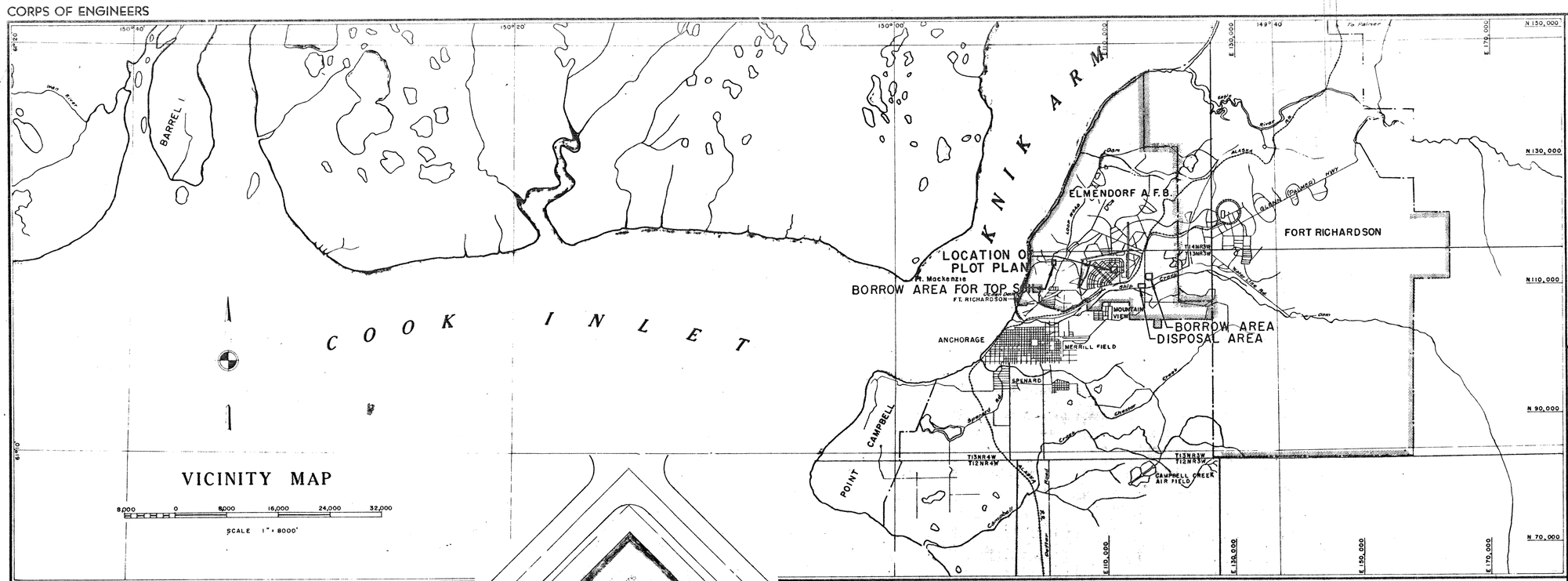
TAB 4

APPENDIX 9

ORIGINAL BUILDING FILE DRAWINGS
HARD COPY NOT ATTACHED – SEE CD-ROM

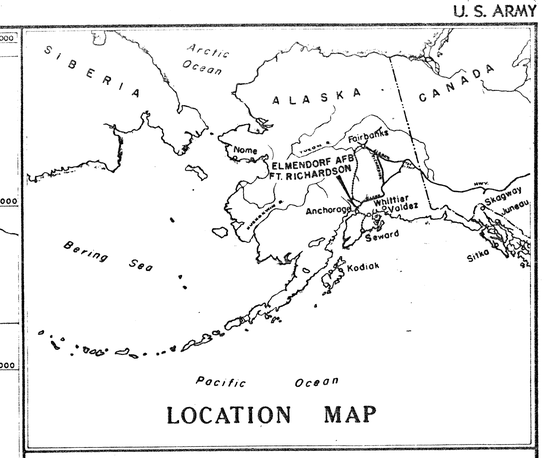
CORPS OF ENGINEERS

U. S. ARMY

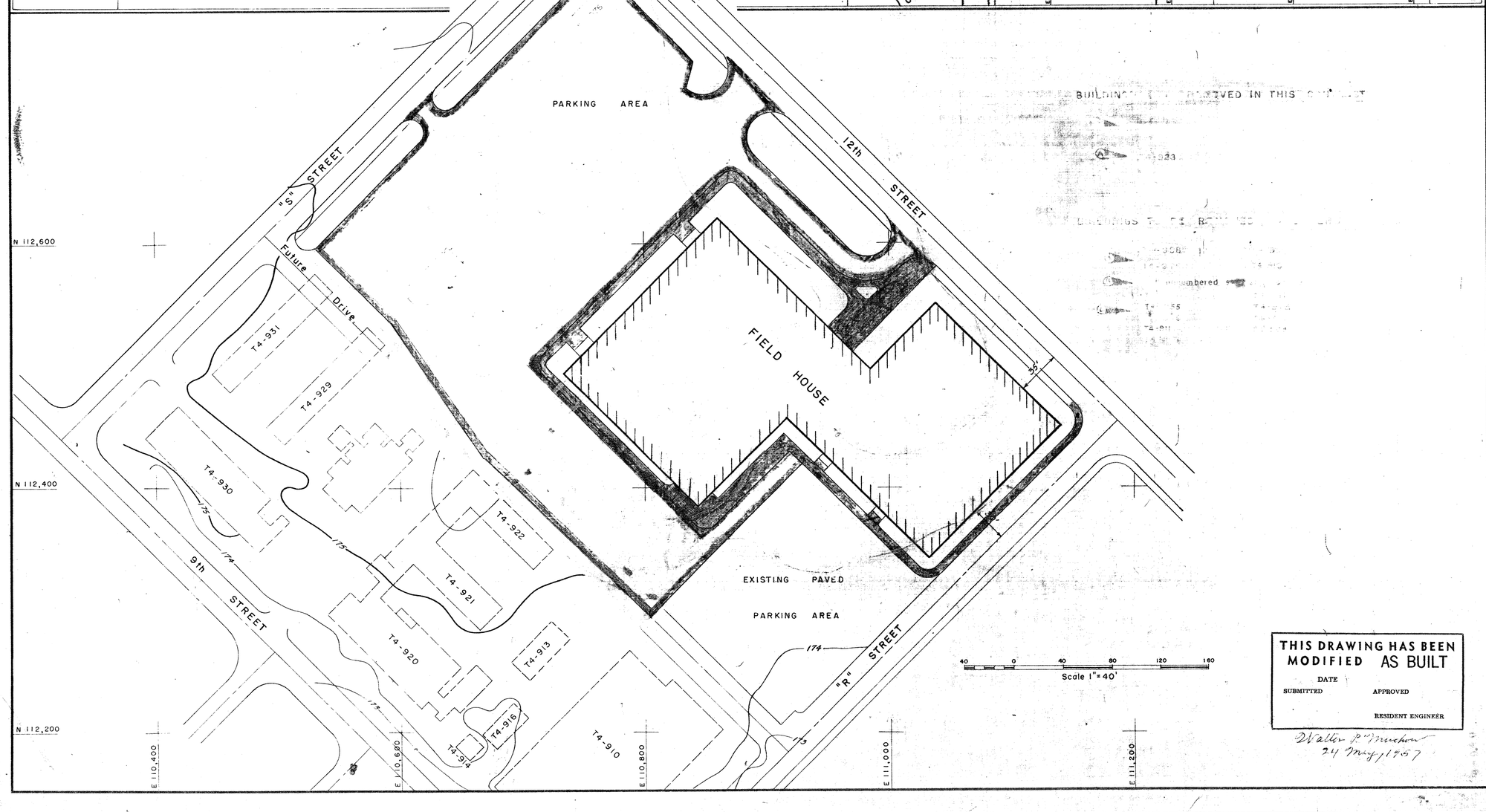


VICINITY MAP

SCALE 1" = 8000'



LOCATION MAP



THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED APPROVED

RESIDENT ENGINEER

Walter P. Muchow
24 May 1957

LEGEND

- Building in this Contract
- Buildings (Existing)
- Existing Streets
- Paving in this Contract
- Existing Sidewalks
- Sidewalks in this Contract

REVISION	DATE	DESCRIPTION	BY
C	6 May '55	Revised disposition of existing buildings.	RBR
B	29 Apr. '55	Revised disposition of existing buildings.	RBR
A	18 Apr. '55	Revised disposition of Bldgs. T4-916 & T4-916.	

ISLANDS ANDERSON-MONTIN-BENSON CONSTRUCTION CONTRACTORS SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS OFFICE OF THE DISTRICT ENGINEER ALASKA DISTRICT ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA

FIELD HOUSE

PLOT PLAN & VICINITY MAP

RECOMMENDED: A. R. Thomson PRIME CONTRACTOR

APPROVED: J. H. Mason Coffee RESIDENT ENGINEER

DATE 6/7/57

APPROVED:

DATE

SCALE As Shown

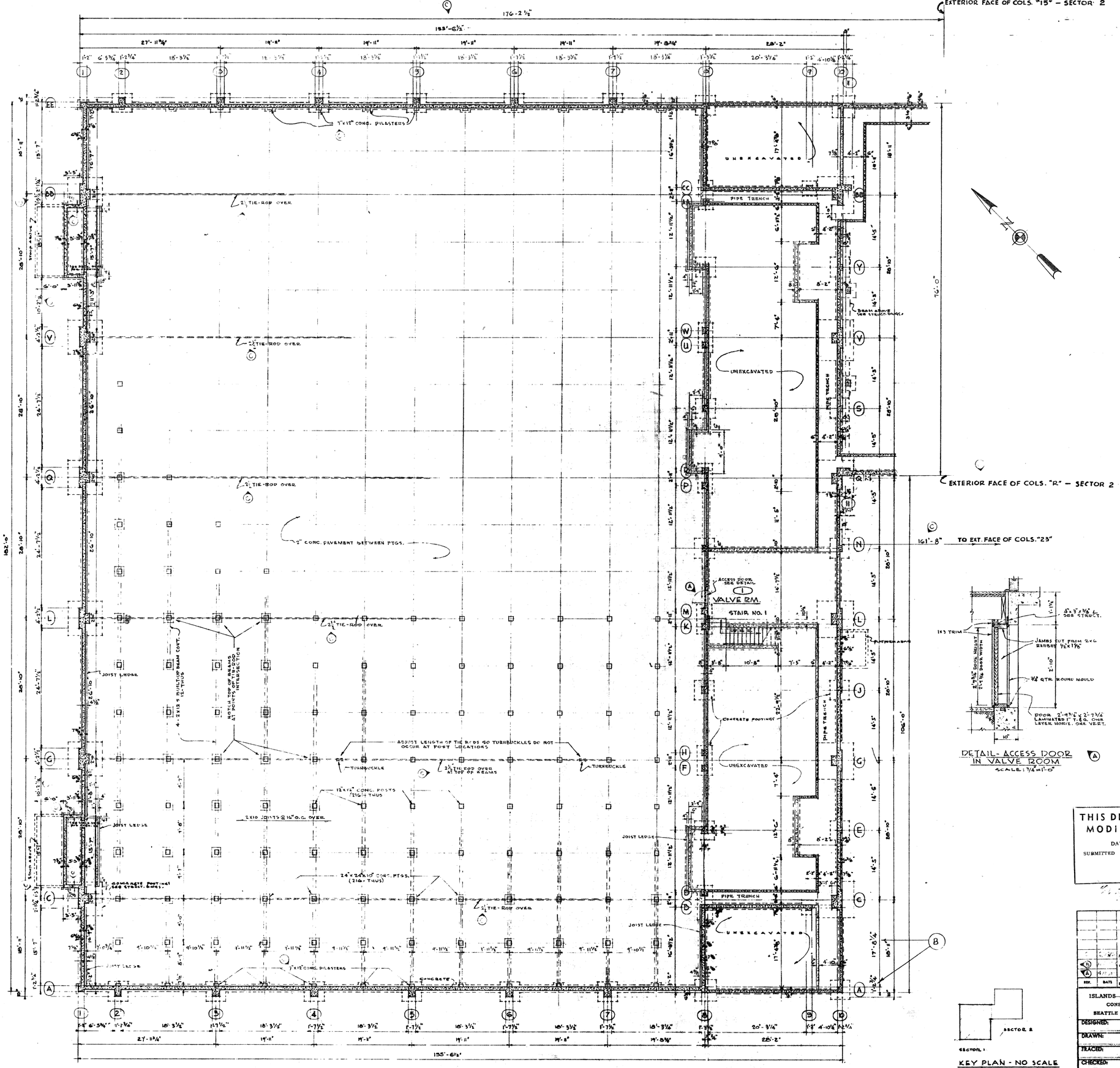
SPEC. NO.

DRAWING NUMBER AF-16-06-733

SHEET 1 OF 1

Add #4

SER. NO. ENG. 95-507-55-52



BASEMENT PLAN - SECTOR 1

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

DETAIL - ACCESS DOOR IN VALVE ROOM

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

KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED APPROVED

RESIDENT ENGINEER

REV.	DATE	B.C. AND I.D.	ACTION	DESCRIPTION	BY	APP.
				CHANGED DIMENSIONS – CORRECTIONS		
B				REVISE DIMENSIONS AT COLUMN A-10		
A				ACCESS TO CRAWL SPACE UNDER GYMNASIUM RELOCATED; DETAIL ADDED		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

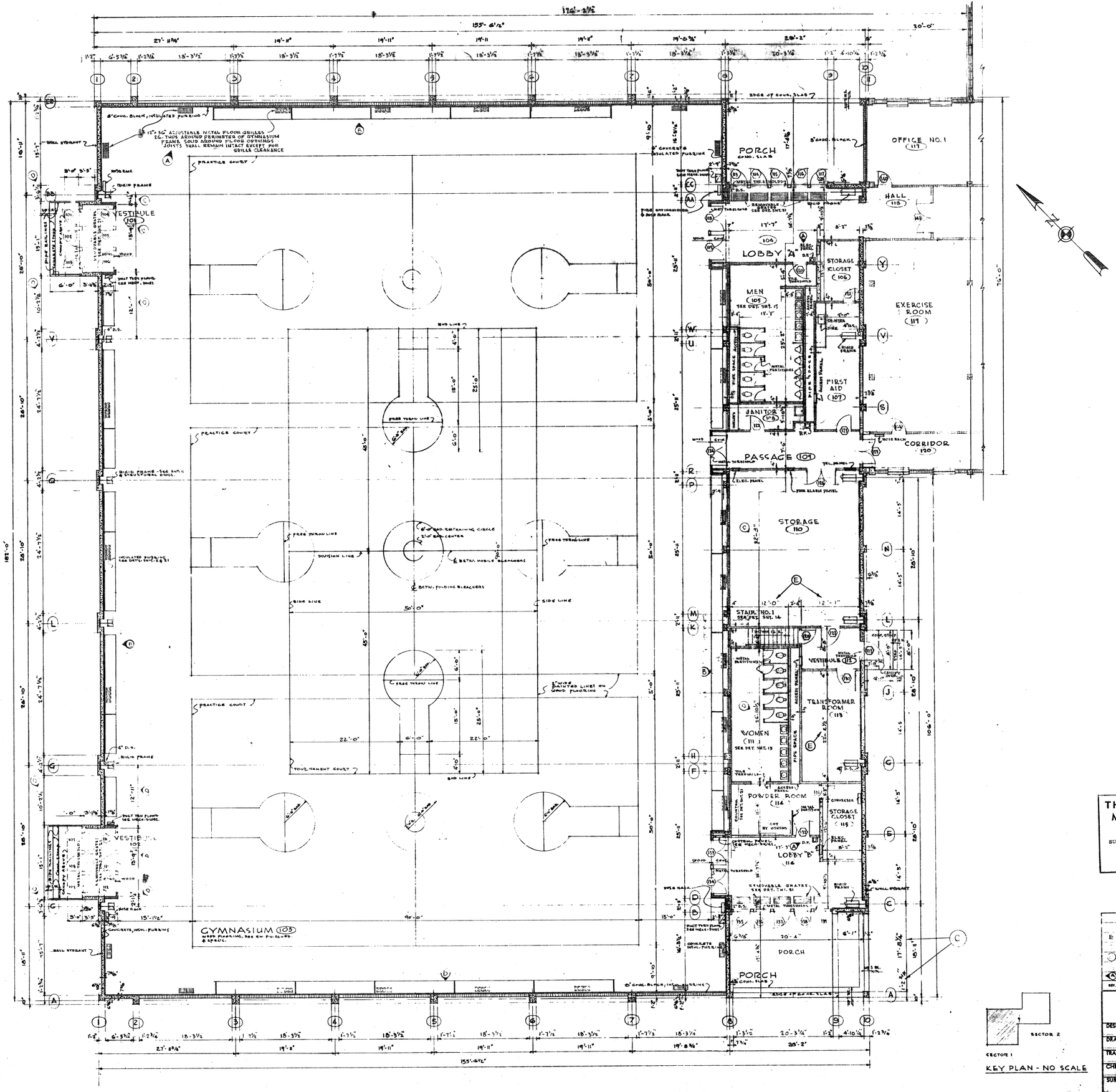
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR I
BASEMENT PLAN

RECOMMENDED: A.L. Thompson, PROJECT CONTRACTOR'S
APPROVED: H. Wm. Otto, RESIDENT ENGINEER
DATE

APPROVED
DATE

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-0.8
SHEET OF

SERIAL NO. ENG. 95-507-55-5



GROUND FLOOR PLAN ~ SECTOR I

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

KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED

APPROVED:

RESIDENT ENGINEER

REV.	DATE	ENG. NO.	ACTION	DESCRIPTION
E	1 Jun 56	9 Suppl 2	23 Dec 1955	REVISED DIMENSIONS
	7/23/56	9 Suppl 4	26 Mar 52	CHANGE DIMENSIONS CORRECTIONS
	10/21/55	9 Suppl 1	26 Mar 52	REVISE DIMENSIONS AT COLUMN A 10
	9/4/55			Install Dimension Tolerance Standard Detail
A	1/10/55			FLOOR GRILLES SHOWN IN GYMNASIUM, DRINKING FOUNTAINS & BOOKS NOS. 120 & 132 IN LOBBYS "A" & "B" RELOCATED

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR I
GROUND FLOOR PLAN

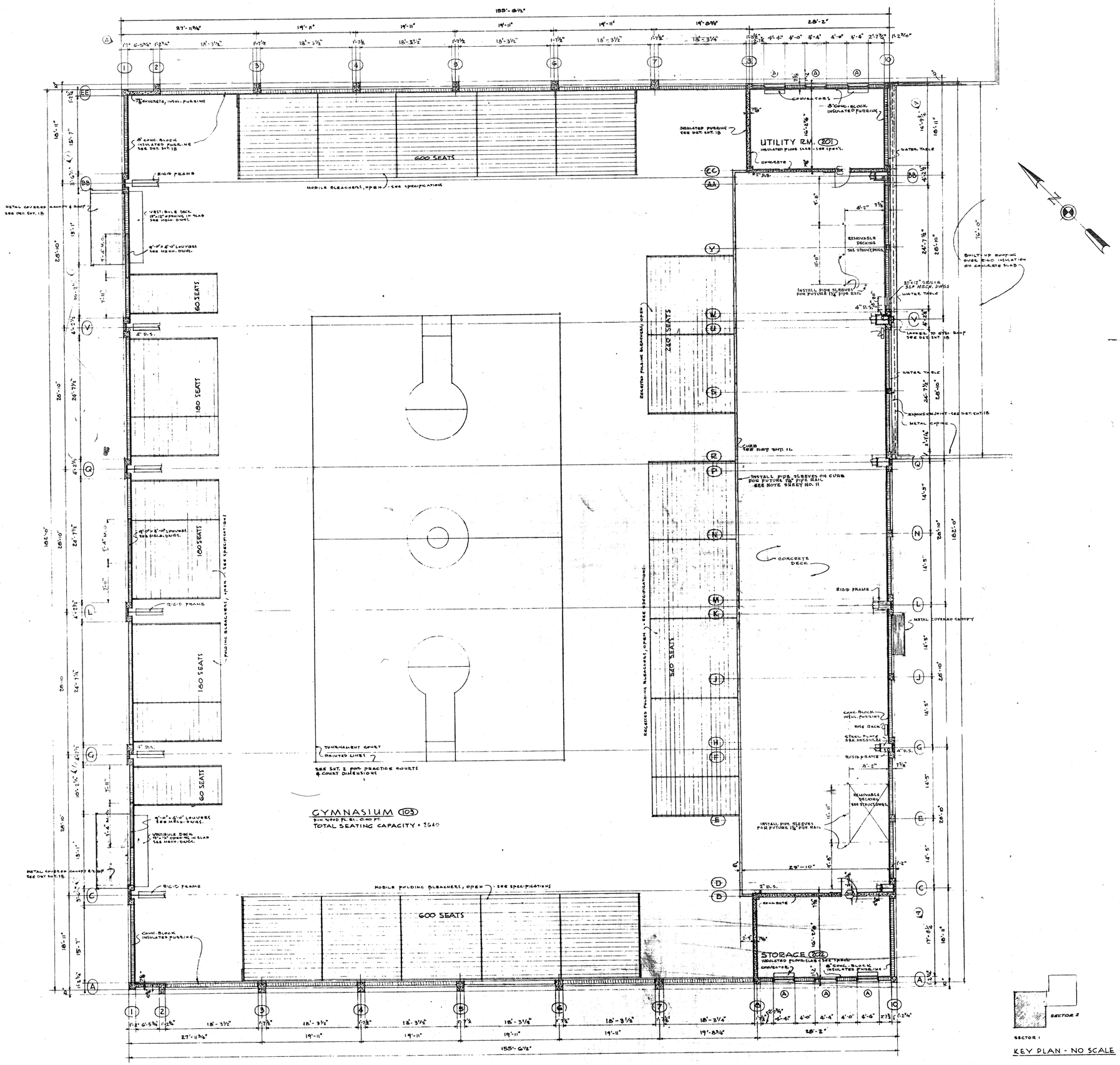
RECOMMENDED: [signature] PRINCIPAL DESIGN ENGR.
APPROVED: [signature] PRINCIPAL DESIGN ENGR.
DATE

APPROVED

DATE

SCALE 1/8"=1'-0"
SPEC. NO.
DRAWING NUMBER AF-31-13-06
SHEET 2 OF 47

SERIAL NO. ENG. 95-507-55-52



SECOND FLOOR PLAN ~ SECTOR 1

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

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED APPROVED

RESIDENT ENGINEER

Blake R. Muckler
May 1957

REV.	DATE	ENG. NO.	ACTION	DESCRIPTION
				AS BUILT CORRECTIONS
				Elev. of Seats in Volleyball Ct. Area Lowered 10.5" Per Bldg. Addendum No 7-13 May 1955

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

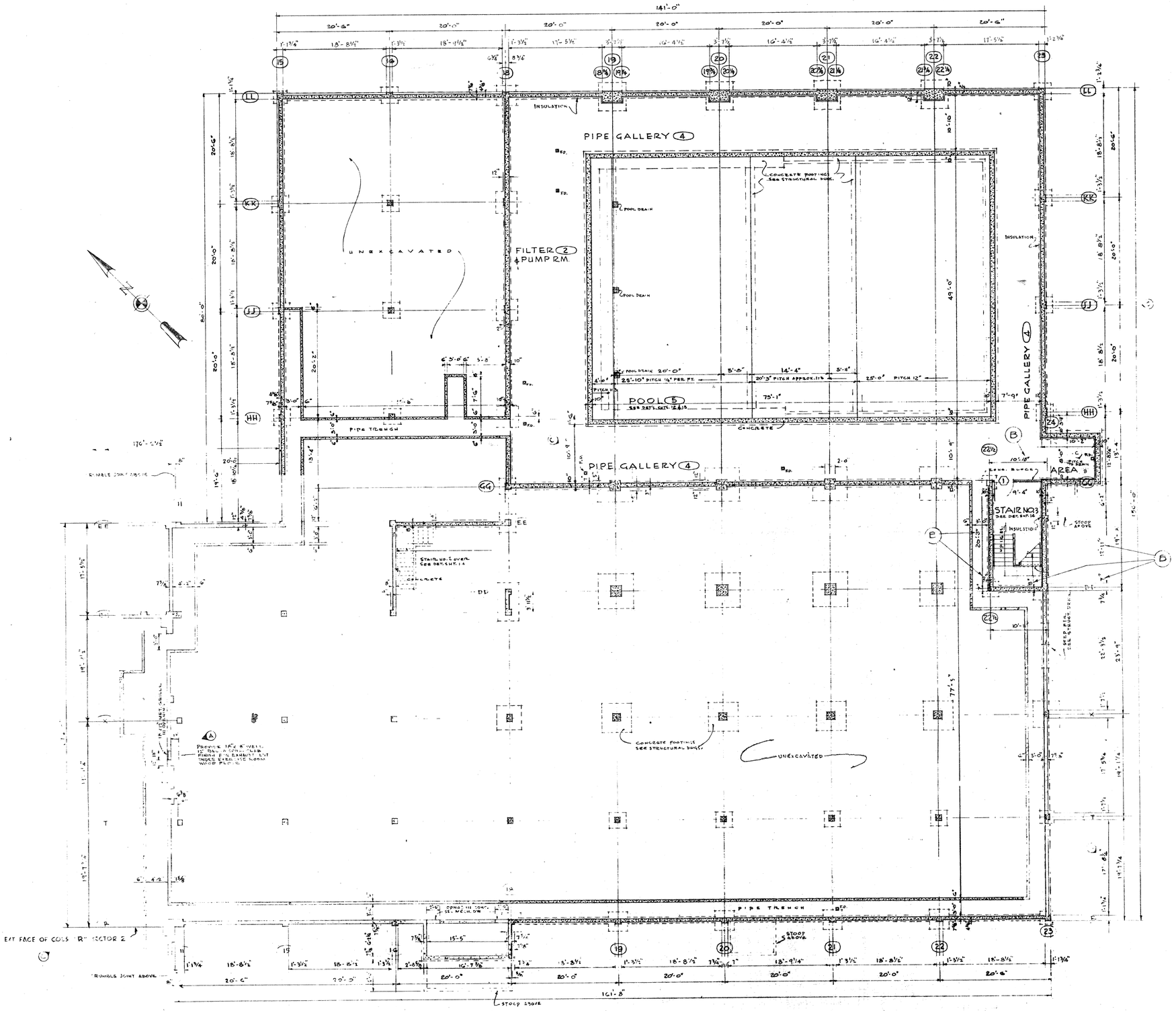
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PROJECT CONSTRUCTION ENGINEER
APPROVED: RESIDENT ENGINEER
APPROVED
DATE

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR 1
SECOND FLOOR PLAN

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-06
SHEET 3 OF 47

SERIAL NO. ENG. 95-507-55-52



BASEMENT PLAN - SECTOR 2

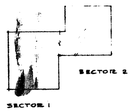
SCALE: 1/8" = 1'-0"

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED APPROVED

RESIDENT ENGINEER



KEY PLAN - NO SCALE

NO.	DATE	ENG NO.	ACTION	DESCRIPTION	BY	APPD
3				LEFT EXTENSIONS, CORRECTIONS	WOLF	
2	8/1/55			REVISE DEMENSIONS AT STAIRS NO. 3	DAH	
1				EXHAUST DUCT & GRILLE UNDER EXECUTIVE ROOM SHOWN	DAH	

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

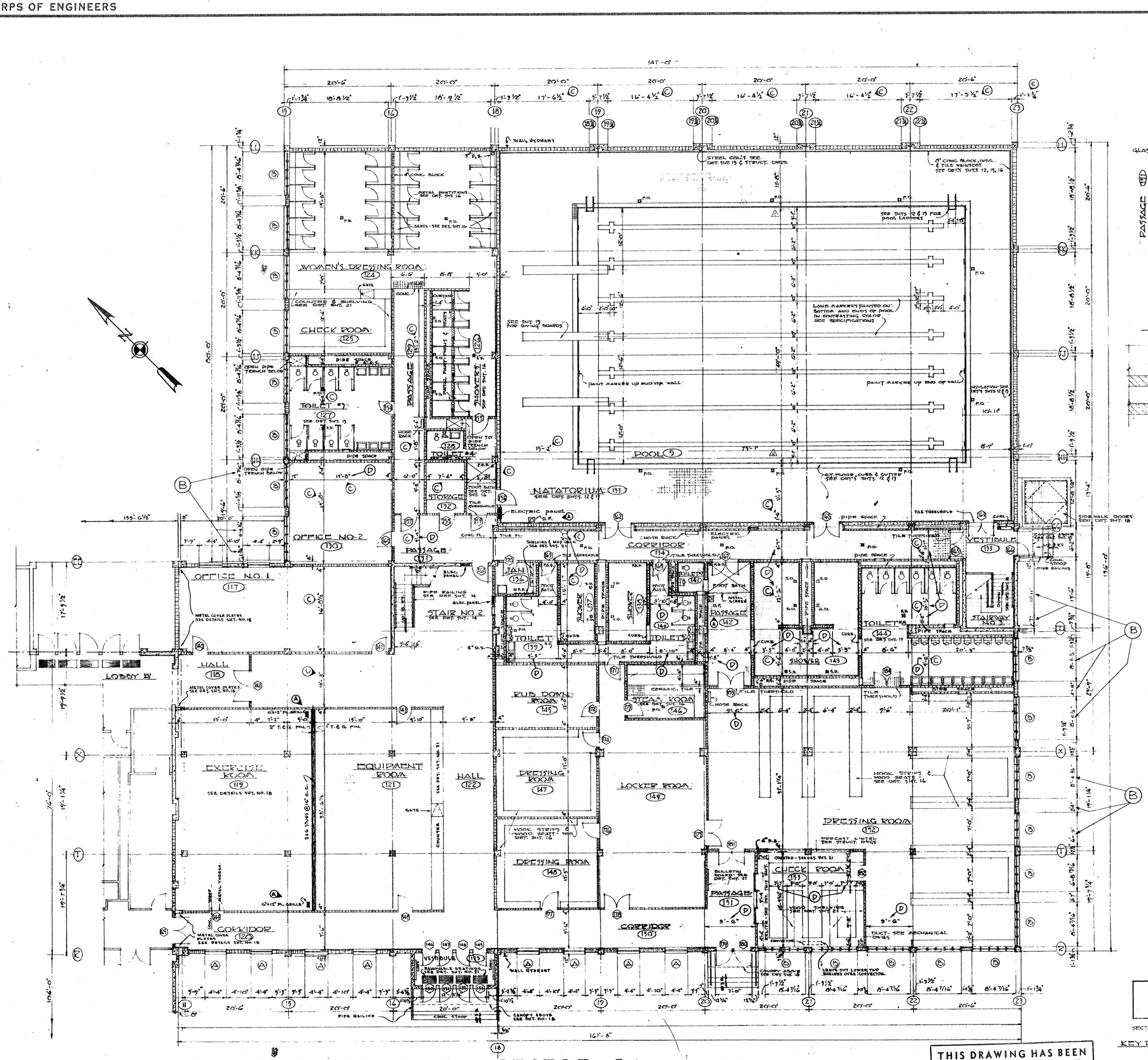
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE 6/1/54
APPROVED
DATE

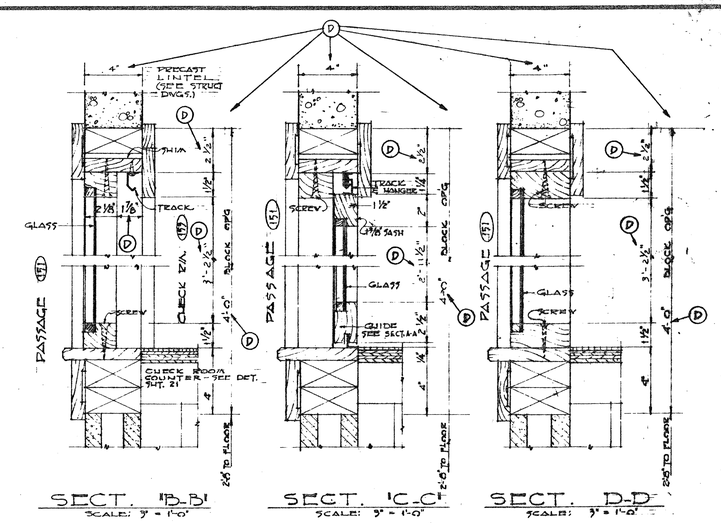
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR 2
BASEMENT PLAN

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 4 OF 47

SERIAL NO. ENG. 95-507



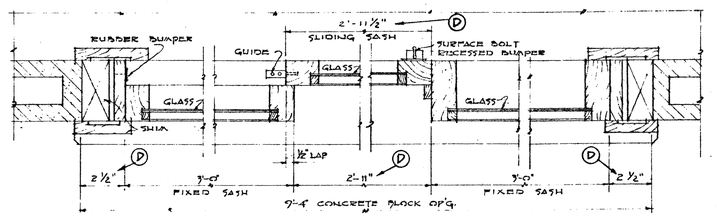
GROUND FLOOR PLAN - SECTOR 2
SCALE: 1/8" = 1'-0"



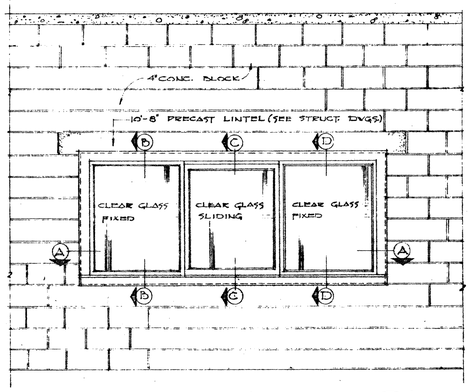
SECT. "B-B"
SCALE: 3" = 1'-0"

SECT. "C-C"
SCALE: 3" = 1'-0"

SECT. "D-D"
SCALE: 3" = 1'-0"

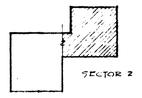


SECTION "A-A"
SCALE: 3" = 1'-0"



ELEVATION (PASSAGE (151))
SCALE: 1/2" = 1'-0"

DELITE DETAILS



KEY PLAN - NO SCALE

REV.	DATE	S.O. ENG. NO.	ACTION	DESCRIPTION	BY	APPD.
E	25-4-55			ADDED GUARD STANS AND TILE FOOT. ADJUSTERS		
D	13JUN54	9 Suppl. 2	23DEC 1955	REV. DIMS. & ADDED DIMS.	G.M.S.	
C	2/23/54	9 Suppl. 1	26 Mar 54	CHANGED DIMENSIONS, CORRECTIONS	W.O.C.	
B	10/27/53	9 Suppl. 1	26 Mar 54	REVISED DIMENSIONS AT STAIR NO. 3 AND AT M.O. FOR TYPE "B" WINDOWS AS SHOWN	D.A.M.	
A	4/14/53			FLOOR GRILLES SHOWN IN EXERCISE ROOM, SURFACE MOUNTED DRINK FOUNTS SHOWN IN LIEU OF RECESSED TYPE	D.A.M.	

ISLANDS - ANDERSON - MONTIN - BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR 2
GROUND FLOOR PLAN

RECOMMENDED: K. Burnham, PRIME CONTRACTOR
APPROVED: [signature], RESIDENT ENGINEER
DATE: 24 May 1957

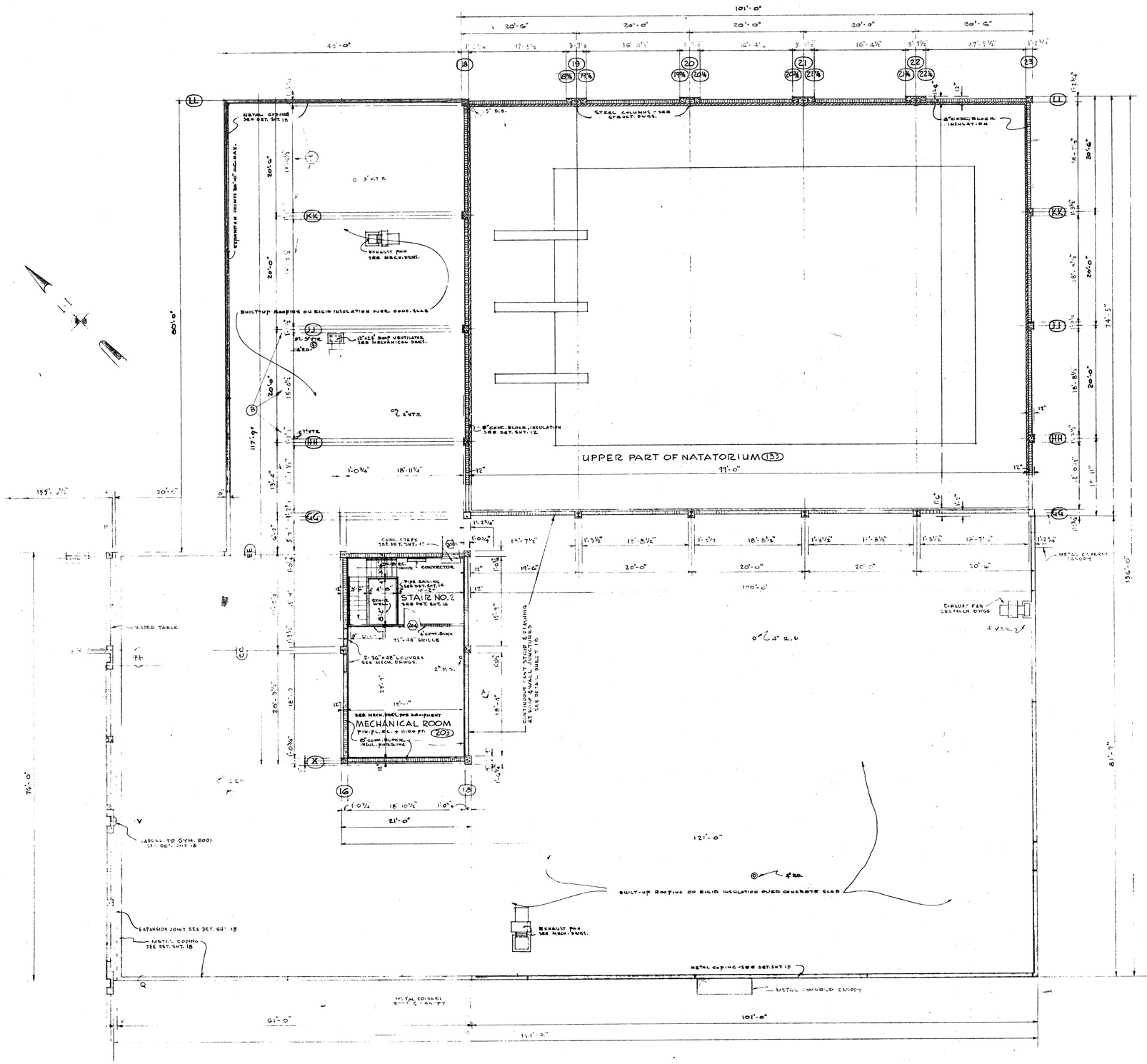
APPROVED
DATE

SCALE: AS NOTED
SPEC. NO.
DRAWING NUMBER AF-31-13-09
SHEET 5 OF 47

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

Walter R. Truchon
24 May 1957

SERIAL NO. ENG. 95-507-55-52



SECOND FLOOR PLAN ~ SECTOR 2

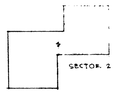
SCALE: 1/8" = 1'-0"

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED APPROVED

RESIDENT ENGINEER



KEY PLAN - NO SCALE

REV	DATE	E.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D
1	1/11/62				GMW	
2	4/4/62					LD

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

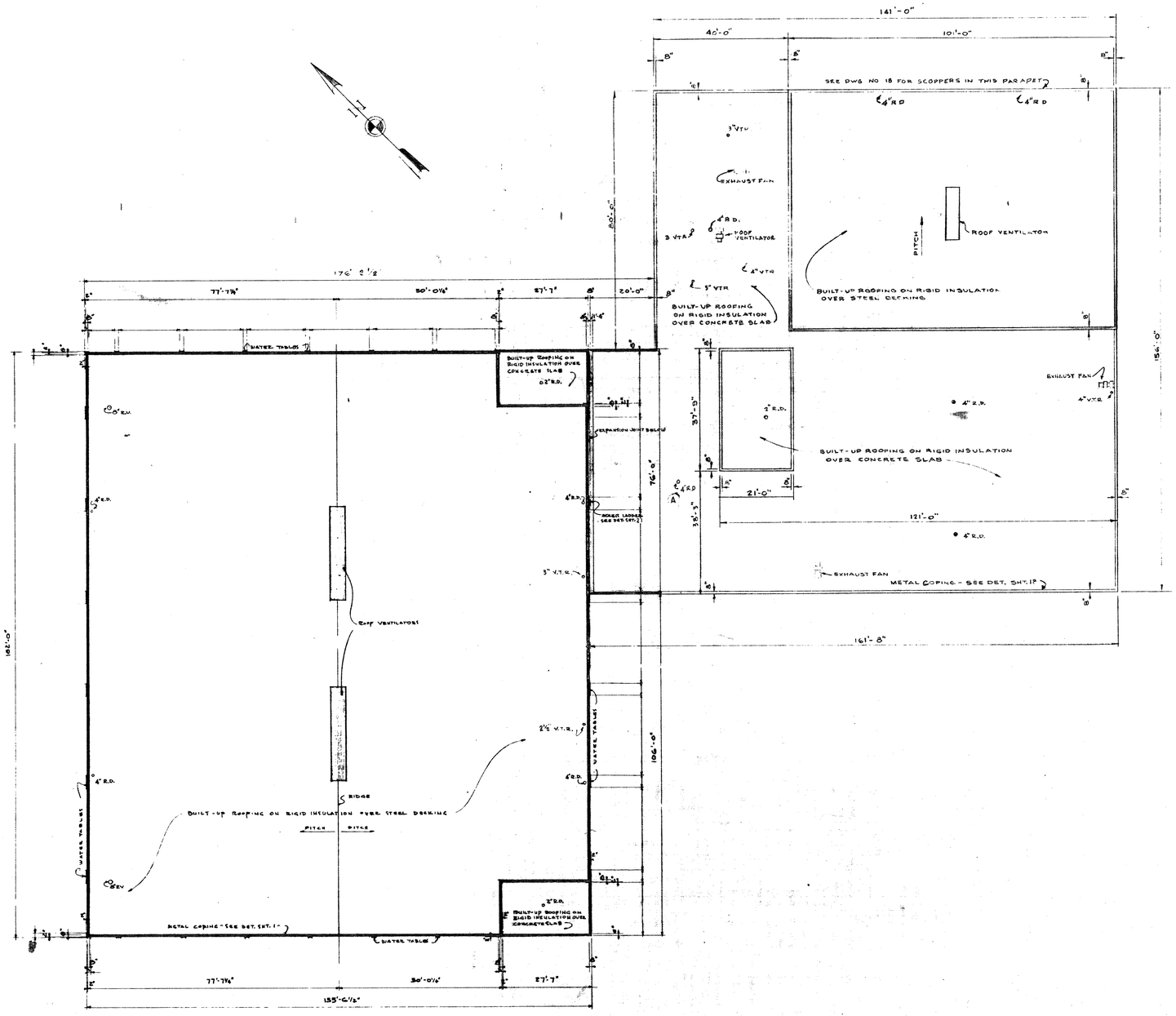
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE 6/4/62
APPROVED
DATE

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR 2
SECOND FLOOR PLAN

SCALE
SPEC. NO.
DRAWING NUMBER
AF-31-13-08
SHEET 6 OF 47

SERIAL NO. ENG. 95-507-



ROOF PLAN, SECTORS 1 & 2

SCALE = 1/16" = 1'-0"

SEE MECHANICAL DRAWINGS & SPECIFICATIONS FOR ALL MECHANICAL EQUIPMENT SHOWN ON THIS PLAN - VERIFY LOCATIONS & SIZES.

SEE ARCHITECTURAL DRAWINGS & SPECIFICATIONS FOR ROOFING & SHEET METAL.

SECTOR 1

KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED. APPROVED

RESIDENT ENGINEER

REV.	DATE	A.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D
A	1/1			ADDED COOK DRAIN		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

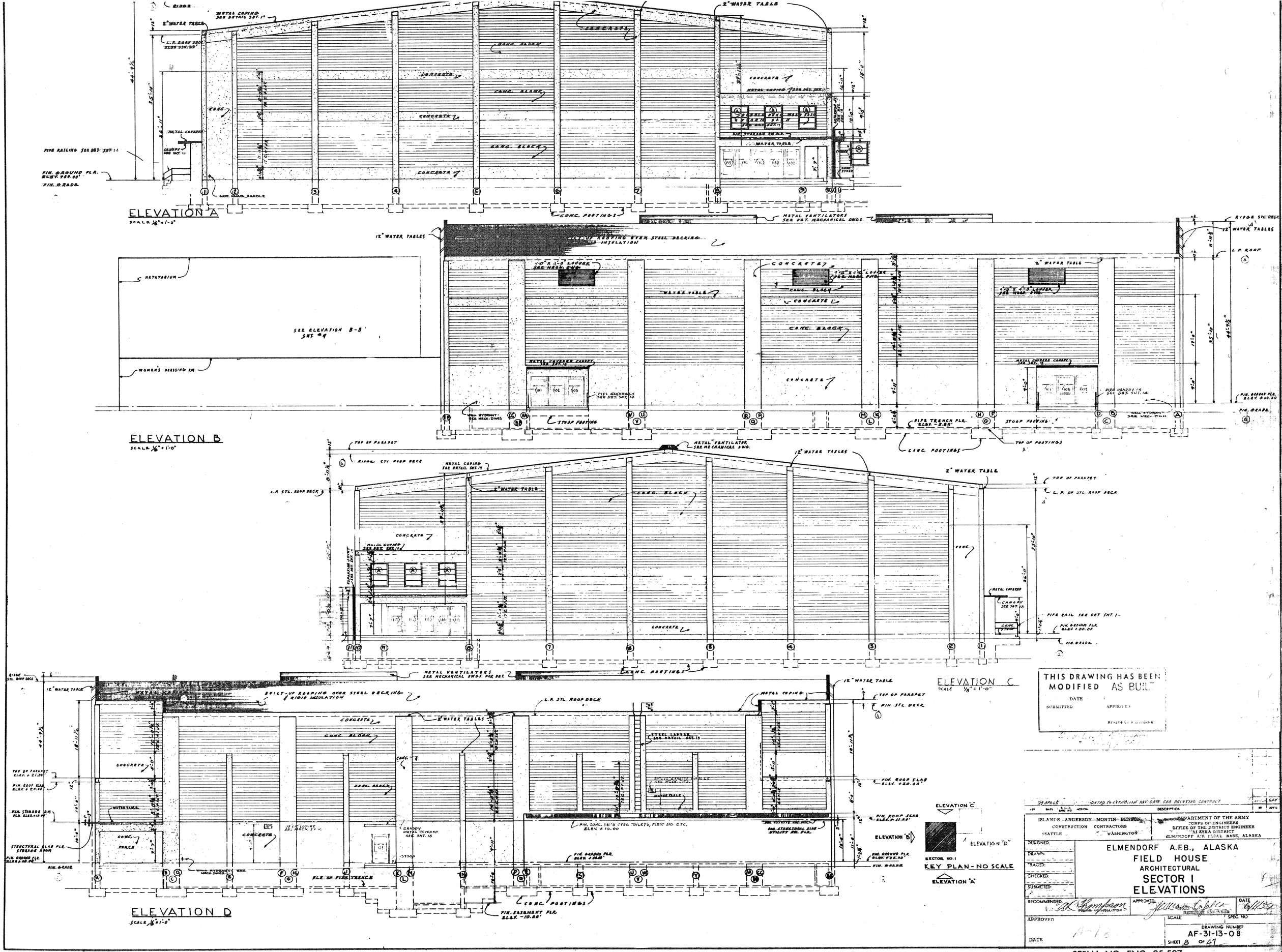
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR 1 & 2
ROOF PLAN

RECOMMENDED: A.E. Thompson, PRIME CONTRACTOR
APPROVED: J. Mason Coffee, RESIDENT ENGINEER
DATE 6/14/57

APPROVED
DATE

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 7 OF 47

SERIAL NO. ENG. 95-507-55-52



THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE
SUBMITTED APPROVED
RESIDENT ENGINEER

29 APRIL	DATED 7th ESTABLISHING REV. DATE FOR BIDDING CONTRACT		
SYM	DATE	S.O.R. SPEC NO	ACTION	DESCRIPTION

ISLANDS-ANDERSON-MONTIN-BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

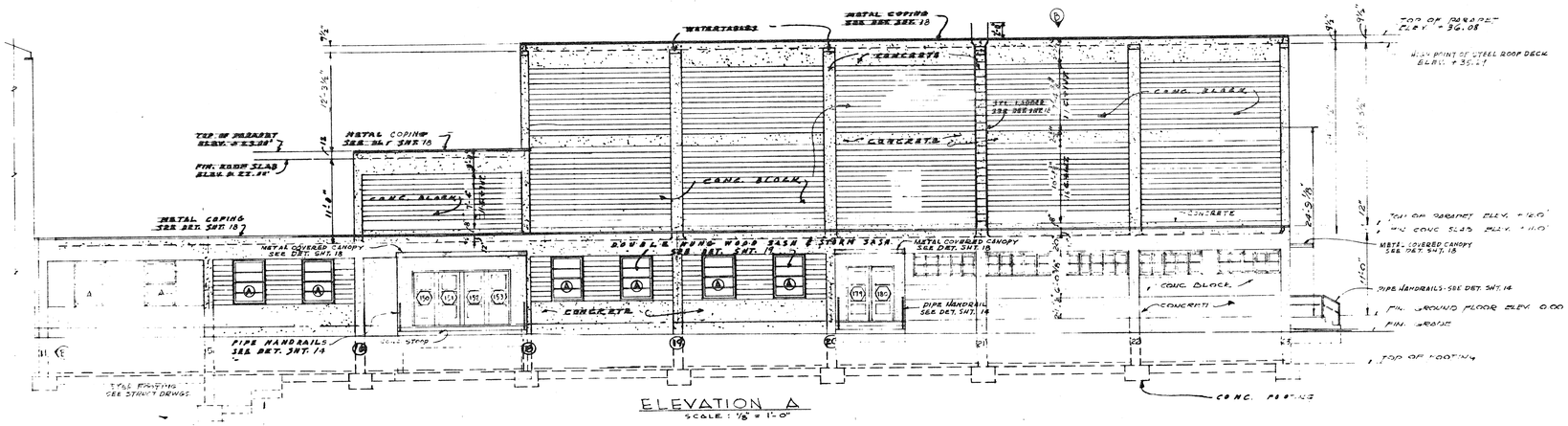
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: R. K. Thompson, PRIME CONTRACTOR
APPROVED: William Tabler, RESIDENT ENGINEER
DATE 6/11/59

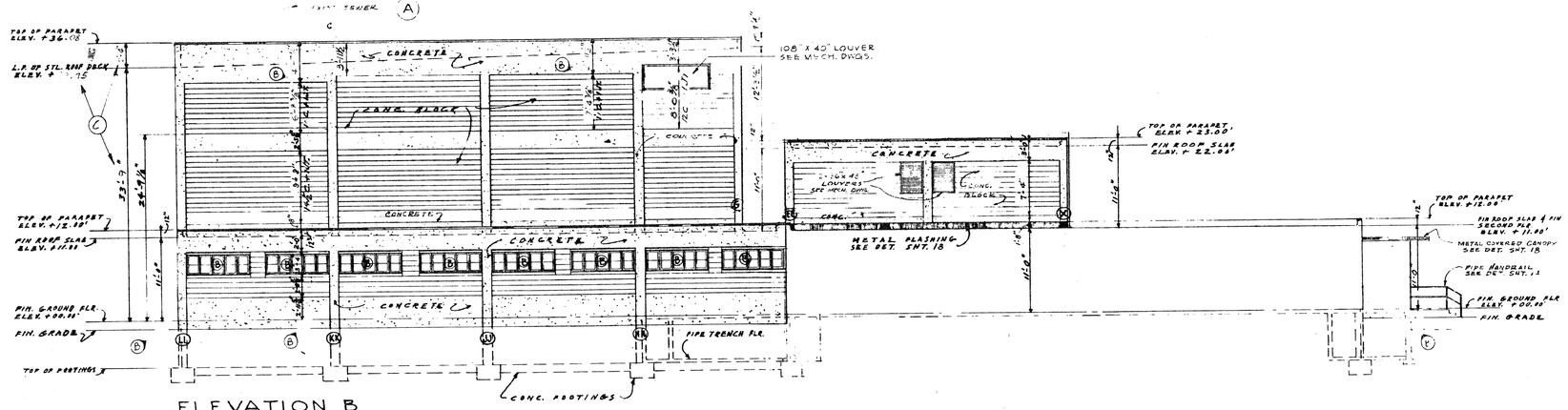
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR I ELEVATIONS

APPROVED
DATE
SCALE
SPEC. NO
DRAWING NUMBER AF-31-13-08
SHEET 8 OF 47

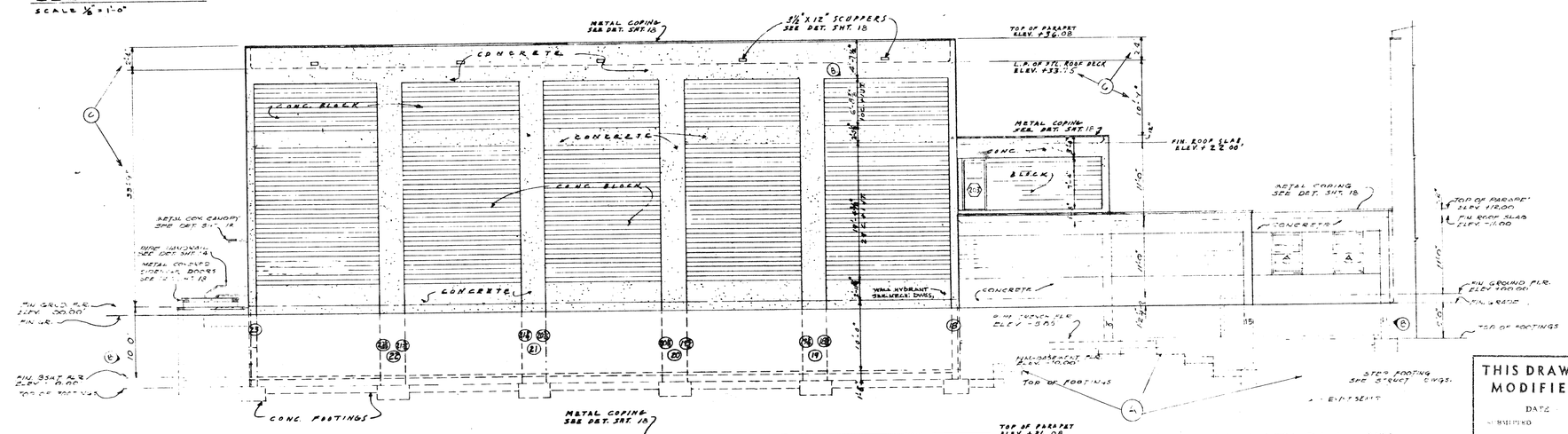
SERIAL NO. ENG. 95-507-



ELEVATION A
SCALE: 1/8" = 1'-0"



ELEVATION B
SCALE 1/8" = 1'-0"



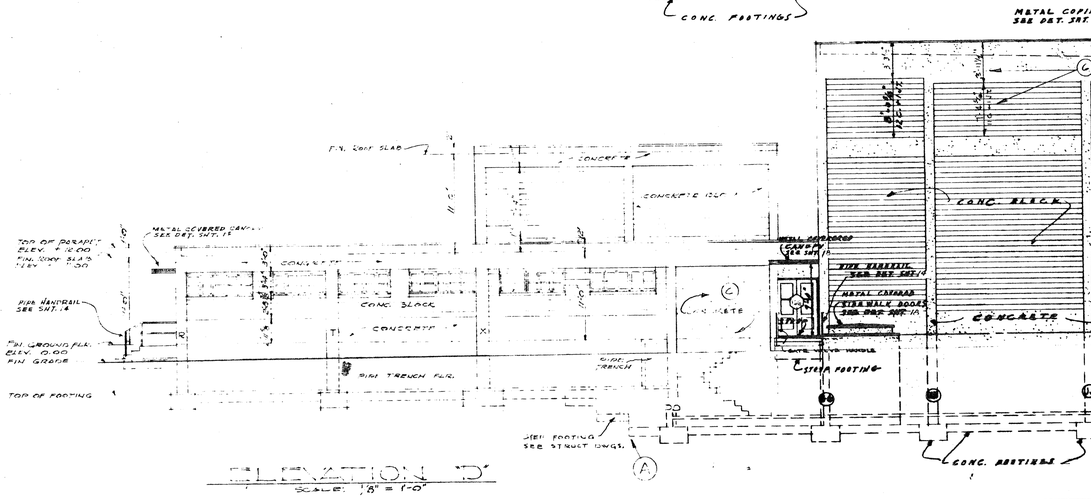
ELEVATION "C"
SCALE: 1/8" = 1'-0"

THIS DRAWING HAS BEEN MODIFIED AS BUILT

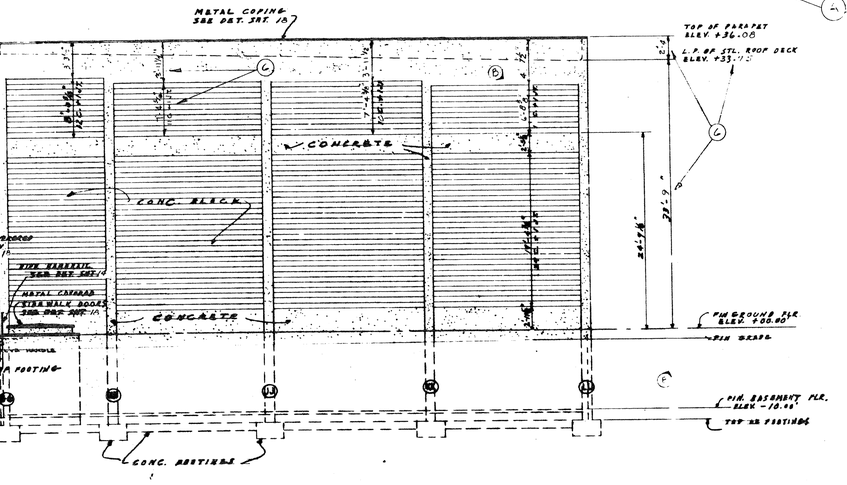
DATE

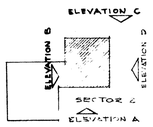
SUBMITTED APPROVED

RESIDENT ENGINEER



ELEVATION "D"
SCALE: 1/8" = 1'-0"





SECTOR NO. 1

KEY PLAN - NO SCALE

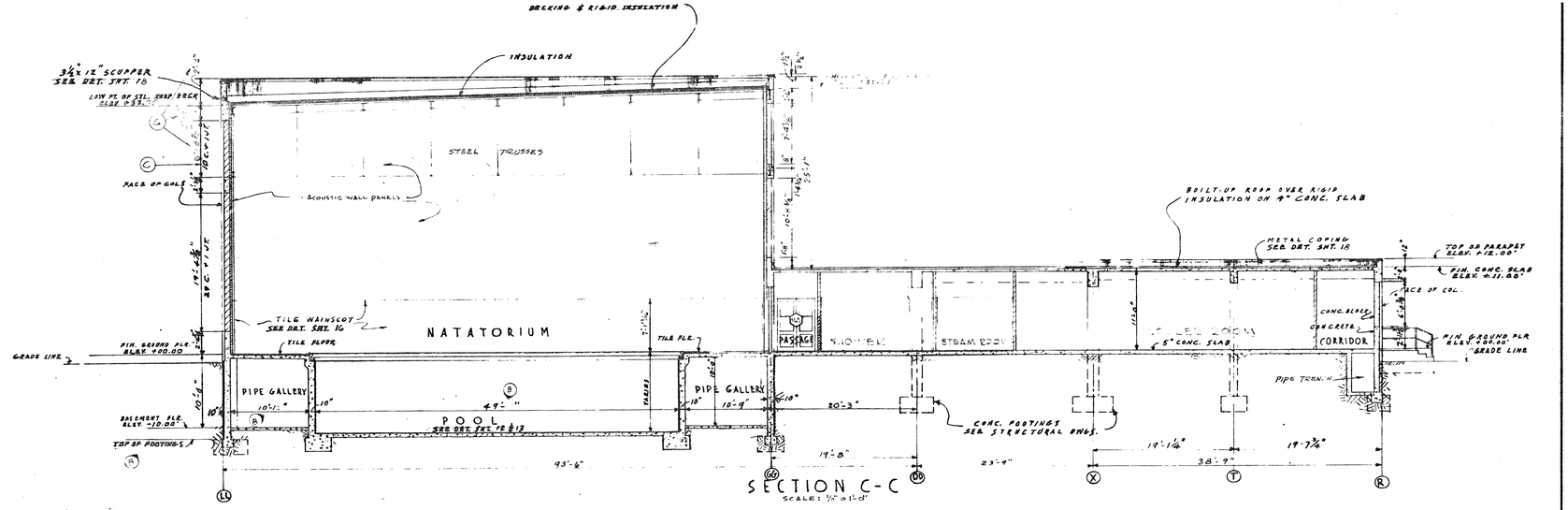
ISLANDS—ANDERSON—MONTIN—BENSON CONSTRUCTION CONTRACTORS SEATTLE WASHINGTON	DEPARTMENT OF THE ARMY CORPS OF ENGINEERS OFFICE OF THE DISTRICT ENGINEER ALASKA DISTRICT ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE 6/15/62
APPROVED
DATE

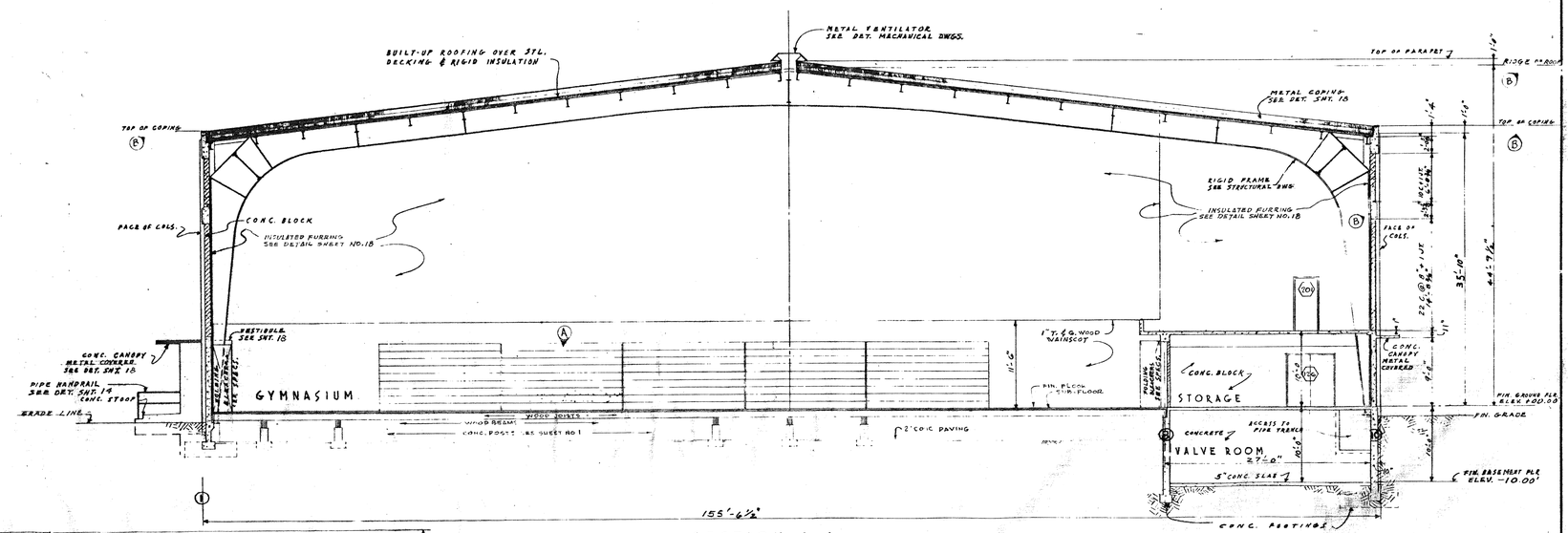
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTOR 2
ELEVATIONS

SCALE SPEC NO
DRAWING NUMBER AF-31-13-08
SHEET 9 OF 4

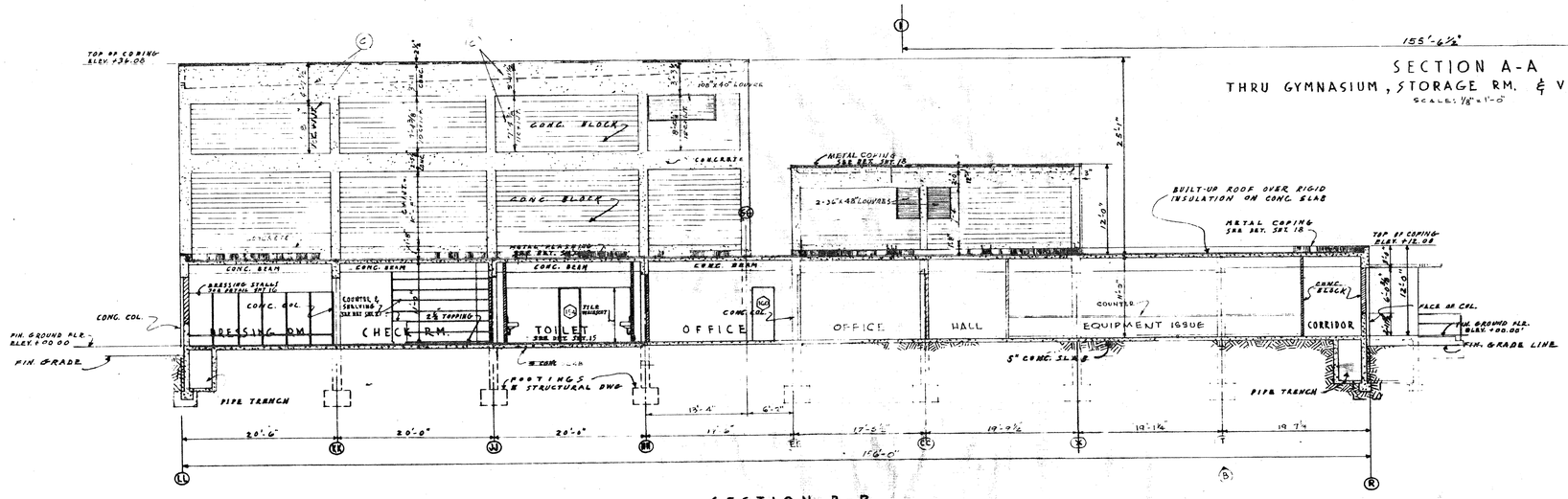
SERIAL NO. ENG. 95-507-55-52



SECTION C-C
SCALE: ¼" = 1'-0"

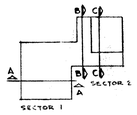


SECTION A-A
THRU GYMNASIUM, STORAGE RM. & VALVE RM.
SCALE: 1/8" = 1'-0"



SECTION B-B
SCALE: 1/8" = 1'-0"

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER



KEY PLAN - NO SCALE

C	100456	23	REV DIMS
B	9/5/56	26	MISC CORRECTION OF DIMENSIONS
A	3/1/56		Incorporate Addendum #1

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

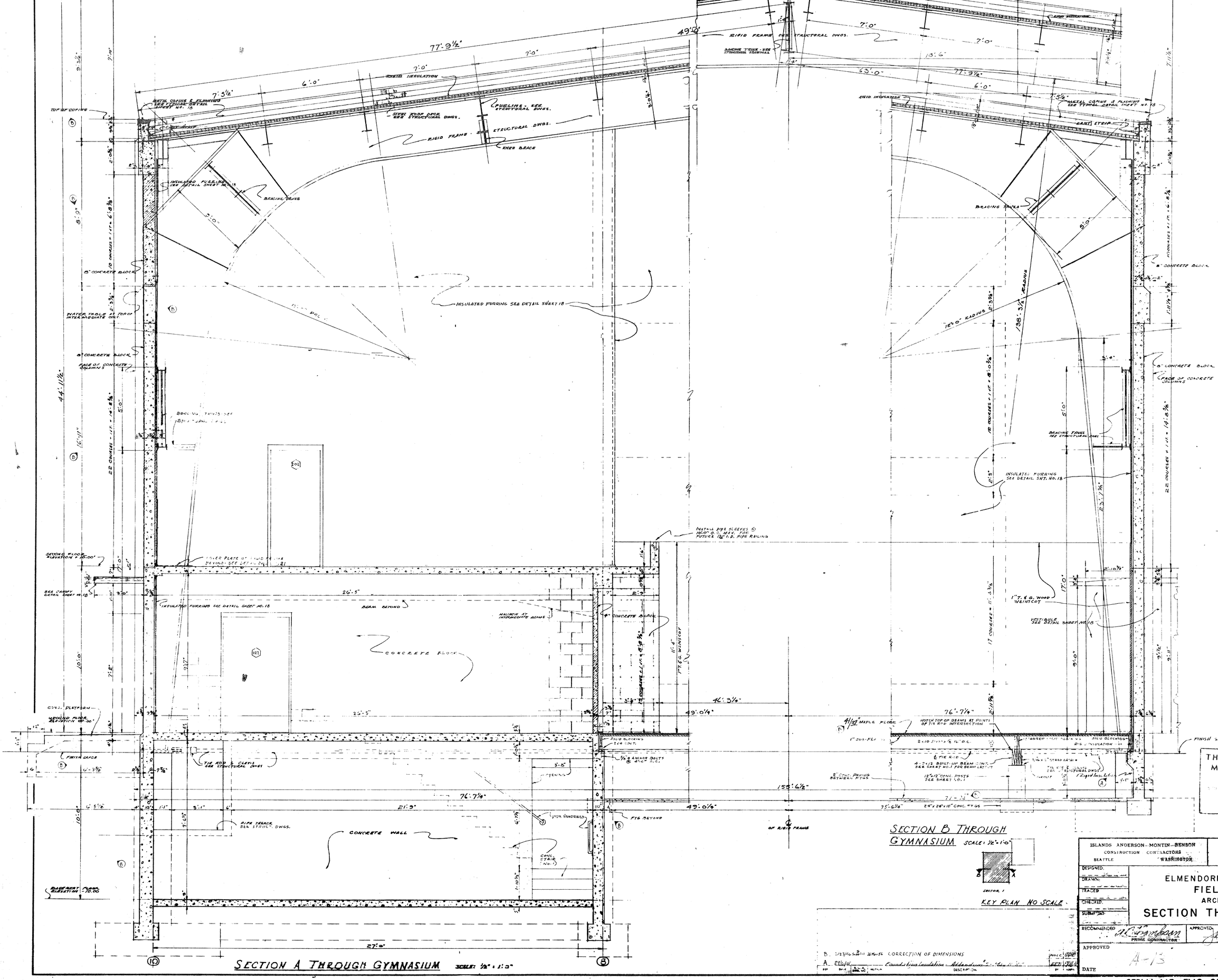
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED
DRAWN
TRACED
CHECKED
SUBMITTED
RECOMMENDED — PRIME CONTRACTOR
APPROVED — RESIDENT ENGINEER
DATE
APPROVED
DATE

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTIONS

SCALE
SPEC NO
DRAWING NUMBER AF-31-13-08
SHEET 10 OF 47

SERIAL NO. ENG. 95-507-55-52



SECTION A THROUGH GYMNASIUM SCALE: ½" = 1'-0"

SECTION B THROUGH GYMNASIUM SCALE: ½" = 1'-0"

KEY PLAN NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED APPROVED

RESIDENT ENGINEER

B. 2/23/56 CORRECTION OF DIMENSIONS

A. 2/16/55 Foundation Insulation Addendum

ISLANDS ANDERSON-MONTIN-BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED
DRAWN
TRACED
CHECKED
SUBMITTED

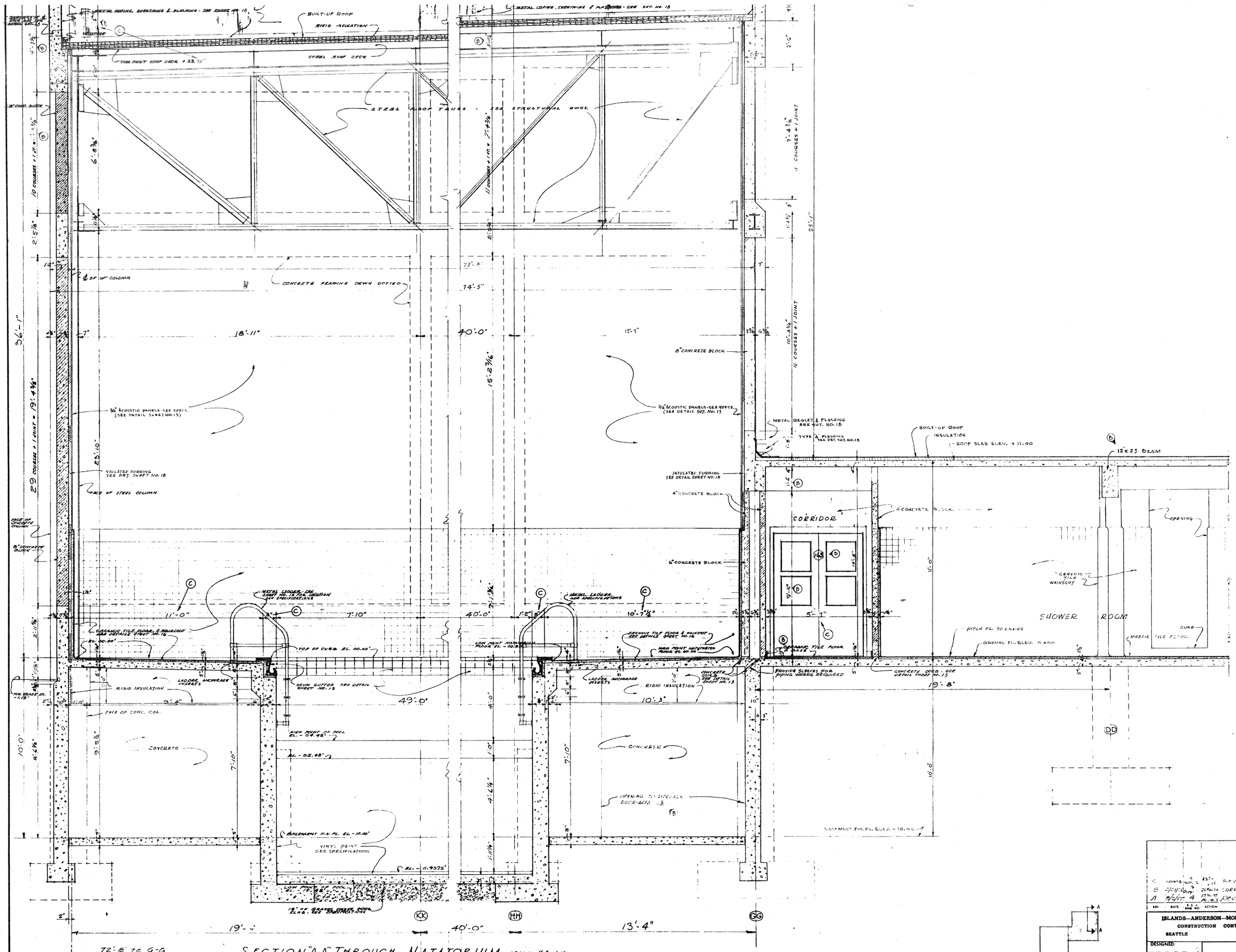
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTION THROUGH GYMNASIUM

RECOMMENDED A. C. Trombeau PRIME CONTRACTOR
APPROVED J. Wilmoson Castle RESIDENT ENGINEER
DATE 6/1/57

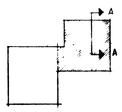
APPROVED A-13
DATE

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 11 OF 47

SERIAL NO. ENG. 95-507-55-52



SECTION "A-A" THROUGH NATATORIUM SCALE 1/2" = 1'-0"



KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

24 July, 1957

REV	DATE	I.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D
C	10 Nov 56	23 Sep 55	RPV	JMS.	S MS	W
B	7/25/56	9 Sep 55	DEWSA	CORRECTION OF DIMENSIONS	NO LCE	SEA
A	8/4/55	4 Mar 55	DEWSA	Revised dimension near colline L-L	JMS	WMC

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

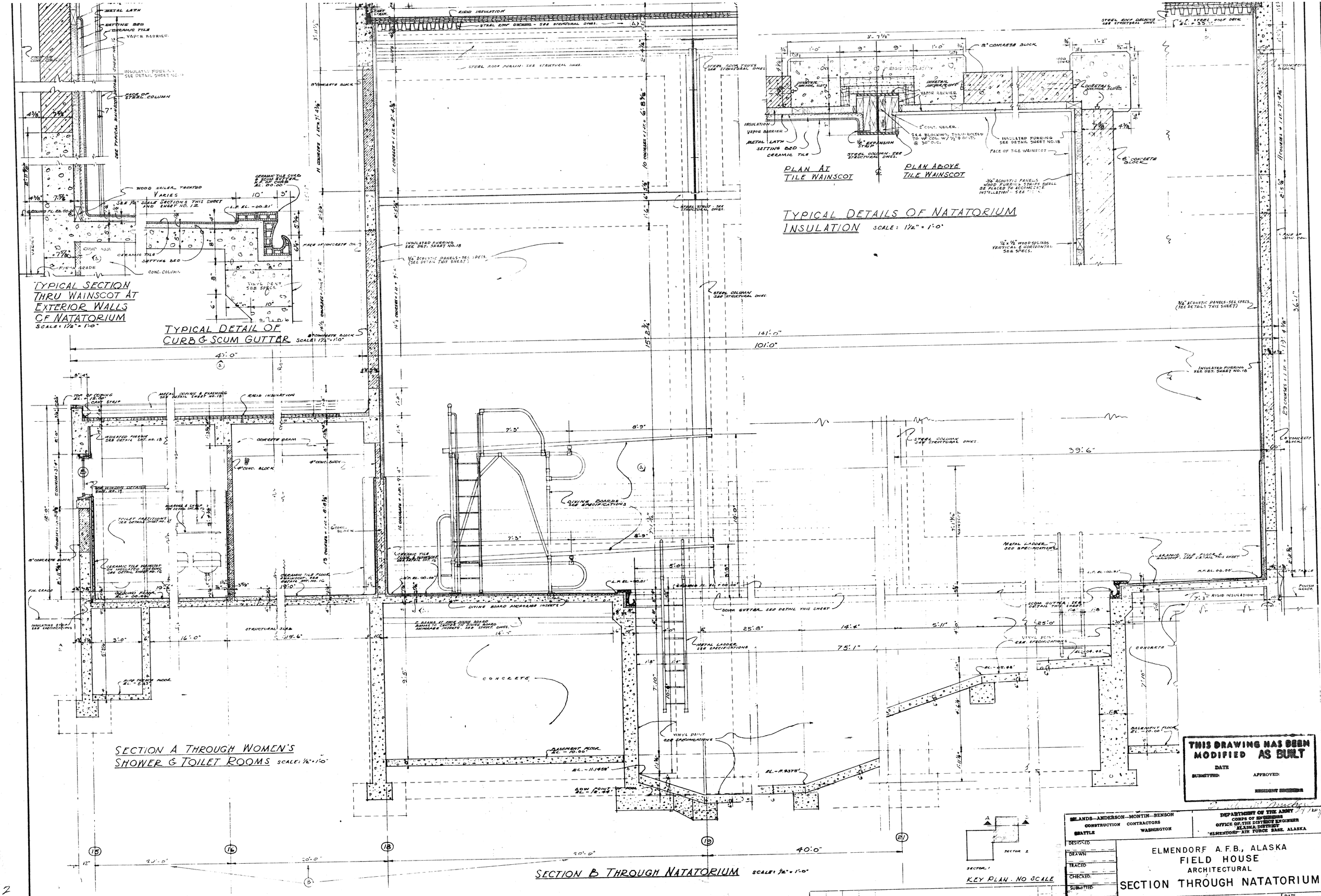
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
NATATORIUM

RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE: 6/18/57

APPROVED
DATE

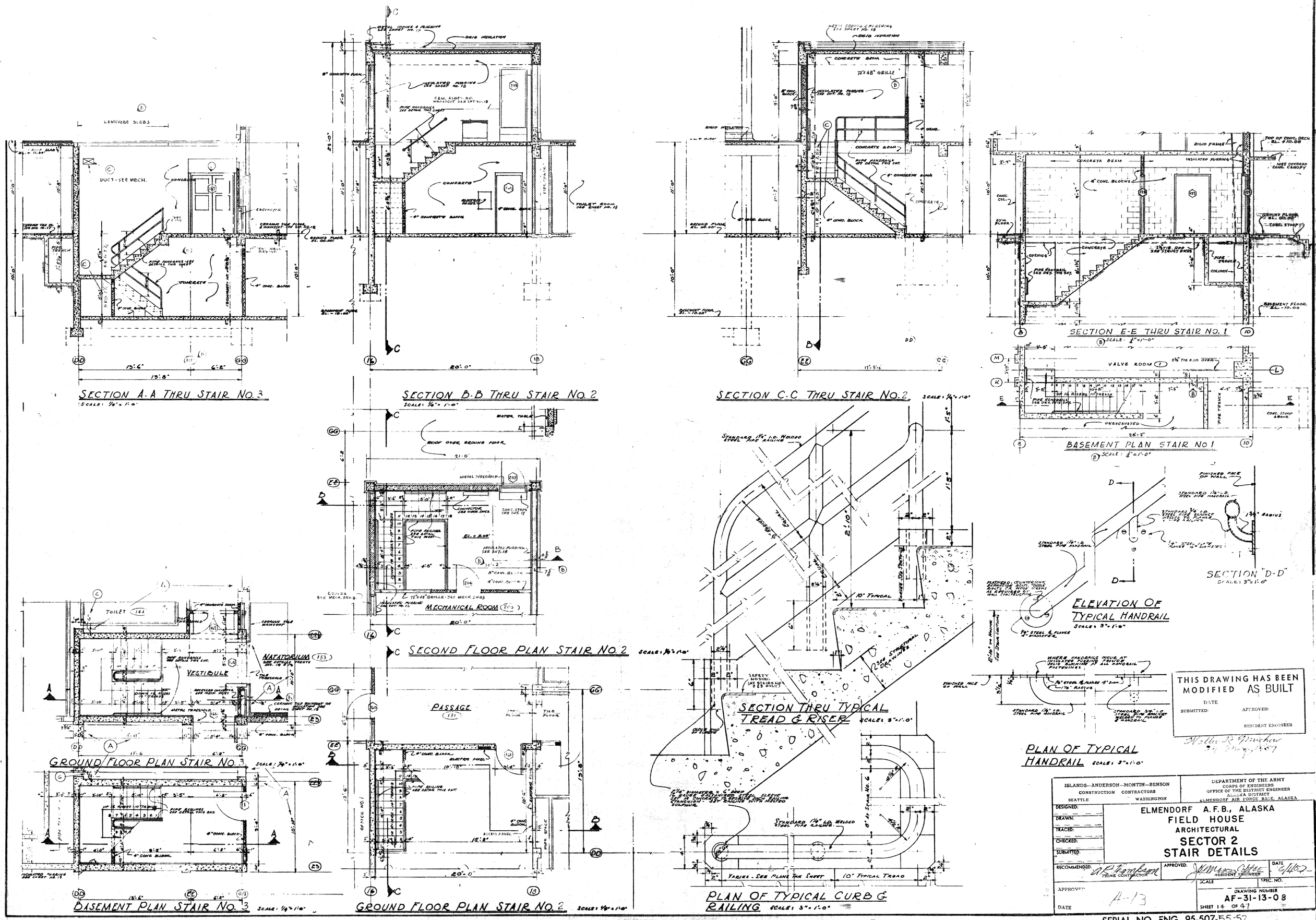
SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 12 OF 47

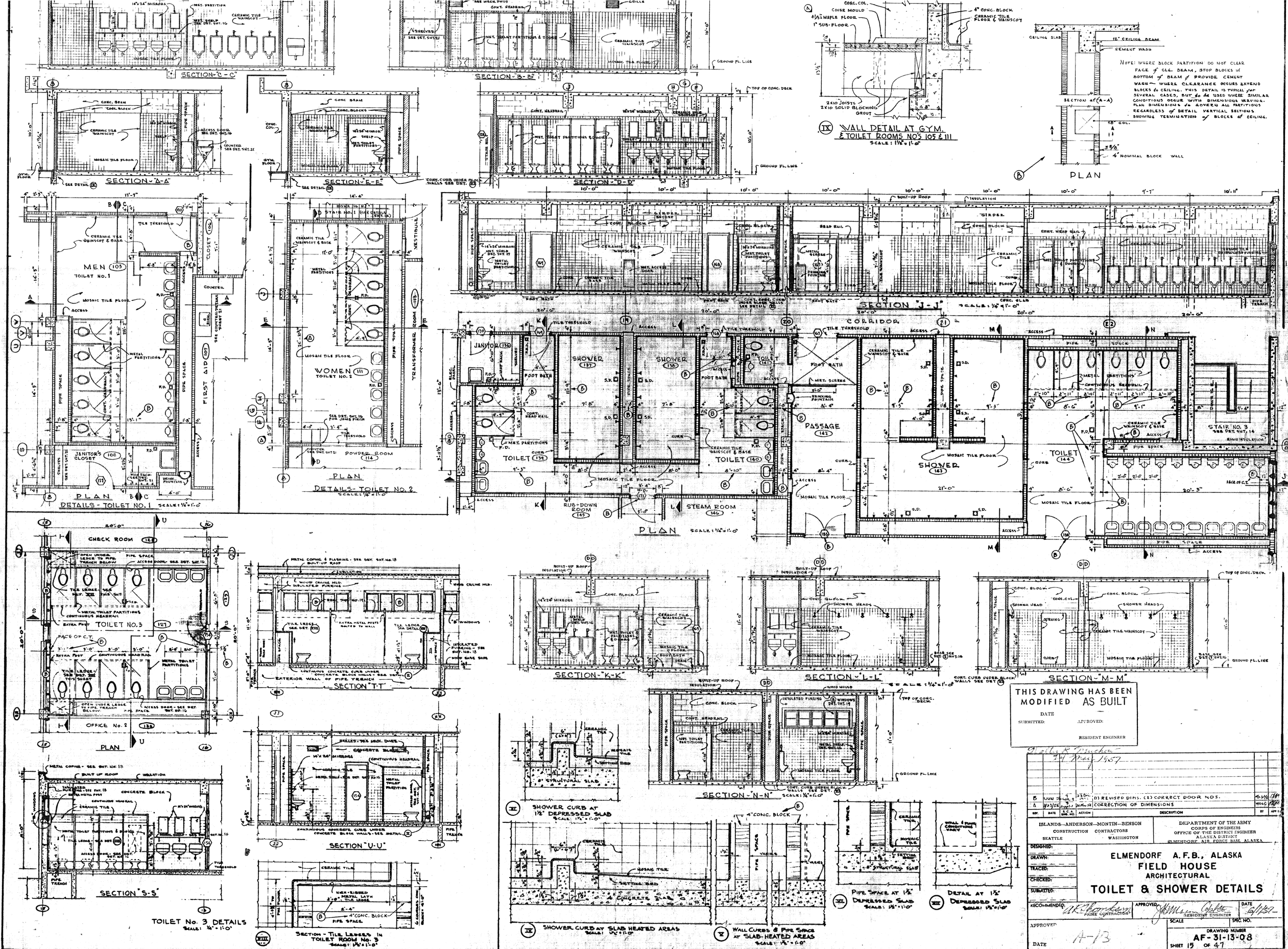
SERIAL NO. ENG. 95-507-55-52

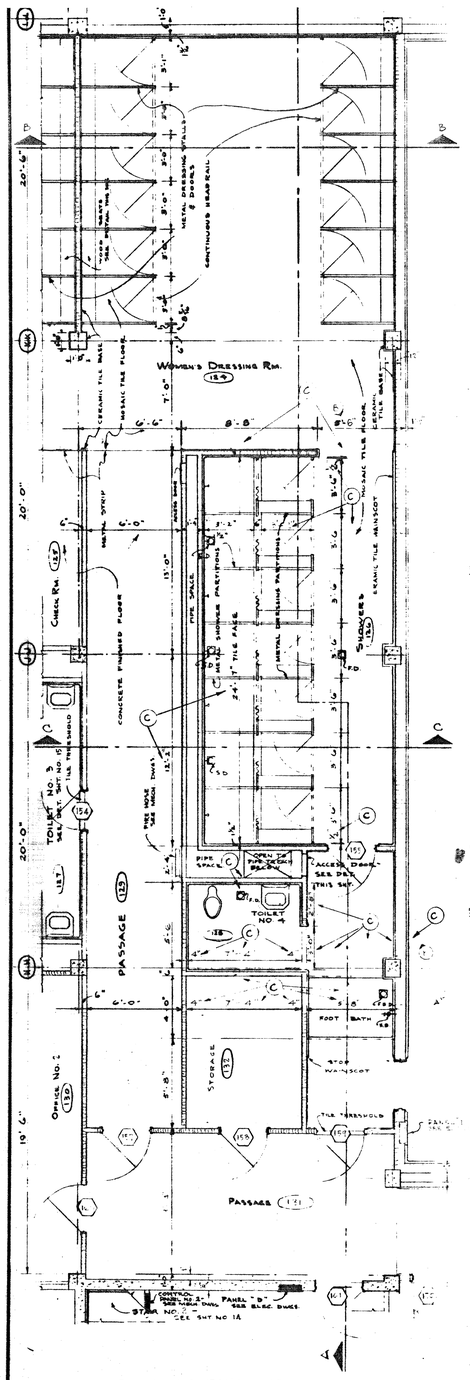

TYPICAL SECTION THRU WAINSCOT AT EXTERIOR WALLS OF NATATORIUM
SCALE: 1½" = 1'-0"
TYPICAL DETAIL OF CURB & SCUM GUTTER
SCALE: 1½" = 1'-0"
PLAN AT TILE WAINSCOT
&
PLAN ABOVE TILE WAINSCOT
TYPICAL DETAILS OF NATATORIUM INSULATION
SCALE: 1½" = 1'-0"
SECTION A THROUGH WOMEN'S SHOWER & TOILET ROOMS
SCALE: ½" = 1'-0"
SECTION B THROUGH NATATORIUM
SCALE: ½" = 1'-0"
KEY PLAN - NO SCALE
THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED:
APPROVED:
RESIDENT ENGINEER
ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA
DESIGNED
DRAWN
TRACED
CHECKED:
SUBMITTED
DATE
RECOMMENDED
PRIME CONTRACTOR
APPROVED
DATE
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
SECTION THROUGH NATATORIUM
RESIDENT ENGINEER
SCALE
SPEC. NO.
DRAWING NUMBER
AF-31-13-08
SHEET 13 OF 47
SERIAL NO. ENG. 95-507-55-52
REV DATE ECO NO. ACTION DESCRIPTION
CORRECTION OF DIMENSIONS

12

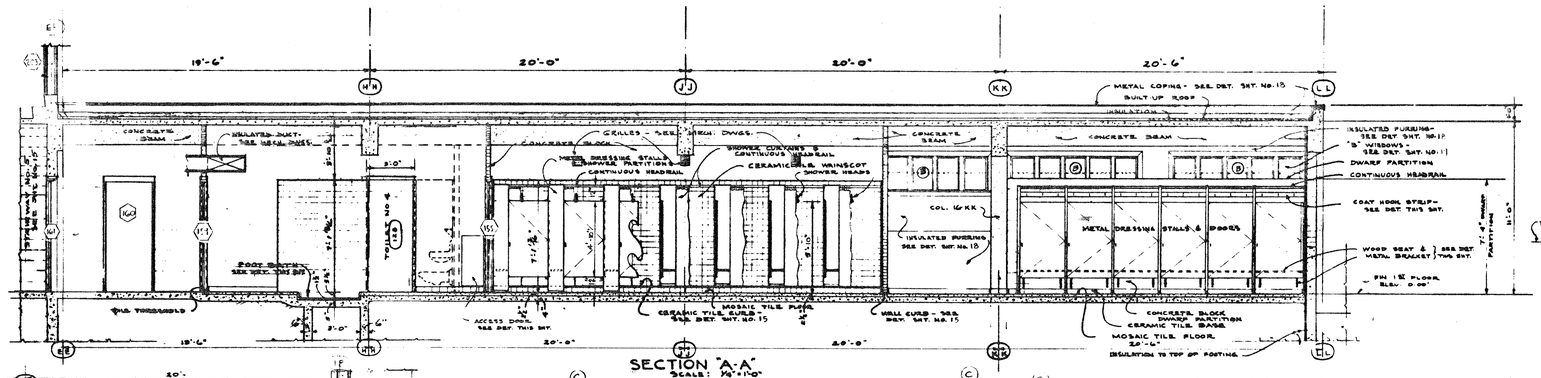
REV.	DATE	S.C.A. DWG. NO.	ACTION	DESCRIPTION	BY	APP'D
C	JUN 20 1955	9	23	R.B.V. DIMS. AND ADDED DUCT		
B	2/23/56			CORRECTION OF DIMENSIONS		
A	10/27/55			DIMENSIONS ADDED, DELETED OR REVISED AT STAIR NO. 3	G.A.H.	



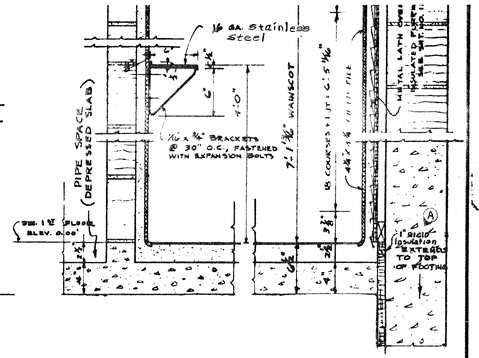

SECTION "C-C"
SECTION "B-B"
SECTION "A-A"
SECTION "E-E"
SECTION "D-D"
WALL DETAIL AT GYM. & TOILET ROOMS NOS 105 & 111
SCALE: 1½" = 1'-0"
PLAN
NOTE: WHERE BLOCK PARTITION DO NOT CLEAR FACE of CLG. BEAM, STOP BLOCKS at BOTTOM of BEAM & PROVIDE CEMENT WASH — WHERE CLEARANCE OCCURS EXTEND BLOCKS to CEILING. THIS DETAIL IS TYPICAL for SEVERAL CASES, BUT to be USED WHERE SIMILAR CONDITIONS OCCUR WITH DIMENSIONS VARYING. PLAN DIMENSIONS to ADVISE ALL PARTITIONS REGARDLESS of DETAIL VERTICAL SECTIONS SHOWING TERMINATION of BLOCKS at CEILING.
MEN TOILET NO. 1 (105)
FIRST AID (107)
JANITOR'S CLOSET (108)
PLAN
DETAILS - TOILET NO. 1
SCALE: 1½" = 1'-0"
WOMEN TOILET NO. 2 (111)
POWDER ROOM (114)
TRANSFORMER ROOM
PLAN
DETAILS - TOILET NO. 2
SCALE: 1½" = 1'-0"
SECTION "J-J"
SCALE: 1½" = 1'-0"
CORRIDOR
JANITOR (136)
SHOWER (137)
SHOWER (138)
TOILET (139)
TOILET (140)
PASSAGE (142)
SHOWER (143)
TOILET (144)
RUB-DOWN ROOM (145)
STEAM ROOM (146)
STAIR NO. 3
PLAN
SCALE: 1½" = 1'-0"
CHECK ROOM (120)
TOILET NO. 3 (121)
OFFICE No. 2 (122)
PLAN
SECTION "T-T"
SECTION "U-U"
SECTION "S-S"
TOILET No. 3 DETAILS
SCALE: ½" = 1'-0"
SECTION - TILE LEDGES IN TOILET ROOM No. 3
SCALE: 1½" = 1'-0"
SECTION "K-K"
SECTION "L-L"
SECTION "M-M"
SECTION "N-N"
SCALE: 1½" = 1'-0"
SHOWER CURB AT 1½" DEPRESSED SLAB
SCALE: 1½" = 1'-0"
SHOWER CURB AT SLAB HEATED AREAS
SCALE: 1½" = 1'-0"
WALL CURBS & PIPE SPACE AT SLAB-HEATED AREAS
SCALE: 1½" = 1'-0"
PIPE SPACE AT 1½" DEPRESSED SLAB
SCALE: 1½" = 1'-0"
DETAIL AT 1½" DEPRESSED SLAB
SCALE: 1½" = 1'-0"
THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED:
APPROVED:
RESIDENT ENGINEER
B | 1/11/56 | 5-4-5 | 2330 | (1) REVISED DIMS. (2) CORRECT DOOR NOS.
Δ | 9/23/56 | 5-4-5 | 2330 | CORRECTION OF DIMENSIONS
ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
TOILET & SHOWER DETAILS
RECOMMENDED:
PRIME CONTRACTOR
APPROVED:
RESIDENT ENGINEER
DATE 6/1/57
APPROVED
DATE
SCALE
SPEC. NO.
DRAWING NUMBER
AF-31-13-08
SHEET 15 OF 47
SERIAL NO. ENG. 95-507-55-52



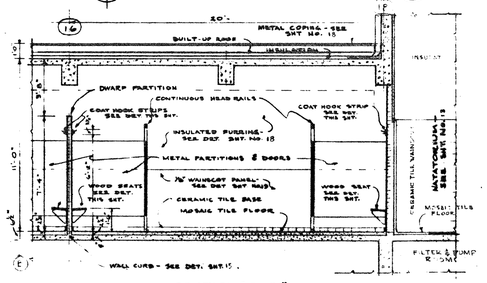
PLAN- WOMEN'S SHOWERS
SCALE: 1/2" = 1'-0"



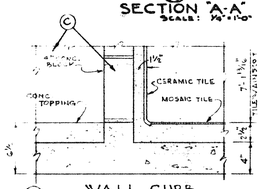
SECTION "A-A"
SCALE: 1/4" = 1'-0"



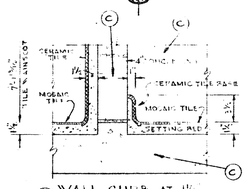
FLOOR CONDITIONS AT SLAB-HEATED AREAS
(SEE SHT. No. 15 FOR FURTHER DETAILS)



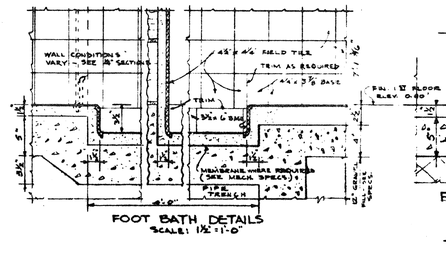
SECTION "B-B"
SCALE: 1/4" = 1'-0"



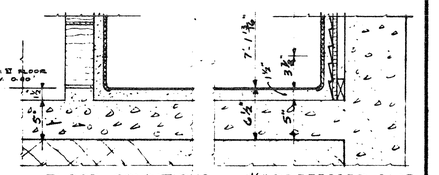
(II) WALL CURB AT SLAB-HEATED AREAS



(I) WALL CURB AT 1½" DEPRESSED SLAB
SEE "A" SECTIONS, SHT. 7
SCALE: 1½" = 1'-0"



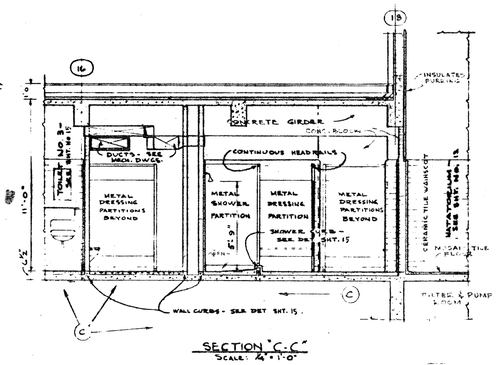
FOOT BATH DETAILS
SCALE: 1½" = 1'-0"



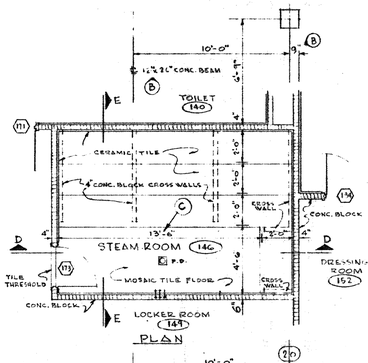
FLOOR CONDITIONS AT 1½" DEPRESSED SLAB
(SEE SHT. No. 15 FOR FURTHER DETAILS)

INTERIOR WALLS — EXTERIOR WALLS

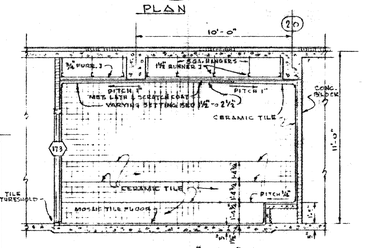
TYPICAL TILE WAINSCOT DETAILS
SCALE: 1½" = 1'-0"



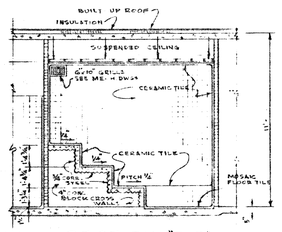
SECTION "C-C"
SCALE: 1/4" = 1'-0"



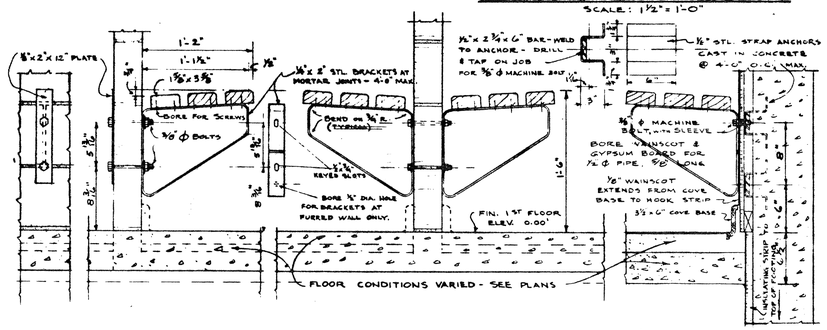
PLAN



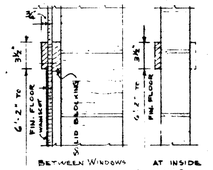
SECTION "D-D"
SCALE: 1/4" = 1'-0"



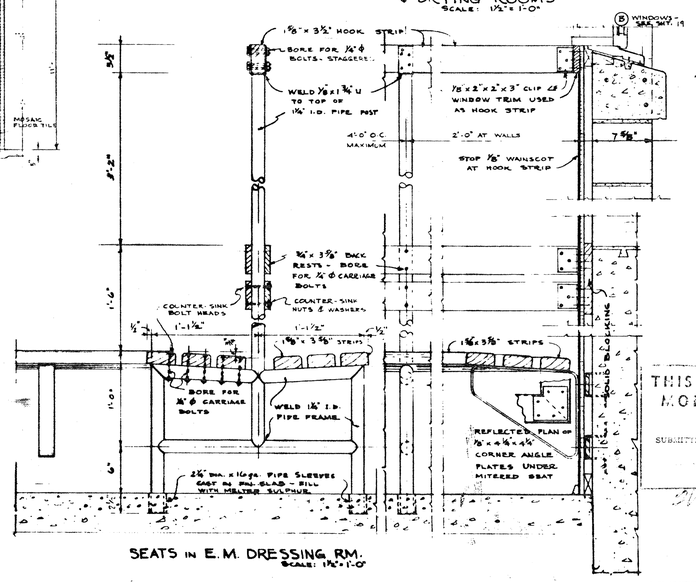
SECTION "E-E"



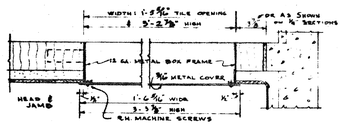
DETAILS OF SEATS AT WALLS IN DRESSING & DRYING ROOMS
SCALE: 1½" = 1'-0"



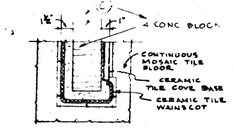
HOOK STRIP DETAILS
SCALE: 1½" = 1'-0"



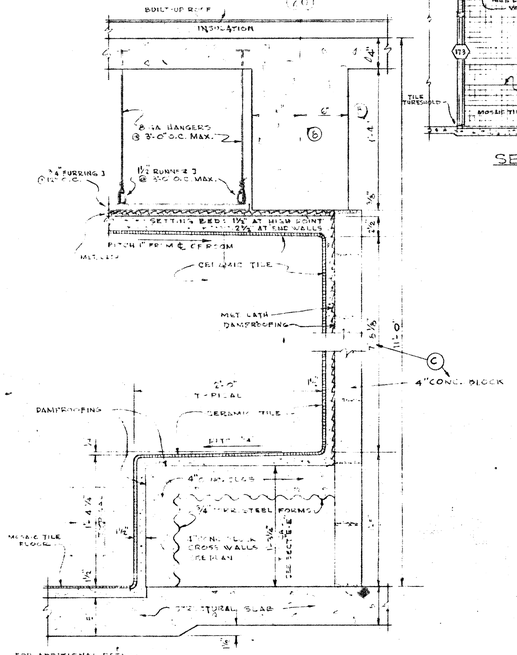
SEATS IN E.M. DRESSING RM.
SCALE: 1½" = 1'-0"



ACCESS DOORS IN CERAMIC TILE WAINSCOT (CONC BLOCK SIMILAR)
SCALE: 1½" = 1'-0"



JAMB AT CONCRETE BLOCK OPENING
SCALE: 1½" = 1'-0"



FOR ADDITIONAL DETAILS SEE STRUCT. DWGS.

DETAILS - STEAM ROOM
SCALE: 1½" = 1'-0"

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

REV	DATE	ENG. NO.	ACTION	DESCRIPTION	BY	APPD
C	1 JUN 58	Supp-2	23 Oct 1958	REVISED DIMENSIONS		
B	4/23/58	3	21 Mar 58	CORRECTION OF DIMENSIONS		
A	29/6/57			Revised Foundation Insulation Note - Add.		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE: 6/1/57
APPROVED
DATE
SCALE
SPEC NO.
DRAWING NUMBER AF-31-13-08
SHEET 16 OF 47

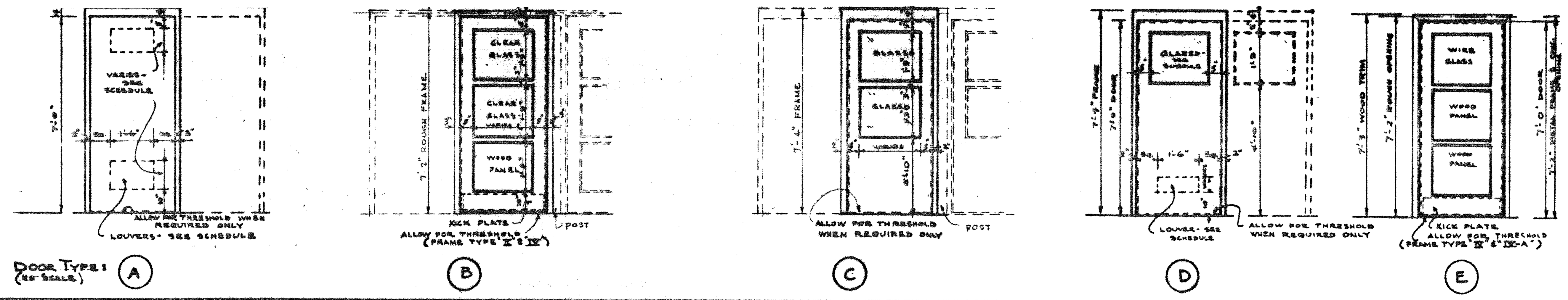
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
TOILET & SHOWER DETAILS

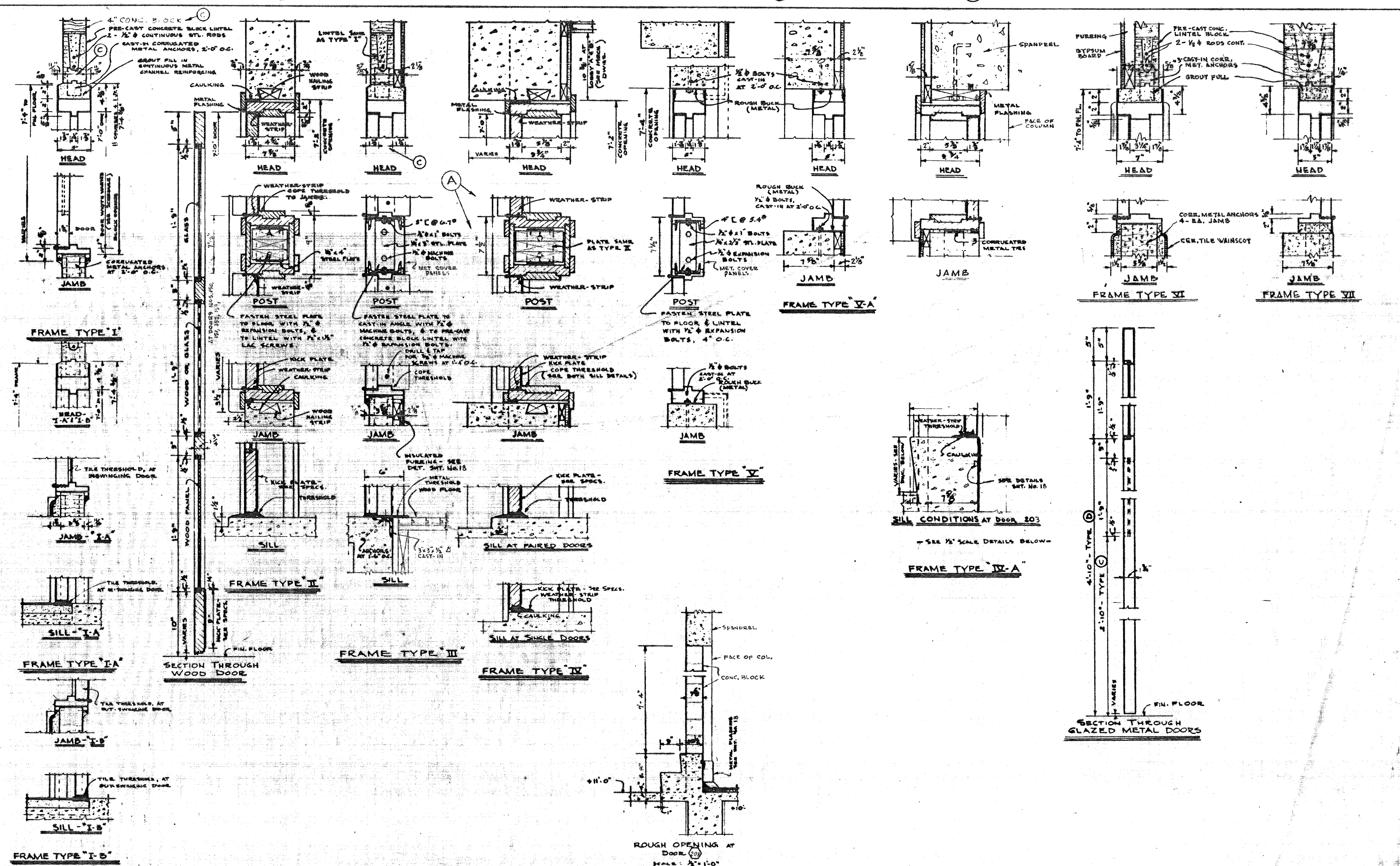
SERIAL NO. ENG. 95-507-

NO.	GR	REMARKS								REMARKS
BASEMENT										
1	1		3'-6" x 7'-0"	A	METAL	METAL	I		NONE	
GROUND FLOOR										
101	7		3'-4" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
102	7		3'-4" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
103	7		3'-4" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
104	1		3'-4" x 7'-0"	C	METAL	METAL	III		METAL	WIRE GLASS
105	1		3'-4" x 7'-0"	C	METAL	METAL	III		METAL	WIRE GLASS
106	1		3'-4" x 7'-0"	C	METAL	METAL	III		METAL	WIRE GLASS
107	7		3'-4" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
108	7		3'-4" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
109	7		3'-4" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
110	1		3'-4" x 7'-0"	C	METAL	METAL	III		METAL	WIRE GLASS
111	1		3'-4" x 7'-0"	C	METAL	METAL	III		METAL	WIRE GLASS
112	1		3'-4" x 7'-0"	C	METAL	METAL	III		METAL	WIRE GLASS
113	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
114	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
115	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
116	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
117	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
118	1		2'-6" x 7'-0" PAIR	C	METAL	METAL	III		METAL	WIRE GLASS
119	1		2'-6" x 7'-0" PAIR	C	METAL	METAL	III		METAL	WIRE GLASS
120	1		2'-6" x 7'-0"	A	METAL	METAL	I-A		TILE (I-A)	
121	4		2'-6" x 7'-0"	A	METAL	METAL	I		NONE	18"x6" LOUVRE IN BOTTOM
122	4		2'-6" x 7'-0"	A	METAL	METAL	I		NONE	18"x6" LOUVRE IN BOTTOM
123	6		3'-0" x 7'-0"	D	METAL	METAL	I		NONE	18"x6" LOUVRE OBSCURE GLASS
124	1		3'-0" x 7'-0" PAIR	C	METAL	METAL	I		METAL (III)	WIRE GLASS
125	1	(B)	2'-6" x 7'-0" PAIR	C	METAL	METAL	VII		NONE	CLEAR GLASS
126	3		3'-0" x 7'-0" PAIR	A	METAL	METAL	I		NONE	18"x18" LOUVRES BOTTOM EA. LEAF
127	4		4'-0" x 7'-0"	D	METAL	METAL	I		NONE	WIRE GLASS
128	6		3'-0" x 7'-0"	D	METAL	METAL	I		NONE	WIRE GLASS
129	6		4'-0" x 7'-0"	E	WOOD	WOOD	IV		METAL	WIRE GLASS WEATHERSTRIP
130	4		4'-0" x 7'-0"	D	METAL	METAL	I		NONE	WIRE GLASS
131	4		2'-6" x 7'-0"	A	METAL	METAL	I		NONE	18"x6" LOUVRE IN BOTTOM
132	1		2'-6" x 7'-0"	A	METAL	METAL	I		NONE	18"x6" LOUVRE IN BOTTOM
133	1		2'-6" x 7'-0" PAIR	C	METAL	METAL	III		METAL	CLEAR GLASS
134	1		2'-6" x 7'-0" PAIR	C	METAL	METAL	III		METAL	CLEAR GLASS
135	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
136	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
137	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
138	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
139	7		3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
140	2		3'-0" x 7'-0"	D	METAL	METAL	I		NONE	OBSCURE GLASS
141	2		3'-0" x 7'-0"	D	METAL	METAL	I		NONE	OBSCURE GLASS
142	1		3'-0" x 7'-0" PAIR	D	METAL	METAL	I		NONE	CLEAR GLASS
143	2		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	
144	2		3'-0" x 7'-0"	D	METAL	METAL	I		METAL	OBSCURE GLASS
145	2		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	
146	1		2'-8" x 7'-0"	C	METAL	METAL	V		METAL	CLEAR GLASS
147	1		2'-8" x 7'-0"	C	METAL	METAL	V		METAL	CLEAR GLASS
148	1		2'-8" x 7'-0"	C	METAL	METAL	V		METAL	CLEAR GLASS
149	1		2'-8" x 7'-0"	C	METAL	METAL	V		METAL	CLEAR GLASS
150	7		2'-8" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
151	7		2'-8" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
152	7		2'-8" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
153	7		2'-8" x 7'-0"	B	WOOD	WOOD	II		METAL	CLEAR GLASS WEATHERSTRIP
154	1		2'-6" x 7'-0"	A	METAL	METAL	I-A		TILE (I-A)	
155	1		3'-0" x 7'-0"	D	METAL	METAL	I-A		NONE	18"x6" LOUVRE BOT. OBSCURE GLASS
156	1		3'-0" x 7'-0"	D	METAL	METAL	VI		NONE	OBSCURE GLASS
157	1		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	
158	4		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	
159	9		3'-0" x 7'-0"	A	METAL	METAL	I-B		TILE (I-B)	
160	2		3'-0" x 7'-0"	D	METAL	METAL	I		NONE	CLEAR GLASS
161	7		3'-0" x 7'-0"	A	METAL	METAL	V		NONE	
162	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I-A		NONE	CLEAR GLASS
163	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I-A		NONE	CLEAR GLASS
164	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I-A		TILE (I-B)	CLEAR GLASS
165	1		2'-6" x 7'-0" PAIR	C	METAL	METAL	I		TILE (I-B	CLEAR GLASS
166	8		2'-6" x 7'-0" PAIR	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
167	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I-A	(B)	TILE (I-A)	OBSCURE GLASS
168	1		2'-6" x 7'-0"	D	METAL	METAL	I-A	(B)	TILE (I-A)	OBSCURE GLASS
169	1		2'-6" x 7'-0"	D	METAL	METAL	I-A	(B)	TILE (I-A	OBSCURE GLASS
170	4		2'-6" x 7'-0"	A	METAL	METAL	I		TILE (I-B)	18"x6" LOUVRE BOTTOM
171	1		3'-0" x 7'-0"	A	METAL	METAL	I-B		TILE (I-B)	18"x18" LOUVRE BOTTOM
172	1		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	12"x6" LOUVRE BOTTOM
173	1		2'-6" x 7'-0"	D	METAL	METAL	I-A		TILE (I-A)	CLEAR GLASS 12"x6" LOUVRE BOT.
174	1		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	18"x18" LOUVRE BOTTOM
175	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I		NONE	OBSCURE GLASS
176	1		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	
177	1		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	
178	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I		NONE	OBSCURE GLASS
179	7	(A)	3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
180	7	(A)	3'-6" x 7'-0"	B	WOOD	WOOD	IV		METAL	CLEAR GLASS WEATHERSTRIP
181	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I		NONE	OBSCURE GLASS
182	1		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	
183	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I-A		TILE (I-A)	OBSCURE GLASS
184	1		2'-6" x 7'-0" PAIR	D	METAL	METAL	I-A		TILE (I-A)	OBSCURE GLASS
SECOND FLOOR										
201	4		3'-0" x 7'-0"	A	METAL	METAL	V-A		NONE	
202	4		3'-0" x 7'-0"	A	METAL	METAL	V-A		NONE	
203	5		3'-0" x 7'-0"	E	WOOD	WOOD	IV-A			
204	5		3'-0" x 7'-0"	A	METAL	METAL	I		NONE	

DOOR FINISH SHALL BE SAME AS TRIM (SEE FINISH SCHEDULE SHEET NO. 20)

FRAME FINISH SHALL BE SAME AS TRIM (SEE FINISH SCHEDULE SHEET NO. 20)





THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED: APPROVED:

RESIDENT ENGINEER

Walter L. Mushow
24 May, 1957

REV	DATE	ENG NO.	ACTION	DESCRIPTION	BY	APP'D
C	11 JUN 56			REVISED DIMENSIONS		
	4/3/56			REVISED THRESHOLD & DOOR TYPE		
(A)	10/27/55			REVISE SIZE OF DOORS 179 & 180, REVISE POST DETAIL FOR FRAME TYPE IV	C.A.H.	

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
DOOR SCHEDULE & DETAILS

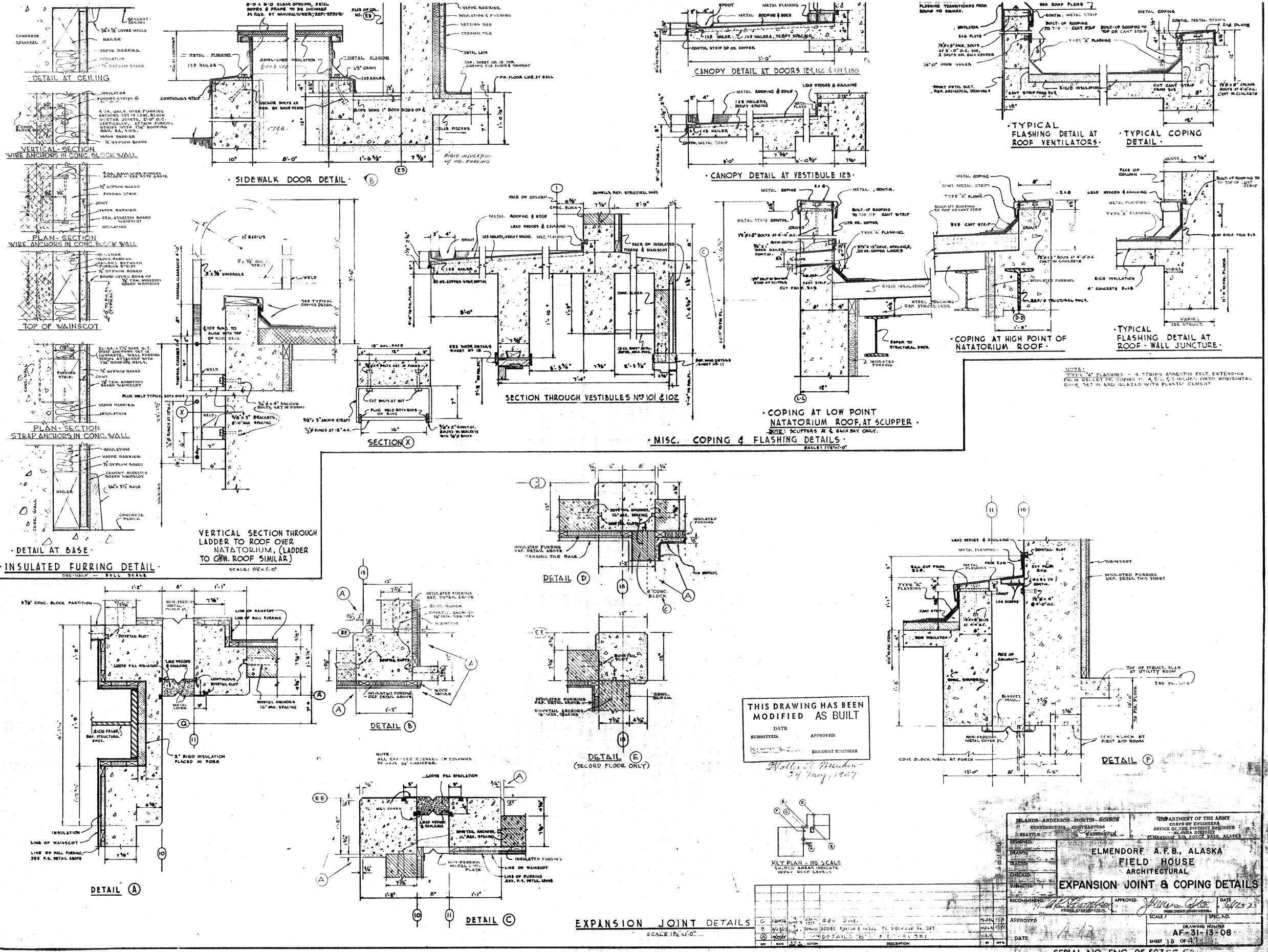
RECOMMENDED: [signature] PRIME CONTRACTOR
APPROVED: [signature] RESIDENT ENGINEER
DATE: 6/11/57

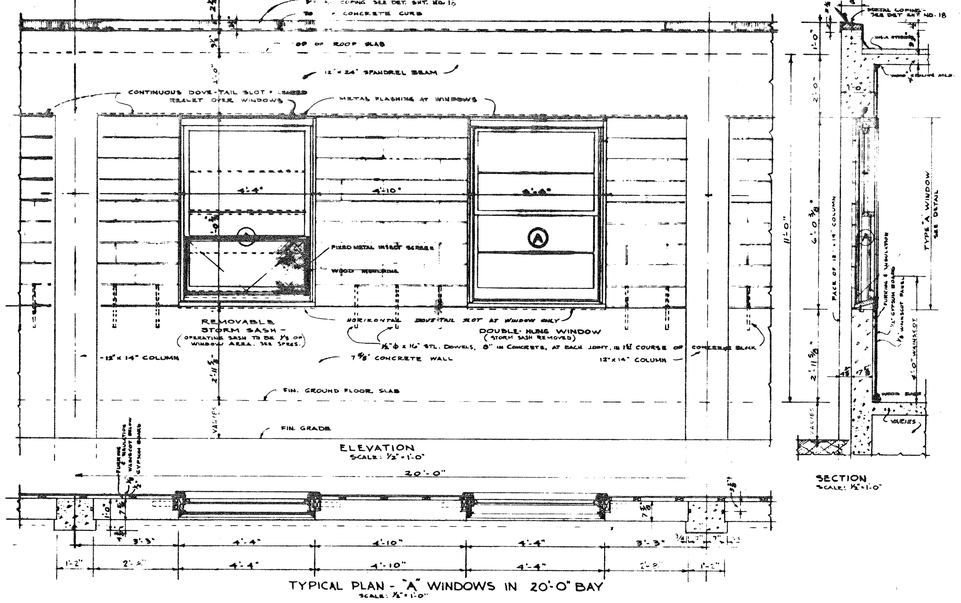
APPROVED A-13
DATE

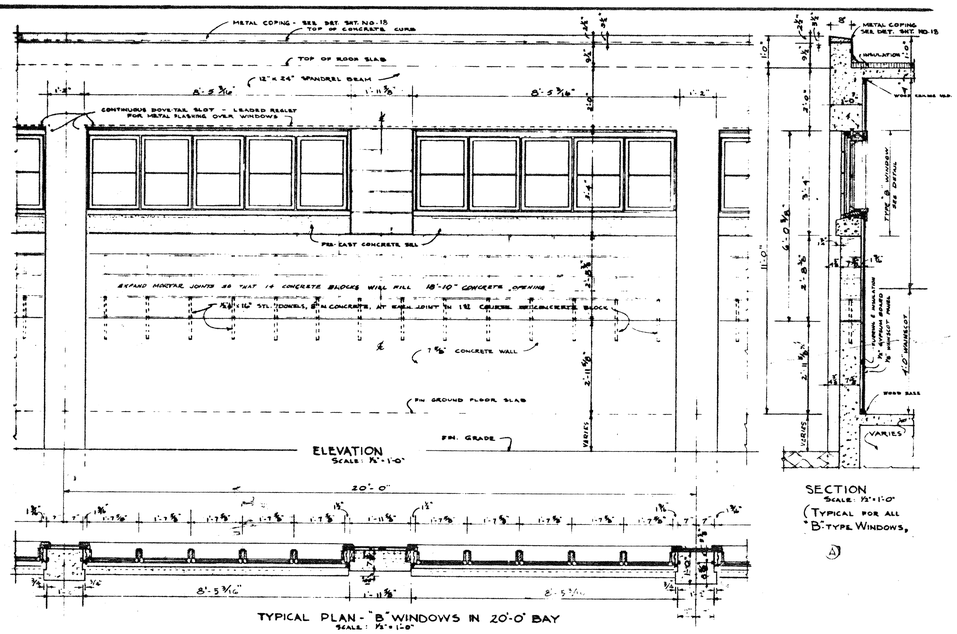
SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 17 OF 41

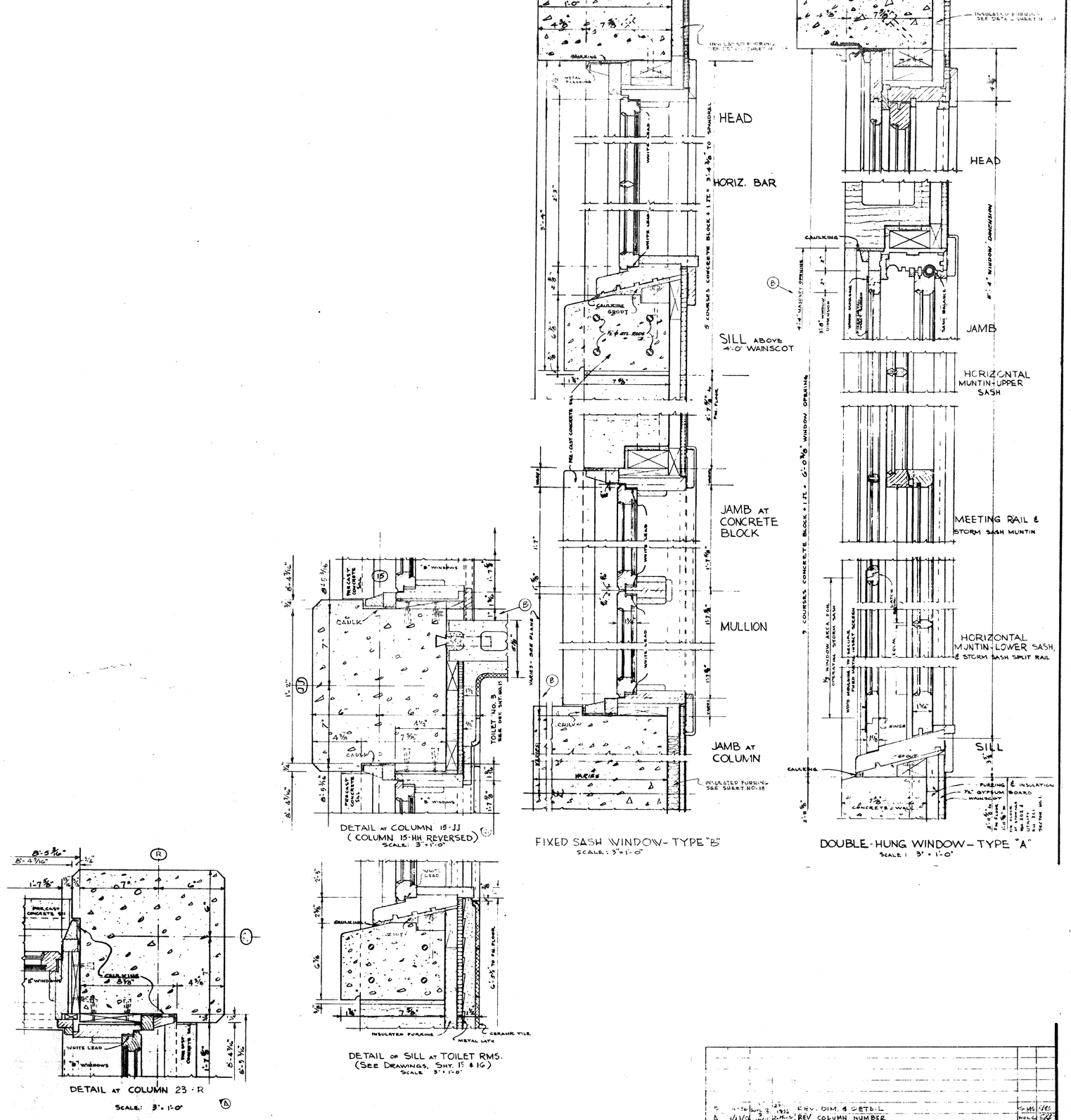
4-910

SERIAL NO. ENG. 95-507-55-52


DETAIL AT CEILING
VERTICAL SECTION WIRE ANCHORS IN CONC. BLOCK WALL
PLAN - SECTION WIRE ANCHORS IN CONC. BLOCK WALL
TOP OF WAINSCOT
PLAN - SECTION STRAP ANCHORS IN CONC. WALL
DETAIL AT BASE
INSULATED FURRING DETAIL
ONE-HALF — FULL SCALE
SIDEWALK DOOR DETAIL
CANOPY DETAIL AT DOORS 129, 166 & 179 & 180
CANOPY DETAIL AT VESTIBULE 123
TYPICAL FLASHING DETAIL AT ROOF VENTILATORS
TYPICAL COPING DETAIL
SECTION THROUGH VESTIBULES Nos 101 & 102
SECTION X
COPING AT LOW POINT NATATORIUM ROOF, AT SCUPPER
NOTE: SCUPPERS AT ℄ EACH BAY ONLY.
COPING AT HIGH POINT OF NATATORIUM ROOF
TYPICAL FLASHING DETAIL AT ROOF - WALL JUNCTURE
MISC. COPING & FLASHING DETAILS
SCALE: 1½"=1'-0"
NOTE: TYPE "A" FLASHING - 4 STRIPS ASBESTOS FELT, EXTENDING FROM RECLET OR COPING TO 4, 5, 6 & 7 INCHES ONTO HORIZONTAL ROOF, SET IN AND GLAZED WITH PLASTIC CEMENT
VERTICAL SECTION THROUGH LADDER TO ROOF OVER NATATORIUM, (LADDER TO GYM. ROOF SIMILAR)
SCALE: 1½"=1'-0"
DETAIL A
DETAIL B
DETAIL C
DETAIL D
DETAIL E (SECOND FLOOR ONLY)
DETAIL F
NOTE: ALL EXPOSED CORNERS OF COLUMNS TO HAVE ¾" CHAMFER
KEY PLAN - NO SCALE
SHADED AREAS INDICATE UPPER ROOF LEVELS
EXPANSION JOINT DETAILS
SCALE 1½"=1'-0"
THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED:
APPROVED:
RESIDENT ENGINEER
Walter R. Muchow
24 May, 1957
ISLANDS-ANDERSON-MONTIN-BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED:
PRIME CONTRACTOR
APPROVED:
RESIDENT ENGINEER
DATE 6/17/52
APPROVED
DATE
SCALE
SPEC. NO.
DRAWING NUMBER
AF-31-13-06
SHEET 18 OF 41
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
EXPANSION JOINT & COPING DETAILS
REV. DIM.
ADDED FINISH & INSUL. TO SIDEWALK DR. DET.
DETAILS "B" & "D" REV. SEI
REV. DATE ACTION DESCRIPTION BY APP'D
SERIAL NO. ENG. 95-507-55-52







THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED: APPROVED:

RESIDENT ENGINEER

24 May 1957

REV	DATE	I.C.A. LINE NO.	ACTION	DESCRIPTION	BY	APP'D
B	11-26			REV. DIM. & DETAIL		
A	4/23/56			REV COLUMN NUMBER		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
WINDOW DETAILS

RECOMMENDED: W. A. K. Thompson, PRIME CONTRACTOR
APPROVED: H. Mason Capt. Co., RESIDENT ENGINEER
DATE 6/1/52

APPROVED
DATE

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
19 OF 47

FILE NO. 13-2-31-30

ENG 95-507-55-52

NO.	NAME	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	REMARKS
	BASEMENT													
1	VALVE ROOM	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONCRETE	NONE	NONE	NONE	CONCRETE	NONE	NONE	NONE	
2	FILTER & PUMP ROOM	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONCRETE	NONE	NONE	NONE	CONCRETE	NONE	NONE	NONE	
3	AREA	CONCRETE	TROWELLED HARDENER	NONE	NONE	SOFTWOOD T&G	105-SG	NONE	NONE	SIDEWALK DOORS	NONE	METAL	105-SG	
4	PIPE GALLERY	CONCRETE	TROWELLED HARDENER	NONE	NONE	* CONCRETE	NONE	NONE	NONE	CONCRETE	NONE	NONE	NONE	
5	SWIMMING POOL	CONCRETE	SEE SPECS.	NONE	NONE	CONCRETE	SEE SPECS.	NONE	NONE	OPEN TO NATATORIUM	—	CERAMIC TILE SCUM GUTTER	DARK GREEN	
	STAIR NO. 1	CONCRETE	TROWELLED NON-SLIP	NONE	NONE	CONCRETE	NONE	NONE	NONE	CONCRETE	NONE	METAL	105-SG	
	STAIR NO. 3	CONCRETE	TROWELLED NON-SLIP	Wood ⑥	109-SG	** CONC., CONC. BLK. & GYPSUM BOARD	NONE	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL	109-SG	SAFETY NOSINGS ON TREADS
	GROUND FLOOR													
101	VESTIBULE	CONCRETE	WOOD FLOAT HARDENER	NONE	NONE	CONCRETE & CONC. BLOCK	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE & SHT. METAL	108-SG	METAL & WOOD	109-SG	
102	VESTIBULE	CONCRETE	WOOD FLOAT HARDENER	NONE	NONE	CONCRETE & CONC. BLOCK	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE & SHT. METAL	108-SG	METAL	109-SG	
103	GYMNASIUM	HARDWOOD	SEE SPECS.	WOOD	SEE SPECS.	* CONC. BLOCK & GYPSUM BOARD	108-F	T.&G. & CONC. BLOCKS - 11'-6" HIGH	109-SG	STEEL DECKING	WHITE-F	WOOD & METAL	109-SG	PAINT LINES ON FLOOR AS PER SPECS. (A)
104	LOBBY "A"	CONCRETE	WOOD FLOAT HARDENER	Wood ⑥	109-SG	** CONC., CONC. BLOCK & GYPSUM BOARD	108-F	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	103-F	METAL & WOOD	109-SG	
105	TOILET NO. 1	CERAMIC TILE	BUFF	CERAMIC TILE	MED. GREEN	CONC. BLOCK	108-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	METAL	110-G	METAL PARTITIONS FACTORY FINISH
106	STORAGE CLOSET	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONCRETE & CONC. BLOCK	NONE	NONE	NONE	PRE-CAST CONC. UNITS	NONE	METAL	SEE SPECS.	REMOVABLE CEILING SLABS
107	FIRST AID	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONCRETE & CONC. BLOCK	WHITE-G	PAINT 7'-4" HIGH	108-G	CONCRETE	WHITE-G	METAL	108-SG	WOOD COUNTER
108	JANITOR	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONC. BLOCK	NONE	NONE	NONE	CONCRETE	NONE	METAL & WOOD	102-G	WOOD SHELVES
109	PASSAGE	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONC. BLOCK	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL	109-SG	
110	STORAGE	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC. BLOCK & GYPSUM BOARD	NONE	CEM. ASBES. BD.①	NONE	CONCRETE	NONE	METAL	SEE SPECS.	
111	TOILET NO. 2	CERAMIC TILE	BUFF	CERAMIC TILE	MED. GREEN	CONC. BLOCK	108-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	NONE	NONE	METAL PARTITIONS FACTORY FINISH
112	VESTIBULE	CONCRETE	WOOD FLOAT HARDENER	Wood ⑥	102-SG	** CONC. BLOCK & GYPSUM BD.	101-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	102-SG	CONCRETE	101-F	WOOD & METAL	102-SG	
113	TRANSFORMER RM.	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	* CONC. BLOCK & GYPSUM BOARD	NONE	CEM. ASBES. BD.①	NONE	CONCRETE	NONE	METAL	SEE SPECS.	
114	POWDER ROOM	CONCRETE	TROWELLED HARDENER	PAINT 8" HIGH	114-SG	CONCRETE & CONC. BLOCK	113-F	NONE	NONE	CONCRETE	WHITE-F	METAL & WOOD	114-SG	METAL PARTITION FACTORY FINISH WOOD COUNTER W/LINO. TOP
115	STORAGE CLOSET	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC., CONC. BLOCK & GYPSUM BOARD	NONE	CEM. ASBES. BD.①	NONE	PRE-CAST CONC. UNITS	NONE	METAL	SEE SPECS.	REMOVABLE CEILING SLABS
116	LOBBY "B"	CONCRETE	WOOD FLOAT HARDENER	Wood ⑥	109-SG	** CONC., CONC. BLOCK & GYPSUM BOARD	108-F	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	103-F	METAL & WOOD	109-SG	
117	OFFICE NO. 1	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC., CONC. BLOCK & GYPSUM BOARD	103-F	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	WOOD & METAL	109-SG	
118	HALL	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONCRETE & CONC. BLOCK	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	103-F	METAL	109-SG	
119	EXERCISE ROOM	HARDWOOD	SEE SPECS.	WOOD	SEE SPECS.	CONC. BLOCK & WOOD	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL	109-SG	
120	CORRIDOR	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC. BLOCK & GYPSUM BOARD	108-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL	109-SG	
121	EQUIPMENT ISSUE RM.	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONC. BLOCK & WOOD	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL & WOOD	109-SG	WOOD COUNTER
122	HALL	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONC. BLOCK	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL	109-SG	WOOD COUNTER
123	VESTIBULE	CONCRETE	WOOD FLOAT HARDENER	NONE	NONE	CONCRETE	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	108-SG	METAL & WOOD	109-SG	
124	WOMEN'S DRESSING ROOM	CERAMIC TILE	PALE GREEN	CERAMIC TILE	MED. GREEN	* CONC. BLOCK & GYPSUM BOARD	113-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	114-SG	CONCRETE	WHITE-SG	WOOD	114-SG	METAL PARTITIONS FACTORY FINISH
125	CHECK ROOM	CONCRETE	TROWELLED HARDENER	Wood ⑥	114-SG	* CONC. BLOCK & GYPSUM BOARD	113-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	114-SG	CONCRETE	WHITE-SG	WOOD	114-SG	WOOD COUNTER
126	SHOWERS	CERAMIC TILE	PALE GREEN	CERAMIC TILE	MED. GREEN	CONC. BLOCK	113-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	METAL	114-G	METAL PARTITIONS FACTORY FINISH
127	TOILET NO. 3	CERAMIC TILE	BUFF	CERAMIC TILE	TAN	* CONC. BLOCK & GYPSUM BOARD	108-G	CERAMIC TILE	TAN	CONCRETE	WHITE-G	METAL & WOOD	109-G	METAL PARTITIONS FACTORY FINISH
128	TOILET NO. 4	CERAMIC TILE	PALE GREEN	CERAMIC TILE	MED. GREEN	CONC. BLOCK	113-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	METAL	114-G	PARTIAL WAINSCOT, SEE SHT. NO. 16
129	PASSAGE	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONC. BLOCK	113-SG	PAINT 4'-0" HIGH	114-SG	CONCRETE	WHITE-SG	METAL	114-SG	
130	OFFICE NO. 2	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	* CONC. BLOCK & GYPSUM BOARD	103-F	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	WOOD & METAL	109-SG	
131	PASSAGE	CONCRETE	TROWELLED HARDENER	PAINT 8" HIGH	102-SG	CONCRETE & CONC. BLOCK	101-F	NONE	NONE	CONCRETE	WHITE-F	METAL	102-SG	
132	STORAGE	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONC. BLOCK	NONE	NONE	NONE	CONCRETE	NONE	METAL	SEE SPECS.	
133	NATATORIUM	CERAMIC TILE	BUFF	CERAMIC TILE	LIGHT GREEN	ACOUSTIC PANELS	113-G	CERAMIC TILE	LIGHT GREEN	STEEL DECK	WHITE-G	METAL	114-G	DIVING BOARDS & POOL LADDERS FACTORY FINISH
134	CORRIDOR	CERAMIC TILE	LIGHT WARM GRAY	CERAMIC TILE	DARK WARM GRAY	CONC. BLOCK	101-G	NONE	NONE	CONCRETE	WHITE-G	METAL	102-G	
135	VESTIBULE	CONCRETE	WOOD FLOAT HARDENER	Wood ⑥	109-SG	** CONC., CONC. BLOCK & GYPSUM BOARD	108-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL & WOOD	109-SG	
136	JANITOR	CONCRETE	TROWELLED HARDENER	NONE	NONE	CONC. BLOCK	NONE	NONE	NONE	CONCRETE	NONE	METAL & WOOD	102-G	WOOD SHELVES
137	SHOWER	CERAMIC TILE	PALE GREEN	CERAMIC TILE	MED. GREEN	CONC. BLOCK	113-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	NONE	NONE	
138	SHOWER	CERAMIC TILE	PALE GREEN	CERAMIC TILE	MED. GREEN	CONC. BLOCK	113-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	NONE	NONE	
139	TOILET NO. 5	CERAMIC TILE	PALE GREEN	CERAMIC TILE	MED. GREEN	CONC. BLOCK	113-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	NONE	NONE	METAL PARTITIONS FACTORY FINISH
140	TOILET NO. 6	CERAMIC TILE	PALE GREEN	CERAMIC TILE	MED. GREEN	CONC. BLOCK	113-G	CERAMIC TILE	MED. GREEN	CONCRETE	WHITE-G	NONE	NONE	METAL PARTITIONS FACTORY FINISH
141	TOILET NO. 7	CERAMIC TILE	LIGHT WARM GRAY	CERAMIC TILE	DARK WARM GRAY	CONC. BLOCK	101-G	CERAMIC TILE	DARK WARM GRAY	CONCRETE	WHITE-G	NONE	NONE	
142	PASSAGE	CERAMIC TILE	LIGHT WARM GRAY	CERAMIC TILE	DARK WARM GRAY	CONC. BLOCK	101-G	CERAMIC TILE	DARK WARM GRAY	CONCRETE	WHITE-G	METAL	102-G	METAL PARTITION FACTORY FINISH
143	SHOWER	CERAMIC TILE	BUFF	CERAMIC TILE	TAN	CONC. BLOCK	108-G	CERAMIC TILE	TAN	CONCRETE	WHITE-G	NONE	NONE	
144	TOILET NO. 8	CERAMIC TILE	BUFF	CERAMIC TILE	TAN	* CONC. BLOCK & GYPSUM BOARD	108-G	CERAMIC TILE	TAN	CONCRETE	WHITE-G	METAL & WOOD	109-G	METAL PARTITIONS FACTORY FINISH
145	RUB DOWN ROOM	CONCRETE	TROWELLED HARDENER	PAINT 8" HIGH	109-G	CONC. BLOCK	108-G	NONE	NONE	CONCRETE	WHITE-G	METAL	109-G	
146	STEAM ROOM	CERAMIC TILE	BUFF	CERAMIC TILE	MED. GREEN	CERAMIC TILE	MED. GREEN	NONE	NONE	CERAMIC TILE	LIGHT GREEN	METAL	113-G	SEE DETAILS SHT. NO. 16
147	DRESSING ROOM	CONCRETE	TROWELLED HARDENER	PAINT 8" HIGH	109-SG	CONC. BLOCK	108-SG	NONE	NONE	CONCRETE	WHITE-F	WOOD & METAL	109-SG	WOOD BENCHES
148	DRESSING ROOM	CONCRETE	TROWELLED HARDENER	PAINT 8" HIGH	109-SG	CONC. BLOCK	108-SG	NONE	NONE	CONCRETE	WHITE-F	WOOD & METAL	109-SG	WOOD BENCHES
149	LOCKER ROOM	CONCRETE	TROWELLED HARDENER	PAINT 8" HIGH	109-SG	CONC. BLOCK	108-SG	NONE	NONE	CONCRETE	WHITE-F	METAL	109-SG	LOCKERS N.I.C.
150	CORRIDOR	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC. BLOCK & GYPSUM BOARD	108-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL & WOOD	109-SG	
151	PASSAGE	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	CONC. BLOCK	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL & WOOD	109-SG	BULLETIN BOARD - RELITE TRIM -
152	DRESSING ROOM	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC. BLOCK & GYPSUM BOARD	108-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL & WOOD	109-SG	WOOD BENCHES
153	CHECK ROOM	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC. BLOCK & GYPSUM BOARD	108-SG	PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL & WOOD	109-SG	WOOD COUNTER & SHELVING
	STAIR NO. 1	CONCRETE	TROWELLED NON-SLIP	NONE	NONE	CONC. BLOCK	NONE	NONE	NONE	CONCRETE	NONE	METAL	109-SG	
(B)	STAIR NO. 2	CONCRETE	TROWELLED NON-SLIP	NONE	NONE	CONC. & GYPSUM BOARD	108-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL	109-SG	SAFETY NOSINGS
	STAIR NO. 3	CONCRETE	TROWELLED NON-SLIP	NONE	NONE	CONCRETE & RIGID INSULATION	108-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	WOOD & METAL	109-SG	SAFETY NOSINGS
	SECOND FLOOR													
201	UTILITY ROOM	CEMENT TOPPING	TROWELLED HARDENER	Wood ⑥	109-SG	** CONCRETE & GYPSUM BOARD	NONE	CEM. ASBES. BD.①	NONE	CONCRETE	NONE	METAL & WOOD	109-SG	
202	STORAGE	CEMENT TOPPING	TROWELLED HARDENER	Wood ⑥	109-SG	** CONCRETE & GYPSUM BOARD	NONE	CEM. ASBES. BD.①	NONE	CONCRETE	NONE	METAL & WOOD	109-SG	
203	MECHANICAL ROOM	CONCRETE	TROWELLED HARDENER	Wood ⑥	109-SG	** CONC. BLOCK & GYPSUM BOARD	NONE	CEM. ASBES. BD.①	NONE	CONCRETE	NONE	METAL	109-SG	
	STAIR NO. 2	CONCRETE	TROWELLED & HARDENER NON-SLIP ON TREADS	Wood ⑥	109-SG	** CONC. BLOCK & GYPSUM BOARD	108-SG	CEM. ASBES. BD.① & PAINT 4'-0" HIGH	109-SG	CONCRETE	WHITE-F	METAL & WOOD	109-SG	SAFETY NOSINGS

GENERAL NOTES:

① CEMENT ASBESTOS BOARD WAINSCOT
OCCURS ONLY AT WALLS RECEIVING INSULATED FURRING OR RIGID INSULATION AS SHOWN ON THE DRAWINGS. WAINSCOT HEIGHT SHALL BE AS DETAILED, SEE SHEET NO'S. 11, 12, 14, 16 & 18.

② PAINT COLOR NUMBERS
NUMBERS SHOWN UNDER "FINISH" IN SCHEDULE, SHALL BE AS SHOWN AND ILLUSTRATED IN AIR FORCE REGULATION NO. 89-8.
G = GLOSS
SG = SEMI-GLOSS
F = FLAT

③ CEILINGS TO BE PAINTED WHITE, UNLESS OTHERWISE SCHEDULED OR SPECIFIED.

④ EXTERIOR SURFACES OF CONCRETE BLOCKS TO BE PAINTED COLOR NO. 108.
EXTERIOR SURFACES OF CONCRETE & WOOD TRIM TO BE PAINTED COLOR NO. 109.

⑤ FOR PAINTING OF COURT STRIPES ON FLOOR OF GYMNASIUM SEE SPECIFICATIONS.

⑥ BASEBOARD @ WALLS RECEIVING CEMENT ASBESTOS WAINSCOT ONLY

⑦ INTERIOR SURFACES OF CONCRETE CEILINGS, WALLS & COLUMNS HAVE SMOOTH FINISH

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

REV.	DATE	R.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D.
B	2/23/56	Supp 1-1	21 May 56	ADDED NOTES		
A	29/6/55			Delete Reference To Folding Bleachers - Addendum #7 - May 13 '55	ERB	

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

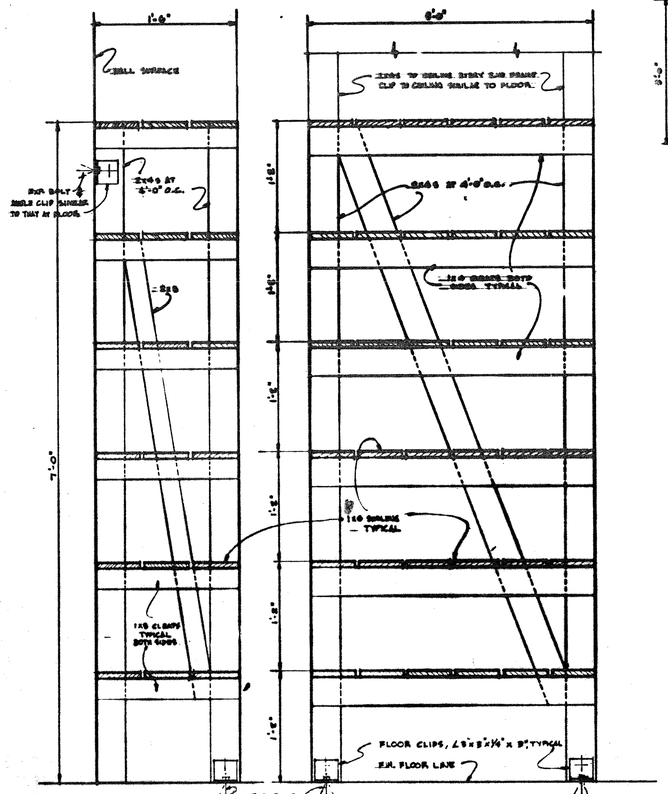
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
ROOM FINISH SCHEDULE

RECOMMENDED: PRIME CONTRACTOR
APPROVED: CHIEF ENGINEER
DATE 6/1/57
SCALE
SPEC. NO.
APPROVED
DATE
DRAWING NUMBER AF-31-13-08
SHEET 20 OF 47

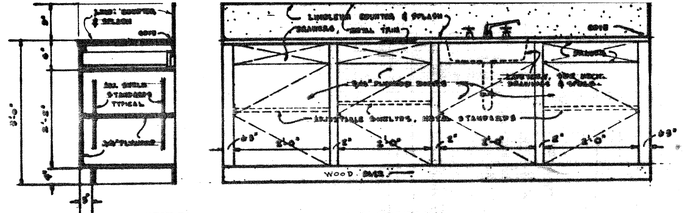
SERIAL NO. ENG. 95-507-55-52



CHECK RM. STORAGE SHELVING, TYP. SECTION AT WALL.
1½"=1'-0"

CHECK ROOM STORAGE SHELVING, TYPICAL SECTION.
1½"=1'-0"

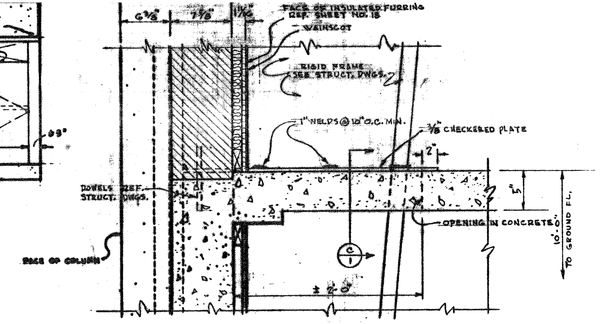
NOTE: BASKET SHELVING IN CHECK ROOM SIMILAR, SHELF SPACING TO BE DETERMINED BY EQUIPMENT.



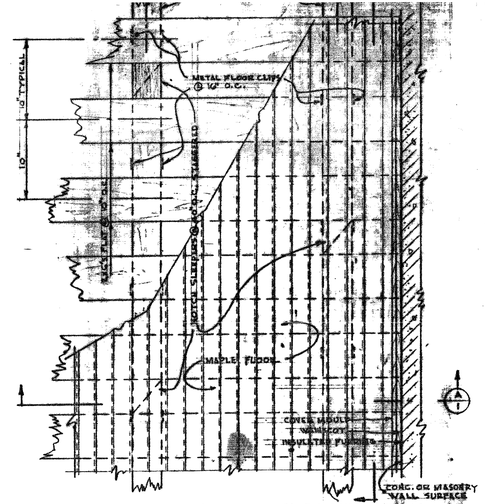
·TYPICAL SECTION·

·ELEVATION·

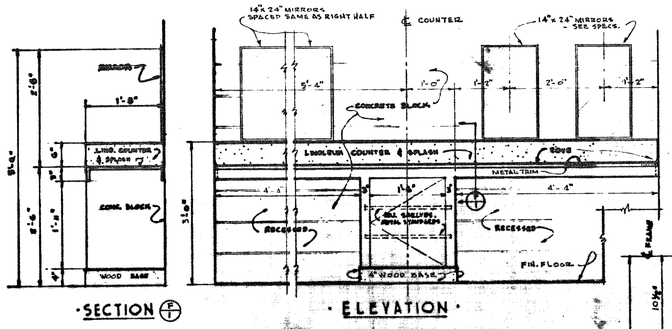
·FIRST-AID COUNTER DETAIL (E)·
SCALE: 3/4"=1'-0"



SECTION



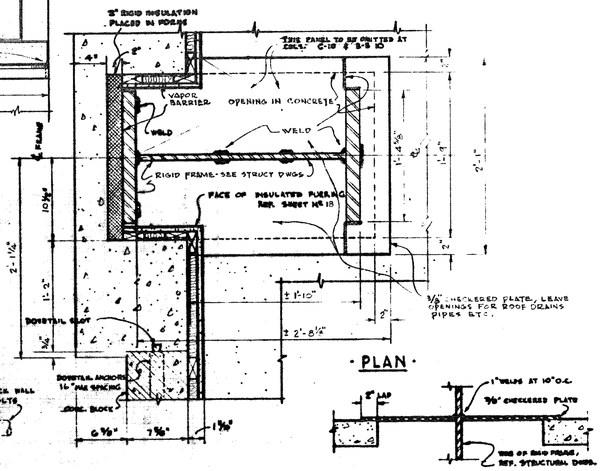
TYPICAL FLOORING LAYOUT - EXERCISE ROOM



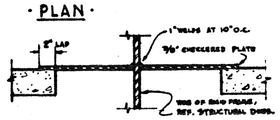
·SECTION (F)

·ELEVATION·

·POWDER ROOM COUNTER DETAIL (F)·
SCALE: 3/4"=1'-0"

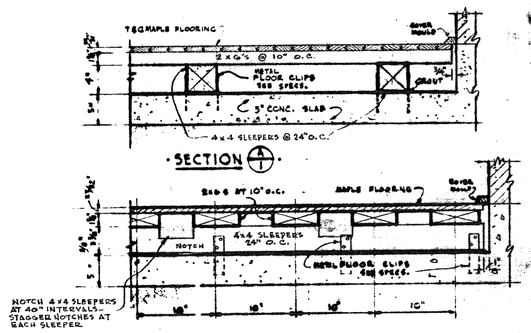


·PLAN·



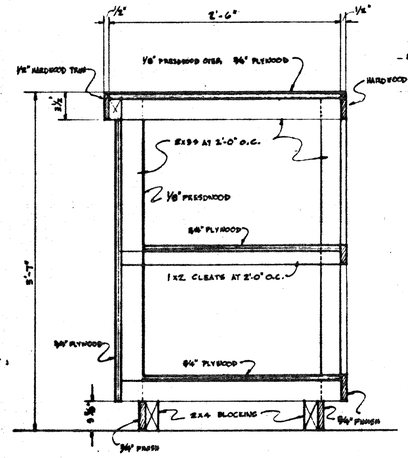
·COVER-PLATE SECTION (G)·

COVER-PLATE DETAIL (G)
SCALE: 1½"=1'-0"



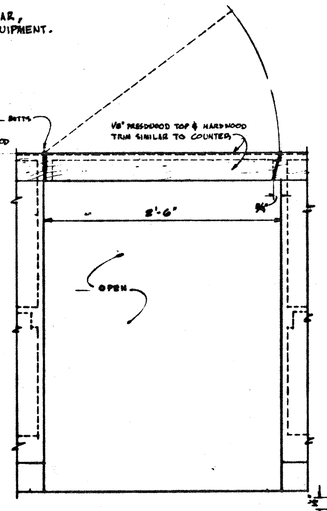
·SECTION (H)·

EXERCISE ROOM FLOOR DETAILS
SCALE: 1½"=1'-0"

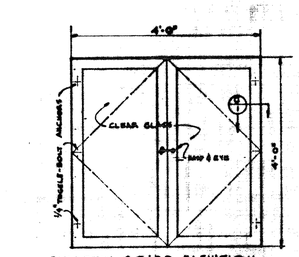


EQUIPMENT-ISSUE ROOM COUNTER DETAIL
1½"=1'-0"

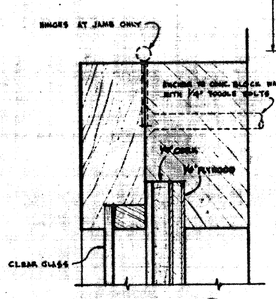
NOTE: CHECK ROOM COUNTER SIMILAR.



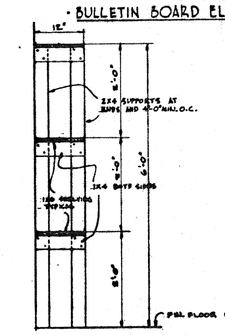
·FRONT ELEVATION TYPICAL COUNTER GATE DET.·
1½"=1'-0"



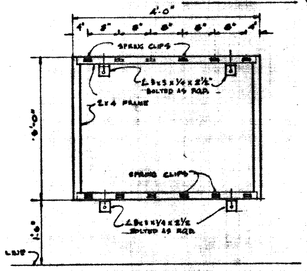
·BULLETIN BOARD ELEVATION·
1½"=1'-0"



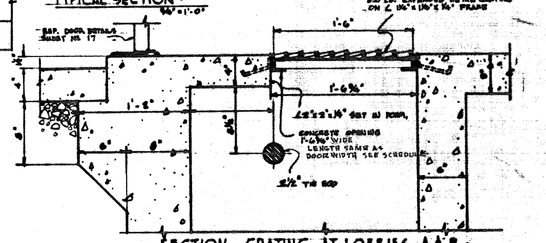
·F.S. SECTION (G)



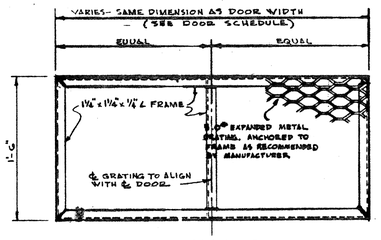
·JANITORS RM. SHELVING, TYPICAL SECTION·
3/4"=1'-0"



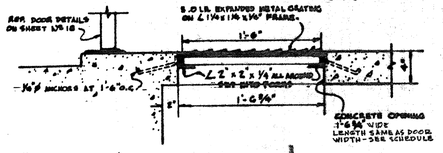
·JAN. RM. MOP RACK DETAIL· 3/4"=1'-0"



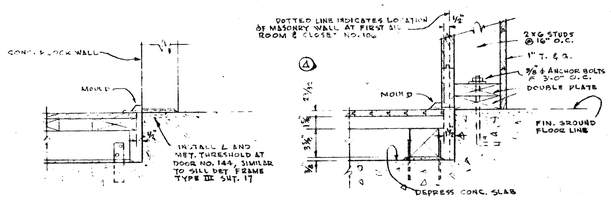
·SECTION, GRATING AT LOBBIES A & B·
1½"=1'-0"



·PLAN OF TYPICAL VESTIBULE GRATING·
1½"=1'-0"



·TYPICAL VESTIBULE GRATING·
1½"=1'-0"



EXERCISE ROOM FLOOR DETAILS
SCALE: 1½"=1'-0"

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

24 May 1957

REV	DATE	BY	ACTION	DESCRIPTION	BY	APPD
A	3/25/58			DELETED NOTE		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

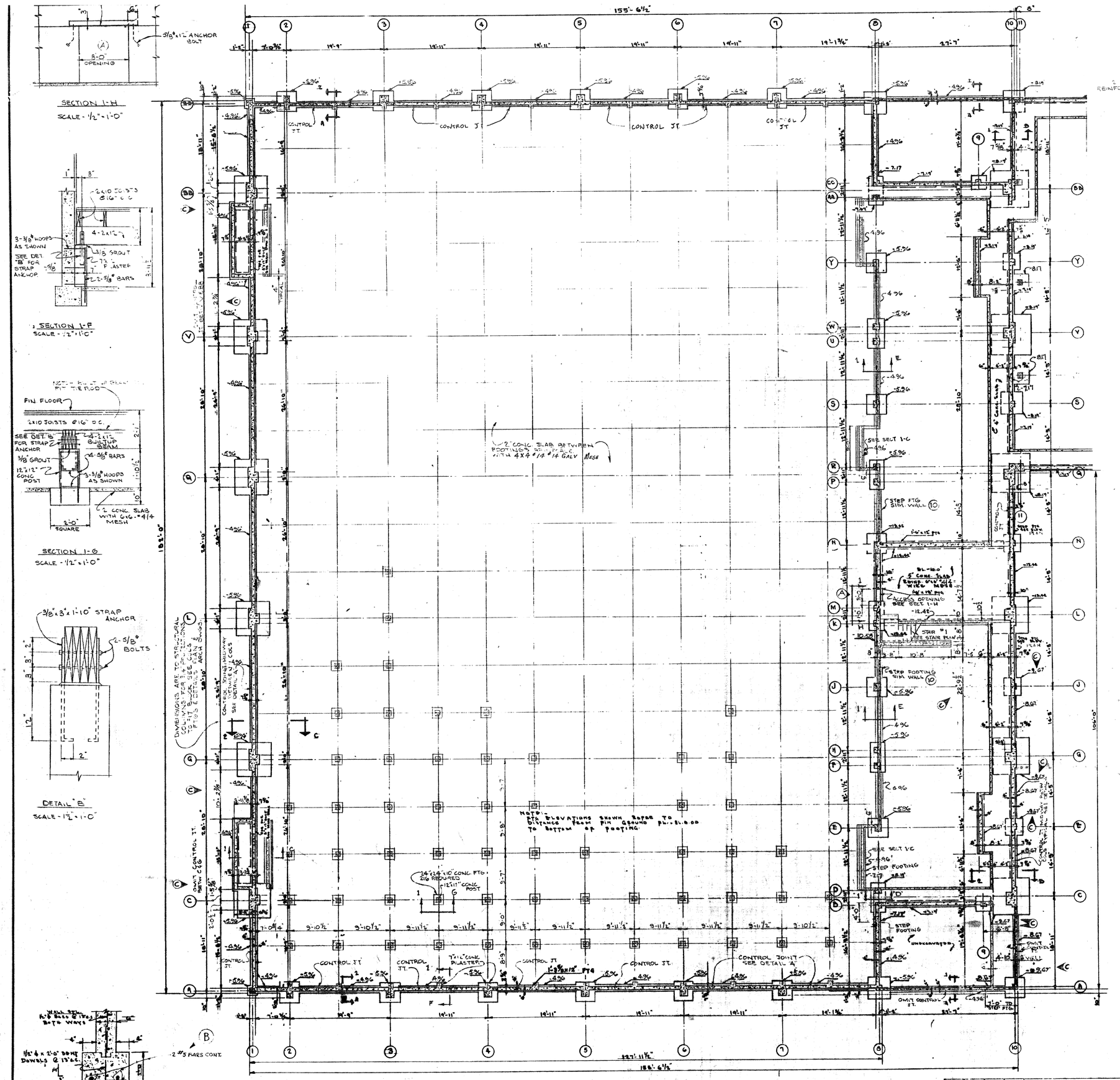
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE: 6/1/57
APPROVED:
DATE: A-13

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ARCHITECTURAL
MISCELLANEOUS DETAILS

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 21 OF 47

SERIAL NO. ENG. 95-507-55-52

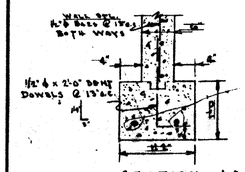


SECTION 1-H
SCALE - 1/2" = 1'-0"

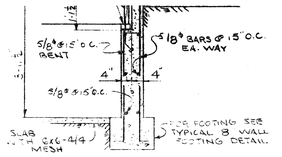
SECTION 1-F
SCALE - 1/2" = 1'-0"

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

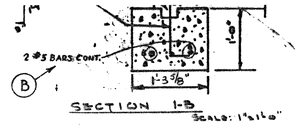
DETAIL 'B'
SCALE - 1/2" = 1'-0"



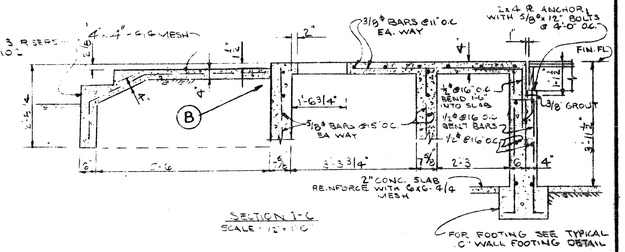
SECTION 1-A
6" PORCH WALL FTG
SCALE 1/2" = 1'-0"



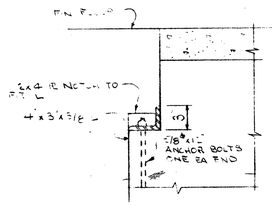
SECTION 1-E
SCALE - 1/2" = 1'-0"



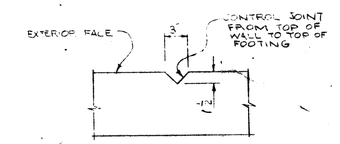
SECTION 1-B
SCALE: 1" = 1'-0"



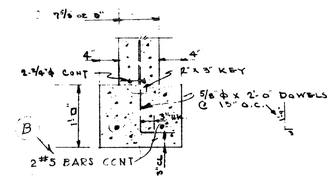
SECTION 1-C
SCALE - 1/2" = 1'-0"



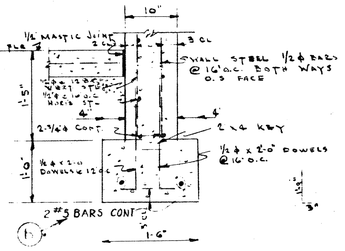
SECTION 1-D
SCALE - 1½" = 1'-0"



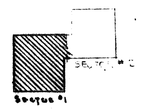
PLAN
DETAIL 'A'
WALL CONTROL JOINT
SCALE - 1½" = 1'-0"



TYPICAL FOOTING
FOR 6", 7 5/8" & 8" WALLS
SCALE 1" = 1'-0"



TYPICAL 10" BASEMENT
WALL FOOTING
SCALE 1" = 1'-0"



KEY PLAN NO SCALE

GENERAL NOTES:-

1. ALL CONCRETE CLASS B - 2500 P.S.I. COMPR. STRENGTH 28
2. REINF. STL 20000 P.S.I. TENSILE STRENGTH
3. CARRY ALL FOOTINGS TO FIRM NATURAL SOIL
4. BEARING VALUE OF SOIL ASSUMED 3000#/□'
5. SET DOWELS BEFORE POURING FOOTINGS
6. PROVIDE CORNER BARS FOR ALL WALL STL - SEE DETAILS
7. PROVIDE CONC. COVERAGE ON REINF. STL AS FOLLOWS: 3" SLABS, FOOTINGS, 3" O.S. WALLS BELOW GRADE, 2" O.S. WALLS ABOVE GRAD I.S. & O.S. 1" - SLABS ON GROUND.
8. TERMINATE REINF. STL WITHIN 3" OF O.S. FACE OF CONC
9. POUR SLABS & BEAMS IN ONE CONTINUOUS OPERATION
10. VERIFY OPNG. IN FLOOR & WALLS ON MECH. & ARCH. PLANS
11. SEE MECH. PLANS FOR GENERAL DETAILS & DIMENSIONS
12. CONTRACTOR TO VERIFY & CHECK ALL DIMENSIONS & CONDITIONS
13. FOR CONSTRUCTION JOINTS NOT OTHERWISE INDICATED SEE SPECS.
14. ALL STRUCTURAL STEEL SHALL BE STRUCTURAL GRADE F_y = 30,000 P.S.I.
15. ALL WELDING SHALL CONFORM TO THE SPECIFICATIONS OF THE AMERICAN WELDING SOCIETY & SHALL BE PERFORMED BY EXPERIENCED WELDERS USING HEAVY COATED ELECTRODES
16. WELDED CONNECTIONS SHALL BE SUFFICIENT TO DEVELOP STRENGTH OF MEMBER.
17. WIND = 30# p.s.f - SEISMIC ZONE III
18. UNLESS OTHERWISE SHOWN ALL POURED CONCRETE WALLS SHALL BE REINFORCED AS FOLLOWS:-
   6" CONC. WALLS - 1/2 ϕ @ 18" O.C. AT CTR. BOTH WAYS
   7 5/8" & 8" CONC WALLS - 5/8 ϕ @ 15" O.C. AT CTR - BOTH WAYS
   10" CONC. WALLS
   I.S. FACE - 1/2 ϕ @ 16" O.C. VERT. STL. - 1/2 ϕ @ 16" O.C. HORIZ. STL
   O.S. FACE - 5/8 ϕ @ 15" O.C. BOTH WAYS.

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

Walter P. Moore
24 May 1957

REV.	DATE	BY	ACTION	DESCRIPTION	BY	APPD.
C	23/2/56	[illegible]		CORRECTED DIMENSIONS & ELEVATIONS.		
B	10/2/53	[illegible]		ADDED LONGITUDINAL REINFORCING IN FTGS, DELETED CORBEL		
A	4/6/53			CRAWL SPACE ACCESS INCREASED IN SIZE		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR I
BASEMENT & FOUNDATION PLAN

RECOMMENDED: [illegible] CHIEF, CONSTRUCTION DIVISION
APPROVED: [illegible] RESIDENT ENGINEER
DATE 16/6/57

APPROVED
DATE

A-13

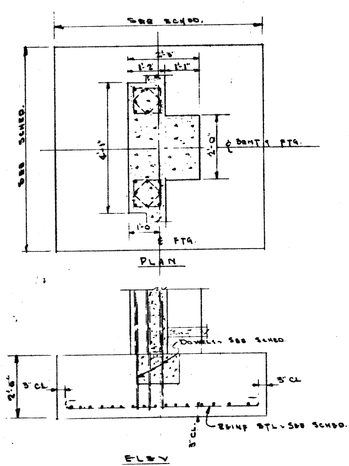
SCALE AS NOTED
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 22 OF 47

SERIAL NO. ENG. 95-507-55-52

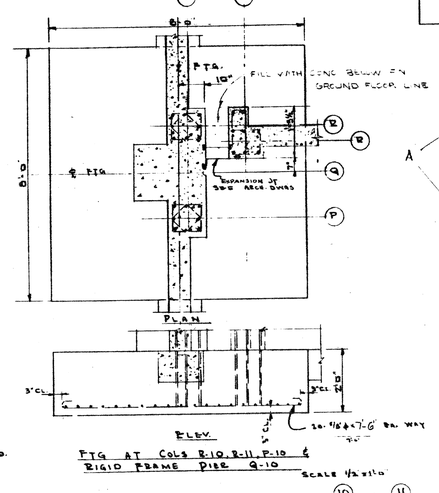
COL. UNDER	COLUMN NUMBER	A5, A6, EE5, EE6	A4, A7 EE4, EE7	A3, EE3	A2, EE2	A0, EE0
		EL. +49.50	EL. +41.25	EL. +39.00	EL. +37.00	EL. +34.00
ROOF	SIZE	18"x 24"	18"x 24"	18"x 24"	14"x 24"	14"x 14"
	CORE	14"x 20"	14"x 20"	14"x 20"	10"x 20"	10"x 10"
	VERT. STL	8-1"⌀ x 15'-6"	8-1"⌀ x 15'-8"	8-1"⌀ x 11'-0"	8-5/8"⌀ x 9'-0"	8-5/8"⌀ x 11'-0"
	HOOPING	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 12" o.c.
BALCONY	SIZE	18"x 24"	18"x 24"	18"x 24"	14"x 24"	14"x 14"
	CORE	14"x 20"	14"x 20"	14"x 20"	10"x 20"	10"x 10"
	VERT. STL	8-1"⌀ x 15'-9"	8-1"⌀ x 15'-9"	8-1"⌀ x 15'-9"	8-1 1/8"⌀ x 15'-9"	8-5/8"⌀ x 15'-11"
	HOOPING	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 12" o.c.
SPANDREL	SIZE	18"x 24"	18"x 24"	18"x 24"	14"x 24"	18"x 14"
	CORE	14"x 20"	14"x 20"	14"x 20"	10"x 20"	10"x 10"
	VERT STL	8-1"⌀ x 16'-11"	8-1"⌀ x 16'-11"	8-1"⌀ x 16'-11"	8-5/8"⌀ x 16'-11"	8-5/8"⌀ x 16'-5"
	HOOPING	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	1/2"⌀ TIES 12" o.c.
TOP OF CONC. WALL	SIZE	18"x 24"	18"x 24"	18"x 24"	14"x 24"	18"x 18"
	CORE	14"x 20"	14"x 20"	14"x 20"	10"x 20"	10"x 10"
	VERT. STL	8-1"⌀ x 10"	8-1"⌀ x 10"	8-1"⌀ x 10"	8-5/8"⌀ x 10"	8-5/8"⌀ x 10"
	HOOPING	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	3/8"⌀ TIES 16" o.c.	1/2"⌀ TIES 12" o.c.
FOOTING	DOWELS	8-1"⌀ x [illegible]	8-1"⌀ x [illegible]	8-1"⌀ x [illegible]	8-5/8"⌀ x [illegible]	8-5/8"⌀ x 8'-6"
	CAP SIZE	—	—	—	—	—
	BASE SIZE	4'-0" x 4'-0" x 2'-0"	4'-0" x 4'-0" x 2'-0"	4'-0" x 4'-0" x 2'-0"	4'-0" x 4'-0" x 2'-0"	4'-0" x 4'-0" x 2'-0"
	REINF. STL EA. WAY	NONE	NONE	NONE	NONE	NONE

COLUMN UNDER	COLUMN NUMBER	A-10, BB-10	B-1, CC-1	R-1, H-1, K1, M-1, P-1, R-1, W-1, U-1, D-1, AA-1	A-1, BB-1	BB, CC-8	E-8, J-8, S-8, Y-8	D-8, AA, H-8, P-8, R-8, U-8, W-8, AA-8	D-9, CC-9	B-10, CC-10	E-10, J-10, Y-10,	N-10	AA-10, W-10, U-10, R-10, P-10, H-10, K-10, D-10	M10, K10	M-8, K-8	N-8	BB-11, R-11	[illegible]	S-10
ROOF L=EL +53.00																			
HIGH ROOF	SIZE		16"x 16"	16"x 16"	16"x 16"	16"x 16"				16"x 16"			16"x 16"	16"x 16"					
	CORE		10"x 10"	10"x 10"	10"x 10"	10"x 10"				10"x 10"			10"x 10"	10"x 10"					
BALCONY EL. +37.00	VERT. STL		8-5/8"⌀ x 8'-9"	8-5/8"⌀ x 8'-9"	8-5/8"⌀ x 8'-9"	8-5/8"⌀ x 8'-9"				8-5/8"⌀ x 8'-9"			8-5/8"⌀ x 8'-9"	8-5/8"⌀ x 8'-9"					
	HOOPING		1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.				1/2"⌀ TIES @ 12" o.c.			1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.					
ROOF EL. +20.00																			
BALCONY OF ROOF AT +20.0 EL.	SIZE	SEE DET	16"x 16"	16"x 16"	16"x 16"	16"x 16"				16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"					16"x 16"
	CORE	SEE DET	10"x 10"	10"x 10"	10"x 10"	10"x 10"				10"x 12"	10"x 12"	10"x 12"	10"x 10"	10"x 10"					10"x 12"
	VERT. STL	8-5/8"⌀ x 9'-9"	8-5/8"⌀ x 18'-8"	8-5/8"⌀ x 18'-8"	8-5/8"⌀ x 18'-8"	8-5/8"⌀ x 18'-8"				8-5/8"⌀ x 18'-8"	8-5/8"⌀ x 16'-6"	8-5/8"⌀ x 16'-6"	8-5/8"⌀ x 18'-8"	8-5/8"⌀ x 18'-8"					8-5/8"⌀ x 16'-6"
	HOOPING	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES @ 12" o.c.				1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.					1/2"⌀ TIES @ 12" o.c.
LOW ROOF EL. +11.50 2ND FL. EL. +10.00	SIZE	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	16"x 16"	SEE DET	12"x 16"	
	CORE	10"x 10"	10"x 10"	10"x 10"	10"x 10"	10"x 10"	10"x 12"	10"x 12"	10"x 12"	10"x 10"	10"x 12"	10"x 12"	10"x 10"	10"x 10"	10"x 10"	10"x 12"	SEE DET	8"x 10"	
2ND FL. LOW ROOF	VERT. STL	8-5/8"⌀ x 17'-10"	8-5/8"⌀ x 17'-10"	8-5/8"⌀ x 17'-10"	8-5/8"⌀ x 17'-10"	8-5/8"⌀ x 17'-10"	8-5/8"⌀ x [illegible]	8-5/8"⌀ x [illegible]	8-5/8"⌀ x 15'-11"	8-5/8"⌀ x 17'-10"	8-5/8"⌀ x 17'-10"	8-5/8"⌀ x 11'-8"	8-5/8"⌀ x 11'-8"	8-5/8"⌀ x 9'-9"	8-5/8"⌀ x 9'-9"	8-5/8"⌀ x 11'-8"	8-5/8"⌀ x 11'-8"	8-5/8"⌀ x 16'-11"	8-5/8"⌀ x 18'-2"
	HOOPING	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.
GROUND FL. EL. 0.00																			
GROUND FL.	SIZE												16"x 16"		16"x 16"	16"x 16"			
	CORE												10"x 12"		10"x 10"	10"x 12"			
	VERT. STL												8-5/8"⌀ x 13'-1"		8-5/8"⌀ x 13'-1"	8-5/8"⌀ x 13'-1"			
	HOOPING												1/2"⌀ TIES @ 12" o.c.		1/2"⌀ TIES @ 12" o.c.	1/2"⌀ TIES @ 12" o.c.			
BOTT. EL. -10.00	DOWELS	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"	8-5/8"⌀ x 3'-6"			8-5/8"⌀ x 3'-
FOOTING	CAP SIZE	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—			—
	BASE SIZE	[illegible]	6'-0" x 6'-0" x 2'-0"	4'-0" x 4'-0" x 2'-0"	2'-6" x 2'-6" x 2'-0"	5'-0" x 6'-0" x 2'-0"	5'-0" x 6'-0" x 2'-0"	4'-0" x 4'-0" x 2'-0"	3'-0" x 3'-0" x 2'-0"	7'-6" x 7'-6" x 2'-0"	3'-0" x 3'-0" x 2'-0"	3'-6" x 3'-6" x 2'-0"	7'-6" x 7'-6" x 2'-0"	COMBINED 7'-6" x 7'-6" x 2'-0"	COMBINED 5'-0" x 6'-0" x 2'-0"	4'-0" x 4'-0" x 2'-0"	R-11 - SEE DET. COL. - 8'-0" x 8'-0" x 2'-0"	CC-11 - COMBINE WITH CC-10 5'-0" x 5'-0" x 2'-0"	4'-0" x 4'-
	REINF. STL EA. WAY	NONE	16-1 1/2"⌀ x 6'-0" o.c.		14-1 1/2"⌀ x 5'-5"	NONE	NONE	NONE	NONE	20-5/8"⌀ x 7'-3"	NONE	NONE		20-5/8"⌀ x 7'-3"	NONE	NONE	R-11 - SEE DET. COL. NONE	NONE	NONE

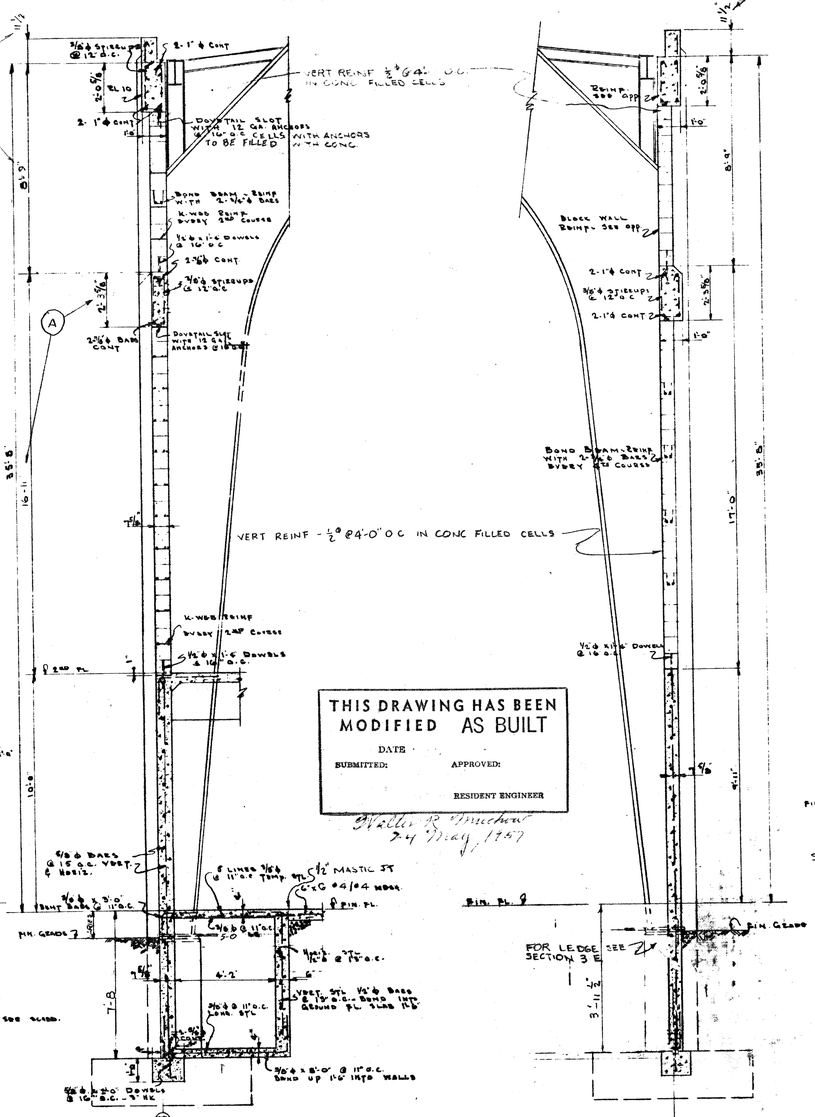
NOTE: ALL 7/8" ⌀ / 1" TO EXTEND ALL DIA. INTO THE COL. BELOW INTO THE FOOTING. ALL DOWELS [illegible] TO EXTEND [illegible] COL. BELOW DIA. INTO FOOTING. ALL DOWELS TO HAVE A [illegible] BEND [illegible] EXTENDING INTO FOOTING. ALL BENDS TO BE [illegible] ABOVE BOTTOM OF FOOTING.



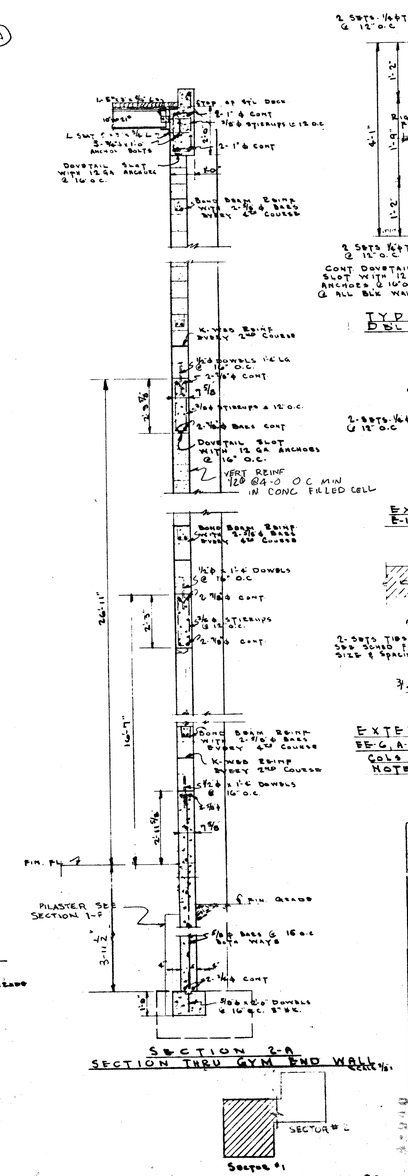
TYPICAL EXT. FOOTING AT RIGID FRAME & DBL COLS EXCEPT AT Q-10 & V-10
SCALE 1/2" = 1'-0"

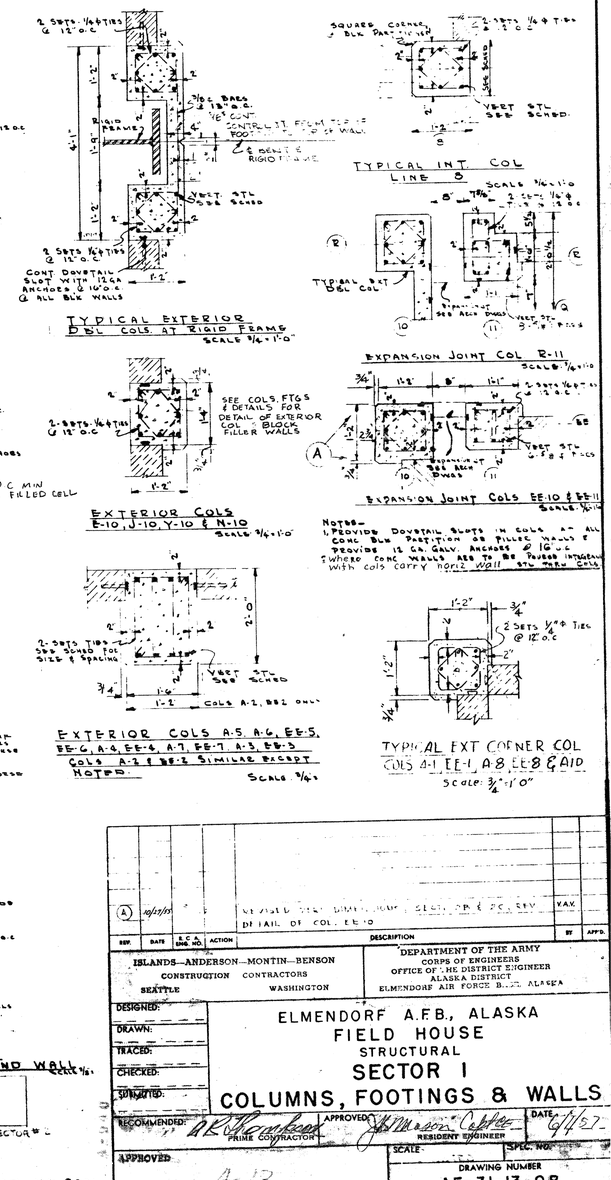


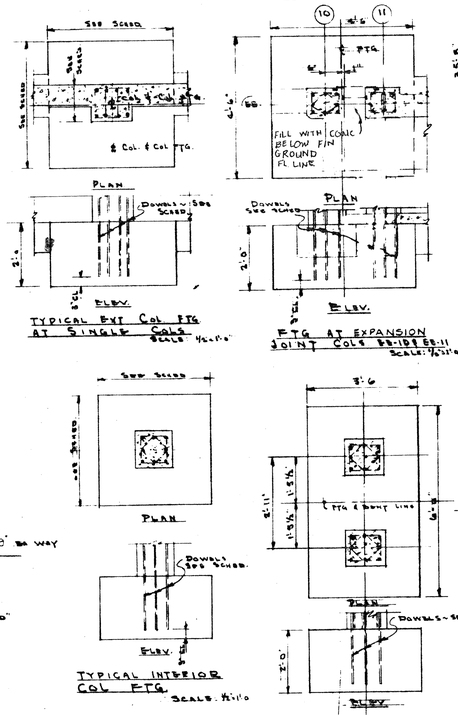
FTG AT COLS R-10, R-11, P-10 & RIGID FRAME DBL Q-10
SCALE 1/2" = 1'-0"



THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER
Walter R. Smithson
24 May 1967







REV.	DATE	A.E.A. ENG. NO.	ACTION	DESCRIPTION	BY	APPD.
A	10/27/66			REVISED DETAIL DIMENSIONS, SECTIONS & DETAILS	V.A.K.	

DETAIL OF COL. EE-10

ISLANDS—ANDERSON—MONTIN—BENSON CONSTRUCTION CONTRACTORS SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

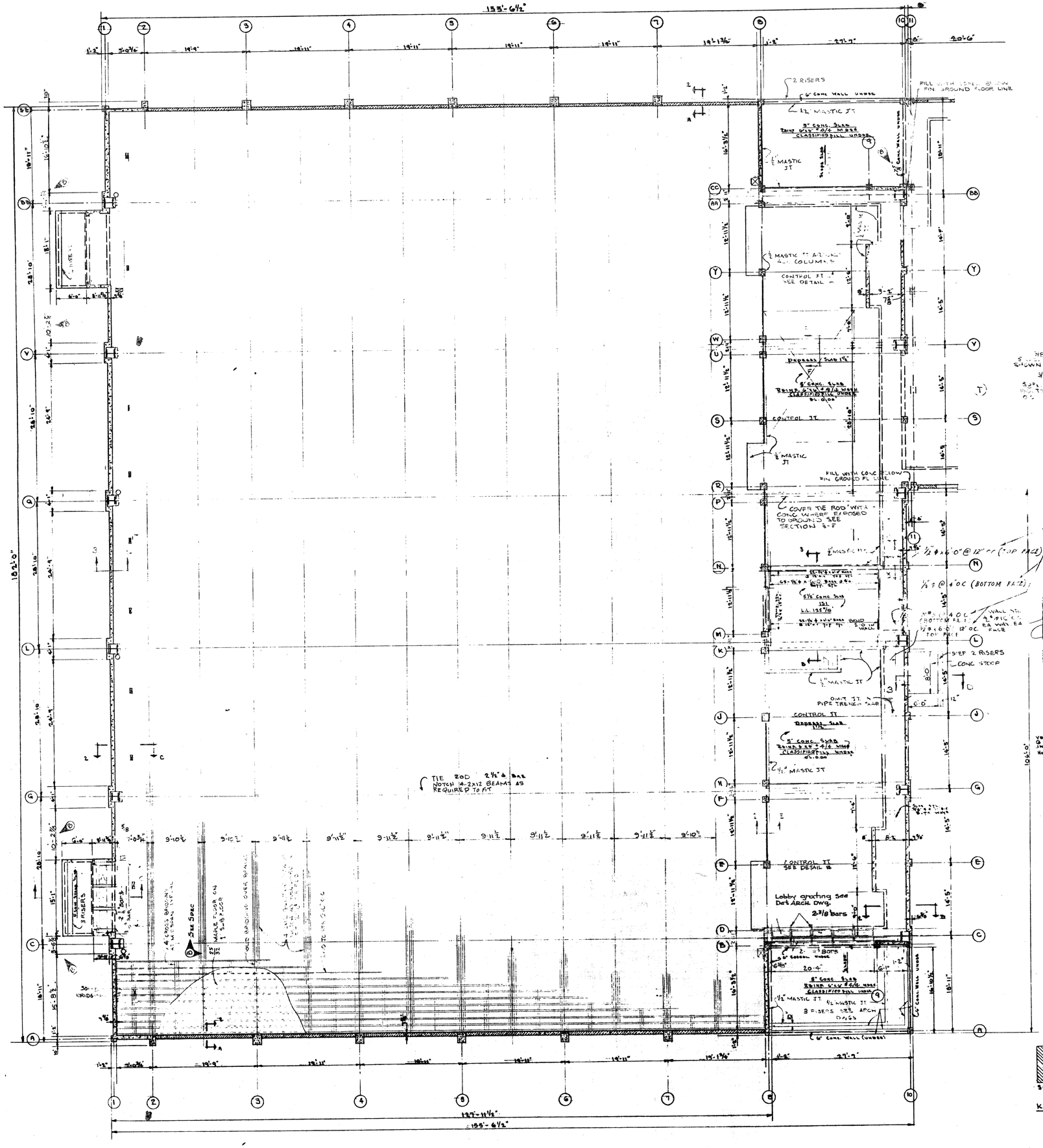
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: A.R. Thomson PRIME CONTRACTOR
APPROVED: John Mason Cutter RESIDENT ENGINEER
DATE: 6/1/67
APPROVED:
DATE
SCALE:
SPEC. NO.

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR I
COLUMNS, FOOTINGS & WALLS

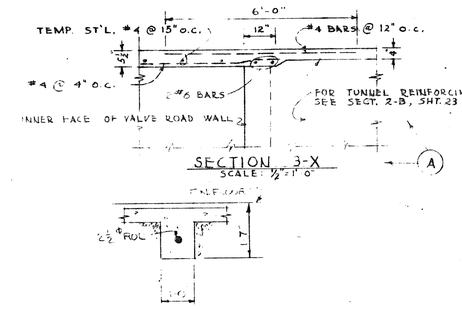
A-13

DRAWING NUMBER
AF-31-13-08
SHEET 23 OF 47

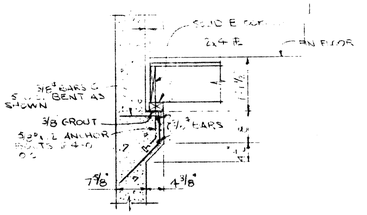
SERIAL NO. ENG. 95-507-



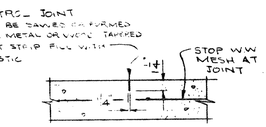
GROUND FLOOR PLAN
SCALE: 1/8" = 1'-0"



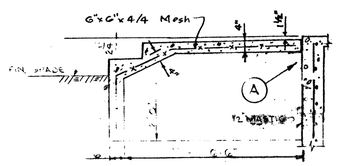
SECTION 3-X
SCALE: ½" = 1'-0"



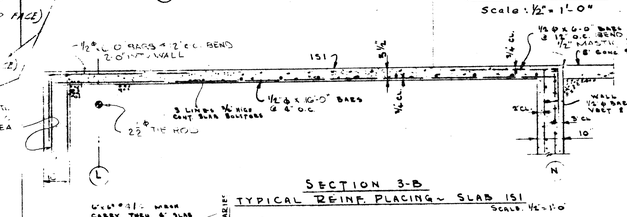
SECTION 3-E
SCALE: 1/4" = 1'-0"



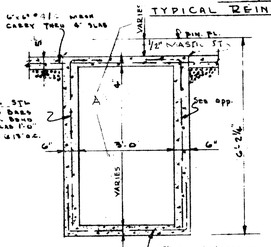
DETAIL B
FLOOR SLAB CONTROL JOINT
SCALE: 1½" = 1'-0"



SECTION 3-D
Scale: ½" = 1'-0"



SECTION 3-B
TYPICAL REINF. PLACING ~ SLAB 151
SCALE: ½" = 1'-0"



SECTION 3-C
SECTION THRU INTERIOR PIPE TRENCH
SCALE: ½" = 1'-0"

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED APPROVED
RESIDENT ENGINEER

KEY PLAN ~ NO SCALE

REV.	DATE	A.C.A. DWG. NO.	ACTION	DESCRIPTION	BY	APPR.
B	23 Jan 19			CORRECTED DIMENSIONS	WJ	[illegible]
A	19 Feb 19			ADDED REINFORCING IN PORTION OF TUNNEL VALVE ROOM	W.Y.	
				[illegible]		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

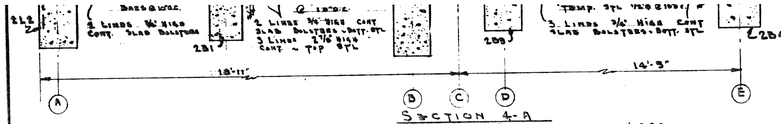
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE 6-11-62
APPROVED
DATE

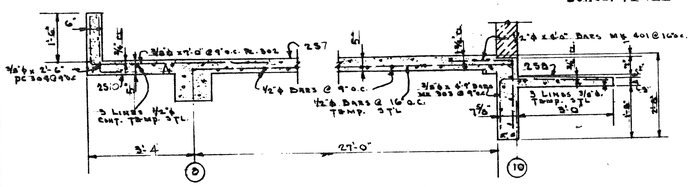
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR I
GROUND FLOOR PLAN

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 24 OF 47

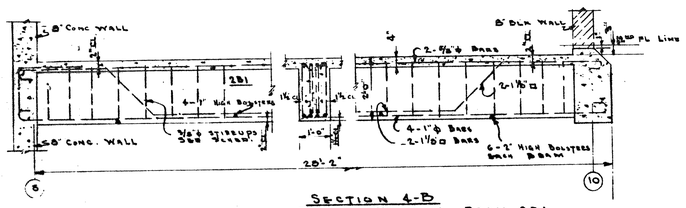
SERIAL NO. ENG. 95,507-55 52



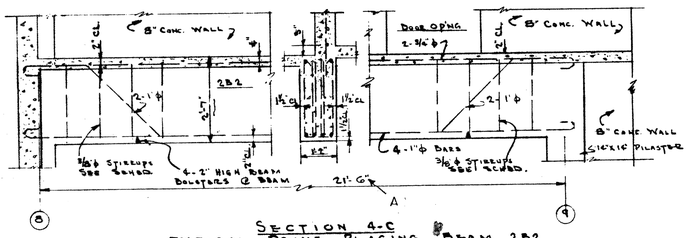
SECTION 4-A
TYPICAL REINF. PLACING - SLABS 251, 252 & 253
SLAB 254 SIMILAR TO 253
SCALE: 1/2" = 1'-0"



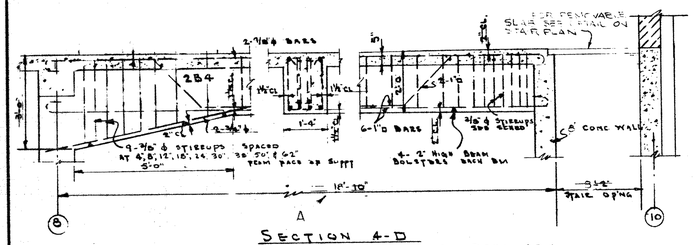
SECTION 4-E
TYPICAL REINF. PLACING SLABS 257 & 258
SCALE: 1/2" = 1'-0"



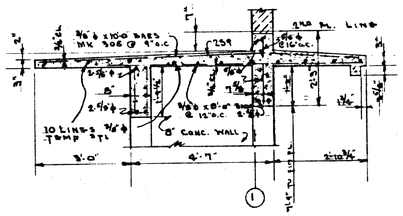
SECTION 4-B
TYPICAL REINF. PLACING BEAM 281
SCALE: 1/2" = 1'-0"



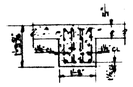
SECTION 4-C
TYPICAL REINF. PLACING BEAM 282
SCALE: 1/2" = 1'-0"



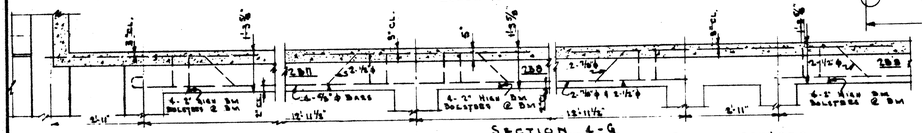
SECTION 4-D
TYPICAL REINF. PLACING BEAM 284
SCALE: 1/2" = 1'-0"



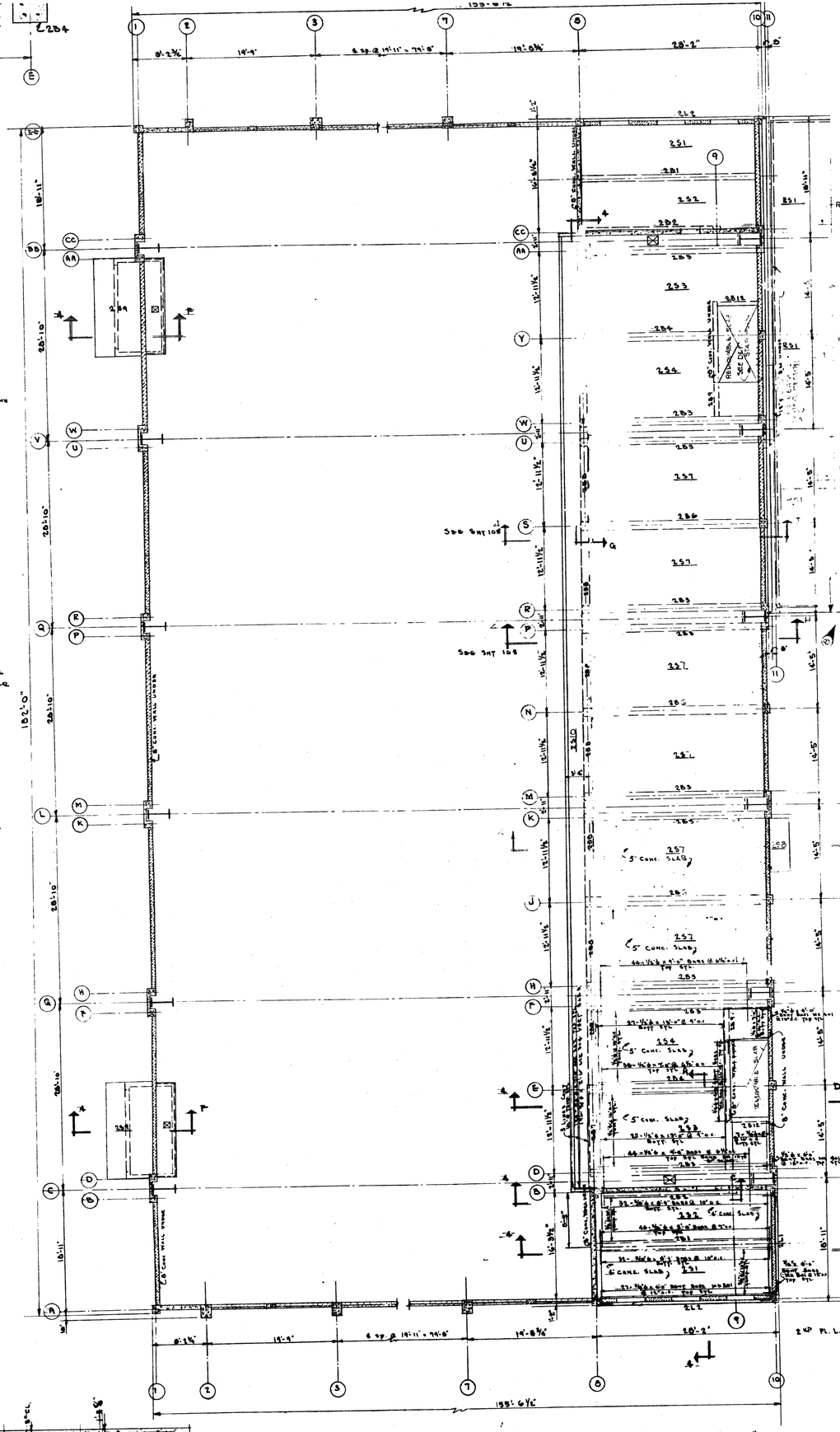
SECTION 4-F
TYPICAL REINF. PLACING SLAB 259
SCALE: 1/2" = 1'-0"



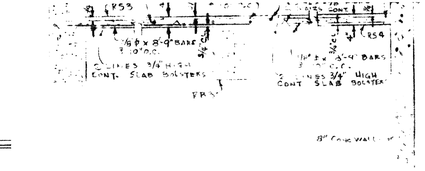
TYPICAL BEAM SECTION
BEAMS 287 & 288
SCALE: 1/2" = 1'-0"

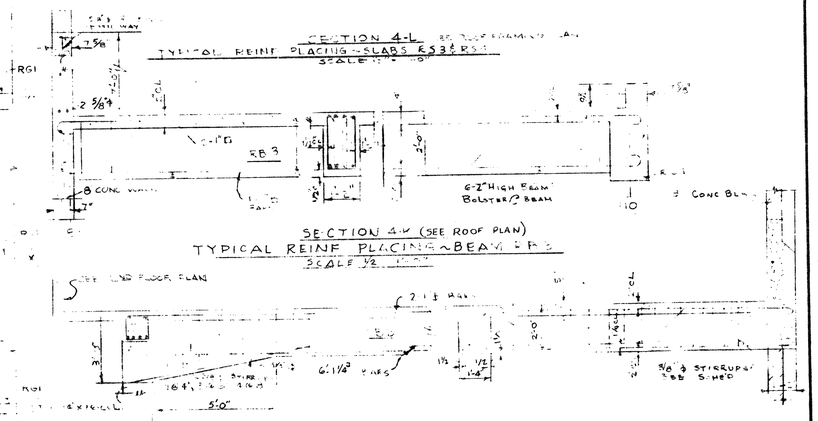


SECTION 4-G
TYPICAL REINF. PLACING - BEAMS 287 & 288
SCALE: 1/2" = 1'-0"



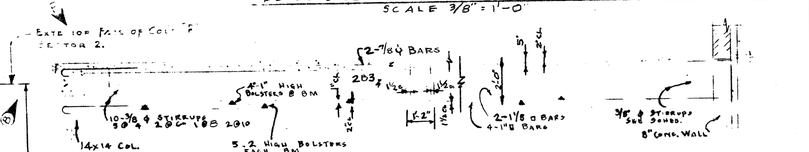
SECOND FLOOR PLAN - SECTOR #1
SCALE: 1/8" = 1'-0"



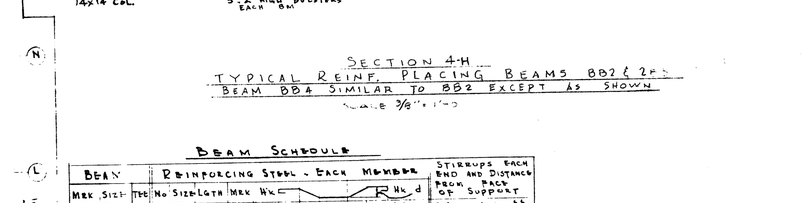


SECTION 4-L
TYPICAL REINF. PLACING - SLABS 253 & 257
SCALE: 1/2" = 1'-0"

SECTION 4-K (SEE ROOF PLAN)
TYPICAL REINF. PLACING - BEAMS RB3
SCALE: 1/2" = 1'-0"



SECTION 4-J
TYPICAL REINF. PLACING BEAMS BB1 & 2B6
BEAM BB2 SIMILAR TO BB1 EXCEPT AS NOTED IN SCHED
SCALE 3/8" = 1'-0"

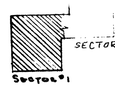


SECTION 4-H
TYPICAL REINF. PLACING BEAMS BB2 & 2B5
BEAM BB4 SIMILAR TO BB2 EXCEPT AS SHOWN
SCALE 3/8" = 1'-0"

BEAM SCHEDULE

BEAM MRK	SIZE	TYP	REINFORCING STEEL - EACH MEMBER No	SIZE	LGTH	MRK	HK	STIRRUPS EACH END AND DISTANCE BACK OF SUPPORT
281	12/24	2-4	4	1"ϕ	30'-5"	801	1'-1"	0-7"ϕ × 4'-11" @ 4"; 4"-12" @ 12"; 12"-22" @ 22"; 22"-72"
			2	1⅛"□	31'-11"	901	1'-3" 3'-6" 2'-1½"	
			2	⅞"ϕ	24'-6"	501	7'	
282	14/30/6		2	1"ϕ	24'-6"	802	1'-1"	
			2	1"ϕ	22'-2"	803	1'-1" 2'-0" 2'-3"	
			2	⅞"ϕ	23'-6"	601	8'	
283	14/26		4	1"ϕ	30'-5"	804	1'-1"	
			2	1⅛"□	32'-0"	902	1'-3" 4'-10" 2'-1½"	
			2	⅞"ϕ	24'-11"	701	10'	
284	16/2-[illegible]		4	1"ϕ	21'-7"	805	1'-1"	
			2	1"ϕ	22'-6"	806	1'-1" 2'-7" 2'-1½"	
			2	⅞"ϕ	20'-7"	702	10'	
			2	⅜"ϕ	8'-6"	5T		5'-11"ϕ up BACK - 5'-11" HOOKS
286	16/24		4	1⅛"□	31'-1"	1001	1'-5"	
			2	1⅛"□	32'-6"	1002	1'-5" 2'-10½" 2'-1"	
			2	1"ϕ	30'-5"	810	1'-1"	
			2	⅜"ϕ	8'-0"	5T		5'-11"ϕ up BACK - 5'-11" HOOKS
287	14/16⅞		2	⅞"ϕ	13'-10½"	503	7'	
			2	1⅛"□	18'-11½"	903		2'-5½" 2'-6" 1'-9½" 2'-0½"
			2	⅜"ϕ	6'-6"	5T		TOP 5'-11" BOT
288	14/15⅞		2	⅞"ϕ	24'-0½"	703		5'-5½" 1'-6" 2'-5½" 1'-9½"
			2	⅜"ϕ	14'-10"	5T		12'-10" BOT.
289	8/14		4	⅜"ϕ	6'-2"	5T		3'-11" TOP & 3'-11" BOT
2812	8/12		6	⅜"ϕ	8'-2"	505	7'	3'-11"
			2	⅞"ϕ	24'-2"	731	10'	22'-6" 10'
291	14/22		2	⅞"ϕ	35'-5"	651	8'	5'-6" 2'-1½" 13'-2" 2'-1½" 10'-10" 18'
			2	⅞"ϕ	37'-10"	652	8'	34'-2" TOP
292	14/22		2	⅞"ϕ	25'-6"	5T		25'-6"
			2	⅞"ϕ	34'-2"	653		10'-6" 2'-1½" 16'-5" 2'-1½" 16'-6" 18'
			2	⅞"ϕ	27'-6"	5T		27'-6" TOP
			2	1"ϕ	20'-8"			20'-8"
RG1	14/26		6	1"ϕ	28'-6"	836	1'-0" 8'-1" 2'-8½"	1'-11" 2'-8½" 2'-1" 33'
			2	⅞"ϕ	26'-3"	534		25'-6" 7'
			2	1"ϕ	21'-0"	5T		21'-0"
RG2	14/26		2	⅞"ϕ	31'-7"	936	7'-11" 3'-8½"	11'-6" 2'-8½" 3'-11" 33'
			2	⅜"ϕ	22'-6"	5T		22'-6" TOP

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED
RESIDENT ENGINEER



KEY PLAN - NO SCALE

REV.	DATE	A.C.E. DWG. NO.	ACTION	DESCRIPTION	BY	APP'D
B	[illegible]	[illegible]	[illegible]	[illegible]		

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

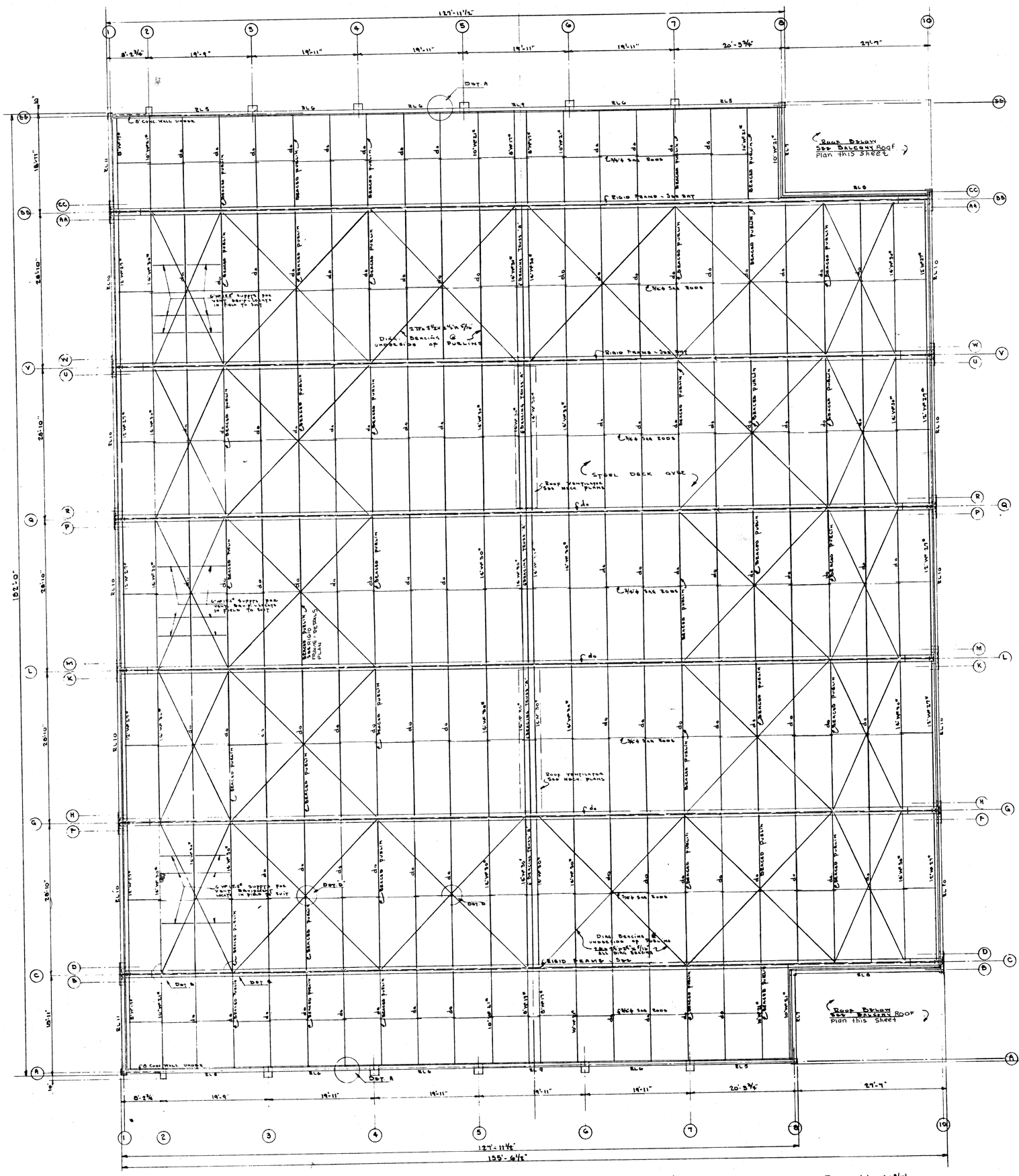
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRINCIPAL HYDRAULIC ENGR. APPROVED: J. L. Marson Capt USA DATE 6/1/62
APPROVED A-13 DATE

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR I
SECOND FLOOR PLAN

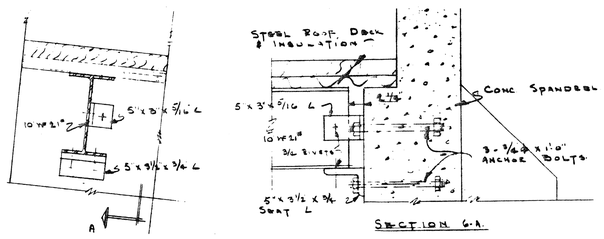
SCALE SPEC. NO.
DRAWING NUMBER AF-31-13-03
SHEET 25 OF 47

SERIAL NO. ENG. 95-507-



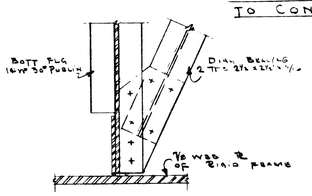
ROOF FRAMING PLAN ~ SECTOR #1
Scale: 1/8" = 1'-0"

Roof LL. 40#/□'

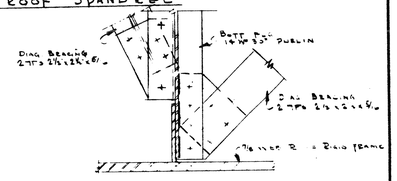


SECTION 6-A

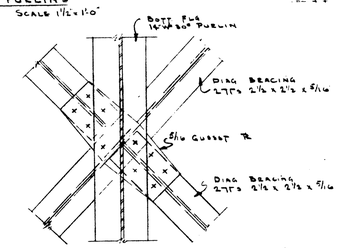
DETAIL 'A'
TYPICAL CONNECTION - PURLINS TO CONC. ROOF SPANDREL
Scale 1½" = 1'-0"



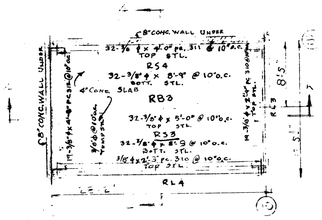
DETAIL 'B'
PLAN SECTION AT BOTT. FLG OF PURLINS
Scale 1½" = 1'-0"



DETAIL 'C'
PLAN SECTION AT BOTT. FLG OF PURLINS
Scale 1½" = 1'-0"



DETAIL 'D'
PLAN SECTION AT BOTT. FLG OF PURLINS
Scale 1½" = 1'-0"



BALCONY ROOF PLAN
Scale 1/8" = 1'-0"

NOTES:-
1. WELDED CONNECTIONS MAY BE USED INSTEAD OF RIVETED CONNECTIONS SHOWN PROVIDING WELDING IS ADEQUATE TO DEVELOP FULL STRENGTH OF MEMBERS
2. STRUCTURAL STEEL - f_s = 20,000 p.s.i.
3. PROVIDE INITIAL TENSION OF 5000#/□" IN ALL DIAGONAL BRACING MEMBERS.

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

KEY PLAN ~ NO SCALE

REV	DATE	R.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D

ISLANDS - ANDERSON - MONTIN - BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

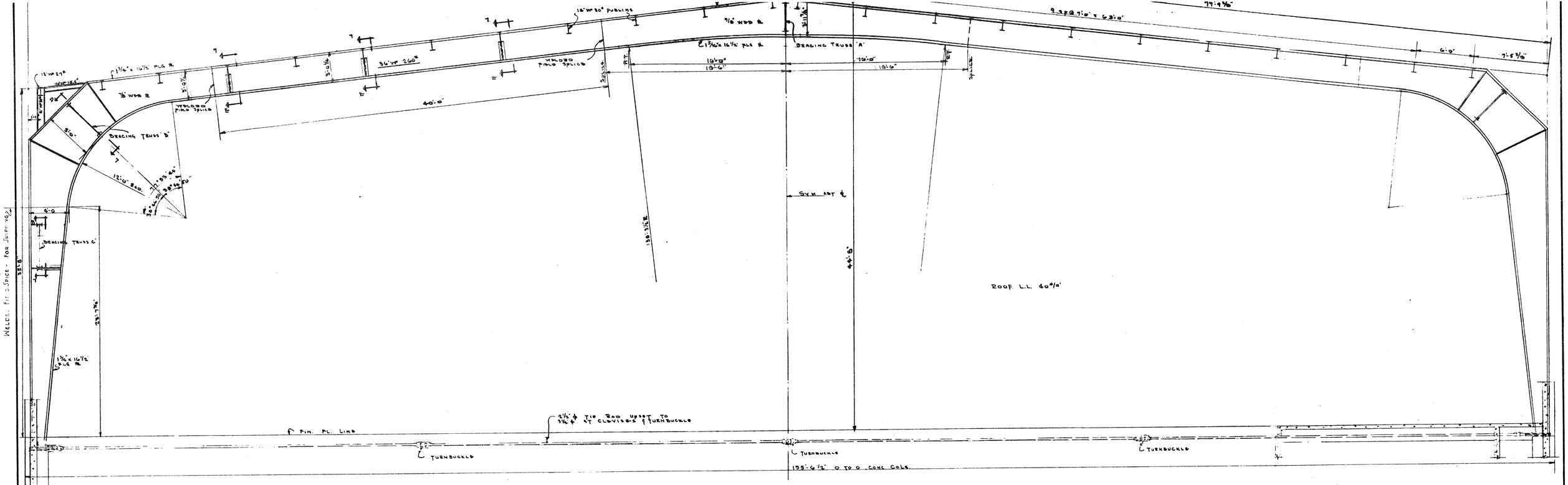
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR I
ROOF FRAMING PLAN

RECOMMENDED: [signature] PRIME CONTRACTOR
APPROVED: [signature] RESIDENT ENGINEER
DATE: 6/15/57

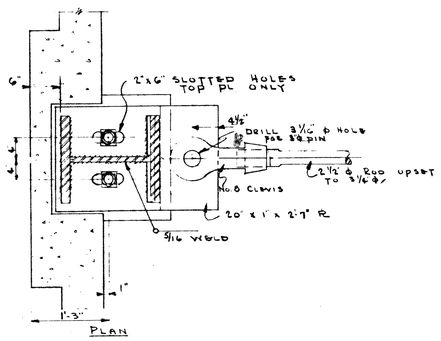
APPROVED
DATE
A-13

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 26 OF 47

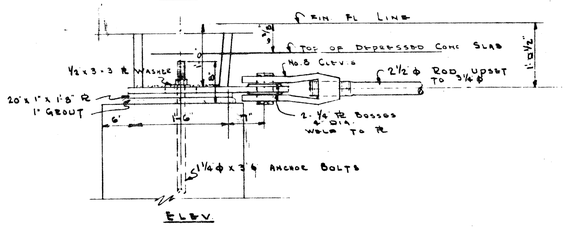
SERIAL NO. ENG. 95-507-55 5



TYPICAL RIGID FRAME SCALE 1/16" = 1'-0"

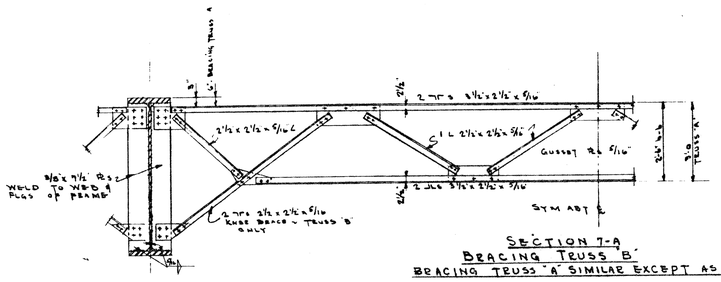


PLAN

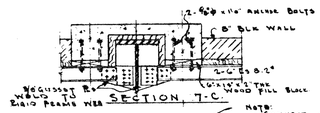


ELEV.

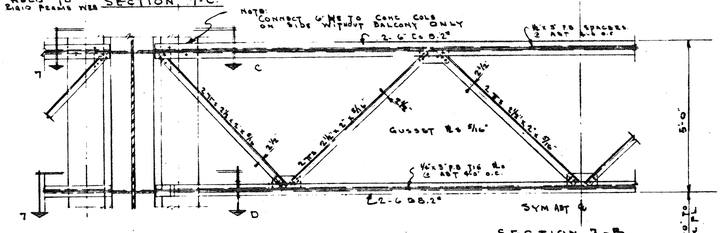
RIGID FRAME BASE DETAIL
SCALE: 1" = 1'-0"



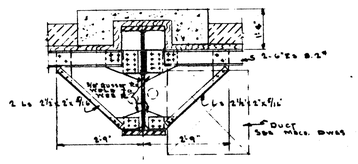
SECTION 7-A
BRACING TRUSS 'B'
BRACING TRUSS 'A' SIMILAR EXCEPT AS NOTED
SCALE: 1/2" = 1'-0"



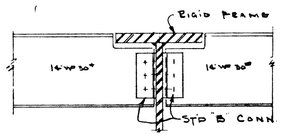
SECTION 7-C



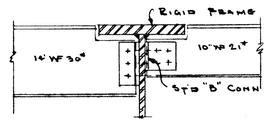
SECTION 7-B
BRACING TRUSS 'C'
SCALE: 1/2" = 1'-0"



SECTION 7-D
SCALE: 1/2" = 1'-0"



TYPICAL 14" WF 30# PURLIN
CONNECTION TO RIGID FRAME
EXCEPT AT KNEE BRACED PURLINS
SCALE 1" = 1'-0"



TYPICAL 10" WF 21# PURLIN
CONNECTION TO RIGID FRAME
EXCEPT AT KNEE-BRACED PURLINS
SCALE: 1" = 1'-0"

NOTES:-
1. 2 1/2" ϕ TIE RODS SHALL BE SET & ADJUSTED PERFECTLY LEVEL BEFORE POURING CONCRETE AROUND THEM. THEY TO SHOW 5000# TENSION.
2. WELDED ⊥ SECTION MAY BE SUBSTITUTED FOR 36" WF 260# ROLLED SECTION PROVIDED EQUIVALENT DEPTH & SECTION MODULUS IS DEVELOPED.
3. RIGID FRAMES SHALL BE ENTIRELY WELDED & STEEL USED SHALL MEET FEDERAL SPECIFICATIONS QQ-S-741, GRADE B, TYPE 2
4. RIVETS OR FITTED BOLTS - 3/64 ϕ OPEN HOLES 1 3/64 ϕ
5. WELDED CONNECTIONS MAY BE USED INSTEAD OF RIVETED CONNECTIONS SHOWN PROVIDED WELDING IS ADEQUATE TO DEVELOP STRENGTH OF MEMBERS TO

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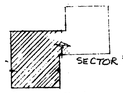
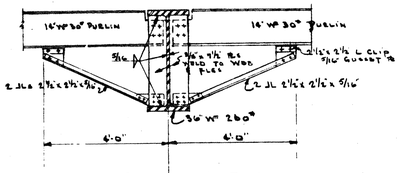
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER



KEY PLAN
NO SCALE



SECTION 7-E
TYPICAL KNEE-BRACED PURLIN
SCALE 1/2" = 1'-0"

REV.	DATE	E.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D.
Δ	4/2/56		AS-BUILT		WJ	

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

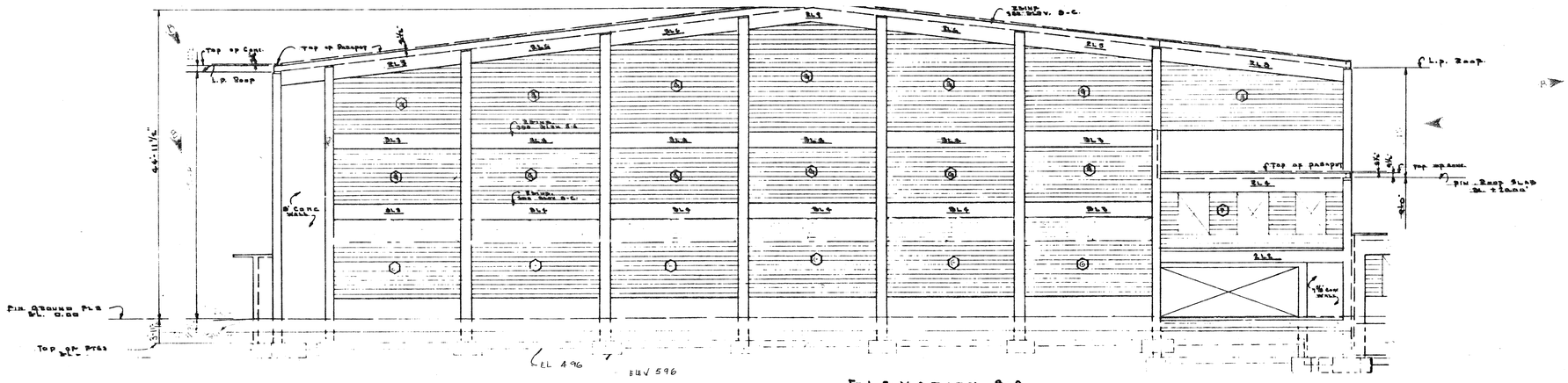
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
RIGID FRAME & DETAILS

RECOMMENDED: PRIME CONTRACTOR
APPROVED: RESIDENT ENGINEER
DATE 5/1/52

APPROVED
DATE 7-1-52

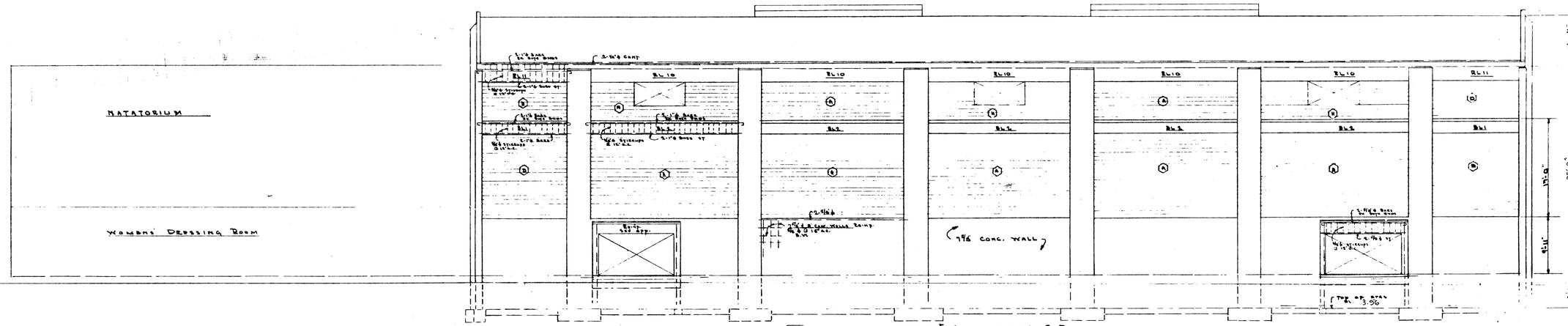
SCALE AS NOTED
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 27 OF 47

SERIAL NO. ENG. 95-507-55-52

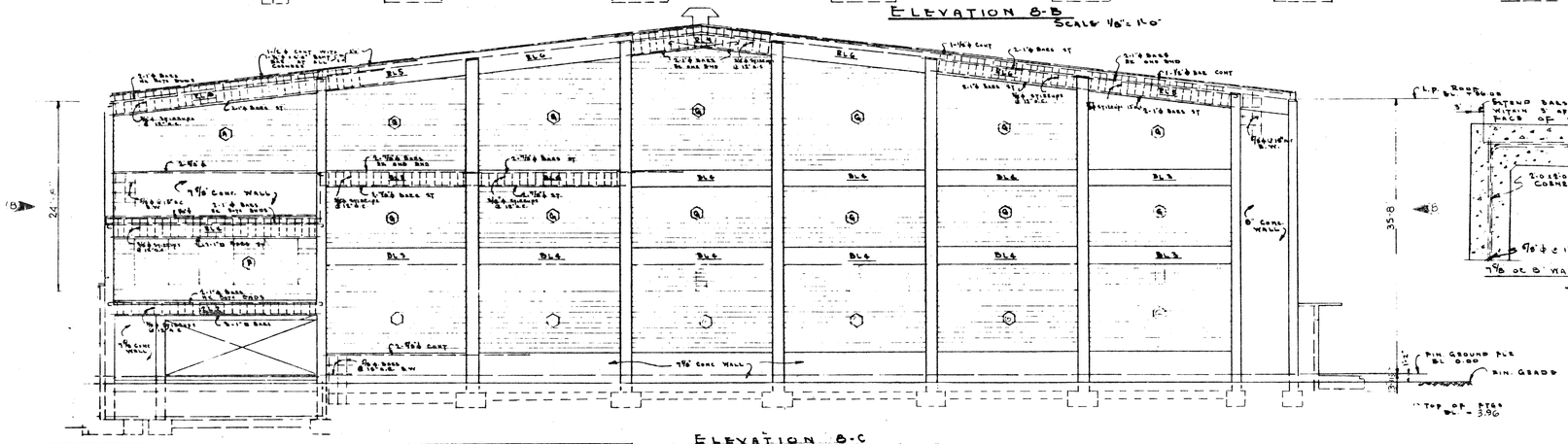


ELEVATION 8-A
SCALE: 1/8" = 1'-0"

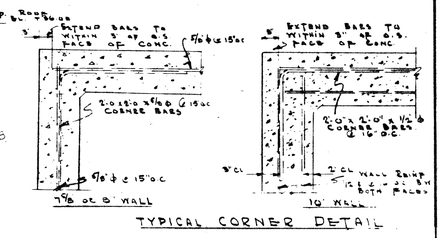
A	K-BAR EVERY 2ND COURSE	EVERY 4TH COURSE	2-5/8 ϕ BARS	NONE
B	K-BAR & 1-3/16 ϕ C.D. WIRE ON I.S. FACE EVERY 2ND COURSE	NONE	NONE	NONE
D	K-BAR & 1-7/16 ϕ C.D. WIRE ON I.S. FACE - EVERY 2ND COURSE	NONE	NONE	NONE
E	K-BAR EVERY 2ND COURSE	NONE	NONE	1-1/2 ϕ BAR
F	K-BAR EVERY 2ND COURSE	AT WINDOW SILL	2-5/8 ϕ BARS	1-1/2 ϕ BAR
G	K-BAR EVERY 2ND COURSE	EVERY 4TH COURSE	2-5/8 ϕ BARS	NONE
H	K-BAR EVERY 2ND COURSE	WINDOW SILL & EVERY 4TH COURSE	2-5/8 ϕ BARS	1-1/2 ϕ BAR
INTERIOR PARTITIONS	K-BAR EVERY 2ND COURSE	LINTEL OVER OPENINGS	2-1/2 ϕ x 1'-4" + OPG. WIDTH	1-1/2 ϕ



ELEVATION 8-B
SCALE 1/8" = 1'-0"



ELEVATION 8-C
SCALE 1/8" = 1'-0"



TYPICAL CORNER DETAIL

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

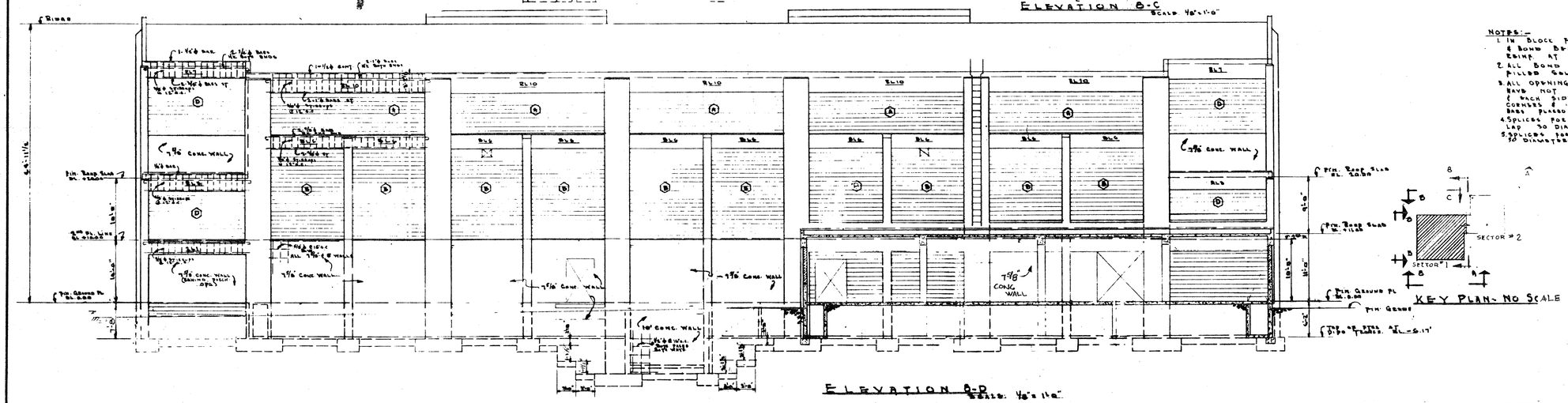
SUBMITTED

APPROVED

RESIDENT ENGINEER

NOTES:-

1. IN BLOCK FILLER WALLS WHERE K-BAR & BOND BEAMS COINCIDE ELIMINATE K REINF. AT THAT COURSE.
2. ALL BOND BEAMS & JAMB BLOCKS FILLED SOLID WITH [illegible] - SEE [illegible]
3. ALL OPENINGS IN CONCRETE WALLS SHA[illegible] HAVE NOT LESS THAN 2-5/8 ϕ AT TOP & EACH SIDE EXTENDING 30 DIAMETERS [illegible] CORNERS & IN ADDITION SHALL HAVE 2-5/8 [illegible] BARS PLACED DIAGONALLY AT EACH CORN[illegible]
4. SPLICES FOR ALL HORIZ. & VERT. WALL STL LAP 30 DIAMETERS
5. SPLICES FOR SPANDREL BEAM TOP STL TO 50 DIAMETERS.



ELEVATION 8-D
SCALE: 1/8" = 1'-0"

KEY PLAN - NO SCALE

REV.	DATE	RCA NO.	ACTION	DESCRIPTION	BY	APPD.
A	30-4-55			Deleted Alternate Note - Addendum No 4 - 9 May 1955	RRB	

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

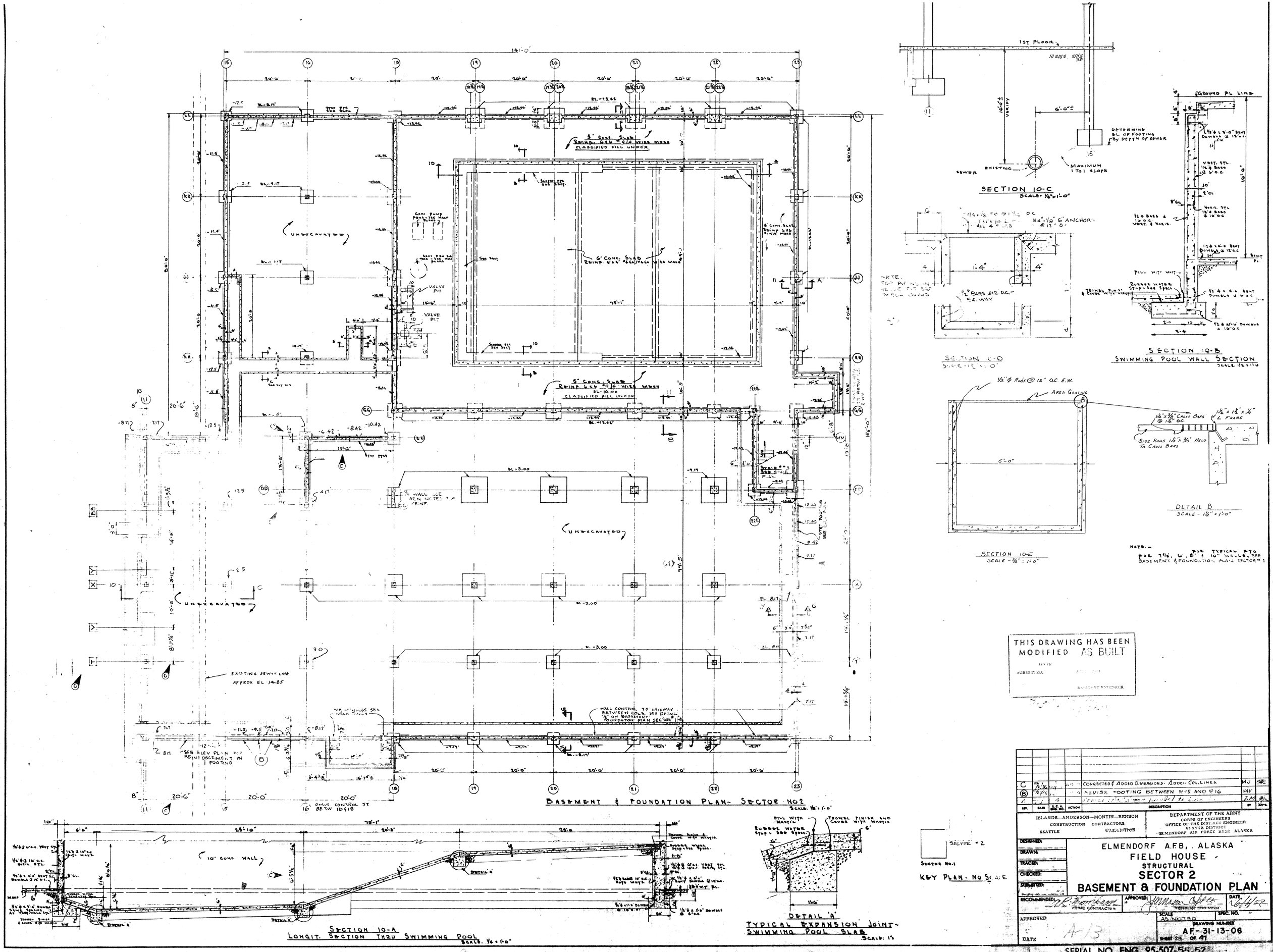
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR I
ELEVATIONS

RECOMMENDED: [signature] PRIME CONTRACTOR
APPROVED: [signature] RESIDENT ENGINEER
DATE: 6/1/57

APPROVED: A-13
DATE

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 28 OF 49

SERIAL NO. ENG. 95-507-

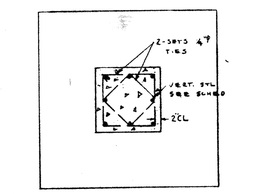


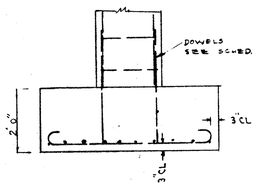
BASEMENT & FOUNDATION PLAN- SECTOR NO 2
SECTION 10-A
LONGIT. SECTION THRU SWIMMING POOL
DETAIL 'A'
TYPICAL EXPANSION JOINT- SWIMMING POOL SLAB
SECTION 10-C
SECTION 10-D
SECTION 10-B
SWIMMING POOL WALL SECTION
SECTION 10-E
DETAIL B
KEY PLAN - NO SCALE
THIS DRAWING HAS BEEN MODIFIED AS BUILT
CORRECTED & ADDED DIMENSIONS- ADDED COL. LINES.
REVISE FOOTING BETWEEN R15 AND R16
ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE ALASKA
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2
BASEMENT & FOUNDATION PLAN
DRAWING NUMBER
AF-31-13-06
SHEET 25 OF 47
SERIAL NO. ENG. 95-507-55-52

COLUMN & FOOTING SCHEDULE - SECTOR NO. 2

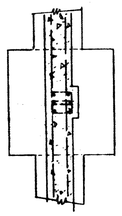
COLUMN UNDER	COLUMN NUMBER	X 23,	LL-13¾, 19½, LL-19¾, LL-20¾, LL 20¾, LL-21¾, LL 21¾, LL22¾	CC 16	CC-18	EE-16	X 14	EE 15	DD 23	DD 22½	GG 19, 20, 21, GG 20	DD 18	GG 22½	GG 23	KK 24	KK 19, JJ 18, HH 18	KK 23, JJ 23, HH 23	CC 19, DD 20, EE 21, DD 22	GG 18	GG-22	X 19, X 20, X-21, X 22	X 16				LL 18	LL 23
HIGH ROOF AT ROOF AT 22'-0 EL	SIZE		12x12 / 8x8	12x14 / 8x10	12x14 / 8"x10"	12x12 / 8x8	12x14 / 8x8	12x12 / 8x8	14x14 / 12x12				12x14 / 8x8	12x14 / 8x8		12x12 / 8x8	12x14 / 8x8		14x14 / 14x16	14x14 / 5x11		12x12 / 8x8				12x14 / 8x8	12x12 / 8x8
	CORE		6-5/8 x 25-0						10 #4 49" x 15'-6" INCL. BAR-E TE				6-5/8 x 25-0			4-1¼ x 9'-3"	4-1¼ x 9'-3"					4-5/8 x 10'-9"				6-5/8 x 9'-0"	6-5/8 x 9'-0"
	VERT STL		4-5/8 x 10'-5"	4-5/8 x 10'-5"	4-5/8 x 10'-5"	4-1¼, 24'-9	9-5/8 x 10'-5"									¼ @ 12	¼ @ 12					¼ Ties @ 12				¼ @ 12	¼ @ 12
	HOOPING		¼ @ 12	¼ TIES @ 12"	¼ @ 12		¼ Ties @ 12"																				
2ND FL OR ROOF AT EL 45	SIZE	105x 12 x 18 / 8x 14	20 12x12 / 8x8	74 12x14 / 8x10	49 12x14 / 8x10	WALL		22 12x12 / 8x8	73 12x14 / 8x10	28x 14x14 / 8"x8"		12x14 / 8x10	25 12x14 / 8x10	38 12x14 / 8x8	12x12 / 8x8	67 12x12 / 8x8	42 12x14 / 8x8	18x18 / H x 4			148 18x18 / 14x14	48 12x12 / 8x8			38 12x14 / 8x8	24 12x12 / 8x8
	CORE	4-1¼ x 19'-10"	6-5/8 x 24-6"	4-3/8 x 21'-2"	4-5/8 x 12'-10"			6-5/8 x 12'-8"	4-5/8 x 12'-8"	4-5/8 x 13'-9"		6-5/8 x 14'-2"	4-5/8 x 9-7	6-5/8 x 11-8	4-5/8 x 10'-6"	4-1¼ x 27'-6"	4-1¼ x 25'-0"	4-1¼ x 15'-10"	1¼ x 10'-3"		4-1¼ x 15'-10"	4-5/8 x 18-10				6-5/8 x 24-0	6-5/8 x 24-0
	VERT STL											¼ Ties @ 12	¼ Ties @ 12	¼ @ 12		¼ @ 12	¼ @ 12	3/8 @ 16"			3/8 @ 16	¼ Ties @ 12				¼ @ 12	¼ @ 12
	Hooping	3/8 @ 16"	¼ @ 12	¼ @ 12	¼ @ 12"			¼ Ties @ 12"	¼ Ties @ 12"										1¼ @ 12"								
GROUND FLOOR	SIZE		114 24 x 42 / 20 x 38					12 x 12 / 8 x 8	79 12 x 14 / 8 x 10	41x 14 x 14 / 8 x 8	200x 24 x 24 / 20 x 20		27 12x14 / 8 x 10	65 12 x 14 / 8 x 8	27 / 8 x 8	67 12 x 12 / 8 x 8	42 12 x 14 / 8 x 8		35 14 x 14 / 10 x 10	180 24 x 24 / 20 x 20						36 12 x 14 / 8 x 8	36 12 x 12 / 8 x 8
	CORE		6 5/8 x 16'-0" / 2 5/8 x 11'-4"					6 - 5/8 x 10'-5	4-5/8 x 13-9	4-5/8 x 13'-1"	DOWELS		4-5/8 x 13-1	6-5/8 x 13-1	4-5/8 x 13-1	4-1¼ x 14'-1"	4-1¼ x 17'-0"		6-5/8 x 15'-1"	DOWELS						6-5/8 x 16-3	6-5/8 x 16-3
	VERT STL							¼ @ 12	¼ TIES @ 12"	¼ TIES @ 12"	2 SETS - ¼ TIES @ 12		¼ + @ 12"	¼ + @ 12	¼ + @ 12	¼ Ties @ 12	¼ @ 12		¼ Ties @ 12	2-SETS TIES						¼ x 12	¼ x 12
	Hooping		SEE DET SH. 5																6-5/8 + x 3'-6"	8-¼ + x 8-2	8-¾ x 3'-9"	4-5/8 x 3'-0				6-5/8 x 3'-0	6-5/8 x 3'-0
FOOTING	DOWELS	4-1¼ x 5'-1	8-5/8 x 3'-6"	4-¾ x 3'-3"	4-5/8 x 3'-3"	4-5/8 x 3'-3"		6-5/8 x 3'	4-5/8 x 3'	4-5/8 x 3'	8-5/8 x 5' 1-5 INTVL	6-5/8 x 3'-6"	4-5/8 x 3'-6"	6-5/8 x 3'-6"		8-5/8 x 3'-6"	6-5/8 x 3'-6"										
	CAP SIZE																									3'-3 x 3'-3 x 2'-0	3'-3 x 3'-3 x 2'-0
	BASE SIZE	5'-0 x 5'-0 x 2'-0"	5'-6 x 5'-0 x 2'-0"	4'-8 x 4'-8 x 2'-0"	4'-0 x 4'-0 x 2'-0"	3'-3 x 3'-3 x 2'-0"	10 x 5'-0 x 2'-0		4'-6 x 4'-6 x 2'-0	3'-6 x 3'-6 x 2'-0	6'-6 x 6'-6 x 2'-0	5'-0 x 5'-0 x 2'-0	2'-6 x 2'-6 x 2'-0	3'-6 x 3'-6 x 2'-0	NONE	4'-0 x 5'-0 x 2'-0"	5'-3 x 5'-3 x 2'-0		3'-6 x 3'-6 x 2'-0	6'-5 x 5'-5 x 2'-0	5'-5 x 5'-5 x 2'-0	3'-3 x 3'-3 x 2'-0				NONE	NONE
	REINF. STL EA WAY		NONE	NONE	NONE				NONE	NONE	14 - #6	10 - 12", 4-6	NONE	NONE		NONE	NONE			14-½ + x 5'-3 / 5-3	13-½ + x 5'-3 / 5-3							

COLUMN UNDER	COLUMN NUMBER		R-18,	T-19, T-20, T21 T-22	T-18,		EE 15	LL-15	KK 16, JJ 16,	7 6		R 22	R 15, R 16	R 19, R 20, R 21, R 22, HH-15, JJ 15,	CC-15, X-15 T-15		HH-16	T 23	KK 18, LL-16
LOW ROOF	SIZE		12" x 14" / 8" x 10"	12" x 12" / 8" x 8"	12" x 12" / 8" x 8"		38 13" x 14" / 8" x 10"	22	54 12" x 12" / 8" x 8"	59 14" x 14" / 10" x 10"		20 13x13 / 9x9	45 12" x 14" / 8" x 10"	39 12" x 14" / 8" x 10"	72 16" x 16" / 10" x 10"		54 12" x 12" / 8" x 8"	12x18 / 8x14	38 12" x 14" / 8" x 10"
	CORE		6-5/8 + x 17'-0"	6-5/8 + x	6-5/8 + x		6-5/8 + x	6-5/8 + x	6-5/8 + x 12'-0	8-5/8 + x 12'-0		6-5/8 + x 17'-0	6-5/8 + x	6-5/8 + x	8-5/8 + x		6-5/8 + x 17'-0	4-7/8 x 17'-0	6-5/8 + x
	VERT STL		¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c		¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c		¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c	¼ + Ties @ 12" o.c		¼ + Ties @ 12" o.c	3/8" Ties @ 12" o.c	¼ + Ties @ 12" o.c
	Hooping		6-5/8 + x 3'-6"	6-5/8 + x 3'-6"	6-5/8 + x 3'-6"		6-5/8 + x 3'-6"	6-5/8 + x 3'-6"	6-5/8 + x 3'-6"	8-5/8 + x 3'-6"		6-5/8 x 3'-6"	6-5/8 + x 3'-6"	6-5/8 + x 3'-6"	8-5/8 + x 3'-6"		6-5/8 + x 3'-6"	4-7/8 x 3'-6"	6-5/8 + x 3'-6"
FOOTING	DOWELS																		
	CAP SIZE																		3'-3 x 3'-3 x 2'-0
	BASE SIZE		2'-6 x 2'-6 x 2'-0"	3'-3 x 3'-3 x 2'-0"	3'-6 x 3'-6 x 2'-0"		3'-0 x 3'-0 x 2'-0"	2'-3 x 2'-3 x 2'-0"	3'-3 x 3'-3 x 2'-0"	3'-6 x 3'-6 x 2'-0"		2'-6 x 2'-6 x 2'-0"	3'-3 x 3'-3 x 2'-0"	3'-6 x 3'-6 x 2'-0"	4'-0 x 4'-0 x 2'-0"		3'-3 x 3'-3 x 2'-0"	3'-6 x 3'-6 x 2'-0"	3'-0 x 3'-0 x 2'-0"
	REINF. STL EA WAY		NONE	NONE	NONE		NONE	NONE	NONE	NONE		NONE	NONE	NONE	NONE		NONE	NONE	NONE

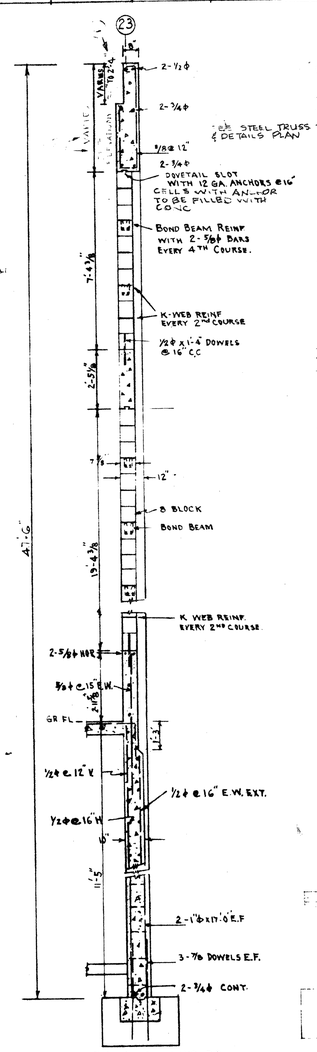




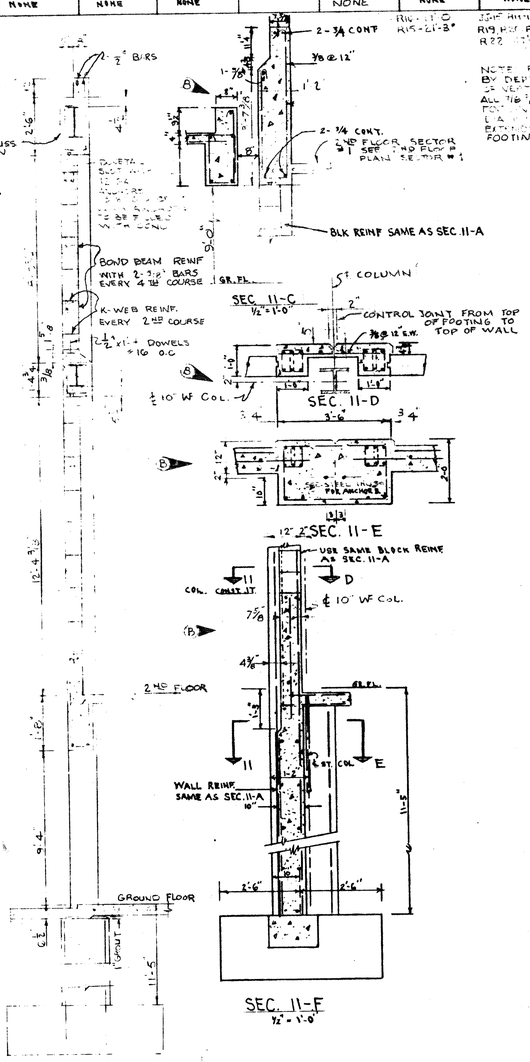
TYPICAL REINFORCED FOOTING
1/2" = 1'-0"



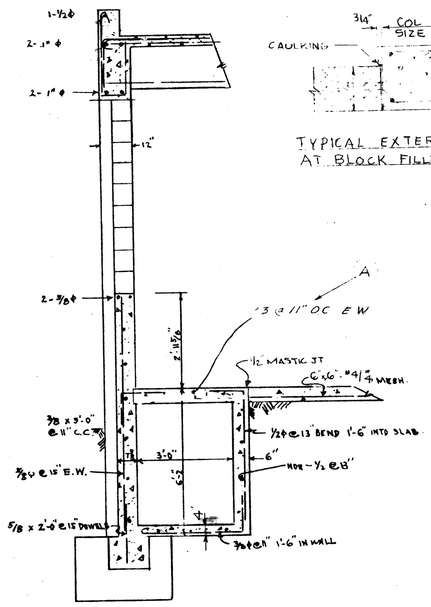
FOOTING KK/23
1/2" = 1'-0"



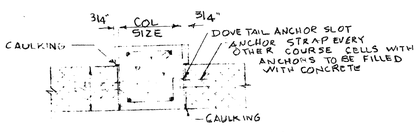
SEC 11-A LINE 23
19' SPAN TYP. BLOCK REINF. 1/8" = 1'-0"



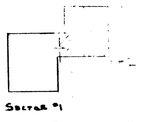
SEC 11-B
3/8" = 1'-0"



SEC. 11-G
1/2" = 1'-0"



TYPICAL EXTERIOR COLUMN AT BLOCK FILLER WALLS
SCALE 1" = 1'-0"



SECTOR #1
KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

REV	DATE	BY	CHK'D	ACTION	DESCRIPTION	BY	APP'D

ISLANDS - ANDERSON - MONTIN - BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

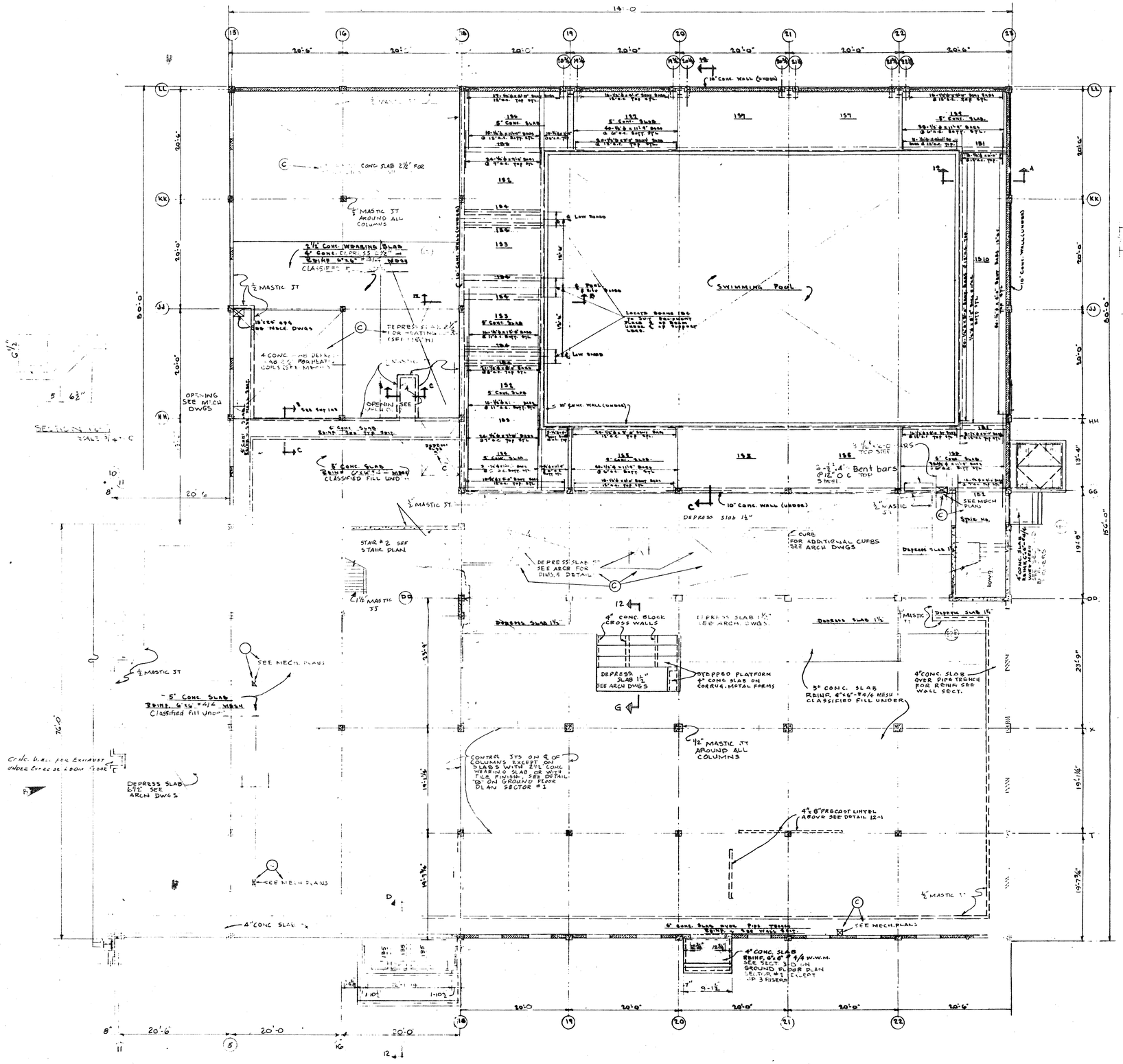
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED
CHECKED:
SUBMITTED
RECOMMENDED
APPROVED
APPROVED
DATE

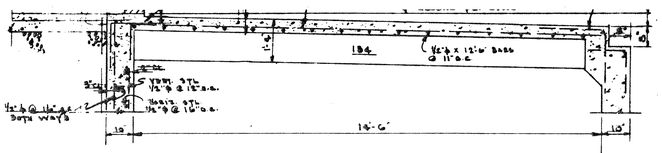
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2
COLUMNS, FOOTINGS & WALLS

DATE 6/4/57
SCALE
SPEC. NO.
DRAWING NUMBER
AF-31-13-08
SHEET 30 OF 47

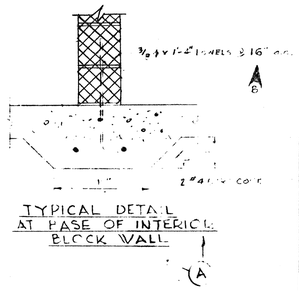
SERIAL NO. ENG. 95-507



GROUND FLOOR PLAN ~ SECTOR NO. 2
SCALE: 1/8" = 1'-0"



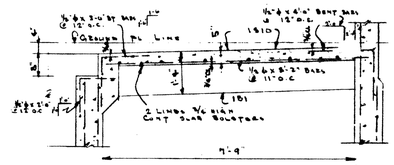
SECTION 12-B
SECTION THRU SLAB 183
SCALE 1/2" = 1'-0"



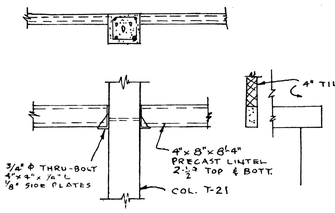
TYPICAL DETAIL AT BASE OF INTERIOR BLOCK WALL

BEAM SCHEDULE

BEAM			REINFORCING STEEL EACH MEMBER								STIRRUPS EACH END AND DISTANCE FROM FACE OF SUPPORT
MEK	SIZE	TYP	NO	SIZE	LGTH	MEK	NO				
181	10/16		2	⅝"ϕ	9'-11"	565	7	8'-8"	7		5-½"ϕ @ 5'-0" & 4-12"
			2	⅝"ϕ	9'-6"	504	7	8'-2"	7		
182	12/16		2	⅝"ϕ	12'-2"	661	8	10'-10"	8		6-½"ϕ @ 5'-0" & 4-12"
			2	⅝"ϕ	12'-0"	563	7	10'-10"	7		
183	10/20		2	1"ϕ	17'-10"	860	11	15'-8"	11		8-½"ϕ @ 4'-0" & 4-12, 22, 32, 42"
			2	⅝"ϕ	16'-8"	660	8	15'-2" TOP	8		
184	12/16		2	1"ϕ	17'-10"	860	11	15'-8"	11		8-½"ϕ @ 5'-0" & 4-12"
			2	⅝"ϕ	16'-2"	542	7	15'-2" TOP	7		
185	[illegible]		4	[illegible]	[illegible]	360	[illegible]	[illegible]	[illegible]		
			4	[illegible]	[illegible]	506	[illegible]	[illegible] TOP	[illegible]		

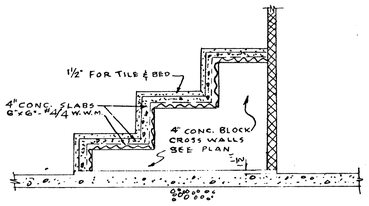


SECTION 12-A
SECTION THRU SLAB 1810
SCALE 1/2" = 1'-0"



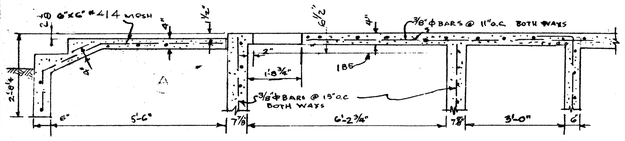
DETAIL 12-1
PRECAST LINTELS OVER CHECKROOM DOORS
SCALE: 1/2" = 1'-0"

NOTES:-
1. ALL SLAB & BEAM STEEL SHALL BE RIGIDLY SUPPORTED USING CONCRETE BAILING BLOCKS OR OTHER APPROVED METHODS.
2. SLABS 152 TO 1810 INCL. TO HAVE TEMPERATURE REINF. OF ½"ϕ BARS @ 12" O.C. PLACED NORMAL TO MAIN REINF. LAP 30 DIA. AT SPLICES. PROVIDE ½"ϕ x 4'-0" BENT BARS @ 12" O.C. AT WALLS.
3. ALL OPENINGS IN SLABS OVER 18" SQUARE SHALL BE REINFORCED AT EACH SIDE AND DIAGONALLY AT CORNERS WITH 2 BARS OF SAME SIZE AS MAIN REINF., EXTEND 30 DIA. PAST THE OPENINGS.

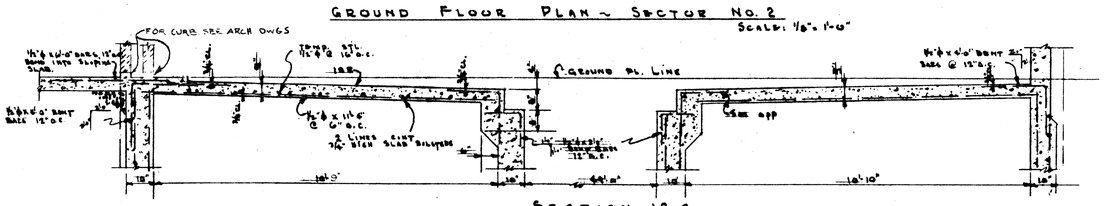


SECTION 12-G
SCALE: 1/2" = 1'-0"

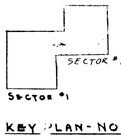
THIS DRAWING HAS BEEN MODIFIED AS BUILT



SECTION 12-D
Scale: 1/2" = 1'-0"



SECTION 12-C
SECTION THRU SLABS 135 & 137
SCALE: 1/2" = 1'-0"



KEY PLAN - NO SCALE

REV.	DATE	B.C.A. SPEC. NO.	ACTION	DESCRIPTION	BY	APPD.
C	1JUN56	9 Sup'l-C		INDICATED & REVISED SLAB DEPRESSIONS & OPENINGS	R.T.	[illegible]
B				ADDED CONC. WALL FOR EXHAUST - CORRUGATED DECK O.C. DIM.	W.V.	[illegible]
A				DELETE CONNECTS. TO 1-12-D; REVISE SLAB UNDER TYP. BLOCK WALL	W.A.V.	

ISLAND—ANDERSON—MORTIN—SENSON
CONSTRUCTION CONTRACTORS
SEATTLE

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2
GROUND FLOOR PLAN

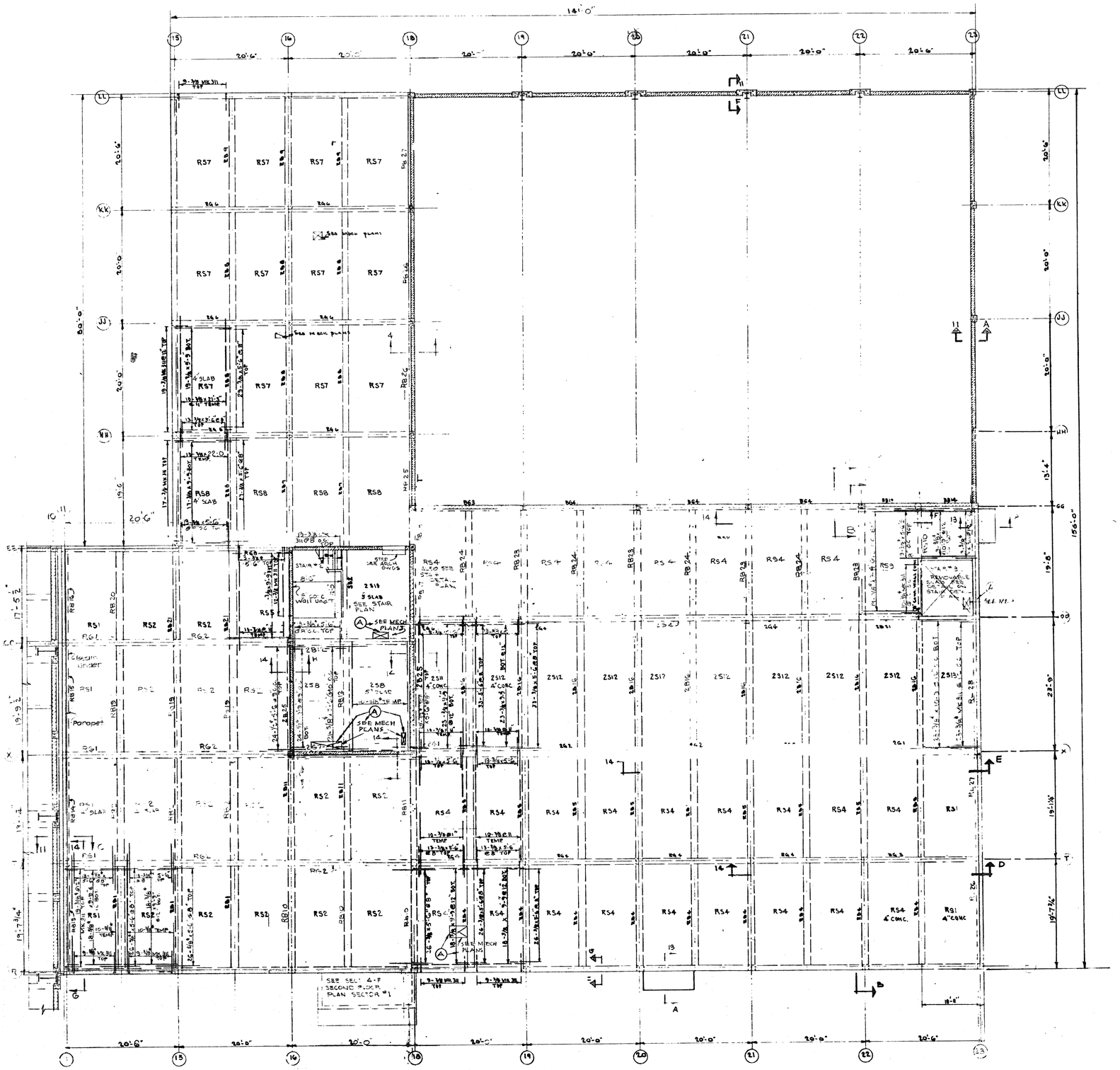
RECOMMENDED: R. K. Sensen, PRIME CONTRACTOR
APPROVED: J. H. Wesson Office, RESIDENT ENGINEER
DATE: 6 Apr 57

APPROVED:
DATE:

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 31 OF 41

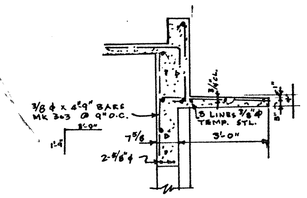
A-13

SERIAL NO. ENG. 95-507-55-52



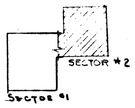
SECOND FLOOR PLAN ~ SECTOR NO. 2
SCALE: 1/8" = 1'-0"

ROOF L.L. = 40#/□'
SECOND FL. L.L. = 60#/□'



SECTION 13-A
SECTION THRU CANOPY
SCALE 1/2" = 1'-0"

FOR REINFORCEMENT AROUND OPENINGS SEE GROUND FLOOR PLAN SECTOR #2



THIS DRAWING HAS BEEN MODIFIED

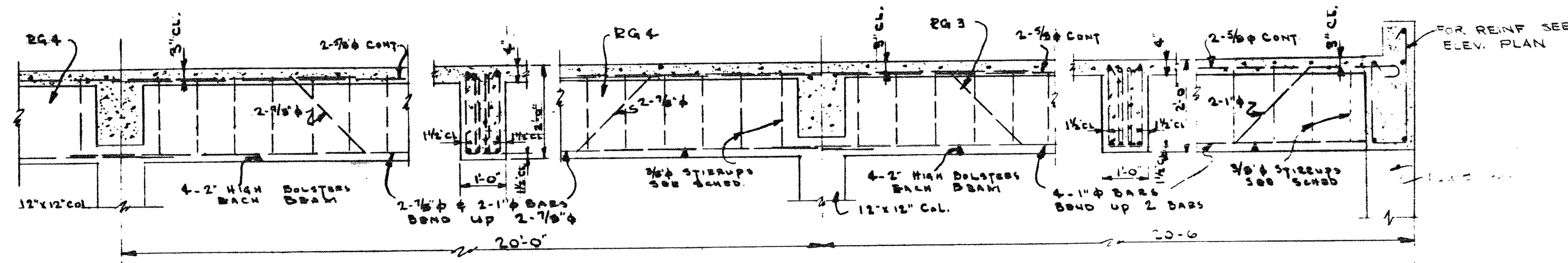
REV.	DATE	ENG. NO.	ACTION	DESCRIPTION	BY	APP'D.
A	1 JUN 58	Suppl-2	23/4/58	INDICATE ℄ DUCT OPENINGS		

CORPS OF ENGINEERS
ISLANDS AND BEACH MONTIN BENSON U.S. ARMY
CONSTRUCTION PROGRAMS
DEPARTMENT OF THE ARMY
OFFICE OF THE DIVISION ENGINEER
ALASKA DISTRICT
ALASKA DISTRICT
NORAGE ALASKA

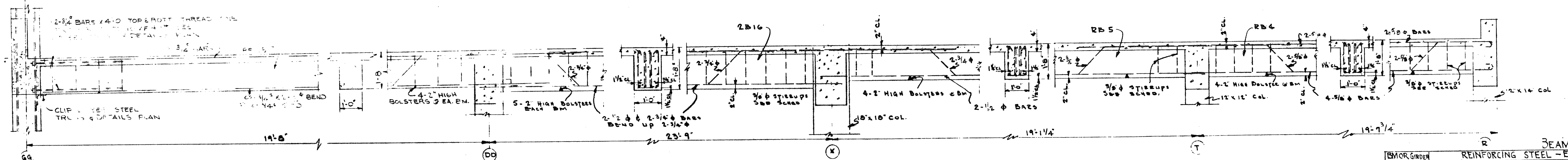
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED:
APPROVED:
DATE 6/4/52
APPROVED:
DATE
SCALE AS NOTED
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 32 OF 47

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2
SECOND FLOOR PLAN

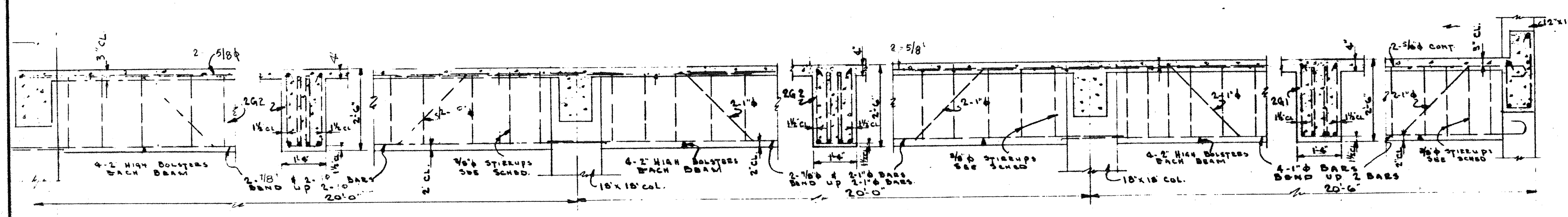
SERIAL NO. ENG. 95-507-58-52



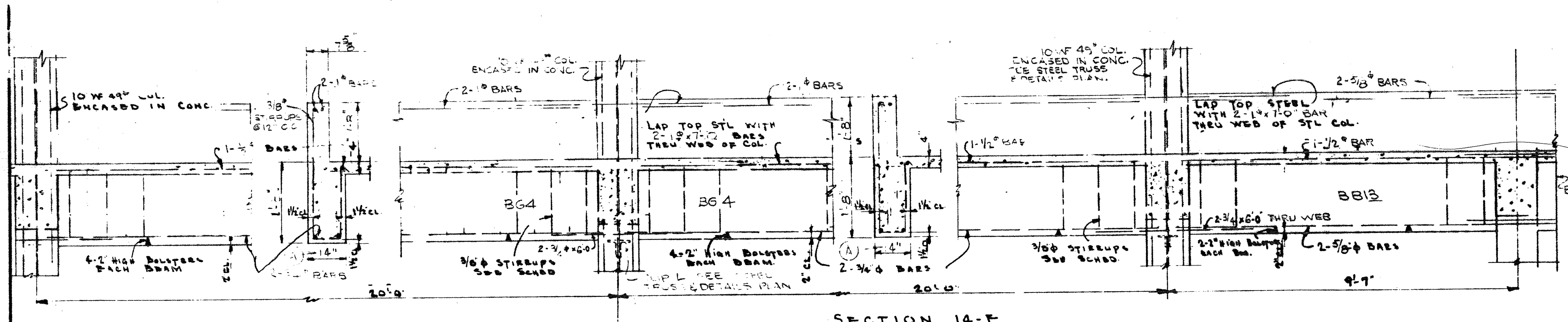
SECTION 14-D
TYPICAL REINF. PLACING ~ GIRDERS RG-3 & RG4
SCALE 1/2"=1'-0"



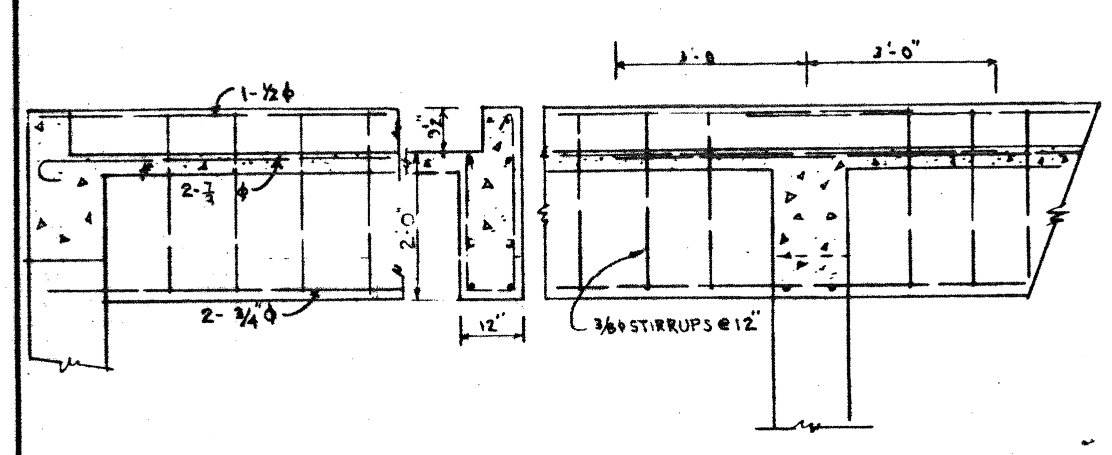
SECTION 14-B
TYPICAL REINF. PLACING ~ BEAMS RB-4, RB5, 2B16 & RB23
SCALE: 1/2"=1'-0"



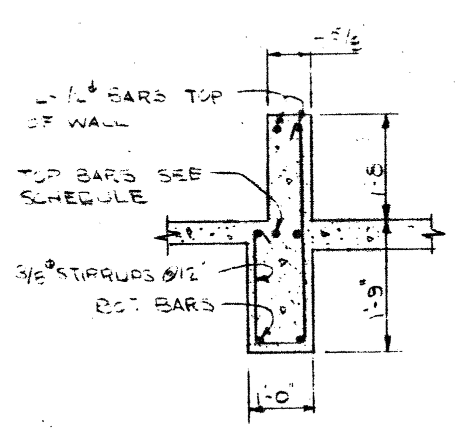
SECTION 14-E
TYPICAL REINF. PLACING ~ GIRDERS 2G1, 2G2
SCALE 1/2"=1'-0"



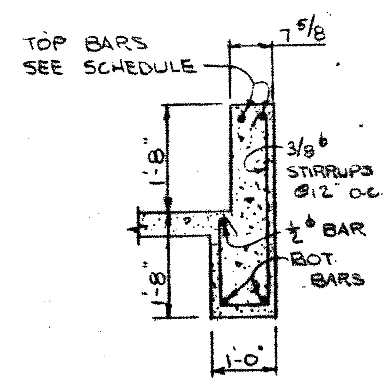
SECTION 14-F
TYPICAL REINF. PLACING ~ GIRDERS BG4 & BB13
SCALE: 1/2"=1'-0"



SECTION 14-G
RB13 TO RB16 TYPICAL REINFORCING



SECTION 14-H
SCALE - 1/2"=1'-0"



SECTION 14-J
SCALE - 1/2"=1'-0"

BEAM & GIRDER SCHEDULE

BM or Girder Mrk	Size	No	Size	Lgth	Mrk	Hk	Bend dims	Hk	d	Location	Stirrups each end & distance from face of support
RB1	12/20	2	1/2φ	25'-11"	955		25-5	6"		TOP	3-3/8φ @6", 15" & 24"
		2	3/4φ	26'-8"	956		8-5" 1-10½ 15-8"	8½	16"		
		2	3/4φ	21'-1"	957		20'-5"	8		BOT.	
RB2	12/20	2	3/4φ	30'-6"	958		8-10 1-10½ 9-1" 1-10½ 8-10		16"		3-3/8φ @6", 15" & 24"
		2	1/2φ	20'-0"			20'-0"			BOT.	
RB4	12/20	2	5/8	20-0	531		19-5	7			4-3/8x4-2" ST312 @ 4, 13, 22, 30
		2	5/8	26-0	532		7-11 1-10½ 11-3½ 1-10½ 2-7	7	16		
		2	3/8φ	24-4	533		23-9	7		TOP	
RB5	12/20	2	1/2φ	19-1			19-1				2-3/8 ST 312 @ 4, 14,
		2	3/4φ	30-0	430		7-9 1-10½ 10-10 1-10½ 7-9		16		
		2									[illegible] @ 2" & 15"
2B16	12/20	2	3/4φ	35'-2"	967		10-0 1-10½ 11-5" 1-10½ 10-0		16"		
		2	1/2φ	24'-9"	STR.		24-9			BOT.	
2G1	16/30	2	1"φ	21'-8"			20'-8"	1-0		BOT.	10-3/8φ x 5-10" ST 313 @ 4, 12, 20, 28, 40, 52, 64, 76, 88, 100.
		2	1φ	29'-3"	831		7-10 2-11 11-11 2-11 7-10	1-0	25"		
		2	5/8	26'-3"	834		25-8	7		TOP	
2G2	16/30	2	7/8	20-0			20-0			BOT.	9-3/8 ST 313 @ 4, 16, 28, 40, 52, 64, 76, 88, 100,
		2	1φ	32-0	832		7-10 2-8 11-2 2-8 7-10		23		
		2	3/8	14-3			14-3			TOP MID SPAN	
2B21	14/27⅝	2	3/4φ	11-2	636	8	9-10	8			2-3/8φ ST 314 @ 4, 16
		2	3/4φ	10-6	637		9-10	8			
2B12	12/25	2	1φ	26-?	981		25-6	1-1		TOP	9-3/8φ @ 6, 17, 28, 39, 50, 61, 72, 83 & 94
		2	7/8φ	27-0	982		7-11 2-4 15-11	10"	22		
		2	7/8φ	21-7	983		20-9	10		BOT.	
RB17	SEE SECT. 14-H	1	7/8φ	23-2			23-2			TOP PROJECT 3-0 INTO DD 18 & WALL	3/8φ @ 12" C.C.
		1	7/8φ	21-0			21-0			TOP, LAP WITH 3/4φ x 5-6	
		1	7/8φ	5-6			5-6			TOP PROJECT 3-0 INTO DD 18 & WALL	
		2	3/8φ	20-8			20-8			BOT.	
		2	1/2φ	16-9	984		16-3	6"		TOP	@ 1-7/8" WALL
RB18	12/20		BARS PROJECTED FROM RB17								NONE
2G4	12/25	2	3/4φ	21-0			21-0			BOT.	3-3/8 @ 6, 17 & 28
		2	1φ	32-0	368		8-11 2-4 9-6 2-4 8-11		20"		
RG1	12/25	2	1φ	21-10	969	1-1	20-9			BOT.	9-3/8φ @ 6", 17, 28, 39, 50, 61, 72, 83 & 94
		2	1φ	27-4	970	1-1	2-5 2-4 11-11 2-4 7-3		20		
		2									
RG2	12/25	2	7/8φ	21-0			21-0			BOT.	3-3/8φ @ 6, 17 & 28
		2	7/8φ	32-0	368		8-11 2-4 9-6 2-4 8-11		20		
RG3	12/24	2	1φ	20-8			20-8				11-3/8φ x 4-8 ST 316 @ 4, 14, 24, 34, 44, 54, 64, 74, 84, 94, 104.
		2	1φ	21-9	831		8-0 2-3 12-0 2-3 2-5	1-0	19		
		2	5/8φ	26-3	534		22-8	7			
RG4	12/24	2	1φ	20-8			20-8				11-3/8 ST 316 @ 4, 14, 24, 34, 44, 54, 64, 74, 84, 94, 104,
		2	7/8φ	31-10	737		9-0 2-3 11-6 2-3 6-0		19		
		2	5/8φ	22-0			22-0			TOP	
RG6	12/27⅝	2	1φ	20-8			20-8			BOT.	10-3/8 ST 314 @ 6, 14, 22, 31, 41, 51, 75, 87, 102.
		1	1φ	28-4	836		1-0 2-1 2-8½ 11-11 2-0½ 8-1		23		
		2	3/4φ	6-4	640		0-8 5-8			TOP EXT.	
RG8	12/25	1	1⅛φ	27-9			27-9			TOP	PROJECT 3-0" INTO ... & WALL. LAP WITH 7/8φ x 5'6"
		1	7/8φ	27-0	972		8-11 2-4 9-6 2-4 8-11				
		2	7/8	21-0			21-0			BOT.	3-3/8φ @ 6", 17" & 28"
		1	7/8	24-2	971		8-11 2-4 9-6 2-4 6-?		20		PROJECT 3-0" INTO COL. ... 2'-8" WALL
		1	7/8φ	5-6			5-6				
RB7	12/19⅝	2	5/8	18-6							4-3/8 ST 312 @ 5, 13, 21, 29,
		1	1φ	24-6	838		1-0 2-6 1-9 10-11 1-9 6-9		15		
		2	5/8	4-11	537		0-7 4-4			TOP @ FF	

BEAM & GIRDER SCHEDULE

BM or Girder Mrk	Size	No	Size	Lgth	Mrk	Hk	Bend dims	Hk	d	Location	Stirrups each end & distance from face of support
RB20	12/20	2	1/2φ	23'-9"	959	6"	23-3			TOP	3-3/8φ @ 6", 15" & 24"
		2	3/4φ	24'-5"	960	8"	18-10 1-10½ 8-0		16"		
		2	3/4φ	18'-11"	961	8"	18-3			BOT.	
RB19	12/20	2	3/4φ	31'-2"	962		9-0" 1-10½ 9-5" 1-10½ 9-0		16"		3-3/8φ @ 6", 15" & 24"
		2	1/2φ	20'-8"			20-8			BOT.	
BG3	SEE SECT 14-F	2	1φ	21'-0"	950	1-1	19-11"			TOP LAP WITH 2-1φ x 7-0 BARS THRU WEB OF COL. SEE SECT. 14-F	3/8φ STIRRUPS @ 12" O.C. THRUOUT SEE SECT. 14-F FOR SHAPE
		2	1φ	21'-0"	951	1-1	19-11			BOT.	
BG4	SEE SECT 14-F	2	1φ	19'-2"			19-2			TOP	
		2	3/4φ	17'-2"			17-2			BOT.	
BB13	SEE SECT 14-F	2	5/8φ	10'-0"			10-0			TOP	
		2	5/8φ	10'-0"			10-0			BOT.	
BB14	SEE SECT 14-F	2	5/8φ	12'-2"	952	7"	11-7			TOP	
		2	5/8φ	11'-10"	953	7"	11-3			BOT.	
RB22	12/18	2	1φ	20'-6"			20-6			BOT.	3-3/8φ @ 6", 14", 22"
		2	1φ	23'-5"	954	1-0	2-4 1-7½ 13-6 1-4½ 2-4	1-0	14"		
RB21	12/20	2	3/4φ	29'-1"	963		8-7 1-10½ 8-2 1-10½ 8-7		16"		3-3/8φ @ 6", 15 & 24"
		2	1/2φ	18'-6"			18-6			BOT.	
		2	3/4φ	25'-6"			25-6			TOP LAP WITH 2-3/4φ x 4-0" BARS	
RB23	12/20	2	3/4φ	26'-3"	964		14-11 1-10½ 9-5		16"		LAP WITH 2-3/4φ 3-3/8φ @ 6, 15" & 24"
		2	1/2φ	19'-6"						BOT.	
RB24	12/20	2	3/4φ	27'-1"	965	8"	26-5			TOP	3-3/8φ @ 6", 15" & 24"
		2	3/4φ	27'-8"	966	8"	15-8 1-10½ 9-5		16"		
		2	1/2φ	20'-6"			20-6			BOT.	

BEAM & GIRDER SCHEDULE

BM or Girder Mark	Size	No	Size	Length	Mk	Hk	Bend dims	Hk	d	Location	Stirrups each end & distance face of support
RB8	12/19⅝	2	5/8φ	20-0						BOT.	4-3/8 ST 312 @ 5, 13, 21, 29,
		1	7/8φ	31-5	740		8-4 1-9 11-5 1-9 8-4		15		
		1	7/8φ	10-6			CENTERED PER COL.			TOP	
RB9	12/19⅝	2	5/8	20-4							4-3/8 ST 312 @ 5, 13, 21, 29,
		1	1"φ	27-4	839		8-4 1-9 12-0 1-9 2-9	1-0	15		
		2	5/8φ	6-2	838		5-7	0-7		TOP @ LL	
RB10	12/20	2	1φ	26-6	975		25-5	1-1		TOP	3-3/8φ @ 6", 15" & 24"
		2	3/4φ	46-8	956		8-5 1-10½ 15-8	8½	16		
		2	3/4φ	21-1	957		20-5	3		BOT.	
RB11	12/20	2	5/8φ	20-0			20-0			BOT.	3-3/8φ @ 6, 15" & 24"
RB12	12/21½	2	1φ	26-1	977			1-1		TOP	5-3/8φ @ 6", 15, 24, 33 & 42"
		2	7/8φ	26-8	978		7-10 2-0 15-9	1-1	17		
		2	1/2φ	21-5	979		20-7	10"		BOT.	
RB25	SEE SECT. 14-J	2	7/8φ	16-0			16-0			TOP	3/8φ @ 12" O.C.
		2	5/8φ	15-0			15-0			BOT.	
RB26	SEE SECT 14-J	2	7/8φ	22-6			22-6			TOP	3/8φ @ 12" O.C.
		2	5/8φ	21-8			21-8			BOT.	
RB27	SEE SECT 14-J	2	7/8φ	22-4	985	10"	21-6			TOP	3/8φ @ 12" O.C.
		2	3/4φ	21-11	986	8"	21-3			BOT.	
2B25	SEE SECT. 4-H	1	3/4φ	[illegible]	375		[illegible]				PROJECT 3-0" INTO CC16 & CC18 & WALLS
		1	[illegible]	26-3	[illegible]		[illegible]				LAP WITH 3/4φ x 5-6"
		1	3/4φ	[illegible]						TOP	3-0" INTO CC16 & CC18 & WALLS
		1	1φ	21-4			27-4			TOP	3-0" INTO CC16 & CC18 & WALLS
		2	1⅛	[illegible]			20-7			BOT.	3/8φ @ 12" O.C.
		2	1/2φ	23-6	982		23-0			1 7/8 WALL	
2G6	12/25	2	1φ	21-10	973	1-1	20-9			BOT.	9-3/8φ @ 6, 17, 28, 39, 50, 61, 72, 83, 94
		2	1φ	27-4	974	1-1	2-5 2-4 11-11 2-4 7-3		20"		
2G7	SEE SECT. 4-H	2	1/2φ	21-6	981	6"	[illegible]				7/8" WALL SEE SECT 14-H
		2	1φ	27-0	982		8-11 2-4 9-? 2-4 [illegible]		20		3/8φ @ 12" O.C.
		2	1φ	[illegible]						BOT.	

THIS DRAWING HAS BEEN MODIFIED AS BUILT
APPROVED
RESIDENT ENGINEER

REV.	DATE	E.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D
A	JUN 56		1955	REV. DIMS.		

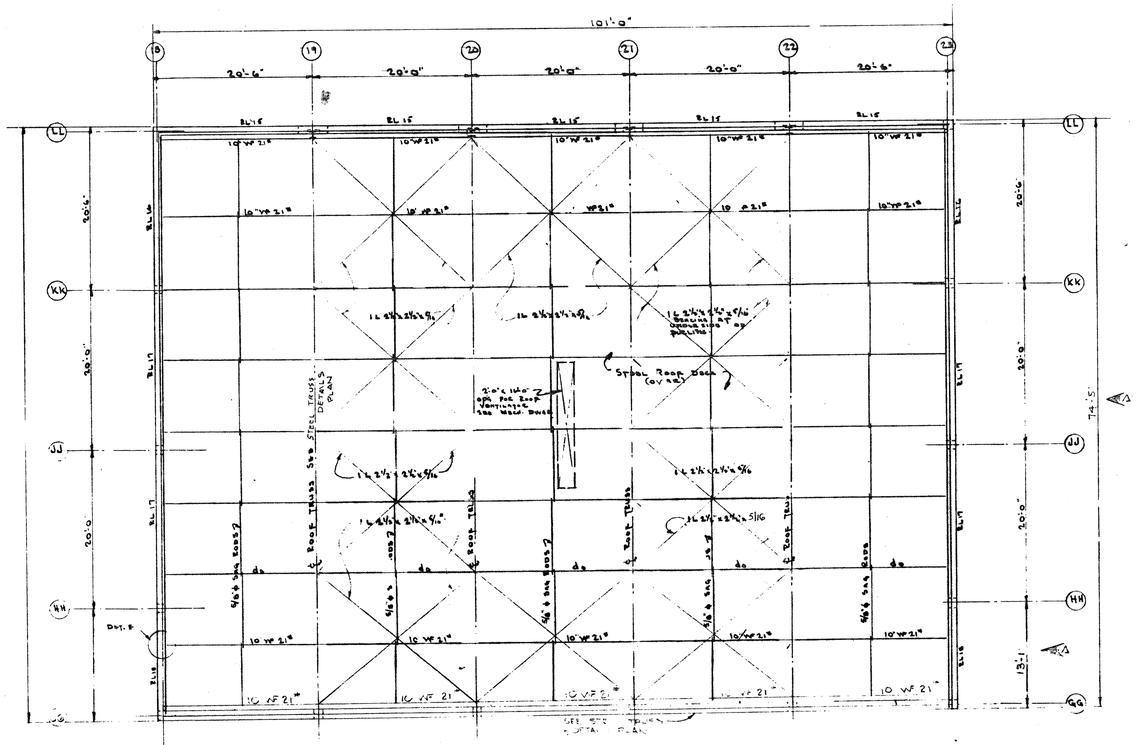
ISLANDS—ANDERSON—MONTIN—BENSONS CONSTRUCTION CONTRACTORS SEATTLE
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED:
APPROVED: RESIDENT ENGINEER
DATE 6/4/52

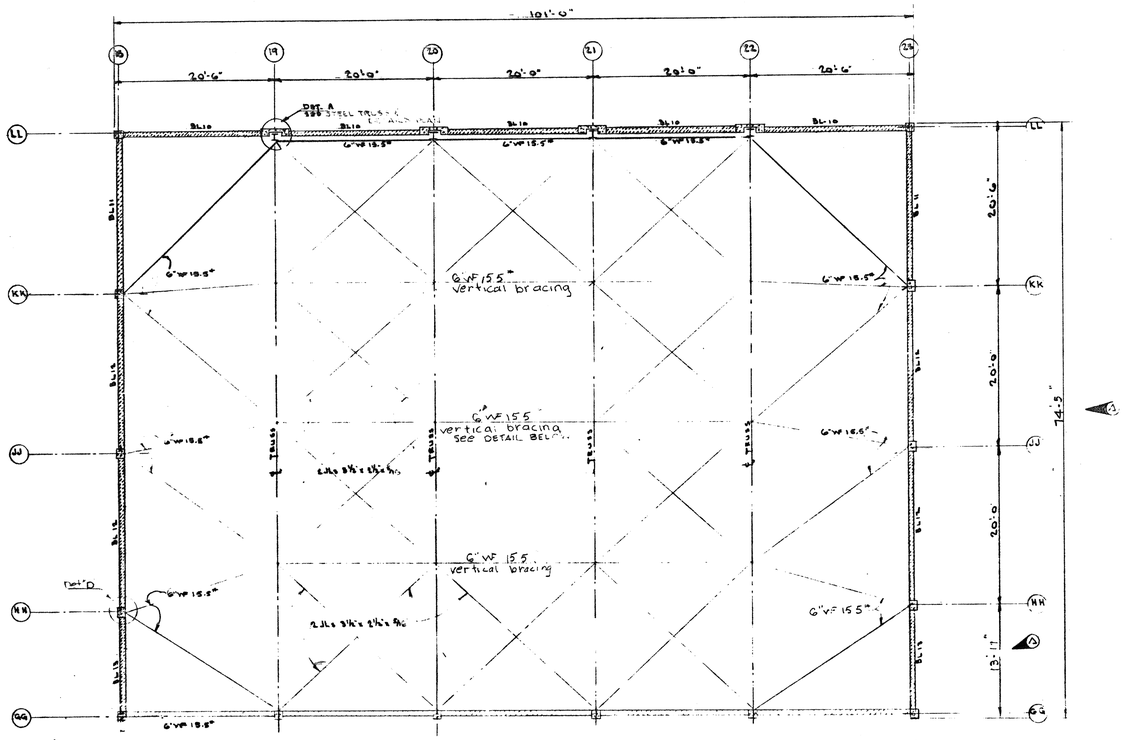
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2
BEAM SCHEDULE & DETAILS

APPROVED FT-A413
DATE
SCALE AS NOTED
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 33 OF 47

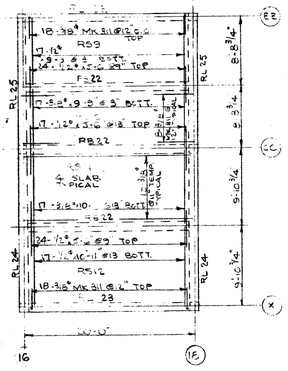
SERIAL NO. ENG. 95-507-55-52

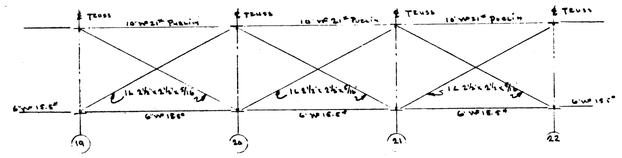


ROOF FRAMING PLAN SECTOR # 2
Scale - 1/8" = 1'-0"

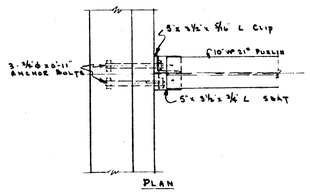


BRACING PLAN AT BOTTOM CHORD OF ROOF TRUSSES
Scale - 1/8" = 1'-0"

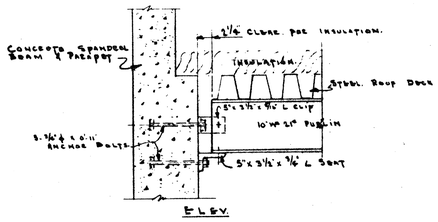




TYPICAL VERTICAL BRACING FRAMING
Scale: 1/4" = 1'-0"

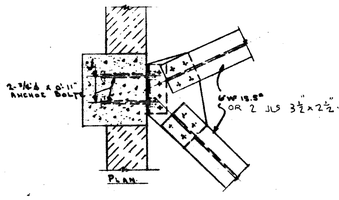


PLAN

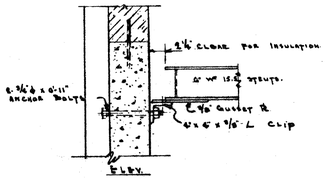


ELEV.

DETAIL 'E'
TYPICAL PURLIN CONNECTION TO CONCRETE SPANDREL BEAM
Scale: 1" = 1'-0"



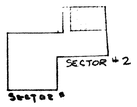
PLAN



ELEV.

DETAIL 'D'
TYPICAL CONNECTION - BOTT. CHORD BRACING STRUTS TO CONC. COLS.
Scale: 1" = 1'-0"

NOTES
1. PROVIDE INITIAL TENSION OF 3000#/IN IN ALL DIAGONAL BRACING MEMBERS
2. WELDED CONNECTIONS MAY BE USED IN PLACE OF RIVETED CONNECTIONS SHOWN PROVIDED WELDING IS ADEQUATE TO DEVELOP STRENGTH OF MEMBER.
3. RIVETS OR FITTED BOLTS 3/4" ϕ OPEN HOLES 13/16
4. PROVIDE MINIMUM OF 2 RIVETS AT EACH CONNECTION
5. CONDENSATION PROOFING, AS DESIGNATED BY CONTRACTING OFFICER, SHALL BE PROVIDED FOR ALL STRUCTURAL STEEL MEMBERS THAT CONNECT DIRECTLY TO EXTERIOR COLS OR SPANDREL BEAMS FOR A DISTANCE OF 6'-0" FROM EXT. WALL, (MC COBB #945 OR APPROVED EQUAL)



KEY PLAN - NO SCALE

REV.	DATE	R.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D
△	24/2/56			CORRECT DIMENSIONS	WJ	

ISLANDS - ANDERSON - MORTIN - BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

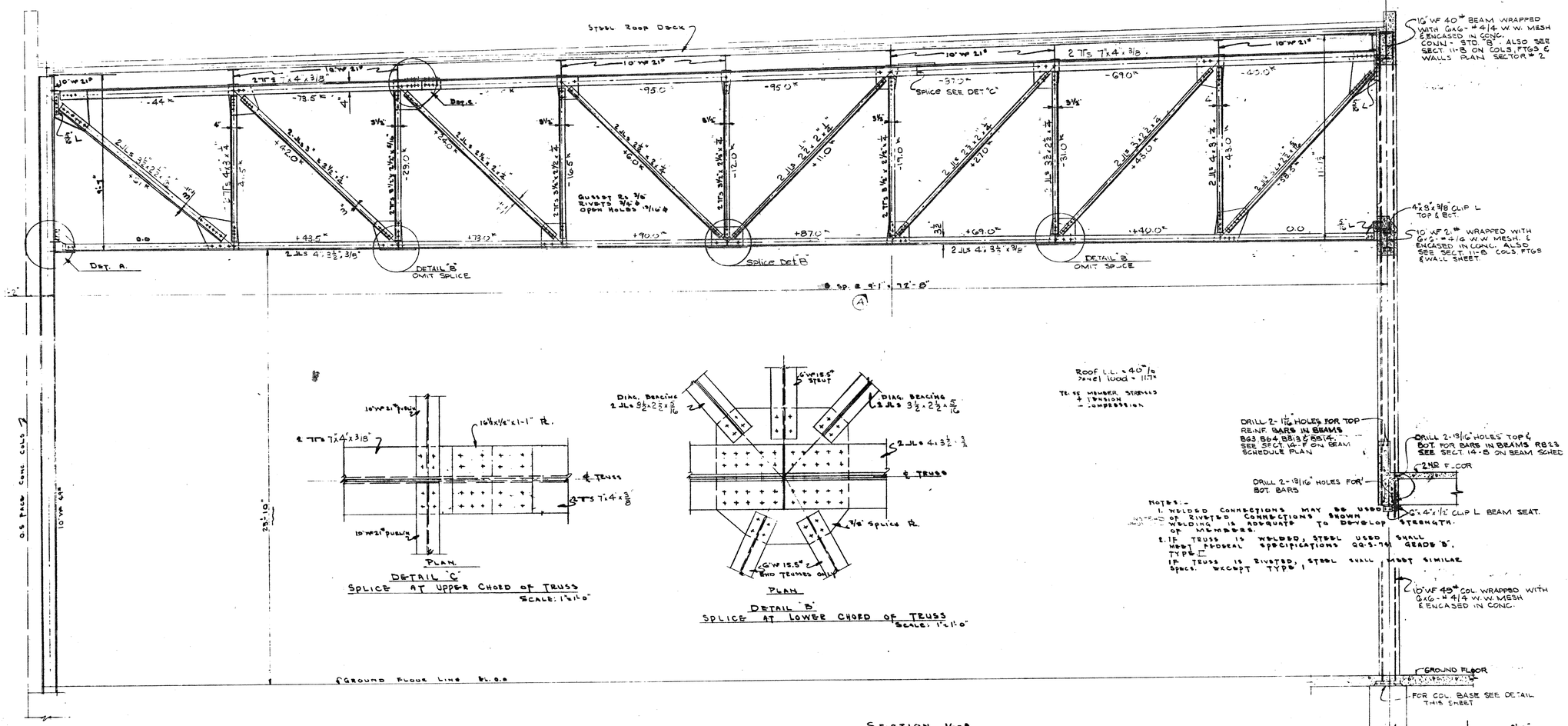
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2
ROOF FRAMING PLAN

RECOMMENDED: [signature] PRIME CONTRACTOR
APPROVED: [signature] RESIDENT ENGINEER
DATE: 6/4/56
SCALE: AS NOTED
SPEC. NO.
APPROVED
DATE
DRAWING NUMBER: AF-31-13-06
SHEET 34 OF 47

THIS DRAWING HAS BEEN MODIFIED AS BUILT

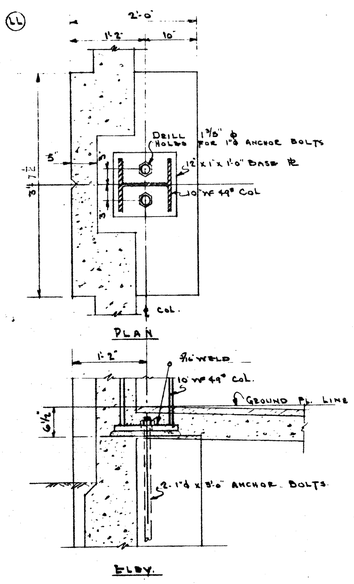
CONSTRUCTION SET SERIAL NO. ENG. 95-507-5

REV.	DATE	R.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APPR.
A	8/2/61	+	2 Mar 62	Revised truss length dimension		

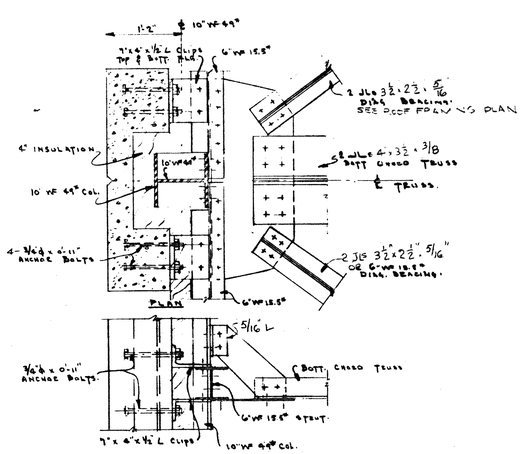


NOTES:-
1. WELDED CONNECTIONS MAY BE USED OF RIVETED CONNECTIONS SHOWN WELDING IS ADEQUATE TO DEVELOP STRENGTH OF MEMBERS.
2. IF TRUSS IS WELDED, STEEL USED SHALL MEET FEDERAL SPECIFICATIONS QQ-S-741 GRADE "B", TYPE II.
IF TRUSS IS RIVETED, STEEL SHALL MEET SIMILAR SPECS. EXCEPT TYPE I

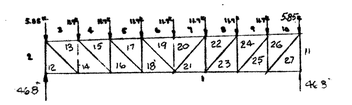
SECTION 16-A
ROOF TRUSS OVER SWIMMING POOL
SCALE: 3/8"=1'-0"



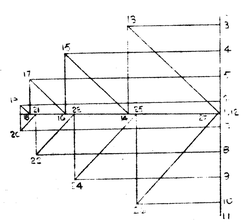
COL. BASE DETAIL AT EXT. COL.
SCALE: 1"=1'-0"



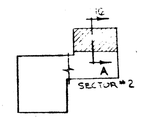
DETAIL "A"
SCALE: 1"=1'-0"



TRUSS LOADING DIAGRAM
NO SCALE



TRUSS STRESS DIAGRAM
Scale - 1"=30#



COL. BASE DETAIL AT INTERIOR COL.
SCALE: 1"=1'-0"

KEY PLAN - NO SCALE

REV	DATE	RCA	ACTION	DESCRIPTION	BY	APPR.
A	24/2/56	3 Suppl. 1	26 Mar 62	CORRECTED TRUSS LENGTH.	WJ	

ISLANDS - ANDERSON - MONTIN - SEASON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
ENGINEER
ALASKA

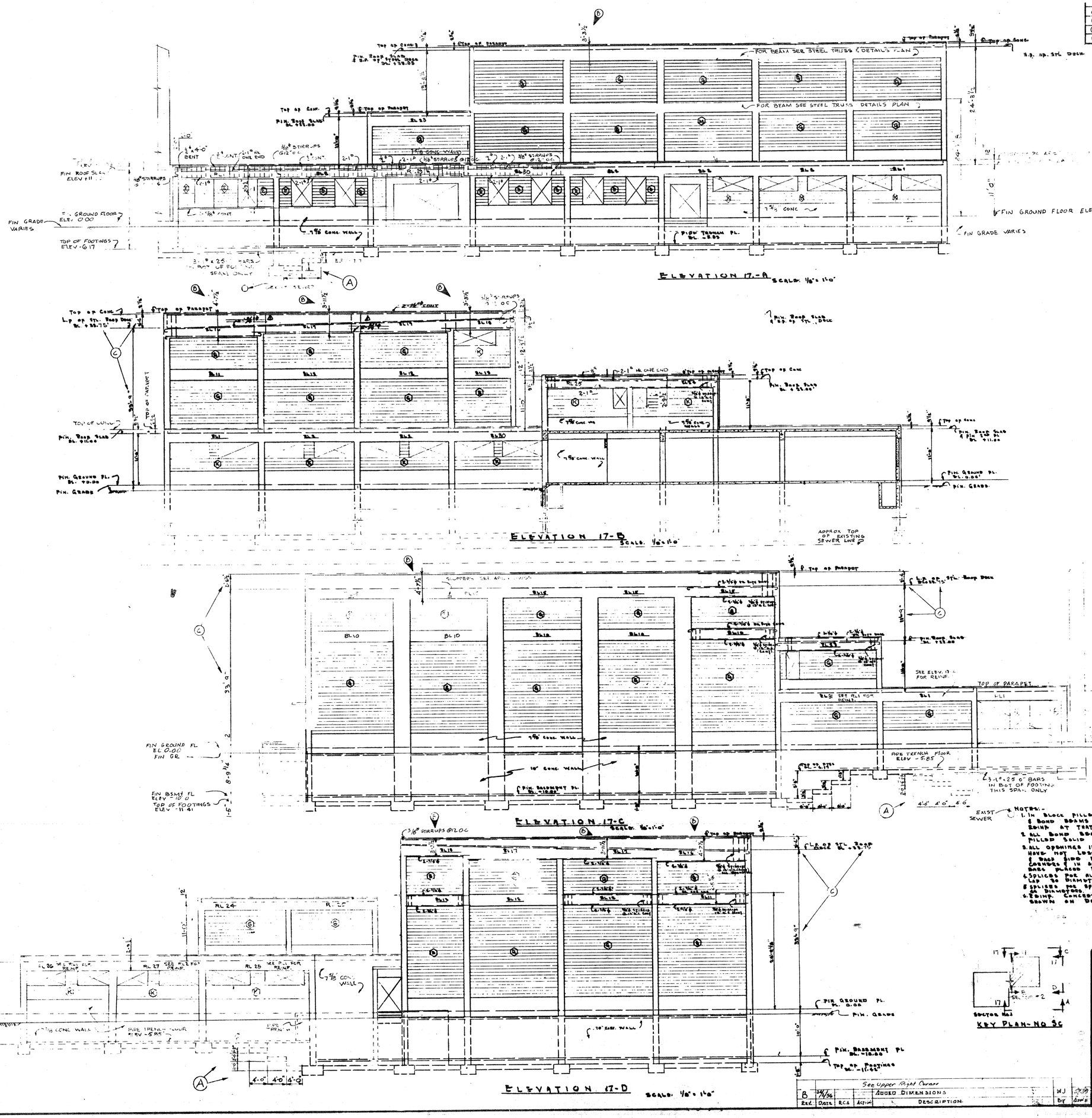
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: [signature] CHIEF, DESIGN BRANCH
APPROVED: [signature] CHIEF, ENGINEERING DIVISION
DATE: 6/4/62
APPROVED:
DATE: 6-4-63

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2
STEEL TRUSS & DETAILS

SCALE: AS NOTED
SPEC. NO.
DRAWING NUMBER: AF-31-13-06
SHEET 35 OF 47

SERIAL NO. ENG. 95-507-55-33

REV.	DATE	R.C.A. DWG. NO.	ACTION	DESCRIPTION	BY	APPD
C	JUNE 26	6	23	REV. DIMS.	SHG	
B	2-24-56	Supplt 1	2	ADDED DIMENSIONS		
A	10-5-55	6	1	STEP FOOTINGS REVISED ELEV 17A, 17C & 17D	VAY.	



CONC BLOCK FILLED WALL REINF

PANEL	HORIZ. REINF	HORIZ. BOND BEAM	BOND BEAM REINF	VERT. REINF JAMB BLKS	VERT REINF 6-0" O.C.
A	K-BAR EVERY 2ND COURSE	EVERY 4TH COURSE	2-3/4" ϕ BARS	NONE	1/2" ϕ SAF.
B	K-BAR & 1-3/16" ϕ C.D. WIRE ON U.S. PAST. EVERY 2ND COURSE	NONE	NONE	NONE	1/2" ϕ SAF.
E	K-BAR EVERY 2ND COURSE	NONE	NONE	1-1/2" ϕ BAR	[illegible]
G	K-BAR EVERY 2ND COURSE	EVERY 4TH COURSE	2-3/4" ϕ BARS	NONE	[illegible]
J	K-BAR EVERY 2ND COURSE	AT WINDOW SILL	2-3/4" ϕ BARS	1-1/2" ϕ BAR	[illegible]
K	K-BAR EVERY 2ND COURSE	AT WINDOW SILL	2-3/4" ϕ BARS	1-1/2" ϕ BAR	[illegible]
L	K-BAR EVERY 2ND COURSE	NONE	NONE	NONE.	[illegible]
M	K-BAR EVERY 2ND COURSE	AT WINDOW SILL	2-3/4" ϕ BARS	1-1/2" ϕ BAR	[illegible]
INTERIOR PARTITIONS	K-BAR EVERY 2ND COURSE	LINTEL OVER OPENINGS	2-1/2" ϕ x 1'-6" + OPG WIDTH	1-1/2" ϕ BAR	[illegible]

NOTE
VERTICAL BARS TO BE SET IN CONC FILLED CELLS
PROVIDE DOVE TAIL ANCHOR @ 16" O.C. AT [illegible] SIDES OF ALL BLOCK PANELS

NOTES:-
1. IN BLOCK FILLED WALLS WHERE K-BAR REINF & BOND BEAMS COINCIDE ELIMINATE K-BAR REINF AT THAT COURSE.
2. ALL BOND BEAMS & JAMB BLOCKS TO BE FILLED SOLID WITH CONCRETE - SEE SPECS
3. ALL OPENINGS IN CONCRETE WALLS SHALL HAVE NOT LESS THAN 2-5/8" ϕ AT TOP, BOTTOM & EACH SIDE EXTENDING 30 DIAMETERS BEYOND CORNERS & IN ADDITION SHALL HAVE 2-5/8" ϕ x 5'-0" BARS PLACED DIAGONALLY AT EACH CORNER.
4. SPLICES FOR ALL HORIZ & VERT WALL STL SHALL LAP 30 DIAMETERS
5. SPLICES FOR SPANDREL BEAM TOP STL TO LAP 40 DIAMETERS.
6. REINF. CONCRETE WALLS AT CORNERS AS SHOWN ON DETAILS - SHT. 16B

THIS DRAWING HAS BEEN MODIFIED AS BUILT
RESIDENT ENGINEER

REV.	DATE	R.C.A.	ACTION	DESCRIPTION	BY	APPD
B	2/24/56			ADDED DIMENSIONS	WJ	

See Upper Right Corner

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

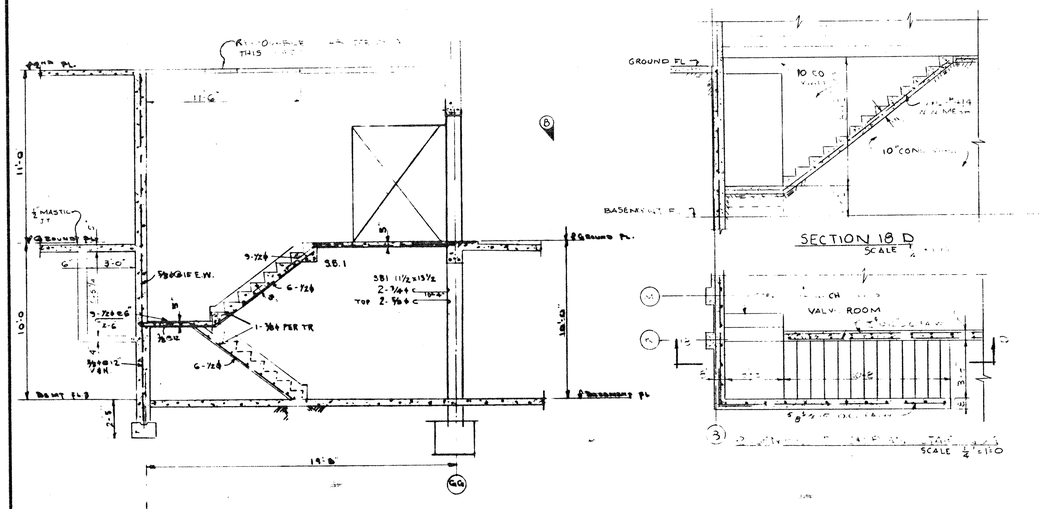
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: R. E. Bensen, Vice President
APPROVED: J. H. Mason, Capt CE, District Engineer
APPROVED: A-13
DATE: 6/11/57

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTOR 2 ELEVATIONS

SCALE: AS NOTED
SPEC. NO.
DRAWING NUMBER AF-31-13-06
SHEET 3C OF 91

SERIAL NO ENG 95-507-5

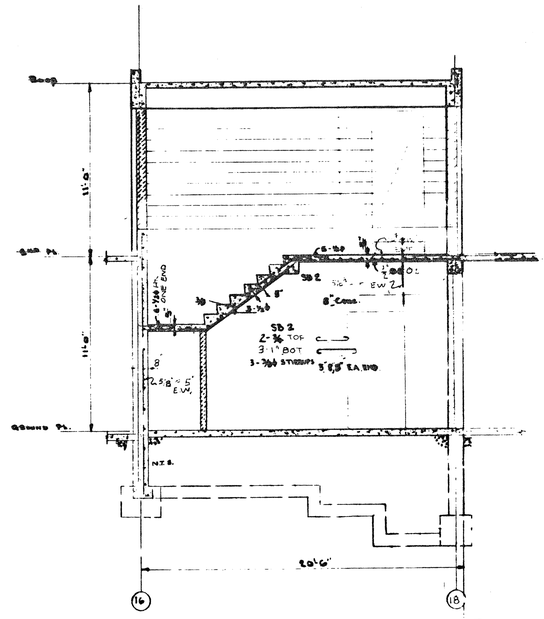


SECTION 18-A
THRU STAIR NO.
SCALE: 1/4"=1'-0"

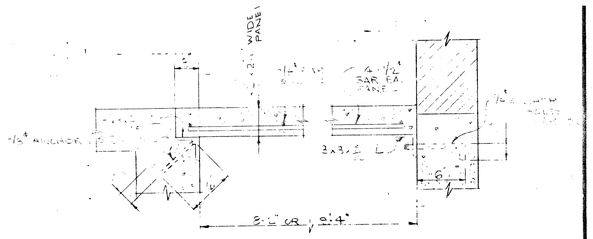
SECTION 18 D
SCALE

VALVE ROOM

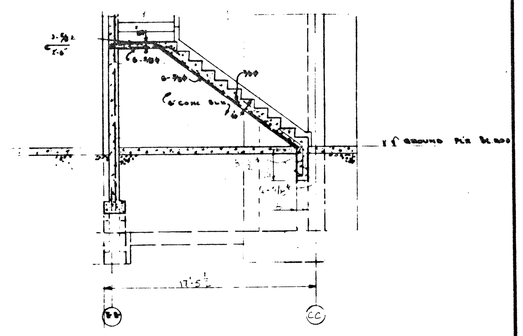
SCALE 1/4"=1'-0"



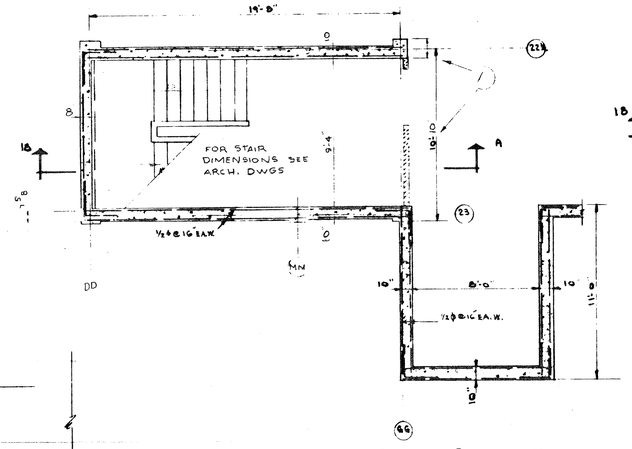
SECTION 18-B
THRU STAIR NO. 2
SCALE: 1/4"=1'-0"



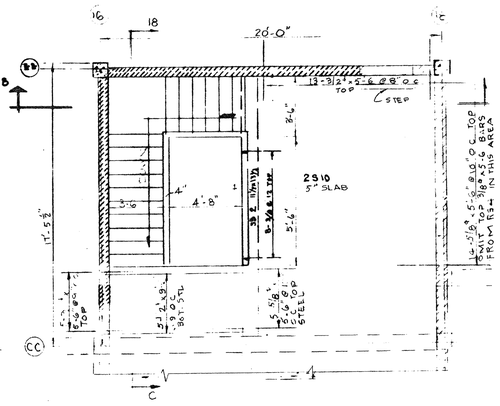
DETAIL OF REMOVABLE SLAB
SCALE: 1½"=1'-0"



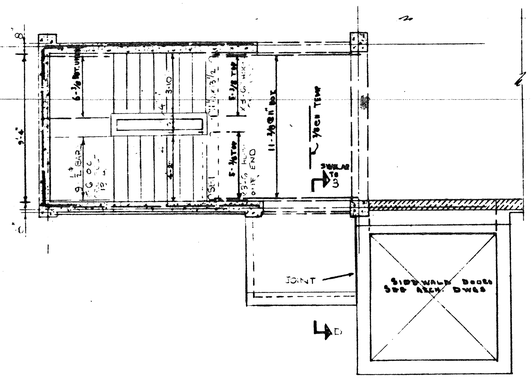
SECTION 18-C
THRU STAIR NO.
SCALE: 1/4"=1'-0"



BASEMENT PLAN - STAIR NO
SCALE: 1/4"=1'-0"

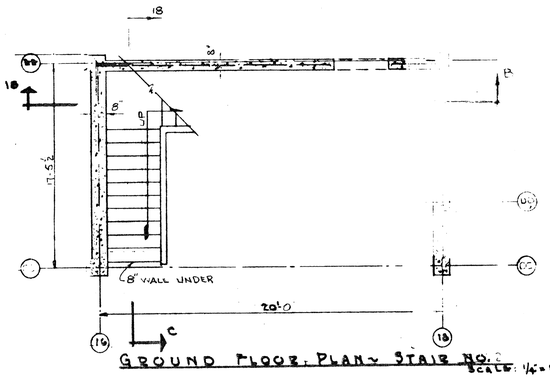


SECOND FLOOR PLAN STAIR NO. 2
SCALE - ¼"=1'-0"

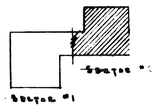


GROUND FLOOR PLAN - STAIR NO. 3
SCALE: 1/4"=1'-0"

STAIR L.L. = 100#/□'



GROUND FLOOR PLAN - STAIR NO. 2
SCALE: 1/4"=1'-0"



KEY PLAN. NO.

THIS DRAWING HAS BEEN MODIFIED AS BUILT

REV	DATE	ACTION	DESCRIPTION	BY	APPD
P	1/4/52		DELETED DIMENSION		
A	1/7/52		REVISE DIMENSIONS ON BASEMENT PLAN STAIR NO 3	V.A.V.	

ISLANDS-ANDERSON-MONTIN-BENSON
GEN. SECTION CONTRACTORS
SEATTLE WASHINGTON

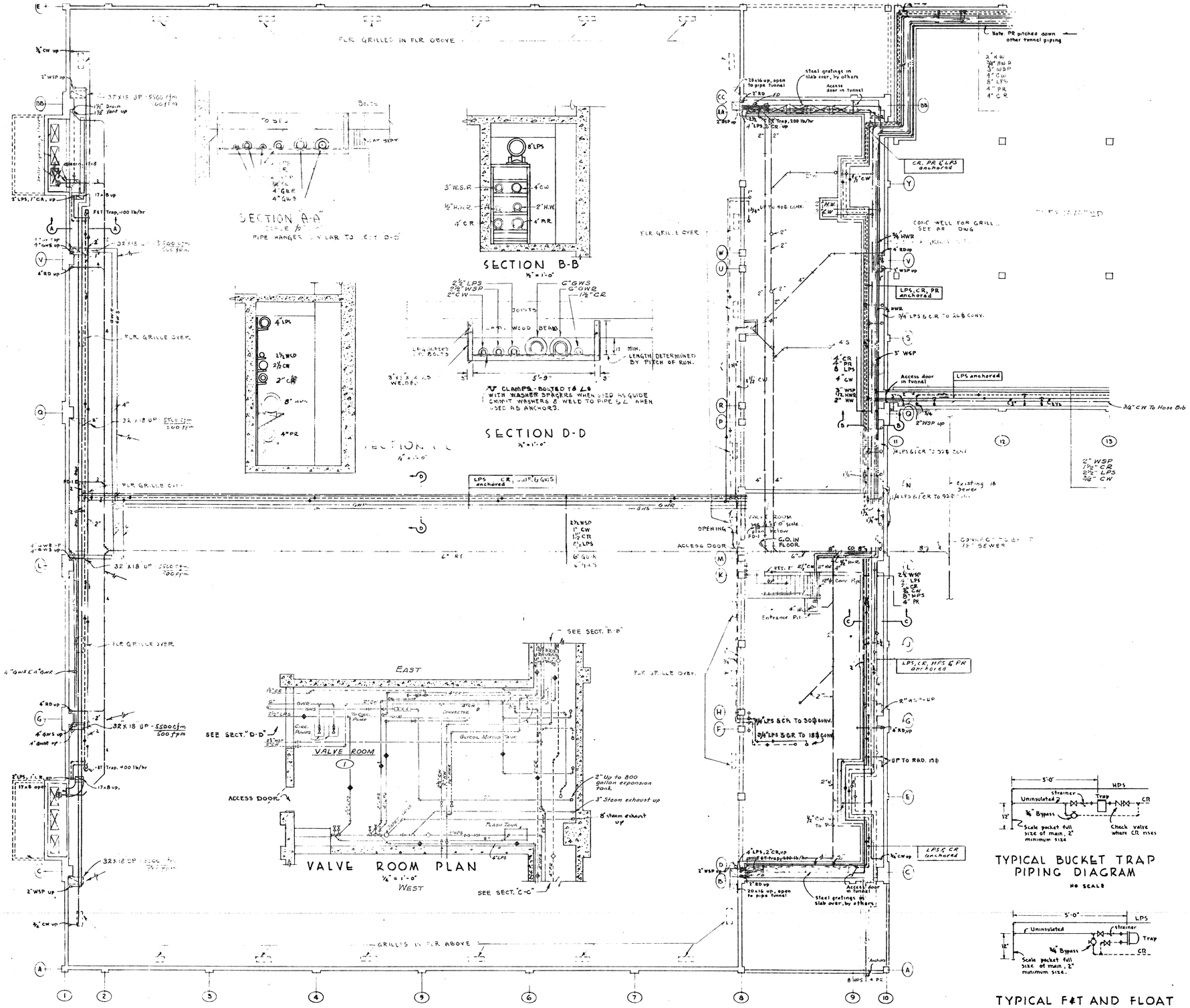
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DIVISION ENGINEER
ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
STRUCTURAL
SECTORS 1 & 2
STAIR DETAILS

RECOMMENDED: [signature] PUBLIC CONTRACTOR
APPROVED: [signature] RESIDENT ENGINEER
DATE: 6/1/52
SCALE
SPEC. NO.
APPROVED
DATE
DRAWING NUMBER: AF-31-13-08
SHEET 37 OF 47

SERIAL NO. ENG. 95-507-[illegible]



SYMBOLS

HPS	High pressure steam	T	Thermostat, as noted
PR	Pumped return	H	Room humidistat
CR	Condensate return (HP)	OT	Outside thermostat
LPS	Low pressure steam		Insulated duct
CR	Condensate return		Wall exhaust grille
S	Panel heating supply		Wall supply grille
R	Panel heating return		Ceiling exhaust grille
HW	Hot water	FG	Floor grille
HWR	Hot water recirculating	AD	Automatic damper
CW	Cold water		Bottom door grille, by others
WSP	Wet standpipe		Top & bottom door grille, by others
PW	Swimming pool supply		Supply duct up, down
W	Waste, soil, drainage		Return or exhaust duct up, down
V	Plumbing vent		Turnvanes in duct
RD	Roof drainage	AAV	Automatic air vent valve
	Swimming pool vacuum cleaning	EWC	Electric water cooler
	Swimming pool recirculating	VTR	Vent through roof
	Hot water to showers	CUH	Cabinet unit heater
	Pipe pitched down	FBD	Foot bath drain
	Screwed union	FD	Floor drain
CO	Cleanout	RD	Roof drain
	Globe valve	SD	Shower drain
	Gate valve	VU	Ventilating unit
	Check valve	HU	Heating unit
	Adjusting fitting	RV	Roof ventilator
	Strainer	CI	Cast iron
	Hose end drain valve	EF	Exhaust fan
HB	Hose bibb	100	Air volume, cfm
	Wall hydrant	S	Splitter damper
	Automatic valve	B	Butterfly damper
	Relief or safety valve		Room number
PRV	Pressure reducing valve	P	Pressure gage
	Thermometer	GD	Swimming pool gutter drain
CW	Glycol Water Supply	GWR	Glycol Water Return

Note: PR pitched down other tunnel piping

Steel gratings in slab over, by others

Access door in tunnel

CR, PR & LPS anchored

LPS, CR, PR anchored

LPS anchored

LPS, CR, HPS & PR anchored

LPS & CR anchored

3/4" CW To Hose Bib

Existing 18" Sewer

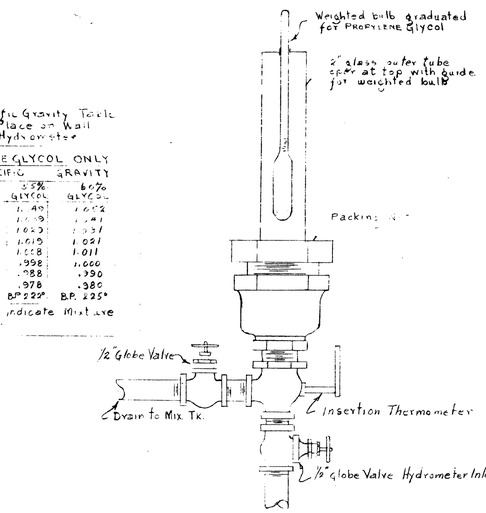
CONNECT TO EXIST. 18" SEWER

Inside Specific Gravity Table
as follows: Place on wall
adjacent to Hydrometer

USE ETHYLENE GLYCOL ONLY

TEMP	SPECIFIC GRAVITY 50% GLYCOL	55% GLYCOL	60% GLYCOL
0°F	1.046	1.049	1.052
10°	1.036	1.039	1.041
20°	1.026	1.029	1.031
30°	1.016	1.019	1.021
40°	1.005	1.008	1.011
50°	.995	.998	1.000
60°	.985	.988	.990
70°	B.P. 220°	.978	.980
80°		B.P. 222°	B.P. 225°

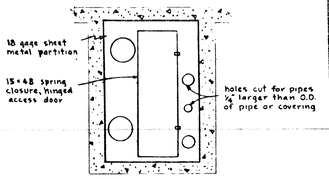
Boxed figures indicate Mixture Readings in degrees.



HYDROMETER DETAIL
NOT TO SCALE

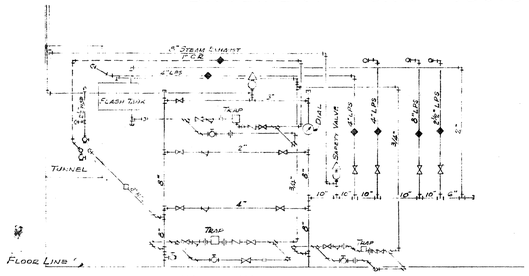
TYPICAL BUCKET TRAP PIPING DIAGRAM
NO SCALE

TYPICAL F&T AND FLOAT TRAP PIPING DIAGRAM
NO SCALE

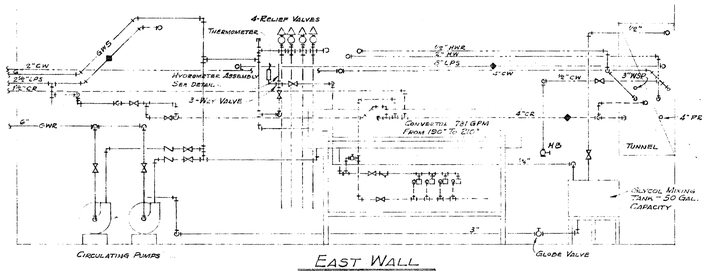


TYPICAL DETAIL OF ACCESS DOOR IN PIPE TUNNEL

THIS DRAWING HAS BEEN MODIFIED AS BUILT
ENGINEER

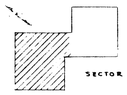


WEST WALL



EAST WALL

VALVE ROOM PIPING
No Scale



KEY PLAN - NO SCALE

REV	DATE	B.C.E. SPEC. NO	ACTION	DESCRIPTION	BY	APP'D

ISLANDS - ANDERSON - MONTIN - BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

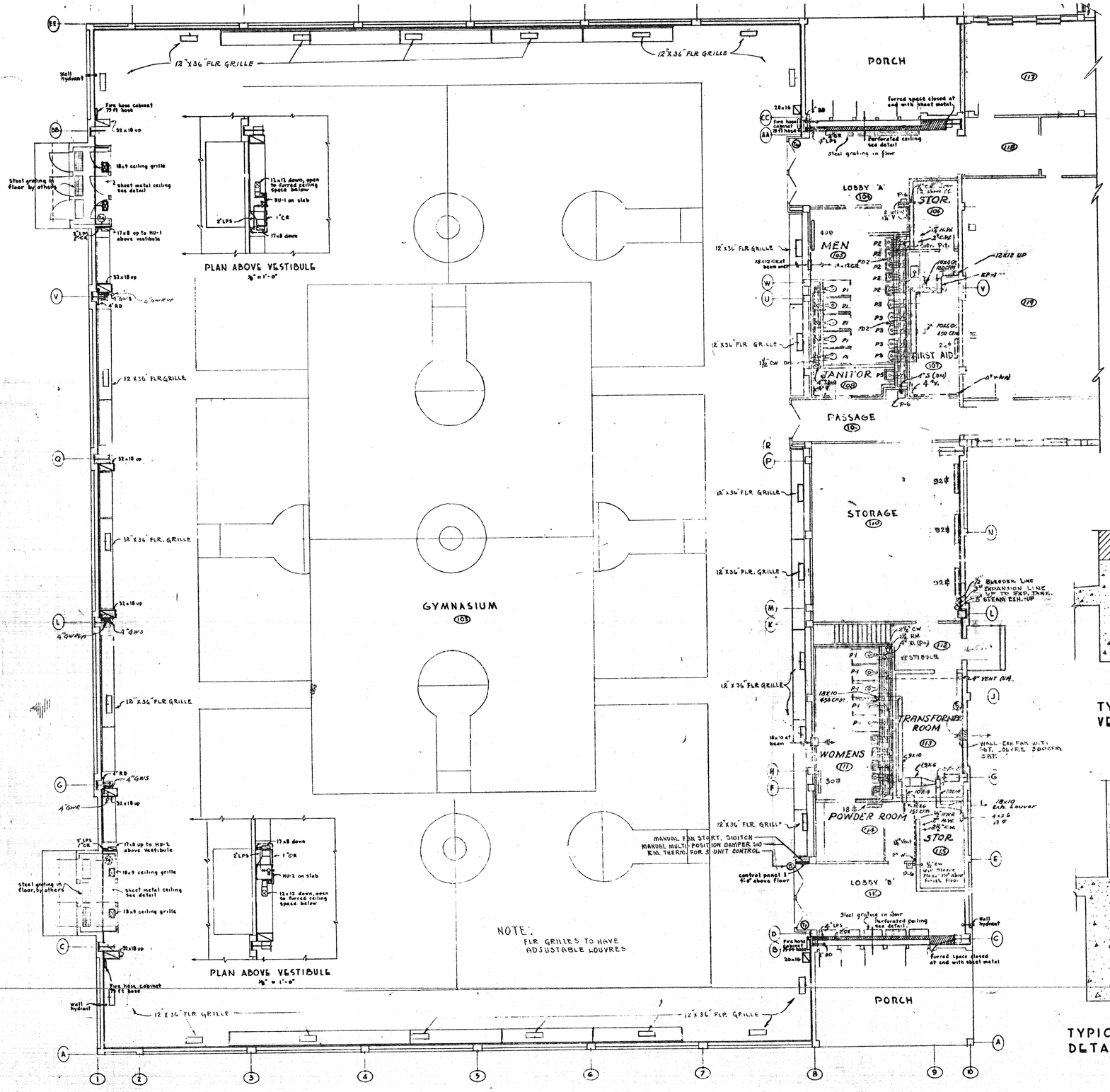
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: PRINC. ENGR. ENGINEER
APPROVED: CHIEF, ENGINEERING DIVISION
DATE
APPROVED: DATE

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
MECHANICAL

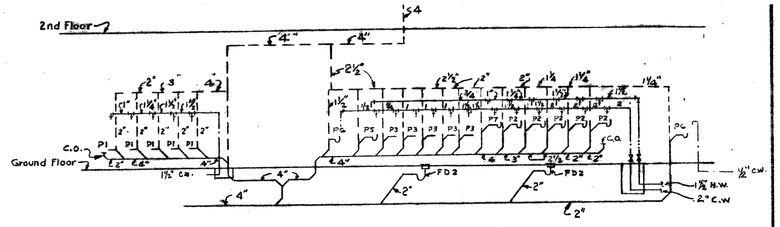
SECTOR I-HEATING & PLUMB. BASEMENT PLAN & DETAILS

SCALE: SHOWN
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 38 OF 47

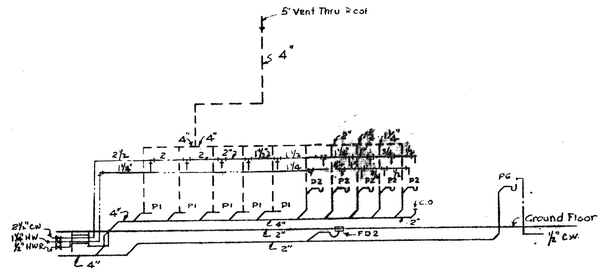
SERIAL NO. ENG. 95-507-55



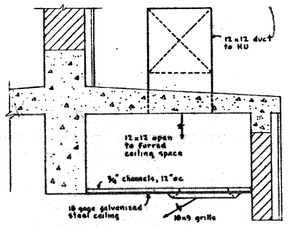
GROUND FLOOR PLAN · SECTOR 1
1/8" = 1'-0"



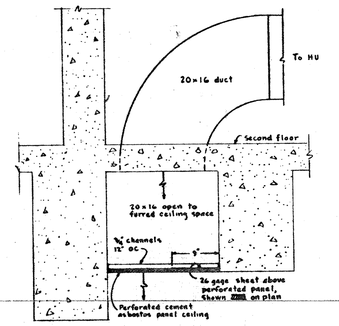
RISER DIAGRAM
ROOMS 105, 107, 108



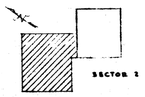
RISER DIAGRAM
ROOM 111



TYPICAL CEILING DETAIL
VESTIBULES (101) AND (102)
1" = 1'-0"



TYPICAL PERFORATED CEILING
DETAIL · LOBBIES 'A' AND 'B'
1" = 1'-0"



KEY PLAN · NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED:
APPROVED:
RESIDENT ENGINEER

Walter Muchow
24 May 1957

REFERENCE DRAWING ONLY

REV.	DATE	S.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

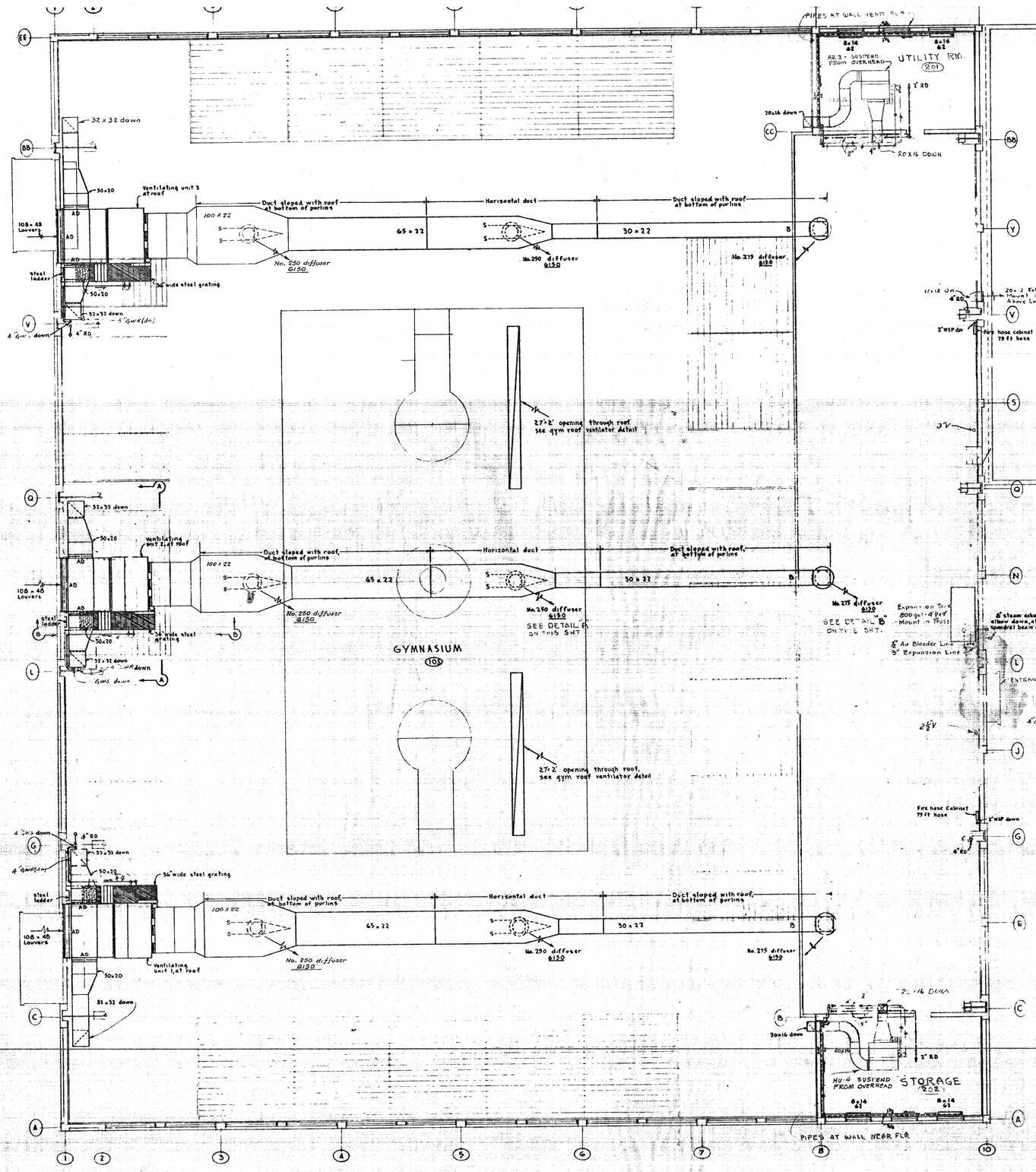
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
MECHANICAL
SECTOR I-PLUMBING & VENT.
GROUND FLOOR PLAN & DETAILS

RECOMMENDED: A.C. Thompson, PRIME CONTRACTOR
APPROVED: J.H. Mason Capt. Co., RESIDENT ENGINEER
DATE 6/4/57

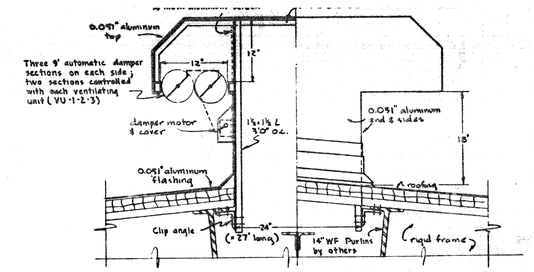
APPROVED
DATE 6/4/57

SCALE SHOWN
SPEC. NO.
DRAWING NUMBER AF 31-15-08
SHEET 39 OF 47

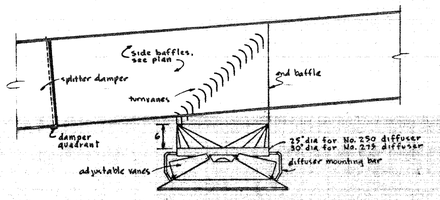
SERIAL NO. ENG. 95-507-55



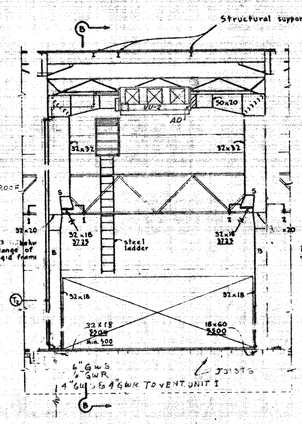
SECOND FLOOR PLAN · SECTOR 1
1/8" = 1'-0"



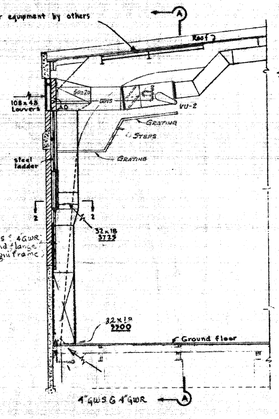
TYPICAL GYMNASIUM ROOF VENTILATOR DETAIL
1" = 1'-0"



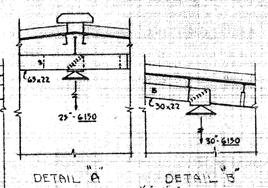
TYPICAL GYMNASIUM SUPPLY DUCT AND DIFFUSER DETAIL
NO SCALE



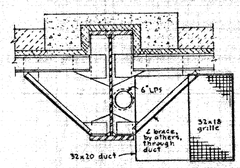
SECTION A-A
1/8" = 1'-0"



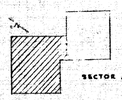
SECTION B-B
1/8" = 1'-0"



SCALE 1/8" = 1'-0"



PLAN DETAIL AT 1-1
DETAIL AT 2-2 SIMILAR
1/2" = 1'-0"



KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

REV.	DATE	E.C.A. ENG NO	ACTION	DESCRIPTION	BY	APP'D

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

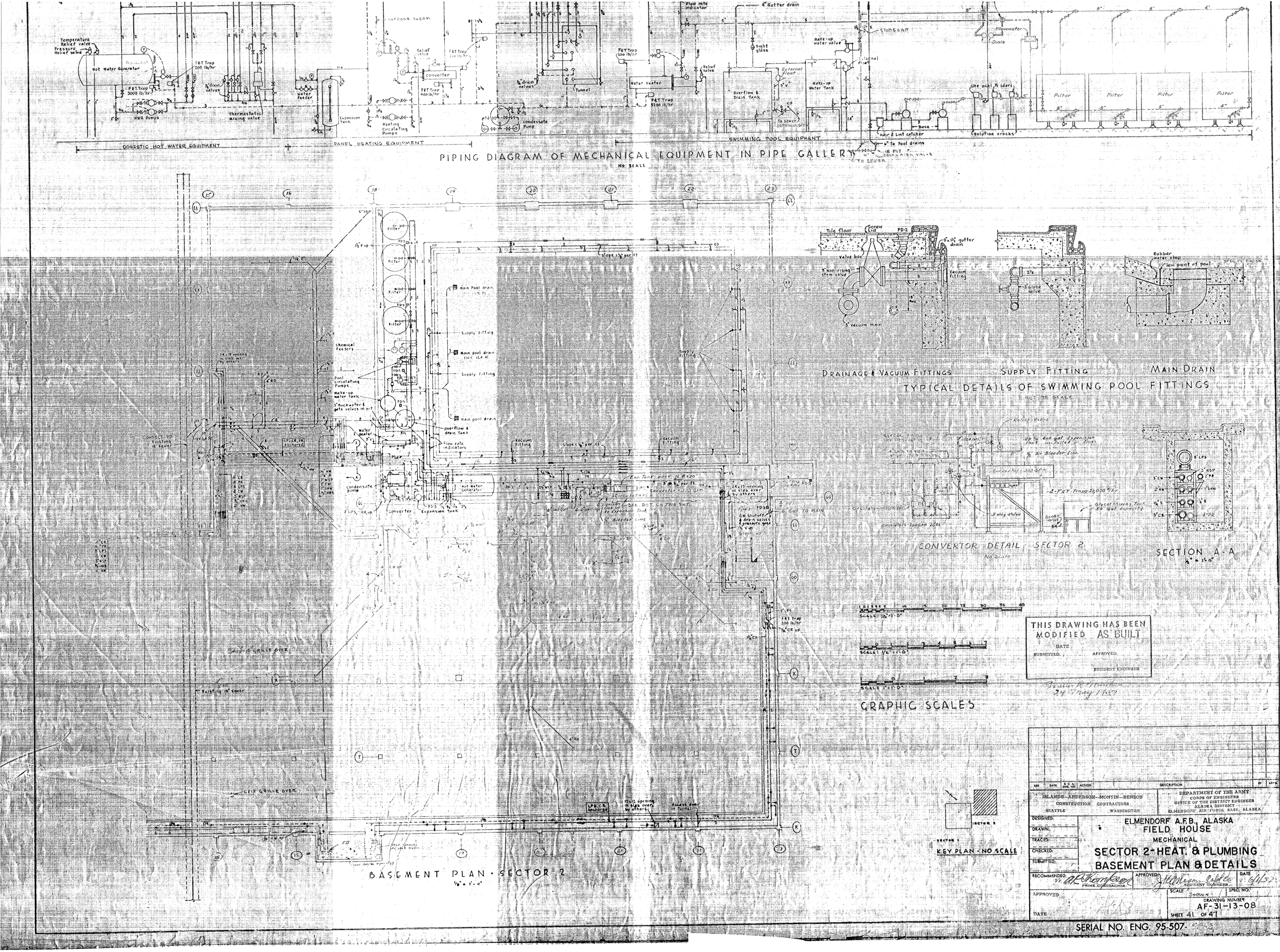
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

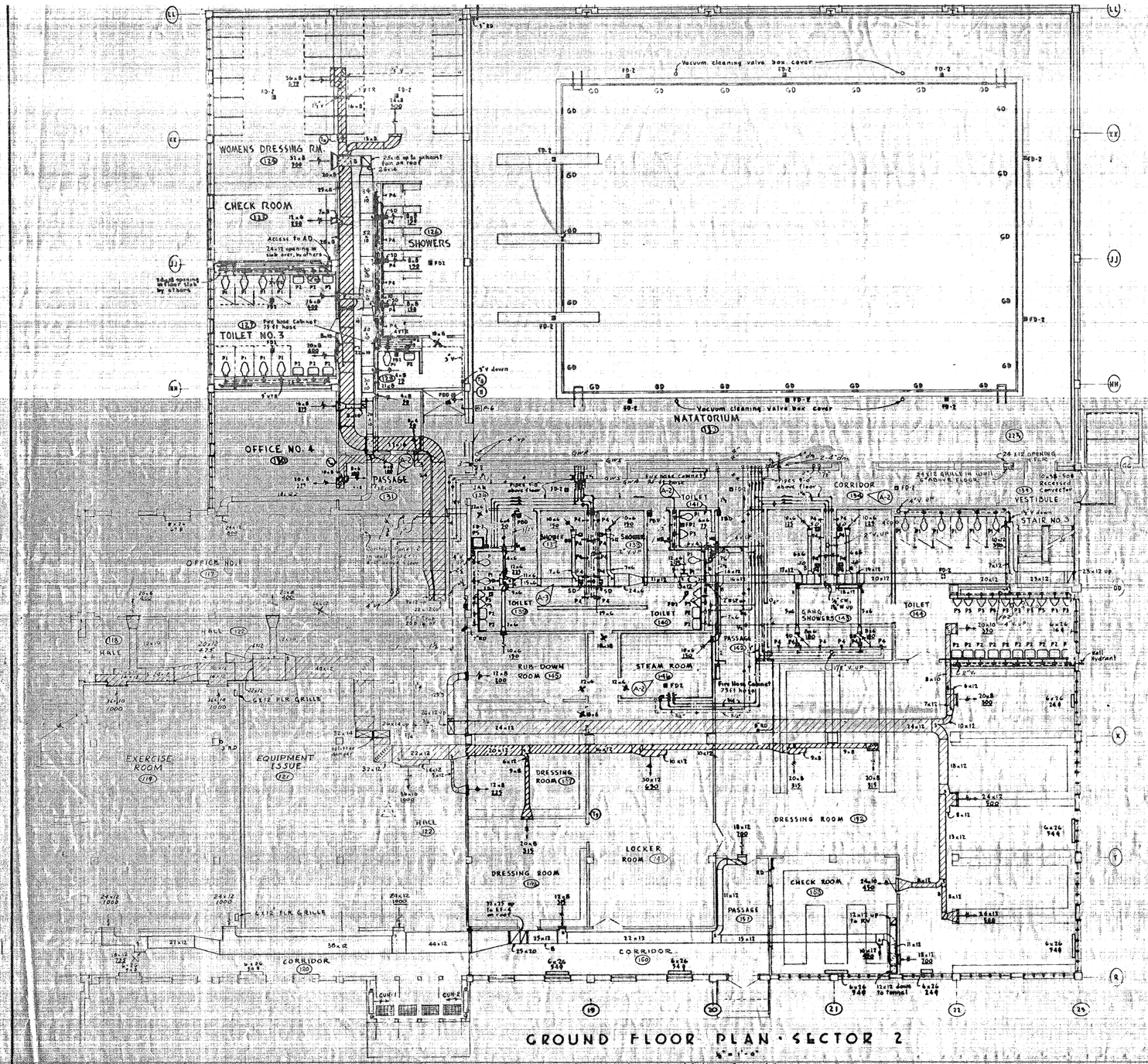
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
MECHANICAL
SECTOR I-HEATING & VENT.
SECOND FLOOR PLAN & DETAILS

RECOMMENDED: A.R. Tomlinson, PRIME CONTRACTOR
APPROVED: J.H. Mason Coffee, RESIDENT ENGINEER
DATE 6/1/52
APPROVED
DATE
SCALE SHOWN
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 40 OF 47

SERIAL NO. ENG. 95-507-55-52



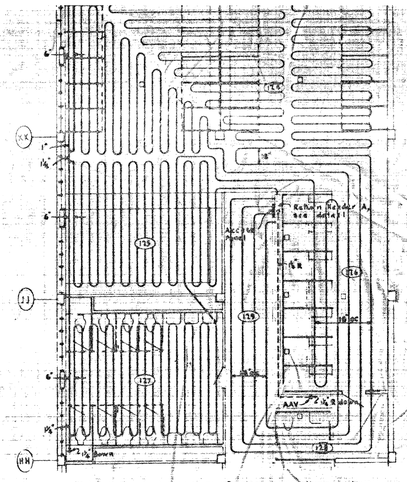
PIPING DIAGRAM OF MECHANICAL EQUIPMENT IN PIPE GALLERY
NO SCALE
DOMESTIC HOT WATER EQUIPMENT
PANEL HEATING EQUIPMENT
SWIMMING POOL EQUIPMENT
Temperature Relief valve
Pressure Relief valve
Hot Water Generator
F&T Trap 3000 lb/hr
F&T Trap 200 lb/hr
HWR Pumps
Thermostatic Mixing valve
Water Feeder
Expansion Tank
Heating Circulating Pumps
Converter
Condensate Pump
Tunnel
Water Heater
Overflow & Drain Tank
Make-up Water Tank
Make-up water valve
Flow rate indicator
4" Gutter drain
Flowmeter
Dials
Chemical Feeders
Filter
Solution crocks
Hair & Lint catcher
6" to Pool drains
IN PIT
TO SEWER
DRAINAGE & VACUUM FITTINGS
SUPPLY FITTING
MAIN DRAIN
TYPICAL DETAILS OF SWIMMING POOL FITTINGS
NOT TO SCALE
Tile floor
Screw Lid
Valve box
Vacuum fitting
Vacuum main
Globe valve
Rubber water stop
low point of pool
CONVERTOR DETAIL SECTOR 2
No Scale
SECTION A-A
1/4" = 1'-0"
Main Pool drain
Supply Fitting
Main pool drain
Overflow & drain Tank
Flow rate indicators
Vacuum Fitting
Chemical Feeders
Pool Circulating Pumps
Make-up water tank
Condensate pump
Converter
Expansion Tank
Hot Water Generator
Exp Tank over 12 Ø x 30
Circulators
Bleeder Line
Existing 18" sewer
GRAPHIC SCALES
SCALE 1/8" = 1'-0"
SCALE 1/4" = 1'-0"
SCALE 1" = 1'-0"
KEY PLAN - NO SCALE
SECTOR 1
SECTOR 2
BASEMENT PLAN · SECTOR 2
1/8" = 1'-0"
THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED:
APPROVED:
RESIDENT ENGINEER
24 May 1957
REV
DATE
R.C.A. ENG. NO.
ACTION
DESCRIPTION
BY
APP'D
ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
MECHANICAL
SECTOR 2-HEAT. & PLUMBING
BASEMENT PLAN & DETAILS
RECOMMENDED:
PRIME CONTRACTOR
APPROVED:
RESIDENT ENGINEER
DATE
6/1/57
APPROVED
DATE
SCALE
SHOWN
SPEC. NO.
DRAWING NUMBER
AF-31-13-08
SHEET 41 OF 47
SERIAL NO. ENG. 95-507



GROUND FLOOR PLAN · SECTOR 2

1/8" = 1'-0"

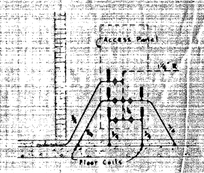
Note: Main ducts generally at bottom of second floor beams.



Note: all floor coils spaced on 12" centers unless otherwise shown.

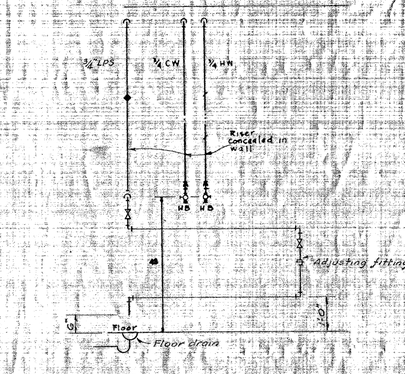
PART PLAN No. 1
FLOOR PANEL PIPING

1/8" = 1'-0"



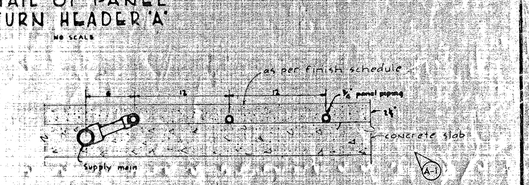
DETAIL OF PANEL RETURN HEADER 'A'

NO SCALE



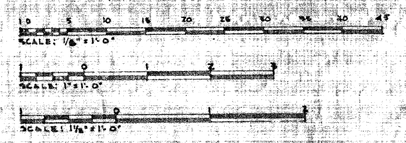
STEAM ROOM PIPING DIAGRAM

NO SCALE

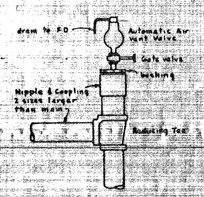


TYPICAL FLOOR PANEL DETAIL

1/4" = 1'-0"



GRAPHIC SCALES



TYPICAL AAV DETAIL

NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

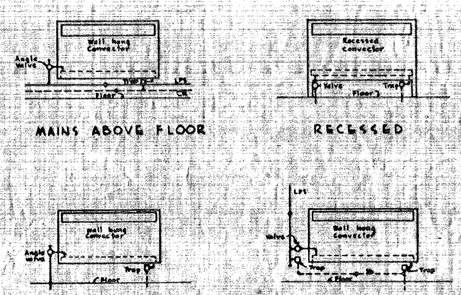
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER

Digitized Machine
27 May 1957

ELEVATION SECTION

TYPICAL CABINET UNIT HEATER DETAILS
VESTIBULE (121)

1" = 1'-0"



MAINS ABOVE FLOOR RECESSED

TYPICAL DOWNFEED

CONVECTOR CONNECTION DIAGRAMS

NO SCALE

CONVECTOR NOTES & SYMBOLS

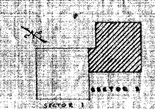
1- All convectors wall hung, sloping top type unless otherwise noted on plan.
2- All wall hung convectors mounted 6-in above floor
3- Symbols:

	Convector
6x26	6" wide, 26" high
49 ft	49 square feet EDR

CONVECTOR CONNECTION SCHEDULE

PIPE SIZE (INCHES)	SUPPLY: HORIZONTAL RUNOUTS UPFEED	SUPPLY: VALVES* AND VERTICALS	RETURN: HORIZONTAL RUNOUTS	RETURN: TRAPS
1/2	—	0-25 ft	—	0-120 ft
3/4	0-30 ft	26-100 ft	0-100 ft	120-250 ft
1"	30-75 ft	101-180 ft	—	—
1 1/4	75-105 ft	—	—	—

* Includes downfeed risers and runouts



KEY PLAN - NO SCALE

SYM	DATE	DR. & CHK. NO.	ACTION	DESCRIPTION	BY	APPD
A	JUN 10	9 SUR. 2	1959	REVISED FLOOR PANEL DETAIL & CHANGED ROOM NUMBERS. SUBDIVIDED TWO FLOOR DRAINS AND SHOWER STALLS IN ROOMS 131 AND 138	J.H.	

ISLANDS-ANDERSON-MONTIN-BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

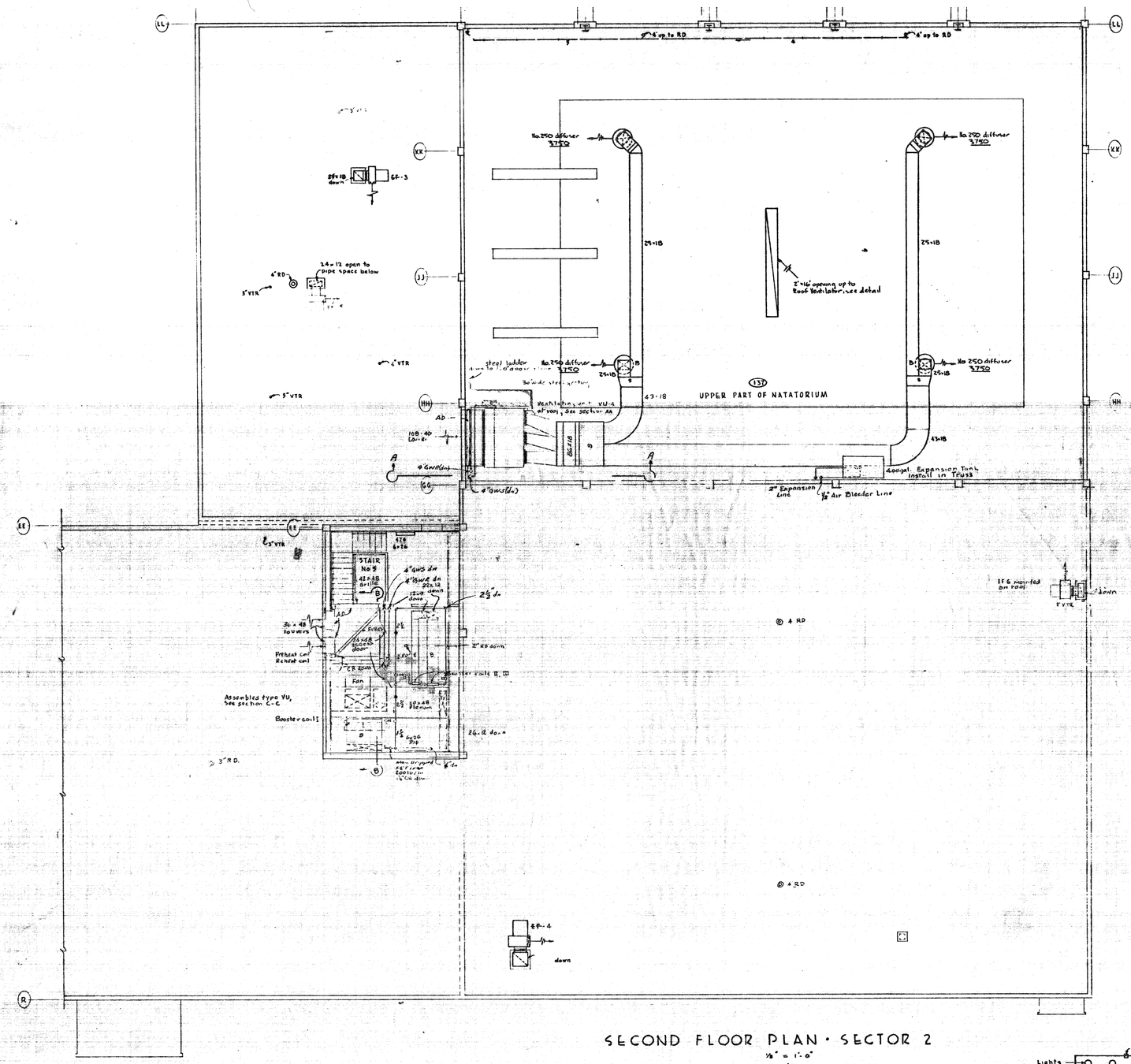
DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: A.R. Thompson, WHITE CONTRACTOR
APPROVED: J. Mason Cofer, RESIDENT ENGINEER
DATE 6/4/57
APPROVED:
DATE:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
MECHANICAL

SECTOR 2 - HEAT., VENT. & PLUMB. GROUND FLOOR PLAN & DETAILS

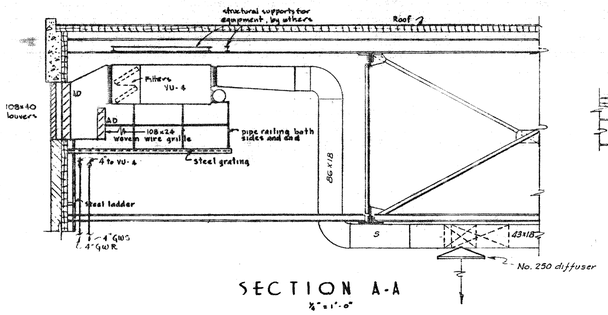
SCALE SHOWN
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 42 OF 41

SERIAL NO. EN 8-501/55-52



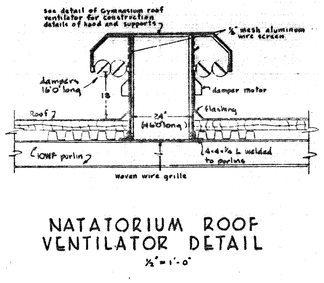
SECOND FLOOR PLAN · SECTOR 2

1/8" = 1'-0"



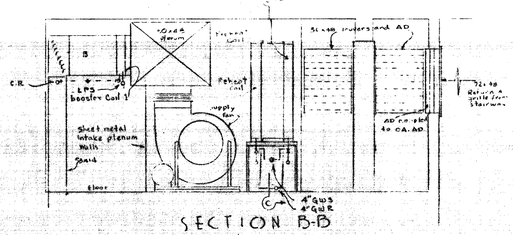
SECTION A-A

1/8" = 1'-0"



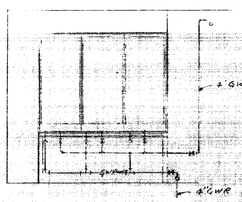
NATATORIUM ROOF VENTILATOR DETAIL

1/2" = 1'-0"



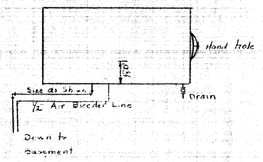
SECTION B-B

1/8" = 1'-0"



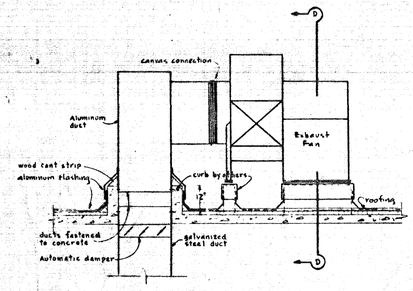
SECTION C-C

1/8" = 1'-0"



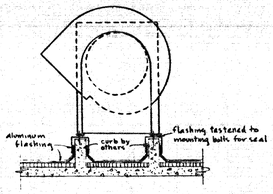
EXPANSION TANK

No Scale

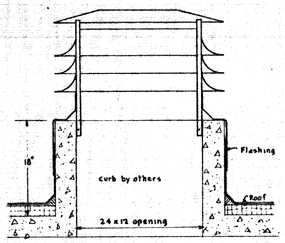


TYPICAL DETAIL OF EXHAUST FAN ON ROOF

NO SCALE

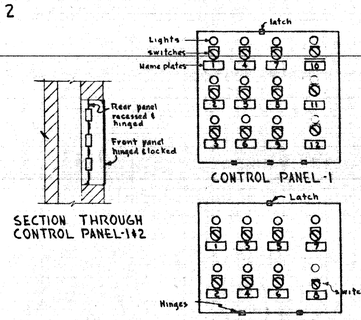


SECTION D-D



TYPICAL RECTANGULAR ROOF VENTILATOR DETAIL

1" = 1'-0"



SECTION THROUGH CONTROL PANEL-1&2

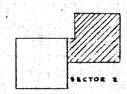
CONTROL PANEL-1	
Switch No.	Unit Controlled
1	VU-1,2,3
2	SPARE
3	SPARE
4	HU-1
5	HU-3
6	EF-1
7	HU-2
8	HU-4
9	EF-2
10	VU-1,2,3AD
11	SPARE
12	SPARE

CONTROL PANEL-2	
Switch No.	Unit Controlled
1	EF-3
2	EF-4
3	EF-5
4	EF-6
5	CUH-1&2
6	Aux. VU4
7	VU-4
8	SPARE

Note: EF switches for EF 3,4,5, VU, & 6 are three position, & CUH, HU, & EF 1&2 switches are two position; rotary selector switches with lights; type for surface mounting.
- Damper switches are modulating type with index to show amount of outside air; type for surface mounting.
- Nameplate under each switch to indicate unit controlled.

CONTROL PANEL DETAILS

NO SCALE



KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED: APPROVED:

RESIDENT ENGINEER

REV	DATE	S.C.S. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D

ISLANDS—ANDERSON—MONTIN—BENSON
CONSTRUCTION CONTRACTORS
SEATTLE — WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
MECHANICAL
SECTOR 2-HEATING & VENT.
SECOND FLOOR PLAN & DETAILS

RECOMMENDED: PRIME CONTRACTOR — APPROVED: RESIDENT ENGINEER — DATE 6/1/52

APPROVED

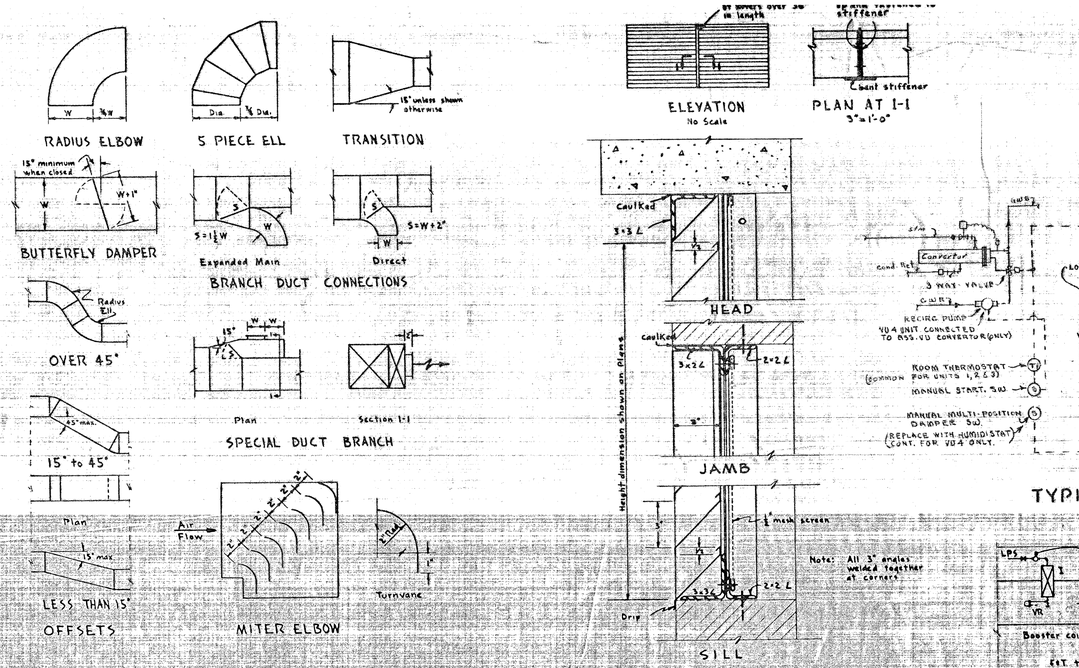
DATE

SCALE SHOWN — SPEC. NO.

DRAWING NUMBER AF-31-13-08

SHEET 43 OF 41

SERIAL NO. ENG. 95-507-55-52

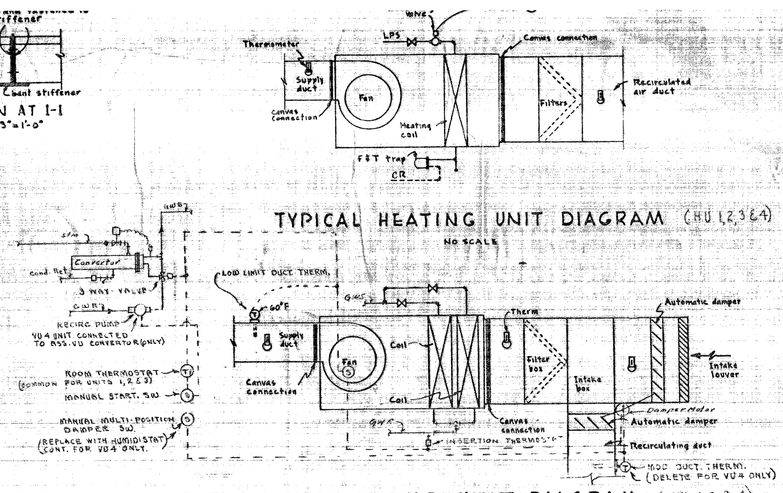


TYPICAL DUCT CONSTRUCTION DETAILS

NO SCALE

TYPICAL LOUVER DETAILS

3"=1'-0"



TYPICAL HEATING UNIT DIAGRAM (HU 1,2,3 & 4)

NO SCALE

TYPICAL VENTILATING UNIT DIAGRAM (VU. 1,2,3,4)

NO SCALE

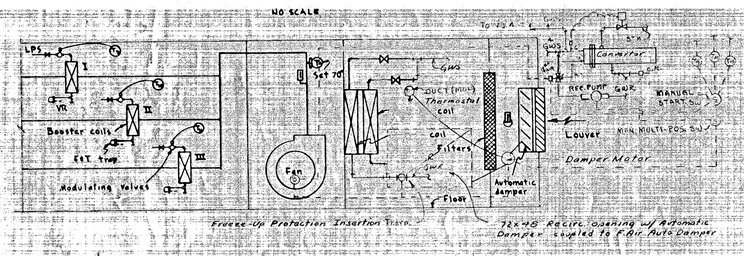


DIAGRAM OF ASSEMBLED TYPE VU

NO SCALE

EQUIPMENT CAPACITIES & CHARACTERISTICS

1. HEATING AND VENTILATING UNITS: As follows, with static pressure shown external to unit, and with steam at 10 psi, glycol water (15°-210°) - 2 psi drop through the control valve:

UNIT	FANS: AIR VOL. CFM	FANS: S.P., IN. WATER	FANS: MAX. G.V. FPM	FANS: MAX. T.S. RPM	COILS: MIN. F.A. SQ. FT	COILS: TEMPERATURE RISE-°F	COILS:	COILS: HEATING LOAD
HU-1	750	1/4	1200	2150	1.5	45 TO 150	—	85 M/hr
HU-2	750	1/4	1200	2150	1.5	45 TO 150	—	85 M/hr
HU-3	2500	3/8	1400	2450	4.0	45 TO 150	—	135 M/hr
HU-4	2500	3/8	1400	2450	4.0	45 TO 150	—	135 M/hr
VU-1	18500	3/8	1400	2450	25.0	-10 TO 86	—	1155 MBH
VU-2	18500	3/8	1400	2450	25.0	-10 TO 80	—	1000 MBH
VU-3	18500	3/8	1400	2450	25.0	-10 TO 86	—	1155 MBH
VU-4	15000	3/8	1400	2450	22.0	-10 TO 86	—	1155 MBH
Assy VU	10850	3/8	1400	2450		-10 TO 32		1000 MBH

F&T TRAPS: CAPACITY 50% GREATER THAN RESPECTIVE AUTOMATIC VALVE

2. BOOSTER COILS: As follows, with steam at 10 psi and 2 psi drop through the control valves:

COIL	AIR VOL. CFM	MIN. F.A. SQ. FT.	TEMPERATURE RISE-°F	AUTOMATIC VALVE-lb/hr	F&T TRAP lb/hr
I	6075	12.0	70 TO 95	144	300
II	330	1.0	70 TO 95	15	200
III	1825	2.5	70 TO 95	50	200

3. EXHAUST FANS: Forward curved blades, class I, arrangement 3 and as follows:

CENTRIFUGAL

FAN	AIR VOL. CFM	S.P., IN. WATER	MAX. G.V. FPM	MAX. T.S. RPM
EF-1	775	1/8	1000	1600
EF-2	575	1/8	1000	1600
EF-3	3150	1/4	1100	1700
EF-4	5900	1/4	1100	1700
EF-5	4125	1/4	1100	1700
EF-6	1975	1/4	1100	1700

PROPELLER

FAN	AIR VOL. CFM	S.P., IN. WATER	MAX. G.V. FPM	MAX. T.S. RPM
PF-1	300	1/8	1000	1600

4. CABINET UNIT HEATERS (CUH): Each to supply 600 cfm heated from 45°F to 140°F with steam at 10 psi and maximum fan speed of 1000 RPM.

5. CONVECTORS: # 608 shown, rated with 65°F entering air and steam at 10 psi.

6. PRESSURE REDUCING VALVE (STEAM): Capacity with steam at 120 psi inlet pressure and 10 psi set pressure, as follows: PRV-1, 2500 lb/hr PRV-2, 1000 lb/hr.

7. SAFETY VALVE (STEAM): 12500 lb/hr, set at 10 psi.

8. CONDENSATE PUMP: Duplex unit for 15000 # DDR. 112.5 G.P.M. [illegible] Pressure 570 gal. receiver capacity.

9. PANEL HEATING EQUIPMENT:
   a. Converter: To heat 7 GPM of water from 80°F to 105°F with steam at ½ psi. Max water velocity in tubes - 5 FPS. Max friction head - 2 ft.
   b. Automatic steam valve: 77 lb/hr of steam at 10 psi and 2 psi drop.
   c. 3-way Mixing valve: 7 GPM combined discharge with 1 psi pressure drop.
   d. Circulating Pump: [illegible] GPM at [illegible] ft. head, each pump.
   e. Expansion Tank: 18-inch dia., 35 gal. capacity.
   f. Water Feeder Valve: Set for 15 psi.
   g. Relief valve: 15 GPM. Set for 30 psi.

10. HOT WATER GENERATOR AND ACCESSORIES:
   a. Tank: 2000 gal. 66-inch dia.
   b. Heater: 35 square ft. heating surface.
   c. Thermostatic steam valve: 1475 lb/hr of steam at 10 psi and 2 psi drop.
   d. HW Recirculating Pump: Each, 5 GPM at 10-ft. head.
   e. Thermostatic Mixing Valve: 35 GPM at 40 psi inlet pressure and 25 psi outlet pressure.

11. SWIMMING POOL EQUIPMENT:
   a. Filters: each, 115 GPM.
   b. Circulating Pumps: each, 345 GPM at 50 ft. head, with max motor size of 7½ HP.
   c. Water Heater: To heat 345 GPM of water from 40°F to 70°F with steam at 10 psi. Max water velocity in tubes - 5 FPS. Max friction head - 4 ft.
   d. Automatic Steam Valve: 5200 lb/hr of steam at 10 psi and 2 psi drop.
   e. Make up Water Tank: 4-ft. dia., 5-ft high.
   f. Make up Water Valve: 350 GPM at 25 psi inlet pressure.
   g. Chemical Feeders: Each, adjustable capacity range of 2 to 65 gal. solution per 24 hrs.
   h. Overflow & Drain Tank: 735 gal. Set down 4.5 ft. high, mounted on [illegible]

12. GLYCOL WATER HEATING EQUIPMENT:

SECTOR 1:
   a. Circulators - each 735 GPM @ 20' hd. - 2 required
   b. Converter - 735 GPM - 190° to 210°F - 7850 MBH - 10 psig steam - 1 req'd
   c. Expansion Tank - Steel - Size as indicated on Sheet 40 - 1 req'd.
   d. Mixing Tank - 50 Gal. capacity - 1 req'd.

Sector 2:
   a. Circulators - 2 @ 200 GPM @ 22 Hd. & 16 @ 120 GPM @ 20' Hd.
   b. Converter - 323 GPM - 190° to 210°F - 2235 MBH - 10 psig steam - 1 req'd
   c. Expansion Tank - Size as indicated on Sht 43 - 1 req'd.
   d. Mixing Tank - 50 Gal. capacity - 1 req'd.

NOTES:
1. Provide 2 hydrometers for testing mixture of Glycol & Water.
2. Mixture shall be 55% glycol by volume. (Prestone Glycol)
3. Provide Specific Gravity tube to be placed on Roof adjacent to Hydrometers (See Sht 38)

THERMOSTAT SCHEDULE		
Thermostat	Type	Controlled Unit
T_1	Room	VU-1 heat. coil
		VU-2 heat. coil
		VU-3 heat. coil
T_4	Room	HU-1 Heating coil
T_5	Room	HU-2 Heating coil
T_6	Room	HU-3 Heating coil
T_7	Room	HU-4 Heating coil
T_8	Room	VU-4 Heating coil
T_9	Room	Booster coil I
T_{10}	Room	Booster coil II
T_{11}	Room	Booster coil III
T_{12}	Duct	VU-1 Damper Cont.
T_{13}	Duct	VU-2 Damper Cont.
T_{14}	Duct	VU-3 Damper Cont.
T_{15}	Outside	Panel Htg. Mixing valve
T_{16}	Room	Wall Htr. Fan (TFT)
T_{17}	Duct	Assd VU Heating Coil
T_{18}	Duct	Assd VU Damper Cont.

SCHEDULE OF PLUMBING FIXTURE PIPE CONNECTIONS				
Fixture	Connection Size: Waste	Cold water	Hot water	Vent
P-1	4	1"	—	2
P-2	1½	½	½	1½
P-3	2	¾	—	1½
P-4	2	½	½	—
P-5	3	½	½	1½
P-6	1½	½	—	1½
P-7	1½	½	½	1½

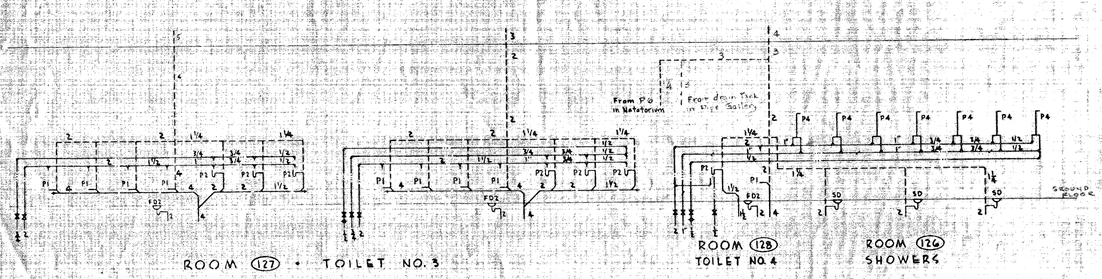
THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED: APPROVED:

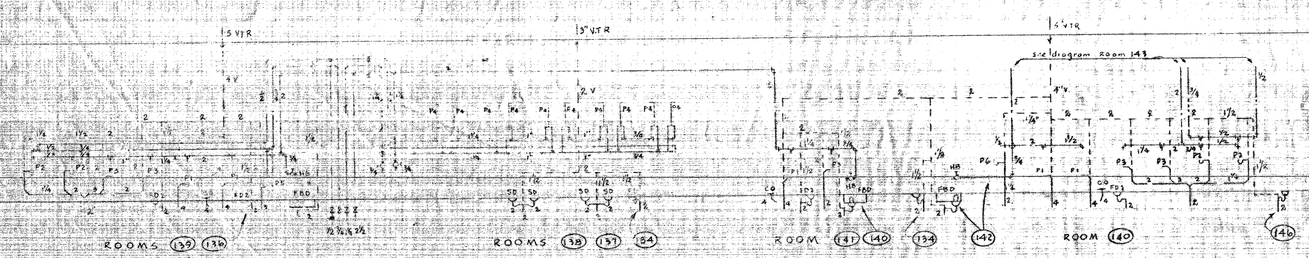
RESIDENT ENGINEER

Walter R. Mucher
24 May 1957



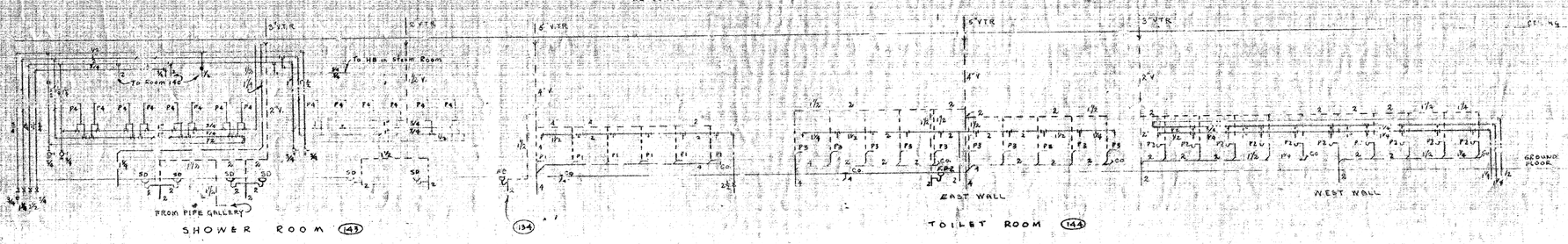
PLUMBING DIAGRAMS - SECTOR 2

NO SCALE



PLUMBING DIAGRAMS - SECTOR 2

NO SCALE



PLUMBING DIAGRAMS - SECTOR 2

NO SCALE

REV.	DATE	L.C. SHT. NO.	ACTION	DESCRIPTION	BY	AP.

ISLANDS—ANDERSON—MONTIN—BENSON CONSTRUCTION CONTRACTORS SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY CORPS OF ENGINEERS OFFICE OF THE DISTRICT ENGINEER ALASKA DISTRICT ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED: DRAWN: TRACED: CHECKED: SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
MECHANICAL

MECHANICAL DETAILS

RECOMMENDED: PRIME CONTRACTOR APPROVED: RESIDENT ENGINEER DATE 6/4/57

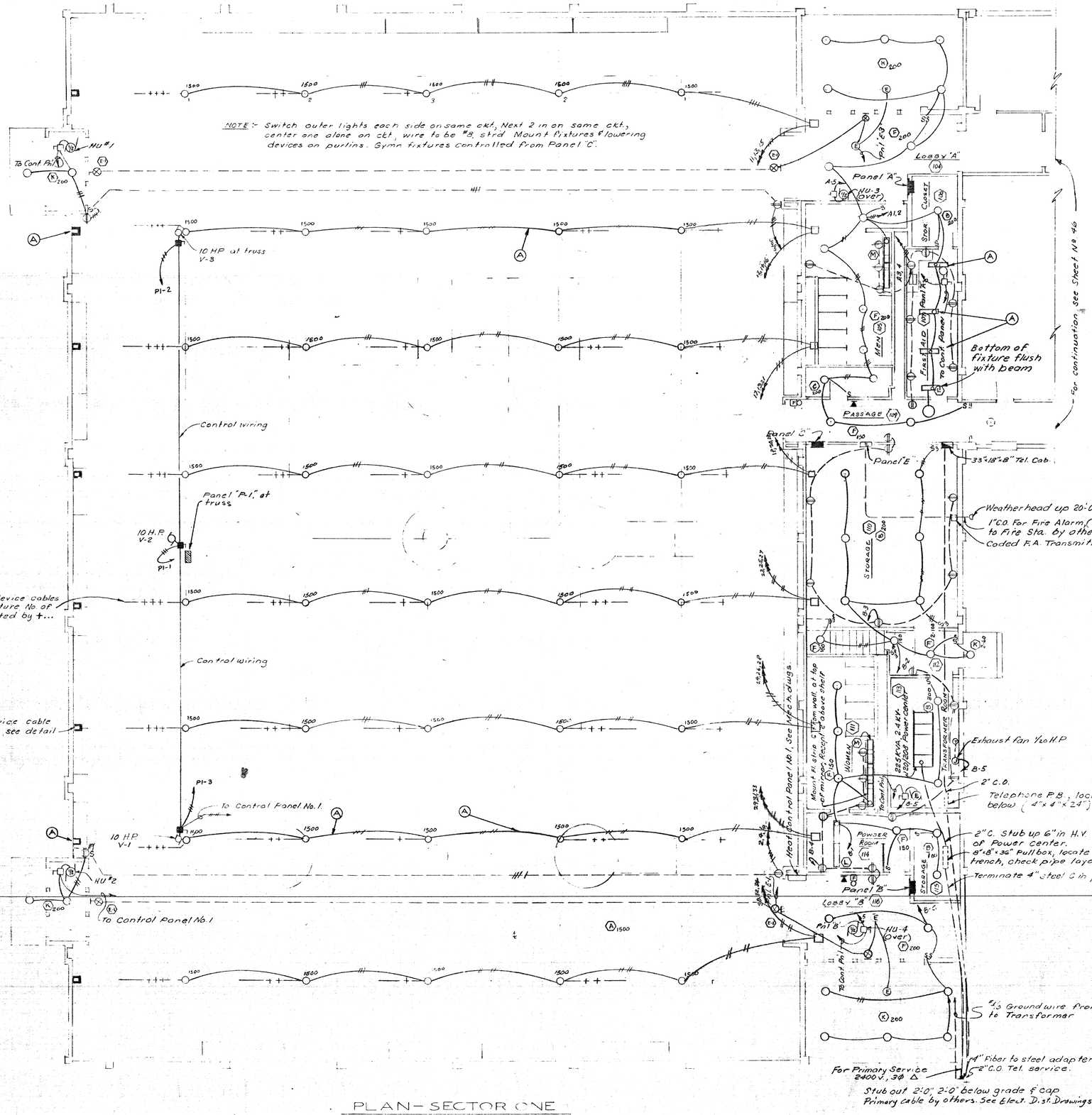
APPROVED DATE

SCALE: SHOWN SPEC. NO.

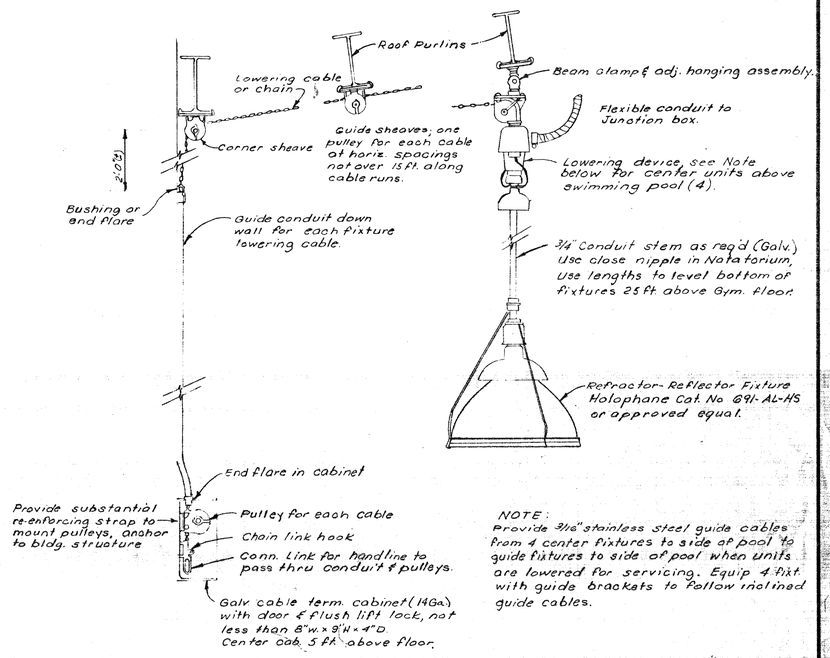
DRAWING NUMBER AF-31-13-08

SHEET 44 OF 41

SERIAL NO. ENG. 95-507.55-52



PLAN - SECTOR ONE
Scale: 1/8" = 1'-0"



NOTE:
Provide 3/16" stainless steel guide cables from 4 center fixtures to side of pool to guide fixtures to side of pool when units are lowered for servicing. Equip 4 fixt. with guide brackets to follow inclined guide cables.

DETAIL OF FIXTURE LOWERING DEVICE
Not to Scale

NOTES :-

1.- For control of heat & vent, exhaust fans, & unit heaters; see Mech. Spec's & dwgs.
2.- Fire alarm break glass sta. are combination w/8" Bell and connected in Sect. 1 & 2 to Panel "E-1."
3.- CLOCK OUTLET UP 7'-6" unless otherwise noted

THIS DRAWING HAS BEEN MODIFIED AS BUILT
RESIDENT ENGINEER

REV.	DATE	R.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D
A	1 JUN 56	9 Supp 1-2	23 Dec 1955	RELOCATED FIXTURES	CDC	[illegible]

ISLANDS ANDERSON MONTIN BENSON
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

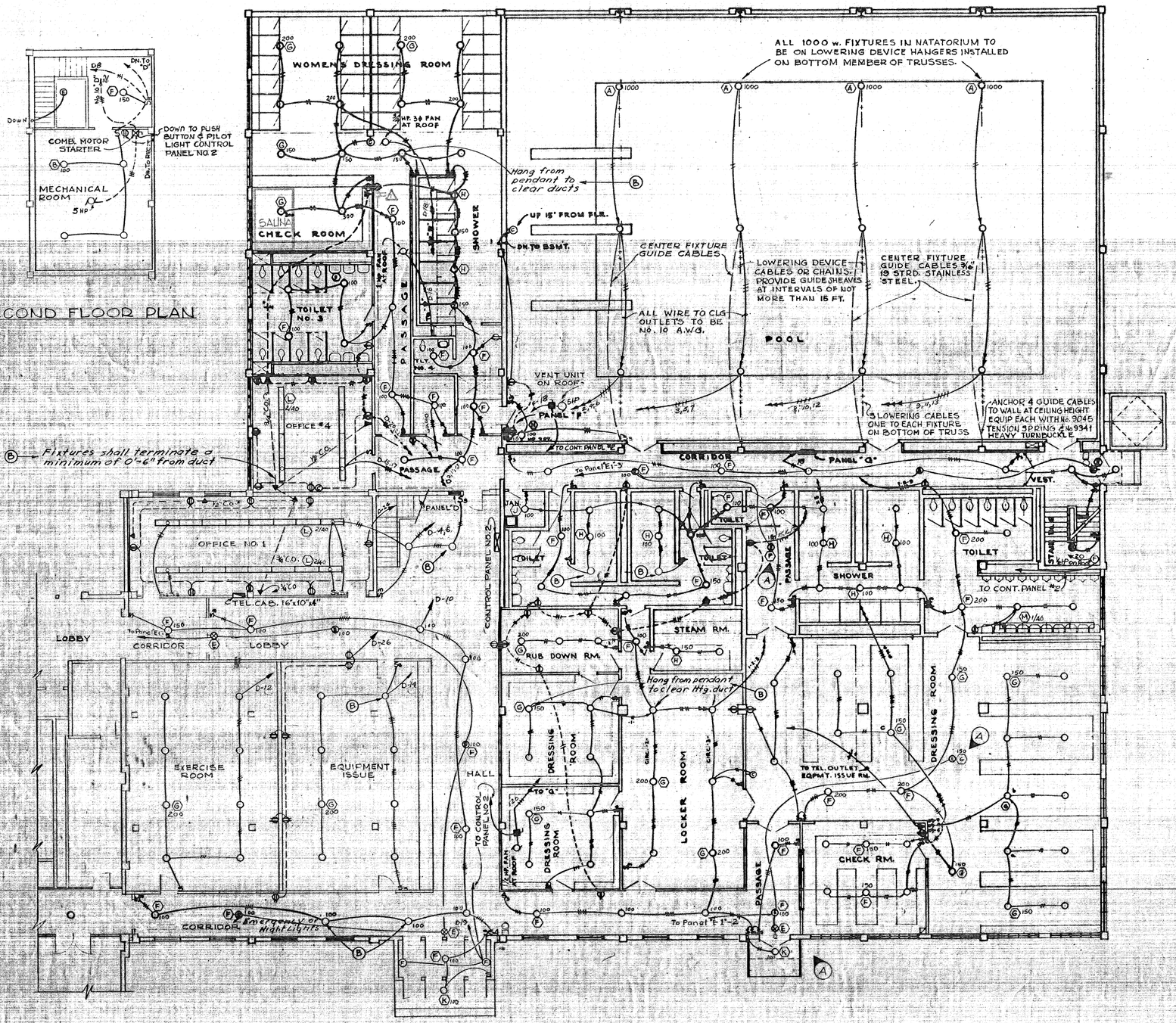
DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ELECTRICAL
SECTOR I
PLAN & DETAILS

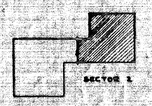
RECOMMENDED: [signature] PRIME CONTRACTOR
APPROVED: [signature] RESIDENT ENGINEER
DATE 6/4/57
APPROVED
DATE
SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 45 OF 47

SERIAL NO. ENG. 95-507-55-52



GROUND FLOOR PLAN SECTOR 2.

SCALE 1/8" = 1'-0"



KEY PLAN - NO SCALE

THIS DRAWING HAS BEEN MODIFIED AS BUILT

DATE

SUBMITTED: APPROVED:

RESIDENT ENGINEER

Walter R. Michaw
24 May 1957

REV.	DATE	B.C. & MOD. NO.	ACTION	DESCRIPTION	DR.	CK.
C	6/11	Suppl-2	23	NEW HAIR DRYER & SAUNA CIRCUIT		
B	13JUN56			Relocated Fixtures.	TDC	
A	8/11/55			Revised in accordance with Add #5	mcl	

ISLANDS—ANDERSON—MONTIN—BENSON C
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
ANCHORAGE DISTRICT
ALASKAN AIR COMMAND BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:

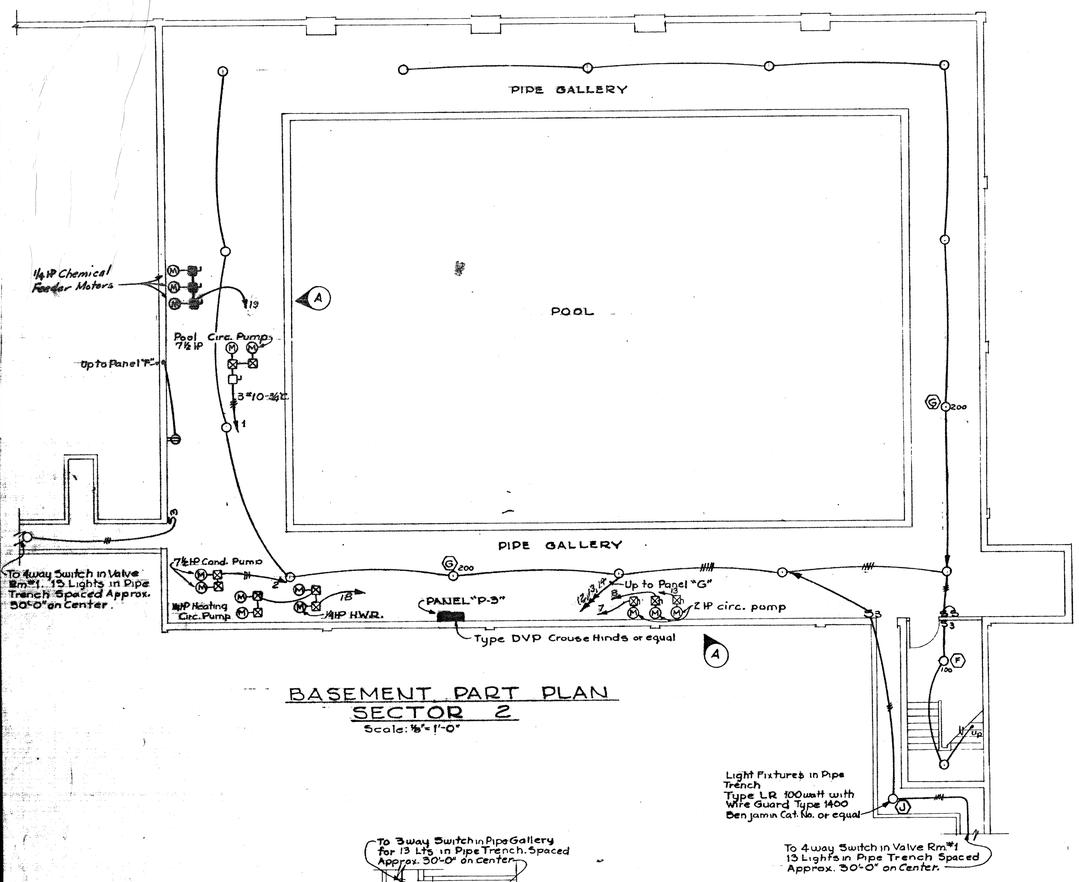
ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ELECTRICAL
SECTOR 2
GROUND FLOOR PLAN

RECOMMENDED: A. R. Thompson, CHIEF, CONSTRUCTION DIVISION
APPROVED: J. K. Mason, Colonel, CORPS OF ENGINEERS, DISTRICT ENGINEER
DATE: 6/1/52

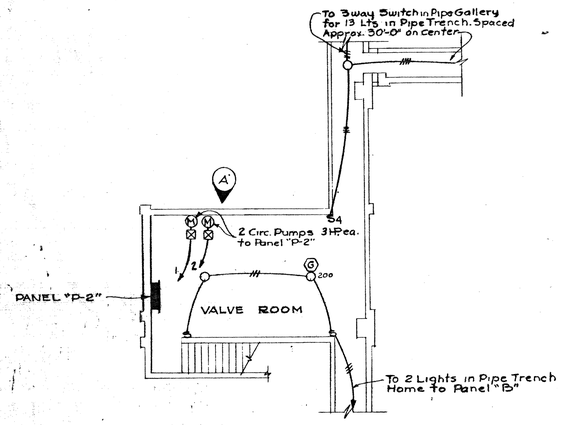
APPROVED:
DATE:

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-08
SHEET 46 OF 47

SERIAL NO. ENG. 95-507-55



BASEMENT PART PLAN
SECTOR 2
Scale: 1/8" = 1'-0"



BASEMENT PART PLAN
SECTOR 1
Scale: 1/8" = 1'-0"

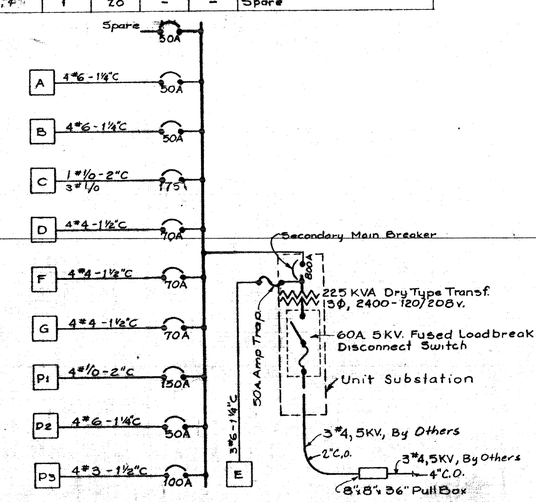
PANEL SCHEDULES

TYPE: 120/208 v. 3 Φ 4 Wire

PANEL NO.	CIRCUIT NO.	BREAKER POLES	BREAKER TRIP	WIRE NO.	WIRE SIZE	REMARKS
PANEL "A" Main Lugs Only	1-2	1	20	2	12	Men, First Aid, & Lobby Lights
	3-4	1	20	2	12	" " " Receptacle
	5	1	20	2	12	1Φ 120v. 1/2 HP HU-3, 2 Exh. Fans
	6-8	1	20	–	–	Spare
PANEL "B" Main Lugs Only	1-2	1	20	2	12	Women, Trans & Rm & Stor. Lights
	3-4	1	20	2	12	" " " Recept.
	8	1	20	2	12	1Φ 120v 1/2 HP H.U.-4
	6	1	20	2	12	Lobby lights
	7-5	1	20	–	–	Spare
PANEL "C" Main Lugs Only	11-34	1	30	2	8	Gym Lights (See Plan)
	1,5,2,6	1	20	2	12	Gym Receptacles
	3,4	1	20	2	12	HU #1 & #2 1/2 HP 1Φ 110 v.
	7-10	1	20	–	–	Spare
PANEL "D" Main Lugs Only	3-17	1	20	2	12	Women's D.R., Office & Equip. Lts
	25,22,24,26	1	20	2	12	" " " " Recept.
	18	3	15	3	12	1Φ 208v 1 HP Fan Unit EF-5
	21	3	15	3	12	1Φ 208v 3/4 HP Fan Unit EF-3
	13	1	15	2	12	1Φ 120v F/HP CUH #1 & #2
	23	3	40	3	10	3Φ 208v 5 HP Assy. Vent Unit.
	28	1	20	–	–	Spare
	1-2	3	20	–	–	Spare
PANEL "E" Main Lugs Only	2-13	1	20	2	10	Pool Ceiling Lts
	15-16	1	20	2	12	Bracket Lt. & Receptacles
	18	3	40	3	10	3Φ 208v 5 HP Vent Unit #4
	1	3	20	–	–	Spare
	14,17	1	20	–	–	Spare
PANEL "G" Main Lugs Only	1-11	1	20	2	12	Men's Dressing Rm Lights
	12-14	1	20	2	12	" " " Recept.
	15-17	1	20	2	12	Basement & Pipe Trench Lts.
	18	1	20	2	12	Corridor Lights
	20	3	15	3	12	3Φ 208v 1 1/2 HP Fan EF-4
	19	1	20	2	12	1Φ 120v 1/2 HP Fan EF-6
	22	3	20	–	–	
PANEL "P-1" Main Lugs Only	1	3	70	3	8	3Φ 208v 5 HP Vent. Unit #1
	2	3	70	3	8	3Φ 208v 5 HP Vent Unit #2
	3	3	70	3	8	3Φ 208v 5 HP Vent Unit #3
	4	3	70	–	–	Spare
PANEL "P-2" Main Lugs Only	5	3	30	3	12	3Φ 208v 1/2 HP Circ. Pump
	6	3	30	3	12	3Φ 208v 1/2 HP Circ. Pump
	1-4	3	20	–	–	Spare
PANEL "P-3" Main Lugs Only	1	3	50	3	10	3Φ 208v 7 1/2 HP Pool Circ. Pump
	2	3	50	3	10	3Φ 208v 5 HP Cond. Pump
	18	1	20	2	12	1Φ 120v 1/6 HP Circ. Pump & H.W.R.
	7,9,13	3	15	3	12	3Φ 208v 2 HP Circ. Pump
	19	1	20	2	12	1Φ 120v 1/6 HP Chemical Feeders
	14	3	20	–	–	Spare
	17	1	20	–	–	Spare
PANEL "E" 50A Ckt. Bkr. 120/208 1Φ 3W	1,3	1	20	2	12	Exit & Emergency Lts Sector #1
	2	1	20	2	12	Exit & Emergency Lts Sector #2
	5	1	20	2	14	Fire Alarm System " "
	6-4	1	20	–	–	Spare

FIXTURE SCHEDULE

FIXTURE SYMBOL	FIXTURE TYPE
A	Holophane No. 691-AL-H3 or equal
B	I, Corps of Eng. Dwg. No. 40-06-04 Sheet 3
C	I with wire guard " " " "
E	X-4 Corps of Eng Dwg. No. 40-06-04 Sheet 23
EE	X-4 with wire guard " " "
F	EC-1, Corps of Eng Dwg. No. 40-06-04 Sht 12
G	Glassteel Diffuser R.L.M.
H	VG. Ceiling Mount. Corps of Eng. Dwg. No. 40-06-04 Sht 10
J	LR " " " " " Sht 2
K	CL " " " " " Sht 19
L	F-13 or F-14 " " " " Sht. 45
M	F-2 " " " " Sht. 40



RISER DIAGRAM
Not to Scale.

THIS DRAWING HAS BEEN MODIFIED AS BUILT
DATE
SUBMITTED: APPROVED:
RESIDENT ENGINEER
Frederick Anderson
24 May 1957

REV.	DATE	E.C.A. ENG. NO.	ACTION	DESCRIPTION	BY	APP'D.
A	4/28/55			Revised in accordance with Add. #2	mk	

ISLANDS—ANDERSON—MONTIN—SENSOR
CONSTRUCTION CONTRACTORS
SEATTLE WASHINGTON

DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS
OFFICE OF THE DISTRICT ENGINEER
U.S. ALASKA DISTRICT
ELMENDORF AIR FORCE BASE, ALASKA

DESIGNED:
DRAWN:
TRACED:
CHECKED:
SUBMITTED:
RECOMMENDED: A R Thompson, PROJECT ENGINEER
APPROVED: J H Mason Capt CE, RESIDENT ENGINEER
DATE: 4/28/55
APPROVED
DATE

ELMENDORF A.F.B., ALASKA
FIELD HOUSE
ELECTRICAL
SECTORS 1 & 2
PLANS & SCHEDULES

SCALE
SPEC. NO.
DRAWING NUMBER AF-31-13-06
SHEET 41 OF 47

SERIAL NO. ENG. 95-507-55-52