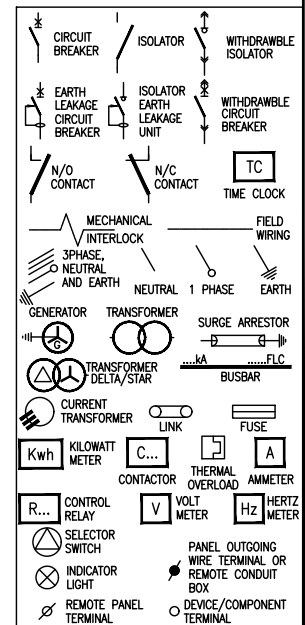
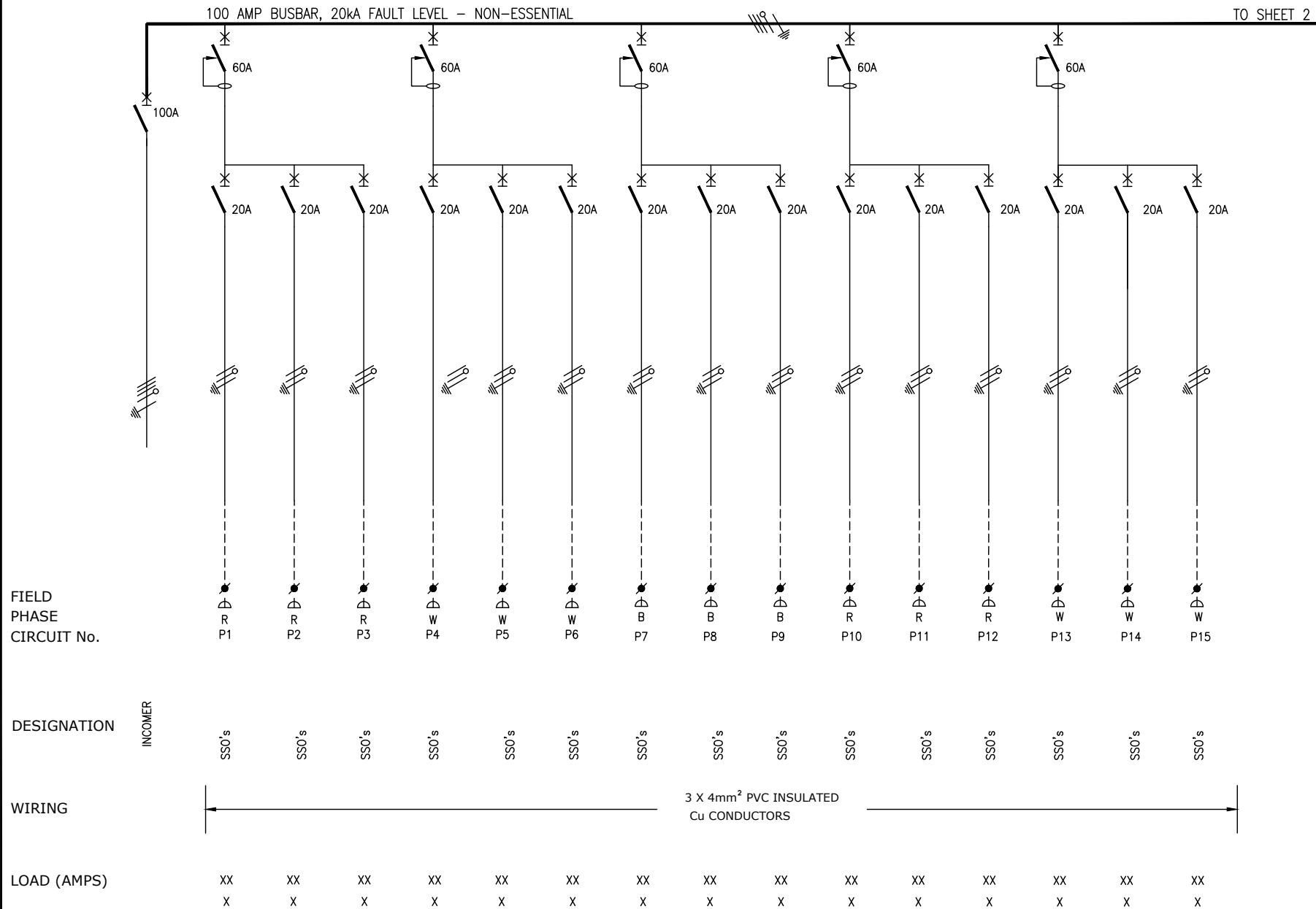


- 1) DROPPERS/TAILS TO BE RATED FOR FULL PL  
LET THROUGH.
- 2) HARNESSED WIRING TO BE DERATED.
- 3) TUFFNOL BRACES ARE NOT TO BE USED  
ABOVE 10kA.
- 4) COPPER BUSBARS TO BE CONTINUOUS  
RATED.
- 5) ALL OUTGOING CIRCUIT BREAKERS TO BE  
FITTED WITH COPPER TAILS TO FACILITATE  
CABLE TERMINATIONS IN THE CABLE  
CHAMBER AND NOT ON THE CIRCUIT  
BREAKER.
- 6) COPPER TAILS FROM DROPPER BUSBAR  
AND OUTGOING COPPER TAILS TO BE  
ADEQUATELY BRACED FOR FAULT LEVEL  
AND SHROUDED WITH HEAT SHRINK.
- 7) ALL CIRCUIT BREAKERS TO BE FITTED WITH  
TERMINAL SHIELD ON LIVE AND LOAD SIDES.
- 8) ENCLOSURE TO BE IP54.
- 9) PHASING RWB, TOP TO BOTTOM, LEFT TO  
RIGHT, BACK TO FRONT.
- 10) INTERNAL TEMP. TO BE LIMITED TO 5° ABOVE  
AMB. MAX 40°C.
- 11) ALL CIRCUITS TO BE LABELED.
- 12) 25% SPARE SPACE. SPARE SPACES ARE TO  
BE FITTED WITH COPPER BUSBAR TAILS  
CONNECTED TO DROPPER BUSBARS TO  
ALLOW INSTALLATION OF CIRCUIT  
BREAKERS WITH A MINIMAL SHUTDOWN  
PERIOD.

INCOMING CABLE	-TOP
OUTGOING CIRCUITS	-TOP
COLOUR	-ORANGE / RED
MOUNTING	-FLOOR STANDING
ACCESS	-FRONT
PROTECTIVE DEVICES	-SCHNEIDER

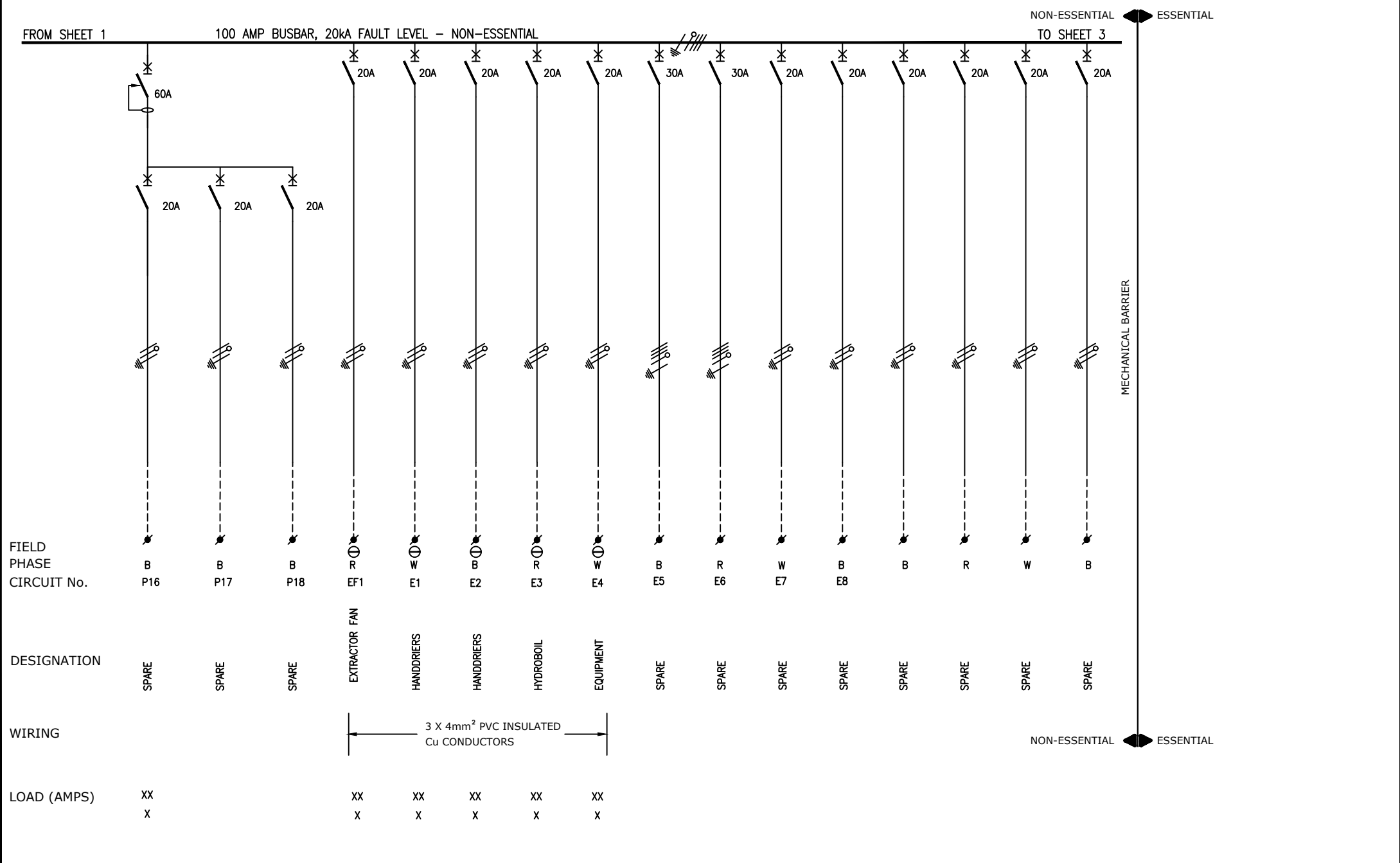


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					ENGINEER	DRAWN	DATE:	SCALE: n.t.s	CHKD.
					M.Kambaran	VT	Nov'17	PAPER SIZE: A3	
0	Original Issue	CG	28/2/20	MK	PROJECT No. 17052	DRAWING No. 413	SHEET: 1 of 5	REV. 0	
REV	DESCRIPTION	BY	DATE	CHKD.	File Name : 17052_403	Lyr:			

TITLE	Government Printing Works Refurbishment
DRAWING TITLE:	OFFICE DB DB-05/05E SINGLE LINE DIAGRAM





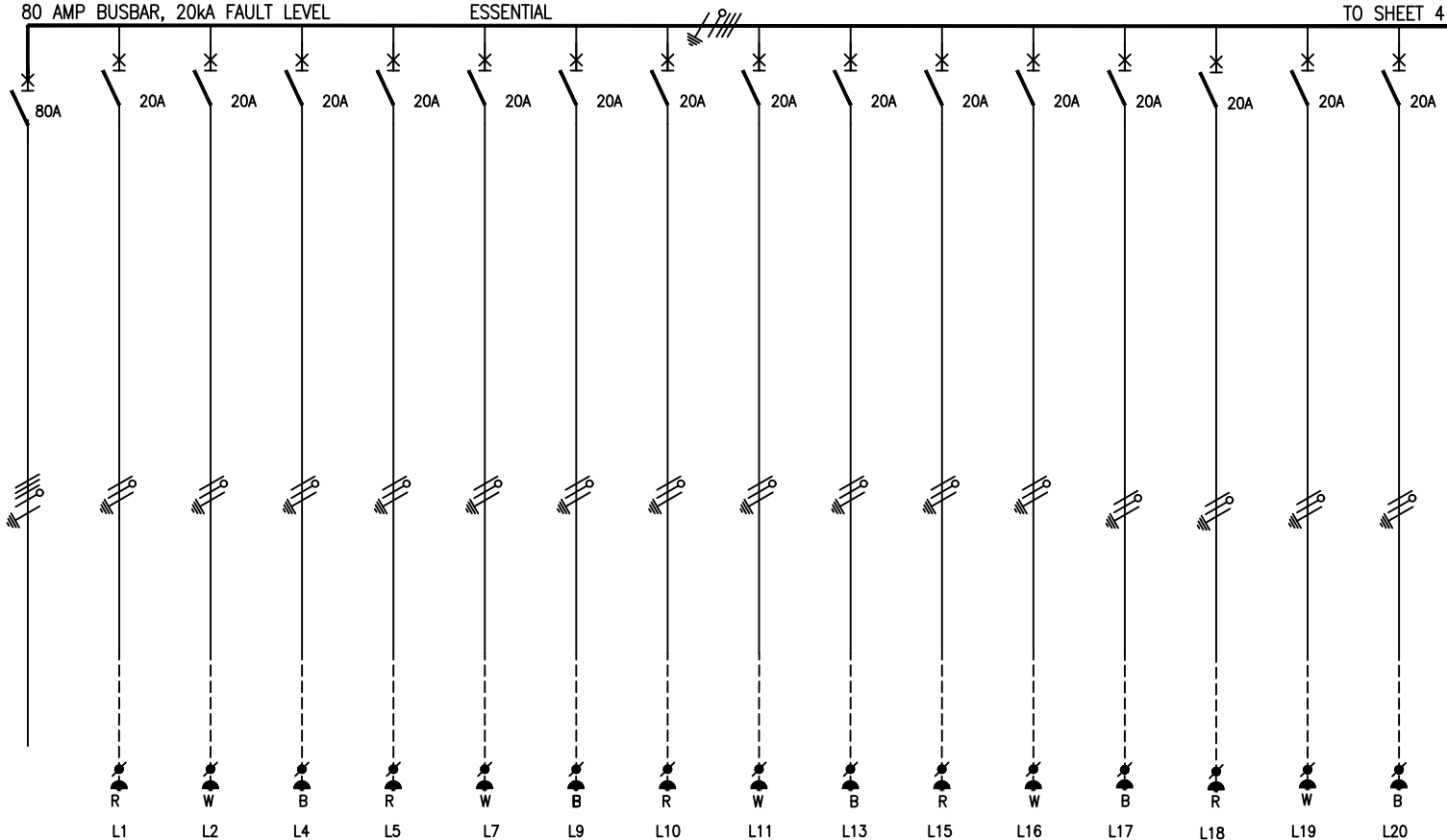
						NOT WITHSTANDING ANYTHING TO THE CONTRARY, ALL RIGHTS RESERVED. NO PART OF THIS DRAWING MAY BE REPRODUCED IN ANY MATERIAL FORM (INCLUDING PHOTOCOPYING OR STORING IN ANY MEDIUM OR BY ELECTRONIC MEANS WHETHER OR NOT TRANSIENTLY OR INCIDENTLY TO SOME OTHER USE OF THIS DRAWING) AND ALSO, THIS DRAWING MAY NOT BE USED FOR ANY PURPOSE OR REASON OTHER THAN FOR WHICH IT WAS ORIGINALLY ISSUED, WITHOUT THE WRITTEN PERMISSION OF IBUYA CONSULTING ENGINEERS.									
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						M.Kambaran	VT	Nov'17	n.t.s						
						PROJECT No.	DRAWING No.	SHEET:	PAPER SIZE:	REV.	DRAWING TITLE: OFFICE DB DB-05/05E SINGLE LINE DIAGRAM				
0	Original Issue	CG	28/2/20	MK		17052	413	2 of 5	A3	0					
REV	DESCRIPTION	BY	DATE	CHKD.	File Name : 17052_403	Lyr:									

**LDM**  
Solutions For The Built Environment

80 AMP BUSBAR, 20kA FAULT LEVEL

ESSENTIAL

TO SHEET 4

FIELD  
PHASE

CIRCUIT No.

DESIGNATION

WIRING

LOAD (AMPS)

INCOMER	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING	LIGHTING
XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX	XX
X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X

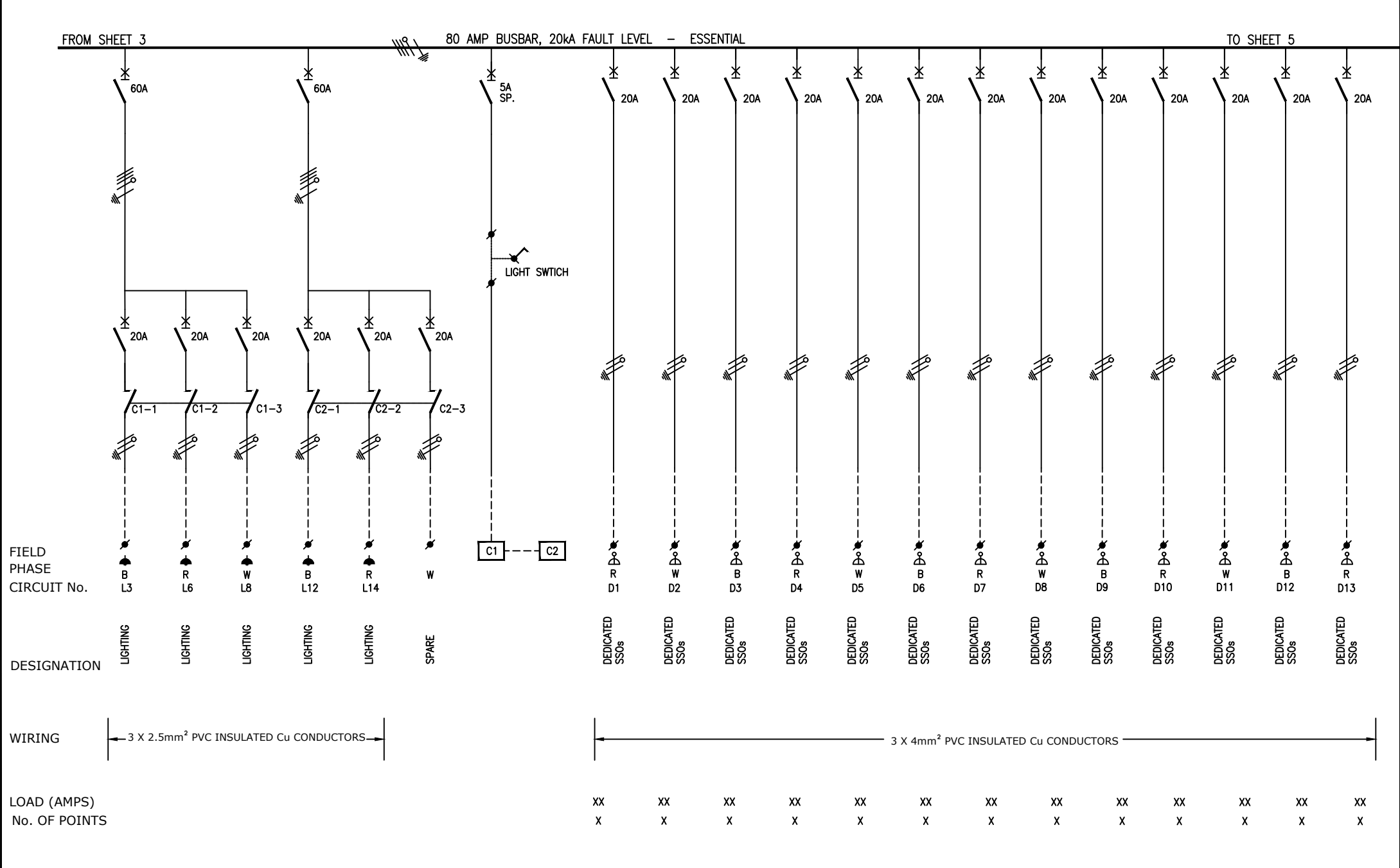
3 X 2.5mm<sup>2</sup> PVC INSULATED Cu CONDUCTORS

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					M.Kambaran	VT	Nov'17	n.t.s	
					PROJECT No.	DRAWING No.	SHEET:		REV.
					17052	413	3 of 5		0
0	Original Issue	CG	28/2/20	MK	File Name : 17052_403	Lyr:			
REV	DESCRIPTION	BY	DATE	CHKD.					

TITLE
Government Printing Works Refurbishment
DRAWING TITLE:
OFFICE DB DB-05/05E SINGLE LINE DIAGRAM

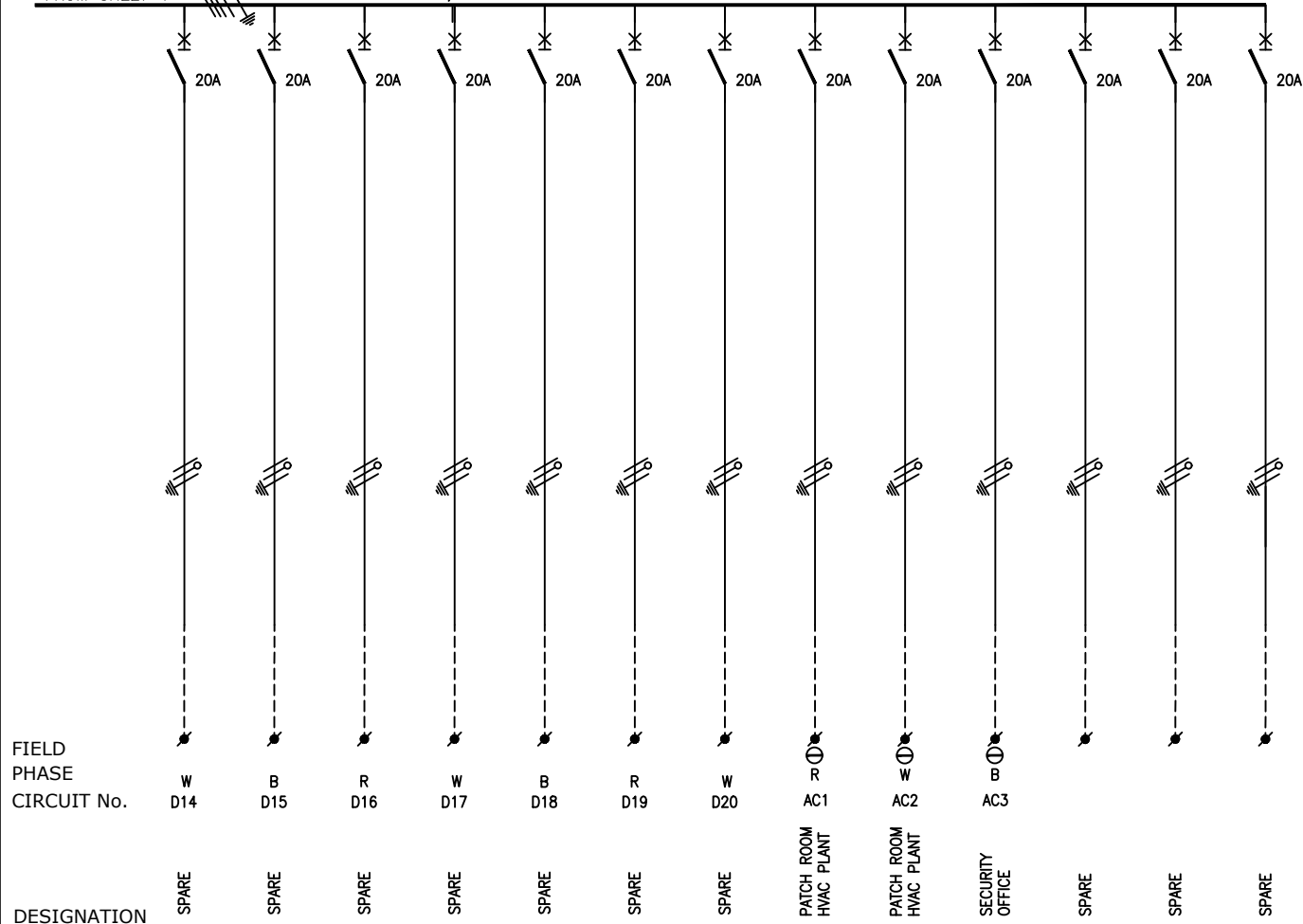




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					ENGINEER	DRAWN	DATE:	SCALE:	CHKD.
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									0
REV	DESCRIPTION	BY	DATE	CHKD.	File Name : 17052_403	Lyr:	DRAWING TITLE:		
							Government Printing Works Refurbishment		
							OFFICE DB DB-05/05E SINGLE LINE DIAGRAM		

**LDM**  
Solutions For The Built Environment

FROM SHEET 4 80 AMP BUSBAR, 20kA FAULT LEVEL - ESSENTIAL



WIRING

3 X 4mm<sup>2</sup> PVC INSULATED  
Cu CONDUCTORS

LOAD (AMPS)

XX XX XX  
X X X

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				17052	413	5 of 5	A3	0
REV	DESCRIPTION	BY	DATE	CHKD.	File Name : 17052_403	Lyr:		

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