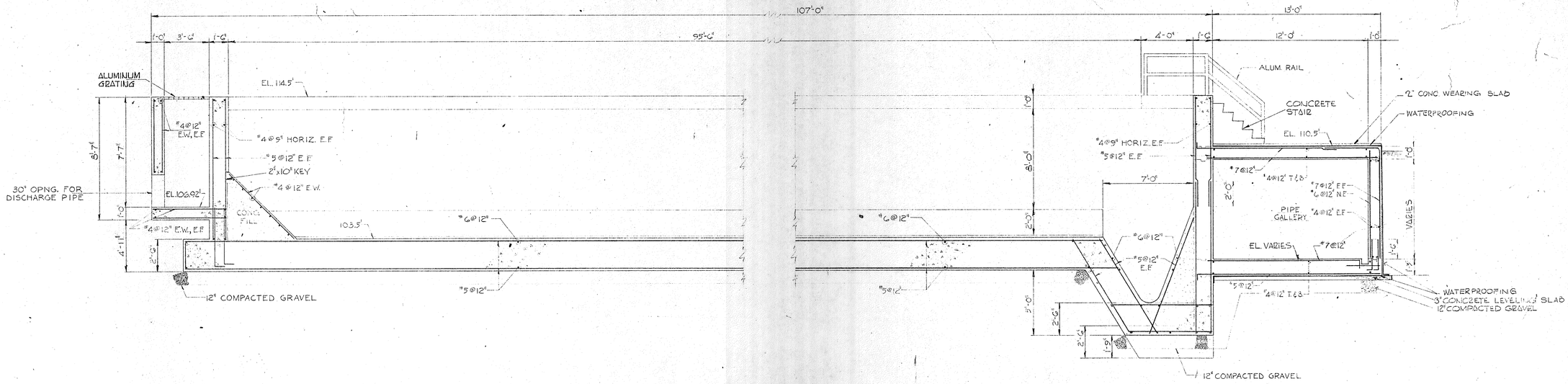
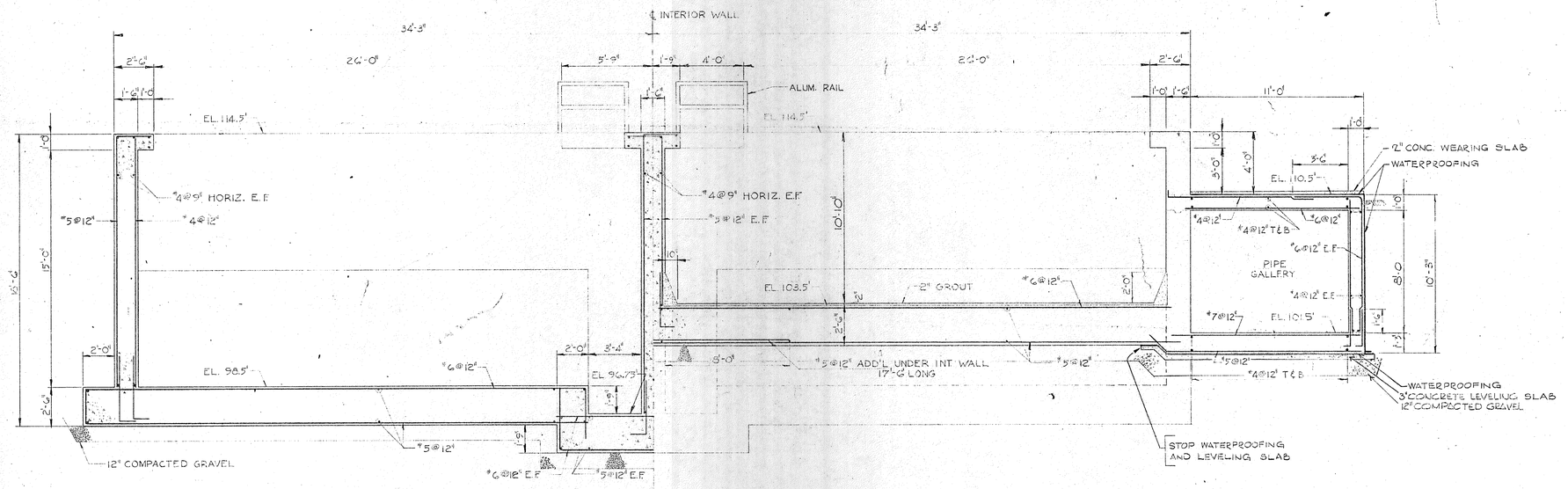



## SECTION A-A

SCALE 1/4"=1'-0"




## SECTION B-B

SCALE 1/4"=1'-0"

NOTES:

1. GENERAL STRUCTURAL NOTES AND TYPICAL STRUCTURAL DETAILS, SEE DRAWING No. 14
2. WATERPROOFING DETAILS SEE TYPICAL STRUCTURAL DETAILS DWG. No. 14

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: E. COSTA DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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

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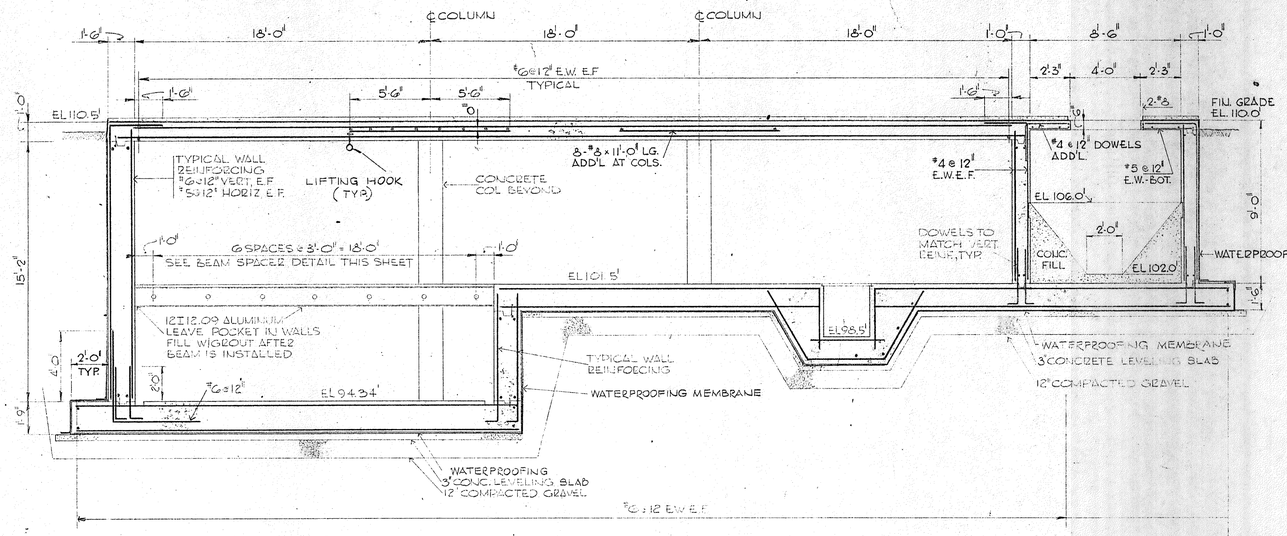
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

NEW PRIMARY SETTLING TANKS AND GALLERY
STRUCTURAL SECTIONS

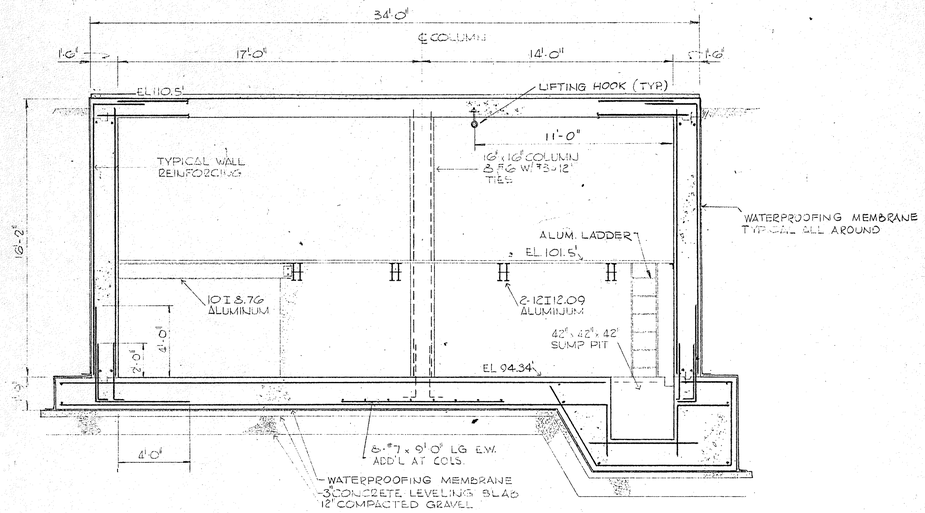
SCALE
AS NOTED

C. A. M. No. 1165

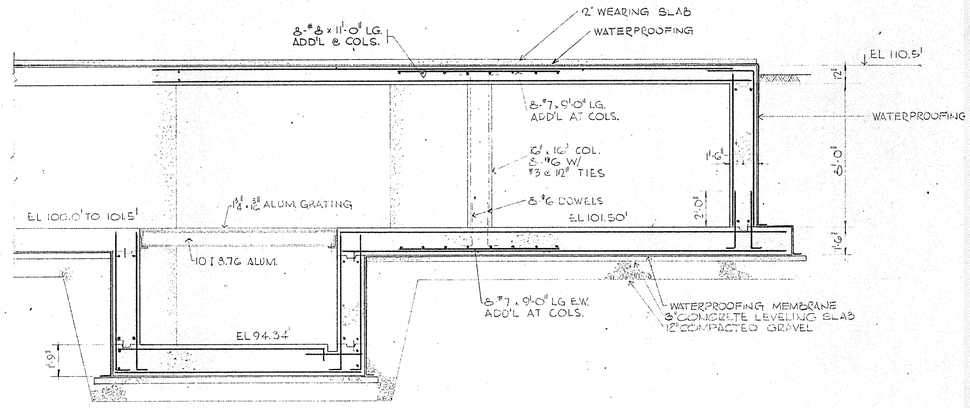
DRAWING NO.
45



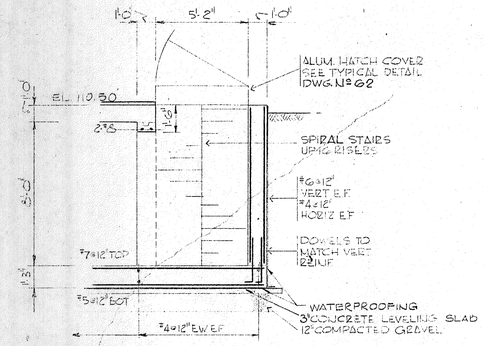

## SECTION C-C
SCALE : 1/4" = 1'-0"



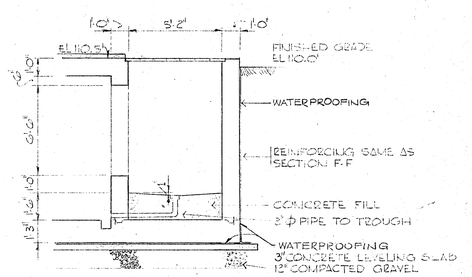

## SECTION D-D
SCALE : 1/4" = 1'-0"



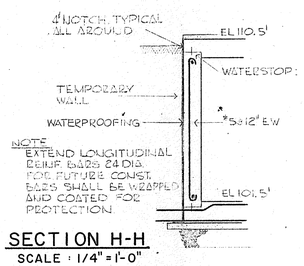

## SECTION E-E
SCALE : 1/4" = 1'-0"




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

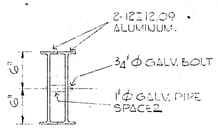



## SECTION G-G
SCALE : 1/4" = 1'-0"

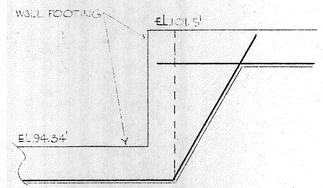



NOTE
EXTEND LONGITUDINAL REINF. BARS 24 DIA. FOR FUTURE CONST. BARS SHALL BE WRAPPED AND COATED FOR PROTECTION

## SECTION H-H
SCALE : 1/4" = 1'-0"




## TYPICAL SPACER DETAIL
SCALE : 1" = 1'-0"




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

NOTES
1. TYPICAL STRUCTURAL DETAILS SEE DWG. #14
2. GENERAL STRUCTURAL NOTES SEE DWG. #14
3. PIPE OPENINGS SEE HYDRAULIC DWG. #42
4. WATERPROOFING DETAILS SEE TYPICAL STRUCTURAL DETAILS DWG. # 14

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

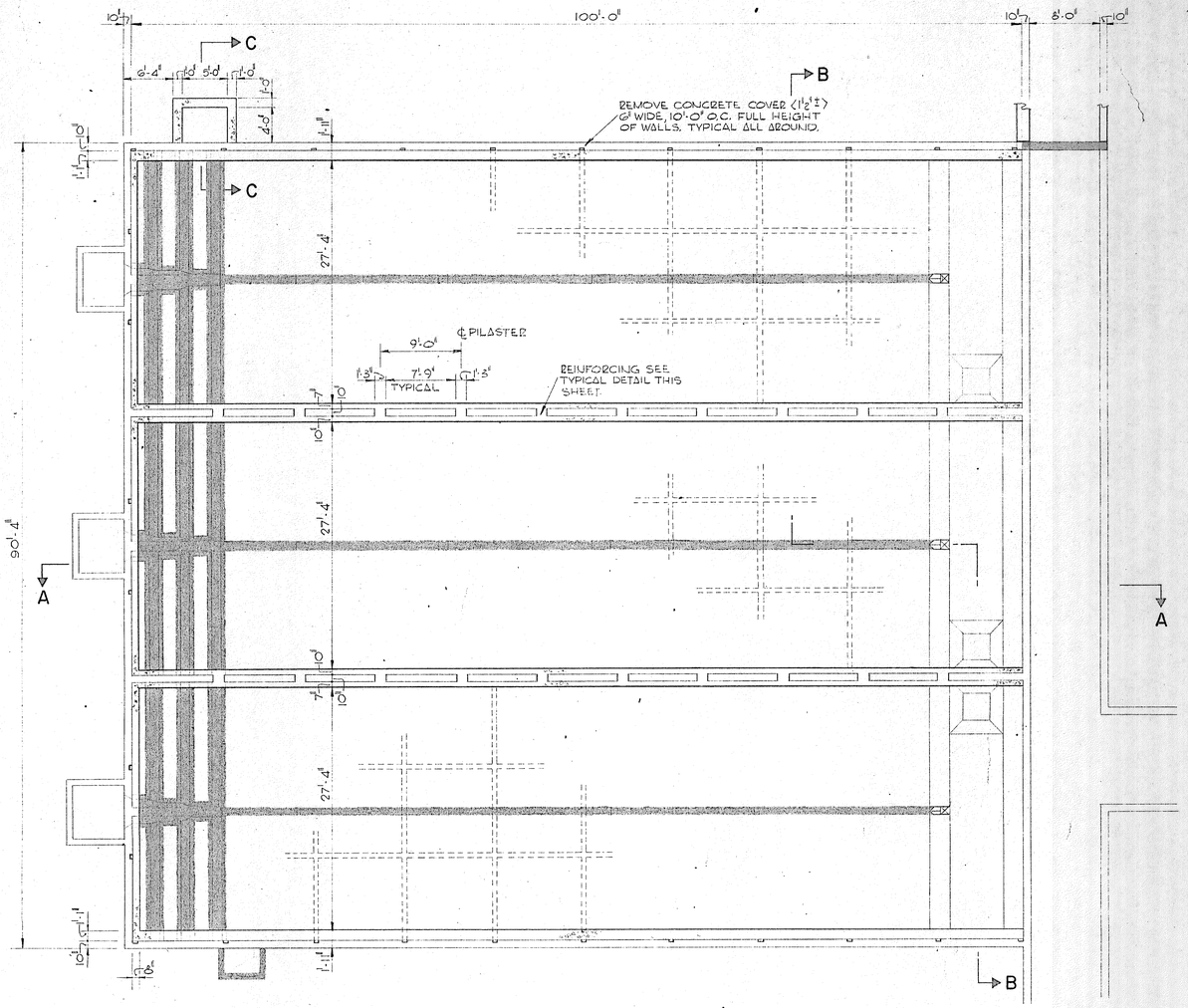
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

NEW PRIMARY SETTLING TANKS AND GALLERY
STRUCTURAL SECTIONS

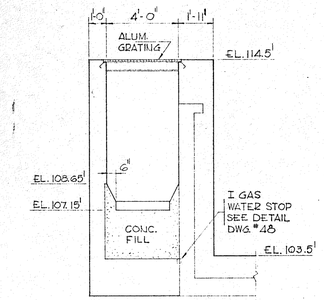
SCALE
AS NOTED

C. A. M. NO. 1165

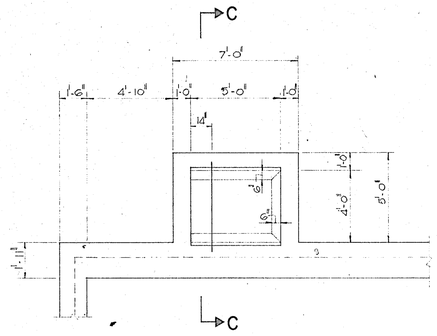
DRAWING NO.
46



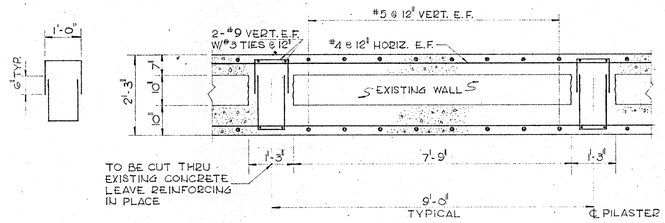

PLAN AT EL. 108.0'
SCALE : 1/8" = 1'-0"




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




SCUM PIT PLAN AT EL. 114.5'
SCALE : 1/4" = 1'-0"




TYPICAL PILASTER REINFORCING
SCALE : 1/2" = 1'-0"

LEGEND:
EXISTING TO BE REMOVED
EXISTING TO REMAIN
NEW WORK

NOTES:
1. SECTIONS A & B SEE DWG. No. 49
2. TYPICAL STRUCTURAL DETAILS SEE DWG. No. 14
3. GENERAL STRUCTURAL NOTES SEE DWG. No. 14
4. FOR EXACT SIZE AND LOCATION OF PIPE OPENINGS SEE DRAWINGS 37 AND 38

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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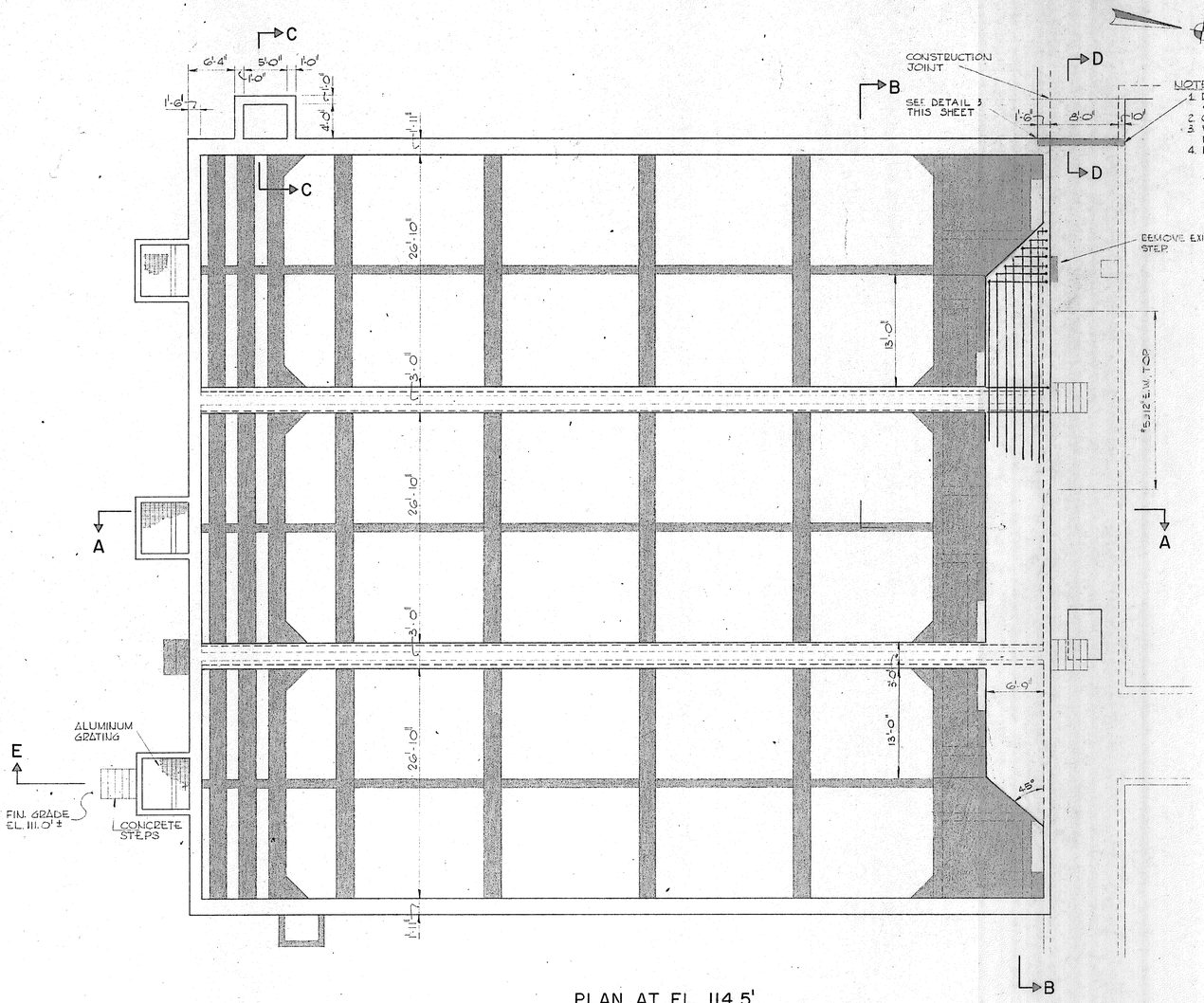
DRAWN: G. ROSE DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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

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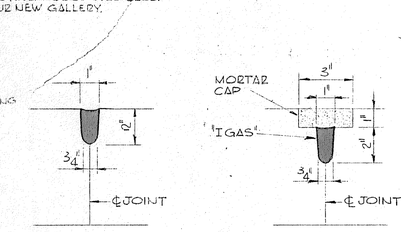
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
MODIFIED PRIMARY SETTLING TANKS
STRUCTURAL
PLAN AT EL. 108.0'

SCALE
AS NOTED
C. A. M. NO. 1165
DRAWING NO.
47




PLAN AT EL. 114.5'
SCALE : 1/8" = 1'-0"

NOTES
1. REMOVE CONCRETE, BOTH WALLS (SHADED AREA)
2. CLEAN CONCRETE BY SANDBLASTING
3. WELD NEW HORIZONTAL REINFORCING TO EXISTING HORIZONTAL BARS.
4. POUR NEW GALLERY.

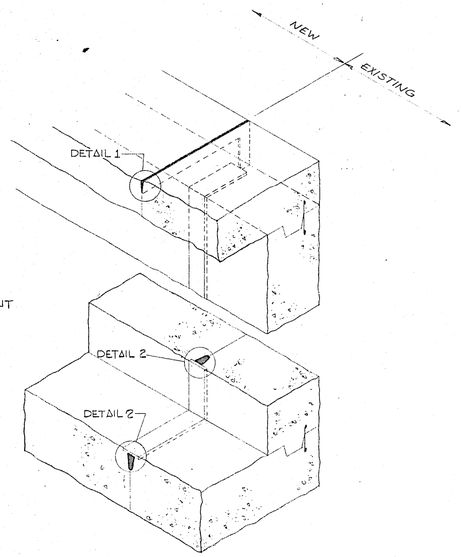



DETAIL 1
SCALE : 3" = 1'-0"




ALL SURFACES IN CONTACT WITH "I GAS" SHALL BE PRIMED WITH "I GAS" PRIMER

DETAIL 2
SCALE : 3" = 1'-0"




DETAIL 3
NOT TO SCALE

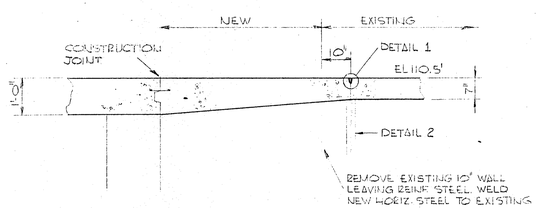
NOTES:

EXISTING GALLERY:
AS PART OF THIS CONTRACT ALL LEAKS AND CRACKS IN THE EXISTING GALLERY, INCLUDING THE ACCESS TO THE SLUDGE HOLDING TANKS, SHALL BE TREATED AS FOLLOWS:

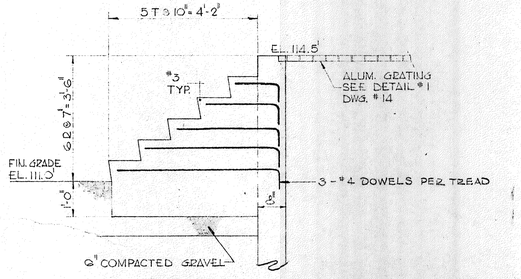
1. EXPANSION JOINTS:
   a. CLEAN ALL EXISTING EXPANSION JOINTS AND SAW-CUT CONCRETE AS SHOWN IN DETAIL
   b. APPLY "I GAS" PRIMER IN JOINTS AS SHOWN- HORIZONTAL AND VERTICAL
   c. APPLY MORTAR CAP AS SHOWN - HORIZONTAL AND VERTICAL

2. CRACKS IN BOTTOM OF TOP SLAB:
   VEE OUT FROM UNDERSIDE, APPROX. 5/8" x 5/8" AND FILL WITH COLMA-DUR GEL

3. ROOF OF GALLERY:
   a. REMOVE EXISTING COATINGS AND SIDEWALK LIGHTS.
   b. POUR CONCRETE IN LIGHT OPENINGS AS SHOWN.
   c. SANDBLAST EXISTING CONCRETE.
   d. APPLY COLMA KOTE M COATING ON SLAB + 18" DOWN EXTERIOR FACE +6" UP INTERIOR FACE
   e. APPLY 2" CONCRETE WEARING SLAB




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




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

LEGEND
EXISTING TO REMAIN
EXISTING TO BE REMOVED
NEW WORK

NOTES
1. SECTIONS A & B SEE DWG "49
2. SECTION C SEE DWG "47
3. GENERAL STRUCTURAL NOTES SEE DWG "14
4. TYPICAL STRUCTURAL DETAILS SEE DWG "14

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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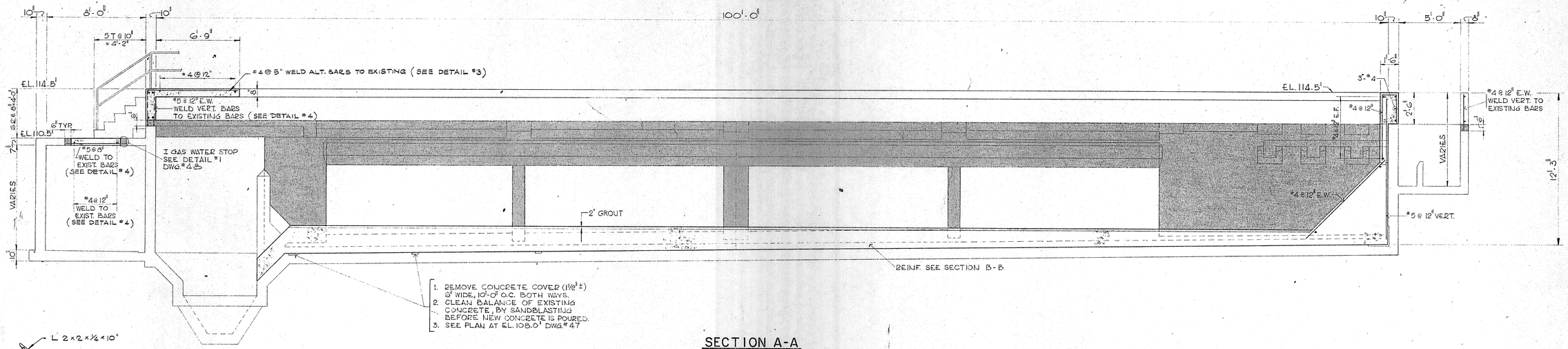
DRAWN: G. ROSE DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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

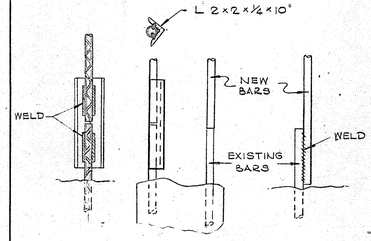
APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
MODIFIED PRIMARY SETTLING TANKS
STRUCTURAL
PLAN AT EL. 114.5'

SCALE
AS NOTED
C. A. M. NO. 1165
DRAWING NO.
48




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

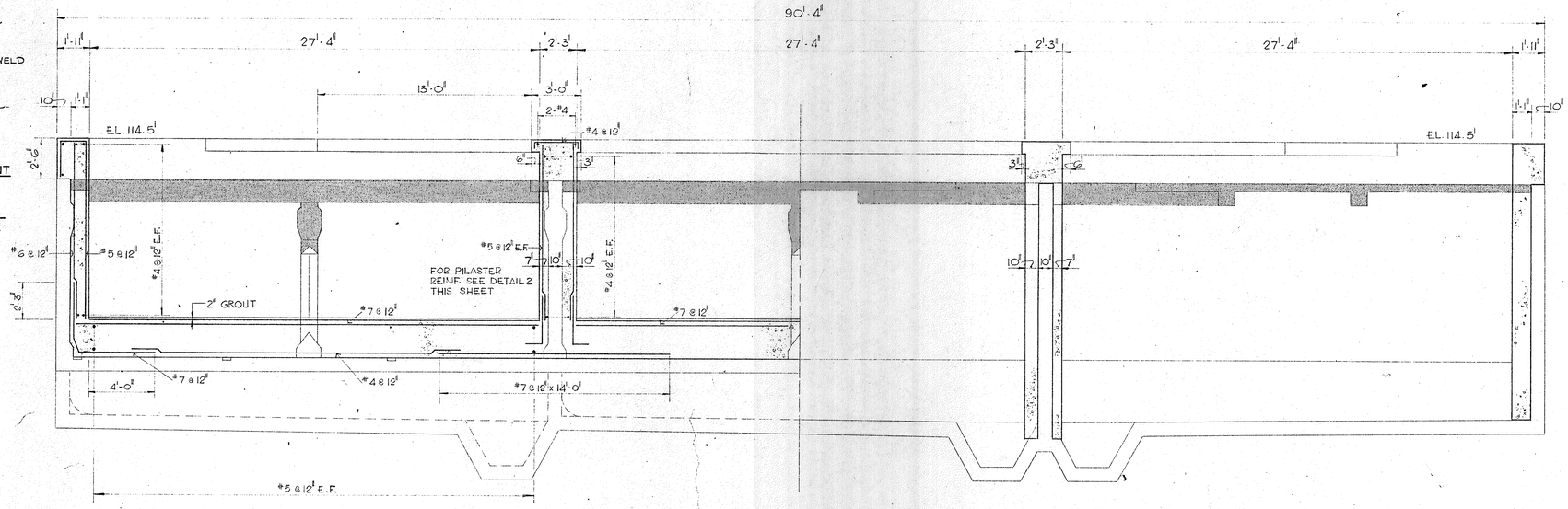



ANGLE SPLICE

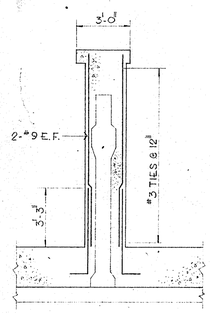
## DETAIL 3
NOT TO SCALE

SINGLE LAP JOINT

## DETAIL 4
NOT TO SCALE




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




## DETAIL 2
SCALE: 1/4" = 1'-0"

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

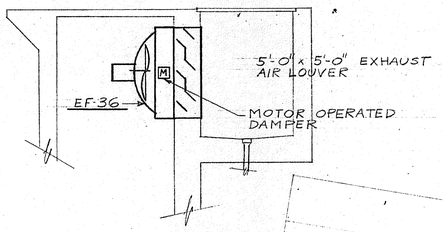
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ENGINEERS
PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED

TOWN OF STRATFORD

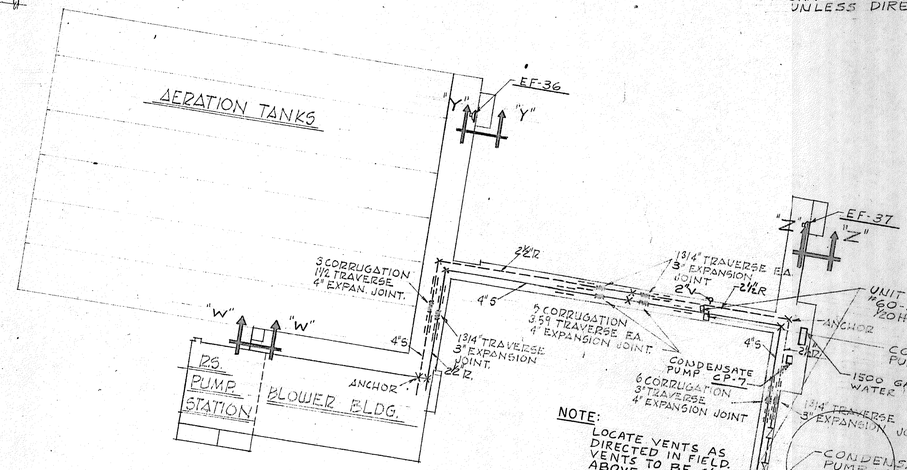
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
MODIFIED PRIMARY SETTLING TANKS
STRUCTURAL SECTIONS

SCALE AS NOTED
C. A. M. NO. 1165
DRAWING NO. 49



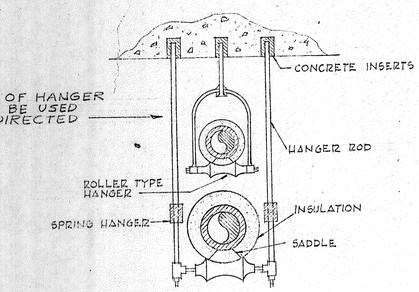

SECTION "Y-Y"

NOTE:
SEE DWG 90 FOR GENERAL NOTES.

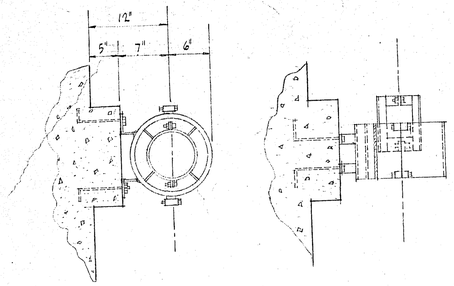



NOTE:
LOCATE VENTS AS DIRECTED IN FIELD. VENTS TO BE 6'-0" ABOVE GRADE.

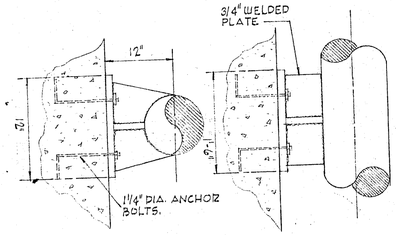
NOTE:
THIS TYPE OF HANGER SHALL NOT BE USED UNLESS DIRECTED



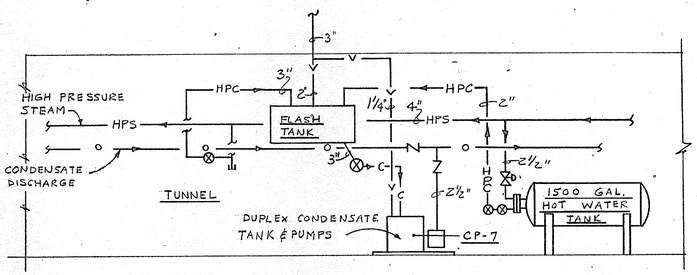

TYPICAL HANGER ARRANGEMENT



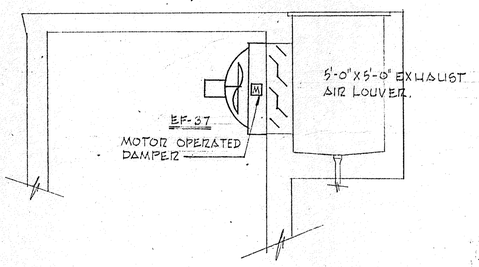

TYPICAL PIPE GUIDE



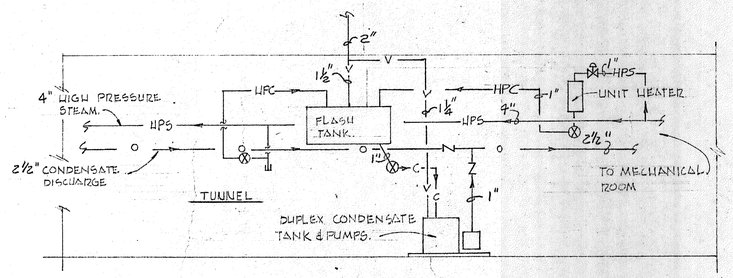

TYPICAL PIPE ANCHOR



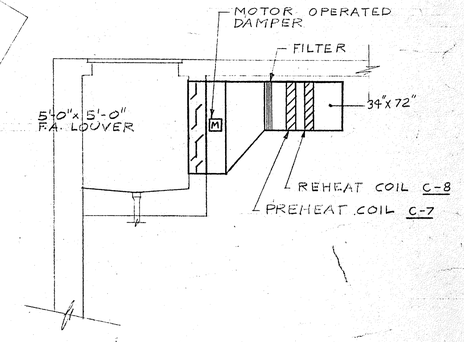

HOT WATER STORAGE TANK PIPING . SCHEMATIC
PIPE GALLERY AREA




SECTION "Z-Z"




TYPICAL TUNNEL CONDENSATE PUMP PIPING SCHEMATIC




SECTION "W-W"

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

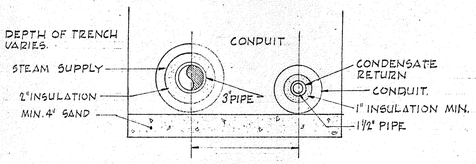
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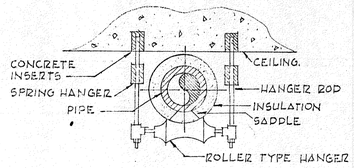
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

GENERAL HEATING DISTRIBUTION
GENERAL HEATING LAYOUT AND DETAILS

SCALE
NO SCALE
C. A. M. NO. 1165
DRAWING NO.
50

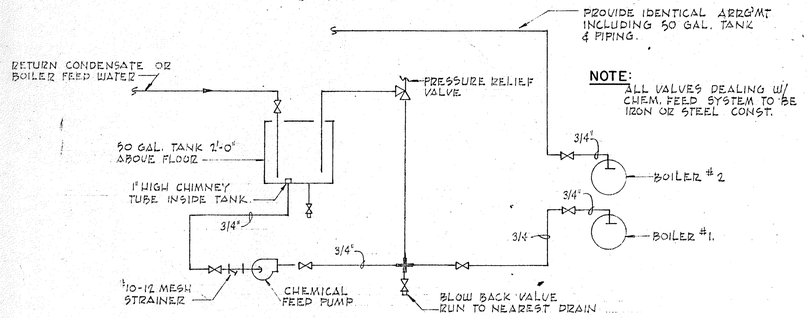



## SECTIONS THRU NEW UNDERGROUND STEAM & CONDENSATE RETURN PIPES

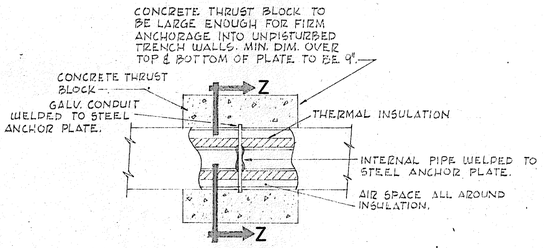



## HANGER FOR PIPES OVER 2"

NOTE:
DIAGRAM TYPICAL FOR BOILER #2.

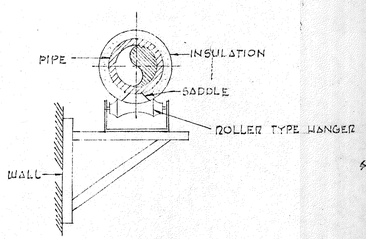



## TYPICAL CHEMICAL FEED WATER PIPING SCHEMATIC

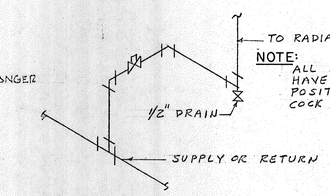



## ANCHOR DETAIL

NOTE:
SEE DWG. 90 FOR GENERAL NOTES

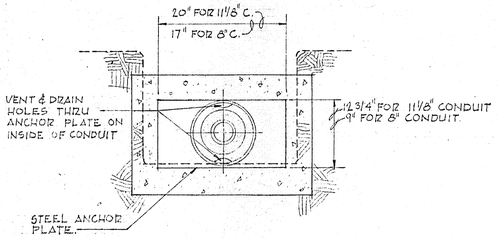



## HANGER FOR PIPES RACKED ON WALL



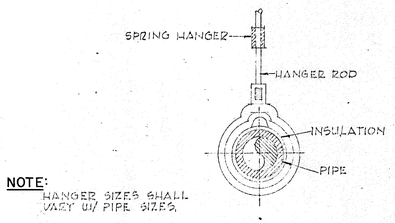

## TYPICAL SWING JOINT DETAIL

NOTE:
TYPICAL FOR ALL PIPING TAKE-OFFS SUPPLY OR RETURN.
NO SCALE



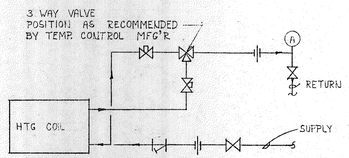

## SECTION Z–Z

NO SCALE



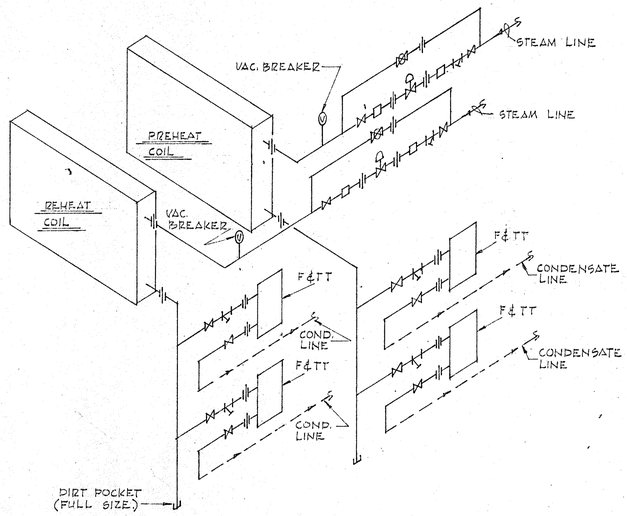

NOTE:
HANGER SIZES SHALL VARY W/ PIPE SIZES.

## HANGER FOR PIPES 2" & UNDER




## REHEAT COIL PIPING SCHEMATIC

NO SCALE




## TYPICAL STEAM COIL PIPING SCHEMATIC

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

DRAWN: R. DESIDERATO DESIGNED: G.M. PETROCELLI
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

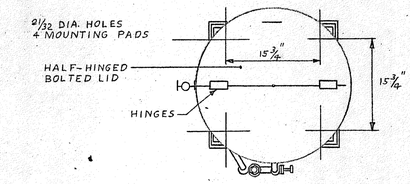
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

GENERAL HEATING DISTRIBUTION
SCHEMATICS AND DETAILS

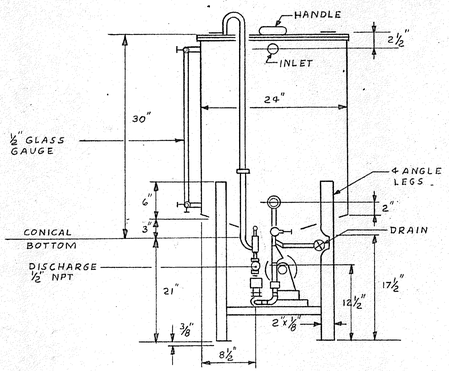
SCALE
NO SCALE

C. A. M. NO. 1165

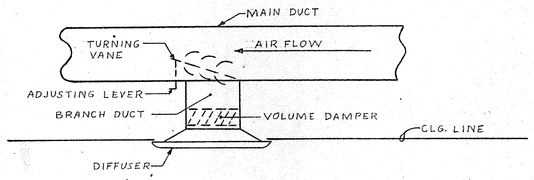
DRAWING NO.
51



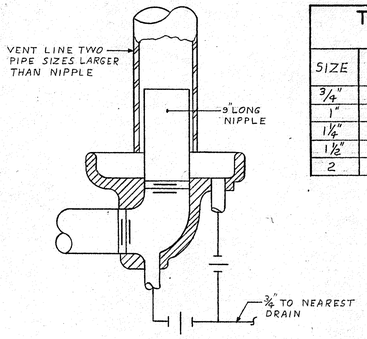

PLAN VIEW



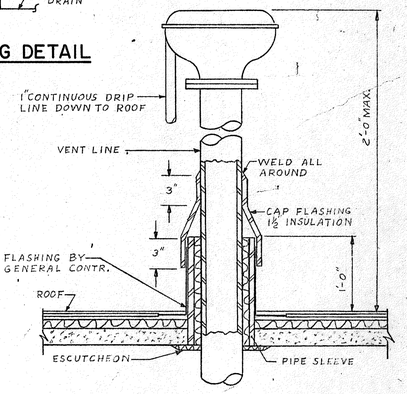

BOILER WATER TREATMENT TANK



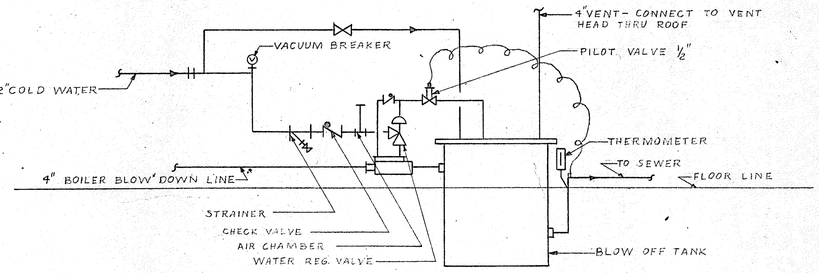

TYPICAL BRANCH DUCT & DIFFUSER TAKE-OFF DETAIL




DRIP ELBOW PIPING DETAIL




VENT HEAD PIPING THRU ROOF




DETAIL OF BLOW DOWN TANK

## CONVERTOR SCHEDULE

| SYM | MFG'R | MODEL | STM PRESS. P.S.I. | TEMP RISE | P.D. IN FT. $H_2O$ | GPM | AV. WATER TEMP | REMARKS |
|---|---|---|---|---|---|---|---|---|
| C-1 | BELL & GOSSETT | SU-105-2 | 5 | 20° | 1.1 | 150 | 190° | CONTROL BLDG BOILER ROOM |
| | | | | | | | | |
| | | | | | | | | |

## TRAP CAPACITY SCHEDULE

| SIZE | LBS/HR AT 2 P.S.I. DIFFERENTIAL |
|---|---|
| 3/4" | 200 |
| 1" | 500 |
| 1 1/4" | 1200 |
| 1 1/2" | 2900 |
| 2 | 5000 |

## CABINET & UNIT HEATER SCHEDULE

| SYM | MFG'R | MODEL | MBH | CFM | GPM | HP | SIZE L | SIZE H | SIZE W | REMARKS |
|---|---|---|---|---|---|---|---|---|---|---|
| UH-1,2,3 | TRANE | 168 | 172 | 2380 | — | 1/4 | 33 3/4 | 26 1/4 | 25 3/8 | RAW SEWAGE BLDG. GARAGE |
| UH-4,5 | " | " | " | " | — | " | " | " | " | INCINERATOR BLDG PUMP ROOM |
| UH-6 | " | 90-S | 45.3 | 1214 | 9.6 | 1/12 | 26 3/4 | 20 1/4 | 21 5/8 | CONTROL BLDG TANK ROOM |
| UH-7 | " | 20-SF | 20 | 318 | — | 1/45 | 20 7/8 | 14 1/4 | 15 1/4 | INCINERATOR BLDG TOOL CAGE |
| 1 | " | #04 | 28.8 | 900 | 3 | 1/30 | 49 3/4 | 25 | 9 | CONTROL BLDG FLOOR MT'D |
| 2 | " | #06 | 42.8 | 600 | — | 1/22 | 25 | 9 | 44 | CONCEALED UNIT - HORIZONTAL W/DUCT COLLARS - LOCKER RM |
| 3 | " | " | " | " | — | " | 23 | 9 | 57 3/4 | HORIZONTAL - CLG TYPE |
| ① | " | 15 | 110 | 1500 | — | 1/4 | 98 3/4 | 16 3/8 | 105 | HORIZONTAL - CLG TYPE W/DUCT COLLARS - 100% F.A. |
| ② | " | 12 | 82 | 1250 | — | 1/4 | " | " | 93 | HORIZONTAL - CLG TYPE 100% F.A. |

## HEATING & VENTILATING UNIT SCHEDULE

| SYM | MFG. | MODE | C.F.M. | % F.A. | S.P. | R.P.M. | HP | M.B.H. | SIZE W | SIZE L | SIZE D | REMARKS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| H&V-1 | TRANE | 31 | 21,419 | 100 | 1" | 743 | 15 | 1800 | 115 1/2 | 89 | 49 3/8 | BLOWER RM. BLOWER ROOM | 2 SPEED |
| H&V-2 | " | 21 | 12,360 | 100 | 1" | 661 | 5 | 1000 | 103 1/2 | 86 | 35 3/8 | " PUMP ROOM | 2 SPEED |
| H&V-3 | " | 10 | 5,153 | 100 | 3/4" | 566 | 2 | 400 | 55 3/8 | 86 | 35 3/8 | RAW SEWAGE BLDG. PUMP CONTROL ROOM | 2 SPEED * |
| H&V-4 | " | 8 | 4,125 | 100 | 3/4" | 566 | 1 1/2 | 300 | 46 3/8 | 86 | 35 3/8 | " GENERATING ROOM | 2 SPEED * |
| H&V-5 | " | 14 | 8249 | 100 | 3/4 | 479 | 3 | 800 | 70 1/2 | 89 | 39 3/8 | " PUMP ROOM | 2 SPEED * |
| H&V-6 | " | 50 | 27,225 | 100 | 1" | 903 | 15 | 1700 | 118 1/2 | 148 | 76 5/8 | INCINERATOR BLDG. INCINERATOR ROOM | 2 SPEED |
| H&V-7 | " | 21 | 10,300 | 100 | 1" | 754 | 5 | 800 | 109 1/2 | 86 | 35 3/8 | " TURBINE ROOM | 2 SPEED |
| H&V-8 | " | 8 | 4125 | 100 | 3/4" | 666 | 1 1/2 | 300 | 46 3/8 | 86 | 35 3/8 | " CONTROL BLDG. | 2 SPEED |
| H&V-9 | " | 25 | 14,460 | 100 | 1" | 691 | 7 1/2 | 1000 | 115 1/4 | 89 | 39 1/2 | " FILTER ROOM | 2 SPEED * |

* = WITH DISCHARGE PLENUM BY MANUFACTURER

## EXHAUST FAN SCHEDULE

| SYM | MFG'R | MODEL | CFM | S.P. IN $H_2O$ | RPM | HP | DRIVE | SIZE W | SIZE L | SIZE D | REMARKS | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| EF-1 | TRANE | T-17 | 12000 | 3/4 | 740 | 5 | BELT | 91 | 46 1/2 | 33 3/8 | BLOWER RM. SINGLE SPEED | B.B |
| EF-2 | " | T-17 | 12,000 | 3/4 | 740 | 5 | BELT | 91 | 46 1/2 | 33 3/8 | " " | B.B |
| EF-3 | " | T-9 | 6,000 | 3/4 | 866 | 2 | BELT | 85 | 86 1/2 | 23 3/8 | PUMP RM. " | B.B |
| EF-4 | " | T-9 | 6,000 | 3/4 | 866 | 2 | BELT | 85 | 86 1/2 | 23 3/8 | " " | B.B |
| EF-5 | PENN | Z-100 | 345 | 1/4 | 1050 | 1/10 | DIRECT | 21 1/8 | 14 1/2 | 17 | CONTROL RM. W/WALL CAP | B.B. |
| EF-6 | " | Z-60 | 100 | 1/8 | 1050 | 1/25 | DIRECT | 16 1/4 | 9 1/2 | 9 | TOILET " " | B.B. |
| EF-7 | CHARMON | CMD-7 | 600 | 1 3/4 | | 1/2 | DIRECT | 12 3/4 | 11 | 13 | AUTO EXHAUST SYSTEM | R.S.B |
| EF-8 | TRANE | T-9 | 2600 | 3/4 | 798 | 3/4 | BELT | 55 | 36 3/8 | 23 3/8 | PUMP CONTROL RM. SINGLE SPEED | R. S.B |
| EF-9 | TRANE | T-9 | 5000 | 3/4 | 813 | 2 | BELT | 85 | 36 3/8 | 23 3/8 | " TWO SPEED | R. S.B |
| EF-10 | PENN | CB-244 | 1750 | 1/2 | 1215 | 1/4 | V-BELT | 32 | 32 | | GEN. RM. WALL FAN SINGLE SPEED | R. S.B |
| EF-11 | PENN | CB-304 | 2800 | 1/2 | 860 | 3/4 | V-BELT | 37 1/2 | 37 1/2 | | " " TWO SPEED | R. S.B |
| EF-12 | PENN | CB-425 | 6400 | 1/2 | 810 | 2 | V-BELT | 51 | 51 | | PUMP " TWO SPEED | R. S.B |
| EF-13 | PENN | CB-425 | 6400 | 1/2 | 810 | 2 | V-BELT | 51 | 51 | | " " SINGLE SPEED | R. S.B |
| EF-14 | TRANE | T-14 | 8000 | 3/4 | 475 | 3 | BELT | 70 | 50 3/8 | 37 1/8 | PUMP RM. " | I. B |
| EF-15 | TRANE | T-9 | 5,000 | 3/4 | 813 | .5 | BELT | 85 | 36 1/2 | 23 3/8 | THICKENING RM. " | I. B |
| EF-16 | TRANE | T-9 | 5,000 | 3/4 | 813 | .2 | BELT | 85 | 86 1/2 | 23 3/8 | " " | I. B |
| EF-17 | TRANE | T-3 | 1200 | 3/8 | 835 | 1/4 | BELT | 34 | 54 3/4 | 21 3/8 | SHOP TWO SPEED | I. B |
| EF-18 | TRANE | T-8 | 4000 | 1/2 | 578 | 1 | BELT | 46 | 46 3/8 | 33 3/8 | CHEMICAL STORAGE " | I. B |
| EF-19 | TRANE | T-6 | 2,000 | 3/4 | 798 | 3/4 | BELT | 55 | 36 3/8 | 23 3/8 | TOILET LOCKER RM. SINGLE SPEED | I. B |
| EF-20 | TRANE | T-12 | 7,000 | 3/4 | 529 | 2 1/2 | BELT | 61 | 50 3/8 | 37 1/8 | FILTER SINGLE RM. SPEED | I. B |
| EF-21 | TRANE | T-21 | 14,000 | 3/4 | 635 | 7 1/2 | BELT | 109 | 96 3/8 | 53 3/8 | " SINGLE SPEED | I. B |
| EF-22 | DELETE | | | | | | | | | | | |
| EF-23 | TRANE | T-17 | 12,000 | 3/4 | 740 | 5 | BELT | 91 | 46 1/2 | 33 3/8 | INCINERATOR RM. SINGLE SPEED | I. B |
| EF-24 | PENN | Z-120 | 540 | 1/4 | 1100 | 1/6 | DIRECT | 21 1/8 | 14 1/2 | 14 | CONVERGENCE RM. STD. CONTROL SWITCH W/WALL CAP | I. B |
| EF-25 | PENN | Z-120 | 840 | 1/4 | 1100 | 1/6 | DIRECT | 21 1/8 | 14 1/2 | 14 | LUNCH RM. SPEED CONTROL SWITCH " | I. B |
| EF-26 | PENN | Z-100 | 345 | 1/4 | 1050 | 1/10 | DIRECT | 21 1/8 | 14 1/2 | 17 | OPERATIONS OFFICE " | I. B |
| EF-27 | PENN | CB-242 | 2600 | 1/4 | 950 | 1/4 | V-BELT | 32 1/4 | 32 1/4 | MAX. 64 | GARAGE WALL FAN SINGLE SPEED | R. S.B |
| EF-28 | PENN | CB-242 | " | 1/4 | " | " | V-BELT | 32 1/4 | 32 1/4 | 71 STAT | BOILER RM. " " | I. B |
| EF-29 | PENN | CB-242 | " | 1/4 | " | " | V-BELT | 32 1/4 | 32 1/4 | " | " INTAKE WALL FAN " | I. B |
| EF-30 | " | Z-100 | 345 | 1/4 | 1050 | 1/10 | DIRECT | 21 1/8 | 14 1/2 | 19 | TOILET | C. B. |
| EF-31 | I.P.F | 19EE | 1099 | 1" | 742 | 1/2 | BELT | 36 | 37 1/8 | 36 1/2 | LAB HOOD 1900 CV. | C. B. * |
| EF-32 | " | 12AV | 1256 | 1/4 | 942 | 1/4 | " | 30 | 30 | 27 3/4 | TANK ROOM 1600 CV. | C. B. ** |
| EF-33 | " | 12AV | 1256 | 1/4 | 942 | 1/4 | " | 30 | 30 | 27 3/4 | CHLORINATOR RM. 1600 CV. | C. B. ** |
| EF-34 | " | 13 3/4 BB | 706 | 1" | 1165 | 1/2 | BELT | 28 3/8 | 27 3/8 | 28 1/4 | SLUDGE HOPPER | I. B. * |
| EF-35 | TRANE | T-9 | 5000 | 3/4 | 813 | 2 | " | 85 | 36 3/8 | 23 3/8 | THICKENING RM. 1 SPEED | I B. |
| EF-36,37 | PENN | CD48W4 | 9460 | 3/4 | 860 | 5 | DIRECT | 58 3/8 | 58 3/8 | | TUNNEL-2SPEED | I B |
| EF-38 | SHELDON | S90AT | 576 | 1" | 1150 | 1/2 | BELT | 28 3/8 | 27 3/8 | 28 1/4 | LAB HOOD INTAKE | C. B. |

B.B.- BLOWER BLDG. R.S.B.- RAW SEWAGE BLDG. I.B.- INCINERATOR BLDG. C.B.- CONTROL BLDG.
* = P.V.C. TOP HORIZONTAL WITH DISCHARGE NOZZEL & DAMPER
PROVIDE MOTOR OPERATED DAMPERS FOR ALL EXHAUST FANS
** = FAN SHALL HAVE EXPLOSION PROOF MOTOR AND NON-SPARKLING BLADES AND CONSTRUCTION.

NOTE: SEE DWG. 90 FOR GENERAL NOTES

## LEGEND

| | |
|---|---|
| —H.P.— | HIGH PRESSURE STEAM |
| --H.P.-- | HIGH PRESSURE CONDENSATE |
| —S— | LOW PRESSURE STEAM |
| --C-- | LOW PRESSURE CONDENSATE |
| -O-O-O- | CONDENSATE RETURN |
| ——— | HOT WATER SUPPLY |
| ——— | HOT WATER RETURN |
| —CWS— | CHILLED WATER SUPPLY |
| —CWR— | CHILLED WATER RETURN |
| —CTS— | COOLING TOWER SUPPLY |
| —CTR— | COOLING TOWER RETURN |
| —V— | VENT LINE |
| —D— | DRAIN LINE |
| | GATE VALVE |
| | GLOBE VALVE |
| | CHECK VALVE |
| | BALANCING COCK |
| | AUTOMATIC CONTROL VALVE |
| | PRESSURE REDUCING VALVE |
| | SAFETY OR RELIEF VALVE |
| | ECCENTRIC RELIEF VALVE |
| | STRAINER |
| | UNION |
| A | AUTOMATIC |
| V | VACUUM BREAKER |
| F&T.T. | FLOAT AND THERMOSTATIC TRAP |
| | THERMOMETER |
| T | THERMOSTAT (DAY) |
| $T_N$ | THERMOSTAT (NIGHT) |
| P | PRESSURE GAUGE |
| V | VACUUM GAUGE |
| | SUPPLY AIR DUCT (CROSS SECTION) |
| | RETURN OR EXHAUST AIR DUCT (CROSS SECTION) |
| | TURNING VANES |
| | SPLITTER DAMPER |
| | FLEXIBLE DUCT (ROUND) |
| E.F | EXHAUST FAN (SEE SCHEDULE) |
| P-1 | PUMP SYMBOL (SEE SCHEDULE) |
| T.R. | TOP REGISTER |
| B.R. | BOTTOM REGISTER |
| C.G. | CEILING GRILLE |
| C.D. | CEILING DIFFUSER |
| F.R. | FLOOR REGISTER |
| G.C. | GENERAL CONTRACTOR |
| F.A. | FRESH AIR |
| S.A. | SUPPLY AIR |
| E.A. | EXHAUST AIR |
| M | MOTORIZED DAMPER |
| F.D | FIRE DAMPER |
| S.P. | STATIC PRESSURE (INCHES OF WATER) |
| O.V. | OUTLET VELOCITY (FEET PER MINUTE) |
| P.D. | PRESSURE DROP |
| D.B. | DRY BULB |
| W.B. | WET BULB |
| V.D. | VOLUME DAMPER |
| W.R. | WALL REGISTER |

## REGISTER, GRILLE & DIFFUSER SCHEDULE

| SYM. | MFG'R | MODEL | SYS | MAT'L | FINISH | SIZE | REMARKS |
|---|---|---|---|---|---|---|---|
| A | BARBER COLEMAN | SFS-V | SUPPLY | STEEL | #7 | 24" X 24" | CLG. TYPE |
| B | " | " | " | " | " | 12" X 12" | " " |
| C | " | " | RETURN | " | " | 24" X 24" | " " |
| D | " | " | " | " | " | 12" X 12" | " " |
| E | " | GMV-V | " | " | PRIME | 20" X 10" | SIDE WALL |
| F | " | CA-V | SUPPLY | ALUM | AS DIRECTED | 60" X 7" | 4 SLOT SIDE WALL |
| G | " | VJS-V | " | STEEL | #7 | 56" Ø | 28" Ø NECK CLG. TYPE |
| H | " | " | " | " | " | 24" Ø | 12" Ø NECK |
| J | " | GMV-V | RETURN | " | " | SEE DWGS. | CLG. TYPE |
| K | " | GMA-V | SUPPLY | " | " | 48" X 12" | SIDEWALL |
| L | " | " | " | " | " | 42" X 24" | " |

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

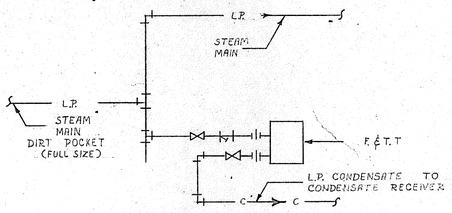
DRAWN: R. DESIDERATO DESIGNED: G.M. PETROCELLI
CHECKED: D. C. RAICHE APPROVED: T.L. CARVOUNIS
DATE: AUGUST , 1970

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

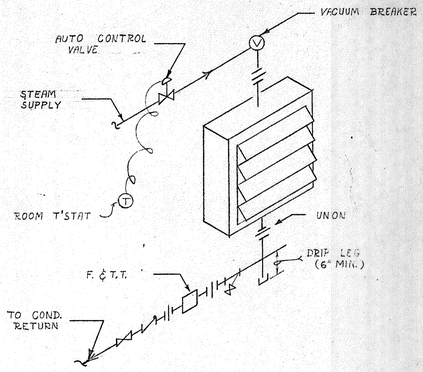
APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
GENERAL HEATING AND VENTILATION
HEATING AND VENTILATING SCHEDULES AND DETAILS

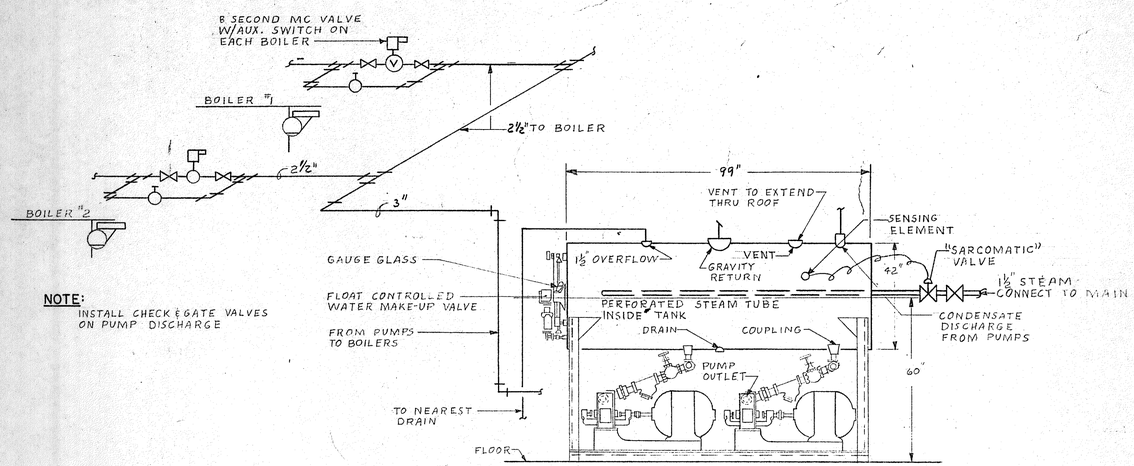
SCALE NO SCALE
C. A. M. NO. 1165
DRAWING NO. 52




## LOW PRESSURE DRIP DETAIL

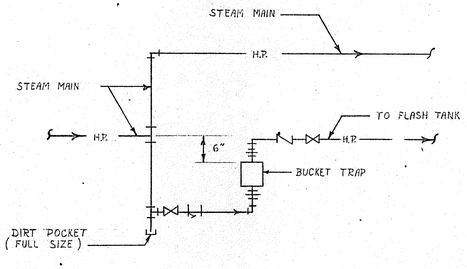



## DETAIL OF CONN. TO UNIT HEATER (STEAM)

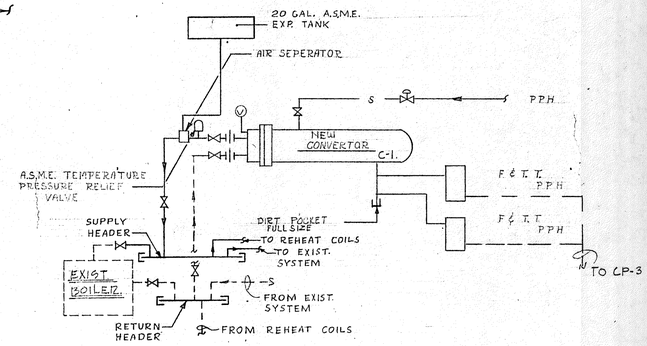



NOTE:
INSTALL CHECK & GATE VALVES ON PUMP DISCHARGE

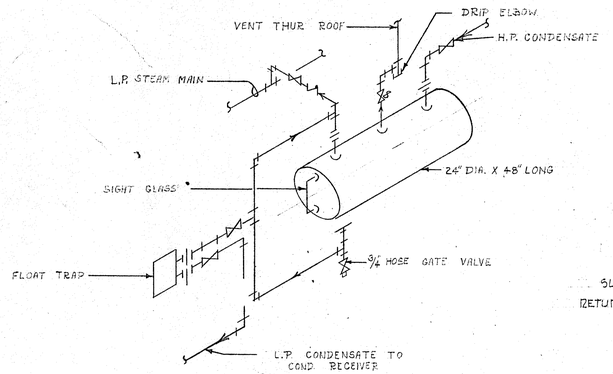
## BOILER FEED SYSTEM PIPING SCHEMATIC



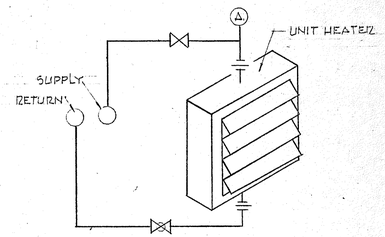

## HIGH PRESSURE DRIP DETAIL



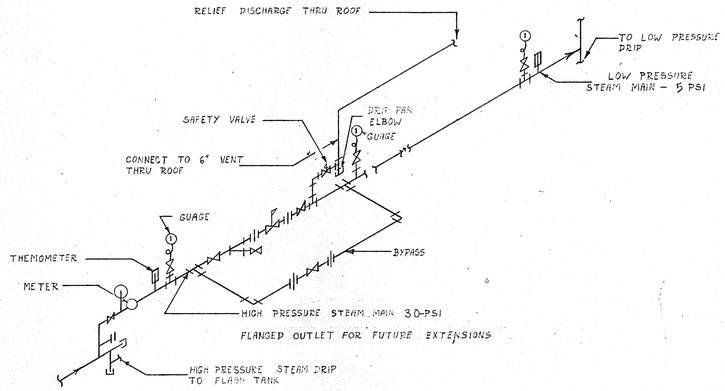

## CONVERTER PIPING SCHEMATIC



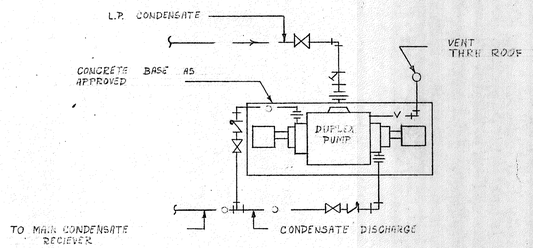

## FLASH TANK PIPING SCHEMATIC




## DETAIL OF CONN. TO UNIT HEATER (WATER)

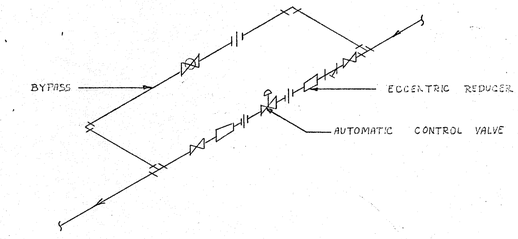



## STEAM PRESSURE REDUCING STATION




## CONDENSATE PUMP PIPING SCHEMATIC

NOTE:
SEE DWG. 90 FOR GENERAL NOTES




## TYPICAL CONTROL VALVE PIPING SCHEMATIC

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: R. DESIDERATO DESIGNED: G.M. PETROCELLI
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

GENERAL HEATING DISTRIBUTION
SCHEMATICS AND DETAILS

SCALE
NO SCALE
C. A. M. No. 1165
DRAWING NO.
53

# PLAN AT ELEVATION 113.5

SCALE: 1" = 1'-0"

# AIR HEADER SPACING DETAIL

NO SCALE

**NOTE:**
PROVIDE 3/4" TAPPED WELD-O-LETS @ 6" ON CENTERS. INSTALL 23 ORIFICES EACH SIDE SPACED 12" ON CENTER AND PLUG THE REMAINDER OF THE OPENINGS USING 3/4" BRASS THREADED PLUGS.

# AIR LINE DRAIN

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

# DETAIL A

NO SCALE

**NOTE:**
1. FOR SECTIONS "A-A", "B-B" AND "C-C" SEE DWG. NO. 55.
2. CONTRACTOR SHALL PROVIDE NECESSARY ANCHORAGE AT EACH CROSS-CONNECTOR TO FIT DIMENSIONS OF AIR-DIFFUSER LIFTING MECHANISM.

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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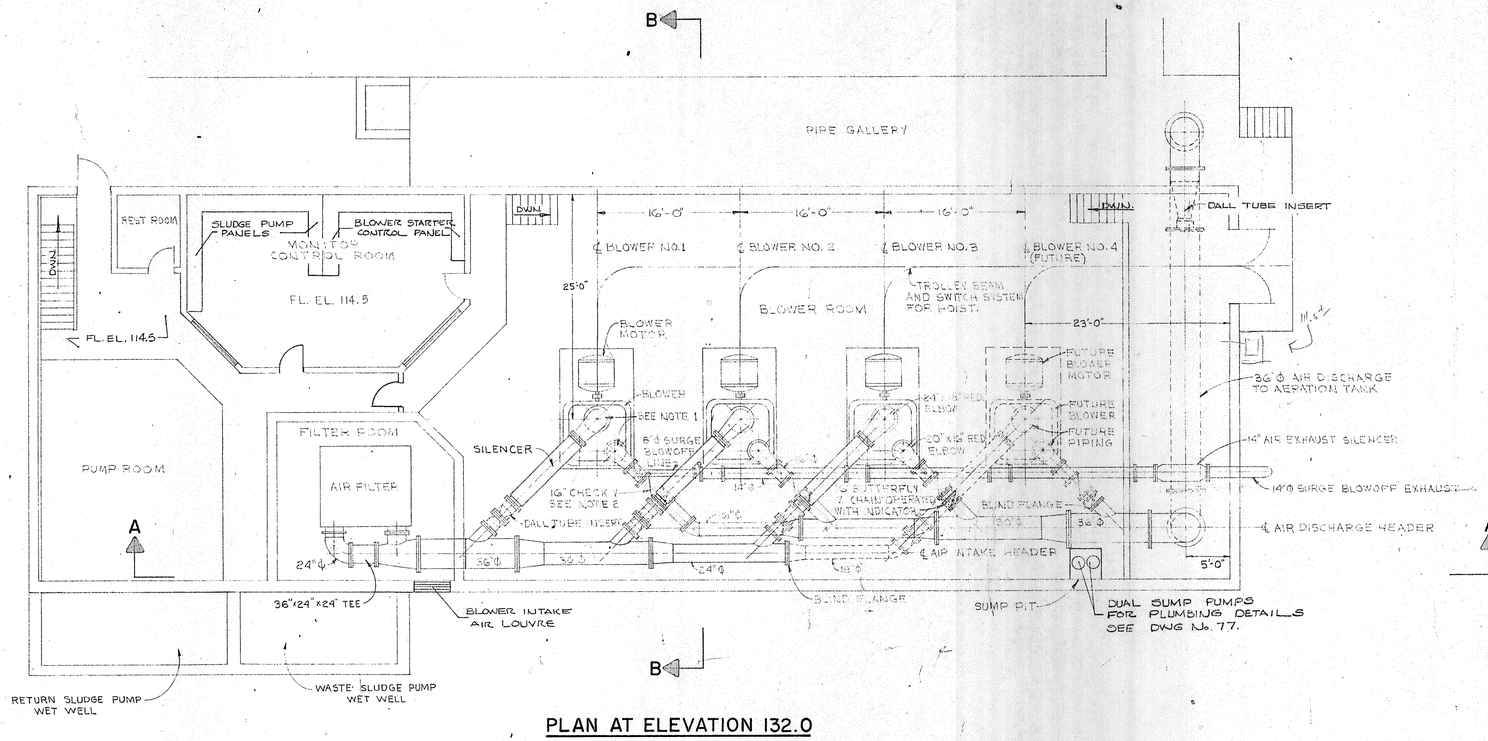
DRAWN: T. MELLO  DESIGNED: H. CAMPBELL
CHECKED: H. CAMPBELL  APPROVED: P.T. CARVER
DATE: AUGUST , 1970

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

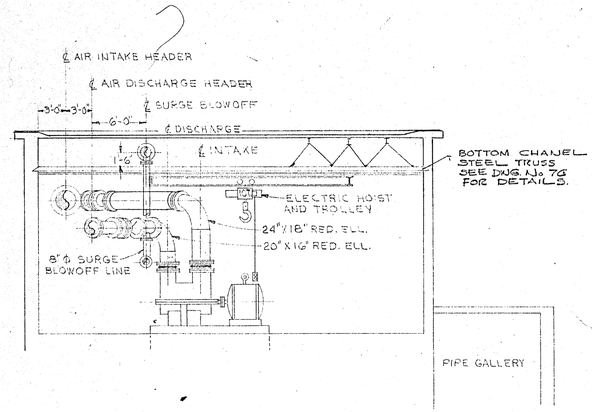
APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
AERATION TANKS
EQUIPMENT AND PIPING PLAN

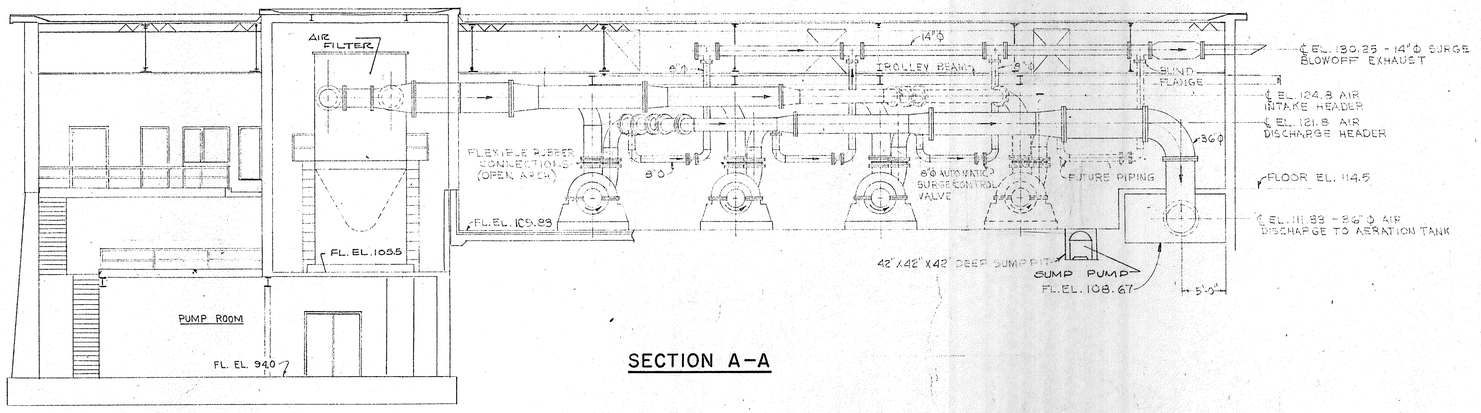
SCALE: AS NOTED
C. A. M. NO. 1165
DRAWING NO. 54




PLAN AT ELEVATION 132.0




SECTION B–B




SECTION A–A

## NOTES:

1. FOR REMOVAL OR INSTALLATION OF BLOWERS THESE PIPES MUST BE REMOVED AT FLANGES.
2. CHECK VALVE INSTALLATION IS ROTATED TO MEET MANUFACTURES REQUIREMENTS. SEE SPECS.
3. FOR SURGE FLOW SYSTEM AIR TUBING SEE SPECIFICATIONS. FOR INSTRUMENTATION CONDUITS AND WIRING SEE SPECS AND ELECTRICAL DWGS.
4. PIPING ARRANGEMENT AS SHOWN, IS FOR ELLIOTT TYPE BLOWER EQUIPMENT. SHOP DRAWINGS ON THE PIPING ARRAGEMENT, SPECIFICALLY FOR THE TYPE OF BLOWER TO BE USED, MUST BE SUBMITTED FOR APPROVAL.
5. FOR LOUVRE DETAIL SEE DWG 67 & 70
6. SEE ARCHITECTURAL DWG 66 & 68 FOR ACCESS

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: J.Y. PION — DESIGNED: P.T. CARVER
CHECKED: P.T. CARVER — APPROVED: P.T. CARVER
DATE: AUGUST , 1970

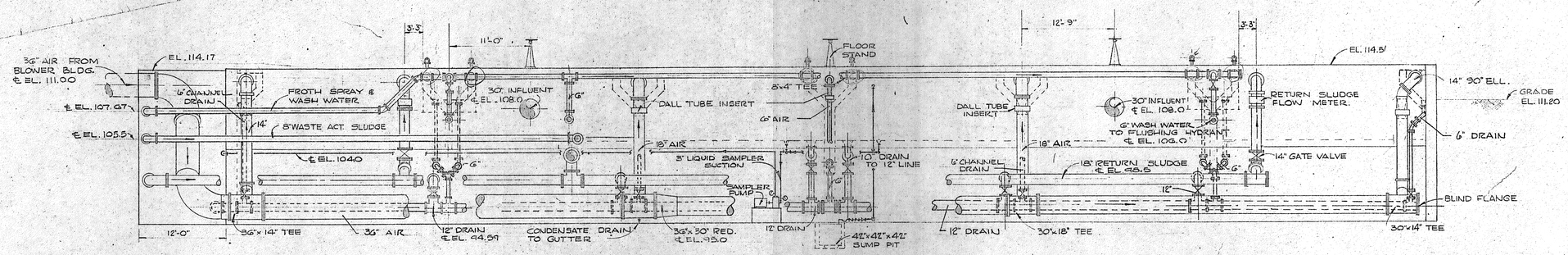
CHARLES A. MAGUIRE & ASSOCIATES
ENGINEERS
PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

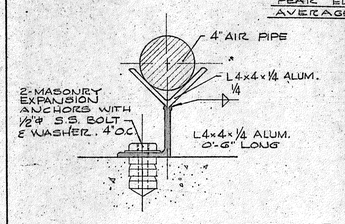
APPROVED
TOWN OF STRATFORD

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

BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
EQUIPMENT AND PIPING PLAN–SECTION

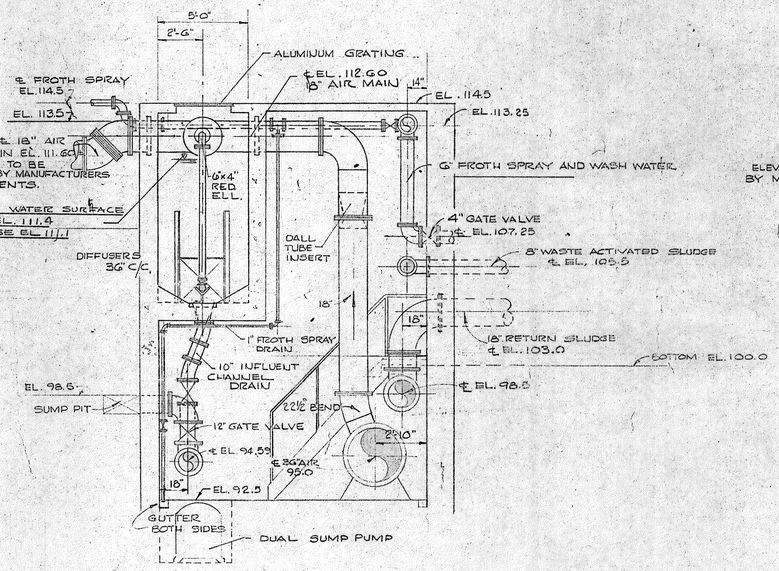
SCALE 1/8" = 1'–0"
C. A. M. No. 1165
DRAWING NO. 63




## CHANNEL DROP PIPE SUPPORT DETAIL

NO SCALE

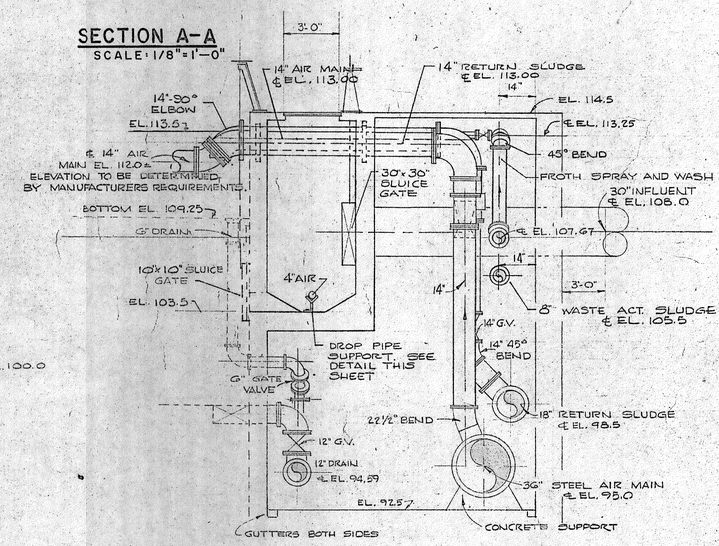



## SECTION C-C

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

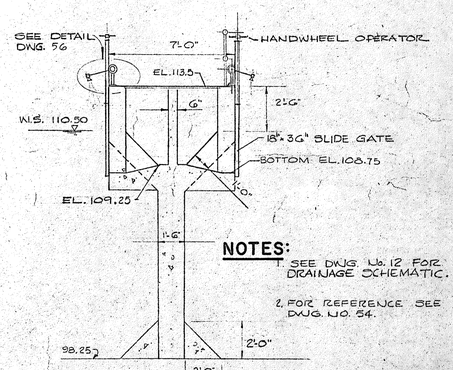
## SECTION A-A

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




## SECTION B-B

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

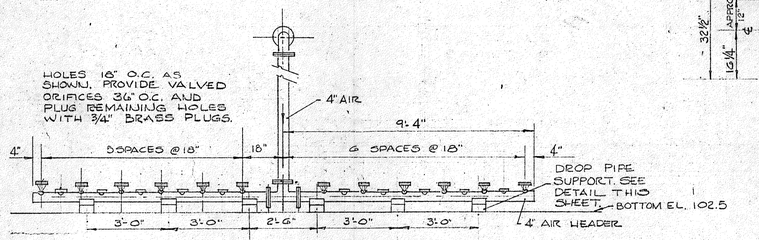



### NOTES:

1. SEE DWG. No. 12 FOR DRAINAGE SCHEMATIC.
2. FOR REFERENCE SEE DWG. NO. 54.

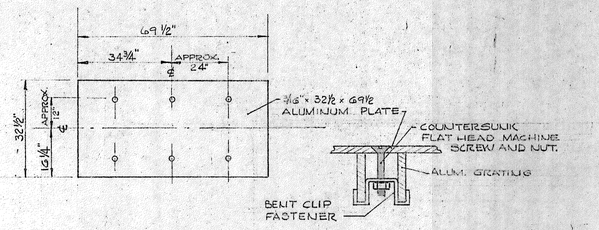
## SEWAGE FLOW GUTTER

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



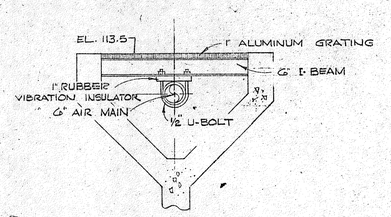

## EFFLUENT TROUGH AIR HEADER SPACING DETAIL

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



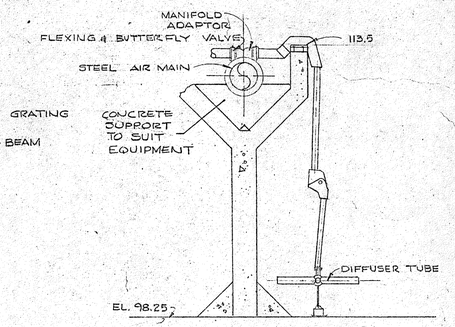

## ALUMINUM COVER PLATE DETAIL

NO SCALE




## AIR PIPING HANGER DETAIL

NO SCALE
( 6" AIR MAIN ONLY )




## AIR DIFFUSER ASSEMBLY

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

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: T. MELLO — DESIGNED: H. CAMPBELL
CHECKED: H. CAMPBELL — APPROVED: P.T. CARVER
DATE: AUGUST, 1970

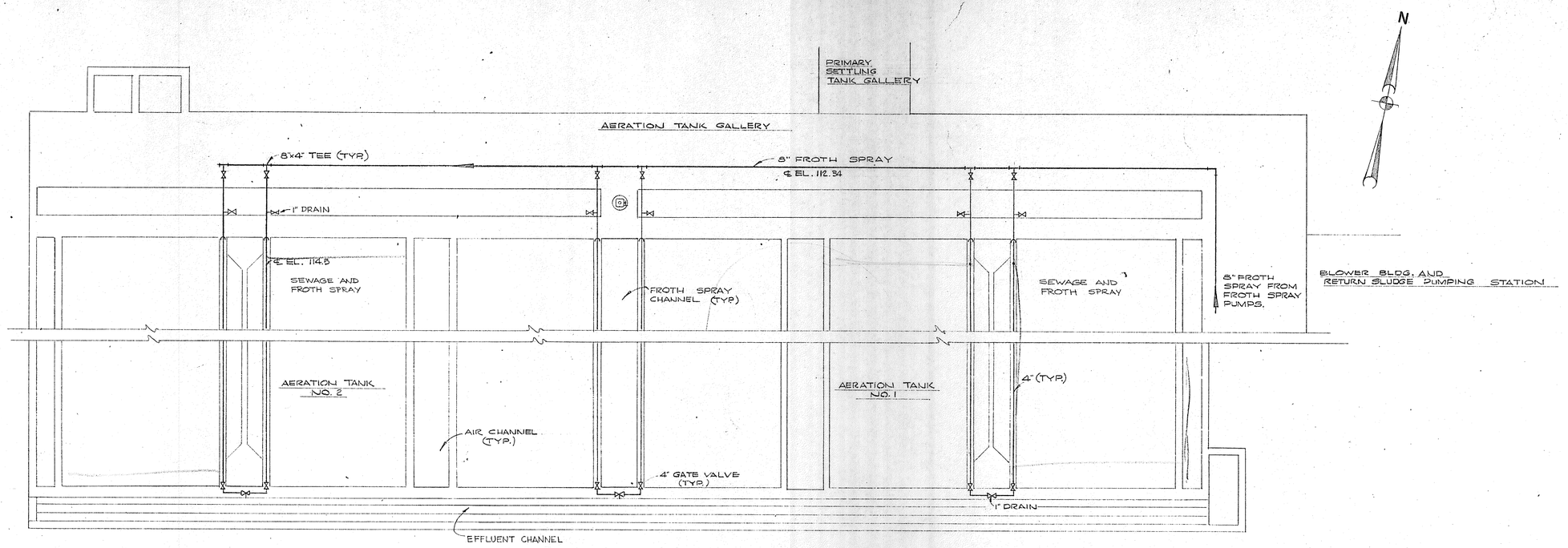
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TOWN OF STRATFORD

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

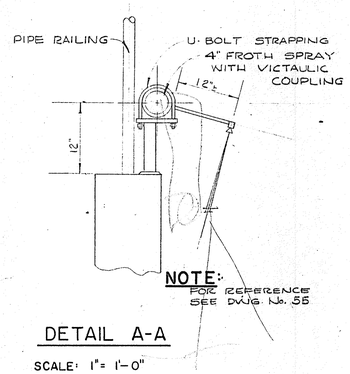
AERATION TANK
EQUIPMENT AND PIPING SECTIONS

SCALE: AS NOTED
C. A. M. NO. 1165
DRAWING NO. 55



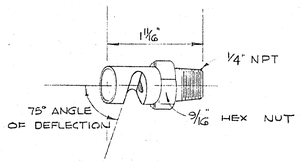

## FROTH SPRAY LOCATION PLAN

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



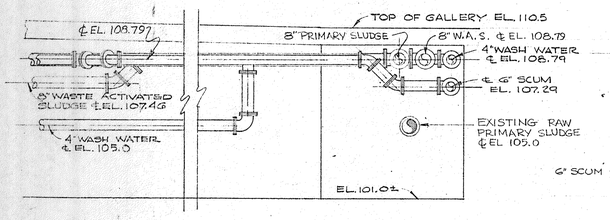

## DETAIL A-A

SCALE: 1"= 1'-0"



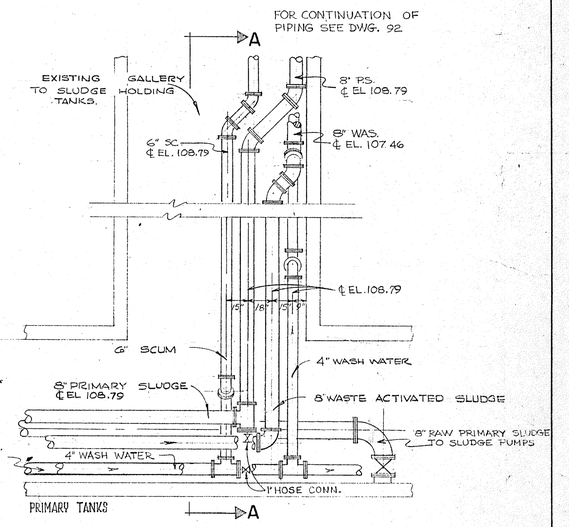

## FROTH SPRAY NOZZLE

NO SCALE




## SECTION A-A

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




## EXISTING GALLERY PLAN

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

**NOTE:**
FOR CONTINUATION OF PIPING SEE DWGS 39, 40 & 41.

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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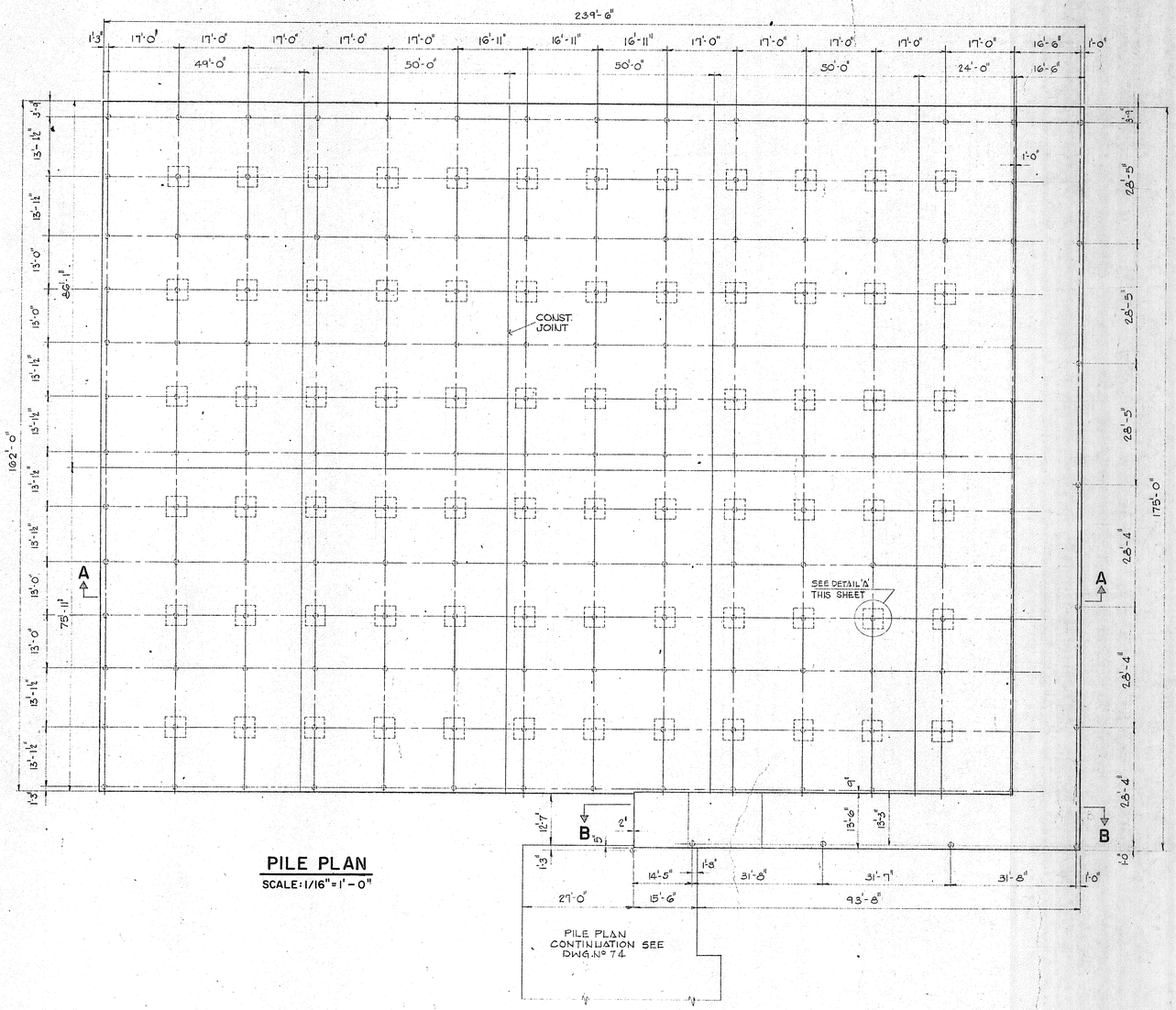
DRAWN: T. MELLO DESIGNED: H. CAMPBELL
CHECKED: H. CAMPBELL APPROVED: P.T. CARVER
DATE: AUGUST , 1970

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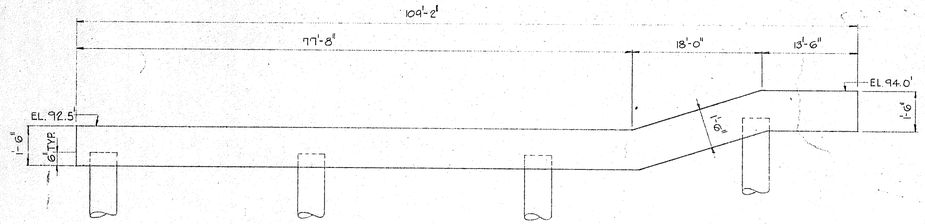
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
AERATION TANKS
EQUIPMENT AND PIPING
FROTH SPRAY SYSTEM-PLAN & DETAIL

SCALE
AS NOTED
C. A. M. NO. 1165
DRAWING NO.
56



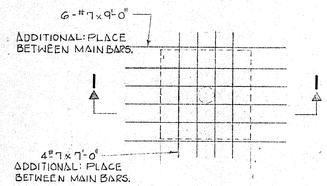

## PILE PLAN

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



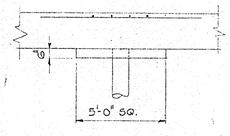

## SECTION B-B

NOT TO SCALE



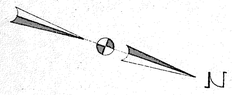

## DETAIL "A"

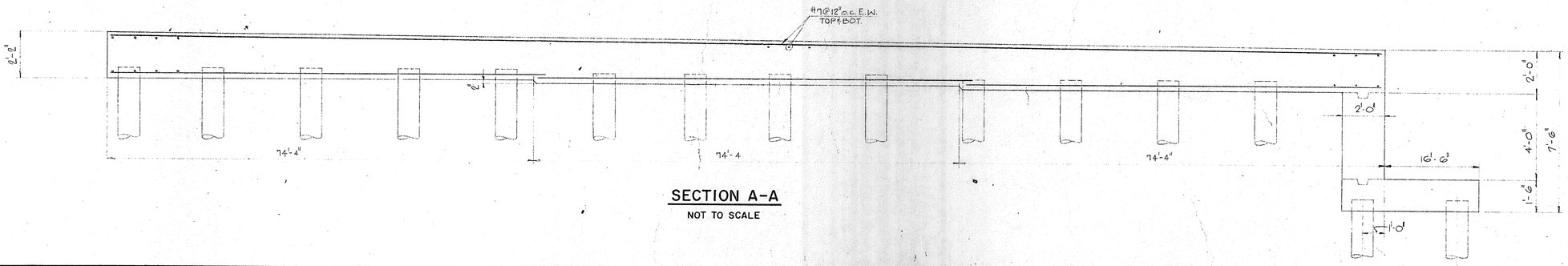
SCALE: 1/4" = 1'-0"




## SECTION 1-1

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




## SECTION A-A

NOT TO SCALE

NOTES
1. PILES SHALL BE 12 3/4" O.D. t = 3/8" COUC. FILLED PIPE PILES.
2. FOR PILE TOP DETAIL, SEE TYPICAL DETAIL DRAWING #14

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

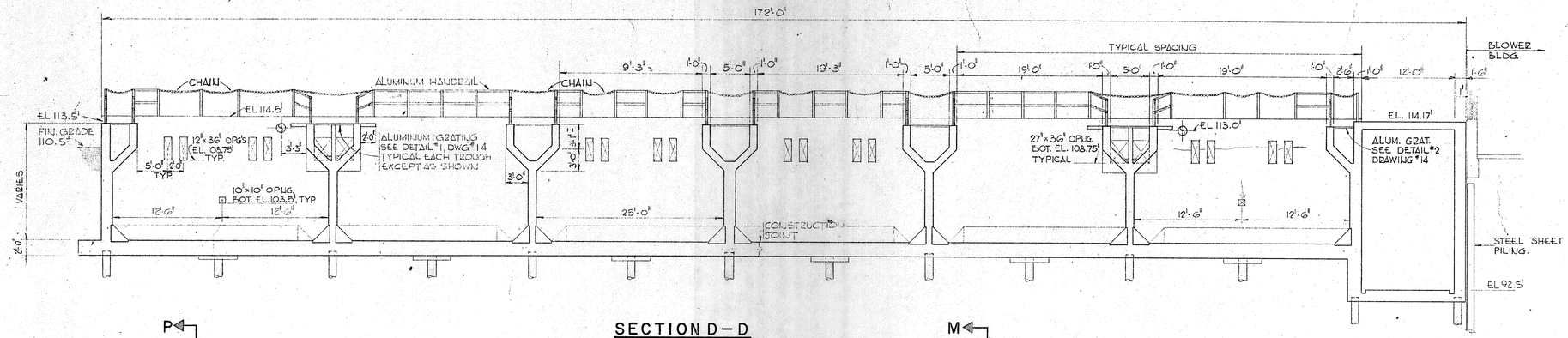
CHARLES A. MAGUIRE & ASSOCIATES
ENGINEERS
PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

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TOWN OF STRATFORD

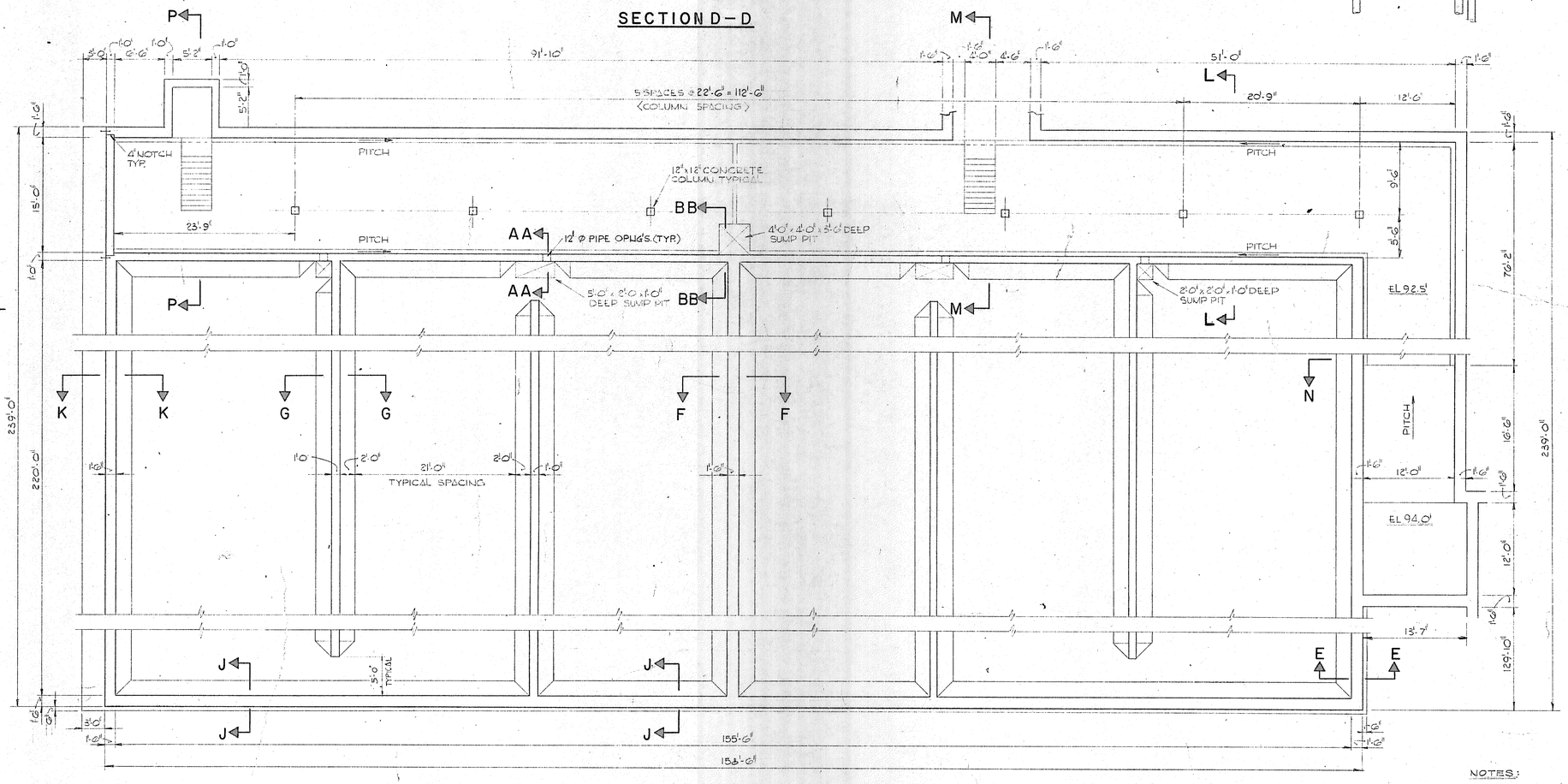
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

AERATION TANK
STRUCTURAL
PLAN - SECTION

SCALE: AS NOTED
C. A. M. NO. 1165
DRAWING NO. 57




## SECTION D–D




## PLAN AT ELEVATION 100.0

NOTES:
1. SECTIONS A-A, & B-B SEE DWG # 62
2. SECTIONS E,F,G,H,J,K,L,M,&N SEE DWG # 61
3. GENERAL STRUCTURAL NOTES SEE DWG # 14
4. TYPICAL STRUCTURAL DETAILS SEE DWG # 14
5. FOR EXACT SIZE AND LOCATION OF PIPE OPENINGS SEE HYDRAULIC DWGS. 54 & 55

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

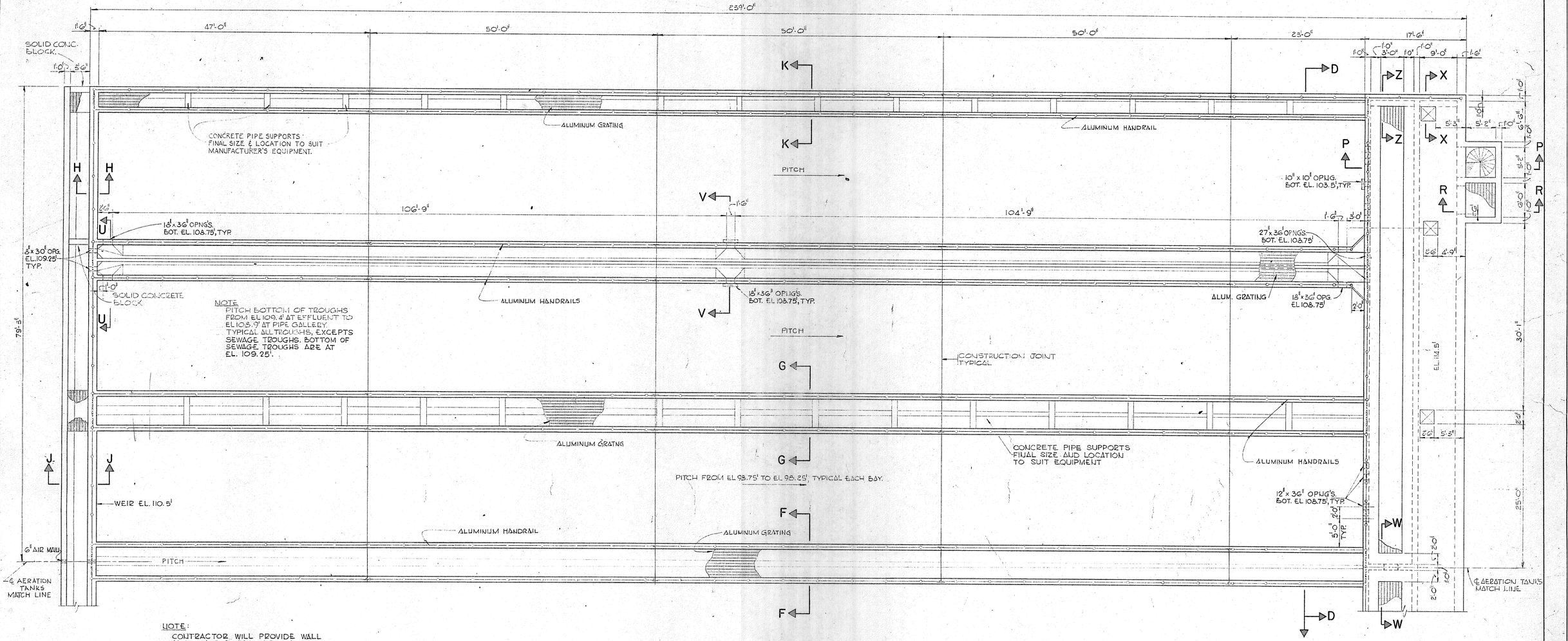
CHARLES A. MAGUIRE & ASSOCIATES ENGINEERS
PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED
TOWN OF STRATFORD

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

AERATION TANK
STRUCTURAL PLAN—SECTION

SCALE 1/8" = 1'-0"
C. A. M. NO. 1165
DRAWING NO. 58




NOTE:
CONTRACTOR WILL PROVIDE WALL ANCHORAGE AT EACH AIR HEADER TO FIT DIMENSIONS REQUIRED BY PORTABLE HYDRAULIC HOIST ASSEMBLY FURNISHED BY MANUFACTURER.

## PLAN AT ELEVATION 113.5

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

NOTES
1. SECTION D SEE DWG.# 58
2. SECTIONS F, G, H, J, K & L SEE DWG.# 61
3. SECTIONS P, R, U, V, W, X, Y & Z SEE DWG.# 62
4. GENERAL STRUCTURAL NOTES SEE DWG.# 14
5. TYPICAL STRUCTURAL DETAILS SEE DWG.# 14
6. FOR EXACT SIZE AND LOCATION OF PIPE OPENINGS SEE DRAWINGS 54 & 55

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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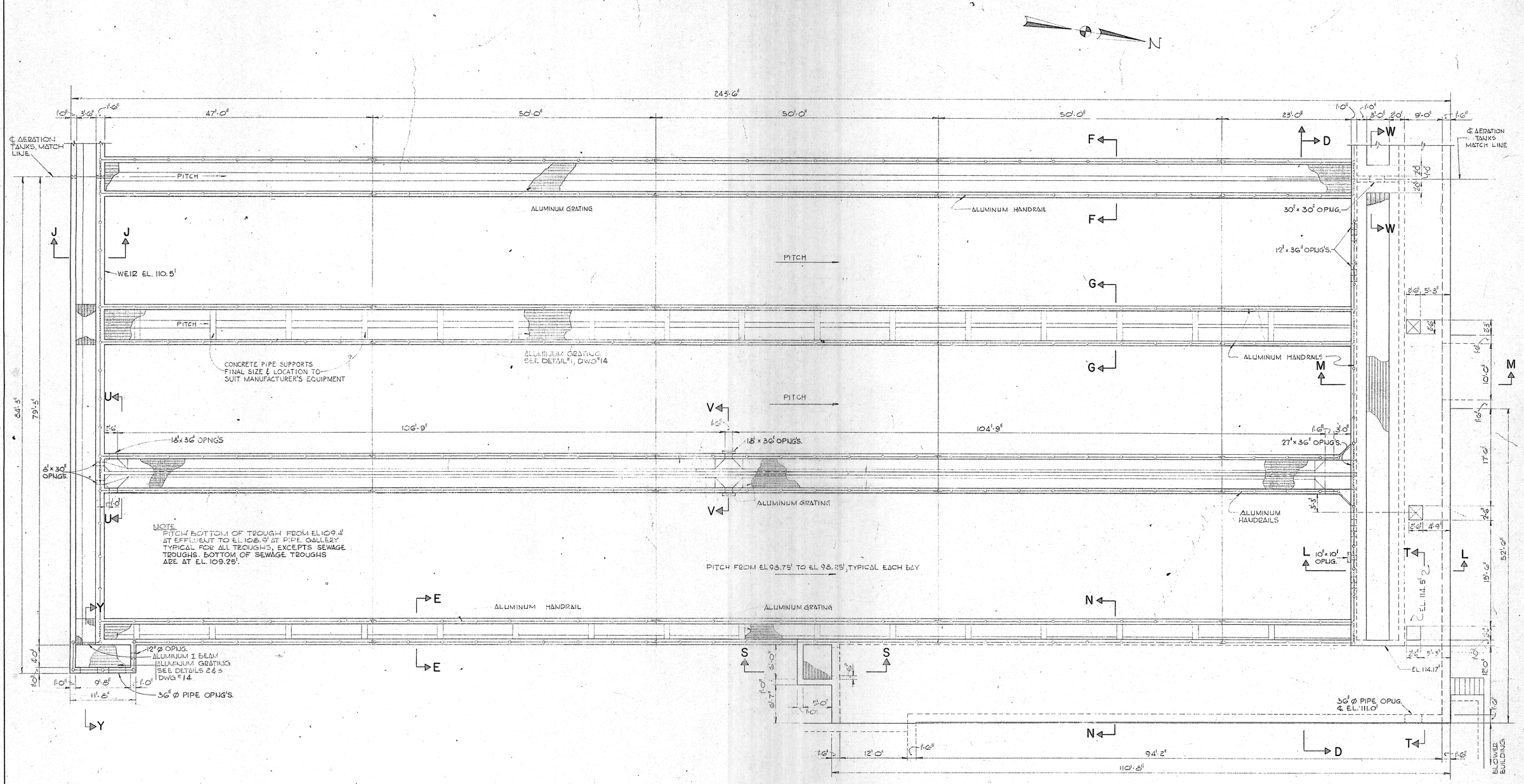
DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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ENGINEERS
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APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
AERATION TANKS
STRUCTURAL
PLAN AT ELEVATION 113.5

SCALE AS NOTED
C. A. M. NO. 1165
DRAWING NO. 59




## PLAN AT ELEVATION 113.5

NOTES :

1. SECTION D SEE DWG. "58
2. SECTIONS E, F, G, J, L, M AND N SEE DWG. No. 61
3. SECTIONS S, T, U, V, W, X, Y, & Z SEE DWG. No. 62
4. GENERAL STRUCTURAL NOTES SEE DWG. No. 14
5. TYPICAL STRUCTURAL DETAILS SEE DWG. No. 14
6. FOR EXACT SIZE AND LOCATION OF PIPE OPENINGS SEE DRAWINGS 54 & 55

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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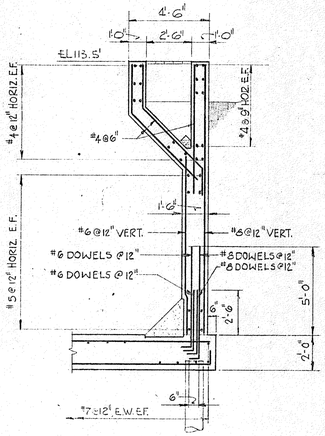
DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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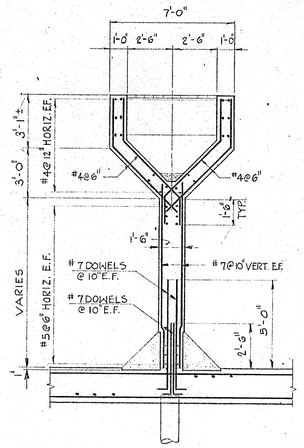
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TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
AERATION TANKS
STRUCTURAL
PLAN AT ELEVATION 113.5

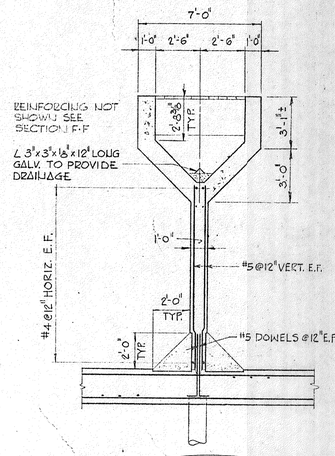
SCALE
1/8" = 1'-0"
C. A. M. NO. 1165
DRAWING NO.
60



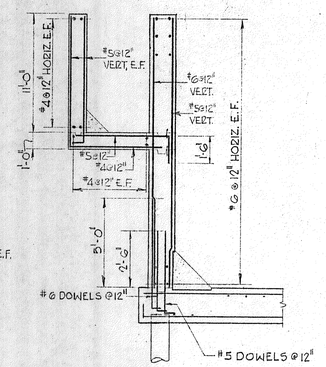

## SECTION E-E
SCALE: 1/4" = 1'-0"



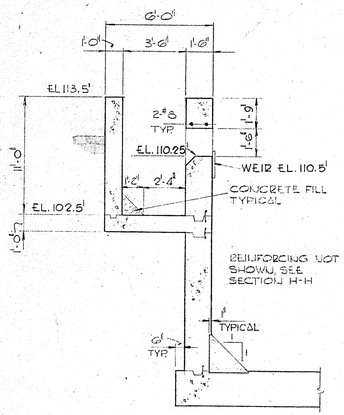

## SECTION F-F
SCALE: 1/4" = 1'-0"



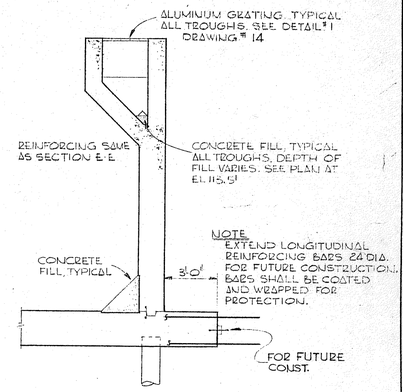

## SECTION G-G
SCALE: 1/4" = 1'-0"



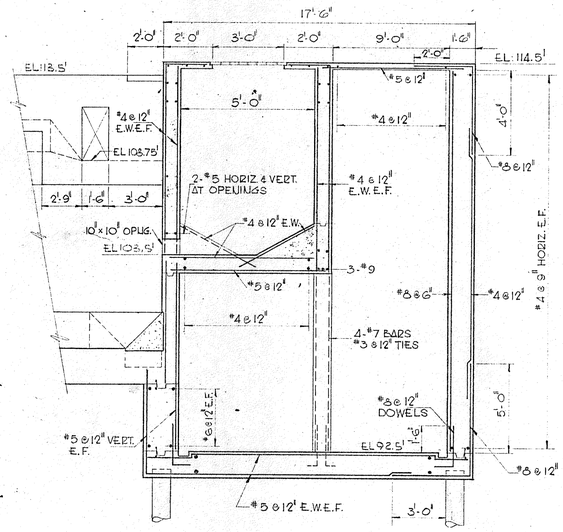

## SECTION H-H
SCALE: 1/4" = 1'-0"



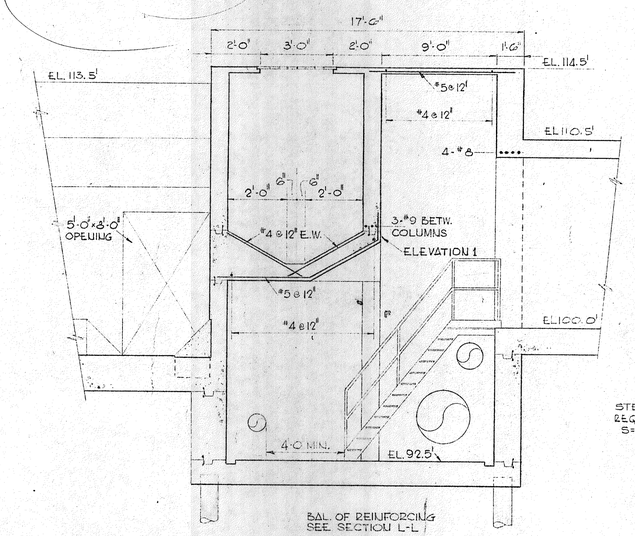

## SECTION J-J
SCALE: 1/4" = 1'-0"



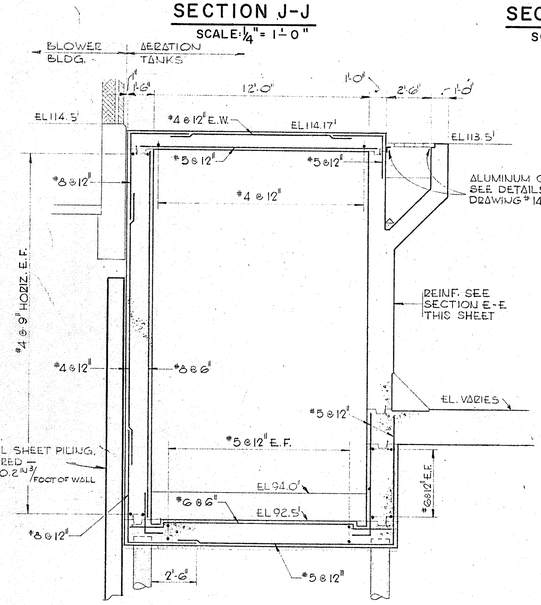

## SECTION K-K
SCALE: 1/4" = 1'-0"



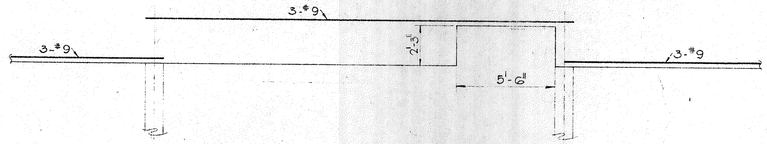

## SECTION L-L
SCALE: 1/4" = 1'-0"




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




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




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

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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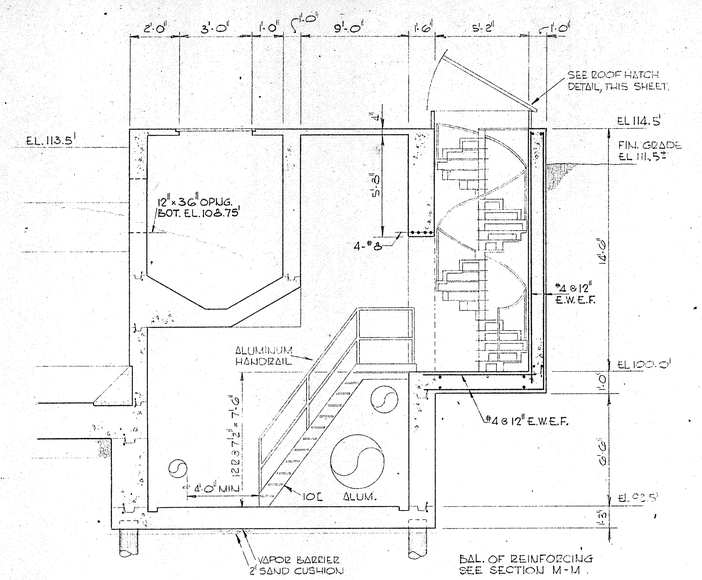
DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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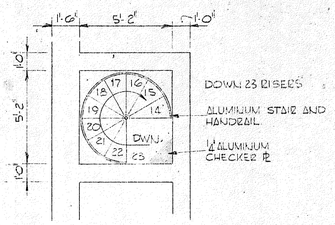
APPROVED
TOWN OF STRATFORD

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

SCALE: AS NOTED
C. A. M. NO. 1165
DRAWING NO. 61



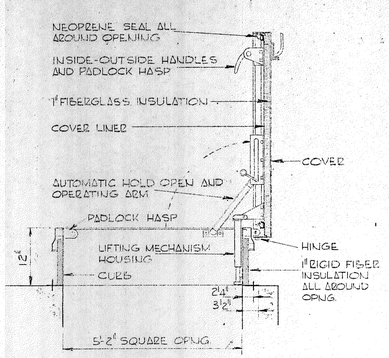

SECTION P-P
SCALE: 1/4" = 1'-0"




PLAN AT TOP

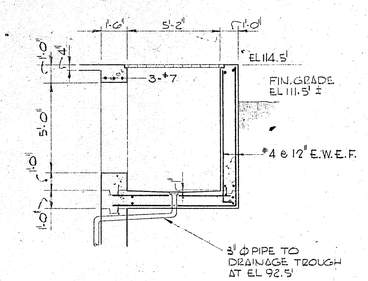
PLAN AT BOTTOM

SPIRAL STAIR PLANS
SCALE: 1/4"= 1'-0"

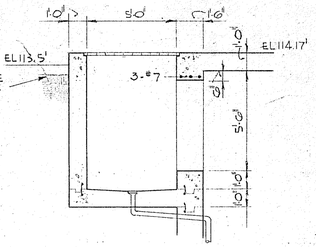



ROOF HATCH DETAIL
NOT TO SCALE

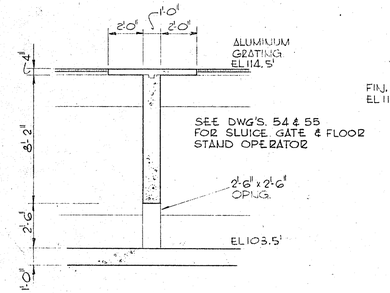
NOTE:
ROOF HATCH SHALL BE BILCO TYPE "S.S." OR EQUAL.



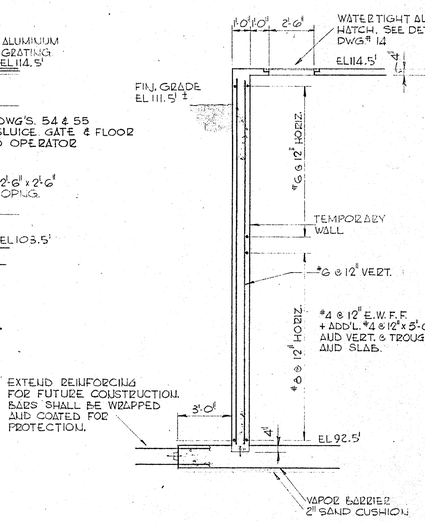

SECTION R-R
SCALE: 1/4" = 1'-0"



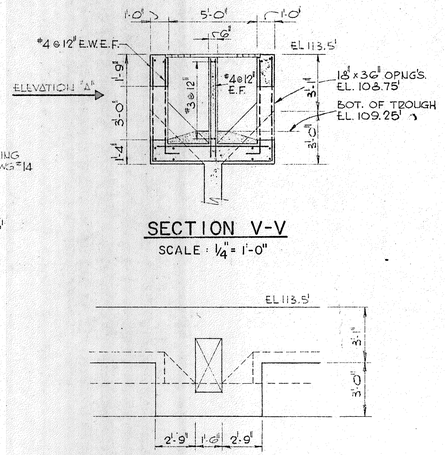

SECTION S-S
SCALE: 1/4" = 1'-0"




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

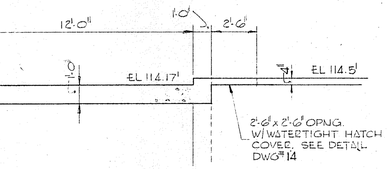



SECTION X-X
SCALE: 1/4" = 1'-0"

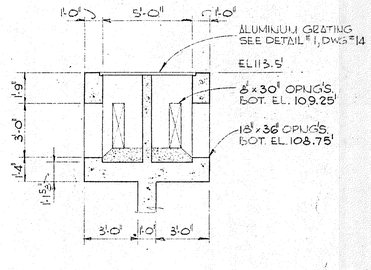



SECTION V-V
SCALE: 1/4" = 1'-0"

ELEVATION "A"



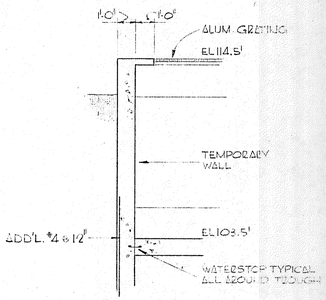

SECTION T-T
SCALE: 1/4" = 1'-0"



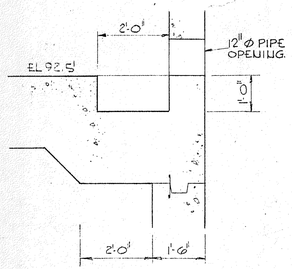

SECTION U-U
SCALE: 1/4" = 1'-0"



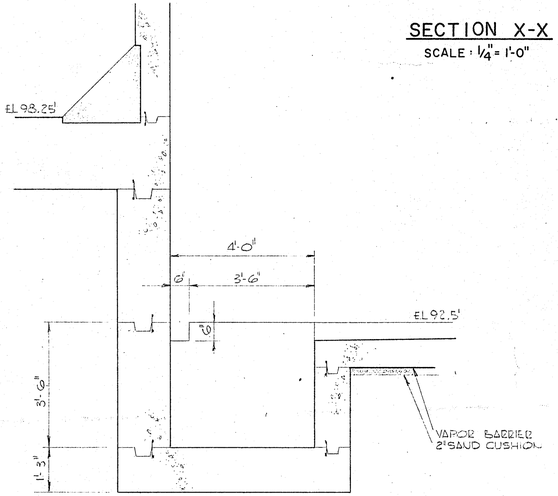

SECTION Y-Y
SCALE: 1/4" = 1'-0"




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




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




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

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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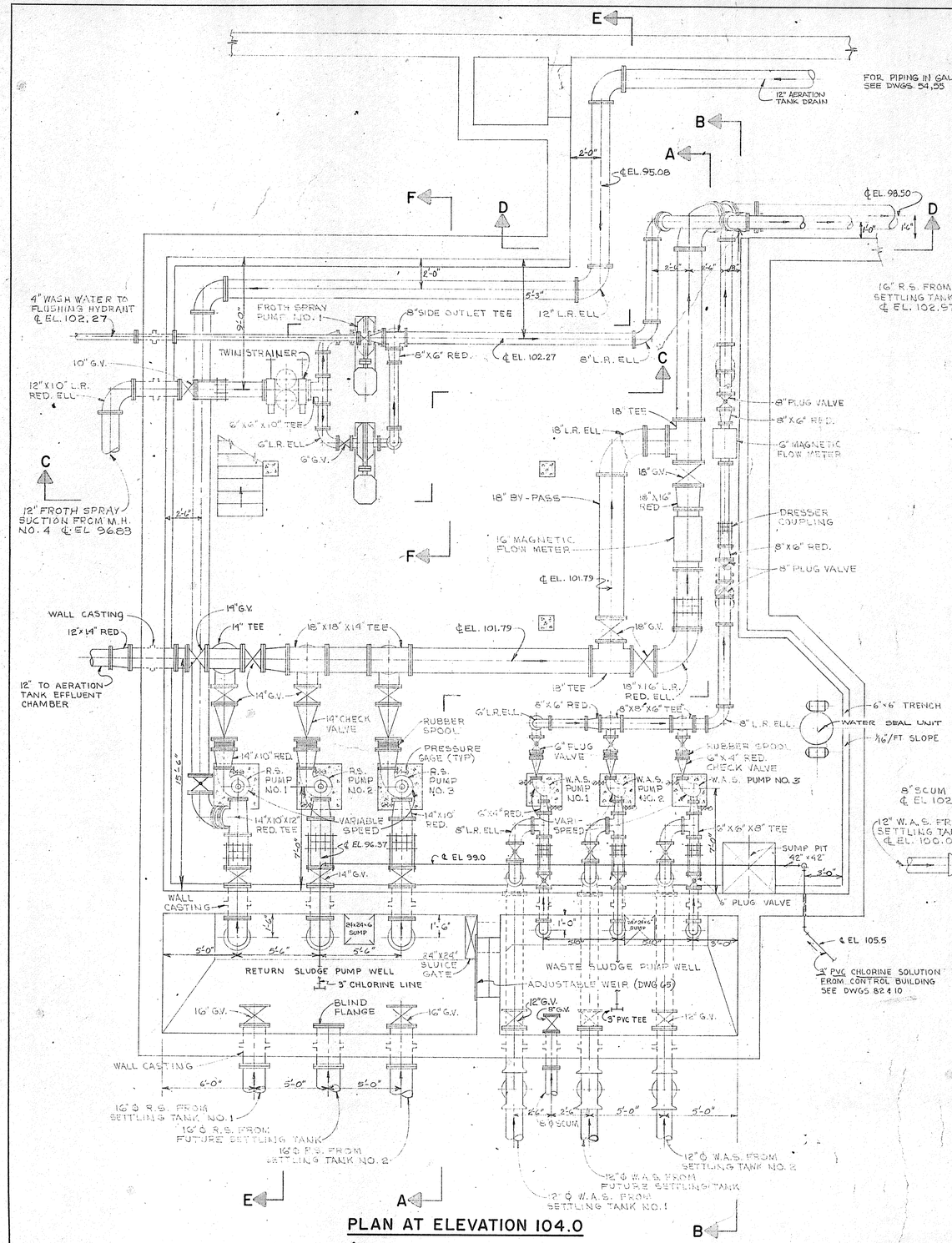
DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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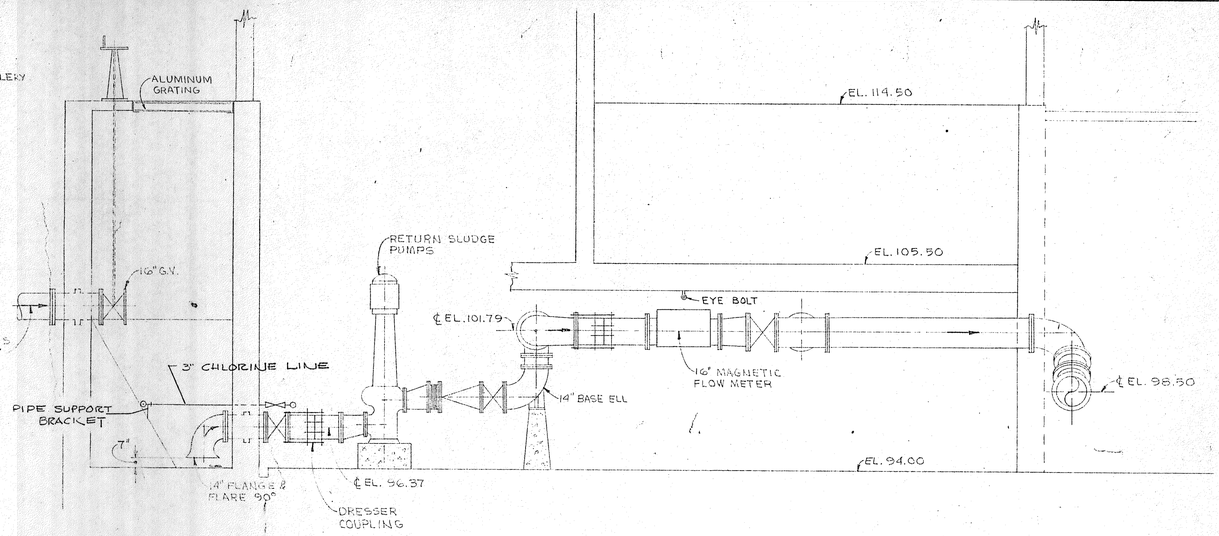
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TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
AERATION TANKS
STRUCTURAL

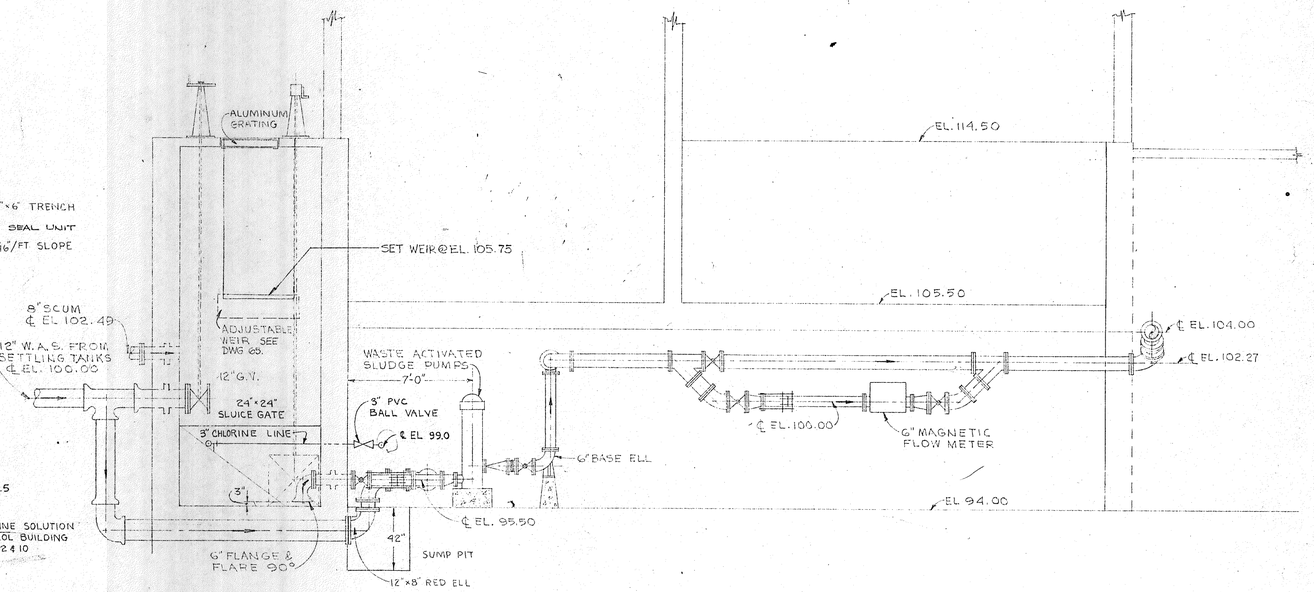
SCALE
AS NOTED
C. A. M. NO. 1165
DRAWING NO.
62




## PLAN AT ELEVATION 104.0




## SECTION A-A




## SECTION B-B

**NOTE:**
1. FOR SECTIONS "C-C" "D-D", "E-E" AND "F-F" SEE DWG. NO. 65
2. ALL DRESSER COUPLINGS TO BE SECURED WITH TIE RODS.

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: J.Y. PION DESIGNED: P.T. CARVER
CHECKED: P. T. CARVER APPROVED: P.T. CARVER
DATE: AUGUST, 1970

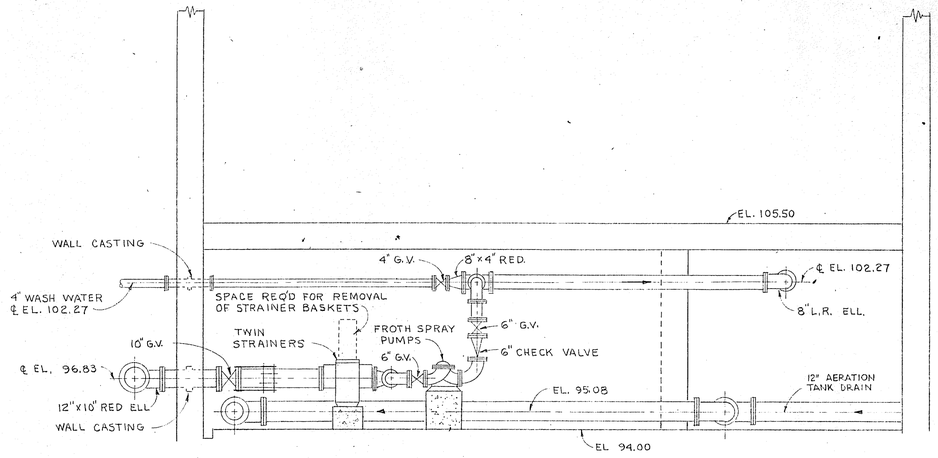
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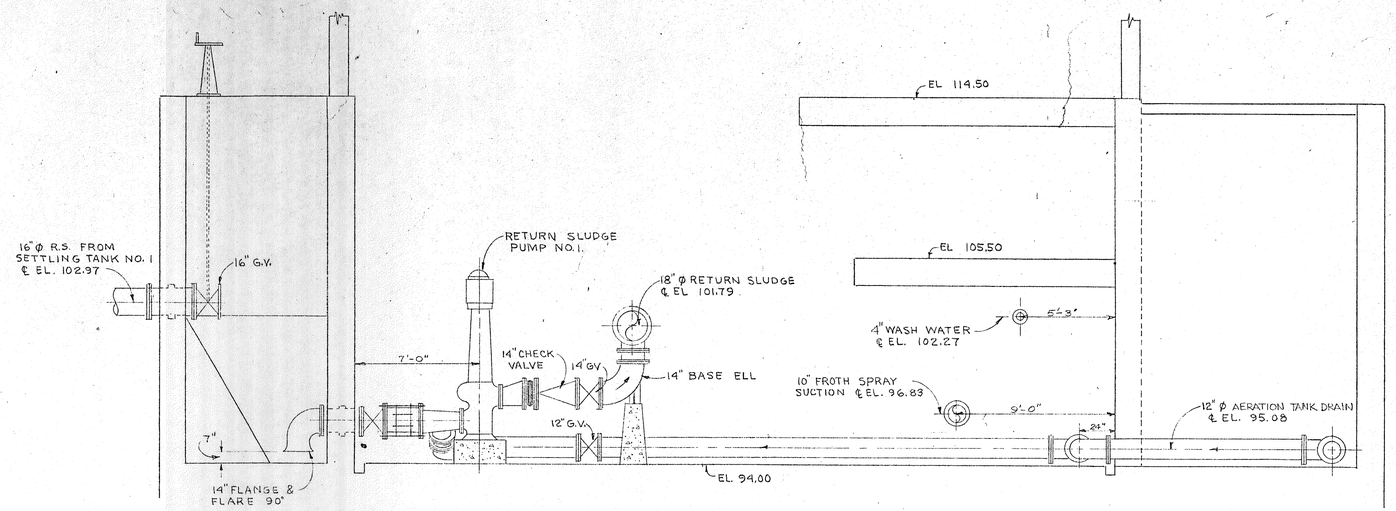
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
EQUIPMENT AND PIPING
PLAN—SECTION

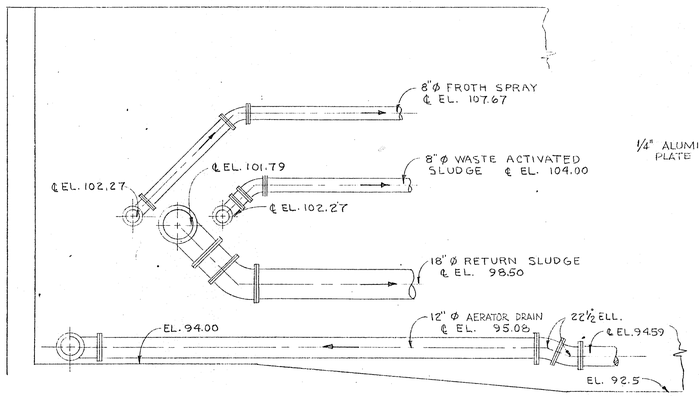
SCALE 1/4" = 1'-0"
C. A. M. NO. 1165
DRAWING NO. 64



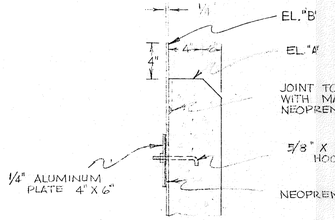

## SECTION C-C
SCALE: 1/4" = 1'-0"



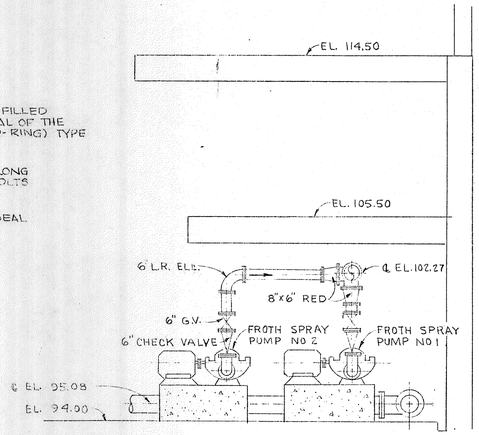

## SECTION E-E
SCALE: 1/4" = 1'-0"




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



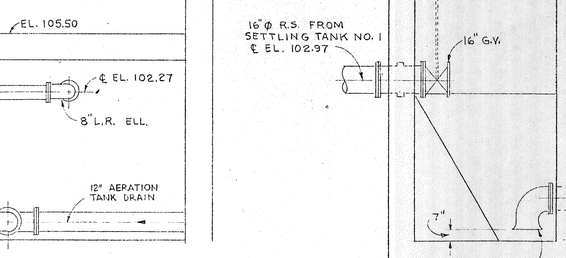

## SECTION G-G



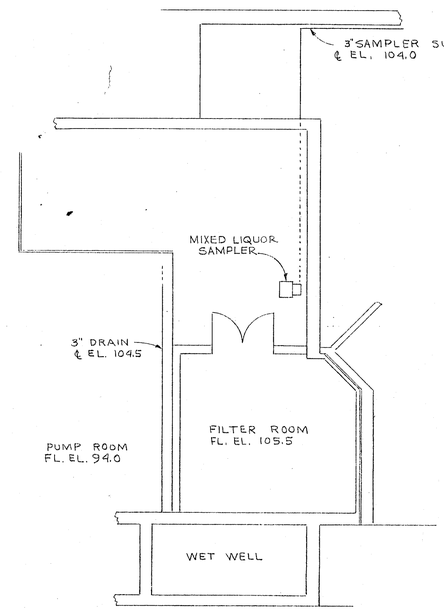

## SECTION F-F
SCALE: 1/4" = 1'-0"

| LOCATION OF WEIR | LENGTH "L" | LENGTH "M" | WALL EL. "A" | MAX. EL. "B" | MIN. EL. "C" |
|---|---|---|---|---|---|
| GRIT CHAMBER | 9' | 11" | 96.25 | 96.83 | 96.25 |
| AERATION TANK | 19' | 9" | 110.25 | 110.58 | 110.25 |
| R.S. WET WELL | 4' | 9" | 105.50 | 105.83 | 105.50 |

FOR LOCATION OF WEIRS SEE DWGS 20,594 64




## ADJUSTABLE WEIR DETAIL - ELEVATION




## PLAN AT ELEVATION 105.5
SCALE: 1/8" = 1'-0"

**NOTE:** FOR REFERENCE SEE DWG No. G4.

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: J. PION DESIGNED: H. CAMPBELL
CHECKED: H. CAMPBELL APPROVED: P.T. CARVER
DATE: AUGUST, 1970

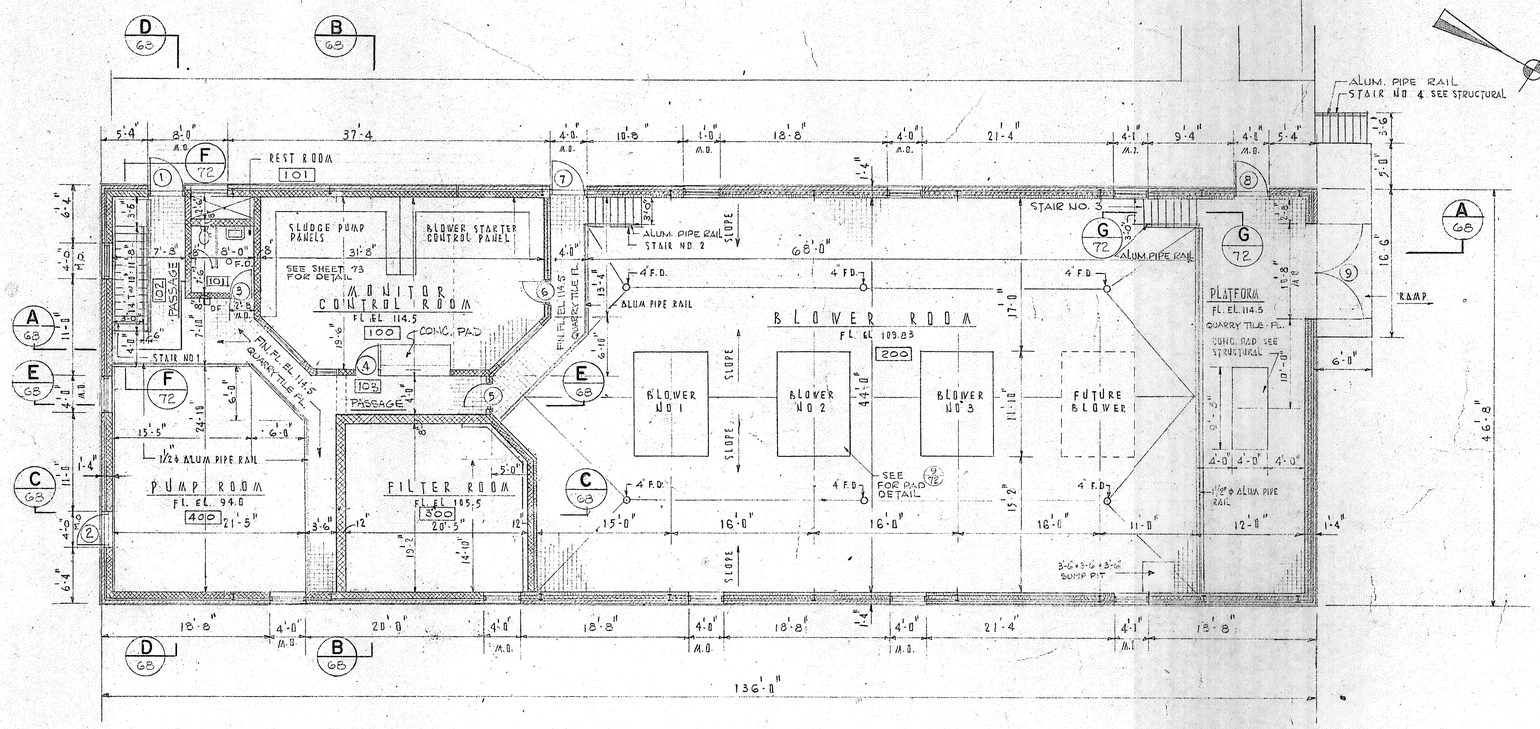
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PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

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TOWN OF STRATFORD

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

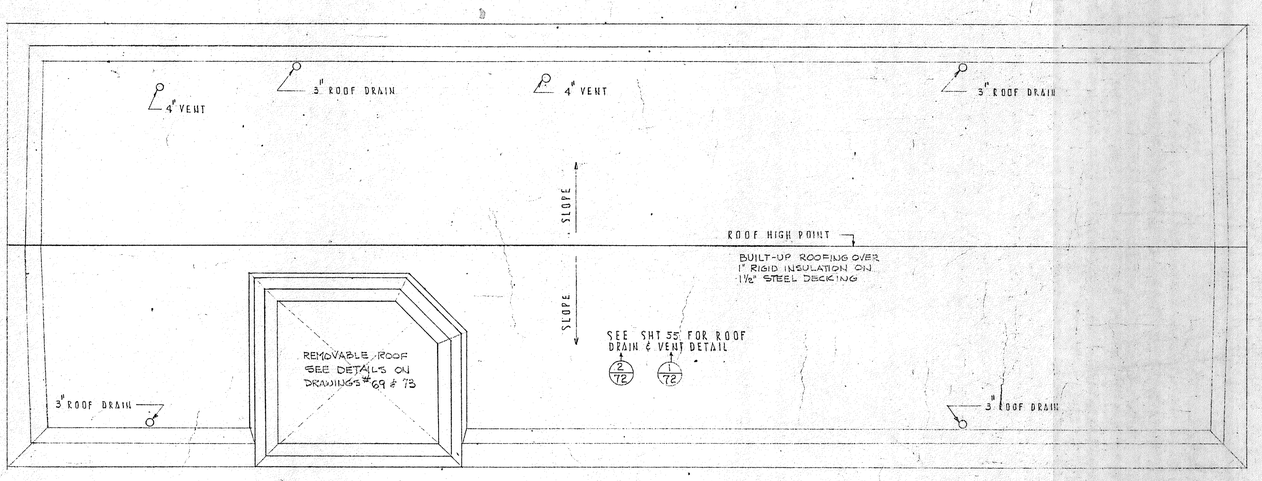
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
EQUIPMENT AND PIPING SECTIONS

SCALE AS NOTED
C. A. M. NO. 1165
DRAWING NO. 65



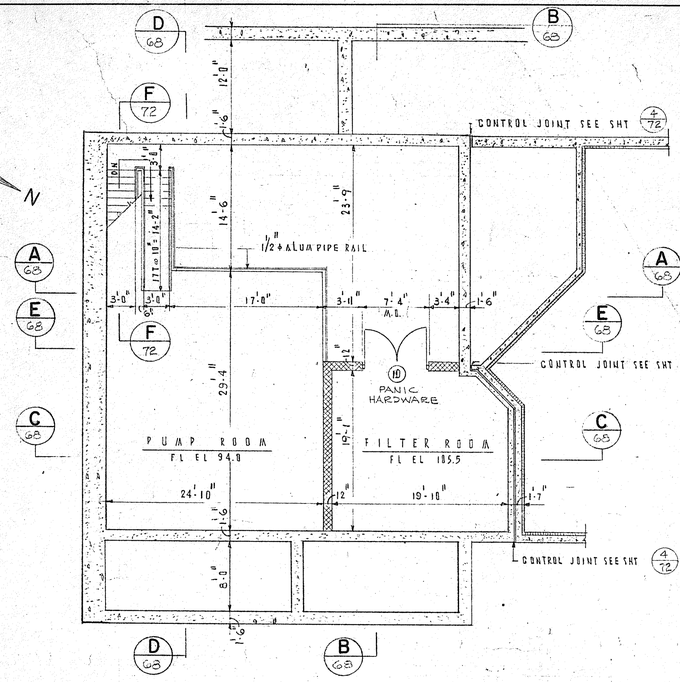

## PLAN AT ELEVATION 114.5

SCALE 1/8" = 1'-0"




## ROOF PLAN

SCALE 1/8" = 1'-0"




## PLAN AT ELEVATION 105.5

SCALE 1/8" = 1'-0"




## PLAN AT ELEVATION 94.0

SCALE 1/8" = 1'-0"

### LEGEND OF MATERIALS

- CONCRETE
- BRICK
- CONCRETE MASONRY UNITS
- GLAZED STRUCTURAL ACOUSTIC TILE

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: C. HARRIS — DESIGNED: R. HAMILTON

CHECKED: R. HAMILTON — APPROVED: P. T. CARVER

DATE: AUGUST, 1970

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

APPROVED

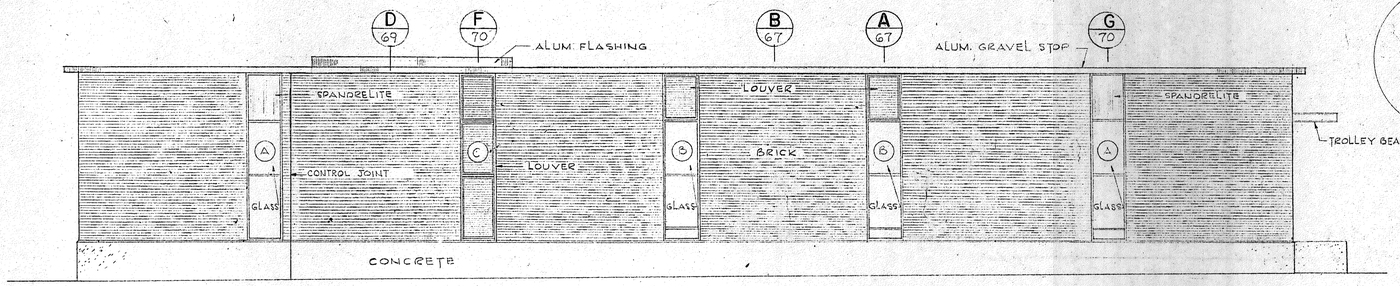
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
ARCHITECTURAL
PLANS AT ELEVATIONS 114.5-105.5-94.0

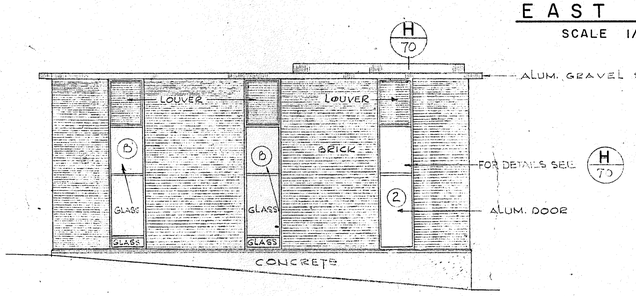
SCALE 1/8"=1'-0"

C. A. M. NO. 1165

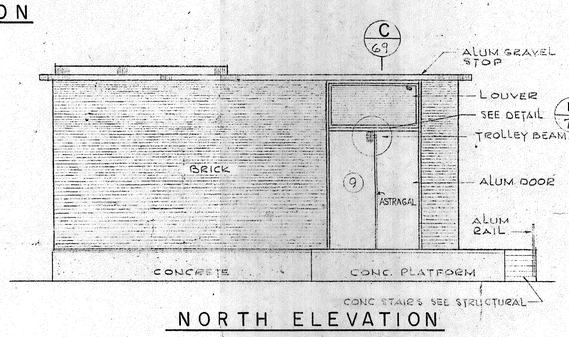
DRAWING NO. 66



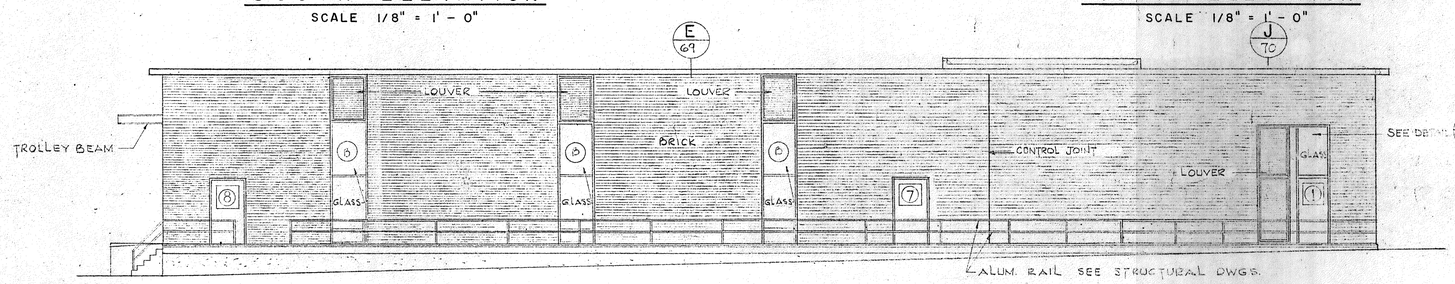

## EAST ELEVATION
SCALE 1/8" = 1' - 0"



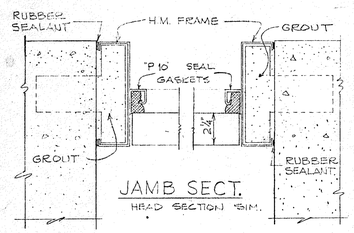

## SOUTH ELEVATION
SCALE 1/8" = 1' - 0"

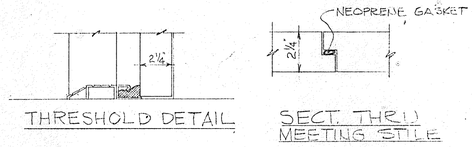



## NORTH ELEVATION
SCALE 1/8" = 1' - 0"

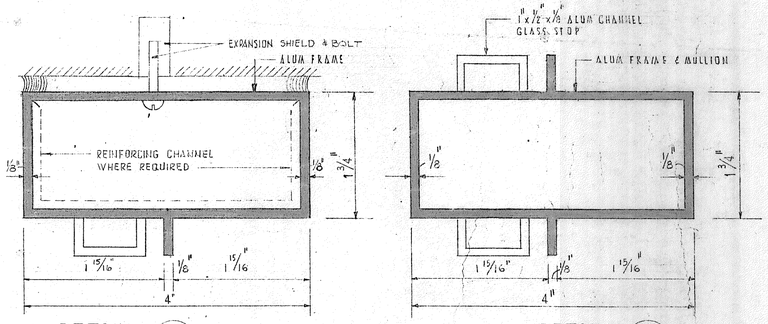



## WEST ELEVATION
SCALE 1/8" = 1' - 0"



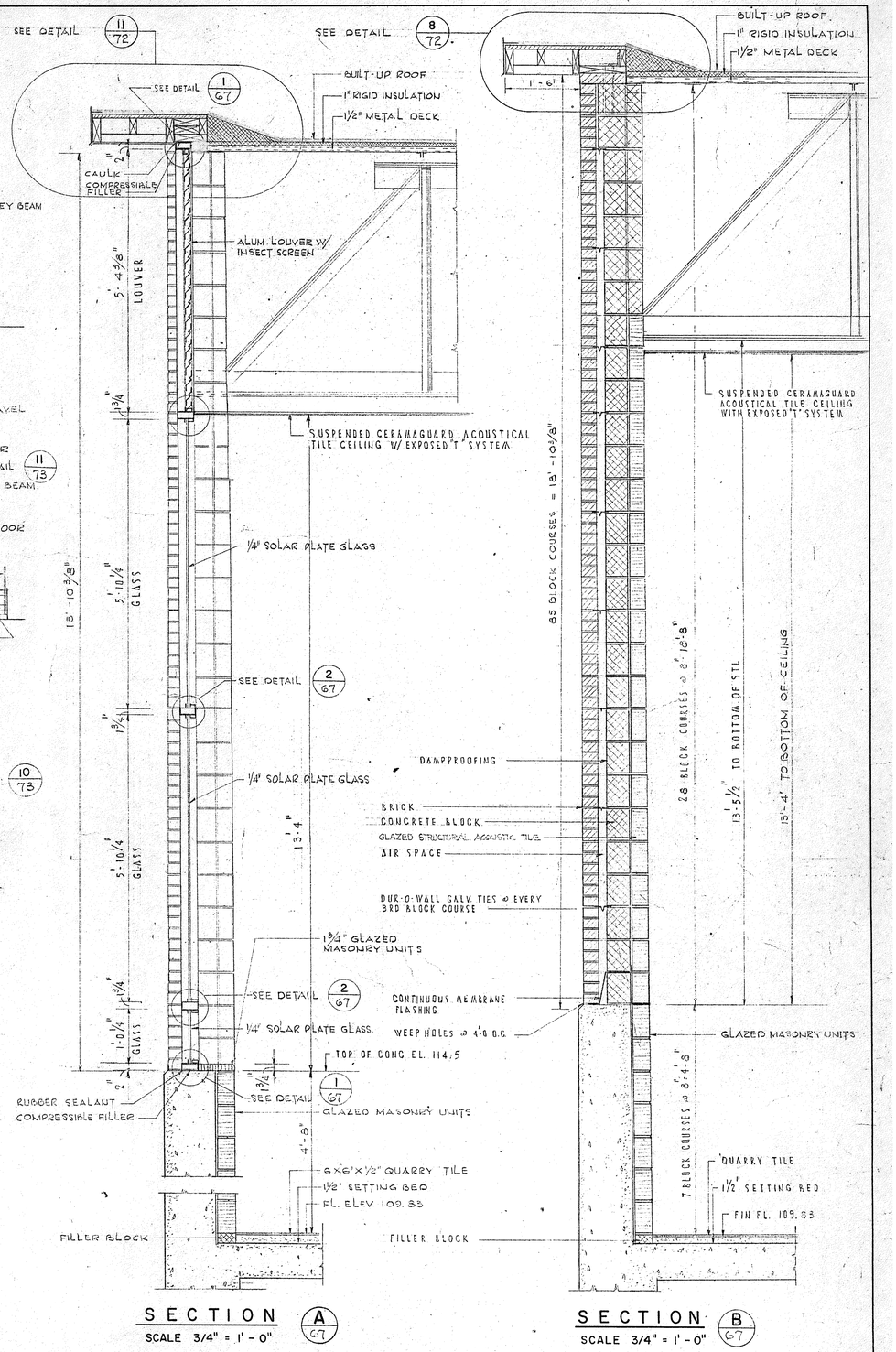

## DETAILS OF WATERTIGHT DOOR FRAMES
SCALE: 3" = 1'-0"




DETAIL 1 (67-70)

## ALUMINUM FRAMES
FULL SIZE

DETAIL 2 (67-70)




## SECTION A
SCALE 3/4" = 1' - 0"

## SECTION B
SCALE 3/4" = 1' - 0"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
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| | | | | | | | |

DRAWN: C. HARRIS 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.

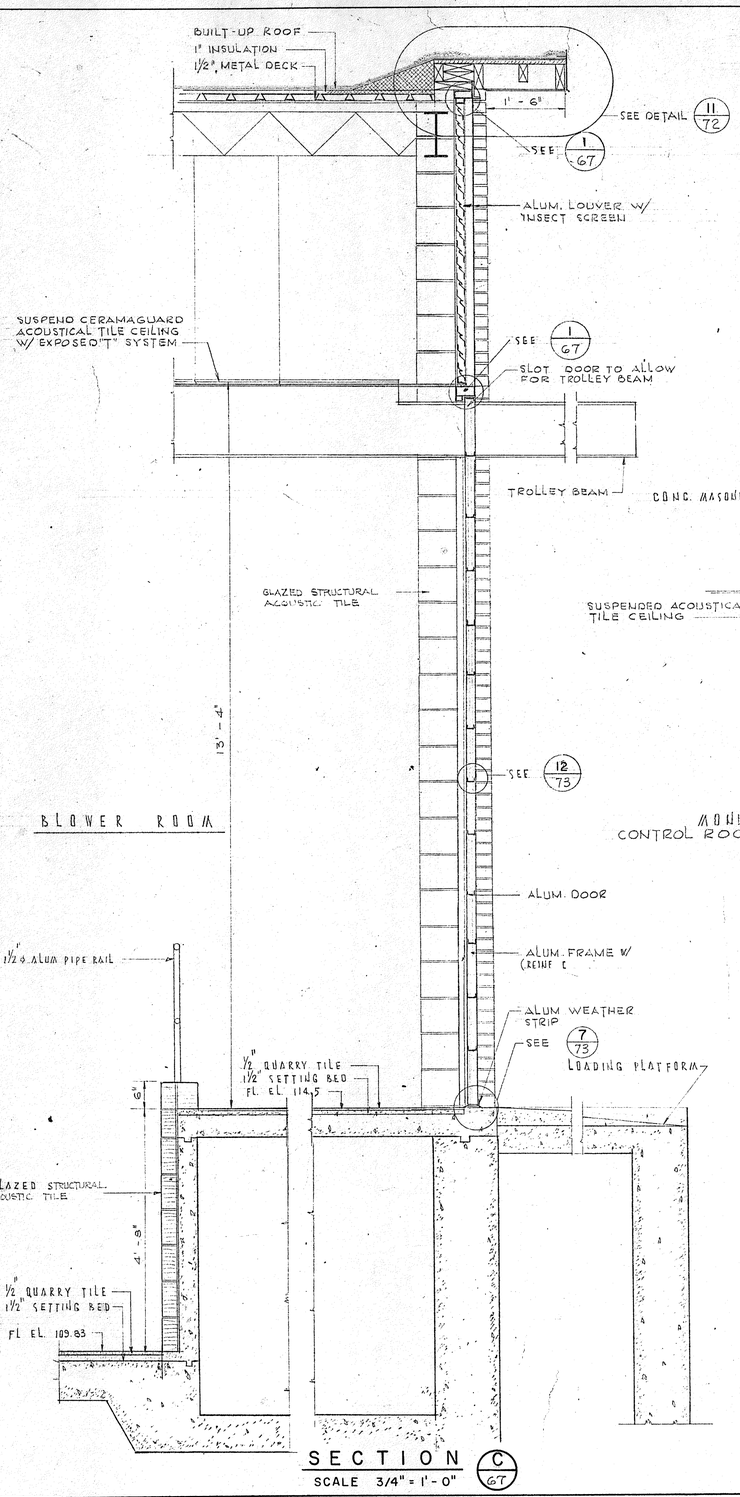
APPROVED
TOWN OF STRATFORD

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

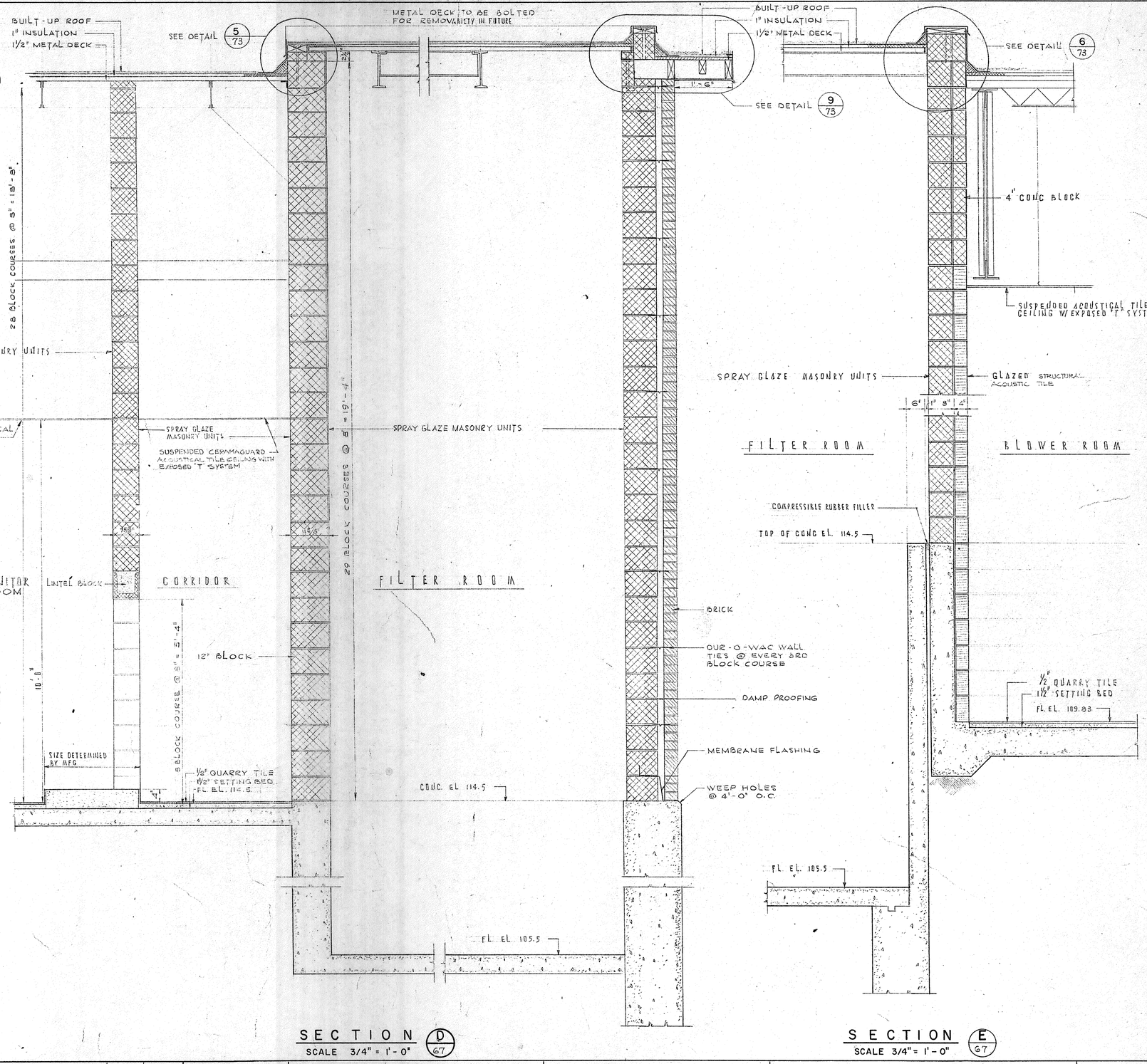
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION

# ARCHITECTURAL ELEVATIONS AND WALL SECTIONS

SCALE: AS NOTED
C. A. M. NO. 1165
DRAWING NO. 67




SECTION C/67
SCALE 3/4" = 1'-0"




SECTION D/67
SCALE 3/4" = 1'-0"

SECTION E/67
SCALE 3/4" = 1'-0"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
|---|---|---|---|---|---|---|---|
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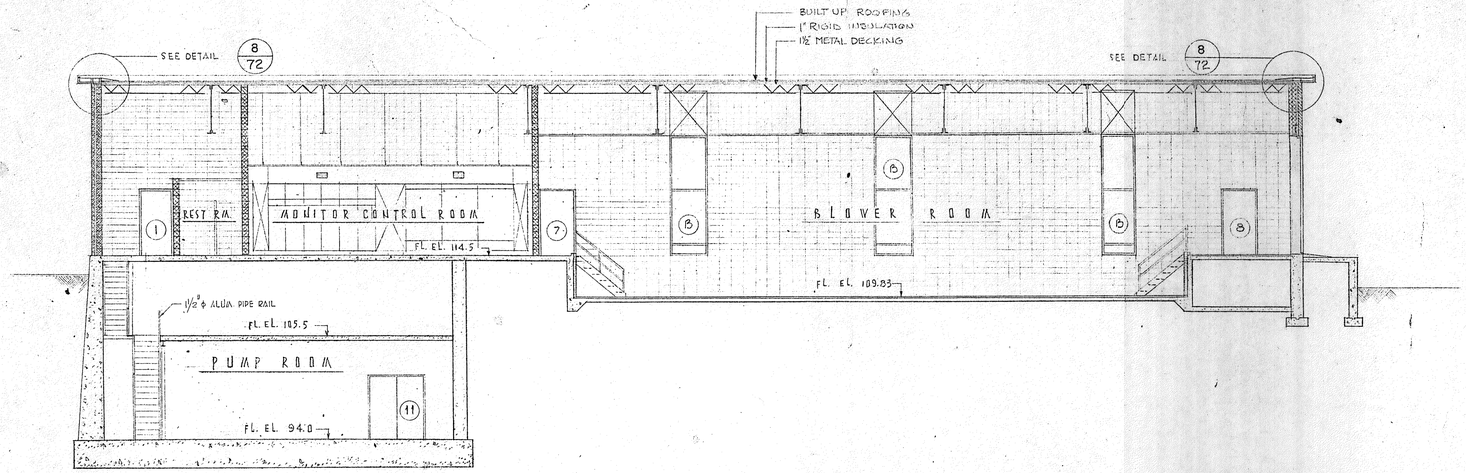
DRAWN: C. HARRIS — DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON — APPROVED: P. T. CARVER
DATE: AUGUST, 1970

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

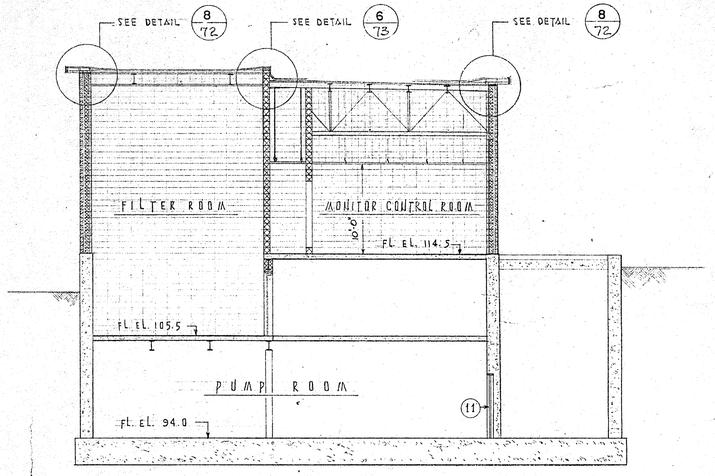
APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
ARCHITECTURAL
WALL SECTIONS-NO 1

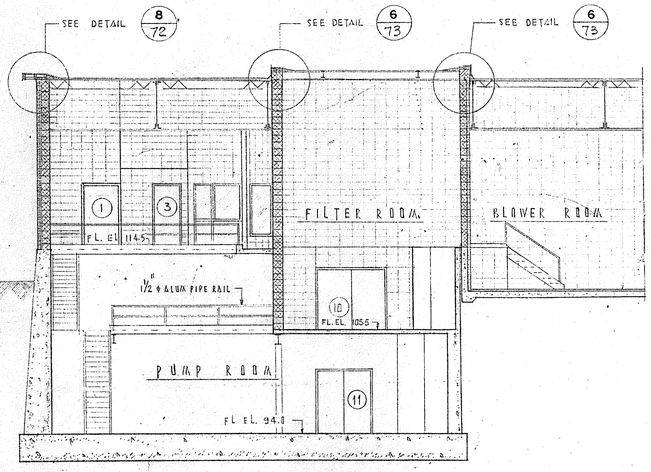
SCALE 3/4"=1'-0"
C. A. M. NO. 1165
DRAWING NO. 69



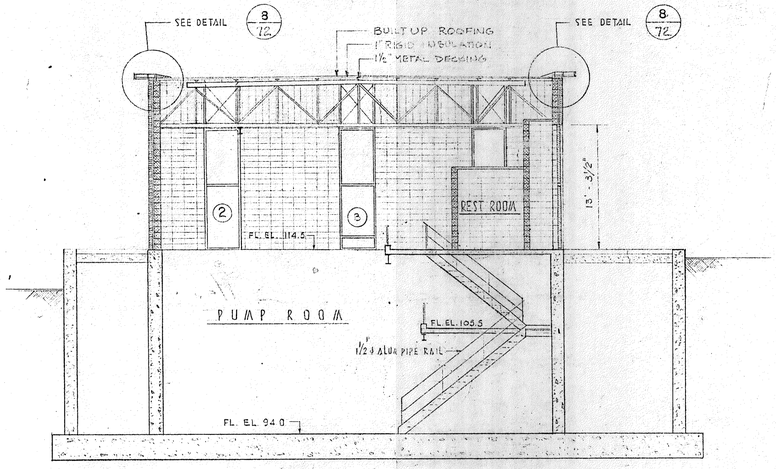

SECTION A
SCALE 1/8" = 1'-0" (66)



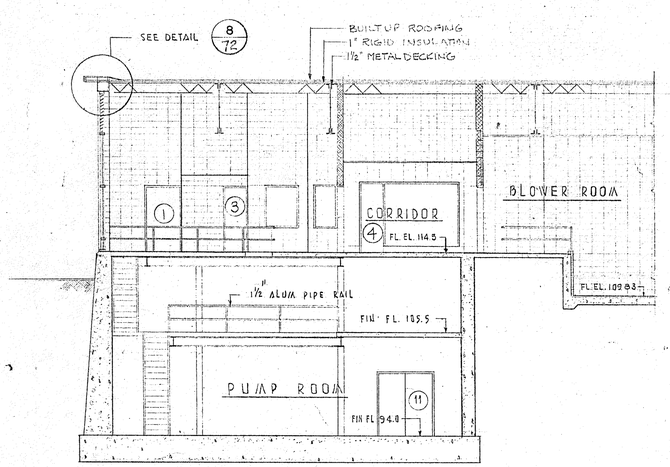

SECTION B
SCALE 1/8" = 1'-0" (66)




SECTION C
SCALE 1/8" = 1'-0" (66)




SECTION D
SCALE 1/8" = 1'-0" (66)




SECTION E
SCALE 1/8" = 1'-0" (66)

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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STATE OF CONNECTICUT REGISTERED ARCHITECT No. 5171

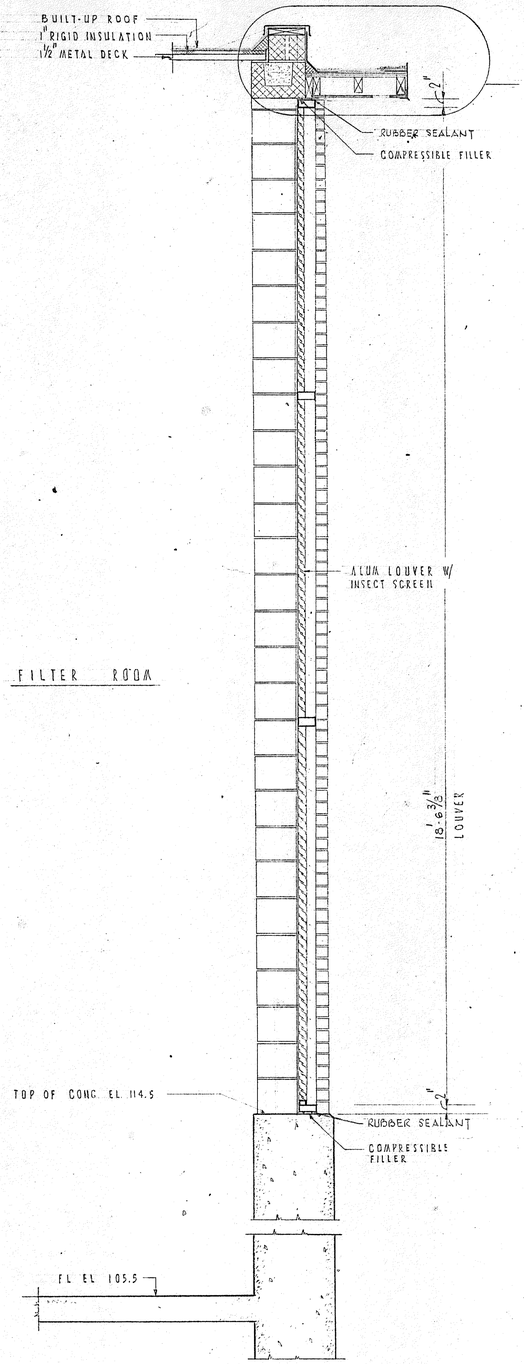
DRAWN: C. HARRIS DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON APPROVED: P. T. CARVER
DATE: AUGUST , 1970

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

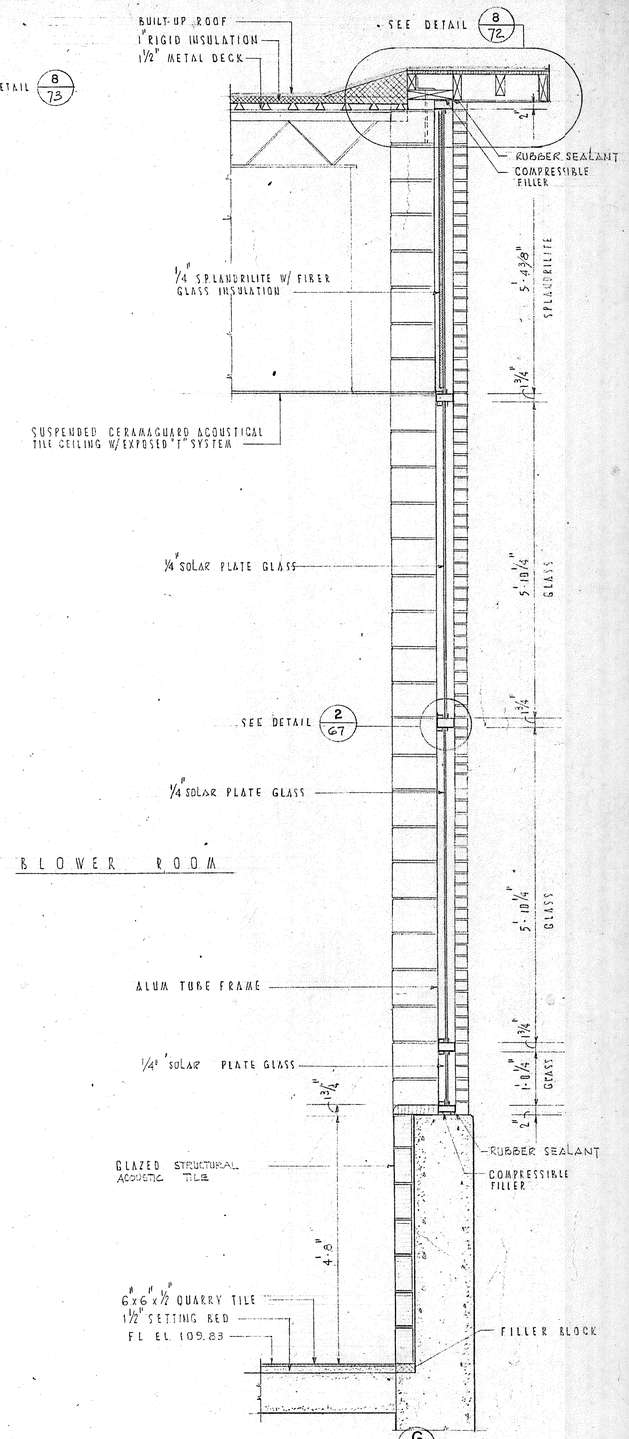
APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
ARCHITECTURAL
CROSS SECTIONS

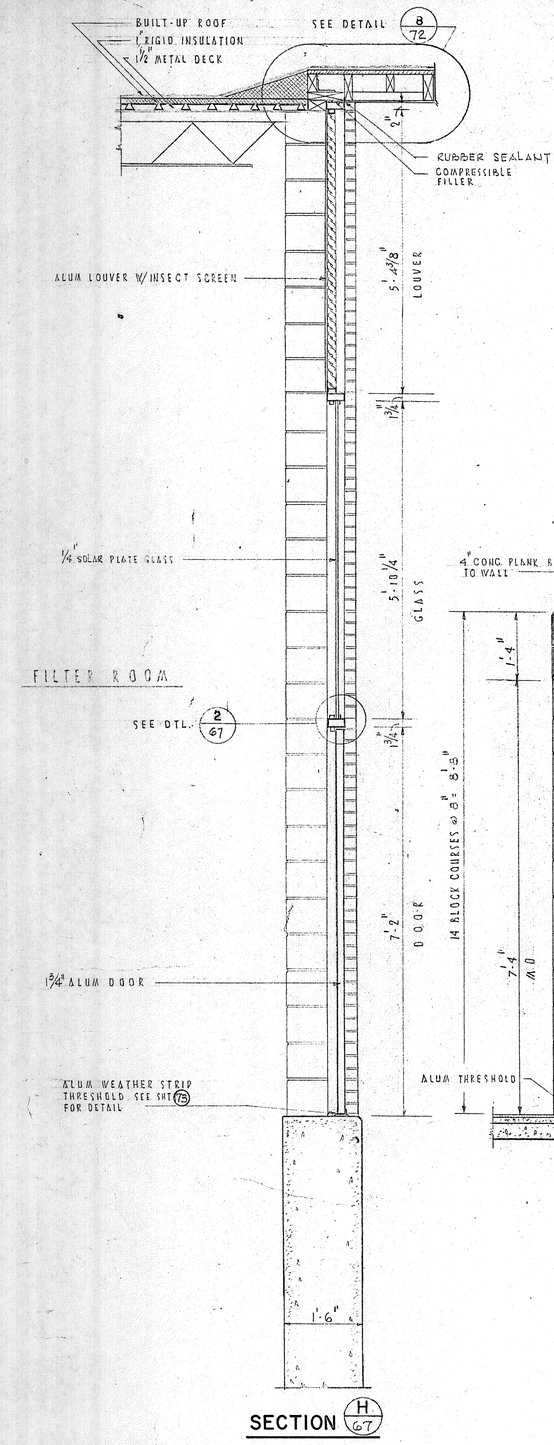
SCALE 1/8" = 1'-0"
C. A. M. NO. 1165
DRAWING NO. 68



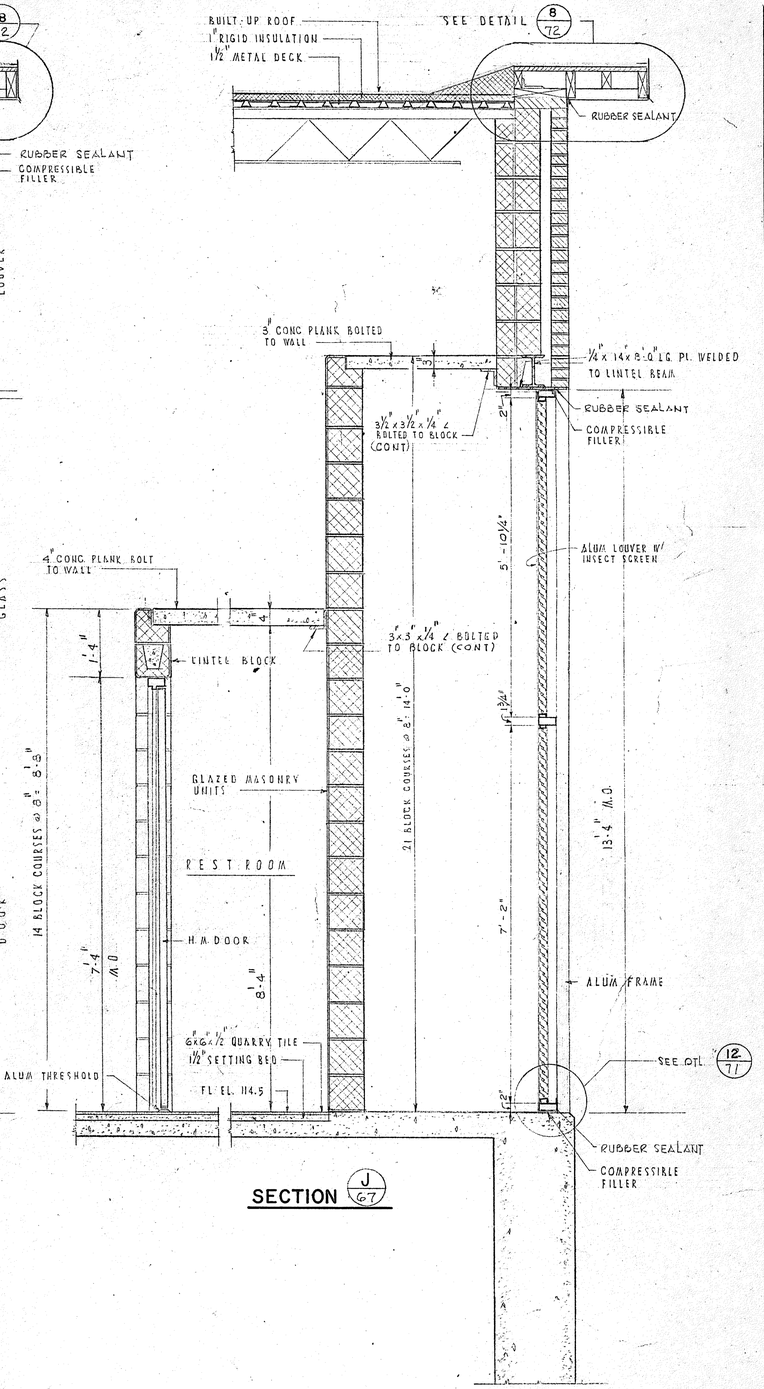

SECTION F/67




SECTION G/67




SECTION H/67




SECTION J/67

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
|---|---|---|---|---|---|---|---|
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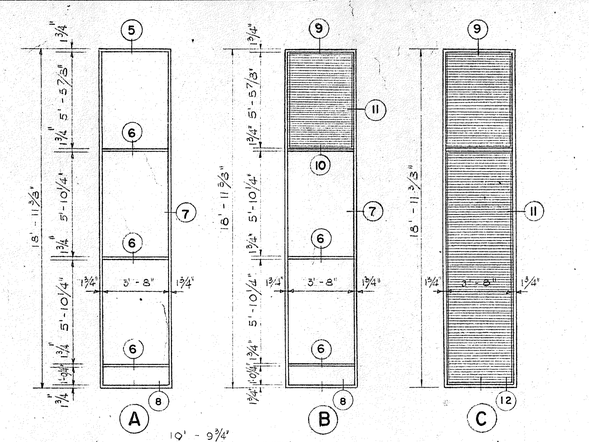
DRAWN: C. HARRIS DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON APPROVED: P. T. CARVER
DATE: AUGUST, 1970

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APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
ARCHITECTURAL
WALL SECTIONS-№ 2

SCALE 3/4"=1'-0"
C. A. M. NO. 1165
DRAWING NO. 70




## D O O R  S C H E D U L E

| DOOR NO | 1 | 2, 7, 8 | 5, 6 | 3, 4 | 9 | 10, 11 |
|---|---|---|---|---|---|---|
| MATERIALS | ALUM. | ALUM. | H. M. | H. M. | ALUM. | H. M. |
| DOOR ELEVATION | GL. 7'-2" 3'-4" | GL. 7'-2" 3'-8" | GL. 7'-2" 3'-8" | GL. 7'-2" 2'-4" | FOR TROLLEY BEAM. ASTRAGAL 13'-2" 5'-2" 5'-2" | GL. GL. NO GLASS IN DR.# 11 7'-2" 3'-10" 3'-10" 6'-0" @ DR.# 11 |
| THRESHOLD | ALUM WEATHER STRIP | ALUM WEATHER STRIP | ALUM. | ALUM | ALUM WEATHER STRIP | ALUM SEE DETAILS |
| REMARKS | | NO VISION PANEL REQD IN DOOR NO 2 | | NO VISION PANEL REQD IN DOOR NO 3 | | "B" LABEL W/ PANIC HARDWARE @ #10 DR.#11 TO BE WATERTITE W/ALL GASKETS & THRESHOLD SEE DETAILS SHT. NO. 67 |

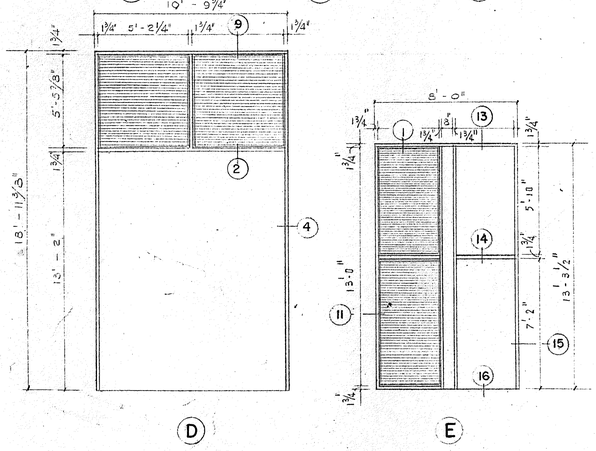
DR.# 11 TO BE 2¼" THK.

**NOTE:** ALL GLASS IN DOORS TO BE ¼" CLEAR WIRE GLASS

## R O O M  F I N I S H  S C H E D U L E

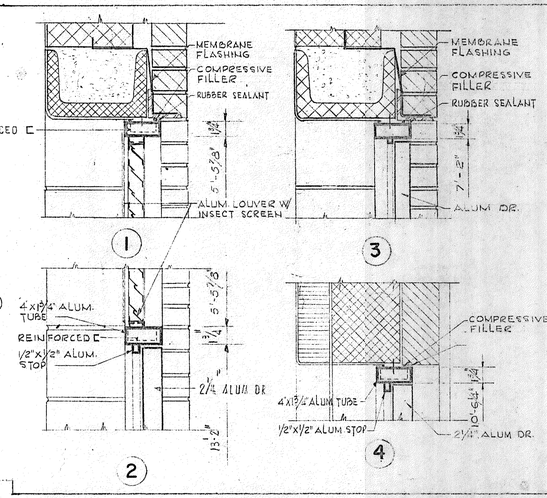
| ROOM NO | FLOOR ELEV | WALLS N | WALLS E | WALLS S | WALLS W | FLOOR | CEILING | CEILING HEIGHT | BASE |
|---|---|---|---|---|---|---|---|---|---|
| 100 | 114.5 | 2 | 2 | 2 | 2 | 1 | 1 | 10'-0" | 1 |
| 101 | 114.5 | 2 | 2 | 2 | 2 | 1 | 2 | 8'-5 | 1 |
| 102 | 114.5 | 2 | — | 2 | 2 | 1 | — | — | 1 |
| 103 | 114.5 | 2 | 2 | — | 2 | 1 | 1 | 10'-0" | 1 |
| 200 | 109.83 & 114.5 | 1 | 1 | 1 | 1 | 1 | 1 | 18'-0" | 2 |
| 300 | 105.5 | 3&2 | 2 | 2 | 3&2 | 2 | — | — | 1&3 |
| 400 | 94.0 | 3 | 3 | 3 | 3 | 2 | — | — | 3 |

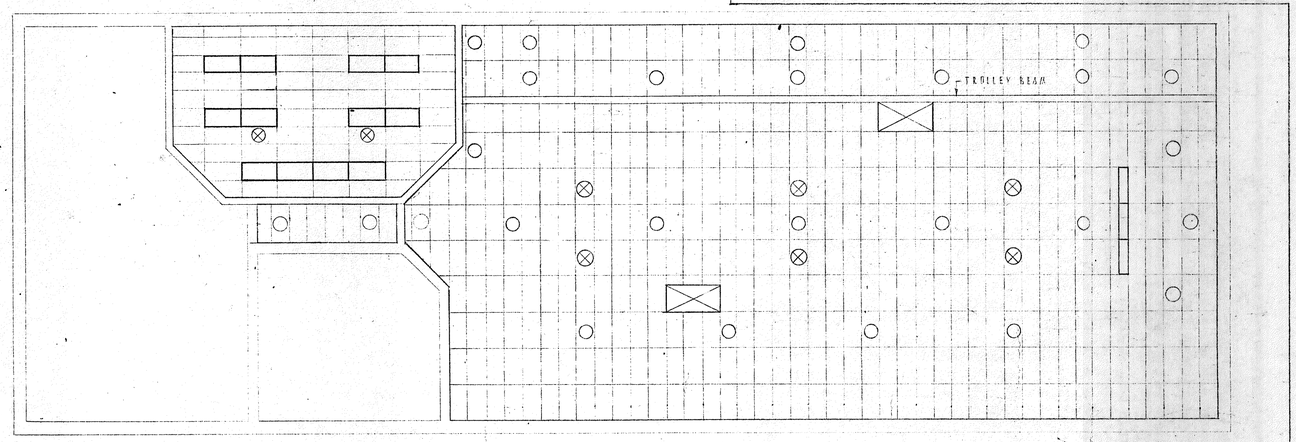
| WALLS | FLOOR |
|---|---|
| 1-GLAZED STRUCTURAL ACOUSTIC TILE<br>2-GLAZED WALL FINISH-MASONRY UNITS -<br>3 CONCRETE EPOXY COATED W/GLAZE. | 1 6"x6"x¼" QUARRY TILE OVER 1½ CONCRETE GROUT<br>2. CONCRETE - STEEL TROWELED FIN. WITH HARDNER |
| **CEILING** | **BASE** |
| 1 CERAMAGUARD ACOUSTICAL TILE ON ALUM. SUSPENSION<br>2. CONCRETE PLAIN-EPOXY-COATED-GLAZE | 1-GLAZED WALL FINISH-MASONRY UNITS<br>2. ACOUSTICAL MASONRY UNITS.<br>3 CONCRETE EPOXY COATED W/GLAZE |




## EXTERIOR FRAME SCHEDULE

SCALE 1/4"=1'-0"

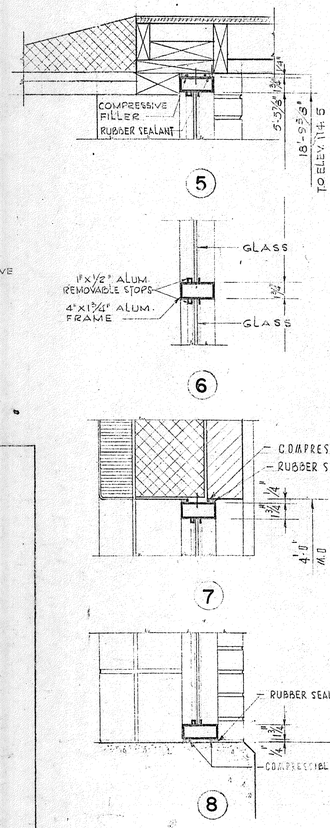


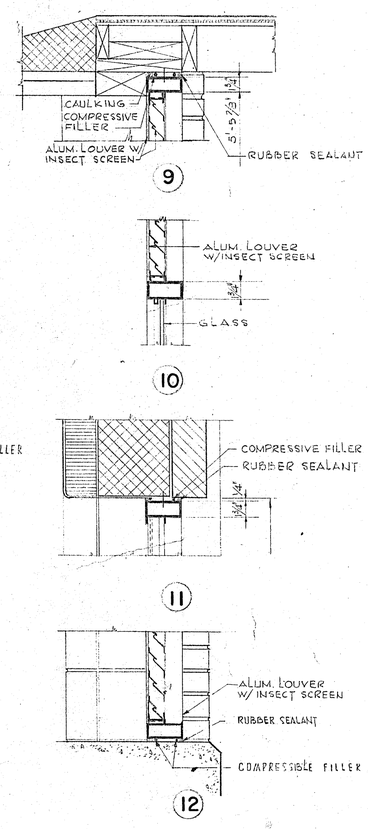



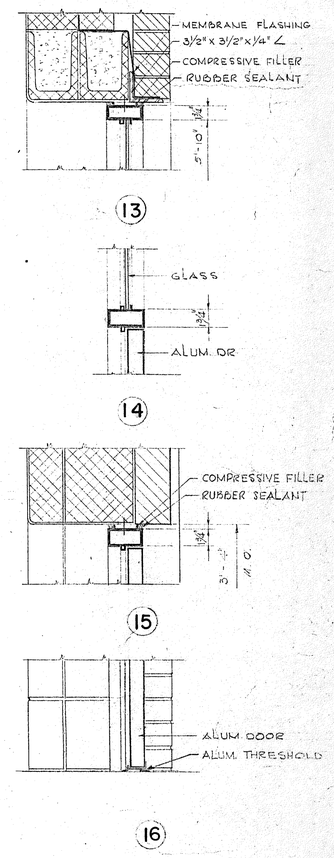

## REFLECTED CEILING PLAN

SCALE 1/8"=1'-0"

LEGEND
◯ = LIGHTING FIXTURES
⊗ = HEATING & VENTILATION




## EXTERIOR FRAME DETAILS

SCALE 11/2"=1'-0"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
|---|---|---|---|---|---|---|---|
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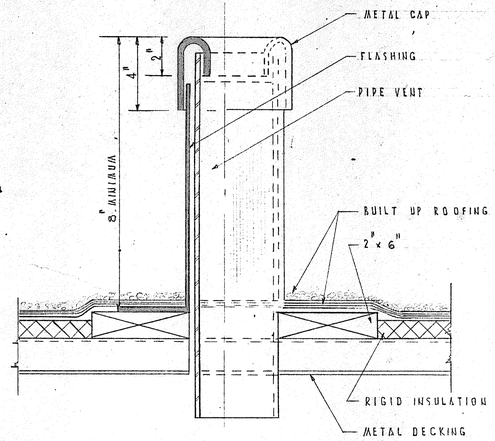
DRAWN: C. HARRIS DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON APPROVED: P. T. CARVER
DATE: AUGUST, 1970

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

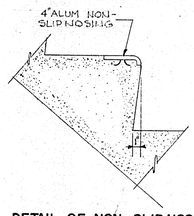
APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
ARCHITECTURAL
MISCELLANEOUS DETAILS Nº 1

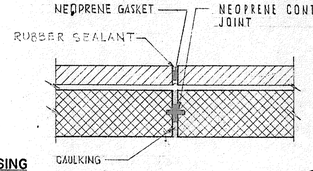
SCALE AS NOTED
C. A. M. NO. 1165
DRAWING NO. 71



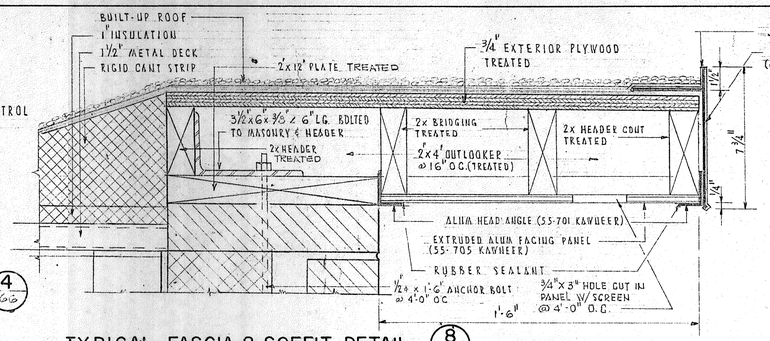

## TYPICAL ROOF VENT DETAIL (1/66)
SCALE 3" = 1'-0"



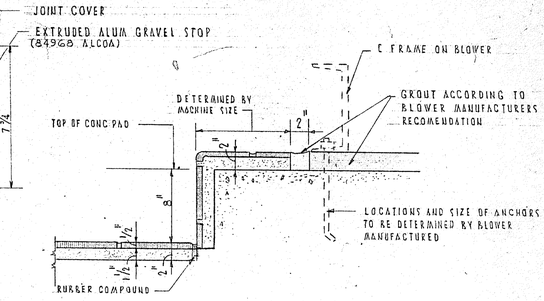

## DETAIL OF NON-SLIP NOSING @ ALL INTERIOR & EXTERIOR CONCRETE STAIRS
SCALE 1½" = 1'-0"



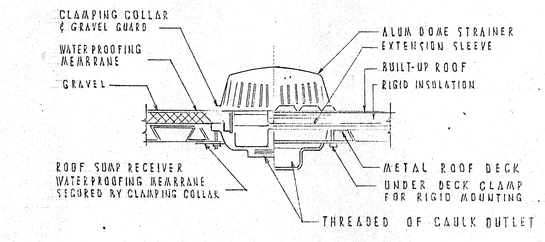

## CONTROL JOINT DETAIL (4/66)
SCALE 3/4" = 1'-0"



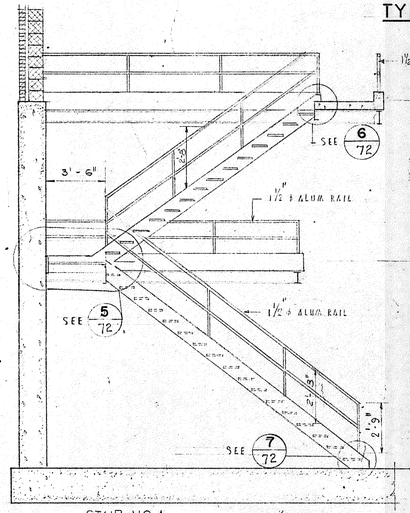

## TYPICAL FASCIA & SOFFIT DETAIL (8/66, 72)
SCALE 3" = 1'-0"




## TYPICAL BLOWER BASE DETAIL (9/66)
SCALE 1½" = 1'-0"

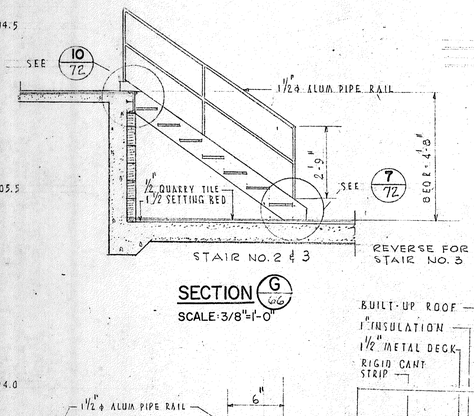



## TYPICAL ROOF DRAIN DETAIL (2/66)
SCALE 1½"=1'-0"



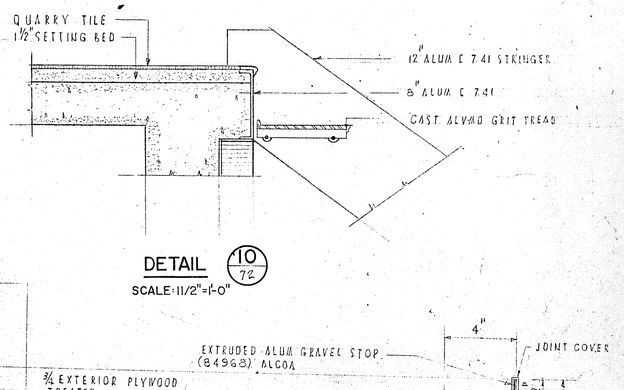

STAIR NO. 1

## SECTION (F/72)
SCALE 1/4"=1'-0"

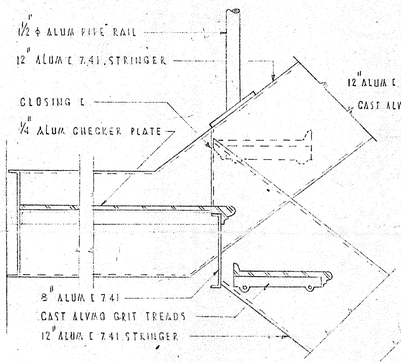



STAIR NO. 2 & 3 — REVERSE FOR STAIR NO. 3

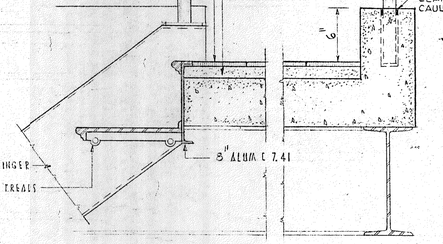
## SECTION (G/66)
SCALE 3/8"=1'-0"



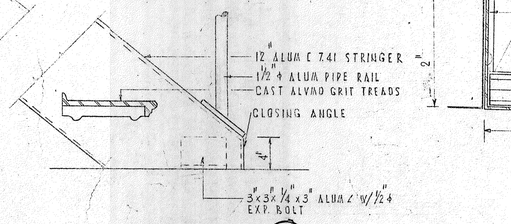

## DETAIL (10/72)
SCALE: 1 1/2"=1'-0"



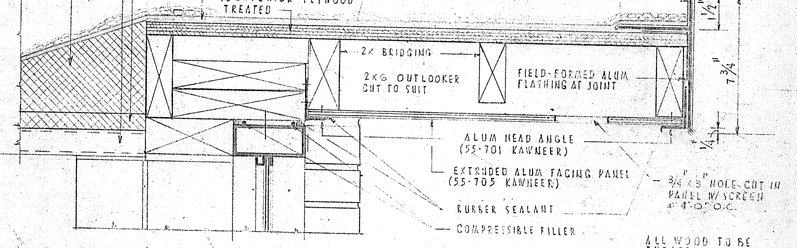

## DETAIL (5/72)
SCALE: 1 1/2"=1'-0"



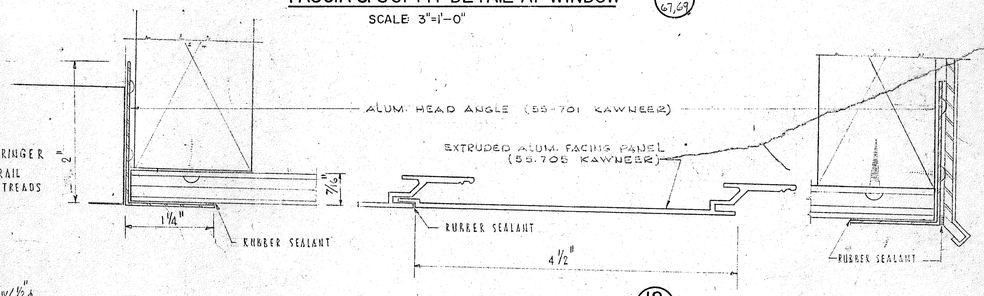

## DETAIL (6/72)
SCALE: 1 1/2"=1'-0"



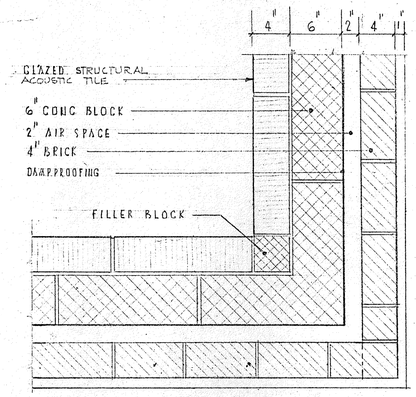

## DETAIL (7/72)
SCALE: 1 1/2"=1'-0"




## FASCIA & SOFFIT DETAIL AT WINDOW (11/67,69)
SCALE 3"=1'-0"




## FACING PANEL DETAIL (12/72)
FULL SIZE




## CORNER BLOCK COURSES DETAIL (3/72)
SCALE: 1 1/2"=1'-0"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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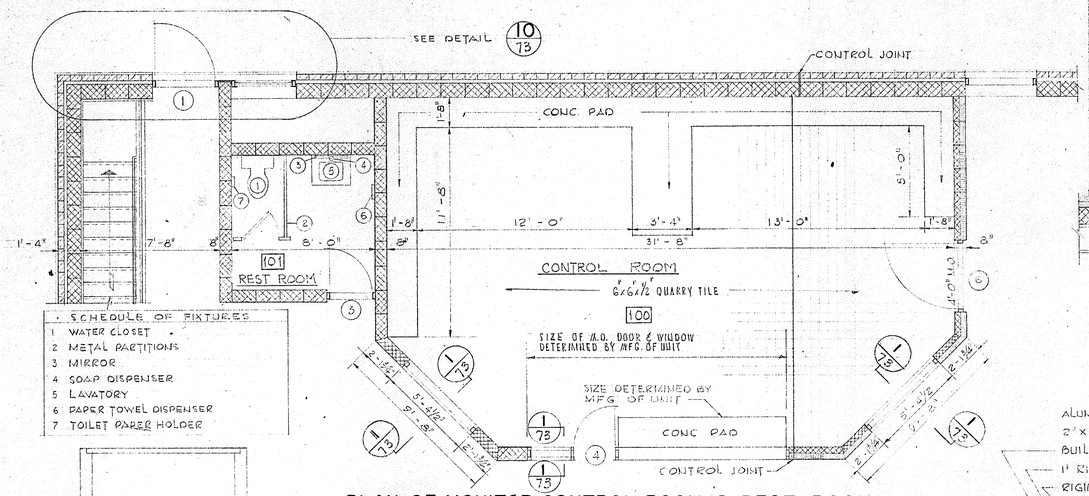
DRAWN: C. HARRIS — DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON — APPROVED: P. T. CARVER
DATE: AUGUST, 1970

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

APPROVED
TOWN OF STRATFORD

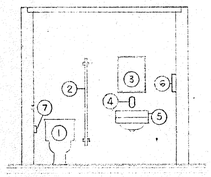
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
ARCHITECTURAL
MISCELLANEOUS DETAILS-№ 2

SCALE: AS NOTED
C. A. M. NO. 1165
DRAWING NO. 72



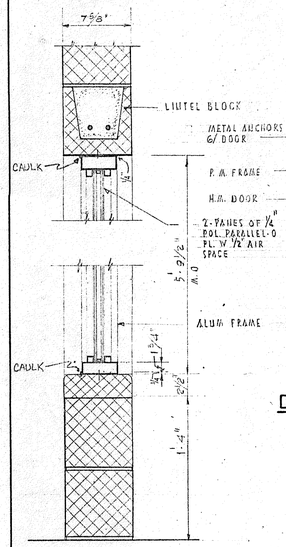

## PLAN OF MONITOR CONTROL ROOM & REST ROOM

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



## ELEVATION

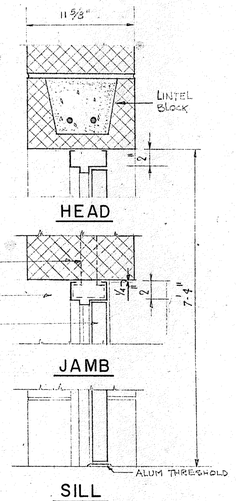
SCALE: 1/4" = 1'-0"




## DETAIL OF WINDOW AT MONITOR CONTROL ROOM

1/73

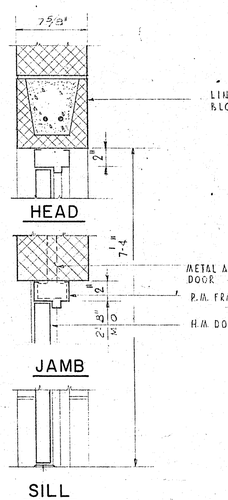
SCALE: 1 1/2" = 1'-0"




## DETAILS OF DOOR 10

2/73

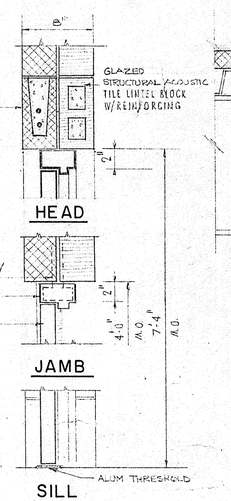
SCALE: 1 1/2" = 1'-0"




## DETAILS OF DOOR 3 & 4

3/73

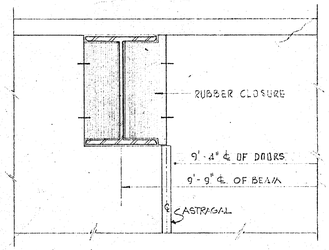
SCALE: 1 1/2" = 1'-0"




## DETAILS OF DOOR 5 & 6

4/73

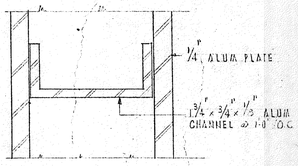
SCALE: 1 1/2" = 1'-0"




## DETAIL OF TROLLEY BEAM AT DOOR NO. 9

11/67

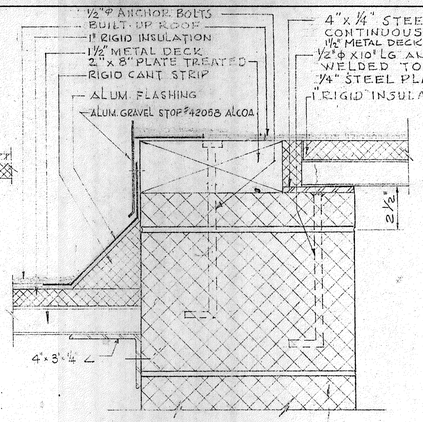
SCALE 1 1/2" = 1'-0"




## DETAIL

12/69

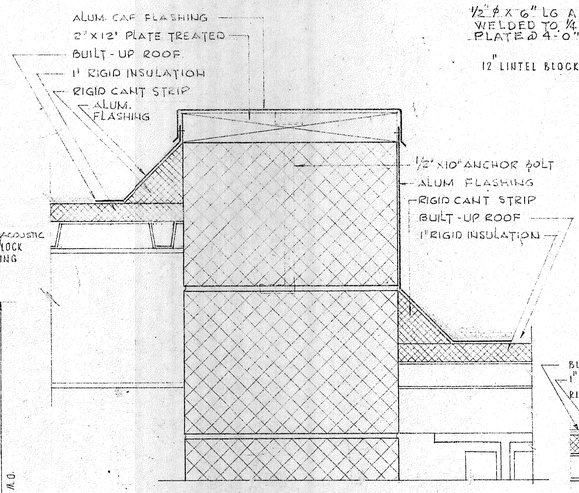
FULL SIZE




## DETAIL

5/69

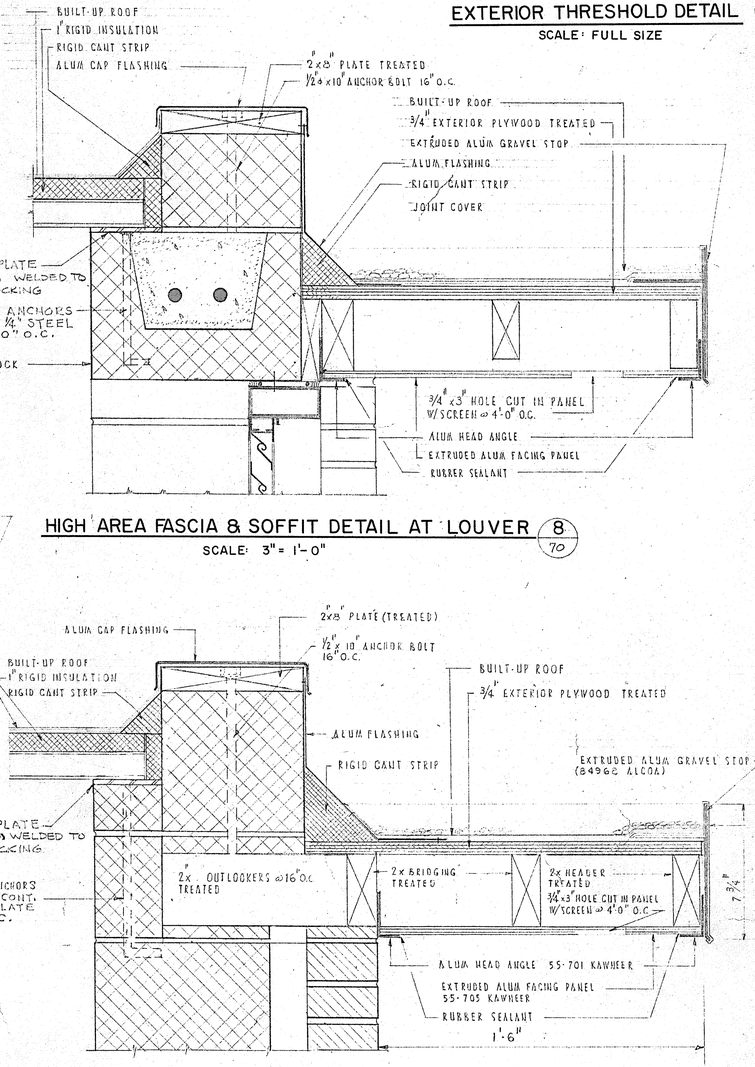
SCALE 3" = 1'-0"




## DETAIL

6/69

SCALE 3" = 1'-0"




## HIGH AREA FASCIA & SOFFIT DETAIL AT LOUVER

8/70

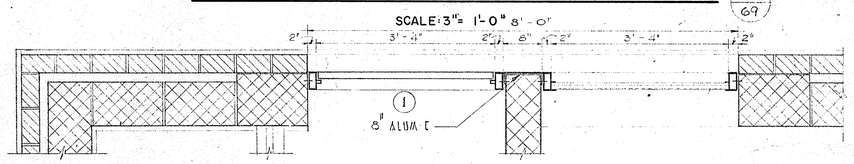
SCALE: 3" = 1'-0"




## TYPICAL FASCIA & SOFFIT DETAIL AT HIGH AREA

9/69

SCALE: 3" = 1'-0"




## ENTRANCE & LOUVER DETAIL AT EL. 114.5

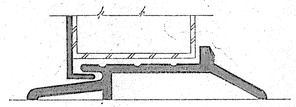
10/67, 73

SCALE 3/4" = 1'-0"

## EXTERIOR THRESHOLD DETAIL

7/69

SCALE: FULL SIZE



| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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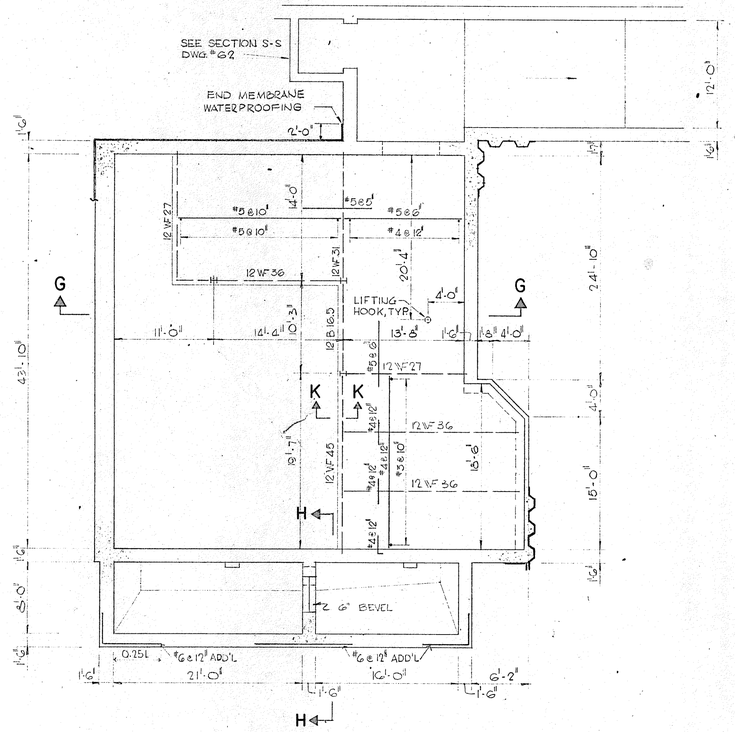
DRAWN: C. HARRIS — DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON — APPROVED: P.T. CARVER
DATE: AUGUST, 1970

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

APPROVED
TOWN OF STRATFORD

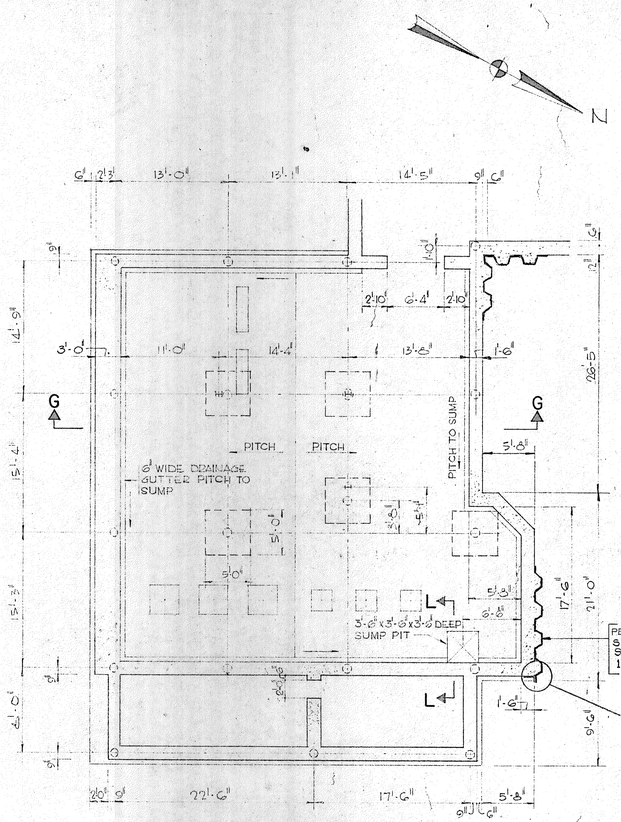
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
ARCHITECTURAL
MISCELLANEOUS DETAILS Nº 3

SCALE
HOR. AS NOTED
VERT. 1" = 1'
C. A. M. NO. 1165
DRAWING NO. 73



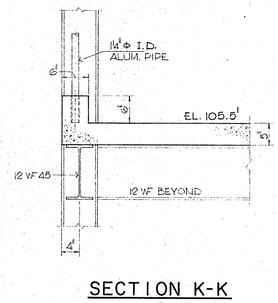

PLAN AT ELEVATION 105.5

SCALE 1/8"=1'-0"



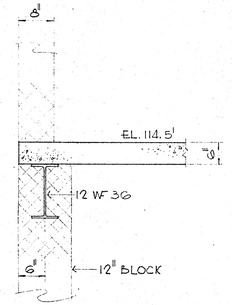

PILE PLAN AT ELEVATION 94.0

SCALE 1/8"=1'-0"



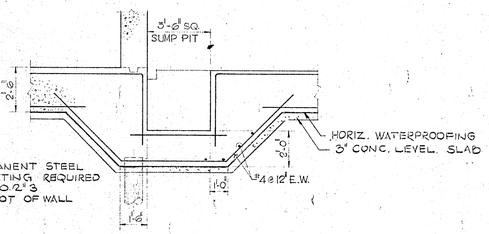

SECTION K-K

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



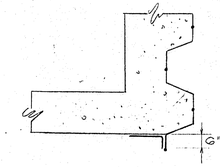

SECTION M-M

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



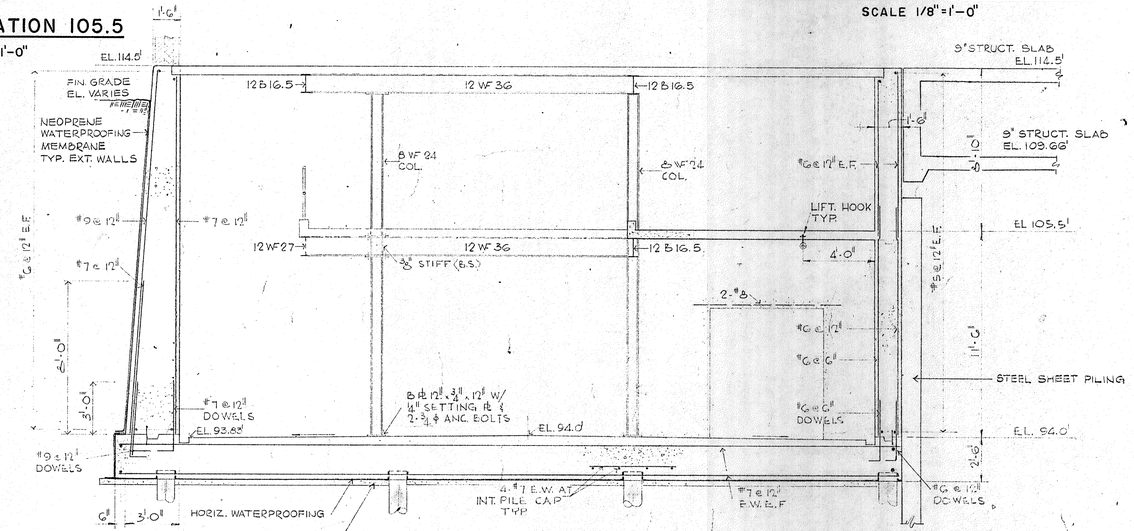

SECTION L-L

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



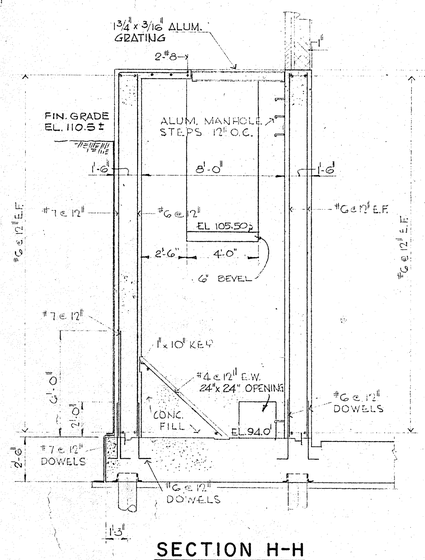

DETAIL A

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




SECTION G-G

SCALE 1/4"=1'-0"




SECTION H-H

SCALE 1/4"=1'-0"

DETAIL "A"

NOTE :
BEND NEOPRENE SHEET AND LAP 6" ON SHEET PILING. APPLY COLD BOND ADHESIVE ON LAP AND SEAL WITH ELASTOMERIC CAULKING COMPOUND.

NOTES

1. GENERAL NOTES AND TYP. DETAILS SEE DWG. No.14
2. PILE DETAILS SEE DRAWING No. 57 & 14.
3. PILES SHALL BE 12¾" O.D. t = ⅜" CONC. FILLED PIPE PILES.
4. FOR REFERENCE SEE ARCH. DRAWING #66
5. WATERPROOFING DETAILS SEE TYPICAL STRUCTURAL DETAILS DWG. # 14

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

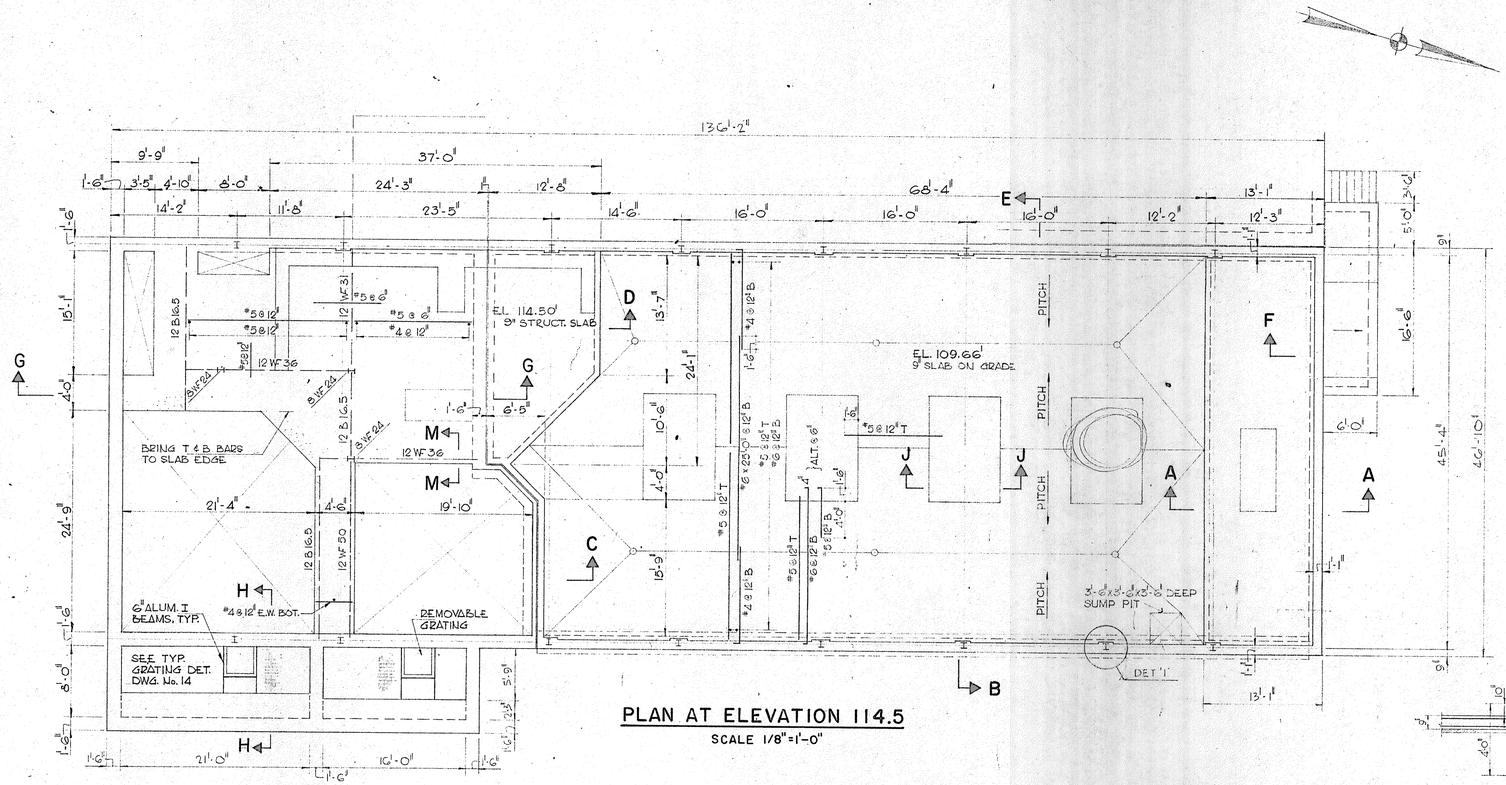
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION

STRUCTURAL PLANS-SECTIONS

SCALE: AS NOTED

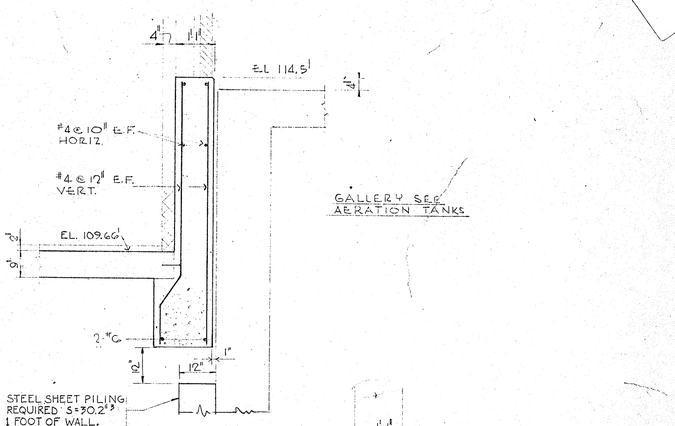
C. A. M. No. 1165

DRAWING NO. 74



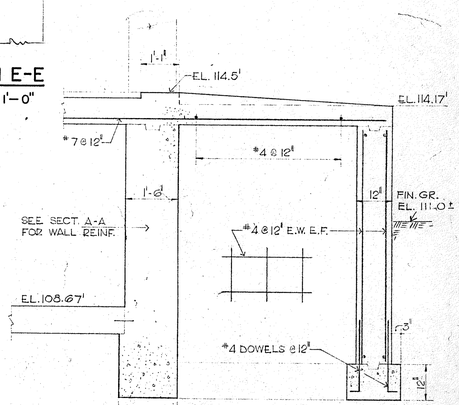

PLAN AT ELEVATION 114.5

SCALE 1/8"=1'-0"



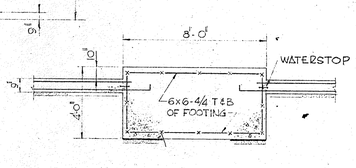

SECTION E-E

SCALE 1/2"=1'-0"



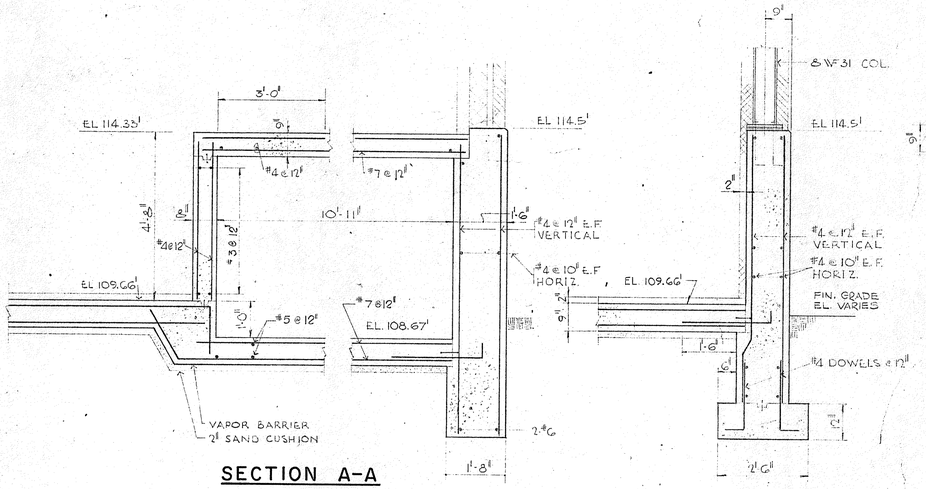

SECTION F-F

SCALE 1/2"=1'-0"




SECTION J-J

SCALE 1/4"=1'-0"



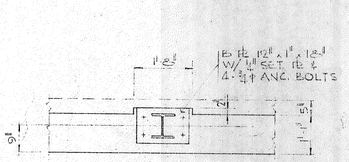

SECTION A-A

SCALE 1/2"=1'-0"



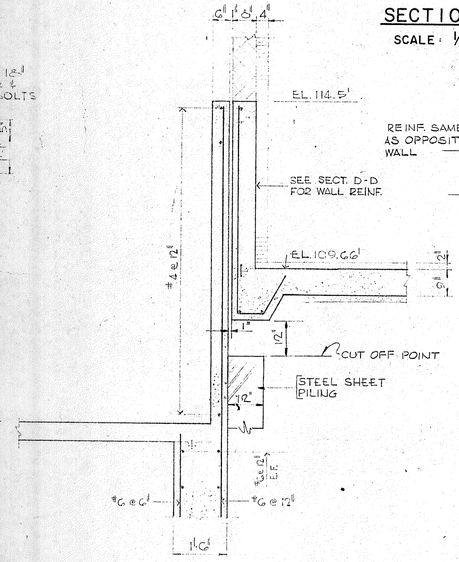

SECTION B-B

SCALE 1/2"=1'-0"



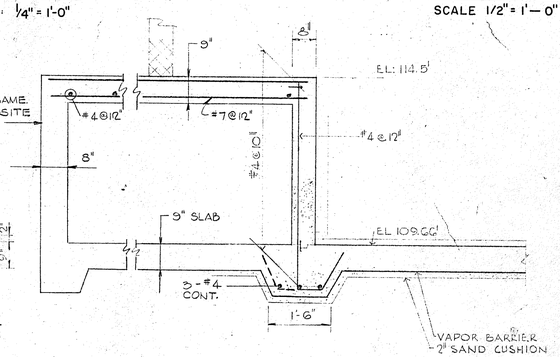

DETAIL '1'

SCALE 1/2"=1'-0"




SECTION C-C

SCALE 1/2"=1'-0"




SECTION D-D

SCALE 1/2"=1'-0"

NOTES

1. SECTIONS G, H & M SEE DWG. No. 74
2. GENERAL NOTES & TYP. DETAILS SEE DWG. No. 14

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

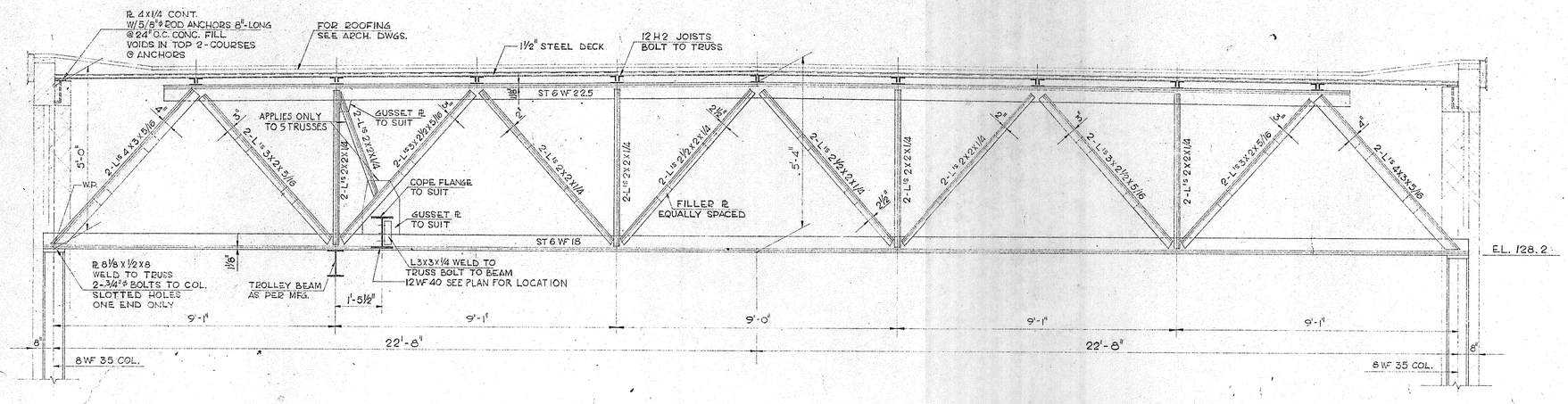
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION

STRUCTURAL PLAN-SECTIONS

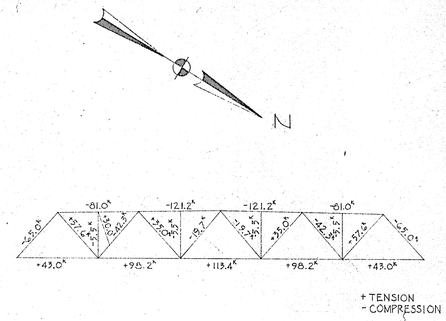
SCALE AS NOTED

C. A. M. NO. 1165

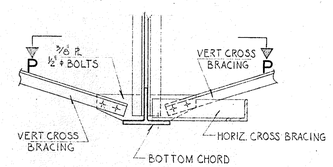
DRAWING NO. 75



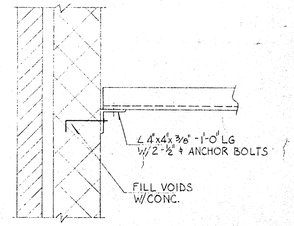

## SECTION M-M
SCALE: 1/2"=1'-0"



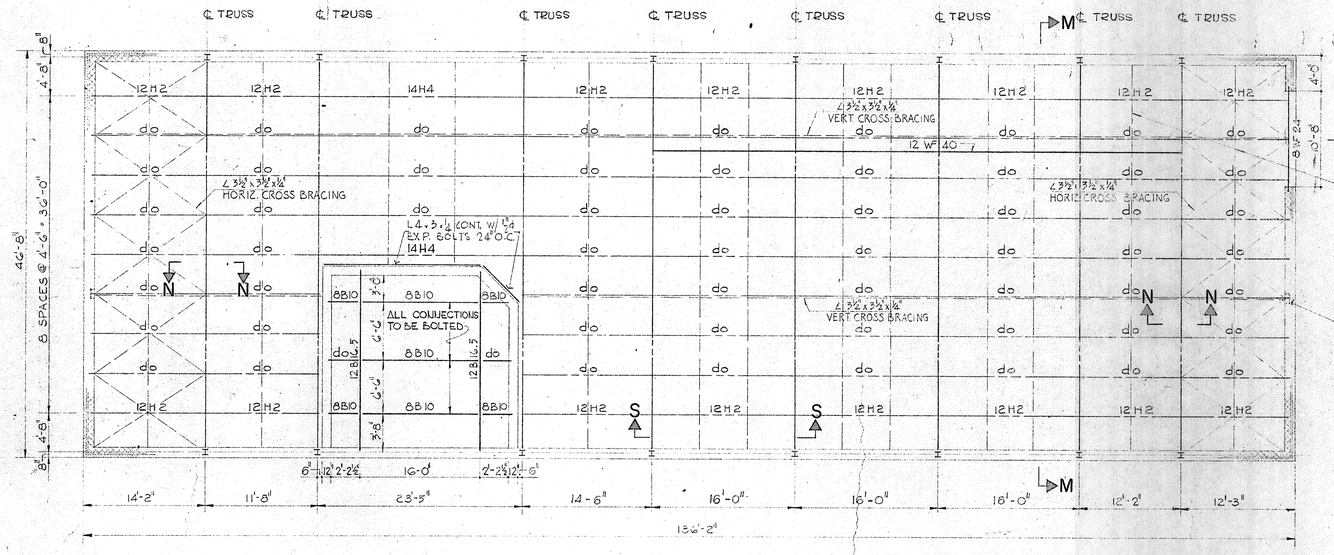

## STRESS DIAGRAM
SCALE: 1/8" = 1'-0"



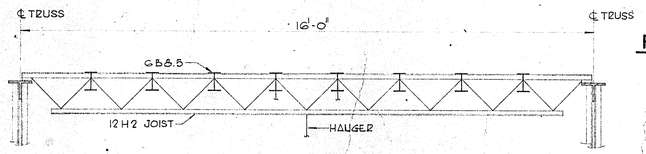

## SECTION N-N
SCALE: 1" = 1'-0"




## BRACING AT WALL
SCALE: 1" = 1'-0"

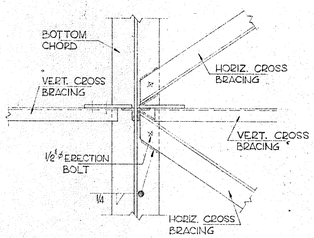



## ROOF PLAN
SCALE 1/8"=1'-0"

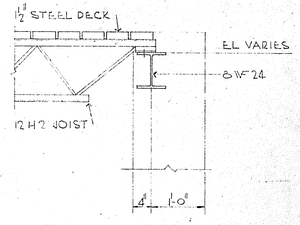



## SECTION S-S
SCALE: 1/2"= 1'-0"

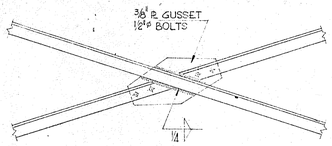
NOTE
ALL E.F UNITS HANG FROM 12H2 JOISTS AT PANEL POINTS OR BY MEANS OF TRANSVERSE BEAMS SPANNING BETWEEN JOISTS AT PANEL POINTS.




## SECTION P-P
SCALE: 1" = 1'-0"




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




## TYPICAL CROSS BRACING CONNECTION
SCALE: 1" = 1'-0"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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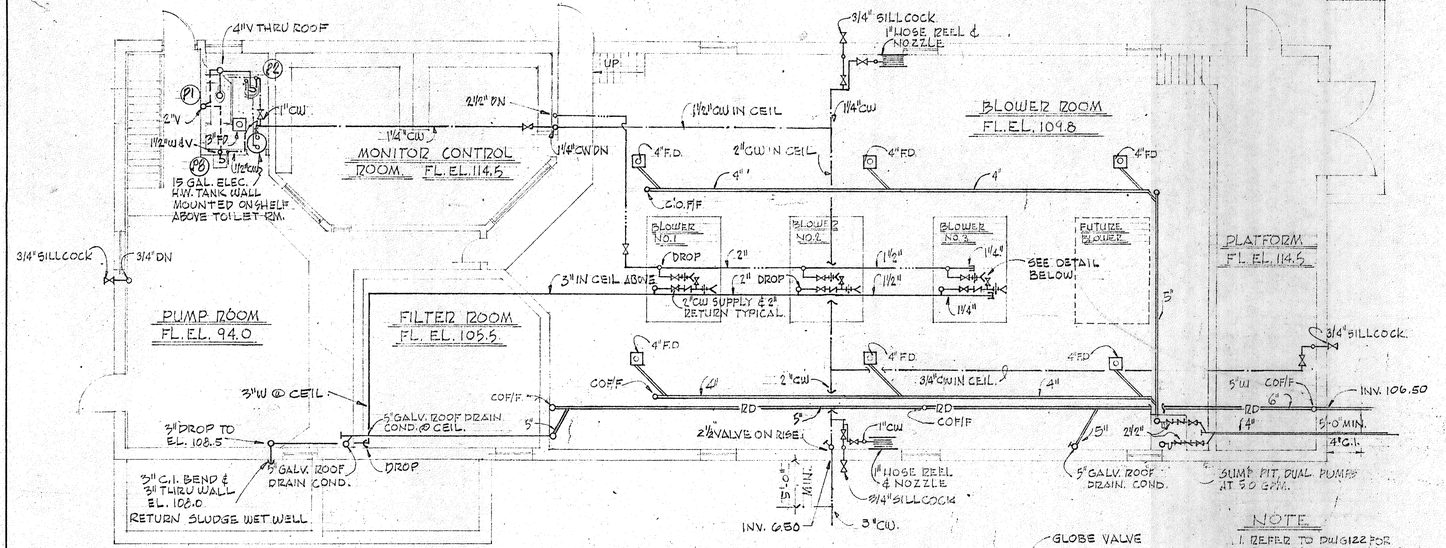
DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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

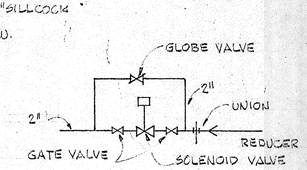
APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
STRUCTURAL PLAN-SECTION

SCALE AS NOTED
C. A. M. NO. 1165
DRAWING NO. 76

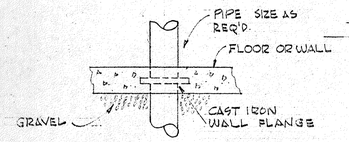



## PLAN AT ELEVATION 114.5
(SANITARY WASTE & WATER)

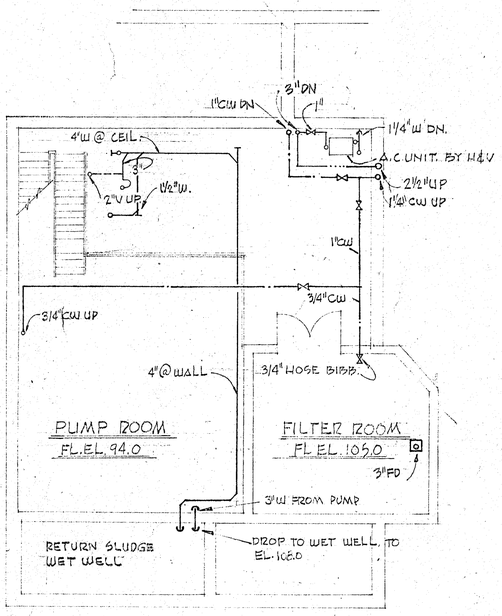



## BLOWER FEED CONNECTION (SUPPLY)
NO SCALE

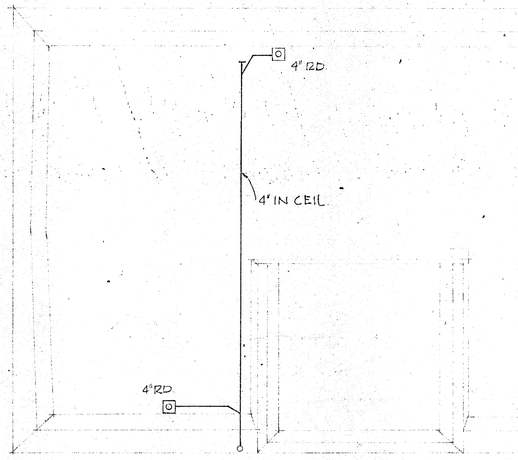
### NOTE
1. REFER TO DWG 122 FOR GENERAL NOTES & LEGEND
2. FOR EQUIPMENT LOCATION SEE DWGS. NO. 63, 64 & 65.

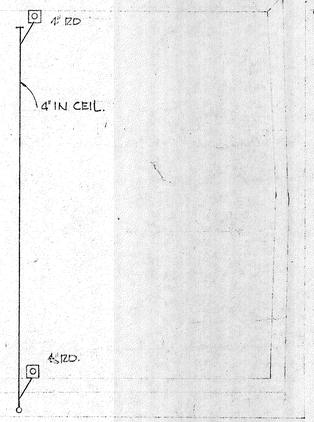



## TYPICAL WALL & FLOOR PENETRATION FOR ALL PIPING BELOW ELEV. 114.5

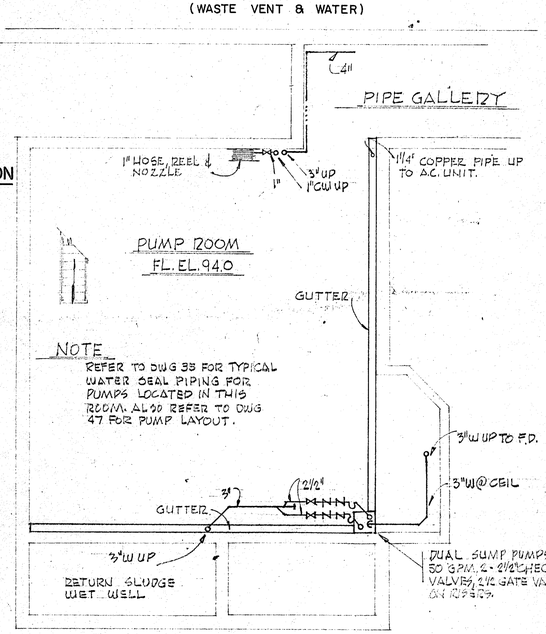



## PLAN AT ELEVATION 105.0
(WASTE VENT & WATER)




## ROOF PLAN
(DRAINAGE)




## PLAN AT ELEVATION 94.0
(WASTE & WATER)

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
|---|---|---|---|---|---|---|---|
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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

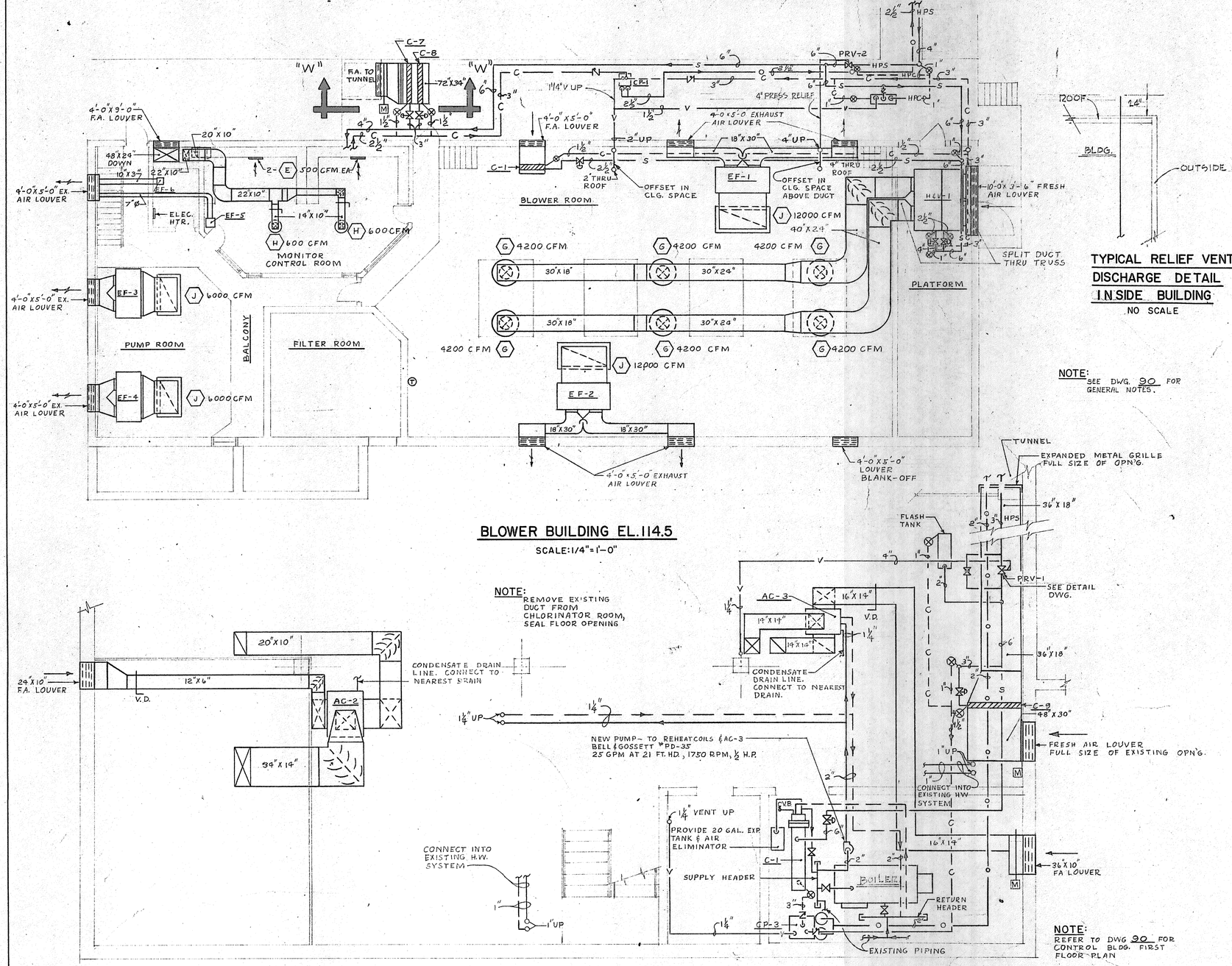
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
PLUMBING PLAN

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

C. A. M. NO. 1165

DRAWING NO.
77




## BLOWER BUILDING EL. 114.5

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

## PARTIAL PLAN - CONTROL BLDG. - BASEMENT

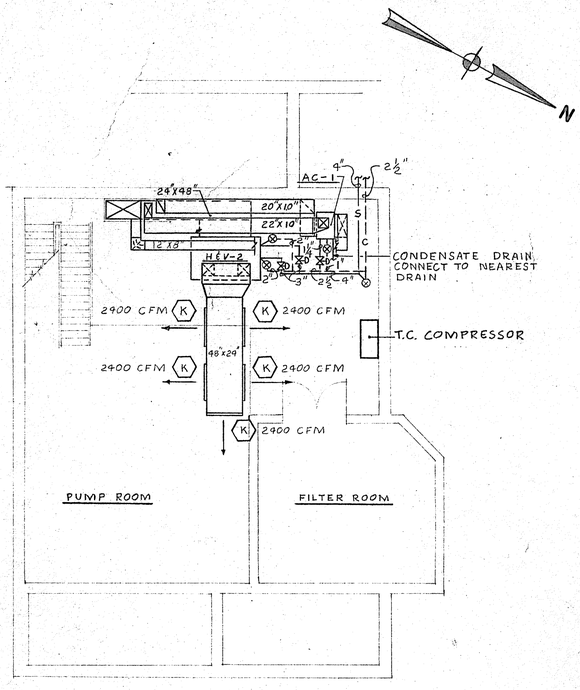
SCALE 1/4 = 1'- 0"




## TYPICAL RELIEF VENT DISCHARGE DETAIL INSIDE BUILDING

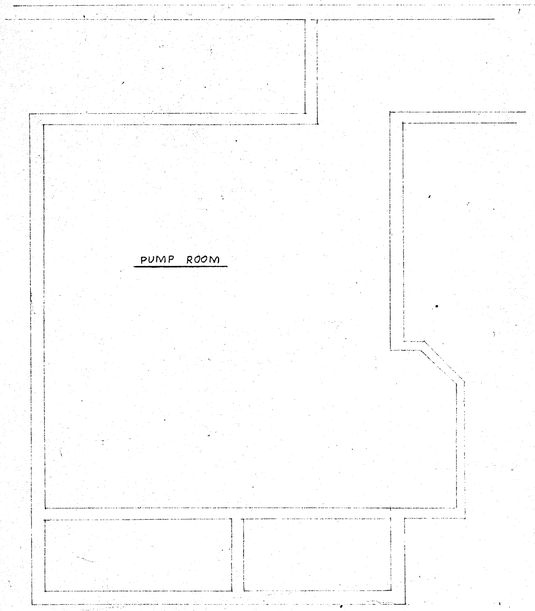
NO SCALE

NOTE: SEE DWG. 90 FOR GENERAL NOTES.




## PUMP ROOM EL. 105.0

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




## PUMP ROOM EL. 94.0

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

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: R. DESIDERATO DESIGNED: G.M. PETROCELLI
CHECKED: D.C. RAICHE APPROVED: T. L. CARVOUNIS
DATE: AUGUST, 1970

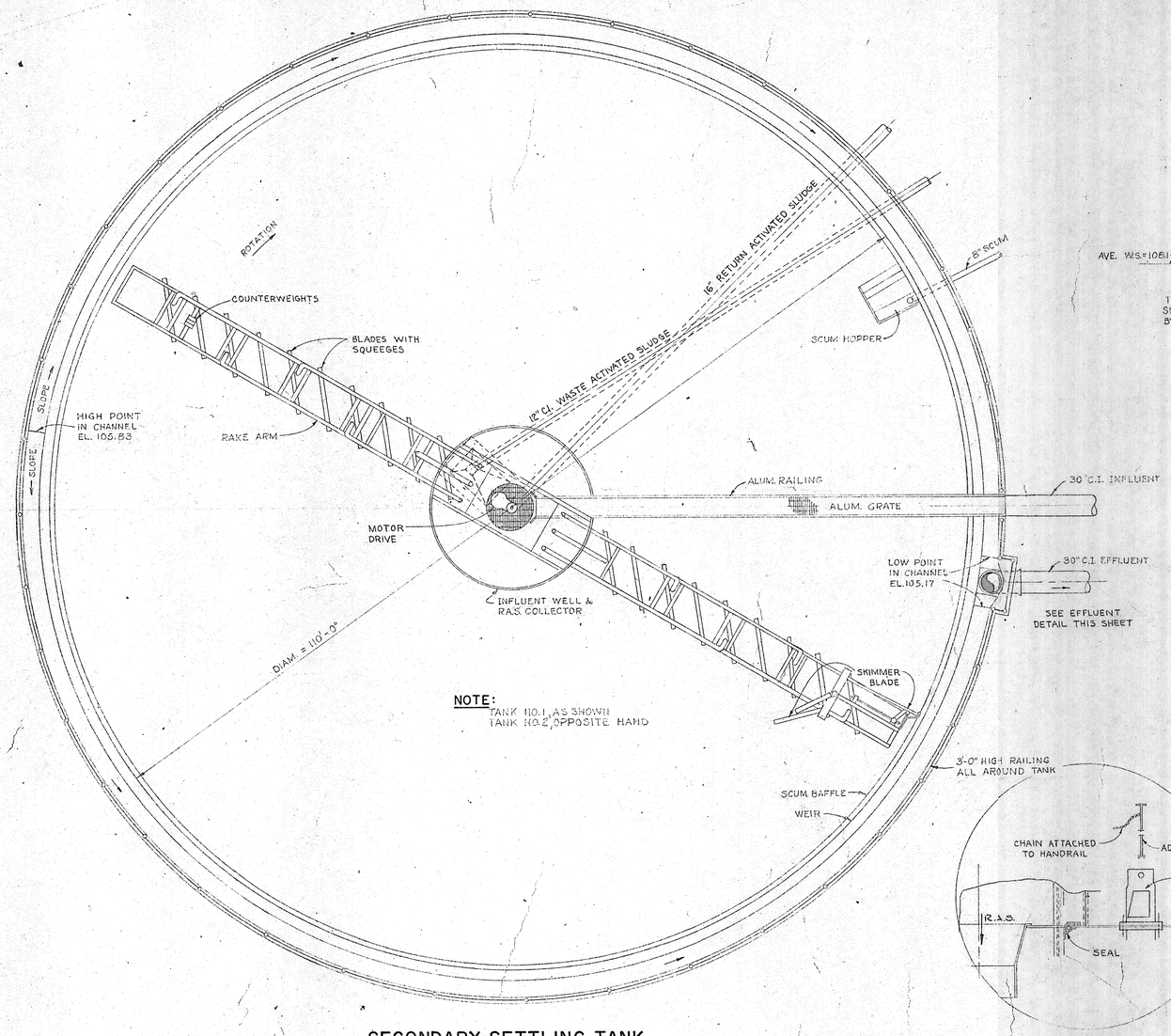
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ENGINEERS
PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED
TOWN OF STRATFORD

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

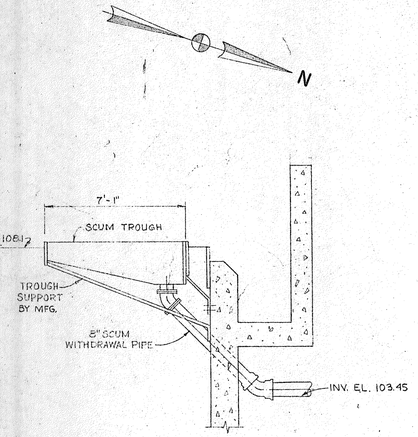
BLOWER BUILDING AND RETURN SLUDGE PUMPING STATION
HEATING AND VENTILATING PLANS

SCALE
AS NOTED
C. A. M. NO. 1165
DRAWING NO.
78

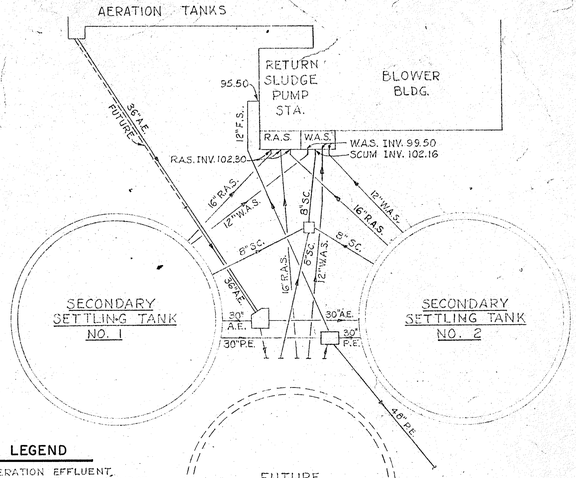



NOTE:
TANK NO.1 AS SHOWN
TANK NO.2 OPPOSITE HAND

## SECONDARY SETTLING TANK
SCALE: 1/8" = 1'-0"



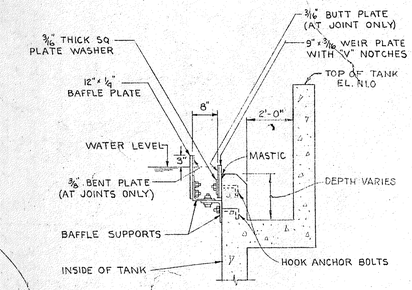

## SCUM HOPPER DETAIL
SCALE: 1/8" = 1'-0"

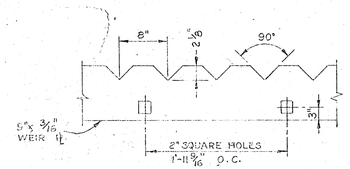



### LEGEND
A.E. AERATION EFFLUENT.
R.A.S. RETURN ACTIVATED SLUDGE
W.A.S WASTE ACTIVATED SLUDGE.
SC. SCUM
P.E. PLANT EFFLUENT
F.S. FROTH SPRAY

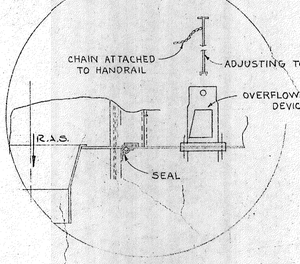
NOTE: FOR INVERTS NOT SHOWN SEE DRAWINGS OF VARIOUS STRUCTURES
ALL STUBS SHALL BE PLUGGED WITH BRICK & MORTAR.
SEE DWG No. 10 FOR REFERENCE.

## YARD PIPING PLAN
SCALE: 1" = 40'

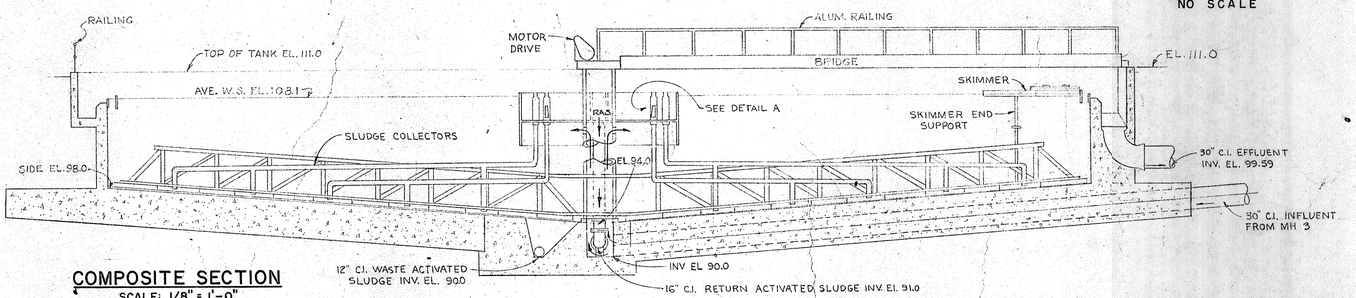


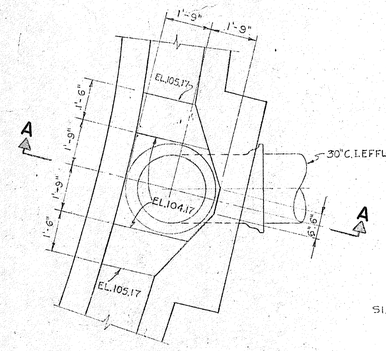

## SETTLING TANK WEIR DETAIL
NOT TO SCALE
(BY MFG.)



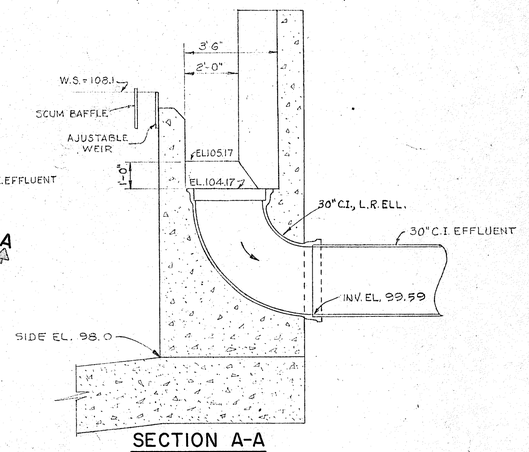

## DETAIL A
NO SCALE




## COMPOSITE SECTION
SCALE: 1/8" = 1'-0"




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




## SECTION A-A
SCALE: 3/8" = 1'-0"

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

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TOWN OF STRATFORD

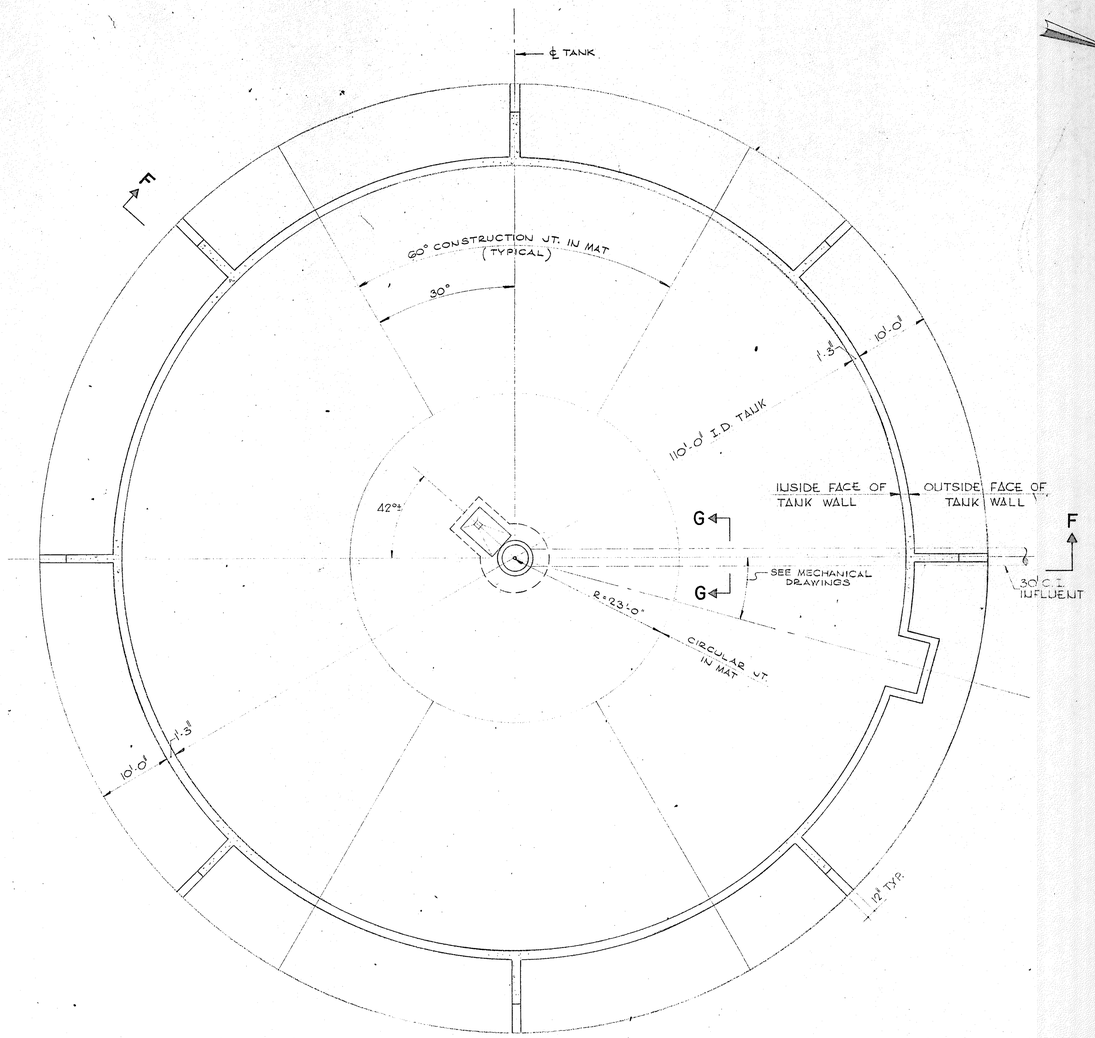
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2

SECONDARY SETTLING TANKS
EQUIPMENT & PIPING PLAN & SECTIONS

SCALE
AS NOTED

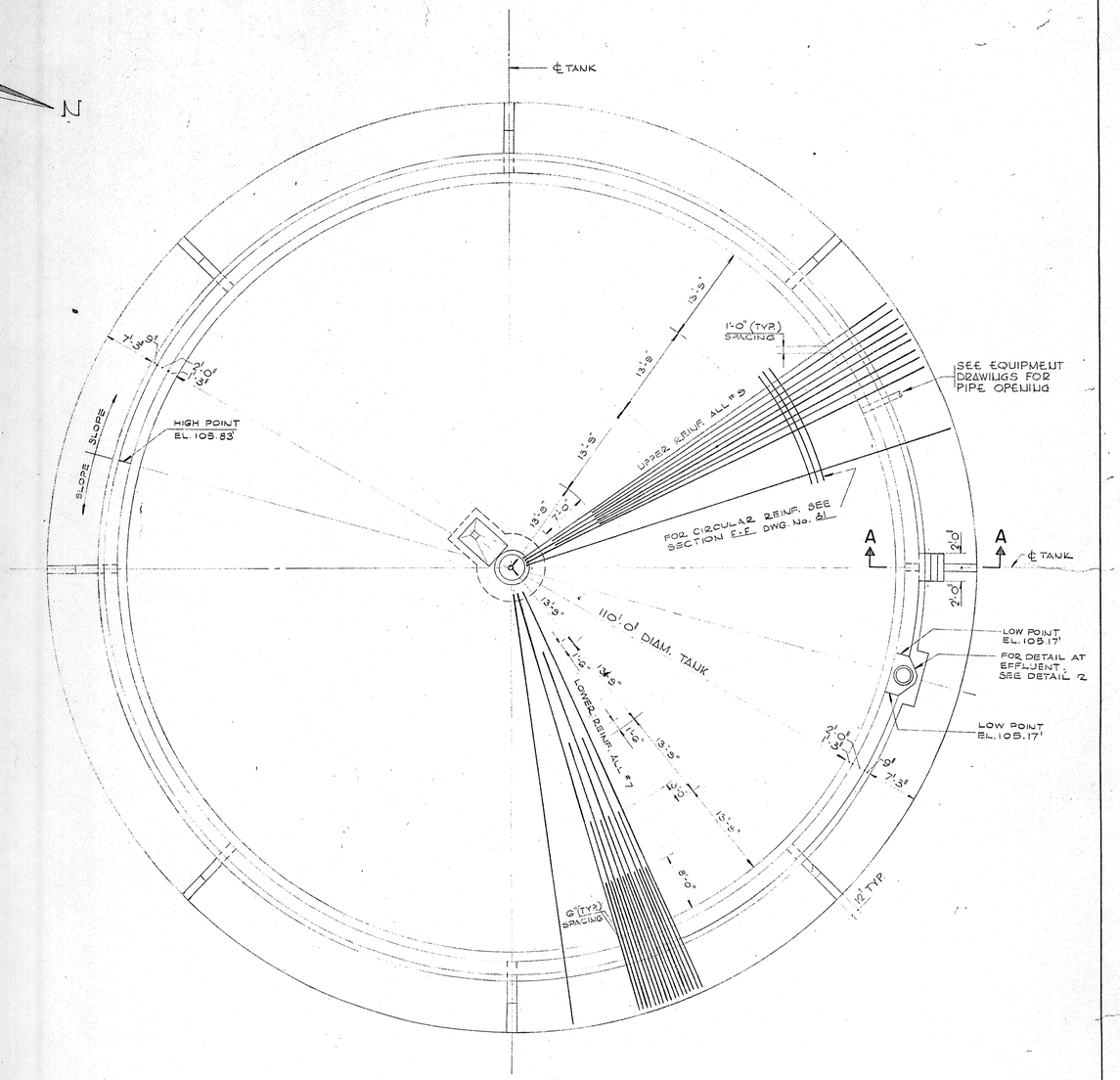
C. A. M. No. 1165

DRAWING NO.
79




PLAN AT EL. 99.00

SCALE : 1" = 10'




PLAN AT EL. 111.00

SCALE : 1" = 10'

NOTES
1. PLANS AND DETAILS DRAWN ARE FOR TANK I. THEY APPLY FOR TANK II, OPPOSITE HAND.
2. GENERAL STRUCTURAL NOTES AND TYPICAL STRUCTURAL DETAILS SEE DRAWING No. 14.
3. PIPE OPENINGS SEE HYDRAULIC DRAWING # 75

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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

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TOWN OF STRATFORD

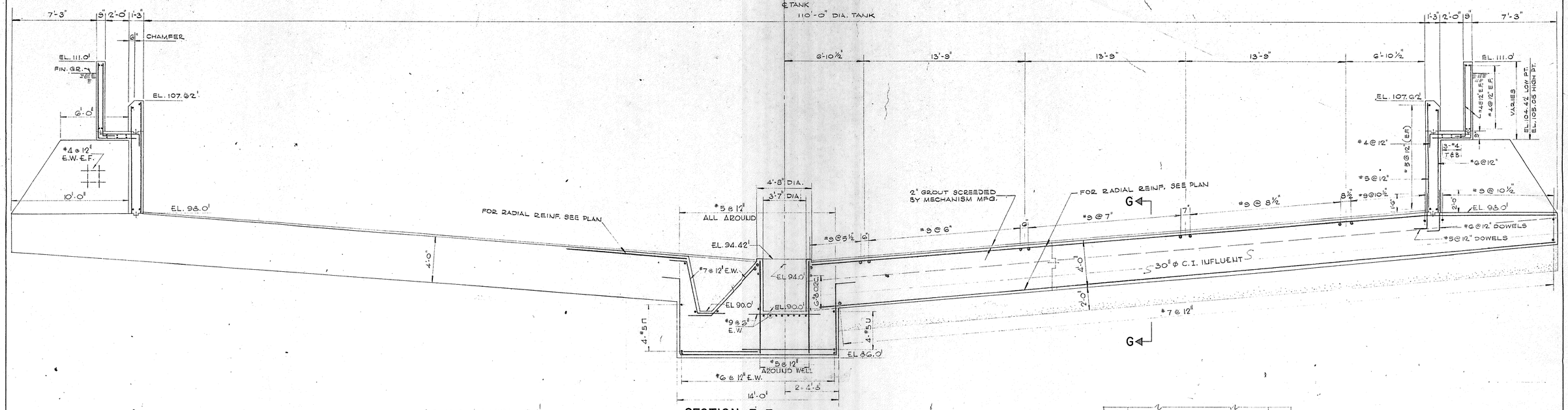
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO.

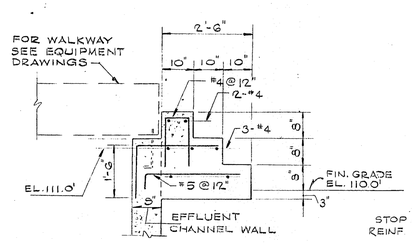
SECONDARY SETTLING TANK
STRUCTURAL PLAN

SCALE
AS NOTED

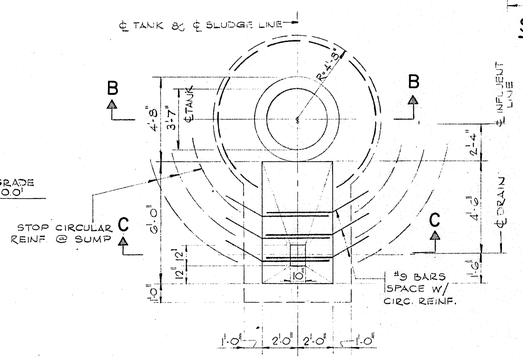
C. A. M. NO.

DRAWING NO.
80

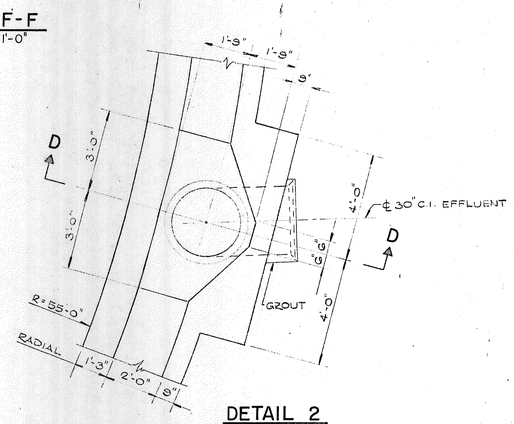


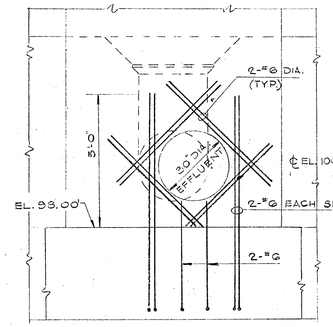

SECTION A-A
SCALE: 1/2" = 1'-0"




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



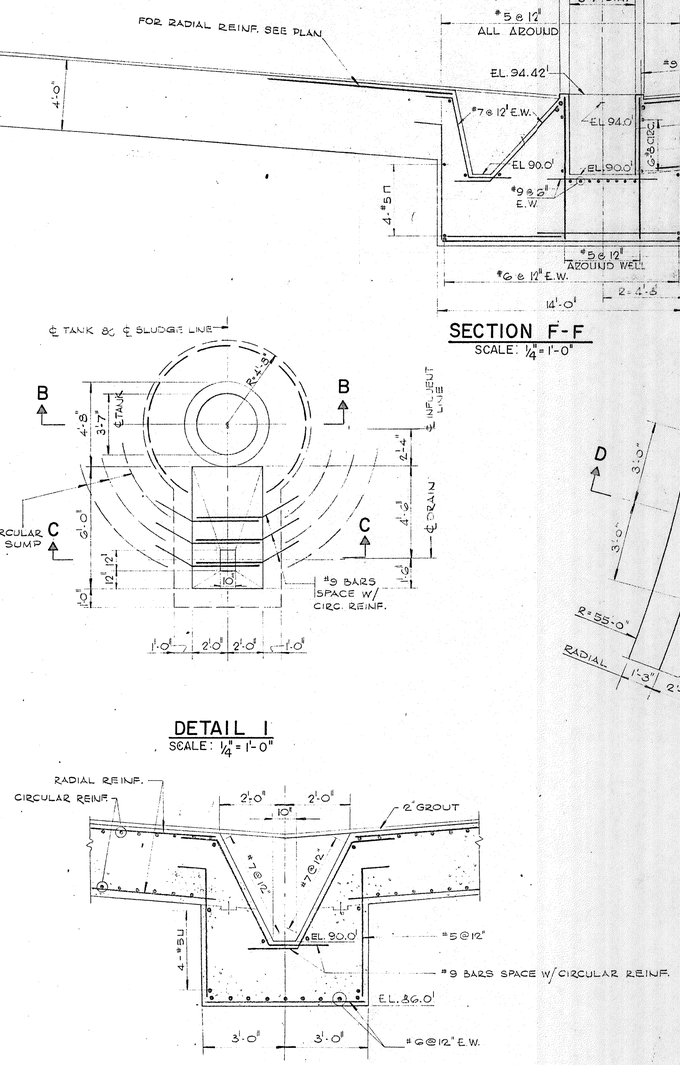

DETAIL 2
SCALE: 3/8" = 1'-0"



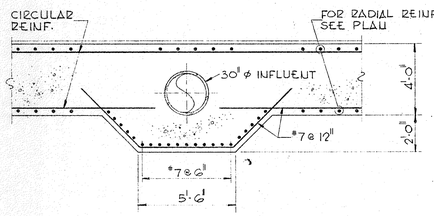

ELEVATION E-E
SCALE: 3/8" = 1'-0"



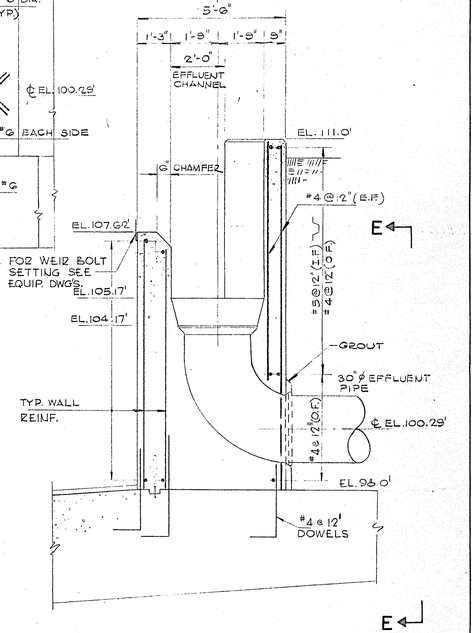

SECTION B-B
SCALE: 1/4" = 1'-0"




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




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




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

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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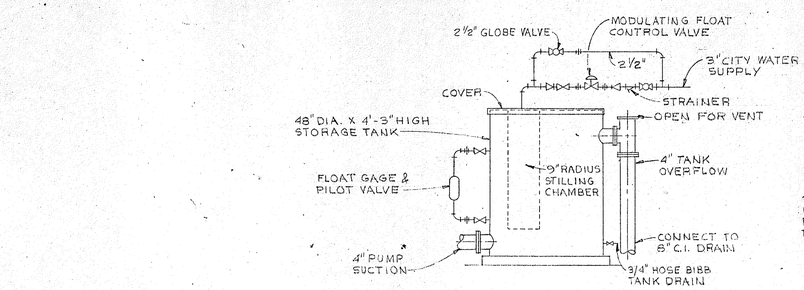
DRAWN: J. MEDEIROS DESIGNED: C. HIRSCH
CHECKED: V. SYLVIA APPROVED: C. HIRSCH
DATE: AUGUST, 1970

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

APPROVED
TOWN OF STRATFORD

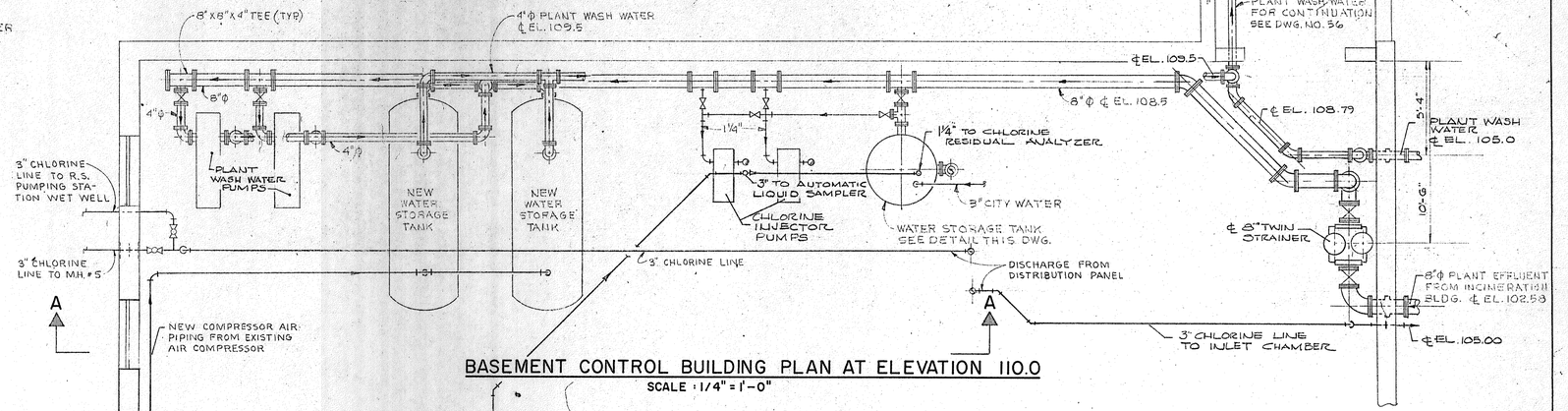
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO.
SECONDARY SETTLING TANKS
STRUCTURAL PLAN - SECTIONS

SCALE: AS NOTED
C. A. M. NO.
DRAWING NO. 81



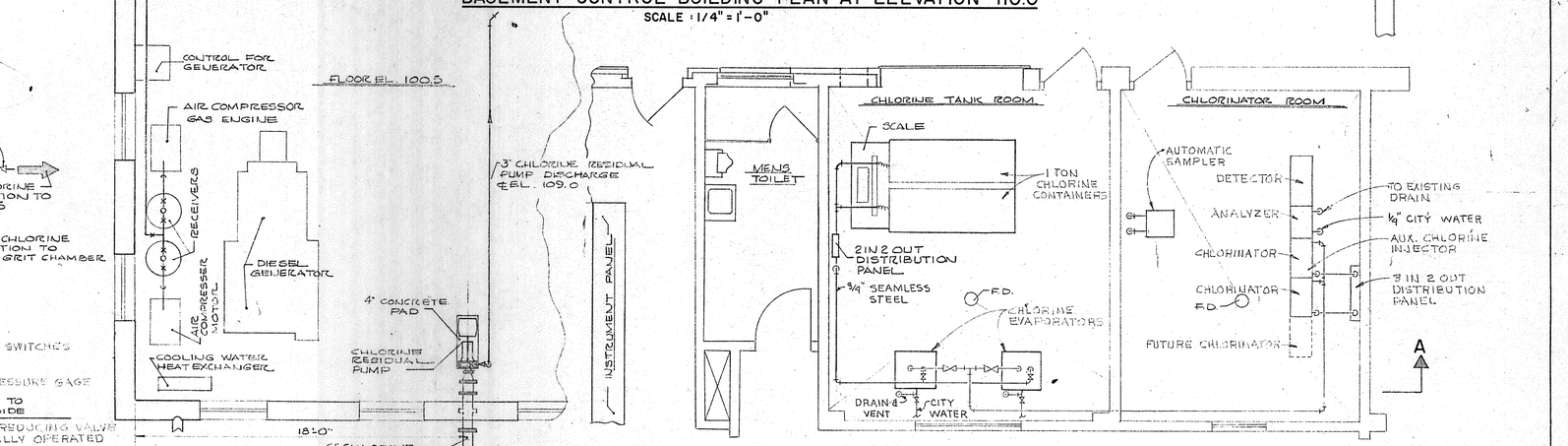

## WATER STORAGE TANK DETAIL

NO SCALE



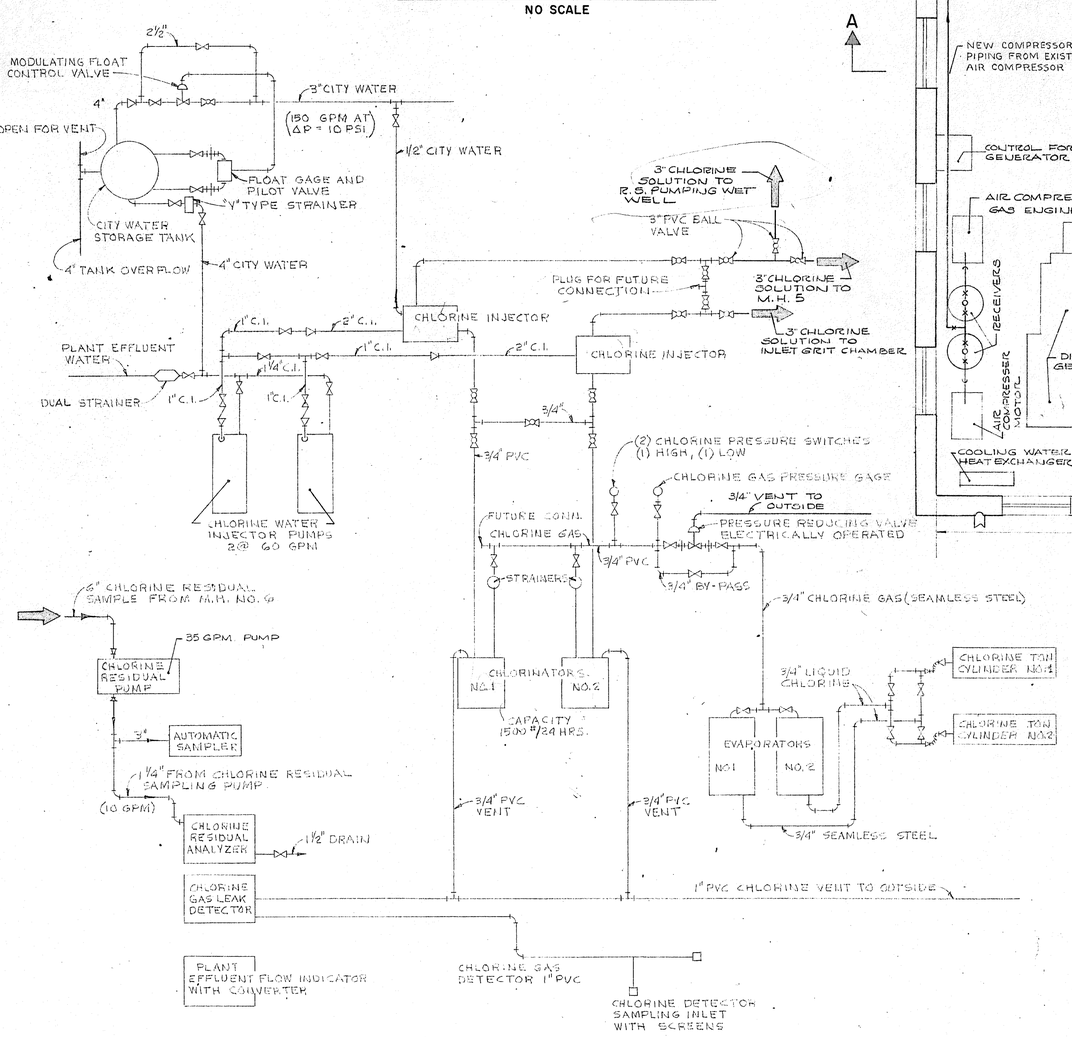

## BASEMENT CONTROL BUILDING PLAN AT ELEVATION 110.0

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



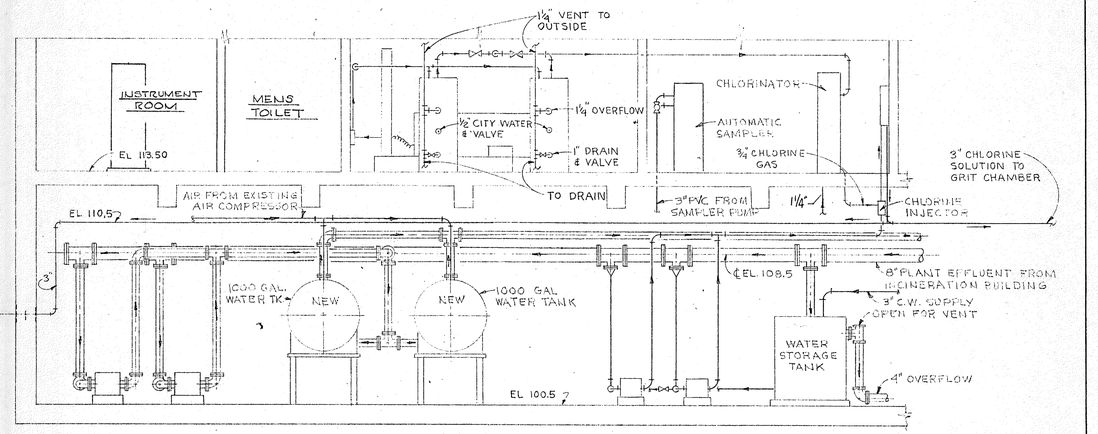

## GROUND FLOOR CONTROL BUILDING PLAN AT ELEVATION 121.0

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




## CHLORINATION SYSTEM PIPING DIAGRAM

NO SCALE




## SECTION A-A

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

**NOTE:**
FOR REFERENCE SEE DWG No. 10.

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: P. ZAWADZKI – 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

CONTROL BUILDING ALTERATIONS
EQUIPMENT AND PIPING
CHLORINE SCHEMATIC AND SECTION

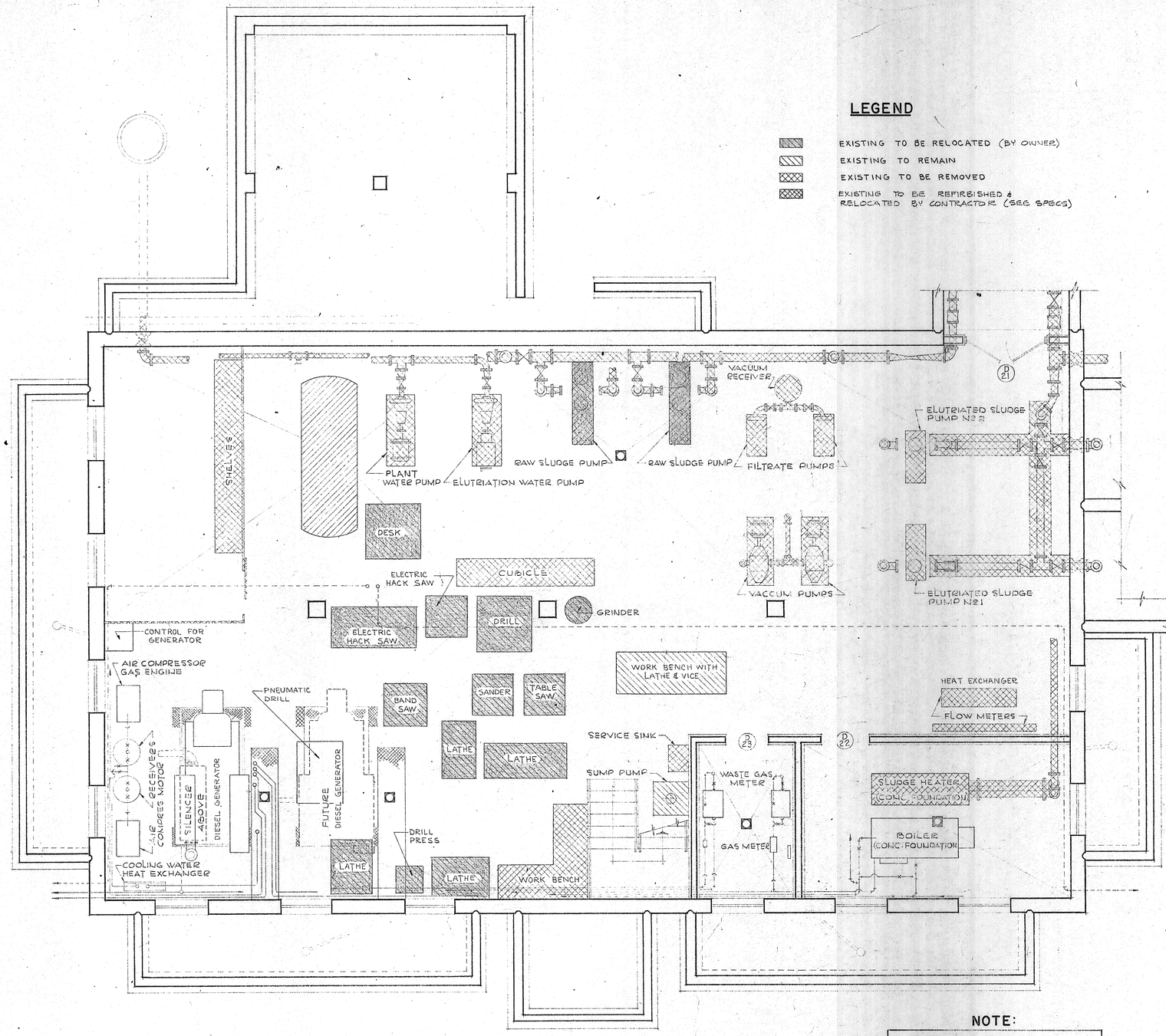
SCALE
AS NOTED

C. A. M. No. 1165

DRAWING NO.
82

## LEGEND

- EXISTING TO BE RELOCATED (BY OWNER)
- EXISTING TO REMAIN
- EXISTING TO BE REMOVED
- EXISTING TO BE REFIRBISHED & RELOCATED BY CONTRACTOR (SEE SPECS)




## BASEMENT FLOOR PLAN

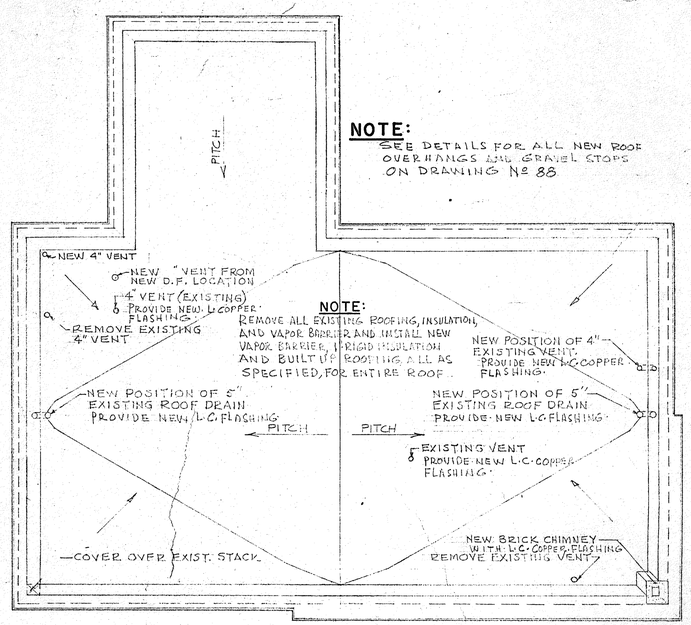
SCALE 1/4" = 1'-0"

**NOTE:**

CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.

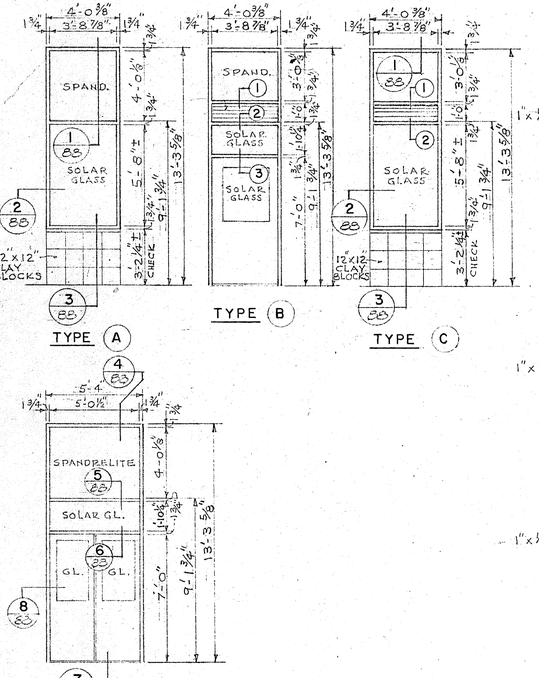
**NOTE:**

SEE DETAILS FOR ALL NEW ROOF OVERHANGS AND GRAVEL STOPS ON DRAWING N2 88



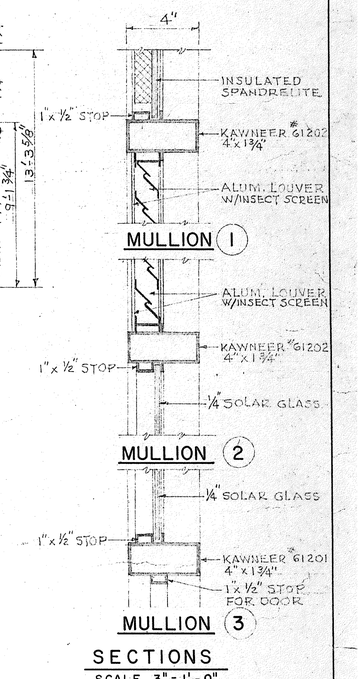

## ROOF PLAN

SCALE 1/8" = 1'-0"




## WINDOW & DOOR FRAME SCHEDULE

SCALE 1/4" = 1'-0"




## SECTIONS

SCALE 3" = 1'-0"

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

STATE OF CONNECTICUT REGISTERED ARCHITECT No. 5299

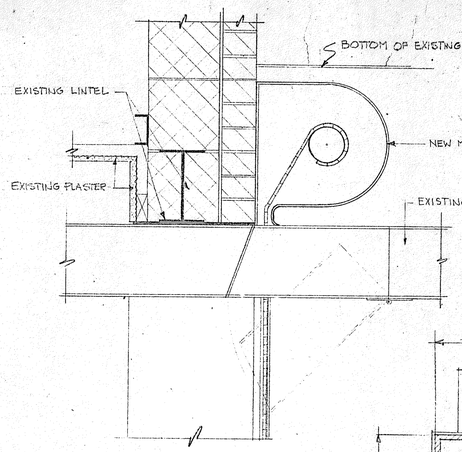
DRAWN: F. DIAS H. SAMSON DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON APPROVED: P.T. CARVER
DATE: AUGUST, 1970

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

APPROVED
TOWN OF STRATFORD

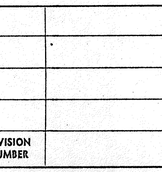
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
CONTROL BUILDING-ALTERATIONS
ARCHITECTURAL
BASEMENT PLAN

SCALE AS NOTED
C. A. M. NO. 1165
DRAWING NO. 83




## SECTION @ HEAD OF NEW METAL ROLL-UP DOOR

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



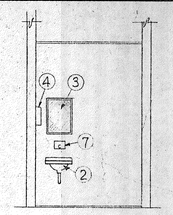

## JAMB

NO SCALE

## SILL OF DOOR

NO SCALE

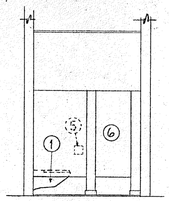
EXISTING AREA & GRATING RAISED TO TOP ELEV. 113.25




SCHEDULE OF TOILET FIXTURES & ACCESSORIES

1. WATER CLOSET
2. LAVATORY
3. MIRROR
4. PAPER TOWEL DISPENSER
5. TOILET PAPER HOLDER
6. METAL TOILET PARTITION
7. SOAP DISPENSER

## SOUTH ELEV. 1/84




## NORTH ELEV. 2/84

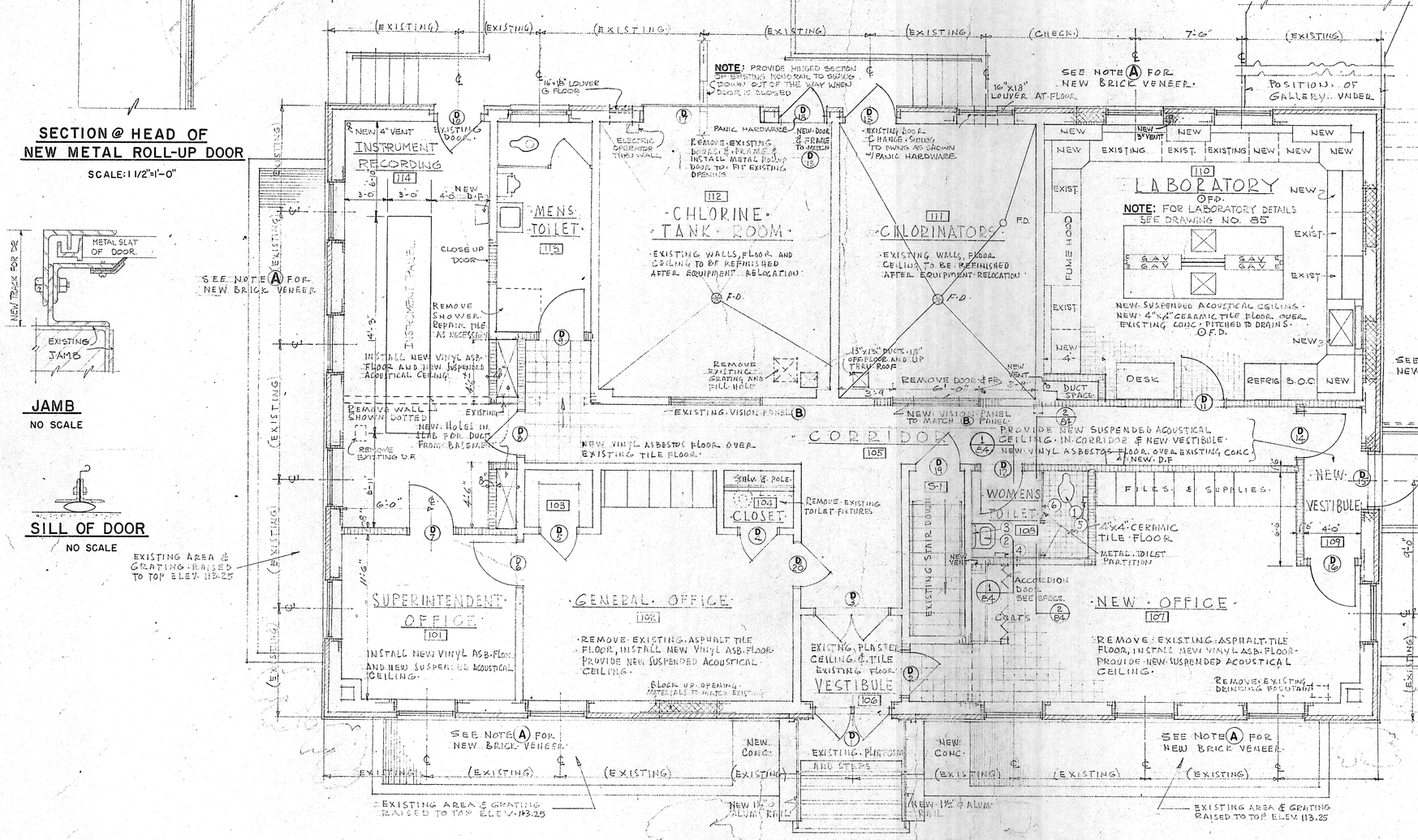
## ELEVATIONS OF TOILET

SCALE 1/4" = 1'-0"

## DOOR SCHEDULE

| NO. | SIZE | TYPE | SADDLE | GLAZING | LINTEL | REMARKS |
|---|---|---|---|---|---|---|
| 1 | 2) 2'-6" x 7'-0" | NEW ALUM. | NEW ALUM. | 1/4" SOLAR PL. | EXISTING | SEE DETAILS DRAWING #70 |
| 2 | 3'-0" x 7'-0" | NEW FLUSH | —— | —— | 2-1/4 IN GL TC. | |
| 3 | 3'-0" x 7'-0" | EXISTING | —— | EXISTING | EXISTING | |
| 4 | 2'-6" x 7'-0" | EXISTING | —— | —— | EXISTING | |
| 5 | 2'-6" x 7'-0" | EXISTING | EXISTING | —— | EXISTING | |
| 6 | 3'-0" x 7'-0" | EXISTING | EXISTING | —— | EXISTING | |
| 7 | 3'-0" x 7'-0" | RELOCATED | —— | —— | 2-1/4 IN GL TC. | |
| 8 | 3'-0" x 7'-0" | EXISTING | EXISTING | —— | EXISTING | |
| 9 | 2'-6" x 7'-0" | RELOCATED | —— | —— | 2-1/4 IN GL TC. | |
| 10 | 3'-0" x 7'-0" | EXISTING | EXISTING | EXISTING | EXISTING | |
| 11 | 3'-0" x 7'-0" | RELOCATED | NEW ALUM. | EXISTING | 2-1/4 IN GL TC. | |
| 12 | 3'-0" x 7'-0" | RELOCATED | NEW ALUM. | —— | 2-1/4 IN GL TC. | |
| 13 | 3'-0" x 7'-0" | EXISTING | EXISTING | EXISTING | EXISTING | CHANGE SWING OF DR. & ADD PANIC HARDWARE |
| 14 | 3'-0" x 7'-0" | NEW FLUSH | —— | —— | 2-1/4 IN GL TC. | |
| 15 | 3'-0" x 7'-0" | NEW FLUSH | NEW ALUM. | 1/4" SOLAR PL. | —— | SEE DETAILS DRAWING #70 |
| 16 | 3'-0" x 7'-0" | EXISTING | EXISTING | EXISTING | EXISTING | |
| 17 | 8'-0" x 10'-5 3/8" | MT'L ROLL UP TO FIT EXISTING MASONRY OPENING | | | | |
| 18 | 3'-0" x 7'-0" | NEW FLUSH | TO MATCH | EXISTING | EXISTING | PANIC HARDWARE |
| 19 | 3'-0" x 7'-0" | EXISTING | EXISTING | —— | EXISTING | |
| 20 | 3'-0" x 7'-0" | EXISTING | EXISTING | —— | EXISTING | |
| 21 | 5'-0" x 7'-0" | EXISTING | —— | EXISTING | EXISTING | |
| 22 | 3'-6" x 7'-6" | EXISTING | —— | —— | EXISTING | |
| 23 | 3'-0" x 7'-0" | EXISTING | —— | —— | EXISTING | |

NOTE: 1. ALL EXTERIOR DOORS TO HAVE WEATHERSTRIPPING, JAMB, HEAD & SILL.
2. ALL HEIGHTS ARE FROM FINISH FLOOR - NO ALLOWANCE MADE FOR THRESHOLDS.




## FIRST FLOOR PLAN

SCALE 1/4"=1'-0"

### MATERIALS LEGEND

- = EXISTING WORK TO REMAIN
- = NEW GLAZED TILE WALLS TO MATCH EXISTING WALLS
- = NEW BRICK VENEER
- = NEW CONC. BLOCK FILLIN
- = CONCRETE

(E) ALL EQUIP. IN PRESENT LABORATORY, FILTER RM., FERRIC RM., & CHLORINATION RM., THAT IS NOT RELOCATED ON THE DRAWINGS SHALL BE REMOVED & REMAIN PROPERTY OF THE OWNER & TO BE STORED AT A DESIGNATED LOCATION AS DIRECTED BY THE OWNER.

(F) ALL EXISTING DRUGS REMAINING AFTER ALTERATIONS, SHALL BE GROUTED & FILLED W/ PLAS., CONC. OR GLAZED TILE TO MATCH EXISTING.

CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.

### NOTES:

(A) ALL EXISTING BRICK VENEER TO BE REMOVED, EXISTING HEADERS CUT BACK FLUSH WITH REMAINING CONC. BLOCK WALL. EXISTING CONC. BLOCK WALL IS TO CLEANED OF EXCESS MORTAR, AND NEW CRIMP ANCHORS ATTACHED TO SURFACE. DAMPPROOF ENTIRE REMAINING SURFACE OF EXISTING CONC. BLOCK WALL AND INSTALL NEW BRICK VENEER AS INDICATED.

(B) SEE DRAWING Nº 83 FOR WINDOW SCHEDULE

(C) ALL EXISTING CONCRETE FOUNDATIONS ABOVE GRADE, TO BE SANDBLASTED TO CLEAN OFF EXISTING PAINT.

(D) CEILING HEIGHT IN CORRIDOR, NEW VESTIBULE & WOMENS TOILET SHALL BE 9'-1"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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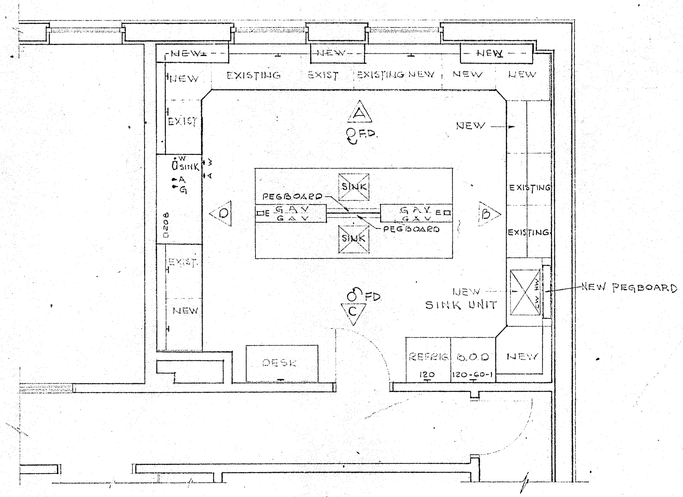
DRAWN: R. HAMILTON — DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON — APPROVED: P. T. CARVER
DATE: AUGUST, 1970

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

APPROVED
TOWN OF STRATFORD

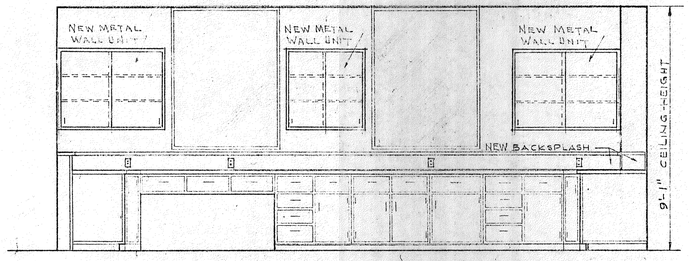
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
CONTROL BUILDING ALTERATIONS
ARCHITECTURAL
FIRST FLOOR PLAN

SCALE: 1/4"=1'-0" (VERT. 1"=4')
C. A. M. NO. 1165
DRAWING NO. 84



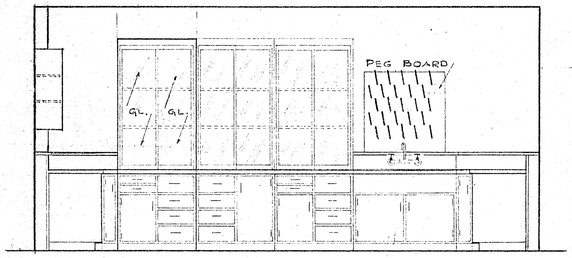

PLAN OF LABORATORY

SCALE 1/4"=1'-0"



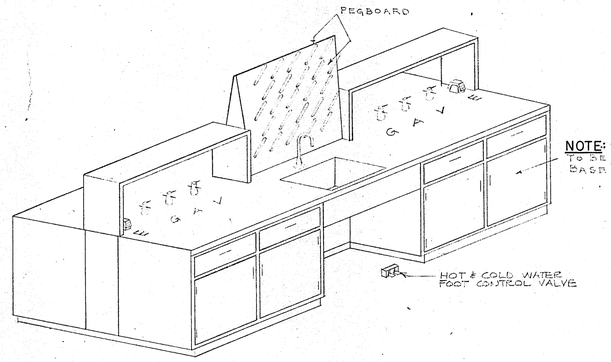

ELEVATION A

SCALE 3/8"=1'-0"

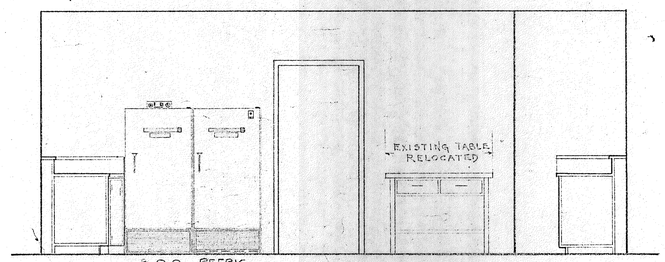



ELEVATION B

SCALE 3/8"=1'-0"

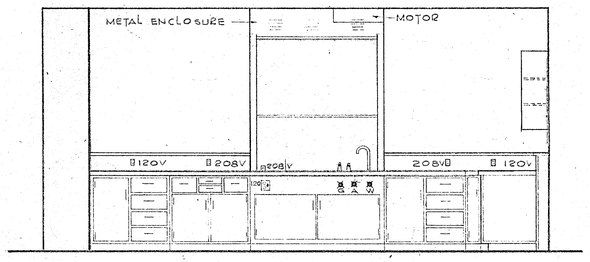



ISOMETRIC OF CENTER TABLE




ELEVATION C

SCALE 3/8"=1'-0"




ELEVATION D

SCALE 3/8"=1'-0"

**NOTE:**

CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.

**NOTES:**

1. UNITS INDICATED AS EXISTING ARE LOCATED IN THE PRESENT LABORATORY & SHALL BE RELOCATED IN THE NEW LABORATORY
2. ALL EQUIPMENT IN THE PRESENT LABORATORY THAT IS NOT RELOCATED SHALL BE REMOVED & REMAIN PROPERTY OF THE OWNER & TO BE STORED AT A DESIGNATED LOCATION AS DIRECTED BY THE OWNER

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: F. DIAS DESIGNED: G. KINNIBURGH

CHECKED: G. KINNIBURGH 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

CONTROL BUILDING - ALTERATIONS

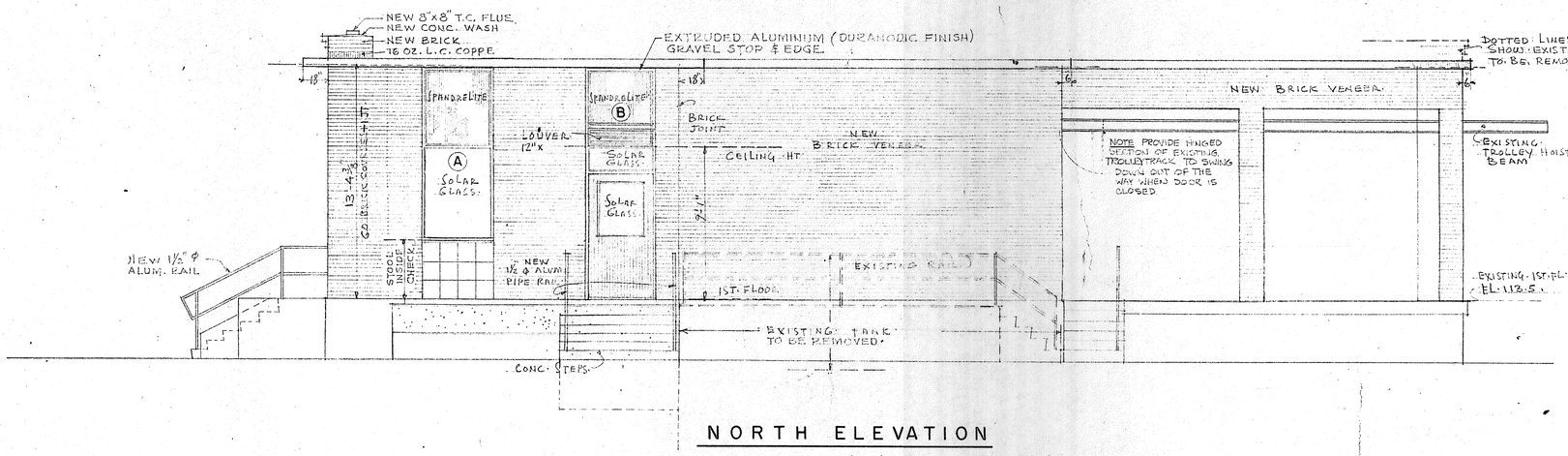
EQUIPMENT

LABORATORY - PLAN - ELEVATIONS

SCALE AS NOTED

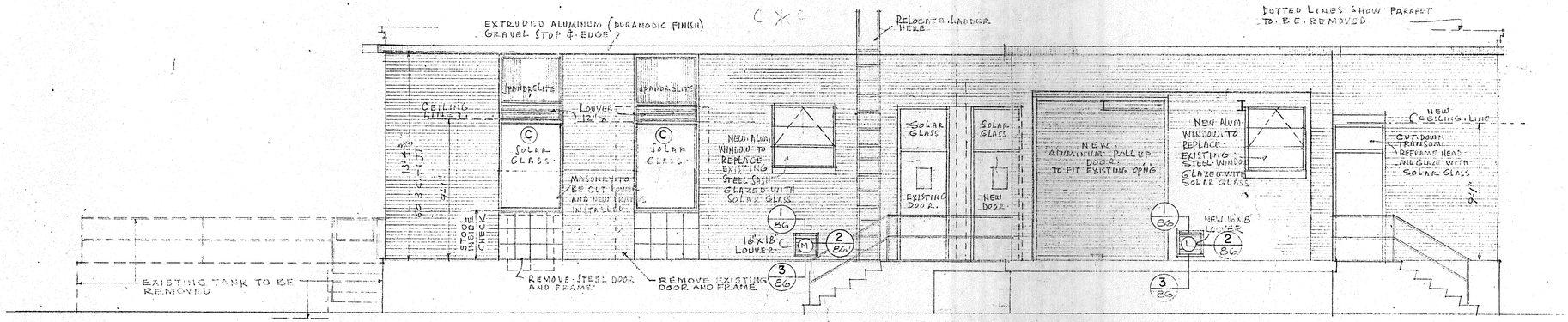
C. A. M. NO. 1165

DRAWING NO. 85




## NORTH ELEVATION

SCALE 1/4" = 1'-0"

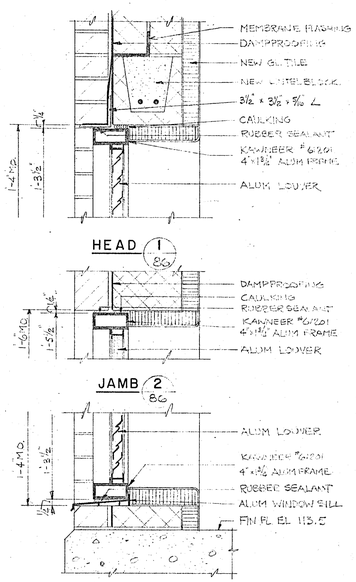



## WEST ELEVATION

SCALE 1/4" = 1'-0"

### NOTE:

CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.




## DETAILS OF LOUVERS L & M

SCALE 1½" = 1'-0"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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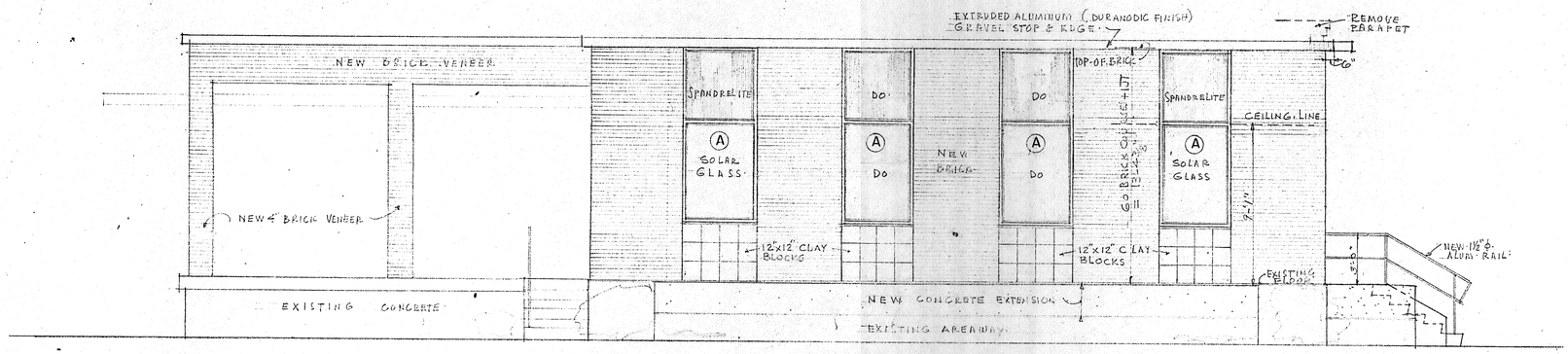
DRAWN: R. HAMILTON DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON APPROVED: P. T. CARVER
DATE: AUGUST, 1970

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

APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
CONTROL BUILDING-ALTERATIONS
ARCHITECTURAL
WEST-NORTH-ELEVATIONS

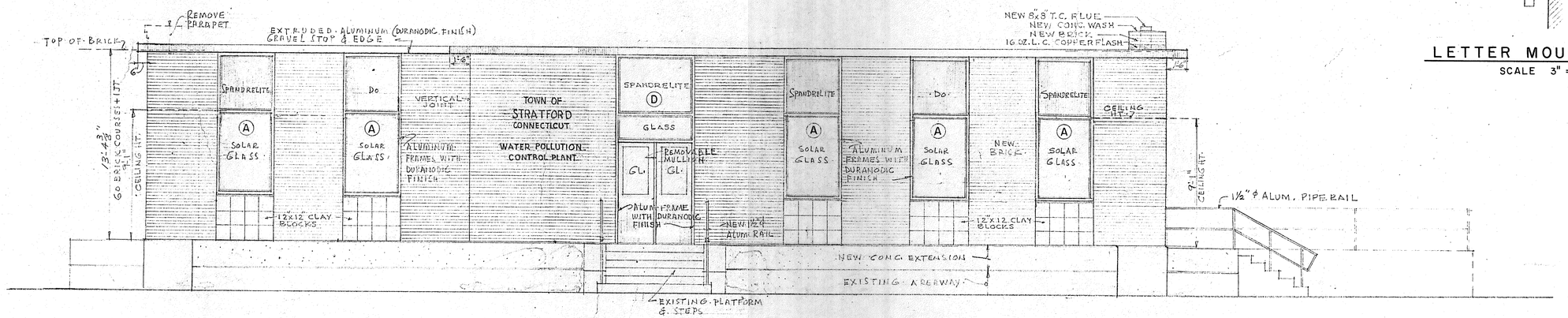
SCALE 1/4"=1'-0"
C. A. M. NO. 1165
DRAWING NO. 86




**NOTE:** ALL EXISTING EXTENSION CONCRETE FOUNDATION ABOVE GRADE TO BE SANDBLASTED. SEE SPECS.

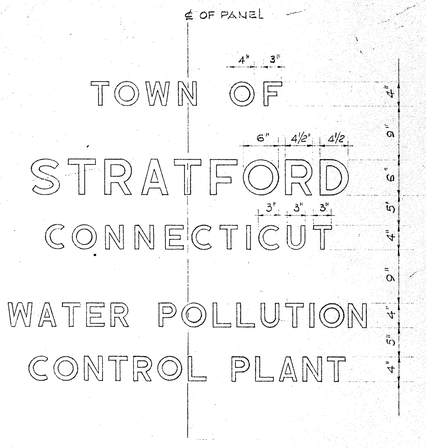
## SOUTH ELEVATION

SCALE 1/4" = 1'-0"




## EAST ELEVATION

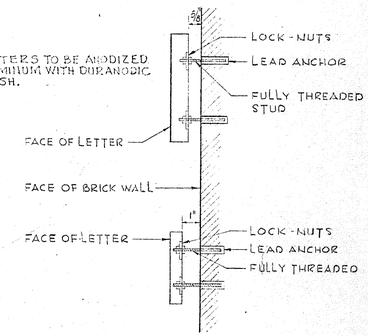
SCALE 1/4" = 1'-0"




## LAYOUT OF LETTERS

SCALE 1" = 1'-0"

**NOTE:** LETTERS TO BE ANODIZED ALUMINUM WITH DURANODIC FINISH.




## LETTER MOUNTING DETAIL

SCALE 3" = 1'-0"

**NOTE:**

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| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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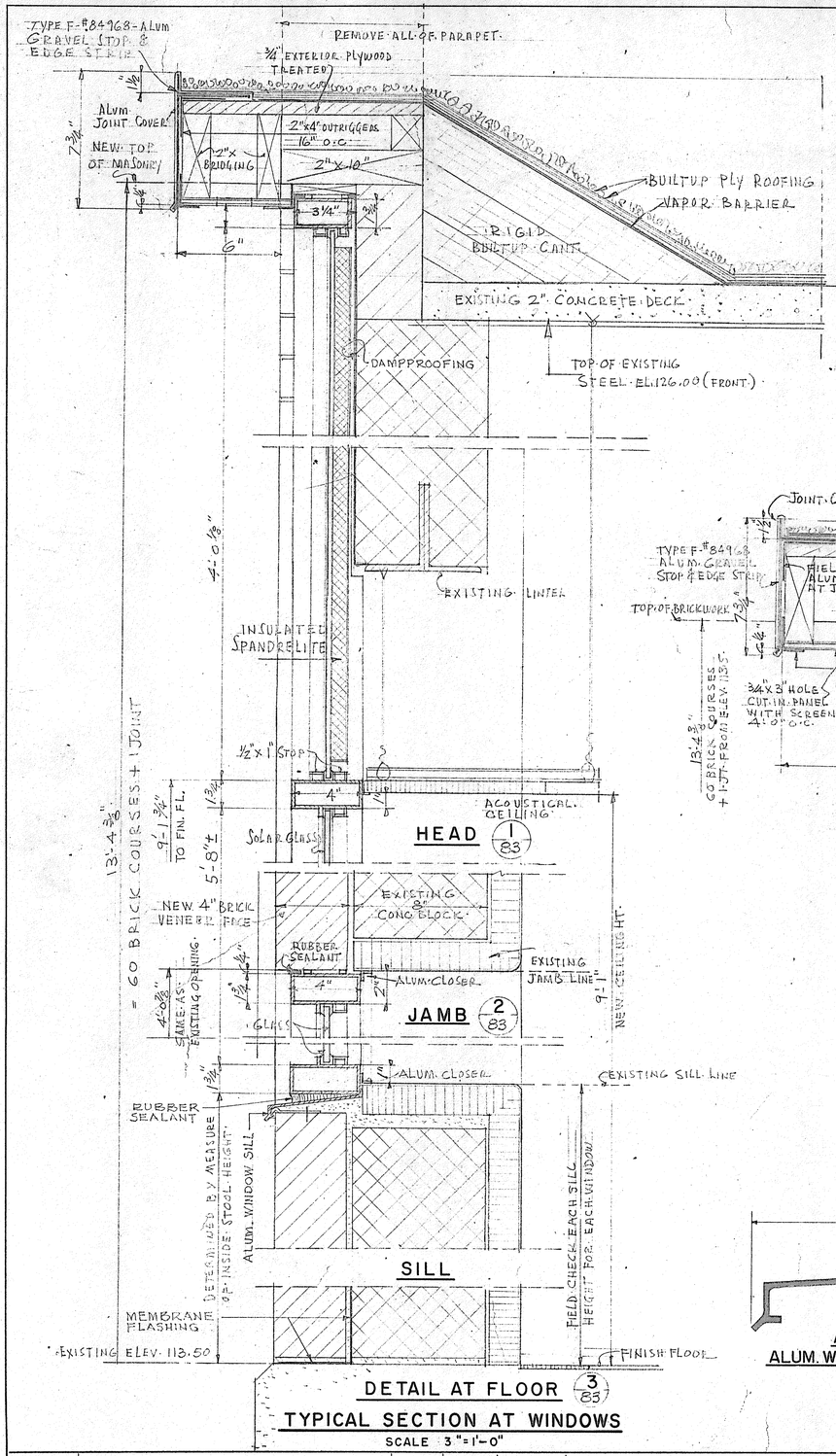
DRAWN: R. HAMILTON DESIGNED: R. HAMILTON
CHECKED: R. HAMILTON APPROVED: P.T. CARVER
DATE: AUGUST , 1970

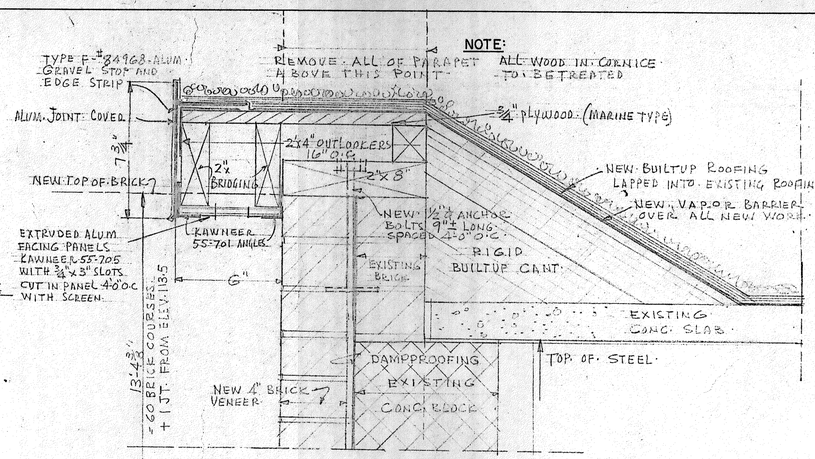
CHARLES A. MAGUIRE & ASSOCIATES
ENGINEERS
PROVIDENCE, R.I. WETHERSFIELD, CONN. BOSTON, MASS.

APPROVED
TOWN OF STRATFORD

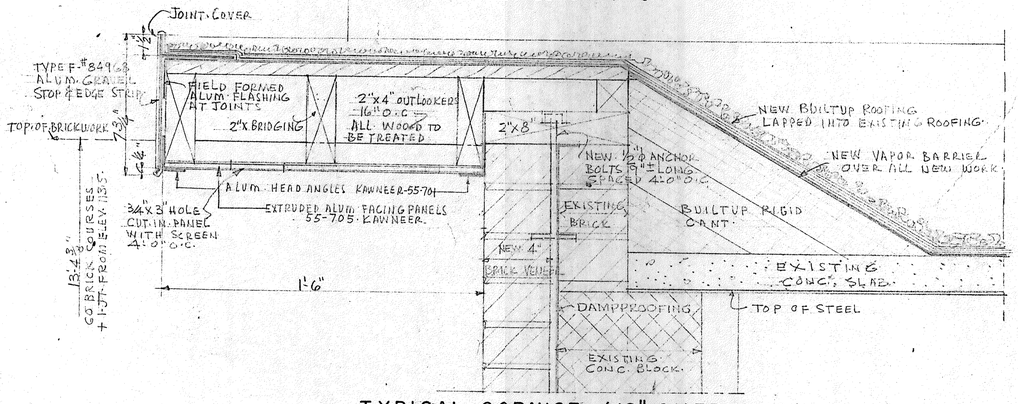
TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
CONTROL BUILDING-ALTERATIONS
ARCHITECTURAL
EAST-SOUTH-ELEVATIONS

SCALE
AS NOTED
C. A. M. No. 1165
DRAWING NO.
87

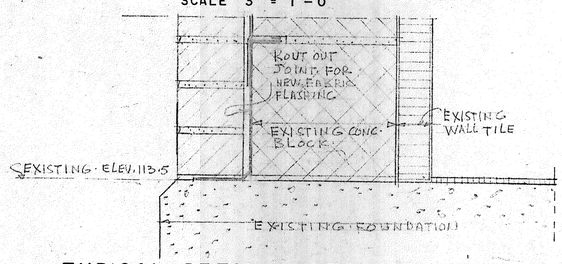


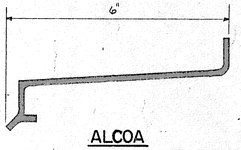

TYPICAL CORNICE - (6" OVERHANG)
SCALE 3" = 1'-0"



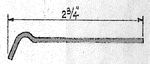

TYPICAL CORNICE - (18" OVERHANG)
SCALE 3" = 1'-0"




TYPICAL DETAIL AT TOP OF FOUNDATION
SCALE 3" = 1'-0"

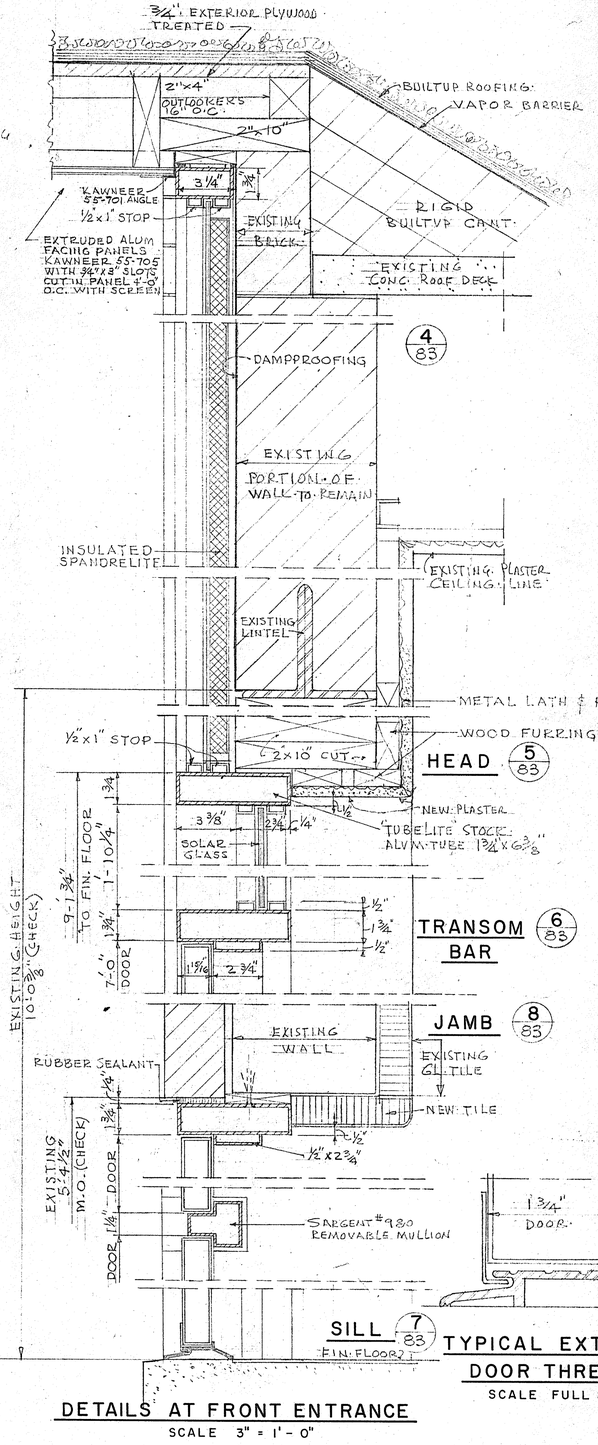



ALCOA
ALUM. WINDOW SILL TYPE AA




ALCOA
ANCHOR CLIP TYPE SA-100

**NOTE:**
CONTRACTOR SHALL VERIFY ALL MEASUREMENTS AND DIMENSIONS AT THE SITE BEFORE PROCEEDING WITH THE WORK.




DETAILS AT FRONT ENTRANCE
SCALE 3" = 1'-0"

| REVISION NUMBER | DESCRIPTION | INT. | DATE | REVISION NUMBER | DESCRIPTION | INT. | DATE |
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DRAWN: R. HAMILTON 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.

APPROVED
TOWN OF STRATFORD

TOWN OF STRATFORD, CONNECTICUT
SYSTEM OF SEWERS
CONTRACT NO. 2
CONTROL BUILDING-ALTERATIONS
ARCHITECTURAL
MISCELLANEOUS DETAILS

SCALE AS NOTED
C. A. M. NO. 1165
DRAWING NO. 88