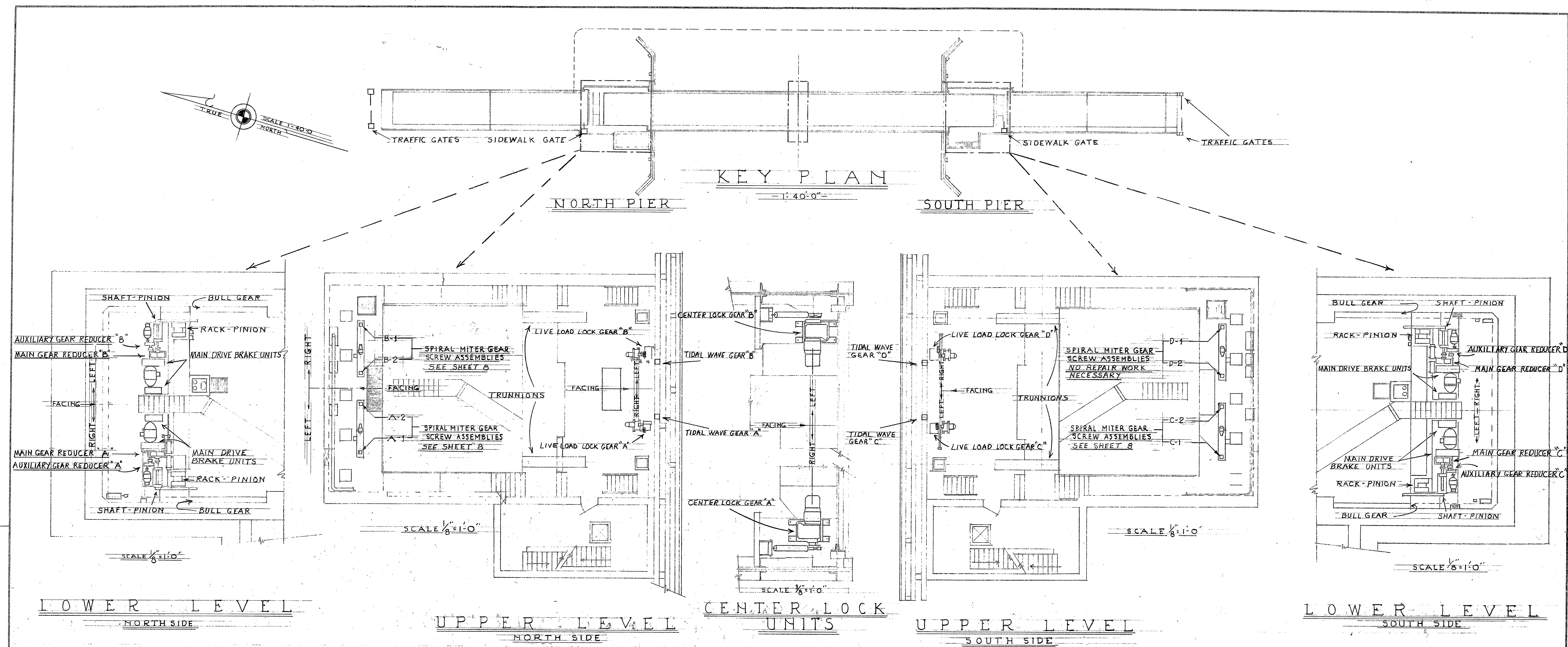
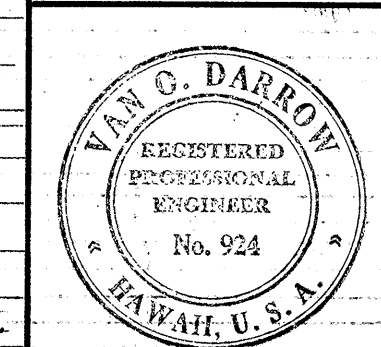




ITEM DESIGNATION	DESCRIPTION	LOCATION	NUMBER OF UNITS	PARTS TO BE LUBRICATED	METHOD OF APPLICATION	YEARLY PROCEDURE	INSPECTION INTERVAL	SERVICING INTERVAL	RECOMMENDED PRODUCTS	SPECIAL INSTRUCTIONS
"A" RIGHT	AUXILIARY GEAR REDUCER	LOWER LEVEL NORTH	1	GEARS & BEARINGS	OIL BATH IN GEAR HOUSING	DRAIN GEAR CASE & RETAIN SAMPLE, REFILL	MONTHLY	YEARLY	CHEVRON NL GEAR COMPOUND 220 OR EQUAL	NOTE: OIL SAMPLES SHALL BE TAKEN FROM EACH OIL BATH SPEED REDUCER AND SENT TO A QUALIFIED OIL TESTING LABORATORY FOR ANALYSIS. THE OIL COMPANIES WILL FURNISH A KIT CONSISTING OF PLASTIC BOTTLE WITH ABSORPTION PADDING, SHIPPING BOX, DATA SHEET AND MAILING ADDRESS TO THE TESTING LABORATORY.
"A" RIGHT	MAIN GEAR REDUCER	LOWER LEVEL NORTH	1							
"B" LEFT	AUXILIARY GEAR REDUCER	LOWER LEVEL NORTH	1							
"B" LEFT	MAIN GEAR REDUCER	LOWER LEVEL NORTH	1							
"C" LEFT	AUXILIARY GEAR REDUCER	LOWER LEVEL SOUTH	1							
"C" LEFT	MAIN GEAR REDUCER	LOWER LEVEL SOUTH	1							
"D" RIGHT	AUXILIARY GEAR REDUCER	LOWER LEVEL SOUTH	1							
"D" RIGHT	MAIN GEAR REDUCER	LOWER LEVEL SOUTH	1							
"A" 1 LEFT	SPIRAL MITER GEAR REDUCER	UPPER LEVEL NORTH	1	GEAR REDUCERS	OIL BATH IN GEAR HOUSING	DRAIN GEAR CASE & RETAIN SAMPLE, REFILL	MONTHLY			
"A" 2 LEFT	SPIRAL MITER GEAR REDUCER	UPPER LEVEL NORTH	1							
"B" 1 RIGHT	SPIRAL MITER GEAR REDUCER	UPPER LEVEL SOUTH	1							
"B" 2 RIGHT	SPIRAL MITER GEAR REDUCER	UPPER LEVEL SOUTH	1							
"A" RIGHT	TIDAL WAVE GEAR	UPPER LEVEL NORTH	1	GEARS & BEARINGS	OIL BATH & GREASE GUN	DRAIN GEAR CASE & REFILL	MONTHLY			
"B" LEFT	TIDAL WAVE GEAR	UPPER LEVEL NORTH	1							
"C" RIGHT	TIDAL WAVE GEAR	UPPER LEVEL SOUTH	1							
"D" LEFT	TIDAL WAVE GEAR	UPPER LEVEL SOUTH	1							
"A" RIGHT	LIVE LOAD LOCK GEAR	UPPER LEVEL NORTH	1	GEARS & BEARINGS	OIL BATH, GREASE GUN & OIL	DRAIN GEAR CASE & RETAIN SAMPLE, REFILL	MONTHLY			
"B" LEFT	LIVE LOAD LOCK GEAR	UPPER LEVEL NORTH	1							
"C" RIGHT	LIVE LOAD LOCK GEAR	UPPER LEVEL SOUTH	1							
"D" LEFT	LIVE LOAD LOCK GEAR	UPPER LEVEL SOUTH	1							
"A" RIGHT	CENTER LOCK GEAR	CENTER RIGHT	1	GEARS & BEARINGS	OIL BATH, GREASE GUN & OIL	DRAIN GEAR CASE & RETAIN SAMPLE, REFILL	MONTHLY			
"B" LEFT	CENTER LOCK GEAR	CENTER LEFT	1							
"A" RIGHT	MAIN DRIVE BRAKE UNITS	LOWER LEVEL NORTH	2	DASH POT RES.	OIL BATH	DRAIN DASH POT & REFILL	MONTHLY		D 6 B IIA2 HYDRAULIC OIL	
"B" LEFT	MAIN DRIVE BRAKE UNITS	LOWER LEVEL NORTH	2							
"C" LEFT	MAIN DRIVE BRAKE UNITS	LOWER LEVEL SOUTH	2							
"D" RIGHT	MAIN DRIVE BRAKE UNITS	LOWER LEVEL SOUTH	2							
RIGHT & LEFT	PINIONS AND SHAFTS	LOWER LEVELS NORTH & SOUTH	8	BEARINGS	PRESSURE GREASE GUN	SEE RECOMMENDED PRODUCTS	MONTHLY	MONTHLY	CHEVRON DURALITH GREASE EPI OR EQUAL	
RIGHT & LEFT	TRUNNIONS	LOWER LEVELS NORTH & SOUTH	4	BEARINGS	PRESSURE GREASE GUN			MONTHLY	CHEVRON DURALITH GREASE EPI OR EQUAL	
RIGHT & LEFT	PINIONS, RACKS AND BULL GEARS	LOWER LEVELS NORTH & SOUTH	4	OPEN GEARS	HAND OILING			AS NEEDED	CHEVRON PINION GREASE MS. OR EQUAL	
TRAFFIC & SIDEWALK GATES			6	GEARS & BEARINGS	OIL BATH, GREASE GUN, OILING	DRAIN GEAR CASE AND REFILL	MONTHLY		CHEVRON NL GEAR COMPOUND 220 OR EQUAL	
ROAD BARRIER BALL SCREWS		UPPER LEVEL NORTH & SOUTH	8	BALL ASSEMBLY SCREWS	HAND OILING WITH OIL CAN	REMOVE PORTION OF PROTECTIVE SLEEVE AND OIL	WEEKLY	YEARLY	CHEVRON VISTAC OIL 320X OR EQUAL	THIS WORK WAS PREPARED BY ME OR UNDER MY SUPERVISION, AND CONSTRUCTION OF THIS PROJECT WILL BE UNDER MY SUPERVISION. FOR REVISIONS & ADDITIONS MECHANICAL PORTION ONLY
RAIL SHAFT COUPLINGS ON MAIN DRIVES		LOWER LEVELS NORTH & SOUTH	2 ON EACH	SHAFT COUPLINGS	GREASE GUN	SEE RECOMMENDED PRODUCTS	YEARLY		CHEVRON DURALITH GREASE EPI OR EQUAL	



STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HARBORS DIVISION	
JOB TITLE ELECTRICAL & RELATED MACHINERY REPAIRS BASCULE BRIDGE - HONOLULU, HAWAII	
SHEET TITLE MACHINERY TEST & REPAIRS	
DESIGNED BY: H.S.	APPROVED BY: _____
DRAWN BY: F.M.	CHIEF, HARBORS DIVISION
CHECKED BY: H.S.	JOB NUMBER
DATE: 7-10-78	H.C. 134.3
SCALE:	7 8