

是视为高阳传音

音信源。

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国際協力事	業団
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C. 回線集束表

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AND	TOTAL	TR	ANSMISSI	on sus	TEM &	LOSS	į.	FICE	CABLE	PCM	CABLE	
OFFICE	IOM	1						FICE	76 80 90	76 80 90		76
	40	·65L 403	- W				_	[SW]			△73 △75 △ 60	
	4.0	-65L 40	1		•			sw	}		[∆] 120 [∆] 99 [∆] 135	
	83	65NL8.3	1	1			7	sw			² 19 ² 132 ² 168 Δ ₂₄ Δ ₄₁ Δ 58	
	5 4	65L 38	9L 16 ^T	К		<u> </u>]	TK		-	Δ24 ^Δ 41 ^Δ 58	
	5.2	1	5L 31	C			77	тс			∆35 [∆] 32 [∆] 33	[
	9 1						7	тс			- ×11 × 10	
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			01 - D	K 65L 28	кт	+	1	1		_ \(^14-24\)	1	
	61	# 20	PCM —	991 28	1	 	-	BKT				İ
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ι.	60		SBL LIP				4	[SW]	1	1	[∆] 2 6 [∆] 30 [∆] 38	
			65L 2.0			_	- τ7	SW			X117 X102 X 198	l
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		_9NL	·_65NL	_65NL	 		-	J SW			12 17 37	
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1	8.9	9NL 2.3	65NL4.6	* 20		<u> </u>	4	TH		^40 ^34 [°] 69		
	10 3	9L 11	· 651 2 2	2.0	H5NL 5.0	B C	-	BC		— — ×24		
	.86	9L_L.l_	: 65L 2 2	* 20	9NL_33	D K		DK		× 28		
	88	<u>•9L_ 1.1</u>	· 65L 2.2	* 2.0	91	8 C 65L 2 4	`∐ T5	PSR		— — ×10		
	94	94 1.1	· 651. 2. 2	+ 20		D K 65L 28	4	BKT		— — ×14		
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ļ			P9L 1.6				Τ5	TH		² 20 ⁴ 44 ⁵⁶		
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						1						
	50	65L 2 9°	Y _{9L 21} 3	w				sw			A21 A32 A 38	
	100	65NL6,0	- 65L 4. 0]	SW			X39 X105 X183	
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ļ	10	·65L2.9	651 3.8 ³	YONL 47	ĸ]	ΤK			× H	
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NO (²/₃) TANDEM LOSS DESTINATION CABLE PCM AND OFFICE TRANSMISSION SUSTEM & LOSS CABLE PCM OFFICE 76 80 90 76 80 90 76 80 90 76 80 90 5.8 :65L 20 65L 38 9.1 5NL 51 65L 40 9.1 5NL 51 -65L 4.0 ∆39 ∆ 34 ∆36 SW × 30 × 90 × 35 × 7 × 14 × 21 SW T 7 SWSPS - × 11 × 30 10.9 -65WL 4.0 65L 38 TC 3! 2 3 5 -65NL sw -65NL____ t M ^A24 ^A51 ^A55 6.0 65NL 4.0 PCM 20 H 8.7 65L 20 65L 36 N 65L 31 11.0 65NL 40 PCM 20 5 5NL 50 TH ×₂₂ ×₃₆ ×₅₇ ΤH T 5 ВС __ _ x₂₂ __ _ x₃₂ 11.0 65NL 40 PM 20 9N 33 K DΚ CHW Δ66 Δ114 Δ141 Δ21 Δ26 Δ 46 Δ9 Δ16 Δ 23 Δ12 26 Δ 36 2.0 PCM 20^{\$} SW SW 2.0 PCM 2.0 Τĸ T 7 4.1 * 20 94__ 21 TC ×1 × 3 × 9 9 34 65, 36 5.3 sw 2 4 6 7.2 SW 9NL ____65NL__ TH 20 PCM 20 L S 2.0 2.0 TH 20 5L 31 8C 20 9NL 33 B C <u>51.</u> 5.3 DK * 20 PCM 20 PO 4.0 2.0 20 POM -NK 20 PCM — BC 65 24 PSR 20 9. 11 65 24 PSR 20 9. 1.3 65 28 PSR 20 5. 40 PSR 20 PCM — MSK 5.5 PSR BKT 6.1 СН 60 20 PCM - 100 MSK 2.0 PPJ 20 2.0 20 PCM 20 PCM - 25 2900 9. 7.5 -9. 32 9. 21 -- △₁₇ △31 (SW) _ × 2 × 9 SW PTN 2.0 PCM 20 PCM - TH - [△]14 [△]26 TH — [△]25 △35 SW __ × 3 × 9 SW 77 · 9NL 9NL____ · 9NL S W 4 РК - [^]20 [^]30 20 PCM 2013 PCM - TH TH T 5 4.5 91 2.5 FCM 2.0 W 9.5 651 4.2 91 3.2 9.9 21 65NL 9NL 9NL - [△]28 [△] 34 sw - × з × э s w sw --- 100 155 SDM 45 9 25 PCM 20 8,2 65Nt 62 + 20 TH T 5 TH 2.0 PCM 20 PCM - W 100 94 47 94 32 9 21 S.W. - △23 △33 T7 e * z * -SW BCH 20 PCM 20 PCM - TH TH - ⁴22 ⁴36 T5 SW - × 2 × 9 T7 SW 2 4 sw RID — ⁴21 ⁴39 4.7 -9L 27 PCM 20TH TH **T**5

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	 -	_65NL	 						⊣ דו	KKTEST											
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TANDEM	LOSS	<u> </u>	<u>_</u> _				DES	TINATION	<u></u>								Т	NO (43)
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TANDEM	1000	- .	J				* .		NO (3/ ₃)
AND		TRANSMISSION SUSTEM & LOSS		TINATION	-	ABLE	PCM	CABLE	PCM
OFFICE	TOTAL		Τ,	FFICE	76	80 9	0 76 80 90	76 80 90	76 80 90
	5.6	9L 2.4 65L 3 2 K		KK	442	Δ33 Δ3	8	1 - 1 - 1	10 00 00
]	41	9L 24 9L 17	_	KKTOLU	33	23 3	5	İ	
1	93	9L 26 65NL67	4	кктош	X20	^X 15 ^X 2	2		1
		9NL 65NL	4	KKTEST	10		2		
ВК	93	9L 26 65NL67	┨	KKOBS	x_a	3	3		
	9 3		 	KK	×13	×25 ×3	15		
		9NL -65NL	1''	кк	2	3	5		
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TANDEM	1055	I					DECT	INATION			TI (PTW)	T	NO (1/1)
AND	TOTAL	Тο.	ANSMISSI	ON SUST	тем в	LOSS	,	FICE	CA	BLE	PCM	CABLE	PCM
OFFICE			ITW.				Ur	FICE	76	80 9	76 80 90	76 80 90	76 80 90
PΥ	7.7	5L 4.5 -5NL 7.7			 		TI	PTW PTW		39 Å 51 19 [×] 149			
NN			5 65L 2.0				ΤI	PTW	x	28 [×] 56	5		
BS	11.0_	9L 1.1	5b 65L 22	5NL 7.7	TW		TI	PTW	× 13 ×	eá <u>v</u> le:			
L P2	8.5	9L 1.5	65L 27	Y 5L 43	TW		Τı	PTW	×	41 × 71			
L PI	10.5	65NL 6.0	^Y 5L 4.5	TW		-	ΤI	PTW	×	76 [×] 156	1		
l M	96	·5NL 51	⁷ 5L 45	TW			۲۱	PTW	_×	73 Å28	3		
NWW	82	. 9L _1,6 ^N	₩*9L 23	^Y 5L 43 ^P	TW		TI	PTW	×	23 ^X 49	•		
8 K	10.3_	91. 2.6	5NL 7,7	TW			TI	PTW	×11 ×	28 ^X 47	•		
 							6110	_4_db_ 6 db		70 -			
							208	11_db_		39 51 57 820			
								<u> </u>					
								AND TOTAL	_94_4	96 871			
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	LOSS	3					DEST	INATION			3			r 6	(14	
AND	TOTAL	_ TR	RANSMISS	ION SUS	TEM 8.	LOSS		FICE	CAB		P C M		ABLE		PCI	
	2. 0	PCM 20	PKN	1	 -	T	1	PKN	76 80	1 90	76 80 90	76	80 90		123	
	2.0	1 20	1	<u> </u>			1	PKN			!			Δ,	123 A ₃₅	۵,
		65L 2.6	651.50]	PKN					×14 ×24		35	-
	4		^ 38L 21		 		1	CP					[∆] 58 [∆] 62			
	0 0	65NL 61	65L 3 9) N	 	<u>-</u>	-	CP				128	^x 56 ^x 48			
			5L 36		- 	 	1	BN			ĺ			53	_es	Δ,
				9L 12	P 5	 	1 :	8 N P S				x28		Δ.	Δ ₃₄	Δ
	_8 I	19L 40	2.0	- 65L 21			1 1	PS				× ₁₀	x ₁₂ x ₁₁	30	34	2
PΥ	2.0	PCM 20	РСМ —	5 M P				SMP						A30	∆ 42	Δ,
	79	PCM 20	65L 22	65L 1 9	\$.9L 18	M P	Т 6	SMP						× o		
	2.0	PCM 2.0	PCM —	O MI	 	ļ	4 i	BYP						-	∆ 24	۷ ک
	8 0	9L 40	5L 40	 	 		1	ONI					- ×10	-	Δ ₄₈	4
		PCM 2.0	PCM -	N S			1	ON I ON 2				_	- 10	1_	<u>^</u> 41	Δ,
	2,0	. 20		ΚB				LKB						_	Δ ₂₃	Δ
]	l i							1		
	-	GE A	5D		 				A A	,	:			1		
	5.9	65NL 5 9	<u>'</u>	 	 -	 -	ا ـ ـ ا	ASD	⁴ 40 ⁴ 35					1		
	7	- 3.314E 373		 			тз	ASD	16 91	103				1		
			<u> </u>				╚	i			<u> </u>			L		
	5.7	9L 3.7	PCM 20				Т6	[PRN]						△25	434	44
N N	10.5	3L 24	65L 2.2	, e2NF2 &	30		тз	ASD		×30						
														1		
	44	9L 24	YPCM 2.0	 	 	 		(57.63)					 .	Δ.~	∆ _{5t}	Δ-
		9L 1 1	55L 20	9L 40	KN			PKN PKN				_	- ×17	1	-51	-7
	9.7	94 1.1	65L 20	- 65L 6 6	Р	-		CP				_ ×48	×20 ×60			
		9L 24	9L 38	KN 65L 22	N			ВИ				_	×26			
	8 5	91, 24	9L 3.8	91 1.2	.91 1 P	3		PS				_	×32			
_	10.0	9L 4,4	PCM 2.0	! · 9L 3.6	j		Т6	ONZ							_	×1
BS	-06	· #L 2.4	9L_3.8	· 65L 2.4°		-		0 0 1		1			×17			
			<u></u>								į					
[9 2	91, 11	651.22	65NL59	30			ASD	×12 ×50	fos						
i							Т3	ļ		1						
		- L	P1 - P	65%.59°	 \$0					<u> </u>						
LP2	10.3	<u> </u>	65 L29	65% 59		 	тз	ASD	— ×20	^4 4				1		
					<u> </u>			l			i					
T			PCM 20	KN				PKN						∆ ₃₉	∆ ₆₆	Δg
ŀ			91 4.4	30 -	9			PKN		- 1	ŀ		io "ie			
}	8.2	65L 2.9	91 14	*65L 3.9°	N .			CP			İ	×26 ,	60 ^X 84			
LPI			91. 3.8° 91. 3.8	65L 2,28	" 9∟ 1.1°	5		BN		ł			— [*] 34			
' }				9L 1,2	NZ I.I		Т6	PS ON2		- 1	ļ	– ,	22 [×] 40	1		×2
[·5L 420			- 1	ONI		- 1	ŀ				_	2' - X
ſ								~"'			i		i	_	_	3
ļ				30							l		j			
	9 0	65 <u>L</u> 31	-65NL5 9A		<u> </u>		T	ASD	– [×] 57	105	ŀ					
	-						Т3				ſ					
	6 0	65NL4 0	YPCM 2 OF	KK			\dashv	PKN		\dashv				Δ ₃₃	Δ	Δ
ľ	9 3	5 NL 5,1	9L 4.2				-	PKN		1		_ ;	14 ×22	33	56	6
Ĭ.	85	65L 20	· 65L 2 6	50 _{65L_39} c	F			C.P.					54 ×66			
Į.	10.2	6 5NL 4.0	9∟ 4.0	KN 65L 228	N			BN			}	-	— ×29			
F	10.3	6 5NL 4.0	91 4 0	· 9L_1.2 ^B	N9L 1.1	•	Т6	PS				_ ,	22 ×34			
IM H	10 2	5 SNL 4 0	9L 4.2	PCM 2.0 ³ 91. 3.6	N2		-	SMP		1		_	- 22			v
1	0 4	65NL 4 0	9L 40	91_36 -651.24°	NI			ONZ					х	_	-	11
ľ	 -							ONI				_	— ×18			
L				<u> </u>	l	1					1					
ļī	ഥ이	5NL 51	- 65NL5 9A	5 D				ASD	— [×] 5≀	×82						
- 1			•		ĺ		T3	- 1		ĺ			J			
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TANDEM	LOSS		 .				DECT	INATION			Ť:	3		_	(1/1) .
AND	TOTAL	T .	ANSMISS	ion sus	TEM &	LOSS	1	INATION FICE	<u></u> c	ABLE		PCM	CABLE		C M
OFFICE	20	PCM 20	PKN	1	T	T	 "	PKN	76	80	90	76 80 90	76 80 90	76	80 90 A ₃₆ A 57
		PCM 20	ł			1	1	PKN							Δ ₃₆ Δ ₅₅
	5.6	, 20		9 N	P 4	ļ]	8N						A23 '	[∆] 24 [∆] 35
	5.4 2.0	+ 20		9L 12		 	┥	PS SMP							^24 [△] 35
	20	+ 20			+	 	Т 6	BYP					İ		^ ₇
LS	20	4 20	* = 0	N-2			1	ON-2							[∆] 20 [∆] 42
-	4 B	* 20		KB	 	ļ	4	ON-1						- 1	^26 [△] 42
	20	+ - 2.0	PCM —		 	 	-{	LKB						- '	∆ ₁₃ ∆ ₁₃
Ì							<u>L</u> .								
	50 79		Y65L 3.0		ļ			ASD				17		1	
	1 5	<u> </u>	65NL 5.9	 	 -	 	Т3	ASD				10	İ		
		L		<u> </u>									<u> </u>		
PTN	20	PCM 2.0	• Рсм — Р		ļ	ļ	Т6	PKN						- 4	25 ₇ 81
		<u> </u>				Ì							j		
1	20	PCM 20L	РСМ — Р	KN			Т6	PKN						- 4	[∆] 26 [∆] 37
Pκ															
- n	8 1	9L 31	PCM 20	Y65L 3 0 A	30		ТЗ	ASD				×10			
ſ					<u> </u>	İ	1					,,	1		
	4.5	di se	PCM 20P	KN		ļ ———		Chicano.					ļ. <u> </u>	<u></u>	
ļ	7.5	<i>3L</i> 23	FCM 20	 	 	 	Т 6	<u>FKN</u>					1	- '	42 452
SDM				<u> </u>		<u> </u>									
-	9.3	65L 43	PCM 20	65L 30	30	<u> </u>	Т3	ASD				×12			
					ļ										
	20	PCM 20 L	SPCM - P	KN			Т6	PKN	-					_ 4	43 ^Δ 58
всн	79	POM 20 L	SPCM P	Y65NL59 A	SD		Т3		_	_ ×	12				
		1 3.1. 20	1	CONTAB			13	AS D			-				
-		a	SPCM 20 P	KN -			<u> </u>								
				5L 40°	N-1		тб	ON-I						_ ^	41 ⁴ 62
ľ				<u> </u>			1	J., .							- ×10
RID		a. a = b	3P	 Y A	SD					×					
<u> </u>		9L 27	PCM 2 0	Y65L 3.0		•	Т3	A SD	_		' '				
RS -	20	PCM 20L	⁵ РСМ — Р	XN	i		Т6	PKN						_ ^	27 △52
											ĺ				
			PCM 20				Т6	(PKN)			_			438 A	45 ^Δ 48
рм _≟	7 5	9L 25	/ 20 ^P	^Y 65L_30 ^A	SD		Т3	ASD	_ ×	io ×	25		j		
											ĺ				
	5 9	9L 6 ^M	₩gr 5.3 c	PCM 20P	KN		T6	PKN			_			۵ ₂₇ ۵	34 ^Δ 37
NWW 1	9.8	91 16	_9L_23	_65 NL 59 A	30		Т 3	A SD	×	12 ^X	29		ļ		
	_														
	4.4	9L 24	Рсм 20	KN			т6	PKN			\dashv			Δ ₅₀ Δ	33 ⁴ 9
вк	8.9	9L 24	65L 2.6	\$65L 3.9°				CP	x				×20 — —		
<u> </u>	83	9L 24	65NL59 ⁴	-			T 3	ASD	îu î	17 ^	25				
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TANDEM	LOSS	:I	-		-			DECT	· · · · · · · · · · · · · · · · · · ·	 	т	3	T		NO.(1/2)
AND	TOTAL	l	RANSMI	SSI	on sus	TEM &	LOSS	1	INATION	CABL		PCM	1	ABLE	F6, SP PCM
OFFICE			Pli		1	1	1 -	"	FICE	76 80					76 80 90
i		9NL 40			ļ	ļ .	<u> </u>	4	PL	Δ ₆₄ Δ ₅₄ Δ ₆₂ Δ ₅₆	441		1		
	_	9NL 5.8	-		 	 	+	-	PL	- 62 - 56 × 156 × 89	₩8 C	2	1		
	40	9L 15	65L	2 5 ^M	M	 	 	1	MM	A 48 A 4 6					
1	11 (-65NL5.8	65NL	53	[]т з		× 28 × 1 0	× 32	·			
1	58	65L 28	5L	30 ⁵	KV]	S KV	— △37	449	5	l		
	10 6	65NL53	5NL	5.3					skv	- × 77	× 86	s†			
PY	5.B	_65NL5.8				 	 	1	PL PL	×12 ×18			l		
ŀ	—	_65.NL				 		1		4 7	1.5	1			
ļ	ľ														ł
	58	9L 15	P L65L	4.3	М	<u> </u>	1		нм	i		-	427	A31 A 35	
		65NL 5.8				1	1	Т6	нм			ļ	×26	×32 ×67	
		_	1					1				-			
	├ ─		P 1			<u> </u>		ļ	<u></u> .	į		İ	١.		
	44	9L 15	_9L	12	9L 17			T 7	SP				[∆] 23	[∆] 26 [∆] 41	(T7)
								;							
	50	9L 3.5	PYgi	1,60		-	 		<u> </u>	∆ 24 △ 40	Δ 27	 	 -		
	10.4	9L 2.4	Pen.	2.20	Y65NL5.8P	L	 	1	PL						
NN	100	9L 2.4	65L :	2.0	651.26	5L 30 ⁵	KV	ТЗ	SKV		× 10		1		
1414	104	9 <u>L 2</u> 4	65L	2 2	65NL5 8	L]	PL	× 1 × 3	х э				
l				1	_					Ī			1		
	-	A	9 5 b		Y		<u> </u>	ш		A 30 4 0 **	X		<u> </u>		
					9L 1.5		 			Δ29 Δ2 7 × 72 × 60					
	91				65NL5.B	65), 2.7 ^M	M					I			
		9L 11	651	20	651 26	65L 20°	KV	Т 3	SKV	- × 41	X pp				
BS					6 5NL 5.8				PL	× 3 × 5	x 10				
0.5			Τ				T	1							
			<u> </u>												
	9.1	9L 11	9	шЦ	65 L 2.6	^L 65 ե 4 3 ^H	K	Т 6	нм					^X 22 ^X 54	
				Í				! i							1
	5.7	91 15	Pd	- P	^Y 9L 15 ^P		 		-60	△18 △ 42	A 2 C				ļ
					9L 15				Ðι	— × 22	× 64				
LP-2	88	·9L 15	65L	2.7	651.26	·65L 2.0	kv	Т3	skv	× 18	38	ļ			
-, -	102	9L 5	-65L 2	2 9	65NL58	L		l	PL	x 1 x 3	x 9	Ì	•		
			Ţ	-1								ŀ			
				-											
		65 L 2.9							PU	4 26 4 25	38				
		65NL60			65NL5.3 ^M	М			PL	× 42 × 72 — × 12	^158 × 43				
					5NL 53 5			Т 3	SKV	— × 48	X aa				
		65NL 6.0							PL	× 1 × 3	x ö				
				7					l	_	_				
	ļ														
ļ	57	-65NL4.0	9L I	.7	·					[△] 27 [△] 22	[△] 24				
	10 9	5NL 51	65NL	5.8		u			1	× 28 × 64	^120 x -				
	10 6	SNL SI	651 2	8.5	65L 2.7M	KV			MM	— × 12 — × 43	^ 36 x e e				1
ım	0.9	5NL 51	65L 2	;;;;;	5L 3.0 ⁵			Т 3	SKV	× 1 × 3					
· ""	- 3	<u> </u>	1 22 35	<u></u> -					PL	1 " 3	9				
J	_				1			1	l						
	89	65L 2.0	Y65L 2	6	65L 4.3 ^H	М		T	нм				_ ×	33 × 62	
								Т6	ſ						!
			<u> </u>	_					1						
}	2.0	РСМ 20 ^P						1	图			Δ1 9 Δ 31Δ 54 Δ Δ Δ			
ŀ	20		65L 2	, ,,,,,					PL MM			Δ54 Δ80 ^Δ 128			
ł	4 7 5 2	" 20 " 20			(V			Т 3	SKV			△24 △25△ 46 —— △50△ 53			
ŀ	94	9L 36	Y _{65N1}	60	-				PL	x 1 ^x 3	x 9	W- 93			
ļ		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	. <u>~~</u>	~~	t				į						
LS				\perp		ļ									
[5 5	PCM 20 P	^L 65L_3	50	•				СP						△38 [△] 62 [△] 76
Ţ	4.5	4 20						Т 6	нм						△16 △44 △ 44
				- 1			7		ļ						
}	<u>, </u>	DCH CAP	L	١ الدر	9L 1.75	, -		-						:	A. A A A
}	91	PCM 2.0	<u> </u>	4	9L 1.7"			T 7	SP						A10 A12 A19
	1								-						(17)
	-						-								
	- 1		l	ı		J.		- 1	1		- 1	F			

TANCEL	licon								1				NO (2/2)
TANDEM AND		1	RANSMISS	וחו פויפ	STEM P	1000		TINATIO	I CARI		PCM		r 6
OFFICE	TOTAL	4 ''	MISMISS	JUN 303	YEM D	LU\$\$	0	FFICE	76 80			CABLE	76 80 90
	20	PCM 20	PCM -	PjL		T	1	PU	1		_ A21 A43	1 10 80 30	1 19 80 30
PTN			9L 3.2		PL		- T3	PL	_ × 3	× 9			
]	Ţ -	1	T		1	1					
	 	<u> </u>			 		 		<u> </u>			_[
	2.0	PCM 2, C	[}] РСМ — ¦	- L • Y	PIL	+	73	만		¥	— Δ3 I Δ4I		
PΚ	7.6	ar , <u>s</u> a	9L 32	<u> </u>			-	PL	- × 3	. 9	İ		
	ļ	Ì									1		l
	4.5	9L 2.5	SPCM 2. 0	· L	 	+	+-	[B]			— ^Δ 4 I ^Δ 20	 	
		1	* 2.0		<u> </u>	1	1	PL			x ₂₂		1
SDM	9.5	65L 4.3	v 2.0	· 5L 3.2	\$ KV	1	Т т3	_			×10		
	10 1	65L 4 L	9L 32	Y65L 2.E	PL]	PL	— × 3	× 9	1	1	ł
			1		1	' '							
	ऻ	ļ	9 6		<u> </u>	 -	<u> </u>						J
		PCM 2.0	⁻ ⁸ РСМ — ¹	- 	SKV	ļ <u>.</u>	4	민			- A21 A35		
ВСН	7.3	2.0	9L_32	YOR	PL	- 	Т3			x -	x 15		1
	147	<u> 9L 4 /</u>	91_32	1.65L 2.8	-	+	4	PL	_ 3	^ 9	1	1	
					1		ĺ						
	47	9L 27	PCM 2 0	L	1	<u> </u>	+	PÜ	 		_ Δ _{2 0} Δ ₃₇	 	
	79	9L 27	PCM 2 O	:5L 32	SKV	1	т з				×11	1	
	87	91. 27	9L 32	Y65L 2.8	PL	1]	PL	× 2	x 9	1	1	
RID				1			1	'-	1			1	
	<u> </u>	<u>.</u>		1	H.M.	<u> </u>		ļ	-			1	
	72	9L 27	PCM 2 OF	91 25	Ţ -	 	Т6	нм			1		× ₂₅
				1	1	i		İ			1		}
	20	PCM 2 0	PCM - P	L	 	 	 		 		— <u>△27 △56</u>		
RS	99	9L 52	9L 3 2	Y 9L 15	L		Т3	1	_ × 2	× 9	27-30	j	
. гэ			† 	<u>-</u>	† -		1	PL	ĺ				
					•						Ì		
	20	PCM 2 d	³ РСМ — Р	-			1	PL	<u> </u>		∆30 ∆36 42 2		
ļ	97	9L 23	·9L 34	9NL 40	L		4	PL		[×] 28]		
-			PCM 2 0				Т3		J		— — × 25		
}	8_3_	9L 2.3	9L 32	65L 2.8			4	1	× 2 × 3		•		
DM	82	9123	9L 32	<u>-9L 3</u>	19L 14	 	1	MM	* 2 * 4	× 6			
						Ì							
İ	110	9L 2.5	PCM 2 0	^L 9NL 6.5	M	\	Т6	НМ	1		1		xsı
ĺ						İ	1	1					21
			<u> </u>					ļ <u>.</u>	<u> </u>				
			9L 2.1			ļ			[∆] 35 [∆] 40			1	,
	9.7	91 1.6	·9L 2.3	_65NL 58		KV	т3		-				
NWW	9.3	9L 6	91, 2 1	65L 26	5L 3.0		13	1 244	× 10				
}	87	_911_5_	9L 2 3	<u>60N</u> L 0 B			1	PL	X 2 X 3	^ 5			
ļ	I								[1	
	52	9L 2.4	165L 2 8	L				PL	∆37 [∆] 29	∆ ₄₇	-	·	
Г	6 4	9L 26	65NL5 B				Т3	PL	×40 × 20 3	×34			
<u>þ</u>	05	9L 2.4	65L 2.8 65NL5.8	· 5NL 5,38	kv			SKV	-X16	23		[]	ļ
вк	84	<u>9L_26</u>	65NL5 8			 	ļ	PL	^2^3	^ 5		l	[
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NO (1/1) TANDEM LOSS DESTINATION TI (PTW) AND OFFICE CABLE CABLE PCM TRANSMISSION SUSTEM & LOSS TOTAL OFFICE 76 80 90 76 80 90 76 80 90 76 80 90 56 65L 33 - 65L 23 KK 494 4 Q4 494 35 9L 22 9L 13 8.6 5L 5 | 5L 35 8 6 5L 5 | 5L 3.5 кк 114 114 136 *68 *68 *80 160 *76 *60 TOLL кк 5NL 5NL TI KKTEST 40 40 52 KKOBS 3 3 3 SS - 352 10.2 651 33 5 51 3.5 65NL34 CP 390 300 354 32 22 30 85 5L 5 | 65L 3 4 5 7 9 8 5L 5 | 65L 2 6 SR 8P 8 2 5L 53 5NL 29 TW ×32 122 156 TI PTW *41 *80 *108 * 2 * 2 * 4 ΚK Τı SR 90 65L 34 9L 21 5L 35 KY 90 65L 34 9L 21 5L 3.5 KY 65NL 9NL 65NL ×48 ×24 ×22 кк KKTQLL ×29 ×36 ×51 KKTEST 16 22 34 TI KKOBS 3 3 3 × 1 × 3 × 9 65NL 9NL 65NL 11 0 65L 34 65L 41 5L 35 1 10 2 9L 19 9L 23 5L 33 KK 65L 2 7 8 10 1 9L 19 9L 23 5L 33 KK 65L 2 7 8 10 1 9L 19 9L 23 5L 33 KK 65L 2 7 8 10 1 9L 19 9L 23 5L 33 5L 26 5 5 ĸк _ _ ×33 SR ĸc ×22 ×11 ×36 — ×27 ×56 BP 55 86 65L 34 9L 23 5NL 29 TW - ×48 ×77 TI PTW 41 43 453 60 9L 25 5L 35 KK KK ×50 ×62 ×72 29 49 87 107 65L 45 5L 62 38 9L 25 9L 13 107 65L 45 5NL 62 KK кк TOLL ×47 ×84 ×155 KKTEST 16 32 64 3 3 3 X X X 9 5NL 65NL Τı 65NL 5NL KKOBS 90 65L 4.3 65L 2 1 5L 26 55 KK X123 X B3 324 нм SR - ×10 ×42 - ×10 ×48 вР 72 65L 4.3 5NL 29 PTW - ×66 × 35 TI PTW Δ52 Δ64
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 ×53 ×77 55 65L 20 5L 35 K 90 5NL 53 5L 37 9.0 5NL 5 3 5L 37 3 3 65L 2 0 9L 13 KK - '91 i38 5NL 5NL KKTEST _ 36 56 - 3 3 - 3 5 9 KKOBS 9 0 5NL 53 5L 37 10.6 5NL 53 FL 5.5 5R 9.0 5L 30 FL 33 K 65L 27 SKV - 3 5 9 - 267 399 - 14 ×43 - ×36 ×80 SR вР SS 82 - 5NL 53 5NL 29 TW - X91 X321 TI PTW 5.8 5L 35 -65L 23 9.9 -5NL 6.2 5L 3.7 △36 △49 △60 KK ×20 ×59 ×89 KK *33 io2 i59 *78 \\ 192 \\ 192 58(40) -5L 3 5 5 65L 2 3 9.9 -5NL 6.2 5L 3 7 TOLL кк 10 40 66 3 3 3 · 5NL · 5NL ΤI KKTEST ASD KKOBS X 1 X 3 X 9 99 :5NL 6.2 :5L 37 86 :5L 35 :5L 5 | 5^R 96 :5L 35 :6SL 21 | N 5L 40 | 5^R 9 2 :5L 35 :6SL 23 :6SN3.4 | 5^R 9 1 :5NL 62 :5NL 29 | TW KK 108 306 468 - ×16 ×50 SR BP SS 43 96 X₁₄ 2 13 369 PTW

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NO (1/1) TI TI (PTW)

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76 80 90 76 80 90 76 80 90 76 80 90 TANDEM LOSS DESTINATION AND OFFICE TRANSMISSION SUSTEM & LOSS TOTAL OFFICE | KK | \$\frac{1}{34} \frac{1}{33} \frac{1}{35} | \text{KK} | \$\frac{1}{57} \cdot \frac{1}{57} \text{io7} | \text{TOLL} | \$\text{KK} | \$\text{34} \cdot \frac{1}{34} \ 6 0 651 2.5 51 3.5 K .5L 40 .5NL 6 2 10 S 10 2 -5L 4.0 -5NL 6 2 KKTEST 20 20 42 KKO85 3 3 3 - 5NL___ SNL Τı мм ×13 ×20 ×40 ×11 — ×29 10 2 5L 4.0 -5NL 6.2 KK 8 5 651 2.5 5L 3.3 65L 2.7 ВP 162 126 237 SR 2 3 5 _ _ 30 SR SS 9.7 -5L 6.8 5NL 2.9 TW ^X25 ^X66 ^X39 PTW T I 5 2 -9L 1.7 9L 1.2 -65L 2 3 4 2 9L 17 9L 12 9L 13 10.4 9NL 44 -65L 25 -5L 3.5 10.4 9NL 4.4 65L 2.5 -5L 2.5 5 9NL 65ML 5NL | Κ| | Δ39 | Δ44 | Δ33 | Κ| | Κ| | 22 | 27 | 45 | ΤΟΙΙ | | ×14 | ×17 | ×27 | × 1 × 3 × 9 КK KKTEST 6 8 16 KKOBS 3 3 3 SP 9. 1 9L 1.7 :65L 2.3 5L 5.1 3 - - ×eo SR 7 1 9L 17 65L25 -5NL 29 TW TI PTW - × 10 ×35 4 db 79 84 152 SUB 6 d b SUB 6 db 73 77 68 TOTAL II db 325 258 567 25 76 174 NL 34 37 69 GRAND TOTAL 511 456 856 25 76 174

MM PL T3,T6

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NO (1/1) TANDEM LOSS DESTINATION CABLE AND OFFICE TRANSMISSION SUSTEM & LOSS PCM CABLE OFFICE TOTAL 76 80 90 76 80 90 76 80 90 76 80 90 27 65L 27 L 4.0 5L 40 L 6 8 5NL 6 8 L 159 174 215 4 22 4 21 4 30 PL PL 114 × 82 × 192 15 28 40 PL. 68 5NL 68P L PL T 3 PL MISC 6 6 6 · 5NL 5 7 45 ^X 2 I ^X 68^X 133 --- ^X 6I ^X 117 PL. 5NL 5NL 10 2 5L 40 5NL 62 5 5 9 3 5L 40 5NL 53 5 V ASD мм 5.8 9L 14P 65L 44P KN 82 5L 38 65L 44P KN 89 5L 38 5L 5L P ⁴57 ⁴86 ⁴100 ⁸16 ⁸23 ⁸46 ⁸146 ⁸98 ⁸146 ⁸28 ⁸11 ⁸34 PKN ÇP 89 5L 38 5L 51^C | 89 65L 25 65L 42^P | 65L 22 8 N | 90 65L 25 65L 42 9L 11 9L 12 P3 8 9 65L 25 65L 44 PCM 20 8 N | 80 9 65L 25 65L 44 PCM 20 8 N | 80 9 9L 14 65L 43 N | 80 9 9L 14 65L 41 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K | 65L 34 K BN _ _ × 27 _ _ × 12 P\$ SMP нм кс ON-1 - ×12× 47 0N-2 5.5 9L 17^M M₅L 36^P L 9.7 9NL 44 65NL53 9.7 9NL 44 M 65NL53^P L 4.4 9NL 44 M △26 △ 34 △ 33 PL ×11 × 23 × 34 PL _____× 50 PL Т3 ×20×18× 50 MM 1 1 1 - × 13 × 22 - × 11 × 18 9NL 88 9L 17^M 5L 36^P 5L 35 ASD 84 9L 17^M 5L 37 - 5L 30 KV мм тке ASD SP SKV 52 9L 16 M M9L 12 L9L 24 KN 109 9NL 42 65L 23 65L 44 KN 97 9L 17 M K5L 37 65L 43 M ∆27 [∆]32 [∆] 50 PKN т 6 PKN SUB 4 db 6 d b 11 d b NL 159 174 215 48 55 63 84 118 150 181 304 656 GRAND TOTAL 400 547 986 319 334 715

ANDEM	Loss							DEST	INATION				5			Т	<u>NO(り)</u> 7
AND FFICE	TOTAL	TRA	ANSMI	SSI	ON SUS	TEM &	LOSS	- 1	FICE	<u></u> c	ABLE		-P C M			ABLE	PCM
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	9.4	5NI 45	51	49		1	-	┪.	1 L	× 39	× 27	x 52				-	-
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	4.5	• 4.5				1		4	S₩	1					267	192 348	
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i	88	_5111		7	×		+	-	sw			•			× 60	60 9t	ļ
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	5.8	9L 1.7	M 5L	245	₩ _{9L} 7	1		Т5	TH.	Δ ₁₉	Δ ₂₂	Δ ₃₅		-			1
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}	4340	9L 1.7	<u></u>	26,	W Tol				S W						140	57 179	
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SP	8.9	• 4.4	5NL	45		ļ		4	SW						l —	— ^x გი	1
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AND OFFICE	TOTAL	TR	ANSMISSI	on ana.	тем а	LOSS	OF	FICE	76 E	BLE 30 90	76	P C M	90	76 l	ABL 80	90	76	80 B	91
	40	65L 2.5	Lar 12	Y				[PY]	48 4	46 △44	1	, 1 .		1	_ - • 1	- •			<u> </u>
	84	65NL 53	65NL5 8	.651 20	50 1 E	5	Τ,	PY BS		10 ^X 32 X33									
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AND OFFICE	TOTAL	Ι то	ANSMISSI	on sus.	TEM &	LOSS		FICE	CAE	BLE	_	PCM		ABLE	PCM
OFFICE	2.0	PCM2 O	K	<u> </u>	· · · · ·	1	_	KK	76] 8	30 90		80 90 44 ⁴ 54	76	80 90	76 80 90
	20	+ 20						KK	1		42	△86 [△] 92			
	8 2	9L 3.4	<u> 5L 4.8</u>	K		ļ			1 1 ×2	23 ^X 34					
	2.0		165L 3.2 ^K	k	ļ	ļ	ŀ	18T	x z x	7 ×30	17	25 47	İ		
	_0,0	PNL	65NL					KKTEST		8 16					
		,		-				KKOBS	3	3 3	Δ.	Δ 105 159			
	5.6 4 9	PCM_2.0	5NL 3.63	P		-	Τı	SR BP			Δ ₂₂	105 159 233 48			
	5.2	20	5L 32	TW				PTW:			$ \Delta_{22} $	Δ ₆₆ Δ ₇₆			
	7.1	, 20	5 NL 5 I	l]	,				Δ- ×20 44 66			1
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		РСМ 2.0	Y		1	-	ł	PY							^Δ ₂₉ ^Δ ₃₄ ^Δ ₃₁
		PCM 2 0	-	<u>-</u>		1		PY			-		X _I O	X11 X26	△59 [△] 76 [△] 87
	10 5	·9 L 3,6	· 65NL46	5 9NL 2 3	s			BS						- × ₁₆	△ ₂₀ △ ₄₃ △ ₇₂
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	-07	9 L 3,6	5NL 5.1	-	<u> </u>	ļ <u> </u>	. .	IM					1 -		
	1601	PCM20	65NL4.0		ļ	 	Т2	LP-I						× 11 × 25	24 ² 53 ² 50
	5.1	PCM 2.0	1 65L 3.1				1	•						., 23	44 47 55
	4.9		·9L 14	9L 15	P 2		l	LP-2							4 4 4 35 40
		·9L 36	65NL6 0	-9NL 39 ^L	i	1		LP-ISPS					x 6	X 2 19 X 0 X 4	
	10.2 5 7	9L 34	65L 29	*9NL 39* 9L 24 ^N	N			LP-2SPS N N							43 420 434
	7.8	.9L 34	65L 2 0	9L 24	Ì			NNSPS					× 5	x 6 x 0	13 20 34
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i															
	20	PCM 2 d	۲					KK				∆ ₃₁ ∆ ₅₂	1		
ļ	25110	·9L 76	S 9L 32,	5,9 <u>L L 7^K</u>	k			<u> </u>	ĭo ž	2 ^X 34	l		l		İ
}	.8.7	PCM 2.0	65NL67	•				K K TOLL				X11 20			
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[7.1	PCM 2.0	PCM — [. 5NL 51	TΨ			PTW			-	— ×13			
PTN	6.4	, 50 <u>.</u>	5 , _ P	·	K 5NL 445	-		ss			-	— x26			1
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	2, 0	РСМ 2 0°	Ÿ					PŸ							V ∆28 ∆42
ļ		-9NL	• 9 NL					PYALSNO]		1		
ŀ	- 1	· 9NL - 17	9NL *9L 44 ⁸	s			T2	PY TKE BS					1 =	1 1 - ×30	
ľ	8.3	PCM 201	9L 34	Y 65L 2 9L	PI	·····		LP-I					_	— ×1 о	
	8,1	9 L 4.7	[×] 9L 3.4 ^N	N				เหม			ĺ		-	^x 21 ^x 50	1
[i											l		1
	2.0	PCM 2.d	³ РСМ — ^к	K				KK			_	△ ₄₈ △ ₅₉	!		
[78	9L 2.9	9L 32	'9L 17"	K			<u> </u>	_ ×	3 × 9		55			
1	7.8	·91_29	9L_3.2	_9L_17 ^K	κ			TOLL K K	- ×1	6 ^X 23					
}	2.0	PCM 2 O	PCM — K	Y 9NL			_T ,	KKTEST		חו מ	_	*25 *38]		
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· " [7.1	PCM 2.0	PCM K	* 5NL 5.1	TW.			PTW		_	_	^x 10 ^x 16			
ļ	6,4	PCM_2.0	<u> РСМ — "</u>	5NL 4 4 ⁵	3			ss			_	_ ×34			
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	20	PCM 2 OL	S PCM P	Y				ĒΫ]		_ ^Δ 30 ^Δ 43
[91	9L 29	9L 32	. ear s a _r	PI		T 2	LPI					_	_ ×13	
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TANDEM	LOSS	:					I		1		1	1 т	NO (2/3)
AND	TOTAL	7.0	ANSMISS	oń sus	TEM &	LOSS		TINATION FFICE	CABL	E	PCM	CABLE	PCM
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	106	65L 42	9L 32	Y65L 3 2	K K		1	KK	— × з		- 15 176		
	72(40	9L 23	9L 32	9L 17			1	KK	— *25 — *16	, 33 ×			
	10.5	9L 4 1	9L 3.2	651 3 2	-	ļ	ł	TOLL	1 .	10			
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SDM	9.5	65L 43	PCM 2.0	K5L 32	PTW			PTW	1		- X15 X21		
	107	65L 43	1 50	5NL 4 4	> 5		-	SS			- ×12		
								1					
l	64(60	65L 4 4	PCM S O	Y			1	PY	1			_	⁴ 50 ⁴ 5
	105	65L 42	<u> </u> 9L 32	∐'65L 2 0'	SbL II	Š	T 2	85				× 10	
	03	65L 42	9r 35	⁷ 65L 2 9 ^L	-		┨	LR-1			ĺ		
							•		 				
	20	PCM 20	³ РСМ — "	K		L		KK	× 3	× .	— [△] 43 [△] 4 9		
			9L 32	9L 1.7	<u> -</u>		1	KK TOLL	×7 ×16				
	Ľ	9NL	9NL	9NL	 		1	KK TEST	5 8		;		
ВСН							T 1	141 550		3			
	101		PCM - R	K5L 3.2	I.M		-	PTW	1		× 21 × 15]	
	14.5	9L 49	7 20	*65 NL3 49	- -		1	"					
	47	9L 2.5 9L 2.7	9NL 47 N	F	 			KK	— ^ 2	^ 9	⁴ 1 ³ 9		
_	74(40)		PCM 2.0	91 1.7 ^K	K		1	KK]	9 24		41 39	[
	106	9L 25	9L 34P	9NI 47	1			TOLL	X7 X15	^X 26			
		9Nr	9NL	YONL			Τı	KK TEST		14			
	10.3	9L 27	PCM 2.0	65NL 5.6 ⁸	P			BP	<u>—</u> з	3	× , ,		
RID	98	9L 27	* 2.0 K	5L 5 1	TW			PTW			× 11 × 29		
RIU	91	9L 27	″ 20°	75NL 4 4	s			ss			— —×16		
			İ									}	
	5930	9L 2.5	^S 9L 34 ^P	Υ			ļ	[PY]				∇ ₈₃ Δ ₃₉ Δ ₃₀	
		65NL		3)				PYALSNO				- , -	
	110	65L 48	9L 3.2	^Y 65L 20 ^B	9 <u>1</u> 1 1	- .	Т 2	B S I M				x x 26	
	10.9	65L 48	9L 3.2	Y ₉₁ 14 ^L	ਭੂ । 5	P -2	'	LP-2				× 23	
	10.9	65L 48 L	⁸ 9L 32 ^P	⁷ 65L 2 9 ^L	P-1			LP-I	•			× 22	
	20	PCM 201	⁵ РСМ — *	к				[KK]			_ A 37 A59		
	101	91. 5.2	91 32P	Yol L7K	K			кк	— x s ;	× 9		j	
		PCM 2 0 9L 52	PCM — K	You . mK	К		li	KK	× 7 × 11 7	٠ ا	9 17 33	1	
		9L 52		[¥] 9L 1 7 ^K ∙9NL	-		т,	KK TEST	7 li 5 4		İ	İ	
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ŀ	140	⊎L 52 ⁻	9L 3.2	⁷ 9∟ 16 [±]				ţP-I				×10	
			5										
}		PCM 2 0 9L 2.3	PCM — K	Y _{CEL} ~ _X	к			KK KK	× ₂₅ × ₅₀ ×	x	△51 △49 △55		
ł		PCM 2 0	PCM — K	^Y 65L 3.2 ^K	⊢ -			KK]			-22 - 27 - 40		
ļ		9L 23	9L 32 ^P	^Y 65L 32 ^K	К		İ	тош	*14 *17 ³				
DM		9NL	9NL	9NL				KK TEST		14]	
ŀ	96		PCM 20K	″ 5Νι_ 5, 1 ^P	TW		T 1	KK OBS	3 3	3	_x, _ x	1	
[9L 25	" z.o ^p	5NL 4 4	9			PTW SS			-X16 X42 - X15		
-		984	·9NL	5NL S				SR	3 5	10		ĺ	
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NO (3/3) TANDEM LOSS DESTINATION CABLE AND TRANSMISSION SUSTEM & LOSS CABLE РСМ TOTAL OFFICE OFFICE 76 80 90 76 80 90 76 80 90 76 80 90 2 0 PCM 2 0 PCM - PN 8 6 9L 2 3 9L 3 2 65L 2 0 9L 8 5 9L 2 3 9L 3 2 65L 2 9 P-1 9 6 9NL 6 2 9L 3 4 △53 [△]54 [△]46 PY -- -- ×13 - - X10 - - X15 - - X15 Т2 IM DM 바 PY 7. 1 9L 16 9L 23 65L 32
7 1 9L 16 9L 23 65L 32
5440 9L 16 9L 23 65L 32
9NL 9NL 9NL 9NL 457 451 452 *36 *26 *24 * 3 * 5 *10 KK KK 7011 ×20 ×20 ×29 47 KKTEST 10 10 16 TI KK 9BS 9.0 91 16 91 21 91 17 5N1 3.6 10.1 91 16 91 21 51 63 8 SR ×42 ×33 ×48 × 3 × 5 × 10 — × 23 × 49 NWW 62 91 16 91 23 51 43 110 91 65 91 45 5 105 91 65 91 19 5 651 21 PTW × 26 × 31 × 62 SS ВР 5 2 65L 29 9 9 L 2 1 65NL 4,0 7 9 65L 29 9 L 2 1 65L 29 [∆]43 [∆]39 [∆]41 PΥ Т2 l M œ. 5 6 9L 24 65L 32 93 9L 24 65NL 67 9NL 65NL 17 КК ^Д42 ^Д33 ^Д38 КК ^Х13 ^Х25 ^Х35 кκ 4 3 5 *33 *25 *35 *20 *15 *22 KK 93 9L 26 65NL 6.7 9NL 65NL TOLL KKTEST 10 18 x₃₀ — 1.7 KK OBS 3 88 9L 24 5L 64 SR SR 9NL 5NL 3 5 10 вκ 26 9L 26 Y 1⁴30 ⁴32 ⁴30 PY ×67 ×20 ×20 PΥ 9NL 9 4 9NL 6.1 65L 2.2 5 91 1 65
10.1 9NL 6.1 65NL 40 1 9NL 6.1 65NL 3.1 LP-1 PYTKE ×31 × 11 ×34 T2 88 IM ×22 ×22 ×38 LP-I

TANDEM AND OFFICE	TOTAL	TR	ANSMISS	ION	SUS	TEM &	LOSS	1	INATION		ABLE		PCM		
OFFICE								, 0	FICE				LOM	CABLE	PCM
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	9.4	PCM 20	Y65NL5	PL			ļ	┨	PL	×	× 3	× s	19 -31 454		
	20	PCM 2 d		' †		├ ─	 	1	1	l '	•	-	^54 ⁴ 80 ⁴ 28		
	4.7	. 20	65 L 2	мм] ⊤ ₃	MM				A24 A25 A46	•	ĺ
	5.0]	ASD				17 455 464		1
	7.9		65NL 5	9 K V		<u> </u>	ļ	4	*				_ ×10		
	5.2	, 50	5L 3	<u> </u>				-	SKV	1			— [△] 50 [△] 53		
				İ				İ							
	2.0	PCM 20	KN	†			1	1	PKN						^25 [^] 36 [^] 57
	20	+ 20					İ	1	PKN						△17 △36 △55
L S	55		65L 3					_	CP	F					1 ⁴ 38 ⁴ 62 ⁴ 76
	56	PCM 20						╛	BN						[△] 23 [△] 24 [△] 34
	40		PCM 2.0				ļ	-	кс						A27 A1 A3
	5.4	* 2.0°		DING.	1 2 ^P	s	 	┨	,					İ	×12
	20	* 20	PCM -	SMP	12		 	1 6	PS SMP						15 424 435 15 17 25
	20	* 20		N-Z			 	1	ON-2						15 7 25 ^20 ^42
	48	+ 2.0	65L 2.8	O N-I			l	7	ON-2					[- 20 42 - 26 ⁴ 2
	20	. 50	PCM —	YP]	BYP:						- 411 414
	20	1 20		L KB				4	LKB						— ^Δ 13 ^Δ 13
	45	+ 2.O	9L_2,5	, M			ļ	4	нм						16 A4 A4
					i			1						i	j
	20	PCM 2 0L	3 PCM -	-			 	+	PL	-			— A21 A43	 	
:	76	91 29	9L 3.2	P.Y91	. 1.5°	L.	i	T 3	PL		× 3	x .	21 -43		ĺ
i			† ——")			Γ		PL		•	-			
PTN								<u> </u>							
	20	PCM 2 0	³ РСМ —	, KH				T 6	PKN						A18 A32
					1										
-	-	PCM 2 OL	 3	-							,				
				1 Y	5°	y		-	PL		× 3	×	— △31 [△] 41		
	76 8-1	OL 23	SPCM 20	1.91	ᅳᅴ	<u> </u>	⊢−−-	Т 3	PL	_	3	9	×10		
PK	8-1-	91. 3	PCM 20	65L	- 20			1 1	ASD			ļ	10		
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	20	PCM 2.0	PCM	KH				Т 6	PKN			ı			I
														[<u> </u>
			3	i L				 							
		PCM 2.01	PCM 2.0					-	PL			- 1	— [△] 41 ⁴ 2 0		
ì	93	65L 43		Υ ₆₅ ι	704	3 D		┨┃	PL				— _ xss		
		65L 4.3	• 2.d	La.	323	KA		Т3	ASD			ŀ	— ×12		
SDM	9.1	65L 4.I		65L	2 B	L		1	SKV		× 3	x ₉	×10		
	l			Γ	-7			1	PL		_	-		1	
												-			
1	4 5	9L 43 ^L	PCM 2.0	KN				Т6	PKN			- 1		'	4 2 52
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ŀ		PCM 2.0	5NL 4.8	A			1	SR					x _ x	33 ^X 78	į
			1				1						30	33 /8	1
							İ								
			K T	H_ K	ĸ										
			K9L I			ļ	ļ	KΚ		^53 ·					
1	55(4 C)	65L 2 B	9L 11	9L 16				[KK]		40					
	10.4	65L 2.8	91 13	65NL 6 3		·		TOLL	_	[×] 25	X44]	
		65NL	9NL	65NL			i	KK TEST		17	31			- 1	
	10.4	65L 28	1					0.00			x 9			1	
ВКТ				65NL 6 3	-	<u> </u>	Τı	кк	_	. 3	, 9 l			ì	
i			9 11	65L 3 0	65NL3.4			SS	_	_	×12				
	8	+ 28	9L	9L 4	5L 2.8	1 11		PTW	-		×36			ļ	
	89	* 2,8	91 11	5NL 4 8	Ħ]		SR						— ×́63	ì
			"		·		j					1		93	
L				•								1		į	į
	5.	9N1 33 T	^H 9L 18 ^K	ĸ		_		100.00	ARA	^= - ·	Δ=-			 - -	
	 		1 7					KK	400 4	-56		ļ		}	ĺ
	اللاعا		91 18			ļ		кк	47	52	80	l			
	9 9		65NL 6.3					TOLL	~ 29	×31	×46	l			
	99	• 33	6.3					кк	×40	_	_				
	┖╴╵	9NL	65NL	7				ᄣᆙᄩ	19	21	33			ļ	l
	99	9NL 3 3	65NL 6 3				ΤI			~	v 1			1	
DΚ	89	9NL 33	65, 20	- <u>-</u>	<u> </u>			кк	^18	²³	_57 _			ĺ	
	_		100L 50	5L 26	rw			SS	– .	,—	×29]		ľ	
	9	* 3,3	7 3.0	<u>51. 2.8]</u>				PTW	'	30	× 52	1			
	81	* 33	5NL 4.8					SR			i		×36 ×	30 ×75	
	l		5NL					\$R					3	5 10	
			[f										-	٠,٠	
			į l	1										1	
		704 T	"65L 32"	ĸ			\vdash				\rightarrow				
	5940	PLM 20	97 32					KK		^23 °					
			18F 181				i	KK	. 9	17	22	}		- 1	
	10.8	9L 4.5	65NL 6.3	!				LOFT K K	× 7	×ıı	×14	1			
NK	╙	9NL	65 NL				Τι	KK TEST		7		ļ			
	10 8	9 4 5								x 7	x 2	Ì			İ
				+		 		кк	_	2	9				l
				l											!
	 	-	<u> </u>	<u></u> _											
			65L 32					[K]K]	2	33 4	41				
	3.8	, 50	91_18					KK			29]
MSK	108	9L 4.5					ا . ـ	τοι		×15					
		9NL	65NL				TI					į			
	10 8			 				K K TEST OBS	_	11	13				
	۲۳۰	35 45	65NL_6.3_	 			1	кк	_	× 2	^ 9	ļ			
				į							- 1	j			
	Щ.														
															NO 27

TANDEM	LOSS	· · · · · · · · · · · · · · · · · · ·	L		<u> </u>			-NO (2/2)
AND	TOTAL	TRANSMISSION SUSTEM S		TINATION	CABLE	PCM	CABLE	SR)
OFFICE			Ų°	FFICE	76 80 90			PCM 76 80 90
1	4 9	65L 24 9L 0.9 9L 16 KK	-	KK	Δ ₂₅ Δ ₄₃ Δ ₆₁			
]	6. 7	65L 2 4 9L 09 9L 16	1	TOLU	17 38 57 XII X23 X34			
PSR	<u></u>	65NL 9NL 65NL	<u> </u> דו	KKTEST	7 15 23			
'-"	6 5	65L 24 9L 1, L 65NL 3.0 PIW	-	KK	111 ^23 ^34 ;			
İ	7 7	65 L 2 4 9L 0 9 9L 1 4 5L 3,0 1W	-	PTW	— ×23 ×39			
	<u> </u>		1	1				
ļ	4 5	5L 29 9L 1.6 KK		[KK]	△56 △43 △34			
	8 2	9L 11 9L 16 5NL 50 65L 32	-	KK	*38 *38 *71 *23 *23 *41			
	5-	5NL 65NL	1	KKTEST	15 15 29			
١	8 0	5NL 5.0 65L 3.0	T 1	KK OBS	^23 *45 *60			
ВС	8 7	5L 2 9 65L 2.8 5L 30 TW	4	PTW				
	9 9	5L 29 65L 28 5L 26 ^{SS} 5NL 5.0 5NL 48 ^{SR}	-	SS SR	— — × 26		— — × ₆₉	
Ī		SIL S.O. SINC 4.B	1	SR			10 15 30	
			1	"			15 30	
 		TO THE OWNER OF THE OWNER OWNER OF THE OWNER OWNE						
	5.4(40)	5L 38 9L 16	1	; —	△33 △40 △45			
	9.8	5NL 66 65 L 3 2	1	K K TOLL	*33 *51 *98 *20 *31 * 56	ľ		
	9 8	* 6.6 * 3.2	1	кк	*26 ×30 ×38			
CHIN		5NL 65NL]	KK TEST OBS	13 21 41		1	İ
снw	98	5NL 6.6 65L 32	TI	KK	^11 ^23 ^34			
	88	5L 38 9L 14 5L 30 TW 5L 40 5NL 48 8		PTW S R	— ×48 106		×81 105 207	
			1				81 105 207	
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TANDEM	LOSS	1			DEST	FINATION		ŢĮ	T:	
AND DFF1CE	TOTA	TRANSMISSION	SUSTEM &	LOSS		FFICE	CABLE	P C M	76 80 90	P C M
		PCM 20KK				KK.		△38 △37 △34	10, 00, 00	10 00 3
	2.0	PiL XX			1	KK	- ×22 ×22	⁴ 92 ⁴ 32 ⁴ 34		
		651 4.4 5L 35		 	1	KK	22 22	33 66 102		
		651 44 51 35			1	TOLL	X21 X40 X 60	33 66 102		
		65NL 5NL			TI		10 24 40			
	\vdash	65NL -5NL -5R		- 	1	KKOBS	3 3 3	A A A		
		PCM 20 5NL 36 65L 44 65L 34 5P		 	-	SR	*45 × 78 × 120	162 276 258		
		PCM 20 65L 28	<u> </u>	+	†	SR	45 78 120	40 46 ^Δ 74	!	
			5L 26			BP	× 11	40 46 74		
		PCM 20 5 2 285]	SS		⁴ 5 ⁶ 63 ⁶ 69	ĺ	
		65L 4.4 65L 21 5	L ខ6 ⁸	 	-	5.5	× 20			
PKN		65L 44 5L 17	-		1	PTW	45 ⁶ 81 ¹ 12 1 × 3 × 9			
		34 34 36 33		 	1	кк	1 3 9			
	46	651, 46			1	PL			[∆] 22 [△] 30 [△] 38	
		65L 4.6		1	İ	PL			22 30 38 296 146 176	
		65L 46]	PL			X32 X 54 X 02	
		65L 44 9L 1.4			T 3	MM			1457 AB6 A 00	
		65L 44 5L 38			∤ ``	MM		1	^X 16 ^X 23 ^X 46 ^Δ 42 107 135	
	5.2	65L 52		 	1	ASD			42 107 135 - × 32 × 51	
	40	5L 22 5L 18 KV			†	SKV		1	— ^A 75 ^A 95	
	6.8	5NL 38 :5NL 30]	skv		1	X 34 X 52	
	4.6	651 467		- 	-	PL			X 11 X 23 X 34	
		B 23		1		<u> </u>				
		PCM 20 PCM - KK		<u> </u>		KK		∆ ₃₇ △ ₄₀ △ ₄₅		
	100	9L 18 9L 21 KN	SL 4.2 65L 23	K K	1	KK	x x x	33 38 56		
	10.4	l 7	NL 65NL	-	Ti.		10 12 20 10 12 20			
				i	1	KKOBS	3 3 3	ł		
	97	9L 18 65L 39 65	42 5L 1.7	PTW		PTW	- ^ ₁₂ ^ ₃₆			
	10.4	9418 65_ 39 65	<u> 42 651 23</u>	4	ļ	кк	× 1 × 3 × 9			
SMP	├			<u> </u>						
	46	PCM 20 PKN 26 PL		 	1	₽Ü			A36 A 39 A 18	
	83	9L 18 9L 21 65	4.4		1	PL			×20 — ×58	
		PCM 20 PKN	4.4 1 65L 2.5	W	Т3	MM			×12	
	8.9	9L 18 9L 21 65			ŀ	ASD			- 5 15 37	
		9L 18 9L 21 5L 9L LB 65L 39 65		 		SKV			- x 24 x 34 }	
	T	2-10- 34- 25- 24		<u> </u>		PL		li .	1 3 9	
	20	PCM 20 PKNPCM - KK	-	1		KK		— △23 △29		 -
	20	· 20 · -				[KK]		- 21 .54	;	
		9L 36 9L 24 65	L 23 KK		TI	TOLL	× 14 × 17			
-	\vdash	9NL 9NL 65		 		KKTEST]		
BY P	83	9 36 9 24 65		+ -		KKMISC K K	$-x_{2}^{3}x_{9}^{3}$	İ]	
011	اتّا			† -		~ ~	2 9			
j		PCM 20 9L 26				- In .			^	
		PCM 20 9L 2.6 9L 36 65L 44 _		+	Г3	PL PL		ļ	— ^ 26	
									2 9	
	5.4	9L 12 8N 65L 22 PKPC	 			KK		∆37 ∆49 ∆60		
]	57(4.0)	' 12 9L 1.1 9L	Drt 1	r <mark>ik </mark>	ļ	KK	33 57 B4	3, -43 -60		
		65L 21 65L 20 9L	24 x 9t 1.0 24 533 65L 2.3		1	TOLL	33 57 84 ×20 × 34 × 49	Ì		
	<u> </u>	65NL 9NL 9NL	65NL	ļ	TI		10 20 32			
_ }	90	55L 41 9L 2.4 65L	- , , , , , , , , , , , , , , , , , , ,	 		KKOBS	3 3 3		1	
		65L 41 9L 24 65L 9L 23 9L 22 65L	. 34 [. 21 KK 65 17	\$	ļ	SR	× 39		1	
		65L 41 65L 2.4 5L	21 65L 1.7			PTW	- × 30 × 53		į	
		651 41 651 42 656				кк	— × 30 × 53 × 1 × 3 × 9		ļ	
	4.7	9. 12 9. 11 9.	24			PL	į	i	[△] 36 [△] 48 [△] 32	
	1	65L 21 65L 20 65L		A.M		PL	ļ		- × 22 ×80	
	- 1	<u>9L 12 9L 11 65L</u> 65L 21 65L 20 651	A idea		тз	M M	i		x ₂₇	
		65L 21 65L 20 650		kv		ASD SKV			× 31 × 51 × 40 × 59	
1										

TANDEM	Loss		1							· · · · · · · · · · · · · · · · · · ·		NO (2/2)
AND	TOTAL	TRANSMISSION SUSTEM & LOSS	1	TINATION	1	CABLI		P	M	CAI		PCM
OFFICE			°	FFICE	76	80	90	76 - 8	0 90			76 80 90
	8.7	5L 36 PHOCM 20 HIN 6SL 2 2 6SL 4 2 L 6SL 23 KN	┨	K K	×		_	△63 [△] 4	8 ⁴ 57			
1	3.5	9L 15 PCM 20 K	1	KK	22		_	.,, .	7 84			ŀ
	87	65L 2 2 65L 4 2 65L 2 3 KX		TOLL	×34	×34	×49]		ļ		
		65NL 65NL 65NL		KKTEST			32					
1	93	5L 3 4 .65L 4 2 5L 17 TW	┨ ┰╻	KKOBS		3 *36	3 X ₆₀					
	82	65L 2 2 9L 2 2 65L 2 1 K 65L 17 S	1	SS SR	<u> </u>		x ₂₃	ļ				
]	9.0	· 3 4 9L 22 65L 34 ^{5R}	1		×30	_	×33					
		5NL 65NL 5NL		SR	, 8	ូរ 3	25					
BN	9.9	51. 3.4 651.4.2 651.2.3 KX 5NL 65NL 65NL	1	KK KK	3 2	x 6	×10 -					
}			1	""	-	-	Ŭ			ł		
	5 7	9L 13 65L 4.4		PL	1							
	78	5L 3 4 65L 4 4	T 3	7.	1					^Δ 20 ^Δ 1 ×70 ×5	7 ⁴ 22	
	8.9	65L 2 2 65L 4 2 65L 2 5 MN] ' 3	MM ASD SKV PL						×28 × 1	1 × 34	
	72	- 3 4 65L 5 0 ASD								×10 ×3	3 × 58	
		* 3 4 5L 16 ^c 5L 22 5KV	ł							x 5 x	7 ^X 54	•
			1	PL	l					•	, ,	
 - 	20	PCM 2 OPKN — KK	<u> </u>	(एक)								
	20	* 20 * -		K K				— ⁴ 3			ļ	
		9 L 5 B 9 L 2.2 9 L 1.3 KK	71	1 l	 _	×13	* ₁₃	e1° —	- 19			
		9NL 9NL	Ì	KKTEST		6					1	
LKB	10 3	9L 5 8 9L 2 2 65L 2.3 KK	-	KKOBS		× 3	, 3					
		30 90 22 651 23		кк	-	2	^ 8				İ	
[]	46	PCM 2 0 PKN 2 6 PL			Ì						. !	
	10 2	9L 5 8 55L 4 4	Т3	PL PL	ļ		ļ			— ⁴ 42		
			†	"	1					_ × 2		
				<u> </u>			Ì				Ì	
_	2.0	PCM 2 O PCM - KK		KK				— △ 3:				
	79	9L 34 9L 22 ^{PL} 65L 23 KK		KK TOLL KKTEST KKOBS	×	×22	x	— *35	75		;	
[9NL 9NL 65NL	1			12						
;		и и				3 3 X39 X123						
l f	90	9L 3 4 9L 2 2 65L 34 SR	ΤI								}	
	9 1	PCM 2 0 9L 2 4 65L 2 1 KK 65L 2 6 8 P PCM 2 0 9L 2 4 65L 2 1 5L 2 6 5 5		BP	_		,10		ţ		;	
	107	9L 3 4 65L 4,4 5NL 2 9 PTW	i	SS PTW KK	x ₁ - x ₁₁ x ₄ - x ₃ x				i		į	
ļ.	99	9L 3 4 65L 4 2 1 65L 2.3 XX					1		,			
 							į		ì			
		PCM 2 0 1.9L 26 L		PL			i			<u> △</u> 19	Δ31	
4	78	9L 34 65L 44		PL 5 MM ASD 5 SKV			ì		— ^х 23 ^х 9в	x ₉₈		
-	82	9L 3 4 65L 42 9L 24 NM 9L 3.4 65L 48 ASD	Т3						}	- ×12 *	47	
Ī.	10 5	9L 36 -5NL 30 CP 5NL 39 SKV							!	×1.5	*56 *54 * 9	
F	78	9L 3 4 65L 4 4 PL		PL			1		ı	× 3		
				1					!		,	
	48	651 2 8 K PCM 2.0 KK		KK				— [∆] 51	Δ ₆₉	,		· · · · · · · · · · · · · · · · · · ·
	((40)	65L 2 6 9L 22 L 9L 1.3 K	!	KK		47					1	
<u> </u> -		65L 2.6 2 65L 4.2 65L 2.3	i	TOLL	_ ×		59				1	
		COL SOM SONI	Ti	KKTEST KKOBS	_		40					
	8.2	65L26 9L 22 65 34 SR	ı	SR	×		56					
	8.5	65L 26 9L 22 9L 11 KK 65L 26 BP	i	8P		×	10		[
	86	65L 2 6 9L 22 65L 21 65L 17 ⁵ 65L 2 6 65L 4 2 5L 17 PTW	1	SS	_ 、	_	15		1			
F	0.5	5L 40 65L 42 65L 23 KK	[PTW	_	24 X 3 X	62					
				^^		J "	3				ĺ	
F	5.0	55L 2.6 NN 2.4 PL		_						^		
	- 1 1 1 1	WL 6.0 191 7.41	- 1	PL, PL					l	— ["] 24	_39	
1-	84 j	5L 4.0 651 44									X . '	
	84 j	51, 4.0 651, 4.4 651, 2.6 651, 2.6 651, 4.2 91, 14 MM	тз	PL MM						_ ^40	148 ×73	
<u> </u>	84 82 90	65t 26 65t 4.2 9t 14 MM	т3							- x ₁₇	× ₇₃ × ₆₇	
9	84 82 90	51. 4.0 651. 4.4 651. 2.6 651. 4.2 91. 14 MM 51. 4.0 651. 5.0 ASD 51. 4.2 5.Nl. 3.0 F 5.Nl. 3.8 SV 51. 4.0 651. 4 4 F	Т3	MM						— ×17	×73 ×67 ×82	į

AND	LOSS						DES	TINATION	1		T 2			<u></u>	NO (1/2)
OFFICE	TOTAL	J TR	ANSMISS	ION SU	STEM &	LOSS		FFICE	C	ABLE		РĊ	М	CABLE	PCM
	20	PCM 20	Lis	·		T	1		76	80 90	76	80	90	76 80 90	
	20				-	+	-	LS			İ				A17 A36 A55
	5 9		P 2 2 2	2 9r 16	N WW		┪	LS							25 436 A57
	4 4	, 20	91, 2,4	BK	`	+		BK							Δ Δ34 Δ37
	4 0		PCM 2.0		 			n _M			İ				[∆] 50 [∆] 33 [∆] 49
	20	. 20	PCM -	, k s	 	 	T4	RS							[∆] 36 [△] 45 [△] 48
	20	. 20	РСМ —	.BCH	1	 	1	ВСН			1				- ⁴ 27 ⁴ 52
	47		9L 2.7		- 		1	RID	1		İ				— [^] 43 [^] 58
	4 5		9L 25		 	 	1	SDM							- 41 A62
PKN	2.0	+ 20	PCM —	PK	┪	†	ł	PK						İ	- 42 A52
1.01	2 0	, 2.0	PCM —	PIN	· 	1	7	PTN	1						- ²⁶ ³⁷ - ³ 18 ³ 32
			1	 		 	1	1							18 -32
			1	1		Ī	l	1			ĺ				
	2.0	PCM 20	7	1			┼─	PY	1		Δ.	⁴ 35	Δ		1
	2.0	_ 20				<u> </u>	1	PY	l		41	423	A31		i
	7.8	65L 5.0	65L 28	PY		1	1	PY		×14 ×24	1115	123	121		
	4 4	PCM 20	9L 24	8.3			1	BS			10,-	Δ ₅₁	4.		
	7 1	9t 4,0	65L 2.0	94	95		1	BS	l	_ ×17	1 7'	31	7.4		
	5 7		9L 37		-	1	TZ	NN	425	∆34 ∆44	1			•	
	60		65NL 4 0				1	I M I M	33	56 67					
		9L 42	5NL 5 1	I M		1	l		-35	56 67 14 22					
	5.0		9L 17		LP-2		1	ì	14	A A	1				
		65L 32	65L 3.2	9L 16			1	(LP2)	(39)	199) (74) X.4 X					
ĺ	5 1	PCM 2.0	65L 31	LP-1	$\overline{}$	-	1	LPI		(53) (74) (14) (21) ^X IN ^X I9	Δ,	۵۵	۵۵۵		
	10 4		65NL 6.0			-	1		l —	× 10 × 19	39	90	62		
				T	 		1	[7]	l	10 19					
	<u> </u>		<u> </u>	1	1	1		ļ	}				- 1		
	4 5	9L 25	PCM 20	-3	1		 -	[LS]	 -		+-				
нм				T			Τ4	[F3]							△16 △44 △44
	L		1		1	[•			:	
	2.0	PCM 2.0	PCM -	LS	 		<u> </u>	LS			† 				0-2-4
i				1	 		Τ4	[िरु							△ ₁₅ △ ₁₇ △ ₂₅
			1		j j	i					1		1		
SMP	20	PCM 20	PCM —	PY			-	PΥ				Δ ₄₂	Λ-		
	7.9	9t L8	651 1.9	5N 22	PCM 2.0	y	Т2						~51		
ļ	10,2	PCM 20	91 42	65NI 4 O	IM E.U			PY			X ₁₀	_	1	ŀ	
1	-		32 72	BUNEA O	 			I M	_	- ×22			- 1	•	
ľ	' 1	- !			1 1			·							
	20	PCM 2.0	OLCH T	3	-		 	<u> </u>			1				
Ì		1,0,11 2.0	. 	 	<u> </u>		T4	LS			į		- 1	, i	<u> ΔΙΙ ΔΙ4</u>
	ŀ	1											[į	
BYP	2.0	PCM 20	PCM —	 Y	 		-	16.61			-		. 1	!	
Ì		, <u>, , , , , , , , , , , , , , , , , , </u>	7 0111		1		Т2	PY			· —	[∆] 24	30		
	İ							- 1			1			i	
	5.4	9L 1.2	651 2 2	PCM 20	5		-	LS							^ ^
Ī					 		T4	lrol i						1	u 4 4 .
}	- 1	4		I		4		— I					- 1		A15 A24 A35
		ļ			!	1		_						•	15 24 35
F	5 4	9L 1.2	651 2 2	KN 2 0 P	 Y]				Δ	a_ .		,	15 24 35
, [5 4 8 I	9L 1,2	65 L 2 2	PCM 2.0			- [PΥ	x, x	x.		¹ 34	∆ ₂₉	•	15 24 35
PS -	8	65L 2. I	65 L 20	9L 40	1			PY PY	× _{IO} ×	'12 [*] 11 '	^30 ·	³ 34	[∆] 29		15 24 35
₽S	8 5	65L 2.1	65 L 20	9L 40	9L 24		т2	PY PY BS	_	— × ₃₂	∆ ₃₀	¹ 34	∆ ₂₉		15 24 35
PS -	8 J 8 5 0 3	65L 2.1 9L 12 9L 12	65 L 2 O 9 L I I 9 L I I	9L 40 • 38	91 2.4 1 65NL 4.0 1	· · · · · · · · · · · · · · · · · · ·		PY PY BS IM	_ ×	12	[∆] 30 '	¹ 34	₂₉		15 24 35
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590 998 1596 324 502 838 696 972 1085 612 722 874 1363 1835 2474 702 937 1086 259 437 708 132 224 325 838 874 1770 2385 3123 NO (10/10) **T3** T6 SP ONI BYP LKB 2908 4242 5966 06, 08, 92, 998 1 596 8 8 8 ٥ × x x x | 165 324 402 226 300 435 2 | 30 44 57 277 274 286 6 | 115 347 419 947 911 1011 13 | 18 56 84 139 223 287 2 52 104 110 X₁₂ X₂₃ X₃₀ 90 43 X100 X110 2019 X X S 76 '80 589 1708 ₽T₩ Ø 06, 100 90 76 ' 80 7.7 328 2000 3271 4897 928 1214 1699 1305 2124 320 981 1622 2463 2007 2589 239 522 746, 754 1615 2012 2300 1003 1350 1426 4541 5591 GT68 1435 1623 1955 3127 4030 4895 2425 3093 3809 745 1212 1837 210 299 471 548 940 1414 416 716 1089 06, 08, 94, X2 XB 6595 9106 11810 4825 6721 8687 6 6 6 K 90 × × × X3 X9 X3 X9 X2 X9 52 104 110 X₁₂ X₂₃ X₃₀ X₁ X₃ X₉ X₁ X₃ X₉ X73 ×100 X110 06, 08, 92, X 2 XB SB 13 76 990 990 9 493 12663 16410 3095 3882 4908 4 X₁ X₃ X₉ X₇ X₇₃ X₁₀₀ X₁₁₀ 76 180 190 176 180 190 202 7 74 92 182 910 946 468 590 159 1 19 1121 1314 HW 5L 40 RW 51.42 L 651 23
HW 62 45 PL5L 62
BFP 136 PKY 9L 24 PL6SL 23
LK89L 58 PKY 9L 22 PL6SL 23
HW 9L 22 PL6SL 23 63L 64 63L 25 8W63L 7 "GSNL 66 NNBSBP5S 4 db qp I X TO TAL TRANSMISSION SUSTEM & LOSS (4 b) Z d M 5L 46 M 65L 2.5 GRAND SUB SECTION OF TRANSMISSION CIRCUIT 5 P NL 4 4 X X (KK) 10 T B ONI H M L KB SW SW # # D F TIUDRID LARBNES

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TOTAL 612 645 1165 5469 6660 9915 1162 1102 1585 4 307

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DESTINATION AND OF OF OF CHARLE NO CHARLET NO.54 TRANSMISSION SUSTEM & LOSS (4 b) ₽Ø 96, 08, 92, 206 5 40 92 ₩ O 76 08 90 226 277 \$ £ 125 207 236 3302 173 217 205 29 641 594 1437 112 27 29 49 1048 1076 2038 141 ₽\$ 76 80 90 X 34 × 64 × BZ 34 386 06, 08, 92, S N 34 166 SS 131 183 216 42 476 482 1004 140 182 0751 678 207 236 302 840 추🍳 4 db 6 db TOTAL TRANSMISSION SUSTEM & LOSS (d b) ž SUB GRAND MOEM SECTION OF TRANSMISSION CIRCUIT ₽# **S** S ? LOSS 9 <u>0</u> 8 P A DESCRIPTION OF FIG. 10 OF FIG.

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6 9 NO (4/5) 06, 08, 92, , 76 , 80 , 90 T6 SKV -- 215 254 SKV -- A 29 A 394 ... -- X 140 X 252 ... PKN PKN CP 0N-2 BUPLKB 2 · ₹ 8 S ŝ C P 25 g Δ96 Δ146 Δ176 Δ22 Δ30 Δ38 X32 X54 X102 Δ48 Δ48 Δ56 X268X200 X 276 A36 A 39 A 18 X20 — X 38 — A 10 A 31 — X 28 X 98 — A 24 A 39 — A 24 A 39 — A 24 A 39 A 20 A 17 A 22 X 70 X 50 X 92 06, 08, 92, — △ 26 △ 36 — △ 42 △ 45 X₁₃ X 25 X 35 X 2 X 3 X 5 - X 22 X BO XIX X 23 X 9 36 A 48 A 32 2 × MM.SP ፮. × N M 06, 08, 92, 159 ° 174 ° 215 ∆ 22 △ 21 △ 30 X112 X 82 X 192 Δ26 Δ34 Δ33 — — X 50 X15 X 28 X 40 -HM.KC Š ¥ 1 Š A 35 A 41 A 26 X28 X26 X 46 ^28 ^33 ^49 X88 Xi22 X266 76 80 90 X 30 XI2 X23 ASD OSV⊕-ASD 76 | 160 | 90 | 76 | 160 | 90 | 76 | 160 | 90 | 176 | 160 | 90 | 176 | 160 | 90 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 176 | 17 X23 X 34 0 Ξ - X 28 X 98 - 24 6 39 - X 40 X 148 - X 40 X 148 - X 52 A 35 A 49 A 28 A 33 A 49 X 88 X 122 X 266 X 88 X 122 X 266 20 17 22 70 X 50 X 92 23 4 1 A 26 35 A 1 A 26 X 28 X 26 X 48 X 28 X 26 X 48 36 A 48 A 32 X 11 X 23 X 34 X12 X 23 X 30 28 159 172 215 \$\triangle 22 \triangle 212 \triangle 30 \triangle 31 \triangle 32 \triangle 31 \triangle 31 \triangle 32 \triangle 31 \triangle 32 \triangle 31 \triangle 31 \triangle 32 \tr A36 A 39 A 18 X30 X 58 X30 X 58 X30 X 58 A26 A 34 A 33 X 11 X 23 X 34 Y - X140 X 252 1,215.254 — △ 29 △ 39 A96 △146 △ 176 7 X X X 9 X12 X23 X 30 X2 X 3 X 5 A 26 A 36 - △ 42△ 45 11 X 23 X34 Q2 ~ **⊕**800 5L 37 SWP PCM 2.0 PKN 9L 2 6 1 8 PS 65L2L 65L 4 4 1 0N² PCM 2.0 PKN 9L 2.6 1 3NL 62 MM65L 27 5L 40 5NL 68 5NL 65L 44 N 9L 2 6 BYPPCM 20PKN 9L 26 LKBPCM 20 9L 26 PL5L 38MM 9L 17 5NL PK N 65L 4 6 65L 4 6 SKV SNL 53 PKN 65L 46 51. 3.2 5NL 53 65L 4 6 CP 51 5 3 5NL 9 0 651. 44 C9L 19 HM.9L 25 MM 5NL 68 5NL 53 65L 4.3 9L 12 BN 9L 1 1PKN 9L 24 CP SNL 90 BN 65L 34PKN 65L 4.4 KC 65 L 34PM 65L 4.3 65L 21 BN 65L 2.0 PKN 65L 4.4 9L 34 65L 44 65NL 9 3 9NL 44 TRANSMISSION SUSTEM & LOSS (d b) BN9L 13PKN 65L ASD ASP 65NL 53 65L 34 65L 44 65L 20 51, 34 651, 2.6 5L 4.0 E SECTION OF TRANSMISSION CIRCUIT 65L 21 SMP 9L 7 3.7 6.2 6.2 6.2 2.7 4.0 6.8 5 53 22 22 57 9 က္ဆ 97 9 6.8 9 97 885 (PL) 0 N - 2 PKN I-NO . . » S SMP ВүР SPB • 20 .≅ ASD SX< ΡĶΧ • ٠ ž S 15 ANDEM CIND 13 EXSECTIVE TIUDRID TIUDAID GENERAL

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DESTINATION TAN K IND OFFICE DES OF 17 ON TIUDRID GENERAL NO (1/2) LP I NNN LS NNWW DM BK BCH PK RID SDM 06, 08, 92, 06, 08, 32, 06, 08, 32, 06, 08, 32, 103 10,5 0 7 9 9.8 9 0 6 8.3 7.7 651.30 PCM 2.0 91.2.7 KG PCM 2.0 651 30 PCM 2 0 81 2 5 65N.3.0|PCM 2.0 | 91. 3.1 65M59 PCM 2 0 WB 65NL 5.9 65L 2.2 65NL 5.9 5NL 5. 65 L 30 PCM 2.0 65NL59 9L 2 4 65NL 5.9 65L 3. 65NL5,9 65L 3 65NL 59 65L 2 GSNLS.9PCM 65N159 PY 65 NL 3.9 76 80 90 T2 T4 90, 80 ASD , 26 ASD 150 ∞ 06, TE(HM KC 180 76 TITS TS T7 HM KC x₂₁ × 68 \ 33 - x 90 \ 138 A32 A 43 A 53 X177 X 474 X 08 - X 17 X 37 - X 13 X 22 - X 47 X 68 X 6 X 17 X 25 129 228 222 017 030 041 - × 90 × 38 X 20 X 59 X 89 A 35 A 49 A 60 X 78 X 92 X 92 X 28 X 76 X 17 - - - X 12 - - X 10 X 35 - - - X 23 - - - X 20 - - - X 20 190 X 54 Y 52 284 X 08 X 30 5 X 68 X14 X13 369 8 - X43 X 96 40 66 A 26 A 49 A 46 - × 30 × 60 9 ,80 2 5NL 6 2 5NL 5NL 6 2 W 9L 09^L 5L 35 X 5L 28 5L 35 X 9L 09 5L 35 X 9L 09 6L 35 X 51.37 51.35 3.5 SNL 6 2 SNL 5L 35 51 37 51.37 · 5L 37 5NL 6 2 5L 35 5NL 62 51 35 56 35 51. 35 5L 35 51 37 8 LOSS (d b) 집 3 SKV5NL 53 51 37 5NL 53 W5NL 2 9 94 1,7MM 54 36 651 1.8 5NL 5 3 5L 37 65L 23 51.5.1 5L 40 K 65L 21 65NL34K 165L 23 51 30 65131 · 51 28 65131 · 91 09 651 20 SNF 5 1/2 3, TRANSMISSION SUSTEM C 5L 3.15W 9t. 1 7^{SW} 65L31 SECTION OF TRANSMISSION CIRCUIT 9NL4 3 PCM 20 ٥ S KEND TAMBESTHATION LOSS
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DESTINATIONTAN KIND DESK DF OFFICE NO CINCUIT NO 73 TIUDRID GENERAL NO (1/2) CP CPTKE BN PS SMP ON-2 PKN TOTAL 6 9 0 TRANSMISSION SUSTEM & LOSS (4 b) 2 8 8 65L > SMP SNL30 KNDL 38 5L 16 KNSL 5L 2 2 PKN 5NL38 91.21 5NL 30^{CP} 5NL 38^{CP} 5NL 3.8 5L 3.9 51 22 5NL 39 06, 176 '80 , 76 , 80 , 90 06, 08, 92, CP TKE BN 9N-2 PS SMP ° G 96 - A75 A95 - X34 X52 - X140 X164 X X X S 4 - X₄₀ X₅₉ - X₂₄ X₃₄ - X₁₇ X₅₄ ς Α > s S S 76 215 254 △ 29 △ 39 - X 61 X117 - X 90 X 38 - X₁₇₄X₁₆₆ - X₁₇₄X₁₆₆ - A 37A 47 - X 77X 86 - X 41 X 88 - X 43X 68 - X 18X 38 - X 48X 98 - X 10 - X140 X252 X 36 X 56 X 36 X 80 91,139 14×43 34 × 47 T 1 T2 T3 T 4. T5 T7 HMKC 125x 161 x -X 16 X 23 > ¥ S > × s SKV Ш 1 MM 5L 4 OF SNL 53 A 5L 4 OF SNL 53 K K 5L 3 5 65L 20 5NL 53 5NL 53 53 SNL 53 30 2.0 30 5.3 51 30 30 5NL 53 65L 20 3.5 (9 P) SSOT . 5NL 765L 2 8 5L PY65NL 5 3 L 5NL 0 65L 2 6 65L SL 9L 0 9 65L 9L 0 9 65L 91 13 651 ŝ 5. 5. 2 짆 2 5 5L 5 3 65L 2 8 65L 2 6 3 4 M65L 4 PL 51 37 65L 28 SPCM P 5L 37 5NL 29 56 35 9L 0.9 65L 26 PCM 2 0 65L 2 8 PCM 20 60 TE MS 656 18 Ø 5 NL Wb 21PY65L TRANSMISSION SUSTEM 2 65L 2 9 Se 551 2 0 M 5NL 5 1 755L 2 7 65L 2 9 9K9L 24 SECTION OF TRANSMISSION CIRCUIT 55, 20 7H 651 3.15 91 27 PCM 651 65L 65L Kjc₆₅L ¥ LOSS 9 9 2 10 0 58 10 9 8 8 11 0 10 S 7 3 0.0 > x s -TAN DESTRIATION DESTRICTION INC. OFFICE F PL MISC KTEST KK OBS aP PT¥ SS NN NWW DA WW A SP KK KK KK KK **□** [] • - 88 - 41 - 41 SON 80 80 84 84 84 5 BCH Ā æ X Š 5 100 KIND OF CACUIT CIRCUIT **GENERAL**

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NO (3/3) 06, 08, 92, T 7. 76 90 90 176 80 90 176 80 90 176 90 90 57 85 100 65 58 90 65 58 90 190 161 385 351 294 578 351 294 578 352 668 416 HMKC T2.T4 -T6 352 668 485 416 566 | 568 | 2989 | 1494 | 1506 | 2836 | 903 | 969 | 1836 | 247 | 247 - TI T3 28 MM O 2 2 8 0 0 TOTAL TRANSMISSION SUSTEM & LOSS (4 b) SUBTOTAL GRAND SECTION OF TRANSMISSION CIRCUIT ~ Pt KIND TAMOESTINATION LOSS OF DEN CHEST NO OFFICE TOTAL (MW) Σ Σ ANDEN 73

NO 77

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DESTINATIONTAN KIND DEN OF OFFICE NO CIRCUIT NO (1/2) LOSS 10.8 Б. Э 7 7 8 0 8 4 8 8 9 3 B 1055 (4 b) G V SUSTEM 1 03 65L 30 SNL 2.8 SNL 6.5 551 3.2 19NL 4.2 3NL 6.5 9NL 4.5 TRANSMISSION 91 0.7 NIN 9NL 34 PK.PTN H S x 30 X 50 X 56 - x 33 X 58 06, 08, 92, 130 285 е́х — .× ≥ 15 1 NN BS ž Z 88 ZZQ O g×z X21 X 50 X 23 X 47 X 14 X 44 X 14 X 44 X 13 X 58 X 23 X 58 X 47 X 37 X 7 1 X 66 X 59 X 98 80,00 X26 X31 X62 129 325 718 130 321 92, . § § XX. 06, 08, 92, × 9 172 180 349 5 18 18 24 X-43 - 39 - 41 19 28 243 242 290 825 3 3 3 A35 A40 A51 10 52 575 io X M 132 157 57 9 NWW D á KK OBS PL PL ASD S P S R 06, 08, 94, KK TEST 4 <u>.</u> 141 **Ø**B¥ 06, 08, 92, 113 102 115 157 6 141 132 _ ე⊗ 7-65L 2.9 9L 2 3 · 9L I 6 4 b 9 4 . 4 db X II d b .9NL 4 TOTAL B LOSS (d b) 16. 왕 2 1 ·91 님 ž 96 2 1 91 91 23 PY 9NL 57 TOTOL GRAND SUB ಕ ಕ Š ಕ 9 9 9 링 占 TRANSMISSION SUSTEM CSNL 58 9 W 651 26 65NL 58 SR 51 64 65L 32 16 KK 65L 32 SECTION OF TRANSMISSION CIRCUIT 91, 21 **GSNL** 9 7 3 ST PCM ~ NWWb o N₩b 2440 90 WW N M M N 8 52 9 B 9 8 5 5 5 9 8 õ 97 (M M M) LSM85 KK OBS SKV SKV TH PTW **KKTEST** 8 CIRCUIT EXSECTIVE MDEL 4 TIUDAID G ENERAL

DESTINATIONTAN KIND OFFICE NO GRADIT NO 79 NO (1/2) 1018 101AL & LOSS (d·b) SUSTEM TRANSMISSION 6 176 낅 06, 08, 92, 품수 1.80 1.90 83 76 76 180 190 7 - 115 155 | - - - 15 A17 | X2 X 5 X 8 9 × -- X 22 - 041 062 - X 25 - - X 10 - - 041 A 39 9 24 42 83 439 430 83 439 430 25 X 7 X 15 X 26 X 7 X 15 X 26 27 - - - X 1 5 X 26 9 140 197 83 200 268 9 37 289 5 21 29 18 x 11 x -783 90 - A 20 - A22 - A21 2 106 398 İ A 1 A 39 - x - 1 - x 16 - x 29 - x 29 - x 20 - x 10 X X 9 140 197 83 200 268 9 37 289 5 21 29 x 11 X31 -× 9 14 783 398 8 || 6 ı 90 ∾⊗ 651 2 9 91 3 2 91 2 5 PKN 20 91 2.7 - 4 d bCCI A 6 d b X 1 1 d b 27 TOTAL & LOSS (d b) 9 N. 20 9 L 20 9 L 34 96 9 N. 9 NL 20 9L 20 9L 20.91 91 9L 1.7 (5)9L 3.2 9L SS ANI A A (DCM 209L 2 0 9 L 9 N.L 2091 2 0 SUB (83) 9L TRANSMISSION SUSTEM 5 L 30 9L 9 L 1.4 9L 65 L 2 8 · 9 L 65 L 3 8 9 L N N 65 L 2 O SECTION OF TRANSMISSION CIRCUIT 9NL 4,7 5NL 44 9NL 4.7 PIWSNL S. . 9NL 65M ¥oe ~ ~ 8.0 TAM DESTINATION LOSS DEM OFFICE TOTAL 8 6 4 7 47 106 9.7 PTW 9 PTW 8 ASD SKY SKY KKTEST LP2 LP1 PKN ≅ X S LS S Š (RID) Ľ, ANDE IN KIND OF 4 CIRCUIT G E NE R A L EXSECTIVE

SECTION OF TRANSMISSION CIRCUIT		တ		a							NO (4/2)
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DESTINATION TAN KIND NO 85 GENERAL CIRCUIT NO (2/3) **4 4** 4 PTNTKE **≱** X X A SS ž 101 TOTAL 7.3 4.9 B LOSS (d·b) TRANSMISSION SUSTEM O. 9 WWW 65NL 6.5 NWW b 65L 3.2 1829. ₹⊗ 90, ×KE PTNTKE ñ 80 165 NWW TKE NWW NN BS 176 ž X 44 X 58 76 / 80 / 90 × 30 - X39 X56 罰 90 × Z ×33 8 89 QPK Æ £ ۲ 06, 08, 92, 20, 68, — - 89 103 - A22 A23 - A 27 A 37 - 25 3B — × 10 — 531 A 41 × PK 7 ₹ X £ × 34 -- A48 A 59 ¥ — △25 △35 - A 20 A 30 268 136 268 ¥. ¥ 6 × 8 × 1 -× 7 × 15 5 ×°°× 88 İ 8 4 8 4 380 Was O 1 I - X 16 X 23 - A 4B A 59 - A 10 - A 31 A 41 - 89 · 103 A X : × 76 / 80 / 90 25 39 -- ^25 A 35 12 표 없 없 이 532 × Δ 30 l × 돌일등 8 ! - 25 39 - X 16 X 23 - 48 A 59 - X 10 - A 1 A 41 - A 25 A 35 - A 20 A 30 × Δ 43 — △26 △ 37 — × 10 × 16 06, 08, 92, - A22 A 23 - 89 103 - X 34 3 X 9 | x s x | Ŋ 4 568 36 57 \ \ \ 1 2 4 202 20 380 × 1 ನ⊗ LSPCM 2 0 20 % 94 2.9 PCM 20 PCM 2.0 20 PCM 2 0 PCM 2.0 90, 29 . 9NL 83 3.2 9 2.9 91 29 TRANSMISSION SUSTEM & LOSS (4 b) TOTAL 490 A 6db X 11db 외질 18 38 18 옷 동 1.7 9L 32 2 1 2 1 91 32 TOTAL GRAND PKW SUB No. ş 981 ရ SECTION OF TRANSMISSION CIRCUIT SNI S 1 ģ 폿 LOSS 3.1 20 - 1 64 20 78 20 81 ? -6 2 0 20 83 78 (NTG) ΡΝ TAN DESTINATION I LS SPS KKTEST a ¥ KKOBS LSWISC SIS 3 X 4 3 8 Ν 9 12 MOEN T 4 OF OF CIRCUIT EXSELTIVE е в и в в и г

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160N NO (11/11) 76 /80 76 '80 '90 06, 08, 92, 76 90 90 20 76 80 90 g 0 76 '80 '90 BK⊤ 0 90 190 92, 움 X36 X 30 X 73 X10 — X 23 — X 30 X 52 — — X 29 X 52 76 '80 '90 - x 13 X 33 185 230 223 A 20 A 25 A 24 A 45 A 46 A 67 303 267 877 842 956 1518 X 18 X 13 X 3 × × 2 X 22 X x 12 x X II X 24 X x 01 x 6 X 76 X61 248 271 327 356 35 45 282 X 2 X . X 2 X 8 <u>6</u> 47 4 232 **∓e** BUTGSNL 39 ы ы ы 3.3 33 BUTESNL 33 • 4 db X 11db 33 10 33 10 K TRANSMISSION SUSTEM & LOSS (4 b) 9NL 3 됭 JN6 9NL 9NL 킮 GRAND TOTAL 8 9 N.L 2.BTH 20TH SR 5NL 48TH 165L 22FHW5L 38 TW5L 28 KK 65L 30 S 5L 26 KK 65L 30 K 65NL 63 P65L 3 1PY · 20 PY · 20 - 5L 30 SW 5L 47 A · 26 SW · 49 KK 9L 18 KK65NL63 18 5W 9L 15 42 PKN 20 18 65L 31 PKN 20 5W 5L 49 KK 9L 16 3 15W. 5L 47 ASD 3,5PL 9L 0.95W65L 3 1 GENL39BC 9NL 3.0 SW 5L 47 KK-65NL63 S UB Total 9L 118565L 2.2PY PCM . WS60 SECTION OF TRANSMISSION CIRCUIT PLGSL 91.194125 65t 03-15t -9t 25 65t 2 정 ¥ 인 분 ? 8 6 8 01 8 0 6 8 3 6 6 1038 93 8.2 108 9.9 (DK) Α OFFICE HW SPS BUT TUE BC PSR CHW 2 0 p M DCM EXSECTIVE EXSECTIVE 13 ê è GENERAL TIUDAID

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D. ケーブル対数決定資料

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& CONDUCTOR DIAMETER DETERMINING DATA OF CABLE PAIRS

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			•	AT ,90	742	(97)	194	210	338	1492	348	1 144			
	6	2		CÁBLES	600 P					I					
o	, γ Σ	"	EXISTING	PAIRS	600			300	300	1	-]			
	, -			PAIRS	0 + 500				0+38	1200+0		801+343			
-			INCREASING	CABLES						1200.65ASP			-		-
				co ILS								800P	_		

Ĺ														NO. 4
	SECTION			CONDU	DUCTOR	DIAMETER	0	mm 6	"	·	0 65mm	*		0 5mm
S. O.	NAME	—	≅	TOTAL PAIRS	P.C M (SYSTEMS)	P C M	N L PAIRS	L PA!RS	TOTAL PAIRS	N L PAIRS	PAIRS	TOTAL PA!RS	N.L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, 80	153		_	ļ	153	2 074	1 486	588			
		-	AT 90	229	1		ı	229	2 406	1 671	735			
	3 3 3 8	EXISTANG	CABLES	300 P					900P					
0) 2 3 4	PAIRS	2 00	-	-		200	2 100	1 490	019			
`		,	PAIRS				_				0 + 125			
		INCREASING	CABLES											,
			\$7100							:				
	,	NUMBER OF C	CIRCUIT, AT									778	553	225
	-	*	AT 90									1 122	780	342
	₩₩ 	EXISTING	CABLES									1 200P		
=	1		PAIRS									1 2 0 0	800	400
			PAIRS											
		INCREASING	CABLES											-
			COILS											
		NUMBER OF C	CIRCUIT, BO									1602	827	775
		•	,90									2321	1 179	1 142
	sw - TC	() () () () () () () () () ()	CABLES									ı		
22	(3 - 43)	981	PAIRS		-							ı	1	1
	-	<u>'</u>	PAIRS									800 + 600		775+367
		INCREASING	CABLES									1800.5ASP		·
			CO 1LS											800P
	CLEON					l		1						

)

															NO. 5
	SECTIO	z			CONDUCTOR	CTOR	DIAME	TER 0	₩#6	"		0 65mm	•		O 5 mm
2	NAM	Ш	⊢	Σ	TOTAL Pairs	P.C M (SYSTEMS)	P C.M	N L PAIRS	PAIRS	TOTAL PAIRS	N . L PAIRS	PAIRS	TOTAL	N.L PAIRS	PAIRS
			NUMBER OF C	CIRCUIT, AT	446	(21)	42	68	336	1 037	647				
			4	AT ,90	494	(34)	68	7.3	353	1 8 1 4	1 046	768			
	P .	≻	S I F S I X E	CABLES	d009					1 200P					
<u>_</u>	4)	9		PAIRS	009	1	1	522	325	2 400	1 100	1 300			
 · ·				PAIRS											
"		-	INCREASING	CABLES											
 		_		COILS											
			NUMBER OF (CIRCUIT, AT	479	(46)	92	47	340	1 180	369	8 11	2 2 2 2	729	1563
	_		*	90,	733	(53)	901	7.5	552	1 865	646	1219	2 899	1046	1853
	P L I	X	FXIXING	CABLES	6 0 0 P					900e			1 800P		
<u>-</u>	4	7)		PAIRS	6 00	1	l	I	009	1 800	0011	2 00	1 800	1 800	1
				PAIRS	0 + 200							111+408	0 + 0081		
			INCREASING	CABLES									1800.5ASP		
				COILS								2 00 P			1 600P
	·		NUMBER OF C	CIRCUIT,80	292	l	l	4	284	324	I	324	1 839	357	1 482
			*	,90	3 6	1	ı	4	312	373		373	1 769	405	1364
	ا د د	<u>د</u> د		CABLES	300P					9006			1 500 P		
5	1	(8	9 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	PAIRS	3 00	1	1	1	300	006	I	00 6	1 500	009	006
				PAIRS											
			INCREASING	CABLES											
	- ×			co ILS			. ,								
		NOTES	THICK	CHARACTER - INCREASING	- INCOEAC	27 20 47 214	ď	007 24 0 1100			1				

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

Ŀ														_	NO. 6
-	S	ECTION			CONDU	NDUCTOR	DIAME	TER O.	вш б	"		0 65 шш	"		0.5 mm
NO.	o	NAME	H .	∑	TOTAL Pairs	P.C.M (SYSTEMS	P C.M	N.L PAIRS	L PAIRS	TOTAL PAIRS	N.L' PAIRS	L PAIRS	TOTAL	N L PAIRS	L PAIRS
ene.	·		NUMBER OF C	CIRCUIT, 80						382	4	378	2 260	1 646	614
- ;		 	,	TA .						656	4	652	3 398	2 461	937
· .	-	PL - SKV	EXISTING	CABLES						J			1		
9	· · ·	(4 - 39)		PAIRS							J	J	I	J	1
		,		PAIRS									0 + 3 300		0 + 1000
			INCREASING	CABLES									1800.5 ASP		
	*	ر 2	*	COILS											
	-		NUMBER OF C	CIRCUIT, 80	292	-	J	4	284	706	4	702	2 260	1 646	614
		•	2	,90°	316		1	4	312	1 029	4	1025	3 398	2 461	937
		PL - SKV	EXISTING	CABLES	300P					900P			-		
1.7		(4 - 39)		PAIRS	300	1]	1	300	006	1	00 6		1	-1
				PAIRS									0 + 3300		0 + 1000
	*	4	INCREASING	CABLES									1800.5ASP 1500, 5ASP		
, <u> </u>	^	7 % + - %		COILS											
_	_		NUMBER OF C	CIRCUIT,80						381	381	1			
			•	AT 90						541	541	1			
		CP - SKV	0 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1 2 1	CABLES			_			1					
<u> </u>	_	(8 - 39)	981	PAIRS								[
			1	PAIRS					 			<u>-</u>		-	
			INCREASING	CABLES											
	$\hat{-}$	ю ×		co ILS											
		NOTES	THICK	CHARACTER	ONIONIONI	OU TO ON	١	30, 20							

														NO. 7
	SECTION			CONDUCTOR	CTOR		TER	mm 6.0	"		0.65	•		0.5 mm
O.	NAME	- -	ш Ж	TOTAL Pairs	P.C.M SYSTEMS	P.C.M PAIRS	N.L PAIRS	L PA!RS	TOTAL PAIRS	N.L PAIRS	L PAIRS	TOTAL	N.L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, AT	262	1		4	284	7 05	381	324	1 839	357	1482
·-		4	AT ,90	3 6		l	4	312	914	541	373	1 769	405	1364
	CP - SKV	EXISTING	CABLES	3 00 P					400 6		:	1 500 P		-
σ	(8 - 39)		PAIRS	3 0 0		-		300	006	1	006	1 500	009	900
2			PAIRS											
	ю * + *	INCREASING	CABLES											
			STIOO											
		NUMBER OF C	CIRCUIT, AT	321		ı	4	3 - 7	594	239	355	821	178	643
		:	A+ 90,	546	1	1	4	542	1 206	420	786	1 334	328	1 006
	PL - MM	EXISTING	CABLES	6 00 P					600P			900P (065)		
20	(4 - 9)		PAIRS	009		1	I	600	600	270	330	006	250	650
	3 NM - 10)		PAIRS		-				009 + 0		25 + 431	009 + 0		0 + 350
	G www - T L Y	INCREASING	CABLES						600.65 ASP			600.5ASP		
			COILS								1001			
		NUMBER OF C	CIRCUIT,80	321	ļ	1	4	317	594	239	355	821	178	643
		*	AT '90	546	1		4	542	1 206	420	786	1 334	328	0
	≥ 1	ONIFO	CABLES	300P	<u> </u>				6 00 P			900P		
2	4 [PAIRS	300	1	ı	ı	300	6 00	270	330	006	250	650
	(MM.b -MM)		PAIRS	0 + 300				0 +225	0 + 600		25+431	009 + 0		0+356
		INCREASING	CABLES	300.9 ASP					600.65ASP			600. 5ASP		
			CO ILS								100P			

L														NO. 8
	SECTION			CONDUCTOR	CTOR	DIAMETER	TER 0	em 6	4		O 65mm	*		0 5 mm
N O	NAME	- -	E M	TOTAL PAIRS	P.C.M SYSTEMS	P.C.M PAIRS	N.L PAIRS	L PAIRS	TOTAL PAIRS	N . L PAIRS	PAIRS	TOTAL PAIRS	N.L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, AT	909	1	1	22	584	1 424	1 64	1 260			
		*	AT ,	8 2 5		l	34	162	2 609	348	2 261			
	PL H	EXISTING	CABLES	İ										
22	(4 - 35)		PAIRS			1	l		_		1			
			PAIRS	600 + 300				584+207	1200+1200		100+1000			
		INCREASING	CABLES	600.9ASP	300.9ASP				1200.65ASP	1200.65ASP	gl			
			COILS					600P			- 100P			
•		NUMBER OF C	CIRCUIT, AT									2 491	759	1732
			AT 90			-						3 306	1 185	2 121
	PL - ASD	EXISTING	CABLES				_							
23	(4 - 37)		PAIRS											1
,	,		PAIRS									3 300		732+389
- Na	·	INCREASING	CABLES									1800.5ASP 1500.5ASP		
			COILS											- 200 P 600 P
		NUMBER OF C	CIRCUIT AT									1 195	1 047	148
		•	AT 90,									2 204	906 1	298
	PL - PTW	FXISTING	CABLES									1		
24	(4 1 34)		PAIRS							· · · · · ·		1	ı	J
•			PAIRS			_						1200+1100		48+150
		INCREASING	CABLES									1200.5ASP	200.5ASP	
			CO ILS								_			200P
	SETON	, , ,									1			

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L														8 ON
	SECTION			CONDUCTOR	сток	DIAME	TER 0	9 mm	*		0 65""			0.5mm
Š.	NAME	- -	Σ	TOTAL	P C.M	P.C.M	N L PAIRS	PAIRS	TOTAL	N . L PAIRS	L PAIRS	TOTAL	N.L DAIDS	L L
		NUMBER OF C	CIRCUIT, AT	1 483	(2)	142	160	8 -	63	- 1 6	1 530		1 1	2
-		"	AT ,90	2 257	(95)	184	245	1 833	2 918	207	2 734			
:	P L - PKN	N FRIXE	CABLES	600P(PKN-CP) 300P(CP-PL)				-	200P(CP-MM	(q t				
25	(4 - 45)		PAIRS	600 (PKN-CP) 300 (CP - PL)			001	300	200(CP-MM.b)	(a	1 200			
			PAIRS						1 200+600		319H 192			
		INCREASING	CABLES	600.9 PEF-I	PEF-P(PKN-PL)	600.9ASP(PKN-PL	PKN-PL	500P	1 200.65ASRPKN-PL)	(PKN-PL)	4006	Existing	Cable 300	9ASP
	****		COILS	600, 9 PEF-P(PKN- PL 600, 9 ASP (CP - PL)	(PKN-PL)			200P	1 200 65 ASP(PL:MMB)	YPL:MMb)	- 200F	Use to	CP- PL	
		NUMBER OF C	CIRCUIT, AT	569	I			569	.	785	869			
<u> </u>		•	AT 90	825	1	1	1	825	2 356	900 1	1 350			
	H H KK	SN-TRIXE	CABLES	400P 550P					 					
56	(5 - 7)		PAIRS	200 550	1	-	ı	200	2 100	006	1 200			
			PAIRS	001+0				001+0			0 + 150			
		INCREASING	CABLES	100. 9ASP										
			COILS											
		NUMBER OF C	CIRCUIT,80	712	1	ı	102	610				672	230	442
		•	AT 90,	1080	-	ı	- 83	897				1 286	643	643
	1 H H BC	ON-	CABLES	600P 600P										
27	-		PAIRS	1200	_	J	000 -	200					ı	!
)		PAIRS				- KO	210+287				1 500		442+215
		INCREASING	CABLES								_=_	1500.5ASP		
			co ILS					300P				-		300 P
		0.1					1							

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

Ĺ														NO.10
·	SECTION			CONDUCTOR	CTOR	DIAME	TER 0	9 mm	"		0 65mm	1		0.5mm
Ö.	NAME	⊢	E	TOTAL PAIRS	P C M	P C.M	N L PAIRS	L PAIRS	TOTAL	N L PAIRS	L PAIRS	TOTA L PAIRS	N.L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, 80						657	125	532			
		"	AT 90,						1028	225	803			
	BC - PSR	EXISTING	CABLES											
28	(16 - 30)		PAIRS							1	1			
-			PAIRS						1 200		532+271			
		INCREASING	CABLES						1200.65ASP					
			co I Ls	:							600P			
		NUMBER OF C	CIRCUIT, AT	203	(33)	99	74	63						
		,	,90	366	(41)	82	00 -	184			-			
	TH MSK	SX I X II	CABLES	2 0 0 P										
29	(5 - 46)		PAIRS	200]	1		200						
			PAIRS	0 + 200										
		INCREASING	CABLES	200.9ASP	(BC-MSK)									
			COILS											
		NUMBER OF C	CIRCUIT, 80	59	(10)	20	-8	12						
		•	AT '90	115	(13)	26	20	69						
20	M S K I N K	ON L	CABLES	200P										
}	(46 — 28)		PAIRS	200	1	í	ı	200						
			PAIRS										-	
		INCREASING	CABLES											
			co ILS											
	AL HOLE				-		1	-				_	_	_

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

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														No. =
	SECTION			CONDUCTOR	TOR	DIAMETER	0	em 6	1		0 65mm	"		O 5 mm
2	NAME	_ ⊦ ~	Σ	TOTAL Pairs	P C.M SYSTEMS	P.C.M	N.L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	PAIRS	TOTAL PAIRS	N L PAIRS	L PAIRS
		NUMBER OF C	CIRCUIT, 80	5.4	(6)	8 -	20	91						
		''	AT 90,	1 18	(16)	32	3+	55						
	OP I LAP		CABLES											
m	(49 - 12)		PAIRS	1	J		1	!						
			PAIRS	0 + 150										
		INCREASING	CABLES	150.9PEP-P										
			c0 1 LS											
		NUMBER OF (CIRCUIT, AT	161	(15)	30	67	9 4	i					
		"	7 A 7	424	(18)	36	ю 	275						
	P D O K	SN-TS1XE	CABLES	50P										
32	(12 - 17)		PAIRS	200	(20)	40								
			PAIRS	0 + 400										
		INCREASING	CABLES											
			COILS			•								
-		NUMBER OF C	CIRCUIT AT						909	88	518			
		•	AT '90						1 206	163	1 043			
1	1	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	CABLES											
ç G			PAIRS						_	_	-			-
			PAIRS						0 + 1200		0+ 518 525			
		INCREASING	CABLES					-10	600.65ASP 600.65ASP					
			co ILS					·						
	ON	NOTES : THICK	CHARACTER - INCREASING	- INCREAS	ING CABLES	ø	COILS AT '80.	BO. THICK	CHARACTER- INCREASING	ER - INCR	EASING C	CABLES AT	AT '90.	

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

L											1		_	NO. 12
	SECTION			CONDU	NDUCTOR	DIAME	TER 0	g mm	"		0 65 mm	,		0.5 mm
S O	NAME	-	E M	TOTAL PAIRS	P.C.M (SYSTEMS	P.C.M PAIRS	N L PAIRS	L PAIRS	TOTAL	N . L PAIRS	PAIRS	TOTAL	N L PAIRS	PAIRS
		NUMBER OF	CIRCUIT, AT	1209	(15)	30	67	9 4						
		4	AT 90	9681	(18)	36	113	275						
"	H I DK	SXISTING	CABLES	988 988 988	(PCM)									
ю 4	(5 - 17)		PAIRS	1 400		4 0	200	560						
	(TH-DKcst)		PAIRS											
	TH-PD cct	INCREASING	CABLES											
	- %		STIOO											
		NUMBER OF	CIRCUIT, AT	621	(6)	8 -	-8	522						
		2	, AT	1243	(91)	32	150	1901						
	I	EXISTING	CABLES	1										
35	(2)		PAIRS			1	1	ı						
	- 1		PAIRS											
	VIII BKI CCT	INCREASING	CABLES											
	κ ×		COILS											
		NUMBER OF C	CIRCUIT, 80	812	(24)	8 4	148	919				1 018	368	650
	H H O K	*	AT 90	1679	(34)	8 9	263	1348	F	TH-DK 間の回線	0回線	1 472	532	940
ti ti	(2 - 17)	EXISTING	CABLES	600 2000 900 P					<u> </u>	は,80以降に於て	ンダス			
))	TOTAL		PAIRS	1 400	(20)	40	8 00	560	æ	KT M' Seruice in	n i		1	
			PAIRS	0 + 300			S.	56+732	₩ <u>Ţ</u>	13 年に1500 SASP に表落す3	5 ASP	0 + 1500		0+840
	~ + - ×	INCREASING	CABLES	300.9ASP	-							1500. 5ASP		
	< -		co ILS					100P						
	OUTON									-				

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	l												Ž	NO. 13
	SECTION			CONDU	DUCTOR		TER 0	E E G	"		0.65mm	"		0 5 mm
8	NAME	-	ЕМ	TOTAL Pairs	P.C.M (SYSTEMS)	P C.M	N.L PAIRS	PAIRS	TOTAL PA!RS	N.L PAIRS	L PAIRS	TOTAL	N.L PAIRS	L PAIRS
		NUMBER OF C	CIRCUIT, AT						1			1 291	264	1 027
		4	AT 90,									2 420	513	1 907
· · ·	TH - CHW	SNITAIXE	CABLES									1		
1	1		PAIRS									i	I	1
ò))		PAIRS									1 500 +1 100		027+880
		INCREASING	CABLES									1500. 5ASP 1200.5ASP	1200.5ASF	
			COILS	-				•						1200P
		NUMBER OF	CIRCUIT, AT	792	(31)	62	64	999	006	5 2 3	377	621	194	427
			AT.	1127	(43)	86	0 -	- K 6	887	424	463	754	217	537
)))	EN I KI XII	CABLES	4 0 0P					1 100P					
38	۰ ۲ ا		PAIRS	4 00	1	1	001	300	006	360	540]	i	1
			PAIRS	600+200				366+265				006		427+110
		INCREASING	CABLES	600.9 PEF-P								900. 5ASP		
			COILS					400P						5005
		NUMBER OF C	CIRCUIT, BO						7 89	503	286	827	827	
		•	,90						1 1 12	725	387	1 495	1 459	36
i	₩ -	FYINT	CABLES			ï			9 00 P			1		
თ რ	(6 - 21)		PAIRS						006	009	300		1	1
			PA 1 RS						_			1 800		0+36
		INCREASING	CABLES									1800. 5 ASP		
			co ILS											
	NOTES	тніск	CHARACTER - INCREASING CABLES	- INCREAS	ING CABL	Ø	ILS AT'	30. THICH	COILS AT'80. THICK CHARACTER-INCREASING CABLES	ER- INCR	EASING	1	AT '90	

													_	NO. 14
·	SECTION			CONDUCTOR	CTOR	DIAMETER	TER 0	шш б	"		0 65mm	2		0.5 mm
Š.	NAME	-	E M	TOTAL Pairs	P.C.M (SYSTEMS	P C.M PAIRS	N L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	L PAIRS
_		NUMBER OF C	CIRCUIT, AT	650	I	1	09	590						
		4	AT ,90	825	1	J	60	765						
No. 14	NWW - NWW.b	O N i E o i > u	CABLES	J										
40	(15 - NWW. b)		PAIRS		J	1	ı	1						
		-	PAIRS	600+300				590+275						
-		INCREASING	CABLES	600 9ASP	300.9ASP									
			STIOO					600P						
		NUMBER OF CIRCUIT, 80	:IRCUIT, AT	507	ļ	J	49	458						
		"	AT '90	899	_	1	46	622						
	NWW.b - PY	FXISTING	CABLES	6009										
4	(NWW.b — 6)		PAIRS	009	1		2 00	4 00						
	•		PAIRS					58 +100						
		INCREASING	CABLES											
			57100			-		I 50F						
		NUMBER OF C	CIRCUIT, AT	143	1	ı	=	132						
		*	AT '90	181	i	I	41	143						
4	NWW.b - LS		CABLES	6 00P										
	(NWW. b - 33)	EXISTING	PAIRS	009	J	ı	2 00	400						
			PAIRS											
		INCREASING	CABLES											
			S71 00											

**

L				İ										NO 15
	SECTION			ᆲᅵ		DIAMETER	TER 0	EE 6	2		0 65mm	*		O.5mm
NO.	NAME	# -	ਬ	TOTAL PAIRS	P C.M (SYSTEMS	P C M PAIRS	N.L PAIRS	L PAIRS	TOTAL	N L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, 80	772		-	991	909						
		*	AT 90,	742	1	_	981	556						
	PY — BK	FXISTING	CABLES	300P 600P	PcM)									
4 63	(6 - 15)		PAIRS	9 00				300	-PbI &41.v7					
			PAIRS											
-··· <u>-</u>		INCREASING	CABLES											
			COILS											
		NUMBER OF C	CIRCUIT, AT	485	l		27	458	1187	202	985			
		*	,90	894	1	1	001	794	2 2 53	326	1927			
	I	FXISTING	CABLES	600P										
4	(6 — BS.b)		PAIRS	600			275	325	1	ı				
	from BS.NN		PAIRS											
		INCREASING	CABLES											
	- ×		COILS											
		NUMBER OF C	CIRCUIT, 80	4 0 1	I	ı	248	153						
		•	AT 90	711		1	403	308						
,	PY — BS.b	\ \frac{1}{2}	CABLES	550P										
1	(6 — BS.b)	5 N I I I I	PAIRS	550		1	250	300						•
	from SS.BP	<u>- </u>	PAIRS											
		INCREASING	CABLES											
	×. 2		co ILS											
	NOTES	. Turn	L F C & C & C & C & C & C & C & C & C & C			ŀ					1			

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

													~	NO. 16
مر ۱۹۹۰	SECTION			CONDU	DUCTOR	DIAMETER		0.9 mm	"		0 65mm	"		0 5mm
Š.	NAME	- 	Б	TOTAL PAIRS	P.C M (SYSTEMS	P.C.M PAIRS	N L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	PAIRS	TOTAL	N.L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, AT	886		į	275	<u>-</u> 9	1187	202	 			
-		4	AT 90,	1 605	1		503	1 102	2 253	326	1927			
	PY - BS b	EXISTING	CABLES	600P 550P										
4	(6 — BS.b)		PAIRS	1 150		1	5 2 5	625	1	1	i			
	TOTAL		PAIRS	0 + 500				158+336	1100 + 1200		985+942			
		INCREASING	CABLES	500 9ASP					1100.65ASP					
	×-+ ×-2		COILS					200 P			1 000 P			
· -		NUMBER OF C	CIRCUIT, AT	2 3 4 2		I	792	1 5 50						
		•	, AT ,90	4 386	ı	l	1 537	2849						
	1	EXISTING	CABLES	550P 600P 450P 600P		-								
47	(18 — BSb)		PAIRS	2 200		1	875	1 325						
			PAIRS	0 + 600			-	175+1299						
		INCREASING	CABLES											
			COILS					200P						
		NUMBER OF C	CIRCUIT AT	1 129	1	1	7.99	330						
		*	,90	2 142	1	1	1 465	677						
	BS. b - SS	N I N	CABLES	600P 600P										
8 8	(BS.b - 52)		PAIRS	1 200			006	300		-				
	1	1	PAIRS	0+ 600										
	sg-ss)	INCREASING	CABLES	600.9ASP 300.9ASP										
			CO 11.S											
												_		

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

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L													Ž	NO. 17
	SECTION			CONDUCTOR	CTOR	DIAME	TER 0	am 6	*		0 65mm	*		0.5 mm
Š Ö	NAME	□	W :	TOTAL PAIRS	P.C.M (SYSTEMS	P.C M PAIRS	N.L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	PAIRS
		NUMBER OF CI	CIRCUIT, AT	409	(36)	7.2	85	252						
		1	AT 90,	649	(58)	911	133	400						
	(6 - 33)	N T X L	CABLES	i	-									
4 9			PAIRS	1	_	ı		1						
	() S = T : d:etrice)		PAIRS											
<u> </u>		INCREASING	CABLES											
	× -	<u> </u>	STIOO											
		NUMBER OF C	CIRCUIT, AT	221	(30)	60	-5	9 4 1						
		1,	AT 90	4 3 1	(53)	58	27	346						
	7 ← 7 ← 7 ← 7 ← 7 ← 7 ← 7 ← 7 ← 7 ← 7 ←	FXISTING	CABLES											
20			PAIRS		I	-	1							
	(LS-T2 district)		PAIRS											
		INCREASING	CABLES											
	× ×		COILS											
		NUMBER OF CI	CIRCUIT,80	630	(99)	132	00-	398						
		*	AT 90,	0801	(28)	174	091	746						
	1	,	CABLES	-										
S	(6 6)		PAIRS	1	I	1	1	1						
	(LS-Tidistrict)		PAIRS	600 + 500			IN)	398+348						
		INCREASING	CABLES	600.9PEF-P	550.9ASP									
	X·I + X· 2		co ILS			_		400P		-				
	NOTES) () () () () () () () () () (1		-	

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

													ž	NO. 18
	SECTION			CONDUCTOR	стоя	DIAMETER	0	EE 6	"		0 65mm	2		0 5mm
Š.	. N A M E	 -	ы ≅	TOTAL Pairs	P.C M SYSTEMS	P C.M	N L PAIRS	L PAIRS	TOTAL	N.L PAIRS	PAIRS	TOTAL	N L	L
	•	NUMBER OF	CIRCUIT, 80	48	(22)		4							2
	P \	2	AT '90	72	(34)	6.8	4							
	(6' – 3	EXISTING	CABLES											
0			PAIRS											
	(LS~ [6 district]	=	PAIRS											
		INCREASING	CABLES											
	ю ×		57100											
		NUMBER OF C	CIRCUIT, AT	67	(21)	4 2		25			-			
<u> </u>	0 - 1 2		, 90	170	(34)	6.8		102						
	ו	EXISTING	CABLES											
53		1	PAIRS											
	(LS - Isaisfinct)		PAIRS											
		INCREASING	CABLES											
	*		COILS											
		NUMBER OF C	CIRCUIT, AT	66	(14)	28	147	24			-			
	PY — LS	•	A7 90	330	(61)	3.8	214	78						
54	(6 - 33)	O 1 1 2 1 2 1	CABLES											
	(S = T = 4:-4:-4:-4		PAIRS											
			PAIRS			 								
		INCREASING	CABLES											
	× 5		co ILS											
	NOTES	301AF	0010000							_				

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

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													Z	00. 19
_	SECTION			CONDU	DUCTOR	DIAMETER	TER 0	mm 6	"		0 65mm			O 5 mm
Š.	NAME	⊢	E ≅	TOTAL PAIRS	P.C.M.	P.C M	N L PAIRS	PAIRS	TOTAL PAIRS	N L PAIRS	PAIRS	TOTAL	N . L	L
		NUMBER OF C	CIRCUIT, AT		(14)		ı	<u> </u>			+			2
	PY — LS	4	AT 90,	4 4	(22)	44	1	J						
	(6 - 33)	FXISTING	CABLES											
55			PAIRS											
	(LS - Ts district)		PAIRS											
		INCREASING	CABLES											
	ж. б		COILS											
		NUMBER OF C	CIRCUIT, AT	342	(12)	142	151	4 9						
	S	z	AT 90,	919	(601)	2 1 8	218	180						
	יא 	N N N N	CABLES	-										
26		- 1	PAIRS	1		1	i	I						
	LS T3 district	- 1	PAIRS	009				49+131						
	S -	INCREASING	CABLES 6	600.9PEF-P										
	X3 + X·4+X5 + X6		COILS			<u> </u>		200P						
	1	NUMBER OF C	CIRCUIT, BO	270	(49)	96	4	- 68	773	4 66	307			
	;	•	,90	5 1 4	(64)	128	4	382	1056	634	422			
57	PY - ASD	- LO LA	CABLES	1	_									1
		2	PAIRS	İ						1	1			
			PAIRS	600				168+214	1200		307+115			
		INCREASING	CABLES 6	600.9 PEF-P					1200.65ASP					
			CO ILS	_	-			200P			300 P			
	NOTES)	ST FO SO SI				1			1	1		-	

													۷	NO 20
	SECTION			CONDU	CTOR		TER 0	9 mm	"		0 65mm			0.5 mm
Š.	NAME	<u> </u>	E W	TOTAL PAIRS	P C M	P C.M	N L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	PAIRS	TOTAL	N.L PAIRS	L
		NUMBER OF C	CIRCUIT, AT	296	(49)	86	4	194	724	142	582			
· · · · · ·		*	AT 90	497	(64)	128	4	369	206	172	735			
58	ASD - CP	FXISTING	CABLES						I					
	(37 — 8)		PAIRS			_	1	1		1				
-			PAIRS	600				194+175	006		582+153			
		INCREASING	CABLES	600.9PEF-P					900 9ASP					
			COILS					200P			600 P			
		NUMBER OF C	CIRCUIT, AT	220	(49)	98	4	118	276	4	272			
			A,	439	(64)	128	4	307	483	4	479			
Q V	CP PKN	EXISTING	CABLES						600 P					
9	(8 - 45)		PAIRS						009	001	200			
			PAIRS	600				118+189						
		INCREASING	CABLES	600.9PEF-P										
			COILS					200 P						
		NUMBER OF C	CIRCUIT, BD	290	(22)	44	4	242	2248	177	1 477			
		•	AT 90	4 26	(28)	56	4	366	3 965	1457	2 508			
Ç	БY — Р9	FXISTING	CABLES	300P	(PCM)				1					
) P	(6 - 42)		PAIRS	300				3 00						
			PAIRS					.,	2400+1200		1477+1031			
		INCREASING	CABLES						1200.65ASP	1200.65A\$P	ما			
			co ILS							-	500P			

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

Į													2	NO. 21
	SECTION			CONDUCTOR	CTOR	DIAMETER	٥	9 шш	"		0 65mm	"		0 5 mm
S. O.	NAME	— —	Σ	TOTAL Pairs	P.C M SYSTEMS	P.C.M.	N.L PAIRS	L PAIRS	TOTAL PAIRS	N . L PAIRS	L PAIRS	TOTAL	N L PAIRS	PAIRS
<u> </u>		NUMBER OF CI	CIRCUIT, AT	186	(%)	44	163	774						
		11	AT 90,	1546	(28)	56	284	1 206						
		SNITS:XE	CABLES	300 p	(PCM)									
<u> </u>	I		PAIRS	300				300						
	(42 - 31)		PAIRS	009+009			•	474+526						
		INCREASING	CABLES	600.9 AS P	600.9ASP									
			COILS					500P						
		NUMBER OF CI	CIRCUIT, AT	327	(22)	44	120	167						
		<i>t</i> ,	, 90	562	(28)	99	184	326						
		2 - - - - - - - -	CABLES	3 00 P	(PCM)									
62	LP2 KC		PAIRS	300							_			
	(31 - 20)		PAIRS	00 £ + 0				0+26						
		INCREASING	CABLES	300.9ASP										
			COILS		· .									
		NUMBER OF CI	CIRCUIT, BO									499	216	283
		•	,90									128	358	513
	PY — PTW		CABLES									ı		
63	(6 - 44)	באופ	PAIRS								-	l	1	I
			PAIRS									0 + 006		283+230
		INCREASING	CABLES								_6,	900.5ASP		
			co 1LS					-						300 P
	- C - C - C - C - C - C - C - C - C - C													

													_	NO.22
	SECTION			CONDUCTOR	CTOR	DIAMETER	rer o	mm 6	"		ე 65ოო	*	:	0.5 мш
N O	NAME	-	ω ω	TOTAL Pairs	P C M (SYSTEMS	P C M	N L PAIRS	L PAIRS	TOTAL PAIRS	N L PAIRS	L PAIRS	TOTAL	N.L PAIRS	L PAIRS
	-	NUMBER OF C	CIRCUIT, AT									657	657	ı
-	·	4	AT 90,									1 048	1048	ĵ
	WT - WS	ON LES X 5	CABLES											
64	(3 - 44)		PAIRS								:	1		1
-			PAIRS									0 + 0011		
		INCREASING	CABLES									1200.5 ASP		
			co I Ls											
		NUMBER OF C	CIRCUIT, AT									1206	723	483
····		4	1 A .									1867	1 205	662
	X H PTW	EYISTING	CABLES											
65			PAIRS											1
	(* +		PAIRŚ									1 800 + 0		483+179
		INCREASING	CABLES									1800.5ASP		
			COILS											500P
		NUMBER OF C	CIRCUIT, BO	340		ļ	961	44	1 650	1 299	351	106	323	578
		*	AT '90	586	1	ı	362	224	2 929	2 303	626	1 558	778	780
···.	ω 	SA FA	CABLES	600P					600P			900P		
99	(7 - 50)	281121	PAIRS	6 0 0				009	600	400	200	9 00	900	-
			PAIRS						1 200+1200		51+275	0 + 600		578+202
		INCREASING	CABLES						1200.65ASP1200.65ASP	1200.6545		600.5ASP		
			CO ILS											600 P
	NOTES	ES : THICK	CHARACTER - INCR	- INCREAS	EASING CABLES	Ø	COILS AT'80		THICK CHARACTER- INCREASING CABLES	ER-INCR	EASING		AT '90.	

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													<	NO. 23
<u> </u>	SECTION				UCTOR	DIAMET	TER 0	E E G	"		0 65mm	٠		0 5mm
õ	NAME	H -	E M	TOTAL PAIRS	P C M SYSTEMS	P C.M	N L PAIRS	L PA!RS	TOTAL PAIRS	N.L PAIRS	PAIRS	TOTAL PAIRS	N L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, AT	527	1	1	128	3 9 9						
		71	AT 90,	686	ı	1	318	615						
	% H & S	ON LY IX	CABLES	300P 600P										
29	6 0 0 0		PAIRS	900			009	300						
			PAIRS	I				99 + 216						
		INCREASING	CABLES											
			S7100					100P						
		NUMBER OF C	IRCUIT, AT	294			2 2 4	7.0	1					
		"	AT 90	699		1	4 10	1 4 9						
	MMN - MMN	ON I	CABLES	300P 600P										
68	o z z		PAIRS	006	1	1	200	290 400						
	(MMM - II)		PAIRS											
		INCREASING	CABLES			_								
			COILS											
		NUMBER OF C	CIRCUIT AT	652	I		182	4 70						
		*	AT 90,	1207	1	1	385	8 2 2						
=-	88 2	0 N - F 0 - X I	CABLES	3 00 P 6 00 P				290 400						
69	(51 — 18)		PAIRS	006										•
			PAIRS	00 + 0				0+132						
		INCREASING	CABLES	300.9ASP										
			CO ILS											
	SETON	701114		100011	1000	0 0			-					

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

		S S S S S S S S S S S S S S S S S S S	PAIRS CABLES COILS CIRCUITAT AT AT AT AT AT AT AT AT AT AT AT AT	EXISTING PAIRS INCREASING CABLES COILS NUMBER OF CIRCUITAGO EXISTING CABLES EXISTING CABLES EXISTING CABLES CABLES CABLES CABLES CABLES CABLES CABLES	SING CABL COLL COLL CABL COLL CABL NG CABL
1 498 333			1 073	OF CIRCUITY80 AT CABLES NG PAIRS PAIRS 1 073 1 498 1 200+0	NUMBER OF CIRCUIT 1073 1
1	1 498	1 1 200		OF CIRCUIT'80 AT CABLES NG PAIRS PAIRS	NUMBER OF CIRCUIT, 80 AT AT AT AT AT AT AT A
			PAIR CABL CABL CABL PAIR PAIR	SING CABL COLL COLL COLL COLL COLL COLL PAIR PAIR PAIR	HM. b) HM. b) CABL HM. b) Aistrict Aistrict NUMBER OF CIRCUIT AUMBER OF PAIR COIL COIL COIL PAIR PAIR PAIR PAIR
			PAIR CABLI CABLI PAIR	SING CABL COLL COLL COLL COLL COLL COLL PAIR PAIR PAIR	HM. b) HM. b) CABL HM. b) Aistrict Aistrict NUMBER OF CIRCUIT AUMBER OF PAIR COIL COIL COIL PAIR PAIR PAIR PAIR

NOTES THICK CHARACTER - INCREASING CABLES & COILS AT'80. THICK CHARACTER- INCREASING CABLES AT'90.

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DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

L														NO. 25
	SECTION			CONDUCTOR	CTOR	DIAMETER	TER 0	EE 6.	*		0 65""	*		0 5mm
Ö	NAME	-	E W	TOTAL PAIRS	P.C.M (SYSTEMS)	P.C.M	N.L PAIRS	PAIRS	TOTAL	N . L PAIRS	L PAIRS	TOTAL	N L PAIRS	L PAIRS
		NUMBER OF C	CIRCUIT, AT	515		1	4	5 1 -	615	78	537			
		4	AT ,90	636	1	ı	4	632	1 076	12	955			
	H E K	Z L X	CABLES						I 50 p	- (散去)				
73	(35 - 20)		PAIRS			1		1						
			PAIRS	0 + 009				969	1100+0		537+418			
· · · · · · · · · · · · · · · · · · ·		INCREASING	CABLES	600.9 ASP					1200.65ASP	·				
			COILS					6 0 0 P			600P			
		NUMBER OF C	CIRCUIT, AT	583	(33)	99	91	502	1 1 77	194	983	927	181	746
		\$	^A, 90	924	(42)	84	23	817	1 7 20	295	1 425	1012	219	793
···	PKN -BN	EXISTING	CABLES	6 00 P					600P					
74	(45 — 14)		PAIRS	600				600	600	001	500		1	I
			PAIRS	0 + 400				0+217	1200 + 0		483+442	1100 + 0		746+47
		INCREASING	CABLES	400.9ASP					1200.65ASP			1200.5 ASP		
			COILS								500P			800 P
		NUMBER OF C	CIRCUIT, 80	832	(33)	99	15	751	689	276	413			
		•	AT '90	1187	(42)	84	23	1080	1156	396	760			
7.5	BN PS	- I	CABLES	300P					J					
	(14 — 22)		PAIRS	3 00				300	1	1	1		-	
			PAIRS	600 + 300				451+329	1 200 + 0		413+347			
		INCREASING	CABLES	600.9ASP	300.9 ASP				1200.65ASP					
			CO 1LS			··· <u>.</u>		500P	-		500P			
	Caton											-		

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

														NO 26
	SECTION			CONDU	DUCTOR	DIAME	TER	о. 9 mm	"		0 65mm	2		0.5 mm
ġ	NAME	T	E X	TOTAL Pairs	P.C.M (SYSTEMS	P.C.M	N L PAIRS	L · PAIRS	TOTAL	N.L PAIRS	PAIRS	TOTAL	N.L PAIRS	PAIRS
		NUMBER OF C	CIRCUIT, AT	423	(22)	44	208	171						
, <u>.</u>		2	AT	683	(28)	99	562	332						
	PS 1 SMP	E N	CABLES	100P	(PCM)									
76	(22 - 23)		PAIRS	001			001							
			PAIRS	0 + 009				171+161						
	,	INCREASING	CABLES	600.9ASP										
			COILS					200P						
		NUMBER OF C	CIRCUIT, AT	118	(11)	22	32	6.4						
•		"	PA,	179	(61)	28	09	<u>-</u> 6						
77	PS — BYP	EXISTING	CABLES											
	(22 - 38)		PAIRS			1								
-	-		PAIRS	0 + 200				0 464						
		INCREASING	CABLES	200.9 PEFP										
			COILS											
		NUMBER OF C	CIRCUIT,80						686	6-	667	276	6 -	257
		•	,90						1 274	43	1 231	895	45	850
7.0	PKN - ON!	FXISTING	CABLES				-		1			1		
2	(45 - 29)		PAIRS						!	ı	ļ	1	1	
			PAIRS						0+ 1 200		0+667	006 + 0		0+300
		INCREASING	CABLES					_=	1200.65ASP		•	900.5ASP		
			co ILS											
	ARTON													

NOTES : THICK CHARACTER - INCREASING CABLES & COILS AT'80. THICK CHARACTER- INCREASING CABLES AT'90.

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DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

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												ĺ	z	NO. 27
	SECTION			CONDU	DUCTOR	DIAME	TER 0	E E E	"		0 65mm	*		0.5##
NO.	NAME	⊢ −	E M	TOTAL PAIRS	P.C.M (SYSTEMS	P.C.M S PAIRS	N.L PAIRS	PAIRS	TOTAL	N L PAIRS	PAIRS	TOTAL	N L PAIRS	L
		NUMBER OF C	CIRCUIT, AT	412		62	47	303						
		4	AT ,90	1078		84	4	880						
	0 N 1 - 0 N2	ONILOIXE	CABLES	1										
79	(29 - 27)		PAIRS	_	[ı		1						
			PAIRS	0 + 500				0+303						
. <u>.</u>		INCREASING	CABLES	500.9PEF-P										
			57100											
		NUMBER OF C	CIRCUIT, AT	011	(12)	24	61	67						
		1,	AT '90	127	(12)	24	61	84						
	- NO	EXING NITSIXE	CABLES											
80	- 1		PAIRS			1	I							
			PAIRS	0 + 150				0 +84						
		INCREASING	CABLES	150.9 PEF- P										
			COILS					L .						
		NUMBER OF C	CIRCUIT, BO	308		-	921	132						
		*	AT '90	350	Ī	1	207	- 43						
	ا ا ا	0 N 1 N 1 N 1 N 1	CABLES	300 P 200 P	साहभ्राक्ते	2253)								
8	33		PAIRS	500				300 150						•
			PAIRS											
		INCREASING	CABLES											
			CO ILS											
	STON) () () () () () () () () () (۱								7

NOTES : THICK CHARACTER - INCREASING CABLES & COILS AT'80. THICK CHARACTER- INCREASING CABLES AT'90.

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

NO. 28	TER 09mm , 0.5mm , 0.5mm	N L L TOTAL N.L L TOTAL N+L L PAIRS PAIRS PAIRS PAIRS PAIRS	252	4 254 627 212 415			0+257 0+600 0+415	600.65 ASP		33	56			81+79		d06	5 5	101 138			51+87		
5	0	PAIRS	257	254		1	257	600.65 A		ъ	9		1	81+79		906	_	- 3			51+87		
מוע - אוס	CTOR DIAMETER	SYSTEMS PAIRS P	-	i						(27) 54	(39) 78		1				(14) 2.8	(20) 40 1					
	> 1	TOTAL	261	258		1	0 + 300	300. 9 ASP		168	294		1	300+0	300.9 PEF-P		121	279			300+0	300.9PEF-P	
	ı	∑ ພ -	NUMBER OF CIRCUIT, 80	AT 090'	CABLES	PAIRS	PAIRS	INCREASING CABLES	COILS	NÙMBER OF CIRCUIT, AT	,, AT	CABLES	PAIRS	PA IRS	INCREASING CABLES	COILS	NUMBER OF CIRCUIT 80	AT 90	CABLES	PAIRS	PA I RS	INCREASING CABLES	0
1	SECTION	NAME	z	c	Σ Ω Λ	(33 - 48)				2	(ጥ ሕ	(33 - 32)	[nclude]	z	-	<u> </u>		N F G	(32 - 52)		=	
		NO.			C	20							00 M						,	8) 4			

NOTES : THICK CHARACTER - INCREASING CABLES & COILS AT'80 THICK CHARACTER- INCREASING CABLES AT'90.

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

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Į									:				Ž	NO. 29
	SECTION			CONDUCTOR	TOR	DIAMETER	1	шш 6.0	,		0 65mm	4		0.5mm
8	N A M E	<u>-</u>	≅	TOTAL Pairs	P.C.M SYSTEMS	P C M	N L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	L PAIRS
		NUMBER OF C	CIRCUIT, BO	516	(81)	26	55	435				i		
		*	AT 90,	938	(18)	36	16	1 8						
	LS - RID	- C	CABLES	3 00 P										
85	(33 - 36)	2000	PAIRS	300			150	150						
	(Include	1	PAIRS	009 + 0				009+0						
	LS-BCH	INCREASING	CABLES	600.9ASP										
		-	STIOD											
		NUMBER OF C	CIRCUIT, AT	7.3	(13)	26	11	30						i
<u> </u>		"	AT 90,	155	(18)	36	23	96						
	RID - BCH	DATE VIVE	CABLES											
86	(36 - 25)		PAIRS	•	•	1	1	1						
			PAIRS	0 + 150				96+0		_				
		INCREASING	CABLES	150.9 PEF-P										
	-		COILS											
		NUMBER OF C	CIRCUIT AT	28		12	91							
		•	AT '90	115		12	ب 6	0.						
	BCH KC		CABLES	100P	(PCM)									'
87	(25 - 20)	EX 1 2 1 1 N G	PAIRS	001										, ,
			PA I RS		-									i
		INCREASING	CABLES											
			CO ILS		-						<u>.</u>			
	STON	70111	CL FO VO VIII	011.0011.	000000000000000000000000000000000000000	١	20, 20			ı				

NOTES : THICK CHARACTER - INCREASING CABLES & COILS AT'80, THICK CHARACTER- INCREASING CABLES AT'90.

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

	•												ON	NO.30
) *	SECTION		7	CONDU	DUCTOR	DIAMETER	٥	9 mm	"		0 65mm	"		0.5mm
S.	NAME	<u>-</u>	Σ W	TOTAL PAIRS	P C.M	P C M	N.L PA!RS	L PAIRS	TOTAL Pairs	N . L PAIRS	L PAIRS	TOTAL PA!RS	N L PAIRS	L PAIRS
		NUMBER OF C	CIRCUIT, AT		(30)	60	139	248						
- ·		4	AT 90	853	(38)	92	192	585						
	WO - ST	SMITALYE	CABLES	300 P										
88	(33 -13)		PAIRS	3 00	(PCM)			300						
			PAIRS	009 + 0				220 0+385						
•		INCREASING	CABLES	600.9ASP										
			57100											
		NUMBER OF C	CIRCUIT, AT	1 48	(14)	28	82	38						
-	٠,	"	AT 90,	265	(21)	42	127	96						
	DM RS	SWIT SIX #	CABLES	1 00 P	(PCM)								i	
ກ ໝ	(13 - 24)		PAIRS	00 1										
			PAIRS	0 + 200				0+38						
		INCREASING	CABLES	200.9ASP										
			COILS			-								
		NUMBER OF C	CIRCUIT AT						741	88	653	199	485	76
·-		*	AT '90						1251	255	966	812	689	123
	SS 1 B P		CABLES						I 100 P			1 500 P		
0	(50 - 19)	2011	PAIRS						1 100	350	750	1 500	1 500	1
·,			PAIRS				-							
		INCREASING	CABLES											
i			CO ILS					-	İ	!	,			

NOTES : THICK CHARACTER - INCREASING CABLES & COILS AT'80, THICK CHARACTER - INCREASING CABLES AT'90.

DETERMINING DATA OF CABLE PAIRS & CONDUCTOR DIAMETER

7.43

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		UE I EKIMINING DATA	NING DA	A D	CABLE	באואן	1	20100	ייייייייייייייייייייייייייייייייייייייי	בו בו בו בו בו בו בו בו בו בו בו בו בו ב			Z	NO.31
	SECTION	- -		CONDUCTOR	CTOR	DIAMETER		0.9mm	"		0 65mm	"		0.5mm
Ŏ.	N N	- -	ъ ъ	TOTAL PAIRS	P.C.M SYSTEMS	P C.M	N L PAIRS	L PAIRS	TOTAL Pairs	N . L PAIRS	L PAIRS	TOTAL PAIRS	N.L PAIRS	L. PAIRS
<u>l</u>		NUMBER OF C	CIRCUIT, 80						154	104	50			
····		*	AT 90,						305	206	98	:		
u	BP - CHW		CABLES						-					
<u></u> 6	(19 - 41)	EAISTING	PAIRS						1	1	ı			
			PAIRS						300+0		50+48			
		INCREASING	CABLES					-	300.65ASP					
			COILS								100 P			
		NUMBER OF	CIRCUIT, AT					·						
			AT,											
			CABLES											
		EXIS	PAIRS				:							
·			PAIRS											
		INCREASING	CABLES											
			COILS											
<u> </u>		NUMBER OF	CIRCUIT AT											
		*	AT 90,											
			CABLES									<u>.</u>		-
		באו האו	PAIRS											j
			PAIRS											
		INCREASING	CABLES											
			C0 1LS				·							
	X	NOTES THICK	CHARACTER - INCREASING CABLES	R - INCREAS	SING CABI	æ	OILS AT'	80, THIC	COILS AT'80, THICK CHARACTER- INCREASING CABLES	TER-INC	REASING		AT '90.	

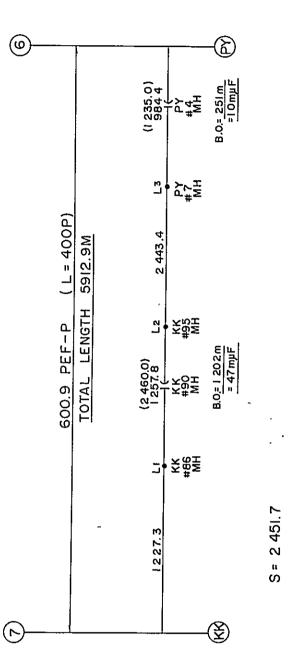
E. 装荷設計資料

TABLE OF CONTENTS

REMARK		LPI TURN OVER	LPI LP2 "	LP2 "			LS TURN OVER	"	PHASE I MODIFICA TION AND LS TOUR OVER			•			
CABLE	600.9 ASP	300.9 "	"	11	300.9 PEF-P	600.9 ASP	300.9 "	"	200.9-300.9-per	1800.5 ASP	1800.5 ASPx2	600.9 PEF-P	450.9 ASP	600.9PEF-P x 2	1200.65ASP
SECTION	BS - NN	PY - KC	"	"	LS - PTN	NWW - NN	PY - DM	,	BK-LS-RID	PL 1 KK	PL - SW	11	"	PL - PKN	11
NO. OF INDEX	9	1.7	18	6	20	21	22	23	24	25	26	27	28	29	30
REMARK															
CABLE	600,9 PEF-P	900.5 1200.65ASP	1800.5 "	300.65 "	600.9 PEF-P	ll	"	I 200.65ASP	11	1800.5 ASP	600.9 PEF-P	1200.65ASP	6.009	"	"
SECTION	KK - PY	KK - SS	KK - PTW	вр – снw	PY - LS	PY - BK	BK - LS	PY - SW	PY - ASD	PY-KK-PTW	PY-ASD-PKN	PY - LPı	LPı – LP2	PY – NWW	BK - NWW
NO. OF INDEX	_	7	ъ	4	ಬ	9	7	8	თ	<u>o</u>	=	12	5	4	- 5

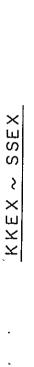
TION CABLE REMARK	KC 1200.65 ASP 600.9	PKN 600.9 " PKN TURN OVER	" »	ARF 300.9 ASP PS "	TH 600.9 PEF-P	1200.65 ASP 1800.5	SR 1500.5 "	TC 1800.5 "	TK 900.5 "	SP 600.9 " EX CABLE	4			
NO.OF INDEX SECT	H H	47 CP - F	48 CP - F	49 CP - A	50 SW - 7	51	52 SW - S	53 SW - 1	54 SW - T	55 MM - S				
REMARK														
CABLE	1800.5 ASP x 2	600.9 ASP	600.9 1200.65 ASP	1200.65 "	*		1800.5 ASP	1200.65 "	1500.5 "	6.009	1200.65 "	1200.65 "	1200.65 " 600.9	, 6.009
SECTION	PL - ASD	PL - CP	PL - HM	PL - SR	PL PTW	ASD - CP	TH - BC	BC - PSR	TH - CHW	TH - DK	PKN - CP	PKN – BN	BN - PS	PS - SMP
INDEX	بي <u>۴</u>	32	33	34	35	36	37	38	39	40	14	42	43	4

KKEX ~ PYEX



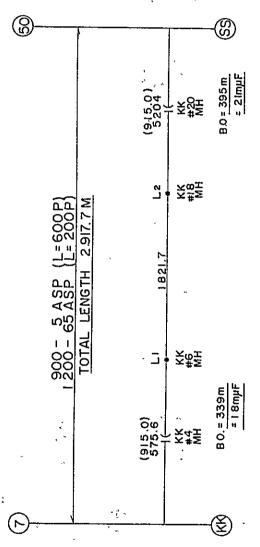
$$\frac{S_0 - S}{S_0} \times 100 = 0.7 \%$$

$$\frac{S-S_1}{S}$$
 x 100 = 0.3%



Sept.

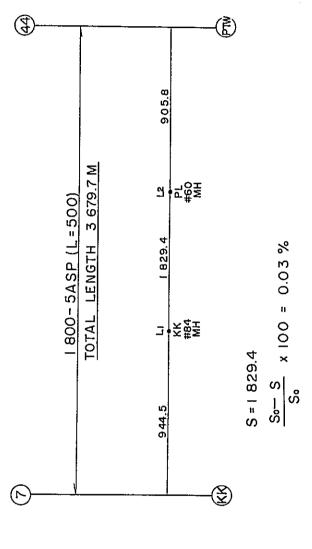
1



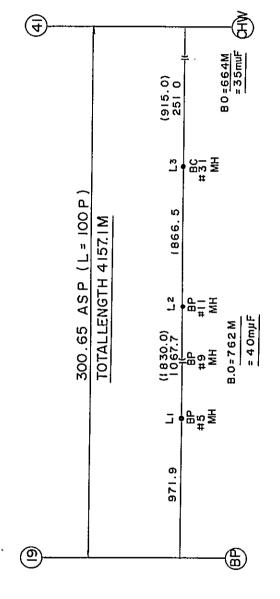
$$S = 18217$$

$$\frac{S_0}{S_0} \times 100 = 0.5\%$$





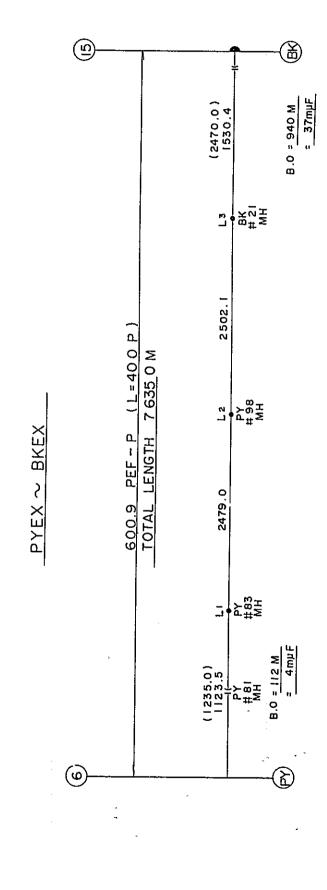




$$S = 1848 3$$

$$\frac{S - S_0}{S_0} \times 100 = 1.0 \%$$

$$\frac{S-S_1}{S}$$
 x 100 = 1.0%



S = 2486.0 $\frac{So - S}{So} \times 100 = 0.6 \%$

$$\frac{S-Si}{S} \times 100 = 0.6 \%$$

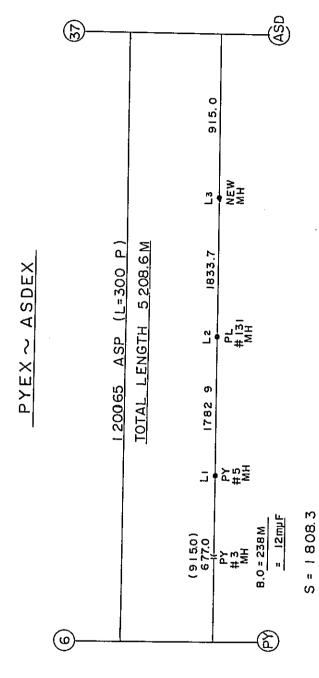
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(M) .	1	 -		<u> </u>	- ®
-			(915.0)	SW ## 40	B 0 = 69 M = 4mµF
			Ls	SW #-8 #W	
	-		1854. 4		
(a	Σ		7,	PL #63 MH	
0 = 800	7365.0		1854.1		
α α	ENGTH		ລຸ	ス#8 スピエ	
200.65 ASP (I = ROOP)	TOTAL LENGTH 7365.0 M		1826,4		
_			1.2	PY #7 MH	1.
			(1845.0) 611.8	~#₽ ₩ ₩	B.0 = 1233 M = 64mµF
·			ت	A#P.	그님
:		•	(9150) 372.6	7.0± ₩₩	8.0 = 542 M = 28mµF
<u></u>		`			<u>(3</u>)
			4	•)

S = 1845.0

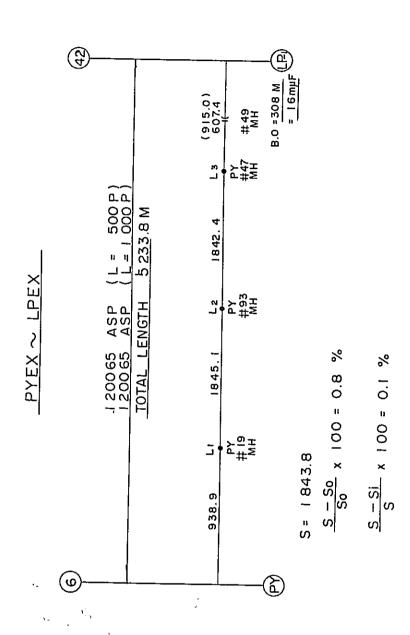
$$\frac{S - S_0}{S_0} \times 100 = 0.8 \%$$

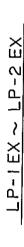


$$\frac{50-5}{50} \times 100 = 1.2 \%$$

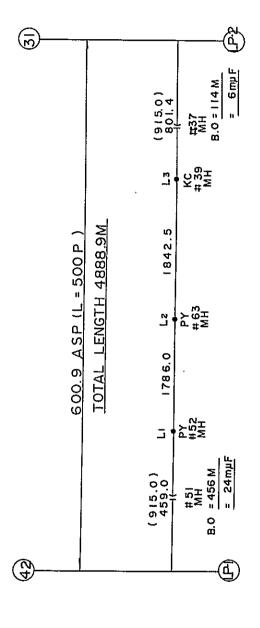
$$\frac{S-Si}{S}$$
 x 100 = 1.4 %

()





)



S = 1814.3

$$\frac{80-5}{50}$$
 x 100 = 0.9%

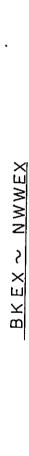
$$\frac{S-S!}{S}$$
 x 100 = 1.5%

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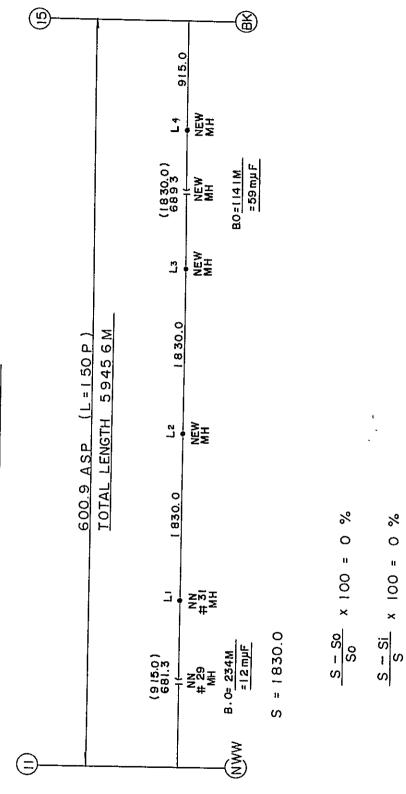
(915.0) (91	(o)—-					<u>(</u>
600.9 ASP (L = 400P) TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M (1830.0) (1830.)				о 8	
600.9 ASP (L = 400P) TOTAL LENGTH 12377 3M TOTAL LENGTH 1337 4 1937 4					L7	7 ₩ ₩ ₩
600.9 ASP (L = 400P) TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M *** *******************************			:		1845.	
600.9 ASP (L=400P) TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M TOTAL LENGTH 12377 3M (1830.0) (ř.	¥ 203 ± 203
600.9 ASP (L = 400P) TOTAL LENGTH 12377 3M					1811.9	
15.0) 181.3 Li 1830.0 L2 1830.0 10 10 10 10 10 10 10 10 10 10 10 10 10					Ĺ	B#Z XXX O±
15.0) 181.3 Li 1830.0 L2 1830.0 10 10 10 10 10 10 10 10 10 10 10 10 10		0P)	377 3M		1818.5	
15.0) 181.3 Li 1830.0 L2 1830.0 10 10 10 10 10 10 10 10 10 10 10 10 10		L=40	TH 12		4	
15.0) 181.3 Li 1830.0 L2 1830.0 10 10 10 10 10 10 10 10 10 10 10 10 10		9 ASP (AL LENG		(1830.0)	BK #17 #17 B.0 = 209M
15.0) 381.3 Li 1830.0 L2 1830.0 18.0 NN NN NEW #29 #31 MH MH MH		600	TOT		L3	NE W H W H
15.0) 18.3 Li 1830.0 10.0 NN 14.29 #31 MH MH 234.M					_	
15.0) 16.3 Li 16.3 Li 17.0 18.3 18.29 #3! 18.29 #3! 18.29 #3! 18.29 #3!	1	;			L2	NEW MH
15.0) 16.3 Li 16.3 Li 17.0 18.3 18.29 #3! 18.29 #3! 18.29 #3! 18.29 #3!	٠				1830.0	
T Z T Z T Z T Z T Z T Z T Z T Z T Z T Z					-1	
(E) (MN)					(915.0) 681.3	ZWEN "
_				٠.		<u>*</u>

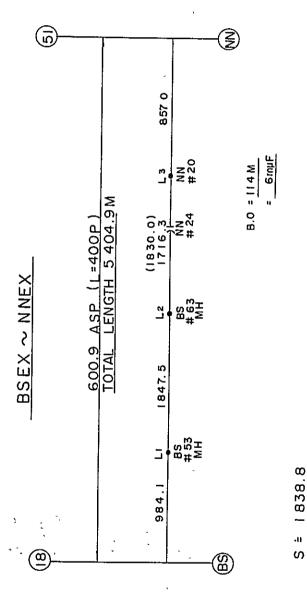
$$\frac{50-5}{50}$$
 x 100 = 1.3 %

$$\frac{S-S_1}{S}$$
 x 100 = 1.0%



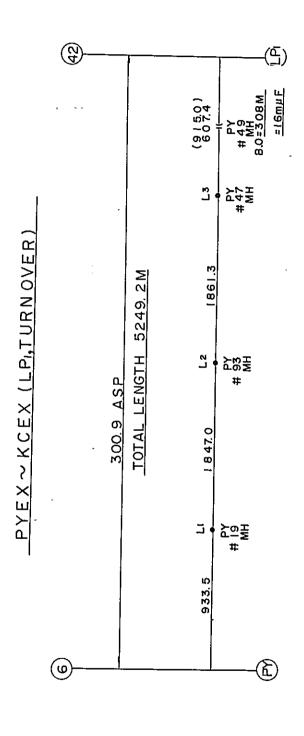
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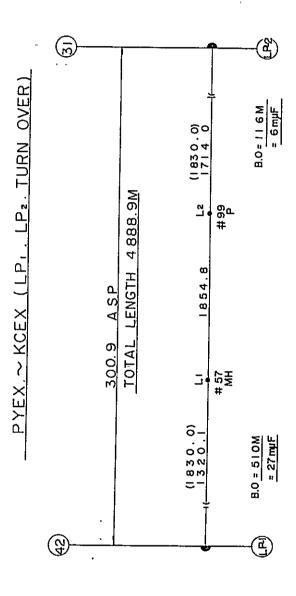


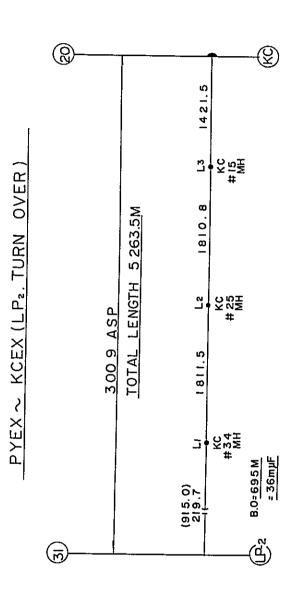
 $\frac{S-S_0}{S_0} \times \frac{100=0.5}{3}$

$$\frac{S - Si}{S} \times 100 = 0.2 \%$$



)





LSEX ~ PTNEX

(25)

1288.3 LI 2485.0 L2 2480.0 L3 2485.0 L4 2440.0 L52440.0 L6 2475.0 L7 2480.0 L8 2480 0 L9 2475.0 L10 2475.0 L11 1784.3 TOTAL LENGTH 27787.6M 300.9 PEF-P (L= 150P) **⑤**

TOT NEW POLE

TOT TOT TOT TOT NEW POLE NEW POLE (MEA)

LE NEW POLE NEW POLE NEW POLE NEW POLE (MEA) (ME

(#8/6#)

 $\frac{S-Si}{S}$ x 100 = 1.2 %



(E)

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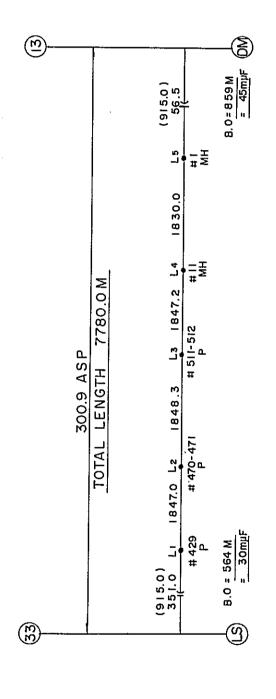
(

989 0

MH NN WH BN

$$S = \frac{S - S_0}{S_0} \times 100 = S_0$$

PYEX ~ DMEX (LS TURN OVER)



$$S = 1843.1$$

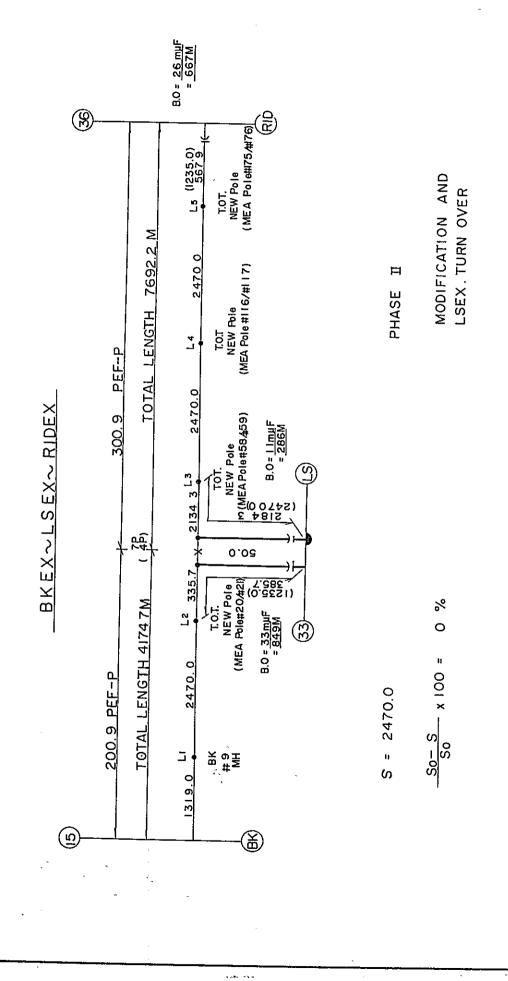
$$\frac{S - .So}{So} \times 100 = 0.7 \%$$

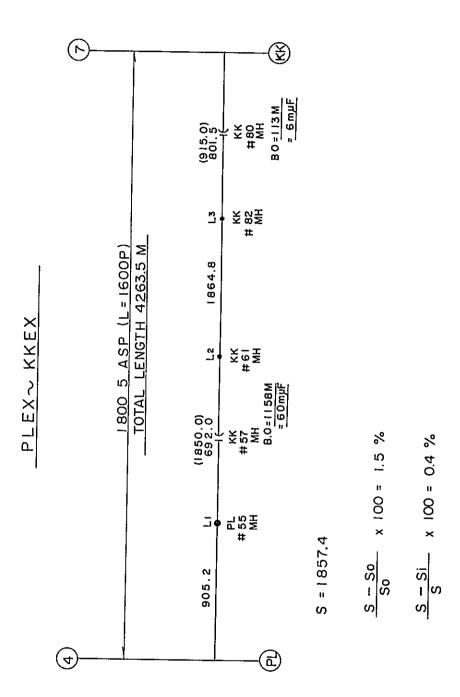
$$\frac{S - .S1}{S} \times 100 = 0.7 \%$$

%

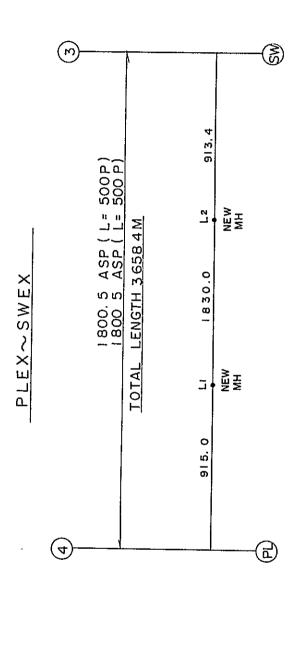
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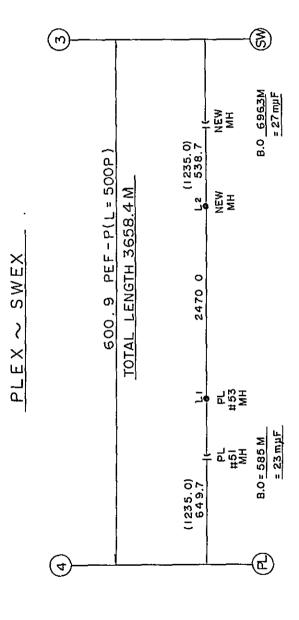
S – Si S

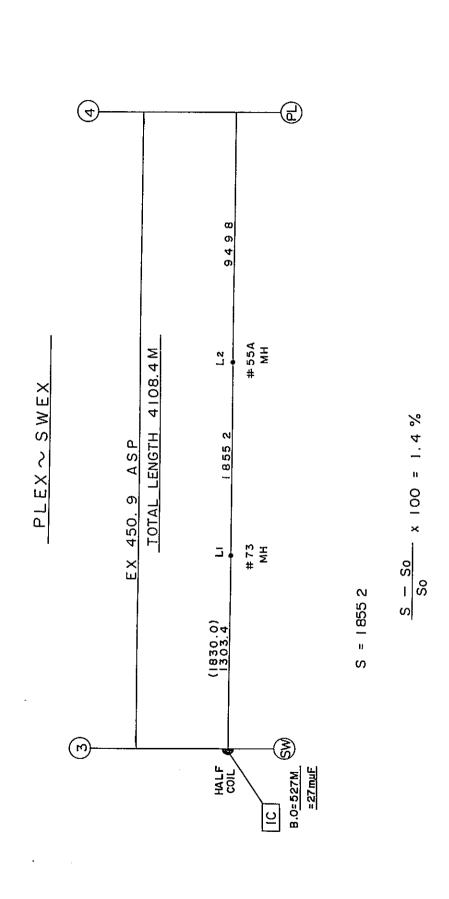




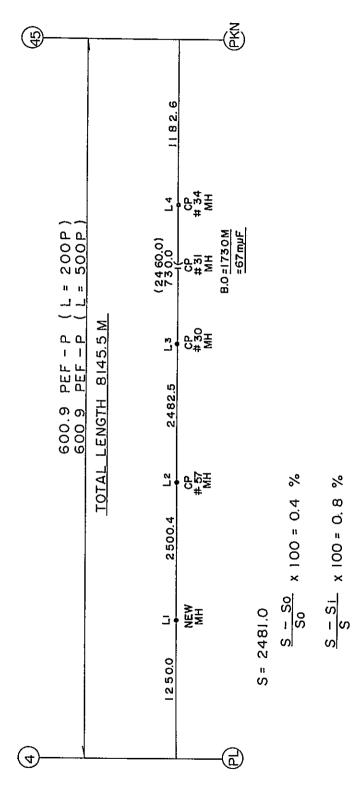
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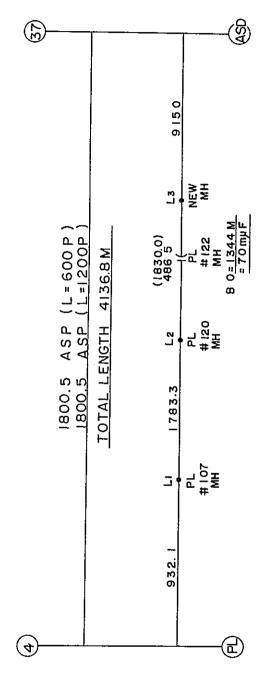




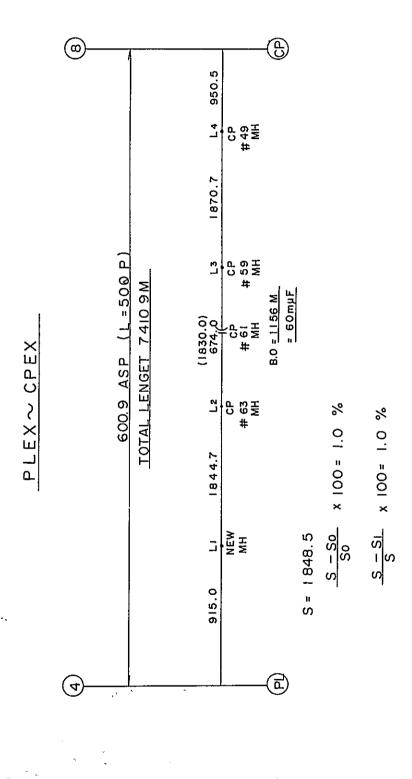
PLEX ~ PKNEX

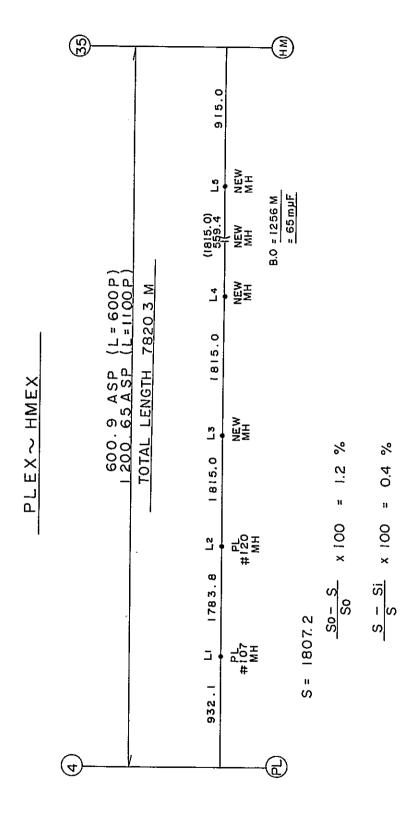




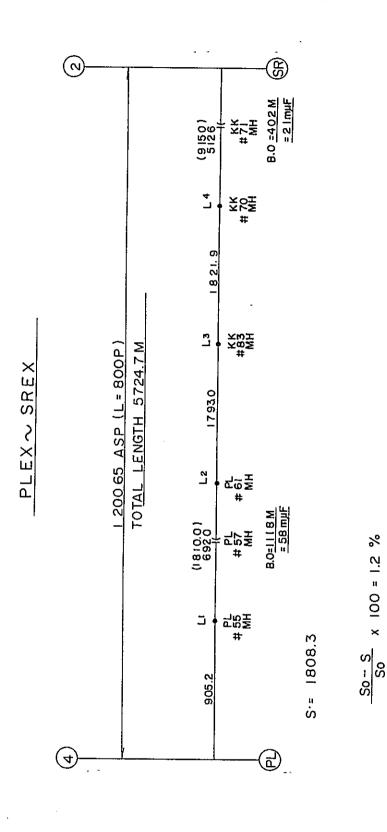


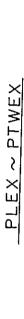
$$\frac{S-S_1}{S} \times 100 = 1.3 \%$$

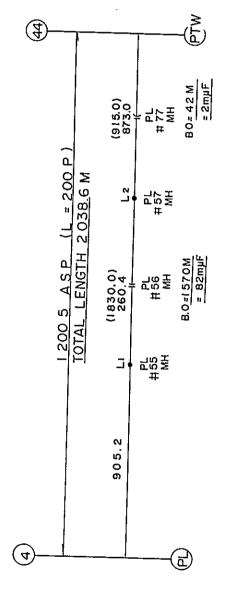




 $\frac{S-Si}{S}$ x 100 = 0.8 %







$$S = 1830$$

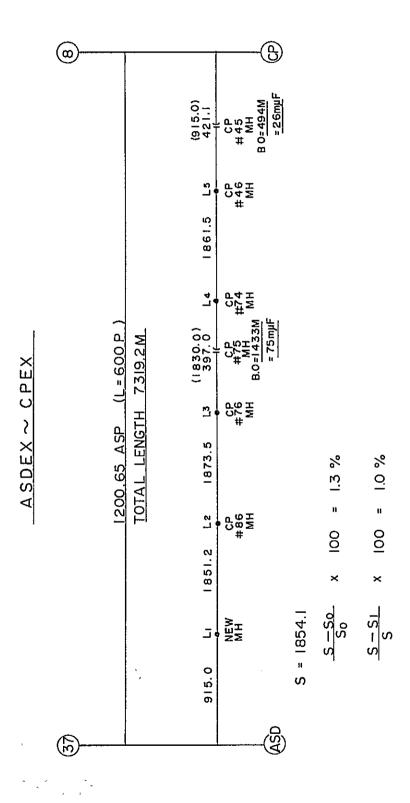
$$\frac{S - S_0}{S_0} \times 100 =$$

%

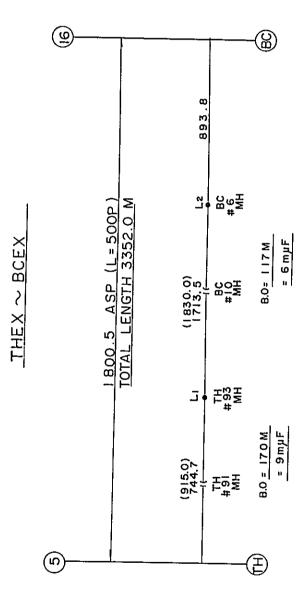
%

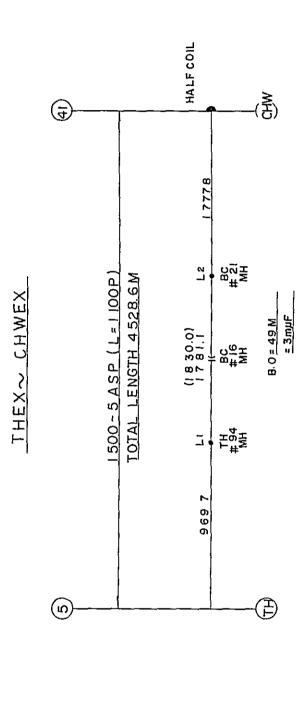
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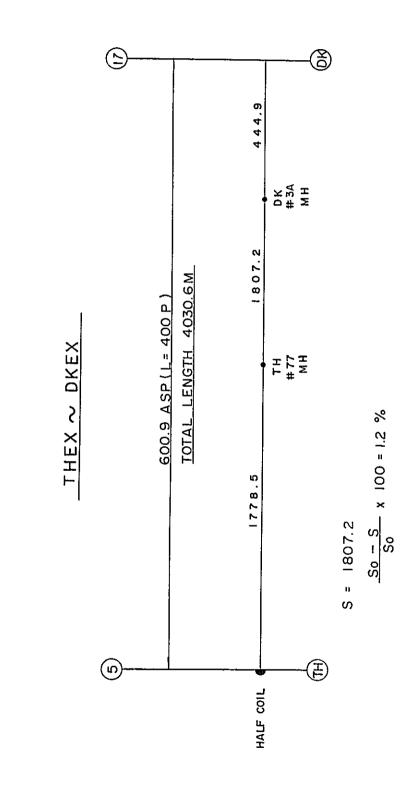
S - Si S

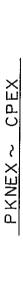


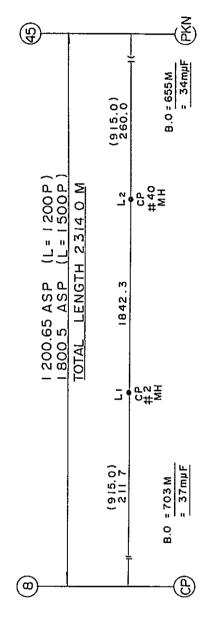
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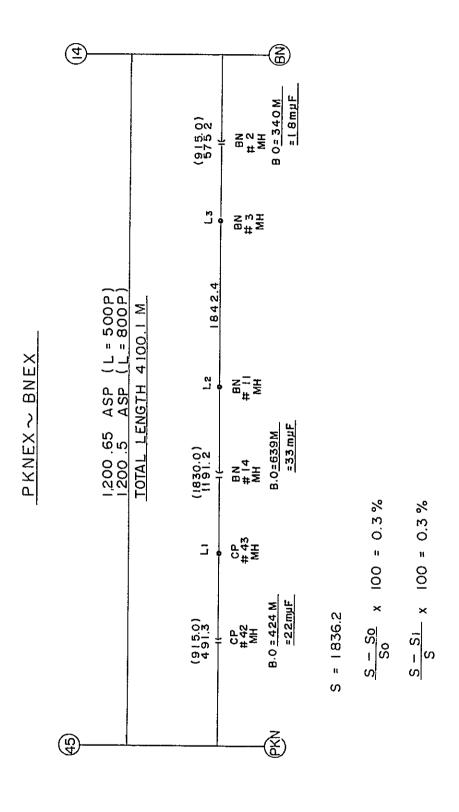


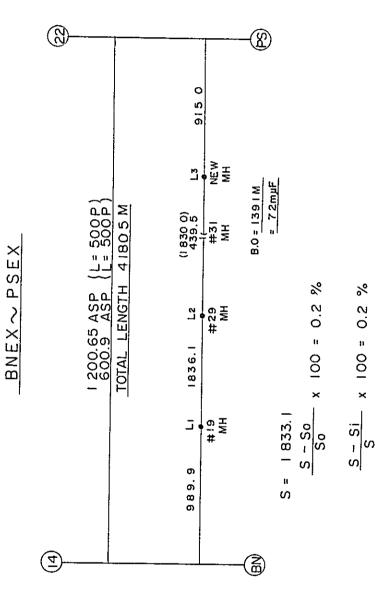


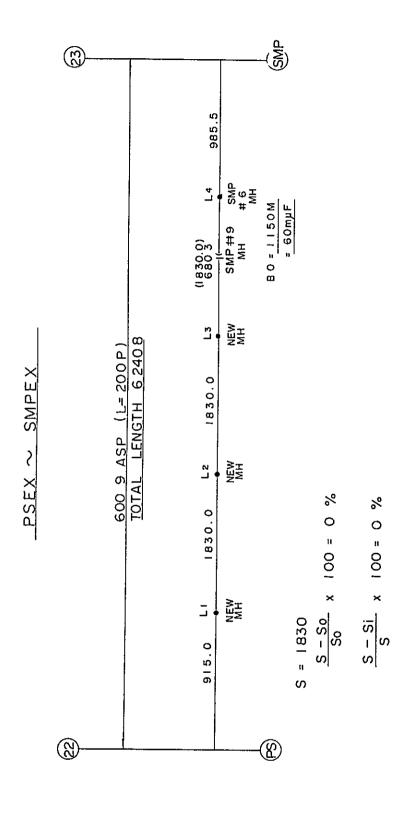


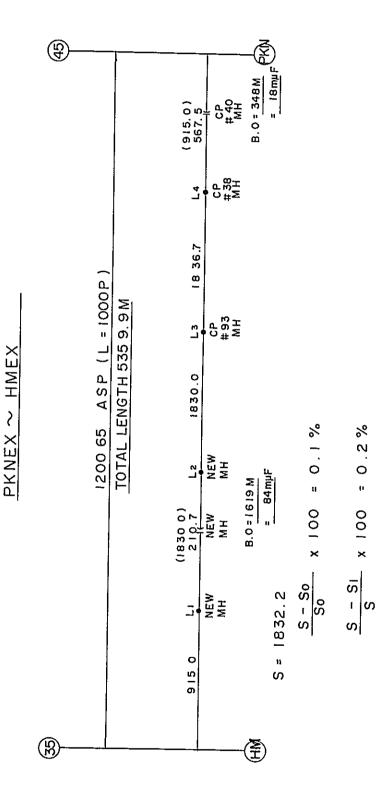


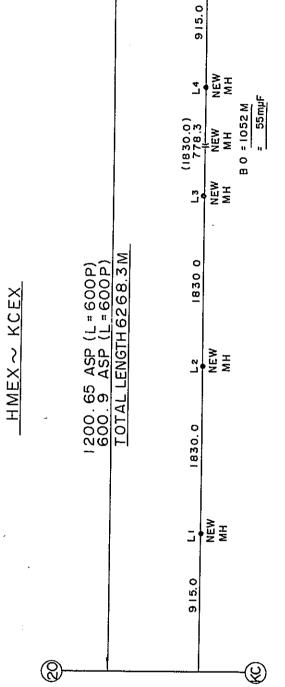
$$\frac{S - S_0}{S_0} \times 100 = 0.7 \%$$







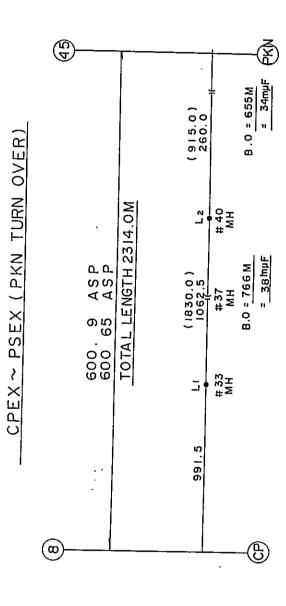


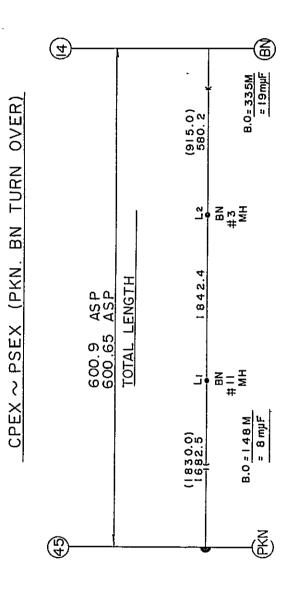


(35)

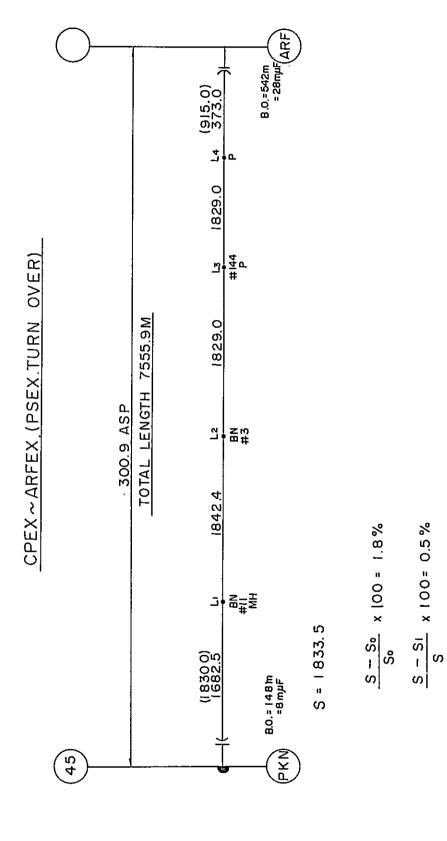
S = 1830.0 S = 50 S_0 x 100 = 0% S = 5i x 100 = 0%

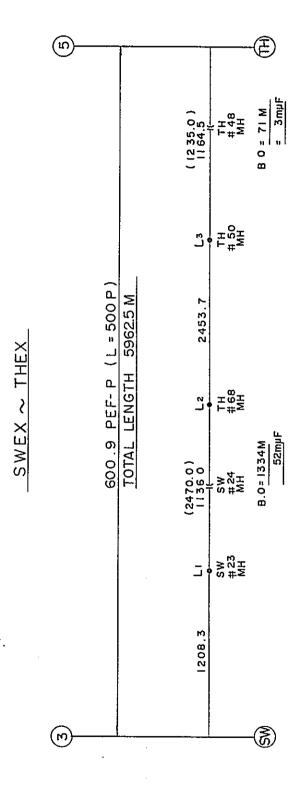
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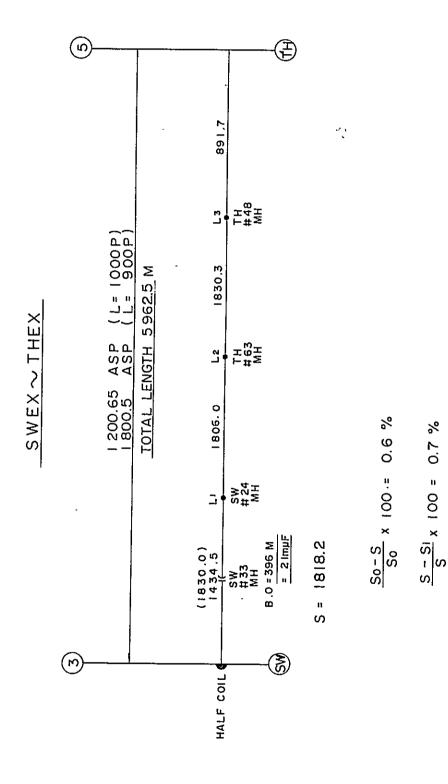
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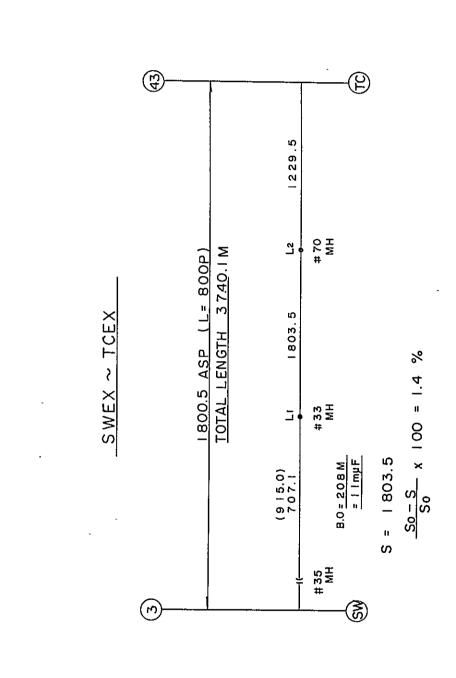
$$S = 2461.9$$

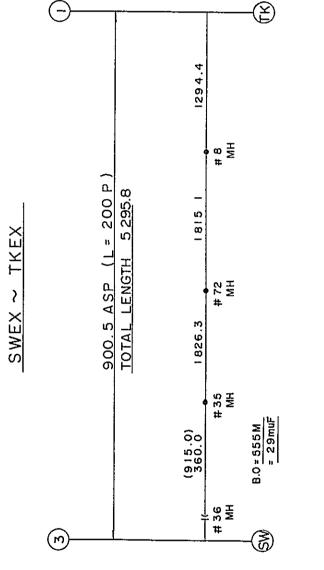
 $\frac{So - S}{So} \times 100 = 0.3\%$
 $\frac{S - Si}{S} \times 100 = 0.3\%$



184.4

`}



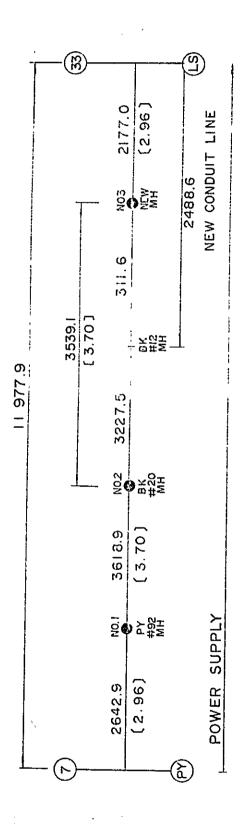


S = 1820.7 $\frac{50-5}{50} \times 100 = 0.5 \%$ $\frac{5-5i}{5} \times 100 = 0.3 \%$

一。 PCM中継間隔設計資料

PY EX. - LS EX.

PY/LS-1 6009 PEF-P



PCM PROVIDED
BETWEEN FXCHANGES

≯ S

L S

SYS	1990	=
OF	0861	73
NON	1976	23

<u> </u>	PL	д Х	SMP
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	L S		

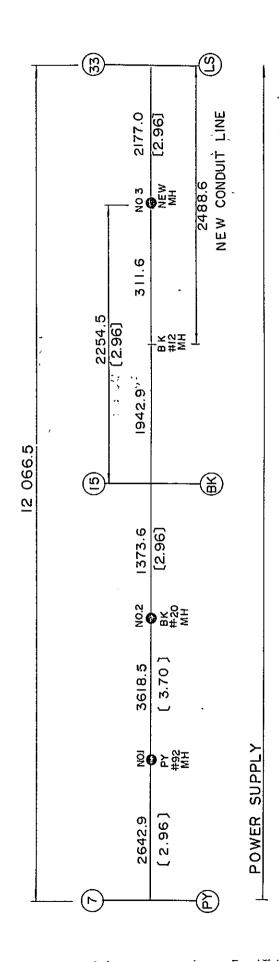
ר יי ט

🍪 R-MANHOLE TYPE REPEATER

() MAX. SPACE



600.9 PEE-P PY/BK - 1



BETWEEN EXCHANGES PCM PROVIDED

PTN - PY

R-MANHOLE TYPE REPEATER

1990

SYS 1980

1976

25

() MAX SPACE

LS - PY

PY EX.- KK EX.

PY/KK-3 6009 PEF-P

PCM PROVIDED BETWEEN EXCHANGES

Х Н Г XX | PX | BCH.

	P	2945	(5.96)	KK POWER SUPPLY
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		2964	[2.96]	
	<u> </u>			

S	1 930	48	
OF SYS	1980	30	
NO.	1976	01	

R-MH TYPE Repeater

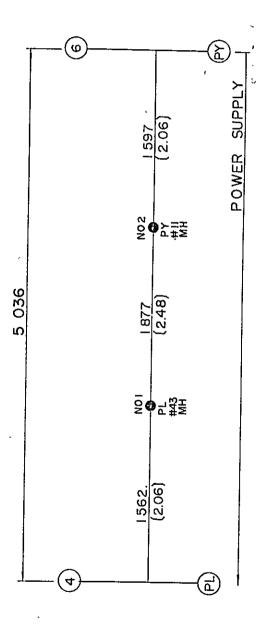
MAX. SPACE

PL EX. - PY EX.

PL/PY-2 600.9 ASP

PCM PROVIDED BETWEEN EXCHANGES

BCH PTN PK LS



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	1990	33	
OF SYS	0861	12	
NO	1976	8	

R-MH TYPE REPEATER

() MAX SPACE

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PCM PROVIDED BETWEEN EXCHANGES

LS - MSK LS - NK LS - PPJ PY - TH	PY - MSK PY - NK	PY - PPJ	
LS - SW PK - SW PTN - SW BCH - SW	# H H H	T H	всн - тн
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PY/SW-1			

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,s	0661	601	
NO. OF SYS	1980	29	
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R-MH TYPE REPEATER

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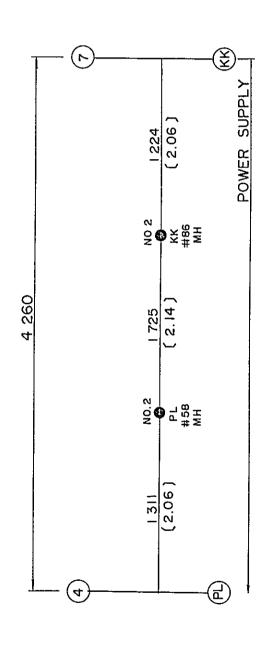
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PL/KK-1 600.9 ASP



PCM PROVIDED BETWEEN EXCHANGES

R-MH TYPE REPEATER

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OF SYS 980 47

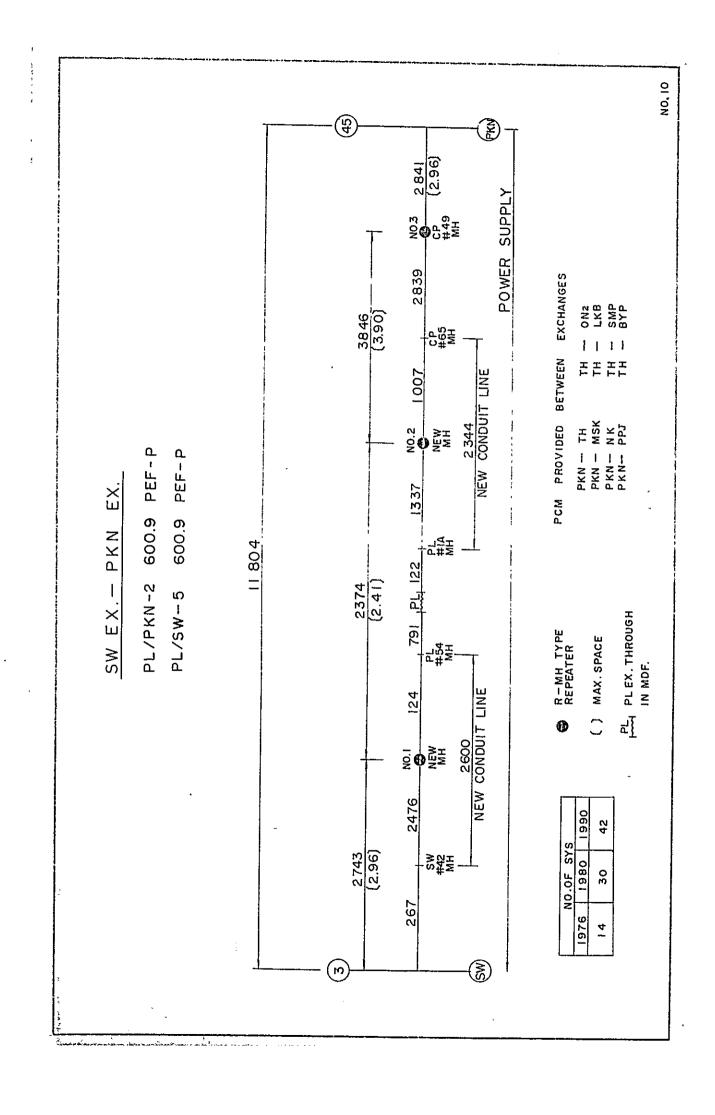
NO.

979 62

54

() MAX. SPACE

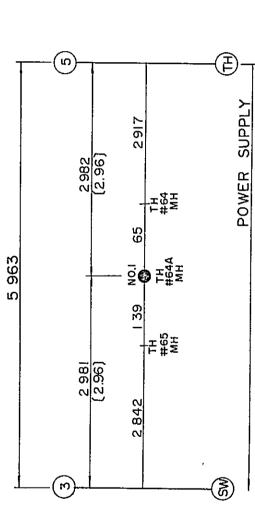
PKN LKB SMP



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SW/TH-3 600.9 PEF-P



BETWEEN EXCHANGES

PCM PROVIDED

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2,982	(2.96	2	-1+ ₩ ₩ ₩	POWER	'n

		•	
SYS	0661	130	
NO. OF S'	0861	18	
Z	1976	42	

R-MH TYPE Repeater

MAX. SPACE

