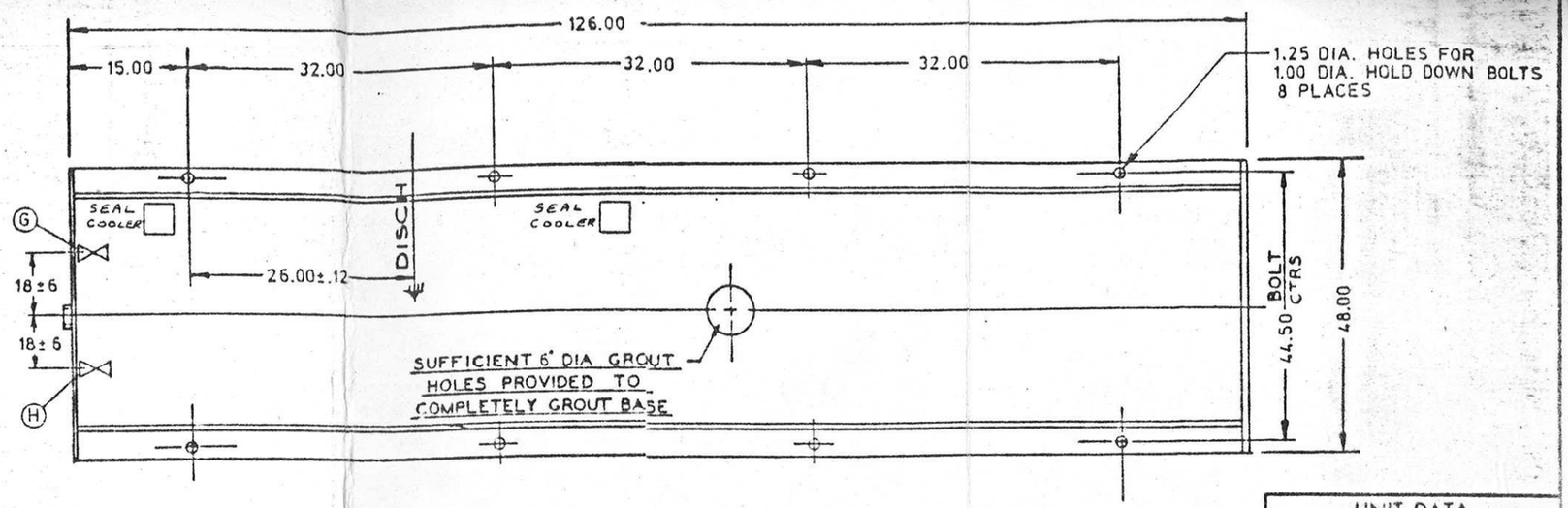
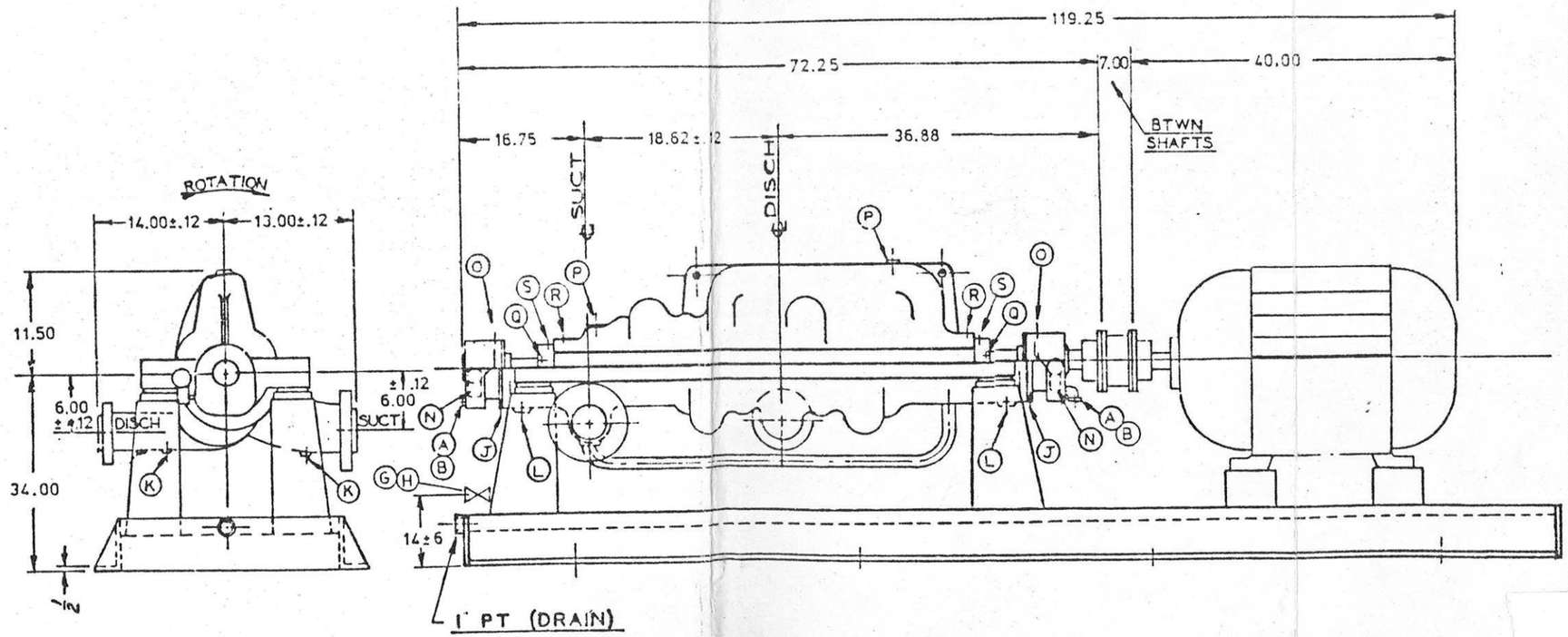
| ITEM | LEGEND ▲ PIPE PLUG ■ PROTECTIVE CAP ● PIPED BY BINGHAM | | PIPE TAP SIZE |
|---|---|---|---|
| A | BEARING HOUSING COOLING INLET | ● | 3/4 |
| B | BEARING HOUSING COOL'G OUTLET | ● | 3/4 |
| C | ~~STUFFING BOX COOLING INLET~~ | | |
| D | ~~STUFFING BOX COOLING OUTLET~~ | | |
| E | ~~SEALING LIQUID INLET~~ | | |
| F | ~~SEALING LIQUID OUTLET~~ | | |
| G | COOLING WATER INLET | ■ | 3/4 |
| H | COOLING WATER OUTLET | ■ | 3/4 |
| I | ~~GAGE CONNECTION~~ | | |
| J | OIL DRAIN | ▲ | 3/4 |
| K | PUMP DRAIN | ▲ | 3/4 |
| L | BEARING BRACKET DRAIN | ● | 1 |
| M | ~~FLUSHING LIQUID~~ | | |
| N | CONSTANT LEVEL OILER | ● | 1/4 |
| O | OIL INSPECTION HOLE COVER | ■ | — |
| P | PUMP VENT | ▲ | 3/4 |
| Q | QUENCH - IN AND OUT | ▲ | 1/2 |
| R | PUMPING RING TO COOLER | ● | 1/2 |
| S | SEAL FLUSH FROM COOLER | ● | 1/2 |




**NOTE — MINIMUM FLOW BY-PASS**
AN UNOBSTRUCTED BY-PASS MUST BE PROVIDED FROM THIS DISCHARGE TO THE PRIMARY SUCTION SOURCE TO PERMIT A FLOW OF 65 GPM MINIMUM CUSTOMER TO PROVIDE FLOW SENSITIVE VALVE TO CLOSE BY-PASS LINE AT DESIGN CAPACITY

| UNIT DATA | |
|---|---|
| **PUMP SPECIFICATIONS** | |
| SIZE and TYPE: 3 X 4 X 8-3/4 B MSE | |
| NO. STAGES: 8 | RPM: 3560 |
| ROTATION: CCW | (as viewed from motor) |
| DISCHARGE FLG. 3" 600 # ANSI R.F. | |
| SUCTION FLANGE. 4" 600 # ANSI R.F. | |
| MECH. SEAL: JOHN CRANE | |
| TYPE: 8B1 CODE: XF1D1 | |
| PACKING: | |
| NO. RINGS: SIZE: | |
| ASSEMBLY: | |
| **COUPLING** | |
| TYPE: METASTRM TSAS SIZE: 0110 | |
| GUARD: ALUMINUM | |
| **DRIVER SPECIFICATIONS** | |
| MOTOR ~~REMARKS~~: SIEMENS-ALLIS | |
| FURNISHED BY: BINGHAM | |
| FRAME: 505US | |
| HP: 250 SPEED: | 3600 RPM |
| 4160 VOLT, 3 PHASE, | 60 CYCLE |
| DIMEN. PRINT: 53-811-948-419 | |
| GEAR: | |
| TYPE: | |
| FURNISHED BY: | |
| DIMEN. PRINT: | |
| **WEIGHTS, lb.** | |
| PUMP: | 1700 |
| BASE: | 2500 |
| DRIVER: | 2400 |
| TOTAL: | 6600 APPROX. |
| **CUSTOMER DATA** | |
| SERVICE: BOILER FEEDWATER | |
| PUMP SIZE: and TYPE: 3 X 4 X 8-3/4 B MSE | |
| OUTLINE DIMENSION DRAWING — PUMP SERIAL NUMBER 133 | REV A |
| D-1C540-03 | |

CAUTION! CAREFULLY CHECK ALIGNMENT BEFORE STARTING UNIT. ALL HOLES IN FLANGES STRADDLE CENTERLINES UNIT SHOULD BE RELIEVED OF EXCESS PIPING STRAINS

| [ ] BY | DATE | [ ] BY | DATE | REVISIONS | BY | APPROVED | DATE |
|---|---|---|---|---|---|---|---|
| | | ADDED COOLING WATER CONN. [ ] BY SDP [ ] DATE 9/21/87 | | ☒ CERTIFIED FOR INSTALLATION | SDP | | 9/21/87 |
| | | | | ☒ PRELIMINARY CERTIFIED NOZZLE & MOUNTING LOCATIONS ONLY | SDP | | 6/27/87 |
| | | | | ☐ PRELIMINARY FOR REVIEW ONLY | | | |

Bingham-Willamette Company — PORTLAND, OR. BREVEPORT, LA
Bingham-Willamette Ltd. — VANCOUVER, B.C.

NOTES:
1) FOR DIRECT CONNECTION .062 SHIMS MAY BE NECESSARY UNDER MOTOR FEET.
2) IN POSITION SHOWN MAIN CONDUIT BOX EXTENDS BELOW MOTOR FEET.
3) MAIN CONDUIT BOX MAY BE ROTATED IN STEPS OF 90°.
4) APPROXIMATE WEIGHT OF MOTOR = 2400 #.
5) NON DRIVE END BEARING IS INSULATED.

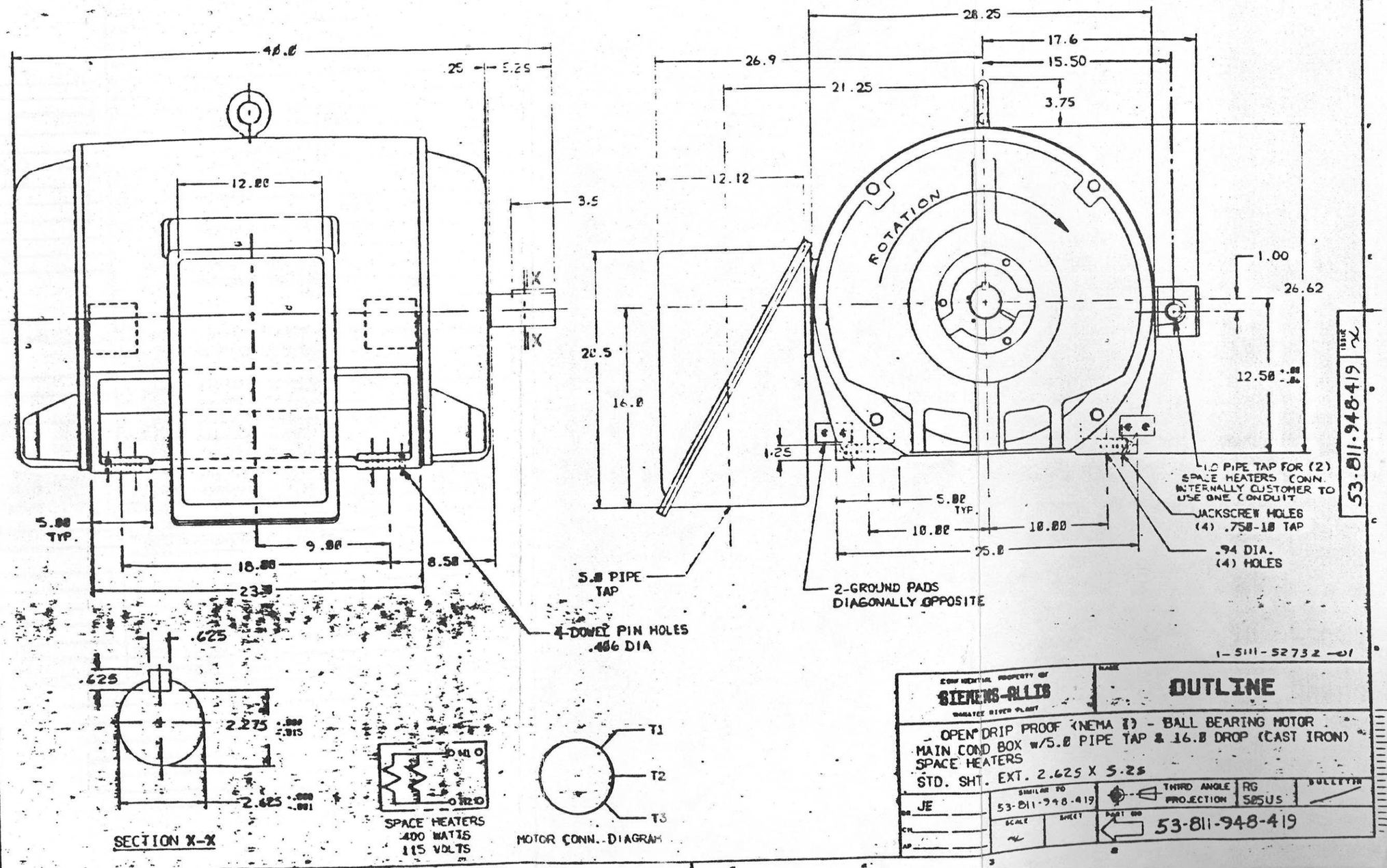
SIEMENS

CERTIFIED PRINT — CUSTOMER INITIATED CHANGES MAY AFFECT PRICE AND DELIVERY. PRODUCTION WILL PROCEED ON THE BASIS OF THIS DRAWING

| | |
|---|---|
| | BINGHAM INTERNATIONAL |
| | 301491C540 |
| | EL-1-5111-52732-01 |

| H.P.RW | R.P.M. | FRAME | TYPE | VOLTS | PH | HZ |
|---|---|---|---|---|---|---|
| 250 | 3600 | 505US | C | 4160 | 3 | 60 |

01 6-2-87




1-5111-52732-01

CONFIDENTIAL PROPERTY OF SIEMENS-ALLIS

OUTLINE

OPEN DRIP PROOF (NEMA I) - BALL BEARING MOTOR
MAIN COND BOX w/5.0 PIPE TAP & 16.0 DROP (CAST IRON)
SPACE HEATERS
STD. SHT. EXT. 2.625 X 5.25

| | | | |
|---|---|---|---|
| JE | SIMILAR TO 53-811-948-419 | THIRD ANGLE PROJECTION | RG 505US |
| | SCALE | SHEET | PART NO 53-811-948-419 |

53-811-948-419 ISSUE N