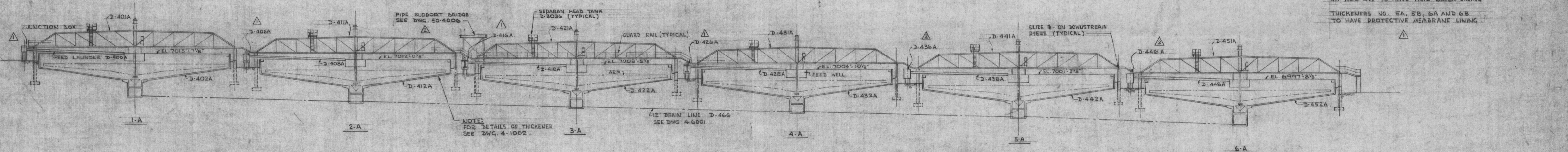


PLAN - C.C.D. THICKENER SYSTEM
SCALE 1" = 30'

D-406A, D-406B, D-416A
D-416B, D-426A, D-426B
DEAERATING TANKS
LIGHTNING MODEL LDB-300
16" PROPELLER BLADE @ 431 R.P.M.
LOUIS ALUS 8HP. 1750 R.P.M. T.E.F.C.
GEAR DRIVE.

NOTE:
FOR LAYOUT OF "A" AND "B" CIRCUIT FEEDS - SEE DWG. 4-1005
FOR LAYOUT OF PUMP STATIONS 1-A AND 1-B - SEE DWG. 4-1004
FOR LAYOUT OF PUMP STATIONS 2-A THRU 5-A AND 2-B THRU 5-B - SEE DWG. 4-1006
FOR LAYOUT OF PUMP STATIONS 6-A AND 6-B - SEE DWG. 4-1008



SECTION - A-A
SCALE 1" = 30'

D-401A, D-411A, D-421A
D-431A, D-441A, D-451A
"A" CIRCUIT "EIMCO" THICKENERS (6)
LIFTING MECHANISM
WEST. 1HP. 1800 R.P.M. T.E.F.C.
FRAME #182, W/SIDE BASE, STYLE #1780-001
CHAIN & SPROCKETS - BY "EIMCO"
DRIVE MECHANISM
WEST. 3HP. 1800 R.P.M. T.E.F.C.
FRAME # 215, STYLE #18A750-604, D-TYPE BASE
DIRECT COUPLED DRIVE - BY "EIMCO"

D-401B, D-411B, D-421B
D-431B, D-441B, D-451B
"B" CIRCUIT "DORR" THICKENERS (6)
LIFTING MECHANISM
WEST. 1HP. 1800 R.P.M. T.E.N.V.
FRAME #182 W/SIDE BASE
V-BELT DRIVE
MOTOR, BASE & DRIVE BY "DORR-OLIVER"
DRIVE MECHANISM
WEST. 3HP. 640 R.P.M. T.E.F.C. GEAR MOTOR
FRAME #AHA 215 W/SIDE BASE
V-BELT DRIVE
MOTOR, BASE & DRIVE BY "DORR-OLIVER"

D-404A(2), D-404B(2)
THICKENER OVERFLOW PUMPS
CENTRIFUGAL 750 R.P.M. "WILFLEY" MODEL "M"
10" INTAKE, 6" DISCHARGE
WEST. 30 H.P. 1200 R.P.M. T.E.F.C. FRAME #365 U
V-BELT DRIVE
D-414A(2), D-414B(2)
THICKENER OVERFLOW PUMPS
CENTRIFUGAL 600 R.P.M. "WILFLEY" MODEL "M"
10" INTAKE, 6" DISCHARGE
WEST. 25 H.P. 1200 R.P.M. T.E.F.C. FRAME #405 U
V-BELT DRIVE

D-424A, D-424B
THICKENER OVERFLOW PUMPS
CENTRIFUGAL 900 R.P.M. "WILFLEY" MODEL "M"
10" INTAKE, 6" DISCHARGE
WEST. 50 H.P. 1200 R.P.M. T.E.F.C. FRAME #405 U
V-BELT DRIVE
D-434A, D-434B, D-444A, D-444B, D-454A, D-454B
THICKENER OVERFLOW PUMPS
CENTRIFUGAL 650 R.P.M. "WILFLEY" MODEL "M"
10" INTAKE, 6" DISCHARGE
WEST. 25 H.P. 1200 R.P.M. T.E.F.C. FRAME #364 U
V-BELT DRIVE

D-405A(3), D-405B(3), D-415A(3), D-415B(3)
D-425A(3), D-425B(3), D-435A(3), D-435B(3)
D-445A(3), D-445B(3), D-455A(3), D-455B(3)
THICKENER OVERFLOW METERING PUMPS
NO. 6 "DORRCO" TYPE WR DUPLEX DIAPHRAGM SUCTION
WEST. 3HP. 1800 R.P.M. T.E.F.C. FRAME # 215
DRIVE SHEAVE: 5.7" P.D. WORTHINGTON "QD" SHEAVE
DRIVEN SHEAVE: 12.0" P.D. WORTHINGTON "QD" SHEAVE
2 WORTHINGTON-GOODYEAR V-BELTS NO. A-64
TYPE HY-T.

D-10

DRAWING STATUS		KERMAC NUCLEAR FUELS CORP. URANIUM PROCESSING PLANT GRANTS, NEW MEXICO	
1/16	PRELIMINARY	C.C.D. THICKENER SYSTEM GENERAL ARRANGEMENT GENERAL PLAN AND SECTION	
1/16	FOR APPROVAL		
1/24	APPROVED FOR CONST.		
1/24	REVISED	PRINT RECORD	
BIDS		ORDER-B-14500	ACCOUNT-
VENDOR		STEARNs-ROGER	ENGINEERS
FIELD		DRAWN BY E.J. HOFFMAN	SCALE 1" = 30'
CUSTOMER		DATE 2-13-57	DRAWING NUMBER: 4-1003
		CHECKED F.S.B.	DATE 2-24-58

REVISIONS			REFERENCES			REFERENCES			APPROVED	
NO.	DATE	BY	DWG. NO.	TITLE	DWG. NO.	TITLE	DATE	BY		
1	3-1-58	E.J.H.	4-1002	120" DIAMETER THICKENER & TUNNEL	4-3001	PLAN & ELEVATIONS				
2	5-1-58	E.J.H.	4-1004	THICKENER PUMP ARRANGEMENT	4-1001	TAILS SAMPLING HOUSE				
3	9-2-58	E.J.H.	4-6001	UNDERGROUND DRAINAGE	4-1004	SEPARAN & GLUE PREPARATION PLANT	2/19/58	HEK		
			4-2001	EXCAVATION & GRADING	4-6002	C.C.D. THICKENER SYSTEM - PIPING				