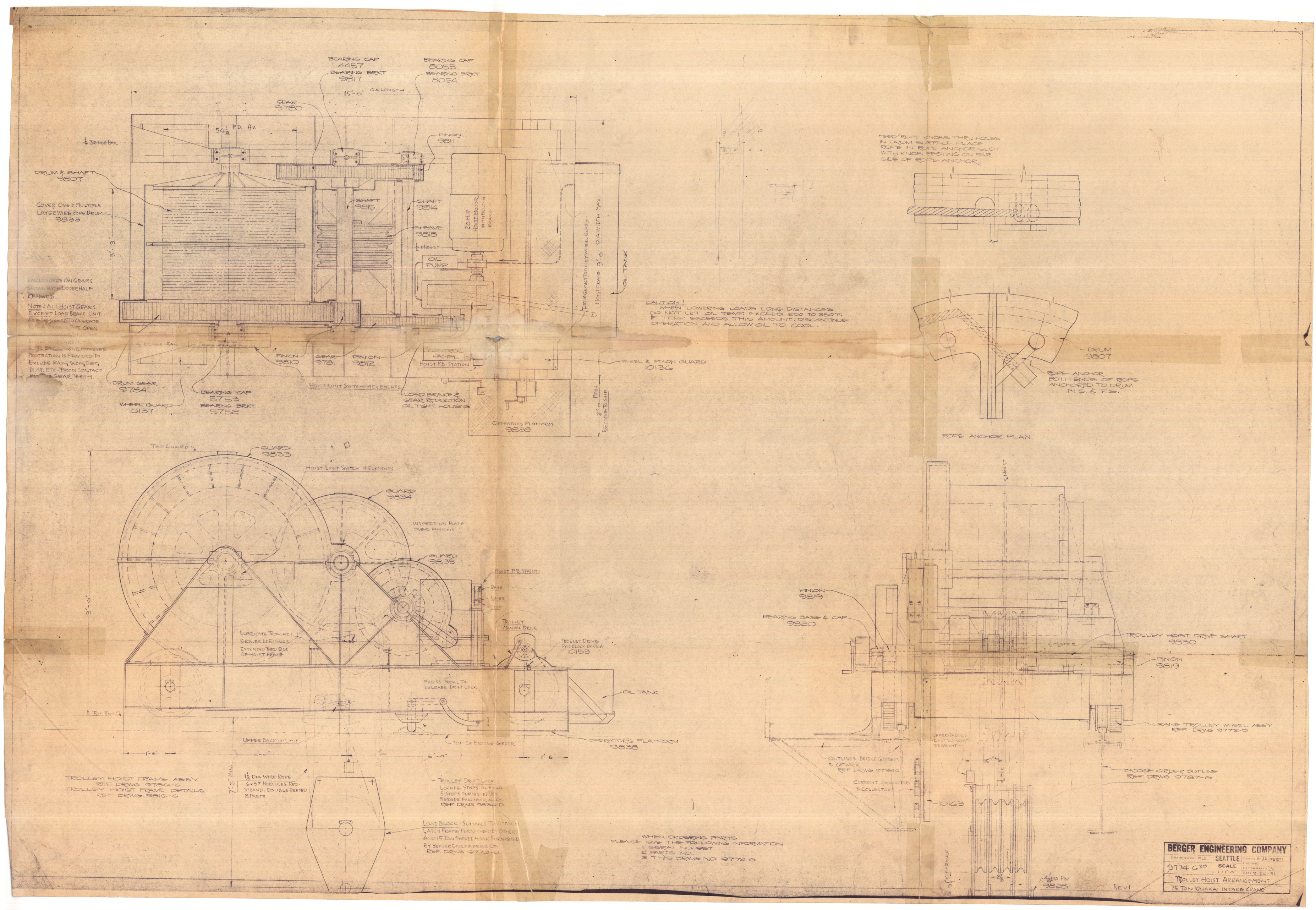
BEARING CAP 4457
BEARING BRKT 3817
BEARING CAP 8055
BEARING BRKT 8054
15'-0" O.A. LENGTH
GEAR 9780
56 1/8" P.D. AV.
PINION 9811
BRIDGE RAIL
DRUM & SHAFT 3807
COVER OVER MULTIPLE LAYER WIRE ROPE DRUM 9833
SHAFT 9815
SHAFT 3814
SHEAVE 9818
HOIST
OIL PUMP
20 H.P. HOIST MOTOR WITH BUILT IN BRAKE
DRIVE GEARS TROLLEY WHEEL GUARD
HOIST FRAME 9'-0" O.A. WIDTH MAX.
OIL TANK
3'-9"
ENCLOSURES ON GEARS SHOWN WITH UPPER HALF REMOVED.
NOTE: ALL HOIST GEARS EXCEPT LOAD BRAKE UNIT ARE DESIGNED TO OPERATE WITH PINION TYPE OPEN
EXCEPT LOAD BRAKE IS OIL TIGHT, HOWEVER PROTECTION IS PROVIDED TO EXCLUDE RAIN, SNOW, DIRT, DUST, ETC. FROM CONTACT WITH THE GEAR TEETH.
BRIDGE RAIL
PINION 9810
GEAR 9781
PINION 9812
CONTROL PANEL
HOIST P.B. STATION
WHEEL & PINION GUARD 10136
DRUM GEAR 9784
WHEEL GUARD 10137
BEARING CAP 5753
BEARING BRKT 5752
HOIST LIMIT SWITCH 4 ELEMENTS
LOAD BRAKE & GEAR REDUCTION OIL TIGHT HOUSING
OPERATORS PLATFORM 9838
2'-0" PROJ. RECEDE TO SHIP
CAUTION
WHEN LOWERING LOADS LONG DISTANCES DO NOT LET OIL TEMP EXCEED 250 TO 350°F. IF TEMP EXCEEDS THIS AMOUNT, DISCONTINUE OPERATION AND ALLOW OIL TO COOL.
FEED ROPE KNOBS THRU HOLES IN DRUM SURFACE. PLACE ROPE IN ROPE ANCHOR SLOT WITH KNOB RESTING ON FAR SIDE OF ROPE ANCHOR.
DRUM 9807
ROPE ANCHOR BOTH ENDS OF ROPE ANCHORED TO DRUM M.S. & F.S.
ROPE ANCHOR PLAN
TOP GUARD
GUARD 9833
HOIST LIMIT SWITCH 4 ELEMENTS
GUARD 9834
INSPECTION PLATE OVER PINIONS
GUARD 9835
HOIST P.B. STATION
RAISE
LOWER
STOP
TROLLEY MANUAL DRIVE
TROLLEY DRIVE PADLOCK DEVICE 10153
LUBRICATE TROLLEY SHEAVES & FITTINGS EXTENDED THRU SIDE OF HOIST FRAME
PRESS PEDAL TO RELEASE DRIFT LOCK
OIL TANK
TOP RAIL
UPPER BACKUP LIMIT
TOP OF BRIDGE GIRDER
OPERATOR'S PLATFORM 9838
1'-6"
6'-0"
6'-0"
1'-6"
9'-6"
7'-8" MIN.
TROLLEY HOIST FRAME ASSY REF DRWG 9756-G
TROLLEY HOIST FRAME DETAILS REF DRWG 9810-G
1 1/2" DIA WIRE ROPE 6x37 HERCULES RED STRAND, DOUBLE REEVED 8 PARTS
TROLLEY DRIFT LOCK
LOCATE STOPS IN FIELD
5 STOPS FURNISHED BY BERGER ENGINEERING CO.
REF DRWG 9836-D
LOAD BLOCK - SUITABLE TO ATTACH LATCH FRAME FURNISHED BY OTHERS AND 15 TON SWIVEL HOOK FURNISHED BY BERGER ENGINEERING CO.
REF DRWG 9773-D
WHEN ORDERING PARTS PLEASE GIVE THE FOLLOWING INFORMATION
1. SERIAL NO. 957
2. PARTS NO.
3. THIS DRWG NO 9774-G
HOIST
PINION 3819
BEARING BASE & CAP 9820
MOTOR
TROLLEY HOIST DRIVE SHAFT 9830
PINION 9819
CRANE TROLLEY WHEEL ASSY REF DRWG 9772-D
UPPER BACK UP LIMIT SWITCH & WEIGHT
OUTLINES BRIDGE GIRDERS & CATWALK REF DRWG 9786
CURRENT CONDUCTORS & COLLECTORS
BRIDGE GIRDER OUTLINE REF DRWG 9787-G
10163
15" MAX.
9" CLEARANCE
1 1/4" DIA PIN 9823
REV 1
BERGER ENGINEERING COMPANY
DRAWING NO. FILE
SEATTLE
DRAWN BY JALBERT
9774-G20
SCALE 1-1'-0"
CHECKED
DESIGN APPVD.
DATE 9-20-91
TROLLEY HOIST ARRANGEMENT
75 TON KAJAKAI INTAKE CRANE