資料-5

概略設計図

概略設計図リスト（ジャバナ変電所）

No.	図面番号	図面名称
1	DWG No. SS-01	単線結線図
2	DWG No. SS-02	屋外機器配置図
3	DWG No. SS-03	屋内機器配置図
4	DWG No. SS-04	単線結線図（ビレンボ変電所）

概略設計図リスト（ギコンド変電所）

No.	図面番号	図面名称
1	DWG No. SS-05	単線結線図
2	DWG No. SS-06	屋外機器平面配置図
3	DWG No. SS-07	屋外機器配置縦断図

概略設計図リスト（ムシャ変電所）

No.	図面番号	図面名称
1	DWG No. SS-08	単線結線図
2	DWG No. SS-09	屋外機器配置図

概略設計図リスト（ルインクワブ変電所）

No.	図面番号	図面名称
1	DWG No. SS-10	単線結線図
2	DWG No. SS-11	屋外機器配置図

概略設計図リスト（フイエ郡配電網）

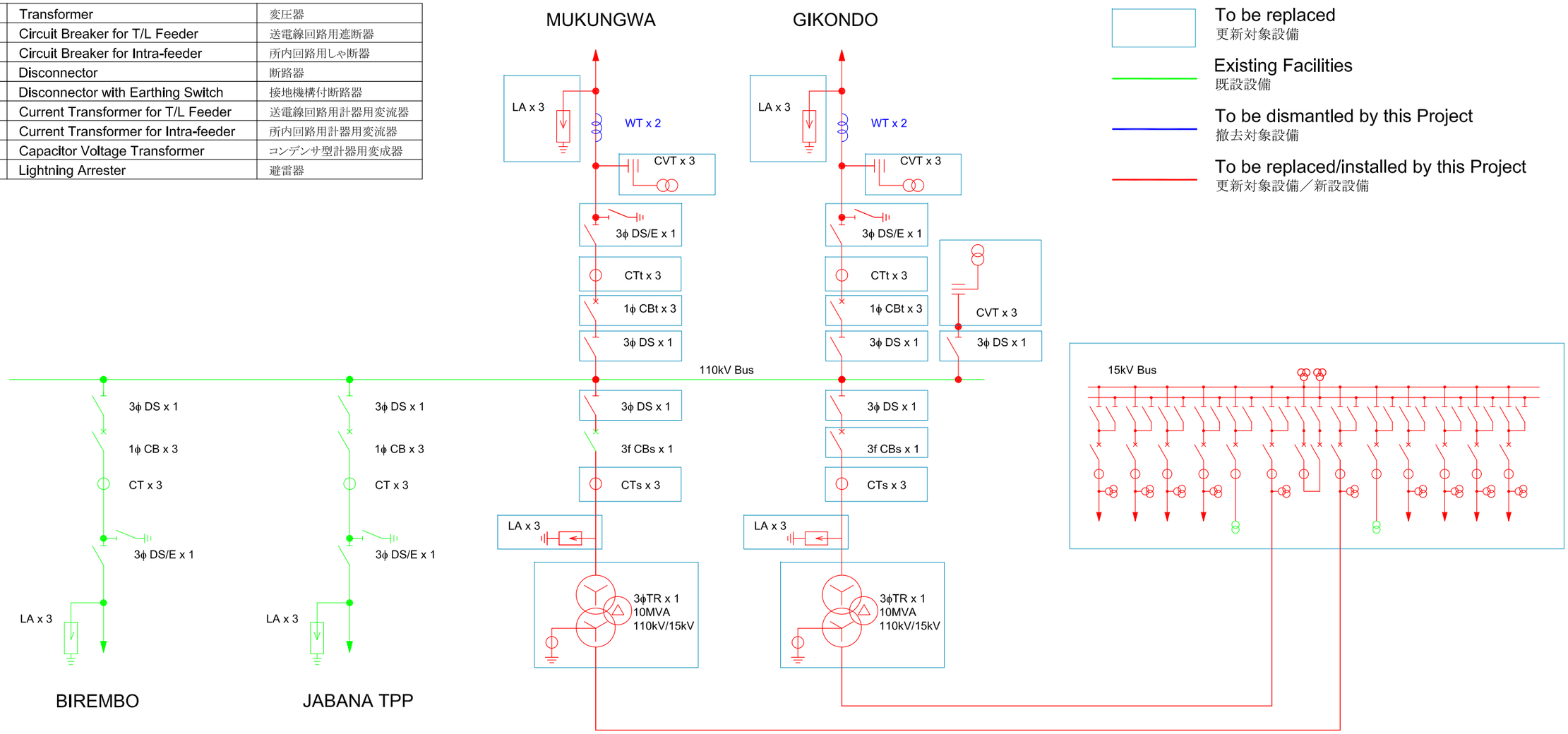
No.	図面番号	図面名称
1	DWG No. HDS-01	ルート図
2	DWG No. HDS-02	単線結線図
3	DWG No. HDS-03	RMU 建屋計画図（TYPE A, B-1, B-2, B-3, B-4）

表 3.2-37 概略設計図リスト（キガリ市配電網）

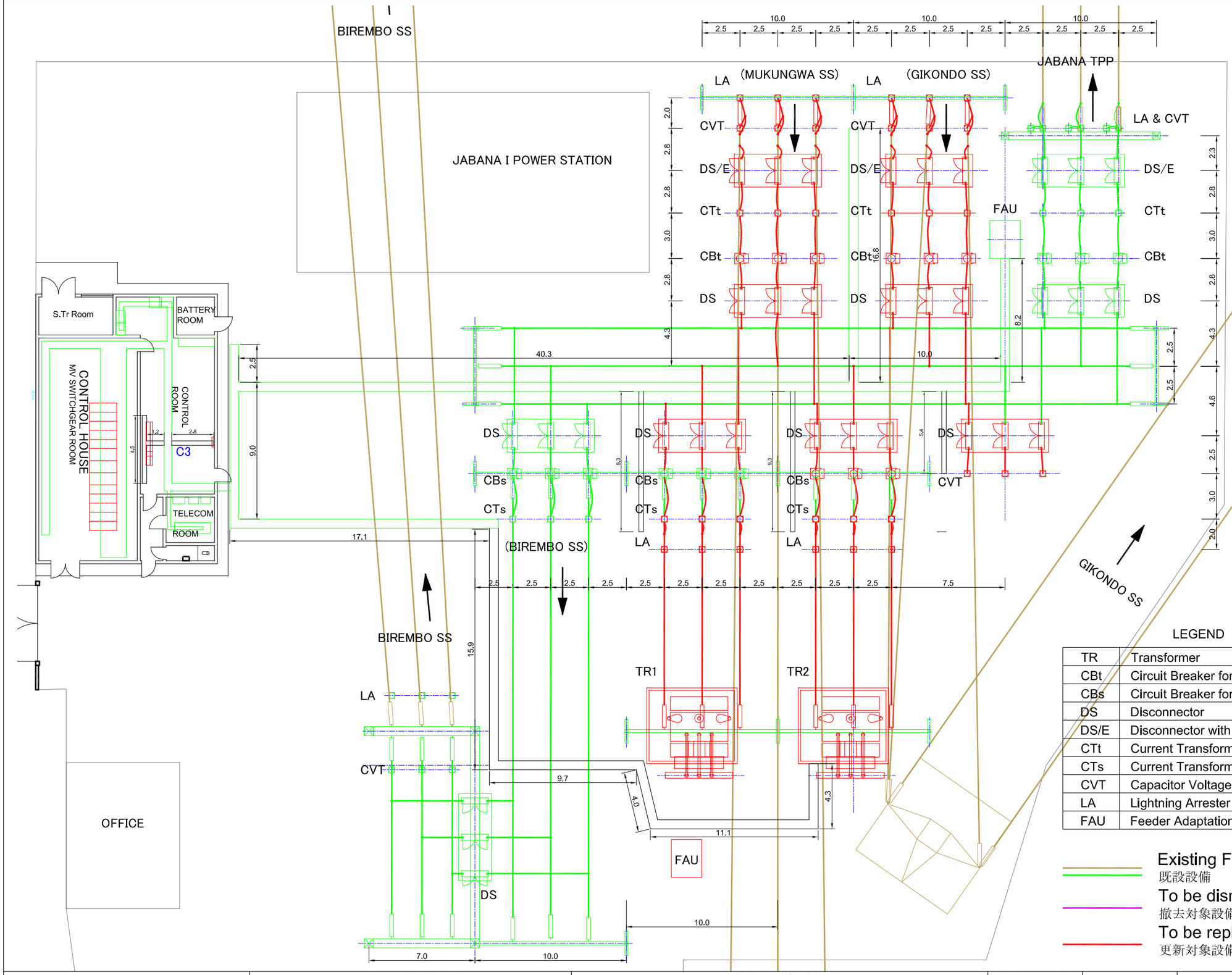
No.	図面番号	図面名称
1	DWG No. KDS-01	ルート図
2	DWG No. KDS-02	中圧配電柱　装柱図（1/2, 2/2）
3	DWG No. KDS-03	低圧配電柱　装柱図

LEGEND

TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用しゃ断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器



	THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU	NIPPON KOEI CO., LTD
		JABANA SUBSTATION SINGLE LINE DIAGRAM JABANA変電所 単線結線図	SS-01	CHECKED BY	SHIMIZU	
				APPROVED BY	MANITA	
				DATE	Nov.05, 2010	



LEGEND

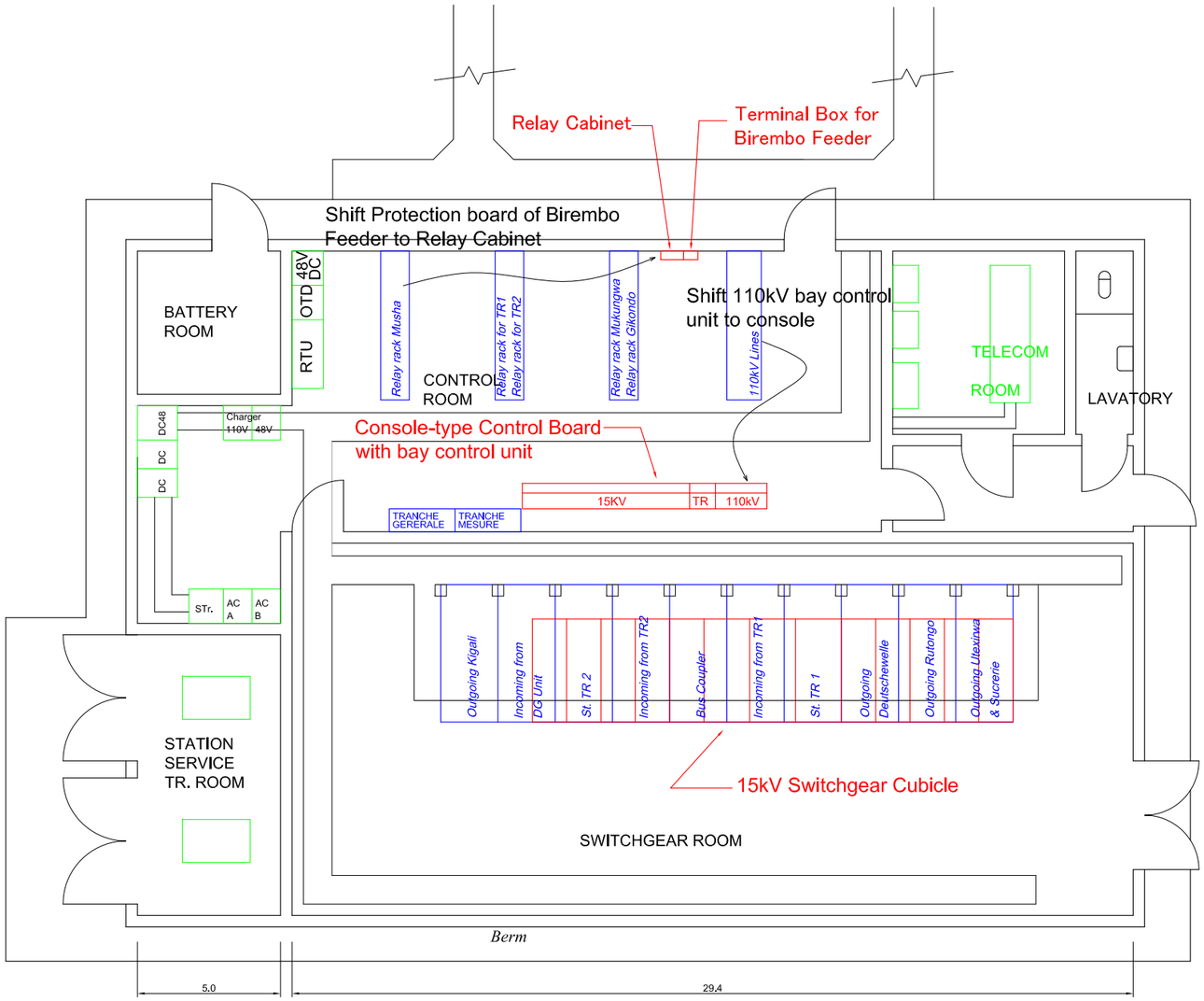
TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用しゃ断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器
FAU	Feeder Adaptation Unit	ケーブル集合パネル

Existing Facilities
既設設備

To be dismantled by this Project
撤去対象設備

To be replaced/installed by this Project
更新対象設備／新設設備

THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU	NIPPON KOEI CO., LTD
	JABANA SUBSTATION OUTDOOR SWITCHGEAR LAYOUT (1/250) JABANA変電所 屋外機器配置図 (1/250)	SS-02	CHECKED BY	SHIMIZU	
			APPROVED BY	MANITA	
			DATE	Nov.05, 2010	



LEGEND

110kV	Console-type Supervisory & Control Panel for Transformer	変圧器用コンソール型監視制御盤
110kV	Console-type Supervisory & Control Panel for 110kV Feeders	110kV送電線用コンソール型監視制御盤
15kV	Console-type Supervisory & Control Panel for 15kV Feeders	15kV開閉装置用コンソール型監視制御盤

Existing Facilities
既設設備

To be dismantled by this Project
撤去対象設備

To be replaced/installed by this Project
更新対象設備／新設設備

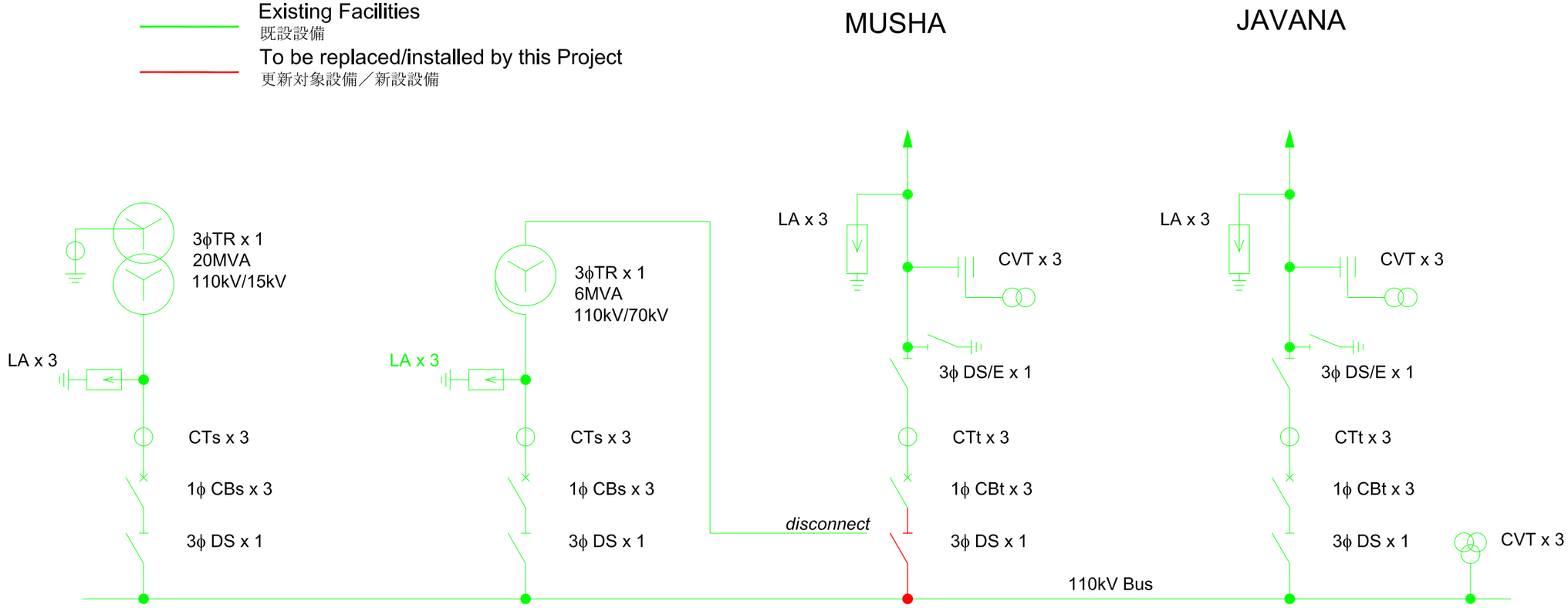
THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU	NIPPON KOEI CO., LTD
	JABANA SUBSTATION INDOOR EQUIPMENT LAYOUT (1/200) JABANA変電所屋内機器配置図 (1/200)	SS-003	CHECKED BY	SHIMIZU	
			APPROVED BY	MANITA	
			DATE	Nov.05, 2010	

LEGEND

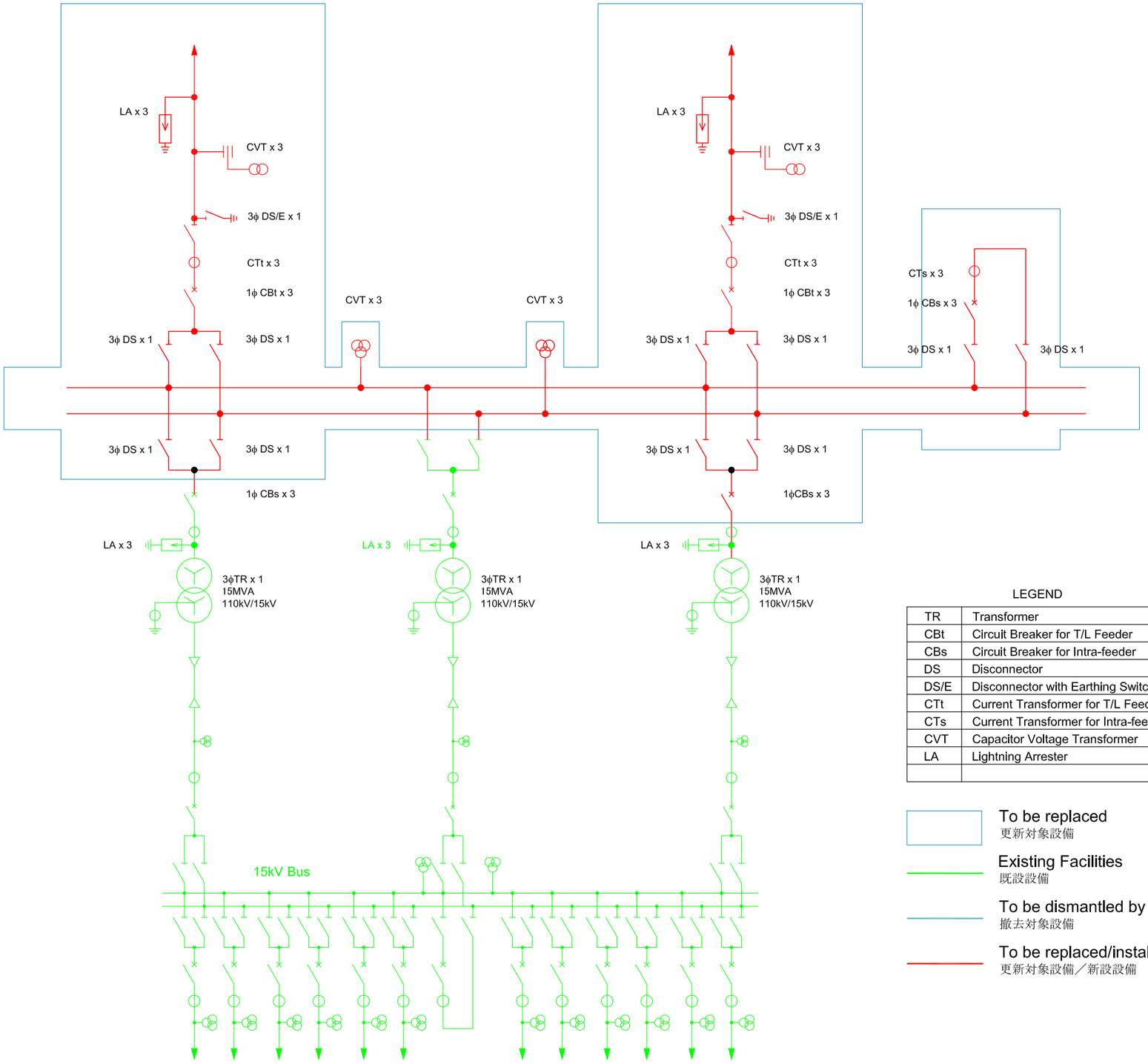
TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用しゃ断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器

Existing Facilities
既設設備

To be replaced/installed by this Project
更新対象設備／新設設備



	THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU	NIPPON KOEI CO., LTD
		BIREMBO SUBSTATION SINGLE LINE DIAGRAM BIREMBO 変電所 単線結線図	SS-04	CHECKED BY	SHIMIZU	
				APPROVED BY	MANITA	
				DATE	Nov.05, 2010	



LEGEND

TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用遮断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器

To be replaced
更新対象設備

Existing Facilities
既設設備

To be dismantled by this Project
撤去対象設備

To be replaced/installed by this Project
更新対象設備／新設設備

THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU	NIPPON KOEI CO., LTD
	GIKONDO SUBSTATION SINGLE LINE DIAGRAM GIKONDO変電所 単線結線図	SS-05	CHECKED BY	SHIMIZU	
			APPROVED BY	MANITA	
			DATE	Nov.5, 2010	

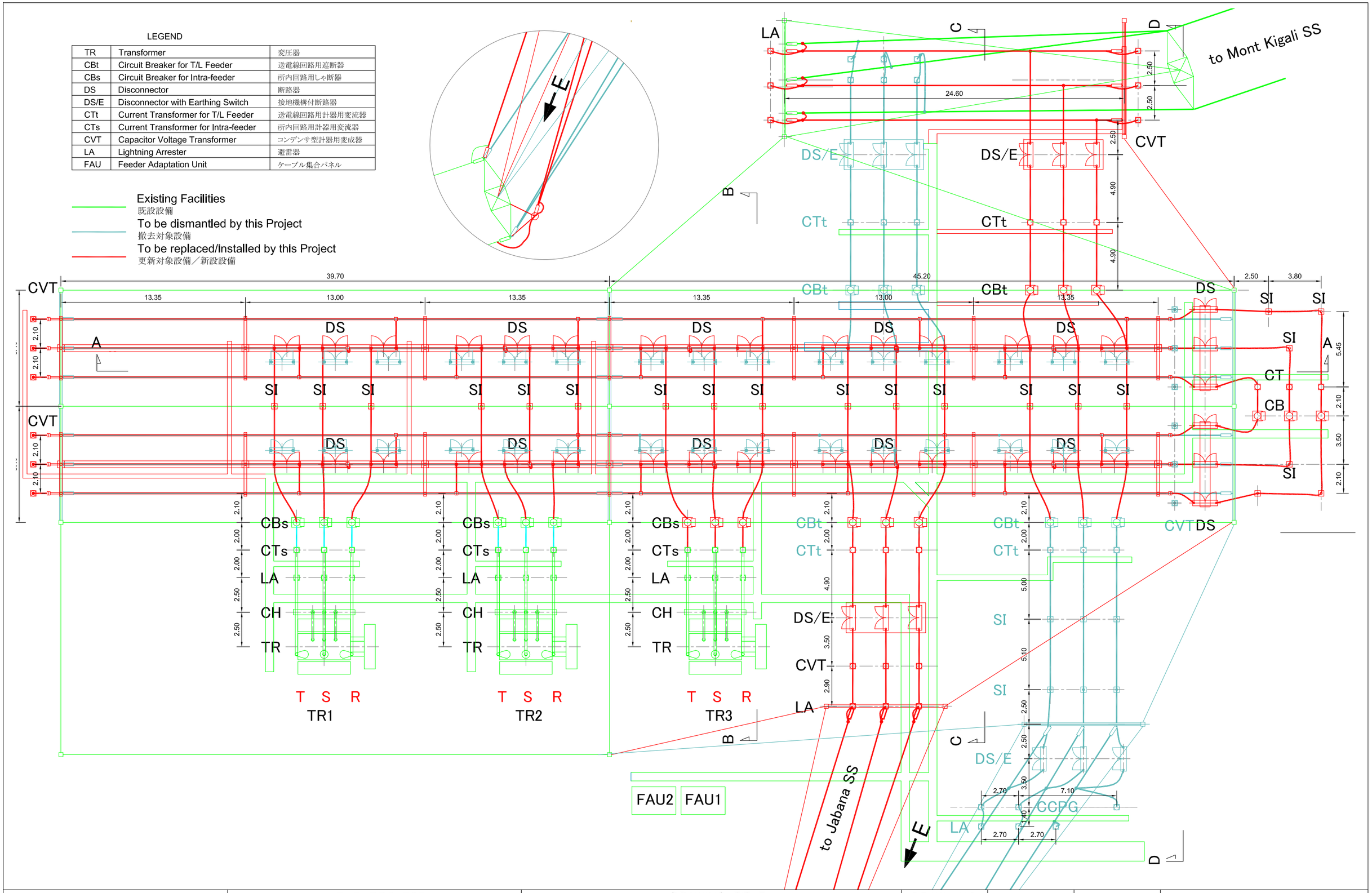
LEGEND

TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用しゃ断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器
FAU	Feeder Adaptation Unit	ケーブル集合パネル

Existing Facilities
既設設備

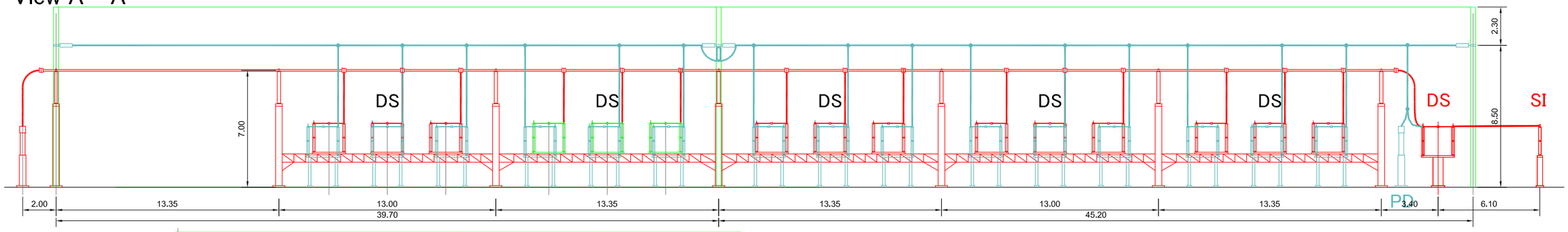
To be dismantled by this Project
撤去対象設備

To be replaced/installed by this Project
更新対象設備／新設設備

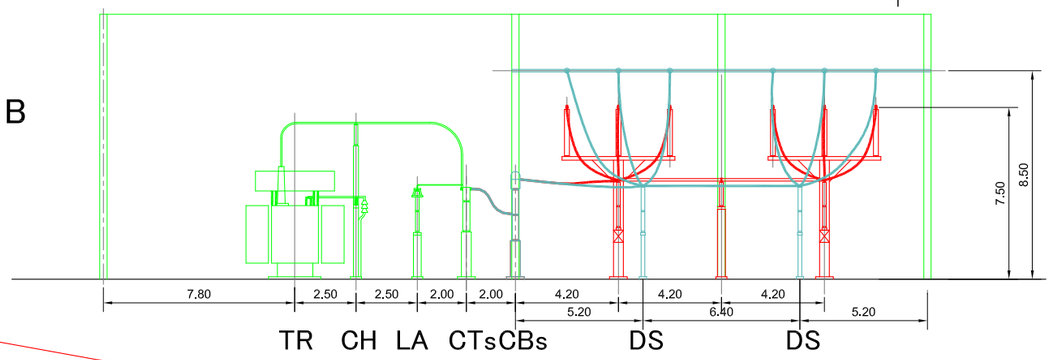


	THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU
		GIKONDO SUBSTATION PLAN OF OUTDOOR SWITCHGEAR (1/250) GIKONDO変電所 屋外機器平面配置図	SS-06	CHECKED BY	SHIMIZU
				APPROVED BY	MANITA
				DATE	Nov.05, 2010
					NIPPON KOEI CO., LTD

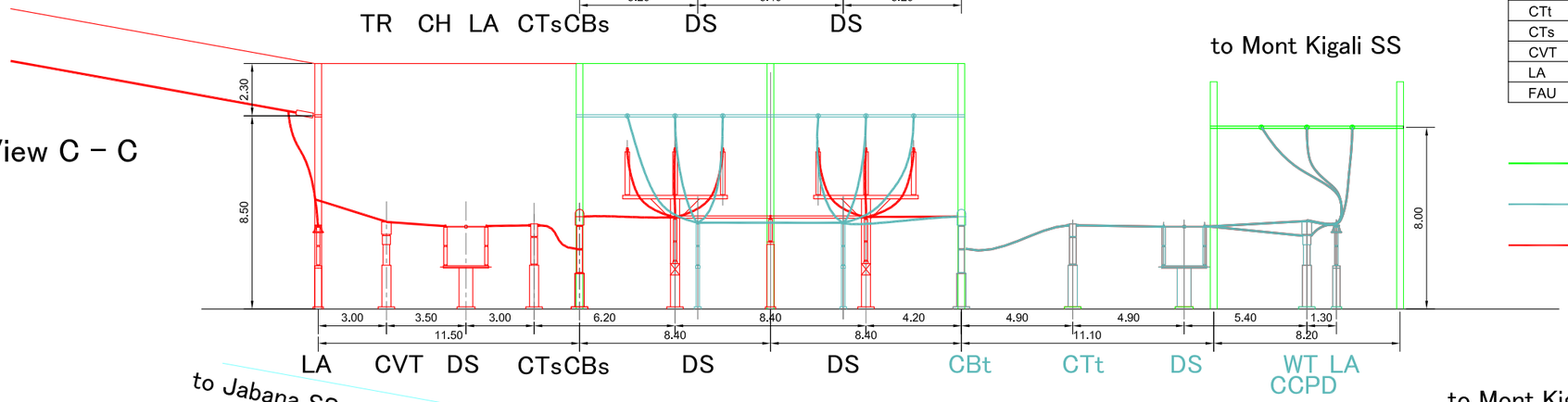
View A – A



View B – B



View C – C

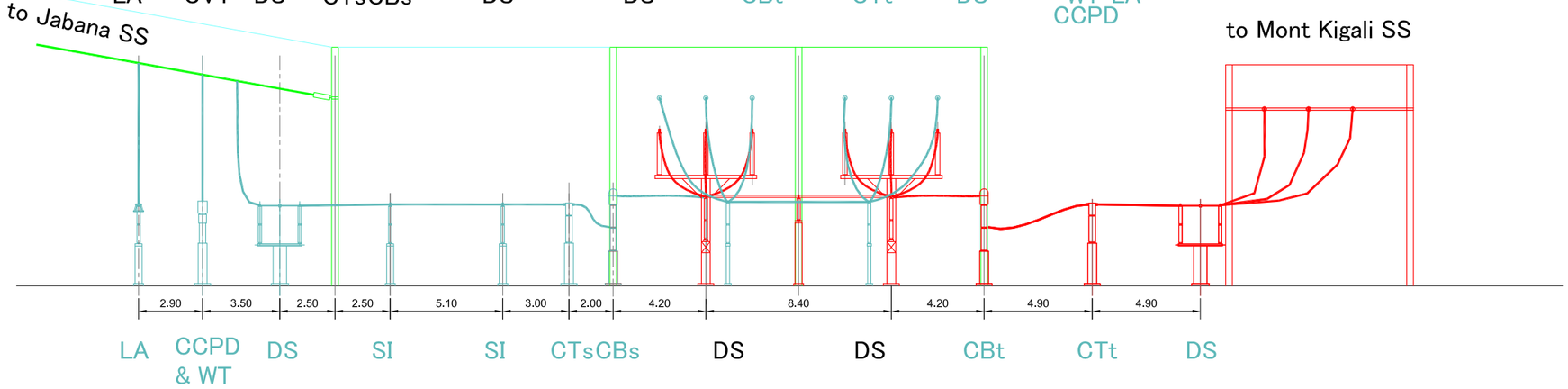


LEGEND

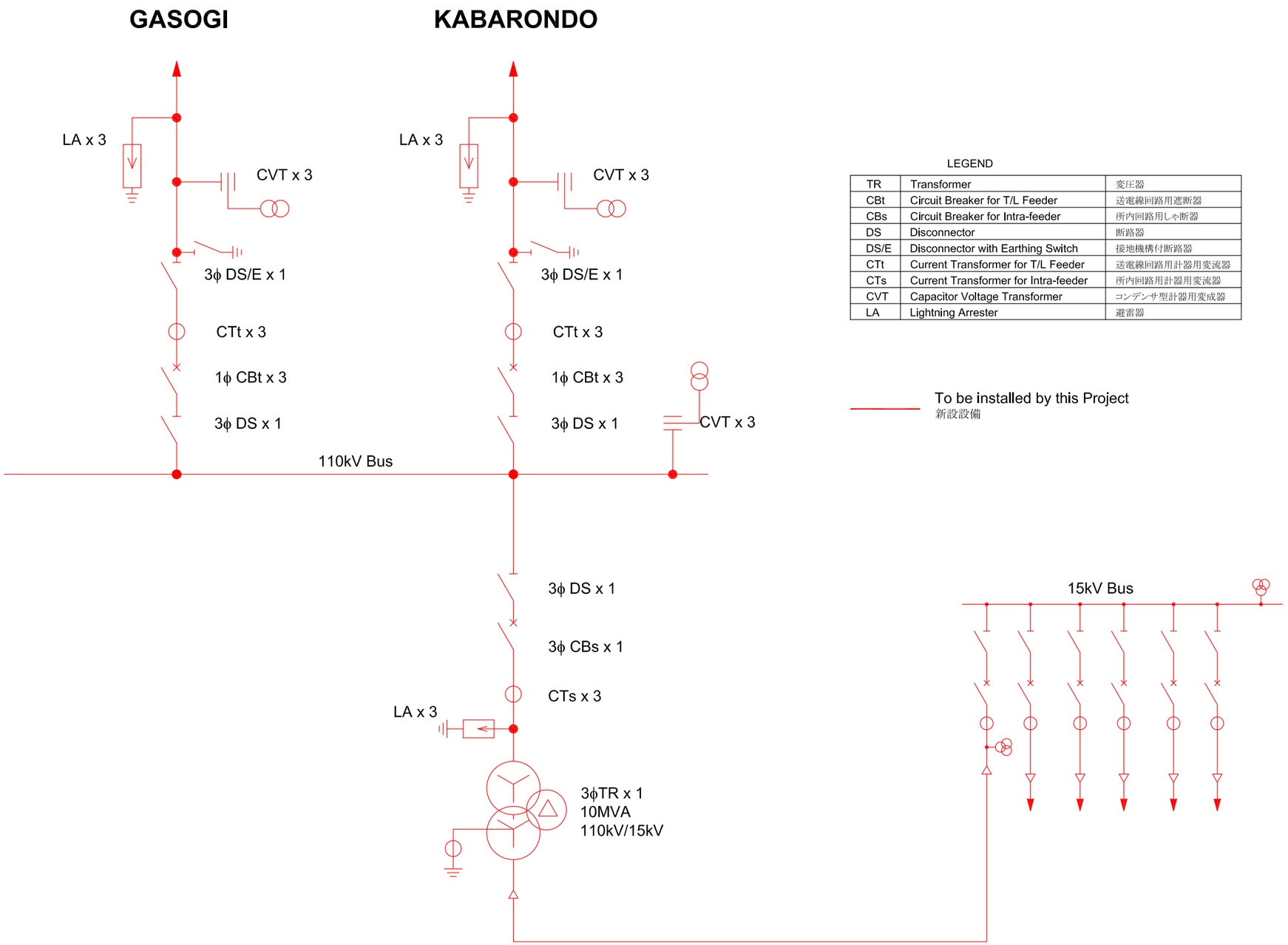
TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用しゃ断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器
FAU	Feeder Adaptation Unit	ケーブル集合パネル

Existing Facilities
既設設備
To be dismantled by this Project
撤去対象設備
To be replaced/installed by this Project
更新対象設備／新設設備

View D – D



	THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU
		GIKONDO SUBSTATION SECTION OF OUTDOOR SWITCHGEAR (1/250) GIKONDO変電所　屋外機器配置縦断図(1/250)	SS-07	CHECKED BY	SHIMIZU
				APPROVED BY	MANITA
				DATE	Nov.05, 2010
					NIPPON KOEI CO., LTD

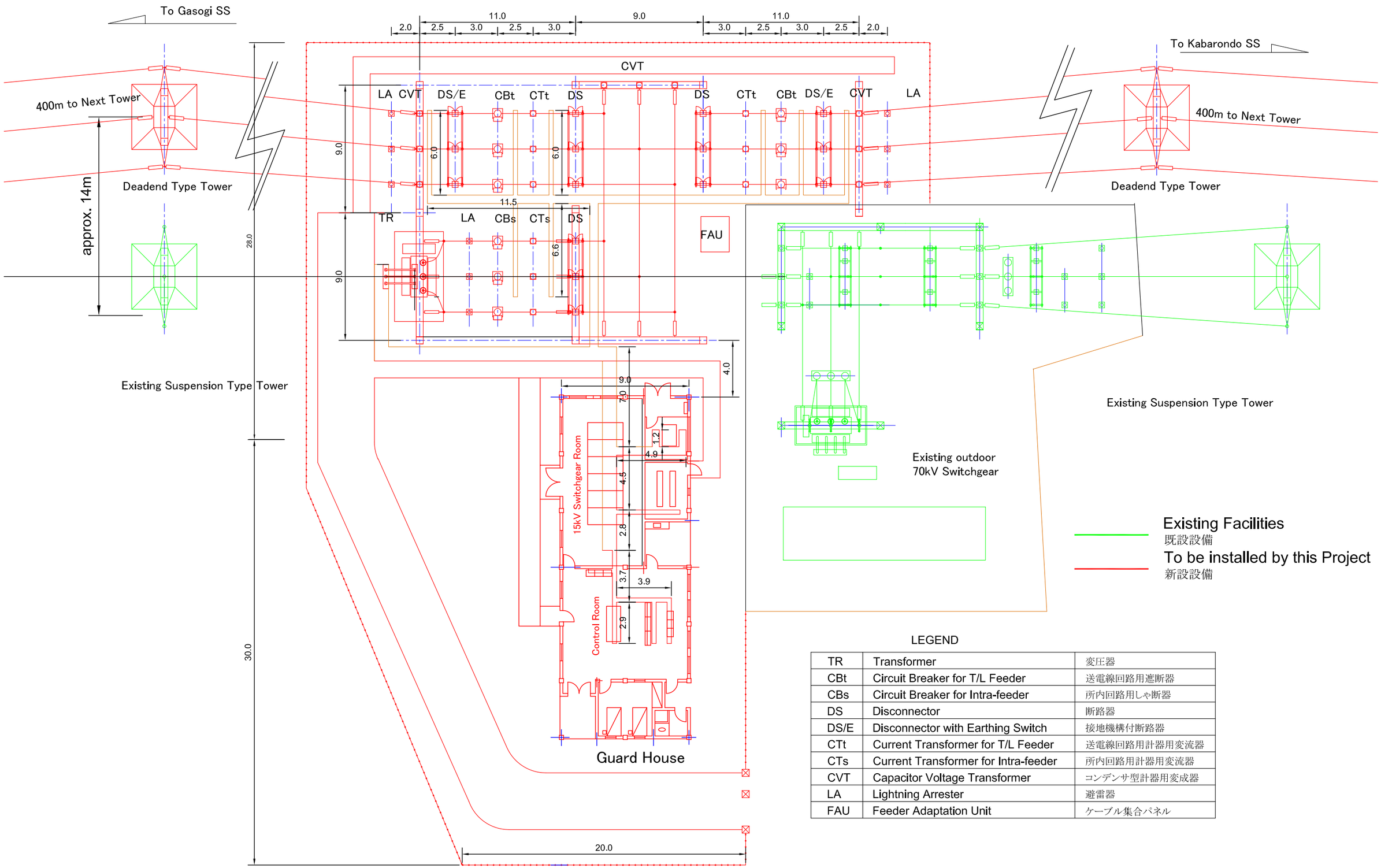


LEGEND

TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用しゃ断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器

To be installed by this Project
新設設備

	THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU
		MUSHA SUBSTATION SINGLE LINE DIAGRAM MUSHA変電所 単線結線図	SS−08	CHECKED BY	SHIMIZU
				APPROVED BY	MANITA
				DATE	Nov.05, 2010
					NIPPON KOEI CO., LTD



LEGEND

TR	Transformer	変圧器
CBt	Circuit Breaker for T/L Feeder	送電線回路用遮断器
CBs	Circuit Breaker for Intra-feeder	所内回路用しゃ断器
DS	Disconnector	断路器
DS/E	Disconnector with Earthing Switch	接地機構付断路器
CTt	Current Transformer for T/L Feeder	送電線回路用計器用変流器
CTs	Current Transformer for Intra-feeder	所内回路用計器用変流器
CVT	Capacitor Voltage Transformer	コンデンサ型計器用変成器
LA	Lightning Arrester	避雷器
FAU	Feeder Adaptation Unit	ケーブル集合パネル

THE PROJECT FOR UPGRADING AND EXPANSION OF SUBSTATION AND DISTRIBUTION NETWORK IN THE REPUBLIC OF RWANDA	DRAWING TITLE	DRAW. NO.	PREPARED BY	SHIMIZU	NIPPON KOEI CO., LTD
	MUSHA SUBSTATION OUTDOOR SWITCHGEAR LAYOUT (1/250) MUSHA変電所 屋外機器配置図 (1/250)	SS-09	CHECKED BY	SHIMIZU	
			APPROVED BY	MANITA	
			DATE	Nov.05, 2010	