LAUNCH OPERATIONS BUILDING

ARCHITECTURAL

B.M.D. INDEX NO.	A. & E. DWG. NO.	TITLE
5D1.6.1	3115-3-X-A-0	COVER SHEET
	X-A-00	INDEX SHEET
	X2-A-1	FLOOR PLAN & SCHEDULES
	X2-A-2	EQUPT. PLAN - ABOVE FLOOR
	X2-A-3	SECTIONS
	X2-A-4	DETAILS
	X2-A-5	INTERIOR ELEVATIONS
	X2-A-6	REFLECTED CEILING PLAN

STRUCTURAL

5D1.6.1	3115-3-X2-S-1	FOUNDATION & FLOOR PLAN
	X2-S-2	ROOF PLAN
	X2-S-3	REINFORCING PLANS
	X2-S-4	TYPICAL SECTIONS
	X2-S-5	FDN. SECTIONS & DETAILS
	X2-S-6	ROOF SECTIONS & DETAILS
	X2-S-7	WALL ELEVATIONS
	X2-S-8	WALL SECTIONS & DETAILS
	X2-S-9	VESTIBULE DETAILS - SHT. 1
	X2-S-10	MISC. DETAILS - SHT. 1
	X2-S-11	MISC. DETAILS - SHT. 2
	X2-S-12	VESTIBULE DETAILS - SHT. 2
	X2-S-13	ESCAPE HATCH & LADDER
	X2-S-14	ELECTRONIC PLATFORM - PLAN & DETAILS

MECHANICAL

5D1.6.1	3115-3-X2-M-1	FLOW DIAGRAM - FUEL OIL
	X2-M-2	FLOW DIAGRAM - WATER & SEWER
	X2-M-3	FLOW DIAGRAM - COMPRESSED AIR
	X2-M-4	FLOW DIAGRAM - COOLING & HOT WATER
	X2-M-5	FLOW DIAGRAM - HEATING & AIR COND.
	X2-M-6	FLOW DIAGRAM - LUBE OIL
	X2-M-7	PIPING PLAN - FLOOR TO ELEV. 107'-0"
	X2-M-8	PIPING PLAN - ABOVE ELEV. 107'-0"
	X2-M-9	PIPING SECTIONS - SHT. 1
	X2-M-10	PIPING SECTIONS - SHT. 2
	X2-M-11	H.V. & A.C. PLAN
	X2-M-12	H.V. & A.C. SECTIONS & DETAILS
	X2-M-13	PLUMBING PLAN
	X2-M-14	PLUMBING SECTIONS & DETAILS
	X2-M-15	H.V. & A.C. EQUIPMENT SCHEDULE
	X2-M-16	AIR INLET & EXHAUST DETAILS
	X2-M-17	PIPE SUPPORT DETAILS SHT. 1
	X2-M-18	PIPE SUPPORT DETAILS SHT. 2
	X2-M-19	PIPE SUPPORT DETAILS SHT. 3
	X2-M-20	PIPING PLAN OUTSIDE OF BUILDING
	X2-M-21	PIPING SECTIONS OUTSIDE OF BUILDING
	X2-M-22	PIPE SUPPORTS FLOOR TO ELEV. 107'-0"
	X2-M-23	PIPE SUPPORTS ABOVE ELEV. 107'-0"
	X2-M-24	PIPE ENCLOSURE AT M.C.C.

ELECTRICAL

5D1.6.1	(2) 3115-3-X2-E-1	ELECT. SINGLE LINE DIAGRAM (D,E,F,G, & H) (I)
	X2-E-2	ELECT. PLAN - POWER
	X2-E-3	ELECT. POWER - SECTIONS & DETAILS SHT. 1
	(2) X2-E-4	ELECT. POWER - SECTIONS & DETAILS SHT. 2 (D,E,F,G & I) (H) △
	(2) X2-E-5	ELECT. SWGR. DETAILS & SCHEDULE (D, [illegible] & H) (I) △
	X2-E-6	ELECT. CONNECTION DIAGRAMS
	(6) X2-E-7	ELECT. PLAN - LIGHTING (D) (E) (F) (G) (I
	X2-E-8	ELECT. PLAN - [illegible]
	X2-E-9	ELECT. PLAN - [illegible] ALARM & TE
	X2-E-10	GENERATOR & DIS[illegible]ONTROL DIAGRAM
	X2-E-11	FAC. REMOTE CONT[illegible]ANEL S
	X2-E-12	FIRE ALARM [illegible]
	△ X2-E-13	FAC. REMOTE CON[illegible]S
	X2-E-14	ELECTRICAL SYMBOLS [illegible]
	X2-E-1*	GENERAL NOTES & [illegible]AT
	X2-E-2*	STANDARD DETA[illegible]OUND
	X2-E-3*	STANDARD DET[illegible]HTING
	△ X2-E-16	TRAY ARRANGE[illegible]

WITH DRAWINGS

SITE

CIVIL

B.M.D. INDEX NO.	A. & E. DWG. NO.	TITLE
COMPLEX D 5D1.6.1	3115-3-D3-C-1	SITE D FEE AND EASEMENT AREAS
	△ D3-C-1A	SITE PLAN — REAL ESTATE
	D3-C-2	
	D3-C-3	LAUNCH OPERATIONS BUILDING - GRADING & PAVING PLAN
	D3-C-4	LAUNCH & SERVICE BUILDING - GRADING & PAVING PLAN
	D3-C-5	ACCESS ROAD PLAN & PROFILE
	D3-C-6	ENTRANCE & UTILITY TUNNELS - PLAN & PROFILE
	D3-C-7	LAUNCH OPERATIONS BUILDING - EARTHWORK CROSS SECTIONS
	D3-C-8	LAUNCH & SERVICE BUILDING - EARTHWORK CROSS SECTIONS
	D3-C-9	RAMP AND ROAD PROFILES AND EARTHWORK CROSS SECTIONS
	D3-C-10	SITE UTILITY DISTRIBUTION - GENERAL PLAN
	D3-C-11	WATER DISTRIBUTION LINES - PLAN AND DETAILS
	D3-C-12	SANITARY SEWER - PLAN AND PROFILE
	D3-C-13	WASTE WATER SEWERS - PLAN AND PROFILE
	D3-C-14	SEWAGE STABILIZATION POND - PLAN & SECTIONS
	D3-C-15	LAUNCH & SERVICE AREA - EXCAVATION PLAN
	D3-C-16	ACCESS ROAD EARTHWORK CROSS SECTIONS
COMPLEX E 5D1.6.1	3115-3-E3-C-1	SITE E FEE AND EASEMENT AREAS
	△ E3-C-2	SITE PLAN — REAL ESTATE
	E3-C-3	LAUNCH OPERATIONS BUILDING - GRADING & PAVING PLAN
	E3-C-4	LAUNCH & SERVICE BUILDING - GRADING & PAVING PLAN
	E3-C-5	SEWAGE STABILIZATION POND - PLAN & SECTIONS
	E3-C-6	ENTRANCE & UTILITY TUNNELS - PLAN & PROFILE
	E3-C-7	LAUNCH OPERATIONS BUILDING - EARTHWORK CROSS SECTIONS
	E3-C-8	LAUNCH & SERVICE BUILDING - EARTHWORK CROSS SECTIONS
	E3-C-9	RAMP AND ROAD PROFILES AND EARTHWORK CROSS SECTIONS
	E3-C-10	SITE UTILITY DISTRIBUTION - GENERAL PLAN
	E3-C-11	WATER DISTRIBUTION LINES - PLAN AND DETAILS
	E3-C-12	SANITARY SEWER - PLAN AND PROFILE
	E3-C-13	WASTE WATER SEWERS - PLAN AND PROFILE
	△ E3-C-14	LAUNCH & SERVICE AREA - EXCAVATION PLAN & SECTIONS
	E3-C-15	ACCESS ROAD - PLAN & PROFILE
COMPLEX F 5D1.6.1	3115-3-F3-C-1	SITE F FEE AND EASEMENT AREAS
	△ F3-C-1A	SITE PLAN — REAL ESTATE
	F3-C-2	
	F3-C-3	LAUNCH OPERATIONS BUILDING - GRADING & PAVING PLAN
	F3-C-4	LAUNCH & SERVICE BUILDING - GRADING & PAVING PLAN
	F3-C-5	ROAD A - PLAN, PROFILE & EARTHWORK CROSS SECTIONS
	F3-C-6	ENTRANCE & UTILITY TUNNELS - PLANS & PROFILES
	F3-C-7	LAUNCH OPERATIONS BUILDING - EARTHWORK CROSS SECTIONS
	F3-C-8	LAUNCH & SERVICE BUILDING - EARTHWORK CROSS SECTIONS
	F3-C-9	RAMP & ROAD PROFILES AND EARTHWORK CROSS SECTIONS
	F3-C-10	SITE UTILITY DISTRIBUTION - GENERAL PLAN
	F3-C-11	WATER DISTRIBUTION LINES - PLAN AND DETAILS
	F3-C-12	SANITARY SEWER - PLAN AND PROFILE
	F3-C-13	WASTE WATER SEWERS - PLAN AND PROFILE
	F3-C-14	SEWAGE STABILIZATION POND - PLAN & SECTIONS
	F3-C-15	ACCESS ROAD - PLAN & PROFILE
	F3-C-16	ACCESS ROAD - PLAN & PROFILE
COMPLEX G 5D1.6.1	3115-3-G3-C-1	SITE G FEE AND EASEMENT AREAS
	△ G3-C-1A	SITE PLAN — REAL ESTATE
	G3-C-2	
	G3-C-3	LAUNCH OPERATIONS BUILDING - GRADING & PAVING PLAN
	G3-C-4	LAUNCH & SERVICE BUILDING - GRADING & PAVING PLAN
	G3-C-5	ACCESS ROAD & ROAD A - PLAN, PROFILE & SECTIONS
	G3-C-6	ENTRANCE & UTILITY TUNNELS - PLAN & PROFILE
	G3-C-7	LAUNCH OPERATIONS BUILDING - EARTHWORK CROSS SECTIONS
	G3-C-8	LAUNCH & SERVICE BUILDING - EARTHWORK CROSS SECTIONS
	G3-C-9	RAMP AND ROAD PROFILES AND EARTHWORK CROSS SECTIONS
	G3-C-10	SITE UTILITY DISTRIBUTION - GENERAL PLAN
	G3-C-11	WATER DISTRIBUTION LINES - PLAN AND DETAILS
	G3-C-12	SANITARY SEWER - PLAN AND PROFILE
	G3-C-13	WASTE WATER SEWERS - PLAN AND PROFILE
	G3-C-14	SEWAGE STABILIZATION POND - PLAN & SECTIONS
	△ G3-C-15	SANITARY SEWER SYSTEM & SERVICE ROAD - AS BUILT DWG.
COMPLEX H 5D1.6.1	3115-3-H3-C-1	SITE H FEE AND EASEMENT AREAS
	△ H3-C-1A	SITE PLAN — REAL ESTATE
	H3-C-2	
	H3-C-3	LAUNCH OPERATIONS BUILDING - GRADING & PAVING PLAN
	H3-C-4	LAUNCH & SERVICE BUILDING - GRADING & PAVING PLAN
	H3-C-5	ROAD A - PLANS, PROFILES AND EARTHWORK CROSS SECTIONS
	H3-C-6	ENTRANCE & UTILITY TUNNELS - PLANS & PROFILES
	H3-C-7	LAUNCH OPERATIONS BUILDING - EARTHWORK CROSS SECTIONS
	H3-C-8	LAUNCH & SERVICE BUILDING - EARTHWORK CROSS SECTIONS
	H3-C-9	RAMP AND ROAD - PROFILES AND EARTHWORK CROSS SECTIONS
	H3-C-10	SITE UTILITY DISTRIBUTION - GENERAL PLAN
	H3-C-11	WATER DISTRIBUTION LINES - PLAN AND PROFILE
	H3-C-12	SANITARY SEWER - PLAN AND PROFILE
	H3-C-13	WASTE WATER SEWERS - PLAN AND PROFILE
	H3-C-14	SEWAGE STABILIZATION POND - PLAN & SECTIONS
	H3-C-15	ACCESS ROAD - PLAN & PROFILE
	H3-C-16	ACCESS ROAD - PLAN & PROFILE

ADDITIONAL DRAWINGS

A. & E. DWG. NO.	TITLE
3115-3-D3-C-2-A	COMPLEX D-AS-BUILT TOPOGRAPHY
3115-3-E3-C-2-A	COMPLEX E-AS-BUILT TOPOGRAPHY
3115-3-F3-C-2-A	COMPLEX F-AS-BUILT TOPOGRAPHY
3115-3-G3-C-2-A	COMPLEX G-AS-BUILT TOPOGRAPHY
3115-3-H3-C-2-A	COMPLEX H-AS-BUILT TOPOGRAPHY
3115-3-I3-C-2-A	COMPLEX I-AS-BUILT TOPOGRAPHY

CIVIL

B.M.D. INDEX NO.	A. & E. DWG. NO.	TITLE
COMPLEX I 5D1.6.1	3115-3-I3-C-1	SITE I FEE AND EASEMENT AREAS
	I3-C-1A	SITE PLAN — REAL ESTATE
	I3-C-2	
	I3-C-3	LAUNCH OPERATIONS BUILDING - GRADING & PAVING PLAN
	I3-C-4	LAUNCH & SERVICE BUILDING - GRADING & PAVING PLAN
	I3-C-5	ACCESS ROAD - PLAN & PROFILE
	I3-C-6	ENTRANCE & UTILITY TUNNELS - PLANS AND PROFILES
	I3-C-7	LAUNCH OPERATIONS BUILDING - EARTHWORK CROSS SECTIONS
	I3-C-8	LAUNCH & SERVICE BUILDING - EARTHWORK CROSS SECTIONS
	I3-C-9	RAMP AND ROAD - PROFILES AND EARTHWORK CROSS SECTIONS
	I3-C-10	SITE UTILITY DISTRIBUTION - GENERAL PLAN
	I3-C-11	WATER DISTRIBUTION LINES - PLAN AND DETAILS
	I3-C-12	SANITARY SEWER - PLAN AND PROFILE
	I3-C-13	WASTE WATER SEWERS - PLAN AND PROFILE
	I3-C-14	SEWAGE STABILIZATION POND - PLAN & SECTIONS
	I3-C-15	ACCESS ROAD EARTHWORK CROSS SECTIONS
COMPLEXES D,E,F,G,H&I 5D1.6.1	3115-3-X3-C-1	DRAINAGE & SANITARY SEWER STRUCTURES - DETAILS
	X3-C-2	SPRAY POND - PLAN & DETAILS
	X3-C-3	WATER STORAGE RESERVOIR TANKS - PIPING PLAN & SECTIONS
	X3-C-4	WATER STORAGE RESERVOIR TANKS - EXCAVATION & BEDDING DETAILS
	X3-C-5	ENTRANCE & UTILITY TUNNELS - SECTIONS & DETAILS
	X3-C-6	ROAD & PAVING DETAILS
	X3-C-7	FEE LINE FENCE AND SECURITY GATE DETAILS
	X3-C-8	SEWAGE STABILIZATION POND DETAILS
	X3-C-9	WASTE WATER DISPOSAL SYSTEM DETAILS
COMPLEXES F,G,H&I 5D1.6.1	3115-3-X3-C-10	LAUNCH OPERATIONS BUILDING - EXCAVATION PLAN & SECTIONS
COMPLEXES F,G,H,&I	X3-C-11	LAUNCH AND SERVICE AREA - EXCAVATION PLAN & SECTIONS
COMPLEXES D,E,F,G,H&I	X3-C-12	COMMUNICATIONS MANHOLE DETAILS
COMPLEXES D,E,F,G,H&I	X3-C-13	SOIL BORING LOG - TABULATION
COMPLEXES D&E	X3-C-14	LAUNCH OPERATIONS BUILDING - EXCAVATION PLAN & SECTIONS

ELECTRICAL

COMPLEX D 5D1.6.1	3115-3-D3-E-1	UNDERGROUND POWER & COMMUNICATIONS - ELECTRICAL PLAN
COMPLEX E	E3-E-1	
COMPLEX F	F3-E-1	
COMPLEX G	G3-E-1	
COMPLEX H	H3-E-1	
COMPLEX I	I3-E-1	
COMPLEXES D,E,F,G,H&I	X3-E-1	UTILITY TUNNELS - ELECT. PLAN & DETAILS
COMPLEXES D,E,F,G,H&I	X3-E-2	SITE MISC. ELECT. SECTIONS & DETAILS - SH.1
COMPLEXES D,E,F,G,H&I	X3-E-3	SITE MISC. ELECT. SECTIONS & DETAILS - SH.2
△ COMPLEXES D,E,F,G,H&I	X3-E-4	MODIFICATIONS FOR SECURITY ENTRAPMENT AREA, FLOODLIGHTINGS
△ COMPLEXES D,E,F,G,H&I	X3-E-5	MODIFICATIONS FOR SECURITY ENTRAPMENT DOOR LATCHES

3115-3-X2-A-1 (DRAWING NO. EXAMPLE)

EXPLANATION:

(1) NO. OF SHEETS

JOB NO	COMPLEX	FACILITY NO.	LAYOUT GROUP	DWG. NO. (1)
3115-3	X	2	A	1
	D, E, F, G, H, I, X ALL COMPLEXES	1-L&S, 2-LOB, 3-SITE	A- ARCH. S- STRUCT. M- MECH. E- ELECT. C- CIVIL	INDEX NO. COMPLEX

* APPLICABLE TO ALL FACILITIES.

REVISION	DATE	DESCRIPTION
△	10-20-64	ADDITIONAL REAL ESTATE
△	3 SEP 64	OPERATIONAL AS BUILT - GENERAL REVISION
2	18-11-61	OPERATIONAL AS BUILT DRAWING - ADDED DRAWINGS
1	5-12-61	[illegible]

BECHTEL CORPORATION
ENGINEERS AND CONSTRUCTORS
SAN FRANCISCO — LOS ANGELES — NEW YORK

DEPARTMENT OF THE AIR FORCE
AIR FORCE BALLISTIC MISSILE DIV.
INGLEWOOD, CALIFORNIA

DESIGNED BY
DRAWN BY
CHECKED BY
O.K.
O.K.
APPROVED

WS-107 A-1 OPERATIONAL
FORBES AFB, KANSAS
COMPLEXES D, E, F, G, H, I
SITE & LAUNCH OPERATIONS
INDEX SHEET

SPECIFICATION NO. ENG-2
DRAWING NO. 3115-3