

AS BUILT



PROJECT NAME APR E-HOUSE PROJECT(PILOT)
 CLIENT'S NAME APR Senegal Project
 JOB NO. 70043
 DESCRIPTION PDP PANEL DRAWING

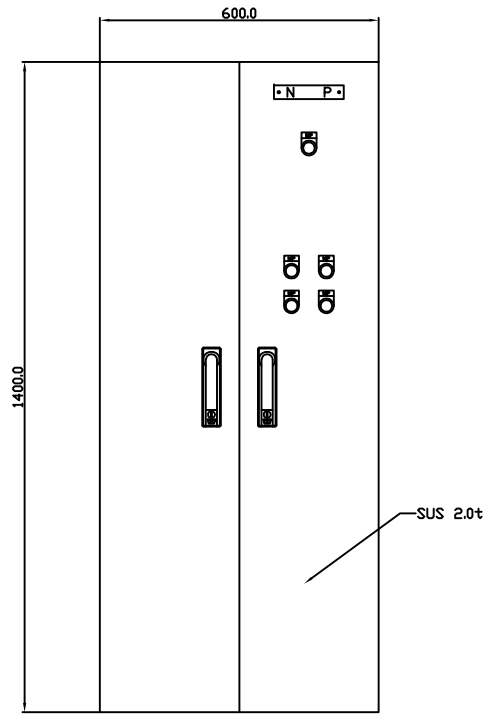
3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE	ABB Ltd.	APR Senegal Project	TITLE COVER PAGE FOR PDP PANEL	VENDOR PRINT NO. VD-70043-LS-DW-011	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE			ABB DRAWING NO. 70043-PDP-A02	+	
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE			SHEET	1 OF 10	
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV				

SH	FILENAME	TITLE1	TITLE2	REV.NO
1	63322-PDP-A02	COVER PAGE	FDR PDP PANEL	2
2	63322-PDP-B02	DRAWING LIST	FDR PDP PANEL	2
3	63322-PDP-C01	TECHNICAL SPECIFICATION		2
4	63322-PDP-F01	LAYOUT	FDR PDP PANEL	2
5	63322-PDP-G01	SINGLE LINE DIAGRAM	FDR PDP PANEL	2
6	63322-PDP-G02	SINGLE LINE DIAGRAM	FDR PDP PANEL	2
7	63322-PDP-G03	SINGLE LINE DIAGRAM	FDR PDP PANEL	2
8	63322-PDP-H01	SCHEMATIC DIAGRAM FDR	CONTACT FEEDER	2
9	63322-PDP-H02	SCHEMATIC DIAGRAM FDR	CONTACT FEEDER	2
10	63322-PDP-H03	SCHEMATIC DIAGRAM FDR	SUB INC	2

3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE	 ABB Ltd.	 APR SENEGAL PROJECT	TITLE DRAWING LIST FOR PDP PANEL	VENDOR PRINT NO.	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE				VD-70043-LS-DW-011	+
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE				ABB DRAWING NO.	SHEET
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV			70043-PDP-B02	2 OF 10

1	2	3	4	5	6	7	8	RU	
<p>SWITCHGEAR</p> <p>Type PDP PANEL <input checked="" type="checkbox"/></p> <p>Specification IEC 60439-1 <input checked="" type="checkbox"/> or <input type="text"/></p> <p><u>SERVICE CONDITION</u></p> <p>Paint finish and Thickness <input type="checkbox"/> <input type="text"/></p> <p>Exterior degree of protection IP4X <input checked="" type="checkbox"/> IP <input type="text"/></p> <p>Ambient temperature min. temp. <input type="text" value="-5"/> C</p> <p>max. temp. <input type="text" value="40"/> C</p> <p>Relative humidity higher than 60% <input type="text" value="80"/> %</p> <p>Site Altitude below 1000m <input checked="" type="checkbox"/></p> <p><u>BUS BAR</u></p> <p>Material Cu <input checked="" type="checkbox"/> <input type="text"/></p> <p><u>BUS BAR COATING</u></p> <p>Coating material Ag <input checked="" type="checkbox"/> <input type="text"/></p> <p>Aux.voltage supply</p> <p>Control circuit AC 220V <input checked="" type="checkbox"/> <input type="text"/></p> <p><u>INSPECTION</u></p> <p>Test specifications KS <input type="checkbox"/> IEC <input checked="" type="checkbox"/> or <input type="text"/></p> <p>Test contents Random test <input type="checkbox"/> every panel <input checked="" type="checkbox"/> or <input type="text"/></p>				<p><u>BUS BAR PHASE IDENTIFICATION</u></p> <p>Letter R,S,T <input type="checkbox"/> L1,L2,L3 <input checked="" type="checkbox"/> <input type="text"/></p> <p>Marking Color</p> <p>L1 Yellow <input checked="" type="checkbox"/> <input type="text"/></p> <p>L2 Blue <input checked="" type="checkbox"/> <input type="text"/></p> <p>L3 Red <input checked="" type="checkbox"/> <input type="text"/></p> <p>N Black <input checked="" type="checkbox"/> <input type="text"/></p> <p>G Green/Yellow <input checked="" type="checkbox"/> <input type="text"/></p> <p>Phase arrangement Left to Right, Top to Bottom, Front to Back</p> <p><u>WIRING</u></p> <p>Cable type FR-KIV <input checked="" type="checkbox"/></p> <p>Control circuit(AC) 1.5 mm² <input checked="" type="checkbox"/> <input type="text" value="Black"/></p> <p>Grounding 4.0 mm² <input checked="" type="checkbox"/> <input type="text" value="Ye+Grn"/></p> <p>Cover plate for cable entry Steel <input type="checkbox"/> Stainless steel <input checked="" type="checkbox"/></p> <p>Wire marking use <input checked="" type="checkbox"/> not use <input type="checkbox"/></p> <p><u>EXTERNAL CONNECTIONS</u></p> <p>INCOMING PNL <input checked="" type="checkbox"/> From BOTTOM (cable)</p>					A
B									B
C									C
D									D
E									E
F									F

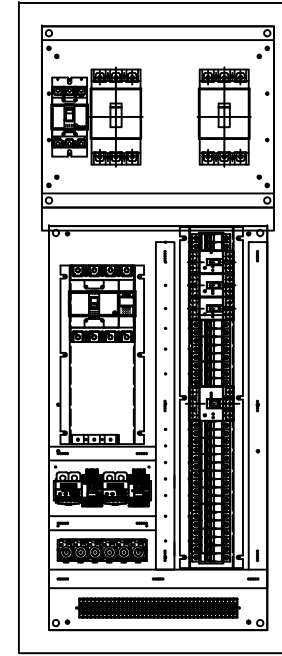
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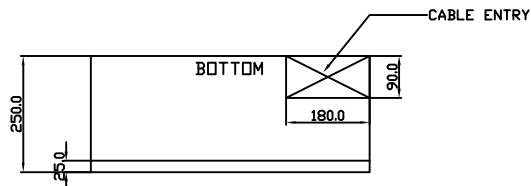
FRONT VIEW



SIDE VIEW



INNER VIEW

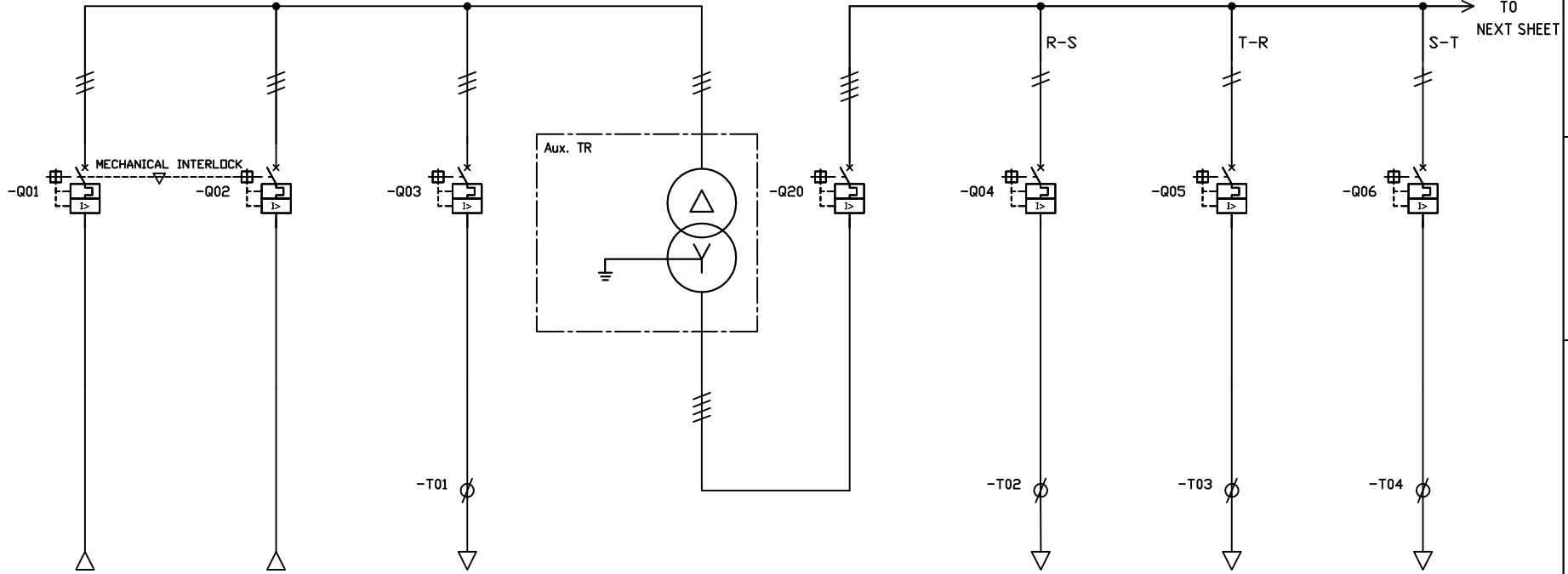


BOTTOM VIEW

3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE			APR SENEGAL PROJECT	TITLE LAYOUT FOR PDP PANEL	VENDOR PRINT NO. VD-70043-LS-DW-011	ABB DRAWING NO. 70043-PDP-F01	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE							+
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE							SHEET
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV						4 OF 10

ABB STD TEMP: 05.01.03

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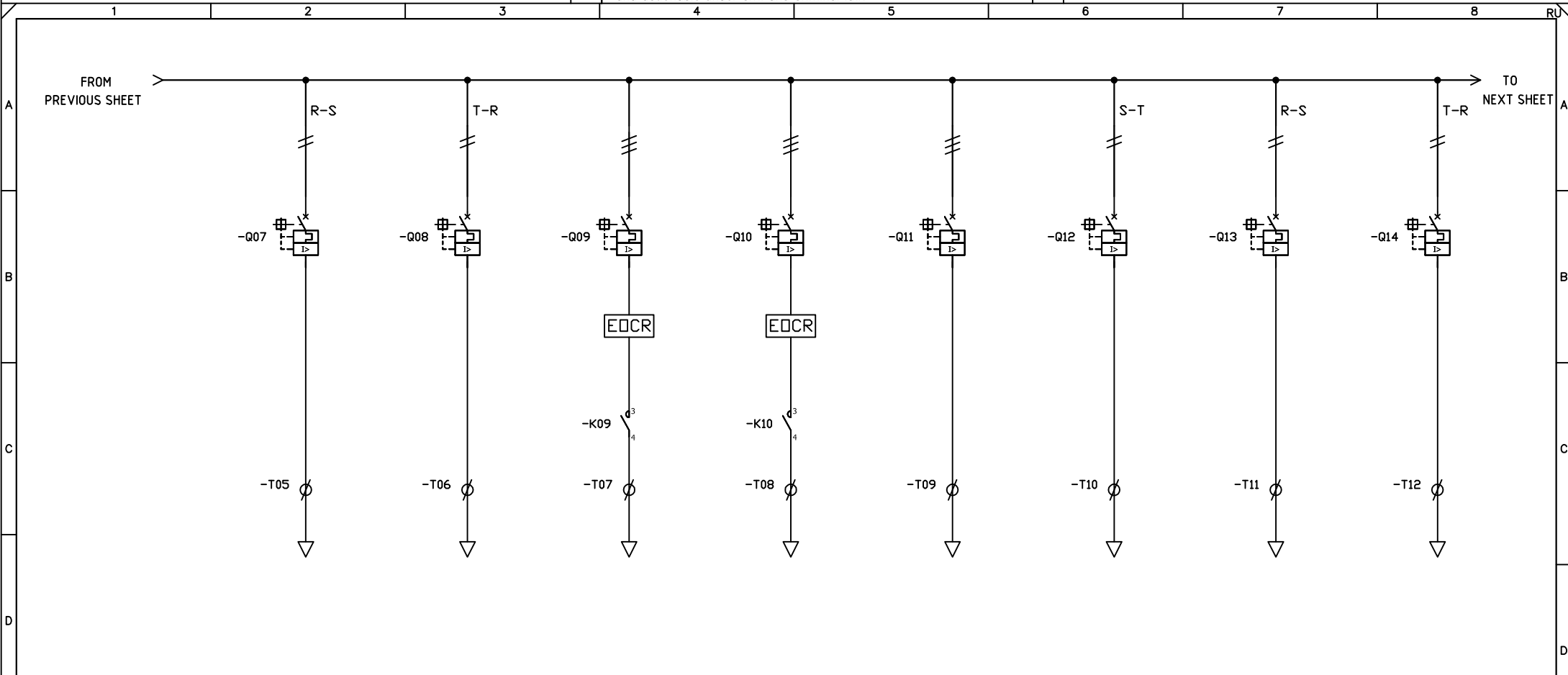


TAG NO.	-Q01	-Q02	-Q03	-	-Q20	-Q04	-Q05	-Q06
DESCRIPTION	SOURCE-L	SOURCE-R	RECEPTACLE 1 (IEC Red 32A 4pin)	-	INCOMER	DC CHARGER & BATTERY	AIRCONDITION UNIT	LIGHTING (INSIDE)
POWER (kW/kVA)	-	-	-	-	-	-	-	-
POLE	3P	3P	3P	-	4P	2P	2P	2P
CURRENT (A)	-	-	-	-	-	-	-	-
TYPE OF SCHEMATIC	INC	INC	FEEDER	-	SUB INC	FEEDER	FEEDER	FEEDER
MCCB or MCB	T4L250 160A	T4L250 160A	EBS 33c/ 30AT	-	ABS 204c/200AT	BKM-b2 30AT	EBS 32Fb/ 20AT	EBS 32Fb/ 3AT
MAGNETIC CONTACTOR	-	-	-	-	-	-	-	-
EOCR	-	-	-	-	-	-	-	-
INNER CABLE	-	-	-	-	-	-	-	-
TERMINAL BLOCK	-	-	ZS 10	-	-	ZS 10	ZS 10	ZS 10
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-

3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE	ABB Ltd.	APR SENEGAL PROJECT	TITLE SINGLE LINE DIAGRAM FOR PDP PANEL	VENDOR PRINT NO. VD-70043-LS-DW-011 ABB DRAWING NO. 70043-PDP-G01	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE					+
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE					SHEET
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV				5 OF 10

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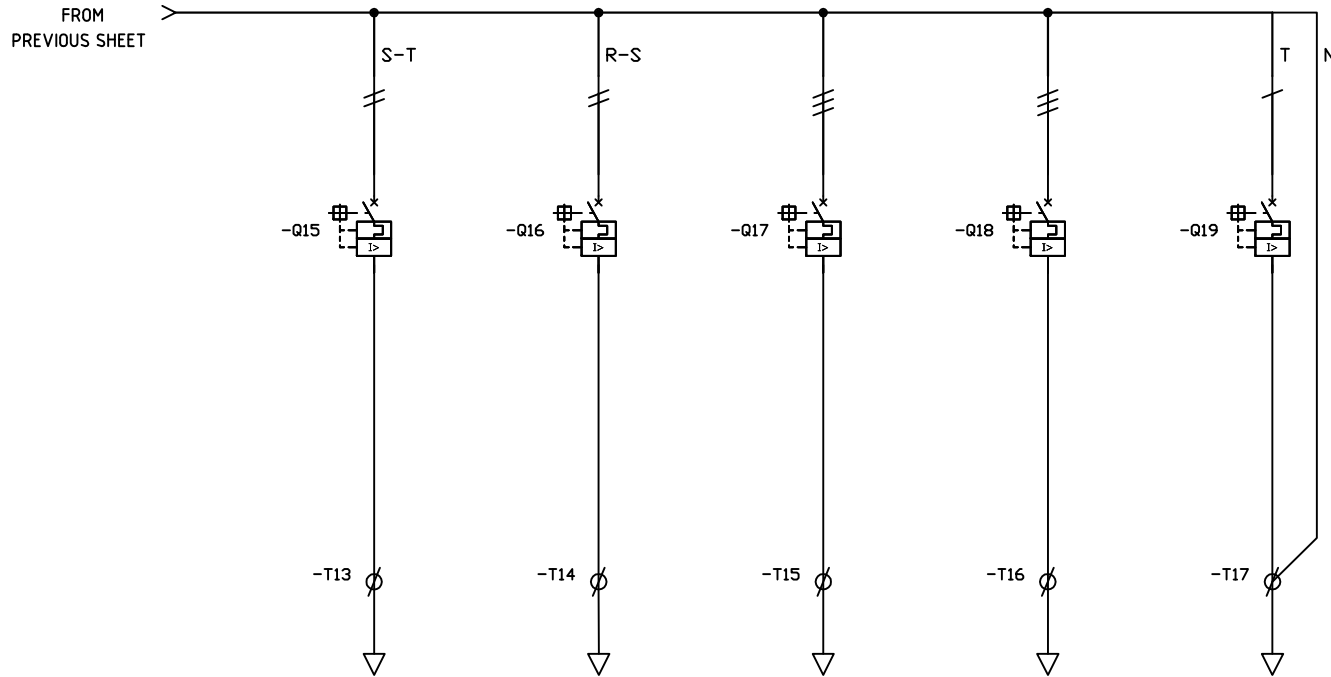


TAG NO.	-Q07	-Q08	-Q09	-Q10	-Q11	-Q12	-Q13	-Q14
DESCRIPTION	LIGHTING (OUTSIDE)	Aux. TR Temp' Control	EXHAUST FAN-LEFT (LU-1,2,3 LD-1,2,3)	EXHAUST FAN-RIGHT (RU-1,2,3 RD-1,2,3)	SPARE	LV CTL. POWER ACB(LU)	LV CTL. POWER ACB(LD)	LV CTL. POWER ACB(RU)
POWER (kW/kVA)	-	-	-	-	-	-	-	-
POLE	2P	2P	3P	3P	3P	2P	2P	2P
CURRENT (A)	-	-	-	-	-	-	-	-
TYPE OF SCHEMATIC	FEEDER	FEEDER	CONTACT FEEDER	CONTACT FEEDER	FEEDER	FEEDER	FEEDER	FEEDER
MCCB or MCB	EBS 32Fb/ 5AT	BKM-b2 30AT	BKM-b3 10AT	BKM-b3 10AT	EBS 33Fb/ 30AT	BKM-b2 6AT	BKM-b2 6AT	BKM-b2 6AT
MAGNETIC CONTACTOR	-	-	GMC-12b	GMC-12b	-	-	-	-
EOCR	-	-	SSD-30	SSD-30	-	-	-	-
INNER CABLE	-	-	-	-	-	-	-	-
TERMINAL BLOCK	ZS 10	ZS 10	ZS 10	ZS 10	ZS 10	ZS 10	ZS 10	ZS 10
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-

3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLLEE	ABB Ltd.		APR SENEGAL PROJECT	TITLE SINGLE LINE DIAGRAM FOR PDP PANEL	VENDOR PRINT NO. VD-70043-LS-DW-011	ABB DRAWING NO. 70043-PDP-G02	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLLEE							+
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLLEE							SHEET 6 OF 10
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV						

ABB STD TEMP. 05.01.03

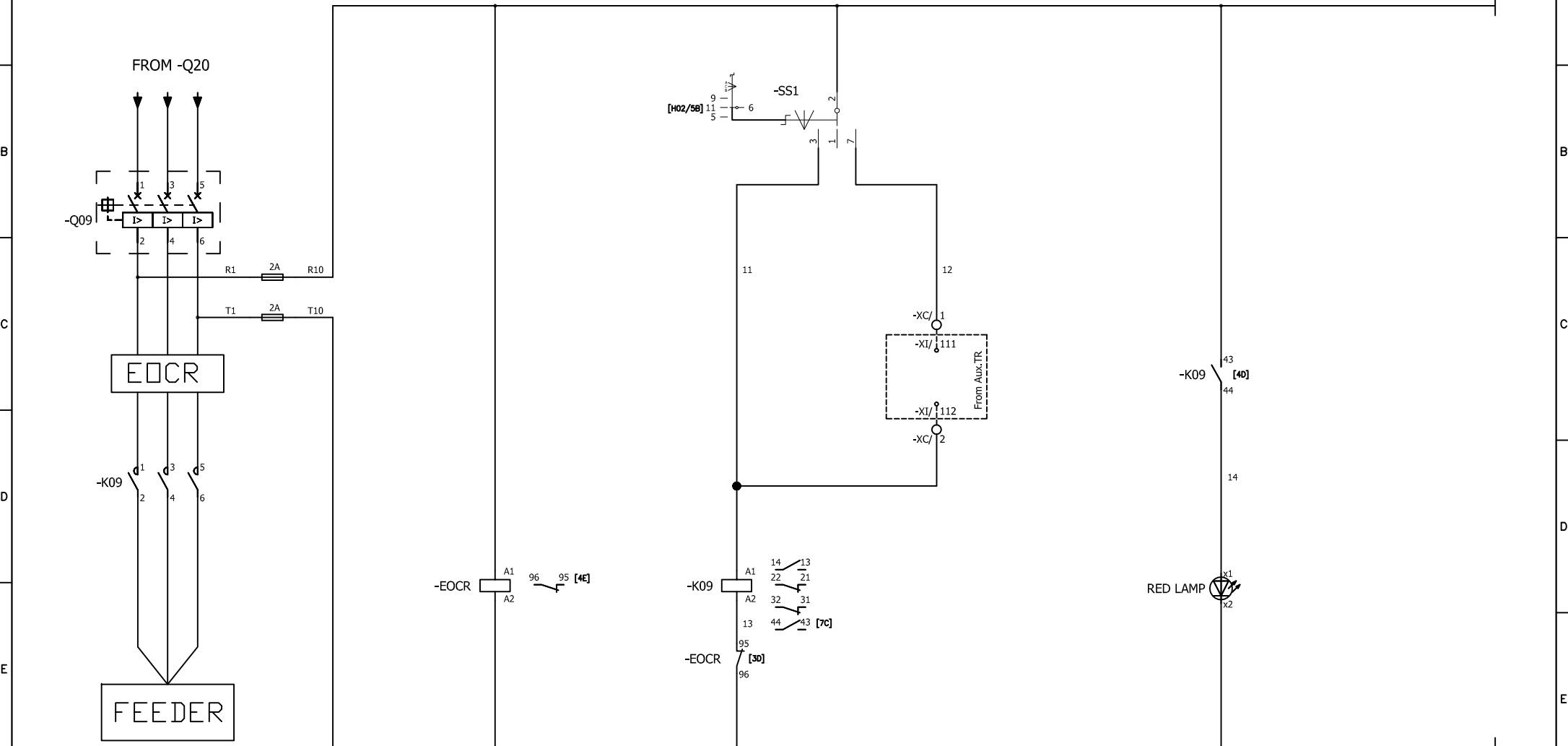
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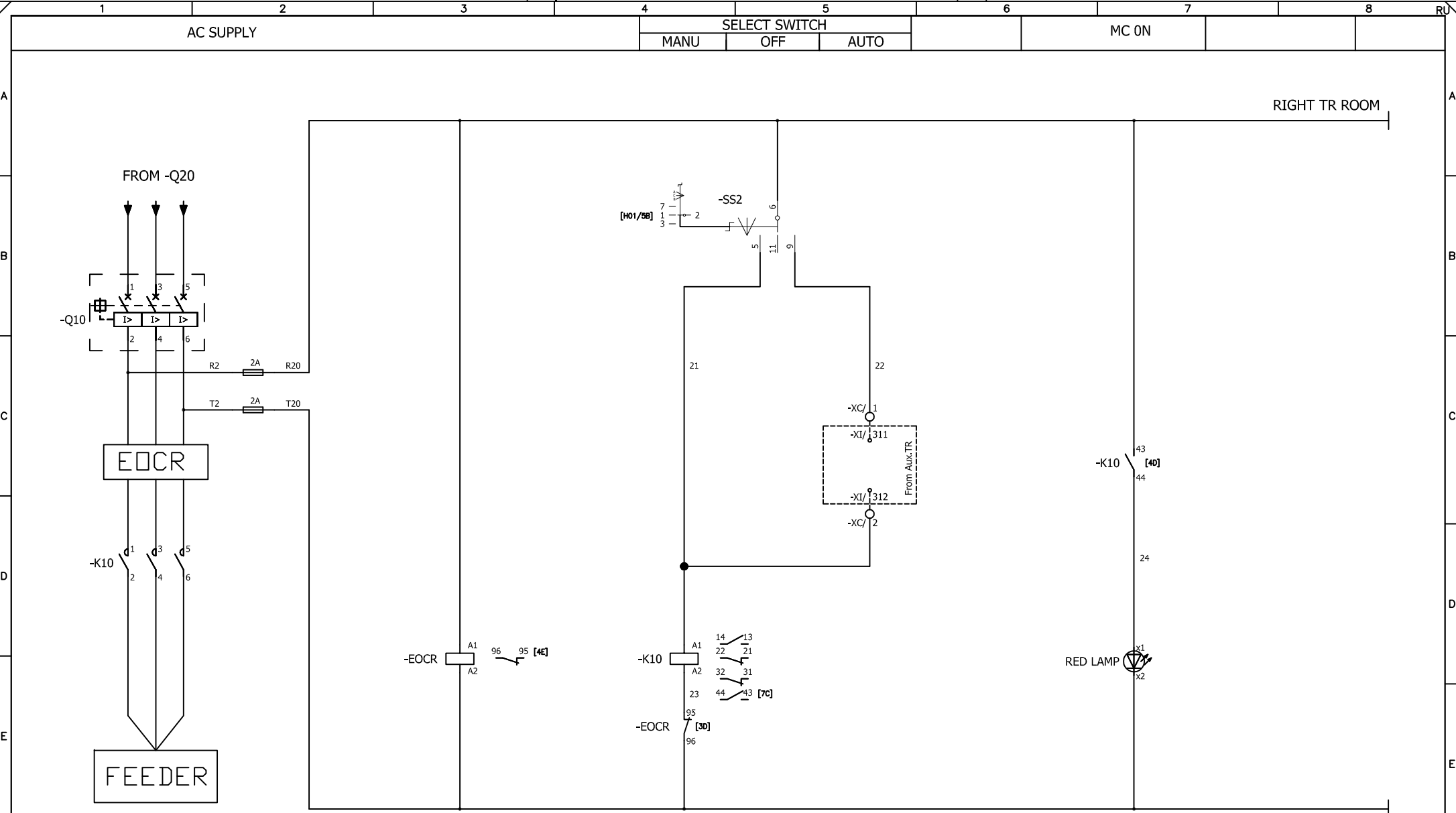
TAG NO.	-Q15	-Q16	-Q17	-Q18	-Q19	-	-	-
DESCRIPTION	LV CTR. POWER ACB(RD)	MV CTR. POWER	RECEPTACLE 2 (IEC Blue 32A 5pin)	SPARE	RECEPTACLE 3&4	-	-	-
POWER (kW/kVA)	-	-	-	-	-	-	-	-
POLE	2P	2P	3P	3P	1P	-	-	-
CURRENT (A)	-	-	-	-	-	-	-	-
TYPE OF SCHEMATIC	FEEDER	FEEDER	FEEDER	FEEDER	FEEDER	-	-	-
MCCB or MCB	BKM-b2 6AT	BKM-b2 10AT	BKM-b3 30AT	BKM-b3 10AT	BKM-b1 20AT	-	-	-
MAGNETIC CONTACTOR	-	-	-	-	-	-	-	-
EOCR	-	-	-	-	-	-	-	-
INNER CABLE	-	-	-	-	-	-	-	-
TERMINAL BLOCK	ZS 10	ZS 10	ZS 10	ZS 10	ZS 10	-	-	-
	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-

3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE	ABB Ltd.	APR SENEGAL PROJECT	TITLE SINGLE LINE DIAGRAM FOR PDP PANEL	VENDOR PRINT NO. VD-70043-LS-DW-011 ABB DRAWING NO. 70043-PDP-G03	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE					+
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE					SHEET 7 OF 10
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV				

ABB STD TEMP. 05.01.03



3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE	ABB Ltd.	APR Energy	APR EHOUSE PROJECT(PILOT)	TITLE SCHEMATIC DIAGRAM FOR CONTACT FEEDER	VENDOR PRINT NO. VD-70043-LS-DW-011 ABB DRAWING NO. 70043-PDP-H01	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE						+
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE						SHEET
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV					8 OF 10



3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD



ABB Ltd.



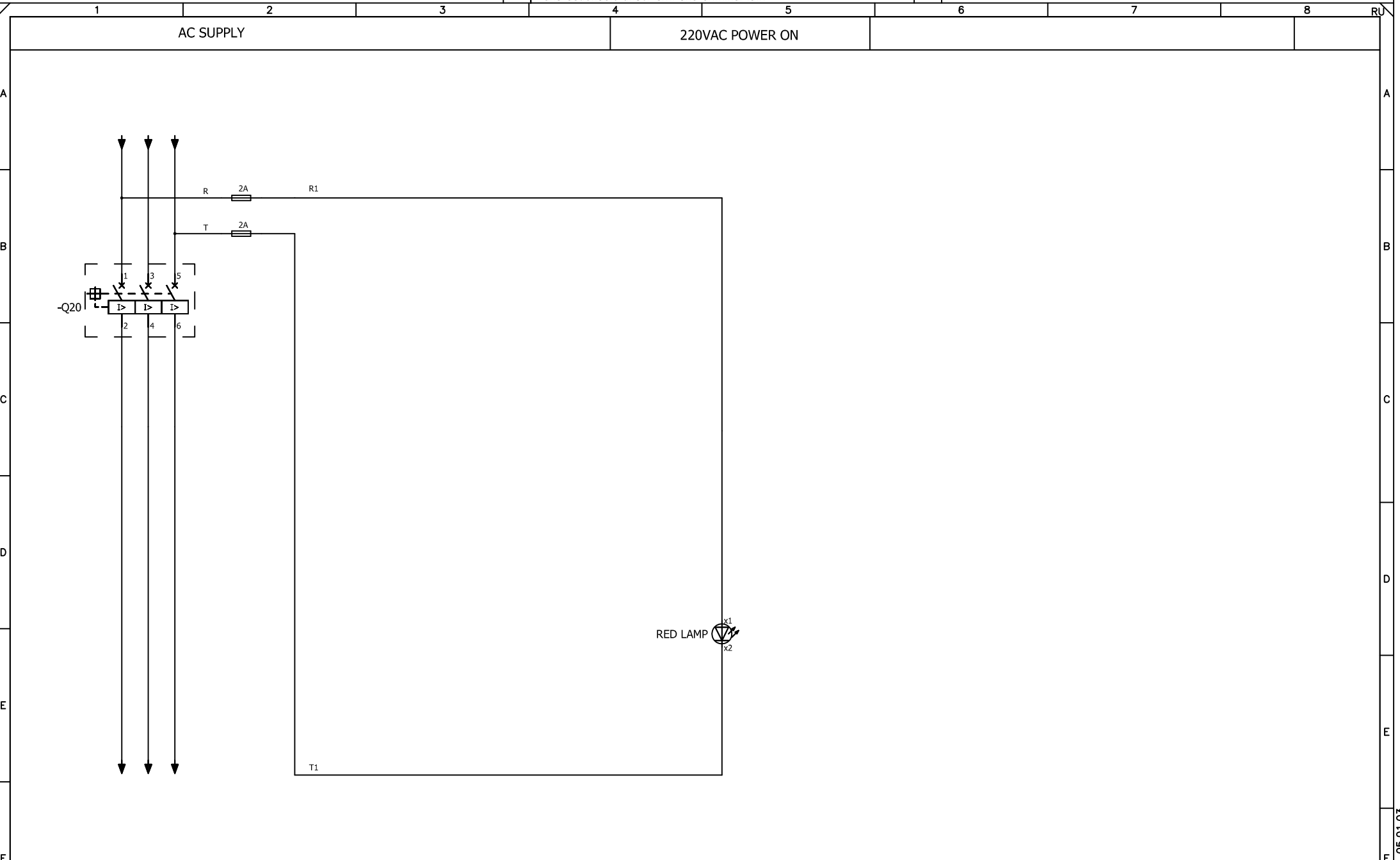
APR EHOUSE PROJECT(PILOT)

TITLE SCHEMATIC DIAGRAM FOR CONTACT FEEDER

VENDOR PRINT NO.
VD-70043-LS-DW-011
ABB DRAWING NO.
70043-PDP-H02

=
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SHEET
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3	2012-01-19	AS BUILT	KBKANG	JHYOON	YSLEE		ABB Ltd.		APR EHOUSE PROJECT(PILOT)	TITLE SCHEMATIC DIAGRAM FOR SUB INC	VENDOR PRINT NO.	=
2	2011-03-07	FOR FINAL	KBKANG	JHYOON	YSLEE						VD-70043-LS-DW-011	+
1	2010-11-17	REVISED AS COMMENTS	KBKANG	JHYOON	YSLEE						ABB DRAWING NO.	SHEET
REV.	DATE	DESCRIPTION	DRN	CHKD	APPD	PPMV					70043-PDP-H03	10 OF 10
			1	2		3		4	5	6	7	8

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