DRAWING NO. CD27864 SHT. 1.

MAINS DISTRIBUTION SYSTEM ⊛ (SHIPYARD SUPPLY)

AC1 LIGHTS NORMAL SUPPLY.
AC2 LIGHTS NORMAL SUPPLY.
AC1 RELAYS NORMAL SUPPLY.
AC2 RELAYS NORMAL SUPPLY.
AC1 LIGHTS EMERGENCY SUPPLY.
AC2 LIGHTS EMERGENCY SUPPLY.
AC1 RELAYS EMERGENCY SUPPLY.
AC2 RELAYS EMERGENCY SUPPLY.

SUPPLY SEPARATING RELAY (SEE NOTE 4).

120 V. SINGLE PHASE 60Hz. EMERGENCY SUPPLY.

SEC. PRI. 120V. SINGLE PHASE 60Hz. NORMAL SUPPLY. TRANSFORMER. 460V. SINGLE PHASE 60Hz.

L1 L2 L3

TO DOOR Nº 1.
10 AMP FUSES.
TO DOOR Nº 15.

SUPPLIES TO MOTOR STARTERS FOR DOORS Nº 1 TO DOOR Nº 15 INCLUSIVE.

MAIN SUPPLY 460 V. 3-PHASE. 60 Hz. (SEE NOTE 7)

COMMON CIRCUIT.

PD1 PD PD LINK LINK

DIMMER VR PANEL SWITCH PS
EMERGENCY SUPPLY (YELLOW) NORMAL SUPPLY (CLEAR) (PRESS-TO-TEST LAMPS)
ROS 186 RES.1. 188 DI 'DOOR CONTROL ON'. // LED.

OPEN CLOSE MON TR2 MOE TR3 MCN MCE MDE ROS

PRE-CLOSING DELAY WITH NORMAL SUPPLY.
OPENING TIME WITH NORMAL SUPPLY.
OPENING TIME WITH EMERGENCY SUPPLY.
ONE-SECOND PULSING.

TR1 (D5455/B7) 10-SECOND DELAY-ON
TR2 (D5455/B7) 30-SECOND DELAY ON
TR3 (D5455/B7) 30-SECOND DELAY ON

RR STR STEPPING COIL

MON SRO RDO1 DOORS 1-2. RDO2 DOORS 3-4. RDO3 DOORS 5-6. RDO4 DOORS 7-8. RDO5 DOORS 9-10. RDO6 DOORS 11-12. RDO7 DOORS 13-14. RDO8 DOOR 15.

SRC RDC1 DOORS 1-2. RDC2 DOORS 3-4. RDC3 DOORS 5-6. RDC4 DOORS 7-8. RDC5 DOORS 9-10. RDC6 DOORS 11-12. RDC7 DOORS 13-14. RDC8 DOOR 15.

STR RESET COIL

CIRCUIT FOR EACH DOOR

FOR ALL DOOR CIRCUITS.

DOORS 1-5. DOORS 6-10. DOORS 11-15. } WARNING BELL LINES

MAIN SUPPLY 460V. 3-PHASE 60Hz. L1 L2 L3 M OL A B C MOTOR

MOTOR STARTER (TYPICAL) M OL RESET

CLR (2) CLOSE LIMIT SW. CLOSED (GREEN) OPEN (RED) (8) CLR

(LOCAL) MICRO-SWITCH IN LOCAL HAND CONTROL VALVE. (BRIDGE) SPRING RETURN

RDC... CLR (3) RDO... (9) OPEN LIMIT SW.

REMOTE INDICATION. CLOSED (GREEN) OPEN (RED)

CLR (4) CLR (5)

RDC... CLR (6) CLOSE SOLENOID. SPRING RETURN

RDO... (7) ISOLATING SWITCHES. OPEN SOLENOID.

CLR (1) BELL/AUDIBLE WARNING.

BRACKETED TERMINAL NUMBERS ( ) SHOULD BE PREFIXED WITH THE APPROPRIATE DOOR NUMBER
eg. 11 TO 19 FOR DOOR Nº 1,
21 TO 29 FOR DOOR Nº 2,
151 TO 159 FOR DOOR Nº 15, ETC:.
WITH ALTERNATIVE COLOUR CODE TO THAT OF "COMMON CIRCUIT" NUMBERING.

STONE VICKERS LTD. TECHNICAL DIV. ISSUED 29 NOV 1982 ANCHOR AND HOPE LANE LONDON SE7 7SZ

SEE NOTES ON SHEET 2 OF THIS DRAWING.

⊛ ITEMS MARKED THUS ARE NOT SUPPLIED BY SMM.E.

WIRE NUMBERS USED = 1 TO 203 INCLUSIVE.
SPARE WIRE NUMBERS:—
169. 174. 179.
170. 175. 180.
171. 176. 181.
172. 177. 182.

SEE PARTS LIST FOR ITEM No. IDENTIFICATION

DE-BURR & REMOVE SHARP EDGES

THIRD ANGLE PROJECTION

NO DEVIATION FROM DRAWN DIMENSIONS OR ANY FORM OF REPAIR PERMITTED WITHOUT WRITTEN CONSENT OF S.M.M. LTD. IN EACH INDIVIDUAL CASE.

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ALL DIMENSIONS IN MILLIMETRES UNLESS STATED.
SURFACE FINISH TO BS 1134 125 MICRO INS. UNLESS STATED.
LIMITS FOR UNTOLERANCED DIMS.

NOM. DIMENSION	LIMIT + OR −
1 - 25	.100
OVER 25 - 100	.200
" 100 - 200	.300
" 200 - 500	.500
" 500	1.000

ISSUE	MOD.NO	ZONE	MODIFICATION	DATE
B			MICRO-SWITCH WAS SINGLE THROW NOW DOUBLE THROW	6-9-82
A			1 MESSAGE REVISED TO TR2/TR3. REMOVED SR2/SR3 DELETED. ADDED SR1 FOR DESIGN CHANGE.	FH 25-6-81

REFERENCE SD1475
DRAWN FH 10/6/81
CHECKED
DATE
TRACED
CHECKED

SMM ENGINEERING LTD. LONDON SE7

TITLE 15-WATERTIGHT DOORS. SERIES II. UNIT SYSTEM CONTROLS ELECTRICAL SCHEMATIC DIAGRAM

SMM.E

SCALE —

DRAWING NO. CD27864 SHEET 1 OF 2.

ISSUE A B

UDO 5 00038