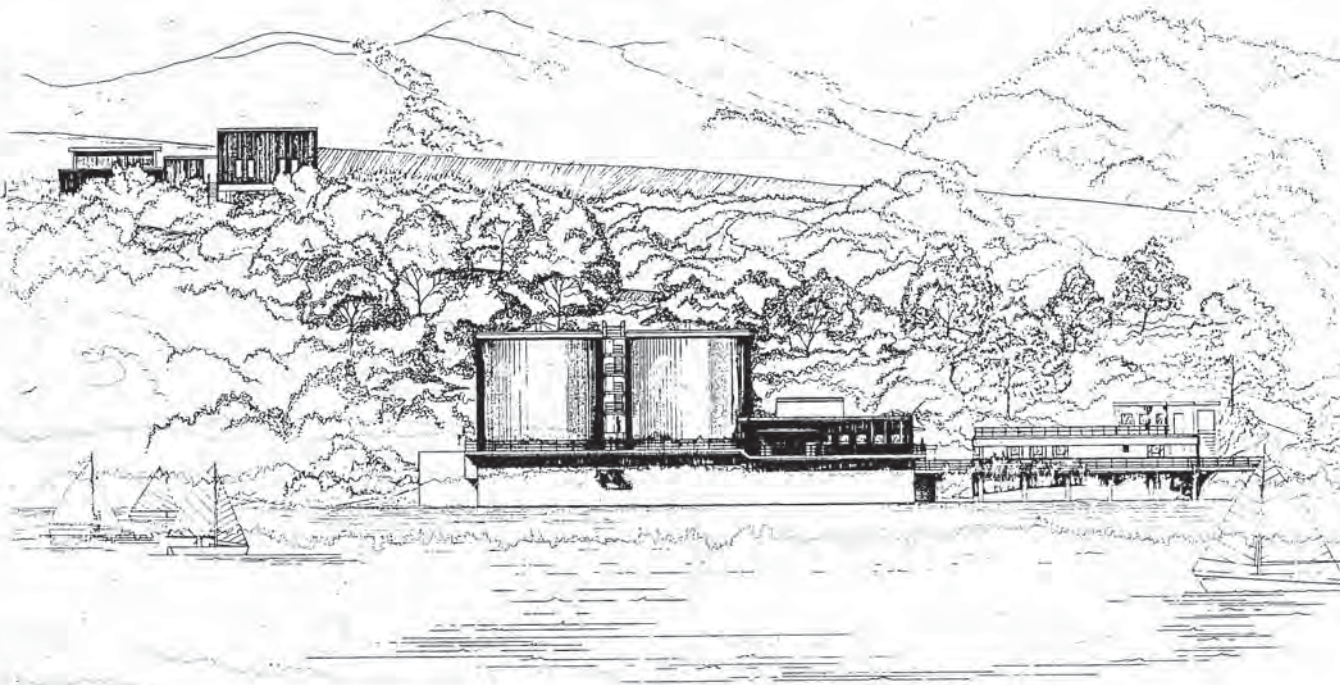


SAUSALITO - MARIN CITY SANITARY DISTRICT

WASTEWATER PLANT IMPROVEMENTS

C-06-2464



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Record Drawing
These record drawings have been prepared in part, on the basis of information compiled and furnished by others. Kennedy/Jenks Engineers is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: 4-29-88

Record
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Date: 4-29-88

Reference Information and Notes:

Designed: JHF
Drawn: RAB
Checked: JHF
Date: 1-29-81

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District

Kennedy/Jenks Engineers

San Francisco

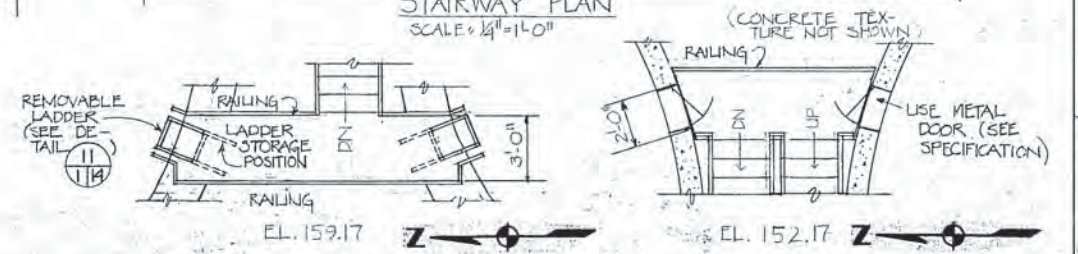
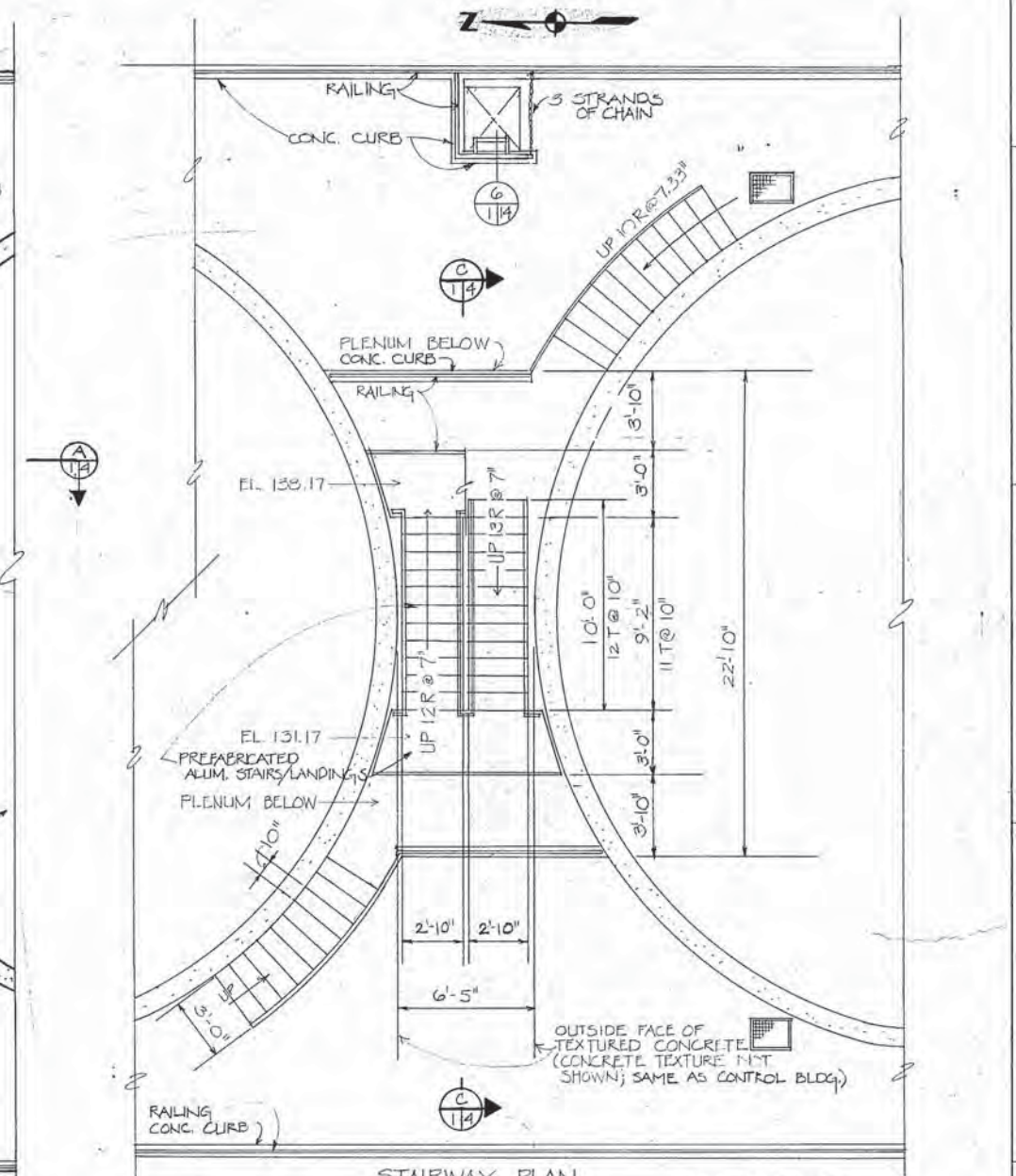
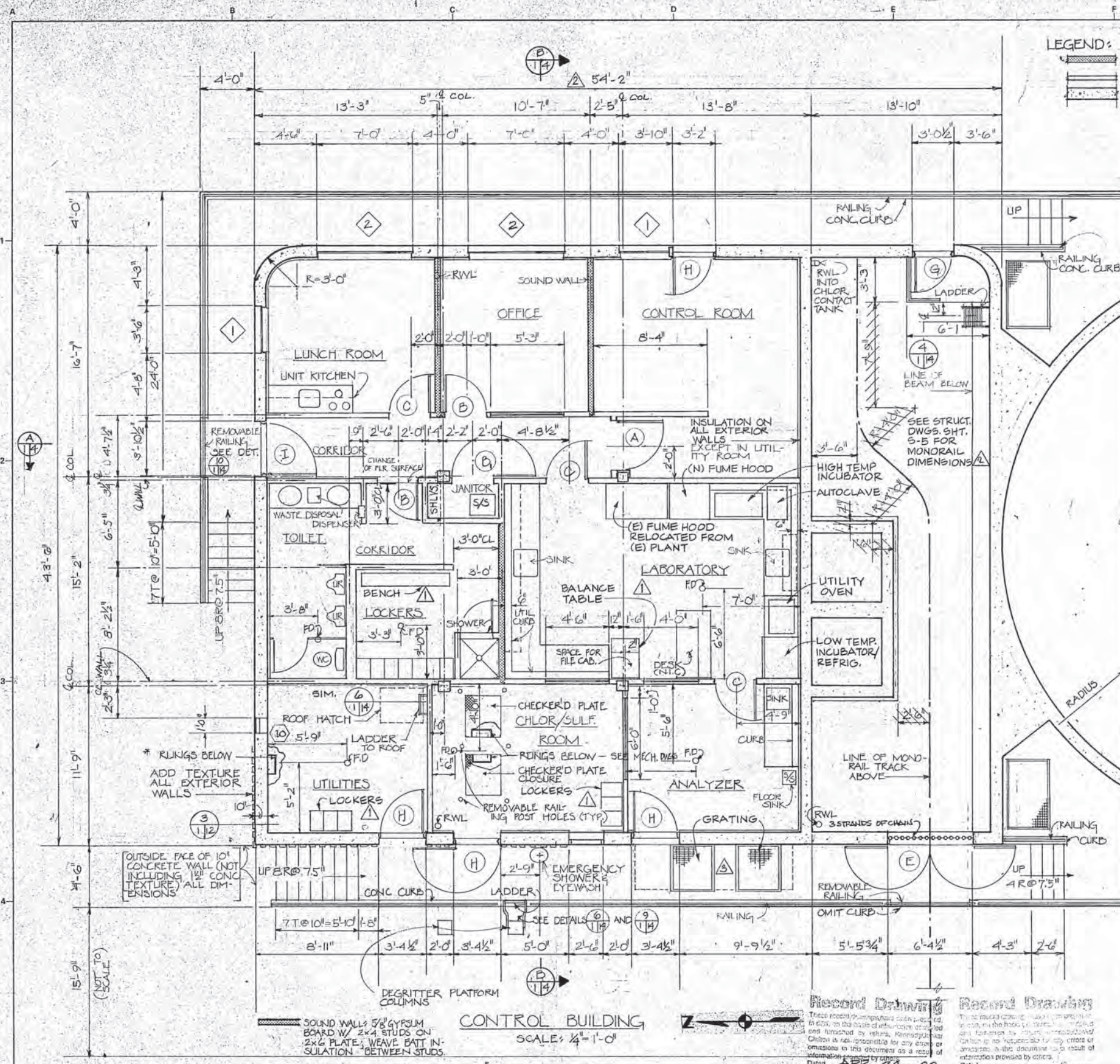
Submitted:

06376

Approved:

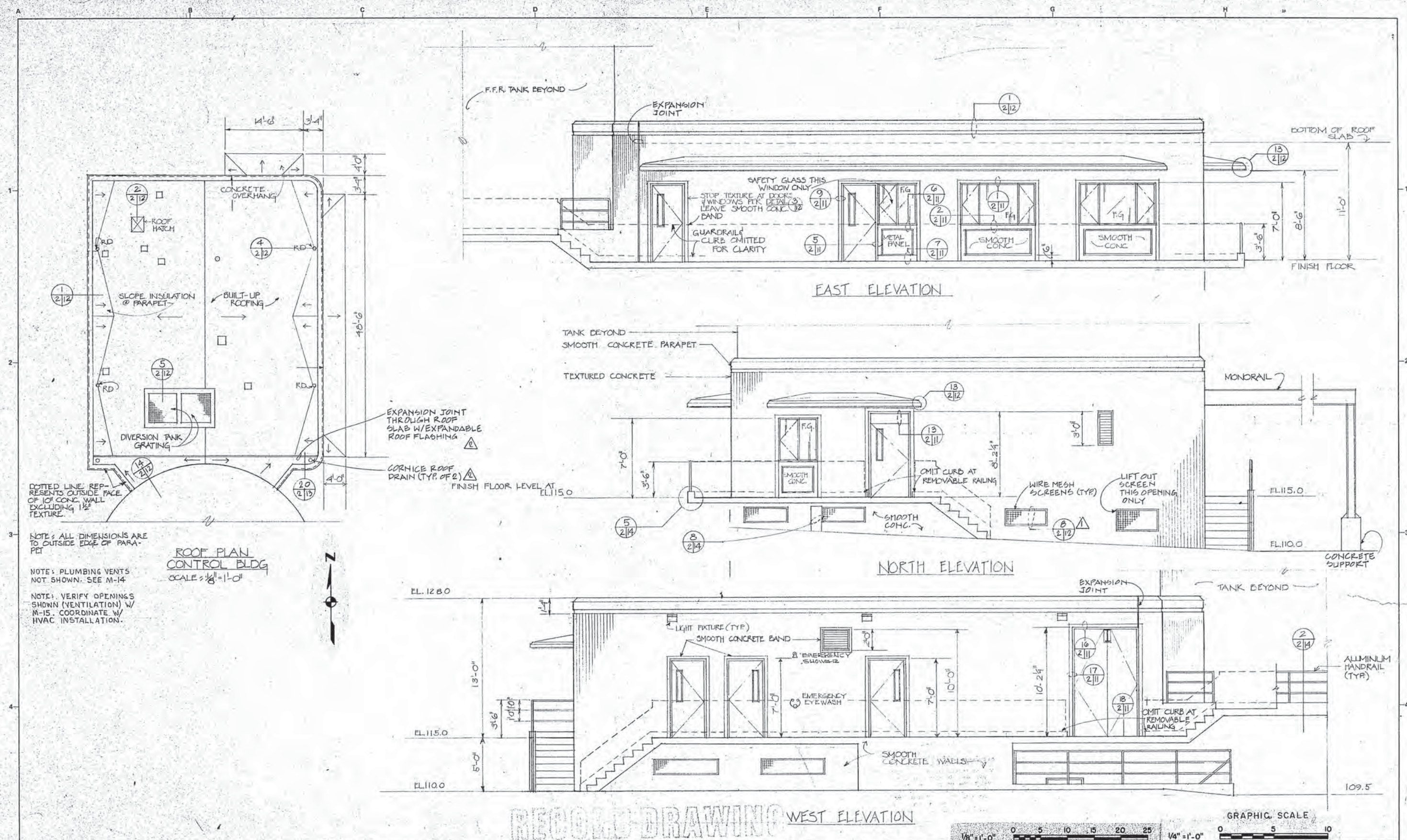
[Signature]

VICINITY
AND LIST OF



3 C.O. NO. 16 CLARIFICATION FIELD CHANGE	Reference Information and Notes: *NOTE: EMERGENCY EXIT FROM CHLORINE CONTACT TANK IF HATCHES IN CHLOR/SULF. ROOM ARE SHUT, PUSH OUT SCREEN AT TOP OF LADDER RUNGS		GRAPHIC SCALE 1/4" = 1'-0" 0 5 10	Designed JWC	Wastewater Plant Improvements C-06-2464 Sausalito - Marin City Sanitary District		Scale 1/4" = 1'-0" Job No. 0112 Sheet A-1 of
	Submit. App'd. Date			Drawn JAC	Kennedy/Jenks Engineers Submitted:		
Refer to Tracing for Latest Revision			Date 1-29-81		Approved: <i>[Signature]</i> 09370		

RECORD DRAWING



NOTE: ALL DIMENSIONS ARE TO OUTSIDE EDGE OF PARAPET

NOTE: PLUMBING VENTS NOT SHOWN. SEE M-14

NOTE: VERIFY OPENINGS SHOWN (VENTILATION) W/ M-15. COORDINATE W/ HVAC INSTALLATION.

ROOF PLAN
CONTROL BLDG
SCALE: 1/8" = 1'-0"



Revised	Description	Submit	App'd	Date
2	C.O. NO. 28			
1	C.O. NO. 3			

Refer to Tracing for Latest Revision

Reference Information and Notes:

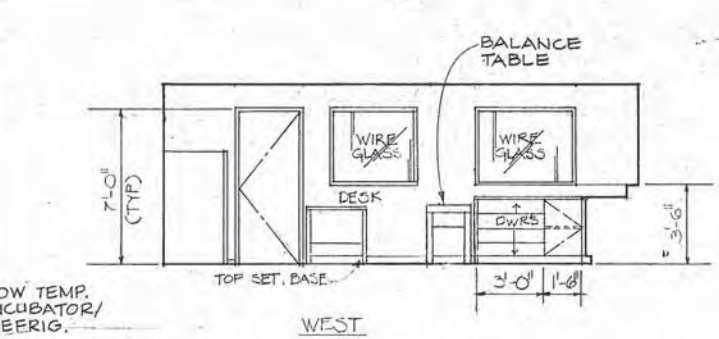
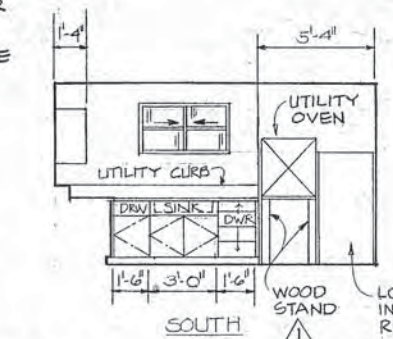
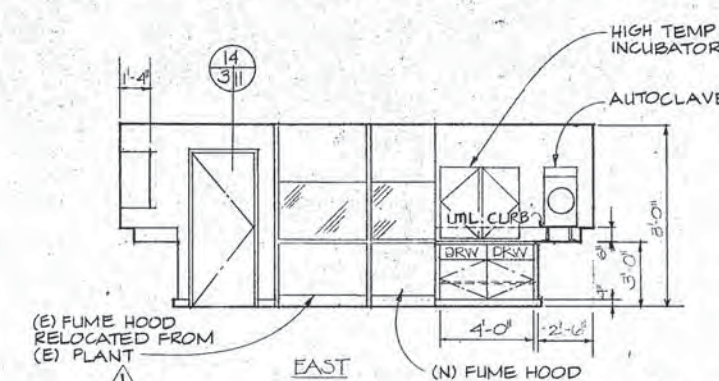
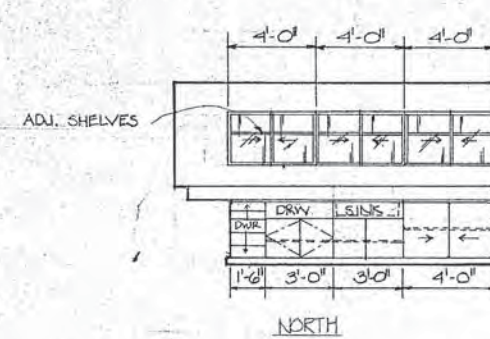
Record Drawing
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Dated: APR 24, 1988

Record Drawing
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Dated: APR 24, 1988

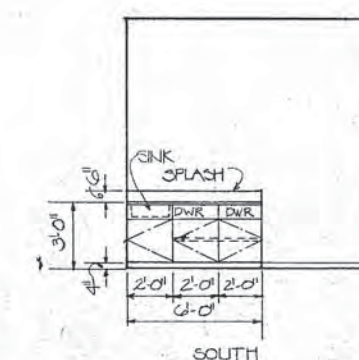
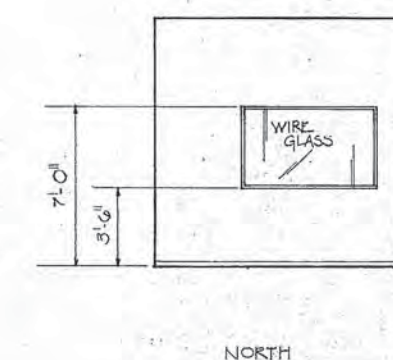
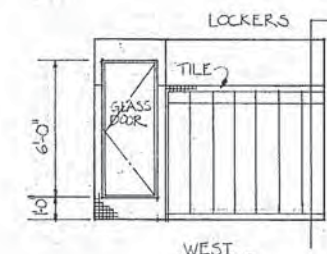
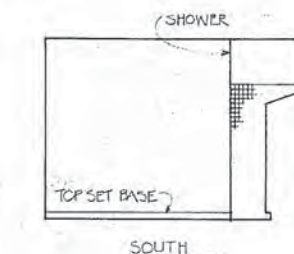
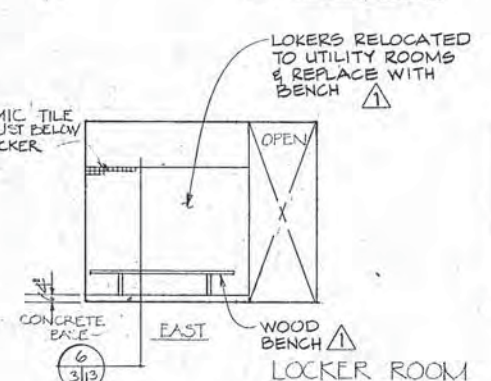
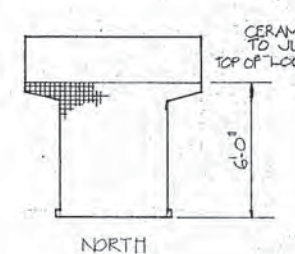
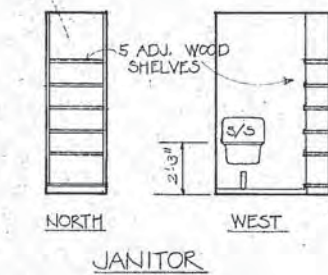
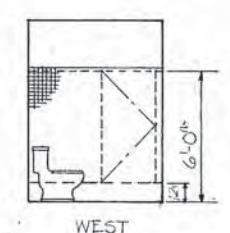
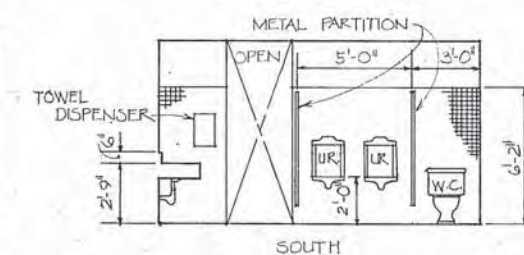
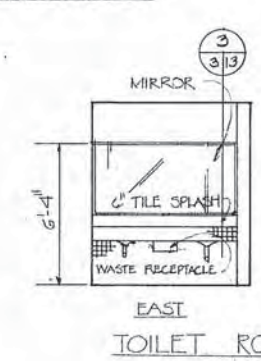
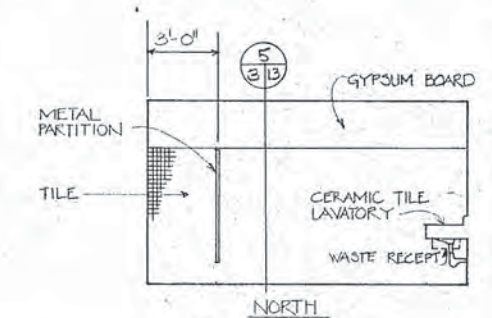
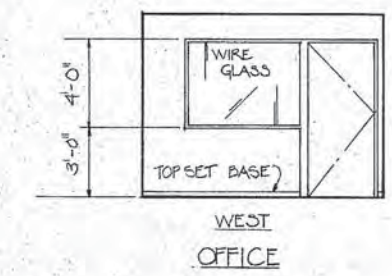
Designed JWC	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn JAC	Kennedy/Jenks Engineers	San Francisco
Checked JVC	Submitted:	Approved: <i>Robert J. Casey</i>
Date 1-29-81	Walter J. Hanna	C5370

**CONTROL BUILDING
ELEVATIONS**

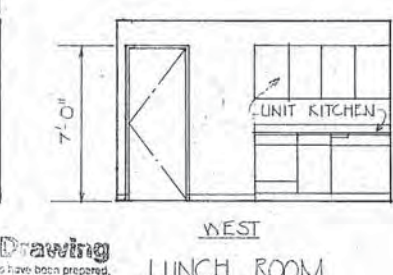
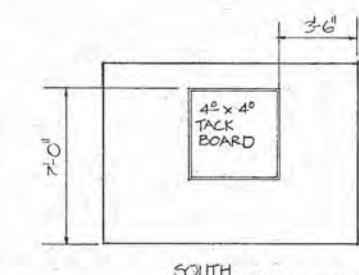
Scale
1/4" = 1'-0"
Job No.
0112
Sheet
A-2
of



LABORATORY



ANALYZER



LUNCH ROOM

Record Drawing

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Dated **APR 23, 1988**



Revised	Description	Submit.	Appr'd.	Date
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Refer to Tracing for Latest Revision				

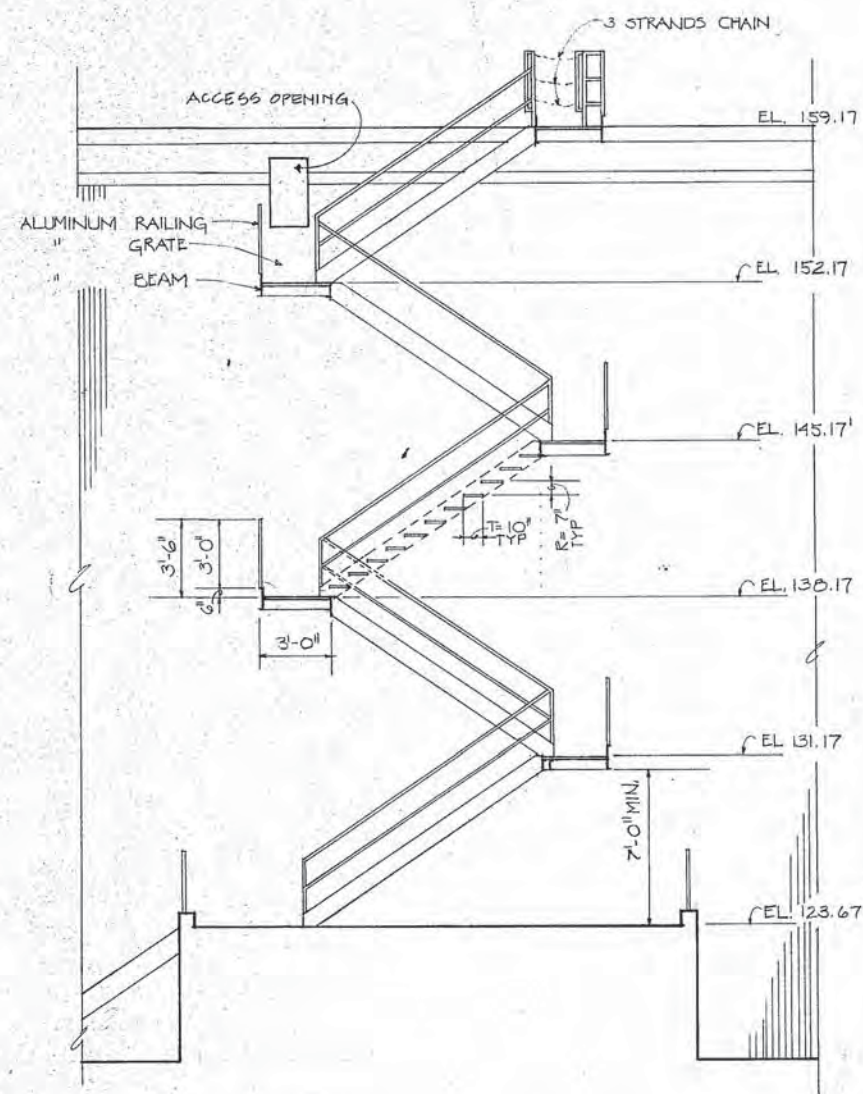
Reference Information and Notes:

SEE LAB EQUIPMENT SHOP DRAWING FOR ACTUAL DIMENSIONS OF FURNISHED LAB CABINETRY

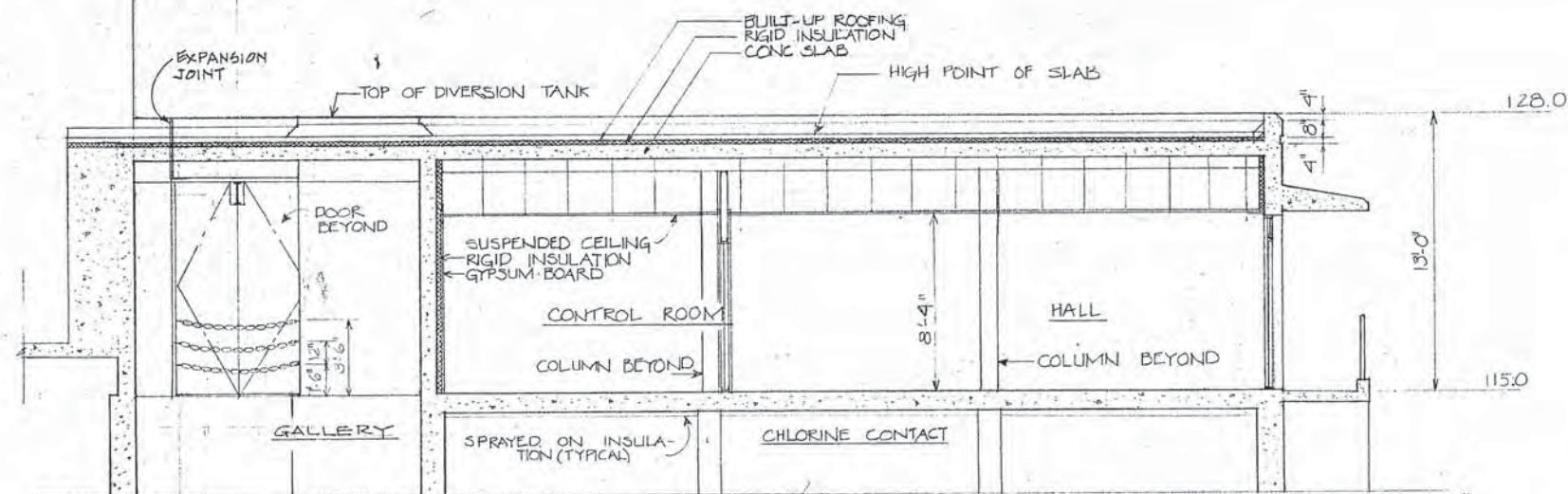
Designed JWC	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn JAC	Kennedy/Jenks Engineers	San Francisco
Checked JWC	Submitted:	Approved:
Date 1/29/81	Walter J. Hanna C9370	Robert J. Hanna

CONTROL BUILDING
INTERIOR ELEVATIONS

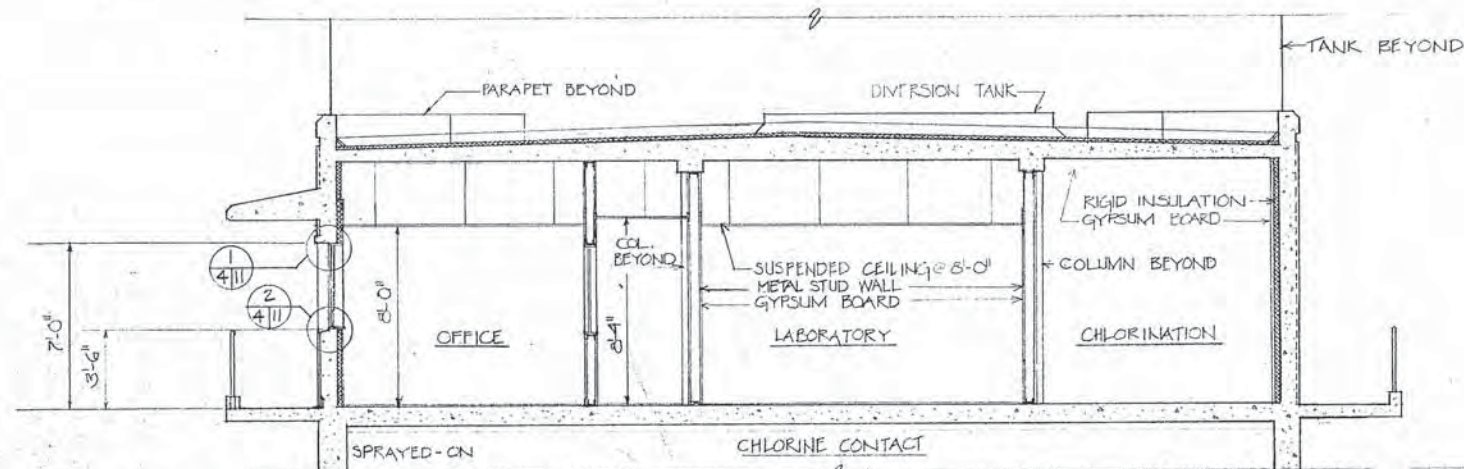
Scale 1/4" = 1'-0"
Job No. 0112
Sheet A-3



SECTION G-G
STAIRWAY AT FIXED FILM REACTOR
SCALE: 1/4" = 1'-0"
SEE DETAIL 1 FOR ADDITIONAL INFORMATION.



SECTION A-A



SECTION B-B

Record Drawing
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Dated APR. 27, 19 82

SOUND WALLS EXTEND WALL TO BOTTOM OF ROOF SLAB

Record Drawing
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Dated APR. 27, 19 82



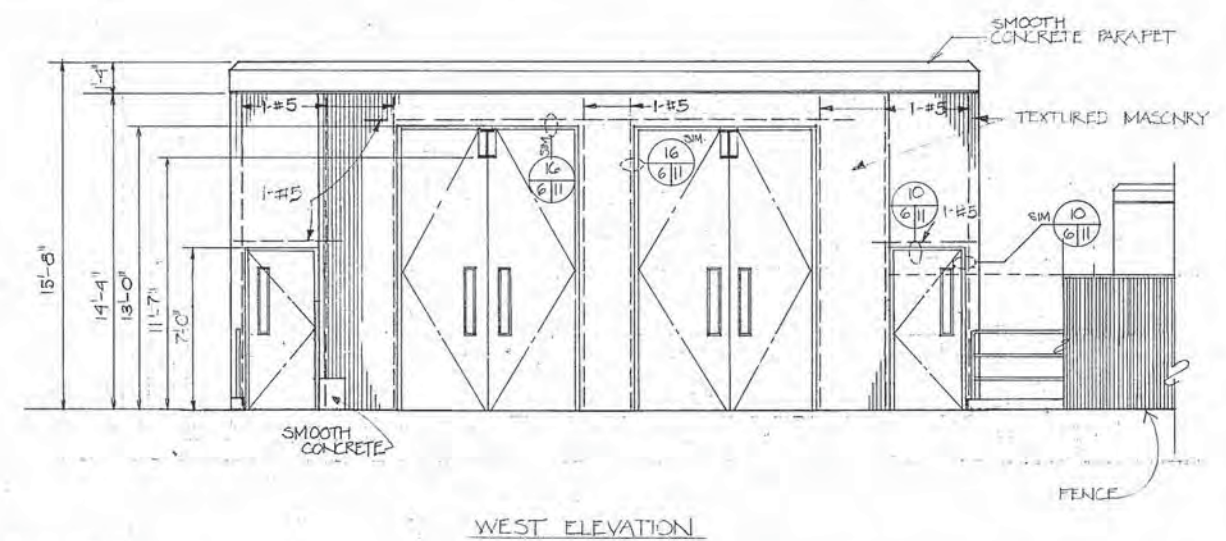
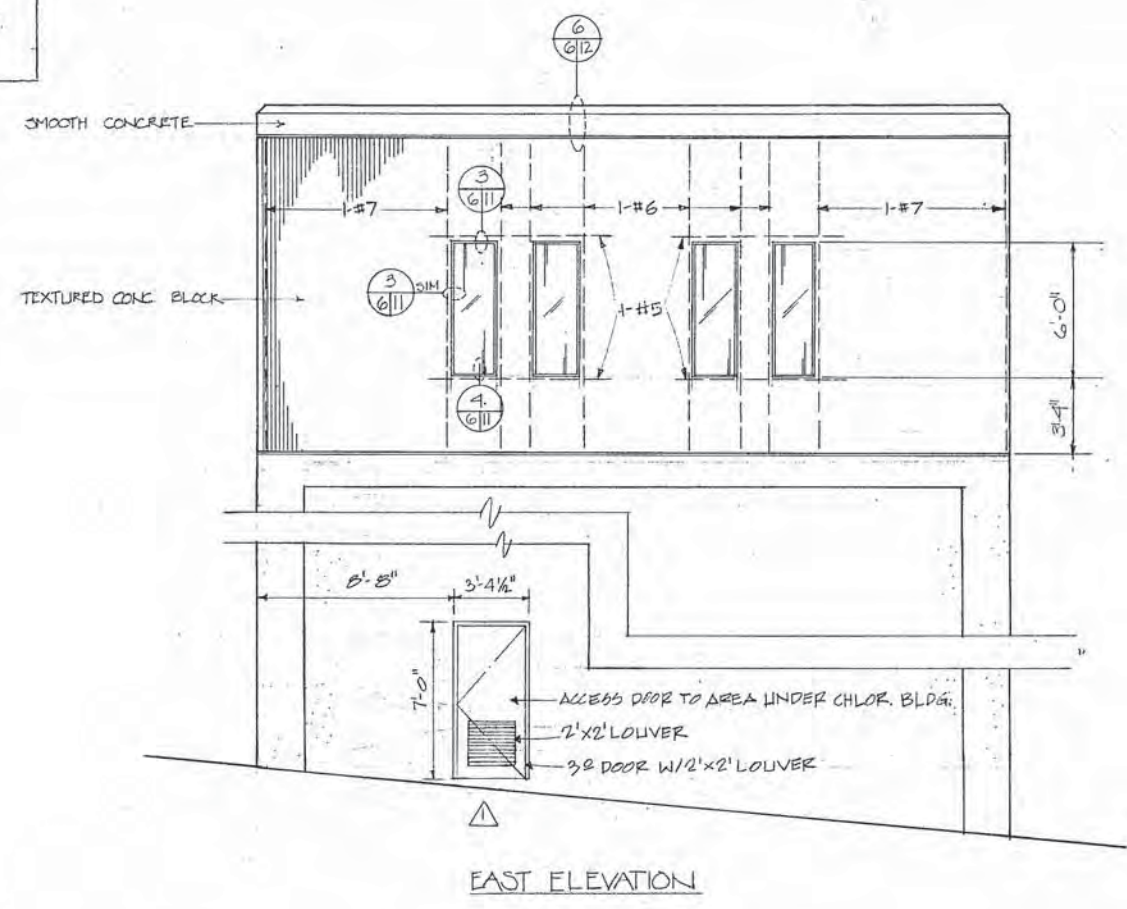
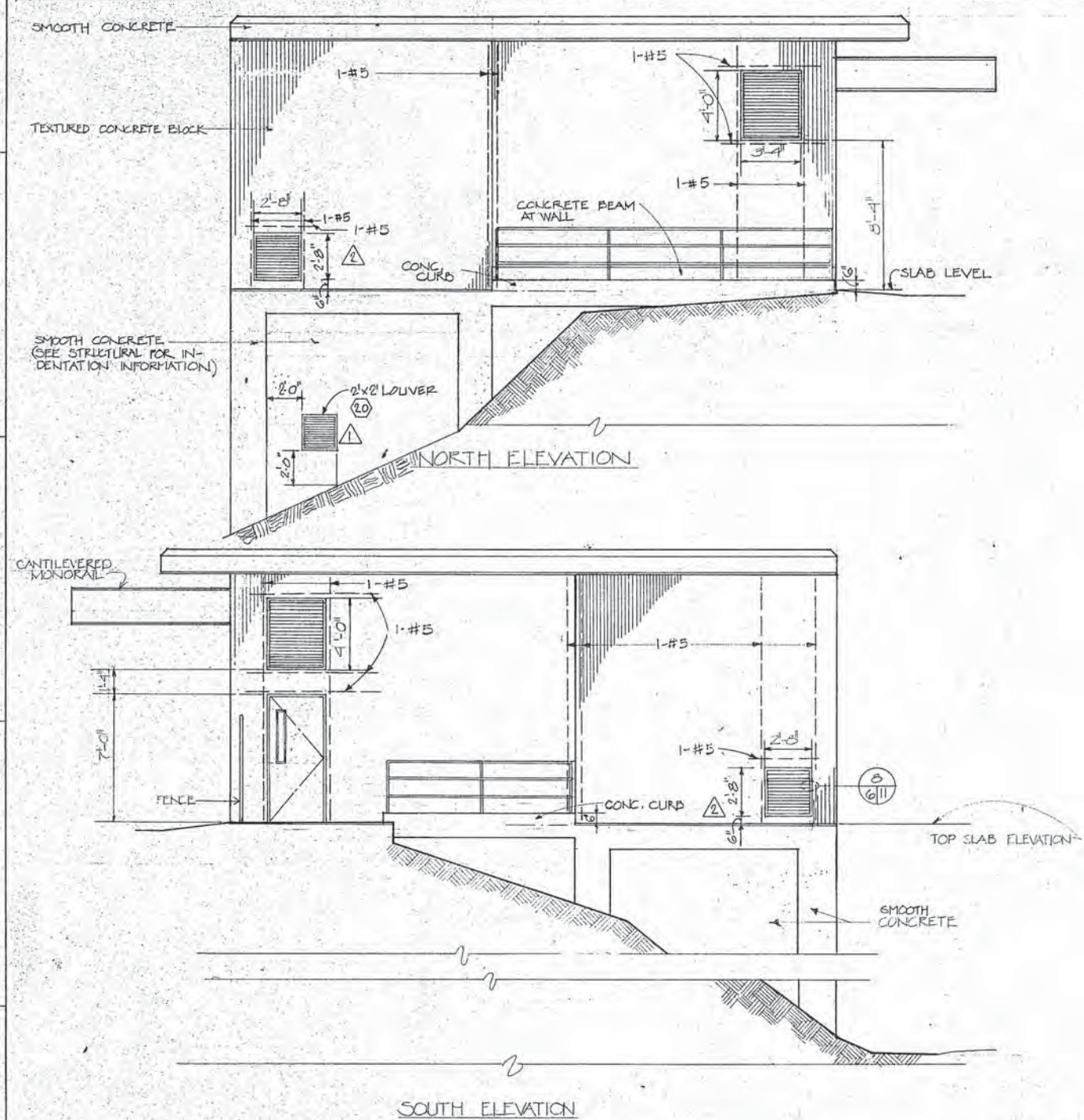
Reference Information and Notes:				
Revised	Description	Submit	Appr'd	Date
Refer to Tracing for Latest Revision				

Designed JWL	Wastewater Plant Improvements C-06-2464	
Drawn JAC	Sausalito - Marin City Sanitary District	
Checked JVC	Kennedy/Jenks Engineers	San Francisco
Submitted: Date 1/29/81	Walter J. Harman C9370	Robert J. Quinn

CONTROL BUILDING
SECTIONS

Scale
1/4" = 1'-0"
Job No.
0112
Sheet
A-4
of

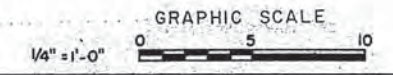
- NOTES:
1. TYPICAL VERT REINF SHALL BE #4 @ 16" LAPPED 1'-9" WITH #4 DOWELS PROJECTING FROM FTG. BELOW
 2. TYPICAL VERT REINF SHALL END IN A STANDARD HOOK IN TOP OF ROOF SLAB
 3. TYPICAL HORIZ REINF SHALL BE 1-#5 CONTINUOUS IN BOND BM UNITS @ TOP & BOTTOM OF WALL (EXCEPT AT DOORWAY) AND 1-#5 IN BOND BM UNITS SPACED NOT MORE THAN 4'-0" ALONG HEIGHT OF WALL. LAP SPACES 2'-2"
 4. ALL ADDITIONAL REINF IS SHOWN ON ELEVATIONS
 5. ALL ADDIT. REINF SHALL EXTEND AT LEAST 2'-0" PAST OPNG. IF SUCH EXTENSION IS NOT POSSIBLE, BARS SHALL TERMINATE IN STD. HOOKS IN TOP OF ROOF SLAB.
 6. ALL ADDITIONAL REINF SHALL BE SPICED WITH DOWELS OF SAME SIZE PROJECTING FROM FTG. BELOW; LAP #5 BARS 3'-10", LAP #6 BARS 4'-6", LAP #7 BARS 5'-3"



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 Dated APR 29, 1988

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 Dated APR 29, 1988

RECORD DRAWING



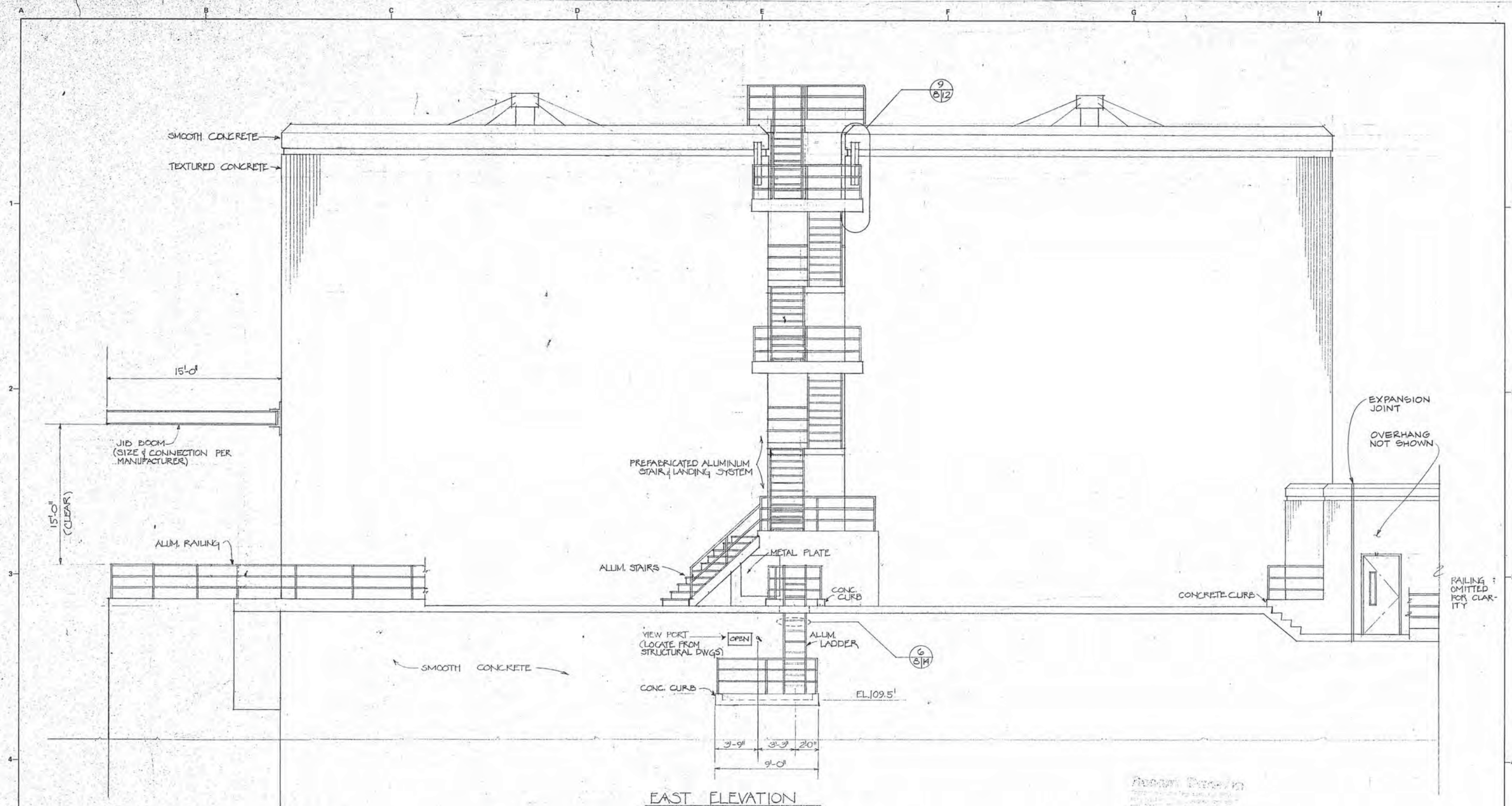
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2	FIELD CHANGE			
1	C.O. NO. 9			

Reference Information and Notes:

Designed JWC	Submitted Kennedy/Jenks Engineers	San Francisco
Drawn JAC	Submitted Walter J. Hansen	C9372
Checked JWC	Approved Robert J. Hansen	
Date 1/29/81		

CHLORINE STORAGE BUILDING
 ELEVATIONS

Scale
 1/4" = 1'-0"
 Job No.
 0112
 Sheet
A-6
 of



Revised	Description	Submit	Appr'd	Date
	Refer to Tracing for Latest Revision			

Reference Information and Notes:

Record Drawing

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Dated APR. 29, 1988

Designed JWC	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn JAC	Kennedy/Jenks Engineers	San Francisco
Checked JVC	Submitted:	Approved: <i>Robert J. Owen</i>
Date 1/29/81	<i>Walter E. Schuman</i>	C9370



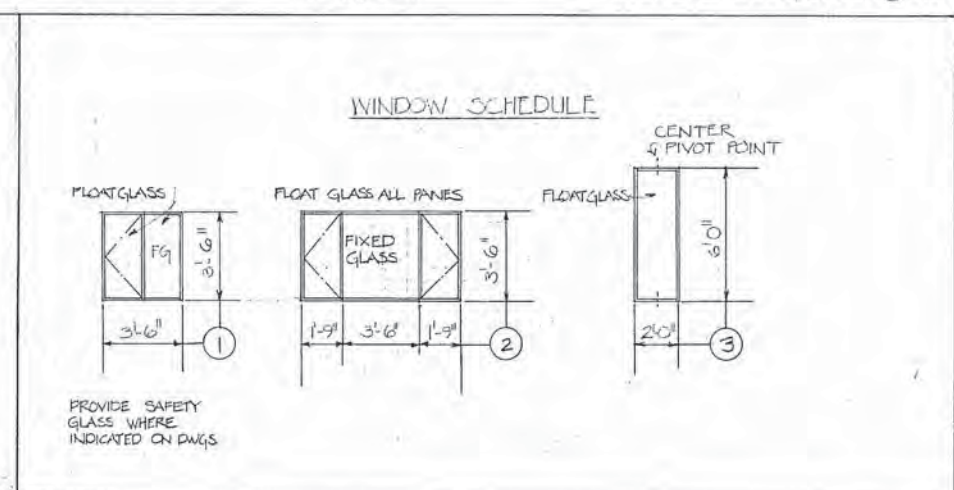
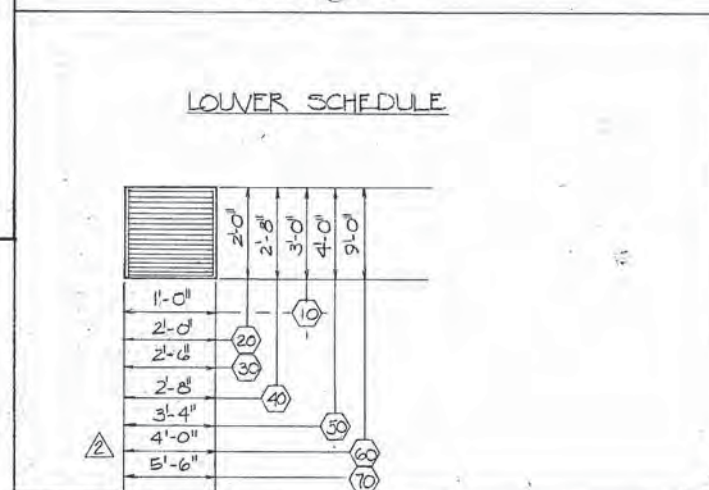
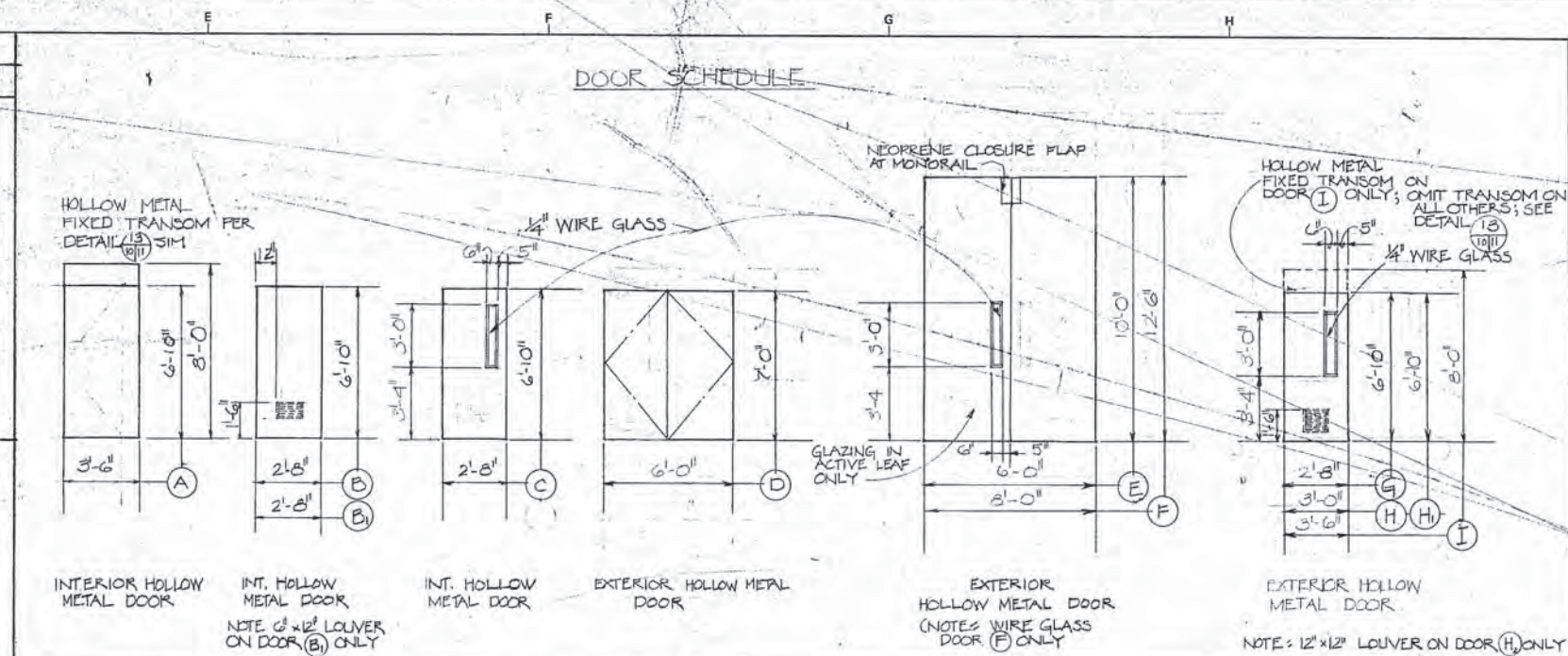
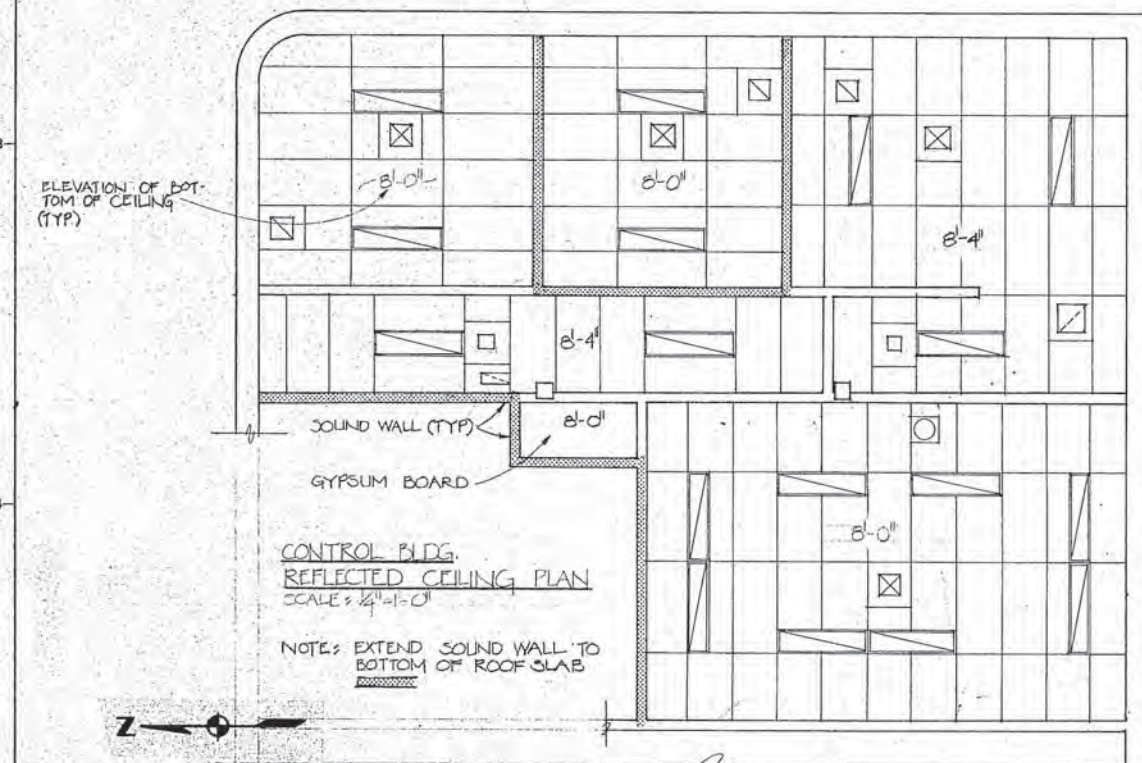
SECONDARY STRUCTURE
EAST ELEVATION

Scale
1/4" = 1'-0"

Job No.
0112

Sheet
A-8

FINISH SCHEDULE - ALL BUILDINGS					
ROOM NAME	FLOORS	WALLS	CEILING	BASE	REMARKS
INTERIOR FINISHES (A) LAYTEX (B) ENAMEL (2) VINYL WALLCOVERING (3) (OMIT) (4) FACTORY FINISH (5) COLOR HARDENER SEE SPECIFICATION FOR ADDITIONAL INFORMATION					
CONTROL BLDG.	CONCRETE	RESILIENT FLOOR CERAMIC TILE	EPOXY PAINTED SURFACE	GYPSUM BOARD	WATER RESISTANT GYPSUM BD
OFFICE	(4)	(2)	(4)	(4)	
LUNCH ROOM	(4)	(2)	(4)	(4)	
CONTROL ROOM	(4)	(2)	(4)	(4)	
CORRIDOR	(4)	(2)	(4)	(4)	
TOILET	(4)	(2)	(4)	(4)	
LOCKERS	(4)	(2)	(4)	(4)	
LABORATORY	(4)	(2)	(4)	(4)	
UTILITIES	(4)	(2)	(4)	(4)	
CHLOR/SULF. ROOM	(4)	(2)	(4)	(4)	
ANALYZER	(4)	(2)	(4)	(4)	
JANITOR'S CLOSET	(4)	(2)	(4)	(4)	
EQUIPMENT STORAGE BLDG.	(5)	(2)	(4)	(4)	
GENERATOR BLDG.	(5)	(2)	(4)	(4)	
CHLORINE & SO ₂ STORAGE BLDGS	(5)	(2)	(4)	(4)	



REFLECTED CEILING PLAN LEGEND	
	FUME HOOD DUCT
	1 x 4 SURFACE MOUNTED FLUORESCENT FIXTURE
	CEILING GRILLE - SUPPLY AIR
	CEILING GRILLE - RETURN AIR
	CEILING GRILL
	DUCT TO EXHAUST
	CEILING TRANSFER VENT

EXTERIOR FINISH SCHEDULE		
SURFACE MATERIAL	SUBSTRATE FINISH/PREPARATION SEE SPEC. SECTION REFERENCED	PAINTED FINISH SEE SPEC. SECTION REFERENCED
SMOOTH CONCRETE	CLASS 2 SEE 0330-3.10F	ACRYLIC LATEX SEE 09900-2.01B 2a
TEXTURED CONCRETE	CLASS 1 SEE 03300-3.10E	DO
EXISTING CONCRETE	REMOVE ALL EXISTING PAINT & SANDBLAST W/ FINE SAND	DO
TEXTURED MASONRY	CLEAN SURFACE & REMOVE LOOSE MAT'L BY HIGH-PRESSURE WATER BLASTING OR SAND-BLASTING W/ FINE SAND	WATER-PROOF COATING FOR CONCRETE BLOCK SEE 09900-2.01B 2a
EXTERIOR METAL	PRE-TREATED GALVANIZED METAL WITH PHOSPHORIC METAL ETCH GALVA-PRIME; GALVA-PREP OR EQUAL	HEAVY DUTY ENAMEL SEE SPEC SECTION 09900-2.01, 4, 51
INSULATED METAL PANEL	PORCELAIN ENAMELED PANELS	PRE-FINISHED- SEE SPEC SECTION 08100-2.01E

Record Drawing

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Dated APR 21, 1988

Reference Information and Notes:

Record Drawing

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Dated APR 21, 1988

GRAPHIC SCALE

1/4" = 1'-0"

0 5 10

Designed: JVC

Drawn: JAC

Checked: JVC

Date: 1/29/81

Kennedy/Jenks Engineers

Submitted: Walter J. Chapman C9370

San Francisco

Approved: Robert J. O'Connell

Record Drawing

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Dated APR 21, 1988

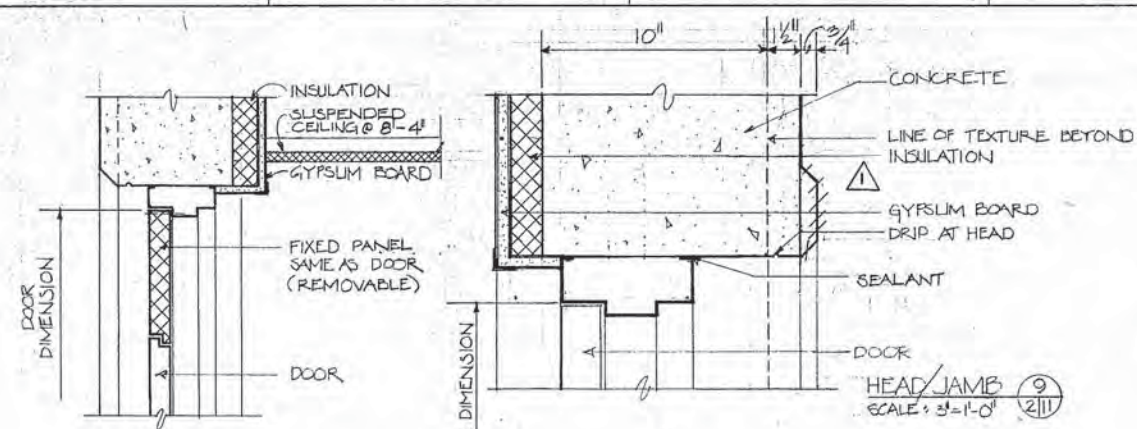
RECORD DRAWING

SCHEDULES

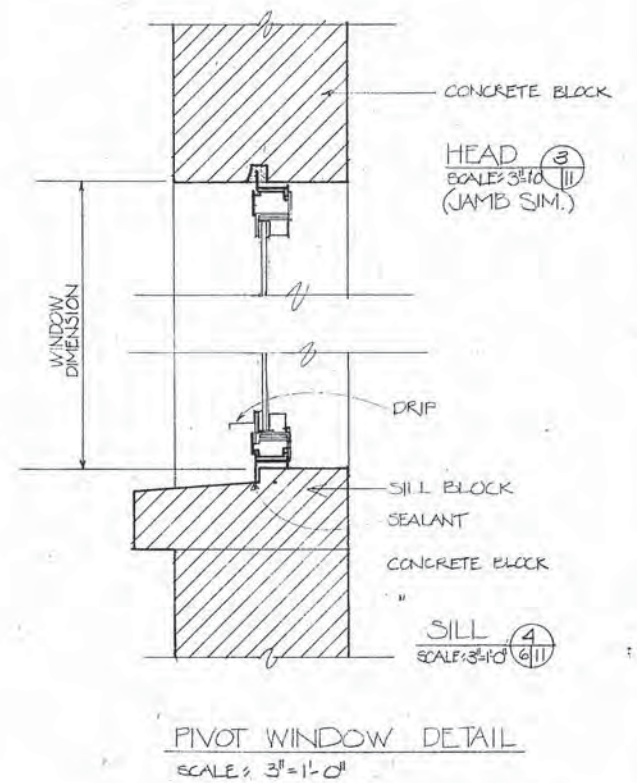
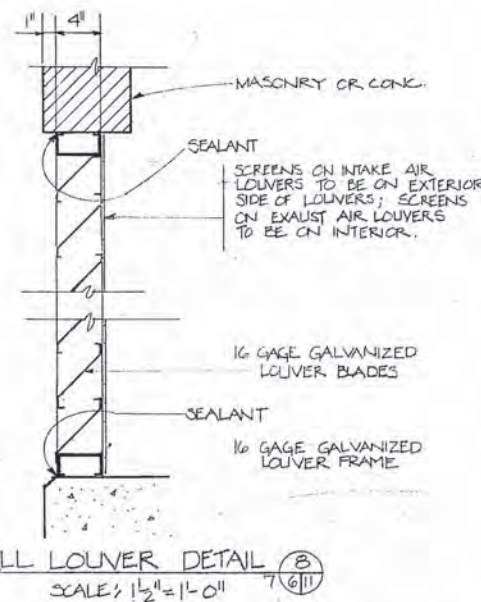
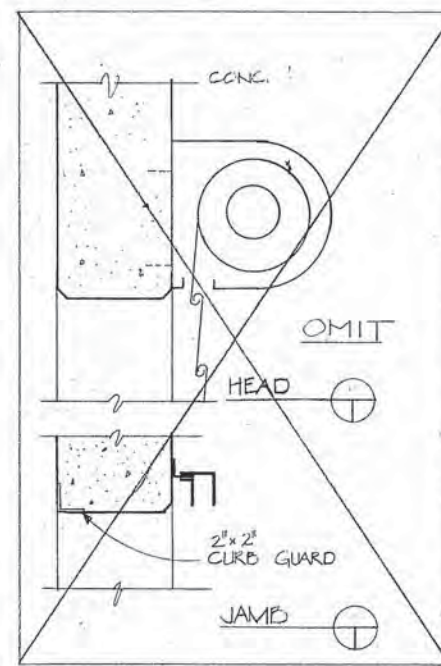
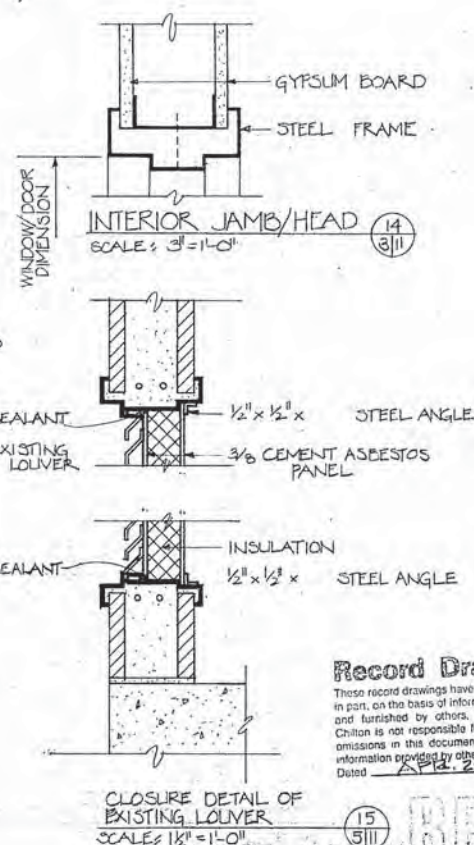
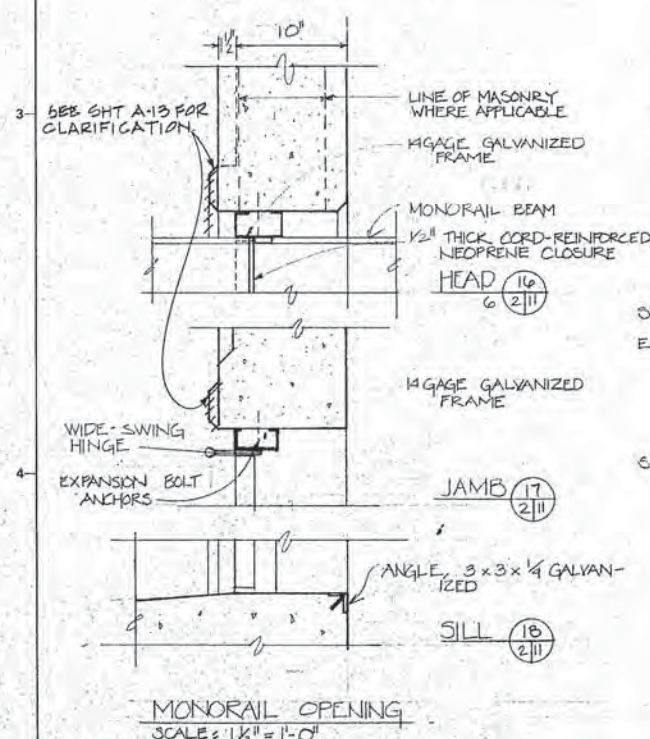
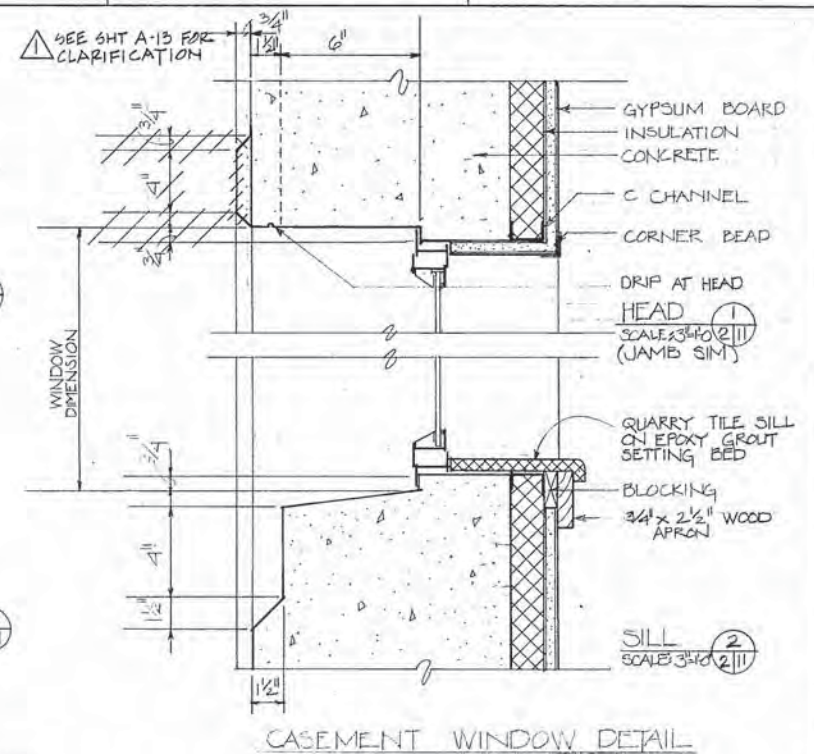
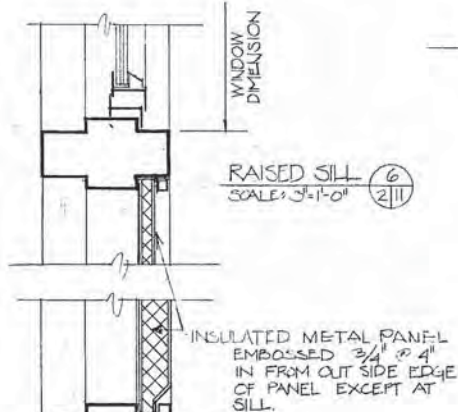
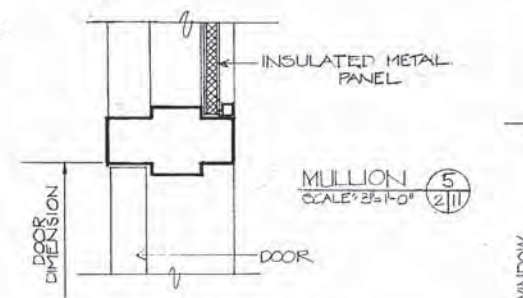
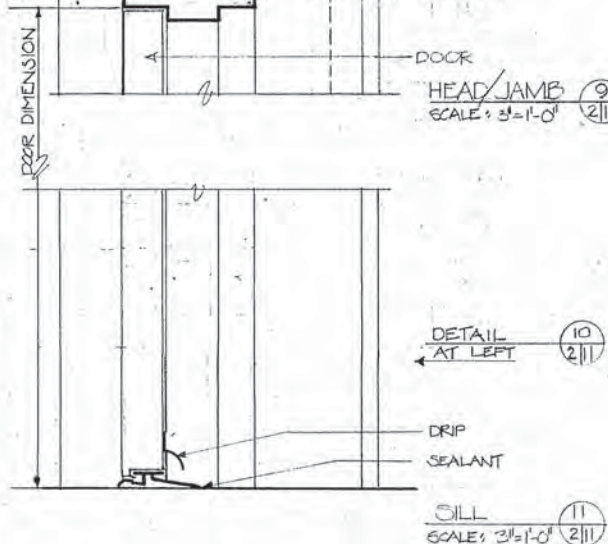
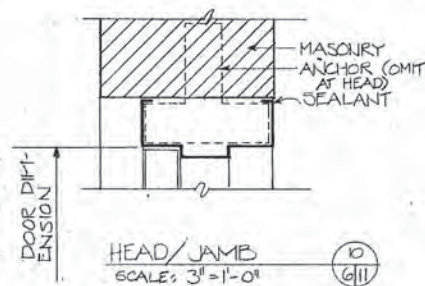
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Job No.: 0112

Sheet: A-10

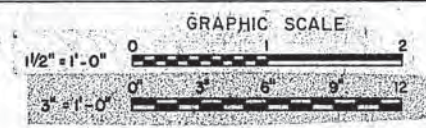


FIXED TRANSOM (13)
SCALE: 1 1/2" = 1'-0" (2/11)



Record Drawing
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Date: April 29, 1988

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Date: April 29, 1988



Revised	Description	Submit	App'd	Date

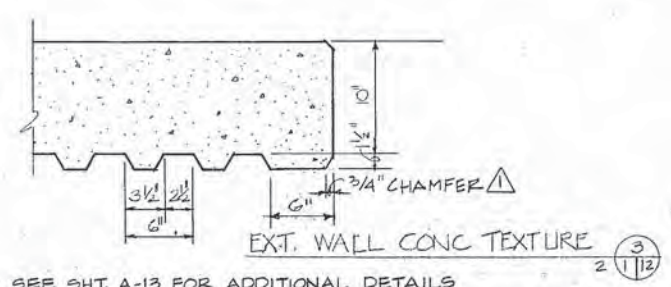
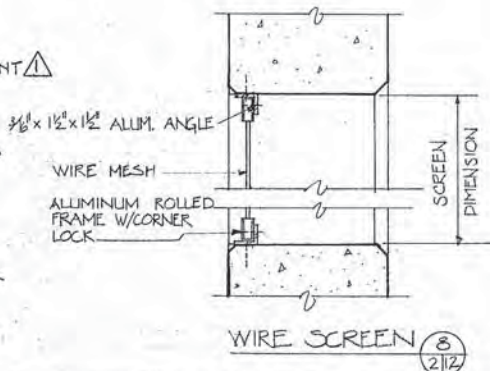
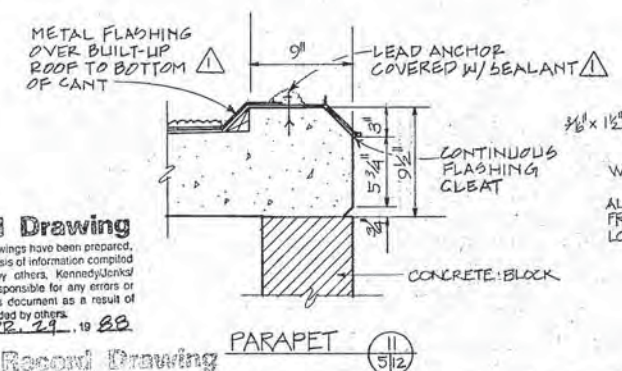
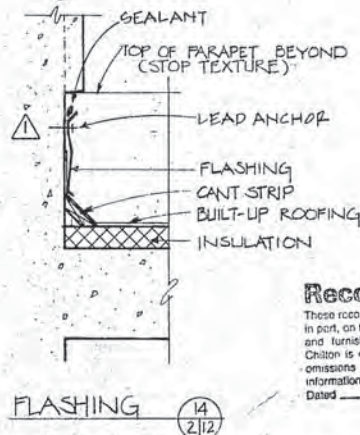
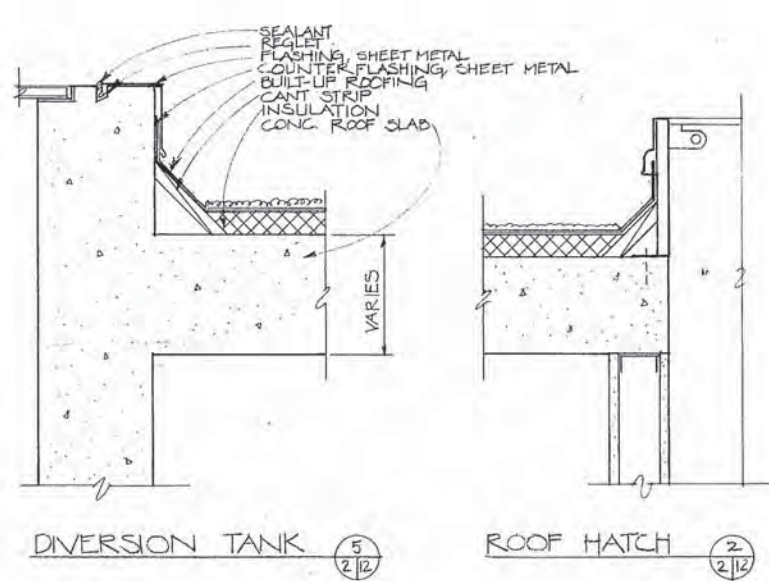
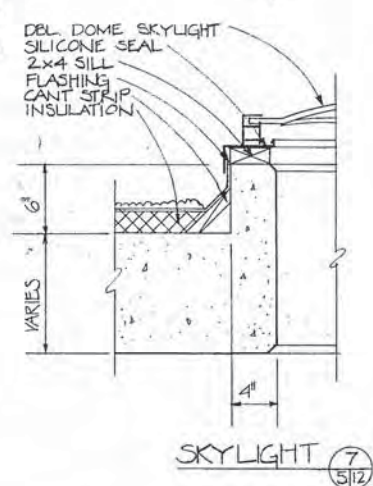
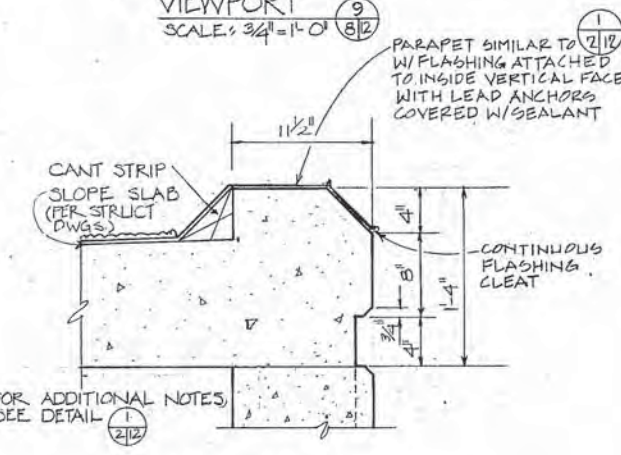
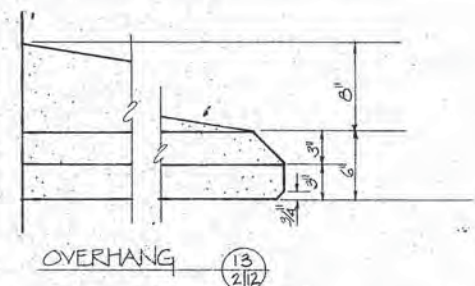
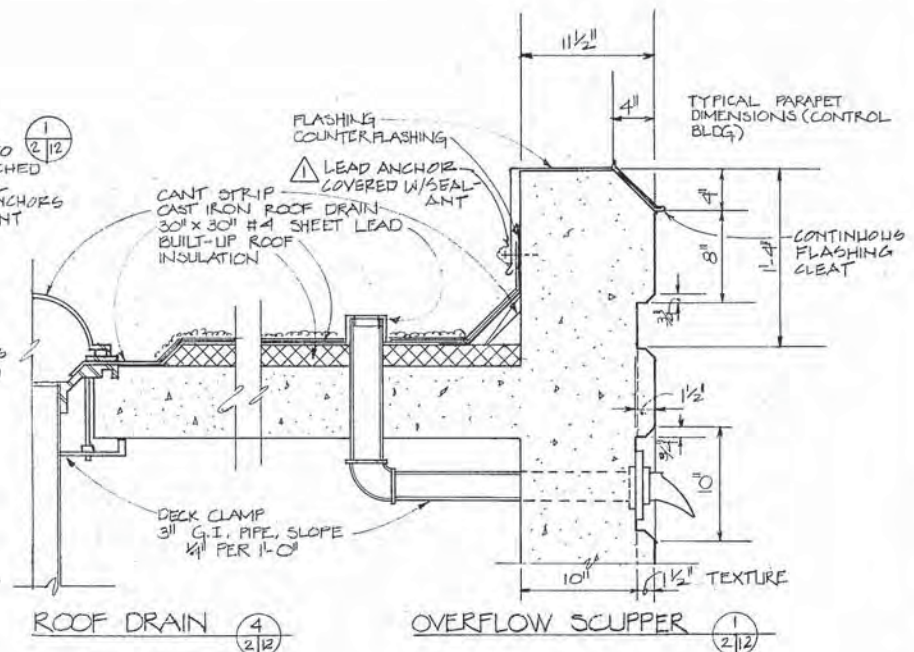
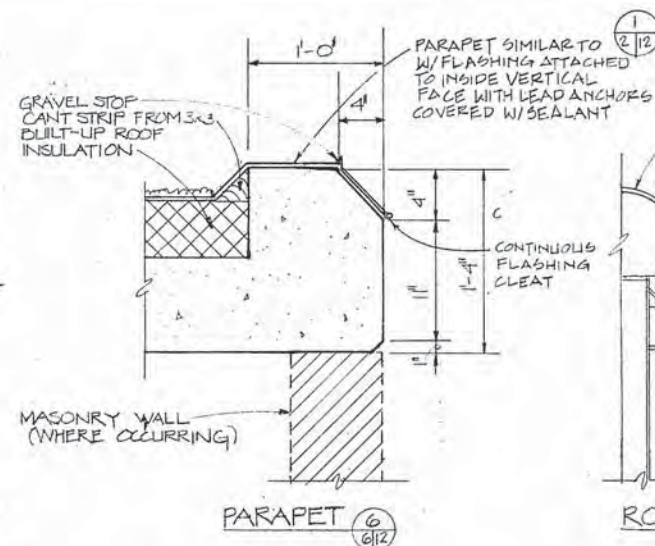
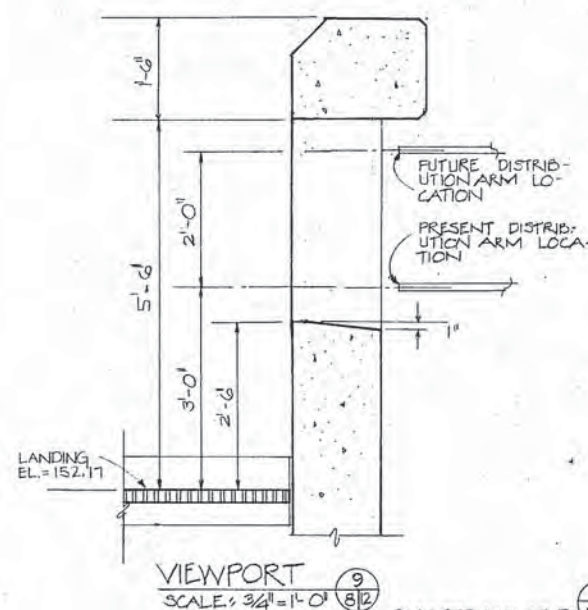
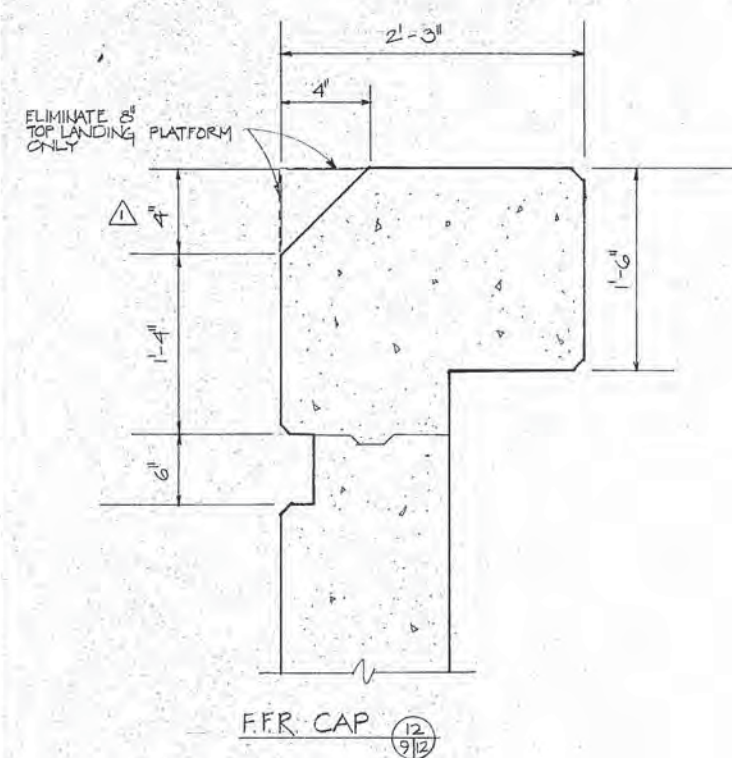
Refer to Tracing for Latest Revision

Reference Information and Notes:

Designed JWC	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn JAC	Kennedy/Jenks Engineers	San Francisco
Checked JVC	Submitted:	Approved:
Date 1-29-81	Walter J. Hammer	C9370

DETAILS

Scale
AS SHOWN
Job No.
0112
Sheet
A-11
of



Record Drawing
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Date: APR. 24, 1988

Record Drawing

Reference Information and Notes:

GRAPHIC SCALE



NOTE: SEE SHT. A-13 FOR ADDITIONAL DETAILS

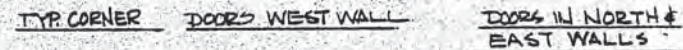
Revised	Description	Submit	App'd	Date
1	FIELD CHANGE			
Refer to Tracing for Latest Revision				

RECORD DRAWING

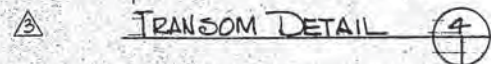
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Drawn JAC	Sausalito - Marin City Sanitary District
Checked JWC	Kennedy/Jenks Engineers
Date 1-29-81	Submitted: <i>Walter J. Hanna</i> C9370
	Approved: <i>[Signature]</i> San Francisco

DETAILS

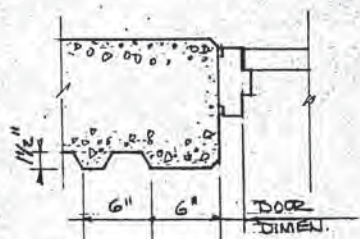
Scale AS SHOWN
Job No. 0112
Sheet A-12



EXTERIOR ELEVATIONS $\frac{1}{4}" = 1'-0"$

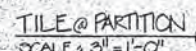
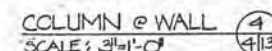
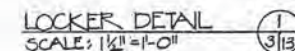
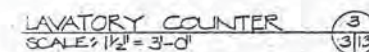


ROOF DRAIN DETAIL



TYPICAL DOOR JAMBS (3)

TYPICAL CONCRETE TEXTURE DETAILS 1 1/2" = 1'-0"



△ SEE NOTE

Ceramic tile lavatory counter and splash shall be installed on a mortar bed backed by 3/4-inch waterproof plywood in accordance with TCA-C611.

Revised	Description	Submit	App'd	Date
	Refer to Tracing for Latest Revision			

Reference Information and Notes:

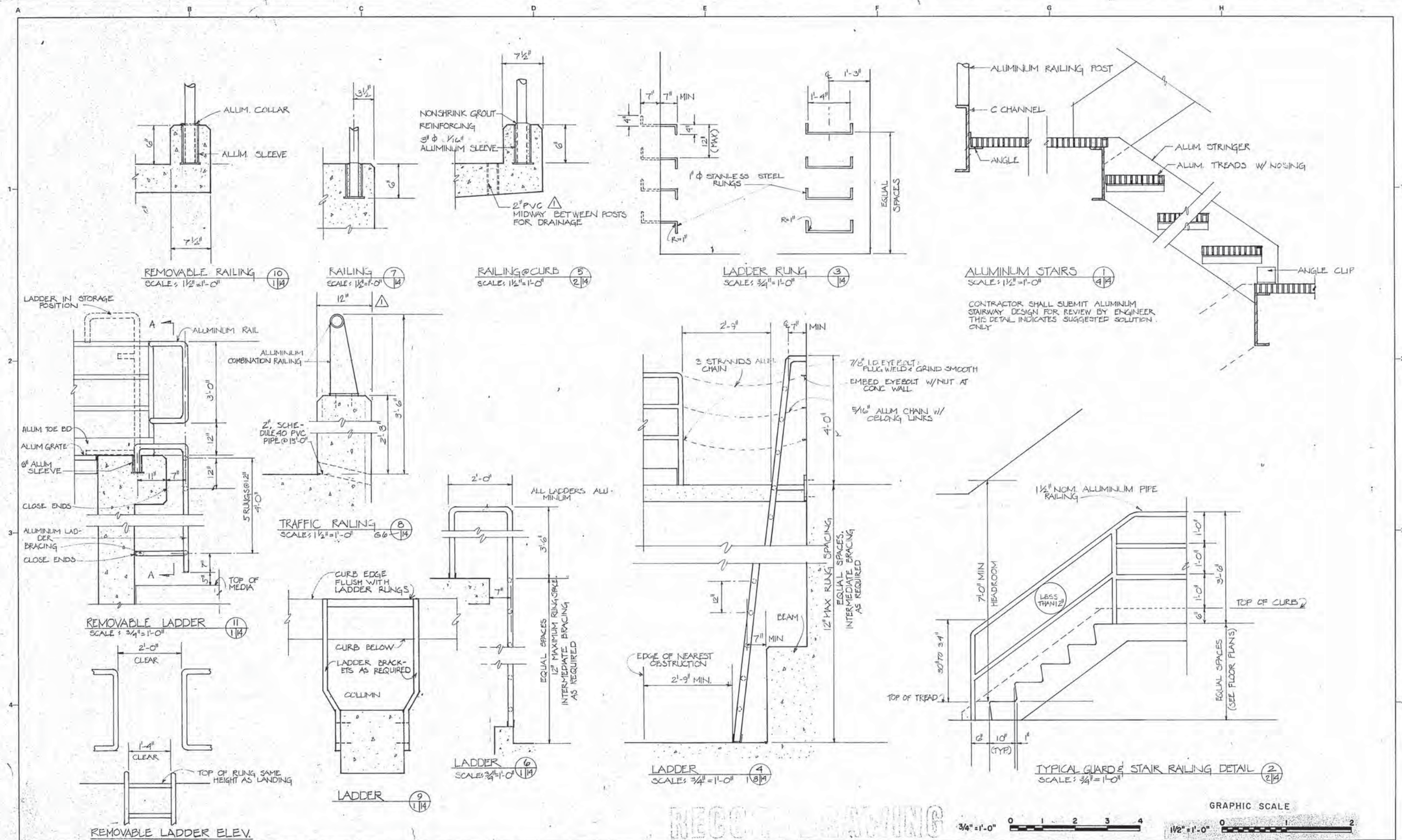
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Dated APR 29, 19 82 at Ohio

Robert J. Conway

DETAILS

Scale	AS SHOWN
Job No.	0112
Sheet	A-13



Revised	Description	Submit	App'd	Date
	FIELD CHANGE			
Refer to Tracing for Latest Revision				

Reference Information and Notes:

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Record Drawing

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Designed
JWC
Drawn
JAC
Checked
JWC
Date
1-29-81

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District

Kennedy/Jenks Engineers

San Francisco

Submitted: Walter Thomas C9370

Approved: Robert J. Thomas

LADDERS, STAIRS & RAILING

Scale
AS NOTED
Job No.
0112
Sheet
A-14
of

GENERAL STRUCTURAL NOTES

ALL NOTES AND TYPICAL STRUCTURAL DETAILS SHOWN ON THIS SHEET APPLY EXCEPT WHERE OTHERWISE SHOWN OR NOTED ON CONTRACT DOCUMENTS.

DESIGN AND CONSTRUCTION SHALL CONFORM TO THE LATEST "UNIFORM BUILDING CODE."

ALL DRAWINGS FOR THIS CONTRACT SHALL BE COORDINATED WITH FAVORABLY REVIEWED EQUIPMENT MANUFACTURER'S DRAWINGS.

DIMENSIONS NOTED THUS TO BE DETERMINED BY EQUIPMENT MANUFACTURER.

ALL DIMENSIONS OF EXISTING STRUCTURE SHALL BE VERIFIED IN FIELD.

CONCRETE

ALL CONCRETE SHALL DEVELOP A MINIMUM COMPRESSIVE STRENGTH OF 3000 P.S.I. AT THE AGE OF 28 DAYS.

ALL REINFORCING BARS SHALL BE ASTM A615-GRADE 60.

ARRANGEMENT AND DETAILS OF REINFORCING STEEL, INCLUDING BAR SUPPORTS AND SPACERS, SHALL BE IN ACCORDANCE WITH THE LATEST ACT 315 DETAILING MANUAL.

ALL SLAB AND BEAM REINFORCING SHALL HAVE A MINIMUM EXTENSION INTO THE SUPPORT IN ACCORDANCE WITH THE LATEST BUILDING CODE. IF SUCH EXTENSION IS NOT POSSIBLE, BARS SHALL TERMINATE IN STANDARD HOOKS.

ALL REINFORCING SHALL LAP A MINIMUM OF 1.7 l_d AT SPLICES UNLESS OTHERWISE SHOWN.

WHEREVER IT IS NECESSARY TO SPLICE REINFORCEMENT OTHERWISE THAN AS SHOWN ON THE CONTRACT DRAWINGS, THE CHARACTER OF THE SPLICE SHALL BE AS SPECIFIED BY THE ENGINEER. SPLICING SHALL NOT BE MADE AT POINTS OF MAXIMUM STRESS. BAR SPLICES SHALL BE STAGGERED.

HOOK BARS AT OPENINGS.

HORIZONTAL AND VERTICAL CONSTRUCTION JOINTS SHOWN ON THE CONTRACT DRAWINGS ARE RECOMMENDED. LOCATION OF ALL CONSTRUCTION JOINTS SHALL BE SUBMITTED TO THE ENGINEER FOR FAVORABLE REVIEW PRIOR TO START OF WORK ON FORMS, REINFORCING STEEL OR CONCRETE PLACEMENT. ANY ADDITIONAL JOINTS OR DEVIATION FROM THOSE SHOWN SHALL HAVE A STANDARD KEYWAY AND SHALL BE FAVORABLY REVIEWED BY THE ENGINEER. REFER TO SPECIFICATIONS AND TYPICAL DETAIL FOR ADDITIONAL INFORMATION. REINFORCING SHALL EXTEND THROUGH THESE JOINTS IF REQUIRED FOR CONTINUITY.

ALL EXPOSED EDGES AND CORNERS OF CONCRETE SHALL BE CHAMFERED 3/4-INCHES UNLESS OTHERWISE NOTED.

REFER TO PERTINENT CONTRACT DRAWINGS, EQUIPMENT MANUFACTURER'S DRAWINGS AND SPECIFICATIONS FOR ALL SLEEVES, PIPES, CONDUITS AND MISCELLANEOUS ANCHORING DEVICES TO BE INCORPORATED IN THE CONSTRUCTION.

UNLESS OTHERWISE SHOWN, THE MINIMUM COVER FOR REINFORCING STEEL SHALL BE AS FOLLOWS:

SLABS:

BOTTOM AND SIDE CAST AGAINST FILL OR SOIL.....3"
FOAMED SIDE AND TOP EXPOSED TO FILL OR SOIL.....2-1/2"
TOP AND BOTTOM EXPOSED TO INTERIOR DARK ATMOSPHERE.....2"
TOP AND BOTTOM ALL OTHER EXPOSURES.....2"
12 INCHES OR OVER IN THICKNESS.....2"
LESS THAN 12 INCHES THICK.....1"

WALLS:

12 INCHES OR OVER IN THICKNESS.....2-1/2"
LESS THAN 12 INCHES THICK.....1-1/2"

BEAMS:

TOP, BOTTOM OR SIDE OF LONGITUDINAL REINFORCEMENT.....2-1/2"
TOP, BOTTOM OR SIDE OF STIRRUPS OR TIES.....2"

COLUMNS:

SPIRAL.....2"
TIES.....1-1/2"

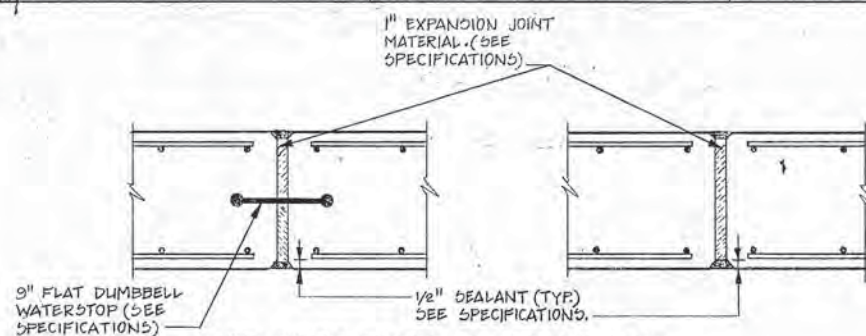
STRUCTURAL STEEL

FIELD CONNECTIONS SHALL BE FASTENED WITH 3/4-INCH DIAMETER ASTM A325 FRICTION TYPE BOLTS UNLESS NOTED OTHERWISE. ALL WELDED CONNECTIONS SHALL BE MADE WITH AWS A5.1 OR A5.5 E 70 XX ELECTRODES.

ALL WELDING SHALL CONFORM TO THE LATEST "CODE FOR WELDING IN BUILDING CONSTRUCTION" OF THE AMERICAN WELDING SOCIETY.

BEAM CONNECTIONS NOT DETAILED ON THE CONTRACT DRAWINGS SHALL BE SELECTED TO SUPPORT ONE-HALF THE TOTAL UNIFORM LOAD CAPACITY OF THE BEAM AS TABULATED IN "ALLOWABLE LOADS ON BEAMS" IN THE "MANUAL OF STEEL CONSTRUCTION" OF THE AISC.

EXPECTED SAN FRANCISCO BAY MAXIMUM
TIDE EL. 106.0

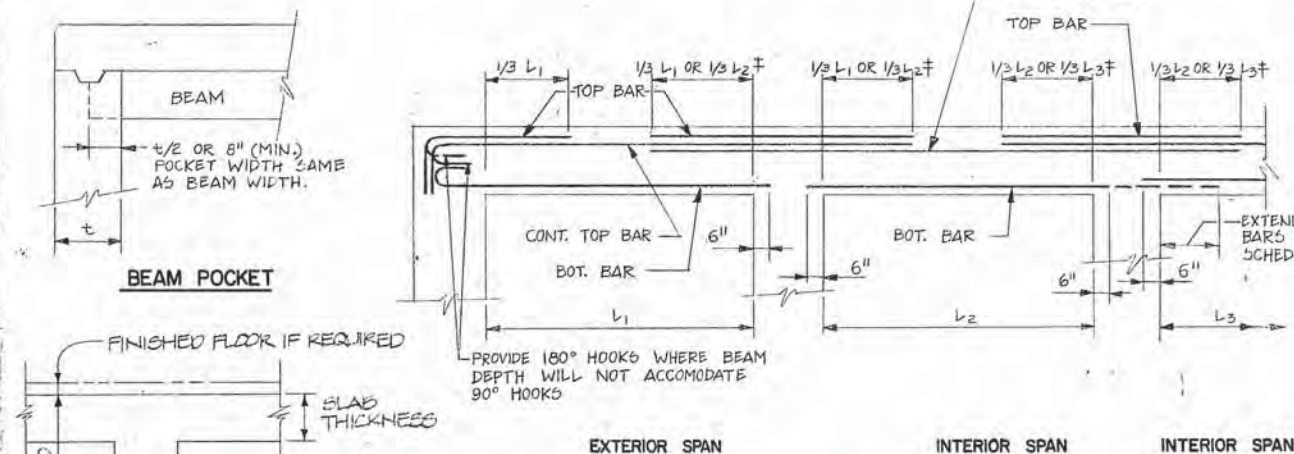


NOTE: CHAMFER EXPANSION JOINTS IN WALLS AND CEILINGS. FOR FLOOR JOINTS USE EDGE INSTEAD OF CHAMFERING. STOP REINFORCING STEEL 2" FROM EACH SIDE OF JOINT.

TYPE E1

TYPE E2

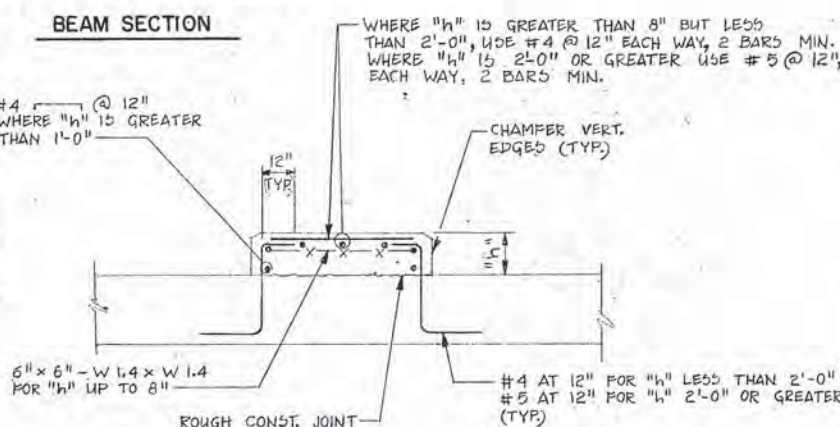
EXPANSION JOINTS



NOTE: $\pm$ WHICHEVER IS GREATER

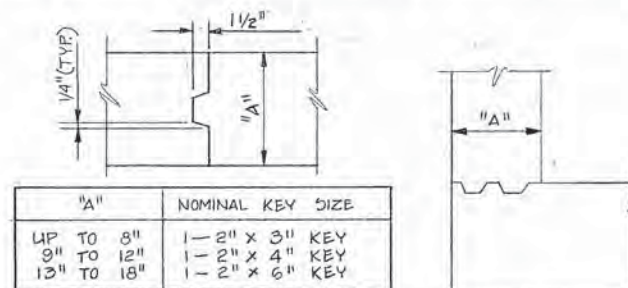
FLOOR BEAM REINFORCEMENT

BEAM SECTION



NOTE: FOR SIZE AND LOCATION OF EQUIPMENT PADS SEE MECH., VENT., AND ELECT. DWGS.

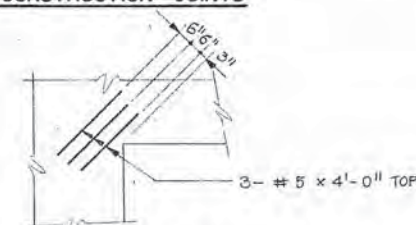
EQUIPMENT PAD



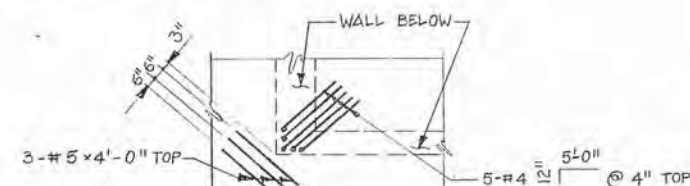
NOTE: NUMBER AND SIZE OF KEYS SHOWN APPLY TO BOTH VERTICAL AND HORIZONTAL JOINTS IN WALLS, EXCEPT AS OTHERWISE NOTED ON DRAWINGS.

LONGITUDINAL KEYS

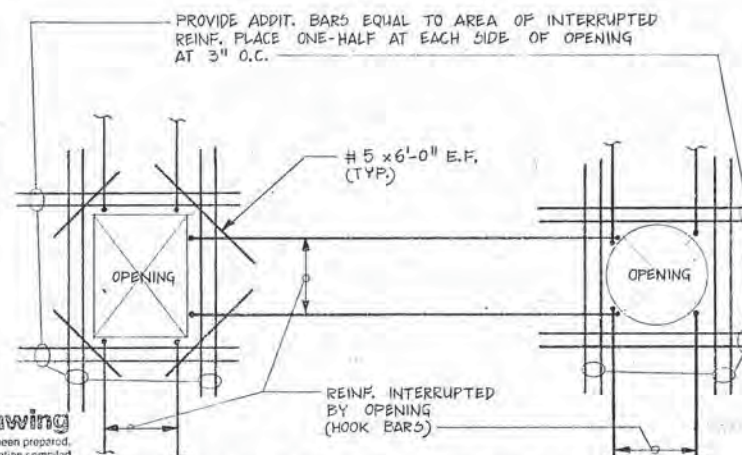
CONSTRUCTION JOINTS



SLAB DETAIL AT RE-ENTRANT CORNER



ADDITIONAL REINFORCING AT SLAB CORNERS



Record Drawing

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Date: APR 29, 1988

NOTE: VERTICAL ADDITIONAL REINFORCING SHALL EXTEND FULL FOUR HEIGHT. HORIZONTAL ADDITIONAL REINFORCING SHALL EXTEND 5'-0" MIN. BEYOND SIDE OF OPNG. (HOOK IF 5'-0" NOT AVAILABLE.)

ADDITIONAL REINFORCING STEEL AT OPENINGS & RECESSES IN PRESSURE WALLS AND SLABS

Reference Information and Notes:

Revised	Description	Submit	App'd.	Date
	Refer to Tracing for Latest Revision			

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Date: APR 29, 1988

Designed
S.D.
Drawn
L.H.
Checked
S.D.
Submitted
Date
1-29-81

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District

Kennedy/Jenks Engineers

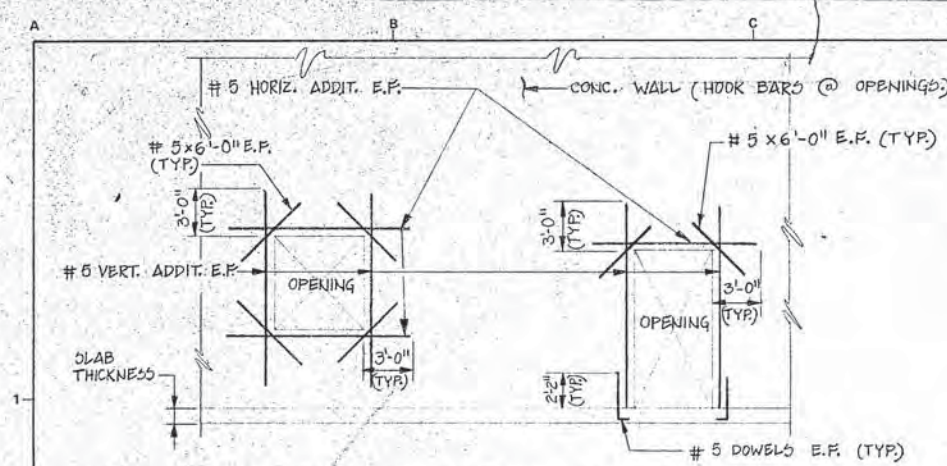
San Francisco

Submitted: Walter J. Jenks C9370

Approved: Robert J. Jenks

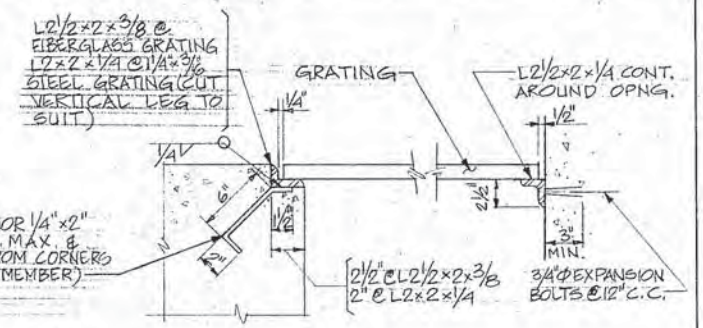
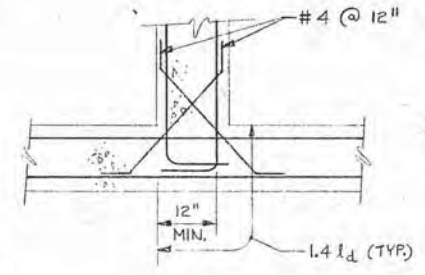
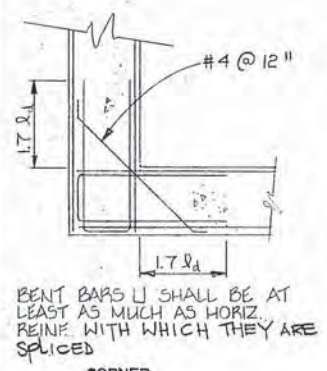
GENERAL STRUCTURAL NOTES
AND TYPICAL STRUCTURAL DETAILS

Scale
NONE
Job No.
0112
Sheet
S-1
of



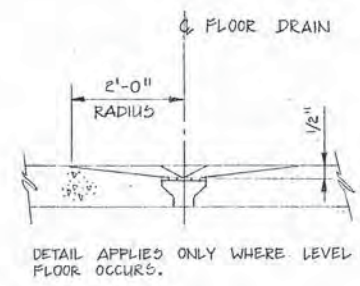
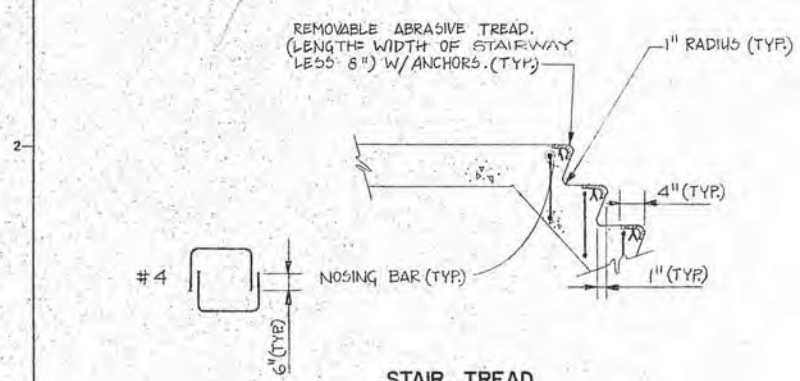
ADDITIONAL REINFORCING STEEL AT OPENINGS
IN CONTROL BUILDING

BAR SIZE	TENSION DEVELOPMENT LENGTH "l _d "
#3	12"
#4	12"
#5	15"
#6	19"
#7	26"
#8	35"
#9	44"
#10	56"
#11	68"

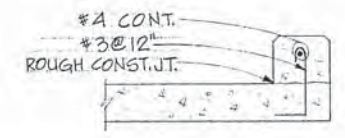
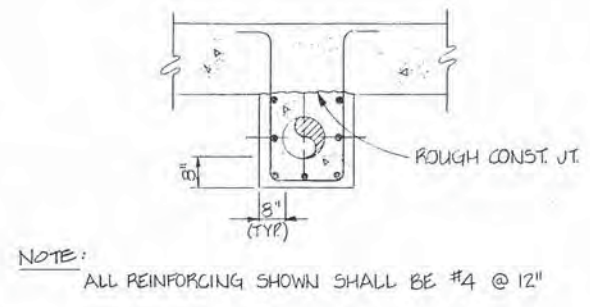


NOTES:
1. STEEL GRATING & ALL ANGLES SHALL BE HOT-DIPPED GALVANIZED AFTER FABRICATION.
2. ANGLES SHALL BE CONT. AROUND OPNG., WELDED TO FORM A COMPLETE FRAME.

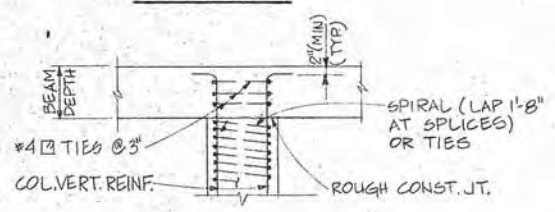
GRATING SUPPORT



PITCHED SLAB AT FLOOR DRAIN



TYPICAL CURB DETAIL



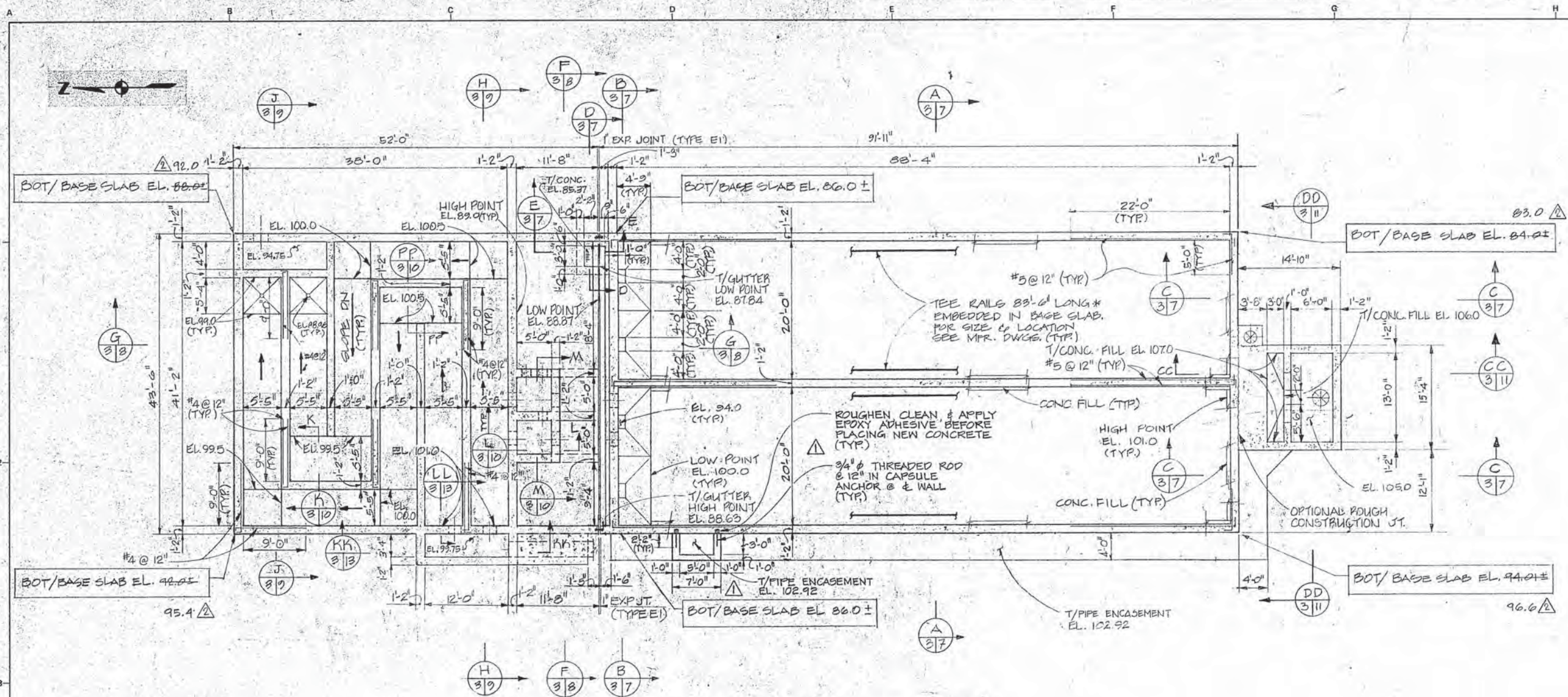
NOTE: COLUMNS SHALL HAVE DOWELS FROM FOUNDATIONS OR CONSTRUCTION BELOW OF SAME SIZE & SPACING AS COL. VERT. REINF.

COLUMN DETAIL

Record Drawing
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Dated APR 29, 1988

Reference Information and Notes:				Designed S.H.D. Drawn L.H.		Wastewater Plant Improvements C-06-2464 Sausalito - Marin City Sanitary District		Scale NONE	
				Checked S.H.D.		Kennedy/Jenks Engineers San Francisco		Job No. 0112	
				Date 1-29-81		Submitted Walter Hammer C9370		Sheet S-2	
Revised				Description		Submit.		App'd. Date	
Refer to Tracing for Latest Revision									

TYPICAL STRUCTURAL DETAILS



NOTES:

1. REINF. SHOWN ON THIS SHEET SHALL BE IN ADDITION TO REINF. SHOWN IN SECTIONS AND ON SHEET S-2.
2. PIPES ENCASED IN BASE SLAB NOT SHOWN FOR CLARITY-SEE MECH. DWGS. FOR SIZE AND LOCATION OF PIPES.
3. FOR SIZE & LOCATION OF OPENINGS SEE MECH. DWGS.
4. FOR DETAILS OF CONC. FILL SEE MFR., MECH., AND PERTINENT STRUCTURAL DWGS.
5. WALLS SHALL BE SHORED DURING TESTING UNLESS FLOORS AT EL. 115.0 & EL. 118.0 ARE IN PLACE.
6. ALL GRATING SHOWN SHALL BE GALVANIZED STEEL GRATING 1/4" x 3/16"
7. GRATING AT EL. 94.5 NOT SHOWN FOR CLARITY-SEE MECH. DWGS.
8. ACCESS PLATFORM NOT SHOWN FOR CLARITY-SEE SHEETS S-22, S-23 & S-24

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

Record Drawing
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Dated APR. 29, 19 88

GRAPHIC SCALE:
1/8" = 1'-0"
0 5 10 15 20 25

RECORD DRAWING

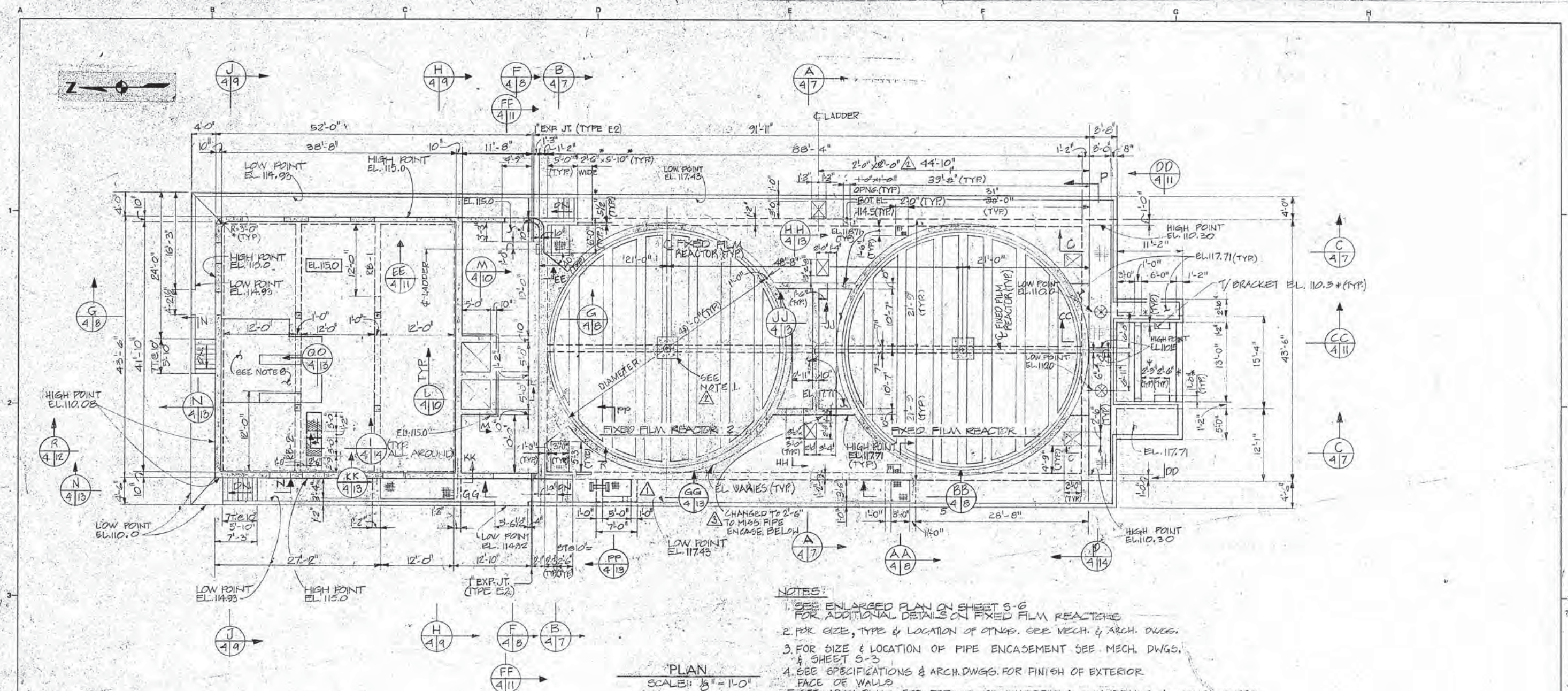
Revised	Description	Submit	App'd	Date
1	ACTUAL ELEVATIONS CO. NO. 24			
Refer to Tracing for Latest Revision				

Reference Information and Notes:

Designed S.D., BMF/SHY	
Drawn BMF/SHY	
Checked S.D.	
Date 1-29-81	
Submitted Kennedy/Jenks Engineers	San Francisco
Approved Walter J. Thomas C9370	Robert J. Quinley

SECONDARY STRUCTURE
BASE PLAN

Scale 1/8" = 1'-0"
Job No. 0112
Sheet S-3



- NOTES:
- SEE ENLARGED PLAN ON SHEET S-6 FOR ADDITIONAL DETAILS ON FIXED FILM REACTORS.
 - FOR SIZE, TYPE & LOCATION OF OTNGS. SEE MECH. & ARCH. DWGS.
 - FOR SIZE & LOCATION OF PIPE ENCASEMENT SEE MECH. DWGS. & SHEET S-3.
 - SEE SPECIFICATIONS & ARCH. DWGS. FOR FINISH OF EXTERIOR FACE OF WALLS.
 - SEE ARCH. DWGS. FOR DETAILS OF GUARDRAILS, HANDRAILS & CONC. CURBS.
 - FOR REINF. OF BEAMS AT EL. 115.0 SEE BEAM SCHEDULE ON SHEET S-14.
 - ALL GRATING SHOWN SHALL BE FIBERGLASS GRATING 1/2" DEEP.
 - FOR SIZE AND LOCATION OF PADS AND SLAB DEPRESSION AT CONTROL BUILDING SEE ARCH. DWGS.
 - METAL STAIRS NOT SHOWN FOR CLARITY - FOR DETAILS SEE ARCH. DWGS. & SPECIFICATIONS.
 - ACCESS PLATFORM NOT SHOWN FOR CLARITY - SEE SHEETS S-22, S-23, & S-24.

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

Record Drawing
These record drawings have been prepared in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Associates is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR. 29, 1988

Record Drawing
These record drawings have been prepared in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Associates is not responsible for any errors or omissions in this document as a result of information provided by others.
Date:

RECORD DRAWING

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

Revised	Description	Submit	App'd	Date
1	FIELD CHANGE			
2	CLARIFICATION			
3	CO NO. 24			

Reference Information and Notes:
1. REINFORCING FOR CENTER FFR COLUMNS SIMILAR TO PIPE ENCASEMENT DETAIL ON SHT. S-2.

Designed S.D., B.M.F., S.W.	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn A.Y.S., B.M.F., R.D.C.		
Checked S.H.D.	Kennedy/Jenks Engineers	San Francisco
Date 1-29-81	Submitted: Walter J. Jenks	Approved: [Signature]

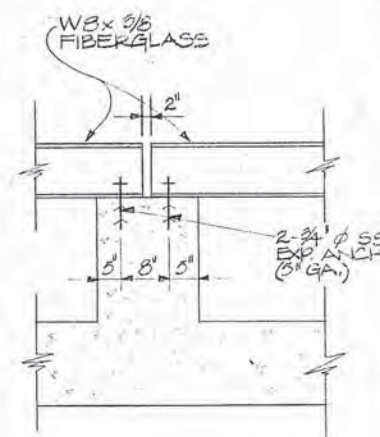
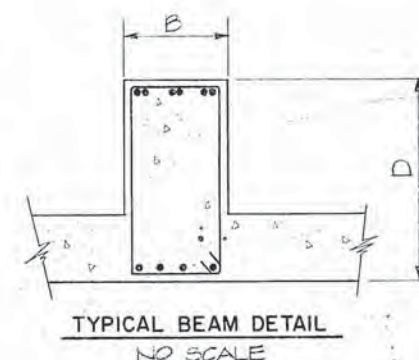
SECONDARY STRUCTURE
PLAN AT EL. 120.17

Scale
1/8" = 1'-0"
Job No.
Sheet
S-4
of

BEAM SCHEDULE

MARK	SIZE	REINFORCING	STIRRUPS	REMARKS
B	D	BOTTOM	TOP	SIZE TYPE SPACINGS
B-1	18	36	5#9	3#7 CONT. #3 12" THROUT
B-2	18	36	3#9	3#9 CONT. #3 6" THROUT
B-3	18	36	3#9	3#9 CONT. #3 6" THROUT
B-4	18	36	3#7	2#7 CONT. #3 12" THROUT

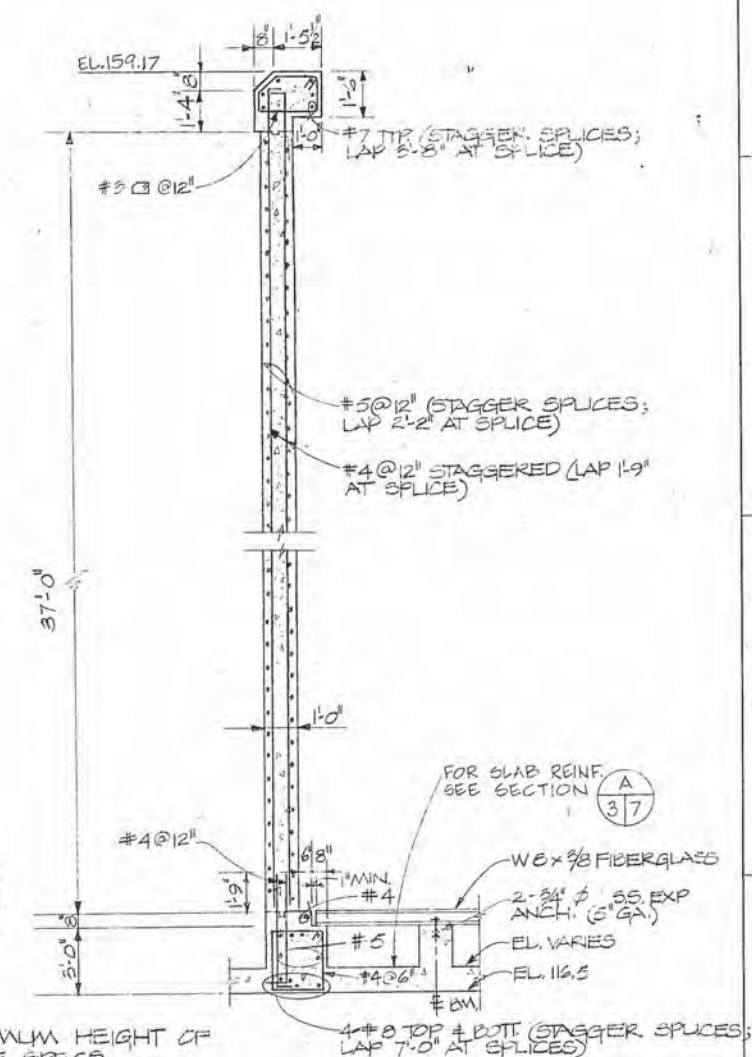
NOTE: BUNDLE TOP CONT. BARS AS SHOWN ON TYPICAL BEAM DETAIL ON THIS SHEET.



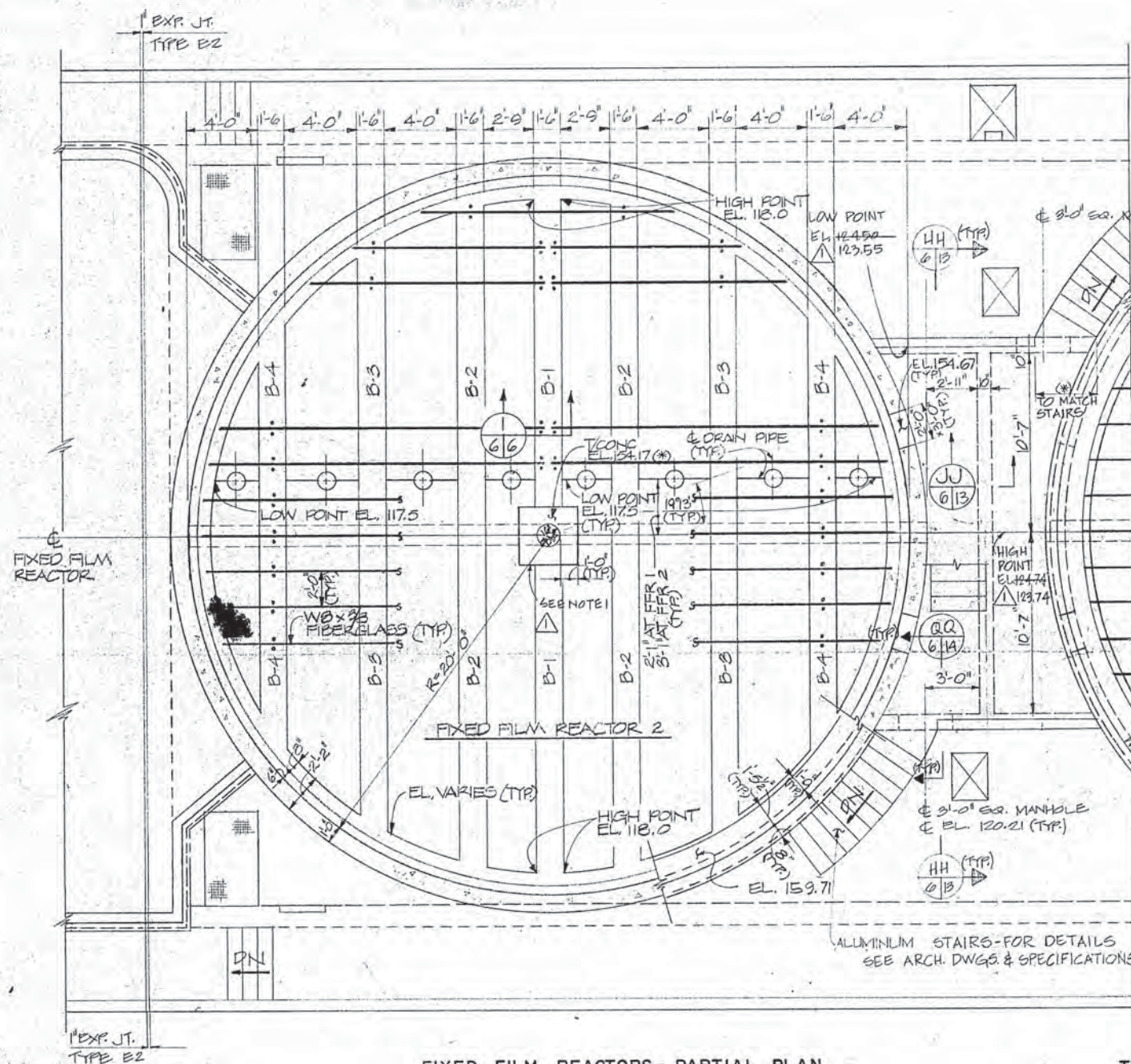
DETAIL 1
NO SCALE 6/6



NOTE: FOR MAXIMUM HEIGHT OF FOUR SEE SPECS.



TYPICAL WALL SECTION
SCALE: 1/4" = 1'-0"



FIXED FILM REACTORS - PARTIAL PLAN
SCALE: 1/4" = 1'-0"

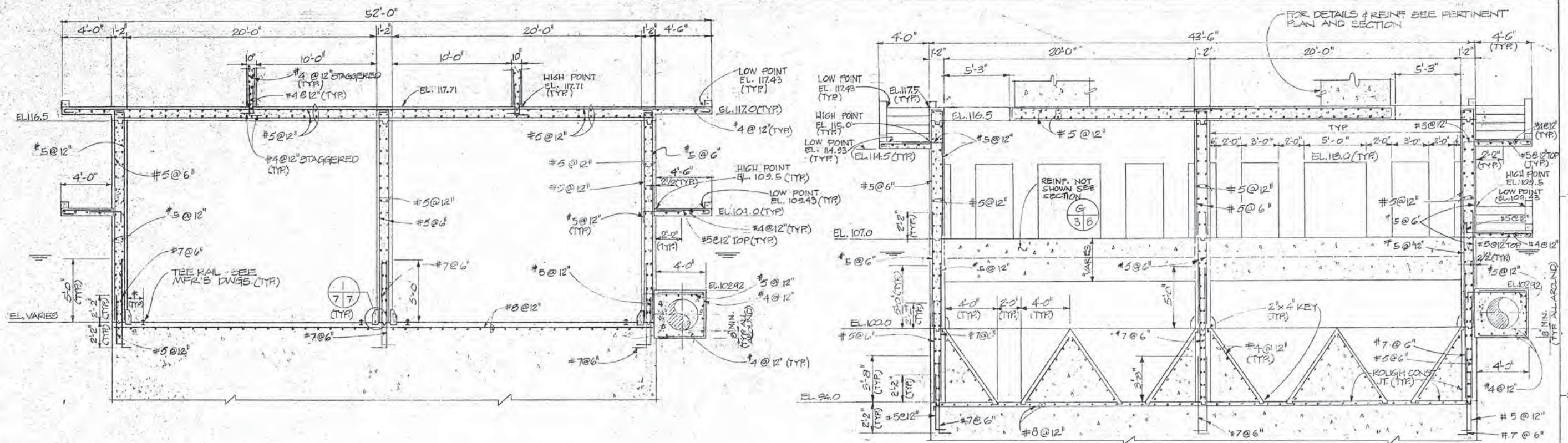
- NOTES:
1. BOLT W3 FIBERGLASS BEAMS AT EACH EXTERIOR CONC. BEAM. SUPPORT W/ 2-3/4" ϕ SS EXP ANCH. (3" GA.)
 2. FOR SIZE AND LOCATION OF DRAIN PIPES, OPNGS. SEE MECH. DWGS.
 3. SEE SPECIFICATIONS #ARCH. DWGS. FOR FINISH OF EXTERIOR FACE OF WALLS
 4. FOR ADDIT. DETAILS SEE SHEET S-4.

Reference Information and Notes:
1. REINFORCING FOR FFR CENTER COLLUMS SIMILAR TO DETAIL ON SHT. S-2.

Record Drawing
These record drawings have been prepared by the City of San Francisco, California, and are the property of the City of San Francisco. They are not to be used for any other purpose without the written consent of the City of San Francisco.

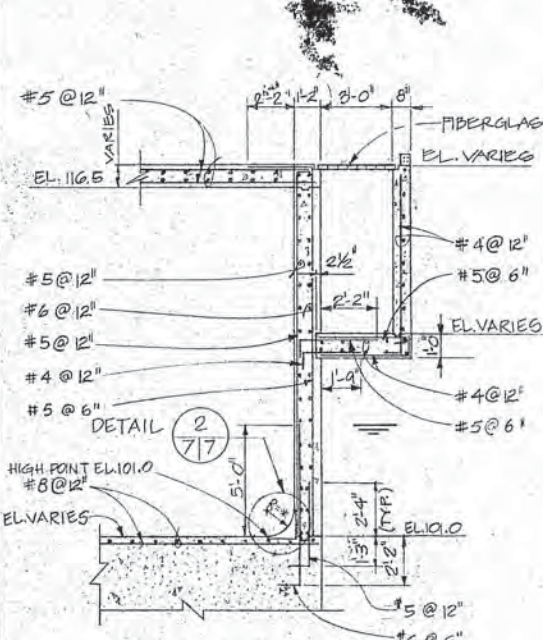
Designed S.R.D., SWY	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn A.V.S.	Kennedy Jenks Engineers	San Francisco
Checked S.H.D.	Submitted: Walter J. Hummer	Approved: Robert J. Anderson
Date 1-29-81	C9370	

Scale AS SHOWN
Job No. 0112
Sheet S-6
of

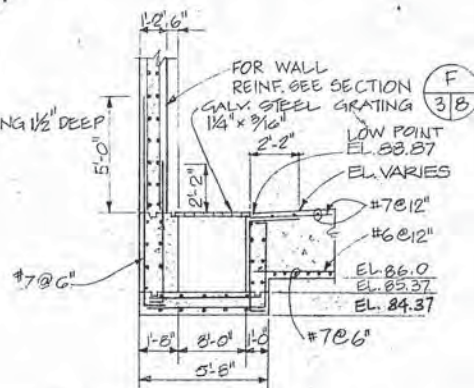


SECTION A
SCALE: 1/4"=1'-0"
3/7

SECTION B
SCALE: 1/4"=1'-0"
4/5

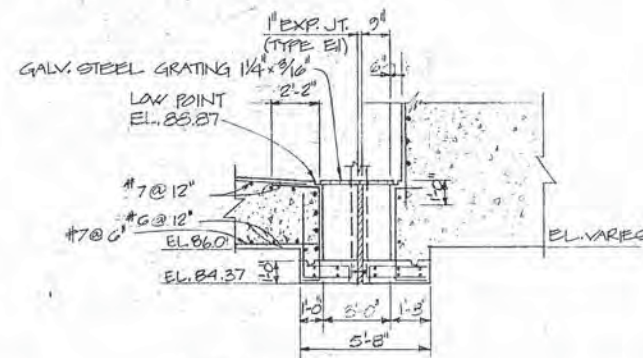


SECTION C
SCALE: 1/4"=1'-0"
4



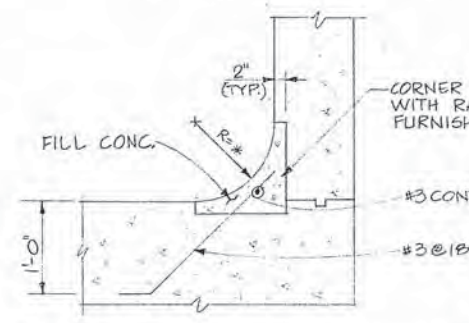
NOTE:
ALL REINFORCING SHOWN SHALL BE #5@12"
UNLESS OTHERWISE NOTED

SECTION D
SCALE: 1/4"=1'-0"
3/7



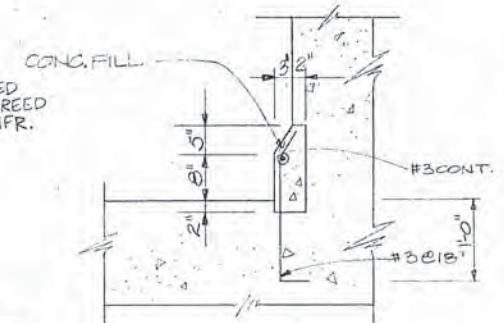
NOTE:
ALL REINFORCING SHOWN SHALL BE #5@12"
UNLESS OTHERWISE NOTED

SECTION E
SCALE: 1/4"=1'-0"
3/7



NOTE:
FOR REINF. NOT SHOWN SEE SECTION C

DETAIL 2
SCALE: 3/4"=1'-0"
7/7



NOTE:
FOR REINF. NOT SHOWN SEE SECTION A

DETAIL 1
SCALE: 3/4"=1'-0"
7/7

Record Drawing

These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Associates, Inc. is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR. 29, 1988

Record Drawing

These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Associates, Inc. is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR. 29, 1988

- 1) FOR SIZE & LOCATION OF PIPE OPENG. SEE MECH. DWGS.
- 2) GUARDRAILS AND HANDRAILS NOT SHOWN FOR CLARITY - SEE ARCH. DWGS.
- 3) ACCESS PLATFORM NOT SHOWN FOR CLARITY - SEE SHEETS S-22, S-23 & S-24.

GRAPHIC SCALE



Reference Information and Notes:

Revised	Description	Submit	App'd	Date

Refer to Tracing for Latest Revision

Designed
S.D., B.M.F.
Drawn
A.Y.S., R.C.
Checked
S.D.
Date
1-29-81

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District

Kennedy/Jenks Engineers

San Francisco

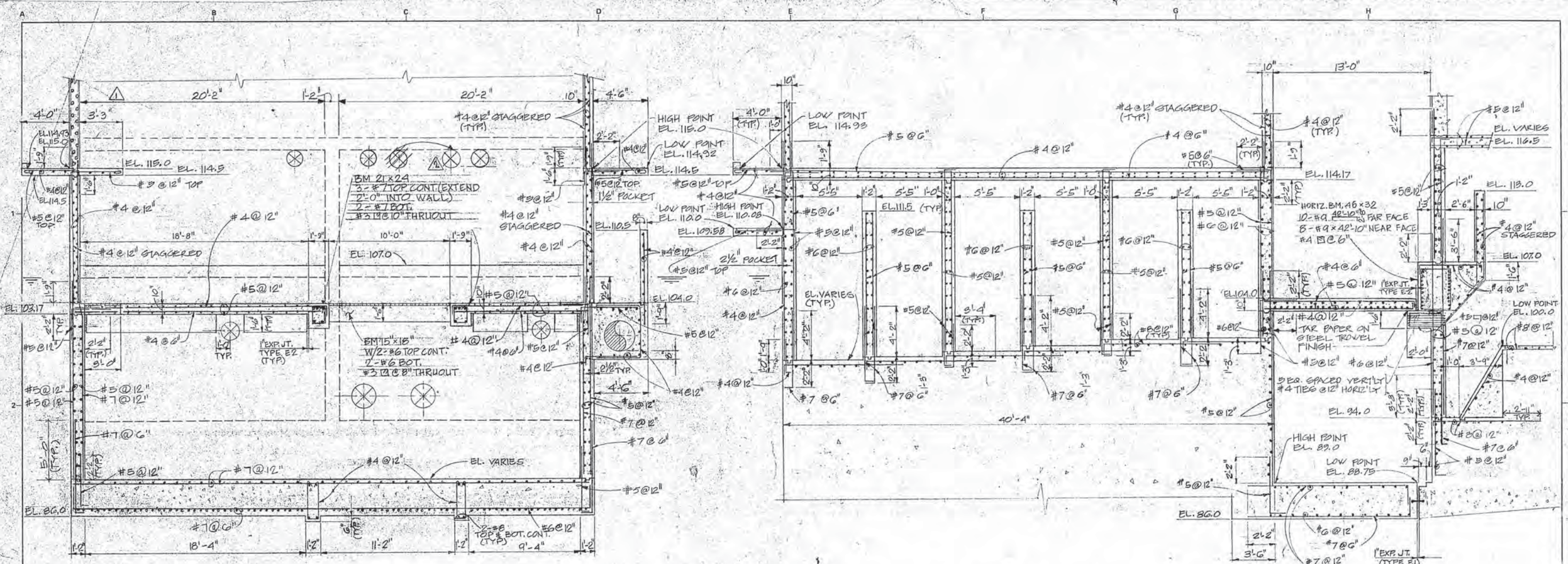
Submitted: *Naturel* C9370

Approved: *[Signature]*

SECONDARY STRUCTURE

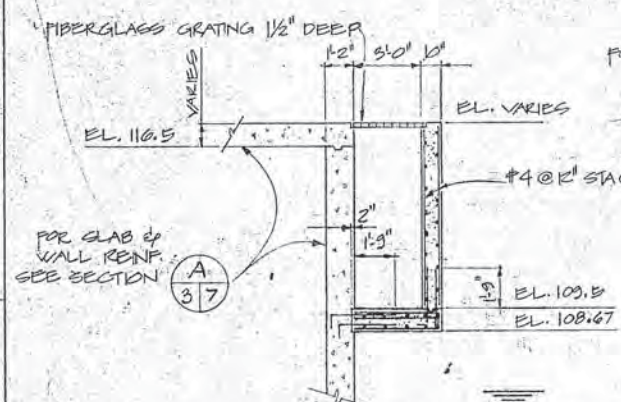
SECTIONS

Scale
AS SHOWN
Job No.
0112
Sheet
S-7
of

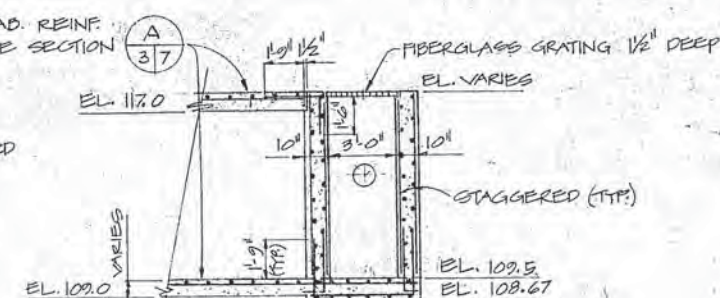


SECTION F
SCALE: 1/4"=1'-0"

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



NOTE: ALL REINF. SHOWN SHALL BE #4@12\"/>



NOTE: ALL REINF. SHOWN SHALL BE #4@12\"/>

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

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

- NOTES:
- 1) FOR SIZE AND LOCATION OF PIPE OPENG. SEE MECH. DWGS.
 - 2) GUARDRAILS AND LADDERS NOT SHOWN FOR CLARITY SEE MECH. & ARCH. DWGS.
 - 3) FOR DETAILS OF GRATING AT EL. 94.5 SEE MECH. DWGS.
 - 4) ACCESS PLATFORM NOT SHOWN FOR CLARITY SEE SHEETS S-22, S-23 & S-24

Record Drawing
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Chilton is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR 29, 1988



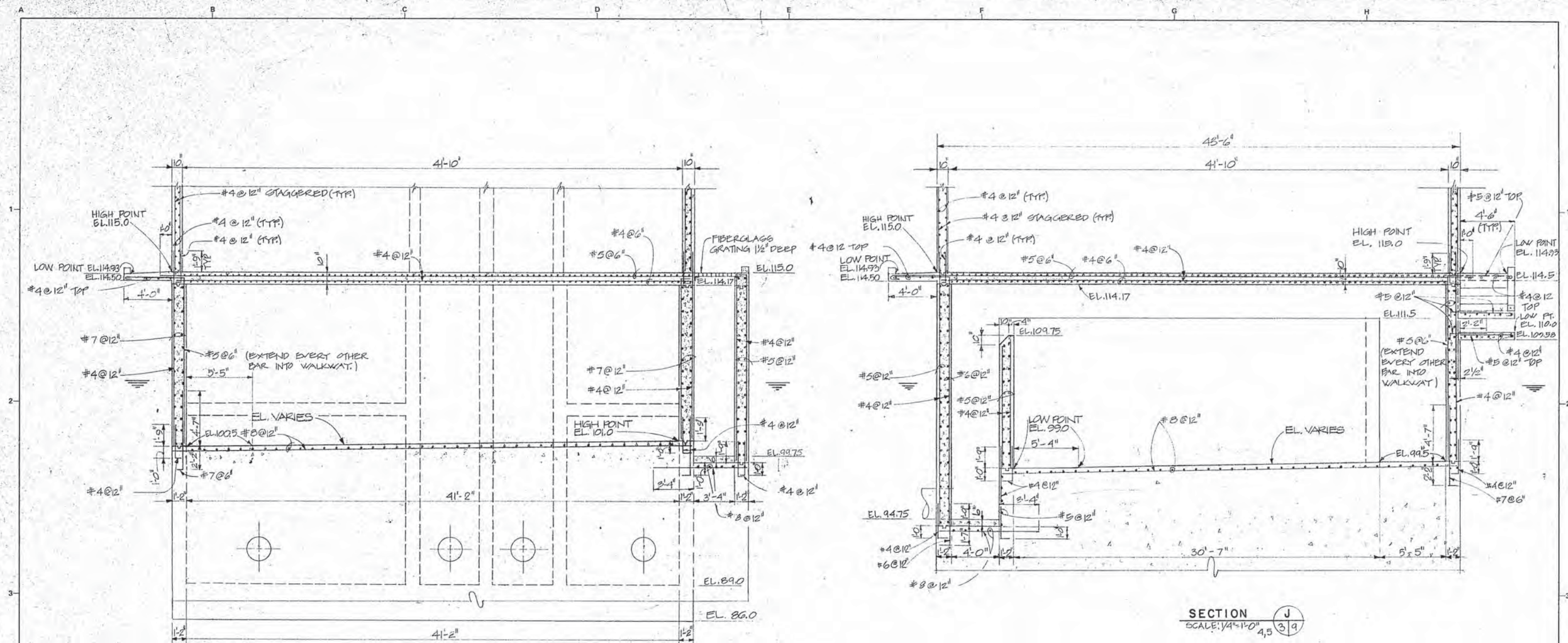
Revised	Description	Submit	App'd.	Date
	FIELD CHANGE			
	CLARIFICATION			
Refer to Tracing for Latest Revision				

Reference Information and Notes:

Designed Sub. BME/GW	Wastewater Plant Improvements C-06-2464
Drawn AJS, RBC	Sausalito - Marin City Sanitary District
Checked S.H.D.	Kennedy/Jenks Engineers San Francisco
Date 4-29-81	Submitted: <i>Walter J. Jenks</i> C9370

SECONDARY STRUCTURE
SECTIONS

Scale: 1/4"=1'-0"
Job No. 0112
Sheet S-8 of



SECTION H
SCALE: 1/4" = 1'-0"
3/9

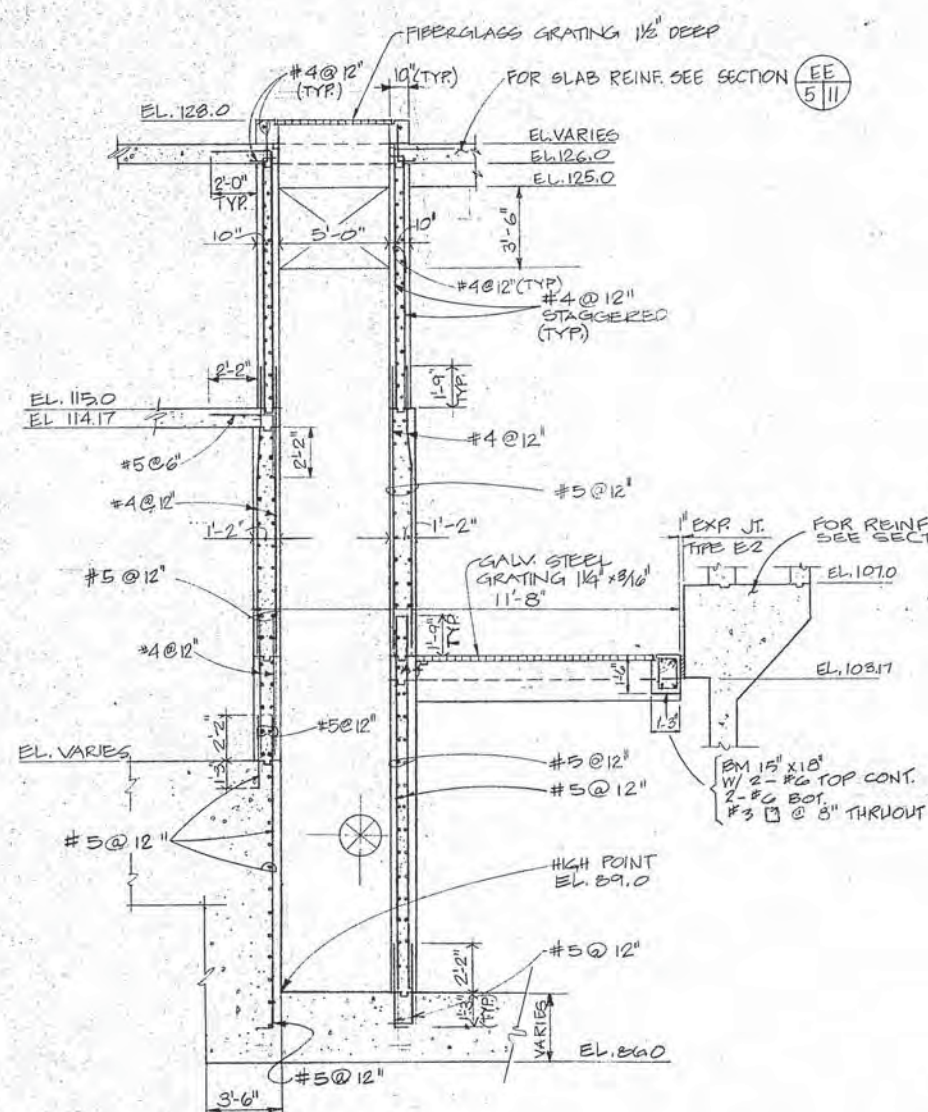
SECTION J
SCALE: 1/4" = 1'-0"
4/5

- NOTES:
- 1) FOR SIZE & LOCATION OF PIPE OPNCS - SEE MECH. DWGS.
 - 2) GUARDRAILS NOT SHOWN FOR CLARITY - SEE MECH. DWGS.
 - 3) ACCESS PLATFORM NOT SHOWN FOR CLARITY - SEE SHEETS S-22, S-23 & S-24



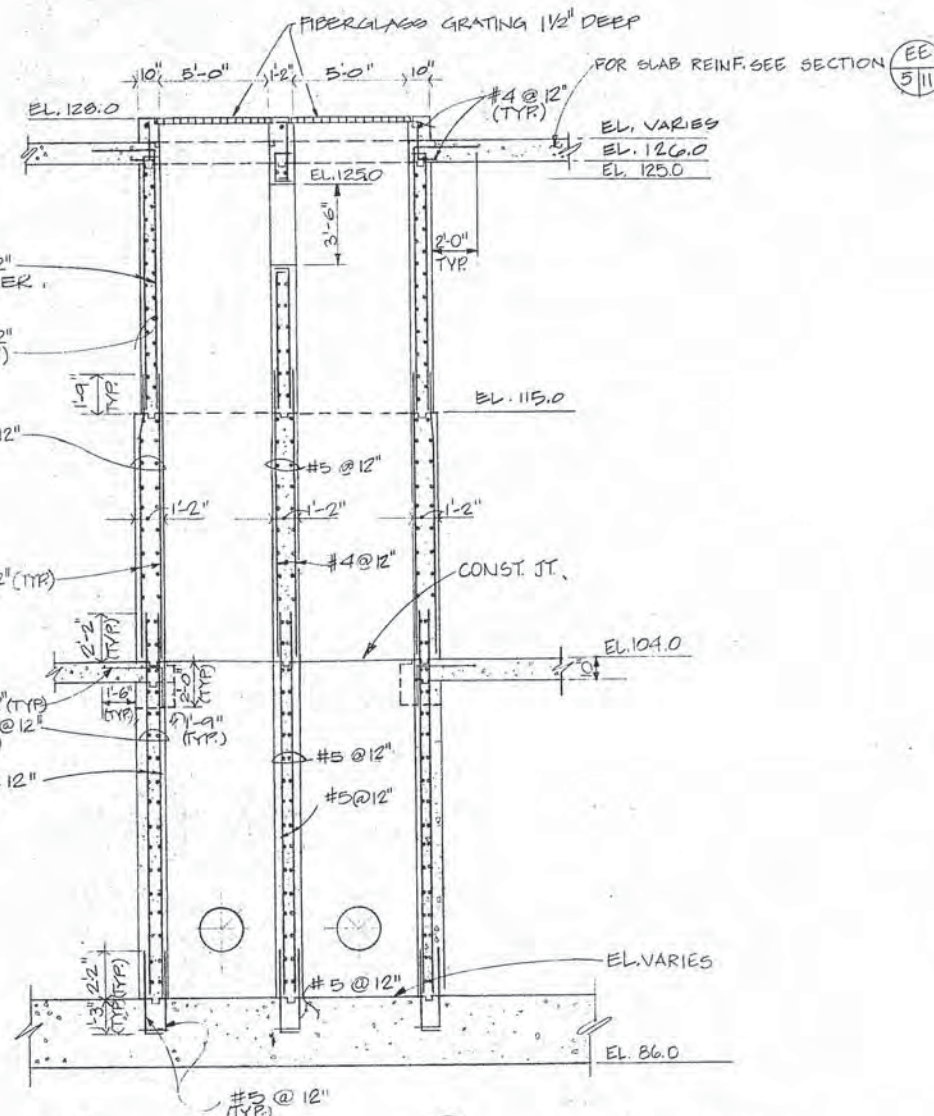
Record Drawing
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks Engineers is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR 23, 1988

Reference Information and Notes:				Designed: S.D. B.M.F./S.M.				Wastewater Plant Improvements C-06-2464				Scale: 1/4" = 1'-0"	
Drawn: AYS				Submitted: Kennedy/Jenks Engineers				Sausalito - Marin City Sanitary District				Job No. 0112	
Checked: SHD				Approved: <i>[Signature]</i>				San Francisco				Sheet S-9	
Date: 1-29-81				C9370				SECONDARY STRUCTURE SECTIONS				of	
Revised				Description				Submit				Refer to Tracing for Latest Revision	
App'd				Date									



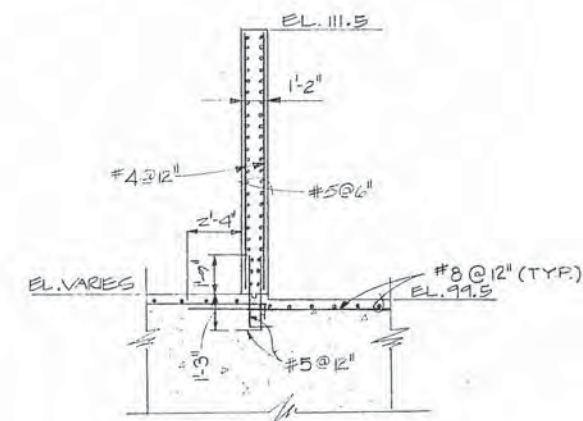
- NOTES:
1. FOR SLAB REINF. SEE SECTION **G** 3/8 UNLESS OTHERWISE NOTED
 2. FOR SIZE AND LOCATION OF PIPE OPENINGS SEE MECH. DWGS.
 3. GRATING PLATFORM AT EL. 94.50 NOT SHOWN FOR CLARITY-SEE MECH. DWGS.

SECTION **L** 4/3/10
SCALE: 1/4" = 1'-0"

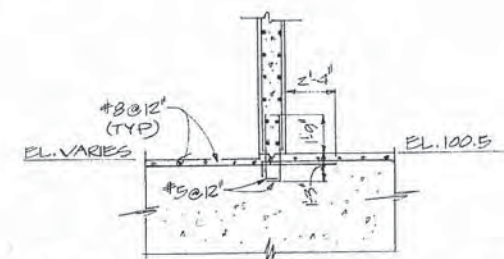


- NOTES:
1. FOR SLAB REINF. SEE SECTION **F** 3/8 UNLESS OTHERWISE NOTED
 2. FOR SIZE AND LOCATION OF PIPE OPENINGS SEE MECH. DWGS.
 3. GRATING PLATFORM AT EL. 94.50 NOT SHOWN FOR CLARITY-SEE MECH. DWGS.

SECTION **M** 4/3/10
SCALE: 1/4" = 1'-0"



SECTION **K** 3/10
SCALE: 1/4" = 1'-0"



NOTE:
FOR WALL REINF. SEE SECTION **K** 3/10

SECTION **PP** 3/10
SCALE: 1/4" = 1'-0"

Record Drawing
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Date: APR 21 19 20

RECORD DRAWING

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

Revised	Description	Submit	App'd.	Date
	Refer to Tracing for Latest Revision			

Reference Information and Notes:

Record Drawing
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Associates is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: 1-29-81

Designed
S.A.D. R.M.F.
Drawn
C.D. R.B.C.
Checked
S.A.D.
Date
1-29-81

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District

Kennedy/Jenks Engineers

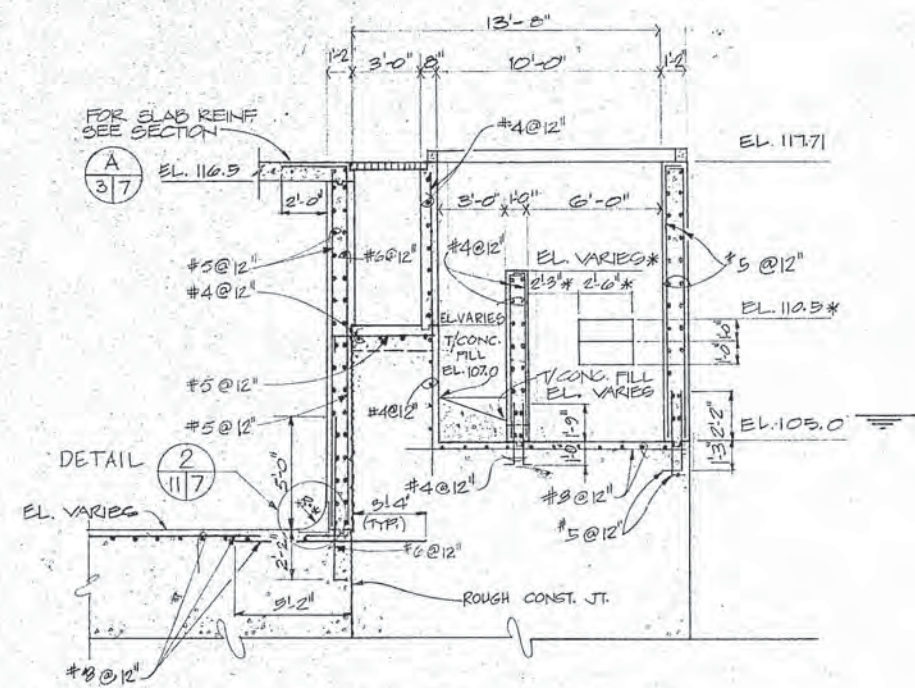
San Francisco

Submitted: Walter Z. Korman C-9370

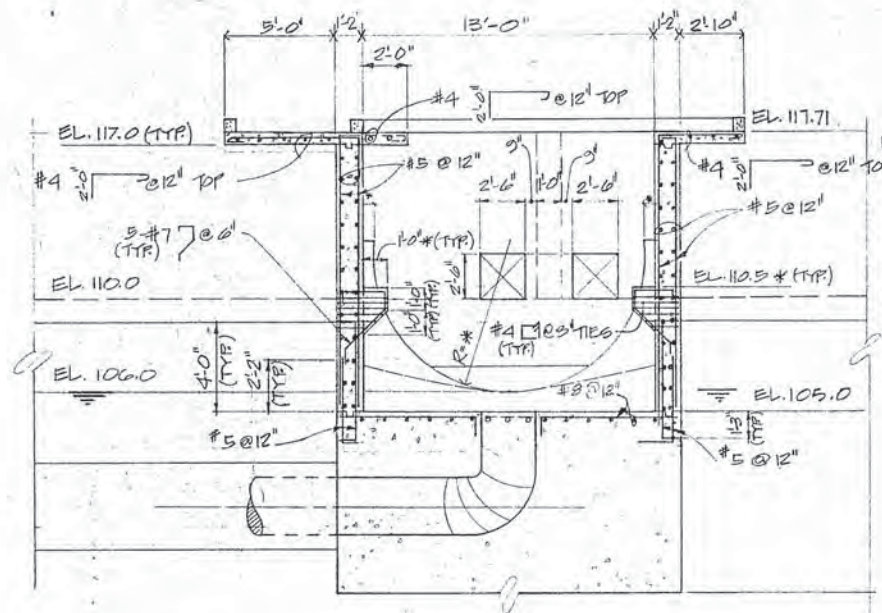
Approved: Robert J. Conway

SECONDARY STRUCTURE
SECTIONS

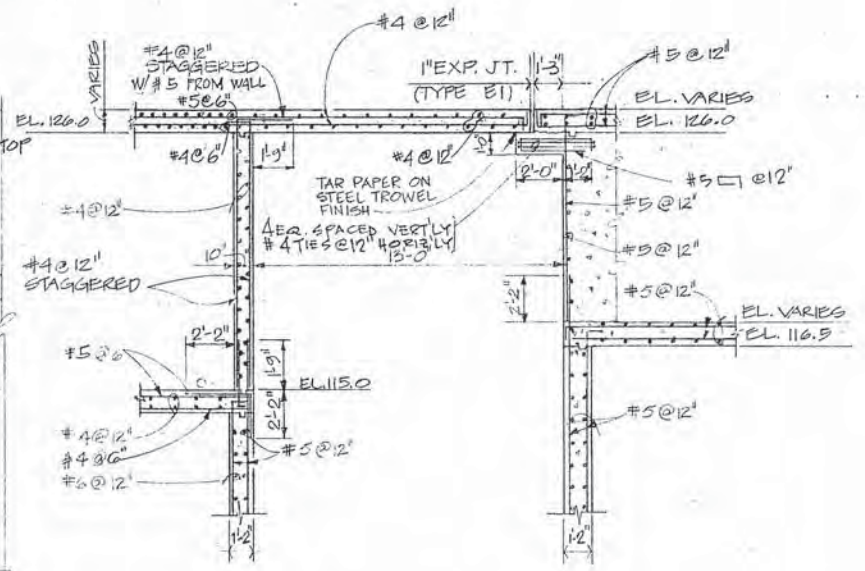
Scale
1/4" = 1'-0"
Job No.
0112
Sheet
S-10
of



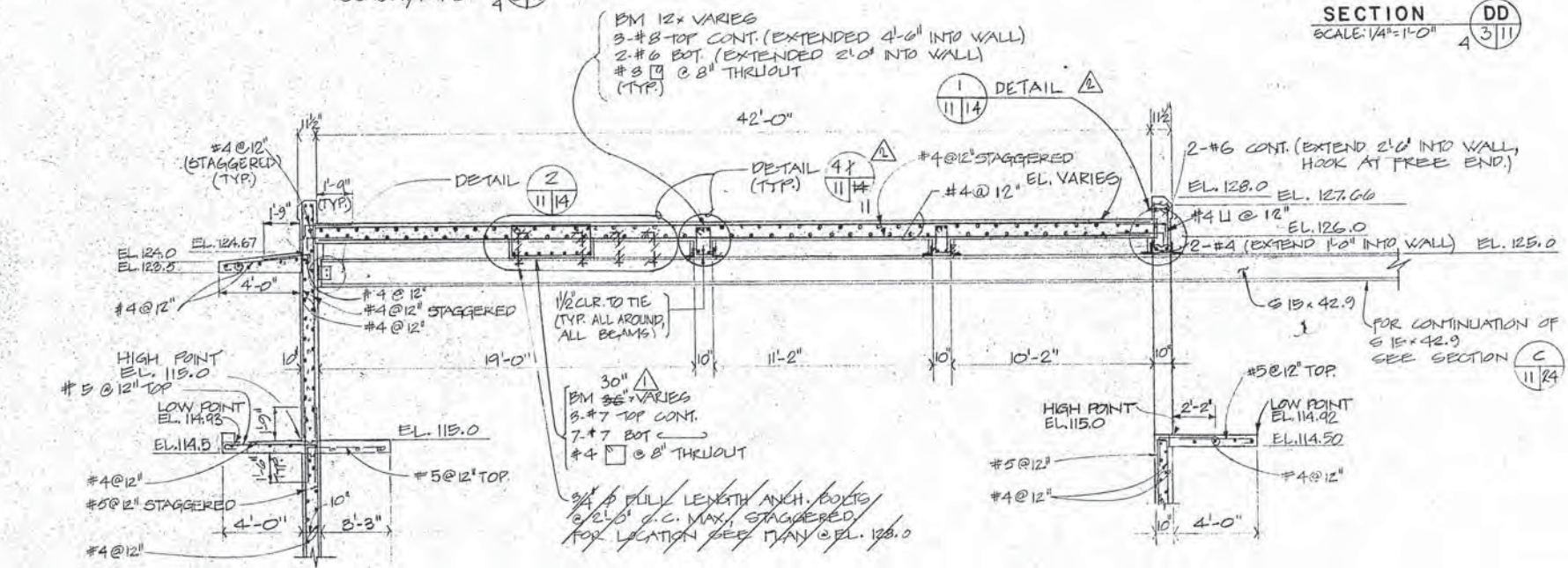
SECTION CC
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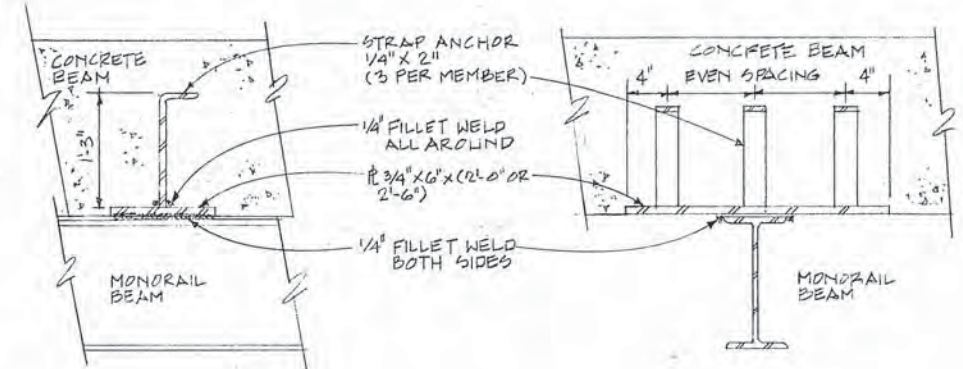
SECTION DD
SCALE: 1/4" = 1'-0"



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



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



DETAIL 4
NO SCALE

Record Drawing
These record drawings have been prepared, in accordance with the provisions of the California Civil Code, Chapter 4, Section 9100, and are not to be used for any other purpose without the written consent of the Engineer of Record.
DATE: APR 29, 1988

NOTE: GUARDRAILS NOT SHOWN FOR CLARITY. SEE ARCH. & MECH. DWGS.

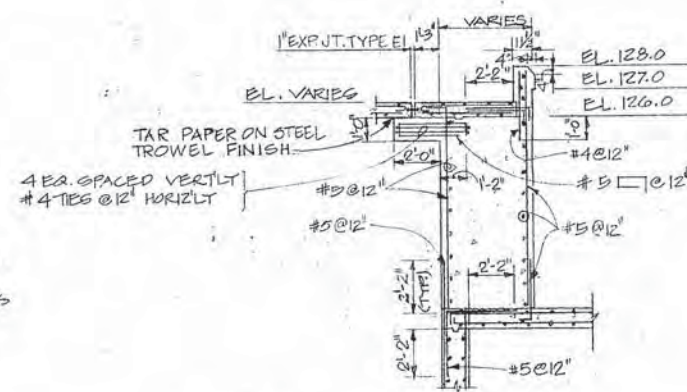
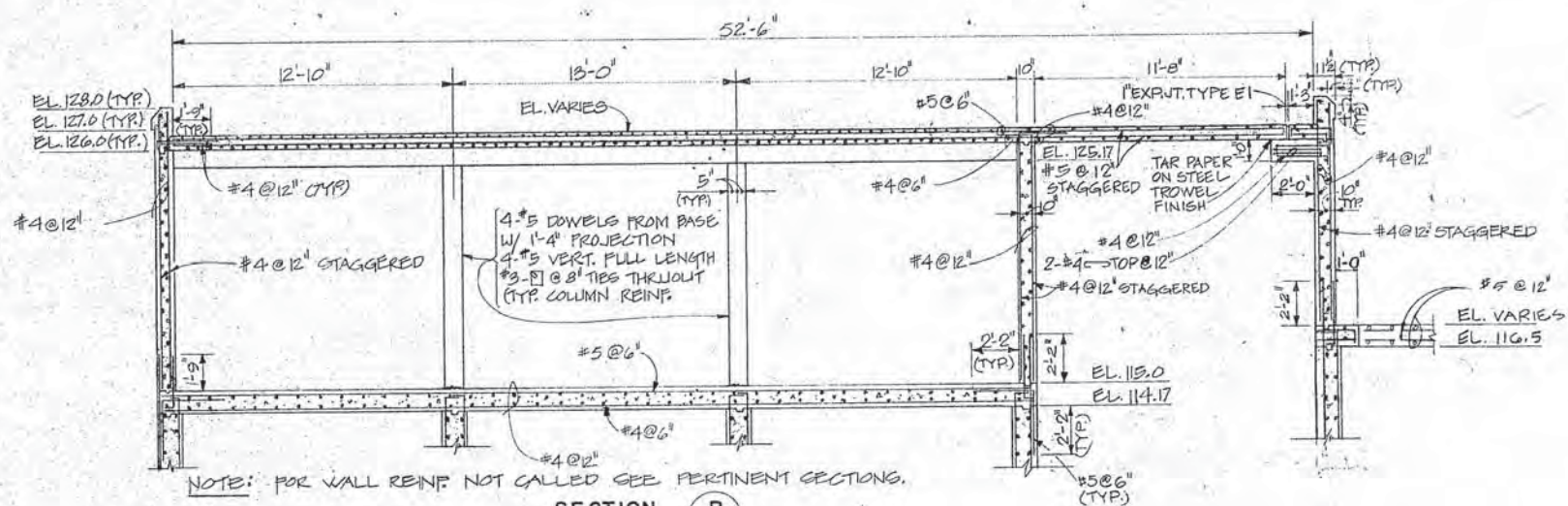
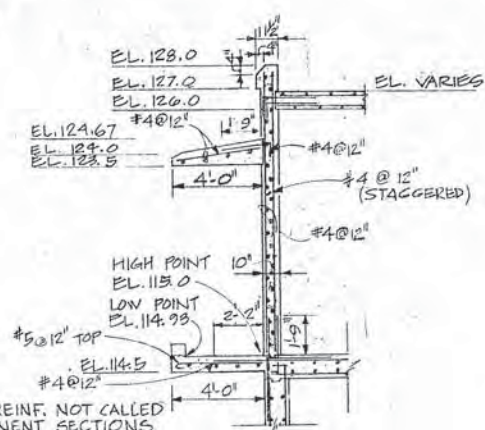
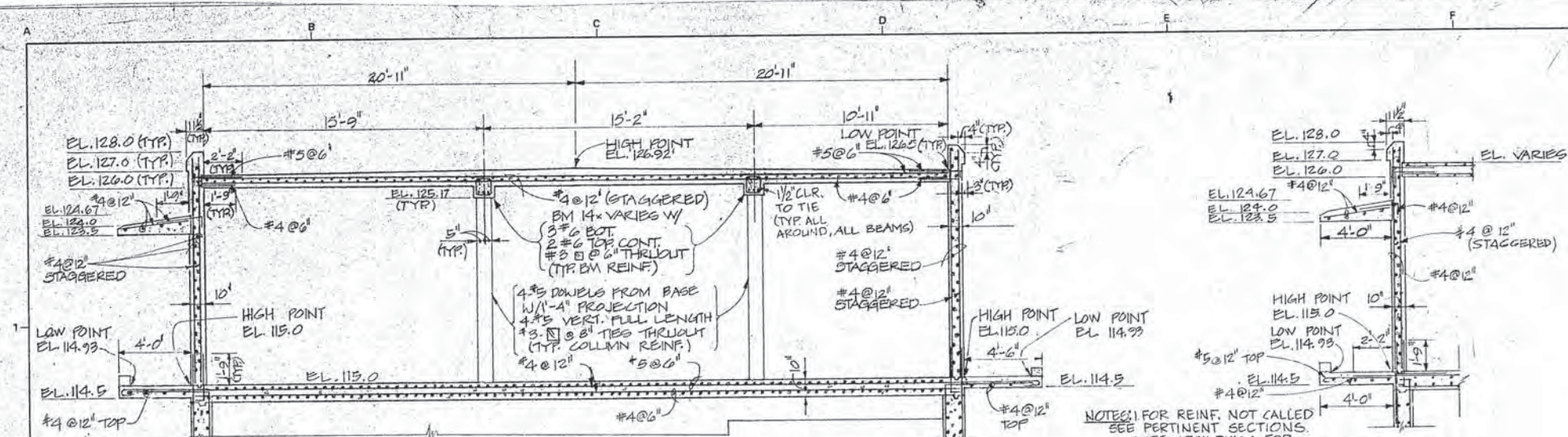


Revised	Description	Submit	App'd	Date

Designed SND, BMF	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn AJS, RDC	Kennedy/Jenks Engineers	San Francisco
Checked SND	Submitted: <i>Walter J. Brown</i>	C9370
Date 1-29-81	Approved: <i>Robert J. Brown</i>	

Reference Information and Notes:	

SECONDARY STRUCTURE SECTIONS	Scale 1/4" = 1'-0"
	Job No. 0112
	Sheet S-11



Record Drawing
These record drawings have been prepared in part, on the basis of information compiled and furnished by others. Kennedy/Jenks Chilton is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: 11-29-81



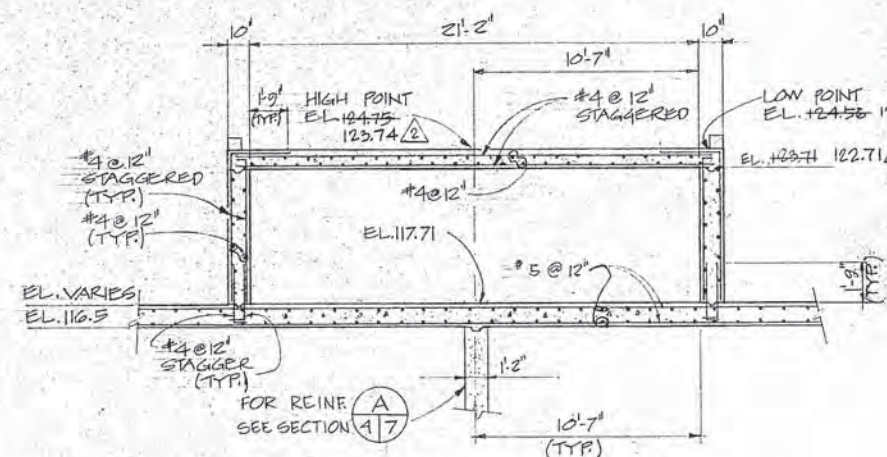
Revised	Description	Submit	App'd	Date
	Refer to Tracing for Latest Revision			

Reference Information and Notes:

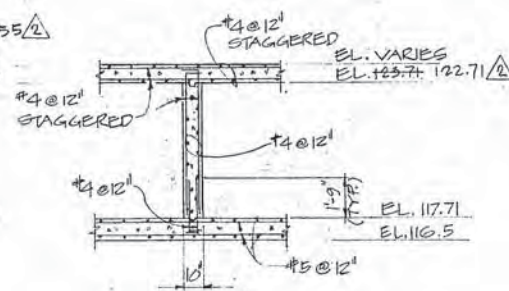
Designed S.D. SHY, BMF	Wastewater Plant Improvements C-06-2464
Drawn W.S. RBC	Sausalito - Marin City Sanitary District
Checked S.D.	Kennedy/Jenks Engineers San Francisco
Date 1-29-81	Submitted: Walter J. Hanna C9370

SECONDARY STRUCTURE
SECTIONS

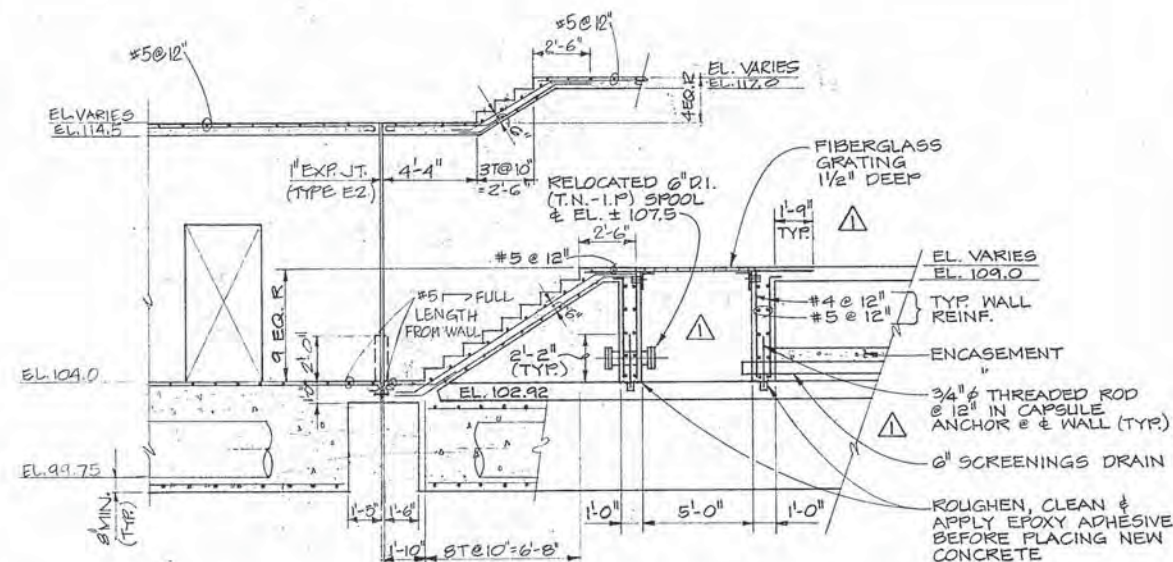
Scale
1/4" = 1'-0"
Job No.
0112
Sheet
S-12
of



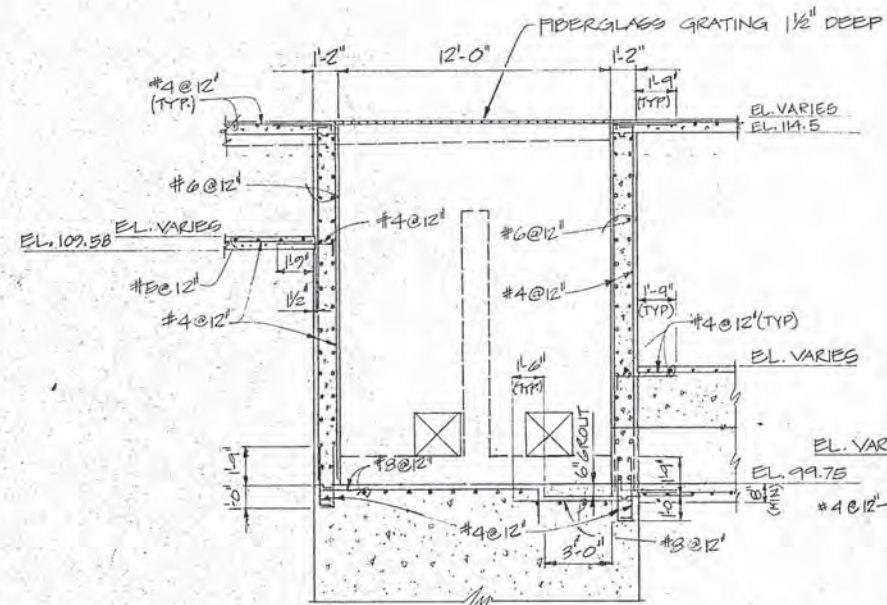
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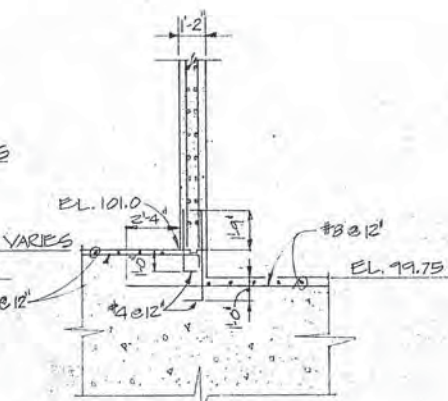
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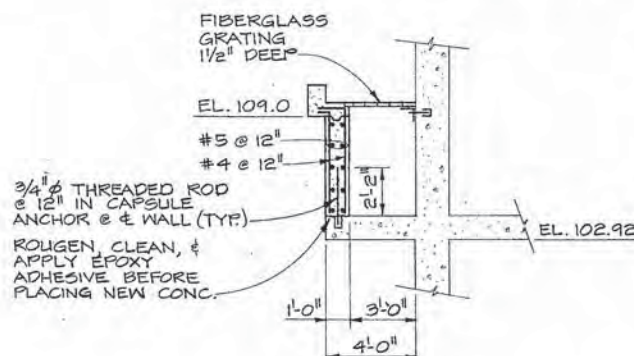
SECTION GG
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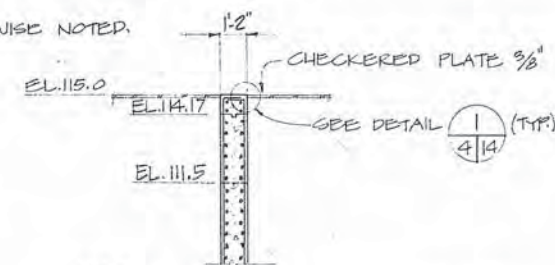
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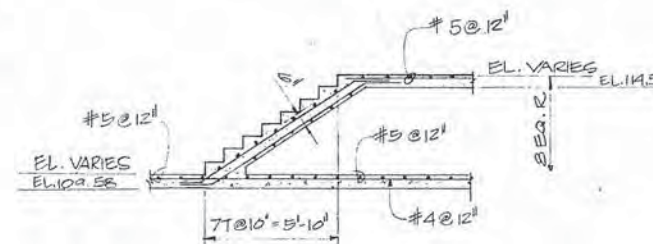
SECTION LL
SCALE: 1/4" = 1'-0"



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



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



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



- NOTES:
- 1) ALL REINF. SHOWN SHALL BE #4 @ 12" UNLESS OTHERWISE NOTED.
 - 2) FOR SIZE AND LOCATION OF PIPE SPNGS. SEE MECH. & ARCH. DWGS.

NOTE:
GUARDRAILS & HANDRAILS NOT SHOWN
FOR CLARITY - SEE ARCH. DWGS.

Record Drawing
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Associates is not responsible for any errors or omissions in this document as a result of information provided by others.
Dated: APR 29, 1988

NOTE:
ALL REINF. SHOWN SHALL BE #4 @ 12" UNLESS OTHERWISE NOTED.

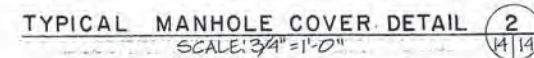
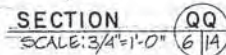
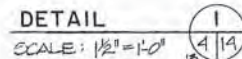
Revised	Description	Submit	App'd	Date
1	CLARIFICATION CO. NO. 24			

Reference Information and Notes:

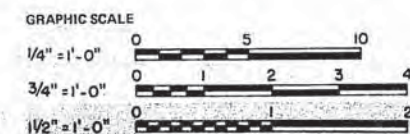
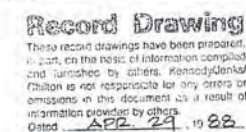
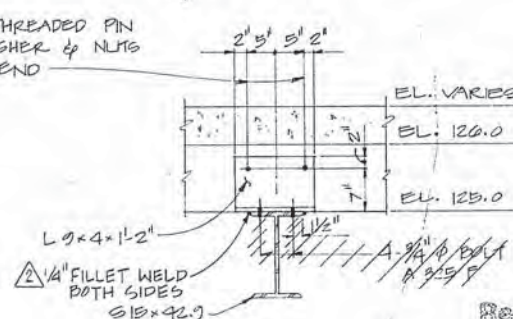
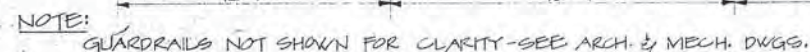
Designed S.H.D. EMFESY	Wastewater Plant Improvements C-06-2464
Drawn A.Y.S., RBC	Sausalito - Marin City Sanitary District
Checked S.H.D.	Kennedy/Jenks Engineers San Francisco
Submitted: Date 1-29-81	Walter J. Hansen C9370

SECONDARY STRUCTURE
SECTIONS

Scale
1/4" = 1'-0"
Job No.
0112
Sheet
S-13
of



▲ NOTE: BEAMS IN CONTROL BUILDING FLOOR OVER CHLORINE CONTACT TANKS



	SUBSTITUTION				
	CLARIFICATION				
Revised	Description		Submit.	Appr'd.	Date
Refer to Tracing for Latest Revision					

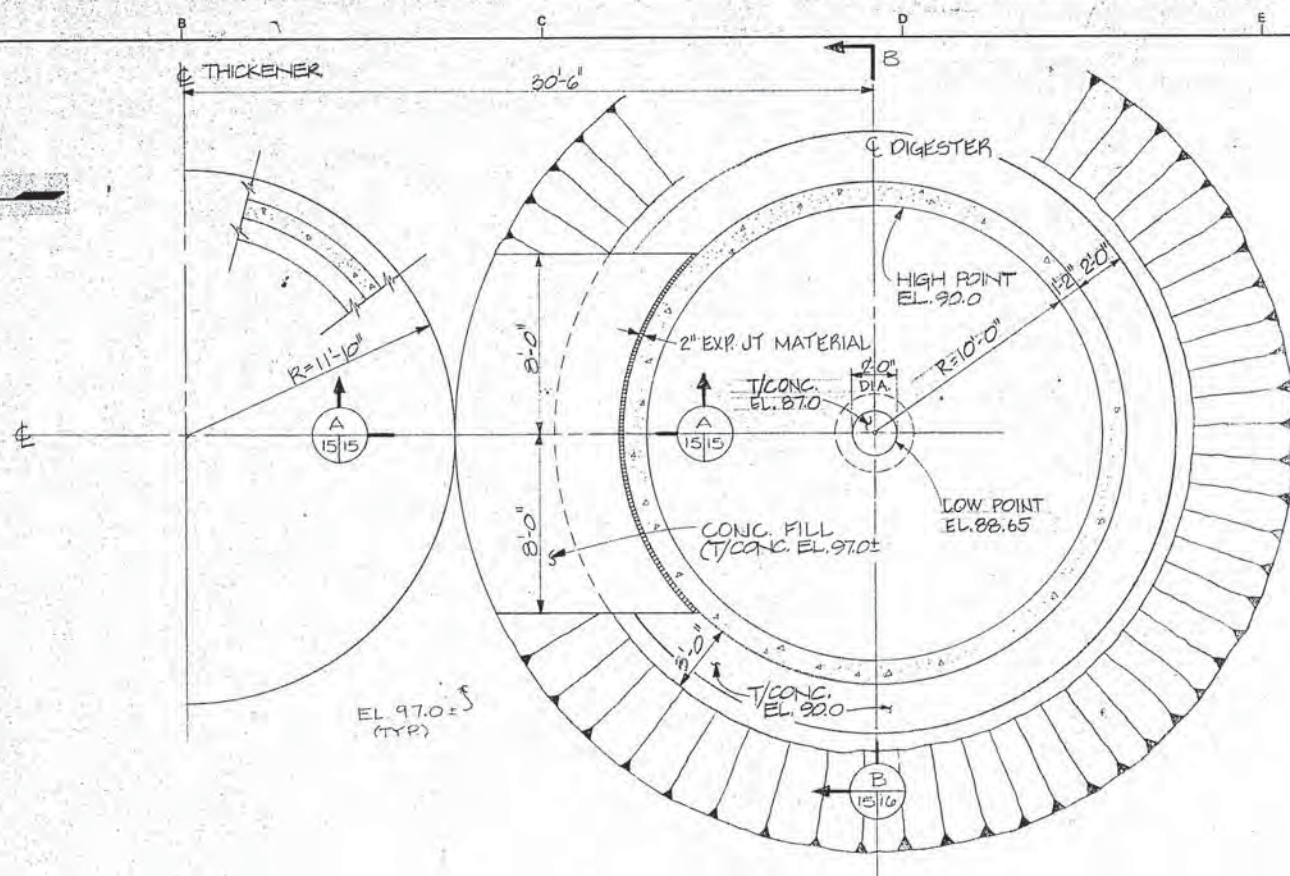
Reference Information and Notes:

Designed Sub. S.W.Y.R.M.F.	Wastewater Plant Improvements	C-06-2464
Drawn R.K., RBC	Sausalito - Marin City Sanitary District	
Checked S.W.D.	Kennedy/Jenks Engineers	San Francisco
Date 1-29-81	Submitted: <i>Walter L. Hoffman</i> C9376	Approved: <i>[Signature]</i> <i>Gray</i>

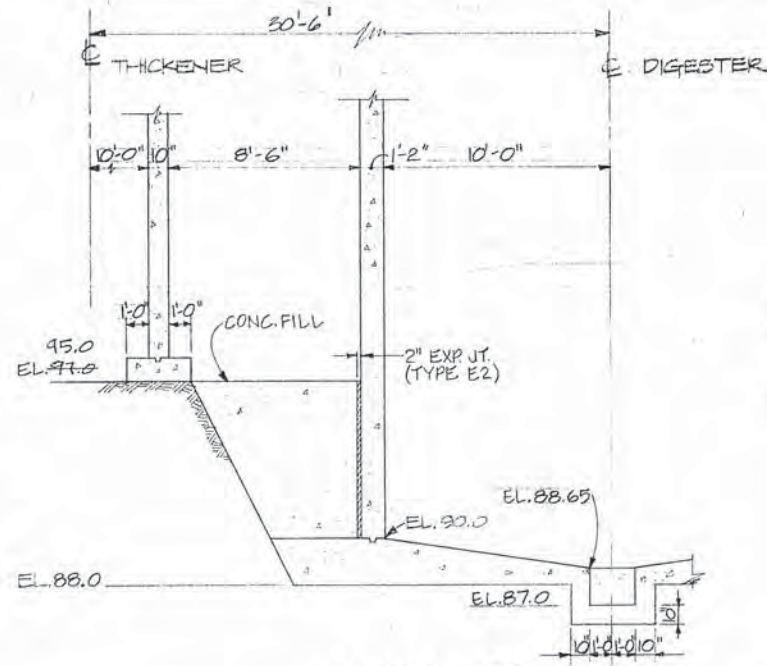
SECONDARY STRUCTURE

SECTIONS, DETAILS AND BEAM SCHEDULE

Scale	AS SHOWN
Job No.	0112
Sheet	S-14
of	

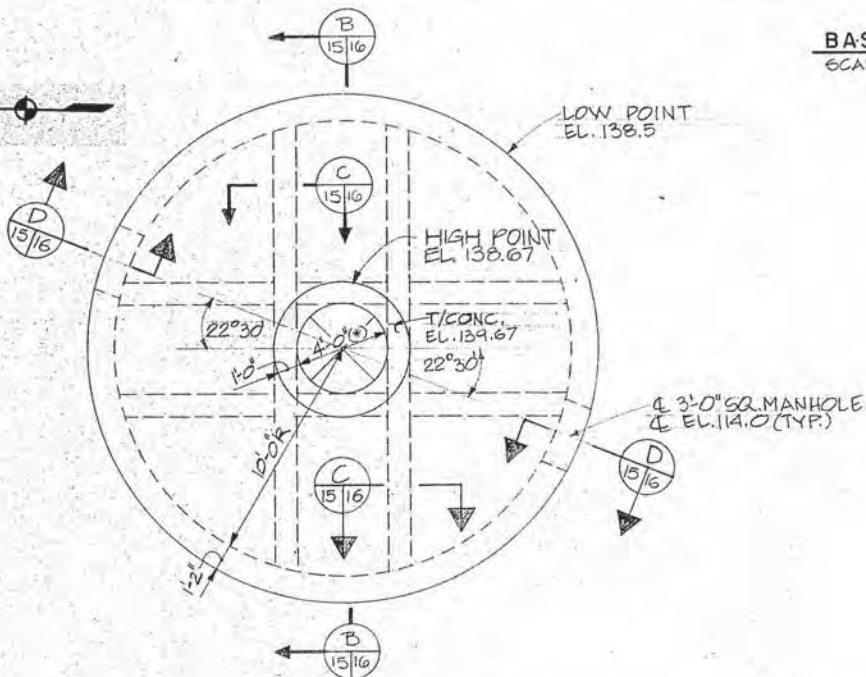


BASE PLAN
SCALE: 1/4" = 1'-0"



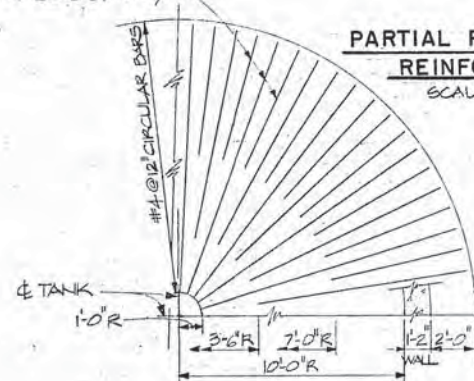
SECTION A
SCALE 1/4" = 1'-0"

NOTES:
1. CONSTRUCTION SEQUENCE
a. BUILD DIGESTER
b. FILL EXCAVATED AREA BETWEEN DIGESTER AND THICKENER WITH CONCRETE TO EL. 97.0 (SEE BASE PLAN)
c. BUILD THICKENER



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

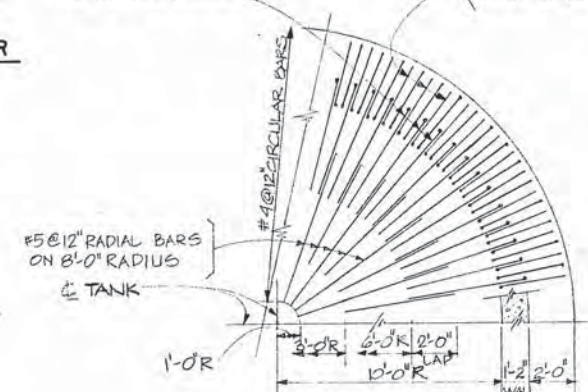
#7 RADIAL BARS
SPACED ALONG OUTSIDE
EDGE OF SLAB @ 12" O.C.



PARTIAL PLAN OF CENTER
REINFORCING
SCALE: 3/4" = 1'-0"

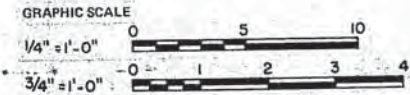
NOTES:
1. HOPPER NOT SHOWN FOR CLARITY
2. FOR HOPPER REINFORCING SEE PARTIAL PLAN OF CENTER REINFORCING & SECTION B

#8 @ 12" DOWELS
O.F. OF WALL



PARTIAL PLAN OF BOTTOM
REINFORCING
SCALE: 1/4" = 1'-0"

NOTES:
1. HOPPER NOT SHOWN FOR CLARITY
2. FOR HOPPER REINFORCING SEE PARTIAL PLAN OF CENTER REINFORCING & SECTION B



Record Drawing

These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks Children is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR. 24, 1988

15/16

15/16

PARTIAL PLAN OF TOP
REINFORCING
SCALE: 1/4" = 1'-0"

Record Drawing

These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks Children is not responsible for any errors or omissions in this document as a result of information provided by others.

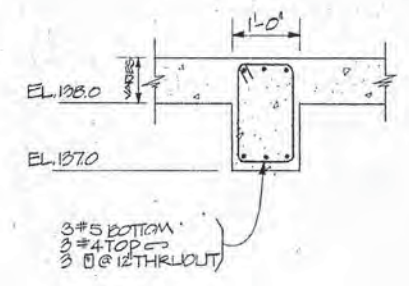
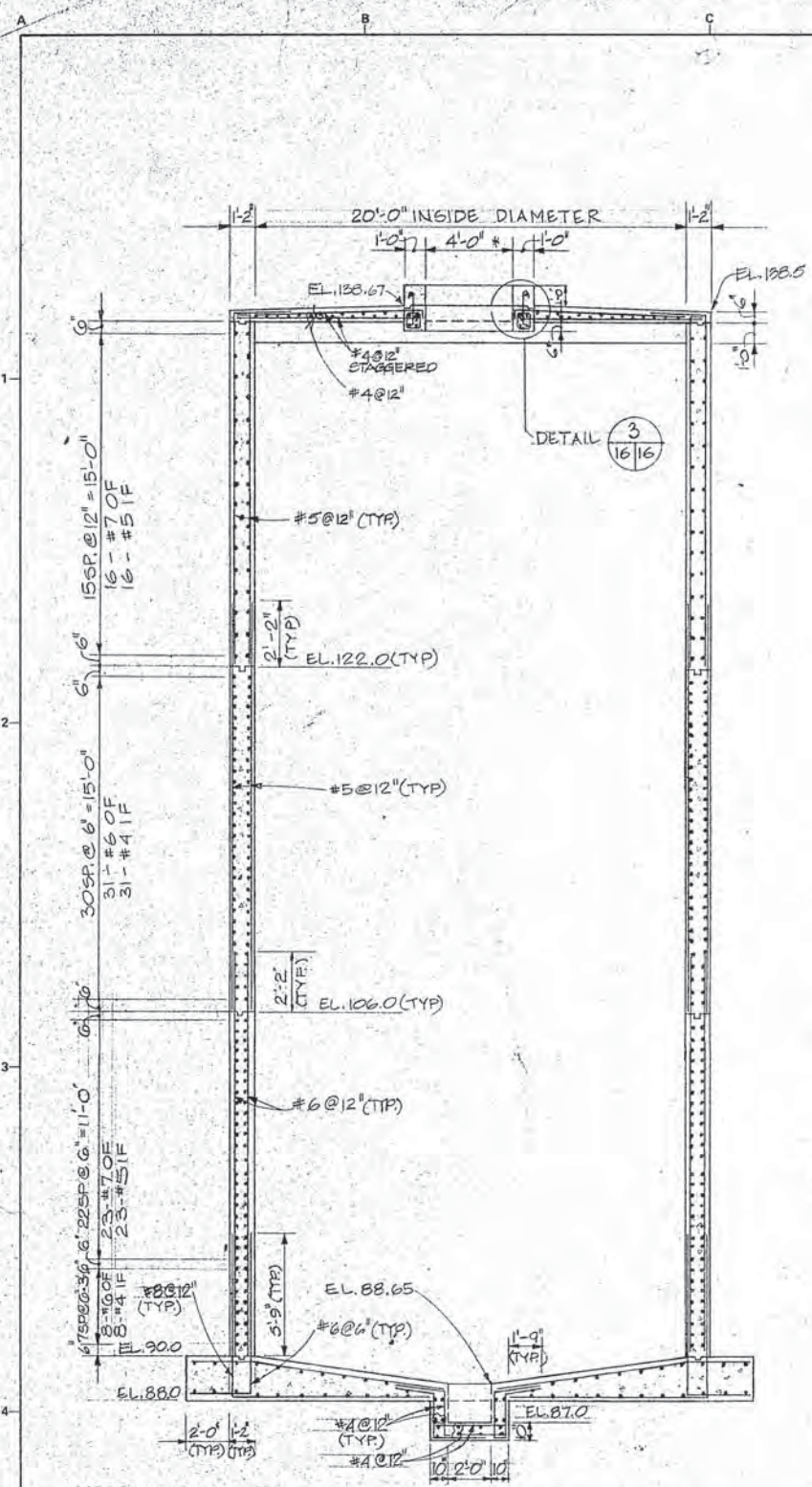
Revised	Description	Submit	App'd.	Date

Reference Information and Notes:

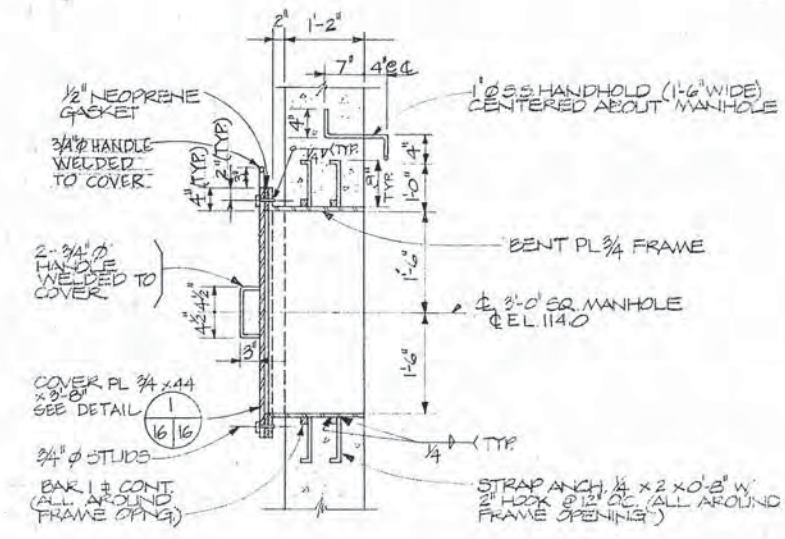
Designed S.W.D. SWY	Wastewater Plant Improvements Sausalito - Marin City Sanitary District	C-06-2464
Drawn AYS	Kennedy/Jenks Engineers	San Francisco
Checked S.W.D.	Submitted: Walter J. ... C9370	Approved: ...
Date: 1-29-81		

PRIMARY DIGESTER
PLANS AND SECTION

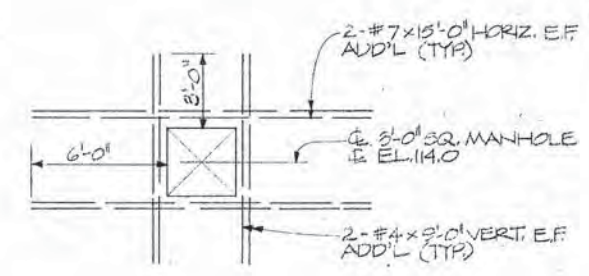
Scale
AS SHOWN
Job No.
0112
Sheet
S-15
of



SECTION C
SCALE: 3/4" = 1'-0" (15/16)

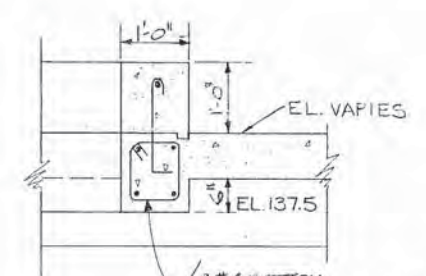


SECTION D
SCALE: 3/4" = 1'-0" (15/16)



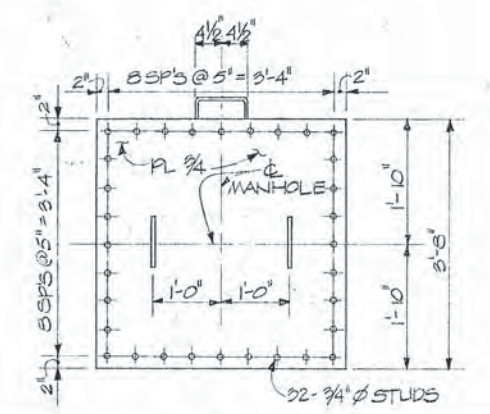
ADDITIONAL REINFORCING AT MANHOLE

DETAIL 2
SCALE: 1/4" = 1'-0" (16/16)



NOTE: FOR SLAB REINF. SEE SECTION B
2-#4 BOTTOM, 2-#4 TOPS, EXTEND FULL LENGTH TO WALL SUPPORTS
3-#4 THROUGHT

DETAIL 3
SCALE: 3/4" = 1'-0" (16/16)



TYPICAL MANHOLE COVER DETAIL
(TWO MANHOLES REQ'D)
SCALE: 3/4" = 1'-0" (16/16)

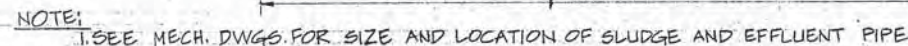
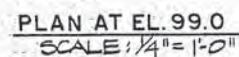
- NOTES:
1. FOR BASE SLAB REINF SEE PARTIAL PLANS ON S-15
 2. STAGGER SPLICES OF WALL HORIZ. BARS. LAP 17" AT SPLICES. SEE SHEET S-2
 3. ACCESS PLATFORM NOT SHOWN FOR CLARITY
 4. HORIZ. REINF SHOWN IS TYPICAL FOR TANK WALL

SECTION B
SCALE: 1/4" = 1'-0" (15/16)

Record Drawing
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Associates is not responsible for any errors or omissions in this document as a result of information provided by others.
Dated: APR 29, 1988

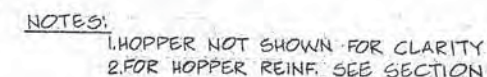


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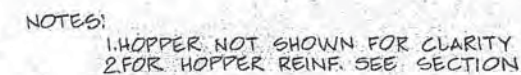


TOP PLAN
SCALE: 1/4" = 1'-0"

Record Drawing
These record drawings have been prepared in accordance with the instructions and guidelines provided by the Kansas Department of Transportation. The Kansas Department of Transportation is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: April 24, 1988

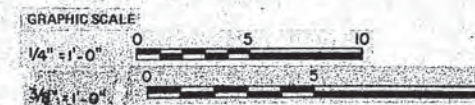


PARTIAL PLAN OF TOP REINFORCING
SCALE: 3/8"=1'-0"



PARTIAL PLAN OF BOTTOM REINFORCING

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



	FIELD CHANGE				
	Revised	Description	Submit.	Appr'd.	Date
Refer to Tracing for Latest Revision					

Reference Information and Notes:

Record Drawing

For a document to have been prepared
in the name of the International Committee
on the Assassinations of John F. Kennedy
or any other person, it must be
signed by the committee as a result of
a vote taken by its members.

Designed	SH.D., SHY
Drawn	E.K.
Checked	SH.D.
Date	1-29-81

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District

Kennedy/Jenks Engineers

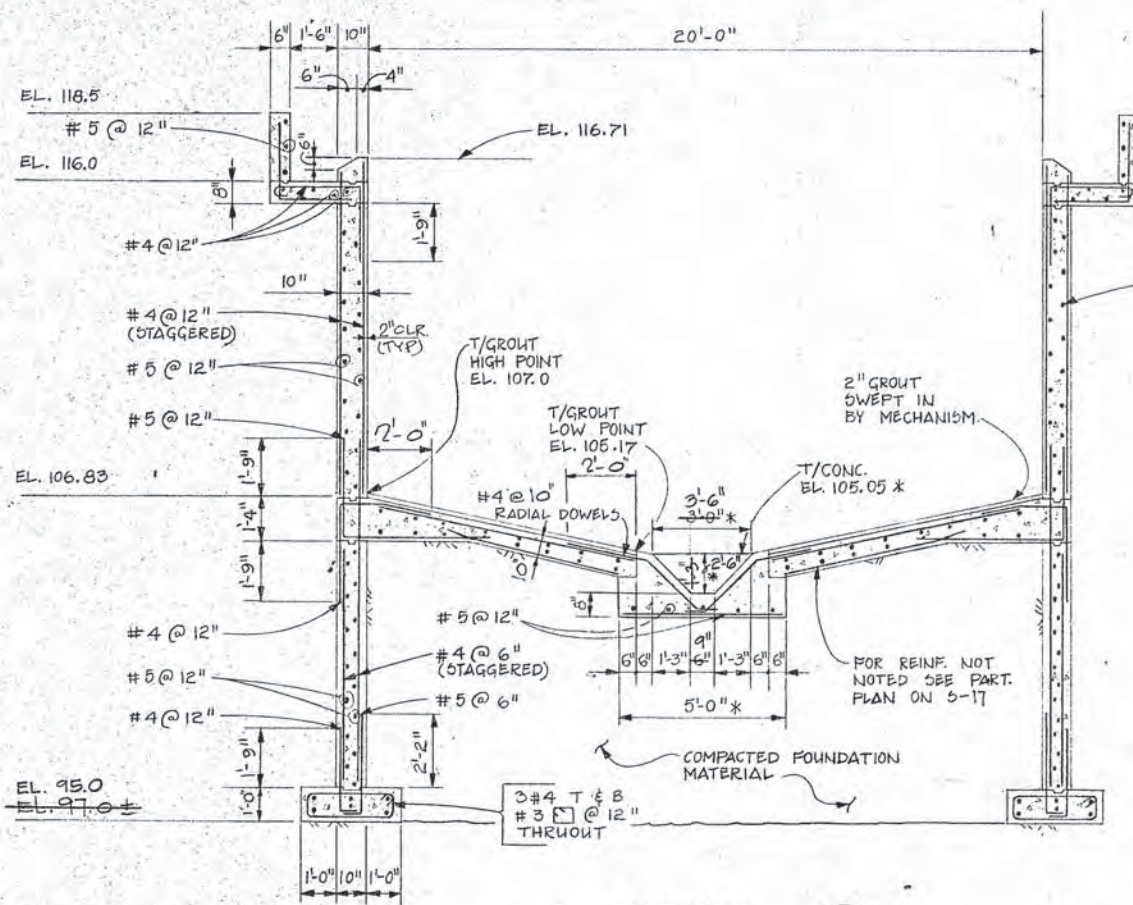
Submitted: Walter J. Hanna C9370

San Francisco

Approved: Robert J. Arvey

THICKENER PLANS

Scale	AS SHOWN
Job No.	0112
Sheet	S-17

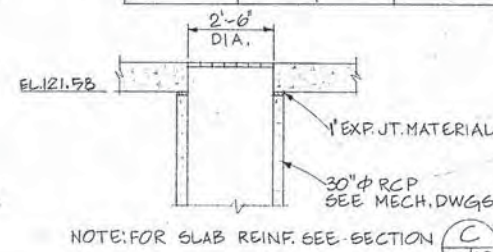


SECTION A
SCALE: 3/8" = 1'-0" 17/18

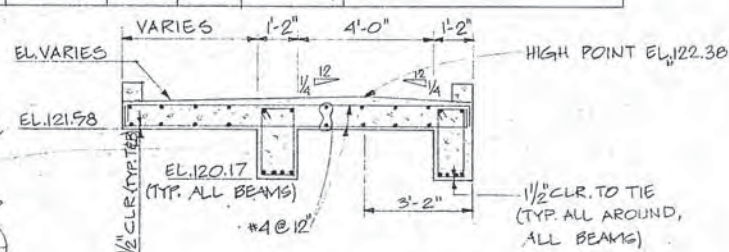
NOTE: STAGGER OFFICES, LAP 1'-9" FOR #4 BARS; 2'-2" FOR #5 BARS AT OFFICE.

BEAM SCHEDULE

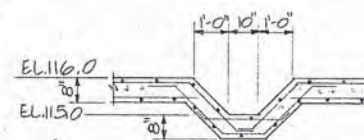
MARK	SIZE		REINFORCING		STIRRUPS			REMARKS
	B	D	BOTTOM	TOP	SIZE	TYPE	SPACING	
PB-1	14	28	SEE PB-2	SEE PB-2	#3	□	6" THRUOUT	
PB-2	14	28	4-#5	2-#6 CONT.	#3	□	6" THRUOUT	EXTEND #6 BARS FULL LENGTH INTO PB-1 & END IN HOOK. EXTEND #5 BARS FULL LENGTH INTO PB-1
PB-3	14	28	4-#5	2-#6 CONT.	#3	□	6" THRUOUT	EXTEND BARS FULL LENGTH INTO EAST ADJACENT SPAN; HOOK TOP BARS AT EAST END
PB-4	14	28	4-#5	2-#6 CONT.	#3	□	6" THRUOUT	



SECTION B
SCALE: 3/8" = 1'-0" 17/18



SECTION C
SCALE: 3/8" = 1'-0" 17/18



SECTION D
SCALE: 3/8" = 1'-0" 17/18

Record Drawing

These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks Engineers is not responsible for any errors or omissions in this drawing as a result of information furnished by others.
Date: APR. 29, 1988



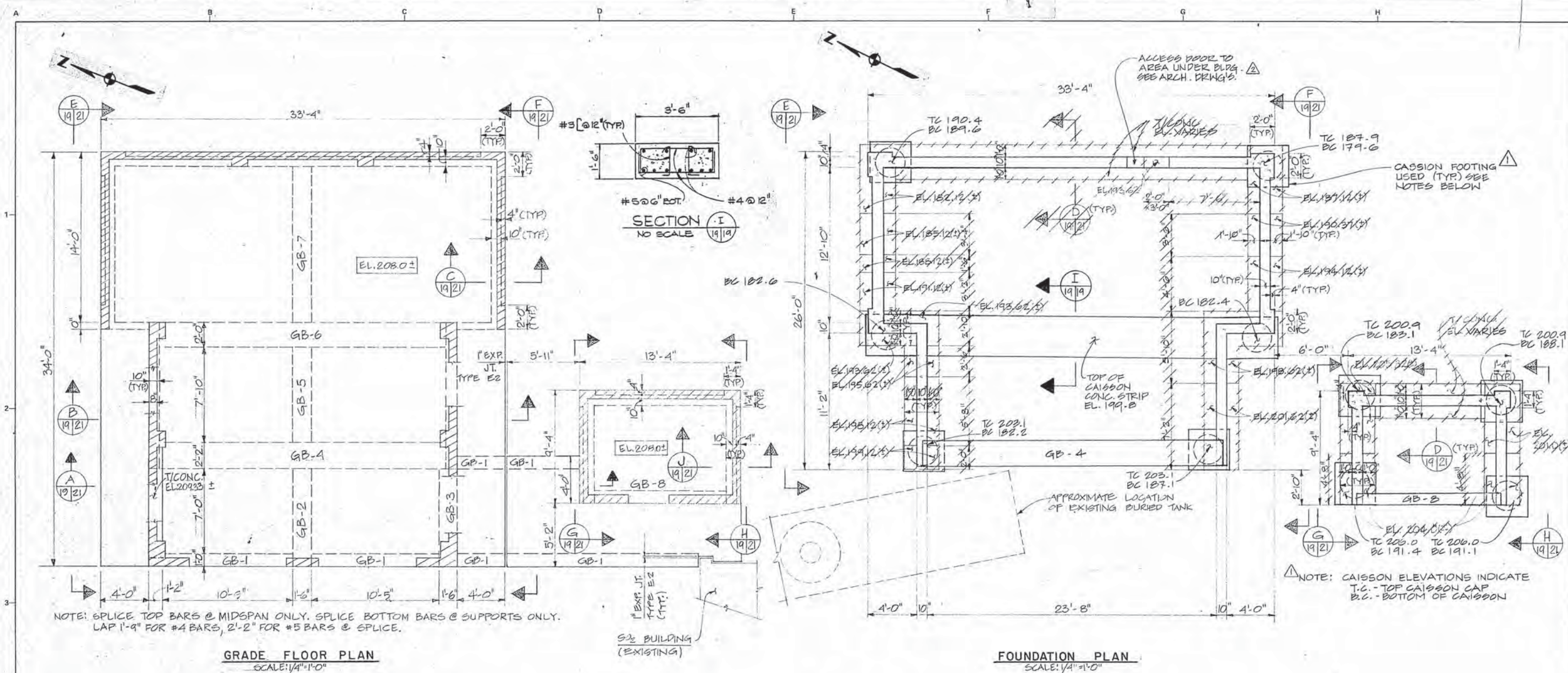
Revised	Description	Submit.	Appr'd.	Date
	Refer to Tracing for Latest Revision			

Reference Information and Notes:

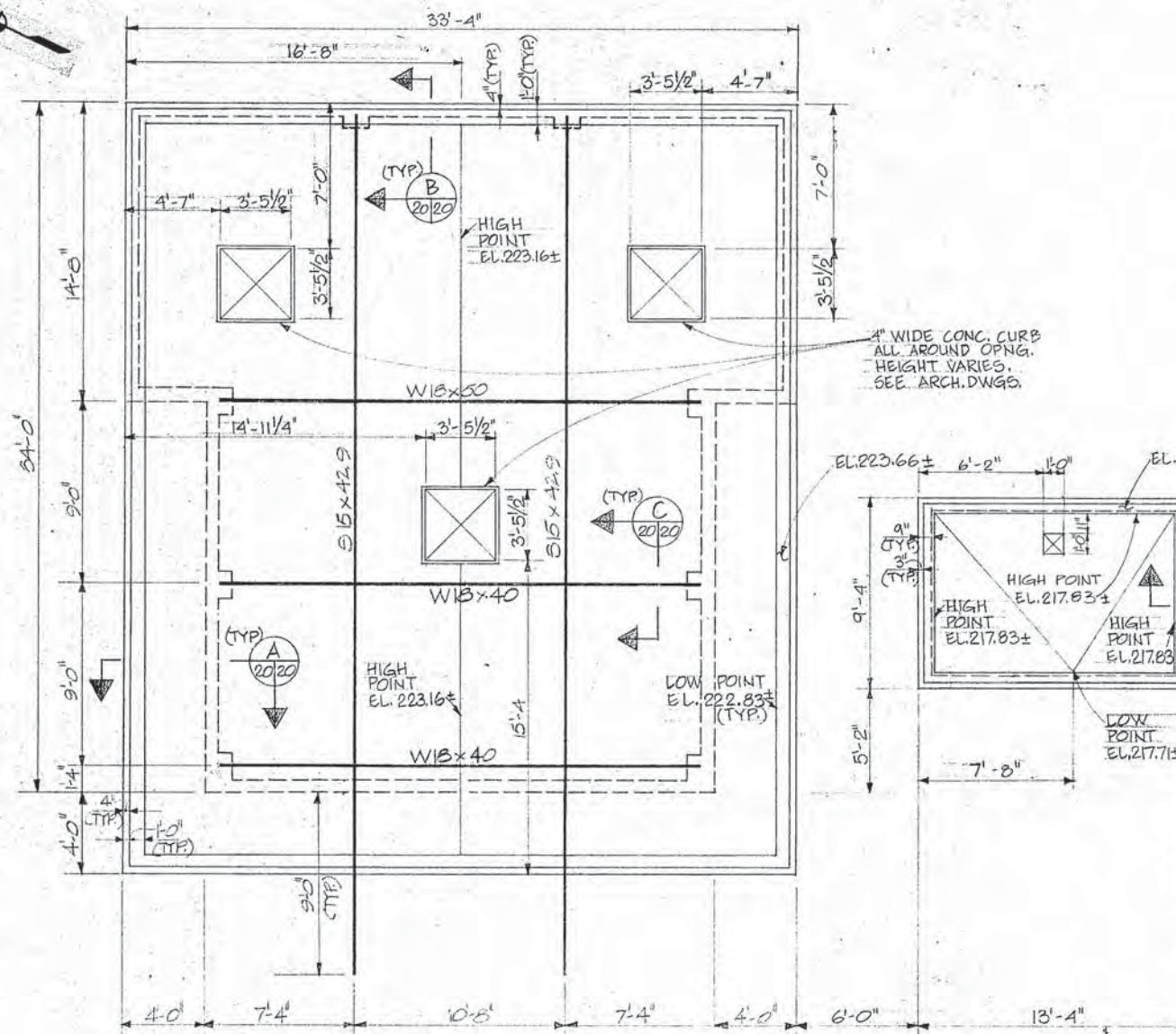
Designed S.D.S.W.Y.	Wastewater Plant Improvements C-06-2464
Drawn I.H.A.Y.S.	Sausalito - Marin City Sanitary District
Checked S.D.	Kennedy/Jenks Engineers San Francisco
Date 1-29-81	Submitted: <i>Walter J. Harsma</i> C-9370 Approved: <i>Robert J. Owen</i>

THICKENER
SECTIONS AND BEAM SCHEDULE

Scale
3/8" = 1'-0"
Job No.
0112
Sheet
S-18
of

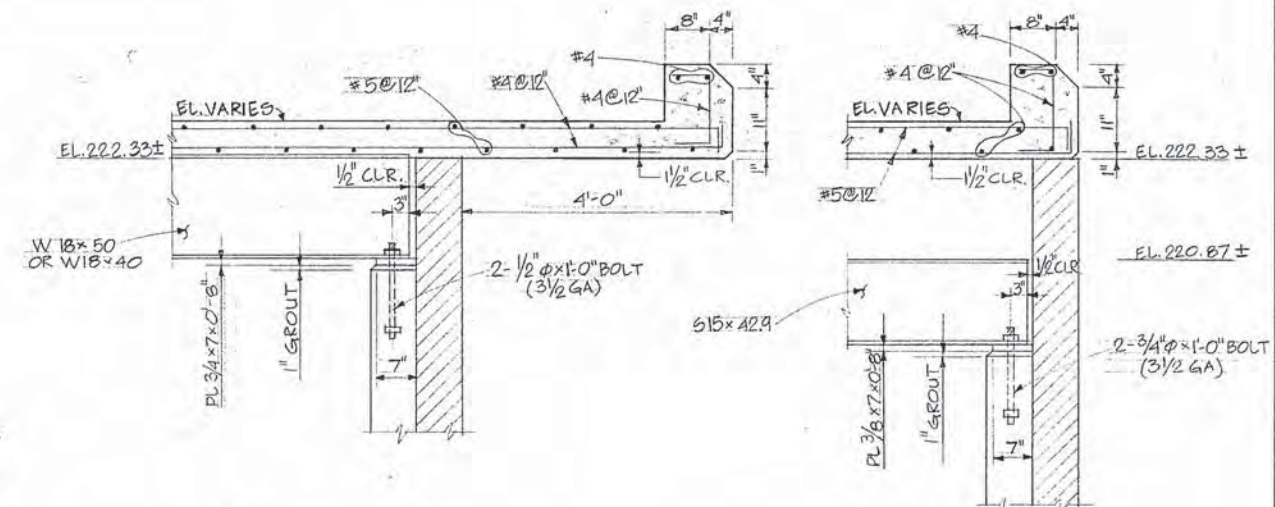


CO NO. 9 CO NO. 4		Reference Information and Notes:		Designed S.H.D. SWY	Wastewater Plant Improvements C-06-2464 Sausalito - Marin City Sanitary District		CHLORINE STORAGE BUILDING AND SAFETY EQUIPMENT BUILDING		Scale 1/4" = 1'-0"
Revised		Description		Checked S.H.D.	Submitted:		Kennedy Jenks Engineers San Francisco		Job No. 0112
Submit		App'd		Date 1-29-81	Approved:		Foundation and Grade Floor Plans, Beam Schedule		Sheet S-19
Refer to Tracing for Latest Revision									



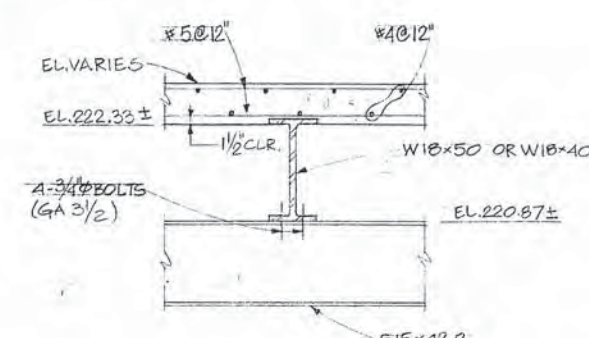
NOTE: SPLICE TOP BARS @ MIDSPAN ONLY, SPLICE BOTTOM BARS @ SUPPORTS ONLY.
LAP 1'-9" FOR #4 BARS, 2'-2" FOR #5 BARS @ SPLICE.

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

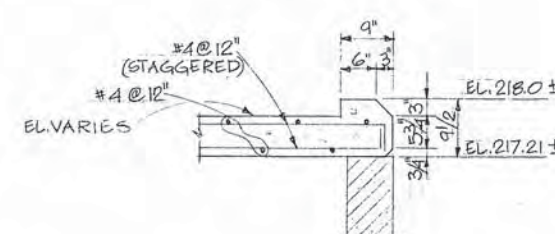


SECTION A
SCALE: 3/4" = 1'-0"

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



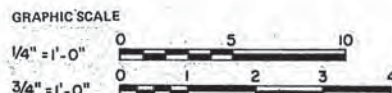
SECTION C
SCALE: 3/4" = 1'-0"



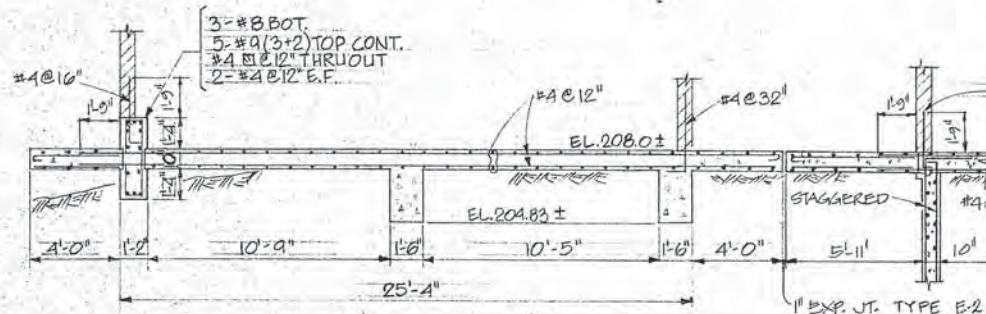
SECTION D
SCALE: 3/4" = 1'-0"

GENERAL NOTE:
GRADE FLOOR EL. OF CHLORINE STORAGE BUILDING & SAFETY EQUIPMENT BUILDING SHALL MATCH GRADE FLOOR EL. OF SO₂ STORAGE BUILDING.
ROOF ELEVATIONS OF THE NEW STRUCTURES ARE SHOWN FOR REFERENCE ONLY & SHALL BE ADJUSTED ACCORDINGLY.

Record Drawing
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks Civil is not responsible for any errors or omissions in this document as a result of information provided by others.
Dated APR 23, 1988

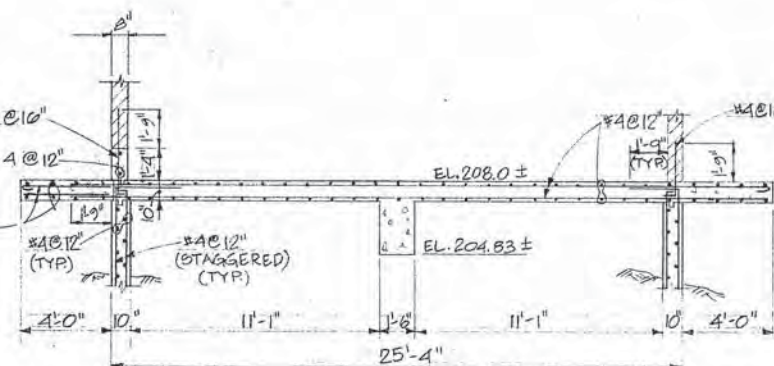


					Reference Information and Notes:					Designed S.D., SMY					Wastewater Plant Improvements C-06-2464					CHLORINE STORAGE BUILDING AND SAFETY EQUIPMENT BUILDING					Scale AS SHOWN	
										Drawn R.K.					Sausalito - Marin City Sanitary District										Job No. 0112	
										Checked S.D.					Kennedy/Jenks Engineers San Francisco					ROOF PLANS, SECTIONS					Sheet S-20	
										Submitted:					Submitted: Walter J. ... C9370					Approved: [Signature]					of	
Revised					Description					Submit.					Appr'd.					Date						
Refer to Tracing for Latest Revision																										



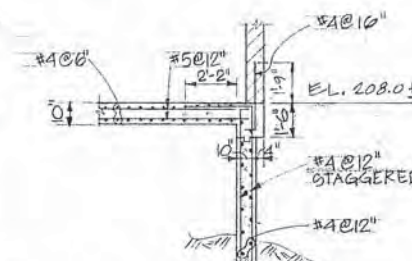
- NOTES: 1. FOR BEAM REINFORCING, SEE PLANS & BEAM SCHEDULE ON S-19
2. FOR MASONRY REINF. SEE ARCH. DWGS.
3. ALL REINF. SHOWN SHALL BE #4 @ 12" UNLESS OTHERWISE NOTED.

SECTION A
SCALE: 1/4" = 1'-0" (19/21)



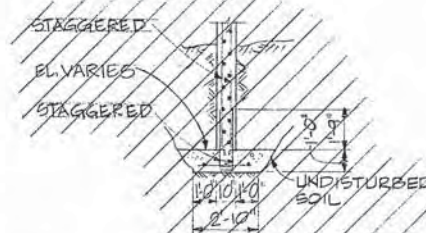
- NOTES: 1. FOR BEAM REINFORCING SEE PLANS & BEAM SCHEDULE ON S-19
2. FOR MASONRY REINFORCING SEE ARCH. DWGS.

SECTION B
SCALE: 1/4" = 1'-0" (19/21)



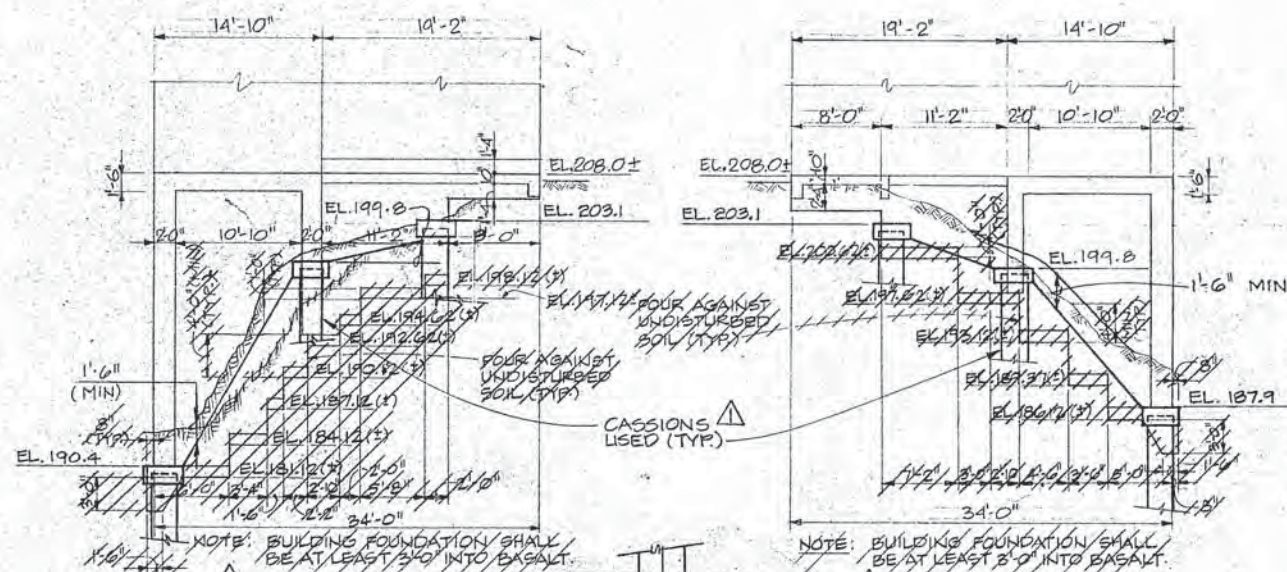
- NOTE: FOR MASONRY REINFORCING SEE ARCH. DWGS.

SECTION C
SCALE: 1/4" = 1'-0" (19/21)

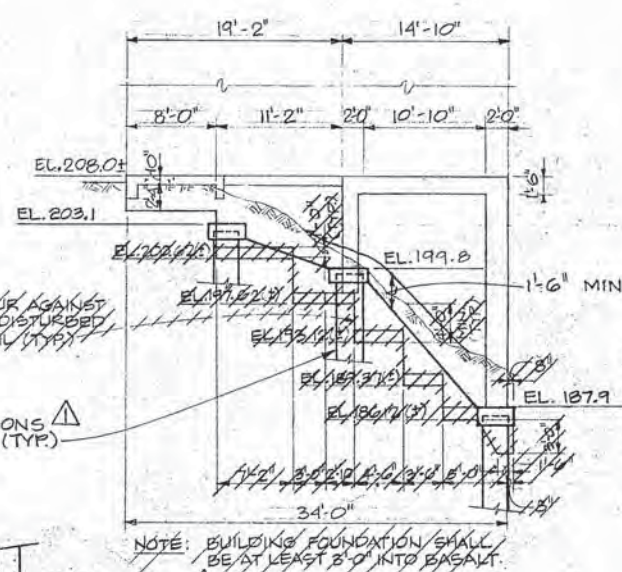


- NOTE: ALL REINF. SHOWN SHALL BE #4 @ 12"

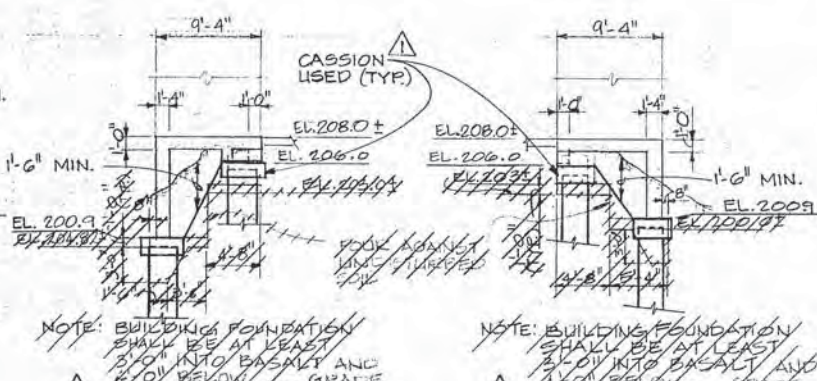
SECTION D
SCALE: 1/4" = 1'-0" (19/21)



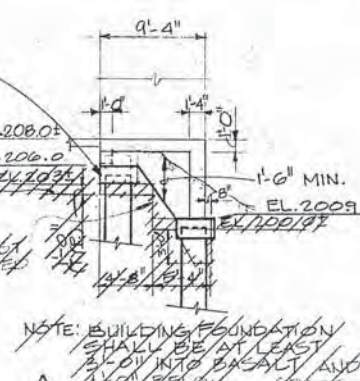
SECTION E
SCALE: 1/8" = 1'-0" (19/21)



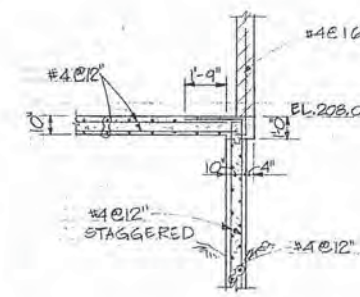
SECTION F
SCALE: 1/8" = 1'-0" (19/21)



SECTION G
SCALE: 1/8" = 1'-0" (19/21)

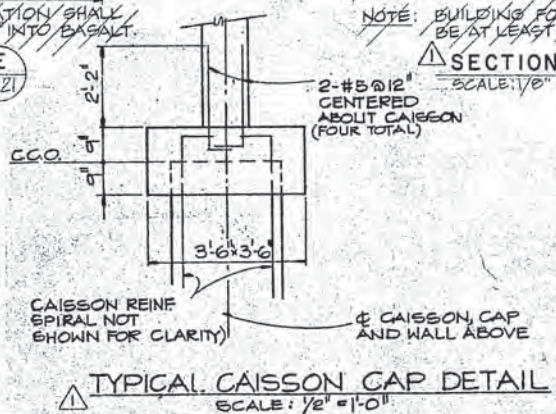


SECTION H
SCALE: 1/8" = 1'-0" (19/21)



- NOTE: FOR MASONRY REINFORCING SEE ARCH. DWGS.

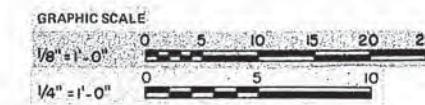
SECTION J
SCALE: 1/4" = 1'-0" (19/21)



TYPICAL CAISSON CAP DETAIL
SCALE: 1/2" = 1'-0"

TYPICAL FOOTING KEY DETAIL
SCALE: 1/4" = 1'-0"

Record Drawing
These record drawings have been prepared in part, on the basis of information compiled and furnished by others. Kennedy/Jenks/Chilton is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR 29, 1988

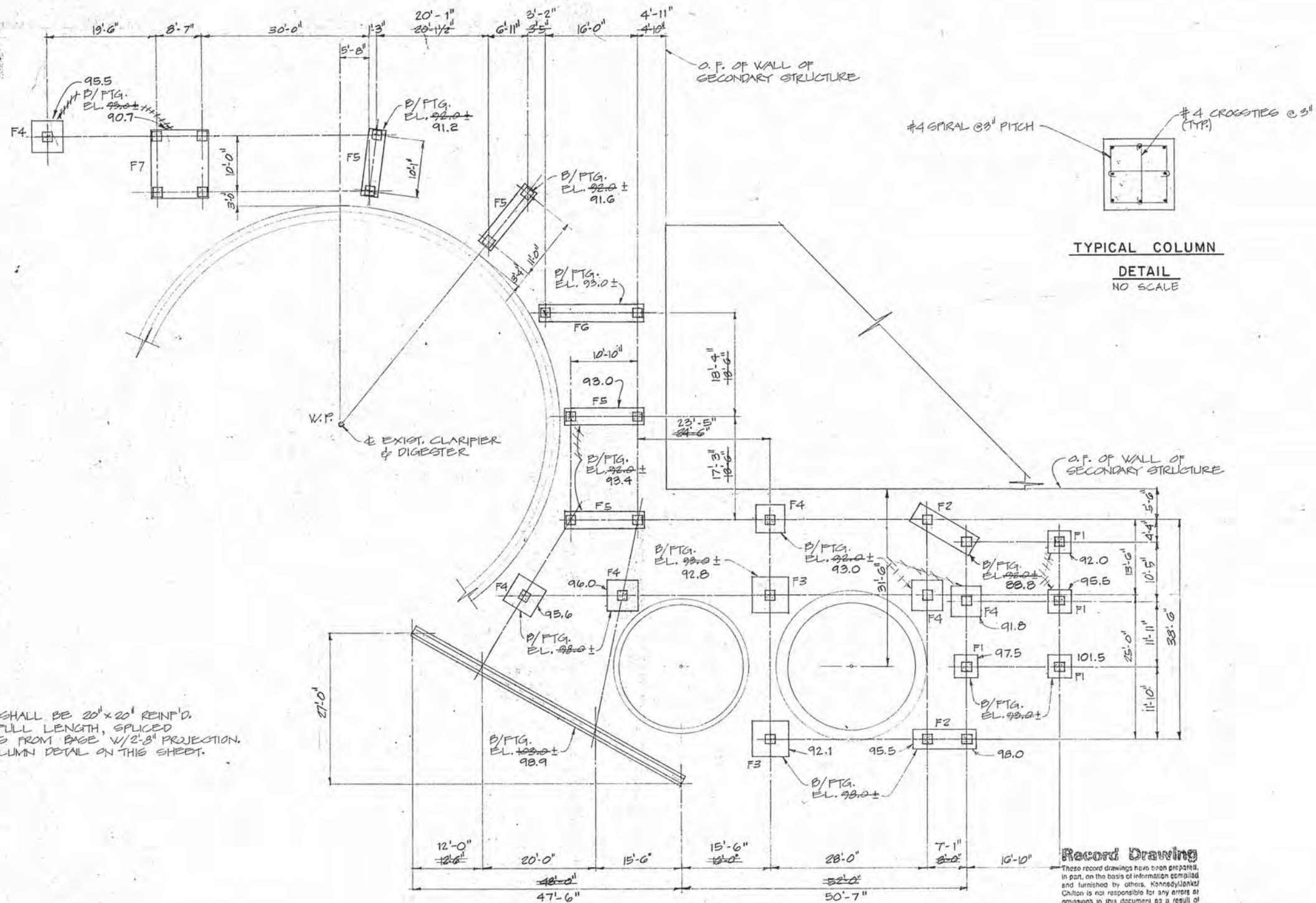


Revised	Description	Submit	App'd	Date
1	CO. NO. 4			

Reference Information and Notes:
Record Drawing
These record drawings have been prepared in part, on the basis of information compiled and furnished by others. Kennedy/Jenks/Chilton is not responsible for any errors or omissions in this document as a result of information provided by others.
Date: APR 29, 1988

Designed: S.D., SWY
Drawn: R.K.
Checked: S.D.
Date: 1-29-81
Submitted: *Walter J. Chilton* C-9370
Approved: *Robert J. Chilton*

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District
Kennedy/Jenks Engineers
San Francisco
CHLORINE STORAGE BUILDING AND SAFETY EQUIPMENT BUILDING
SECTIONS
S-21



NOTE:

ALL COLUMNS SHALL BE 20" x 20" REINFORCED WITH 1/8" #10 VERT. FULL LENGTH, SPICED 1/8" #10 BOWELS FROM BASE 1/2" x 3" PROJECTION. SEE TYPICAL COLUMN DETAIL ON THIS SHEET.

FOUNDATION PLAN
SCALE: 1" = 10'-0"

Record Drawing

These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Calton is not responsible for any errors or omissions in this document as a result of information provided by others.

Record Drawing
These record drawings have been prepared, in part, on the basis of information compiled and furnished by others. Kennedy/Jenks & Calton is not responsible for any errors or omissions in this document as a result of information provided by others.
Dated: APR. 27, 1988

GRAPHIC SCALE

0 5 10 15 20 25
1" = 10'

Revised	Description	Submit	App'd	Date
Refer to Tracing for Latest Revision				

Reference Information and Notes:

Designed
S.D., BMF
Drawn
RBC
Checked
S.D.
Date
1-19-81

Wastewater Plant Improvements C-06-2464
Sausalito - Marin City Sanitary District

Kennedy/Jenks Engineers

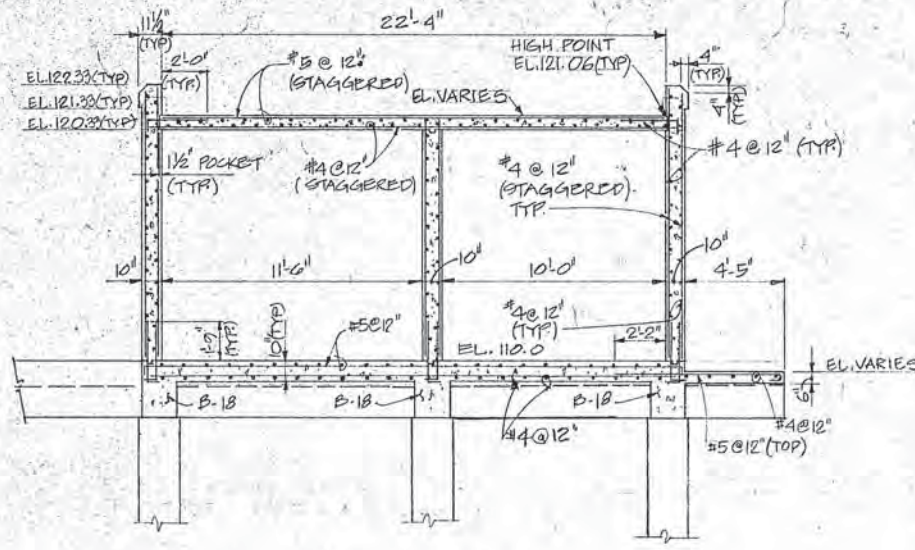
San Francisco

Submitted: *Walter J. Jenks* C9370

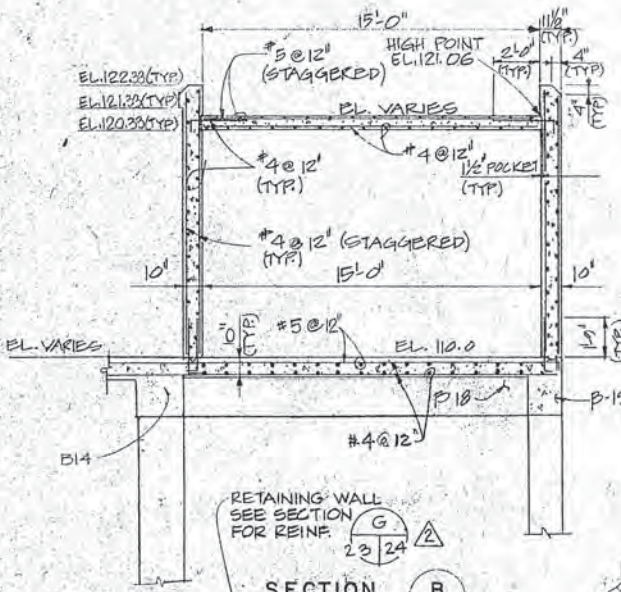
Approved: *Robert J. Calton*

**ACCESS PLATFORM
AND GENERATOR BUILDING**
FOUNDATION PLAN, DETAIL

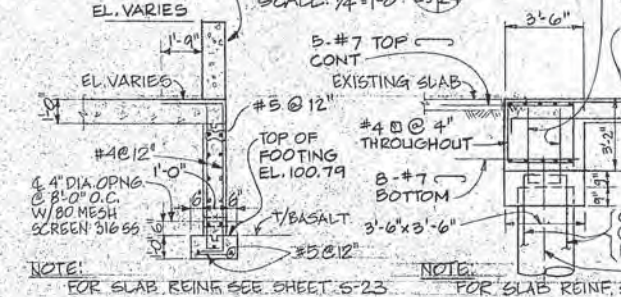
Scale: 1" = 10'-0"
Job No. 0112
Sheet
S-22
of



SECTION A
SCALE: 1/4" = 1'-0" (23/24)



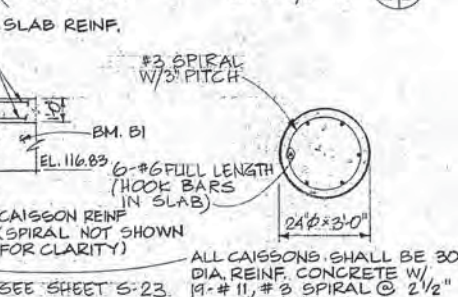
SECTION B
SCALE: 1/4" = 1'-0" (23/24)



SECTION C
SCALE: 1/2" = 1'-0" (23/24)



SECTION D
SCALE: 1/4" = 1'-0" (23/24)



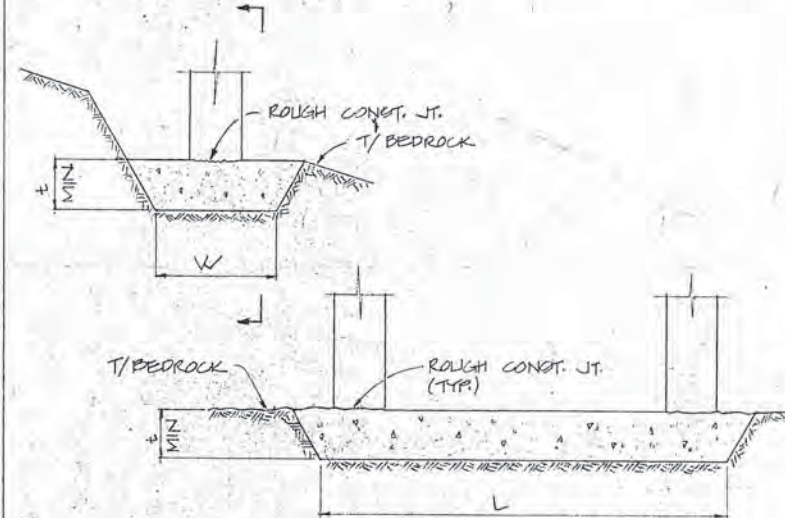
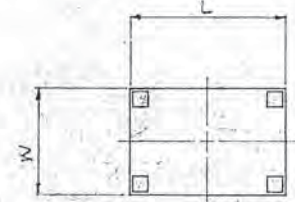
SECTION E
SCALE: 1/4" = 1'-0" (23/24)



SECTION F
SCALE: 1/2" = 1'-0" (24/24)

FOOTING SCHEDULE

MARK	SIZE			REINFORCING		REMARKS
	L	W	t	LONG WAY	SHORT WAY	
F1	5'-0"	5'-0"	2'-0"	#6 @ 12" BOT	#6 @ 12" BOT	
F2	12'-6"	4'-0"	2'-0"	#5 @ 12" BOT #7 @ 6" TOP	#6 @ 6" BOT #5 @ 12" TOP	
F3	6'-6"	6'-6"	2'-0"	#7 @ 12" BOT	#7 @ 12" BOT	
F4	5'-6"	5'-6"	2'-0"	#6 @ 12" BOT	#6 @ 12" BOT	
F5	14'-0"	3'-0"	2'-0"	#8 @ 12" BOT #9 @ 6" TOP	#7 @ 6" BOT #5 @ 12" TOP	
F6	19'-0"	3'-0"	2'-0"	#5 @ 12" BOT #9 @ 6" TOP	#7 @ 6" BOT #5 @ 12" TOP	
F7	13'-0"	10'-0"	2'-0"	#5 @ 12" BOT #7 @ 6" TOP	#7 @ 6" BOT #7 @ 6" TOP	



TYPICAL COLUMN FOUNDATION DETAIL

BEAM SCHEDULE

MARK	SIZE		REINFORCING	STIRRUPS	REMARKS
	B	D	BOT	SIZE TYPE SPACING	
B1	24	38	3-#9	#4 @ 8" THRUOUT	EXTEND 4-#9 BOT. 3'-0" INTO ADJ. BM. SOUTH
B2	24	38	4-#9	#4 @ 8" THRUOUT	
B3	24	38	3-#8	#4 @ 8" THRUOUT	EXTEND 3-#8 BOT. 3'-0" INTO ADJ. BM. NORTH
B4	24	38	3-#8	#4 @ 8" THRUOUT	EXTEND 3-#8 BOT. 3'-0" INTO ADJ. BM. NORTH
B5	20	28	3-#8	#4 @ 5" THRUOUT	EXTEND 3-#8 BOT. INTO ADJ. BM. NORTH
B6	16	24	2-#8	#4 @ 5" THRUOUT	EXTEND 2-#8 BOT. 3'-0" INTO ADJ. BM.
B7	22	32	3-#8	#4 @ 7" THRUOUT	EXTEND 2-#8 BOT. 3'-0" INTO ADJ. BM. SOUTH
B8	22	32	3-#8	#4 @ 7" THRUOUT	EXTEND 2-#8 BOT. 3'-0" INTO ADJ. BM. SOUTH
B9	22	32	2-#8	#4 @ 7" THRUOUT	
B10	22	32	3-#8	#4 @ 7" THRUOUT	
B11	22	32	6-#8	#4 @ 7" THRUOUT	EXTEND 3-#8 BOT. 3'-0" INTO ADJ. BM. EAST
B12	22	32	3-#8	#4 @ 7" THRUOUT	
B13	22	32	5-#8	#4 @ 7" THRUOUT	EXTEND 3-#8 BOT. 3'-0" INTO ADJ. BM. EAST
B14	22	32	3-#8	#4 @ 7" THRUOUT	EXTEND 1-#8 BOT. 3'-0" INTO ADJ. BM.
B15	22	32	3-#8	#4 @ 7" THRUOUT	EXTEND 2-#8 BOT. 3'-0" INTO ADJ. BM. WEST. EXTEND 3-#8 TOP 3'-0" INTO ADJ. BM.
B16	22	32	3-#8	#4 @ 7" THRUOUT	EXTEND 3-#8 TOP 3'-0" & 2-#8 BOT. 3'-0" INTO ADJ. BM. EAST
B17	22	32	3-#8	#4 @ 7" THRUOUT	EXTEND 3-#8 BOT. 3'-0" INTO ADJ. BM.
B18	20	32	5-#8	#4 @ 7" THRUOUT	
B19	20	32	2-#8	#4 @ 7" THRUOUT	EXTEND BOT BARS 2'-0" INTO ADJ. BM.

NOTES:
1) STAGGER REINF.
2) FOR DETAILS OF METAL RAILING SEE ARCH. DWGS.

SECTION G
SCALE: 1/2" = 1'-0" (23/24)



RECORD DRAWING

Reference Information and Notes: C.O. NO. 23 C.O. NO. 2		Record Drawing Wastewater Plant Improvements Sausalito - Marin City Sanitary District		C-06-2464 Kennedy/Jenks Engineers San Francisco		ACCESS PLATFORM AND GENERATOR BUILDING SECTIONS, DETAILS AND SCHEDULES		Scale AS SHOWN Job No. 0112 Sheet S-24
Revised 1-29-81	Submitted Walter J. Hanna	Checked S.D.	Drawn RBC	Designed B.M.F., S.D.	Submitted Walter J. Hanna	Checked S.D.	Drawn RBC	Designed B.M.F., S.D.