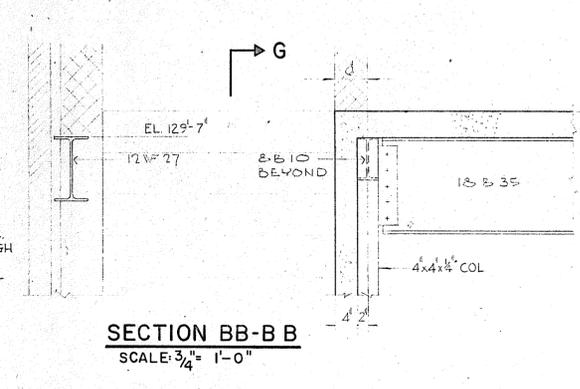
**SECTION X-X**  
SCALE: 3/4" = 1'-0"



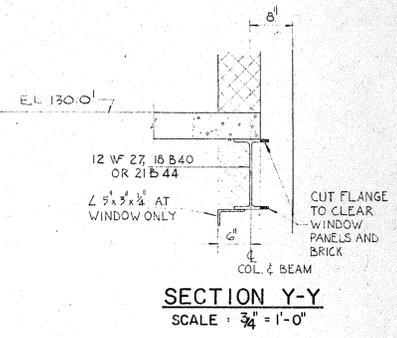
**SECTION P-P**  
SCALE: 3/4" = 1'-0"



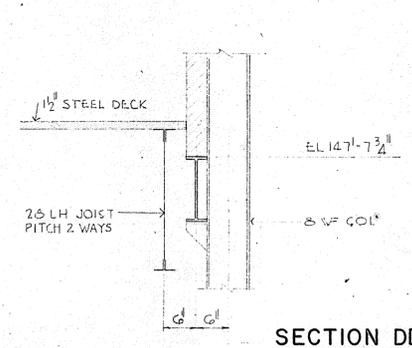
**SECTION CC-CC**  
SCALE: 3/4" = 1'-0"



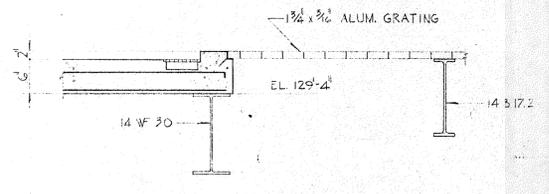
**SECTION BB-BB**  
SCALE: 3/4" = 1'-0"



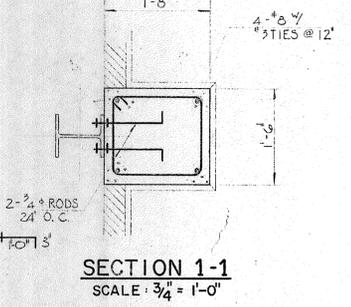
**SECTION Y-Y**  
SCALE: 3/4" = 1'-0"



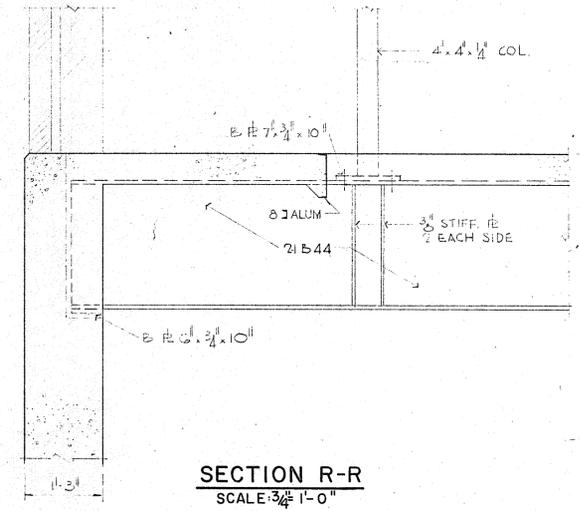
**SECTION S-S**  
SCALE: 3/4" = 1'-0"



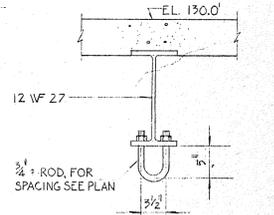
**SECTION T-T**  
SCALE: 3/4" = 1'-0"



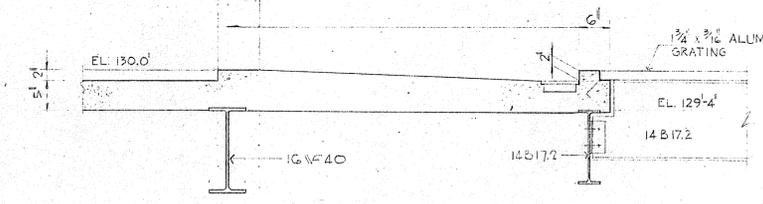
**SECTION 1-1**  
SCALE: 3/4" = 1'-0"



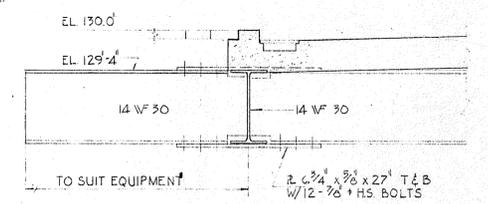
**SECTION R-R**  
SCALE: 3/4" = 1'-0"



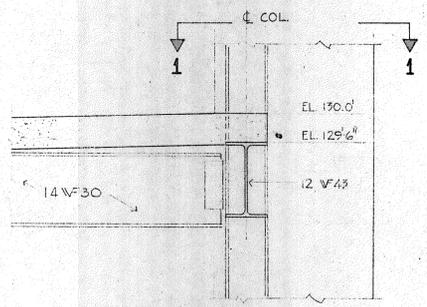
**SECTION AA-AA**  
SCALE: 1" = 1'-0"



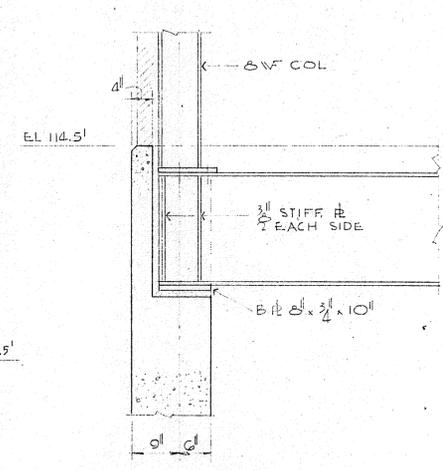
**SECTION V-V**  
SCALE: 3/4" = 1'-0"



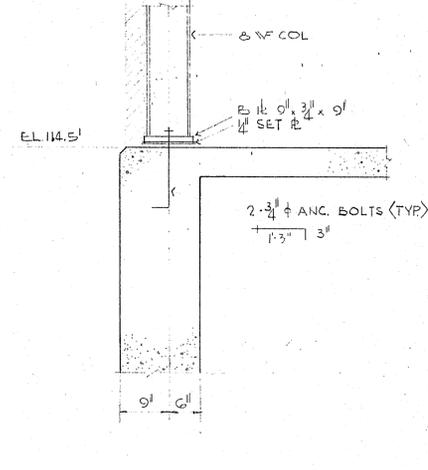
**SECTION W-W**  
SCALE: 3/4" = 1'-0"



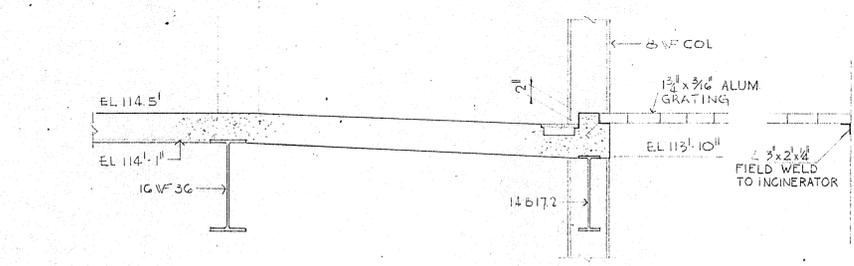
**SECTION L-L**  
SCALE: 3/4" = 1'-0"



**SECTION M-M**  
SCALE: 3/4" = 1'-0"



**SECTION N-N**  
SCALE: 3/4" = 1'-0"



**SECTION K-K**  
SCALE: 3/4" = 1'-0"

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

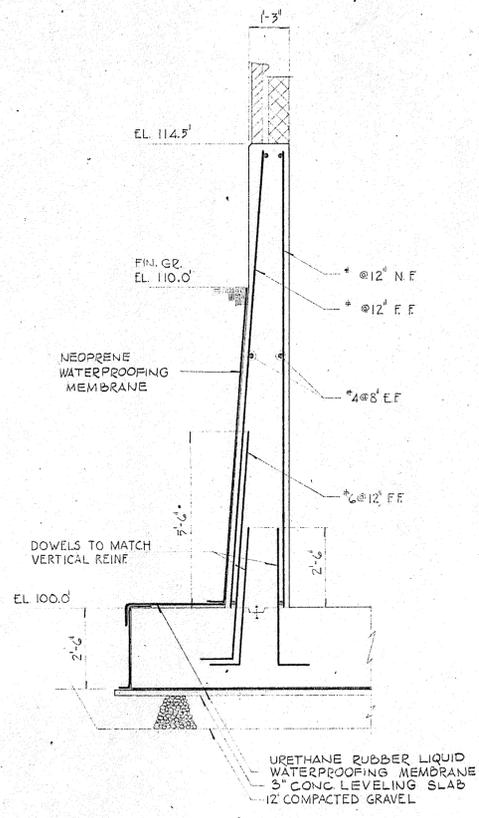


DRAWN: V. SYLVIA DESIGNED: C. HIRSCH  
 CHECKED: V. SYLVIA APPROVED: C. HIRSCH  
 DATE: AUGUST, 1970  
 CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS  
 PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

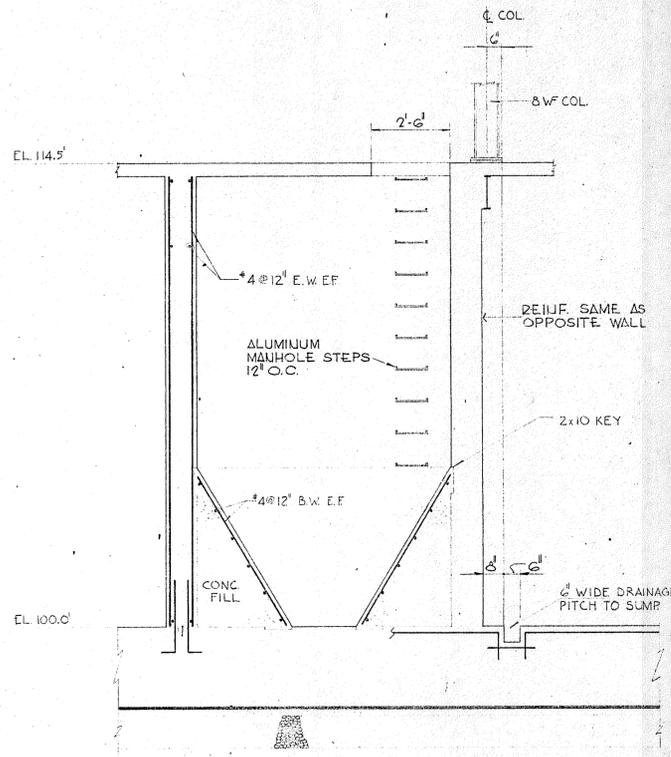
APPROVED  
 TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
 SYSTEM OF SEWERS  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
 STRUCTURAL SECTIONS

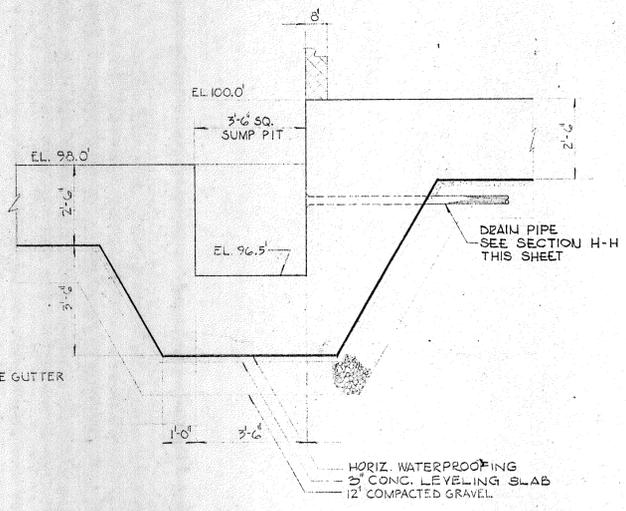
SCALE AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO. 120



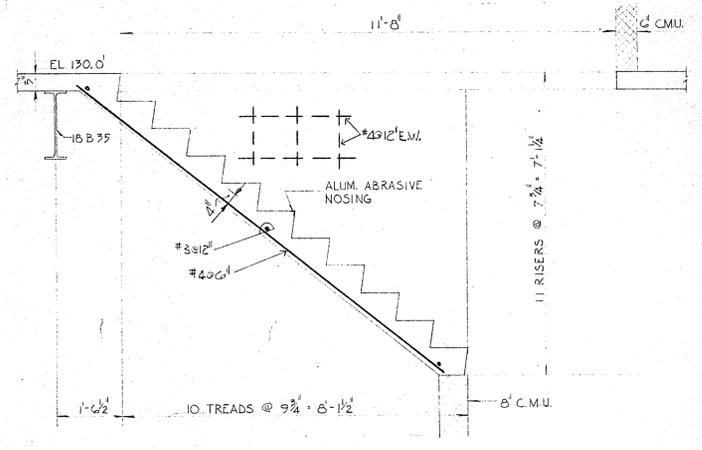
**SECTION B-B**  
SCALE: 3/8" = 1'-0"



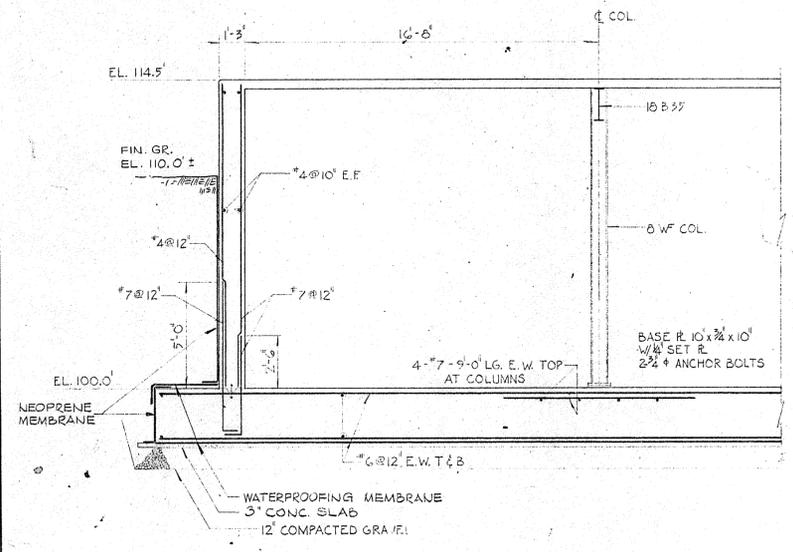
**SECTION C-C**  
SCALE: 3/8" = 1'-0"



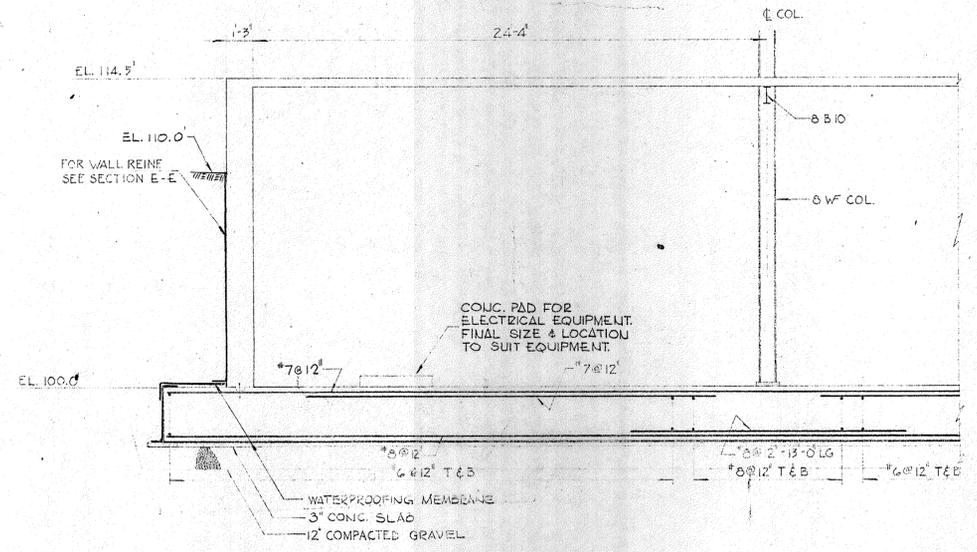
**SECTION D-D**  
SCALE: 3/8" = 1'-0"



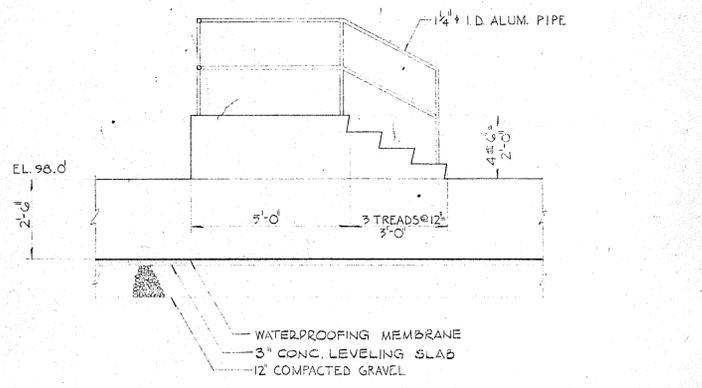
**SECTION J-J**  
SCALE: 1/2" = 1'-0"



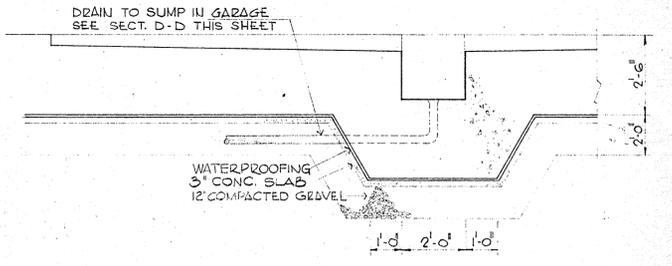
**SECTION E-E**  
SCALE: 1/4" = 1'-0"



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



**SECTION G-G**  
SCALE: 3/8" = 1'-0"



**SECTION H-H**  
SCALE: 3/8" = 1'-0"

- NOTES:**
1. TYPICAL DETAILS & GENERAL NOTES SEE DWG. No. 14
  2. WATERPROOFING DETAILS SEE TYP. DETAILS DWG. No. 14
  3. FOR REFERENCE SEE ARCH. DRAWINGS DWG. No. 10
  4. FOR PIPING SEE HYD. & PLUMBING DRAWINGS.

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



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

**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS

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

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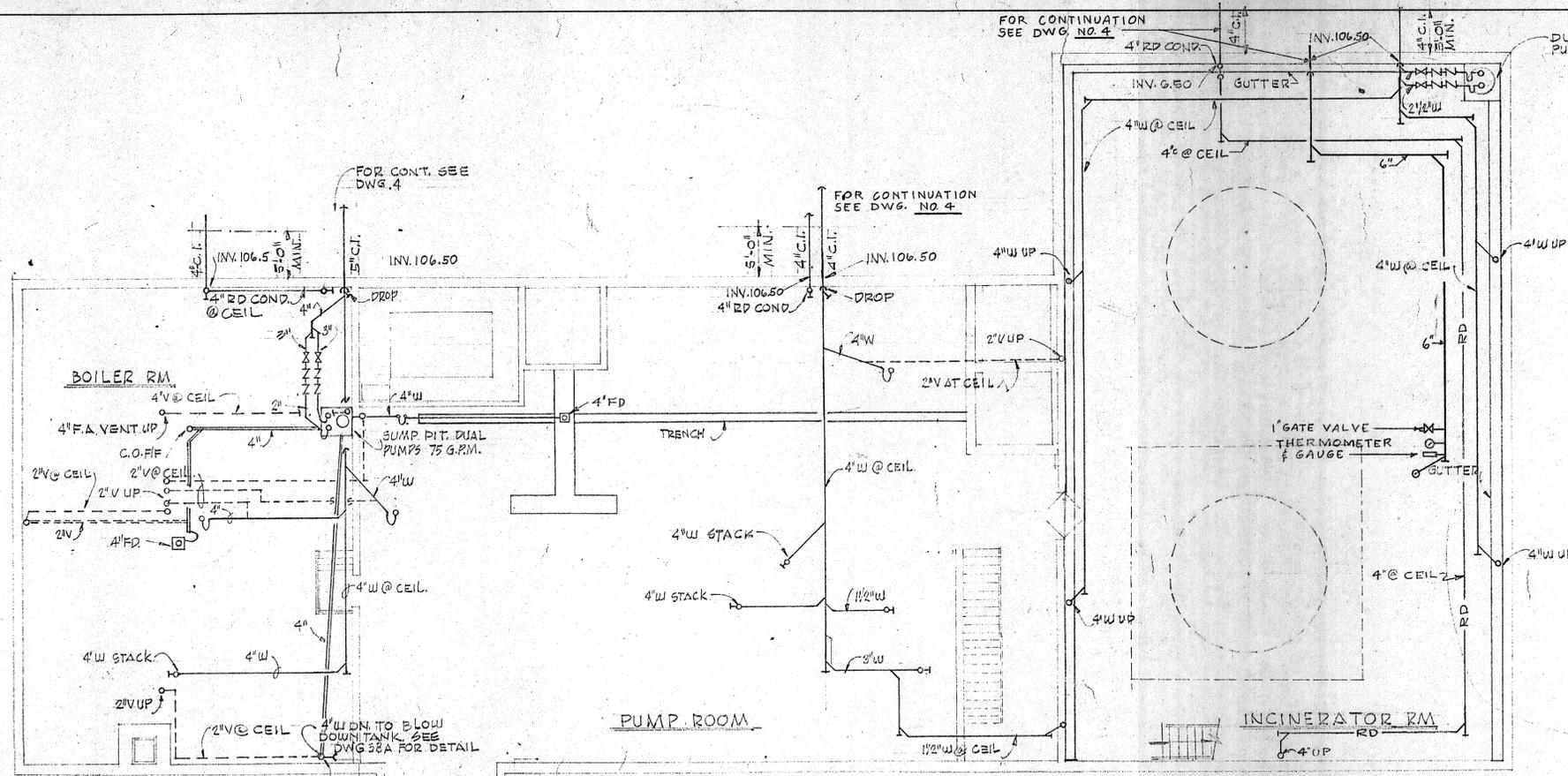
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2  
 SLUDGE DEWATERING-INCINERATION BUILDING  
**STRUCTURAL**  
 SECTIONS

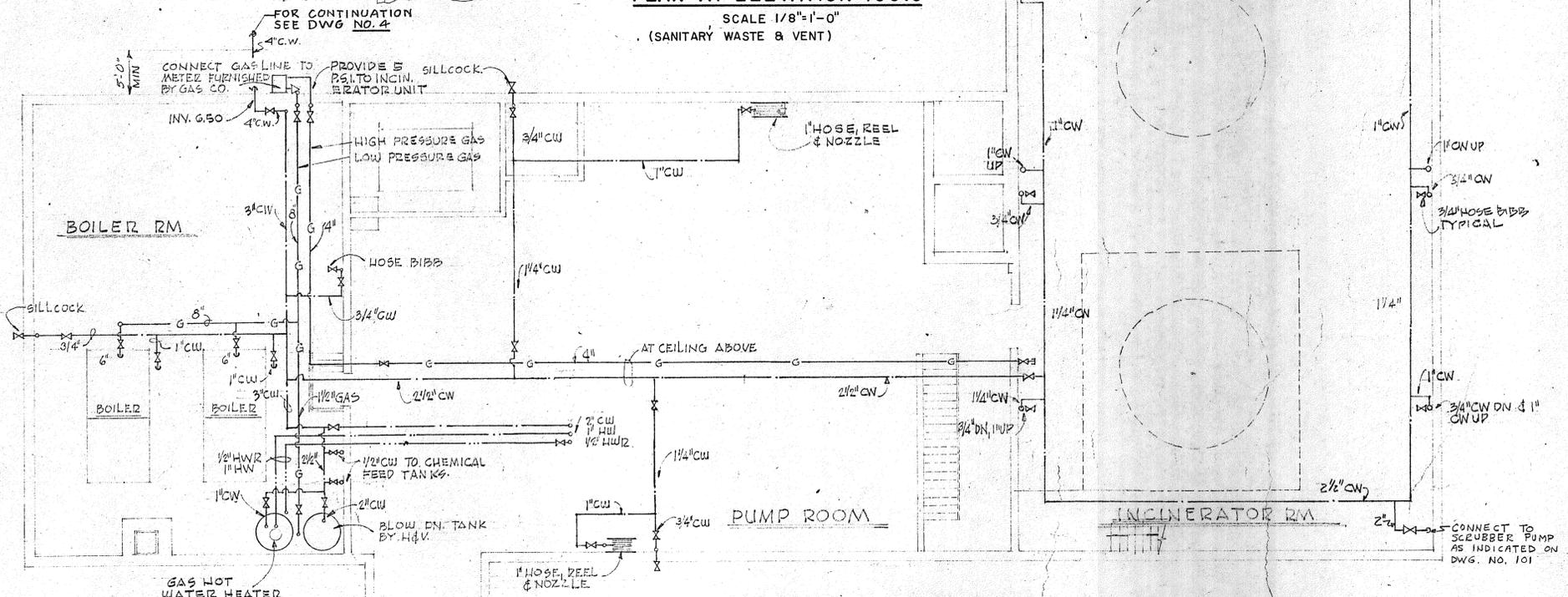
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 AS NOTED

C. A. M. NO. 1165

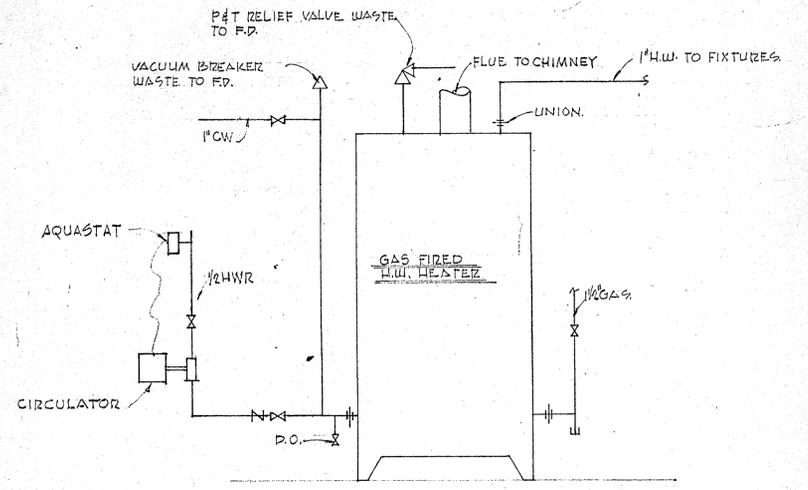
DRAWING NO.  
**121**



**PLAN AT ELEVATION 100.0**  
SCALE 1/8"=1'-0"  
(SANITARY WASTE & VENT)



**PLAN AT ELEVATION 100.0**  
SCALE 1/8"=1'-0"  
(WATER & GAS)



**GAS FIRED H.W. HEATER**  
NO SCALE

**LEGEND**

- W SANITARY WASTE UNDER FLOOR.
- W SANITARY WASTE.
- V SANITARY VENT
- CW COLD WATER
- HW HOT WATER.
- HW/R HOT WATER RETURN.
- G GAS
- CO CLEAN OUT
- CO/F CLEAN OUT FLUSH W/ WALL.
- CO/F/F CLEAN OUT FLUSH W/FLOOR, OR GROUND.
- F.D. FLOOR DRAIN W/ BACK WATER VALVE.
- C.I. CAST IRON.
- R.D. ROOF DRAIN.
- Electrolyte Discharge (HOT)
- Electrolyte Discharge (COLD)
- PLANT PROCESS WATER
- PLUMBING FIXTURE (SEE DWG. 123)

**GENERAL NOTES:**

1. PIPING IS SHOWN DIAGRAMMATICALLY AND SHALL BE RUN CONCEALED EXCEPT AS OTHERWISE NOTED. PIPING SHALL BE SO LOCATED TO CLEAR ALL DUCTWORK, HEATING, PIPING, ELECTRICAL FIXTURES AND ALL OTHER OBSTRUCTIONS.
2. PLUMBER SHALL FURNISH AND INSTALL ALL ACCESS PANELS NECESSARY TO GET AT ALL VALVES, TRAPS, CLEANOUTS ETC.
3. MOUNTING HEIGHT FOR FIXTURES SHALL BE STANDARD UNLESS OTHERWISE INDICATED ON ARCHITECTURAL DWG. NO.
4. AIR CHAMBERS SHALL BE INSTALLED AT ENDS OF ALL BRANCHES AND WHEREVER ELSE REQUIRED TO ELIMINATE HAMMERING.
5. COORDINATE ALL ROOF DRAINS & VENTS THRU ROOF FOR EXACT LOCATION WITH CONTRACTOR.
6. ALL DRINKING FOUNTAINS SHALL BE HALSEY-TAYLOR STAINLESS STEEL MODEL WM14A OR EQUAL WITH TRAP SUPPLY AND STOPS.
7. ALL PIPING, DUCT AND OTHER PENETRATIONS THROUGH WALLS, FLOORS ETC. SHALL BE SLEEVED AND CAULKED GAS AND WATER TIGHT WITH LEAD.
8. PROVIDE 3/4" MINIMUM COPPER DRAIN PIPING FOR ALL SEWAGE AND SLUDGE PUMPS.
9. PROVIDE ON COLD WATER SUPPLY TO ALL EMERGENCY GENERATOR, AMOT THERMOSTATIC VALVES WITH SENSING ELEMENT TO MAINTAIN GENERATOR JACKET TEMPERATURE FROM 120°F TO 160°F. VALVE SIZE AND TEMPERATURE RANGE SHALL BE AS RECOMMENDED BY GENERATOR MFG.
10. ALL WORK SHALL BE COORDINATED WITH OPERATION OF EXISTING PLANT SO THAT SHUT-DOWN OF EXISTING PLANT IS NOT NECESSARY.
11. FOR ARCHITECTURAL SEE DWGS 102, 109 AND 110.

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



DRAWN: F. E. McKNIGHT    DESIGNED: B. W. RYLAH  
 CHECKED: D. C. RAICHE    APPROVED: T. L. CARVOUNIS  
 DATE: AUGUST, 1970

**CHARLES A. MAGUIRE & ASSOCIATES**  
 ENGINEERS

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

APPROVED

TOWN OF STRATFORD

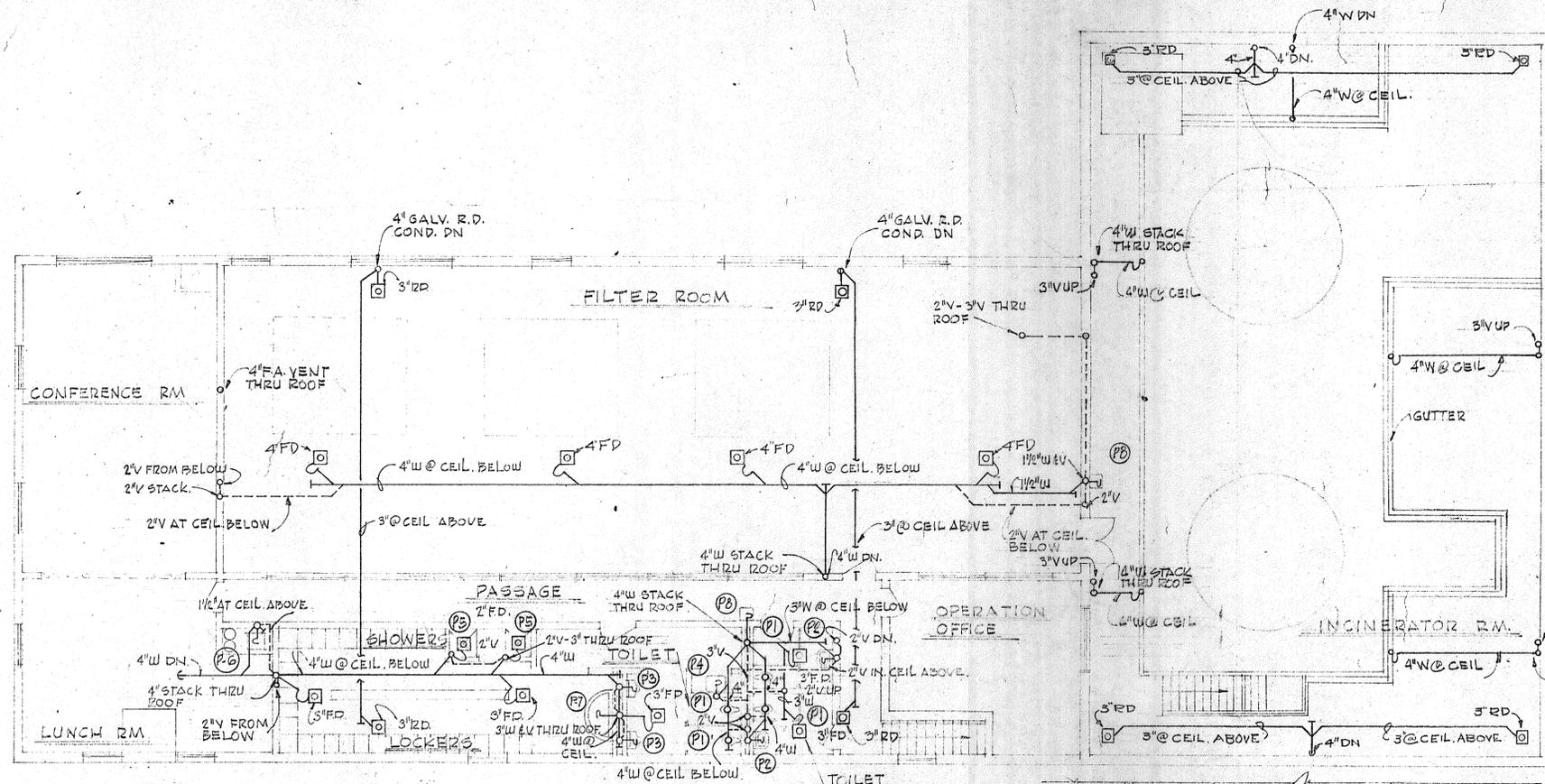
TOWN OF STRATFORD, CONNECTICUT  
**SYSTEM OF SEWERS**  
 CONTRACT NO. 2

SLUDGE AND DEWATERING INCINERATION BUILDING  
**PLUMBING**  
 PLAN AND DETAILS

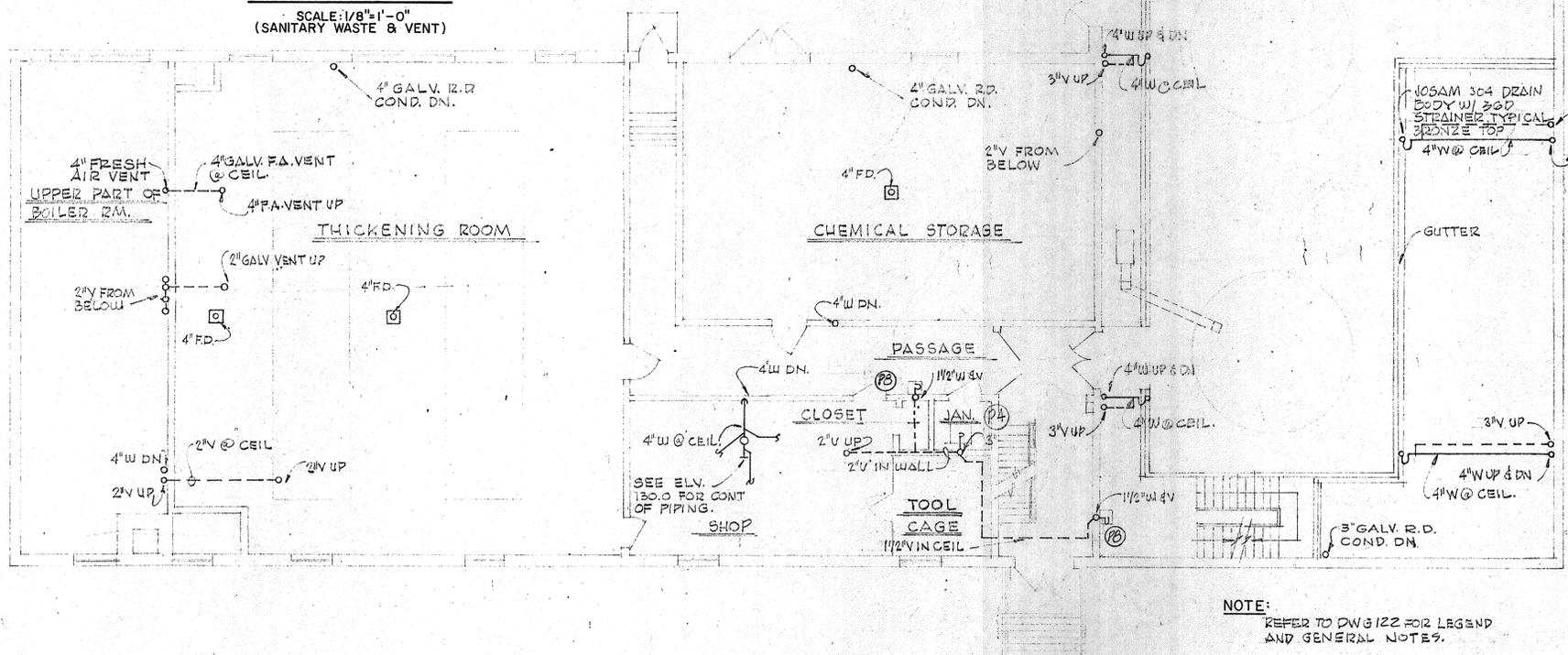
SCALE  
 AS NOTED

C. A. M. NO. 1165

DRAWING NO.  
**122**

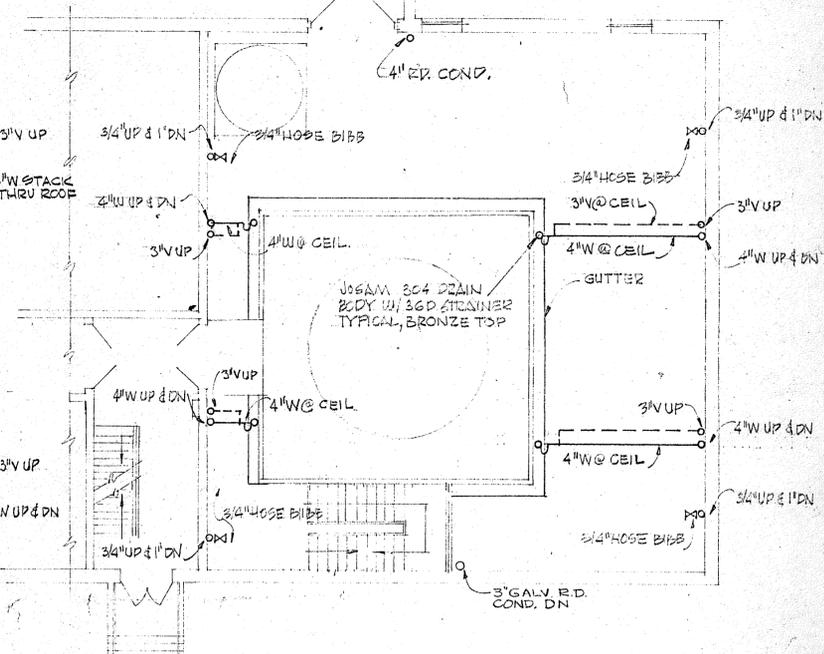


**PLAN AT EL. 130.0**  
SCALE: 1/8" = 1'-0"  
(SANITARY WASTE & VENT)

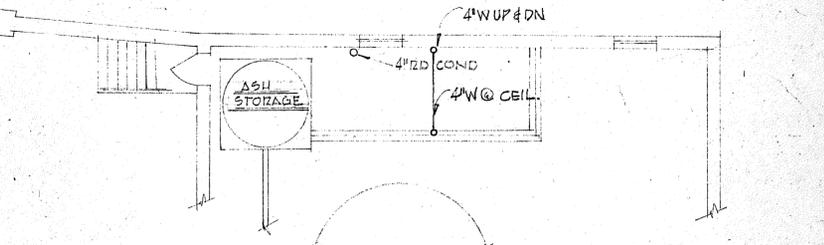


**PLAN AT EL. 114.5**  
SCALE: 1/8" = 1'-0"  
(SANITARY WASTE & VENT)

PLUMBING FIXTURES					
FIXT. NO.	DESIGNATION.	WASTE	VENT	HOT WATER	COLD WATER
(P-1)	WATER CLOSET	4"	2" OR 4"	—	1"
(P-2)	LAV.	1 1/2"	1 1/2"	1 1/2"	1 1/2"
(P-3)	URINALS	3"	2"	—	1"
(P-4)	SERVICE SINK	3"	2"	1 1/2"	1 1/2"
(P-5)	SHOWER STALL	2"	2"	1 1/2"	1 1/2"
(P-6)	KITCHEN SINK	1 1/2"	1 1/2"	1 1/2"	1 1/2"
(P-7)	SEMI WASH FOUNT.	2"	2"	3/4"	3/4"
(P-8)	DRINKING FOUNTAIN	1 1/2"	1 1/2"	—	1 1/2"



**ALTERNATE PLAN AT EL. 114.5**  
SCALE: 1/8" = 1'-0"  
(SANITARY WASTE & VENT)



**PARTIAL PLAN OF INCINERATOR ROOM**  
SCALE: 1/8" = 1'-0"  
(SANITARY WASTE)

NOTE:  
REFER TO DWG 122 FOR LEGEND  
AND GENERAL NOTES.

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



DRAWN: F.E. MCKNIGHT    DESIGNED: B.W. RYLAH  
 CHECKED: D.C. RAICHE    APPROVED: T. L. CARVOUSIN  
 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 AND DEWATERING - INCINERATION BUILDING  
 PLUMBING  
 PLAN

SCALE  
 AS NOTED  
 C. A. M. NO. 1165  
 DRAWING NO.  
 123