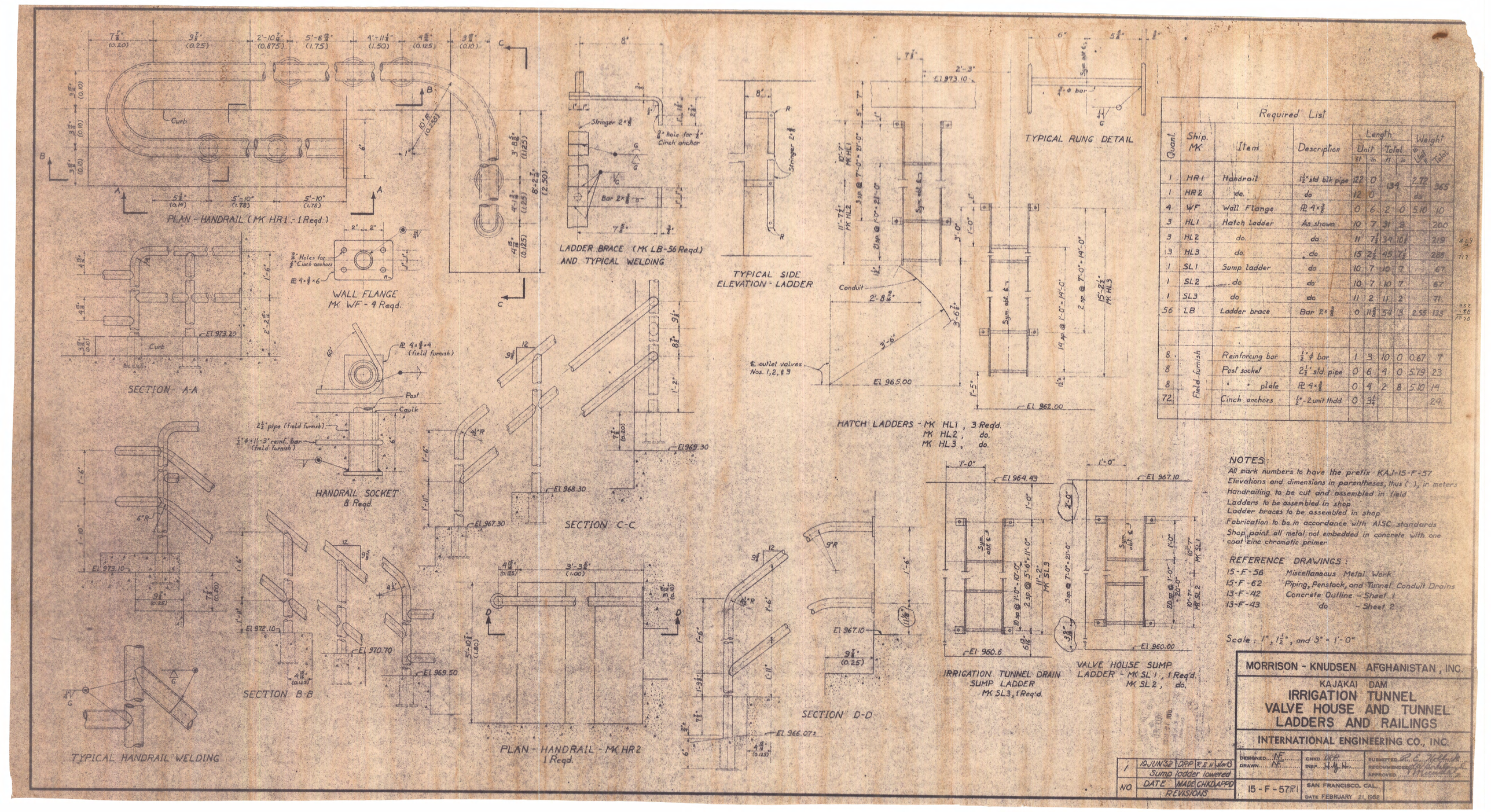

Required List

Quant.	Ship. MK	Item	Description	Length Unit ft	Length Unit in	Length Total ft	Length Total in	Weight Unit Lbs	Weight Total
1	HR1	Handrail	1½" std. blk pipe	122	0	134		2.72	365
1	HR2	do.	do	12	0			do	
4	WF	Wall Flange	PL 4×⅜	0	6	2	0	5.10	10
3	HL1	Hatch Ladder	As shown	10	7	31	8		200
3	HL2	do.	do	11	7½	34	10½		219
3	HL3	do.	do	15	2½	45	7½		288
1	SL1	Sump ladder	do	10	7	10	7		67
1	SL2	do	do	10	7	10	7		67
1	SL3	do	do	11	2	11	2		71
56	LB	Ladder brace	Bar 2×⅜	0	11⅝	54	3	2.55	138
8	Field furnish	Reinforcing bar	½"φ bar	1	3	10	0	0.67	7
8		Post socket	2½" std. pipe	0	6	4	0	5.79	23
8		" " plate	PL 4×⅜	0	4	2	8	5.10	14
72		Cinch anchors	½"-2 unit thdd.	0	3¼				24

NOTES:

All mark numbers to have the prefix KAJ-15-F-57
Elevations and dimensions in parentheses, thus ( ), in meters
Handrailing to be cut and assembled in field
Ladders to be assembled in shop
Ladder braces to be assembled in shop
Fabrication to be in accordance with AISC standards
Shop paint all metal not embedded in concrete with one coat zinc chromatic primer

REFERENCE DRAWINGS:

15-F-56	Miscellaneous Metal Work
15-F-62	Piping, Penstock, and Tunnel Conduit Drains
13-F-42	Concrete Outline - Sheet 1
13-F-43	do - Sheet 2

Scale: 1", 1½", and 3" = 1'-0"

NO.	DATE	MADE	CHKD	APPD	REVISIONS
1	19 JUN '52	DRP	R.E.H.	Sleb	Sump ladder lowered

MORRISON - KNUDSEN AFGHANISTAN, INC.

KAJAKAI DAM

IRRIGATION TUNNEL
VALVE HOUSE AND TUNNEL
LADDERS AND RAILINGS

INTERNATIONAL ENGINEERING CO., INC.

DESIGNED NE DRAWN NE CHKD NE INSP. N.M. Nr. SUBMITTED RECOMMENDED APPROVED

15-F-57R1

SAN FRANCISCO, CAL.
DATE FEBRUARY 21, 1952