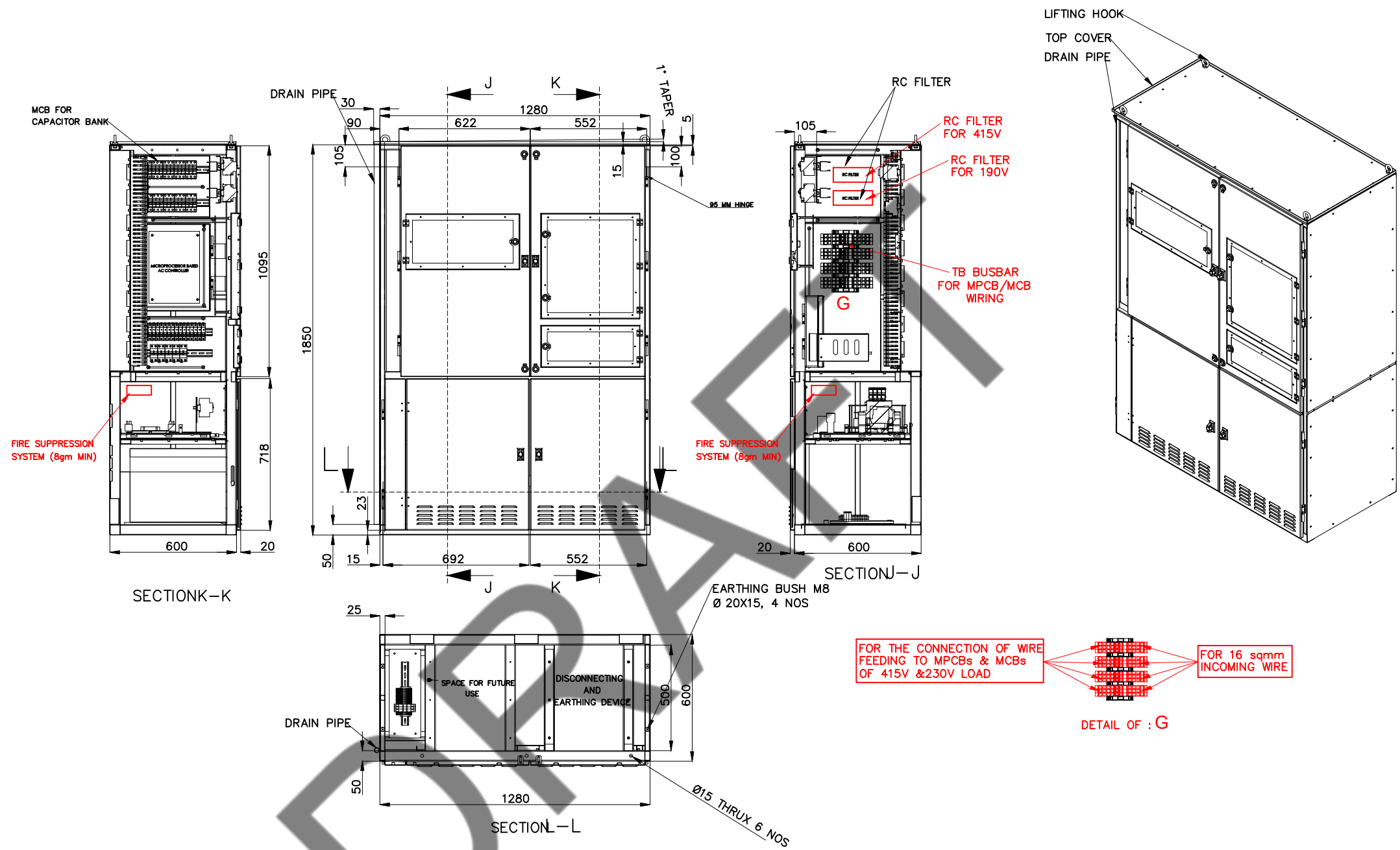




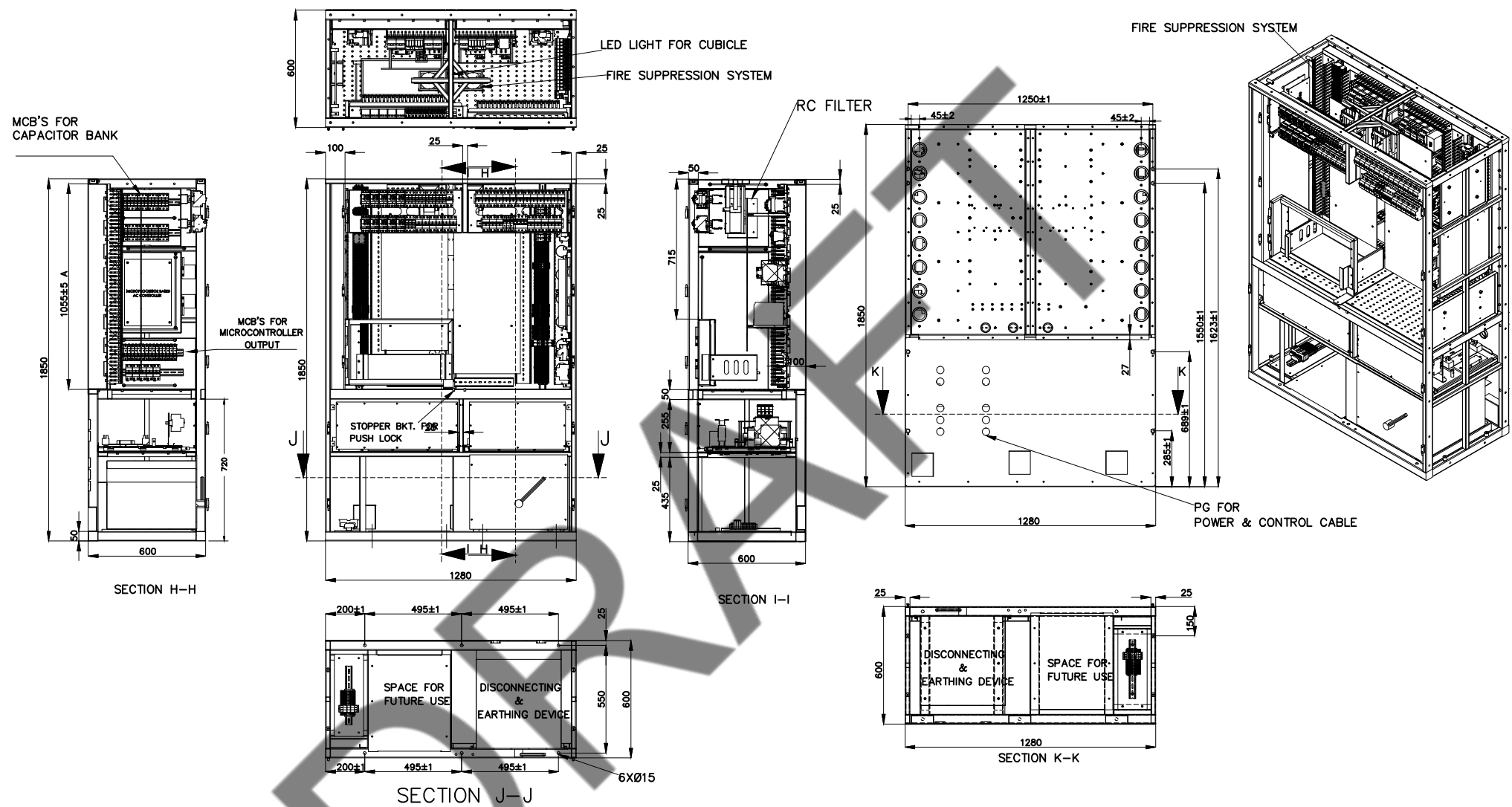
NOTE:-

1. ALL DIMENSIONS ARE IN MM.
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
3. ONLY THREE SIZES OF SS TUBE 25X50X2, 50X50X2, 25X25X2 WILL BE USED.
4. HINGE 95MM LENGTH SHALL BE USED AND SYMMETRY SHALL BE MAINTAINED

DT.	16/09/2020
D	AD
C	AKS

REV	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

REF :-	SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)			SUPERSEDES LW70020 SHEET 1
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW			SUPERSEDES 205-2019 (REV.0)
RDSO/PE/SK/AC/0205-2019 (Rev. 2)			SUPERSEDED BY 205-2019 (REV.1)
SHEET 1 OF 16			



NOTE:-

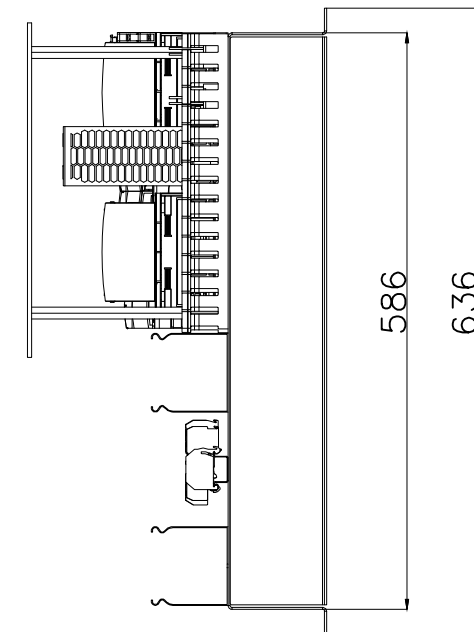
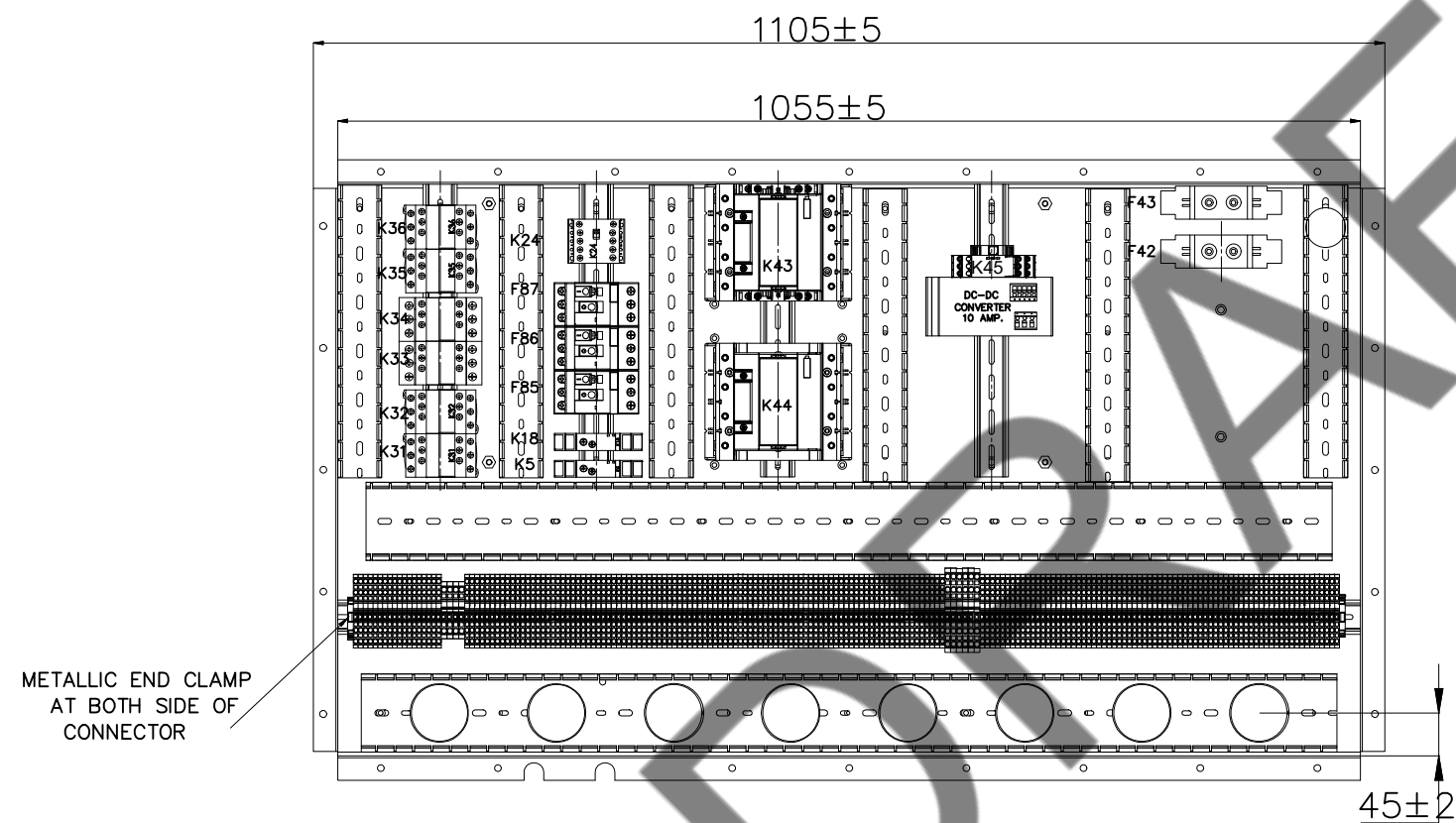
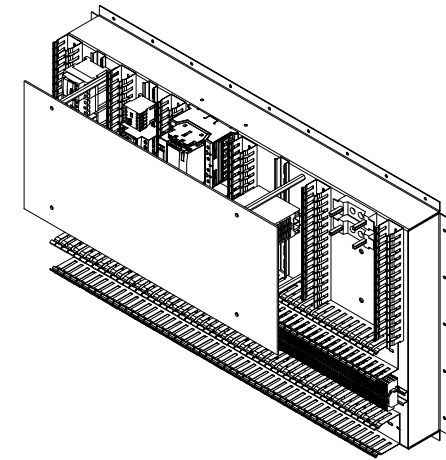
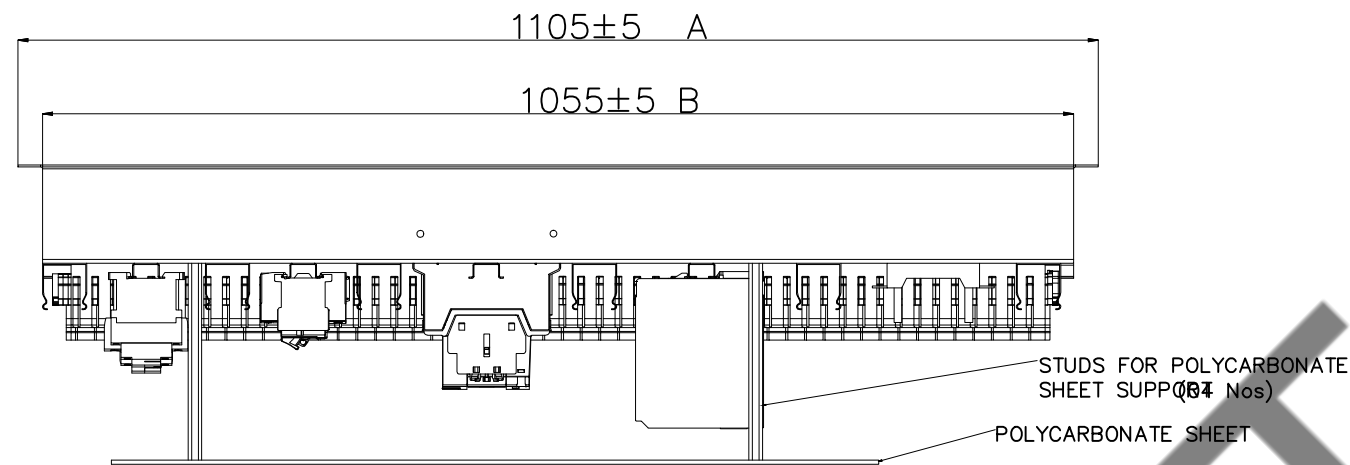
1. ALL DIMENSIONS ARE IN MM.
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
3. ONLY THREE SIZES OF SS TUBE 25X50X2, 50X50X2, 25X25X2 SHALL BE USED.
4. PG29/PG48 SUITABLE END FITTING FOR POWER & CONTROL CABLES SHALL BE USED.
5. SUITABLE MOUNTING HOLES D&D AND CONTACTORS ETC SHALL BE MADE AS PER AVAILABILITY.

DT.	16.09.2020
D	AD
C	AKS

REV	01	EL.7.1.108.SBC	DSE/TLAC	16.09.2020
STATUS	REV./ALT.	REF. NO.	APPD. BY	DATE

S. NO.	AS PER REF. DRG	REVISED DIM.	REMARKS
1	A	1050 1055±5	DUE TO CHANGE IN PIPE SIZE

REF :-	SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
FRAME COMPLETE SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)			SUPERSEDES LW70020 SHEET 2
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW			SUPERSEDES 205-2019 (REV.0)
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. - 1)			SUPERSEDED BY 205-2019 (REV.1)



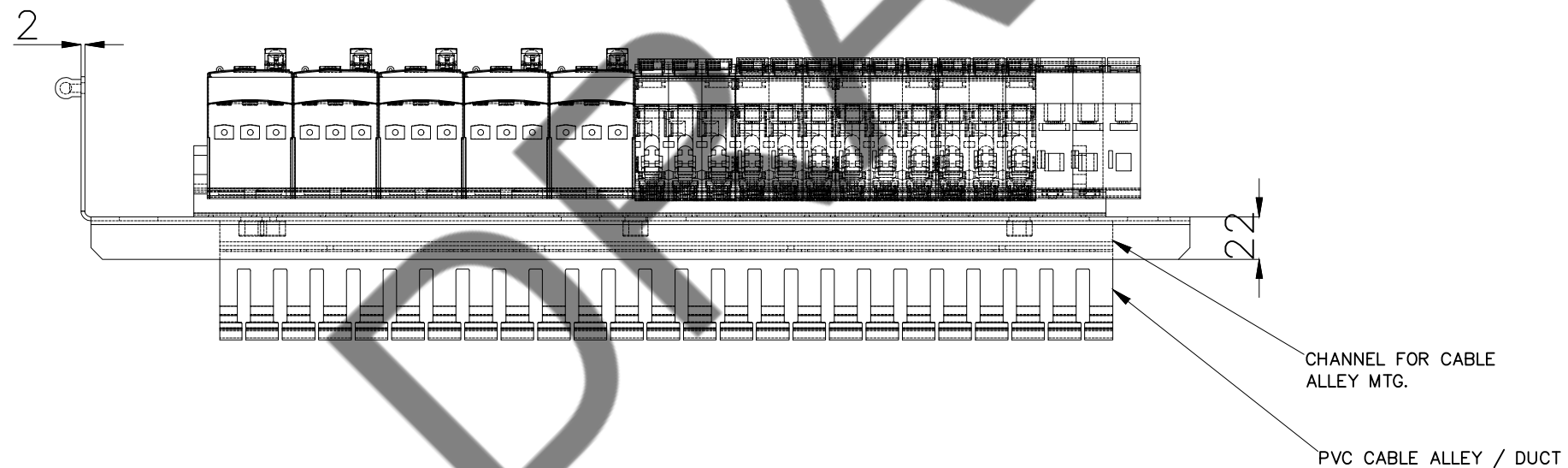
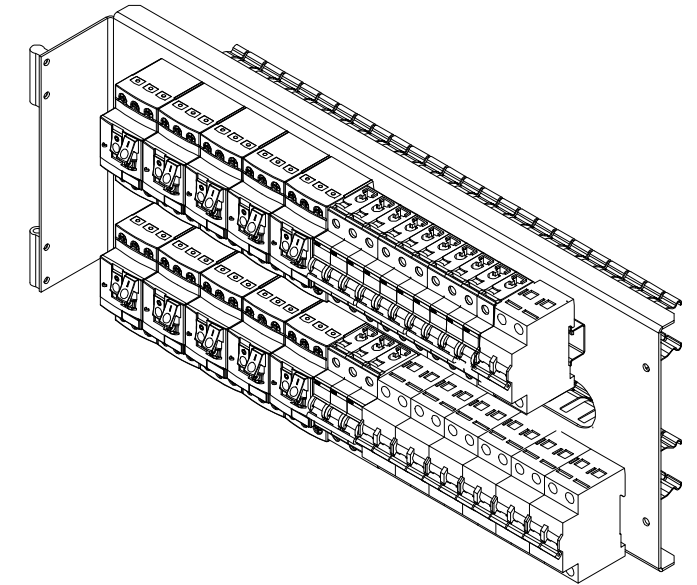
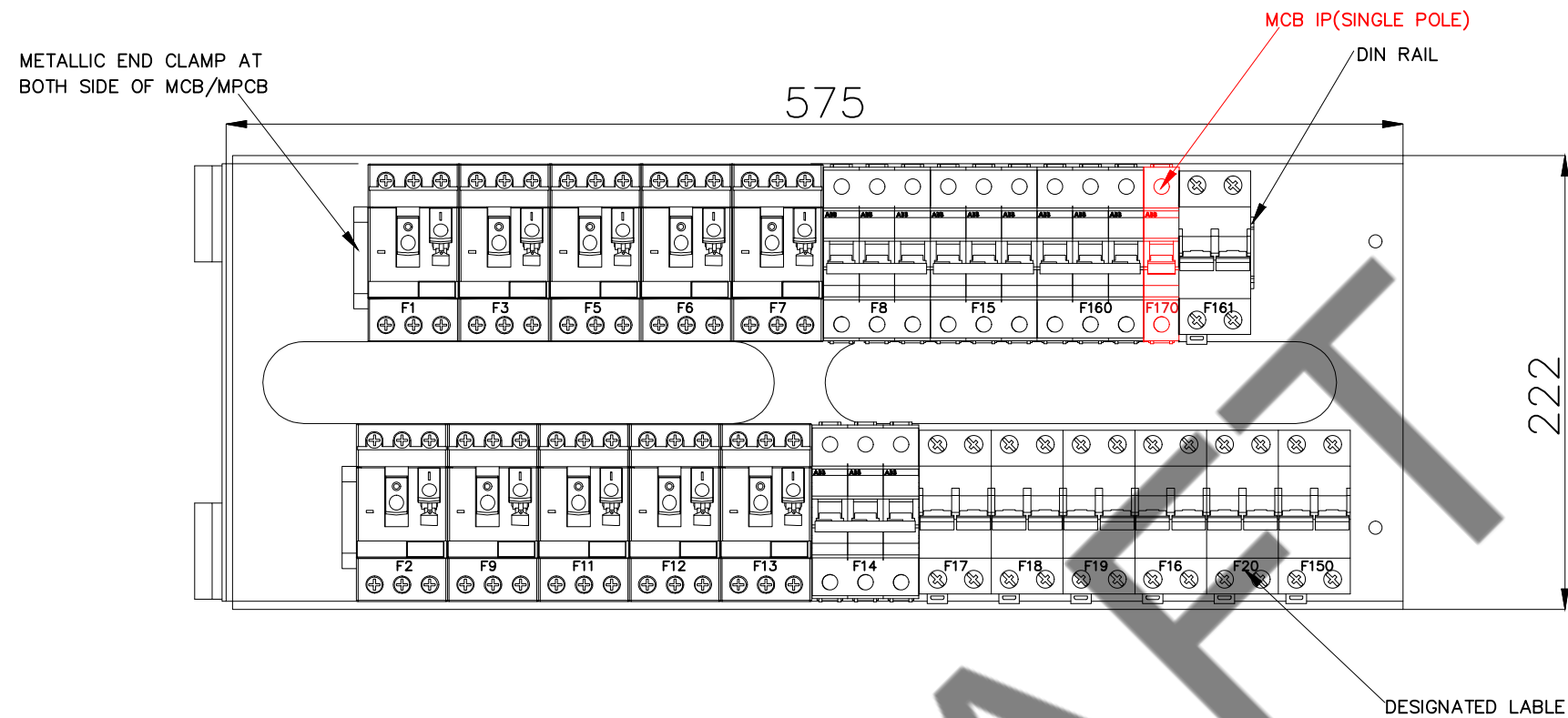
- NOTE:
1. ALL DIMENSIONS IN MM
 2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
 3. EDGE PROTECTION SLEEVE PROVIDE ON ALL CUTOUT
 4. PG29/PG48 SUITABLE END FITTINGS SHALL BE USED.

S. NO.	AS PER REF. DRG	REVISED DIM.	REMARKS
1	A	1098	1105+/-5
2	B	1048	1055+/-5
3	C	---	45±2

REF. :		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
MOUNTING PLATE - LEFT SWITCH BOARD CABINET - S1 SPEC I84 (SMART SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES RDSO/PE/SK/AC/0191-2015 SHEET 1 OF 5
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV. '1' SHEET 4 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SHEET 4 OF 16

DT.	16.09.2020
D	AD
C	AKS

Rev.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

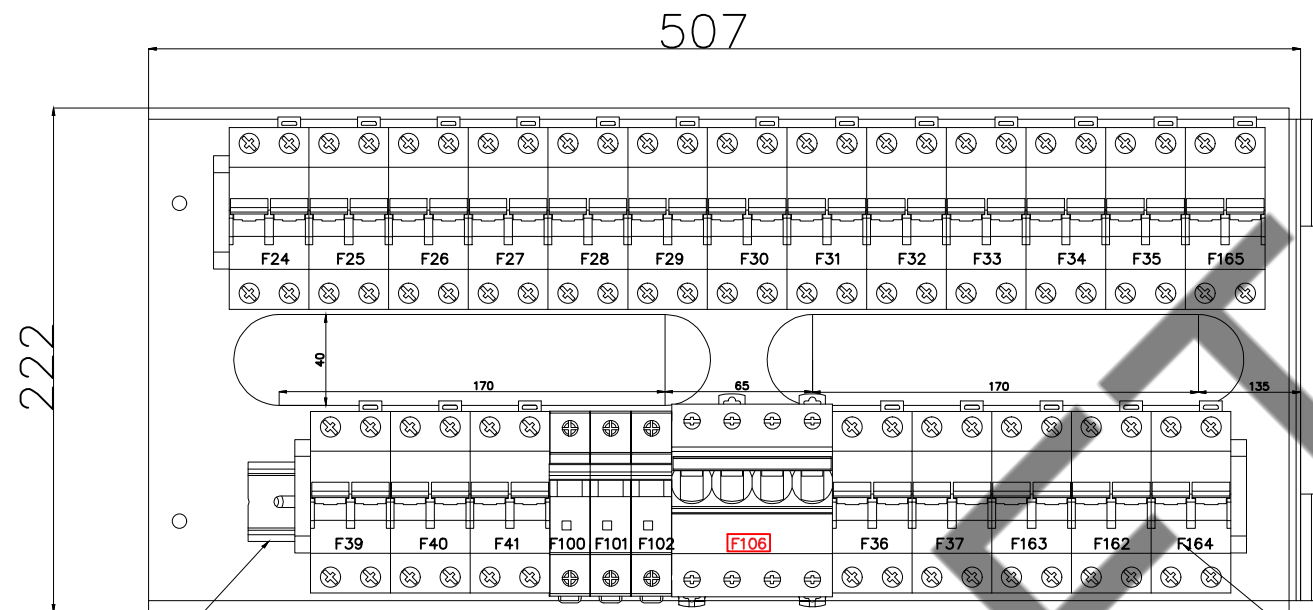


NOTE:
 1. ALL DIMENSIONS IN MM
 2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008
 3. EDGE PROTECTION SLEEVE PROVIDE ON ALL CUTOUT.

REF :-		SCALE :- 1 : 1	APPROVED BY :-
MPCB / MCB HOLDER - LEFT SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)			(FOR D. G.) SUPERSEDES RDSO/PE/SK/AC/0191-2015 SHEET 3 OF 5
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW			SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV.'0' SHEET 5 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 2)			SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 REV.'1' SHEET 5 OF 16
SHEET 5 OF 16			

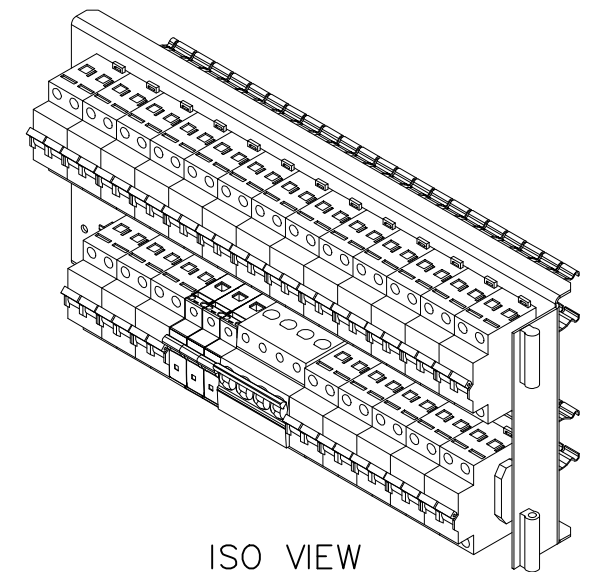
DT.	16.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV / ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

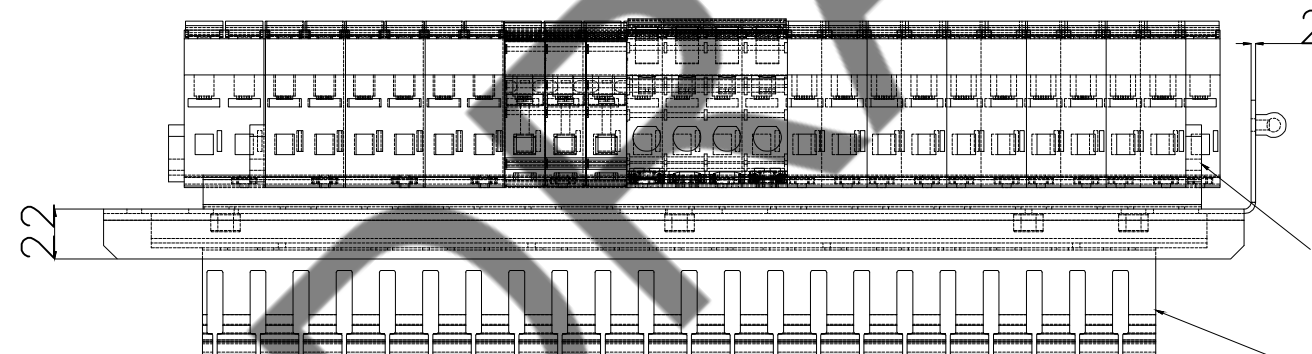


DIN RAIL

COMPUTER GENERATED
DESIGNATED LABEL



ISO VIEW



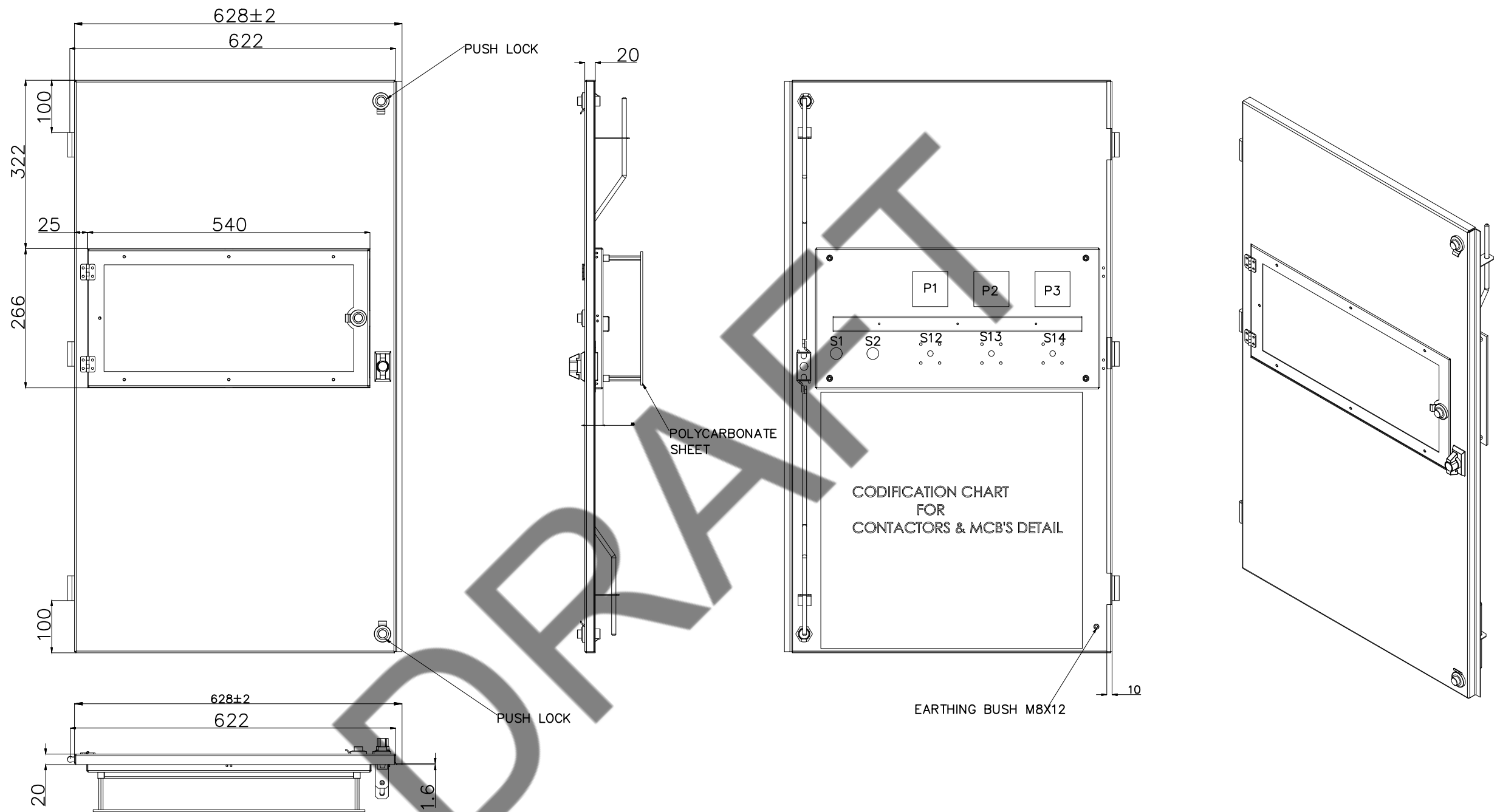
METALIC END CLAMP AT BOTH SIDE
OF MCB/MPCB

PVC CABLE ALLEY

DT.	16.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
CONNECTING BLOCKS - RIGHT (X-1.2) SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)			SUPERSEDES RDSO/PE/SK/AC/0191-2015 SHEET 4 OF 5	
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW			SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV.'0' SHEET 6 OF 16	
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 2)			SHEET 6 OF 16	
			SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 REV.'1' SHEET 6 OF 16	

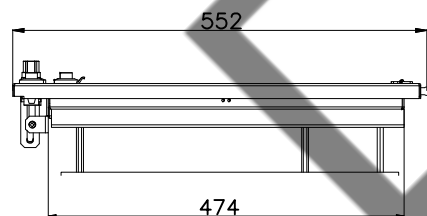
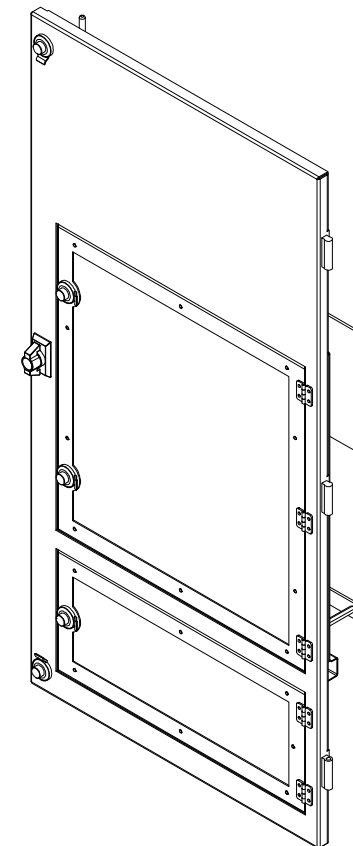
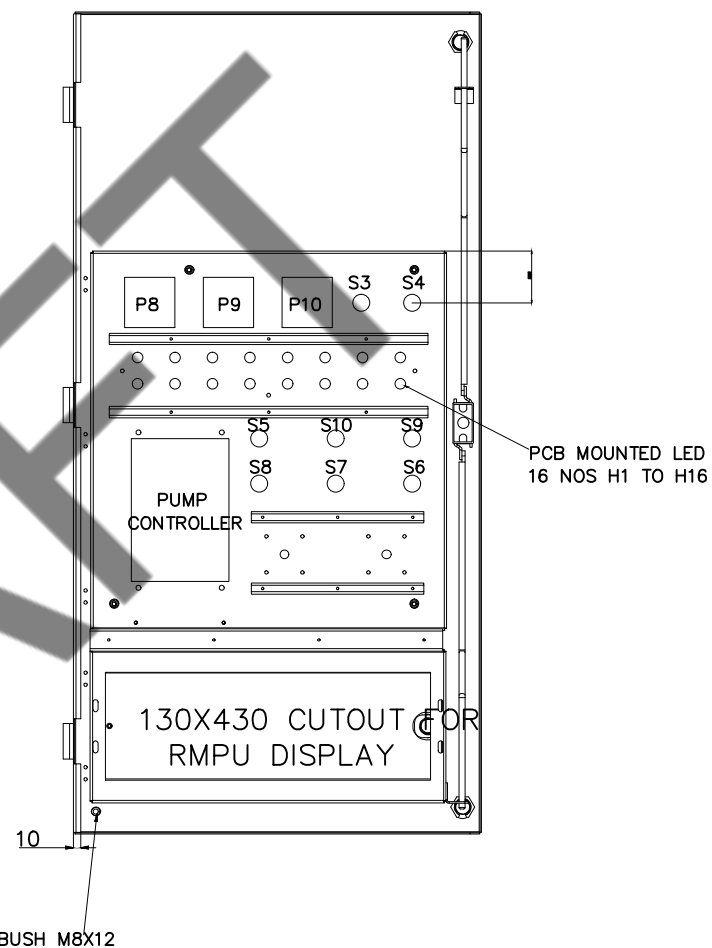
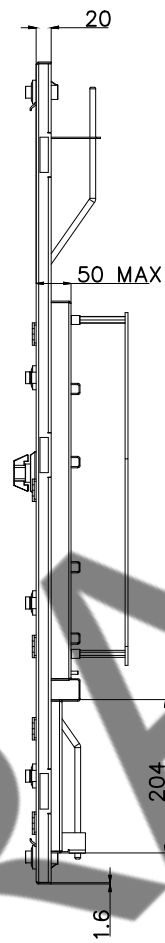
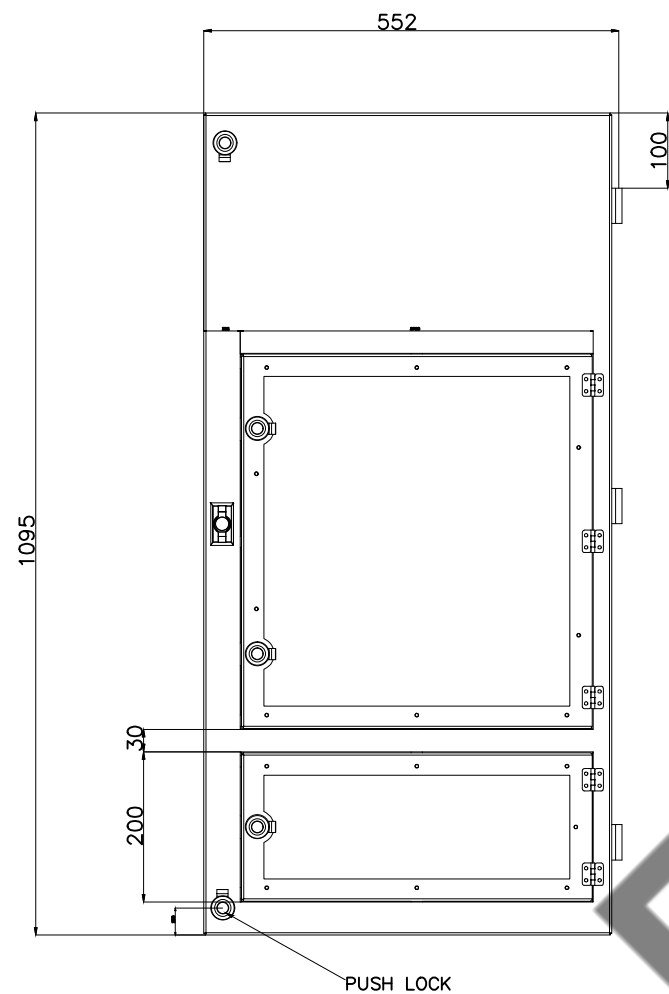


NOTE:
1. ALL DIMENSIONS IN MM
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
3. SHEET THICKNESS FOR ALL FRONT DOORS SHALL BE 1.6 MM.

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
DOOR COMPLETE - LEFT SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 7
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV.'V' SHEET 7 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 REV.'Y' SHEET 7 OF 16
SHEET 7 OF 16				

DT.	16.09.2020
D	AD
C	AKS

Rev.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE



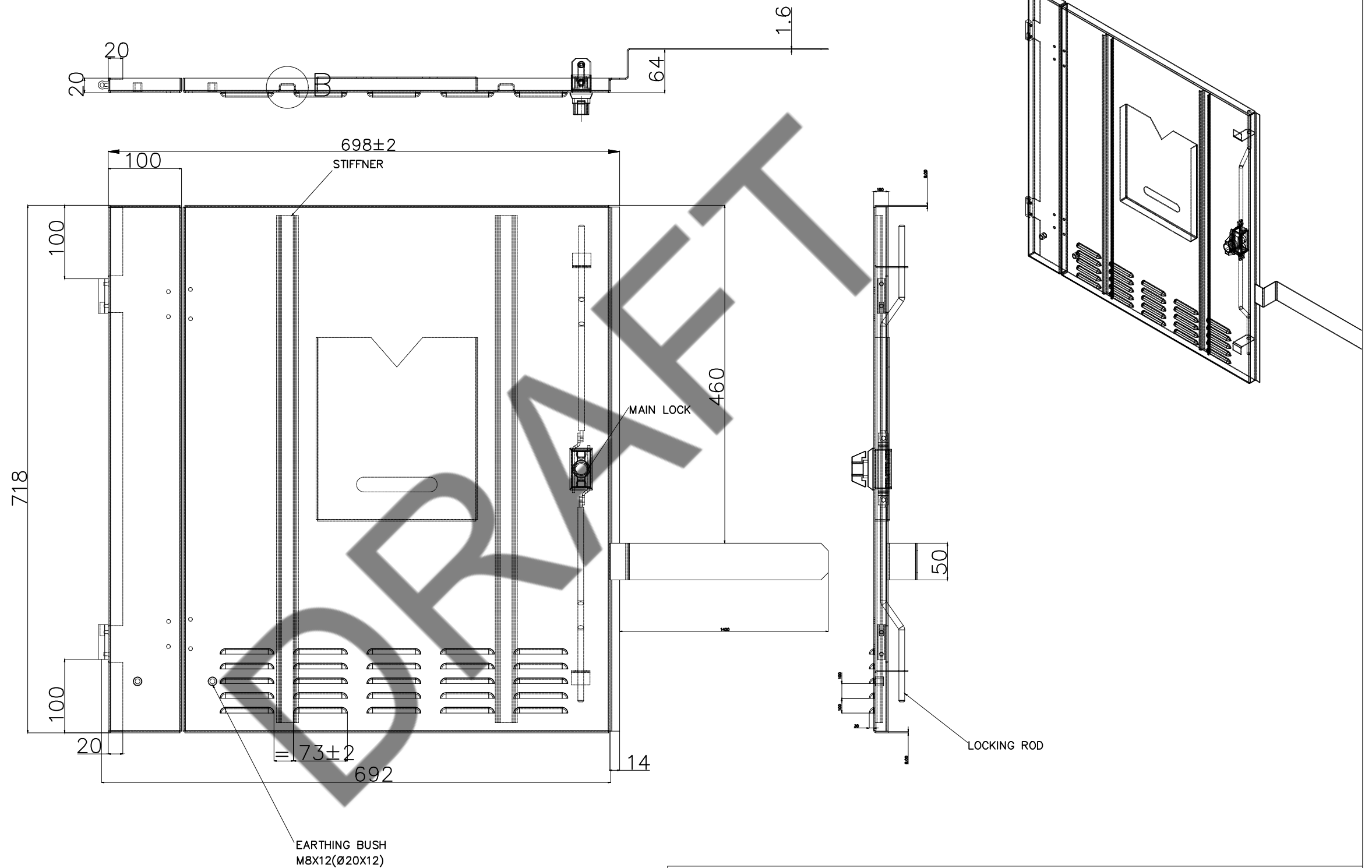
NOTE:-

1. ALL DIMENSIONS ARE IN MM.
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
3. ALL FRONT DOORS SHALL BE MADE OF 1.6 MM THICK SS 304L SHEET.

DT.	16.09.2020
D	AD
C	AKS

Rev.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
DOOR COMPLETE - RIGHT SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 8
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV.'0' SHEET 8 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 REV.'1' SHEET 8 OF 16
SHEET 8 OF 16				

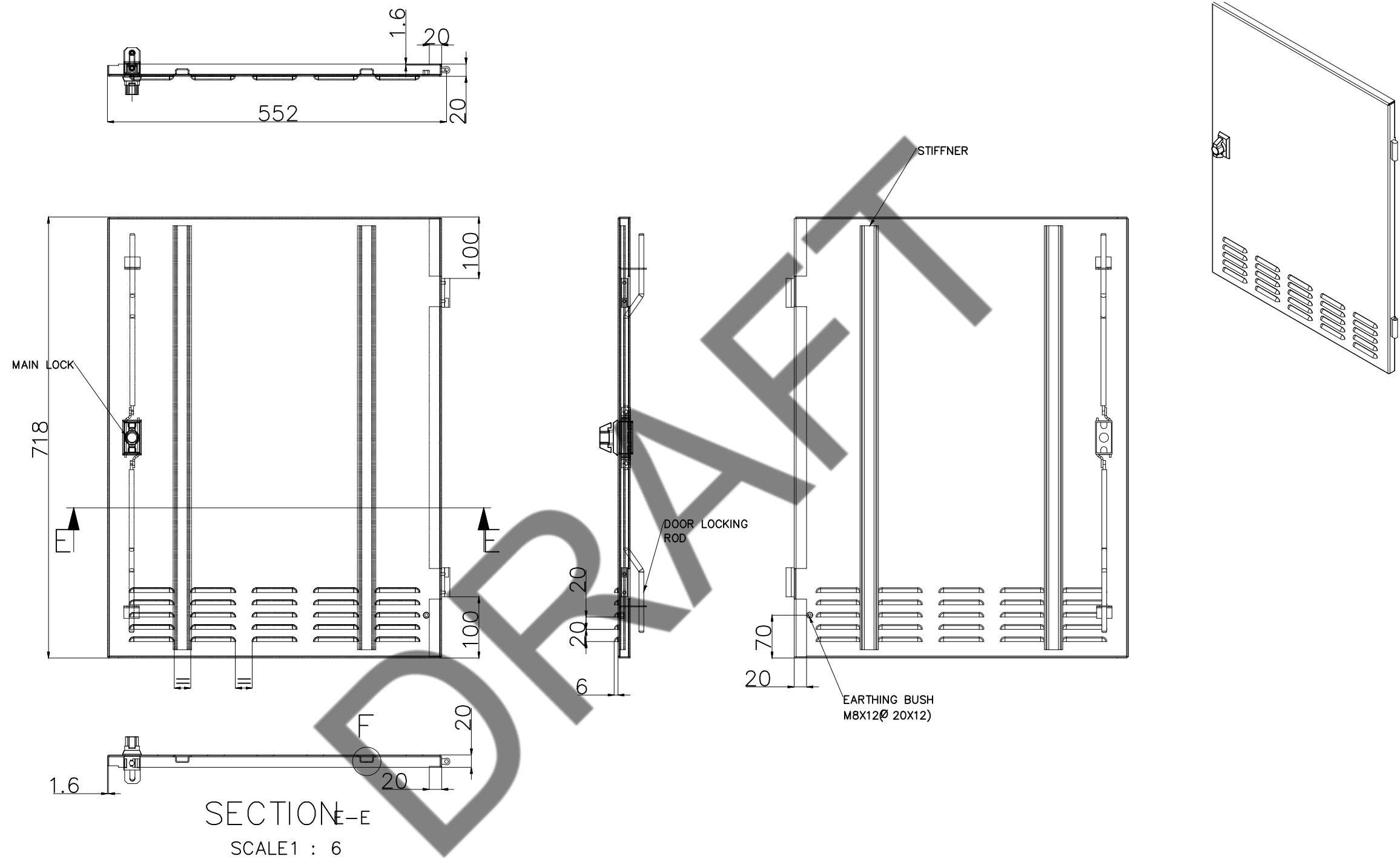


NOTE:
1. ALL DIMENSIONS IN MM.
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.

DT.	16.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
DOOR COMPLETE (BOTTOM) - LEFT SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 9
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV.17 SHEET 9 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SHEET 9 OF 16

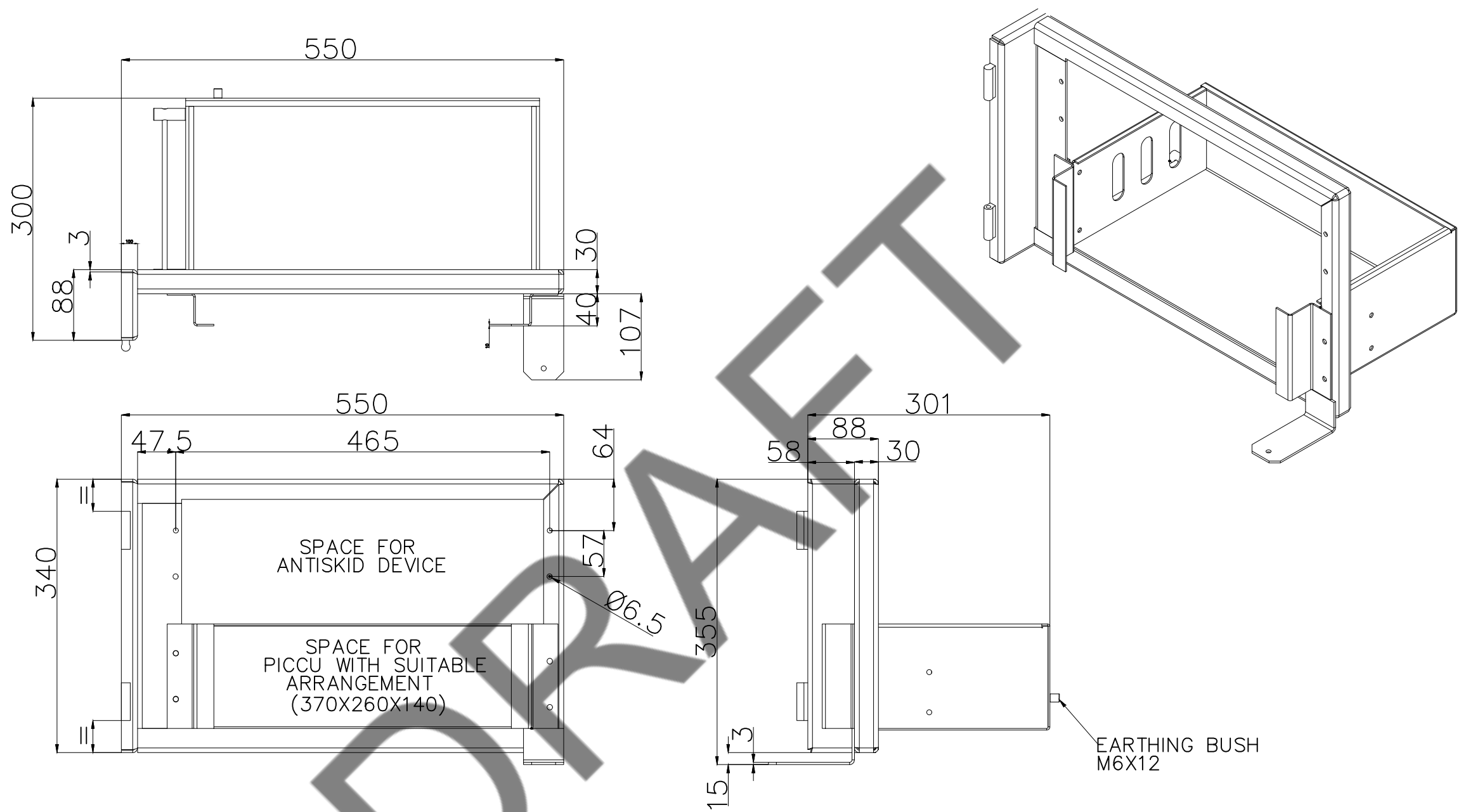


NOTE:
1. ALL DIMENSIONS IN MM
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
DOOR COMPLETE (BOTTOM) - RIGHT SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 10
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV 'I' SHEET 10 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 REV 'I' SHEET 10 OF 16

DT.	16.09.2020
D	AD
C	AKS

Rev.	01	EL. 7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

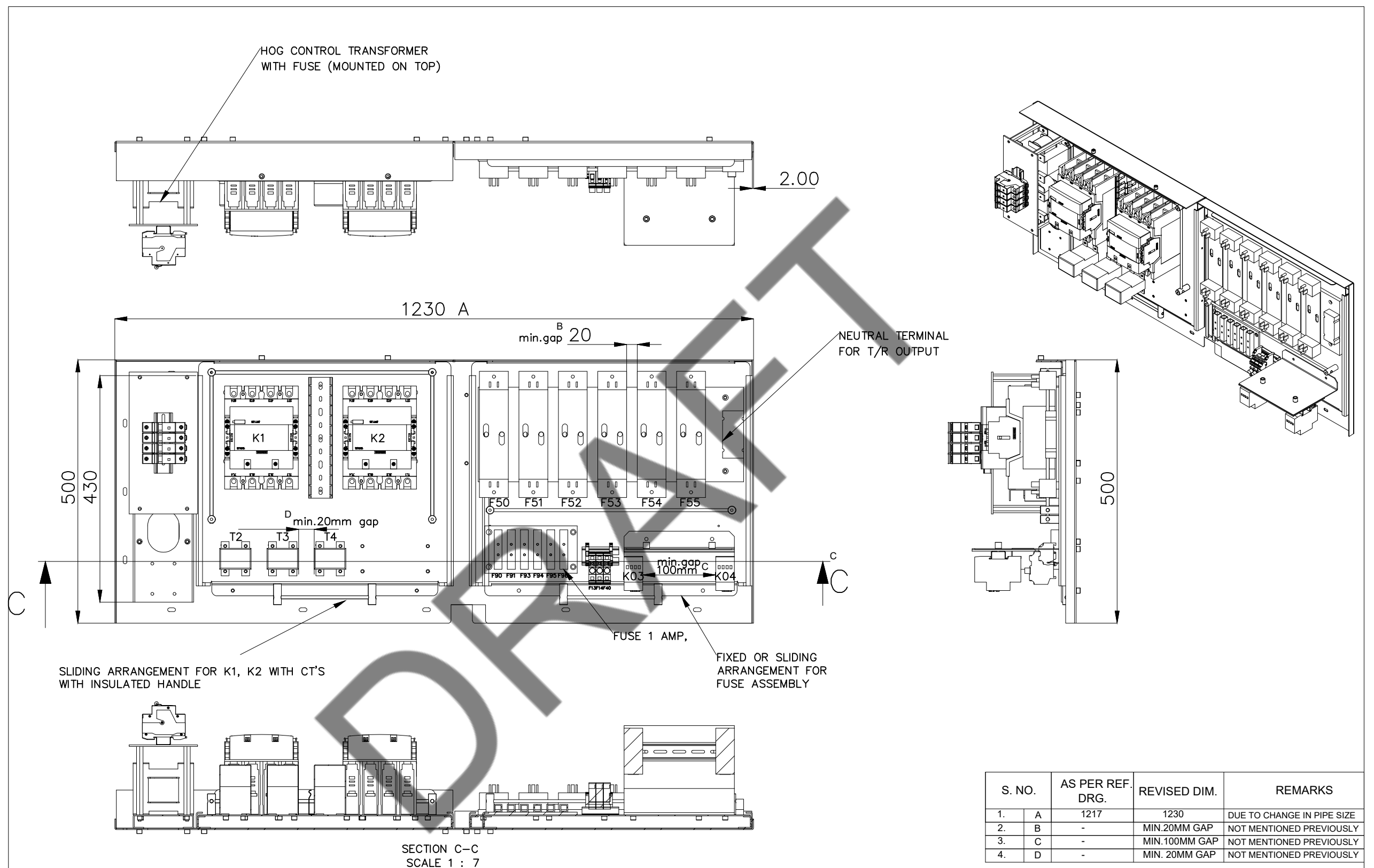


NOTE:
1. ALL DIMENSIONS IN MM.
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
3. EDGE PROTECTION SLEEVE PROVIDE ON CUTOUT.

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
ROTATING FRAME FOR SUB - RACK SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 11
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV '0' SHEET 11 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2018 (Rev. 1)				SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV '1' SHEET 11 OF 16
SHEET 11 OF 16				

DT.	16.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE



NOTE:-

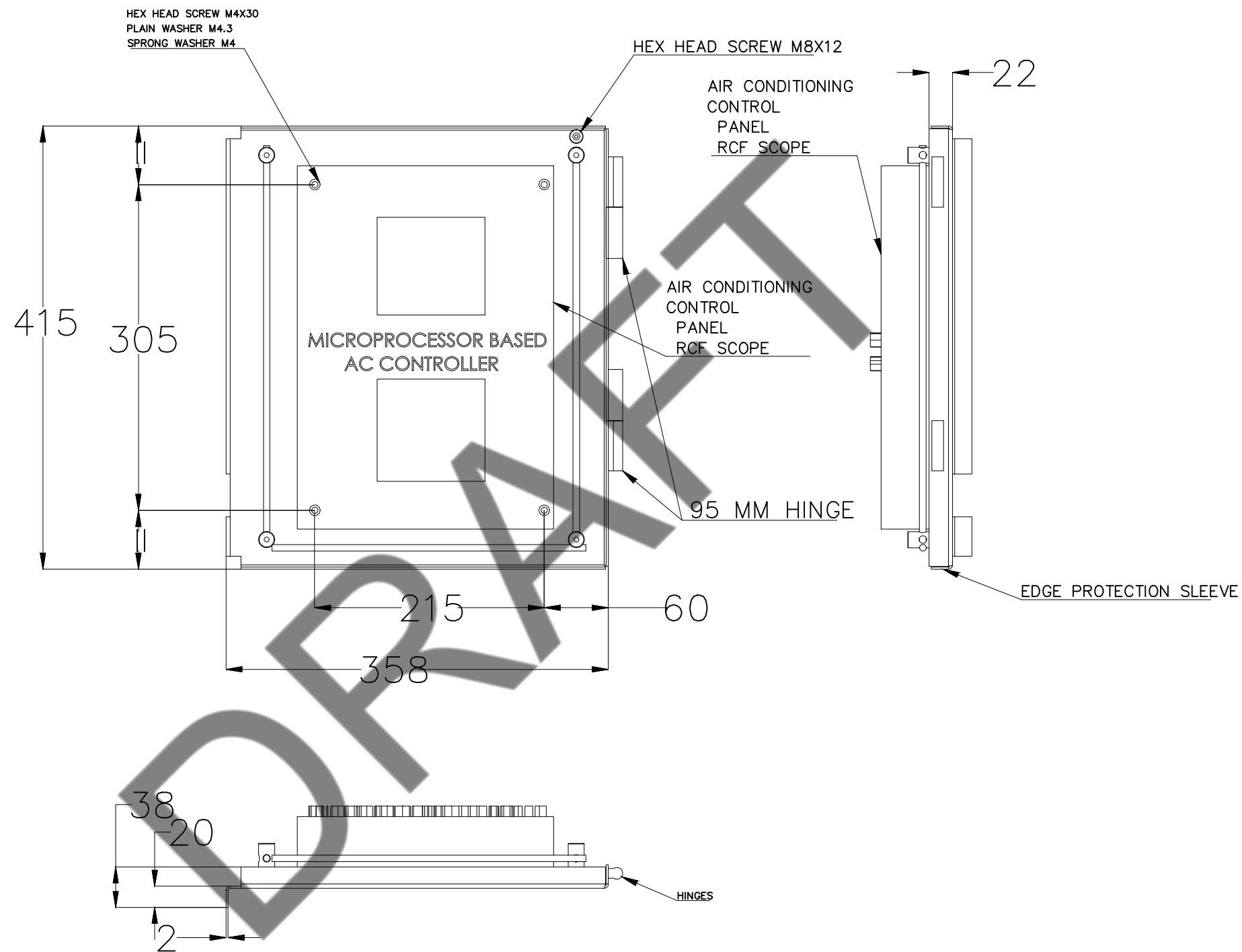
1. ALL DIMENSIONS ARE IN MM.
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.

DT.	16.09.2020
D	AD
C	AKS

Rev.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

S. NO.	AS PER REF. DRG.	REVISED DIM.	REMARKS
1.	A	1217	1230
2.	B	-	MIN.20MM GAP
3.	C	-	MIN.100MM GAP
4.	D	-	MIN. 20MM GAP

REMARKS			
REF :-		APPROVED BY :-	(FOR D. G.)
BOTTOM CONTACTORS (K1 & K2) & FUSE MOUNTING PLATE - LEFT & RIGHT SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)			SUPERSEDES LW70020 SHEET 13
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW			SUPERSEDES RDSO/PE/SK/AC/0205-2019 REV. '0' SHEET 12 OF 16
RDSO/PE/SK/AC/0205-2019 (Rev. 1)			SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 REV. '1' SHEET 12 OF 16



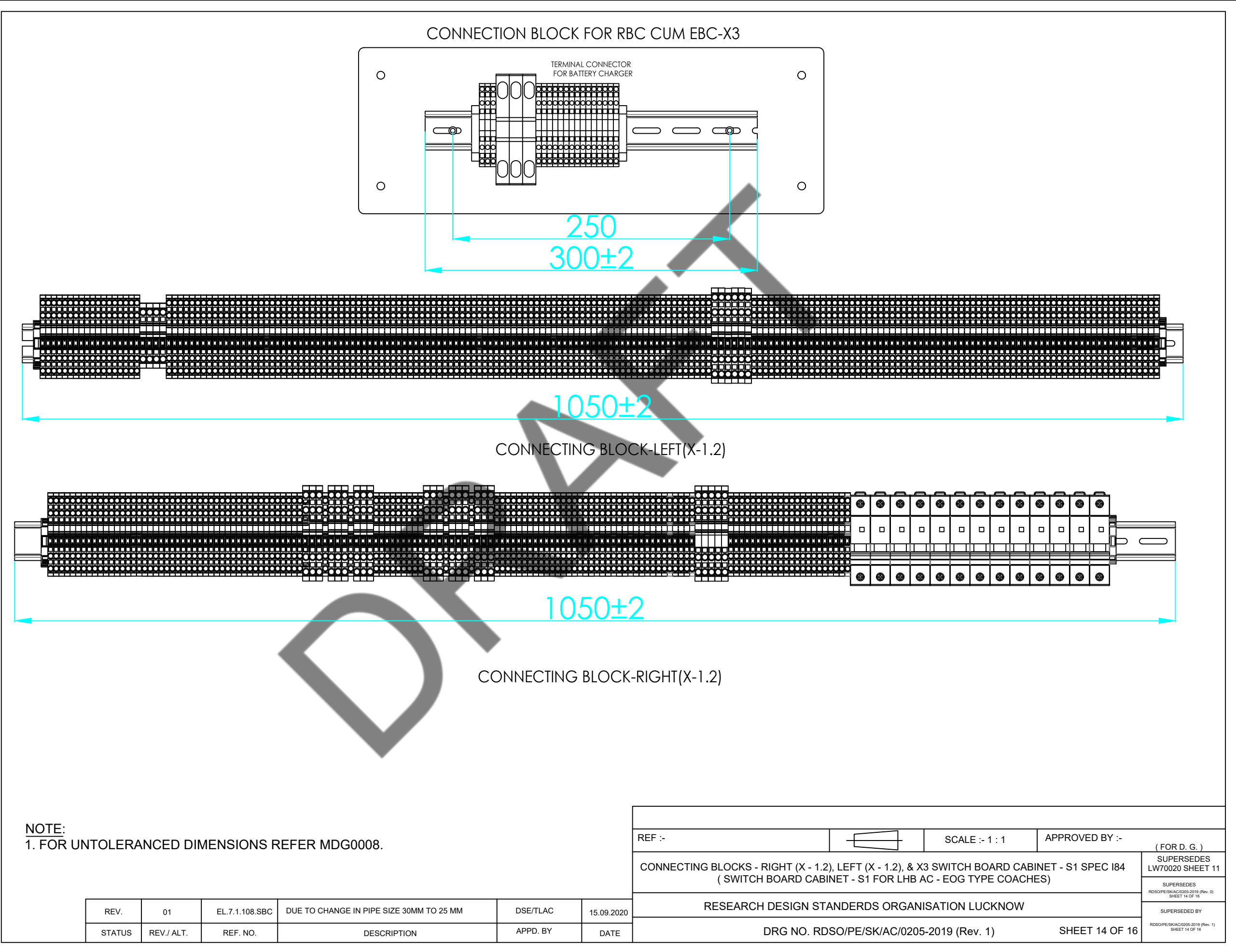
NOTE:-

1. ALL DIMENSIONS ARE IN MM.
2. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
3. HINGE 95 MM LENGTH SHALL BE USED SYMMETRICALLY FOR MOUNTING WITH FRAME.

DT.	16.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

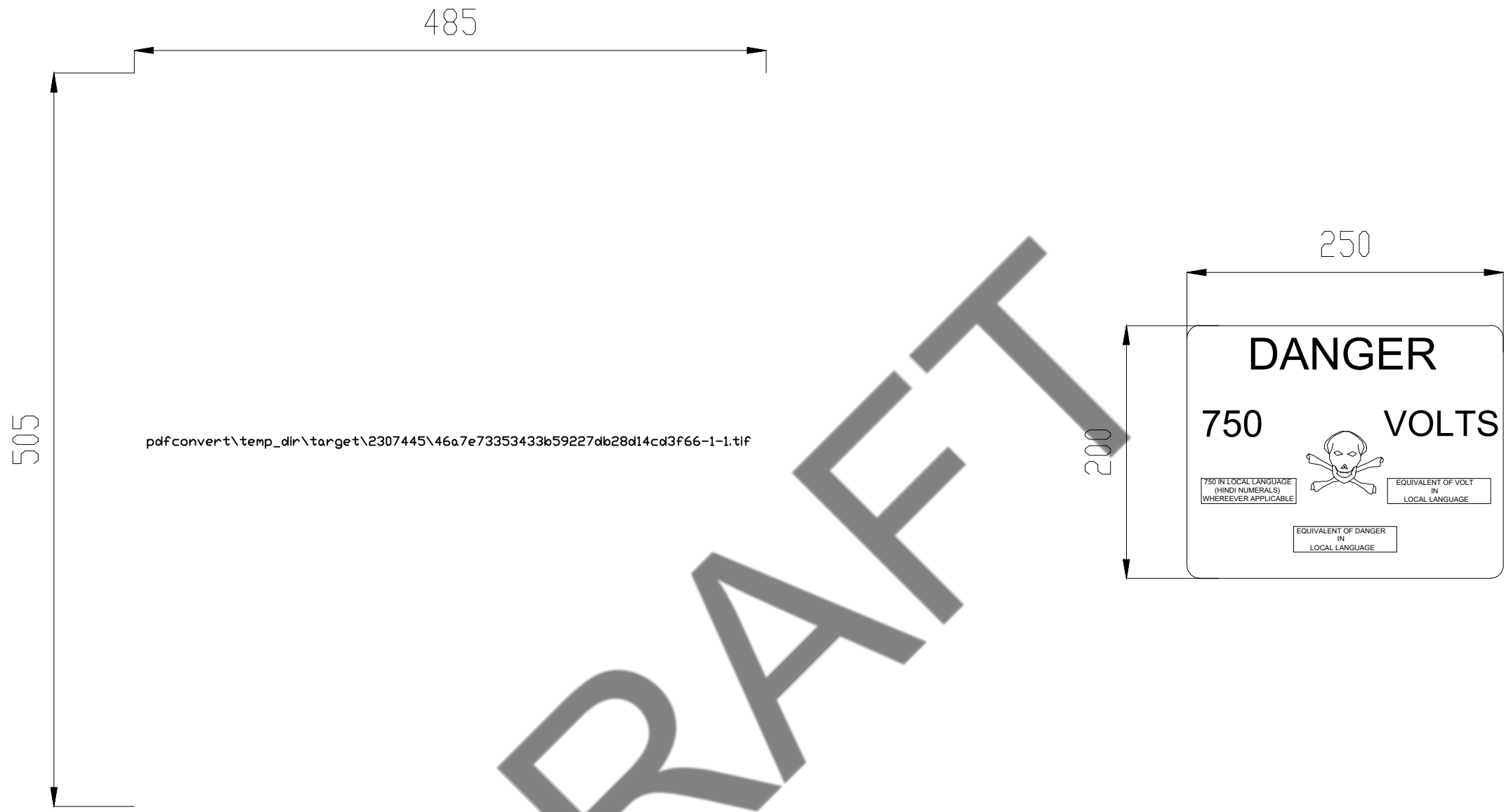
REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
FRAME FOR HVAC CONTROLLER SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 14
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 (Rev. 0) SHEET 13 OF 16
RDSO/PE/SK/AC/0205-2019 (Rev.1)				SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 (Rev. 1) SHEET 13 OF 16



DT.	15.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	15.09.2020
STATUS	REV./ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
CONNECTING BLOCKS - RIGHT (X - 1.2), LEFT (X - 1.2), & X3 SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 11
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 (Rev. 0) SHEET 14 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SHEET 14 OF 16 SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 (Rev. 1) SHEET 14 OF 16



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NOTE:-

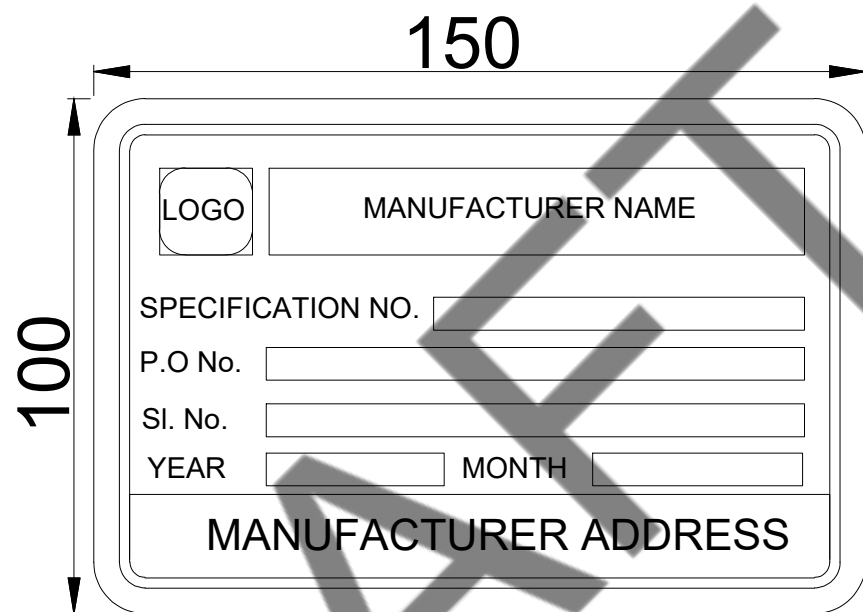
- 1. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.
- 2. THE DETAILS GIVEN IN ABOVE CHART IS INDICATIVE ONLY FOR DIMENSIONS. IT WILL BE AS PER LATEST WIRING DIAGRAM AND BOM

NOTE:
1. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.

DT.	16.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
CONNECTING BLOCKS - RIGHT (X - 1.2), LEFT (X - 1.2), & X3 SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 11
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 (Rev. 0) SHEET 15 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SHEET 15 OF 16



NOTE:-

1. ALL DIMENSIONS ARE IN MM.

NOTE:
1. FOR UNTOLERANCED DIMENSIONS REFER MDG0008.

DT.	16.09.2020
D	AD
C	AKS

REV.	01	EL.7.1.108.SBC	DUE TO CHANGE IN PIPE SIZE 30MM TO 25 MM	DSE/TLAC	16.09.2020
STATUS	REV./ ALT.	REF. NO.	DESCRIPTION	APPD. BY	DATE

REF :-		SCALE :- 1 : 1	APPROVED BY :-	(FOR D. G.)
CONNECTING BLOCKS - RIGHT (X - 1.2), LEFT (X - 1.2), & X3 SWITCH BOARD CABINET - S1 SPEC I84 (SWITCH BOARD CABINET - S1 FOR LHB AC - EOG TYPE COACHES)				SUPERSEDES LW70020 SHEET 11
RESEARCH DESIGN STANDERDS ORGANISATION LUCKNOW				SUPERSEDES RDSO/PE/SK/AC/0205-2019 (Rev. 0) SHEET 16 OF 16
DRG NO. RDSO/PE/SK/AC/0205-2019 (Rev. 1)				SHEET 16 OF 16 SUPERSEDED BY RDSO/PE/SK/AC/0205-2019 (Rev. 1) SHEET 16 OF 16