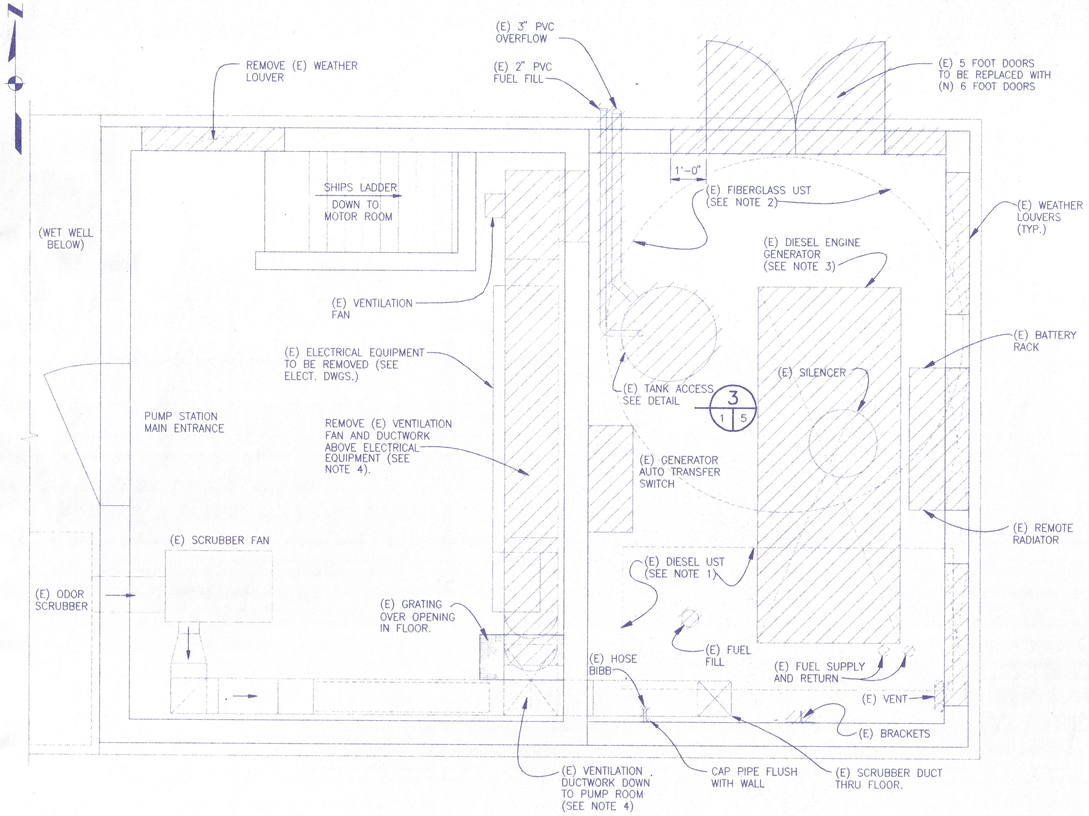
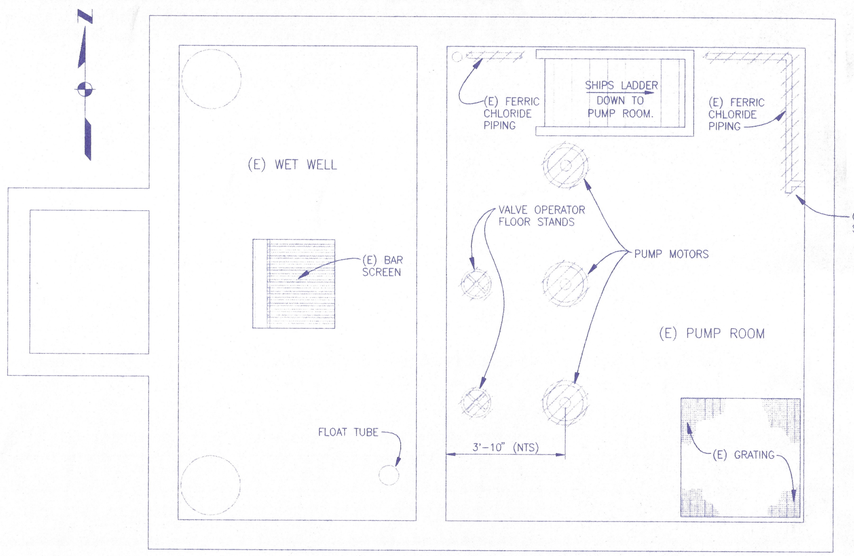


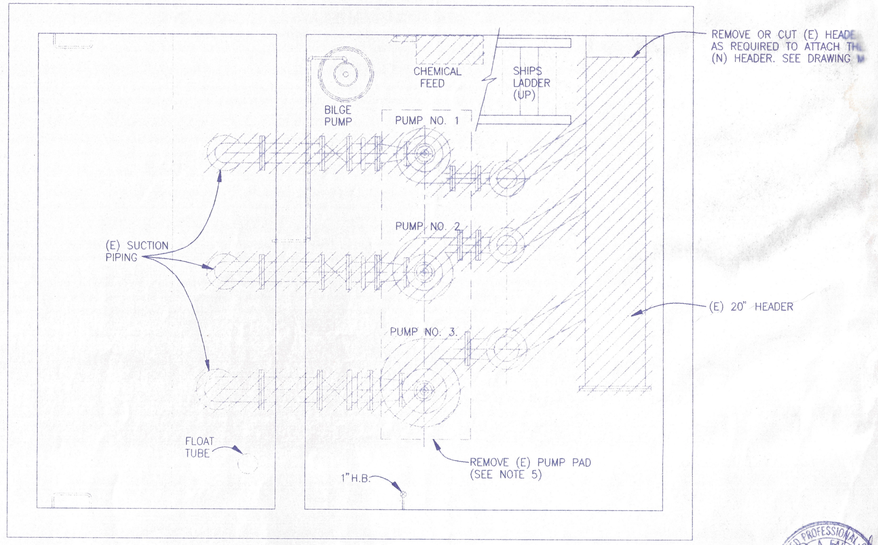
ELECTRIC AND ENGINE GENERATOR ROOM FLOOR PLAN

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



BAR SCREEN DECK & MOTOR ROOM FLOOR PLAN

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



PUMP ROOM FLOOR PLAN

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

NOTES:

1. DIESEL UNDERGROUND STORAGE TANK (UST) SHALL BE CLOSED IN PLACE IN ACCORDANCE WITH SPECIFICATION SECTION 02071.
2. FIBERGLASS UST SHALL BE UPGRADED TO HOLD DIESEL FUEL IN ACCORDANCE WITH SPECIFICATION SECTION 13200 AND DRAWINGS.
3. REMOVE ENGINE GENERATOR SYSTEM AND DELIVER TO THE DISTRICT OR DEMOLISH IN ACCORDANCE WITH SPECIFICATION SECTION 02050. ENGINE GENERATOR SYSTEM INCLUDES, BUT IS NOT LIMITED TO, THE ENGINE GENERATOR, REMOTE RADIATOR, SILENCER, BATTERY RACK, GENERATOR EXHAUST PIPE AND SUPPORTS, AND ASSOCIATED PIPING AND ACCESSORIES.
4. REMOVE VENTILATION FAN AND DUCTWORK EXTENDING DOWN TO THE PUMP ROOM THROUGH THE GRATING TO ALLOW FOR REMOVAL OF PUMPS AND MOTORS FROM THE ROOMS BELOW. THE DUCTWORK SHALL BE REINSTALLED WITH NEW EQUIPMENT AS SHOWN ON DRAWING FOLLOWING INSTALLATION OF NEW PUMPS.
5. (E) CONCRETE PUMP PAD SHALL BE DEMOLISHED. SEE DRAWING M-3 FOR NEW EQUIPMENT PAD.

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NO.	REVISION	DATE	BY

SCALES: 0 — 1" ; 0 — 25mm

IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

DESIGNED	JAF
DRAWN	JT
CHECKED	JAF

SAUSALITO-MARIN CITY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA
BEACH FORCE MAIN REPLACEMENT

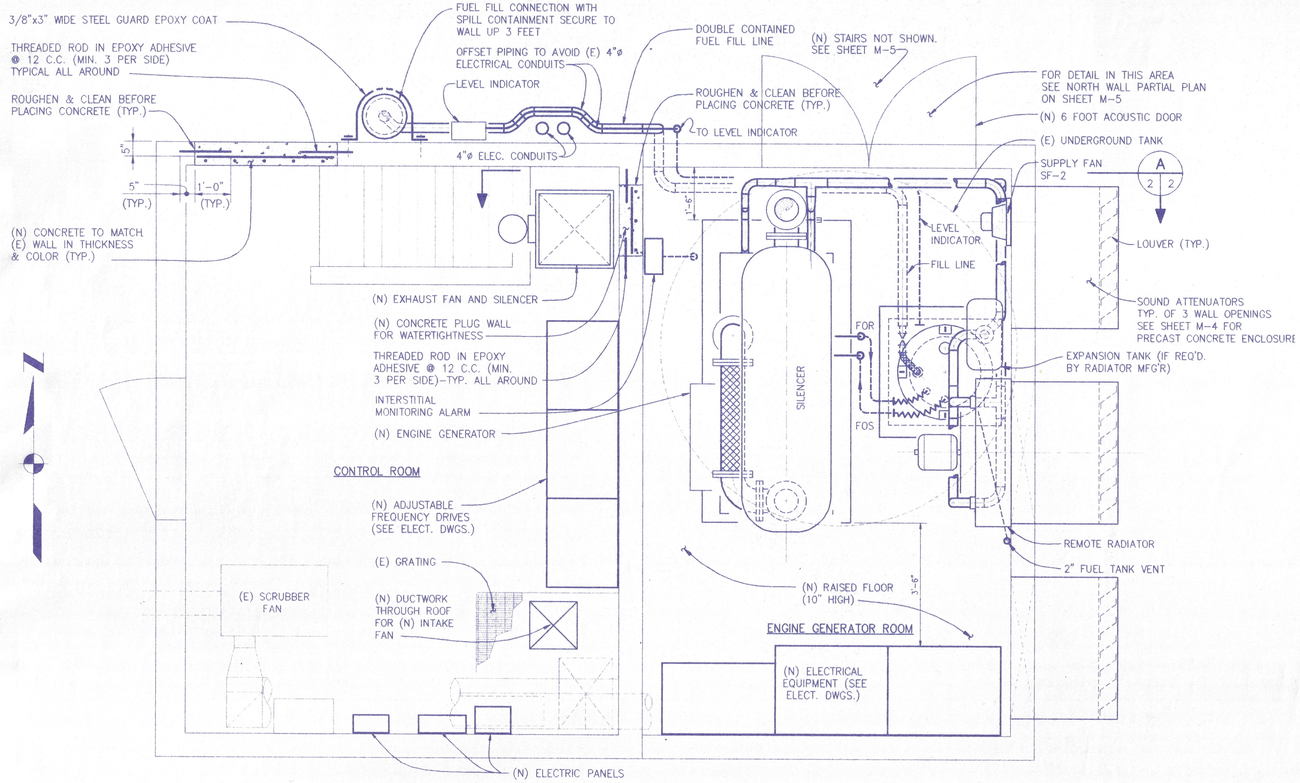
Kennedy/Jenks Consultants
MARATHON PLAZA, 303 SECOND STREET, 10TH FLR NORTH, SAN FRANCISCO, CALIFORNIA 94107

MAIN STREET PUMP STATION
DEMOLITION PLANS

DWG. NO.	M-1
JOB NO.	960505.02
DATE	3-5-97
SHEET	M-1 OF

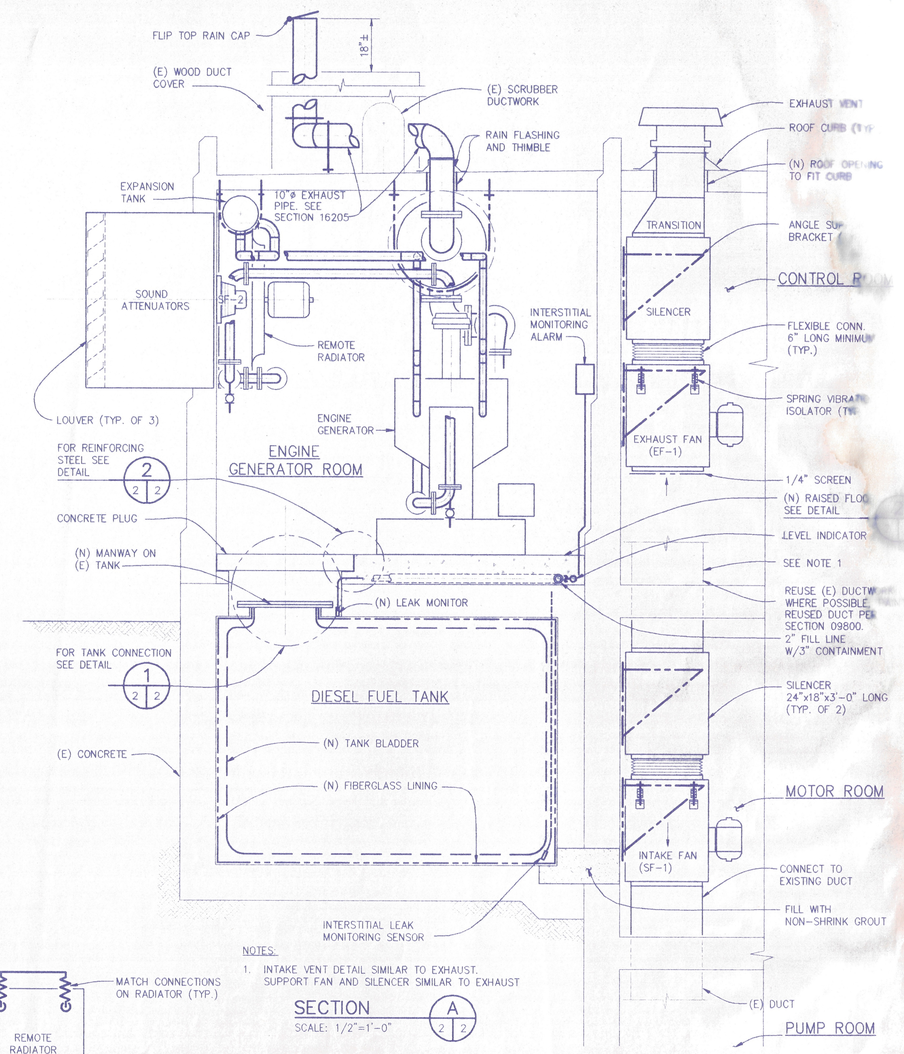
REGISTERED PROFESSIONAL ENGINEER — JOHN A. FRANCIS — No. 36617 — EXP. 3-31-97 — CIVIL — STATE OF CALIFORNIA

0 2 4 8
3/8"=1'-0"



MAIN STREET PUMP STATION-ENGINE GENERATOR AND CONTROL ROOM PLAN

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



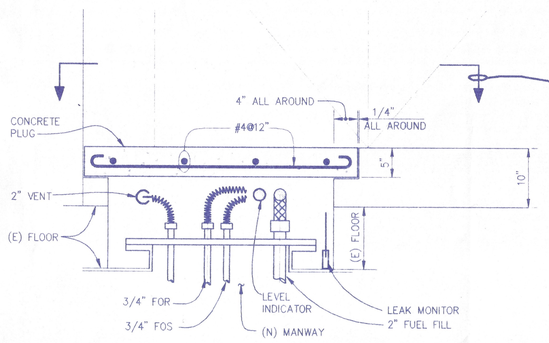
NOTES:

1. INTAKE VENT DETAIL SIMILAR TO EXHAUST. SUPPORT FAN AND SILENCER SIMILAR TO EXHAUST

SECTION

A 2 2

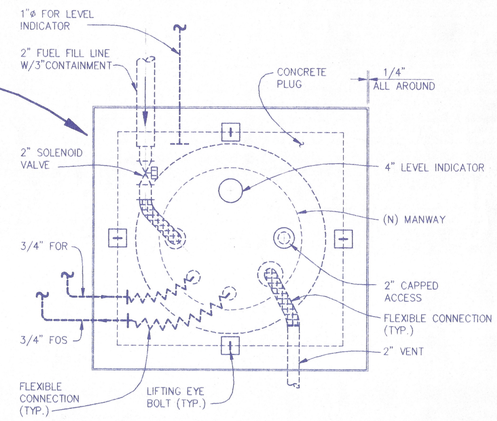
SCALE: 1/2"=1'-0"

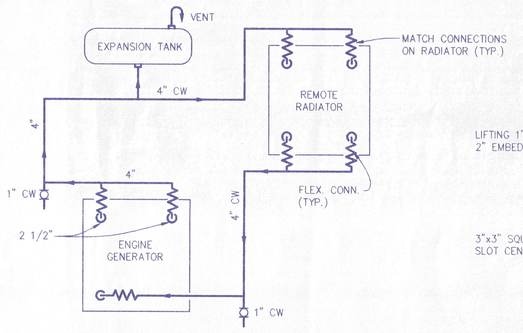


DETAIL

1 2 2

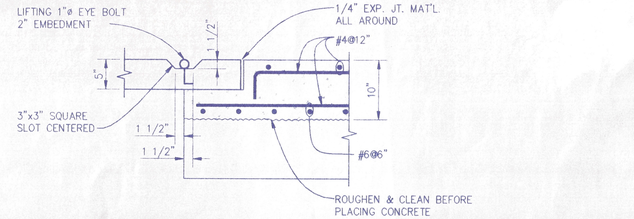
SCALE: 1"=1'-0"





RADIATOR COOLING SYSTEM

SCALE: NONE



DETAIL

2 2 2

SCALE: NONE

0 2 4 8
3/8"=1'-0"
0 1 2 3 4 6
1/2"=1'-0"

REGISTERED PROFESSIONAL ENGINEER No. 34617 EXP. 12-31-98 CIVIL STATE OF CALIFORNIA

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NO.	REVISION	DATE	BY

SCALES

0 ——— 1"

0 ——— 25mm

IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

DESIGNED	JAF
DRAWN	JT
CHECKED	JAF

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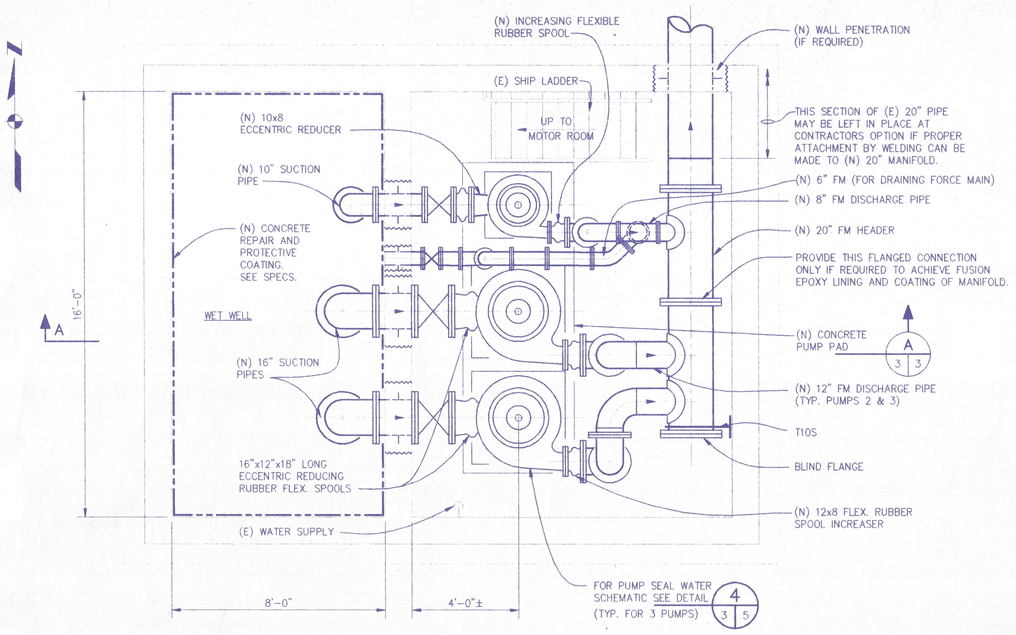
MARIN COUNTY, CALIFORNIA
BEACH FORCE MAIN REPLACEMENT
Kennedy/Jenks Consultants
MARATHON PLAZA, 303 SECOND STREET, 10TH FLR NORTH, SAN FRANCISCO, CALIFORNIA 94107

MAIN STREET PUMP STATION MODIFICATIONS PLANS AND SECTIONS

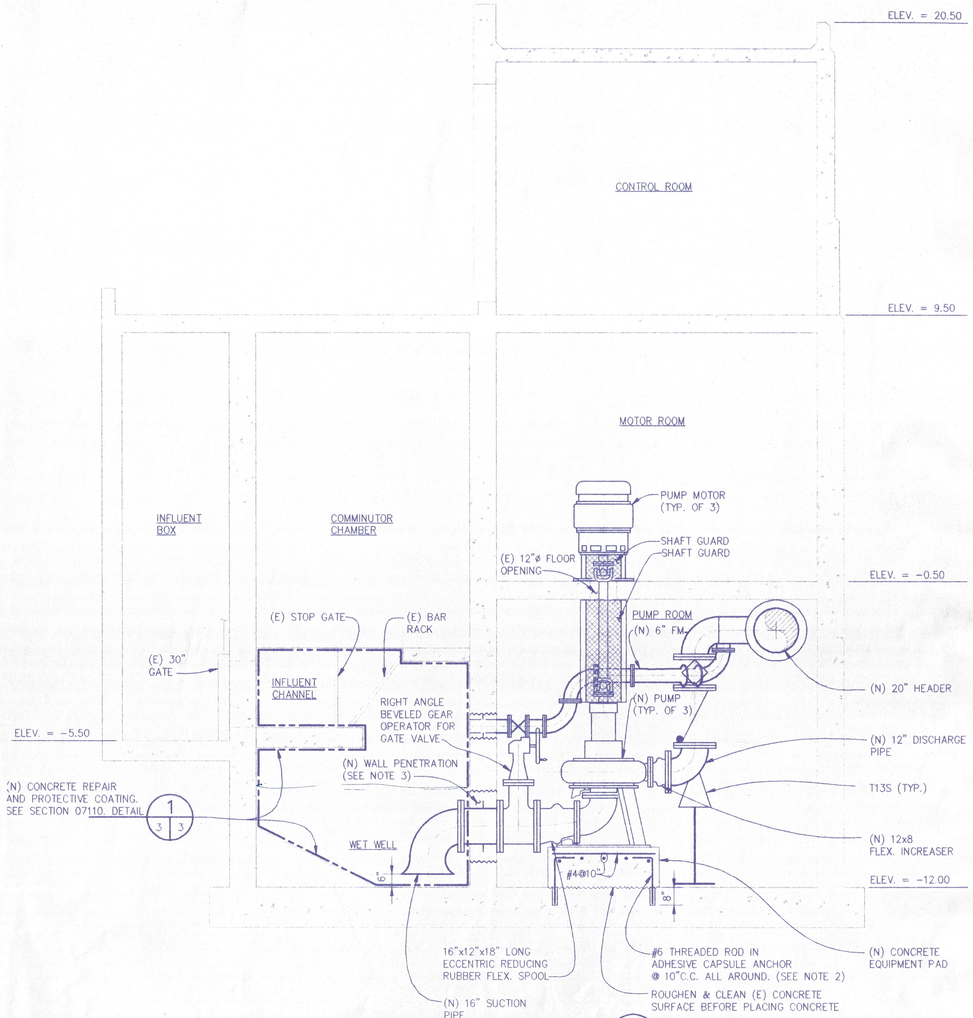
DWG. NO.	M-2
JOB NO.	960505.02
DATE	3-5-97
SHEET	M-2 OF

N:\960505.02\M-2



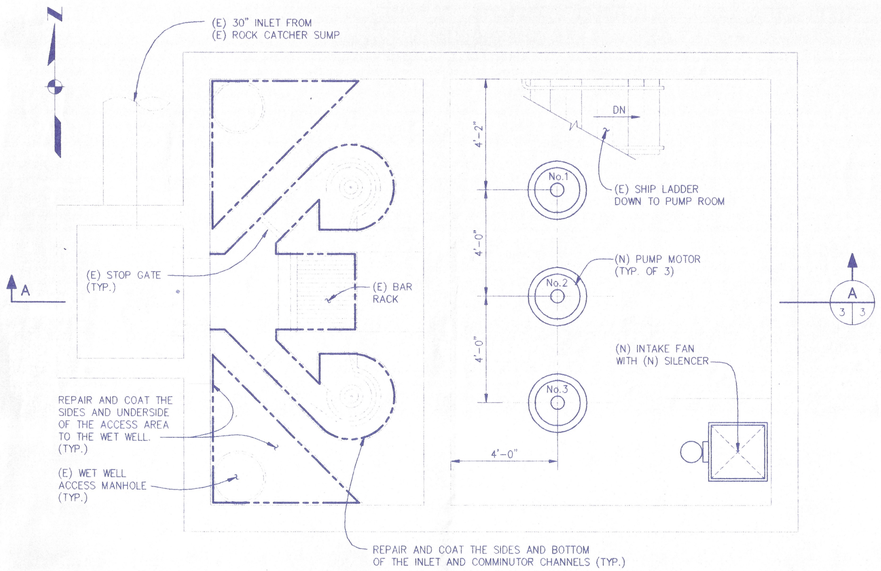
MAIN STREET PUMP STATION–PUMP ROOM PLAN

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



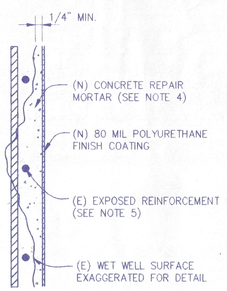
SECTION

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



MAIN STREET PUMP STATION–MOTOR ROOM PLAN

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



CONCRETE REPAIR AND PROTECTIVE COATING DETAIL 1 3 3

SCALE: NONE

NOTES:

1. THE CONTRACTOR SHALL SUBMIT DETAILED DRAWINGS SHOWING THAT THE PROPOSED EQUIPMENT, VALVES AND PIPING, FIT IN THE PUMP ROOM. PERFORM FIELD MEASUREMENTS OF EXISTING STRUCTURE, EQUIPMENT, OPENINGS, ETC. COORDINATE PROPOSED INSTALLATION ARRANGEMENT AND DIMENSIONS WITH MANUFACTURERS OF PUMPS, MOTORS, PIPING AND VALVES.
2. REMOVE EXISTING EQUIPMENT PAD. EXPOSE DOWELS WITHIN THE NEW EQUIPMENT PADS TO REMAIN. OTHERWISE CUT DOWEL 1" INTO SLAB AND PATCH WITH GROUT.
3. INSTALL (N) WALL PENETRATION WITH NON-SHRINK GROUT (TYP.)
4. THE (N) CONCRETE REPAIR MORTAR SHALL BE TROWELLED TO A SMOOTH, FLAT SURFACE WITH A MINIMUM THICKNESS OF 1/4-INCH.
5. CHIP AROUND ANY EXPOSED REINFORCEMENT TO SOUND CONCRETE AND THEN PATCH WITH THE CONCRETE REPAIR MORTAR AS REQUIRED TO COVER REINFORCING FLUSH WITH EXISTING WALL SURFACE. THEN APPLY 1/4" MIN. OVERLAY PER NOTE 4.

REGISTERED PROFESSIONAL ENGINEER JAMES F. JENKS No. 34617 Exp. 12-31-97 CIVIL STATE OF CALIFORNIA

0 2 4 8
3/8"=1'-0"

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NO.	REVISION	DATE	BY

SCALES
0 1"
0 25mm
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DESIGNED JAF
DRAWN JT/NEB
CHECKED JAF

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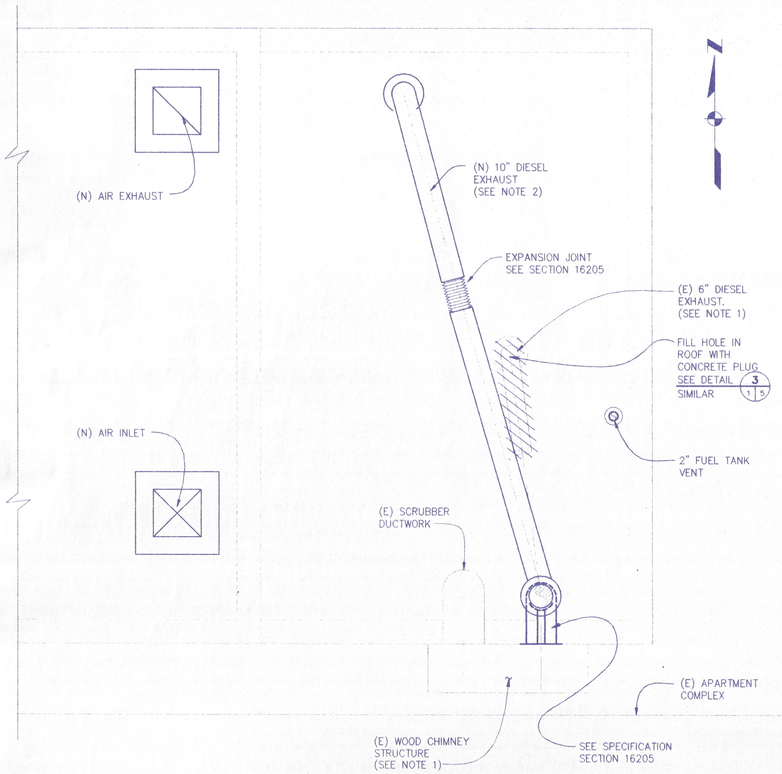
MARIN COUNTY, CALIFORNIA
BEACH FORCE MAIN REPLACEMENT
Kennedy/Jenks Consultants
MARATHON PLAZA, 303 SECOND STREET, 10TH FLR NORTH, SAN FRANCISCO, CALIFORNIA 94107

MAIN STREET PUMP STATION MODIFICATIONS PLANS & SECTION

DWG. NO. M-3
JOB NO. 960505.02
DATE 3-5-97
SHEET OF
M-3

N:\960505.02\M-3

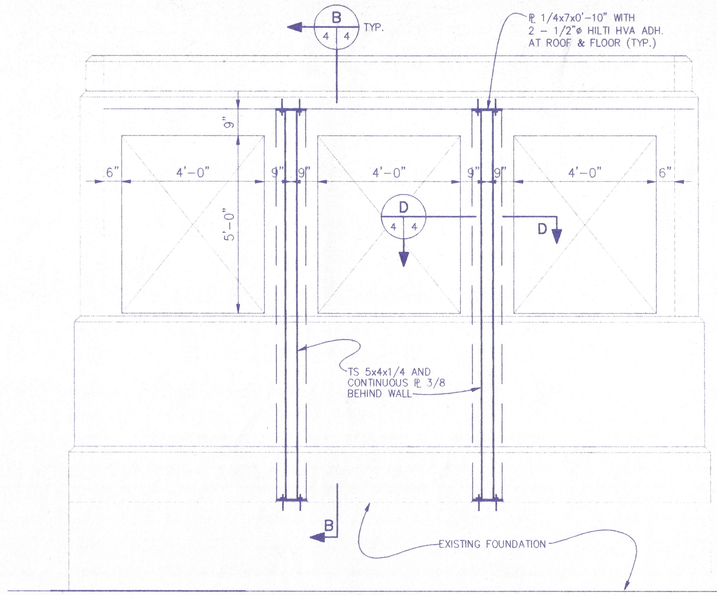


MAIN STREET PUMP STATION–ROOF PLAN

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

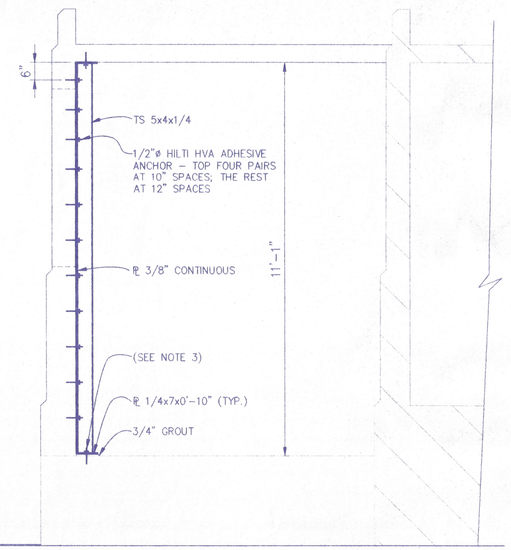
NOTES:

1. REMOVE (E) DIESEL EXHAUST WHICH TRAVELS UP THE OUTSIDE (E) WOOD CHIMNEY STRUCTURE APPROXIMATELY 20 FEET.
2. (N) DIESEL EXHAUST TO TRAVEL UP THE OUTSIDE OF THE (E) WOOD CHIMNEY AND TERMINATE WITH A FLIP TOP RAIN CAP. SEE SECTION A ON SHEET M-2.
3. IF PRECAST ENCLOSURES FOR SOUND ATTENUATORS ARE INSTALLED BEFORE THE NEW FLOOR, THE STEEL WALL BRACES SHALL BE INSTALLED AND BOLTED TO EXISTING FOUNDATION. OTHERWISE, THE STEEL BRACES MAY BE BOLTED TO THE NEW FLOOR.
4. CONTRACTOR SHALL VERIFY OPENING DIMENSIONS PRIOR TO PRECASTING ENCLOSURE TO ALLOW APPROXIMATELY 1/4" SPACE BETWEEN THE SOUND ATTENUATORS AND THE CONCRETE ENCLOSURE. CAULK BETWEEN THE SOUND ATTENUATORS AND THE CONCRETE ENCLOSURE AT EACH END.



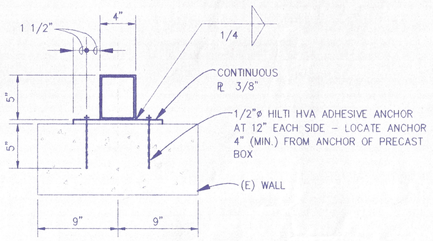
C 4 4 EAST WALL ELEVATION

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



B 4 4 SECTION

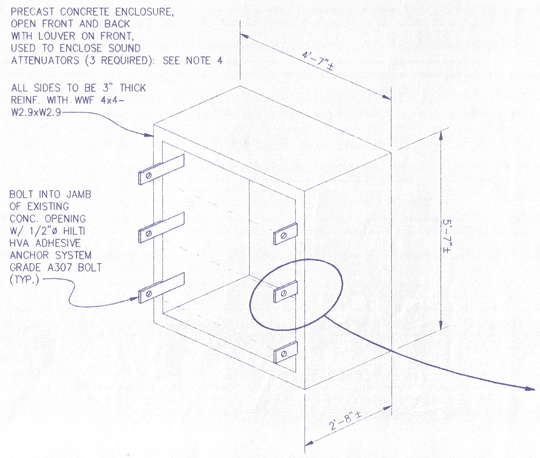
SCALE: 3/8"=1'-0"



NOTE: DO NOT CUT (E) REINF.

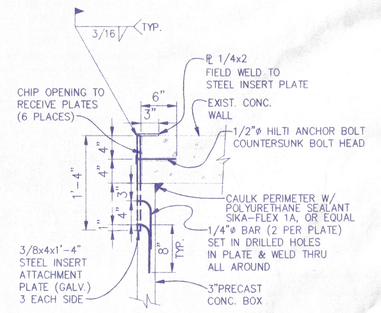
D 4 4 SECTION

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



ENCLOSURE FOR SOUND ATTENUATORS

NO SCALE



CONNECTION DETAIL

NO SCALE

REGISTERED PROFESSIONAL ENGINEER No. 34613 CIVIL STATE OF CALIFORNIA

0 1 2 3 4
3/4"=1'-0"

0 1 2 3 4 6
1/2"=1'-0"

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NO.	REVISION	DATE	BY

SCALES
0 1"
0 25mm
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DESIGNED JAF
DRAWN JT
CHECKED JAF

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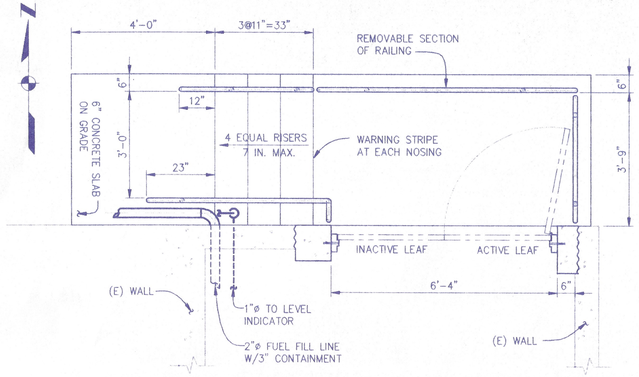
MARIN COUNTY, CALIFORNIA
BEACH FORCE MAIN REPLACEMENT
Kennedy/Jenks Consultants
MARATHON PLAZA, 303 SECOND STREET, 10TH FLR NORTH, SAN FRANCISCO, CALIFORNIA 94107

MAIN STREET PUMP STATION PLAN, SECTIONS AND DETAILS

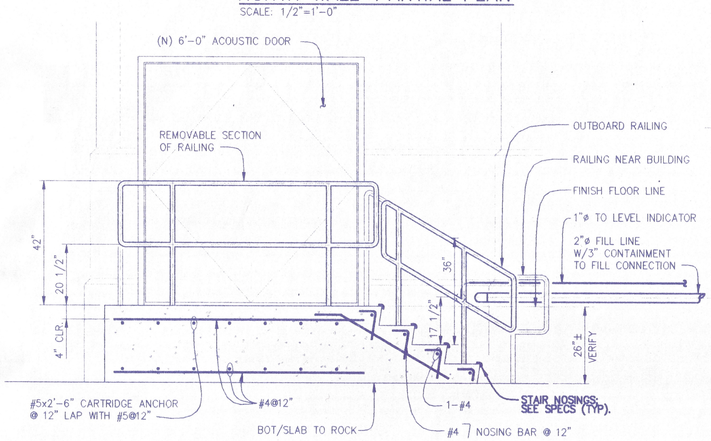
DWG. NO. M-4
JOB NO. 960505.02
DATE 3-5-97
SHEET OF M-4

N:\96\960505.02\M-4



NORTH WALL–PARTIAL PLAN

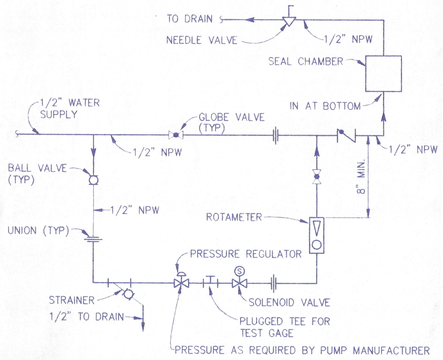
SCALE: 1/2"=1'-0"



NOTES: REINFORCING SHOWN IN SECTION VIEW.

NORTH WALL–ELEVATION

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



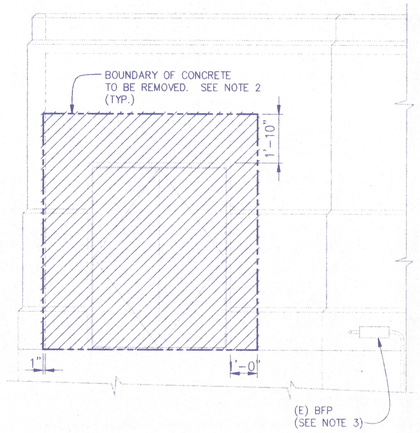
PUMP SEAL WATER SCHEMATIC DETAIL

4 / 3 | 5

N.T.S.

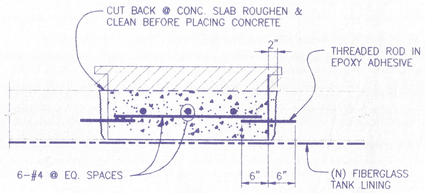
NOTES:

1. ROUGHEN & CLEAN BEFORE PLACING NEW CONCRETE.
2. REMOVE (E) CONCRETE AND (E) DOOR ASSEMBLY AND CONSTRUCT (N) DOOR OPENING. CONCRETE FINISH TO MATCH (E) CONCRETE SURFACE.
3. RELOCATE (E) BACKFLOW PREVENTER TO THE OTHER SIDE OF THE ELECTRICAL SERVICE BOX AS NOT TO BLOCK OR INTERFERE WITH THE (N) STAIRS ACCESS.



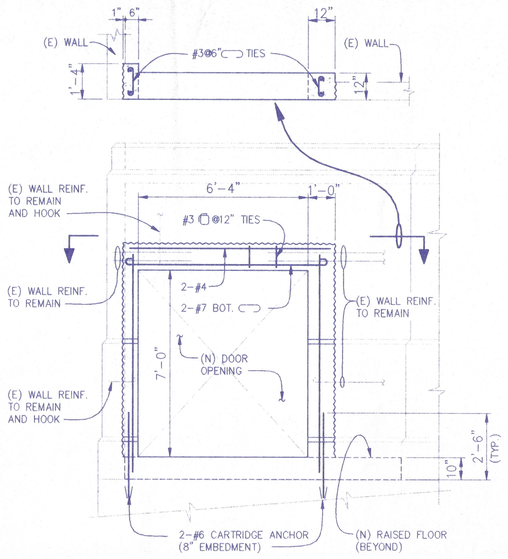
NORTH WALL–DEMOLITION

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



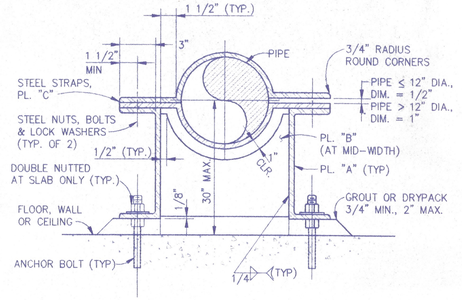
DETAIL 3 / 1 | 5

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



NORTH WALL–MODIFICATION

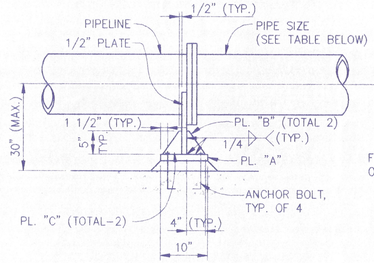
SCALE: 3/8"=1'-0"



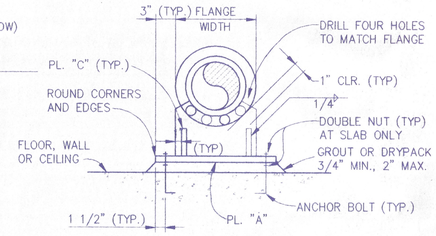
SUPPORT T11S			PIPE SIZE	ANCHOR BOLTS NUMBER & SIZE	STRAP BOLTS
MEMBERS					
PL. "A"	PL. "B"	PL. "C"			
3/8" X 6"	1/4"	3/8" X 6"	<12"	2-5/8"	1"
3/8" X 12"	3/8"	3/8" X 12"	≥12"<20"	4-3/4"	1 3/8"
3/4" X 12"	1/2"	1/2" X 12"	≥20"≤30"	4-3/4" @ FLOOR 4-7/8" @ WALL & CEILING	1 5/8"

TYPE 11 SUPPORT (T11S)

N.T.S. (SEISMIC RESTRAINT)



SIDE VIEW

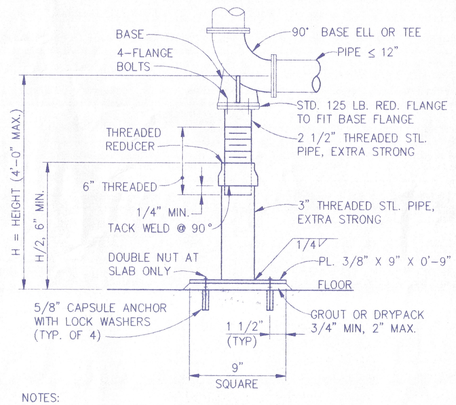


END VIEW

SUPPORT (T10S)				ANCHOR BOLT	REMARKS
PIPE SIZE	MEMBERS				
	PL. "A"	PL. "B"	PL. "C"		
≤12"	1/2"	–	–	3/4"	PL. "B" & "C" NOT REQ'D.
>12" ≤ 16"	1/2"	3/8"	–	3/4"	PL. "C" NOT REQ'D.
>16" ≤ 24"	3/4"	3/8"	3/8"	7/8"	–
>24" ≤ 30"	7/8"	3/8"	3/8"	7/8"	–

TYPE 10 SUPPORT (T10S)

N.T.S. (SEISMIC RESTRAINT)

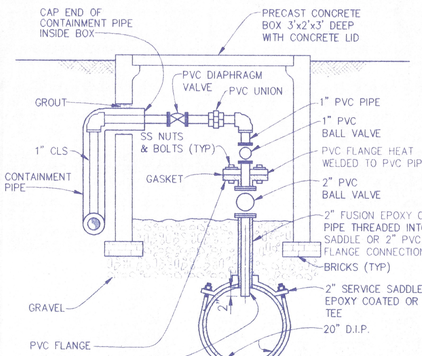


NOTES:

1. AS AN ALTERNATE, IF ADJUSTMENT IS NOT NECESSARY, DELETE 2 1/2" STEEL PIPE AND SCREW 3" STEEL PIPE DIRECTLY TO REDUCING FLANGE.
2. DO NOT CUT OR WELD AFTER GALVANIZING.

TYPE 13 SUPPORT (T13S)

N.T.S. (SEISMIC RESTRAINT)



NOTE: ALL PVC SHALL BE SCHEDULE 80.

HYPOCHLORITE NOZZLE DETAIL 2 / C5 | M5

NO SCALE

0 2 4 8
3/8"=1'-0"
0 1 2 3 4 6
1/2"=1'-0"
0 1 2 3 4
3/4"=1'-0"

REGISTERED PROFESSIONAL ENGINEER No. 34817 Exp. 12-31-97 CIVIL STATE OF CALIFORNIA

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NO.	REVISION	DATE	BY

SCALES: 0 — 1" ; 0 — 25mm. IF THIS BAR IS NOT DIMENSION SHOWN, ADJUST SCALES ACCORDINGLY.

DESIGNED JAF
DRAWN NEB
CHECKED JAF

SAUSALITO-MARIN CITY SANITARY DISTRICT
MARIN COUNTY, CALIFORNIA
BEACH FORCE MAIN REPLACEMENT
Kennedy/Jenks Consultants
MARATHON PLAZA, 303 SECOND STREET, 10TH FLR NORTH, SAN FRANCISCO, CALIFORNIA 94107

MAIN STREET PUMP STATION MISCELLANEOUS DETAILS

DWG. NO. M-5
JOB NO. 960505.02
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