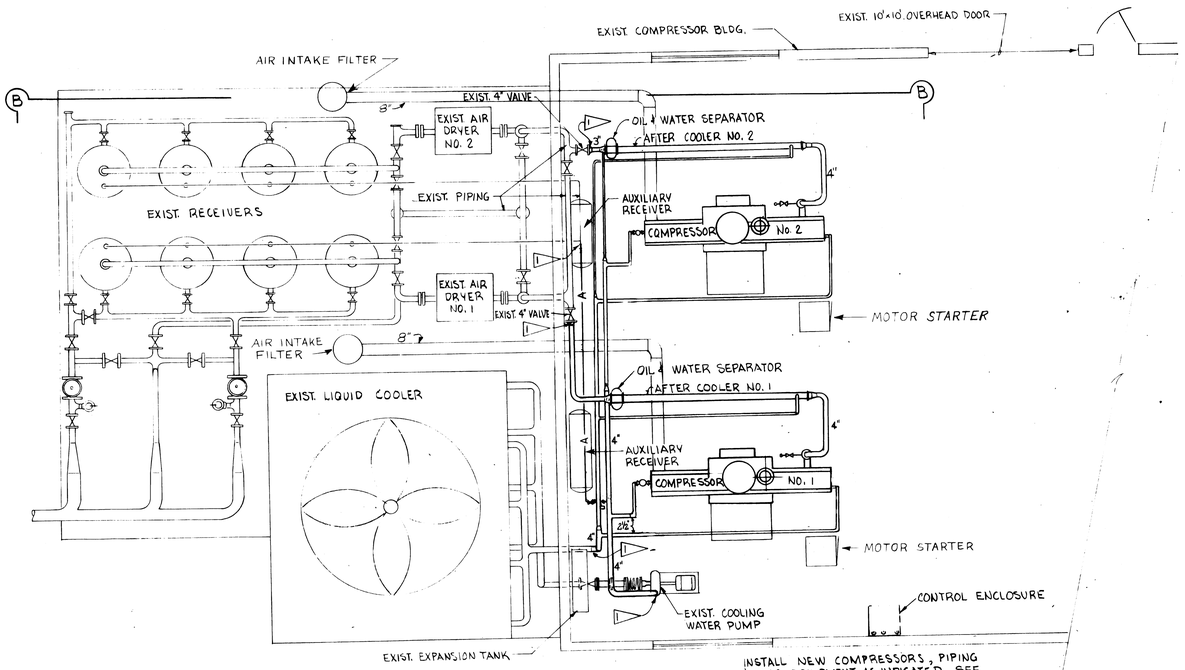
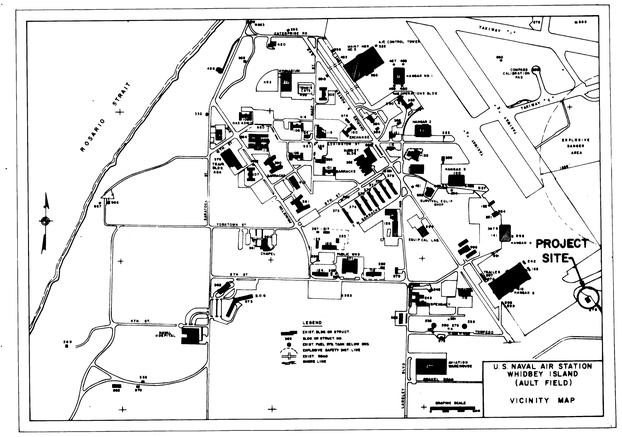
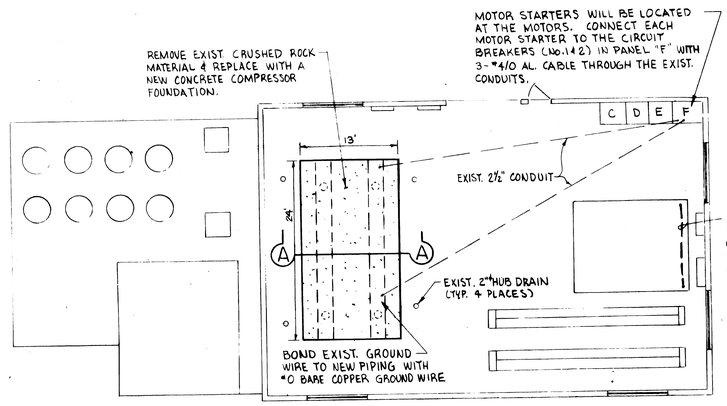
REVISIONS				
SYM.	BY	DESCRIPTION	DATE	APPROVED
	JAR	AS BUILT CONDITIONS NOTED	5/9/72	R.W. Wolf



COMPRESSOR AIR & WATER PIPING PLAN

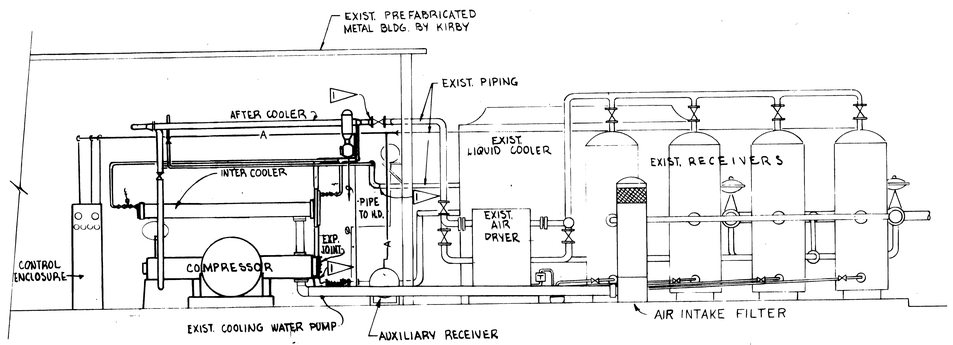
1/4" = 1'-0"





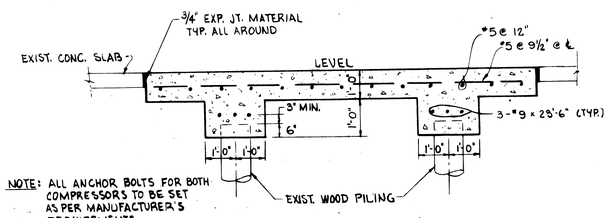
COMPRESSOR BLDG. - FLOOR PLAN

1/8" = 1'-0"



SECTION "B-B"

1/4" = 1'-0"



NOTE: ALL ANCHOR BOLTS FOR BOTH COMPRESSORS TO BE SET AS PER MANUFACTURER'S REQUIREMENTS

SECTION "A-A"

1/2" = 1'-0"

▷ REMOVE EXIST. BLIND FLANGE, CAP OR PLUG & CONNECT NEW PIPING.

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

1/4" = 1'-0" 0 1 2 3 4 5 10 15

1/2" = 1'-0" 0 1 2 3 4 5 10

RECORD DRAWING

SHT 1 of 2

LETTER DATED 10 MAY 1972

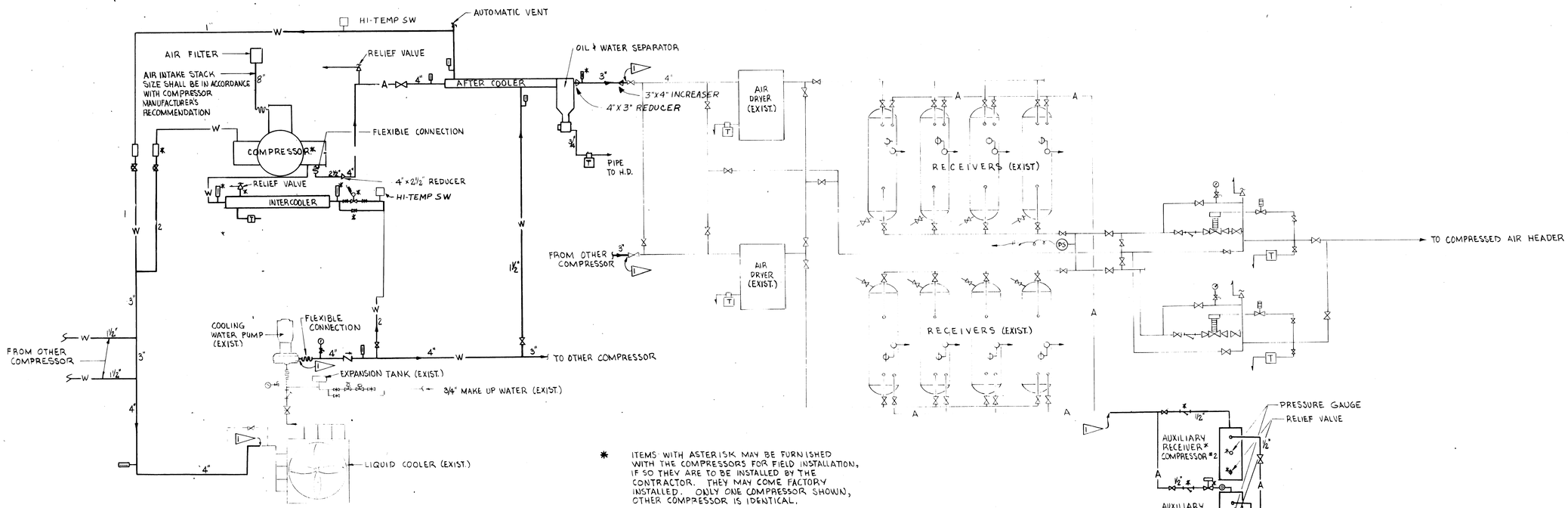
NFD DWG. NO.	DEPT. OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
DES. F.T.K. DR.	WESTERN DIVISION
CHECKED	SAN BRUNO, CALIFORNIA 94066
PROJ. ENGR.	U.S. NAVAL AIR STATION — WHIDBEY ISLAND, WASHINGTON
ENGINEER DIR.	INSTALL AIR COMPRESSORS FOR AIR START SYSTEM
DES. IN CHG. FRED T. KASHIWARA P.E.	PLAN
DIRECTOR	
APPROVED DATE	SIZE F — CODE IDENT. NO. 80091 — NAVFAC DRAWING NO. 1,385,014
SATISFACTORY TO DATE	SCALE: NOTED — CONSTR. CONTR. NO. N62474-71-C-4114
TITLE PWD, WA DATE	SPEC. 13-71-4114 — SHEET 2 OF 2

(N. Tech Files)

File Bldg. 2528

1385014
HRB SAFE COPY
AS BUILT

REVISIONS				
SYM.	BY	DESCRIPTION	DATE	APPROVED
	JAR	AS BUILT CONDITIONS NOTED	5/10/72	R.Wolf



* ITEMS WITH ASTERISK MAY BE FURNISHED WITH THE COMPRESSORS FOR FIELD INSTALLATION, IF SO THEY ARE TO BE INSTALLED BY THE CONTRACTOR. THEY MAY COME FACTORY INSTALLED. ONLY ONE COMPRESSOR SHOWN, OTHER COMPRESSOR IS IDENTICAL.

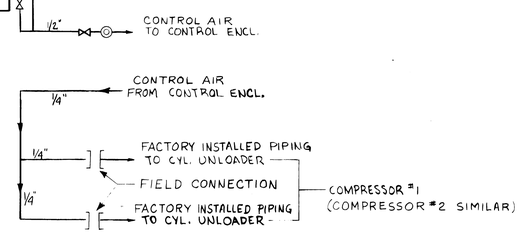
(1) REMOVE EXIST. BLIND FLANGE, CAP OR PLUG & CONNECT NEW PIPING

AIR AND WATER PIPING - SCHEMATIC

NO SCALE

NOTES

1. ALL VALVES & SPECIALTIES SHALL BE THE SAME SIZE AS THE PIPING, EXCEPT WHERE NOTED



LEGEND

	GATE VALVE		SIGHT GLASS
	GLOBE VALVE	T	DRIP TRAP
	PRESSURE REDUCING VALVE		CHECK VALVE
	CONTROL VALVE		AIR DRYER
	THERMOMETER		RELIEF VALVE
	GAUGE & COCK	—A—	AIR PIPING
	PLUG COCK	—W—	WATER PIPING
	WYE STRAINER	PS	PRESSURE SWITCH SET AT 150 PSIG TO SIGNAL CONTROL CONSOLE
S	SOLENOID VALVE	H D	HUB DRAIN
	NEW - THIS CONTRACT		EXISTING

EQUIPMENT SCHEDULE

COMPRESSOR (NEW-THIS CONTRACT)	450 SCFM, 250 PSIG, 125 HP, 480V
RECEIVER (EXISTING)	VERTICAL, 42"Ø x 10' H, 96 CF, ASME 300#
LIQUID COOLER (EXISTING)	100 GPM, ENT @ 116°F., LEAVE @ 90°F, P.D. 6.8#, TOP LOAD 1,126 MBH, AMB. AIR 85° F., FAN 25 HP, 480 V
COOLING WATER PUMP (EXISTING)	100 GPM, 120 FT. TDH, 7½ HP, 1750 RPM
PRE. RED VALVE (EXISTING)	27,000 SCFM @ 150 PSIG FROM 250 PSIG TO 150 PSIG
DRYER (EXISTING)	REFRIGERATED 575 SCFM @ 250 PSIG, 300 PSIG MAX., ATMOSPHERIC DEW POINT -12° F., 4" FLG AIR CONNECTION, 4 HP COMPR. 480 V - 3Ø, WEATHERPROOF CONSTRUCTION.

RECORD DRAWING
2 2
LETTER DATED 10 MAY 1972

EFD DWG. NO.
DSN. F.T.K. DR.
CHECK Lawrence L. Wong
FIRE PROT. ENG'R. Harry L. Mitchell
BRANCH MGR. J.R. Waite
ENG. IN CHG. FRED T. KAWAHARA P.E.
DIRECTOR H.M. Cage
APPROVED R.K. Waite 2-3-71
EFD FOR COMMANDER, NAVFAC
SATISFACTORY TO Public Works Officer, COR, CES, OIC 2-11-71
TITLE P/NO. NAS WHIDBEY DATE

DEPT. OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
WESTERN DIVISION
SAN BRUNO, CALIFORNIA 94066
U.S. NAVAL AIR STATION — WHIDBEY ISLAND, WASHINGTON

INSTALL AIR COMPRESSORS FOR AIR START SYSTEM

AIR AND WATER PIPING - SCHEMATIC

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F	80091	1,385,015
SCALE: NONE		CONSTR. CONTR. NO. N62474-71-C-4114
		SPEC. 13-71-4114 SHEET 2 OF 2

1 OF 108 FILM 1

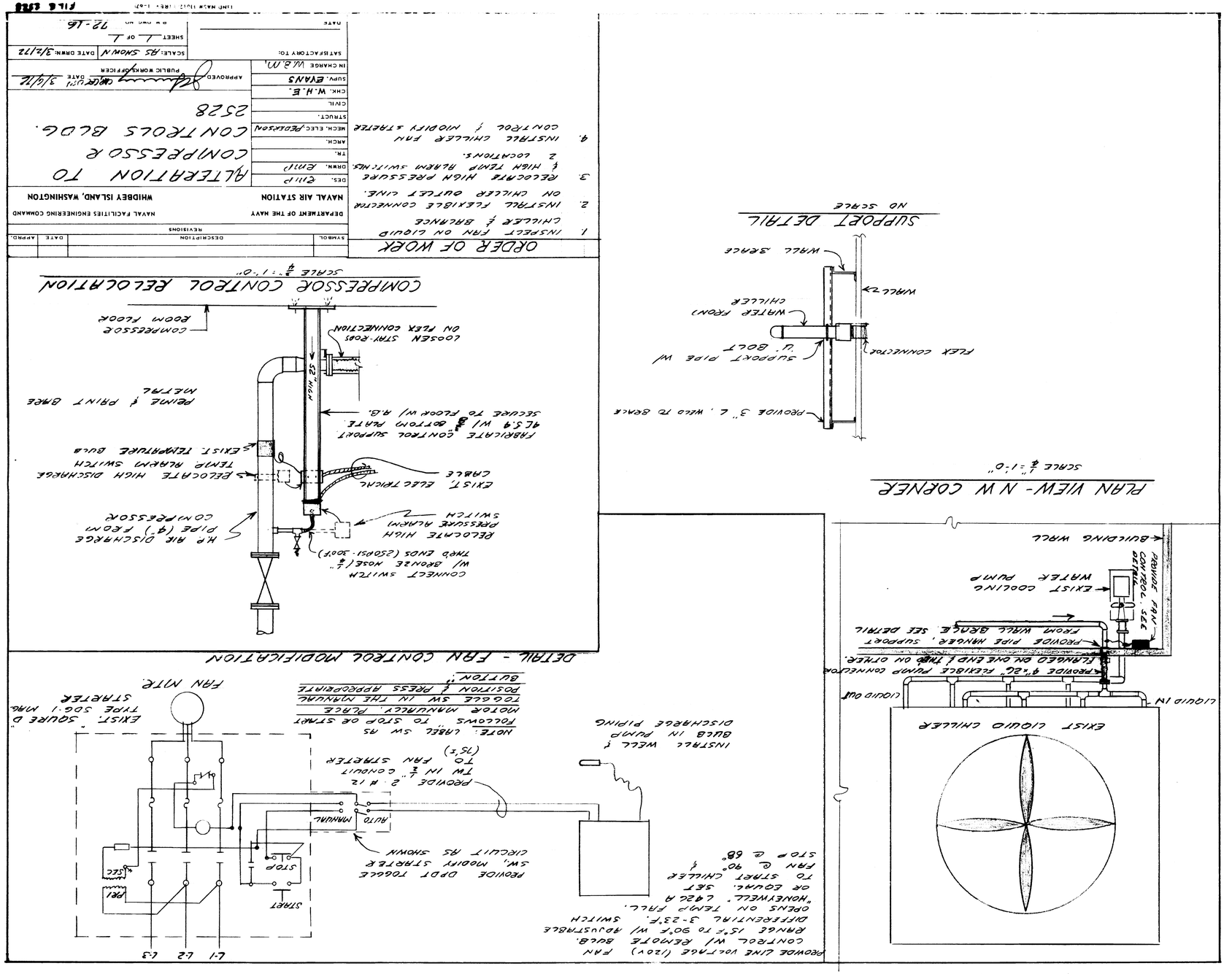
Jobs Bldg 2522

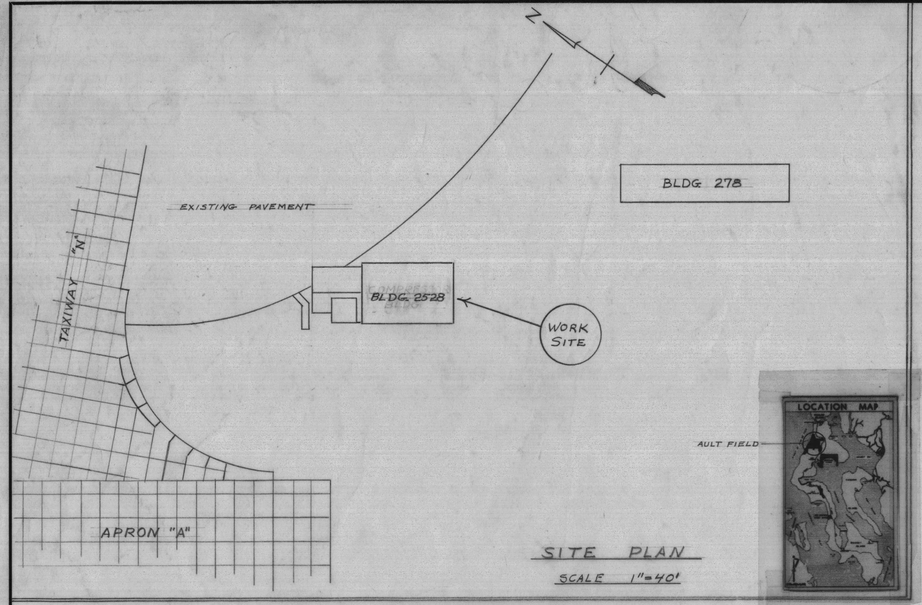
Install Air Compressors for Air Start Sys.
N62474-71-C-4114
2 of 2

130615

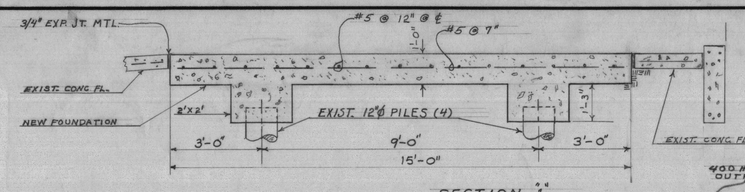
Alterations to Compressor Controls
PW 72-16
1 of 1

72-16

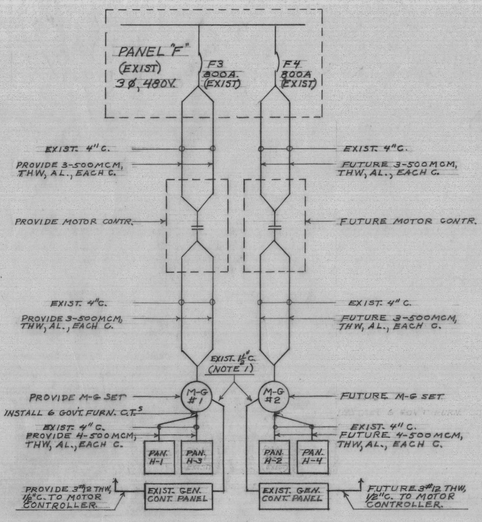




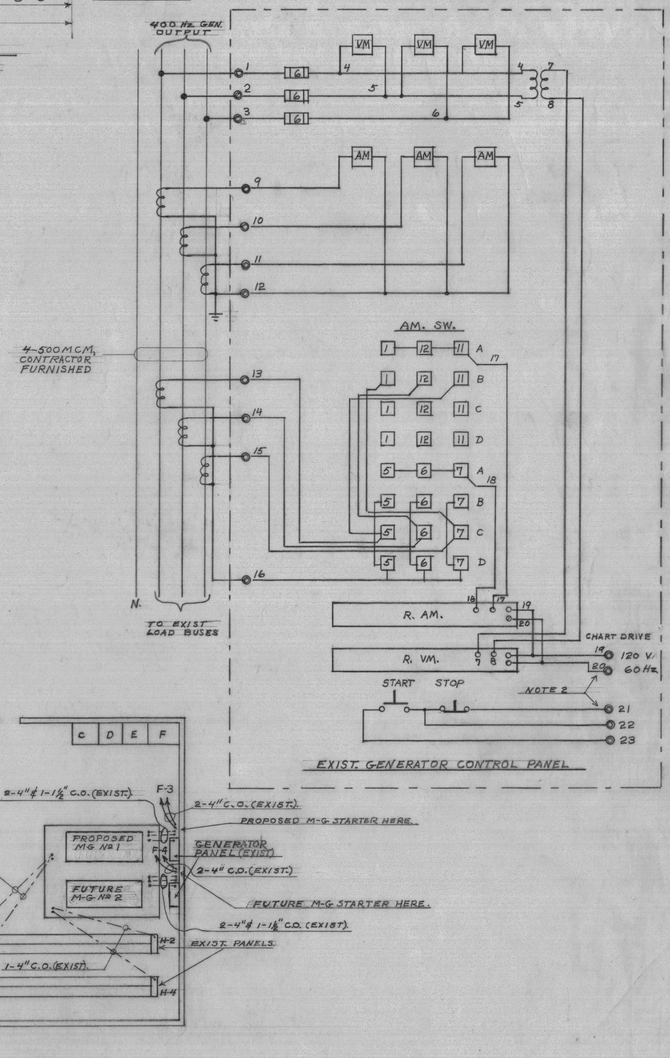
SITE PLAN
SCALE 1"=40'

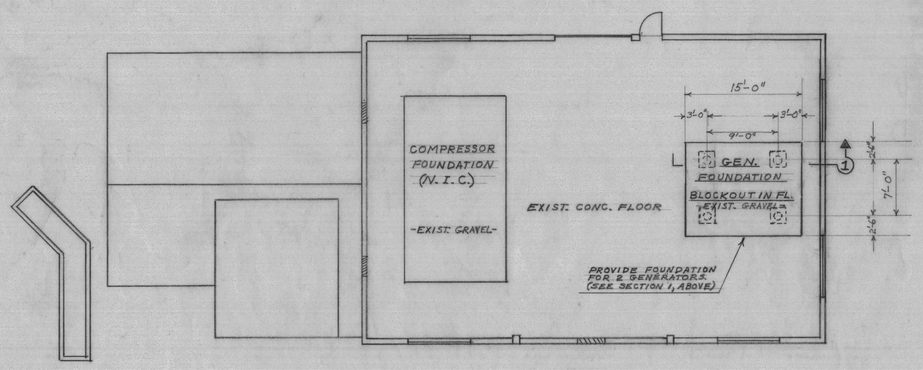


SECTION "1"
SCALE: 1/2"=1'-0"

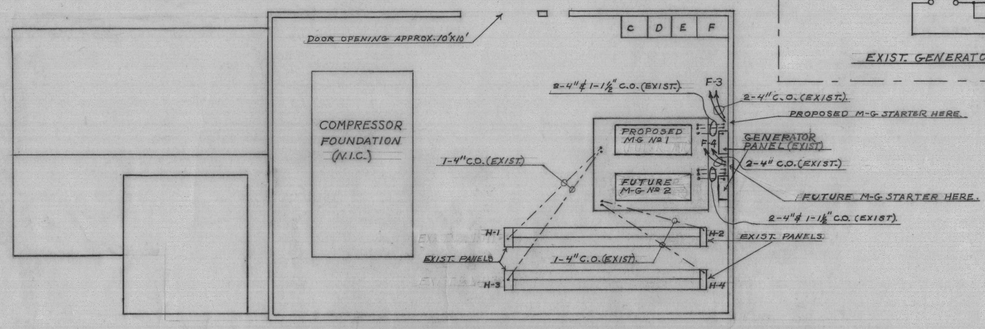


BASIC 1-LINE WIRING DIAG.

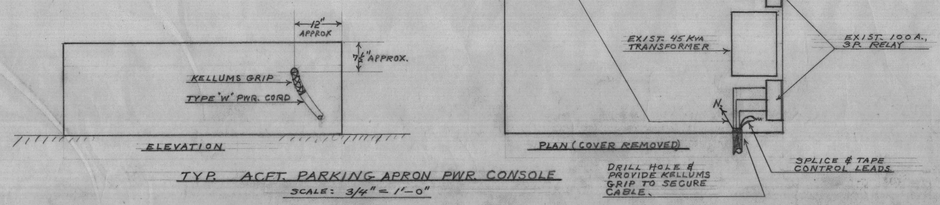




FLOOR PLAN
SCALE: 1/8"=1'-0"



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



TYP. ACFT. PARKING APRON PWR. CONSOLE
SCALE: 3/4" = 1'-0"

NOTES:

1. EXTEND EXIST. 1½" C., AS REQ'D, TO REACH GEN. OUTPUT J.B./PANEL. INSTALL GOV'T. FURN. CURRENT TRANSFORMERS (DOUGHNUT-TYPE W/1½" ϕ HOLE) AHEAD OF JUNCTION IN GEN. OUTPUT LEADS & CONNECT AS INDICATED ON CONTROL PANEL SCHEMATIC, ABOVE. IF SPACE IN GEN. OUTPUT JB/PANEL IS INADEQUATE TO HOUSE THE S/X CT's, PROVIDE A SUITABLE ALUMINUM ENCLOSURE (MIN. 18 GA.) W/ SCREW-FASTENED COVER. CONNECTIONS SHALL INCLUDE VOLTMETER CIRCUIT (TERMINALS 1, 2, & 3.). CONDUCTORS SHALL BE #12 THW.
2. 120 V, 60 Hz SUPPLY EXISTS WITHIN CONTROL PANEL ENCLOSURE. CONNECT TO TERMINALS 19 & 20. PROVIDE 3 #12 THW IN ½" C. BETWEEN CONTROL PANEL & MOTOR-STARTER FOR REMOTE START-STOP OPERATION.
3. GOVT. FURN. PWR. CABLES ARE 100' LONG WITH A PLUG ON EACH END. THE CONTRACTOR SHALL CUT EACH CABLE INTO TWO LENGTHS, 1-60' & 1-40'. A PAIR CONSISTING OF THESE TWO LENGTHS SHALL BE INSTALLED AT EACH OF 25 CONSOLES, AS DIRECTED BY THE OFFICER-IN-CHARGE. FOR GENERAL LOCATION OF CONSOLES, SEE NAVFAC DRAWING No 1,286,467, SHEET 26 OF 28 ON FILE IN NAS WHIDBEY IS. PUBLIC WORKS ENG. OFFICE, BLDG. 20, SEAPLANE BASE.
4. EXIST. TEMPORARY MOTOR-GENERATOR W/BE REMOVED BY THE GOV'T. PRIOR TO START OF CONTRACT WORK.

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

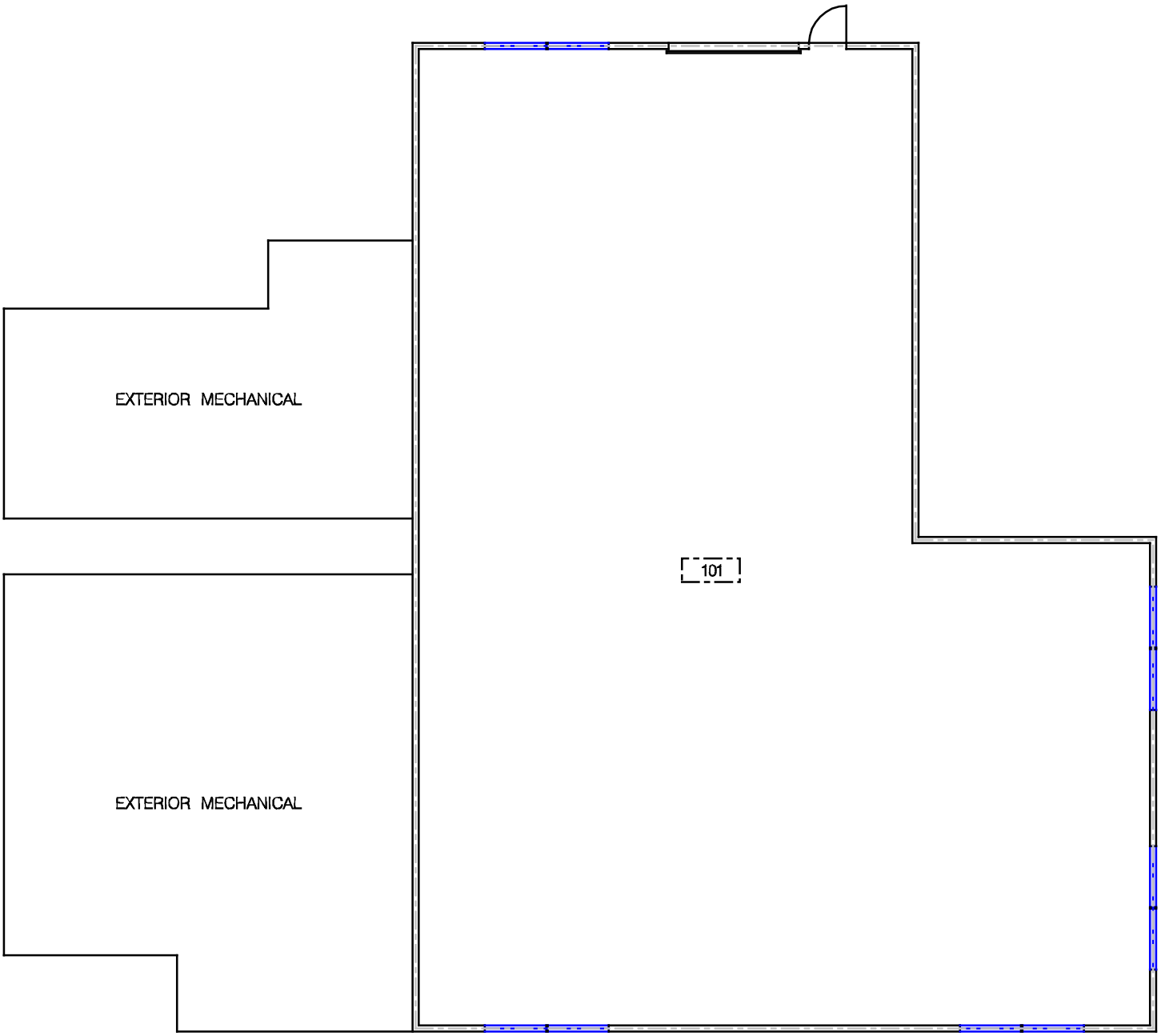
P. W. DWG. 71-121	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
DES. W.H. EVANS DRWN.	U. S. NAVAL AIR STATION, WHIDBEY ISLAND
ARCH.	OAK HARBOR, WASHINGTON
MECH.-ELEC. W.H.E.	INSTALL 60/400 Hz FREQUENCY
STRUCT.-CIVIL	CONVERTER IN BLDG. 2528
CHK.	
SUPV. EVANS	
IN CHARGE W.H.E.	
APPROVED DATE 9/1/71 OFFICER IN CHARGE	SIZE: CODE IDENT. NO. 80091 — NAVFAC DRAWING NO. 6,005,507
	CONSTR. CONTR. NO. N62477-72-C-4529
SCALE AS NOTED	SPEC 372-4529 SHEET 1 OF 1

File 2528

71-121

1 of 1

13ND NAVW 11018/A (PW 8-69)

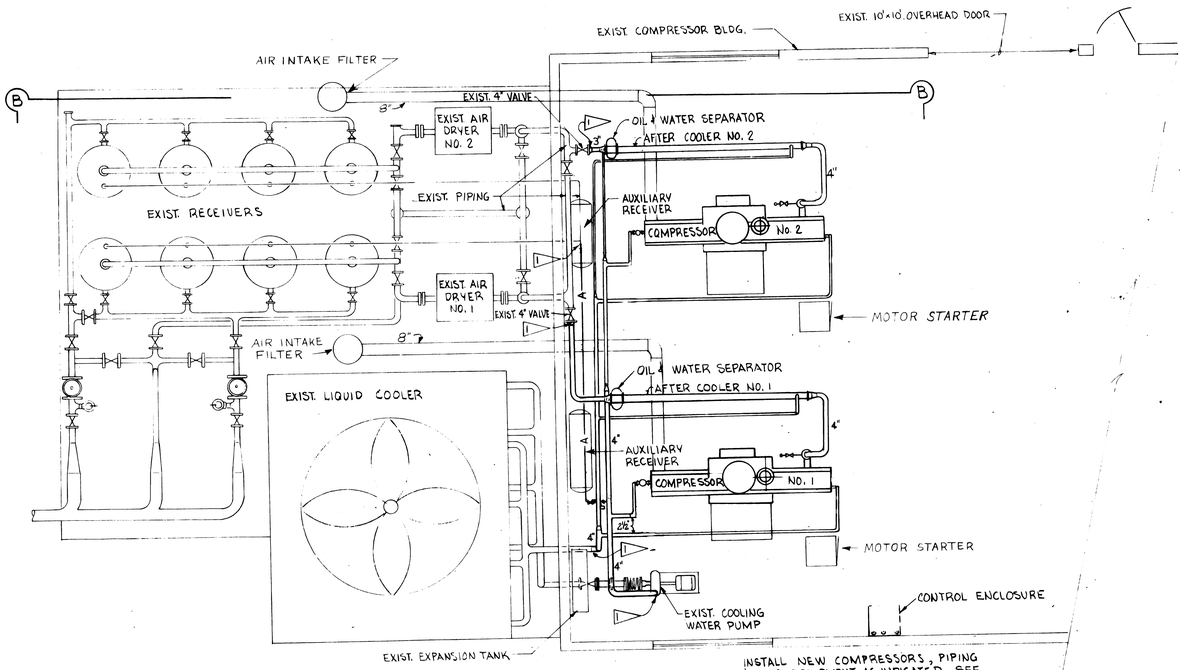


BUILDING 2528

FIRST FLOOR PLAN

...\main\flrplan\a_2528_1.dgn Apr. 02, 2001 14:14:13

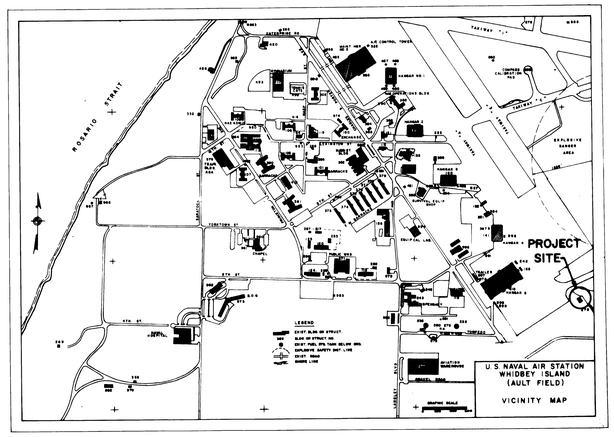
REVISIONS				
SYM.	BY	DESCRIPTION	DATE	APPROVED
	JAR	AS BUILT CONDITIONS NOTED	5/9/72	R.W. Wolf

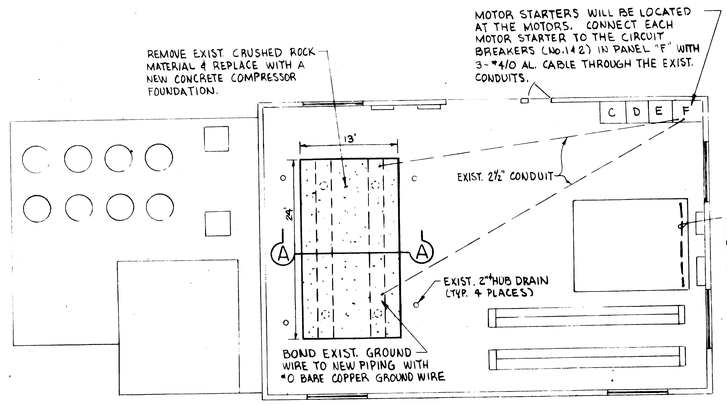


INSTALL NEW COMPRESSORS, PIPING & MISC. EQUIPMENT AS INDICATED. SEE NAVFAC DWG NO. 1,385,015 FOR SCHEMATIC LAYOUT.

COMPRESSOR AIR & WATER PIPING PLAN

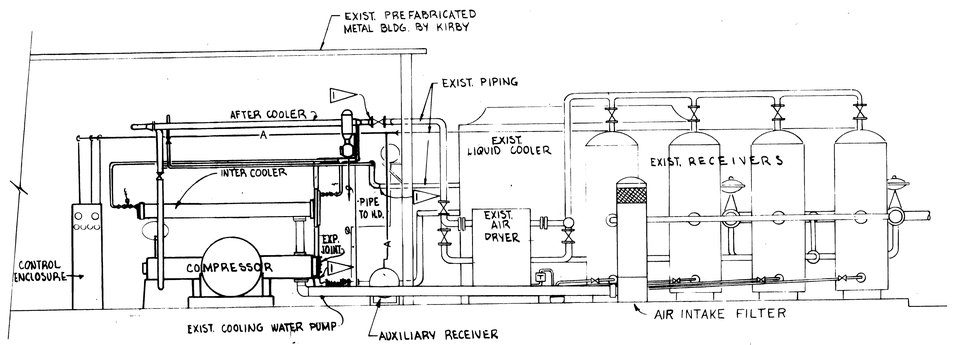
1/4" = 1'-0"





COMPRESSOR BLDG. - FLOOR PLAN

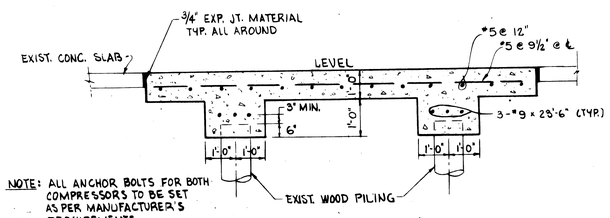
1/8" = 1'-0"



SECTION "B-B"

1/4" = 1'-0"

▷ REMOVE EXIST. BLIND FLANGE, CAP OR PLUG & CONNECT NEW PIPING.



NOTE: ALL ANCHOR BOLTS FOR BOTH COMPRESSORS TO BE SET AS PER MANUFACTURER'S REQUIREMENTS

SECTION "A-A"

1/2" = 1'-0"

1/8" = 1'-0" 1'0 5 10 15 20 25
1/4" = 1'-0" 1' 0 1 2 3 4 5 10 15
1/2" = 1'-0" 1' 6" 0 1 2 3 4 5 10

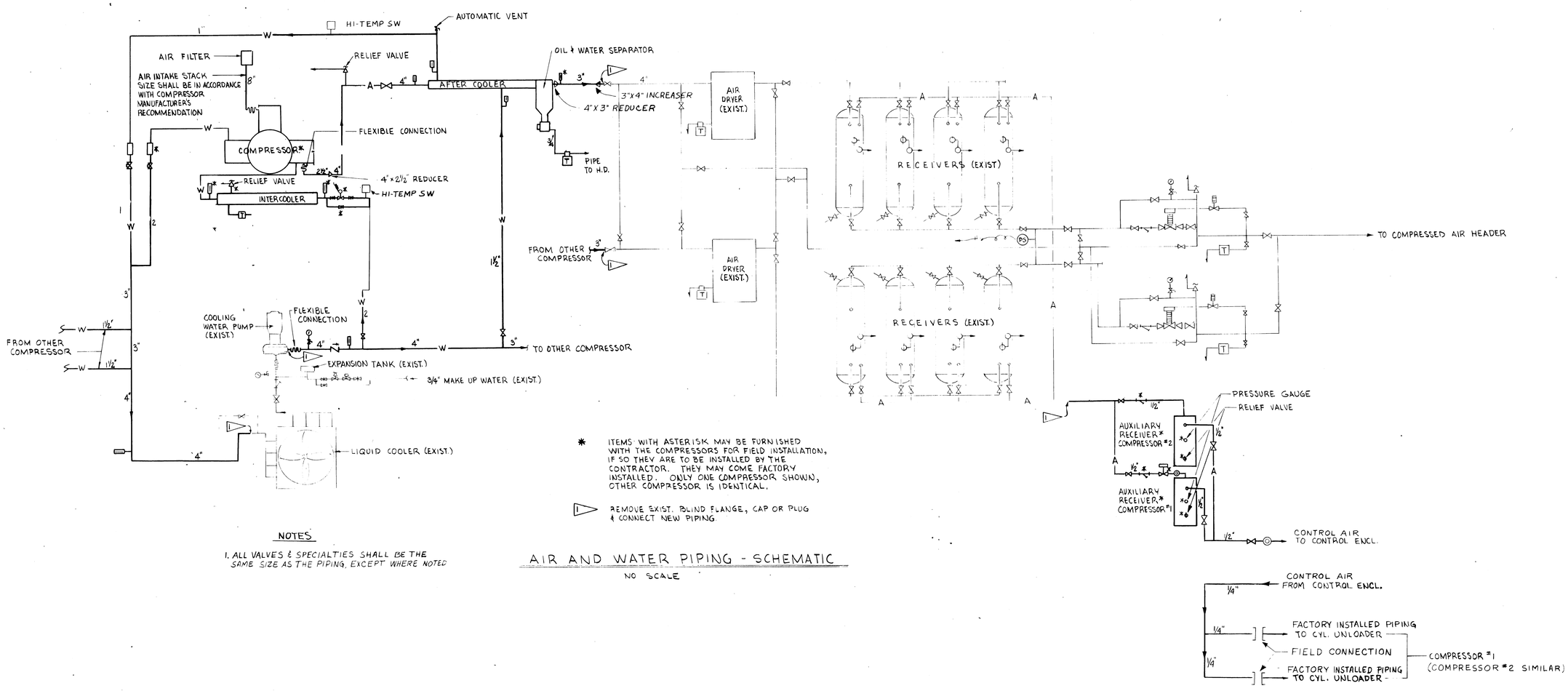
RECORD DRAWING
SHT 1 of 2
LETTER DATED 10 MAY 1972

NFD DWG. NO.	DEPT. OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
DES. F.T.K. DR.	WESTERN DIVISION
CHECKED	SAN BRUNO, CALIFORNIA 94066
PROJ. ENGR.	U.S. NAVAL AIR STATION — WHIDBEY ISLAND, WASHINGTON
ENGINEER DIR.	INSTALL AIR COMPRESSORS FOR AIR START SYSTEM
RES. RE ENGR. FRED T. KASHIWARA P.E.	PLAN
DIRECTOR	
APPROVED DATE	SIZE F — CODE IDENT. NO. 80091 — NAVFAC DRAWING NO. 1,385,014
SATISFACTORY TO DATE	CONSTR. CONTR. NO. N62474-71-C-4114
TITLE PWD, WA DATE	SCALE: NOTED — SPEC. 13-71-4114 — SHEET 2 OF 2

(N. Tech. Files)
File Bldg. 2528

1385014

REVISIONS				
SYM.	BY	DESCRIPTION	DATE	APPROVED
	JAR	AS BUILT CONDITIONS NOTED	5/10/72	R. Wolf



* ITEMS WITH ASTERISK MAY BE FURNISHED WITH THE COMPRESSORS FOR FIELD INSTALLATION, IF SO THEY ARE TO BE INSTALLED BY THE CONTRACTOR. THEY MAY COME FACTORY INSTALLED. ONLY ONE COMPRESSOR SHOWN, OTHER COMPRESSOR IS IDENTICAL.

1 REMOVE EXIST. BLIND FLANGE, CAP OR PLUG & CONNECT NEW PIPING.

NOTES

1. ALL VALVES & SPECIALTIES SHALL BE THE SAME SIZE AS THE PIPING, EXCEPT WHERE NOTED

AIR AND WATER PIPING - SCHEMATIC

NO SCALE

LEGEND

	GATE VALVE		SIGHT GLASS
	GLOBE VALVE	T	DRIP TRAP
	PRESSURE REDUCING VALVE		CHECK VALVE
	CONTROL VALVE		AIR DRYER
	THERMOMETER		RELIEF VALVE
	GAUGE & COCK	—A—	AIR PIPING
	PLUG COCK	—W—	WATER PIPING
	WYE STRAINER	PS	PRESSURE SWITCH SET AT 150 PSIG TO SIGNAL CONTROL CONSOLE
	SOLENOID VALVE	HD	HUB DRAIN
	NEW - THIS CONTRACT		EXISTING

EQUIPMENT SCHEDULE

COMPRESSOR (NEW-THIS CONTRACT)	450 SCFM, 250 PSIG, 125 HP, 480V
RECEIVER (EXISTING)	VERTICAL, 42"Φ x 10' H, 96 CF, ASME 300#
LIQUID COOLER (EXISTING)	100 GPM, ENT. @ 116°F., LEAVE @ 90°F., P.D. 6.8#, TOP LOAD 1,126 MBH, AMB. AIR 85°F., FAN 25 HP, 480 V
COOLING WATER PUMP (EXISTING)	100 GPM, 120 FT. TDH, 7½ HP, 1750 RPM
PRE. RED VALVE (EXISTING)	27,000 SCFM @ 150 PSIG FROM 250 PSIG TO 150 PSIG
DRYER (EXISTING)	REFRIGERATED 575 SCFM @ 250 PSIG, 300 PSIG MAX., ATMOSPHERIC DEW POINT -12°F., 4" FLG AIR CONNECTION, 4 HP COMPR. 480 V - 3Φ, WEATHERPROOF CONSTRUCTION.

RECORD DRAWING
2 2
LETTER DATED 10 MAY 1972

EFD DWG. NO.	DEPT. OF THE NAVY — NAVAL FACILITIES ENGINEERING COMMAND
DES. F.T.K. DR.	WESTERN DIVISION — SAN BRUNO, CALIFORNIA 94066
CHECK'D Lawrence R. Wong	U.S. NAVAL AIR STATION — WHIDBEY ISLAND, WASHINGTON
FIRE PROT. ENG'R. Henry L. Mrachek	INSTALL AIR COMPRESSORS FOR AIR START SYSTEM
BRANCH MGR. J. H. Watson	AIR AND WATER PIPING - SCHEMATIC
ENG. IN ENG. FRED T. KAWAHARA P.E.	
DIRECTOR	
APPROVED R. M. Cagle DATE 3-3-71	SIZE F — CODE IDENT. NO. 80091 — NAVFAC DRAWING NO. 1,385,015
EFD FOR COMMANDER, NAVFAC	CONSTR. CONTR. NO. N62474-71-C-4114
SATISFACTORY TO J. C. Sweeney COR, CEC, OSN 2-18-71	SCALE: NONE — SPEC. 13-71-4114 — SHEET 2 OF 2
TITLE PWO, NAS WHIDBEY DATE	

1 ON 105 FILM

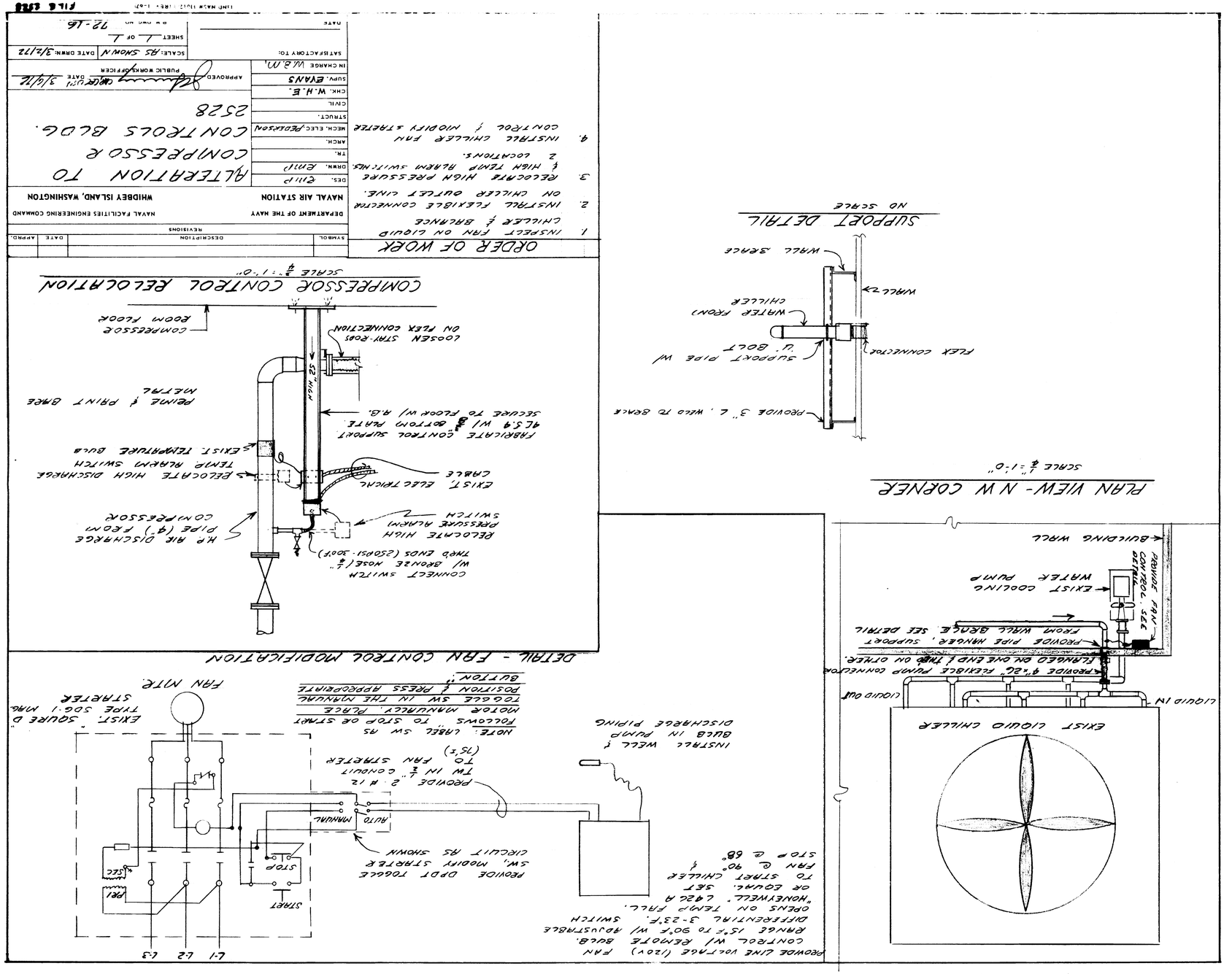
File Bldg 2528

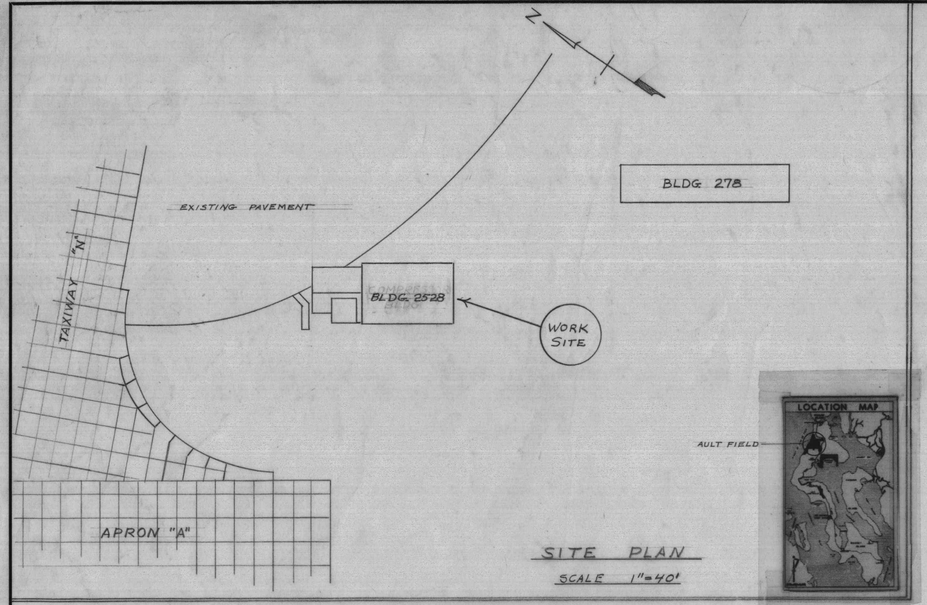
Install Air Compressors for Air Start Sys.
N62474-71-C-4114
2 of 2

1385015

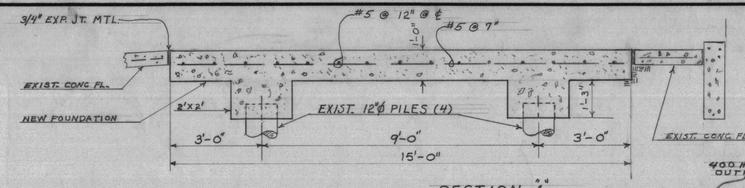
Alterations to Compressor Controls
PW 72-16
1 of 1

72-16

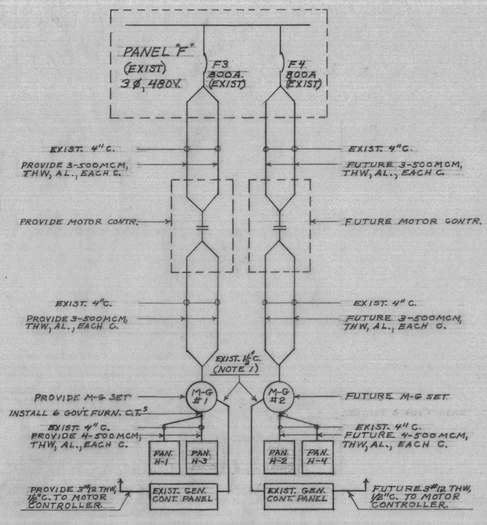




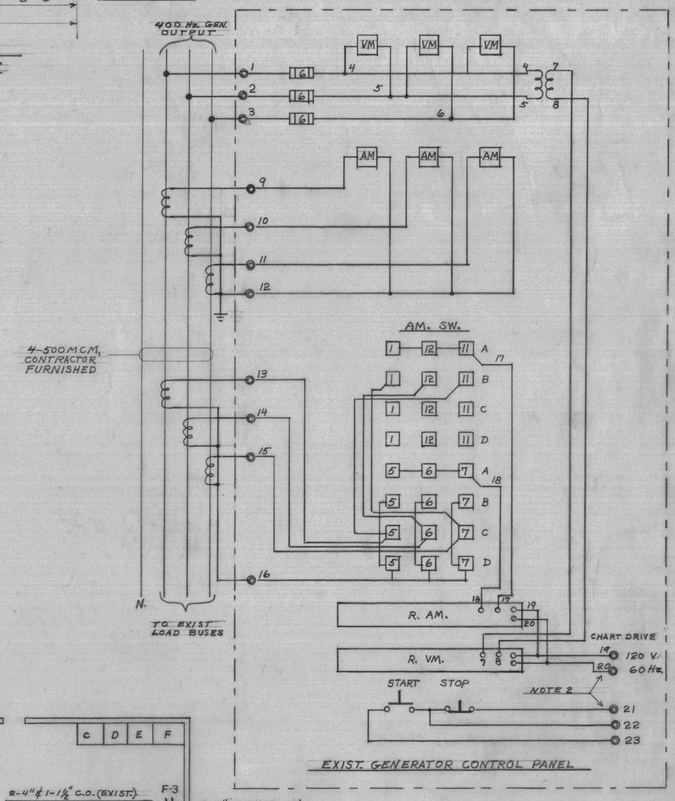
SITE PLAN
SCALE 1"=40'



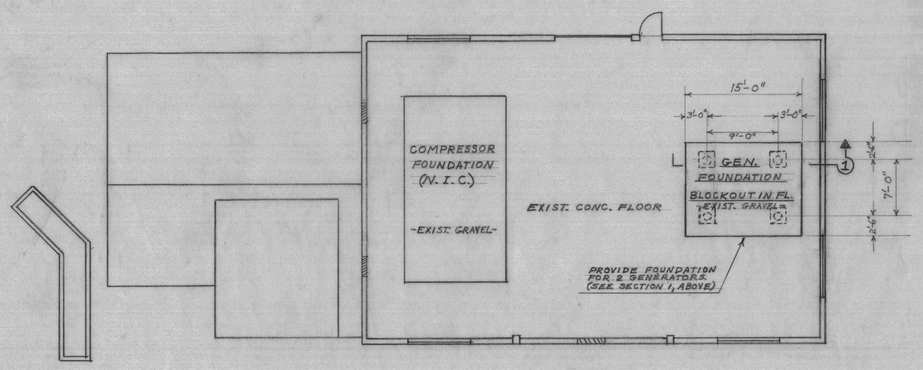
SECTION 1
SCALE: 1/2"=1'-0"

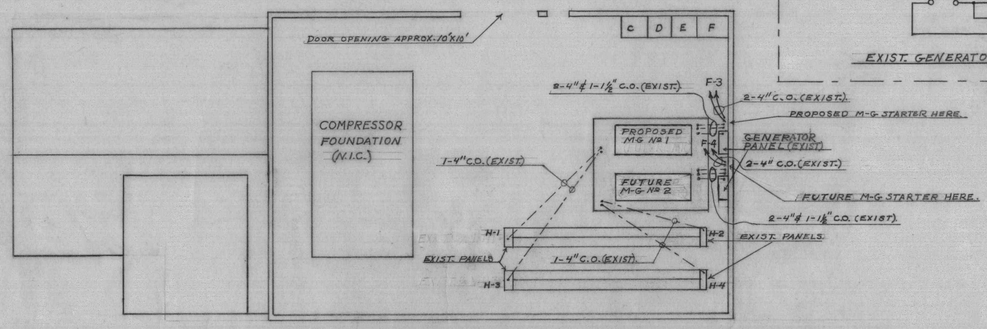


BASIC 1-LINE WIRING DIAG.

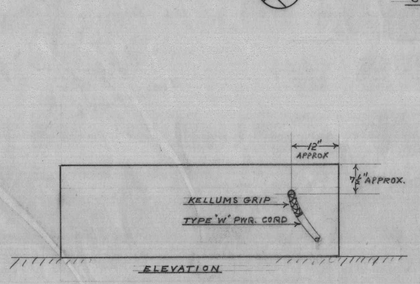


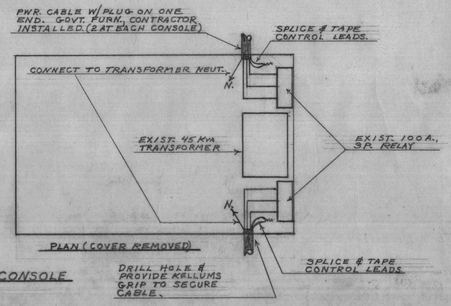
EXIST. GENERATOR CONTROL PANEL





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





TYP. ACFT. PARKING APRON PWR. CONSOLE
SCALE: 3/4" = 1'-0"

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

NOTES:

1. EXTEND EXIST. 1½" C., AS REQ'D, TO REACH GEN. OUTPUT J.B./PANEL. INSTALL GOV'T. FURN. CURRENT TRANSFORMERS (DOUGHNUT-TYPE W/1½" Ø HOLE) AHEAD OF JUNCTION IN GEN. OUTPUT LEADS & CONNECT AS INDICATED ON CONTROL PANEL SCHEMATIC, ABOVE. IF SPACE IN GEN. OUTPUT J.B./PANEL IS INADEQUATE TO HOUSE THE S/X C.T.'S, PROVIDE A SUITABLE ALUMINUM ENCLOSURE (MIN. 18 GA.) W/ SCREW-FASTENED COVER. CONNECTIONS SHALL INCLUDE VOLTMETER CIRCUIT (TERMINALS 1, 2, & 3.). CONDUCTORS SHALL BE #12 THW.
2. 120 V, 60 Hz SUPPLY EXISTS WITHIN CONTROL PANEL ENCLOSURE. CONNECT TO TERMINALS 19 & 20. PROVIDE 3-#12 THW IN ½" C. BETWEEN CONTROL PANEL & MOTOR-STARTER FOR REMOTE START-STOP OPERATION.
3. GOVT. FURN. PWR. CABLES ARE 100' LONG WITH A PLUG ON EACH END. THE CONTRACTOR SHALL CUT EACH CABLE INTO TWO LENGTHS, 1-60' & 1-40'. A PAIR CONSISTING OF THESE TWO LENGTHS SHALL BE INSTALLED AT EACH OF 25 CONSOLES, AS DIRECTED BY THE OFFICER-IN-CHARGE. FOR GENERAL LOCATION OF CONSOLES, SEE NAVFAC DRAWING NO 1,286,467, SHEET 26 OF 28 ON FILE IN NAS WHIDBEY IS. PUBLIC WORKS ENG. OFFICE, BLDG. 20, SEAPLANE BASE.
4. EXIST. TEMPORARY MOTOR-GENERATOR W/BE REMOVED BY THE GOV'T. PRIOR TO START OF CONTRACT WORK.

SYMBOL	DESCRIPTION	DATE	APPROVAL
	REVISIONS		

P. W. DWG. 71-121	DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
DES. W.H. EVANS DRWN.	U. S. NAVAL AIR STATION, WHIDBEY ISLAND
ARCH.	OAK HARBOR, WASHINGTON
MECH.-ELEC. W.H.E.	INSTALL 60/400 Hz FREQUENCY
STRUCT.-CIVIL	CONVERTER IN BLDG. 2528
CHK.	
SUPV. EVANS	
IN CHARGE W.H.E.	
APPROVED DATE 7/7/71 OFFICER IN CHARGE	SIZE: CODE IDENT. NO. 80091 — NAVFAC DRAWING NO. 6,005,507
	CONSTR. CONTR. NO. N62477-72-C-4529
SCALE AS NOTED	SPEC 1372.4529 SHEET 1 OF 1

File 2528

121

1 of 1

13ND NAVW 11018/A (PW 8-68)

Wastewater Pre-Treat
Facilities
N44255-96-D-0191
Full Set in Sewer

EASI FILE CORP IRVINE CA

SEE SEWAGE TREATMENT FOR COMPLETE PLAN

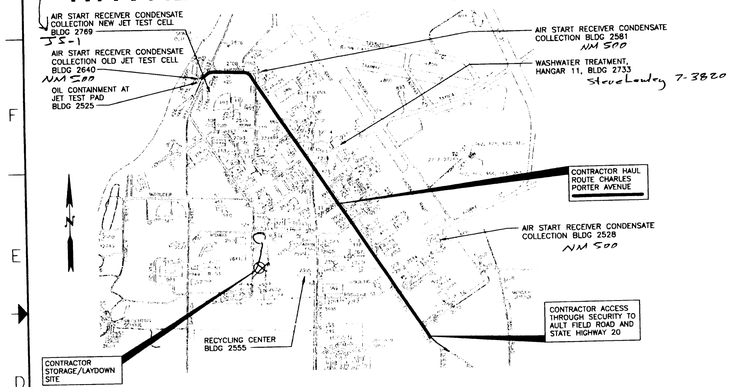
INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES

MILITARY CONSTRUCTION PROJECT P-126A

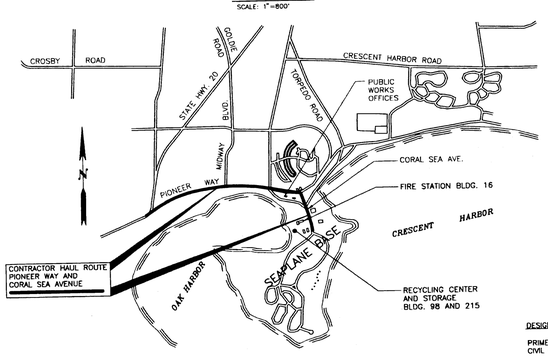
NAVAL AIR STATION, WHIDBEY ISLAND, OAK HARBOR WASHINGTON

JS-1 From PWD
Key Checked out to PWD W. 3/9/18

2796



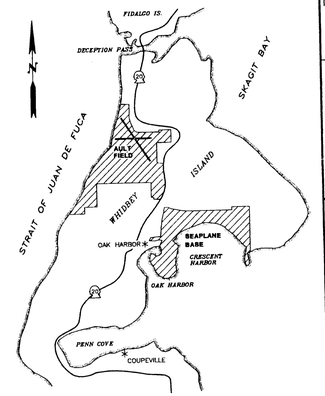
AULT FIELD
LOCATION MAP
SCALE: 1"=800'



SEAPLANE BASE
LOCATION MAP
SCALE: 1"=2,000'

INDEX TO DRAWINGS

SHT NO.	DWG NO.	TITLE
T-1	8073495	TITLE SHEET
C-1	8073534	CIVIL GENERAL NOTES AND LEGEND
C-2	8073496	OIL CONTAINMENT AT JET TEST PAD, BLDG 2525, PLAN AND DETAILS
C-3	8073497	OIL CONTAINMENT AT JET TEST PAD, BLDG 2525, PROFILE AND DETAILS
C-4	8073498	SANITARY SEWER REVISIONS BLDG 16 AND 2555
ME-1	8073499	MECHANICAL AND ELECTRICAL GENERAL NOTES AND LEGEND
M-2	8073500	AIR START RECEIVER CONDENSATE COLLECTION, BLDGS 2528 & 2581
M-3	8073501	AIR START RECEIVER CONDENSATE COLLECTION, BLDGS 2640 & 2769
M-4	8073502	AIR START RECEIVER CONDENSATE COLLECTION DETAILS
M-5	8073503	RECYCLING CENTERS PLUMBING REVISIONS, BLDGS 98, 215 & 2555
M-6	8073504	WASHWATER TREATMENT, HANGAR 11, BLDG 2733
M-7	8073505	WASHWATER TREATMENT, HANGAR 11, BLDG 2733, DETAILS
E-2	8073506	WASHWATER TREATMENT, HANGAR 11, BLDG 2733 AIR START RECEIVER CONDENSATE COLLECTION, BLDG 2528



NAS WHIDBEY ISLAND
VICINITY MAP
NTS

REVISIONS				
REV	DESCRIPTION	BY	CHK	SUPV

DESIGN TEAM

PRIME CONSULTANT
CIVIL AND UTILITY ENGINEERING:
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19031 33RD AVE. W., SUITE 301
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1201 3RD AVE., SUITE 805
SEATTLE, WA. 98101
(206) 682-3910 FAX (206) 682-3916

REGISTERED PROFESSIONAL ENGINEER — EXPIRES 11/13/97

GRAPHIC SCALE
SCALE IN FEET: 800 0 800 1,600 — SCALE 1"=800'
SCALE IN FEET: 2,000 0 2,000 4,000 — SCALE 1"=2,000'

A-E STAMP — EXPIRES 4/15/99

CONCURRENCE DATE
TITLE
APPROVED DATE
SATISFACTORY TO DATE
TITLE

IF SHEET IS LESS THAN 28" x 40" IT IS A REDUCED PRINT SCALE REDUCED ACCORDINGLY

DRG/PLNR - SHEET T-1

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
ENGINEERING FIELD ACTIVITY, NORTHWEST
POULSBO, WASHINGTON
OAK HARBOR
NAVAL AIR STATION WHIDBEY ISLAND
INDUSTRIAL WASTEWATER PRETREATMENT FACILITIES
FY-95 MCON PROJECT P-126A

TITLE SHEET

SIZE	CODE IDENT. NO.	NAVFAC DRAWING NO.
F		8073495

CONTR. CONTR NO. N44255-96-C-0191
SCALE: AS SHOWN
SPEC 12-96-0191 SHEET 1 OF 13

FOR CO ORD TOR MAC JOB NO. 8067 JAN 1997 DR ENGR JDO CHK DES ENGR DRAFTER CHIEF ENGR FINAL-PROJ MGR DIV NO

FOR COMMANDER NAVFAC