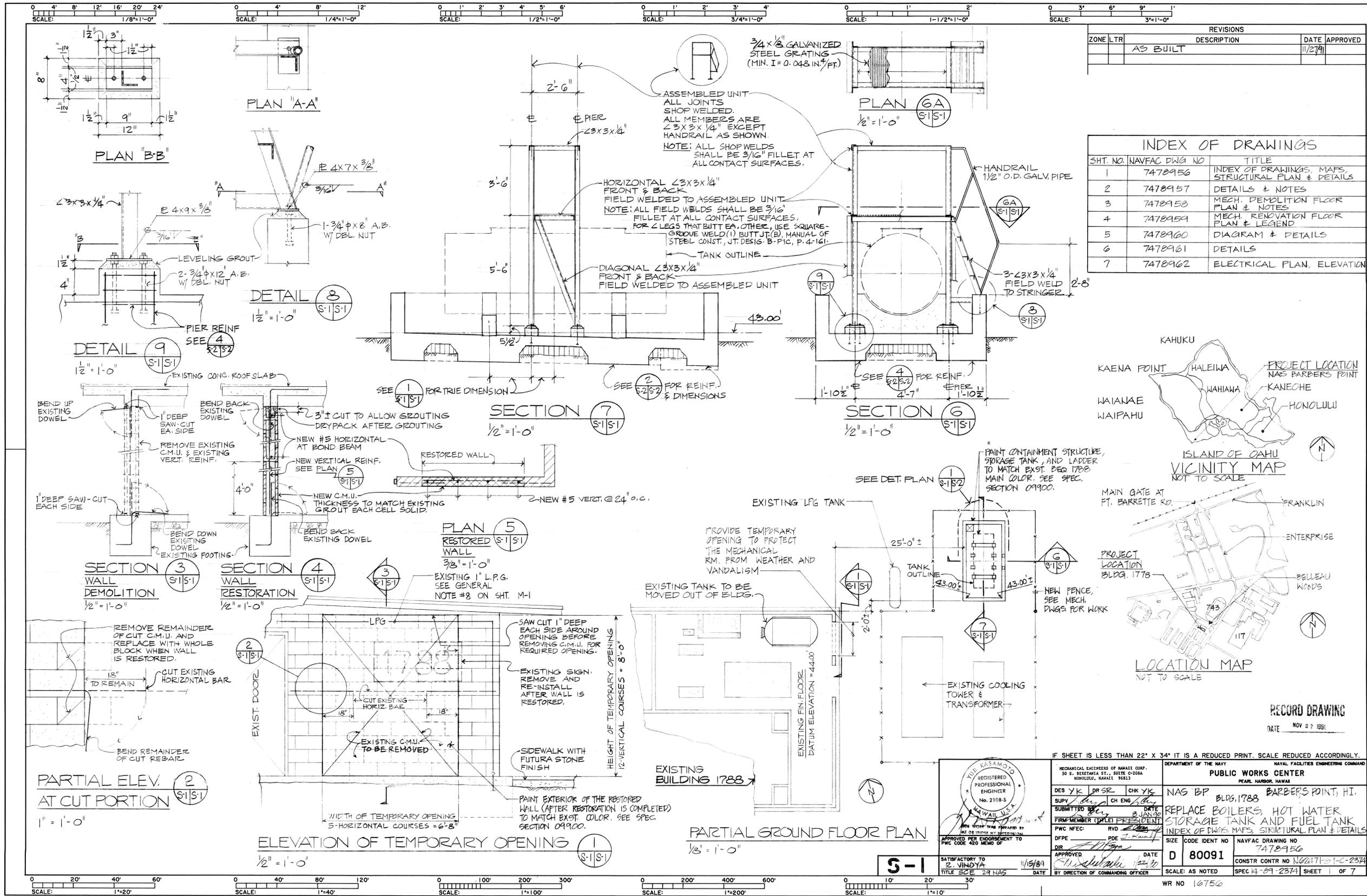


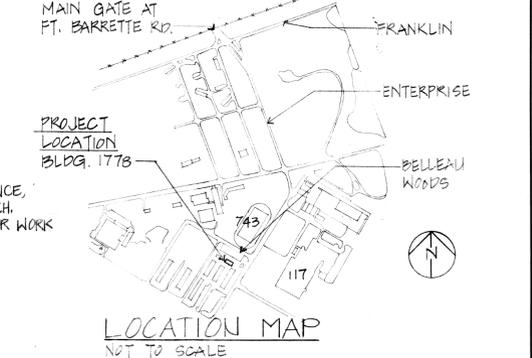
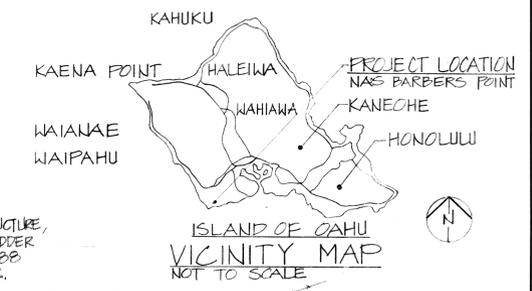
7478956

Bldg. 1788
1 of 7



REVISIONS			
ZONE	LTR	DESCRIPTION	DATE
		AS BUILT	11/27/91

INDEX OF DRAWINGS		
SHT. NO.	NAVFAC DWG. NO.	TITLE
1	7478956	INDEX OF DRAWINGS, MAPS, STRUCTURAL PLAN & DETAILS
2	7478957	DETAILS & NOTES
3	7478958	MECH. DEMOLITION FLOOR PLAN & NOTES
4	7478959	MECH. RENOVATION FLOOR PLAN & LEGEND
5	7478960	DIAGRAM & DETAILS
6	7478961	DETAILS
7	7478962	ELECTRICAL PLAN, ELEVATION



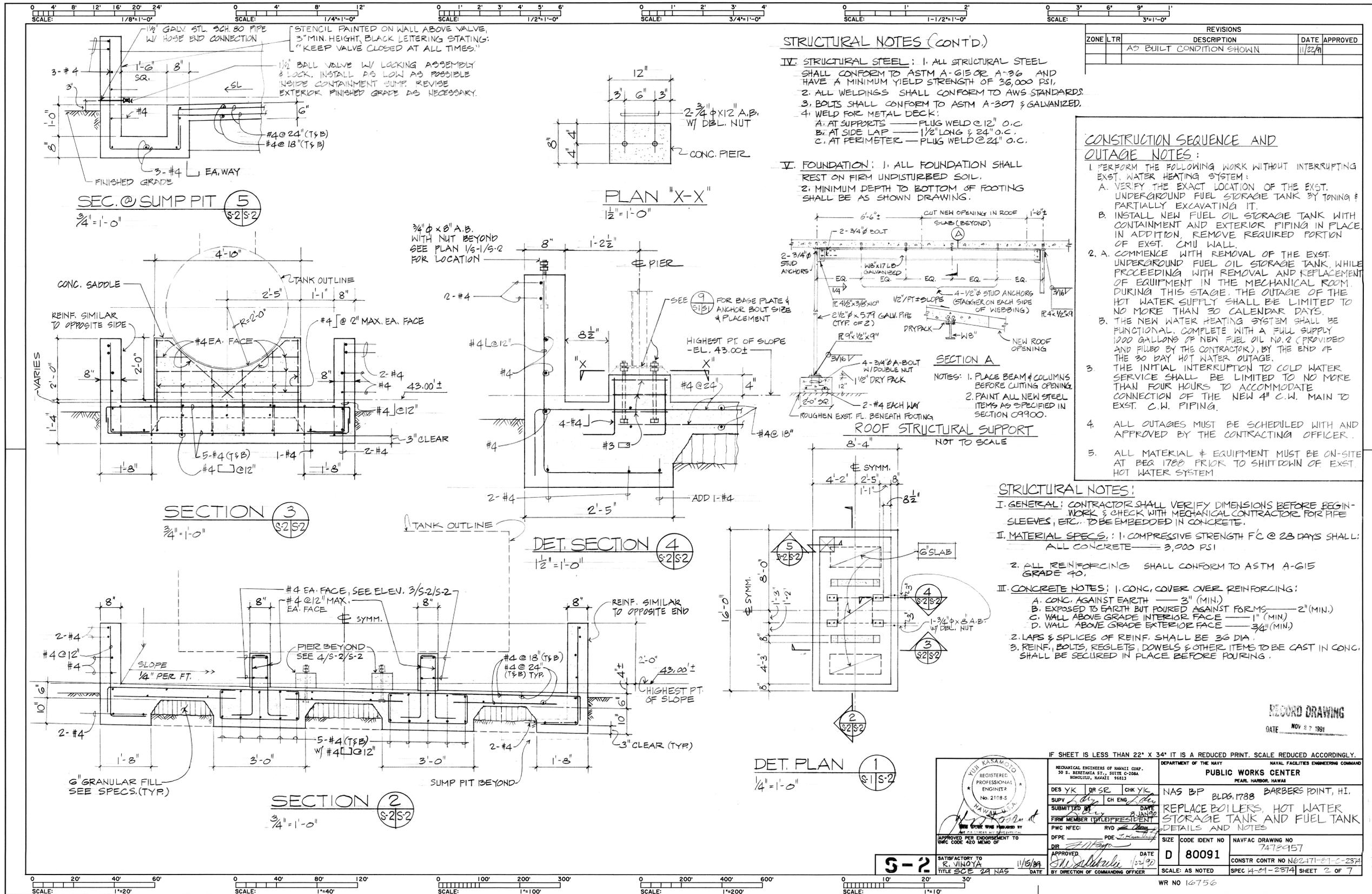
RECORD DRAWING
DATE NOV 27 1991

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

MECHANICAL ENGINEERS OF HAWAII CORP. 30 S. BERETANIA ST., SUITE C-208A HONOLULU, HAWAII 96813		DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PEARL HARBOR, HAWAII	
DES. YK	DR. SR.	CHK. YK	
SUPV. [Signature]	CH. ENG. [Signature]	DATE: 11/27/91	
FIRM MEMBER (TYPE) PRESIDENT PWCF NPEC: RVD		SIZE CODE IDENT NO. NAVFAC DRAWING NO. D 80091 7478956	
APPROVED PER ENDORSEMENT TO PWC CODE 420 MEMO OF [Signature]		CONSTR. CONTR. NO. N0241701-C-2374 SCALE: AS NOTED SPEC. H-89-2374 SHEET 1 OF 7	
SATISFACTORY TO [Signature] DATE: 11/19/91		WR NO. 10750	

7478957

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STRUCTURAL NOTES (CONT'D)

- IV. STRUCTURAL STEEL: 1. ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A-615 OR A-36 AND HAVE A MINIMUM YIELD STRENGTH OF 36,000 PSI, 2. ALL WELDINGS SHALL CONFORM TO AWS STANDARDS, 3. BOLTS SHALL CONFORM TO ASTM A-307 & GALVANIZED, 4. WELD FOR METAL DECK:
 A. AT SUPPORTS — FLUG WELD @ 12" O.C.
 B. AT SIDE LAP — 1/2" LONG & 3/4" O.C.
 C. AT PERIMETER — FLUG WELD @ 24" O.C.
- V. FOUNDATION: 1. ALL FOUNDATION SHALL REST ON FIRM UNDISTURBED SOIL, 2. MINIMUM DEPTH TO BOTTOM OF FOOTING SHALL BE AS SHOWN DRAWINGS.

REVISIONS			
ZONE	LTR	DESCRIPTION	DATE APPROVED
		AS BUILT CONDITION SHOWN	11/22/91

CONSTRUCTION SEQUENCE AND OUTAGE NOTES:

- PERFORM THE FOLLOWING WORK WITHOUT INTERRUPTING EXST. WATER HEATING SYSTEM:
 - VERIFY THE EXACT LOCATION OF THE EXST. UNDERGROUND FUEL STORAGE TANK BY TONING & PARTIALLY EXCAVATING IT.
 - INSTALL NEW FUEL OIL STORAGE TANK WITH CONTAINMENT AND EXTERIOR PIPING IN PLACE. IN ADDITION, REMOVE REQUIRED PORTION OF EXST. CMU WALL.
- A. COMMENCE WITH REMOVAL OF THE EXST. UNDERGROUND FUEL OIL STORAGE TANK WHILE PROCEEDING WITH REMOVAL AND REPLACEMENT OF EQUIPMENT IN THE MECHANICAL ROOM. DURING THIS STAGE, THE OUTAGE OF THE HOT WATER SUPPLY SHALL BE LIMITED TO NO MORE THAN 30 CALENDAR DAYS.
 - THE NEW WATER HEATING SYSTEM SHALL BE FUNCTIONAL, COMPLETE WITH A FULL SUPPLY 1200 GALLONS OF NEW FUEL OIL NO. 2 (PROVIDED AND FILLED BY THE CONTRACTOR), BY THE END OF THE 30 DAY HOT WATER OUTAGE.
 - THE INITIAL INTERRUPTION TO COLD WATER SERVICE SHALL BE LIMITED TO NO MORE THAN FOUR HOURS TO ACCOMMODATE CONNECTION OF THE NEW 4" C.W. MAIN TO EXST. C.W. PIPING.
- ALL OUTAGES MUST BE SCHEDULED WITH AND APPROVED BY THE CONTRACTING OFFICER.
- ALL MATERIAL & EQUIPMENT MUST BE ON-SITE AT PER 1700 PRIOR TO SHUTDOWN OF EXST. HOT WATER SYSTEM.

STRUCTURAL NOTES:

- I. GENERAL: CONTRACTOR SHALL VERIFY DIMENSIONS BEFORE BEGINNING WORK & CHECK WITH MECHANICAL CONTRACTOR FOR PIPE SLEEVES, ETC., TO BE EMBEDDED IN CONCRETE.
- II. MATERIAL SPECS.: 1. COMPRESSIVE STRENGTH f'_c @ 28 DAYS SHALL: ALL CONCRETE — 3,000 PSI
2. ALL REINFORCING SHALL CONFORM TO ASTM A-615 GRADE 40.
- III. CONCRETE NOTES: 1. CONC. COVER OVER REINFORCING:
 A. CONC. AGAINST EARTH — 3" (MIN.)
 B. EXPOSED TO EARTH BUT POURED AGAINST FORMS — 2" (MIN.)
 C. WALL ABOVE GRADE INTERIOR FACE — 1" (MIN.)
 D. WALL ABOVE GRADE EXTERIOR FACE — 3/4" (MIN.)
2. LAPS & SPLICES OF REINF. SHALL BE 36 DIA.
 3. REINF., BOLTS, REGLETS, DOWELS & OTHER ITEMS TO BE CAST IN CONC. SHALL BE SECURED IN PLACE BEFORE POURING.

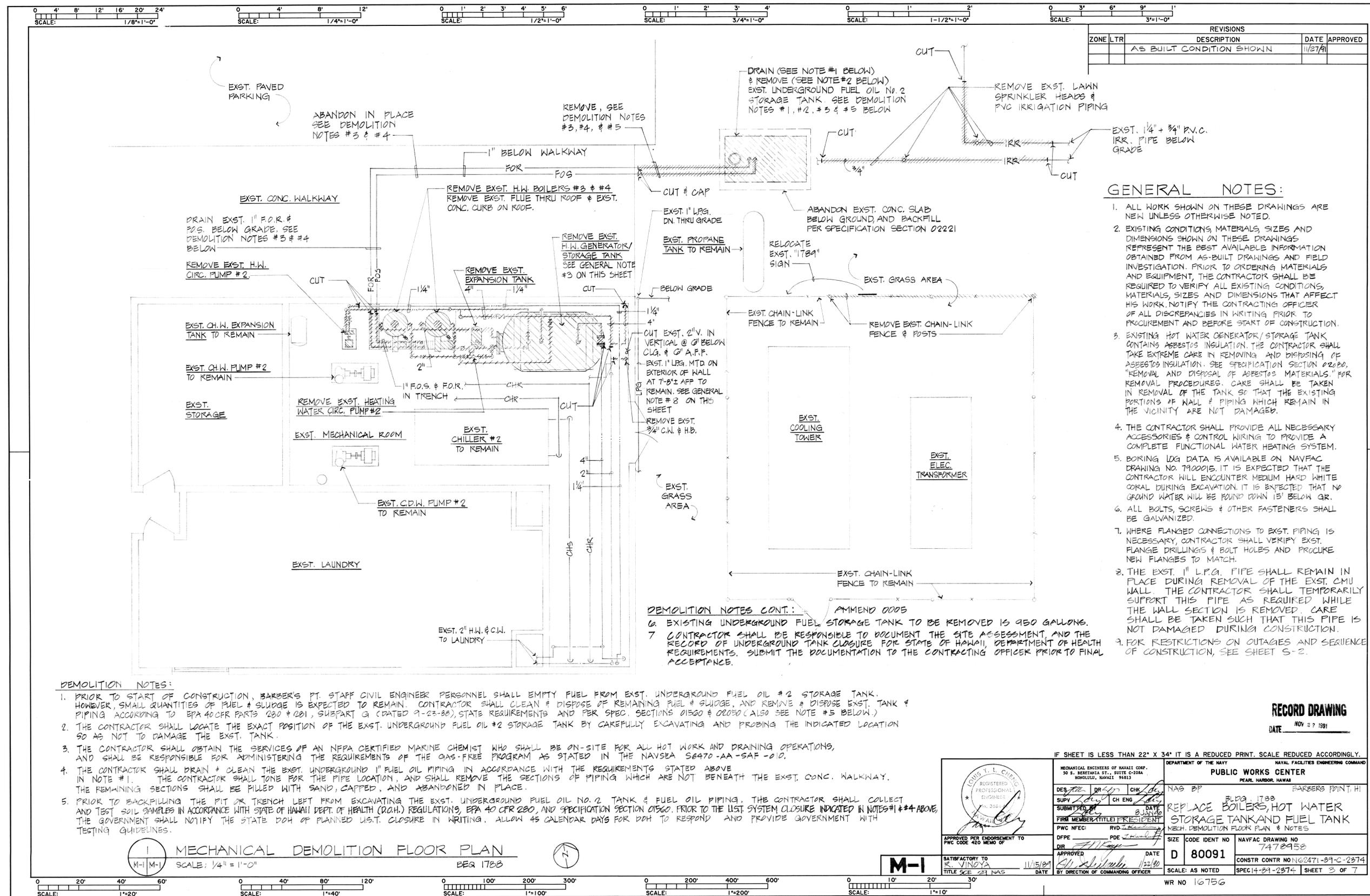
RECORD DRAWING
DATE NOV 27 1991

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

			DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PEARL HARBOR, HAWAII	
DES YK	DR SR	CHK YK	PUBLIC WORKS CENTER	
SUPV <i>[Signature]</i> CH ENG <i>[Signature]</i> SUBMITTED BY <i>[Signature]</i> DATE <i>[Date]</i> FIRM MEMBER (TITLE) PRESIDENT			NAS B/P BLDG. 1788 BARBERS POINT, HI. REPLACE BOILERS, HOT WATER STORAGE TANK AND FUEL TANK DETAILS AND NOTES	
DFPE	PDE	DATE	SIZE	CODE IDENT NO
APPROVED	APPROVED	DATE	D	80091
SATISFACTORY TO R. VINOYA 11/16/91 TITLE SCE 2A NAS			NAVFAC DRAWING NO	7478957
BY DIRECTION OF COMMANDING OFFICER			CONSTR CONTR NO	N62471-81-C-2374
			SCALE:	AS NOTED
			WR NO	10756

7478958

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REVISIONS			
ZONE	LTR	DESCRIPTION	DATE APPROVED
		AS BUILT CONDITION SHOWN	11/27/01

- GENERAL NOTES:**
- ALL WORK SHOWN ON THESE DRAWINGS ARE NEW UNLESS OTHERWISE NOTED.
 - EXISTING CONDITIONS, MATERIALS, SIZES AND DIMENSIONS SHOWN ON THESE DRAWINGS REPRESENT THE BEST AVAILABLE INFORMATION OBTAINED FROM AS-BUILT DRAWINGS AND FIELD INVESTIGATION. PRIOR TO ORDERING MATERIALS AND EQUIPMENT, THE CONTRACTOR SHALL BE REQUIRED TO VERIFY ALL EXISTING CONDITIONS, MATERIALS, SIZES AND DIMENSIONS THAT AFFECT HIS WORK. NOTIFY THE CONTRACTING OFFICER OF ALL DISCREPANCIES IN WRITING PRIOR TO PROCUREMENT AND BEFORE START OF CONSTRUCTION.
 - EXISTING HOT WATER GENERATOR/STORAGE TANK CONTAINS ASBESTOS INSULATION. THE CONTRACTOR SHALL TAKE EXTREME CARE IN REMOVING AND DISPOSING OF ASBESTOS INSULATION. SEE SPECIFICATION SECTION 02000, "REMOVAL AND DISPOSAL OF ASBESTOS MATERIALS" FOR REMOVAL PROCEDURES. CARE SHALL BE TAKEN IN REMOVAL OF WALL & PIPING WHICH REMAIN IN THE VICINITY ARE NOT DAMAGED.
 - THE CONTRACTOR SHALL PROVIDE ALL NECESSARY ACCESSORIES & CONTROL WIRING TO PROVIDE A COMPLETE FUNCTIONAL WATER HEATING SYSTEM.
 - BOILING LOG DATA IS AVAILABLE ON NAVFAC DRAWING NO. 7900015. IT IS EXPECTED THAT THE CONTRACTOR WILL ENCOUNTER MEDIUM HARD WHITE CORAL DURING EXCAVATION. IT IS EXPECTED THAT NO GROUND WATER WILL BE FOUND DOWN 15' BELOW GR.
 - ALL BOLTS, SCREWS & OTHER FASTENERS SHALL BE GALVANIZED.
 - WHERE FLANGED CONNECTIONS TO EXST. PIPING IS NECESSARY, CONTRACTOR SHALL VERIFY EXST. FLANGE DRILLINGS & BOLT HOLES AND PROCURE NEW FLANGES TO MATCH.
 - THE EXST. 1" L.P.G. PIPE SHALL REMAIN IN PLACE DURING REMOVAL OF THE EXST. CMU WALL. THE CONTRACTOR SHALL TEMPORARILY SUPPORT THIS PIPE AS REQUIRED WHILE THE WALL SECTION IS REMOVED. CARE SHALL BE TAKEN SUCH THAT THIS PIPE IS NOT DAMAGED DURING CONSTRUCTION.
 - FOR RESTRICTIONS ON OUTAGES AND SEQUENCE OF CONSTRUCTION, SEE SHEET S-2.

- DEMOLITION NOTES CONT.:**
- EXISTING UNDERGROUND FUEL STORAGE TANK TO BE REMOVED IS 950 GALLONS.
 - CONTRACTOR SHALL BE RESPONSIBLE TO DOCUMENT THE SITE ASSESSMENT AND THE RECORD OF UNDERGROUND TANK CLOSURE FOR STATE OF HAWAII, DEPARTMENT OF HEALTH REQUIREMENTS. SUBMIT THE DOCUMENTATION TO THE CONTRACTING OFFICER PRIOR TO FINAL ACCEPTANCE.

DEMOLITION NOTES:

- PRIOR TO START OF CONSTRUCTION, BARBER'S PT. STAFF CIVIL ENGINEER PERSONNEL SHALL EMPTY FUEL FROM EXST. UNDERGROUND FUEL OIL #2 STORAGE TANK. HOWEVER, SMALL QUANTITIES OF FUEL & SLUDGE IS EXPECTED TO REMAIN. CONTRACTOR SHALL CLEAN & DISPOSE OF REMAINING FUEL & SLUDGE, AND REMOVE & DISPOSE EXST. TANK & PIPING ACCORDING TO EPA 40CFR PARTS 280 & 281, SUBPART G (DATED 9-23-88), STATE REQUIREMENTS AND PER SPEC. SECTIONS 01560 & 02050 (ALSO SEE NOTE #5 BELOW.)
- THE CONTRACTOR SHALL LOCATE THE EXACT POSITION OF THE EXST. UNDERGROUND FUEL OIL #2 STORAGE TANK BY CAREFULLY EXCAVATING AND PROBING THE INDICATED LOCATION SO AS NOT TO DAMAGE THE EXST. TANK.
- THE CONTRACTOR SHALL OBTAIN THE SERVICES OF AN NFPA CERTIFIED MARINE CHEMIST WHO SHALL BE ON-SITE FOR ALL HOT WORK AND DRAINING OPERATIONS, AND SHALL BE RESPONSIBLE FOR ADMINISTERING THE REQUIREMENTS OF THE GAS-FREE PROGRAM AS STATED IN THE NAVSEA S6470-AA-SAF-010.
- THE CONTRACTOR SHALL DRAIN & CLEAN THE EXST. UNDERGROUND 1" FUEL OIL PIPING IN ACCORDANCE WITH THE REQUIREMENTS STATED ABOVE IN NOTE #1. THE CONTRACTOR SHALL TONE FOR THE PIPE LOCATION, AND SHALL REMOVE THE SECTIONS OF PIPING WHICH ARE NOT BENEATH THE EXST. CONC. WALKWAY. THE REMAINING SECTIONS SHALL BE FILLED WITH SAND, CAPPED, AND ABANDONED IN PLACE.
- PRIOR TO BACKFILLING THE PIT OR TRENCH LEFT FROM EXCAVATING THE EXST. UNDERGROUND FUEL OIL NO. 2 TANK & FUEL OIL PIPING, THE CONTRACTOR SHALL COLLECT AND TEST SOIL SAMPLES IN ACCORDANCE WITH STATE OF HAWAII DEPT. OF HEALTH (DOH) REGULATIONS, EPA 40 CFR 280, AND SPECIFICATION SECTION 01560. PRIOR TO THE UST SYSTEM CLOSURE INDICATED IN NOTES #1 & #4 ABOVE, THE GOVERNMENT SHALL NOTIFY THE STATE DOH OF PLANNED UST CLOSURE IN WRITING. ALLOW 45 CALENDAR DAYS FOR DOH TO RESPOND AND PROVIDE GOVERNMENT WITH TESTING GUIDELINES.

M-1 MECHANICAL DEMOLITION FLOOR PLAN
 SCALE: 1/4"=1'-0"
 BEQ 1788

RECORD DRAWING
 DATE NOV 27 1991

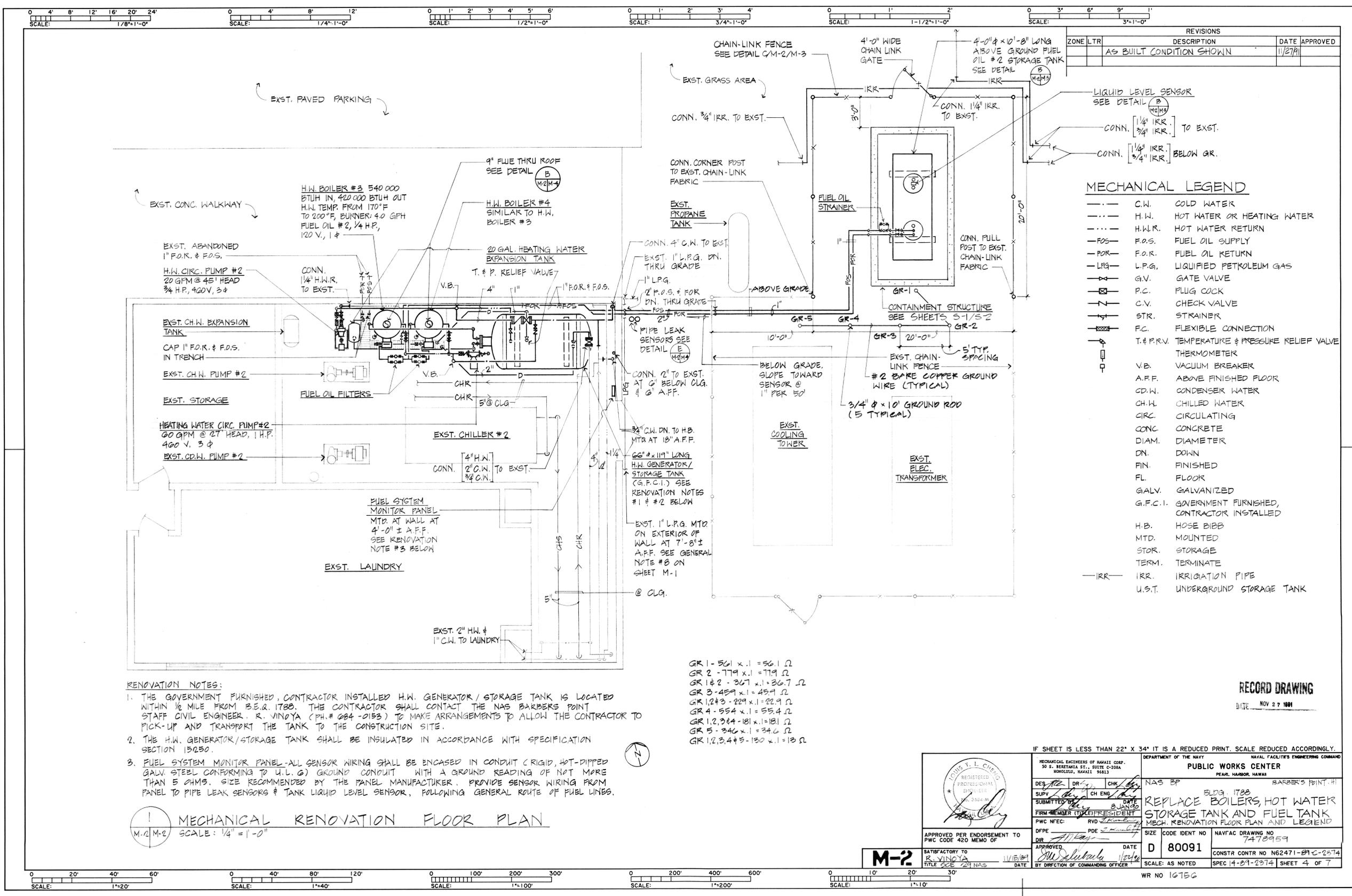
IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

	MECHANICAL ENGINEERS OF HAWAII CORP. 20 S. BERETANIA ST., SUITE C-1004 HONOLULU, HAWAII 96813	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS CENTER PEARL HARBOR, HAWAII
	DESIGNED BY: DR [Signature] SUPV: [Signature] SUBMITTED: [Signature] FIRM MEMBER/TITLE: PRESIDENT	NAS BP BLDG. 1788 REPLACE BOILERS, HOT WATER STORAGE TANK AND FUEL TANK MECH. DEMOLITION FLOOR PLAN & NOTES
APPROVED PER ENDORSEMENT TO PWC CODE 420 MEMO OF	DFPE: [Signature] DIR: [Signature]	SIZE: D CODE IDENT NO: 80091 NAVFAC DRAWING NO: 7478958 CONSTR CONTR NO: 02471-89-C-2374 SCALE: AS NOTED SPEC: 14-89-2374 SHEET 3 OF 7

WR NO 16756

7478959

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REVISIONS			
ZONE	LTR	DESCRIPTION	DATE APPROVED
		AS BUILT CONDITION SHOWN	1/27/91

MECHANICAL LEGEND	
---	C.W. COLD WATER
---	H.W. HOT WATER OR HEATING WATER
---	H.W.R. HOT WATER RETURN
---	F.O.S. FUEL OIL SUPPLY
---	F.O.R. FUEL OIL RETURN
---	L.P.G. LIQUIFIED PETROLEUM GAS
---	G.V. GATE VALVE
---	P.C. PLUG COCK
---	C.V. CHECK VALVE
---	STR. STRAINER
---	F.C. FLEXIBLE CONNECTION
---	T. & P.R.V. TEMPERATURE & PRESSURE RELIEF VALVE
---	--- THERMOMETER
---	V.B. VACUUM BREAKER
---	A.F.F. ABOVE FINISHED FLOOR
---	C.D.W. CONDENSER WATER
---	CH.W. CHILLED WATER
---	CIRC. CIRCULATING
---	CONC. CONCRETE
---	DIAM. DIAMETER
---	DN. DOWN
---	FIN. FINISHED
---	FL. FLOOR
---	GALV. GALVANIZED
---	G.F.C.I. GOVERNMENT FURNISHED, CONTRACTOR INSTALLED
---	H.B. HOSE BIBB
---	MTD. MOUNTED
---	STOR. STORAGE
---	TERM. TERMINATE
---	IRR. IRRIGATION PIPE
---	U.S.T. UNDERGROUND STORAGE TANK

- RENOVATION NOTES:**
1. THE GOVERNMENT FURNISHED, CONTRACTOR INSTALLED H.W. GENERATOR/STORAGE TANK IS LOCATED WITHIN 1/2 MILE FROM B.E.R. 1788. THE CONTRACTOR SHALL CONTACT THE NAS BARBERS POINT STAFF CIVIL ENGINEER, R. VINDYA (PH.# 684-2153) TO MAKE ARRANGEMENTS TO ALLOW THE CONTRACTOR TO PICK-UP AND TRANSPORT THE TANK TO THE CONSTRUCTION SITE.
 2. THE H.W. GENERATOR/STORAGE TANK SHALL BE INSULATED IN ACCORDANCE WITH SPECIFICATION SECTION 15050.
 3. FUEL SYSTEM MONITOR PANEL-ALL SENSOR WIRING SHALL BE ENCASED IN CONDUIT (RIGID, HOT-DIPPED GALV. STEEL CONFORMING TO U.L.C.) GROUND CONDUIT WITH A GROUND READING OF NOT MORE THAN 5 OHMS. SIZE RECOMMENDED BY THE PANEL MANUFACTURER. PROVIDE SENSOR WIRING FROM PANEL TO PIPE LEAK SENSORS & TANK LIQUID LEVEL SENSOR, FOLLOWING GENERAL ROUTE OF FUEL LINES.

- GR 1 - 561 x .1 = 56.1 Ω
- GR 2 - 779 x .1 = 77.9 Ω
- GR 1 & 2 - 367 x .1 = 36.7 Ω
- GR 3 - 459 x .1 = 45.9 Ω
- GR 1,2 & 3 - 229 x .1 = 22.9 Ω
- GR 4 - 554 x .1 = 55.4 Ω
- GR 1,2,3 & 4 - 181 x .1 = 18.1 Ω
- GR 5 - 346 x .1 = 34.6 Ω
- GR 1,2,3,4 & 5 - 130 x .1 = 13 Ω

M-2 M-2
MECHANICAL RENOVATION FLOOR PLAN
SCALE: 1/4" = 1'-0"

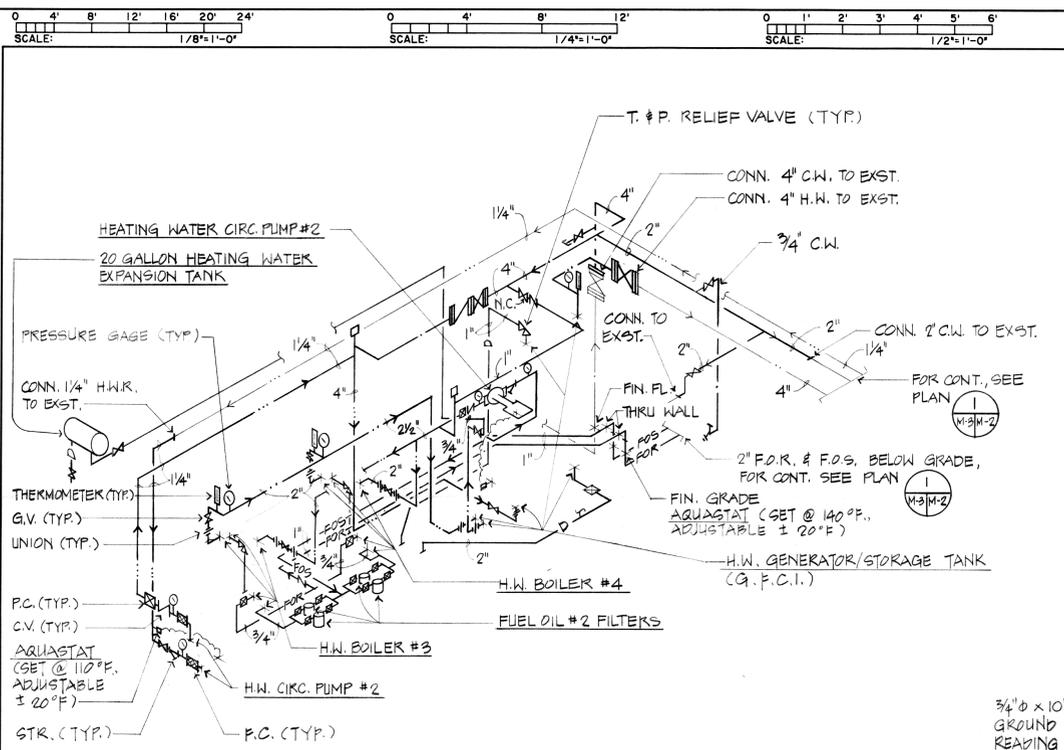
RECORD DRAWING
DATE NOV 27 1991

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

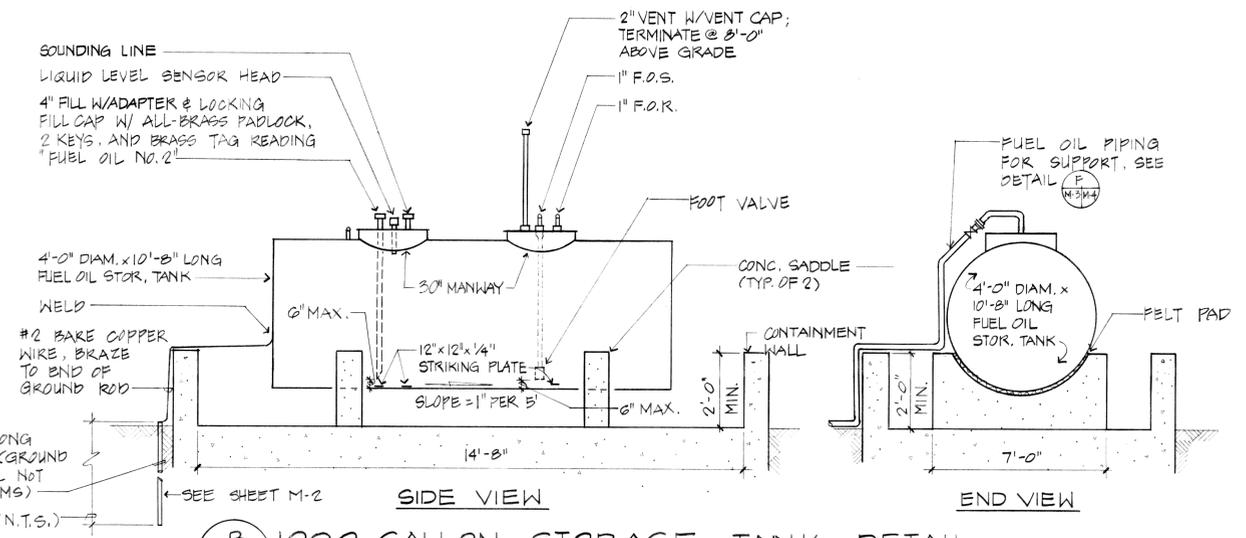
	MECHANICAL ENGINEERS OF HAWAII CORP. 50 S. BERETANIA ST., SUITE C-208A HONOLULU, HAWAII 96813	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PEARL HARBOR, HAWAII	
	DESIGNED BY: [Signature] SUPV. BY: [Signature] SUBMITTED BY: [Signature] FIRM MEMBER (TYPE) PRESIDENT: [Signature]	NAS BP BLDG. 1788 REPLACE BOILERS, HOT WATER STORAGE TANK AND FUEL TANK MECH. RENOVATION FLOOR PLAN AND LEGEND	BARBERS POINT, HI
	PWC NFEC: RVD DFPE: [Signature] DIR: [Signature]	SIZE: [Blank] CODE IDENT NO: 80091 NAVFAC DRAWING NO: 7478959	CONSTR CONTR NO: N62471-89C-2574 SPEC: 4-89-2374 SHEET 4 OF 7
	APPROVED PER ENDORSEMENT TO PWC CODE 420 MEMO OF: [Signature] SATISFACTORY TO: R. VINDYA TITLE: [Blank] DATE: [Blank]	APPROVED: [Signature] DATE: [Blank] BY: DIRECTOR OF COMMANDING OFFICER	SCALE: AS NOTED WR NO 16756

7478960
 BLDG. 01788
 5 of 7

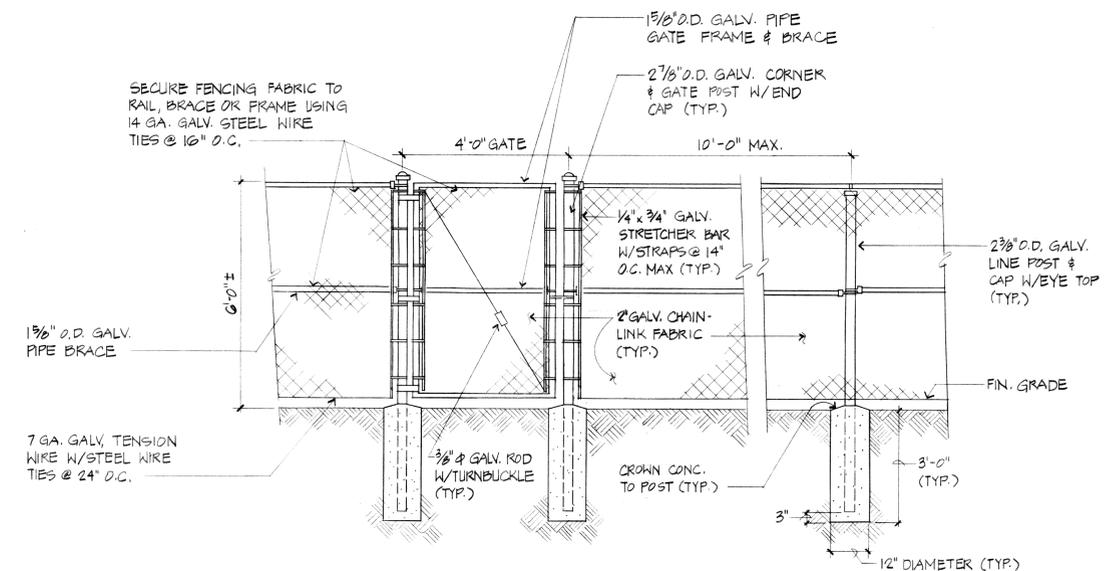
REVISIONS			
ZONE	LTR	DESCRIPTION	DATE
		AS BUILT CONDITION SHOWN	11/27/11



A PIPING DIAGRAM
M-3 M-3 NOT TO SCALE

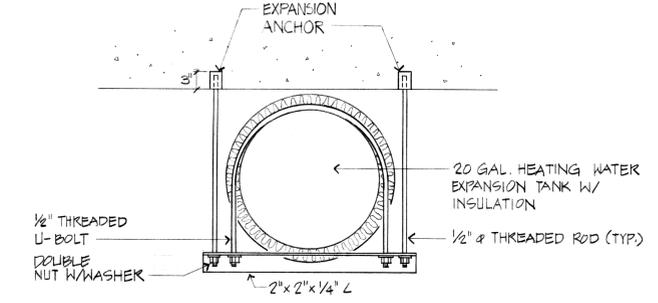


B 1000 GALLON STORAGE TANK DETAIL
M-2 M-3 NOT TO SCALE
NOTE: SEE DRAWINGS ON SHEET S-1 & S-2 FOR CONTAINMENT WALLS, CONC. WORK & PLATFORM/LADDER ASSEMBLY



NOTES: 1. ALL FENCING MATERIAL INCLUDING GATE HARDWARE SHALL BE GALVANIZED STEEL
2. POSTS, BRACES & GATE FRAMES SHALL BE SCHEDULE 40 GALVANIZED PIPE.

C CHAIN LINK FENCE DETAIL
M-2 M-3 NOT TO SCALE

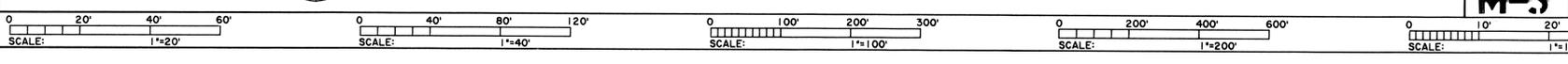


D EXPANSION TANK SUPPORT DETAIL
M-3 M-3 NOT TO SCALE

RECORD DRAWING
DATE NOV 27 1991

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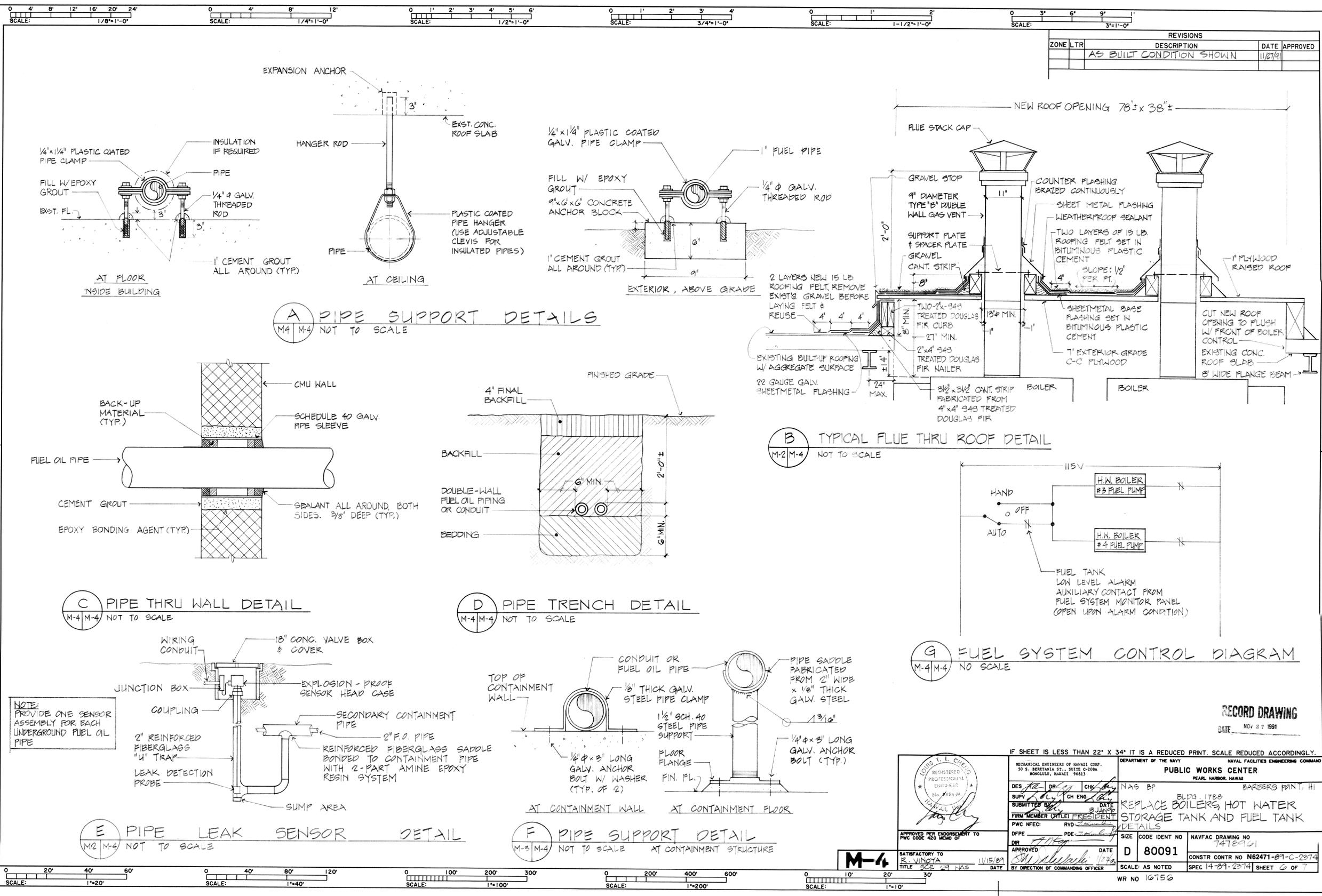
	MECHANICAL ENGINEERS OF HAWAII CORP. 50 S. BERETANIA ST., SUITE C-208A HONOLULU, HAWAII 96813	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PUBLIC WORKS CENTER PEARL HARBOR, HAWAII	
	DES: [Signature] SUPV: [Signature] SUBMITTED BY: [Signature] FIRM MEMBER (TITLE) PRESIDENT	DR: [Signature] CH ENG: [Signature] DATE: 11/15/89 RVD: [Signature]	NAG BP BLDG 1788 BARBERS POINT, HI REPLACE BOILERS, HOT WATER STORAGE TANK AND FUEL TANK DIAGRAM AND DETAILS
	APPROVED PER ENDORSEMENT TO PWC CODE 420 MEMO OF	APPROVED BY: [Signature] DATE: 11/15/89 BY: DIRECTION OF COMMANDING OFFICER	SIZE: D CODE IDENT NO: 80091 NAVFAC DRAWING NO: 7478960 CONSTR CONTR NO: N62471-89-C-2374 SCALE: AS NOTED SPEC: 14-89-2374 SHEET 5 OF 7
	M-3 SATISFACTORY TO: R. VINOYA TITLE: 271 NAG DATE: 11/15/89		RWR NO 16756



7478961

BLDG. 1788
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REVISIONS			
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		AS BUILT CONDITION SHOWN	11/27/91



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DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
PUBLIC WORKS CENTER
PEARL HARBOR, HAWAII

DESIGNED BY: [Signature]
DRAWN BY: [Signature]
CHECKED BY: [Signature]
SUPERVISOR: [Signature]
DATE: 11/15/91

APPROVED PER ENDORSEMENT TO PWC CODE 400 HEAD OF: [Signature]
DATE: 11/15/91

APPROVED BY: [Signature]
DATE: 11/15/91
BY DIRECTION OF COMMANDING OFFICER

PROJECT: BLDG. 1788
TITLE: REPLACE BOILERS, HOT WATER STORAGE TANK AND FUEL TANK DETAILS

SIZE: D
CODE IDENT NO: 80091
NAVFAC DRAWING NO: 7478961

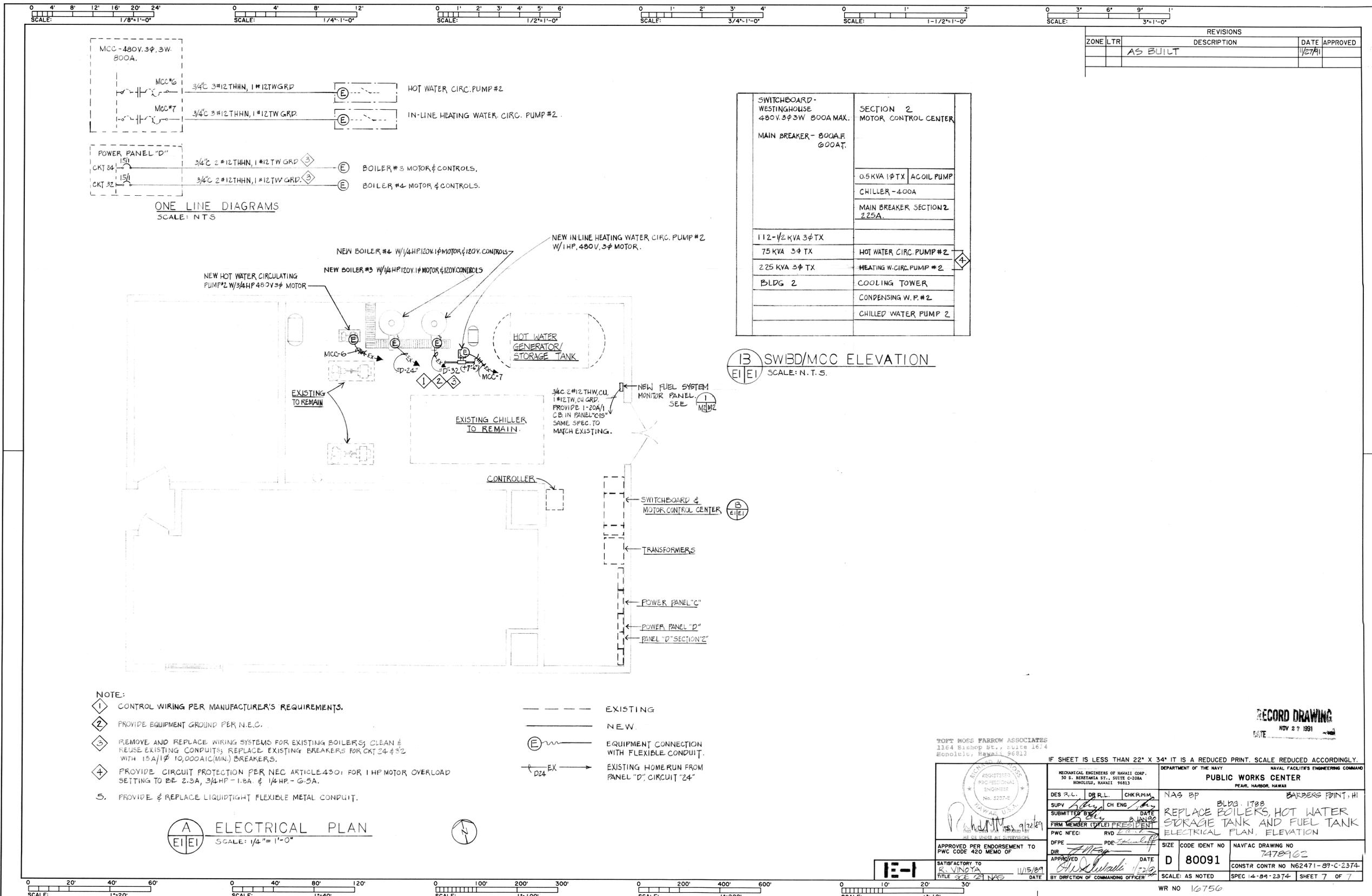
CONSTR CONTR NO: N62471-89-C-2874
SPEC: 14-89-2874
SHEET: 6 OF 7

SCALE: AS NOTED
WR NO: 10756

RECORD DRAWING
DATE: NOV 27 1991

7478962

BLDG. 1788
7 of 7



REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	APPROVED
		AS BUILT	1/27/91	

TOPT HOSS FARROW ASSOCIATES
1164 Bishop St., Suite 1674
Honolulu, Hawaii 96813



APPROVED PER ENDORSEMENT TO PWC CODE 420 MEMO OF

SATISFACTORY TO R. VINOVA 1/15/89 DATE

IF SHEET IS LESS THAN 22" X 34" IT IS A REDUCED PRINT. SCALE REDUCED ACCORDINGLY.

MECHANICAL ENGINEERS OF HAWAII CORP. 50 S. BERETANIA ST., SUITE C-208A HONOLULU, HAWAII 96813			DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND PEARL HARBOR, HAWAII	
DES. R.L.	DR. R.L.	CHK. R.M.M.	NAS BP BARBERS POINT, HI	
SUPV. <i>[Signature]</i>	CH. ENG. <i>[Signature]</i>	DATE 1/27/91	REPLACE BOILERS, HOT WATER STORAGE TANK AND FUEL TANK ELECTRICAL PLAN, ELEVATION	
FIRM MEMBER (TYPE) PRESIDENT	RVD	DATE 1/27/91	SIZE CODE IDENT NO	NAVFAC DRAWING NO
PWC N°FC:	RVD	DATE 1/27/91	D 80091	7478962
DFPE	PDE	DATE	CONSTR CONTR NO	NG2471-89-C-2374
DIR. <i>[Signature]</i>	APPROVED	DATE 1/27/91	SCALE: AS NOTED	SPEC 14-89-2374 SHEET 7 OF 7
BY DIR. OF COMMANDING OFFICER			SCALE: AS NOTED	SHEET 7 OF 7

WR NO 16756

TMF#89 460.