

ENGINEERING SHEET

番号	XIPR-LF55741	項	1 / 2
ES NO.		SHEET	
訂正回数 REV NO.	1	日付 DATE	2010-10-26
		REVD.	CHKD.
		APPD.	
		(J.K)	K.S K.Y
			2011-02-24
		(J.K)	K.S K.Y
			2011.05.11
		(J.K)	K.S K.Y

納先 CUSTOMER	IRAN GAS ENGINEERING & DEVELOPMENT COMPANY PARSIAN GAS TREATING PROJECT
品名 EQUIPMENT	H25 GAS TURBINE GENERATOR
題名 SUBJECT	PMS/TCP HARDWIRE INTERFACE DIAGRAM

Hitachi sends the following drawing for reference.

Title :PMS/TCP Hardwire Interface Diagram

DWG NO.:Client No.: PGU-GT-99-IN-20-DIG-008

FARAB No.: T21-GT-99-IN-20-DIG-008 (HTC DWG NO.331LF55741)



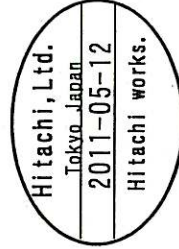
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☐ 承認用 FOR APPROVAL	CUSTOMER	5	TR-SUI/HITACHI	0	作成日 DATE	2010-7-28
☒ 参考用 FOR REFERENCE	MARUBENI CO.	1	GT-SETSU/HITACHI	1	担当 PREPD.	(J.Kurosawa)
☐ 検討用 FOR REVIEW	KA-P-SUI/HITACHI	0			審査	(K.Satou)
☐ 確認用 FOR CONFIRMATION	TQA/HITACHI	0			CHKD.	S.Tajima
☐ 打合用 FOR MEETING	T-SHI/HITACHI	0	HATSUDENSETSU/HITACHI	1	承認 APPD.	Kimura.Y

Hitachi, Ltd.

REVISION SHEET		REF. NO.	XIPR-LF55741	Rev.	C
CUSTOMER		IRAN GAS ENGINEERING & DEVELOPMENT COMPANY PARSIAN GAS TREATING PROJECT		Sheet	2/2
CUSTOMER Dwg. No.		Client No. : PGU-GT-99-IN-20-DIG-008 FARAB No.: T21-GT-99-IN-20-DIG-008		Rev.	C
HITACHI Dwg. No.		331LF55741		Rev.	C
TITLE		PMS/TCP Hardwire Interface Diagram			
No.	Customer's Comment	Replies or Contents developed/modified by HITACHI		Remarks	
1	Refer to Purchaser's letter NO. T21 3100/1/2781, dated April 13, 2011.	Refer to our letter NO. PS-MTH-495, dated April 30, 2011.			

PMS/TCP HARDWARE INTERFACE DIAGRAM



FOR REFERENCE

OWNER: Parsian Gas Treating Company Client: IGEDC / Parsian Gas Treating Project		NIGC	
PROJECT: POWER GENERATION UNITS AND 20KV SUBSTATION		DESIGN STAGE:	
CONSULTANT:		TITLE:	
E.P.C. CONTRACTOR: ENERGY & WATER PROJECTS FARAB		PMS/TCP HARDWARE INTERFACE DIAGRAM	
SUB CONTRACTOR: Hitachi, Ltd. Tokyo Japan		SUB CONTRACTOR NO.: 331LF55741	
DATE: July 30, 2010	SCALE: N.S.	UNIT: COMMON SHEET: Total 7	CONT. NO.: 790540
CLIENT No: PGU-GT-99-IN-20-DIG-008		FARAB No: T21-GT-99-IN-20-DIG-008	
REGD.	SIGNATURE OWN. (J. Kurokawa) CHKD. S. Tajima (K. Saito) APPD. S. Tajima	DATE 2010-07-27 2010-07-28 2010-07-28	TITLE PMS/TCP HARDWARE INTERFACE DIAGRAM
Hitachi, Ltd. Tokyo Japan		OMIKA DWG. No.	331LF55741
PAGE		1/7	REV. C

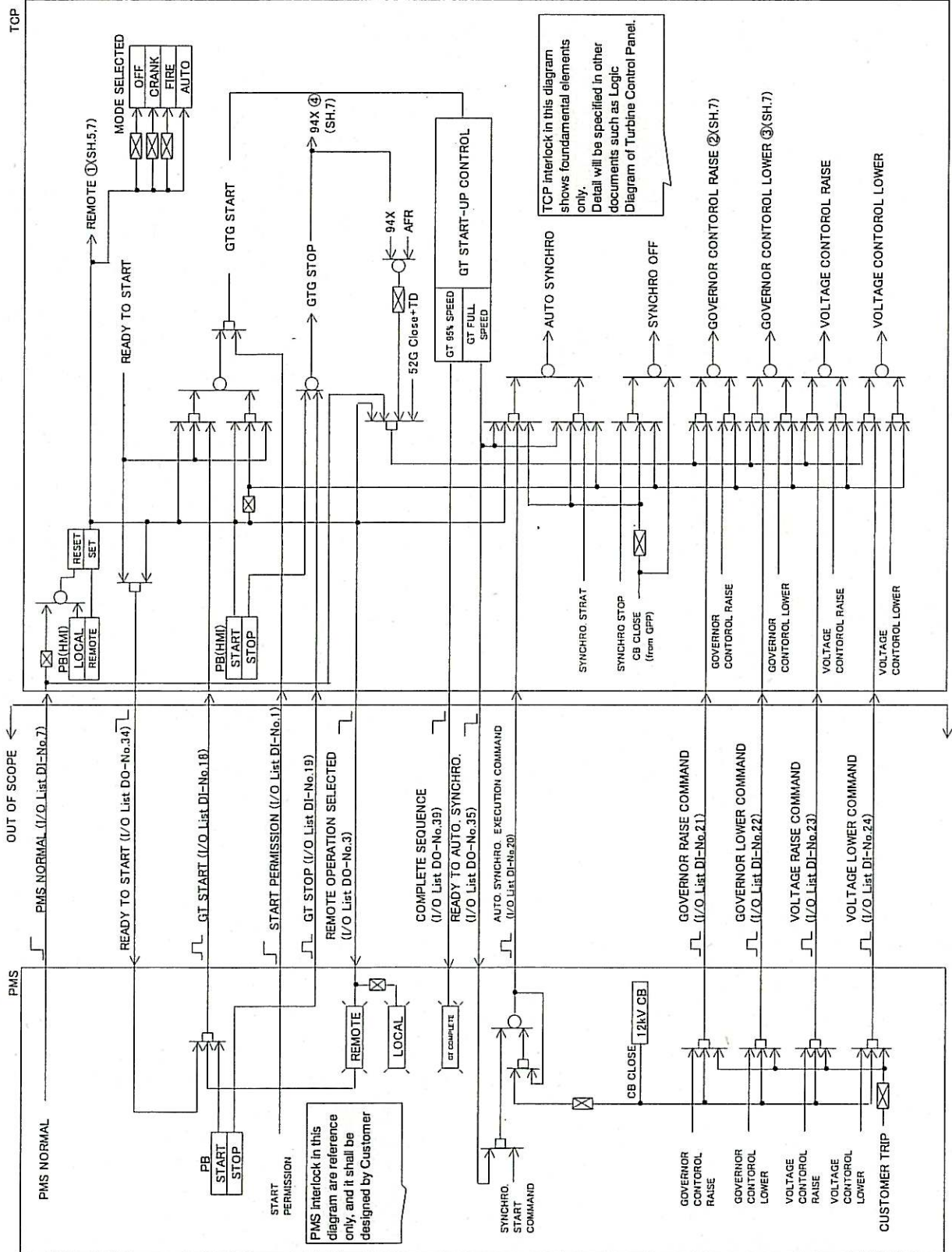
INDEX

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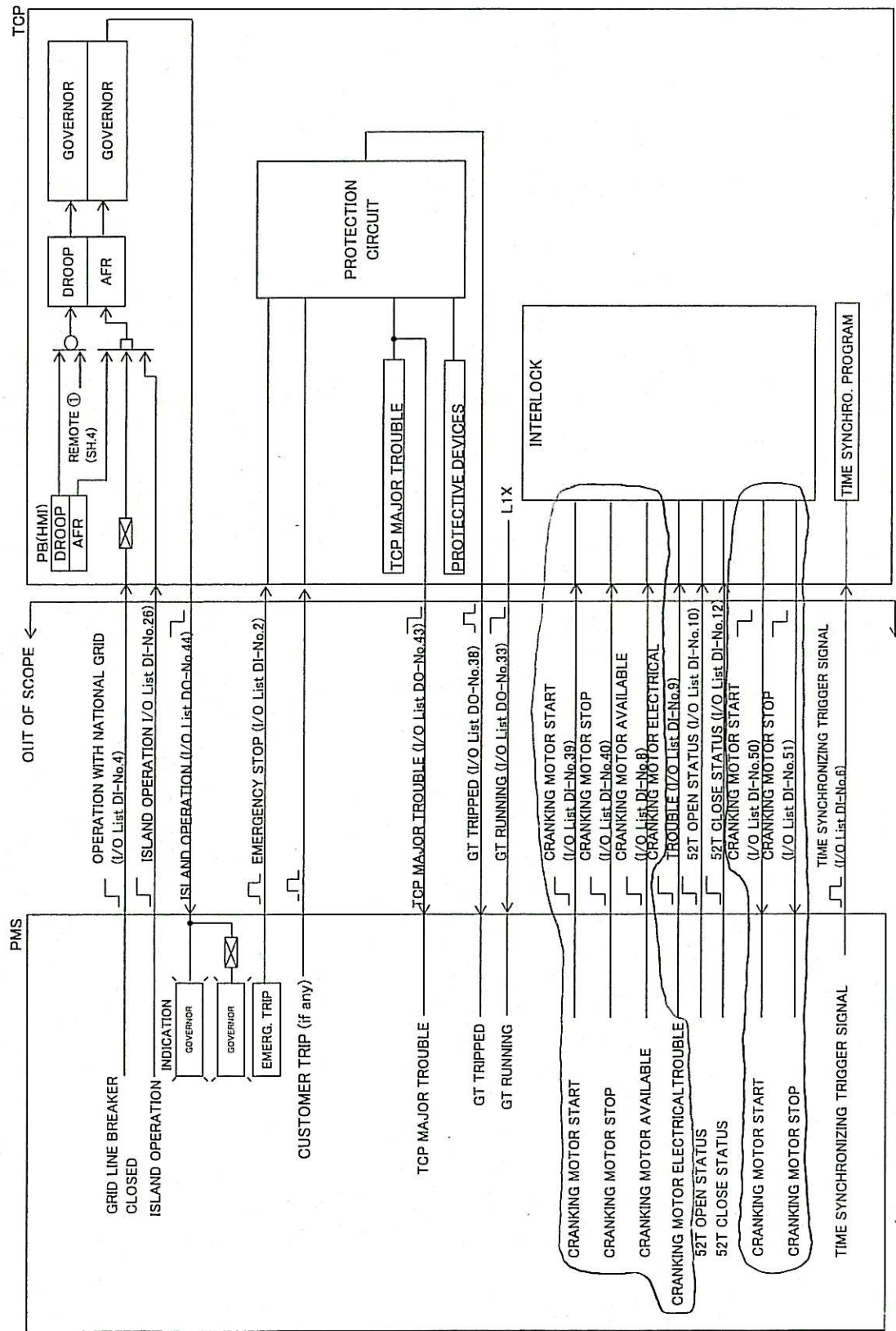
REGD.	SIGNATURE	TITLE	OMIKA DWG. No.	PAGE	REV.	PMS/TCP HARDWARE INTERFACE DIAGRAM DOC NO. 331LF53925 CLIENT No. PGU-GT-9B-IN-20-DIG-008 FARAB No. T21-GT-9B-IN-20-DIG-008	PMS/TCP HARDWARE INTERFACE DIAGRAM DOC NO. 331LF53925 CLIENT No. PGU-GT-9B-IN-20-DIG-008 FARAB No. T21-GT-9B-IN-20-DIG-008	SHEET: 2 CONT.NO.796540	
	DWN. (J Kurusuwa)	2010-07-27	Hitachi, Ltd. Tokyo Japan	331LF55741	2				C
	CHKD. S.Tajima (K.Sato)	2010-07-28							
	APPD. S.Tajima	2010-07-28							

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REGD.	SIGNATURE		DATE	TITLE	HITACHI Ltd. Tokyo Japan		OMIKA DWG. No.	PAGE	REV.	HYDRO POWER PLANTS MAIN CONTRACTOR  FARAB	PMS/TCP HARDWARE INTERFACE DIAGRAM		SHEET: 3 CONT. NO. 76540		
	DWN.	(J. Kurosawa)	2010-07-27	PMS/TCP HARDWARE INTERFACE DIAGRAM				3	C		DOC NO.	331LF53925		PARSIAN GAS TREATING PLANT	
	CHKD.	S. Tajima (K. Saitou)	2010-07-28								CLIENT No.	PGU-GT-99-IN-20-DIG-008		FARAB No. T21-GT-99-IN-20-DIG-008	REV: C
	APPD.	S. Tajima	2010-07-28								SEM - 8 1 - 0 0 0 5 E J T 99-10 S O M			A3	



REGD.	SIGNATURE	DATE	TITLE	OMIKA DWG. No.	PAGE	REV.	PMS/TCP HARDWARE INTERFACE DIAGRAM			SHEET: 4
							331LF55741	331LF55741	331LF55741	
DWN.	J. Kurosawa	2010-07-27	PMS/TCP HARDWARE INTERFACE DIAGRAM	Hitachi, Ltd.	4	B	FARAB	PARSIAN GAS TREATING PLANT	REV: B	A3
CHKD.	S. Tajima (K. Satou)	2010-07-28		Tokyo Japan				CLIENT No: PGTU-GT-99-IN-20-DIG-008	FARAB No: T21-GT-99-IN-20-DIG-008	
APPD.	S. Tajima	2010-07-28								

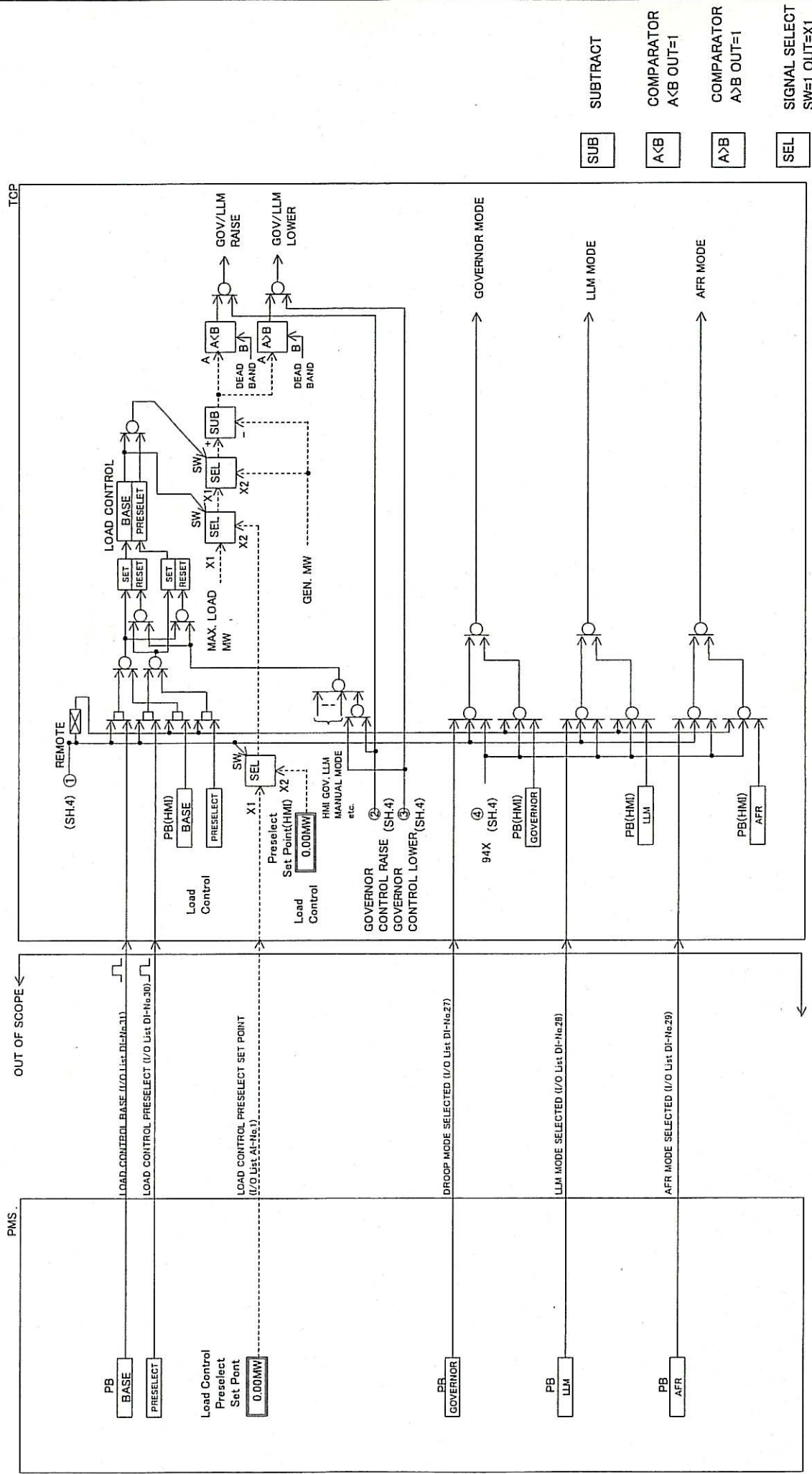


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DWN.	(J. Kurogawa)	2010-07-27	PMS/TCP HARDWARE INTERFACE DIAGRAM	331LF55741	5	C	DOC NO. 331LF53925	CONT. NO. 70640
CHKD.	S. Tajima (K. Satou)	2010-07-28		Hitachi Ltd. Tokyo Japan			CLIENT No: FGU-GT-99-IN-20-DIG-008	REV: C A3
APPD.	S. Tajima	2010-07-28					FARAB	

PMS	OUT OF SCOPE<	TOP	
	GENERATOR MW (I/O List AO-No.4)		GPP
	GENERATOR MVAR (I/O List AO-No.5)		
	GENERATOR FREQUENCY (I/O List AO-No.3)		
	GENERATOR LINE VOLTAGE (I/O List AO-No.1)		
	GENERATOR CURRENT (I/O List AO-No.2)		
	SYNCHRONIZING FAILURE (I/O List DO-No.9)		
	APFR MODE SELECTION COMMAND		
	APFR MODE SELECTION		AVR
	AVR AUTOMATIC MODE SELECTED (I/O List DO-No.5)		
	AVR MANUAL MODE SELECTED (I/O List DO-No.6)		
	AVR MAJOR TROUBLE (I/O List DO-No.7)		
	AVR MINOR TROUBLE (I/O List DO-No.8)		
	FCB CLOSE (I/O List DO-No.22)		
	FCB OPEN (I/O List DO-No.23)		
	BATTERY CHARGER UNDER-VOLTAGE (I/O List DO-No.25)		CHARGER
	BATTERY CHARGER FAULT COMMON ALARM (I/O List DO-No.26)		
	AC POWER FAILURE(27MC) (I/O List DO-No.24)		MCC
	CO2 DISCHARGED (I/O List DO-No.28)		
	FIRE FIGHTING SYSTEM MAINTENANCE (I/O List DO-No.29)		F&G
	CO2 SHUTOFF VALVE CLOSED (I/O List DO-No.30)		
	GAS DETECTED ALARM (I/O List DO-No.31)		
	F&G SYSTEM TROUBLE (I/O List DO-No.32)		

REGD.	SIGNATURE	DATE	TITLE	OMIKA DWG. No.	PAGE	REV.	HYDRO POWER PLANTS MAIN CONTRACTOR	PMS/TCP HARDWARE INTERFACE DIAGRAM	SHEET: 6 CONT. NO. 7005-40
	DWDR. (J. Kurosawa)	2010-07-27	PMS/TCP HARDWARE INTERFACE DIAGRAM						
CHKD.	S. Tajima (K. Satou)	2010-07-28		331LF53925	6	B		PARSIAN GAS TREATING PLANT	REV: B A3
APPD.	S. Tajima	2010-07-28						CLIENT No: PGI-GT-99-IN-20-DIG-008 FARAB No: T21-GT-99-IN-20-DIG-008	

SEN-B1-0005ET 99-10 S O N



REGD.	SIGNATURE	DATE	TITLE	Hitachi Ltd. Tokyo Japan	OMIKA DWG. No. 331LF55741	PAGE 7/E	REV.	HYDRO POWER PLANTS MAIN CONTRACTOR FARAB	PMS/TCP HARDWARE INTERFACE DIAGRAM		SHEET: 7 CONT. NO. 7905-40
	DWN. CHKD. APPD.	(J. Kurosawa) S. Tajima (K. Saitou) S. Tajima	2010-07-27 2010-07-28 2010-07-28						DOC NO. 331LF53925 CLIENT No: PGU-GT-99-IN-20-DIG-008	PARSIAN GAS TREATING PLANT FARAB No: T21-GT-99-IN-20-DIG-008	