



| A | B | C | D | E | F | G | $H$ | J | K | L |
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## DRIVE NUMBERING SXSTEM

1. TO BREAK THE ELEMENTARY DIAGRAM INTO EASY-TO-USE SECTIONS, A SERIES OF ARBITRARY "DRIVES" HAS BEEN ESTABLISHED, WITH THE ELEMENTARY SHEETS ALPHABETICALLY NUMBERED IN EACH DRIVE. FOR EXAMPLE:- SHEETS 3A, 3B AND 3C ARE THE FIRST THREE ELEMENTARY SHEETS IN DRIVE No. 3.
2. THE DRIVE CONCEPT IS ESTABLISHED TO CONVENIENTIY SECTIONALIZE THE ELEMENTARY DIAGRAM, AND NOT NECESSARILY TO DENOTE SEPARATE PHYSICAL EQUIPMENTS. HOWEVER, ALL THE SYSTEM ELEMENTS INCLUDED IN A DRIVE WILL EEAR AN OBVIOUS FUNCTIONAL RELATIONSHIP; FOR EXAMPLE A NUMBER OF AUXILIARY MOTOR STARTERS MAY BE GROUPED TOGETHER AND REFERRED TO AS "DRIVE 1". THIS SHEET IS "OB", THE SECOND SHEET OF DRIVE "O", I.E. THE INTRODUCTORY MATERIAL.

## WIRE NUMBERING SYSTEM

WTRE NUMBERS ARE SHOWN ON EACH SHEET AS TWO-DIGIT NUMBERS (E.G. $01,02,10,42$ ETC.) EXCEPT FOR WIRES ORIGINATING ON ANOTHER SHEET, WHICH ARE SHOWN AS 4-DIGIT OR 5-DIGIT NUMBERS. IN ALL CASES, THE COMPLETE WIRE NUMBER (WHICH APPEARS ON TUE ACTUAL WIRES IN THE EQUIPMENT AND ON THE TERMINAL BOARDS) IS A 4-DTCETT OR 5-DIGIT NUMBER. THE FIRST TWO OR THREE DIGITS INDICATE THE NUMBER OF THE ELEMENTARY DIAGRAM SHEET OH WHICH THE WIRE ORIGINATES AND THE LAST TWO DIGITS INDICATE THE WIRE ON THAT SHEET. THUS 2AOG INDICATES WIRE NUMEER O4 ORIGINATING ON SHEET 2A OF THE DIAGRAM; AND 15 C 34 INDICATES WIRE NUMBER 34 ORIGINATING ON SHEET 15 C .

## LOCATING MAPPINC SYSTEM

4 OR 5 DIGIT NUMBERS WITHIN BRACKETS; SUCH AS ( 15 C 35 ), ALWAYS INDICATE A LOCATION WITHIN THE ELCMENTARY DIAGRAMS. THE LAST TWO DIGITS OF THE BRACKETED NUMBER INDICATES THE LINE NUMBER ON A SHEET AND THE PIRST TWO OR THPEE DIGITS INDICATE WHICH SHEET; THUS (15C35) INDICATES LINE 35 ON SHEET 15C.

## REL.AY MAPEING SYSTEM

1. UNDER EACH CONTACT (EXCEPT MAIN CONTACTS OF CONTACTORS AND STARTERS) A LOCATION MAPPTNG NUMBER INDICATES WIERE THE OPERATING COIL IS TO BE FOUND IN THE ELEMENTARY DIAGRAMS.
2. IN THE DIAGRAM MARGIN BESIDE EACH OPERATING COIL, LOCATION NUMBERS GIVE THE LOCATION OF DEVICE CONTACTS THAT ARE USED. LOCATION NUMBERS AT OPERATING COILS DIFFER FROM THE USUAL LOCATION NUMBERING SYSTEM IN THAT:-
A) THE BRACKETS ARE ELIMINATED, AND
B) UNDERSCORING INDICATES A NORMALLY CLOSED CONTACT AND LACK OF UNDERSCORING INDICATES A NORMALLY OPEN CONTACT.

THUS 3 B56 INDICATES A NORMALLY OPEN CONTACT LOCATED ON LINE 56 OF SHEET 3 B OF THE ELEMENTARY DIAGRAM, AND 13 B 48 INDICATES A NORMALLY CLOSED CONTACT LOCATED ON SHEET 13B, LINE 48.

AGAIN MAIN CONTACTS OF CONTACTORS AND STARTERS ARE NOT "MAPPED".

## CONTACTS FOR PURCHASER'S USE

CONTACTS FOR PURCHASER'S USE WILL BE SHOWN ISOLATED, IN THE BODY OF THE DIAGRAM, AS NEAR AS CONVENIENT TO THE ASSOCIATED OPERATING COIL.

WIRE NUMBERS WILL BE SHOWN ON THE WIRES COMING OUT OF THE CONTACT WITH THE LABEL "FOR PURCHASER'S USE" OR SIMILAR WORDING; THE SYMBOL FOR TERMINALS FOR CUSTOMER'S USE IS SHOWN ON SHEET OA.
these contacts will also be "Mapped" at the coil location.
IN THE ACTUAL EQUIPMENT, THESE WIRES WILL BE RUN TO THE TERMINAL BOARD, WHICH WILL BE MARKED WITH THE WIRE NUMBERS.

WHEN KNOWN, PURCHASERS WIRE NUMBERS WILL BE USED.
CONTINUATION OF WIRES ON OTHER SHEETS
WHERE A WIRE IS CONTINUED FROM ONE SHEET TO ANOTHER, THE POINT OF ITS CONTINUATION IS INDICATED BY A BRACKETED LOCATION MAPPING NUMBER. THE FULL WIRE NUMBER MAY ALSO BE SHOWN E.G.

















































