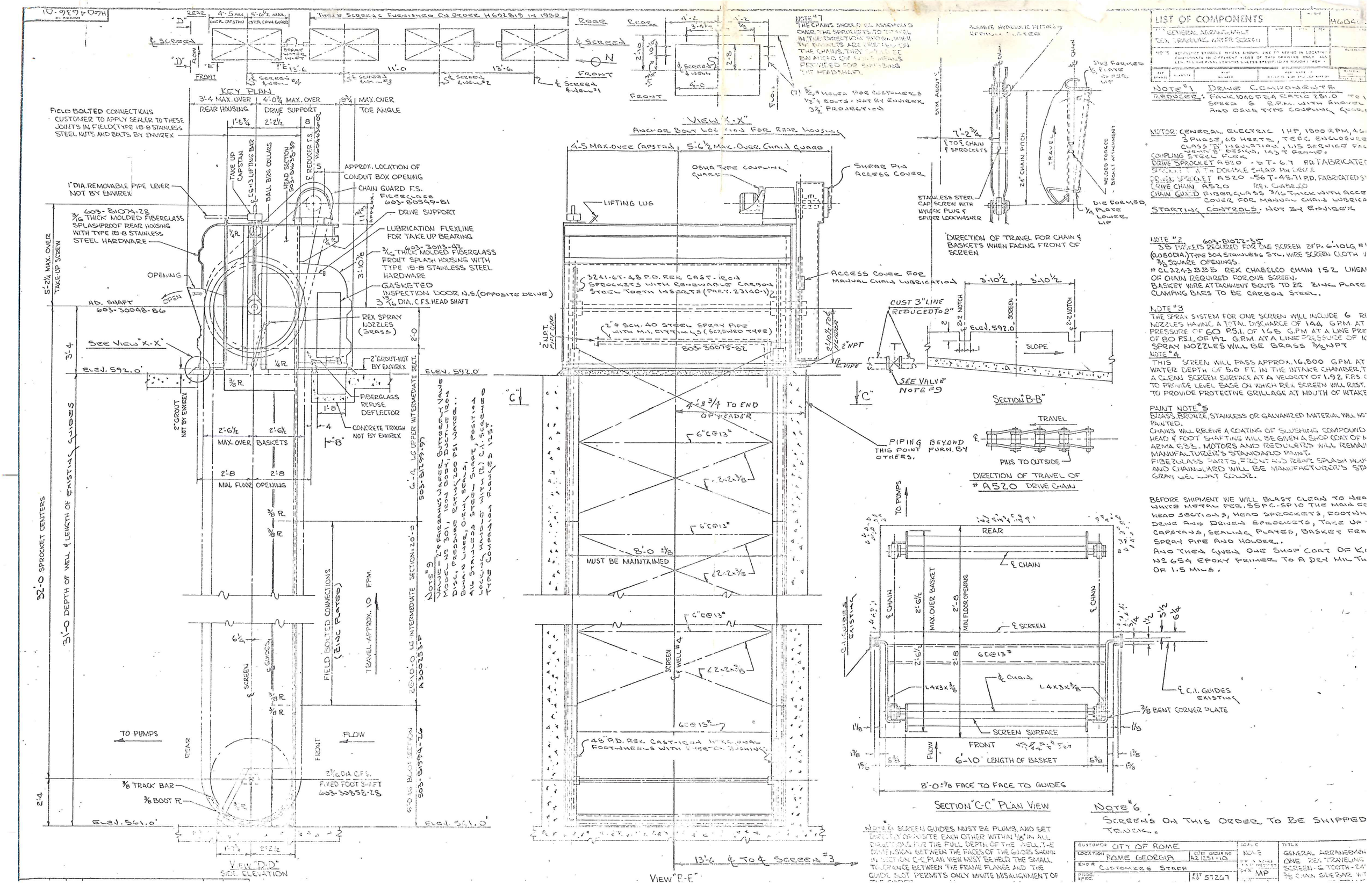
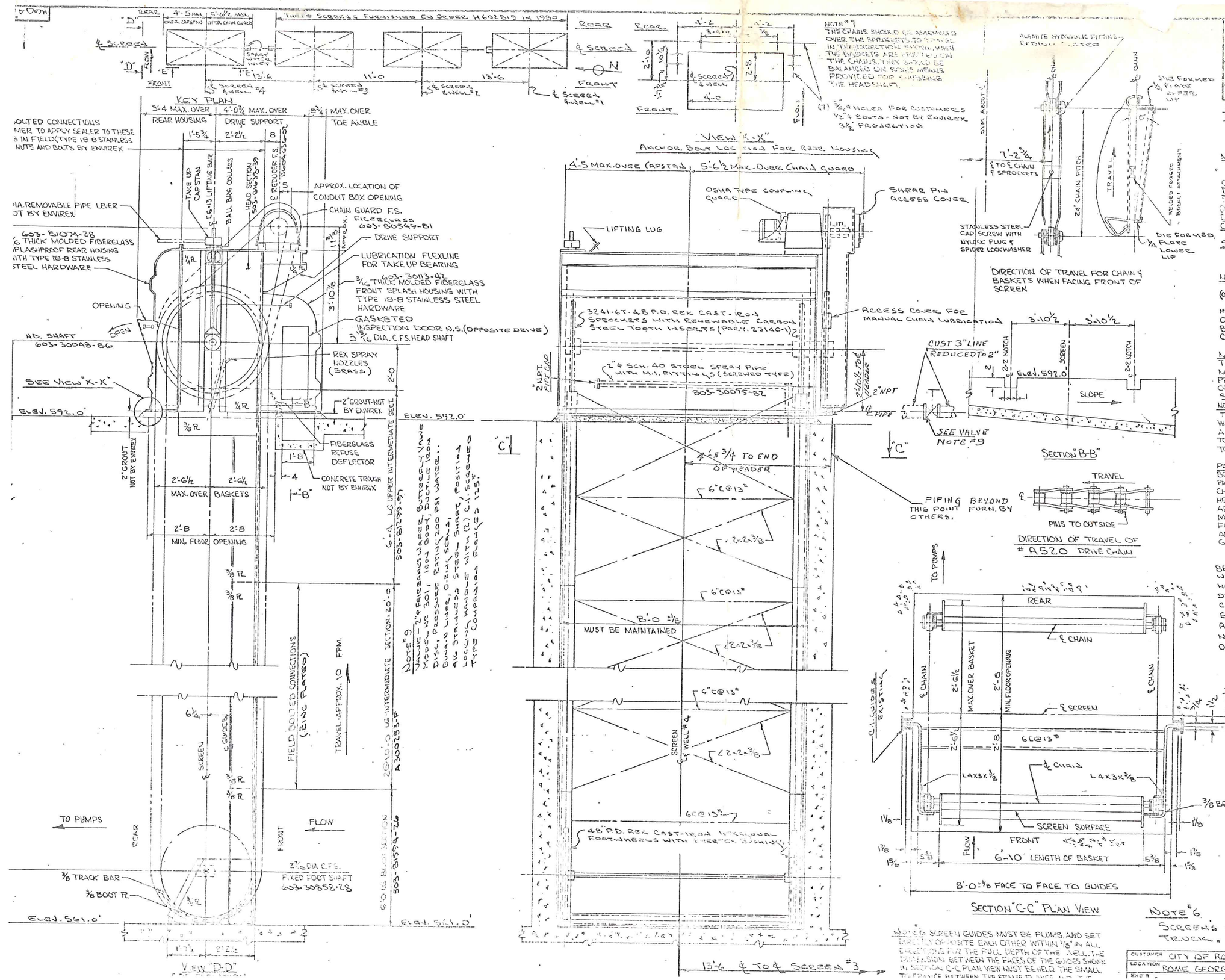

LIST OF COMPONENTS
GENERAL ARRANGEMENT
ONE REX TRAVELING WATER SCREEN
NOTE #1 DRIVE COMPONENTS
REDUCER: FALK 1040 FEA FRAME 281.0 TO 1 SPEED 6 R.P.M. WITH SHAFT AND OSHA TYPE COUPLING GUARD
MOTOR: GENERAL ELECTRIC 1HP, 1800 RPM, 460 3 PHASE, 60 HERTZ, TEFC ENCLOSURE CLASS "B" INSULATION, 1.15 SERVICE FACTOR "B" DESIGN, 1.0 FT FRAME
COUPLING STEEL FLEX
DRIVE SPROCKET A520 - 6T - 6.7 P.D. FABRICATED
DRIVEN SPROCKET A520 - 56T - 45.71 P.D. FABRICATED
DRIVE CHAIN A520 REX CHABELCO
CHAIN GUARD FIBERGLASS 3/16 THICK WITH ACCESS COVER FOR MANUAL CHAIN LUBRICATION
STARTING CONTROLS - NOT BY ENVIREX
NOTE #2 603-81072-35
3 BASKETS REQUIRED FOR ONE SCREEN 24"P. 6'-10 LG #1 (0.080 DIA.) TYPE 304 STAINLESS STL. WIRE SCREEN CLOTH 3/8 SQUARE OPENINGS.
#CL 324-3 BBB REX CHABELCO CHAIN 152. LINEAR OF CHAIN REQUIRED FOR ONE SCREEN.
BASKET WIRE ATTACHMENT BOLTS TO BE ZINC PLATED
CLAMPING BARS TO BE CARBON STEEL.
NOTE #3
THE SPRAY SYSTEM FOR ONE SCREEN WILL INCLUDE 6 RE NOZZLES HAVING A TOTAL DISCHARGE OF 144 G.P.M. AT PRESSURE OF 60 P.S.I. OF 168 G.P.M. AT A LINE PRE OF 80 P.S.I. OF 192 G.P.M. AT A LINE PRESSURE OF 10
SPRAY NOZZLES WILL BE BRASS 3/8 NPT
NOTE #4
THIS SCREEN WILL PASS APPROX. 16,800 G.P.M. AT WATER DEPTH OF 5.0 FT. IN THE INTAKE CHAMBER, T A CLEAN SCREEN SURFACE AT A VELOCITY OF 1.92 F.P.S. TO PROVIDE LEVEL BASE ON WHICH REX SCREEN WILL REST. TO PROVIDE PROTECTIVE GRILLAGE AT MOUTH OF INTAKE
PAINT NOTE #5
BRASS, BRONZE, STAINLESS OR GALVANIZED MATERIAL WILL NOT PAINTED.
CHAINS WILL RECEIVE A COATING OF SLUSHING COMPOUND
HEAD & FOOT SHAFTING WILL BE GIVEN A SHOP COAT OF A ARMA F.S.S. MOTORS AND REDUCERS WILL REMAIN MANUFACTURER'S STANDARD PAINT.
FIBERGLASS PARTS, FRONT AND REAR SPLASH HOUS AND CHAIN GUARD WILL BE MANUFACTURER'S STA GRAY GEL COAT COLOR.
BEFORE SHIPMENT WE WILL BLAST CLEAN TO NEA WHITE METAL PER. SSPC-SP10 THE MAIN CO HEAD SECTIONS, HEAD SPROCKETS, TOOTHB DRIVE AND DRIVEN SPROCKETS, TAKE UP CAPSTANS, SEALING PLATES, BASKET FRA SPRAY PIPE AND HOLDER.
AND THEN GIVEN ONE SHOP COAT OF K NO 654 EPOXY PRIMER TO A DRY MIL TH OF 1.5 MILS.
NOTE #6
SCREENS ON THIS ORDER TO BE SHIPPED TRUCK.
KEY PLAN
VIEW "X-X"
ANCHOR BOLT LOCATION FOR REAR HOUSING
SECTION "B-B"
DIRECTION OF TRAVEL OF # A520 DRIVE CHAIN
SECTION "C-C" PLAN VIEW
VIEW "D-D" SIDE ELEVATION
VIEW "E-E"
NOTE #7
NOTE #9
CITY OF ROME
ROME GEORGIA
CUSTOMER'S STAFF
MP
GENERAL ARRANGEMENT ONE REX TRAVELING SCREEN - 6 TOOTH - 24" SS CHAIN SIDEBAR



NOTE #7
THE CHAINS SHOULD BE ASSEMBLED OVER THE SPROCKETS TO TRAVEL IN THE DIRECTION SHOWN. WHEN THE BASKETS ARE FIRST PUT ON THE CHAINS, THEY SHOULD BE BALANCED BY SOME MEANS PROVIDED FOR EMPTYING THE HEADSHAFT.

(7) 3/4" HOLES FOR BASTEMERS 1/2" BOLTS - NOT BY ENVIREX 3½" PROJECTION

NOTE #9
VALVE - 2" FIREBRONZE WAFER BODY MODEL Nº 301, 150# BODY, DISC, PRESSURE RATING 200 PSI. BUNA-N LINER, O-RING SEALS, AN STAINLESS STEEL SHAFT LOCKING HANDLE WITH (2) C.I. SCREWED TYPE COMPANION FLANGES

NOTE #5
GUIDES MUST BE PLUMB AND SET DIRECTLY OPPOSITE EACH OTHER WITHIN 1/8" IN ALL DIRECTIONS FOR THE FULL DEPTH OF THE WELL. THE DIMENSION BETWEEN THE FACES OF THE GUIDES SHOWN IN SECTION C-C PLAN VIEW MUST BE HELD. THE SMALL TOLERANCE BETWEEN THE FRAME AND THE

LIST OF COMPONENTS

GENERAL ARRANGEMENT REX TRAVELING WATER SCREEN

NOTE #1 DRIVE COMPONENTS

REDUCER: FALK 100A FBA RATIO 281.0 TO 1, OUTPUT SPEED 6 R.P.M. WITH SHAFT BASE AND OSHA TYPE COUPLING GUARD.

MOTOR: GENERAL ELECTRIC 1 HP, 1800 RPM, 460 VOLT, 3 PHASE, 60 HERTZ, TEFC ENCLOSURE, CLASS "B" INSULATION, 1.15 SERVICE FACTOR, NEMA "B" DESIGN, 143T FRAME.
COUPLING STEEL FLEX
DRIVE SPROCKET A520 - 6T - 6.7 P.D. FABRICATED STEEL SPROCKET WITH DOUBLE SHEAR PIN DRIVE
DRIVEN SPROCKET A520 - 56T - 43.71 P.D. FABRICATED STEEL SPROCKET
DRIVE CHAIN A520 REX CHABELCO
CHAIN GUARD FIBERGLASS 3/16 THICK WITH ACCESS COVER FOR MANUAL CHAIN LUBRICATION.
STARTING CONTROLS - NOT BY ENVIREX

NOTE #2 603-81022-35
35 BASKETS REQUIRED FOR ONE SCREEN 24" P.D. 6'-10 LG #14 W&M (0.080 DIA.) TYPE 304 STAINLESS STL. WIRE SCREEN CLOTH WITH 3/8 SQUARE OPENINGS.
CL32435 BBB REX CHABELCO CHAIN 152 LINEAR FT. OF CHAIN REQUIRED FOR ONE SCREEN.
BASKET WIRE ATTACHMENT BOLTS TO BE ZINC PLATED.
CLAMPING BARS TO BE CARBON STEEL.

NOTE #3
THE SPRAY SYSTEM FOR ONE SCREEN WILL INCLUDE 6 REX SPRAY NOZZLES HAVING A TOTAL DISCHARGE OF 144 GPM AT A LINE PRESSURE OF 60 P.S.I. OF 168 GPM AT A LINE PRESSURE OF 80 P.S.I., OF 192 GPM AT A LINE PRESSURE OF 100 P.S.I. SPRAY NOZZLES WILL BE BRASS 3/8 NPT

NOTE #4
THIS SCREEN WILL PASS APPROX. 16,800 GPM AT WATER DEPTH OF 5.0 FT. IN THE INTAKE CHAMBER, THROUGH A CLEAN SCREEN SURFACE AT A VELOCITY OF 1.92 FPS. CUSTOMER TO PROVIDE LEVEL BASE ON WHICH REX SCREEN WILL REST. CUSTOMER TO PROVIDE PROTECTIVE GRILLAGE AT MOUTH OF INTAKE, IF REQUIRED.

PAINT NOTE #5
BRASS, BRONZE, STAINLESS OR GALVANIZED MATERIAL WILL NOT BE PAINTED.
CHAINS WILL RECEIVE A COATING OF SLUSHING COMPOUND
HEAD & FOOT SHAFTING WILL BE GIVEN A SHOP COAT OF MOBIL ARMA 633. MOTORS AND REDUCERS WILL REMAIN MANUFACTURER'S STANDARD PAINT.
FIBERGLASS PARTS, FRONT AND REAR SPLASH HOUSINGS AND CHAINGUARD WILL BE MANUFACTURER'S STANDARD GRAY GEL COAT COLOR.

BEFORE SHIPMENT WE WILL BLAST CLEAN TO NEAR WHITE METAL PER. SSPC-SP10 THE MAIN FRAMES, HEAD SECTIONS, HEAD SPROCKETS, FOOTWHEELS, DRIVE AND DRIVEN SPROCKETS, TAKE UP BEARINGS, CAPSTANS, SEALING PLATES, BASKET FRAMES, SPRAY PIPE AND HOLDER.
AND THEN GIVEN ONE SHOP COAT OF KOPPERS Nº 654 EPOXY PRIMER TO A DRY MIL THICKNESS OF 1.5 MILS.

NOTE #6
SCREENS ON THIS ORDER TO BE SHIPPED BY TRUCK.

CUSTOMER CITY OF ROME		SCALE NONE	TITLE GENERAL ARRANGEMENT OF ONE REX TRAVELING WATER
LOCATION ROME GEORGIA	CUST ORDER NO A2-1551-10		
ENGR			