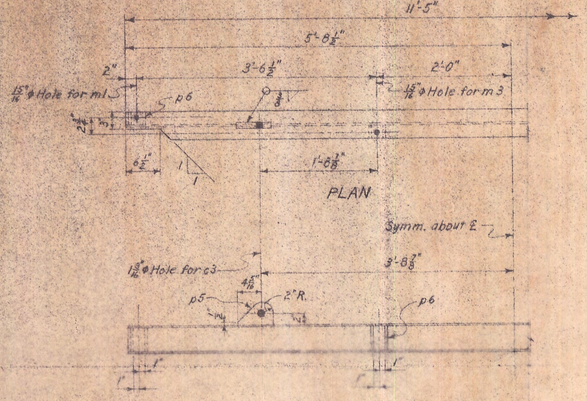
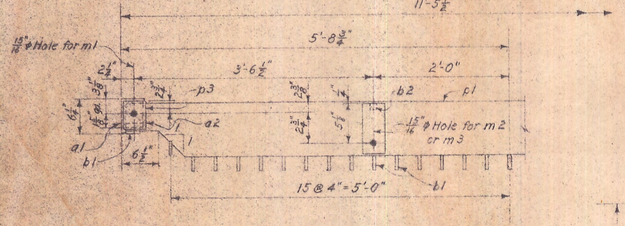
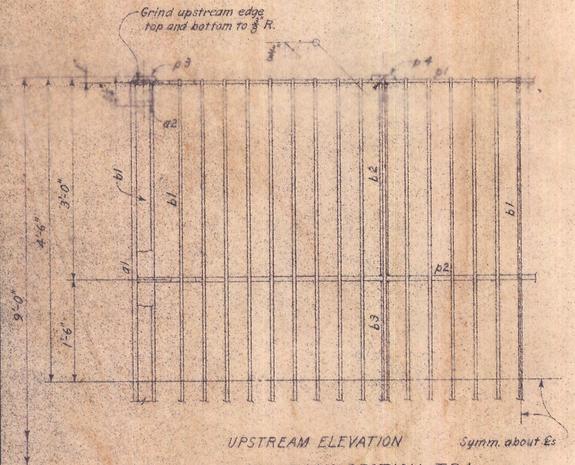
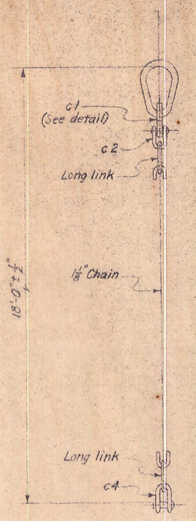


LIFTING BEAM LB1

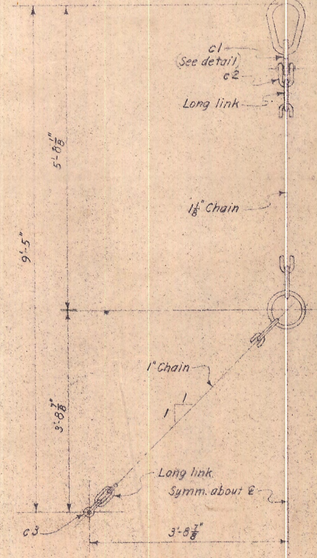




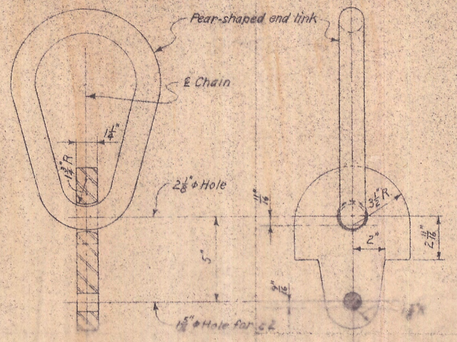
TRASH RACK SECTION-TR1



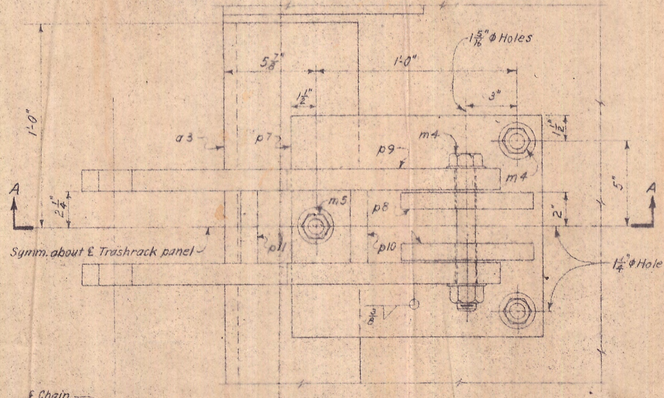
LIFTING CHAIN LC2

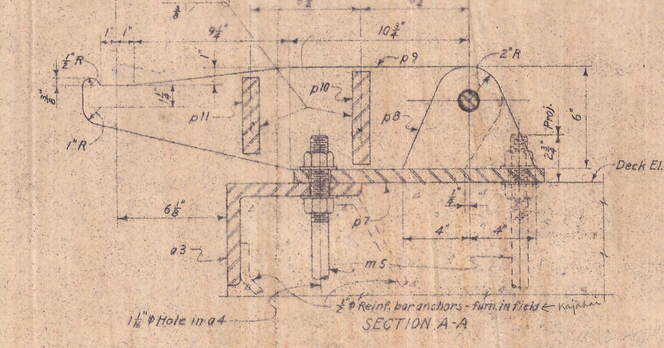


LIFTING CHAIN LC1



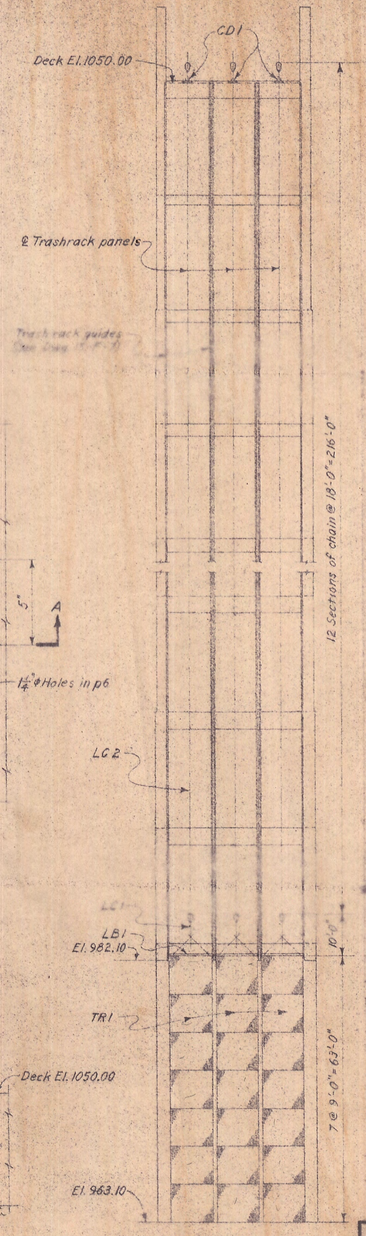
DOG LINK-c1





SECTION A-A

CHAIN DOG-CD1



UPSTREAM ELEVATION
TRASH RACK ASSEMBLY

BILL OF MATERIAL

QUAN.	ASSEMBLY MARK	NO. PCS.	PIECE MARK	DESCRIPTION	UNIT LGTH.	WT. PER FOOT	TOTAL LGTH.	TOTAL WT.	REMARKS
16	21	TR1		Trash rack					
		42	a1	L 6x4x⅜	8'-10½"	23.6	373	8 800	
		42	p1	PL 9½x½	11'-4"	16.2	475	7,700	
		42	p2	PL 9½x⅜	11'-4"	20.2	475	9,600	
		693	b1	Bar 2½x½	8'-11"	4.25	6179	26,260	
		84	b2	Bar 1"ϕ	2'-10"	3.4	240	820	
		42	b3	do	2'-11½"	3.4	123	420	
		84	p3	PL 4x⅜	0'-5"	10.2	35.0	357	
		84	p4	do	0'-9"	10.2	63	645	
		84	a2	L 4x4x⅜	0'-3"	18.5	21	390	
		42	m1	⅞"ϕ x 12" Bolt		2.6 ea.		105	One hex. nut and 2 washers each.
		36	m2	⅞"ϕ x 4" Bolt		1.1 ea.		40	
		6	m3	⅞"ϕ x 6" Bolt		1.8 ea.		10	
3	LB1	3		5 WF 16	11'-5"	16.0	34.4	550	
		6	p5	PL 4x1	0'-6⅝"	13.6	3.2	43	
		24	p6	PL 2½x⅜	0'-4⅝"	2.87	8.25	24	
3	LC1			H.B. chain				500	See detail
		39	c1	PL 7x1½	0'-10"	29.75	32.5	966	See detail
		39	c2	1⅛" Shackle		6.7 ea.		262	
		6	c3	1" Shackle		4.8 ea.		62	
36	LC2			H.B. chain				7625	See detail
		36	c4	1½" Shackle		8.5 ea.		306	
3	CD1			Chain dog					See detail
		3	a3	∠ 8x6x⅝	2'-0"	33.8	6	203	
		3	p7	PL 13x¾	1'-3"	33.2	3.75	125	
		6	p8	PL 6x1	0'-8"	20.4	4	82	
		6	p9	PL 6x1½	2'-1"	23.5	12.5	320	
		3	p10	PL 4½x1	0'-5½"	17.9	1.1	20	
		3	p11	PL 4½x1	0'-4½"	14.5	1.1	16	
		3	m4	1¼"ϕ x 8½" Bolt		4.7 ea.		14	One hex. nut & 2 washers each
		9	m5	1"ϕ x 18" Bolt		5.4 0ea.		49	One hex. nut & one washer each

Approximate total weight: 66,300 pounds

NOTES

Elevations are in meters.
Structural fabrication according to AISC specs.
All metal except surfaces embedded in concrete shall have one shop coat of coal tar primer and two field coats of cold applied bitumastic.
All chain to be of wrought iron supplied blacked.
All welds to be continuous ⅜" fillet except as shown.
Assembly marks shall have the prefix KAJ-15-F-6.

RECD. 2-22-52

MORRISON-KNUDSEN AFGHANISTAN, INC.

KAJAKAI DAM

IRRIGATION TUNNEL TRASHRACK

INTERNATIONAL ENGINEERING CO., INC.

DESIGNED A.R.L.	CHECKED [illegible]	SUBMITTED [illegible]
DRAWN A.R.L.	INSP. [illegible]	RECOMMENDED [illegible]
TRACED		APPROVED [illegible]

15-F-6

SAN FRANCISCO, CAL.

DATE MARCH 13 1951