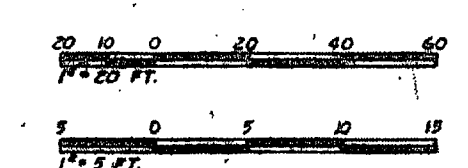
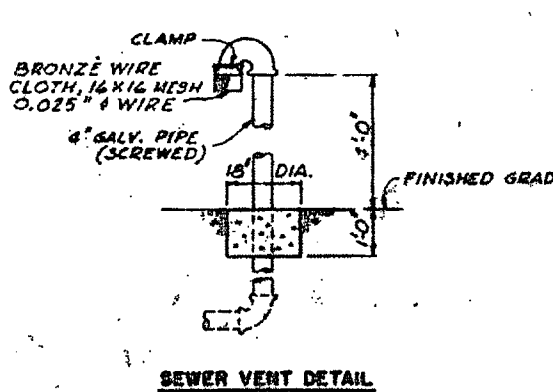
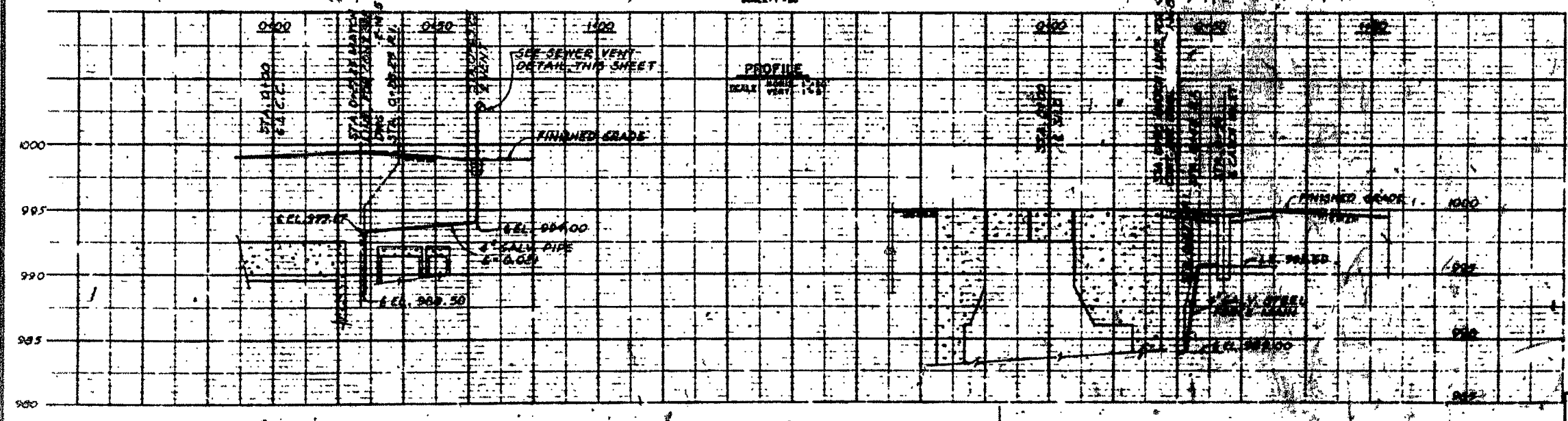
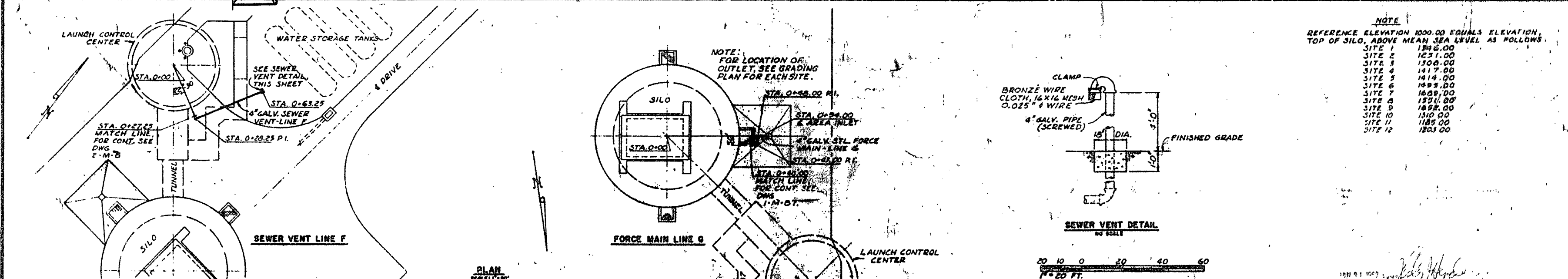
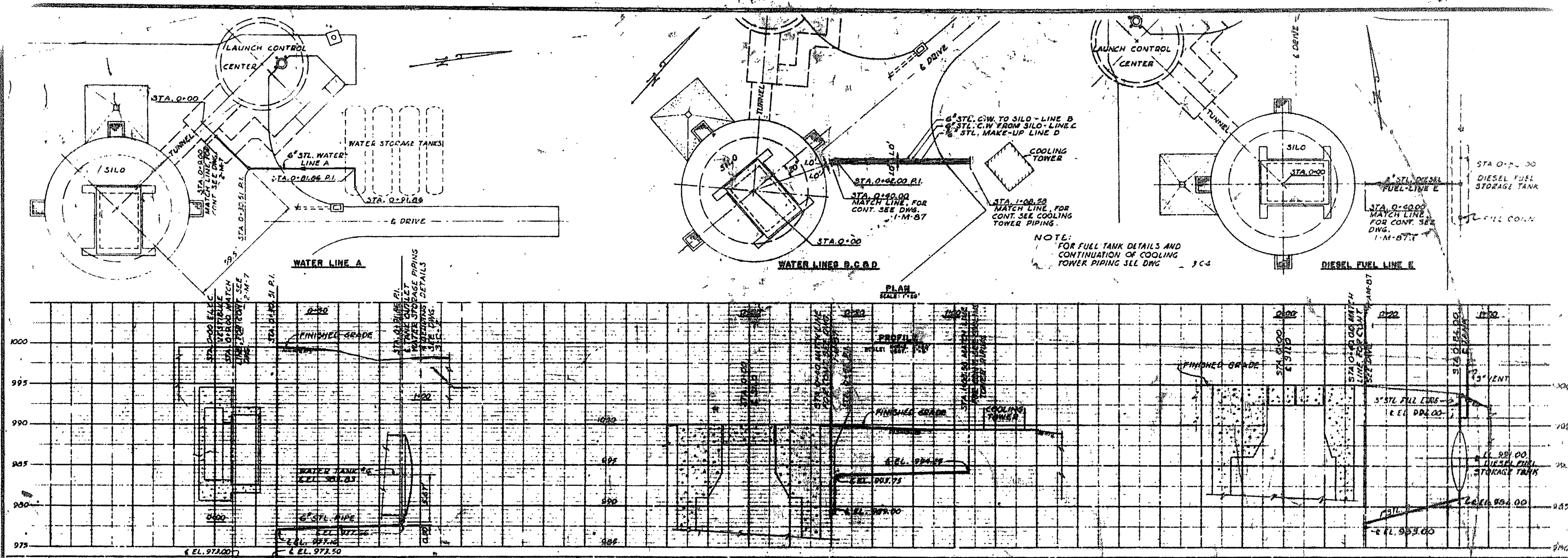


BLACK & VEATCH ENGINEERS & ARCHITECTS 1000 F STREET, N.W. WASHINGTON, D.C.		DEPARTMENT OF THE AIR FORCE 48-5074-1 OPERATIONAL SACS LOGS & A.R. NEBRASKA 500-151	
DATE: 10/1/50 DRAWN BY: [Signature] CHECKED BY: [Signature]	SCALE: 1" = 100 MILES NORTH ARROW	500-151-100 500-151-101 500-151-102 500-151-103 500-151-104 500-151-105 500-151-106 500-151-107 500-151-108 500-151-109 500-151-110	

1-10 1-15 1-20 1-25 1-30 1-35 1-40 1-45 1-50 1-55 1-60 1-65 1-70 1-75 1-80 1-85 1-90 1-95 2-00 2-05 2-10 2-15 2-20 2-25 2-30 2-35 2-40 2-45 2-50 2-55 3-00 3-05 3-10 3-15 3-20 3-25 3-30 3-35 3-40 3-45 3-50 3-55 4-00 4-05 4-10 4-15 4-20 4-25 4-30 4-35 4-40 4-45 4-50 4-55 5-00 5-05 5-10 5-15 5-20 5-25 5-30 5-35 5-40 5-45 5-50 5-55 6-00 6-05 6-10 6-15 6-20 6-25 6-30 6-35 6-40 6-45 6-50 6-55 7-00 7-05 7-10 7-15 7-20 7-25 7-30 7-35 7-40 7-45 7-50 7-55 8-00 8-05 8-10 8-15 8-20 8-25 8-30 8-35 8-40 8-45 8-50 8-55 9-00 9-05 9-10 9-15 9-20 9-25 9-30 9-35 9-40 9-45 9-50 9-55 10-00 10-05 10-10 10-15 10-20 10-25 10-30 10-35 10-40 10-45 10-50 10-55 11-00 11-05 11-10 11-15 11-20 11-25 11-30 11-35 11-40 11-45 11-50 11-55 12-00

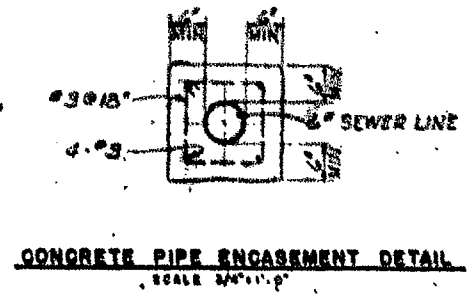
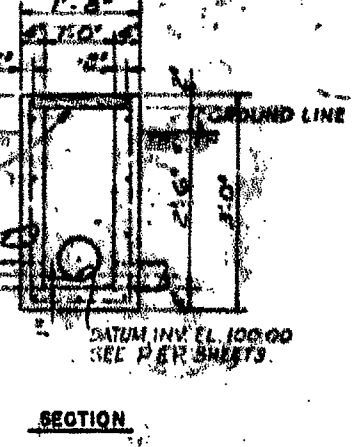
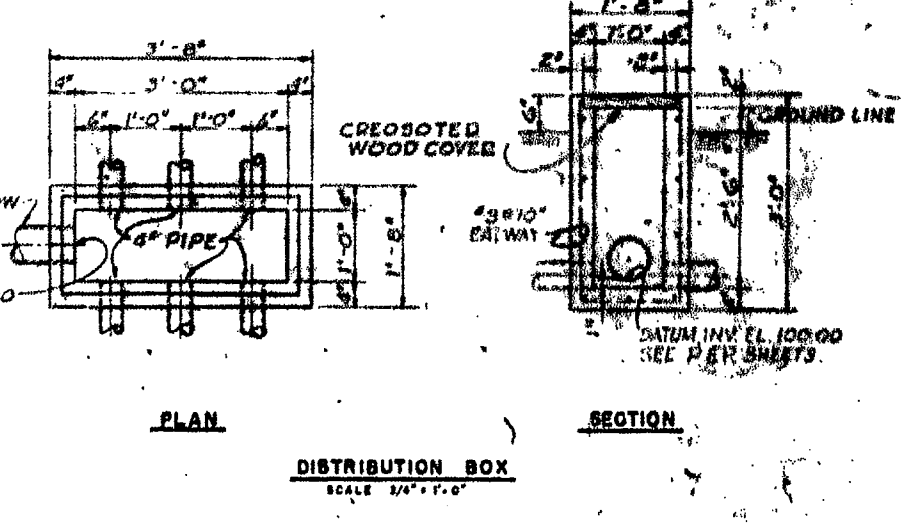
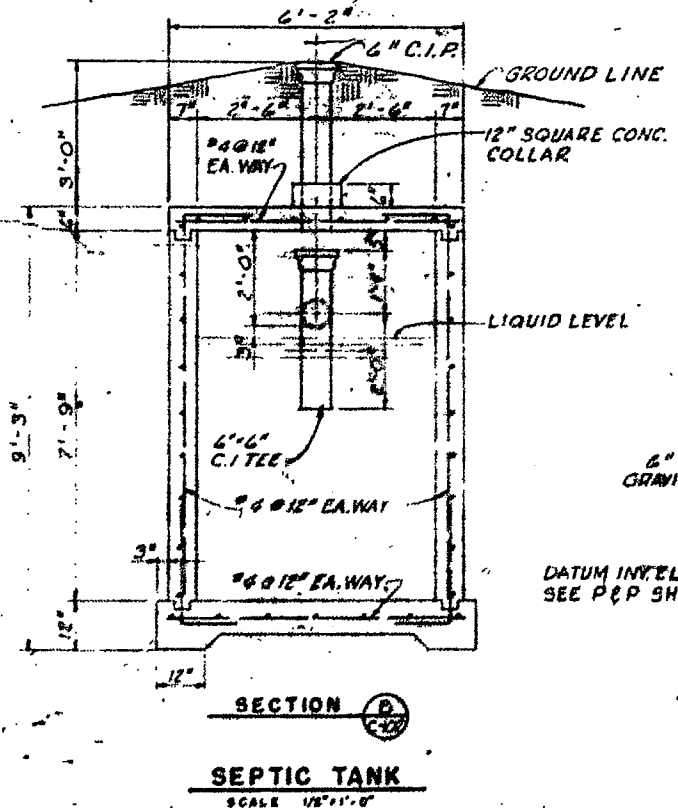
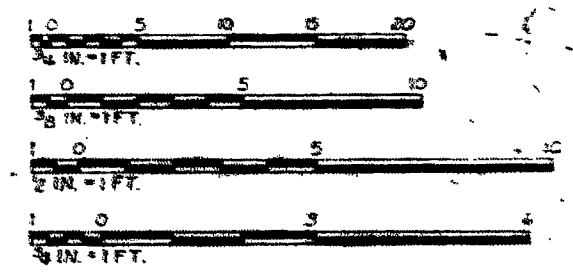
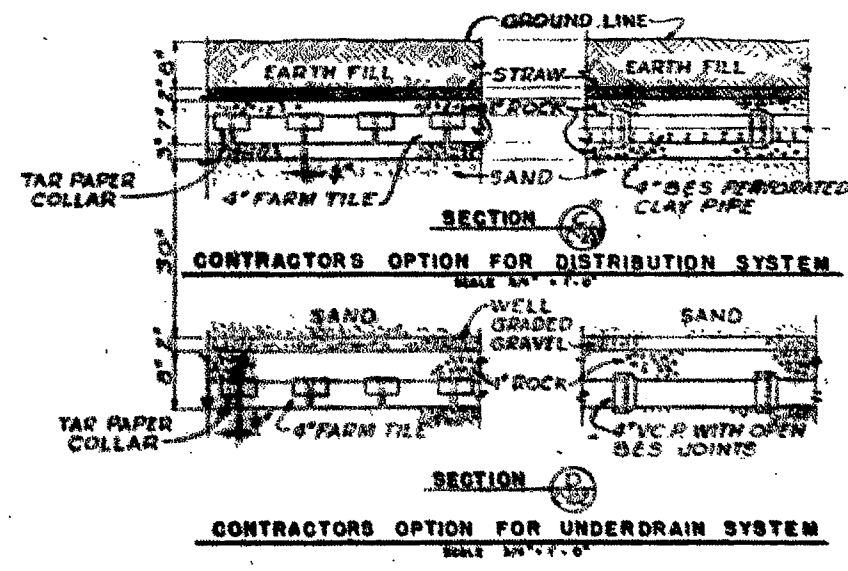
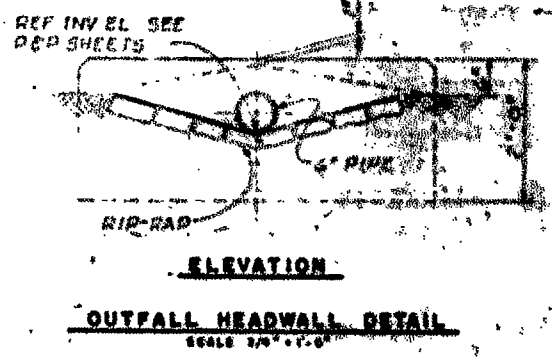
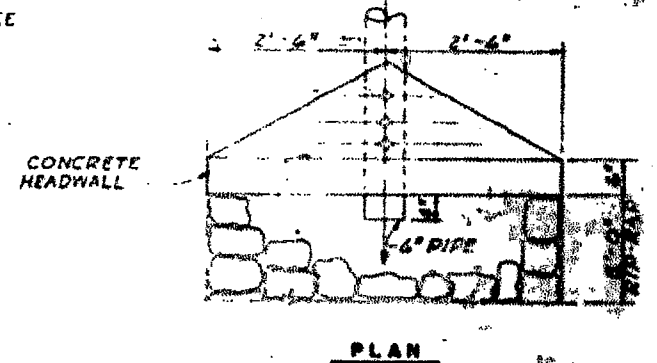
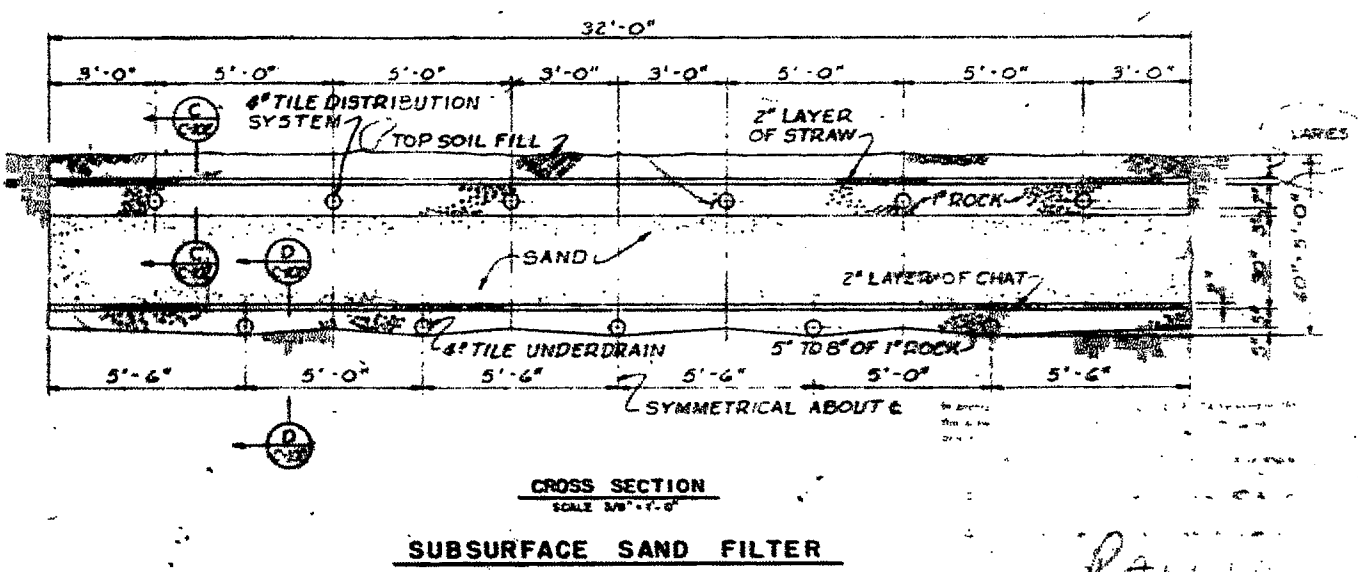
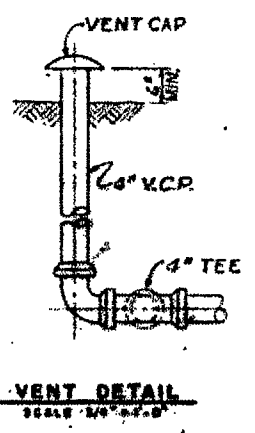
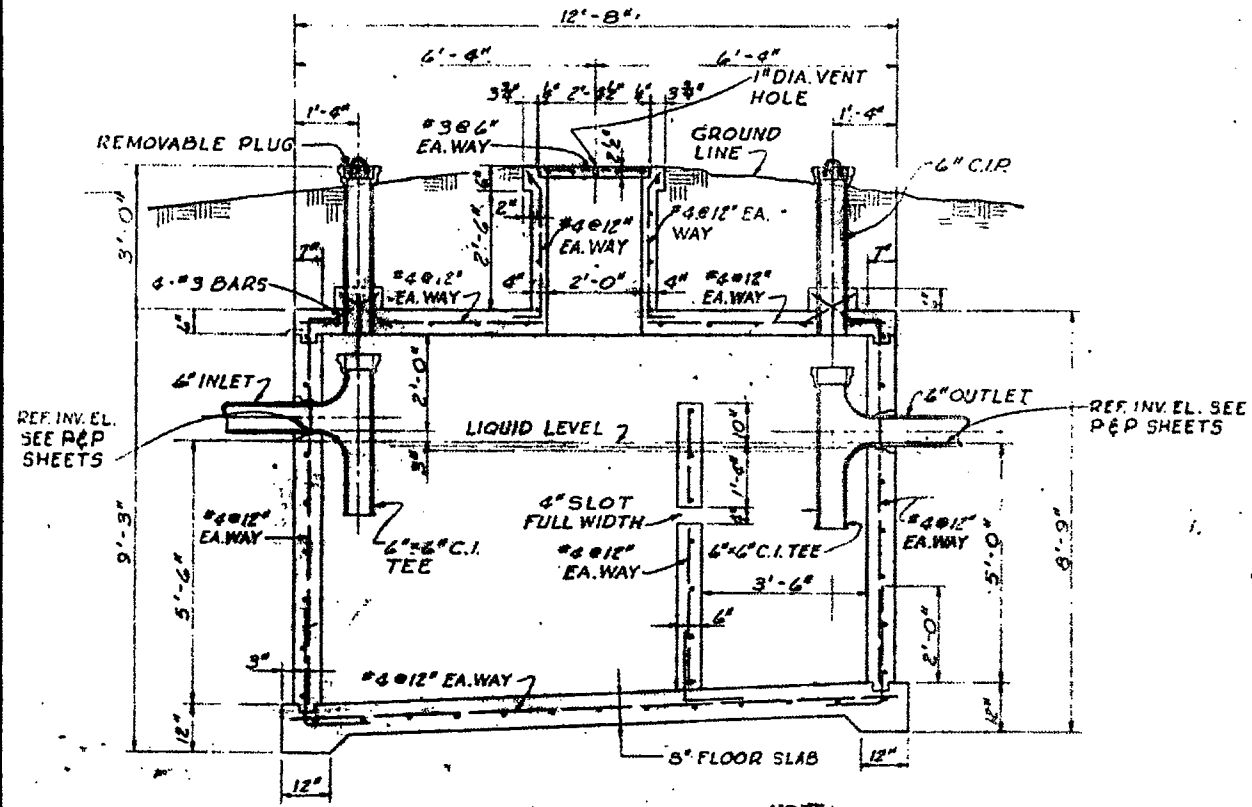
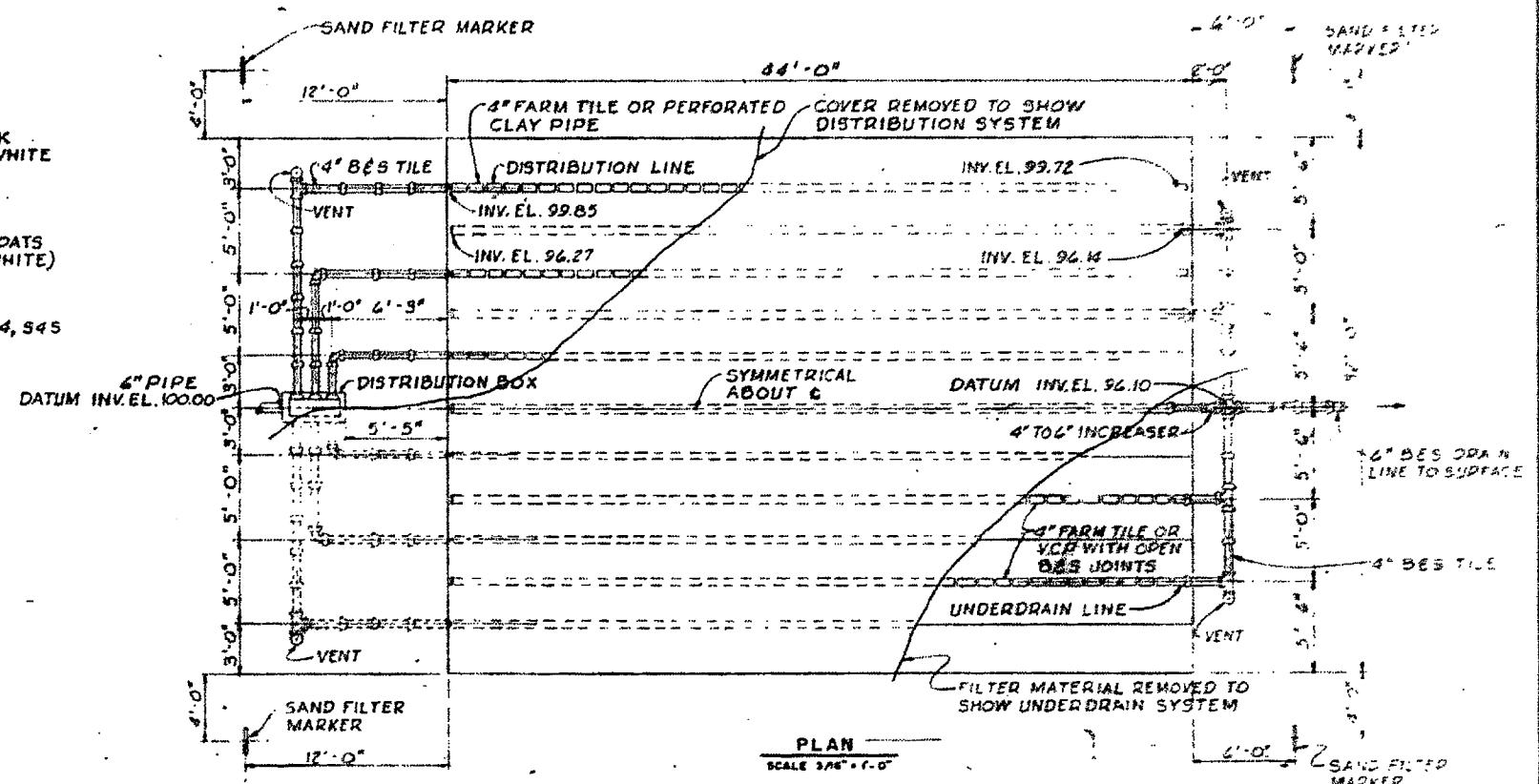
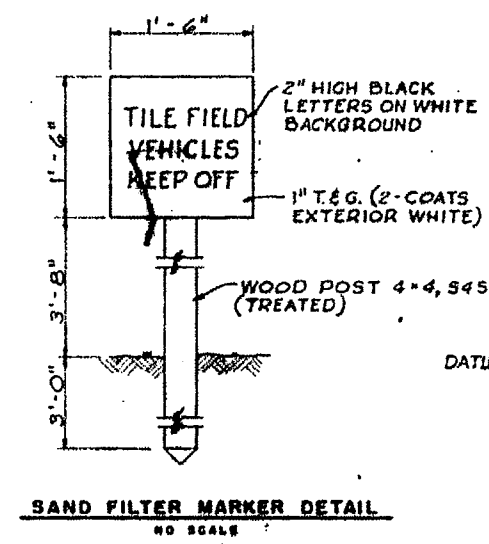
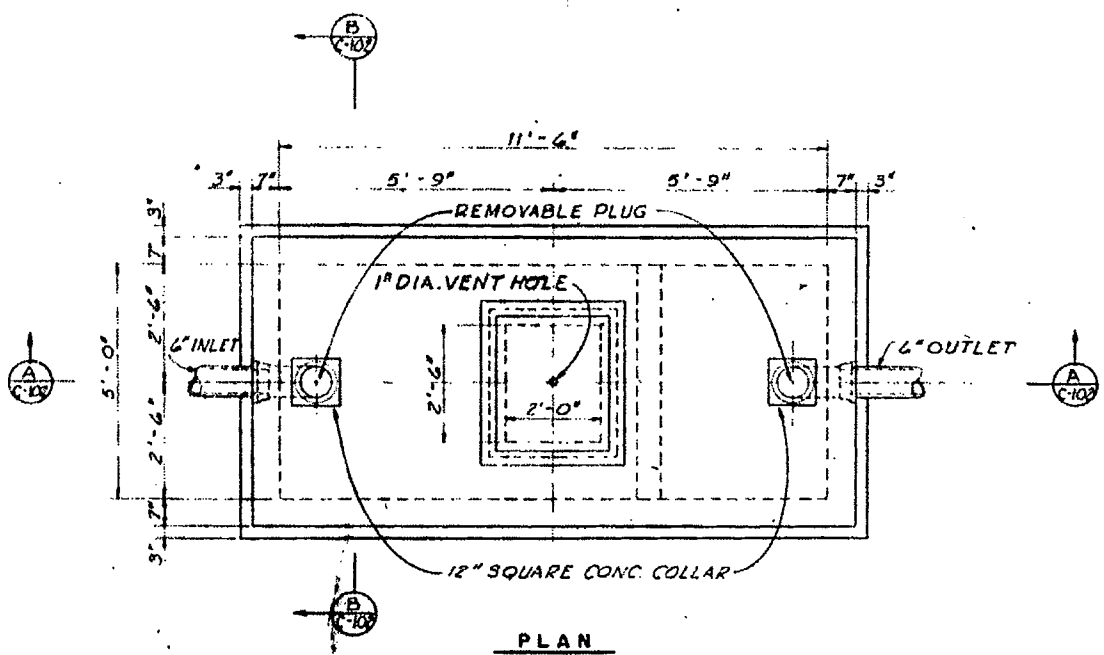


NOTE
REFERENCE ELEVATION 1000.00 EQUALS ELEVATION, TOP OF SILO, ABOVE MEAN SEA LEVEL AS FOLLOWS:

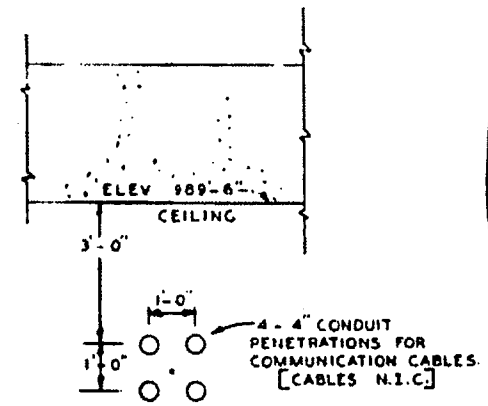
SITE 1	1251.00
SITE 2	1251.00
SITE 3	1300.00
SITE 4	1417.00
SITE 5	1414.00
SITE 6	1409.00
SITE 7	1600.00
SITE 8	1521.00
SITE 9	1622.00
SITE 10	1510.00
SITE 11	1185.00
SITE 12	1203.00

9-15-61 REV. TO SHOW CONSTR. AS-BUILT CONDITION 5-17-60 REVISED TO INCLUDE SITES 10, 11 & 12 3-19-60 REVISED IN ACCORDANCE WITH ADDENDUM NO. 2	10MCO HR RAY R.F.H. RAY R.F.H.
BLACK & VEATCH CONSULTING ENGINEERS 1000 G ST. WASHINGTON, D.C.	DEPARTMENT OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION WAGO 1000 G ST. WASHINGTON, D.C.
WS-107A-1 OPERATIONAL BASE LINCOLN A.F.B., NEBRASKA SMS-551 WATER SUPPLY FACILITIES WATER AND DIESEL LINE PLAN AND PROFILE	
DRAWING NO. 389-X-3-C-101 DATE 23 JAN 1960 SCALE AS NOTED	SPECIFICATION NO. ENG 25-084-60-52 DATE 23 JAN 1960 SCALE AS NOTED

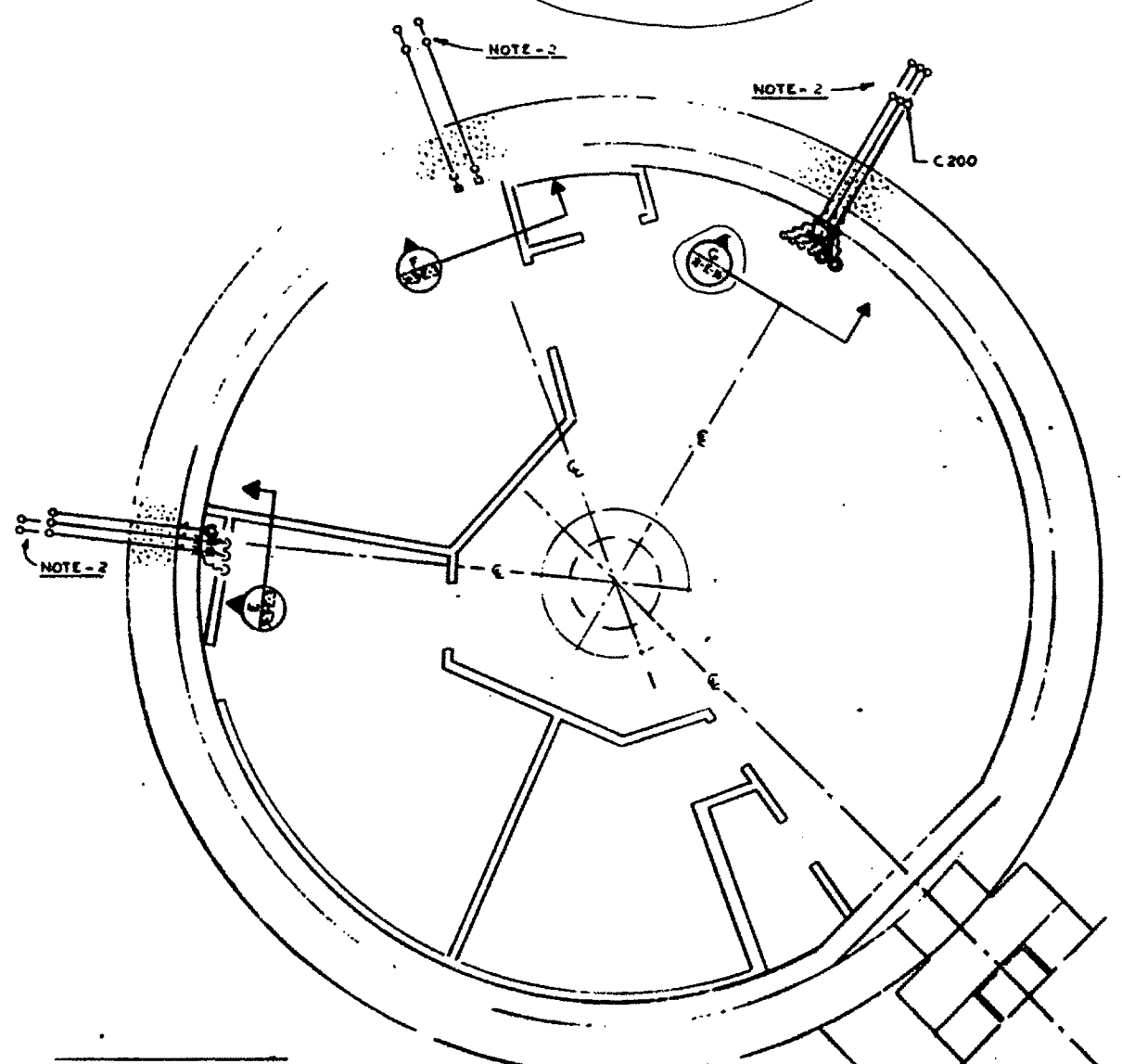
THIS PLAN ACCOMPANIES CONTRACT
 DA-25-044-079-4016 MODIFICATION NO. 12



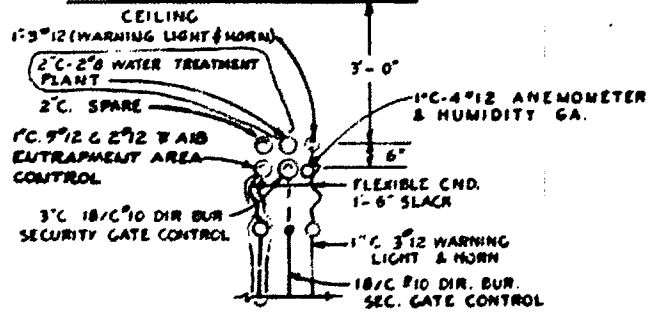
DESIGNED BY: BOYD DRAWN BY: BLAKE CHECKED BY: CHAMBERLAIN SUBMITTED BY: BLAKE	DEPARTMENT OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION, ARMY WASHINGTON, D.C.
BLACK & VEATCH CONSULTING ENGINEERS KANSAS CITY, MISSOURI	WS-107A-1 OPERATIONAL BASE LINCOLN A.F.B., NEBRASKA SMS-331 SANITARY SEWERAGE FACILITIES SEPTIC TANK SYSTEM PLANS, SECTIONS AND DETAILS
DATE: _____ SCALE: _____ SHEET NO.: 5F-16	THIS PLAN ACCOMPANIES CONTRACT NO. _____



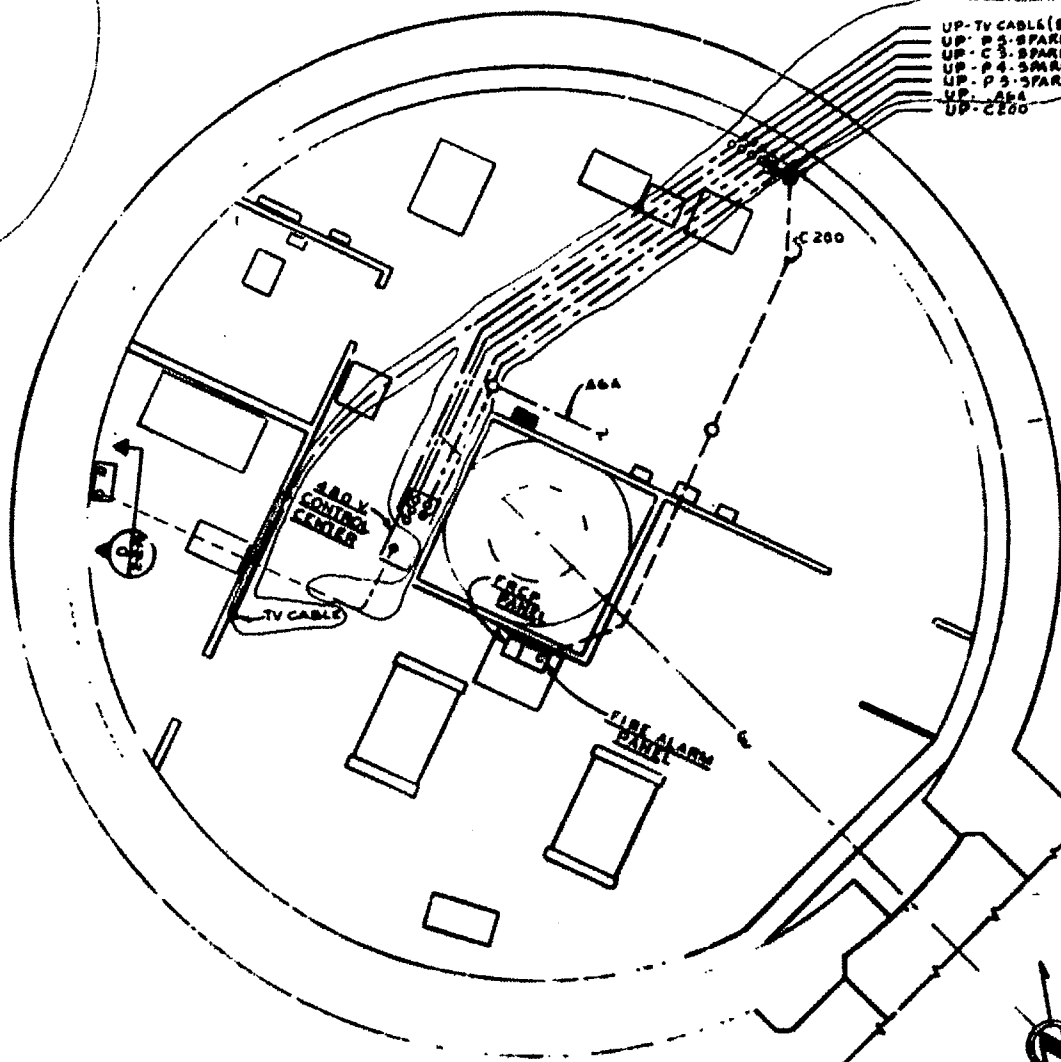
SECTION F-1
SCALE 1/2" = 1'-0"
REFER TO AFBMD 2-E-16



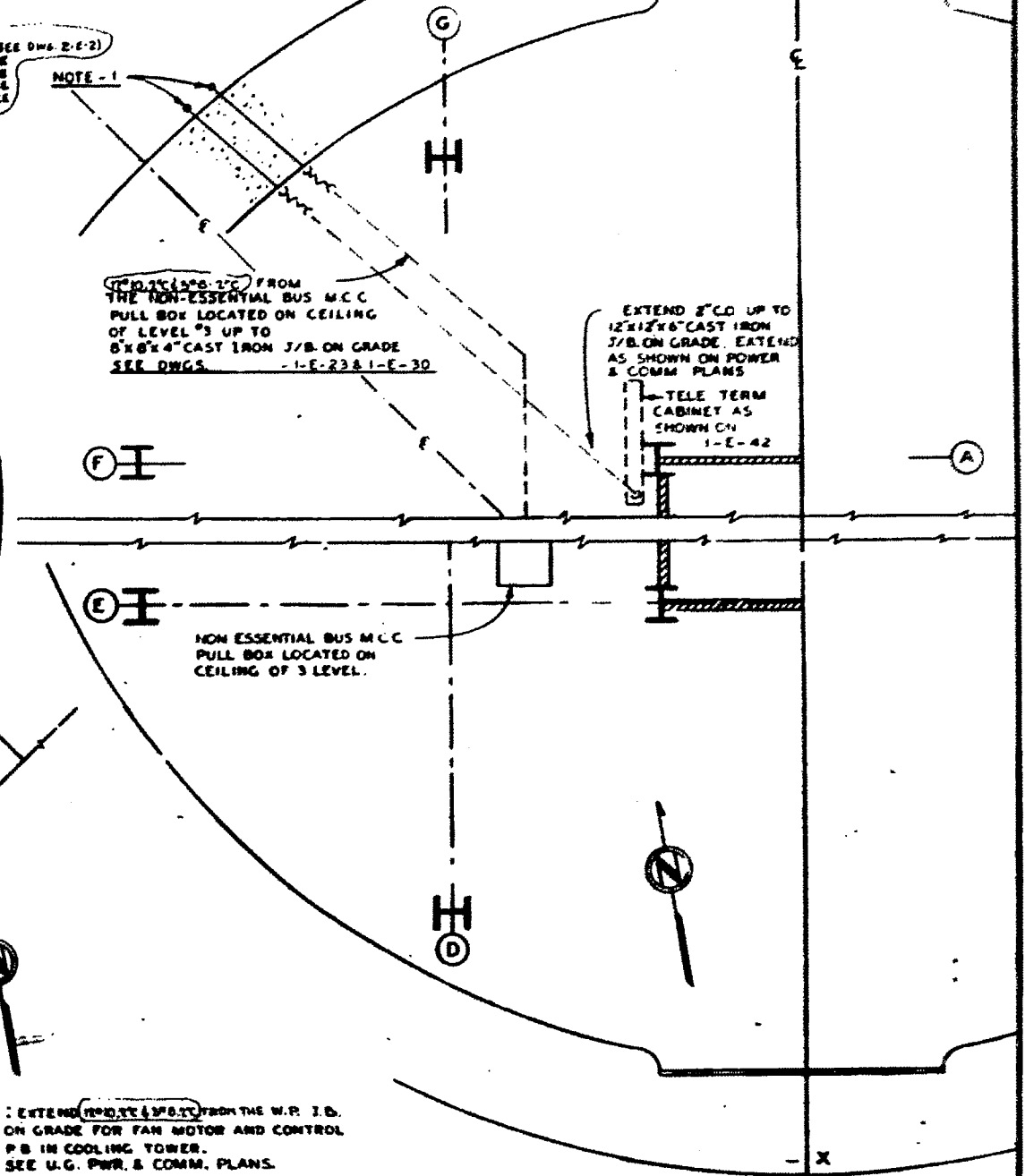
LAUNCH CONTROL CENTER
FIRST LEVEL PLAN
SCALE 1/4" = 1'-0"
FINISHED FLOOR ELEV. 979'-6"



SECTION F-2
SCALE 1/2" = 1'-0"
REFER TO SSI-A-2-E-16



LAUNCH CONTROL CENTER
SECOND LEVEL PLAN
SCALE 1/4" = 1'-0"
FINISHED FLOOR ELEV. 986'-6"



LAUNCHING SILO SECTION
ELECTRICAL CONDUIT PLAN
LEVEL NO. 3
ELEV. 947'-0"

- NOTE-1: EXTEND (P.D. 10) FROM THE W.P. I.D. ON GRADE FOR FAN MOTOR AND CONTROL P.B. IN COOLING TOWER. SEE U.G. PWR. & COMM. PLANS. 1-E-30 FOR BOX DETAILS.
- NOTE-2: FOR CONTINUATION OF CONDUIT LAYOUTS POWER AND COMMUNICATION PLANS. [TYPICAL]
- NOTE-3: WIRING FOR TV CAMERA TO BE INCLUDED & INSTALLED PER MANUFACTURER'S RECOMMENDATION.

REVISIONS

1. 10-19-64 REVISED FOR WELLS AT SITE 10

2. 9-27-64 ADDED TV CAMERA CONTROL & ASSOCIATED WIRING FOR P.B. IN COOLING TOWER.

3. DELETED SECTION 1 OF REVISION SECTION 1'S W/RELEASER CABLES, W/ AIR AMBER & GREEN WARNING LT WIRING & W/RELEASER W/TC FOR ENTRENCHMENT AREA CONTROL.

4. 3-19-66 REVISED IN ACCORDANCE WITH ADDENDUM NO. 3

5. 3-19-66 REVISED IN ACCORDANCE WITH ADDENDUM NO. 2

NO.	DATE	DESCRIPTION	BY	CHKD.
1	10-19-64	REVISED FOR WELLS AT SITE 10	BAV	WFE
2	9-27-64	ADDED TV CAMERA CONTROL & ASSOCIATED WIRING FOR P.B. IN COOLING TOWER.	BAV	WFE
3		DELETED SECTION 1 OF REVISION SECTION 1'S W/RELEASER CABLES, W/ AIR AMBER & GREEN WARNING LT WIRING & W/RELEASER W/TC FOR ENTRENCHMENT AREA CONTROL.	BAV	WFE
4	3-19-66	REVISED IN ACCORDANCE WITH ADDENDUM NO. 3	BAV	WFE
5	3-19-66	REVISED IN ACCORDANCE WITH ADDENDUM NO. 2	BAV	WFE

BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI

DEPARTMENT OF THE AIR FORCE
AIR FORCE BALLISTIC MISSILE DIVISION AMEC
PULLMAN, CALIFORNIA

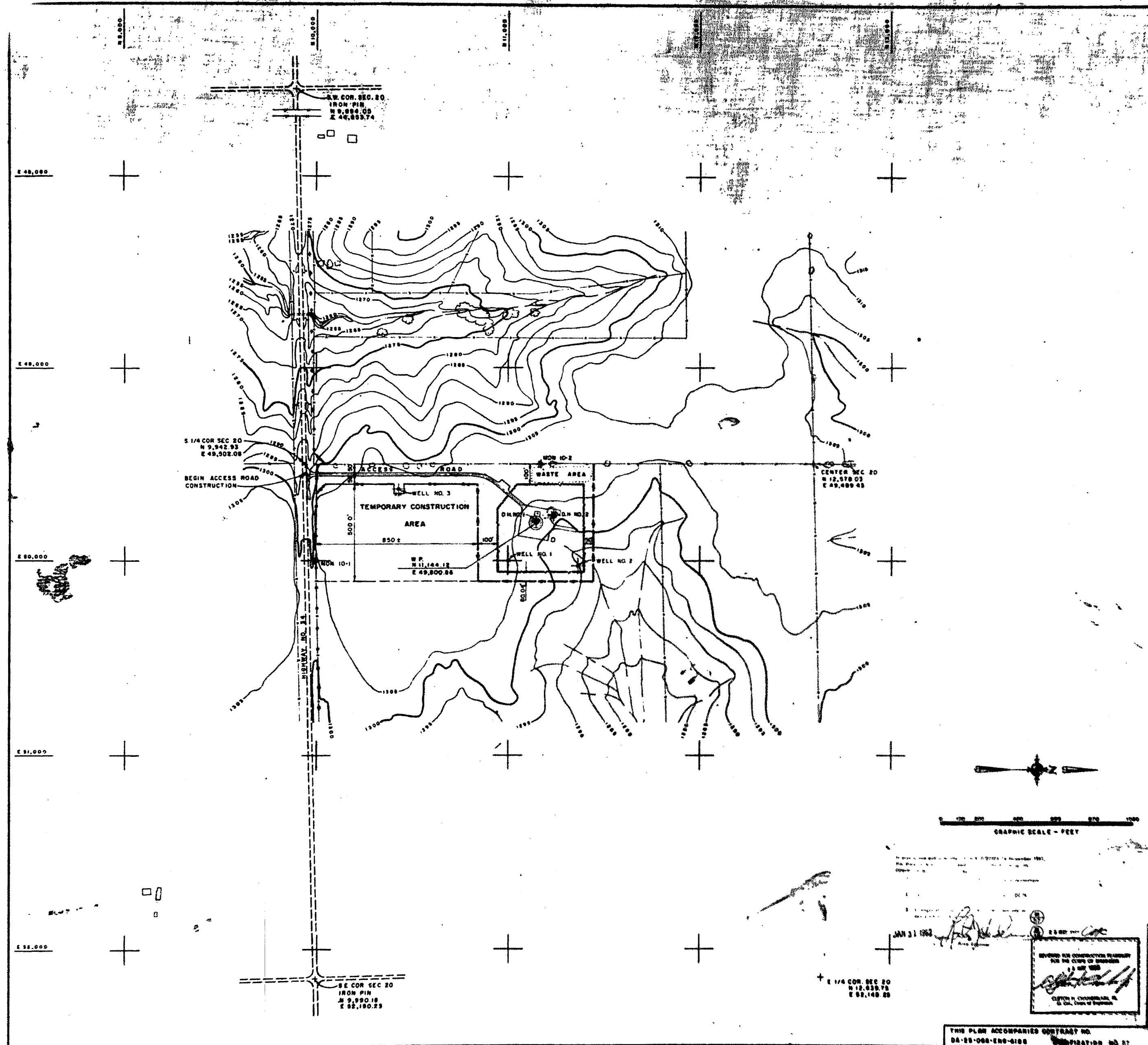
WS-107A-1 OPERATIONAL BASE
LINCOLN AFB, NEBRASKA
SMS-581

SUPPLY CONNECTIONS FOR SITE
SUPPORTING FACILITIES

5F-16

THIS PLAN AGREEMENT CONTRACT
DA-36-000-000-0100
OPERATION NO. 27

369-X-3-E-3 3-65



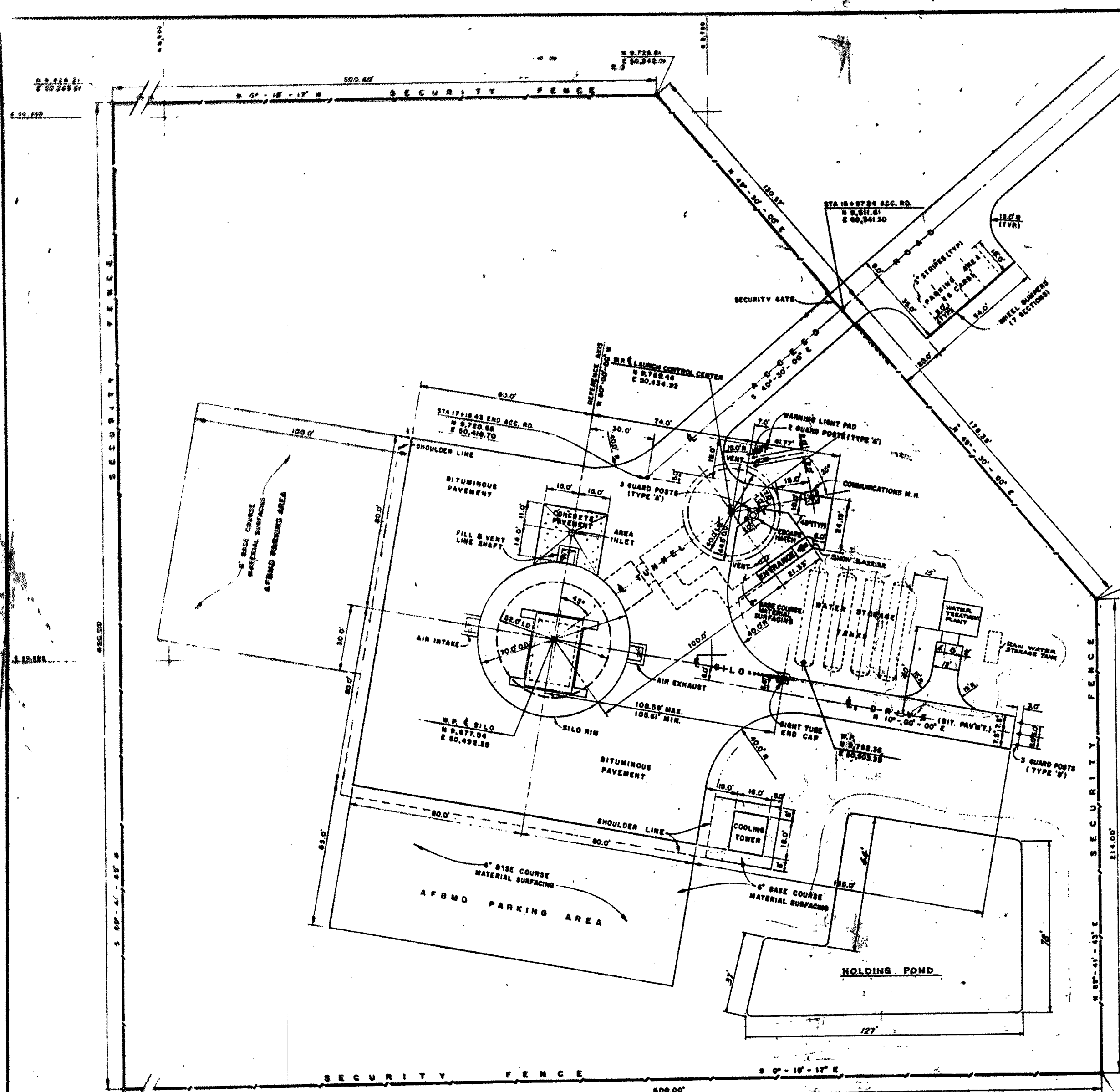
GENERAL NOTES

1. HORIZONTAL CONTROL - (LAND PLANE GEOMETRIC)
2. HORIZONTAL AND VERTICAL CONTROL ESTABLISHED BY CORPS OF ENGINEERS, CHINA DISTRICT
3. FOR PROPERTY & EASEMENT LINE DATA, AND FOR BOUNDARY & R/W FENCE DATA SEE DWG. 389-10-3-2-6.
4. FOR LOS OF BORINGS SEE DWG. 389-10-3-3-51 & 5-52

HORIZONTAL CONTROL			HORIZ. & VERT. CONTROL			
LINE	BEARING	DISTANCE	POINT	ELEV.	LAT. (N)	DEP. (E)
WP TO 10-1	S 89° 52' 00" W	1,161.32	WP	—	11,144.12	49,800.00
WP TO 10-2	N 89° 52' 00" E	301.14	10-1	1,308.43	10,000.00	49,800.00
10-1 TO 10-2	N 23° 05' 30" E	1,273.82	10-2	1,308.94	11,172.13	49,801.02

- LEGEND**
- TEMPORARY CONSTRUCTION EASEMENT LINE
 - EXISTING FENCE
 - EXISTING ROADS
 - == NEW ROADS
 - PROPERTY LINE AND NEW BOUNDARY FENCE
 - EASEMENT LINE AND NEW R/W FENCE
 - SECURITY FENCE
 - ★ U.S.C.E. CONCRETE MONUMENT
 - ◆ SOIL BORINGS
 - ⊕ SECTION MARKER
 - ⊕ WATER WELL (EXISTING)

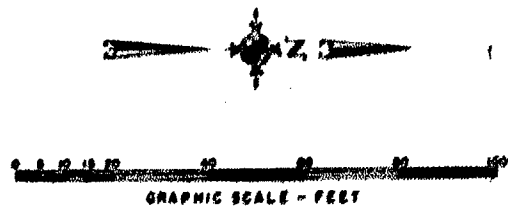
REV. TO SHOW CONSTR. AS-BUILT EXISTING		DATE	BY
10-1-62 Added Wells No. 1, 2 & 3. Revised Legend		10/1/62	SKV
5-7-62 New Drawing Added		5/7/62	SKV
REVISION	DATE	DESCRIPTION	BY
BLACK & VEATCH CONSULTING ENGINEERS 38000 CITY, MISSOURI		DEPARTMENT OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION, AREA WALDFORD, CALIFORNIA	
DESIGNED BY: ADR SKV		WS-107A-1 OPERATIONAL BASE LINCOLN AFB, NEBRASKA SMS-331-10 ELWOOD	
CHECKED BY: JIM REEDER		GENERAL LAYOUT	
DATE: JAN 31 1962		DRAWING NO. 389-10-3-1	
THIS PLAN ACCOMPANIES CONTRACT NO. DA-28-068-ENG-618		OPERATION NO. 37	



FOR CONTINUATION OF ACCESS ROAD
SEE PLAN & PROFILE DWG 389-11-3-C-6

GENERAL NOTES

- FOR PAVING SECTIONS, AND FOR GUARD POST AND WHEEL BUMPER DETAILS SEE DWG 389-X-3-C-2
- FOR SECURITY GATE LAYOUT & DETAILS SEE DWG 389-X-3-C-103
- SECURITY FENCE TO BE CONSTRUCTED TO DISTRICT STANDARD DWG NO. 40-18-01, SHEET NO. 2
- ACCESS ROAD PARKING AREA TO BE CONSTRUCTED TO ACCESS ROAD SECTION - TYPE I PAVEMENT
- FOR SNOW BARRIER DETAILS SEE DWG 389-X-3-C-3



JAN 31 1962

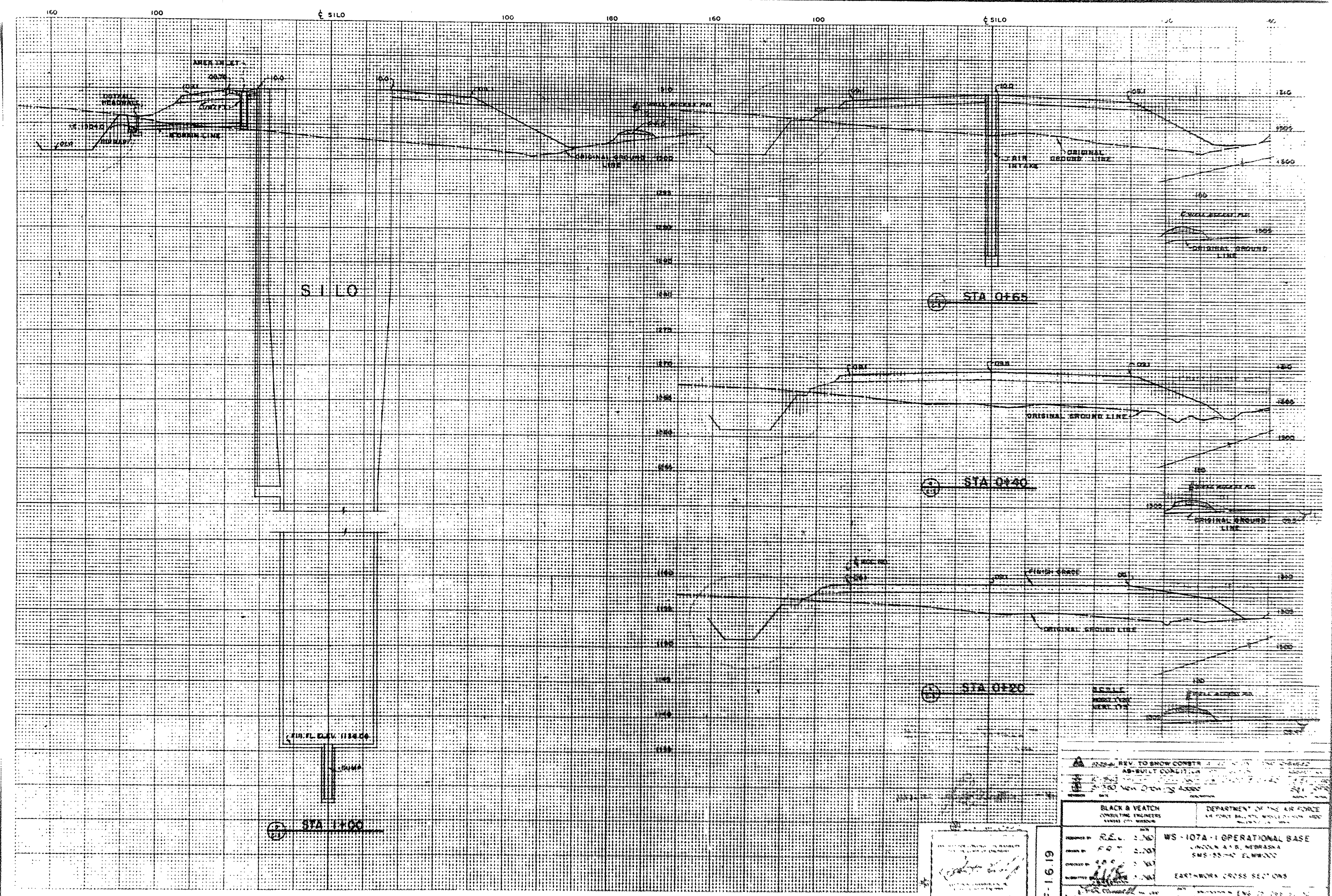
[Handwritten signature]

REV. TO SHOW CONSTRUCTION	DATE	DESCRIPTION
AS-BUILT CONDITION	5-17-60	REVISED DRAWING
DELETE T.V. SURVEILLANCE CAMERA PAD	5-17-60	REVISED DRAWING
REVISED ACCESS ROAD	5-17-60	REVISED DRAWING
NEW DRAWING ADDED	5-17-60	REVISED DRAWING

BLACK & VEATCH CONSULTING ENGINEERS KANSAS CITY, MISSOURI	DEPARTMENT OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION 'ARDC' HOLLAND, CALIFORNIA
DESIGNED BY: A.P.R. 5-17-60	WS-107A-1 OPERATIONAL BASE
DRAWN BY: V.M. 5-17-60	LINCOLN AFB, NEBRASKA
CHECKED BY: A.P.R. 5-17-60	SMS-851-11 AVOCA
QUANTITY BY: [Signature] 5-17-60	LAYOUT PLAN
APPROVED BY: [Signature]	OPERATION NO. ENG 25-066-60-52
DATE: 17 May 1960	SCALE: 1" = 50'

REVIEWED FOR CONSTRUCTION FLAGSHIP FOR THE CORPS OF ENGINEERS
CLAYTON H. CHAMBERLAIN, P.E.
S.E. Corps of Engineers

HOLDING POND AREA
SEE DWG. NO. 16-01-01-54.12

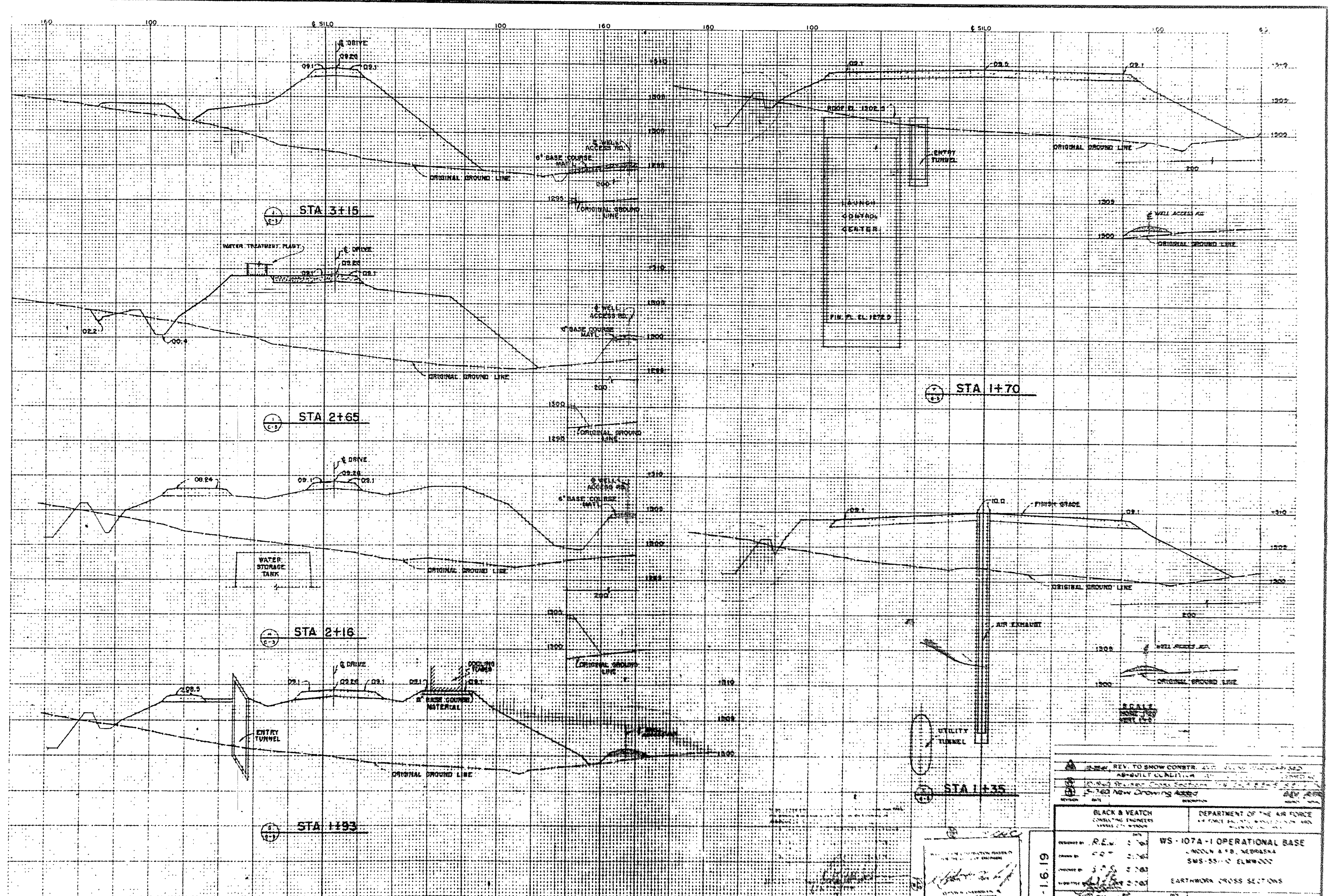


REV. TO SHOW CONSTR. AS-BUILT CONDIT. IN 1950. WORK DONE BY 4500.

BLACK & VEATCH CONSULTING ENGINEERS 3000 W. 12TH AVENUE DENVER, COLORADO	DEPARTMENT OF THE AIR FORCE 44 FORT BELL, NEBRASKA
DESIGNED BY: R.E. L. 2-26	WS-107A-1 OPERATIONAL BASE
DRAWN BY: F.O. 2-20	LINCOLN AFB, NEBRASKA
CHECKED BY: J.S. 2-18	SMS-33-47 FLM/STW
APPROVED BY: [Signature]	EARTHWORK CROSS SECTIONS
DATE: 1-15-50	PROJECT NO. 107A-1
SCALE: 1" = 20'	DATE: 1-15-50

THIS PLAN ACCOMPANIES CONTRACT NO. DA 38-088-ENG-5188 MODIFICATION NO. 1

5F-1619

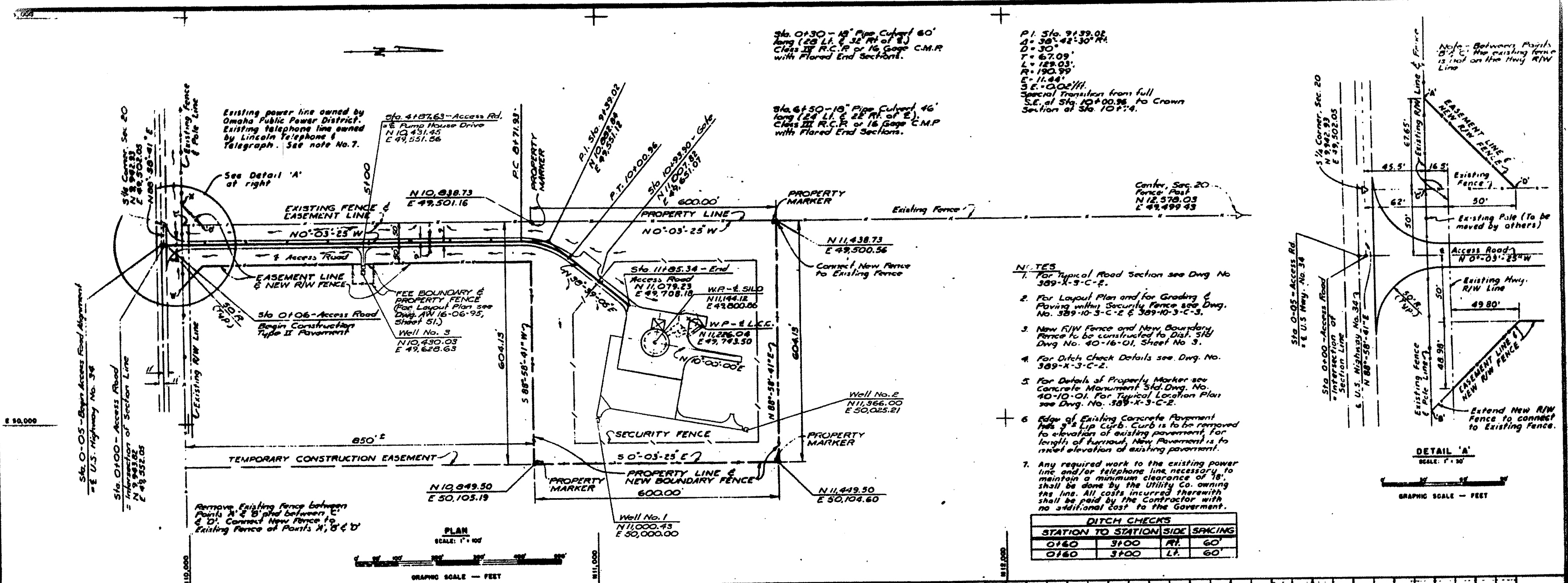


REV. TO SHOW CONSTR. AS-BUILT QUALITY
 REVISION DATE DESCRIPTION

BLACK & VEATCH CONSULTING ENGINEERS 1700 L ST. WASHINGTON, D.C.	DEPARTMENT OF THE AIR FORCE 4400 RANDOLPH AVE. WASHINGTON, D.C.
DESIGNED BY: R.E.W. 5-63	PROJECT: WS-107A-1 OPERATIONAL BASE
DRAWN BY: J.S.S. 5-63	LINCOLN & B. NEBRASKA
CHECKED BY: J.S.S. 5-63	SMS-55-10 ELWOOD
DATE: 5-63	EARTHWORK CROSS SECTIONS

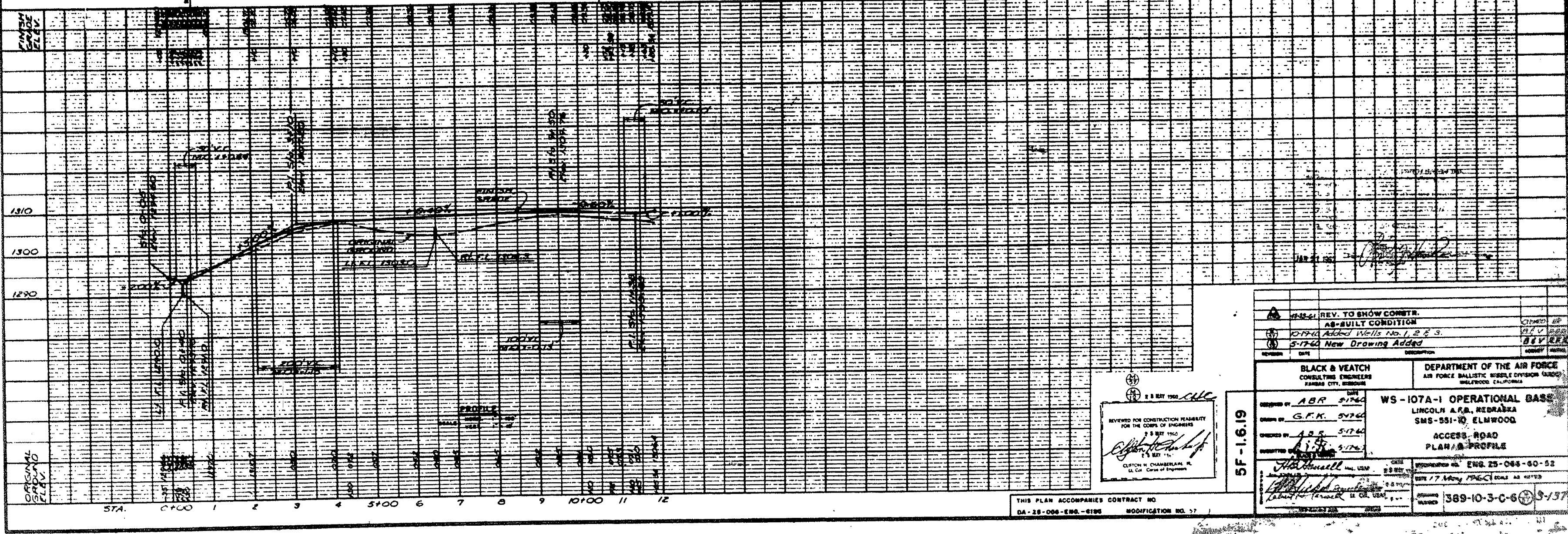
5F-1.6.19

THIS PLAN ACCOMPANIES CONTRACT NO. 04-25-008-ENG-8188 MODIFICATION NO. 07



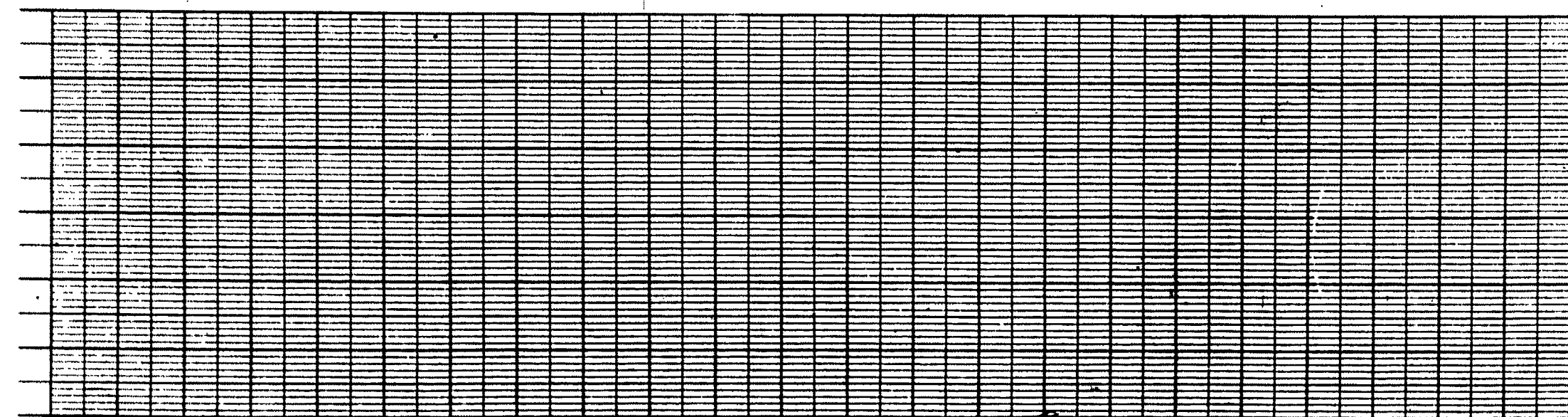
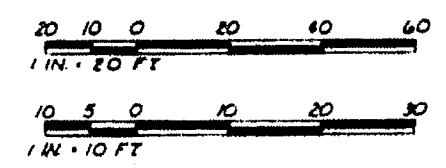
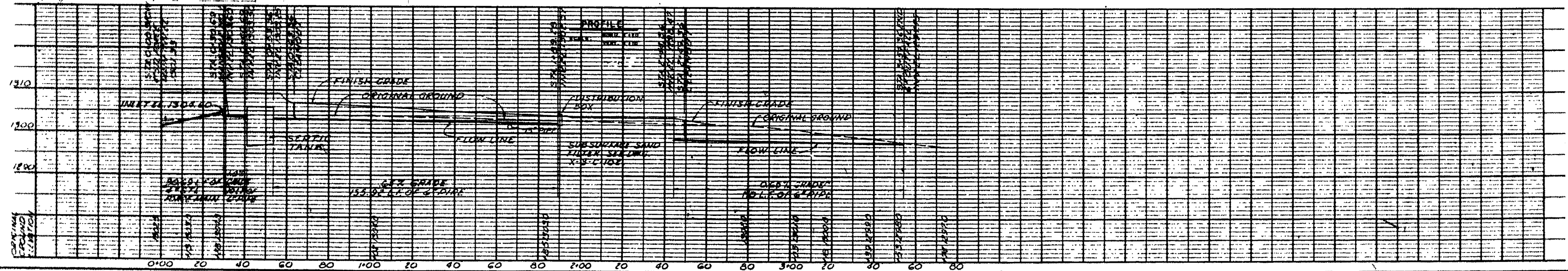
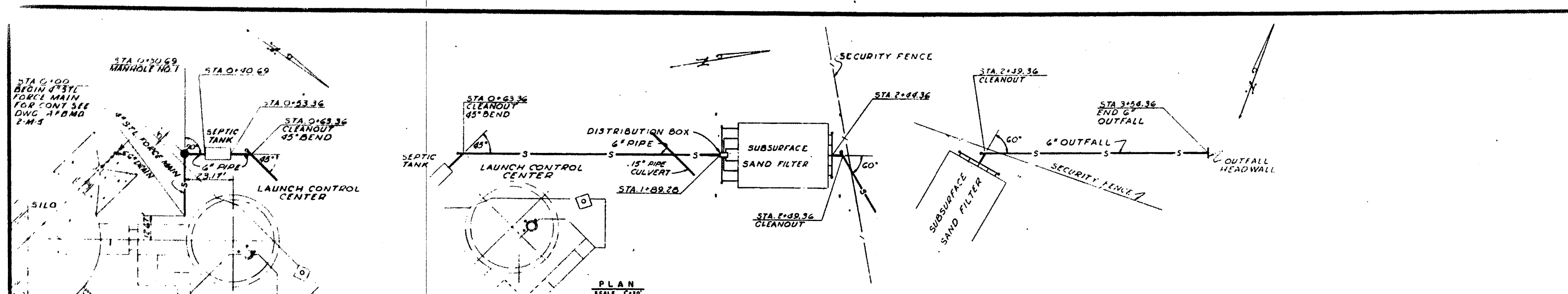
- NOTES**
- For Typical Road Section see Dwg No. 389-X-3-C-2.
 - For Layout Plan and for Grading & Paving within Security Fence see Dwg. No. 389-10-3-C-2 & 389-10-3-C-3.
 - New R/W Fence and New Boundary Fence to be constructed to Dist. 5th Dwg No. 40-16-01, Sheet No. 3.
 - For Ditch Check Details see Dwg. No. 389-X-3-C-2.
 - For Details of Property Marker see Concrete Monument 3rd Dwg. No. 40-10-01. For Typical Location Plan see Dwg. No. 389-X-3-C-2.
 - Edge of Existing Concrete Pavement has 2" Lip Curb. Curb is to be removed to elevation of existing pavement, for length of turnout. New Pavement is to meet elevation of existing pavement.
 - Any required work to the existing power line and/or telephone line necessary to maintain a minimum clearance of 18' shall be done by the Utility Co. owning the line. All costs incurred therewith shall be paid by the Contractor with no additional cost to the Government.

DITCH CHECKS			
STATION TO	STATION	SIDE	SPACING
0+60	3+00	Rt.	60'
0+60	3+00	Lt.	60'



<p>REV. TO SHOW CONSTR. AS-BUILT CONDITION</p> <p>10-17-60 Added Wells No. 1, 2 & 3</p> <p>5-17-60 New Drawing Added</p>	<p>DEPARTMENT OF THE AIR FORCE</p> <p>AIR FORCE BALLISTIC MISSILE DIVISION (ASBP)</p> <p>WILLOW, CALIFORNIA</p>
<p>BLACK & VEATCH</p> <p>CONSULTING ENGINEERS</p> <p>KANSAS CITY, MISSOURI</p>	<p>WS-107A-1 OPERATIONAL BASE</p> <p>LINCOLN A.F.B., NEBRASKA</p> <p>SMS-551-10, ELMWOOD</p> <p>ACCESS ROAD</p> <p>PLAN & PROFILE</p>
<p>DESIGNED BY ABR 5-17-60</p> <p>CHECKED BY G.F.K. 5-17-60</p> <p>APPROVED BY A.B.S. 5-17-60</p> <p>DATE 5-17-60</p>	<p>6-9-1-15</p> <p>389-10-3-C-6-3-137</p>

THIS PLAN ACCOMPANIES CONTRACT NO. DA-28-006-ENG-6188 MODIFICATION NO. 57



12-28-61 REV. TO SHOW CONSTR.
AS-BUILT CONDITION
51760 NEW DRAWING ADDED

BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI

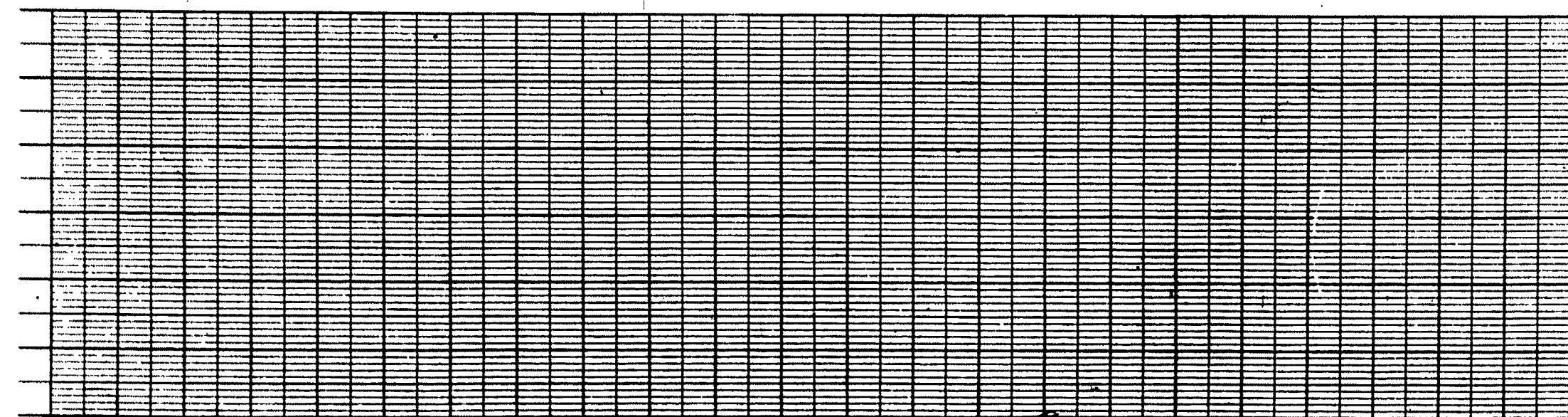
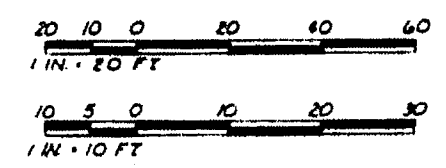
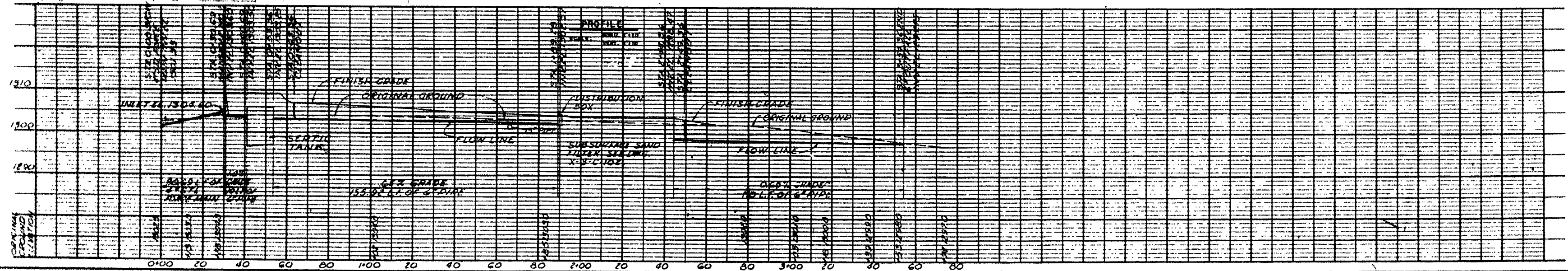
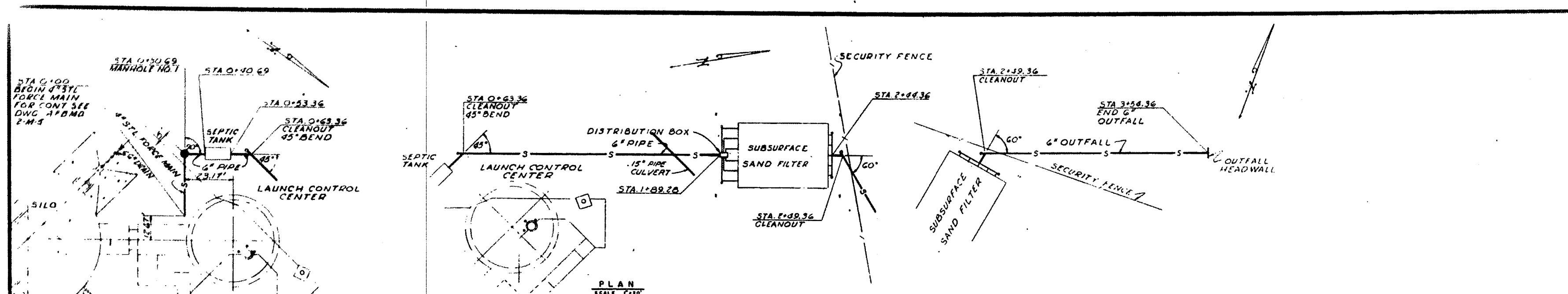
DEPARTMENT OF THE AIR FORCE
AIR FORCE BALLISTIC MISSILE DIVISION (AMSO)
WHEELERS, CALIFORNIA

WS-107A-1 OPERATIONAL BASE
LINCOLN AFB, NEBRASKA
SMS-551-10 ELMWOOD
SANITARY SEWERS
PLAN AND PROFILE

OPERATION NO. ENG 25-068-60-52
DATE 17 MAY 1960

5F-1.621

THIS PLAN ACCOMPANIES CONTRACT NO. 24-25-068-ENG-4186 MODIFICATION NO. 12



12-38-61 REV. TO SHOW CONSTR.
AS-BUILT CONDITION
51760 NEW DRAWING ADDED

BLACK & VEATCH
CONSULTING ENGINEERS
KANSAS CITY, MISSOURI

DEPARTMENT OF THE AIR FORCE
AIR FORCE BALLISTIC MISSILE DIVISION (ABMD)
WHEELING, CALIFORNIA

WS-107A-1 OPERATIONAL BASE
LINCOLN AFB, NEBRASKA
SMS-551-10 ELMWOOD
SANITARY SEWERS
PLAN AND PROFILE

OPERATION NO. ENG 25-066-60-52
DATE 17 MAY 1960

389-10-3-C-106 3-40

5F-1.621

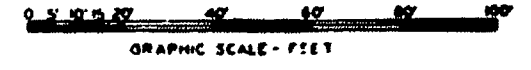
THIS PLAN ACCOMPANIES CONTRACT NO. 24-25-066-mp-4186 MODIFICATION NO. 12

REVISION NOTES
 1. (4) DELETED SURVEILLANCE TV AMBER & GREEN LIGHT DETECTOR
 (5) REROUTED GATE T.V. CABLE TO ENTRY TUNNEL
 (6) ADDED (5) 1/2" C.O. & (4) 1" C.O. FOR BLAST DETECTION SYSTEM
 (7) ADDED REFERENCE DWG. 2-E-7
 (8) ADDED 1" C.O. 5" x 12' & 2" x 12' AIS FOR ENTRAPMENT AREA CONTROL
 (9) DELETED POLE NO. 6 AT GATE

REFERENCE DRAWING
 RA, FA & TEL. PLAN
 2-E-7

- LEGEND**
- UNDERGROUND CABLE OR WIRE AS NOTED.
 - UNDERGROUND CONDUIT (RIGID STEEL) OR CONDUIT WITH WIRE OR CABLE AS NOTED.
 - INDICATES CONDUIT BUSHING WHEN WIRE OR CABLE IS INSTALLED (SEE NOTE #2), WHEN CONDUIT IS SPARE (CONDUIT ONLY) - INDICATES CAP OR PLUG.
 - POLE #1
 - CABLE MARKER FOR UNDERGROUND CABLES (CONCRETE) SEE NOTE #1.
 - SECTION MARKER - "M" INDICATES SECTION A "3'-3"-E" INDICATES DRAWING NUMBER ON WHICH SECTION A IS SHOWN. SEE NOTE #4.
 - DETAIL DESIGNATION - "D" INDICATES DETAIL 1" x 3'-E" INDICATES DRAWING NUMBER ON WHICH DETAIL IS SHOWN. SEE NOTE #4.
 - C. INDICATES CONDUIT, SIZE INDICATED.
 - C.O. INDICATES CONDUIT ONLY, SIZE INDICATED.
 - FENCE GROUND - GROUND ROD & JUMPER (SEE NOTE #6)

- NOTES**
1. CABLE MARKERS SHALL BE INSTALLED AS FOLLOWS: AT START & END POINTS, EVERY 50'-0" OR LESS ON SWEEP BENDS; EVERY 150'-0" OR LESS ON STRAIGHT RUNS, FOR CABLE MARKERS. DETAIL SEE (D) AND NOTE #4.
 2. TERMINATE CONDUIT WITH HORIZONTAL CONDUIT SEAL, SHORT NIPPLE & CONDUIT BUSHING (TYPICAL FOR ALL CONDUITS BEARING DIRECT BURIAL CABLE ENTERING BUILDINGS, SEE (D) AND NOTE #4.
 3. ALL UNDERGROUND CIRCUITS OR SPARE CONDUITS SHALL BE INSTALLED A MIN. OF 1'-0" BELOW FINISHED GRADE.
 4. SECTIONS AND DETAILS REFERRED TO ON THIS SHEET ARE SHOWN ON DRAWINGS 389-R-201, 2, 3.
 5. ALL UNDERGROUND CONDUITS SHALL EXTEND A MIN. OF 1'-0" BEYOND EDGE OF SLAB OR SHOULDER OF ROAD.
 6. FENCE SHALL BE GROUNDED EACH SIDE OF GATE AND AT A MAX. OF EVERY 300' AROUND THE PERIMETER. GROUND FENCE FARMING BARRIED WIRE WITH 8 AWG CU. WIRE TO A 3/4" x 2'-0" COPPER CLAD GROUND ROD. CONDUIT, WIRE, & GROUND CONDUCTOR TO BE CONTINUED AS SHOWN ON THE WELL PUMP HOUSE DRAWING AW26-09-02 SHEETS 4 & 5.
 7. FOR WATER LEVEL ALARM SEE (D) & (D) IN 1444 IN 1444 TO DETAIL A ON 2-E-143 IS NOT REQUIRED, BUT A 40 AMP CIRCUIT BREAKER FOR EACH WELL CIRCUIT & ONE ALTERNATOR ARE REQUIRED IN THE MOTOR CONTROL CENTER (LAUNCH CONTROL CENTER). DETAIL 4 OF 3-C-2 IS REQUIRED. SEE AW26-09-02, SHEET 4 FOR PUMP MOTOR STARTERS AT THE WELL HOUSES.
 8. CAP OFF SPARE & CONDUIT FROM SILO AT END BEYOND PAVED AREA AT MINIMUM 1'-6" BELOW FINISHED GRADE FD #1.



5-29-62	REVISED TO SHOW CONSTRUCTION AS BUILT CONDITION.	CEMNO	4 P
10-19-63	ADDED WATER TREATMENT BLDG., RAW WATER STORAGE TANK, J.B. CU. PS (4" x 12"), RELOCATED CABLES (4" x 12" x 12")	BAY	4 P
9-27-60	SEE REVISION NOTES	DELMAN	4 P
5-11-60	NEW DRAWINGS ADDED	BAY	4 P

BLACK & VEATCH
 CONSULTING ENGINEERS
 2000 K STREET, N.W.
 WASHINGTON, D.C.

DEPARTMENT OF THE AIR FORCE
 AIR FORCE BALLISTIC MISSILE DIVISION (AMSD)
 WHEELING, CALIFORNIA

WS-107A-1 OPERATIONAL BASE
 LINCOLN A.F.B., NEBRASKA
 389-884-10 ELMWOOD

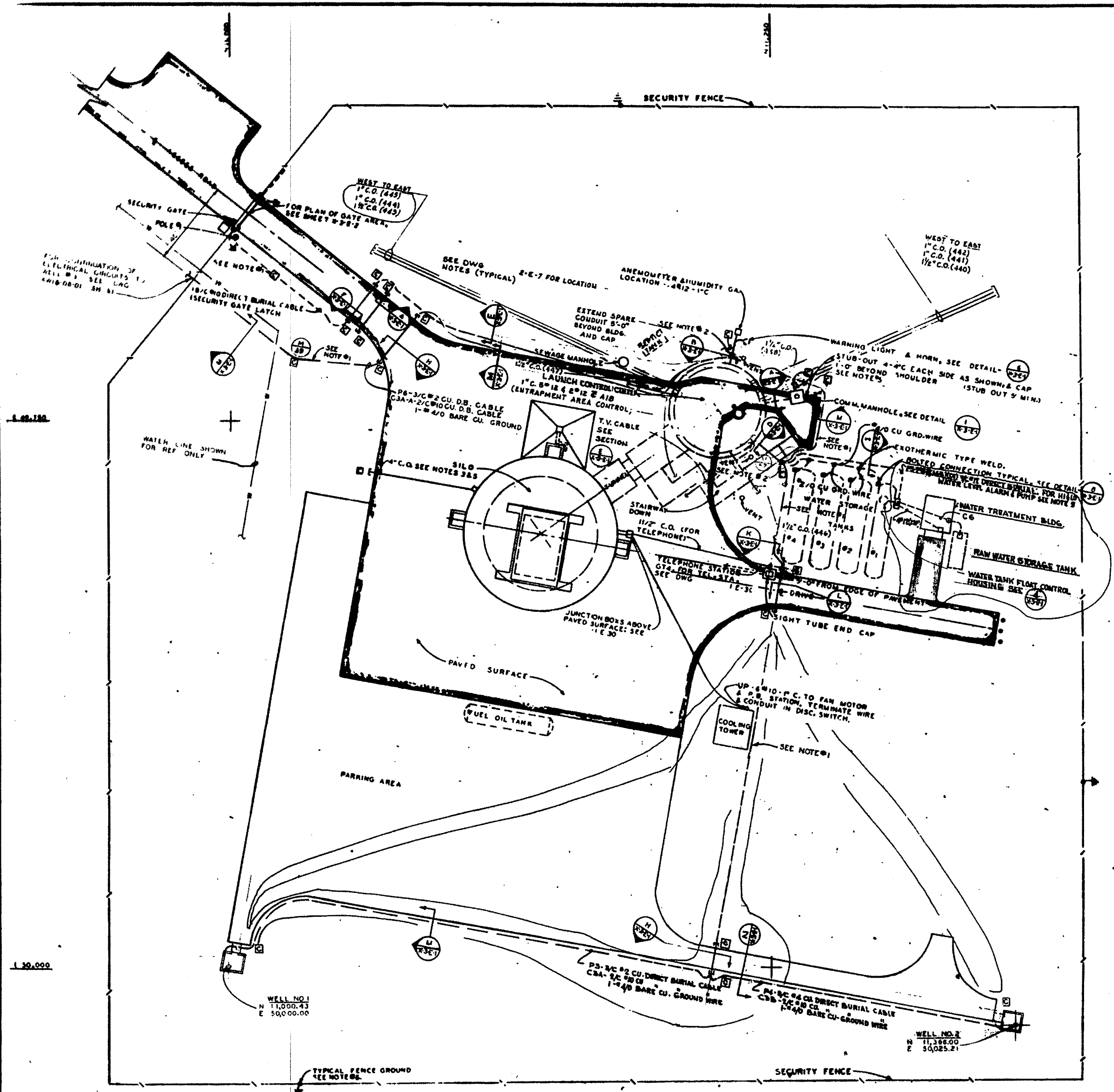
U.S. POWER & COMMUNICATION PLAN

DATE: 8-60
 DRAWN BY: G.R.D.
 CHECKED BY: G.R.D.
 DESIGNED BY: G.R.D.
 APPROVED BY: G.R.D.

ENGINEERING NO. ENG 25-086-60-52
 DATE 17 MAY 1960
 SCALE 1" = 20'
 SHEET NO. 389-10-3-E-1 3-143

REVIEWED FOR CONSTRUCTION FEASIBILITY FOR THE CONSTRUCTION OF THIS PLAN
 CLYTON H. CHAMBERLAIN, JR.
 Lt. Col., Corps of Engineers

THIS PLAN ACCORDS CONTRACT
 DA 25 086-60-5106
 MODIFICATION NO. 57



FOR CONTINUATION OF ELECTRICAL CIRCUITS TO WELL NO. 1 SEE LAG 4418-08-01 SH 61

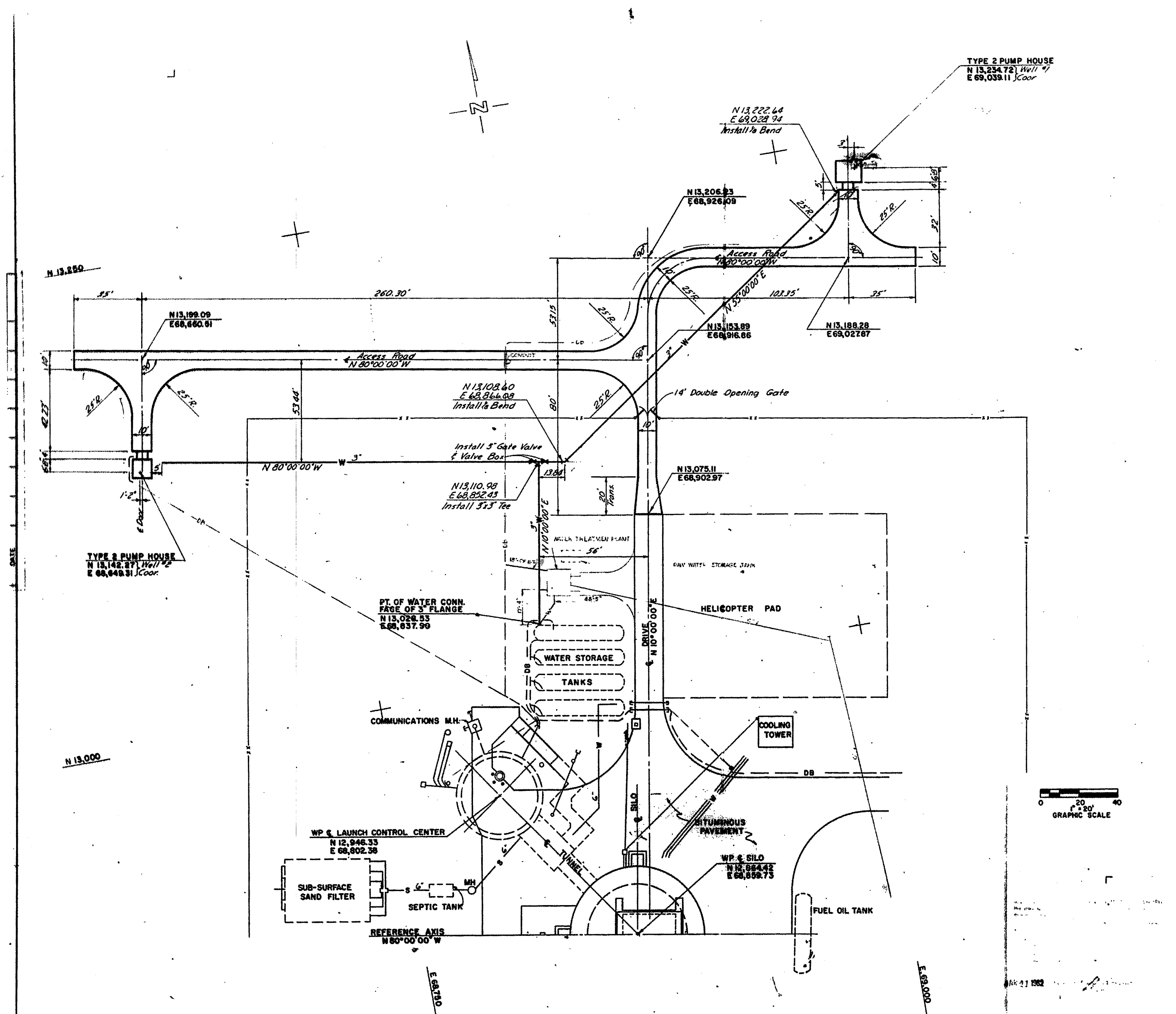
1-25-180

1-30-000

WELL NO. 1
 N 11,000.43
 E 50,000.00

WELL NO. 2
 N 11,368.00
 E 50,025.21

TYPICAL FENCE GROUND
 SEE NOTE #6



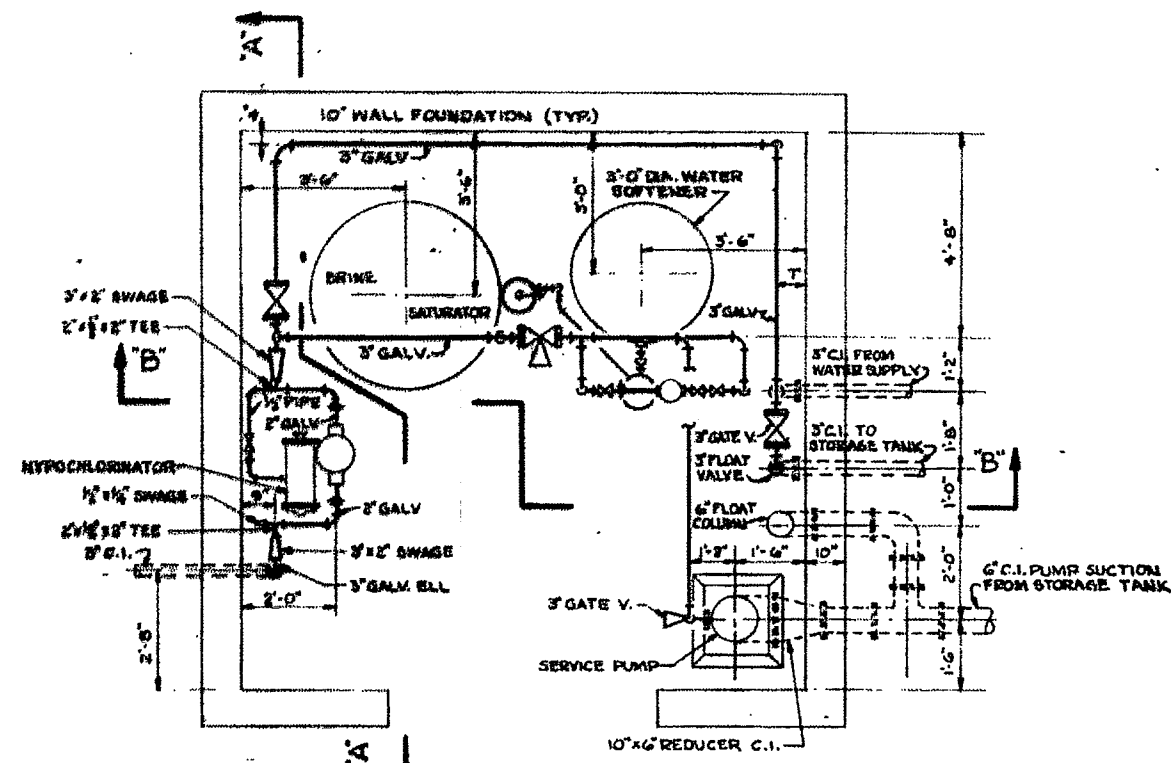
GENERAL NOTES

1. FOR THE NUMBER & SIZE OF CONDUCTORS IDENTIFIED BY "DB", REFER TO DRAWING 389-4-3-E-1.

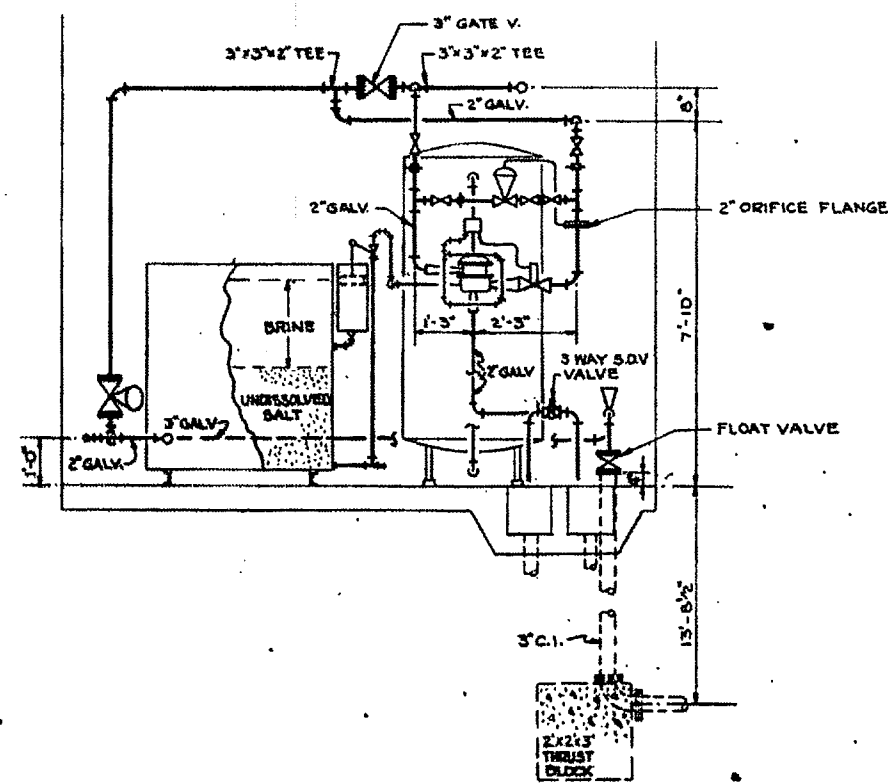


12-22-61 REV. TO SHOW CONSTR. AS-BUILT CONDITION 4-1-60 Revised in accordance with Addendum No. 2 3-11-60 Add No. 1 New Drawing Added	
DESIGNED BY: TMR	US ARMY ENGINEER DISTRICT
DRAWN BY: ALM	OMAHA
TRACED BY: ALM	CORPS OF ENGINEERS
CHECKED BY: BSM	OMAHA, NEBRASKA
SUBMITTED BY: [Signature]	LINCOLN AFB
APPROVED BY: [Signature]	WS-107A-1 OPERATIONAL BASE
	SMS-551-4
	LAYOUT PLAN
	WATER SYSTEM & ELECT. DIST.
	DATE: 7 MARCH 1960
	SCALE: AS SHOWN
	DRAWING NUMBER: 9 of AW 16-06-95

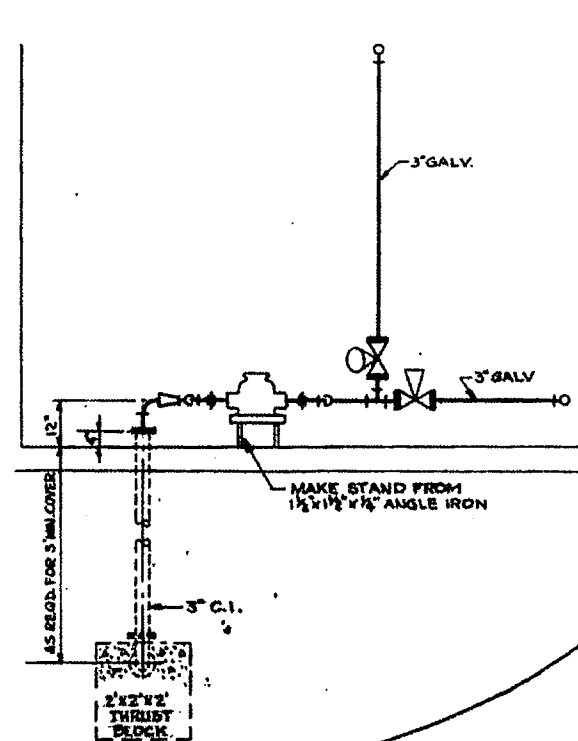
THIS PLAN ACCOMPANIES CONTRACT NO. DA-29-066-001-1000 MODIFICATION NO.



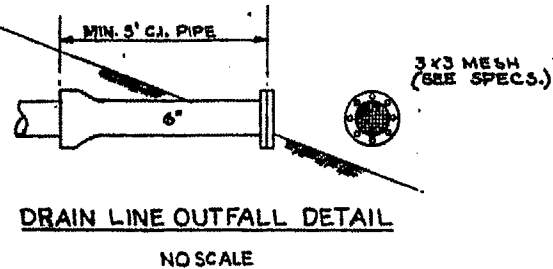
PLAN



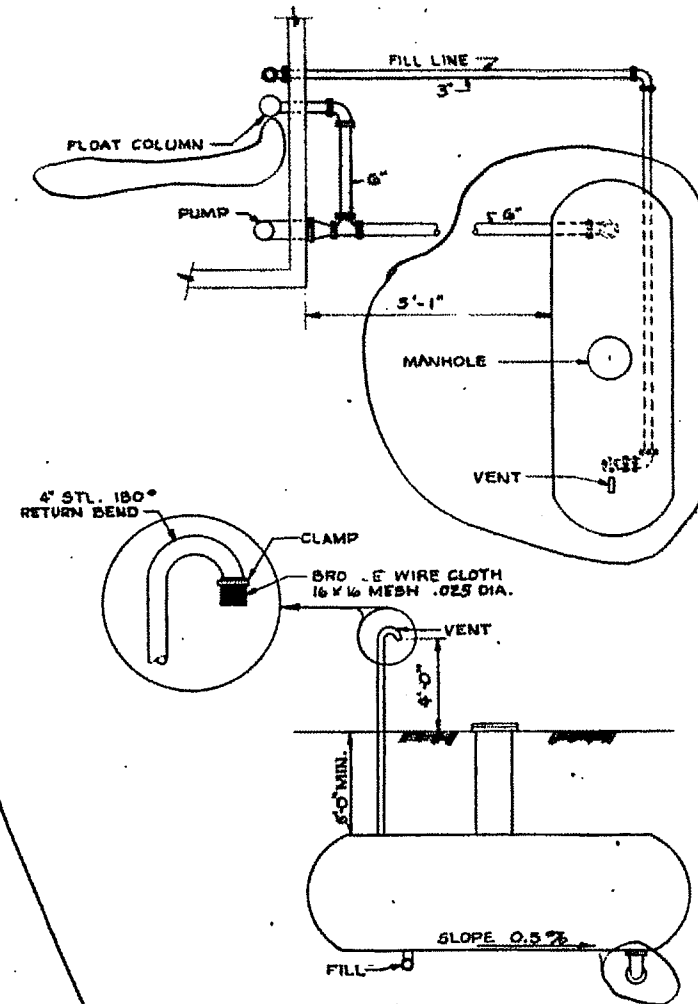
ELEVATION "B-B"



ELEVATION "A-A"

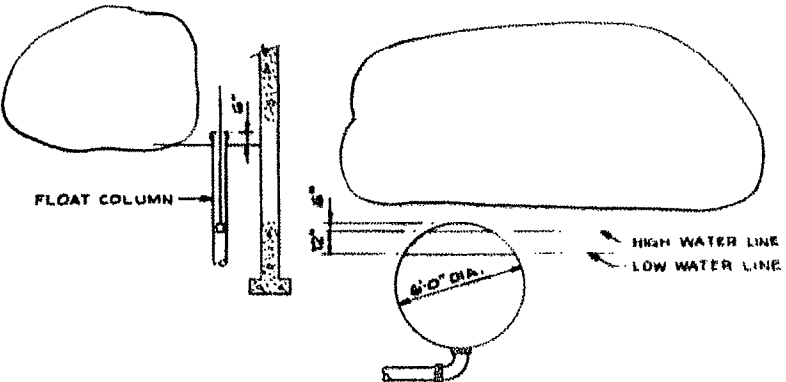


NO SCALE



RAW WATER STORAGE TANK DETAILS

NO SCALE



NOTE:
TOP OF LOWEST PUMP
BOWL TO BE SET AT
SAME ELEVATION AS
BOTTOM OF TANK.

NOTES:

1. For Equipment sizes, see table in specifications.
2. Backwash water to be wasted on ground surface. Brine & rinse water to be discharged into holding pond.

REFERENCE DRAWINGS:

1. Legend
2. Schematic Diagrams

DWG. NO.	SH. NO.
AW 00-00-00	1
AW 26-04-02	4

FOR SITES

NO.	DATE	DESCRIPTION	BY	CHKD.

AW 26-04-02 New drawing added

DATE	DESCRIPTION	MADE	APPROVED

U. S. ARMY ENGINEER DISTRICT, OMAHA
GROUPS OF ENGINEERS
OMAHA, NEBRASKA

DESIGNED BY: R.L.L. LINCOLN AIR FORCE BASE LINCOLN, NEBRASKA
DRAWN BY: R.L.A.
CHECKED BY: R.L.A.
APPROVED BY: K.C.P.

WATER TREATMENT
MISSILE SITE SMS-551-3
WATER TREATMENT PLANTS
EQUIPMENT LAYOUT AND DETAILS
29 MCZP ADV P. 800-000

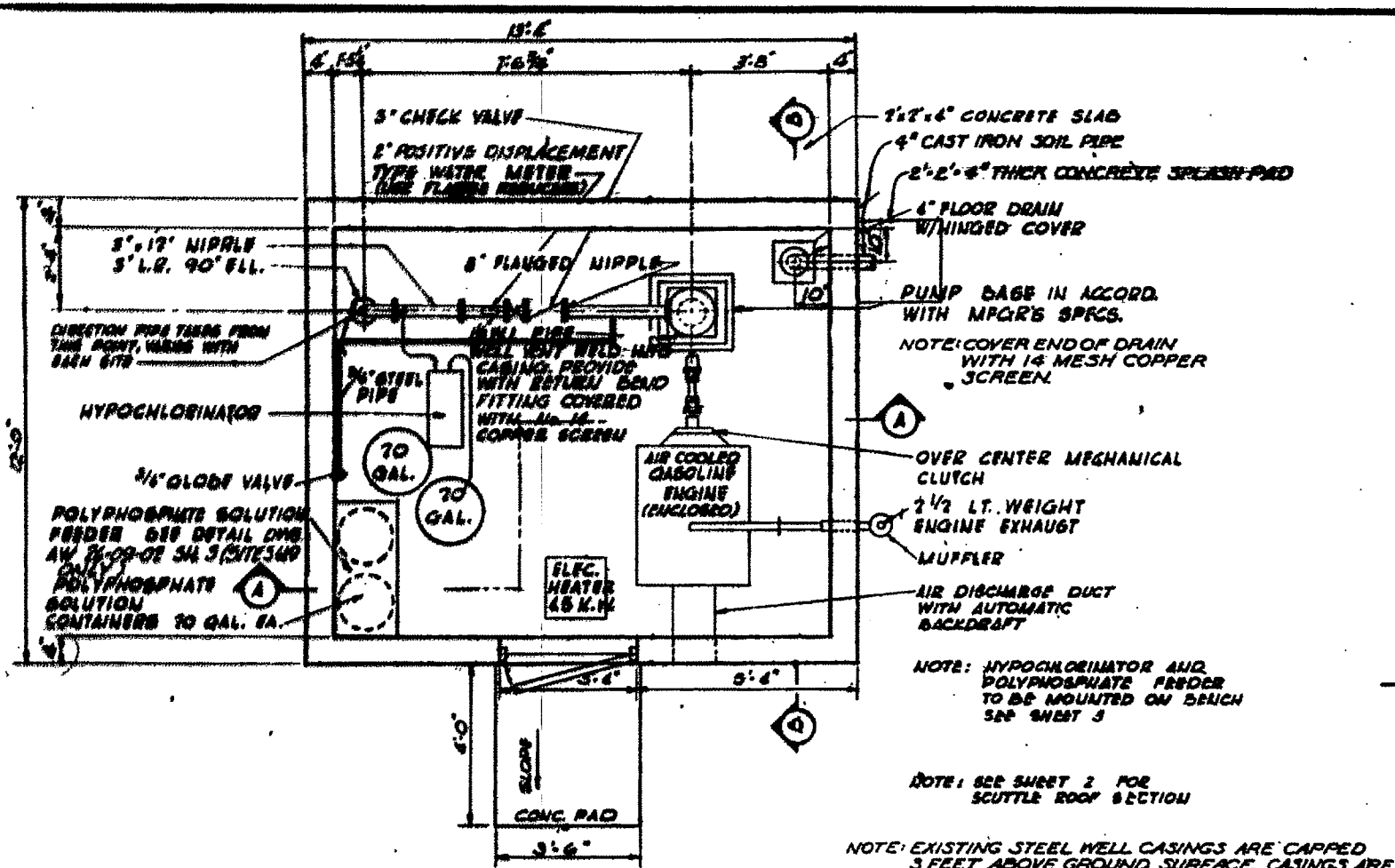
DATE: 21 NOV 1960
SCALE: 1/8" = 1'-0"

AW 26-04-02

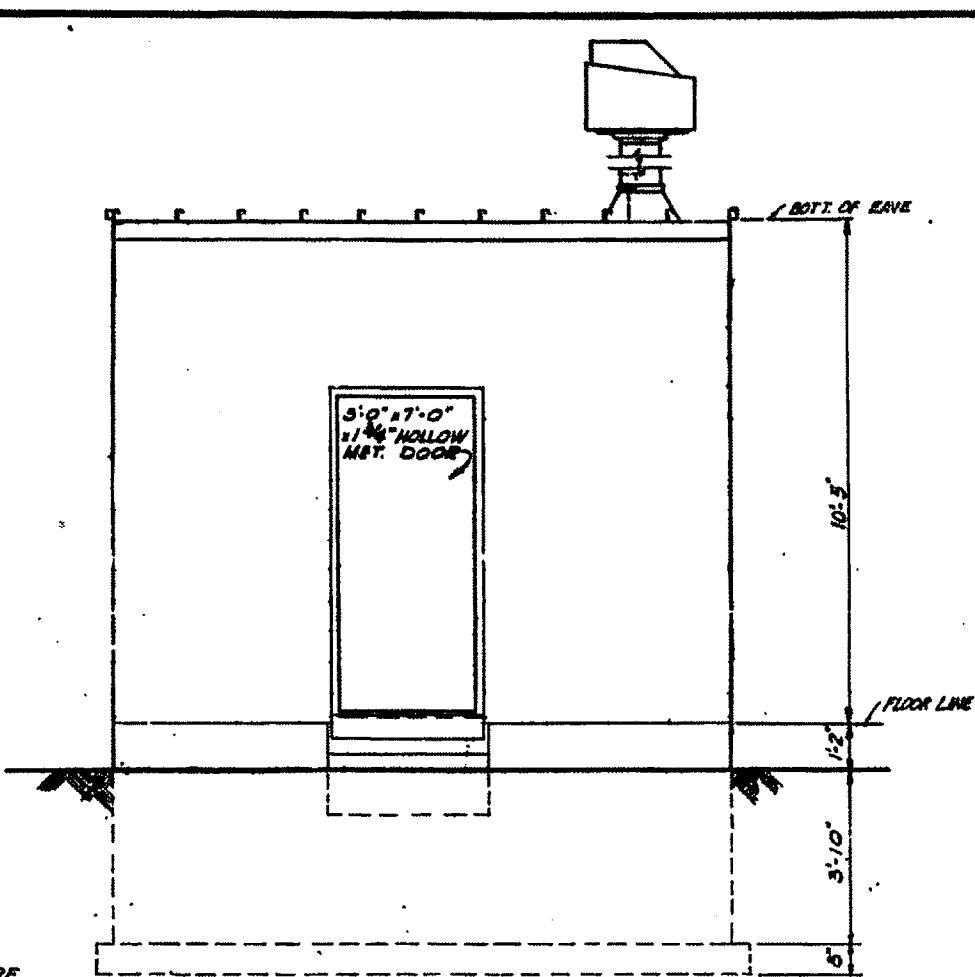


MAR 6 1962

THIS PLAN APPROXIMATES CONTRACT NO. 69-07-000-0100 (SUPERSEDES 69-50)

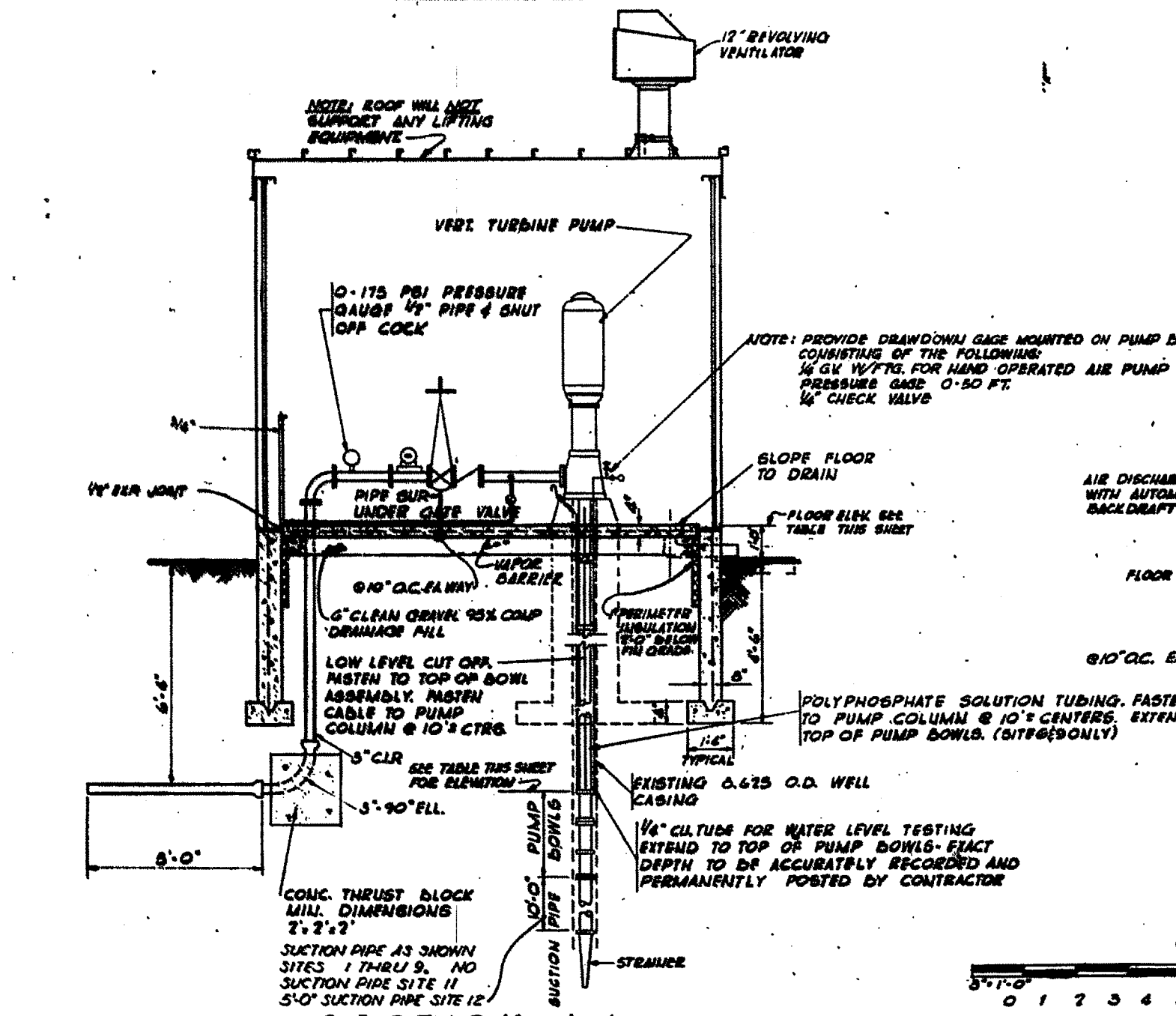


PLAN PUMP HOUSE TYPE I SCALE: 1/2"=1'-0"

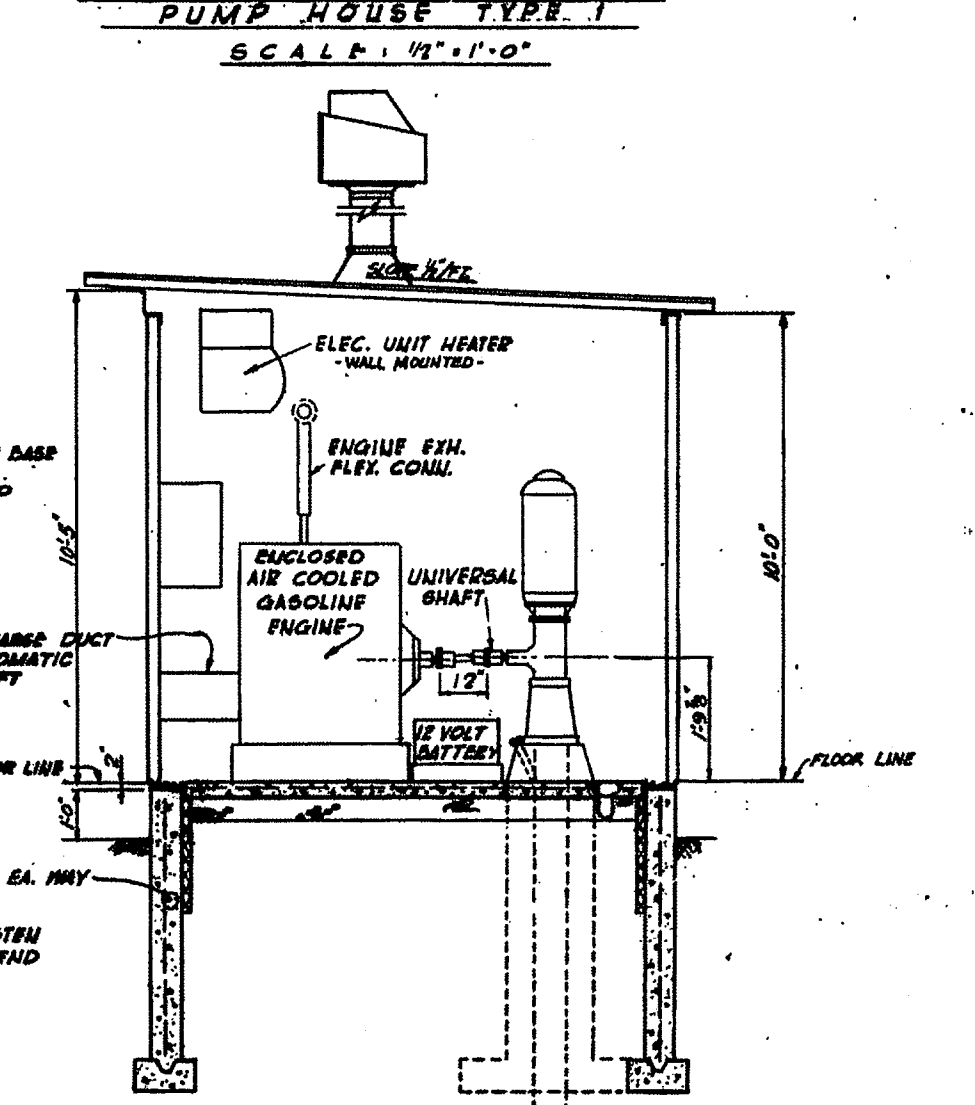


ELEVATION PUMP HOUSE TYPE I SCALE: 1/2"=1'-0"

NOTE: FOR DETAILS OF STEEL BUILDING, SEE DWG. AW 26-09-02 - SHEET 2



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



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

NOTE: FOOTINGS FOR SITES 4, 6, 9, 11 & 12 4'-6" BELOW FINISH GRADE AND FORMED ON EXISTING UNDISTURBED SOILS BELOW THE TOPSOIL.

PUMP HOUSE INFORMATION						
SITE	TYPE	FLOOR ELEV.	ELEV. OF UPPER PUMP BOWL	TOTAL DYNAMIC PUMPING HEAD	PUMP CAPACITY	
1	I	1334.00	1284	133	25 G.P.M.	
	II	1326.00	1280	132	25 G.P.M.	
2	I	1281.50	1280	170	25 G.P.M.	
	II	1249.00	1072	173	25 G.P.M.	
4	I	1406.00	1270	150	25 G.P.M.	
	II	1430.00	1270	112	25 G.P.M.	
5	I	1418.00	1227	119	25 G.P.M.	
	II	1487.00	1222	128	25 G.P.M.	
6	I(S)	1446.50	1246	159	10 G.P.M.	
	II(N)	1493.50	1237	136	10 G.P.M.	
7	I	1687.00	1610	82	25 G.P.M.	
	II	1688.00	1480	96	25 G.P.M.	
8	I	1647.00	1482	95	25 G.P.M.	
	II	1648.00	1508	268	25 G.P.M.	
9	I	1648.00	1555	268	25 G.P.M.	WELL NO.
	II(S)	1309.00	1215	145	15 G.P.M.	1
10	I(N)	1297.00	1203	150	10 G.P.M.	2
	II(SW)	1308.50	1211	154	5 G.P.M.	3
11	I(S)	1001.00	967	267	15 G.P.M.	1
	II(N)	998.00	959	265	15 G.P.M.	2
12	I(W)	1180.50	1077	161	15 G.P.M.	1
	II(E)	1128.50	1075	161	15 G.P.M.	2

- REV. TO SHOW CONSTR. AS-BUILT CONDITION
- ADDED SITES 10, 11 & 12. ENCLOSED NOTE
- REVISED IN ACCORDANCE WITH ADDENDUM NO. 7
- REVISED IN ACCORDANCE WITH ADDENDUM NO. 5
- REVISED IN ACCORDANCE WITH ADDENDUM NO. 2
- NEW DRAWING ADDED

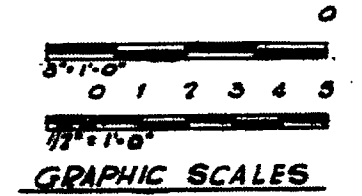
KIRBY, MICHAEL & ASSOCIATES
ENGINEERS - ARCHITECTS
OMAHA, NEBRASKA

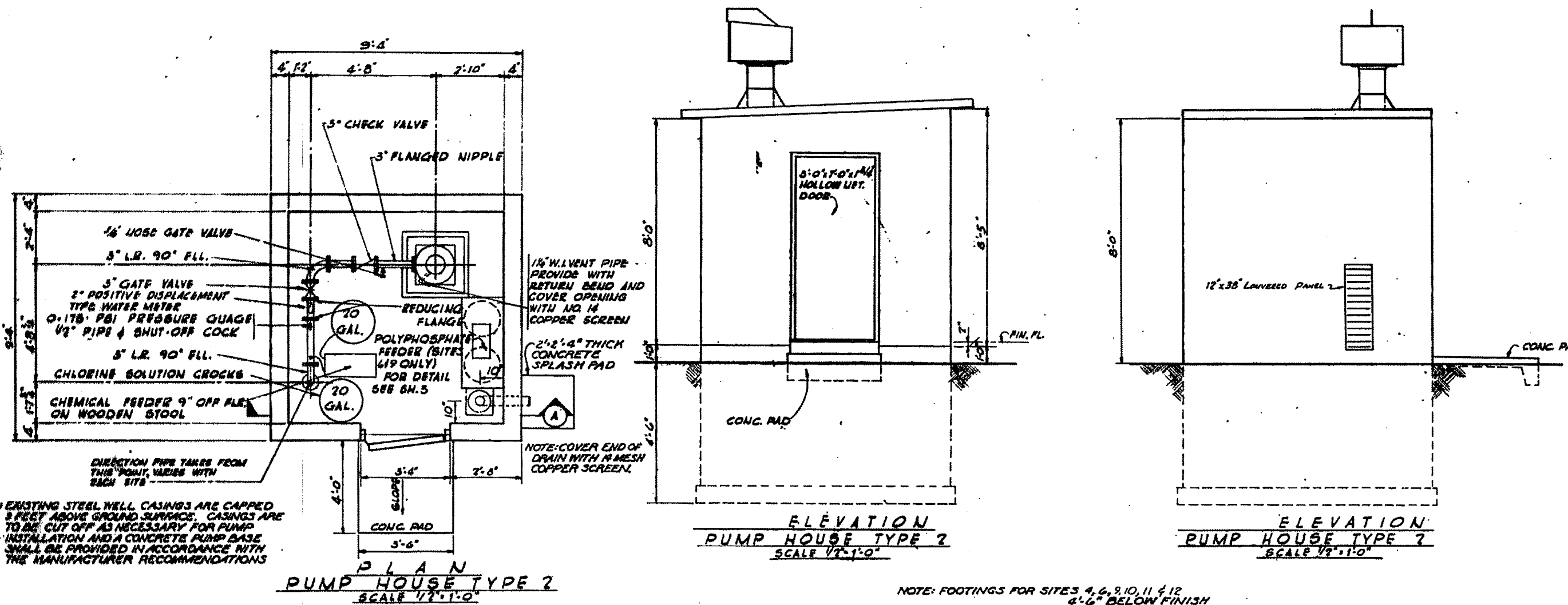
U.S. ARMY ENGINEER DISTRICT
OMAHA
CORPS OF ENGINEERS
OMAHA, NEBRASKA

PROJECT: WS-107A-1 OPERATIONAL BASE
PUMP HOUSE TYPE I
PLAN, ELEV. & DETAILS

DATE: 7 MARCH 1950

AW 26-09-02

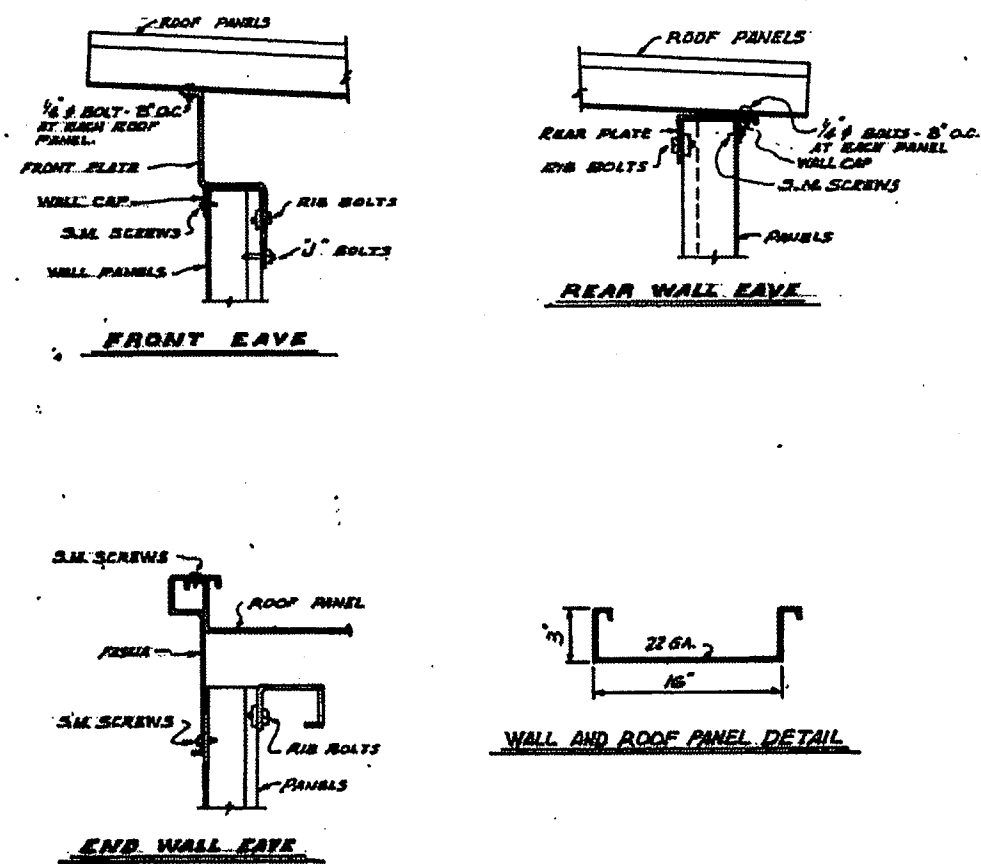
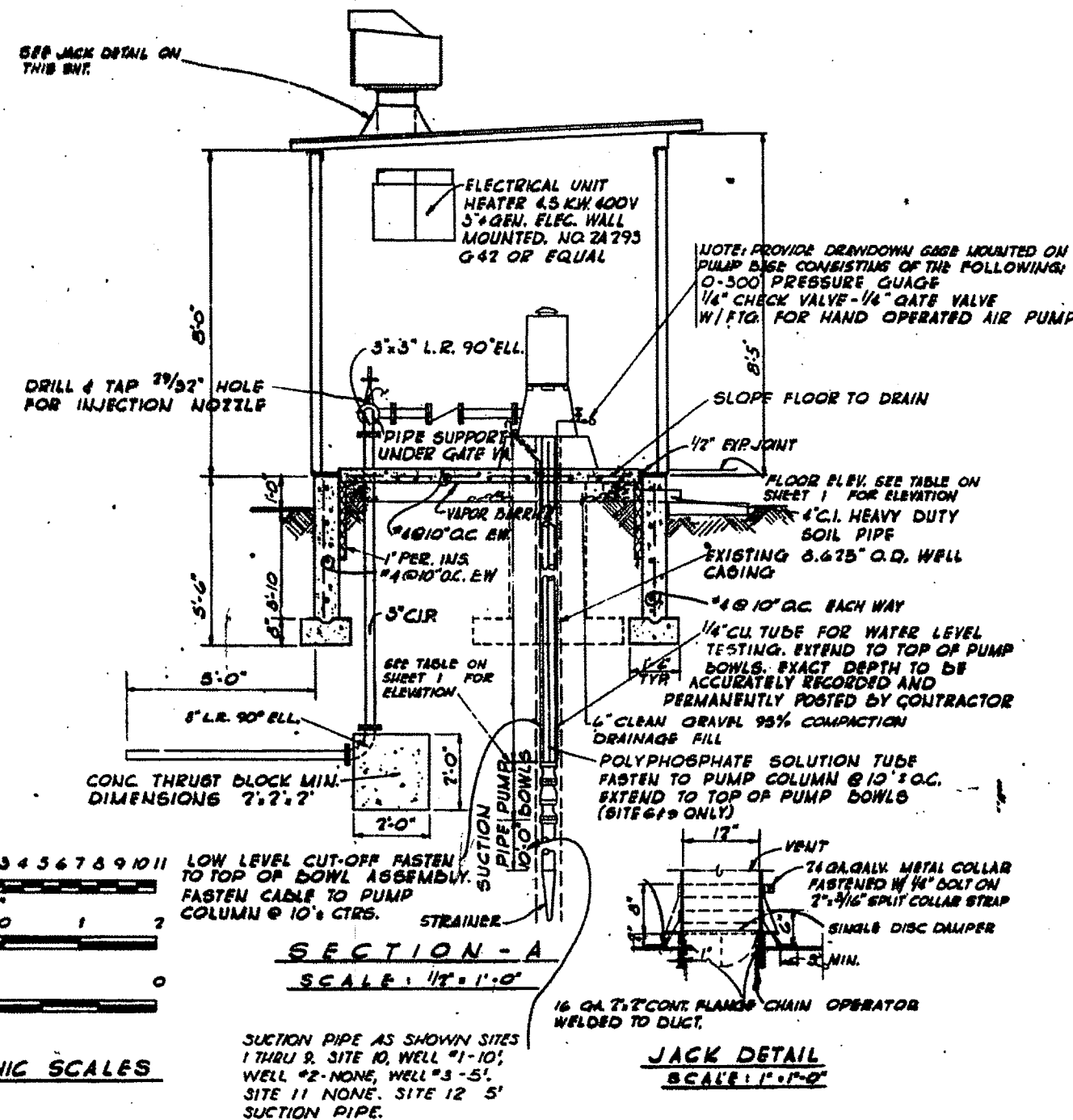




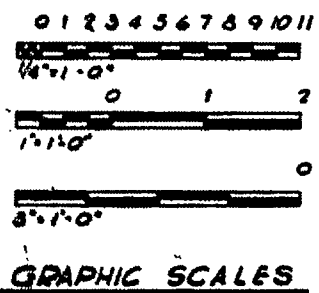
NOTE: EXISTING STEEL WELL CASINGS ARE CAPPED 3 FEET ABOVE GROUND SURFACE. CASINGS ARE TO BE CUT OFF AS NECESSARY FOR PUMP INSTALLATION AND A CONCRETE PUMP BASE SHALL BE PROVIDED IN ACCORDANCE WITH THE MANUFACTURER RECOMMENDATIONS

NOTE: FOOTINGS FOR SITES 4, 6, 9, 10, 11 & 12 4'-6" BELOW FINISH GRADE AND FOUNDED ON EXISTING UNDISTURBED SOILS BELOW THE TOPSOIL.

SEE JACK DETAIL ON THIS SHEET



NOTE: BUILDING DESIGNED FOR 30° SNOW LOAD AND 20° WIND LOAD BASED ON 11XZ SIZES.



LOW LEVEL CUT-OFF FASTEN TO TOP OF BOWL ASSEMBLY. FASTEN CABLE TO PUMP COLUMN @ 10" CTRS.

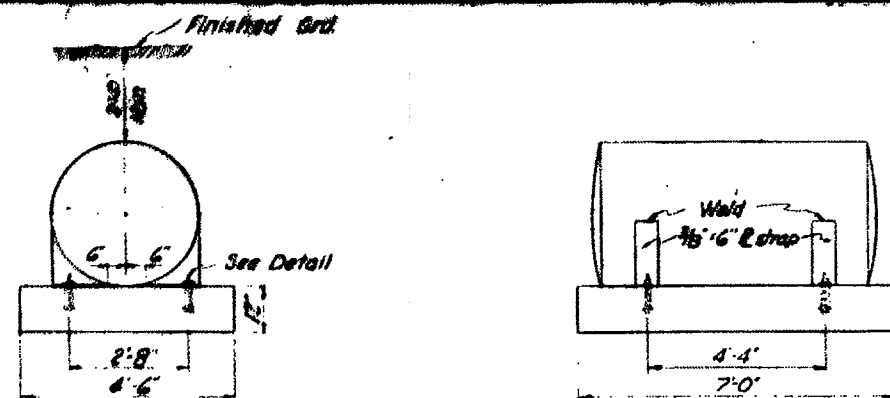
SUCTION PIPE AS SHOWN SITES 1 THRU 9, SITE 10, WELL #1-10; WELL #2-NONE, WELL #3-5; SITE 11 NONE, SITE 12 5' SUCTION PIPE.

In accordance with the provisions of the Uniform Code of Ordinances of the City of Lincoln, Nebraska, the following is determined to be the correct and true copy of the original drawing as shown to the City of Lincoln, Nebraska, on this date.

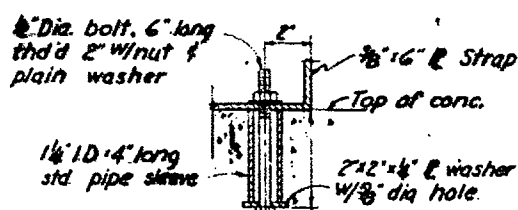
DATE: JAN 31 1962

11-25-60 REV. TO SHOW CORRECT AS-BUILT CONDITIONS 10-19-60 ADDED SITES 10, 11 & 12 3-11-60 Add. No. 1 New Drawing Added		CABACD BFD BIV RFR KMA RFR
DESIGNED BY: W J W DRAWN BY: F C H CHECKED BY: M E W APPROVED BY: G B M	LINCOLN 4 PB (ALY SITES) WS-107A-1 OPERATIONAL BASE PUMP HOUSE TYPE 2 PLAN, ELEV. & DETAILS	U.S. ARMY ENGINEER DISTRICT OMAHA CORPS OF ENGINEERS OMAHA, NEBRASKA
APPROVED: J. J. Hammond U.S. ARMY ENGINEER DISTRICT OMAHA, NEBRASKA	DATE: 7 MARCH 1960	SHEET 2 - AW 26-09-02

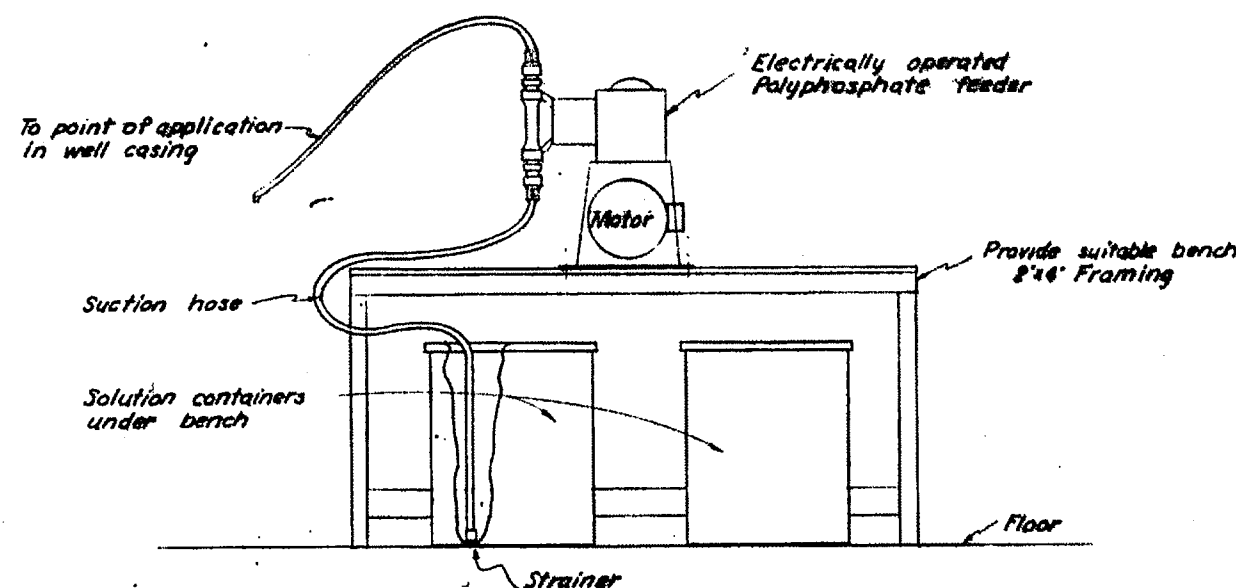
THIS PLAN ACCOMPANIES CONTRACT NO DA 27-066 ENG. MODIFICATION NO 57



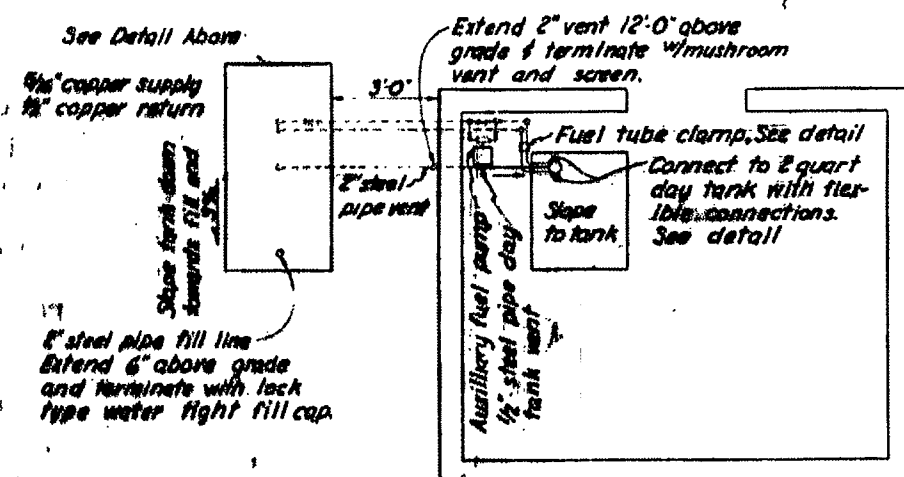
GAS TANK & BASE DETAIL
SCALE 1/4" = 1'-0"



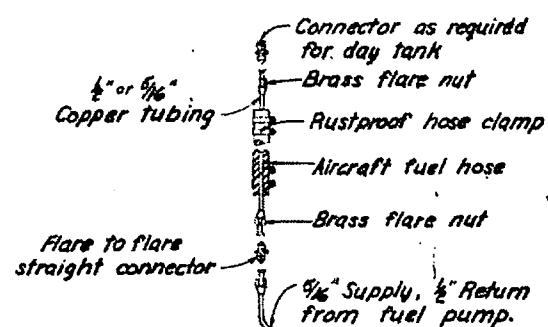
ANCHOR DETAIL
NO SCALE



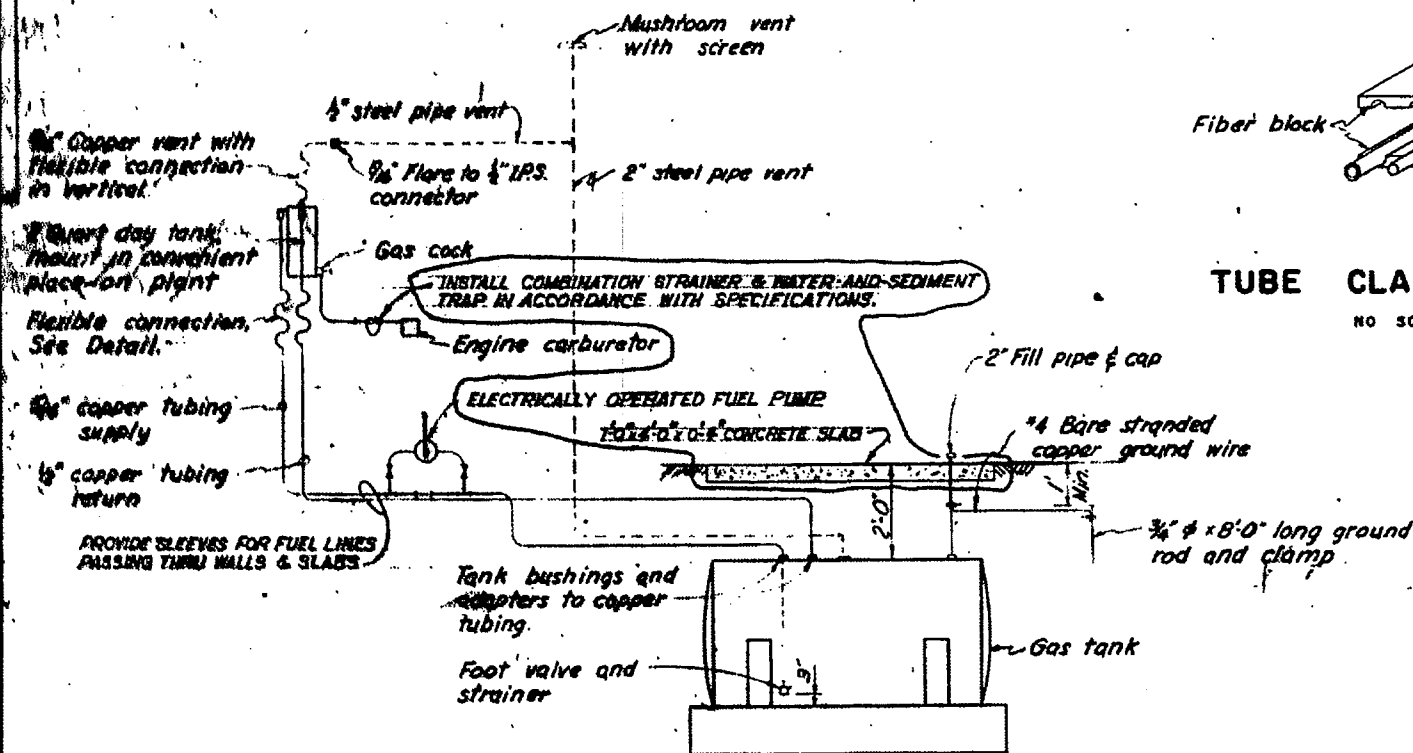
ELECTRICALLY OPERATED
POLYPHOSPHATE FEEDER
NO SCALE



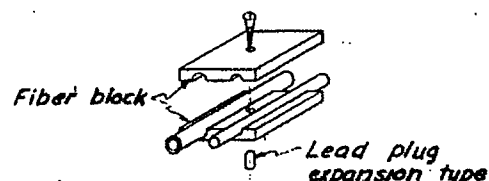
PLAN
NO SCALE



FUEL CONNECTIONS
NO SCALE



GASOLINE SYSTEM SCHEMATIC
NO SCALE

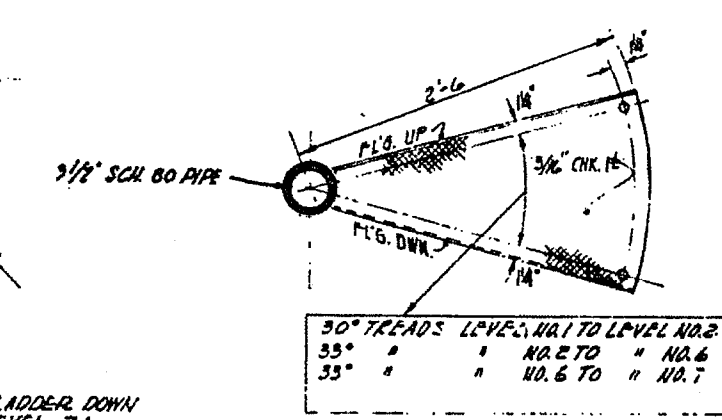
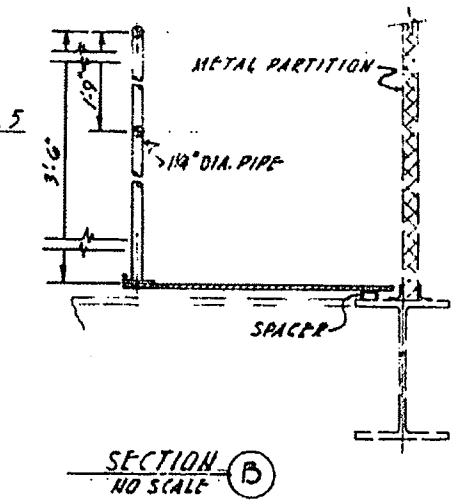
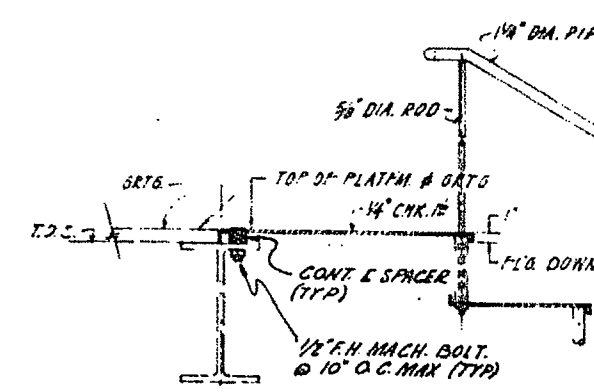
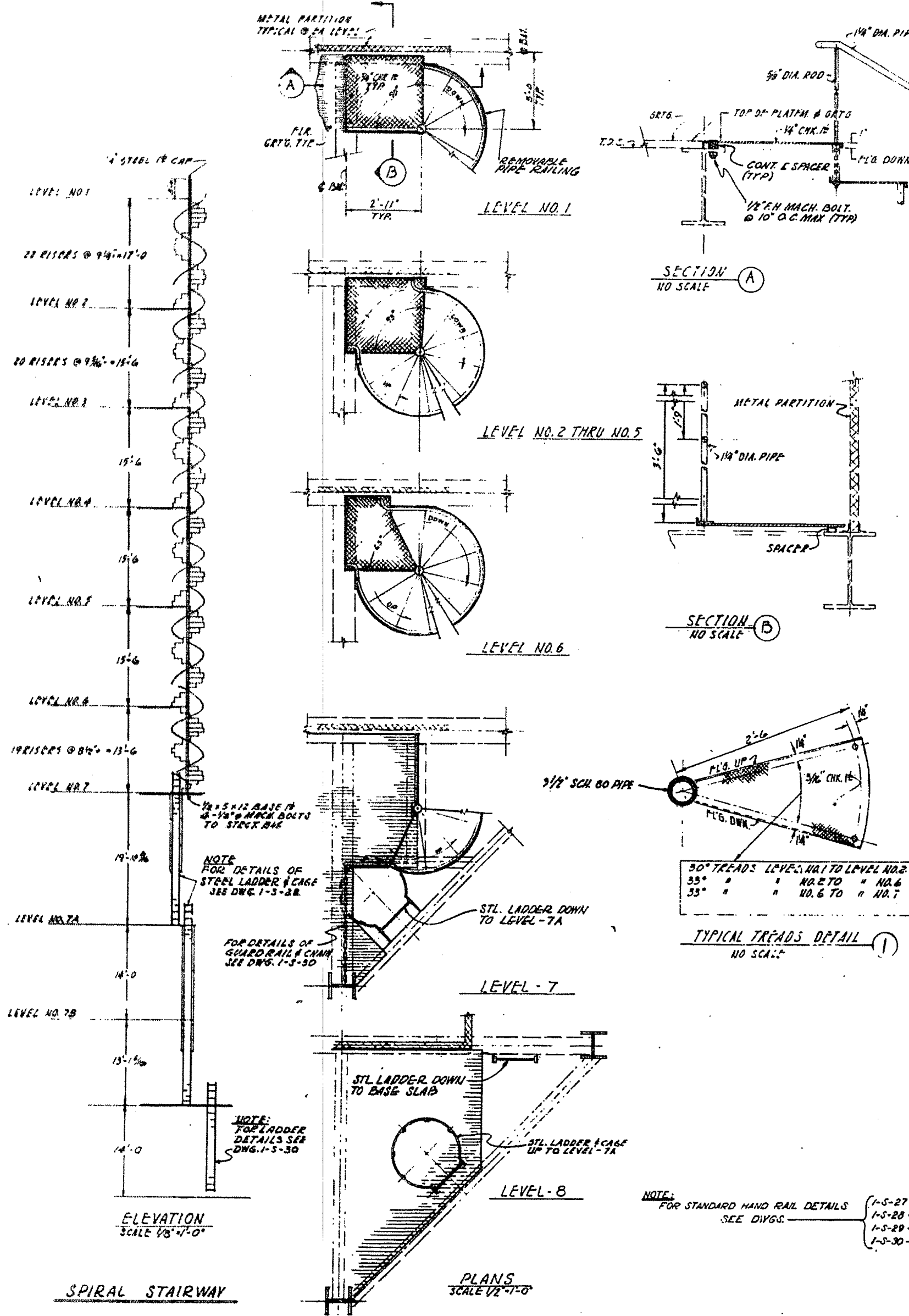


TUBE CLAMP DETAIL
NO SCALE



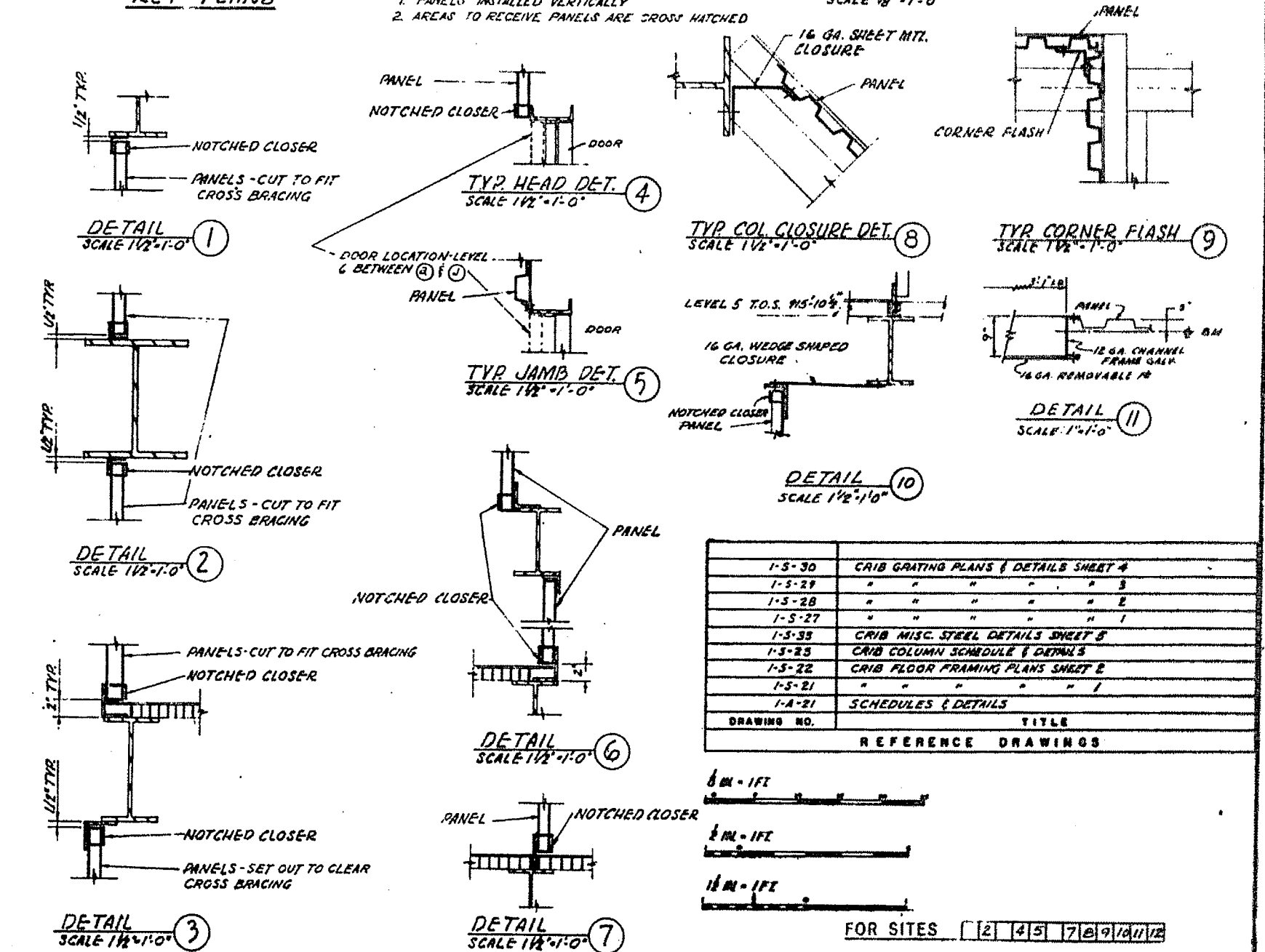
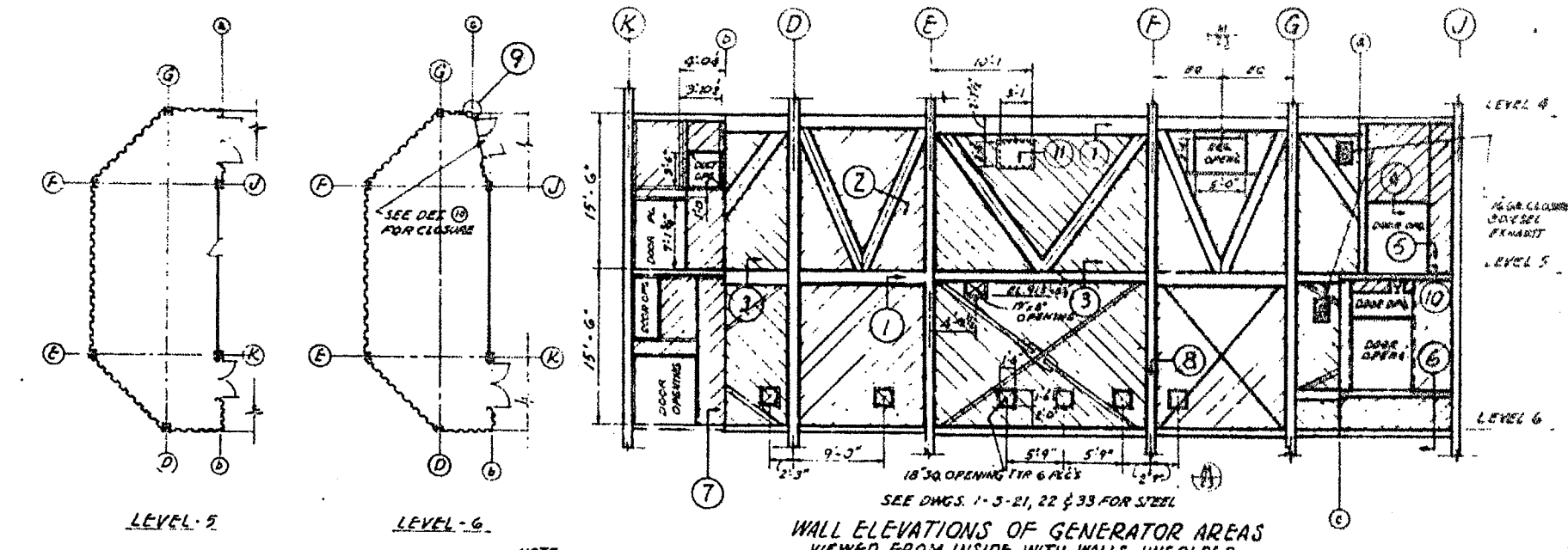
2-14-62	REVISED TO SHOW CONSTRUCTION AS BUILT CONDITION; REV.		
	NOTES & ADDED CONCRETE SLAB.	CEB/MCO	AM
3-29-60	Revised in accordance with Addendum No 5	BAY	RFA
3-11-60	Add. No. 1 New Drawing Added	KMA	RFA
DATE	DESCRIPTION	MADE	APPRO'D
DESIGNER			
K. H. HAMM AND ASSOCIATES ARCHITECTS-ENGINEERS OMAHA, NEBRASKA		U. S. ARMY ENGINEER DISTRICT OMAHA CORPS OF ENGINEERS OMAHA, NEBRASKA	
DESIGNED BY:	T. M. R.	LINCOLN A.F.B.	LINCOLN, NEBRASKA
DRAWN BY:	R. M. R.	WS-107A-1 OPERATIONAL BASE GASOLINE TANK DETAILS	
TRACED BY:	R. M. R.		
CHECKED BY:	B. B. M.		
ENGINEERED BY:	R. B. M.		
APPROVED:	W. H. Hammond	59 MCAF ADV. 800-000	DATE
			7 MARCH 1960
		SCALE AS SHOWN	DATE REVISION 25-084 60 55
			DRAWING NUMBER
			SHEET 3 OF AW 26-09-02

THIS PLAN ACCOMPANIES CONTRACT NO. DA-25-068-ENG. MODIFICATION NO.



NOTE: FOR STANDARD HAND RAIL DETAILS SEE DIVG. —

- 1-5-27 — FOR LEVELS 1 & 2
- 1-5-28 — FOR LEVELS 3 & 4
- 1-5-29 — FOR LEVELS 5 & 6
- 1-5-30 — FOR LEVELS 7 & 8



DRAWING NO.	TITLE
1-5-30	CRIB GRATING PLANS & DETAILS SHEET 4
1-5-28	" " " " " " " " 3
1-5-28	" " " " " " " " 2
1-5-27	" " " " " " " " 1
1-5-33	CRIB MISC. STEEL DETAILS SHEET B
1-5-25	CRIB COLUMN SCHEDULE & DETAILS
1-5-22	CRIB FLOOR FRAMING PLANS SHEET E
1-5-21	" " " " " " " " 1
1-A-21	SCHEDULES & DETAILS

DRAWING NO.	TITLE
1-5-30	CRIB GRATING PLANS & DETAILS SHEET 4
1-5-28	" " " " " " " " 3
1-5-28	" " " " " " " " 2
1-5-27	" " " " " " " " 1
1-5-33	CRIB MISC. STEEL DETAILS SHEET B
1-5-25	CRIB COLUMN SCHEDULE & DETAILS
1-5-22	CRIB FLOOR FRAMING PLANS SHEET E
1-5-21	" " " " " " " " 1
1-A-21	SCHEDULES & DETAILS

GENERATOR ENCLOSURE
SCALE AS SHOWN

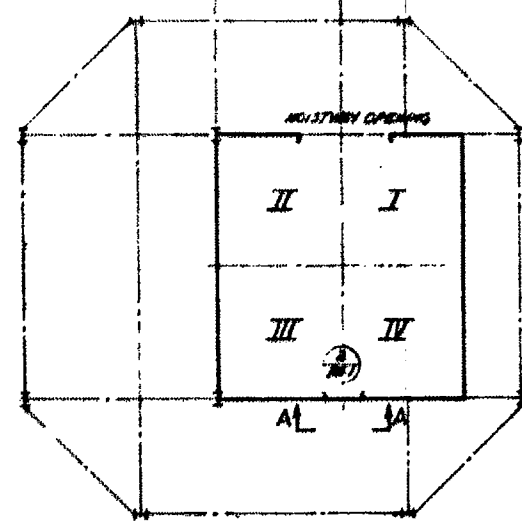
JAN 31 1962

REVISIONS:

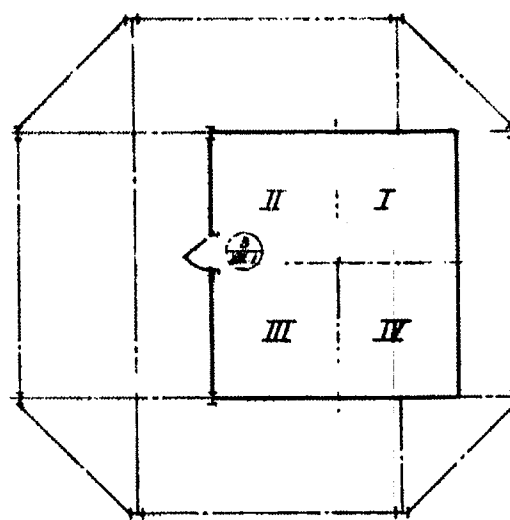
- 1-29-62 REV. TO SHOW CONSTR. CHANGED OUT AREA & AS-BUILT CONDITION GENERATOR AREA
- M-17-1 9/8/60
- M-23 7/17/60

DESIGNED BY: M. W. R. RILEY
CHECKED BY: M. W. R. RILEY
DRAWN BY: L. E. B. JONES
SCALE: 1/8" = 1'-0"

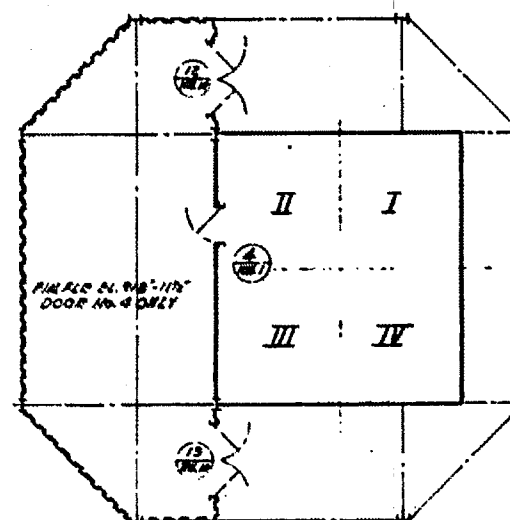
<p>BECHTEL CORPORATION ENGINEERS AND CONSTRUCTORS 300 PHOENIX - LOS ANGELES - NEW YORK</p>	<p>DEPARTMENT OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION (AFBMD) RESEARCH, DEVELOPMENT & TEST CENTER</p>
<p>WS 107 A-1 OPERATIONAL BASE UNITARY SILO LAUNCHING SILO SPIRAL STAIRWAY & GENERATOR ENCLOSURE</p>	
<p>DATE: 1-13-60 SCALE: 1/8" = 1'-0"</p>	<p>PROJECT NO: 285-75-066-60-92 DATE: 15 FEB 1960 SHEET: 551-A-1-A-20</p>



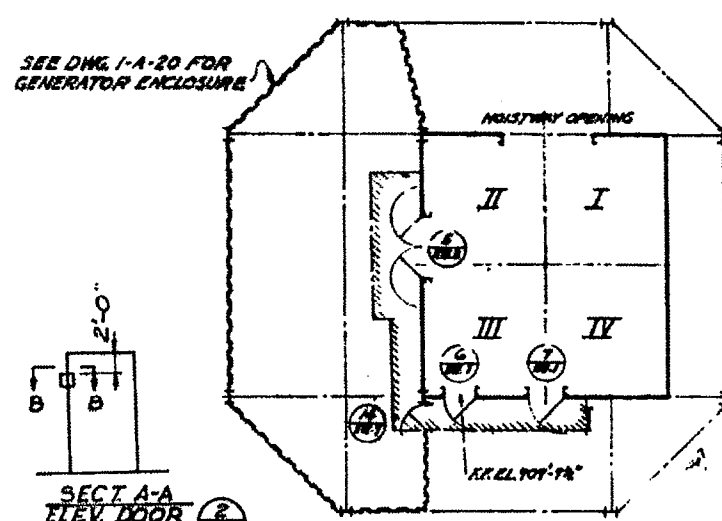
CRIB LEVEL - 1
P.P. PL. 919'-0"



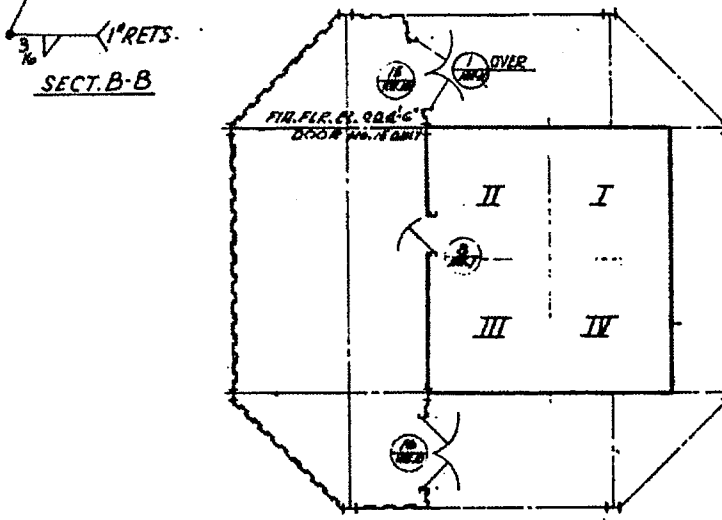
CRIB LEVEL - 2
P.P. PL. 962'-0"



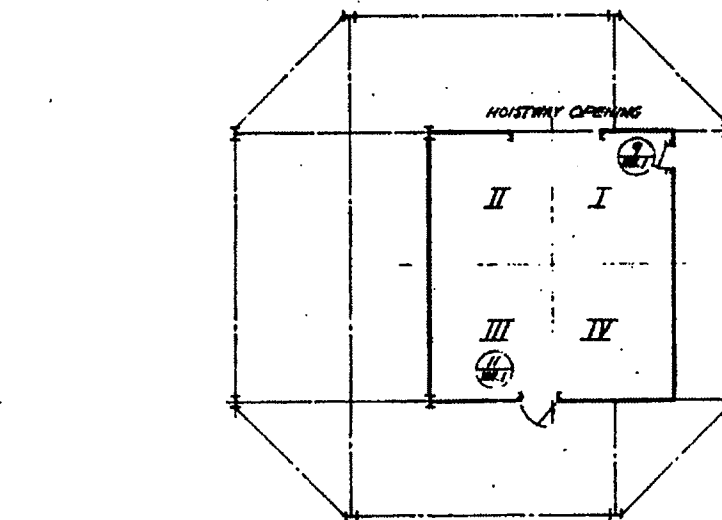
CRIB LEVEL - 5
P.P. PL. 916'-0"



WORK PLATFORM - 3
P.P. PL. 908'-5 1/2", EXCEPT AS NOTED OTHERWISE



CRIB LEVEL - 6
P.P. PL. 900'-0"



CRIB LEVEL - 8
P.P. PL. 840'-0"

SEE DWGS. 1-5-31 & 33 FOR E DOOR FRAME DIMENSIONED LOCATIONS.
DOOR LOCATION PLANS
SCALE: 1/8" = 1'-0"

DOOR SCHEDULE

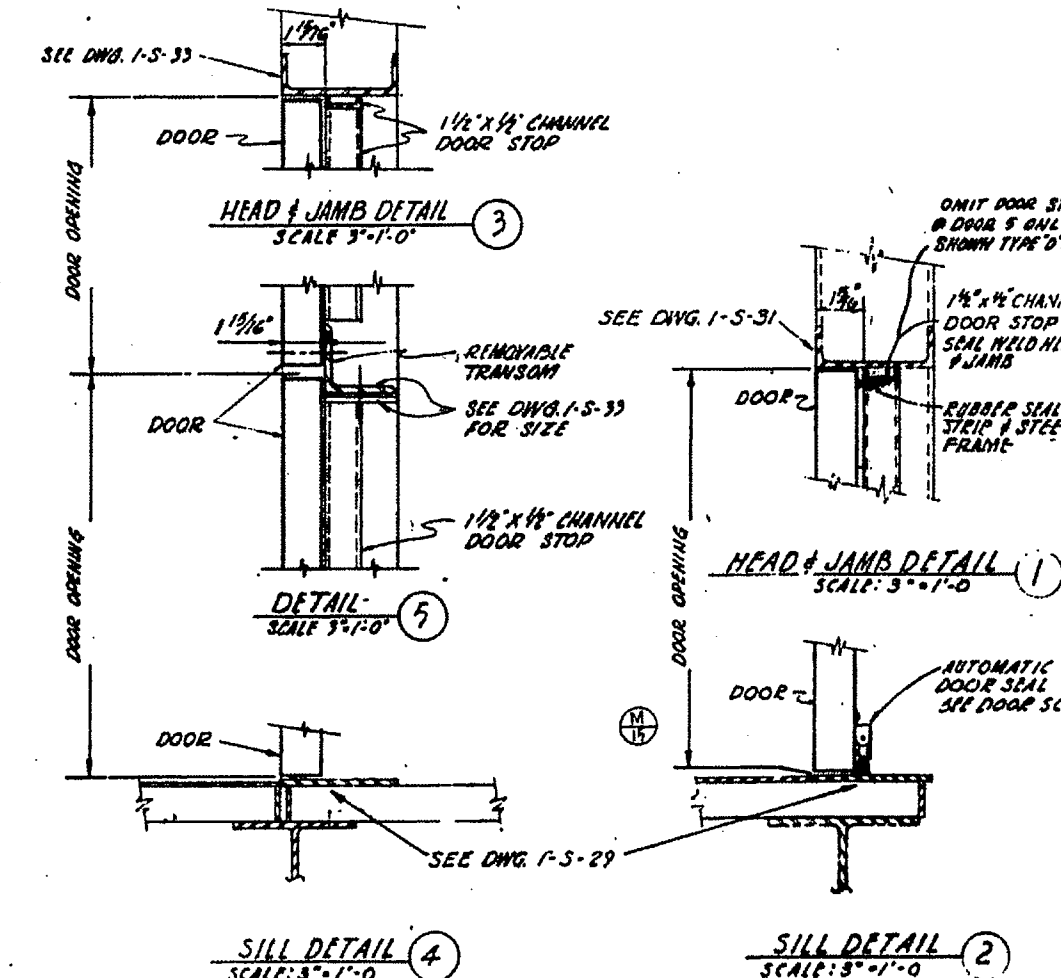
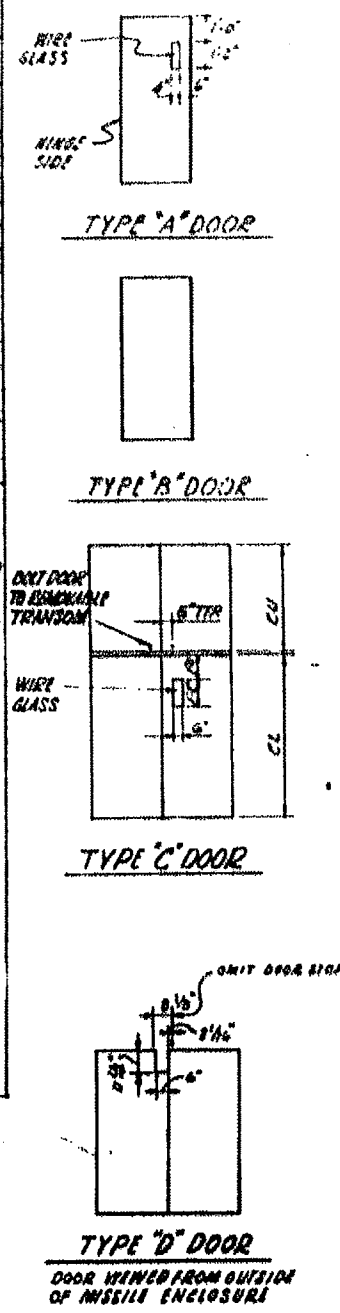
ROOM NO.	DOOR OPNG	SWING	TYPE	MATERIAL	FRANC	DETAILS			LEVEL	LOC.	REMARKS
						HEAD	JAMB	SILL			
1	3'-0" x 7'-0" x 1/4"	RHO	A	FLUSH HOLLOW METAL	CHANNEL	DET. 3	DET. 1	DET. 5	CRIB LEVEL 6	GEN. ENCL.	DOOR TO BE INSTALLED THROUGH DOOR & TRANSOM
2	3'-0" x 7'-0" x 1/4"	RHO	B	FLUSH HOLLOW METAL	CHANNEL	DET. 1	DET. 1	DET. 2	"	"	DOOR SEAL
3	3'-0" x 6'-0" x 1/4"	LHO	A	"	"	"	"	"	"	"	INSTALL LOCK SET UP 28" FROM BOTTOM OF DOOR
4	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	INSTALL LOCK SET UP 28" FROM BOTTOM OF DOOR
5	3'-0" x 6'-0" x 1/4"	LHO	A	"	"	"	"	"	"	"	"
6	3'-0" x 7'-0" x 1/4"	RHO	B	"	"	"	"	"	"	"	"
7	3'-0" x 6'-0" x 1/4"	LHO	A	"	"	"	"	"	"	"	"
8	3'-0" x 7'-0" x 1/4"	RHO	B	"	"	"	"	"	"	"	"
9	2'-0" x 6'-0" x 1/4"	RH	A	"	"	"	"	"	"	"	"
10	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	"
11	3'-0" x 7'-0" x 1/4"	RHO	B	"	"	"	"	"	"	"	"
12	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	"
13	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	"
14	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	"
15	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	"
16	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	"
17	3'-0" x 7'-0" x 1/4"	RHO	A	"	"	"	"	"	"	"	"

INTERIOR PAINTING SCHEDULE

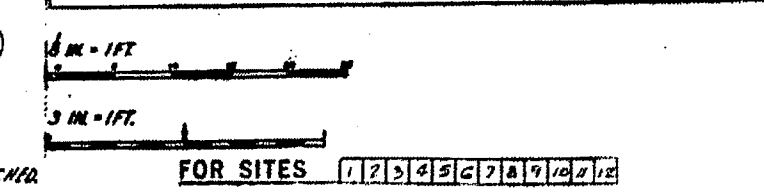
ITEMS TO BE PAINTED	FEDERAL STD. NO. 595	COLOR	FINISH
GRATING	24 3 2 5	TABLE II GREEN	SEMGLOSS
CHECKERED PLATE	24 2 7 7	"	"
SPIRAL STAIRWAY	"	"	"
STEEL LADDERS & STAIRS	"	"	"
STRUCTURAL STEEL	24 4 9 1	"	"
MISCELLANEOUS STEEL	"	"	"
HANDRAILS	"	"	"
BLAST DOORS	"	"	"
SUPPORTS & HANGERS	"	"	"
EXPOSED FERROUS PIPE (UTILITIES & PLUMBING)	24 4 9 1	"	SEMI-GLOSS
PIPING INSULATIONS	"	"	"
HOLLOW METAL DOORS	24 4 9 1	"	SEMI-GLOSS
MONORAILS	"	"	"

GENERAL NOTES

- PAINTED SURFACES TO BE PAINTED SHALL BE AS INDICATED ON THE INTERIOR PAINTING SCHEDULE & IN ACCORDANCE WITH THE SPECIFICATION "PAINTING GENERAL". COLORS SHALL BE IN ACCORDANCE WITH FEDERAL STANDARD NO. 595. COLORS SHOWN APPLY TO FINISH COAT ONLY. UNDERCOATS SHALL BE THIN TO APPROX. COLOR OF THE FINISH COAT. COLORS & TYPES OF PAINT SHALL BE VERIFIED WITH THE CONTRACTING OFFICER BEFORE WORK IS STARTED. PIPE COLOR CODING SHALL BE IN ACCORDANCE WITH THE SPECIFICATION "PIPELINE IDENTIFICATION AND COLOR CODING FOR UTILITY PIPING SYSTEMS."
- UNPAINTED SURFACES
 - FACTORY FINISHED ITEMS
 - GALVANIZED ITEMS
 - STAINLESS STEEL ITEMS
 - ALUMINUM ITEMS
 - CONCRETE



DRAWING NO.	TITLE
1-5-33	CRIB MISC. STEEL DETAILS SHEET 6
1-5-32	CRIB GRATING PLANS & DETAILS SHEET 3
1-5-31	MISSILE ENCLOSURE STEEL DRAWING
1-4-20	SPIRAL STAIRWAY (GENERATOR ENCLOSURE)



REVISION	DATE	DESCRIPTION	BY	CHKD
1	11-29-61	REV. TO SHOW DIMENSIONS, ADDED SECTIONS A-A AND B-B TO DOOR AND TRANSOM DETAILS	CEB/KCO	BR
2	M-89	CHG. DOOR IN OPENING FROM 6'-9" TO 6'-0" HIGH.	AF/AND	AR
3	M-17	DELETED DOOR IN IT FROM CRIB LEVEL 2 PLAN & POMP	AF/AND	AR
4	M-15	ADDED DOOR TO CRIB LEVEL 2 PLAN & POMP	AF/AND	AR
5	1/21/60	ADDED DOOR TO CRIB LEVEL 2 PLAN & POMP	AF/AND	AR
6	5/17/60	ADDED DOOR TO CRIB LEVEL 2 PLAN & POMP	AF/AND	AR

BECHTEL CORPORATION
ENGINEERS AND CONSTRUCTORS

DEPARTMENT OF THE AIR FORCE
AIR FORCE BALLISTIC MISSILE DIVISION

WS 107 A-1 OPERATIONAL BASE
UNITARY SILO
LAUNCHING SILO
SCHEDULES & DETAILS

REV. 29-066-06-12
14 FEB 1960

551-A -1-A-21

15 FEB 1960
8-SEP 1960
11-17 1960
5-27 1960

SEE DWG. 1-5-33
SEE DWG. 1-5-31
SEE DWG. 1-5-33 FOR SIZE
SEE DWG. 1-5-29

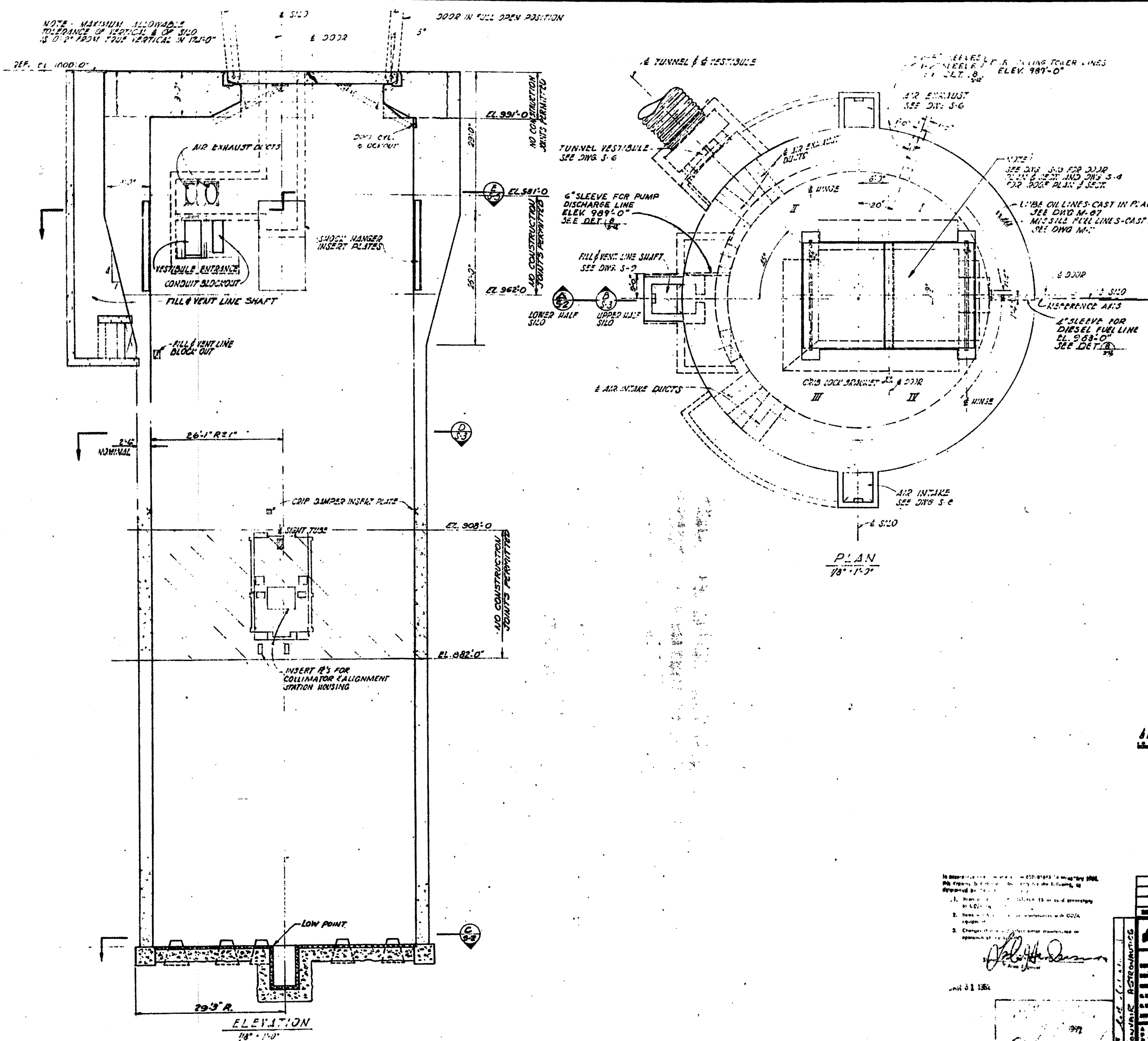
ONIT DOOR STOP @ DOOR 5 ONLY, AS SHOWN TYPE 'D' DOOR

1 1/2" x 1/4" CHANNEL DOOR STOP
RUBBER SEAL STRIP & JAMB FRAME

AUTOMATIC DOOR SEAL SEE DOOR SCHED.

SCALE: 3" = 1'-0"

NOTE: MAXIMUM ALLOWABLE TOLERANCE OF VERTICAL & OF SILO IS 0.2" FROM TRUE VERTICAL IN 121.0"



GENERAL NOTES
CONSTRUCTION JOINTS
 1. JOINTS SHALL BE LOCATED AS SHOWN ON DRAWINGS SUBJECTED TO CONSTRUCTION AT CONSTRUCTION JOINTS SHALL BE WELL SANDBLASTED OR EFFECTIVELY CLEANED BY OTHER MEANS ACCEPTABLE TO CONTRACTING OFFICER SO AS TO LEAVE A CLEAN SURFACE OF CONCRETE. WASTE EXPOSED SURFACE SHALL BE IMMEDIATELY COVERED WITH CURING COMPOUND OR PLACING THE NEXT COURSE OF CONCRETE. THE CLEAN AND WASHED SURFACES SHALL BE COVERED WITH CEMENT MORTAR. REFER TO DETAILS FOR ADDITIONAL DETAILS. ALL CONSTRUCTION JOINTS ARE PERMITTED UNLESS EXCEPT WHERE NOTED ON THE DRAWINGS. THE LOCATION OF ADDITIONAL CONSTRUCTION JOINTS SHALL BE APPROVED BY THE CONTRACTING OFFICER.

REINFORCING STEEL-BUTT WELDED JOINTS
 2. REINFORCING STEEL TO BE JOINED IN THE FIELD BY EITHER THE TACKWELD WELDING PROCESS OR SWELED ARC WELDING METHOD.
 3. THE SELECTION OF WELDING ELECTRODE WILL BE LIMITED TO THE LOW HYDROGEN TYPE.
 4. SPECIAL CARE WILL BE TAKEN TO PREVENT OVER EXPOSURE OF ELECTRODES TO MOISTURE AT ANY TIME.
 5. FIELD APPLICATION DURING HIGH RELATIVE HUMIDITY (40% MAXIMUM AS TO MANUFACTURERS RECOMMENDATION) SHALL BE MINIMIZED TO 2 HOURS.
 6. HERMETICALLY SEALED BOXES OR PACKAGES WILL BE USED IN THE FIELD FOR ELECTRODES. OPENED BOXES WILL BE RETURNED TO THE DRAWING OVER.

GENERAL
 7. REFERENCE ELEVATION AT TOP OF SILO EQUALS 1000.0' FOR ACTUAL ELEVATION AND ORIENTATION OF REFERENCE AXIS SEE CIVIL DRAWINGS.
 8. SEE ELECTRICAL AND MECHANICAL DRAWINGS FOR LOCATION OF EMBEDDED ITEMS NOT SHOWN ON THE STRUCTURAL DRAWINGS.
 9. SPECIAL PRECAUTIONS SHALL BE TAKEN TO REMOVE Voids IN THE CONCRETE AROUND THE SHOCK HANGER INSERT PLATE AND THE OVERHEAD DOOR ACTUATOR BRACKETS.
 10. NOTE THE USE OF HIGH STRENGTH REINFORCING STEEL IN THE OVERHEAD DOOR AND HIGH STRENGTH STEEL BOLTS ON THE DETAILS. SPECIAL PRECAUTIONS SHALL BE TAKEN TO INSURE THEIR PROPER PLACEMENT.
 11. THE MINIMUM CONCRETE STRENGTH IN 28 DAYS SHALL BE 3000 P.S.I. EXCEPT FOR OVERHEAD DOOR SLAB WHICH SHALL BE 5000 P.S.I.

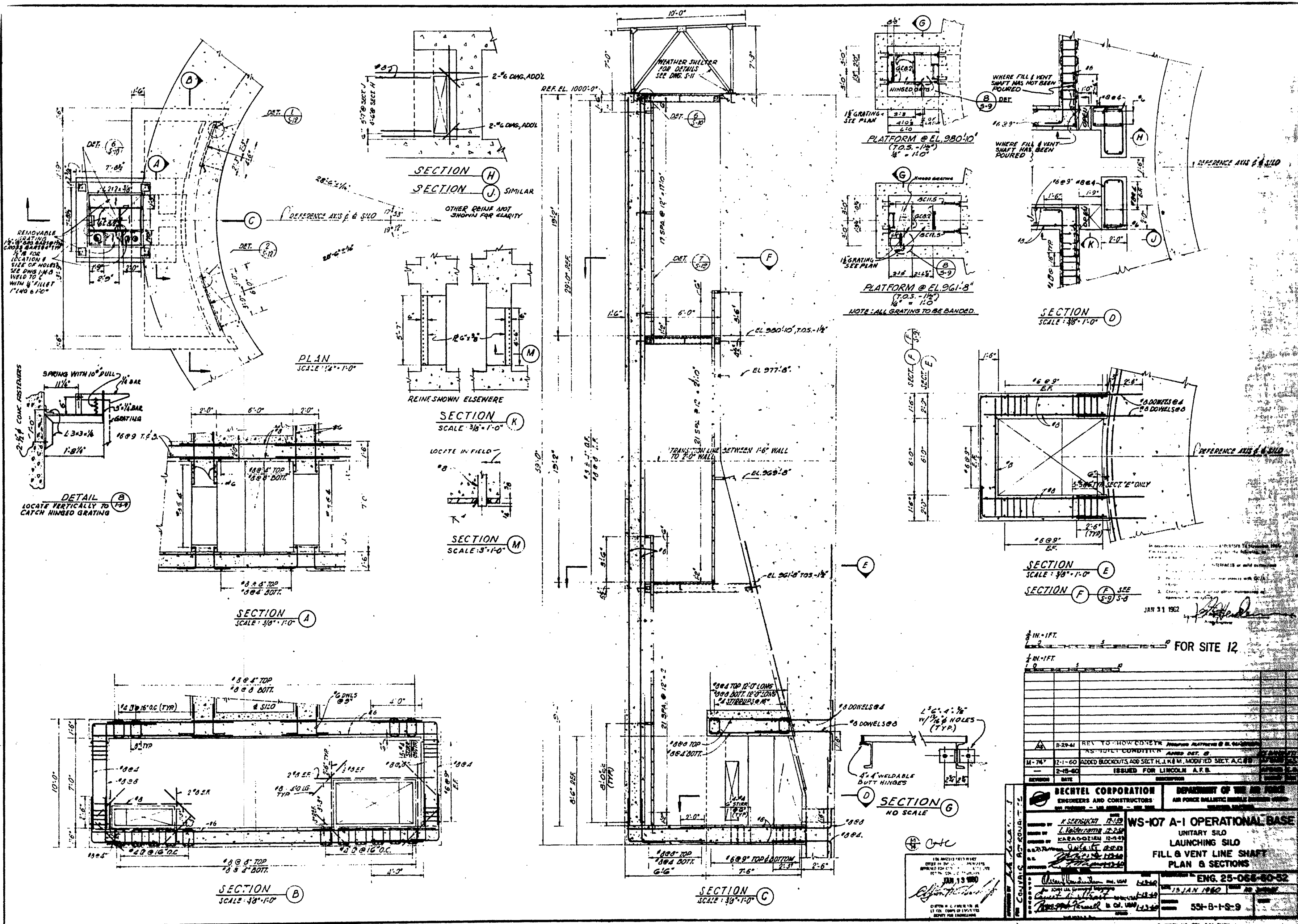


FOR SITE 1,5,6,7,10,11,12

REVISIONS:
 1. Issue for construction
 2. Issue for construction
 3. Change to construction

JAN 31 1960

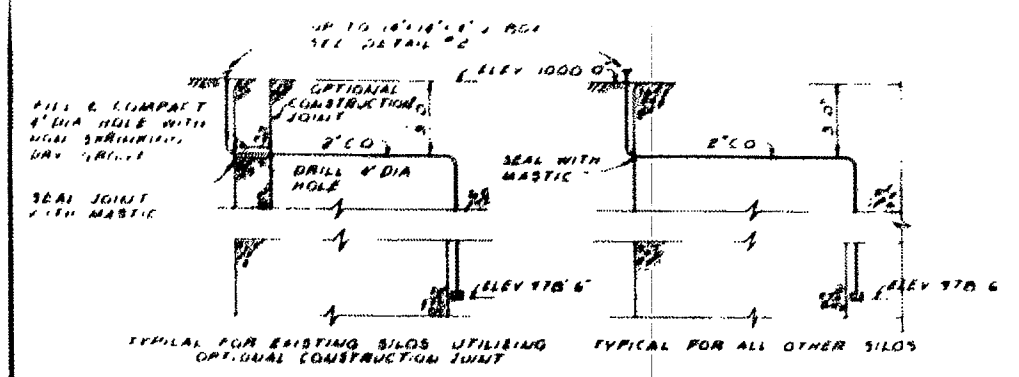
ISSUED FOR LINCOLN A.F.S.	REVISIONS	DATE	BY
1			
2			
3			
BECHTEL CORPORATION ENGINEERS AND CONSTRUCTORS 225 CALIFORNIA STREET, OAKLAND, CALIF.		DIVISION OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION WASHINGTON, D.C.	
DRAWN BY: MARSHALLAN 2/2/59 CHECKED BY: L. J. GIBSON 2/2/59 DESIGNED BY: MARSHALLAN 1/29/59 ALL R.F.P. NO. 25-066-80-52 DATE: 1/29/59		WS-107 A-1 OPERATIONAL BASE UNITARY SILO LAUNCHING SILO GENERAL PLAN & ELEVATION	
PROJECT NO. 25-066-80-52 DATE: 12 JAN 1960		551-B-1-S-1	



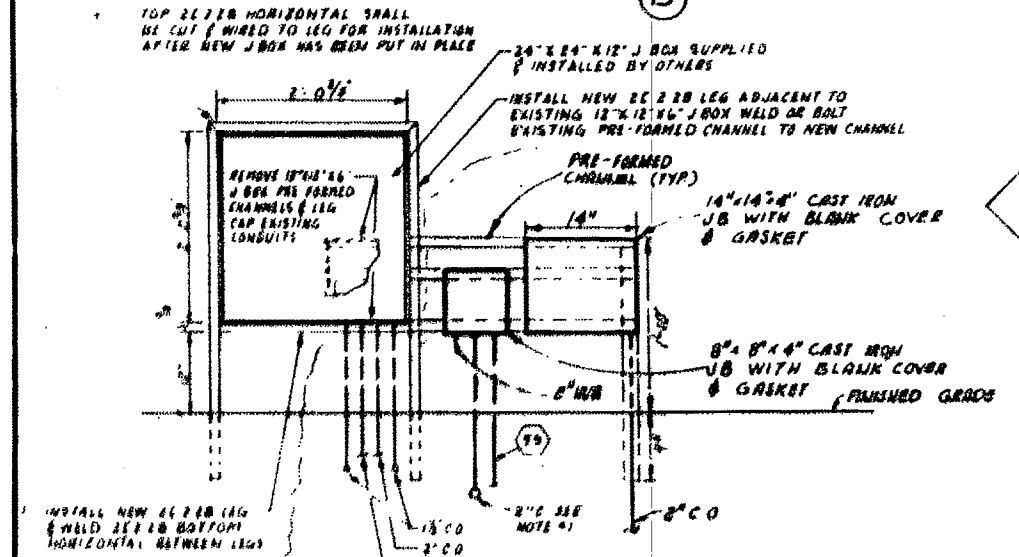
FOR SITE 12

REV	DATE	BY	DESCRIPTION
B-29-41	REV TO HOW CONCRET
M-74	7-1-60	...	ADDED BLOCKOUTS AND SECT H, I, K & M, MODIFIED SECT A, C & E
2-18-60	ISSUED FOR LINCOLN A.F.B.

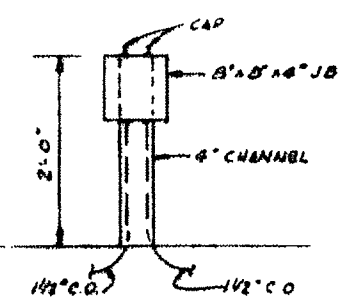
BECHTEL CORPORATION ENGINEERS AND CONSTRUCTORS		DEPARTMENT OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION	
WS-107 A-1 OPERATIONAL BASE UNITARY SILO LAUNCHING SILO FILL & VENT LINE SHAFT PLAN & SECTIONS		ENG. 25-068-60-52 15 JAN 1962	
53-B-1-S-9			



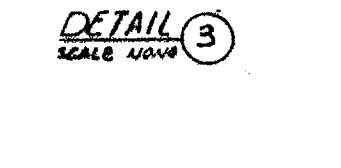
SECTION B



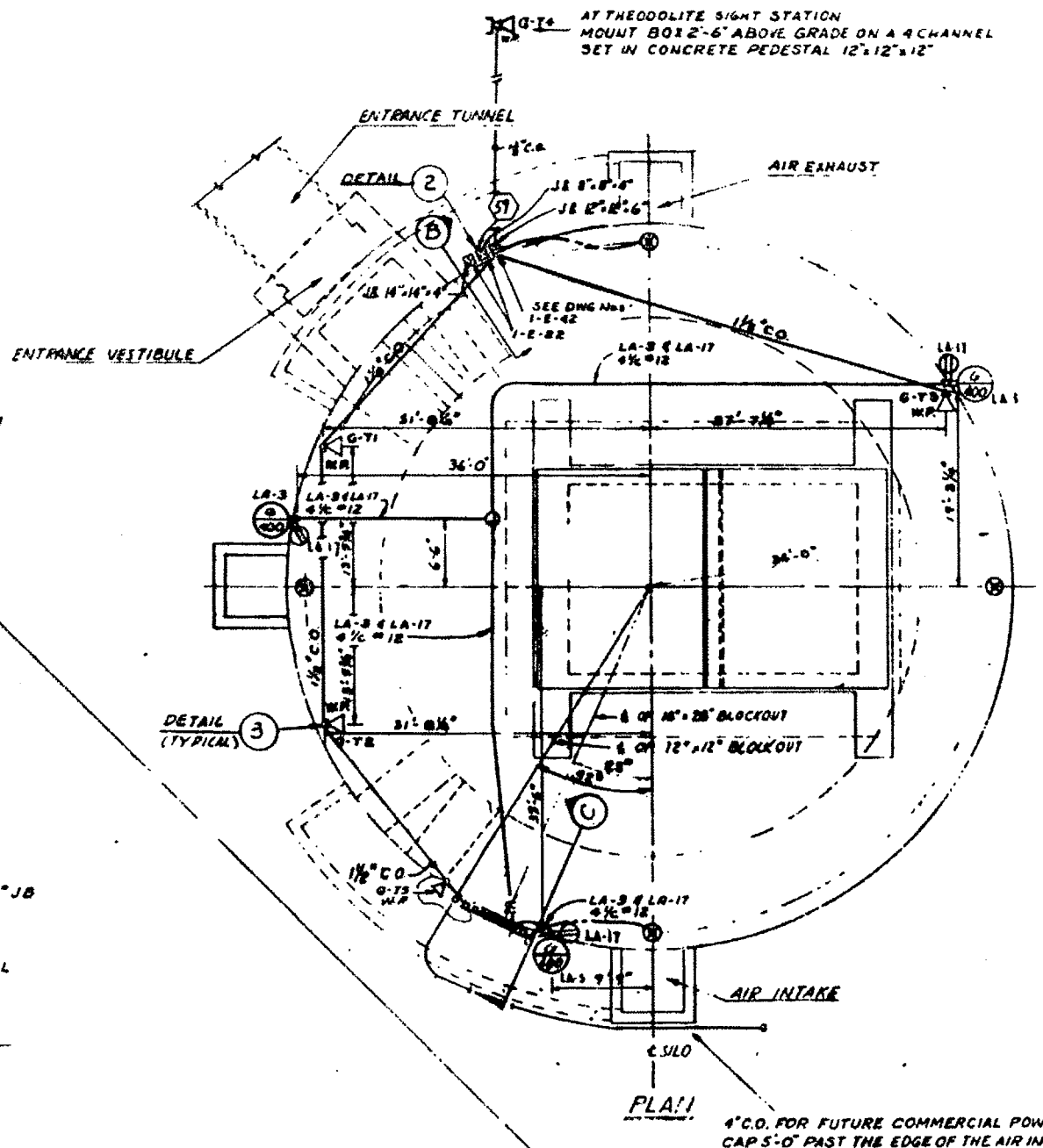
DETAIL 1



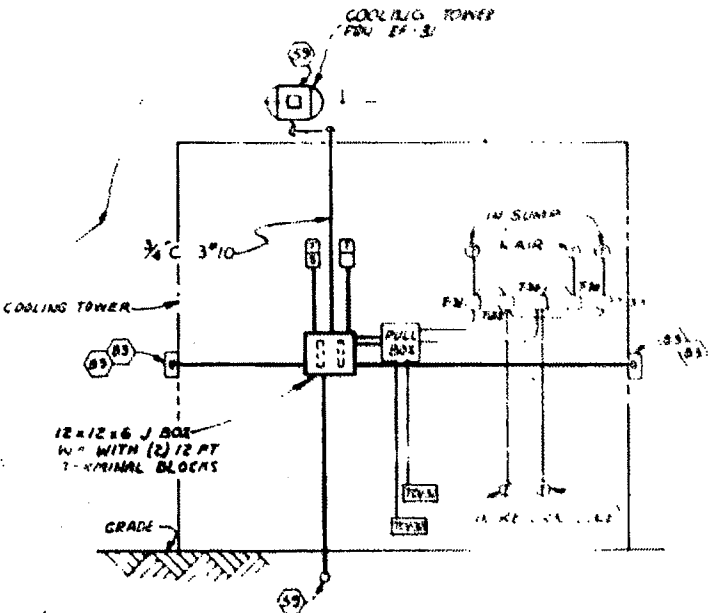
DETAIL 2



DETAIL 3



ELEVATION A



COOLING TOWER WIRING

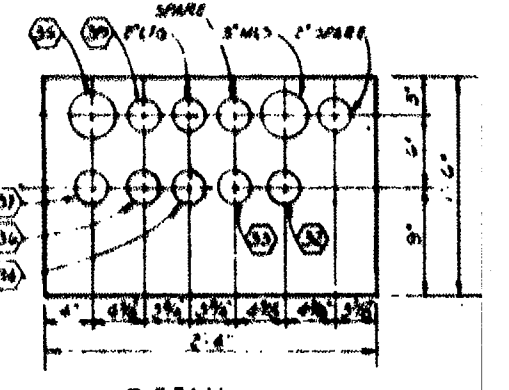
NOTE

1. SEE U.G. POWER & COMMUNICATION PLAN FOR EACH SITE

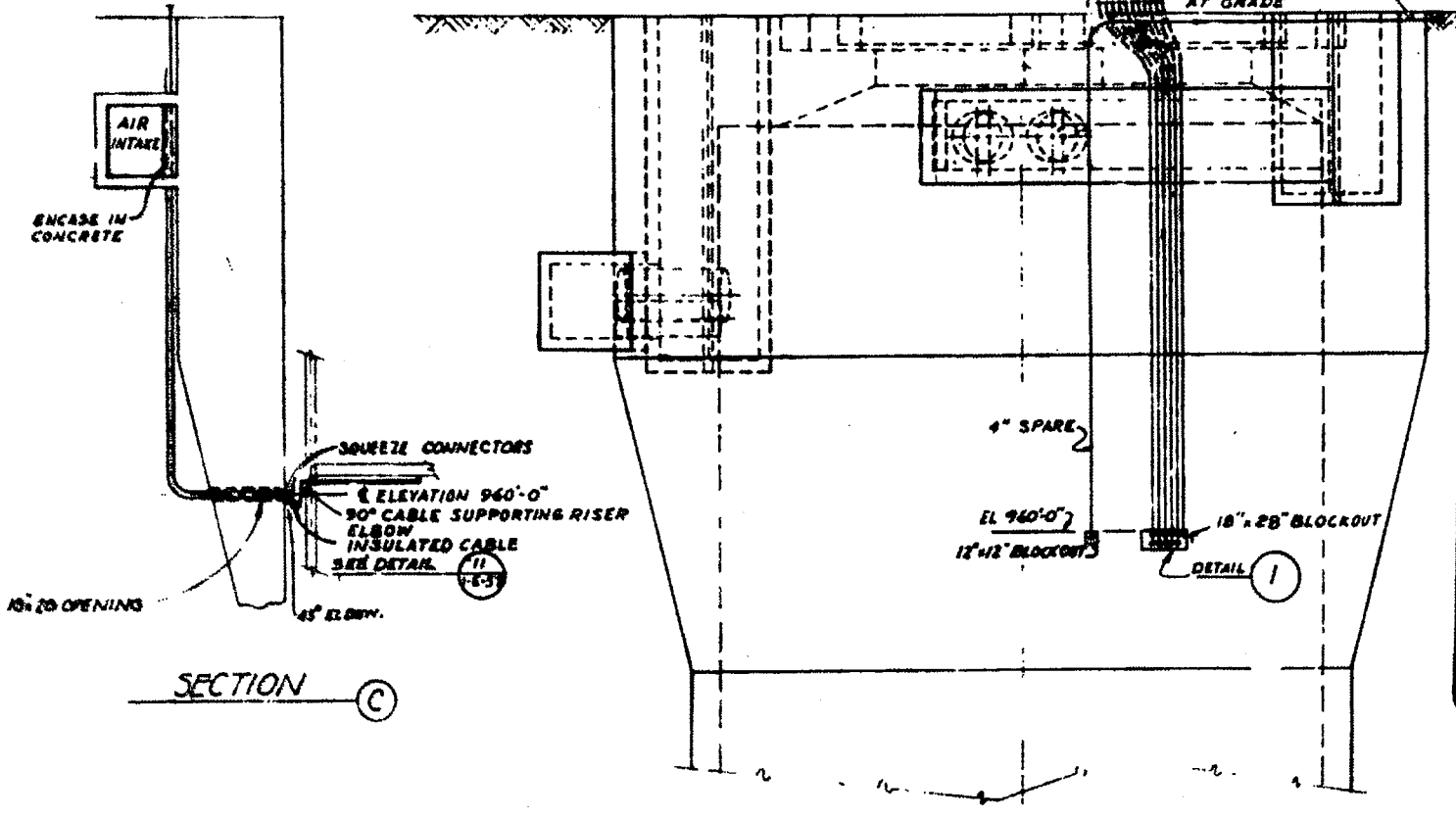
1-E-21	ELECTRICAL CONDUIT PLAN LEVEL 1
1-E-22	ELECTRICAL CONDUIT PLAN LEVEL 2
1-E-17	GROUNDING DETAILS
1-E-58	CONDUIT DETAIL PART-B
1-E-60	ELECTRICAL SYMBOLS, FUTURE SCHEDULE, NOTES & ABAND
1-E-1	GROUNDING PLAN W/ ELEVATION
1-E-87	CONDUIT DETAILS PART 1
1-E-55	LIGHTING DETAILS
1-E-53	RISER DIAGRAM FIRE ALARM TELEPHONE PH & LIGHTING
1-E-23	ELECTRICAL CONDUIT PLAN LEVEL 3
DRAWING NO.	TITLE
REFERENCE DRAWINGS	

SCALE 1/8" = 1' 0"

FOR SITES	6	7	8	9	10	12
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DETAIL 1



SECTION C

In accordance with a contract for 2507-2-1-2 (November 1951) this drawing is prepared as shown by the drawings determined by the drawings of the project.

- Items affecting the safety of the project or added connections to the system.
- Items which would cause interference with the operation of the system.
- Changes that would affect the maintenance or operation of the system.

JUN 13 1962

1-E-55	REVISED TO SHOW CONSTRUCTION AS SHOWN IN REVISIONS	APPROVED
M-45	CHANGED CONDUIT 4\"/>	
M-17	ADDED 14\"/>	
1-E-60	REVISED IN ACCORDANCE WITH ADDITIONAL DATA IN WORK ORDER	APPROVED
2-15-60	ISSUED FOR LINCOLN AFB	APPROVED

BECHTEL CORPORATION ENGINEERS AND CONSTRUCTORS	DEPARTMENT OF THE AIR FORCE AIR FORCE BALLISTIC MISSILE DIVISION (AFMD)
WS-107 A-1 OPERATIONAL BASE	
UNITARY SILO LAUNCHING SILO	
ELECTRICAL AREA PLAN AT GRADE	
ENG 25-066-60-52	
551-B-1-E-30	