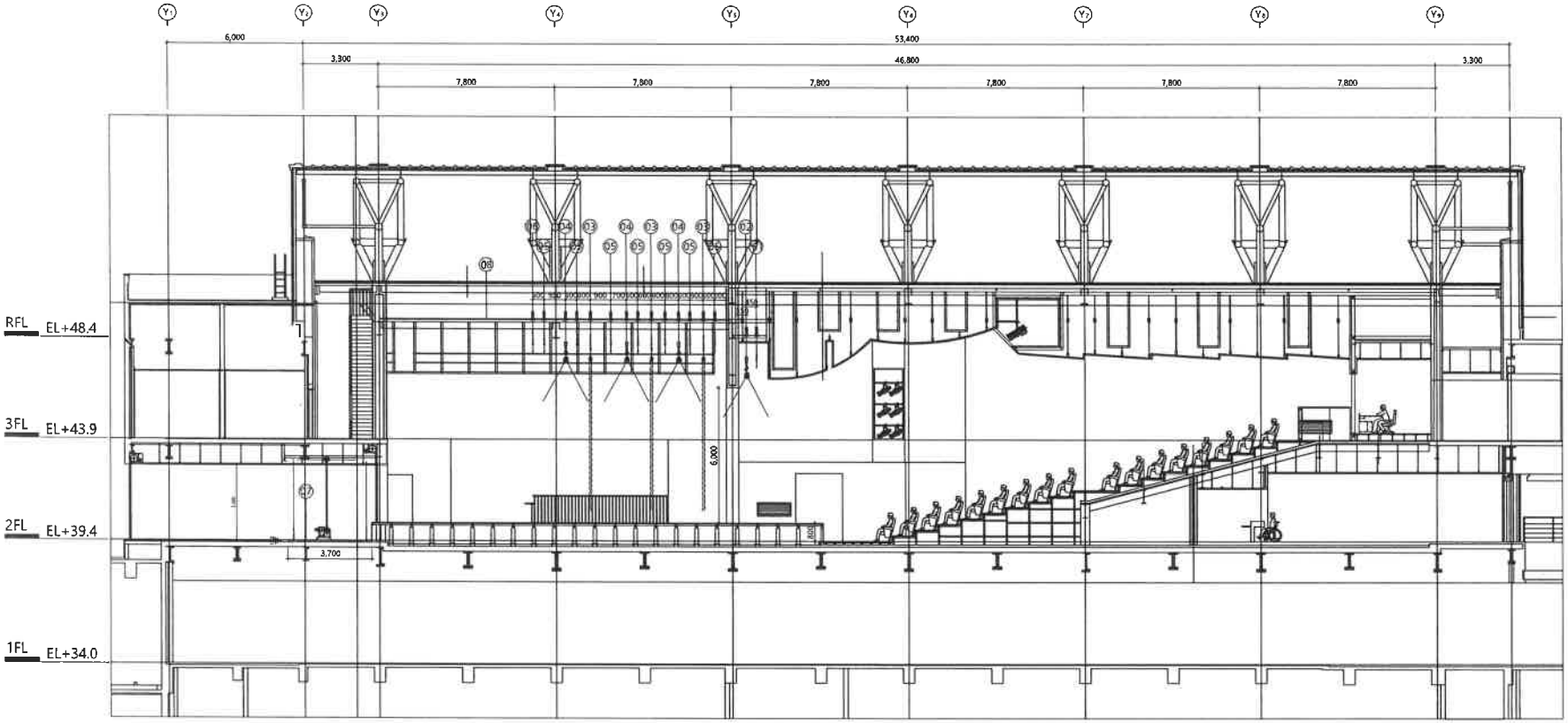
대구학생문화센터

중공연장 무대장치 - 2026. 10

(우수조달제품 제2022076호 , 물품식별번호 : 24389492)

Paik Seung Engineering

(주) 백승엔지니어링



□무대 장치 목록표

번 호	품 명	규 격 (MM)	수 량	구동방식	속 도 (M/MIN)	용 량 (KW)	지중 (DEAD LOAD)	인양하중 (LIVE LOAD)	총하중 (TOTAL LOAD)	비 고
01	PLACARD BATTEN	14,000L	1SET	WINCH TYPE	13 M/MIN	2.2KWx4P	200 KG	600 KG	800 KG	SCREW DRUM TYPE / ENCODER 포함.
02	APRON LIGHT BATTEN	14,000L	1SET	WINCH TYPE	13 M/MIN	2.2KWx4P	300 KG	500 KG	800 KG	SCREW DRUM TYPE / ENCODER 포함.
03	NO.1 DRAW CURTAIN (UP-DOWN)	17,000L x 7,200H	1SET	WINCH TYPE	13 M/MIN	2.2KWx4P	700 KG	----	700 KG	SCREW DRUM TYPE (CURTAIN 제외)
	NO.1 DRAW CURTAIN (OPEN-CLOSE)		1SET	WINCH TYPE	0~30 M/MIN	0.4KWx4P	----	150 KG	150 KG	ENCODER,INVERTER 포함.
03-1	NO.2~3 DRAW CURTAIN (UP-DOWN)	17,000L x 7,200H	2SET	WINCH TYPE	13 M/MIN	2.2KWx4P	700 KG	----	700 KG	SCREW DRUM TYPE (CURTAIN 제외)
	NO.2~3 DRAW CURTAIN (OPEN-CLOSE)		2SET	WINCH TYPE	24M/MIN	0.4KWx4P	----	150 KG	150 KG	ENCODER
04	SUSPENSION LIGHT BATTEN	14,000L	3SET	WINCH TYPE	13 M/MIN	2.2KWx4P	300 KG	500 KG	800 KG	SCREW DRUM TYPE / ENCODER 포함.
05	SET BATTEN	14,000L	7SET	WINCH TYPE	13 M/MIN	2.2KWx4P	200 KG	600 KG	800 KG	SCREW DRUM TYPE / ENCODER 포함.
06	SCREEN BATTEN	14,000L	1SET	WINCH TYPE	13 M/MIN	2.2KWx4P	200 KG	600 KG	800 KG	SCREW DRUM TYPE / ENCODER 포함. (SCREEN 제외)
07	TABLE LIFT	2,500W x 3,700L	1SET	WINCH TYPE	13M/MIN	2.2KWx4P	100 KG/M^2	100 KG/M^2	200 KG/M^2	
08	GRID IRON		1식							
09	CONTROL SYSTEM	PLC제어	1식							
10	PIPING & WIRING		1식							

중공연장 무대장치 단면도

SCALE : 1 /200

CLIENT

대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계 Design

Paik Seung Engineering
(주) 백승엔지니어링

No	Revision Description	Date

설계명 Project

대구학생문화센터
중공연장 무대장치

담당

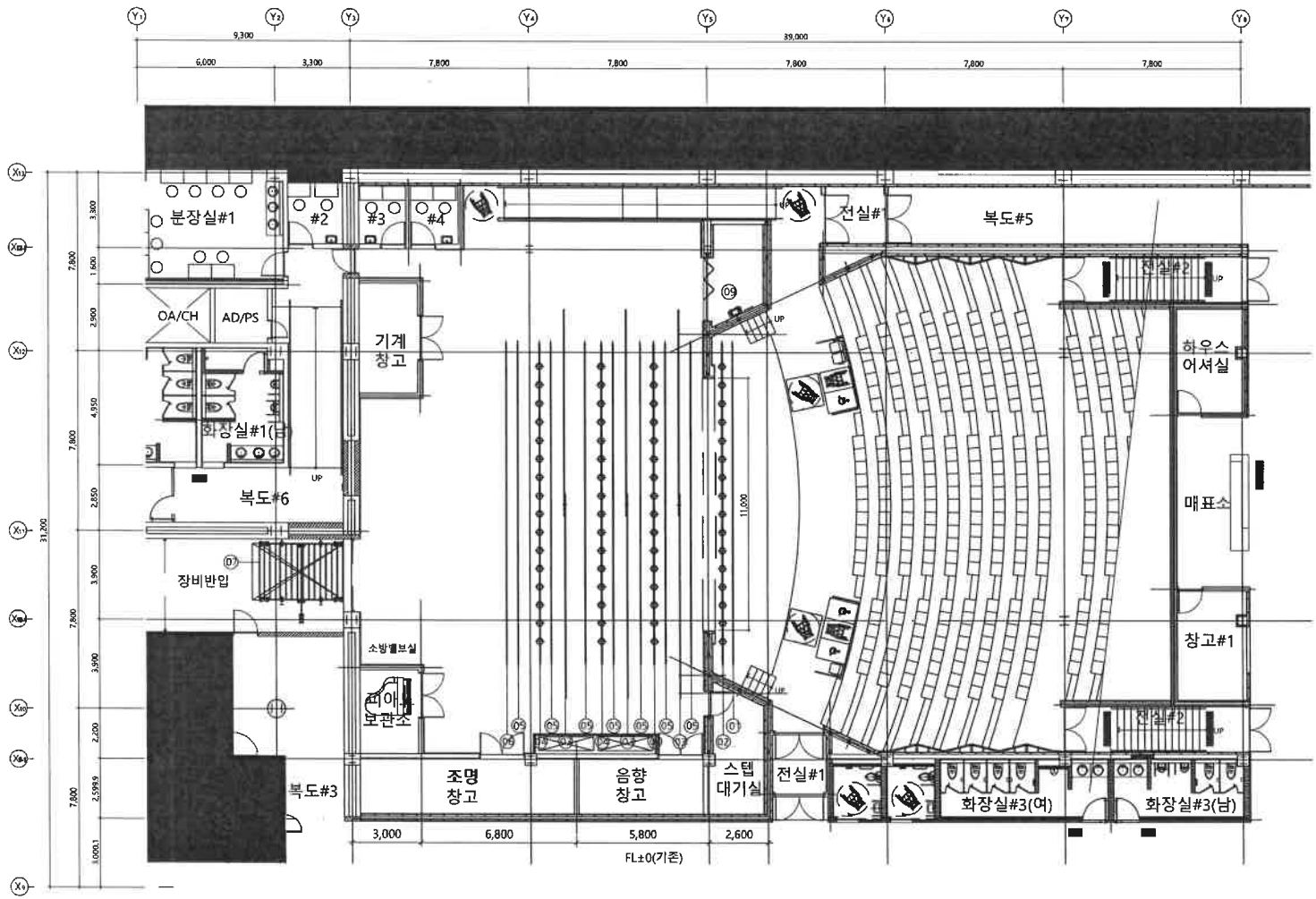
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용역설계 Consultant

도면명

무대장치 단면도

Scale	A1 : 1 / 80
	2025. 06.
프로젝트번호 Project No.	
도면번호 Drawing No.	BS - 001
일련번호 Sheet No.	-



중공연장 무대장치 평면도

SCALE : 1 /200

CLIENT

대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계 Design

Paik Seung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명 Project

대구학생문화센터
중공연장 무대장치

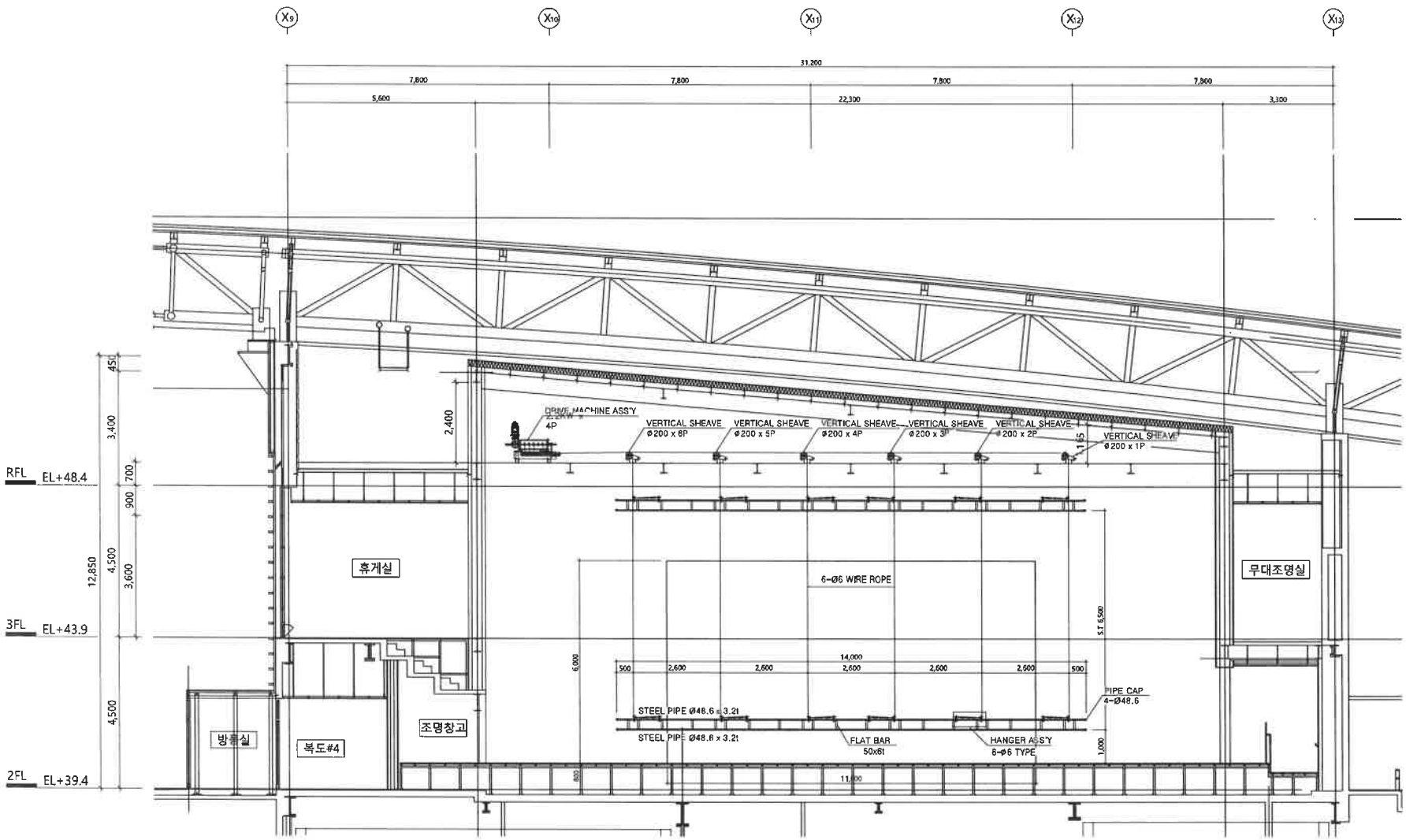
승인 Approved by	–	
검토 Checked by	–	
담당 Drawn by	–	

협력설계 Consultant

도면명 Title

중공연장
무대장치 평면도

축척 Scale	A3 : 1 / 200
일자 Date	2026. 06.
프로젝트번호 Project No.	
도면번호 Drawing No.	BS - 002
원본번호 Sheet No.	



중공연장 무대장치 횡단면도

SCALE : 1 /120

CLIENT

대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

Design

Poik Sung Engineering
(주) 폭성엔지니어링

No.	Revision Description	Date
△		
△		

Project

대구학생문화센터
중공연장 무대장치

Approved by	-	
Checked by	-	
Drawn by	-	

Consultant

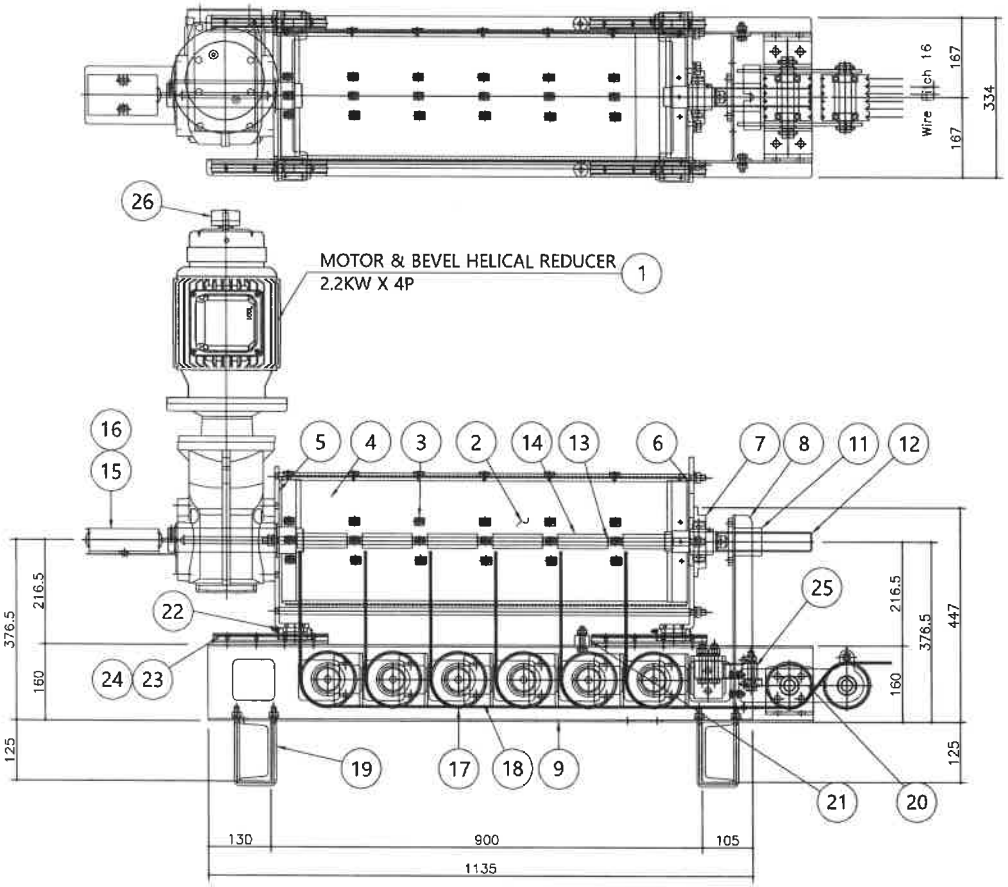
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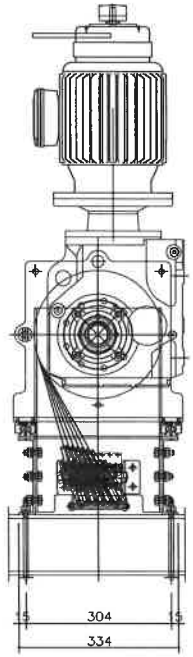
중공연장
무대장치 횡단면도

Scale	A3 : 1 / 120
Date	2026. 06.
Project No.	
Drawing No.	BS - 003
Sheet No.	-

NOTE 설치시 유의사항

- 본 도면에 제시된 상세도 및 사양은 설계를 위한 참조용이며, 시방사양의 등급이상 제품 반영
- 구동부 위치는 현장 설치 위치에 따라 (좌,우)변경될 수 있음
- 제작설치시 현장 여건에 따라 치수 및 부품 위치는 변경될 수 있음





DRIVE MACHINE ASS'Y

NO	DESCRIPTION	Q'TY	REMARK	NO	DESCRIPTION	Q'TY	REMARK	NO	DESCRIPTION	Q'TY	REMARK	NO	DESCRIPTION	Q'TY	REMARK
7	BEARING UNITS	1		14	이탈방지 ROLLER	6		21	STOPPER	2					
6	SIDE PLATE - B	1		13	이탈방지 SHAFT	1		20	GUIDE ROLLER ASS'Y	1					
5	SIDE PLATE - A	1		12	TM NUT	1		19	U-BOLT	4		26	ENCODER	1	
4	FIXED BAR	3		11	TM SCREW	1		18	SHEAVE BASE	6		25	로드셀	1	
3	WIRE CLIP	18		10	SIDE BRACKET	1		17	TILTING SHEAVE ASSY	6		24	GUIDE RAIL BASE	2	
2	SCREW DRUM	1		9	MACHINE BASE	2		16	LIMIT BRACKET	1		23	GUIDE RAIL	4	
1	DRIVE MACHINE	1		8	TM NUT SUPPORT	1		15	CAM LIMIT SWITCH	1		22	LM GUIDE BLOCK	4	

CLIENT
대구광역시교육청

Project Title
대구학생문화센터
중공연장 설치공사

NOTE

설계 Design
Poik Sung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date
△		
△		

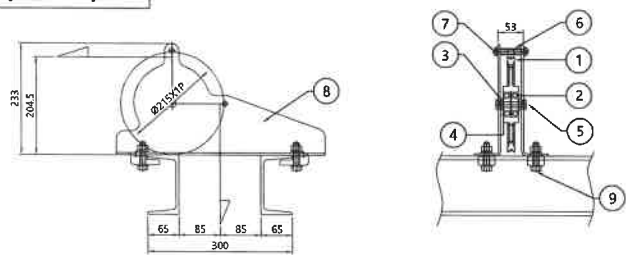
설계명 Project
대구학생문화센터
중공연장 무대장치

승인 Approved by	-	
검토 Checked by	-	
담당 Drawn by	-	
협력설계 Consultant		

도면명 Title
중공연장
구동부 ASS'Y

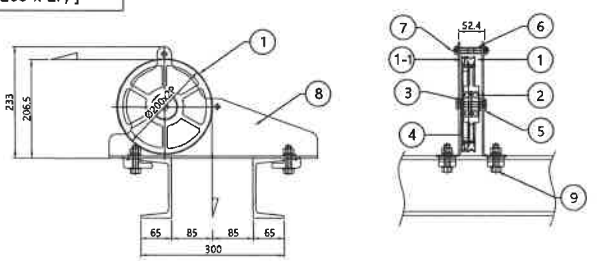
축척 Scale	A3 : 1 / 16
일자 Date	2026. 06.
프로젝트번호 Project No.	
도면번호 Drawing No.	BS - 004
참조번호 Sheet No.	-

Vertical Sheave [Ø200 x 1P]



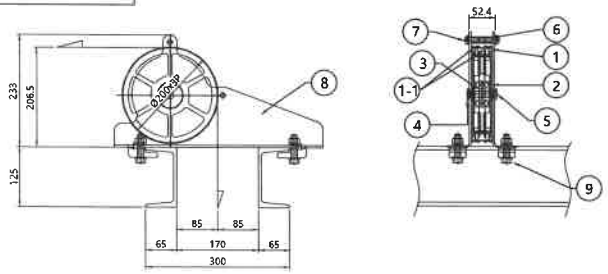
품번	품 명	규 격	재 질	수량	품번	품 명	규 격	재 질	수량
1	Sheave	Ø215 x 1P	pl	1	6	로프 이탈방지 파이프	Ø13.8 x 44L	STPG	2
2	Ball Bearing	#6204zz		2	7	등근머리 렌치볼트	M10 x 25L		4
3	Shaft	Ø20 x 50L	S45C	1	8	Side Plate	PL3.2T	SS400	2
4	Snap Ring	Ø20 축용		2	9	BOLT SET	M12 x 50L		4
5	Snap Ring	Ø20 축용		2					

2 Vertical Sheave [Ø200 x 2P,]



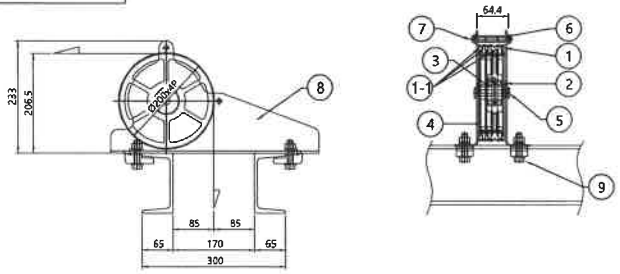
품번	품 명	규 격	재 질	수량	품번	품 명	규 격	재 질	수량
1	Sheave	Ø200 x 2P	GC20	1	5	Snap Ring	Ø25 축용		2
1-1	Sheave	Ø200 x 1P	pl	1	6	로프 이탈방지 파이프	Ø16.8 x 50L	STPG	2
2				2	7	볼트	M10 x 65L		4
3	Shaft	Ø25 x 56L	S45C	1	8	Side Plate	PL 3.2T	SS400	2
4	링 가락지	Ø27 축용		2	9	BOLT SET	M12 x 50L		4

Vertical Sheave [Ø200 x 3P]



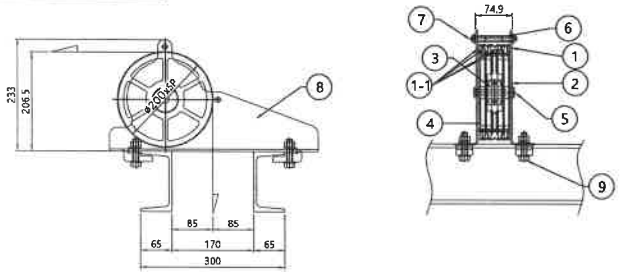
품번	품 명	규 격	재 질	수량	품번	품 명	규 격	재 질	수량
1	Sheave	Ø200 x 2P	GC20	1	5	Snap Ring	Ø25 축용		2
1-1	Sheave	Ø200 x 1P	pl	2	6	로프 이탈방지 파이프	Ø16.8 x 50L	STPG	2
2	Ball Bearing	#6205zz		2	7	볼트	M10 x 65L		4
3	Shaft	Ø25 x 56L	S45C	1	8	Side Plate	PL 3.2T	SS400	2
4	링 가락지	Ø27 축용		2	9	BOLT SET	M12 x 50L		4

4 Vertical Sheave [Ø200 x 4P]



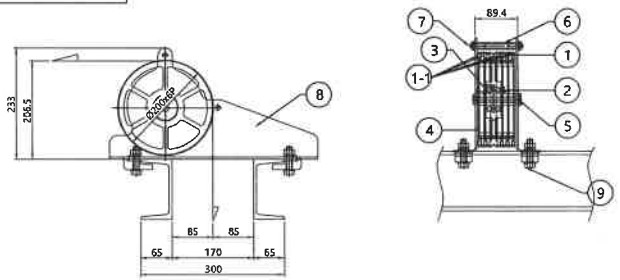
품번	품 명	규 격	재 질	수량	품번	품 명	규 격	재 질	수량
1	Sheave	Ø200 x 2P	GC20	1	5	Snap Ring	Ø25 축용		2
1-1	Sheave	Ø200 x 1P	pl	3	6	로프 이탈방지 파이프	Ø16.8 x 50L	STPG	2
2	Ball Bearing	#6205zz		2	7	볼트	M10 x 65L		4
3	Shaft	Ø25 x 56L	S45C	1	8	Side Plate	PL 3.2T	SS400	2
4	링 가락지	Ø27 축용		2	9	BOLT SET	M12 x 50L		4

Vertical Sheave [Ø200 x 5P]



품번	품 명	규 격	재 질	수량	품번	품 명	규 격	재 질	수량
1	Sheave	Ø200 x 2P	GC20	1	5	Snap Ring	Ø25 축용		2
1-1	Sheave	Ø200 x 1P	pl	4	6	로프 이탈방지 파이프	Ø16.8 x 50L	STPG	2
2	Ball Bearing	#6205zz		2	7	볼트	M10 x 65L		4
3	Shaft	Ø25 x 56L	S45C	1	8	Side Plate	PL 3.2T	SS400	2
4	링 가락지	Ø27 축용		2	9	BOLT SET	M12 x 50L		4

2 Vertical Sheave [Ø200 x 6P,]



품번	품 명	규 격	재 질	수량	품번	품 명	규 격	재 질	수량
1	Sheave	Ø200 x 2P	GC20	1	5	Snap Ring	Ø25 축용		2
1-1	Sheave	Ø200 x 1P	pl	5	6	로프 이탈방지 파이프	Ø16.8 x 50L	STPG	2
2	Ball Bearing	#6205zz		2	7	볼트	M10 x 65L		4
3	Shaft	Ø25 x 56L	S45C	1	8	Side Plate	PL 3.2T	SS400	2
4	링 가락지	Ø27 축용		2	9	BOLT SET	M12 x 50L		4

CLIENT

대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계 Design

Paik Seung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명 Project

대구학생문화센터
중공연장 무대장치

승인 Approved by	-	
검토 Checked by	-	
담당 Drawn by	-	
용역설계 Consultant		

도면명 Title

중공연장
활차 ASS'Y

축척 Scale	A3 : 1 / 16
일자 Date	2026. 06.
프로젝트번호 Project No	
도면번호 Drawing No	BS - 005
일련번호 Sheet No	-

TOP STAGE ELECTRIC SPECIFICATION

ITEM NO	PANEL NO	ELEC NO	DESCRIPTION	POWER (kW X P)	SPEED (M/MIN)	TYPE	MCCB	정격차단 전류	MAGNETIC S/W	EOCR	LIMIT S/W	BK	INVERTER	ENCODER	REACTOR	REMARK
			POWER PANEL	---	---	---	---		---	---	---	---	---	---	---	
3.01	1	1	PLACARD BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.05		2	NO.1 DRAW CURTAIN (UP-DN)	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---		---	
3.05		3	NO.1 DRAW CURTAIN (OP-CL)	0.4KW X 4P	0~30	WINDING WINCH	30AF/ 5A(EBS33c)	14kA	MC-12b X 2EA	SS-05	CAM	MC-9a	FR-A840-0.4KW	RIA80-1024VLG-12Ø	---	
3.09	2	4	NO.2 DRAW CURTAIN (UP-DN)	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---		---	
3.09		5	NO.2 DRAW CURTAIN (OP-CL)	0.4KW X 4P	24	WINDING WINCH	30AF/ 5A(EBS33c)	14kA	MC-9b X 2EA	SS-05	CAM		---	RIA80-1024VLG-12Ø	---	
3.10		6	NO.3 DRAW CURTAIN (UP-DN)	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---		---	
3.10		7	NO.3 DRAW CURTAIN (OP-CL)	0.4KW X 4P	24	WINDING WINCH	30AF/ 5A(EBS33c)	14kA	MC-9b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.03		8	NO.1 FLY SET BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.03		9	NO.2 FLY SET BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.03		10	NO.3 FLY SET BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.07		11	NO.4 FLY SET BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.11		12	NO.5 FLY SET BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.11		13	NO.6 FLY SET BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.12		14	NO.7 FLY SET BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.12		15	SCREEN BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.08	3	16	APRON LIGHT BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(ABS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.06		17	NO.1 SUSPENTION LIGHT BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(ABS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.04		18	NO.2 SUSPENTION LIGHT BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(ABS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.04		19	NO.3 SUSPENTION LIGHT BATTEN	2.2KW X 4P	13	WINDING WINCH	30AF/15A(ABS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---	RIA80-1024VLG-12Ø	---	
3.04	4	20	TABLE LIFT	2.2KW X 4P	13	WINDING WINCH	30AF/15A(EBS33c)	14kA	MC-12b X 2EA	SS-30	CAM		---		---	
			PLC													
			TOTAL LOAD	77kW X 60% = 46.2kW												

TOP STAGE ELECTRIC CABLE SCHEDULE

ITEM NO	PANEL NO	ELEC NO	DESCRIPTION	POWER (kW X P)	SPEED (M/MIN)	TYPE	MOTOR	BRAKE	LIMIT	ENCODER	LOAD CELL	REMARK
			POWER PANEL	---	---	---	---	---	---	---	---	
3.01	1	1	PLACARD BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.05		2	NO.1 DRAW CURTAIN (UP-DN)	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.05		3	NO.1 DRAW CURTAIN (OP-CL)	0.4KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.09	2	4	NO.2 DRAW CURTAIN (UP-DN)	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C		SHIELD CABLE 0.5SQ X 2PR	
3.09		5	NO.2 DRAW CURTAIN (OP-CL)	0.4KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.10		6	NO.3 DRAW CURTAIN (UP-DN)	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C		SHIELD CABLE 0.5SQ X 2PR	
3.10		7	NO.3 DRAW CURTAIN (OP-CL)	0.4KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.03		8	NO.1 FLY SET BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.03		9	NO.2 FLY SET BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.03		10	NO.3 FLY SET BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.07		11	NO.4 FLY SET BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.11		12	NO.5 FLY SET BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.11		13	NO.6 FLY SET BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.12		14	NO.7 FLY SET BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.12		15	SCREEN BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.08	3	16	APRON LIGHT BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.06		17	NO.1 SUSPENTION LIGHT BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.04		18	NO.2 SUSPENTION LIGHT BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
3.04		19	NO.3 SUSPENTION LIGHT BATTEN	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 5C	SHIELD CABLE 0.5SQ X 3PR	SHIELD CABLE 0.5SQ X 2PR	
	4	20	TABLE LIFT	2.2KW X 4P		WINDING WINCH	F-CV 2.5SQ X 4C	F-CVV 1.5SQ X 2C	CVV-SB 0.75SQ X 7C	SHIELD CABLE 0.5SQ X 3PR		
			PLC									
			TOTAL LOAD	38.6kW X 60% = 23.16kW								

CLIENT

대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계 Design

Polk Sung Engineering
(주) 폭승엔지니어링

No.		
	Revision Description	Date

설계명 Project

대구학생문화센터
중공연장 무대장치

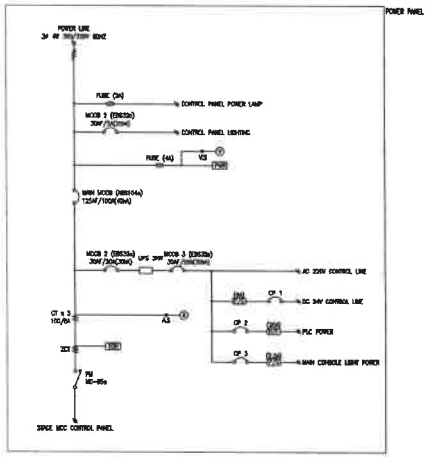
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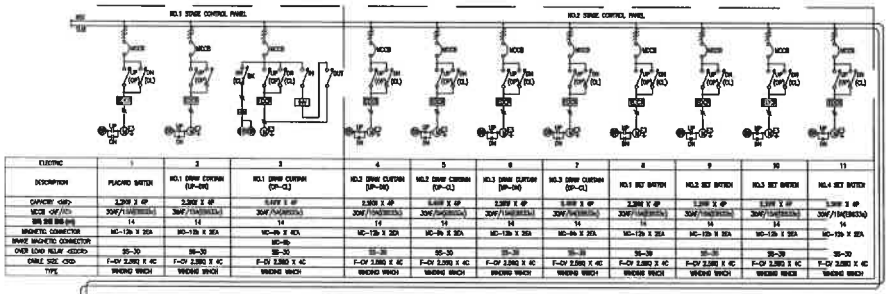
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무대기계제어
사양서

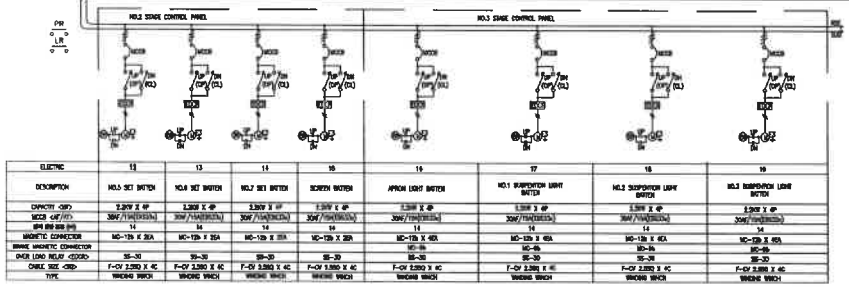
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	2026. 06.
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도면번호 Drawing No.	BS - 006
일련번호 Sheet No.	-



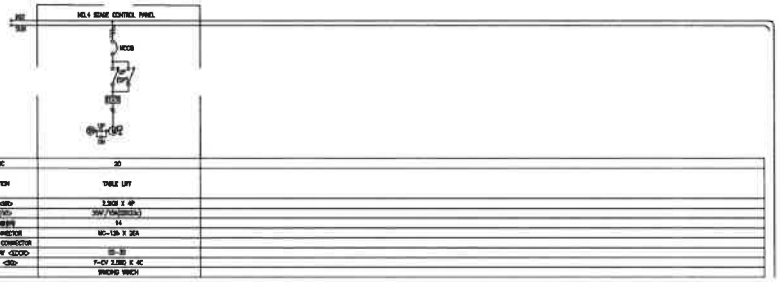
SYMBOL	DESCRIPTION
MCCB	MOLDED-CASE CIRCUIT BREAKER
PB	PUSH BUTTON SWITCH (LIGHTED)
FUSE	FUSE
WIRES	WIRES
MCCB	MOLDED-CASE CIRCUIT BREAKER
CIRCUIT PROTECTOR	CIRCUIT PROTECTOR
FAN	FAN
POWER SUPPLY	POWER SUPPLY
TERMINALS	TERMINALS
CURRENT TRANSFORMER	CURRENT TRANSFORMER
ZERO CT	ZERO CT
TERMINAL BLOCK	TERMINAL BLOCK
VOLTMETER	VOLTMETER
AMPERE METER	AMPERE METER
VOLTAGE SELECT SWITCH	VOLTAGE SELECT SWITCH
AMPERE SELECT SWITCH	AMPERE SELECT SWITCH
EARTH	EARTH
MOTOR	MOTOR
BRAKE	BRAKE
BRAKE UNIT	BRAKE UNIT
UPS	UPS



ELECTRIC	1	2	3	4	5	6	7	8	9	10	11
DESCRIPTION	PLACARD SWITCH	NO.1 DRAW CURTAIN (UP-DN)	NO.1 DRAW CURTAIN (CP-C1)	NO.2 DRAW CURTAIN (UP-DN)	NO.2 DRAW CURTAIN (CP-C1)	NO.3 DRAW CURTAIN (UP-DN)	NO.3 DRAW CURTAIN (CP-C1)	NO.1 SET SWITCH	NO.2 SET SWITCH	NO.3 SET SWITCH	NO.4 SET SWITCH
CAPACITY <3P>	2.2KW X 4P	3.2KW X 4P	5.5KW X 4P	3.2KW X 4P	5.5KW X 4P	3.2KW X 4P	5.5KW X 4P	3.2KW X 4P	3.2KW X 4P	3.2KW X 4P	3.2KW X 4P
MCCB <AF/AT>	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/5A[EBS32c]	30AF/15A[EBS32c]	30AF/5A[EBS32c]	30AF/15A[EBS32c]	30AF/5A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]
MAIN CIRCUIT WIRE [mm²]	14	14	14	14	14	14	14	14	14	14	14
MAGNETIC CONNECTOR	MC-12b X 2EA	MC-12b X 2EA	MC-09 X 4EA	MC-12b X 2EA	MC-09 X 2EA	MC-12b X 2EA	MC-09 X 2EA	MC-12b X 2EA	MC-12b X 2EA	MC-12b X 2EA	MC-12b X 2EA
BRAKE MAGNETIC CONNECTOR			MC-09								
OVER LOAD RELAY <EOCR>	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30
CABLE SIZE <SQ>	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C
TYPE	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH



ELECTRIC	12	13	14	15	16	17	18	19
DESCRIPTION	NO.3 SET SWITCH	NO.4 SET SWITCH	NO.2 SET SWITCH	SCREEN SWITCH	APRON LIGHT SWITCH	NO.1 SUSPENTION LIGHT SWITCH	NO.2 SUSPENTION LIGHT SWITCH	NO.3 SUSPENTION LIGHT SWITCH
CAPACITY <3P>	2.2KW X 4P	3.2KW X 4P	3.2KW X 4P	2.2KW X 4P	3.2KW X 4P	3.2KW X 4P	3.2KW X 4P	3.2KW X 4P
MCCB <AF/AT>	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]	30AF/15A[EBS32c]
MAIN CIRCUIT WIRE [mm²]	14	14	14	14	14	14	14	14
MAGNETIC CONNECTOR	MC-12b X 2EA	MC-12b X 2EA	MC-12b X 2EA	MC-12b X 2EA	MC-12b X 4EA	MC-12b X 4EA	MC-12b X 4EA	MC-12b X 4EA
BRAKE MAGNETIC CONNECTOR					MC-09	MC-09	MC-09	MC-09
OVER LOAD RELAY <EOCR>	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30	3S-30
CABLE SIZE <SQ>	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C	F-CV 2.0SQ X 4C
TYPE	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH	WINDING WINCH



ELECTRIC	20
DESCRIPTION	TABLE LIFT
CAPACITY <3P>	2.2KW X 4P
MCCB <AF/AT>	30AF/15A[EBS32c]
MAIN CIRCUIT WIRE [mm²]	14
MAGNETIC CONNECTOR	MC-12b X 2EA
BRAKE MAGNETIC CONNECTOR	
OVER LOAD RELAY <EOCR>	3S-30
CABLE SIZE <SQ>	F-CV 2.0SQ X 4C
TYPE	WINDING WINCH

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대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계
Design

Poik Seung Engineering
(주) 백승엔지니어링

No		
	Revision Description	Date

용역명
Project

대구학생문화센터
중공연장 무대장치

담당

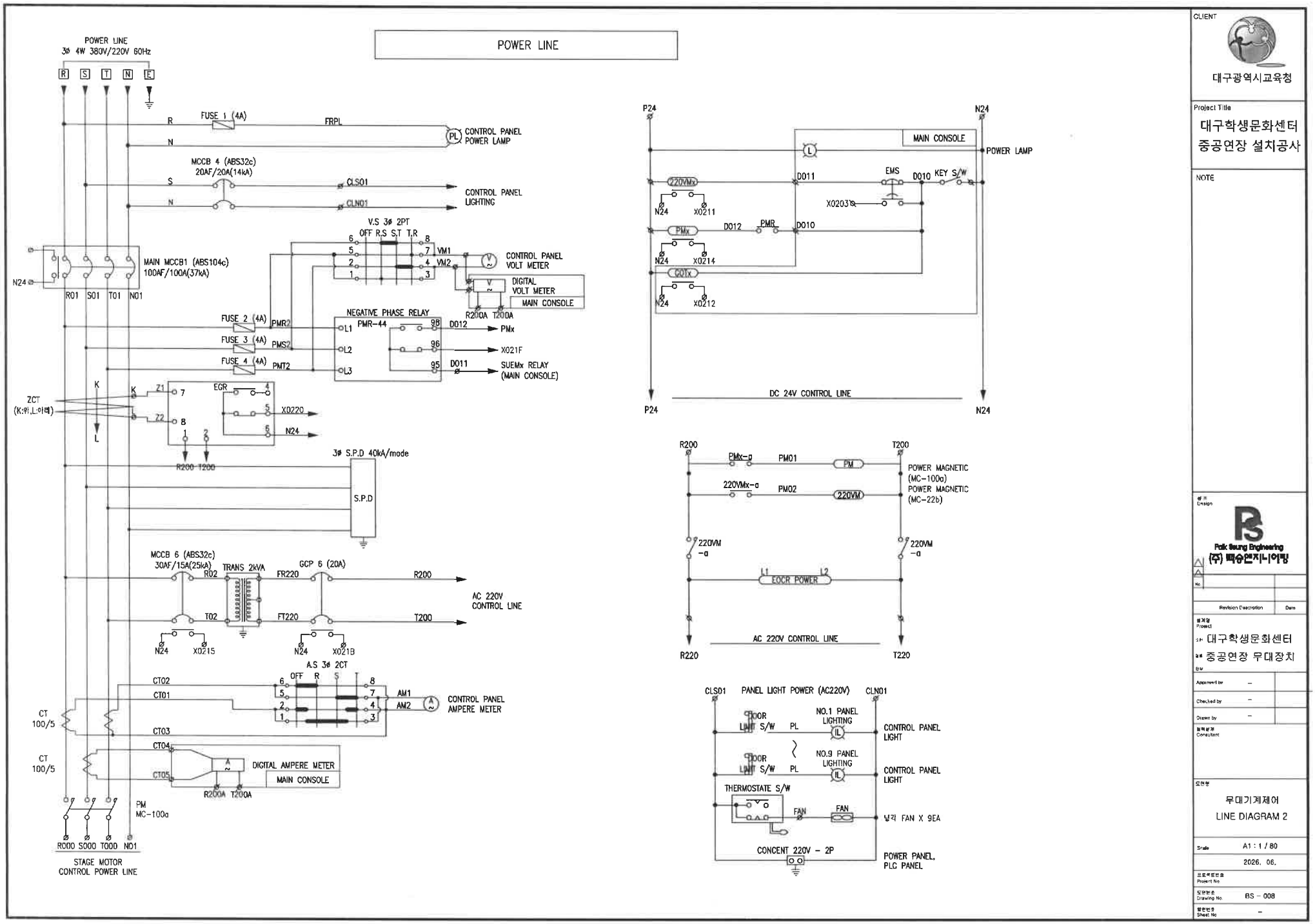
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협력설계
Consultant

도면명

무대기계제어
LINE DIAGRAM 1

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	2026. 06.
프로젝트번호 Project No	
도면번호 Drawing No.	BS - 007
일련번호 Sheet No.	-



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대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

Design

Paik Seung Engineering
(주) 백승은지니어링

No.	Revision Description	Date

Project

대구학생문화센터
중공연장 무대장치

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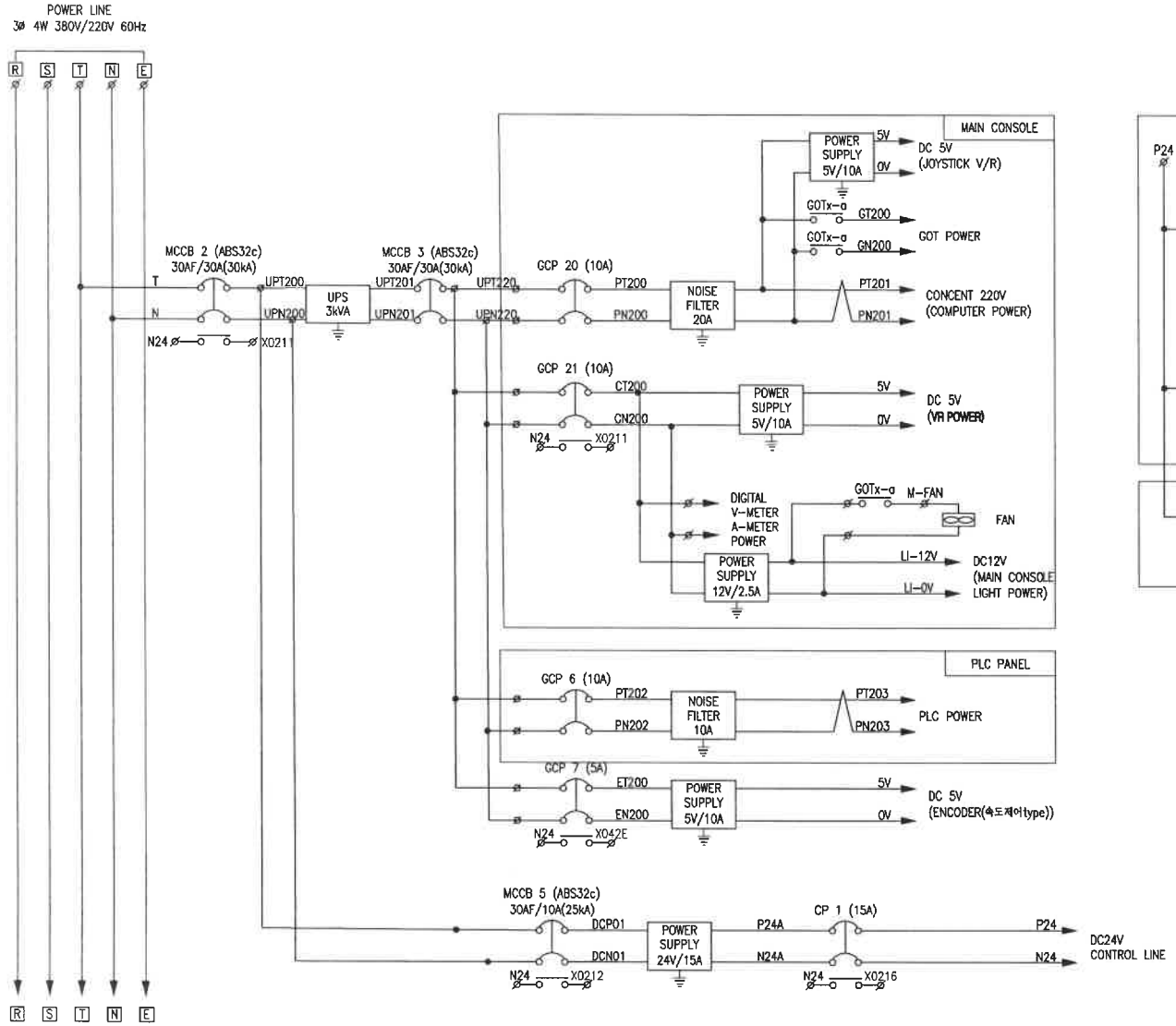
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도면명

무대기계제어
LINE DIAGRAM 2

Scale	A1 : 1 / 80
	2026. 06.
Project No.	
Drawing No.	BS – 008
Sheet No.	–

POWER LINE



SYMBOL	DESCRIPTION
⏚E3	3종 접지

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대구광역시교육청

Project Title

대구학생문화센터
증공연장 설치공사

NOTE

설계 Design

Pak Sung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명 Project

대구학생문화센터
증공연장 무대장치

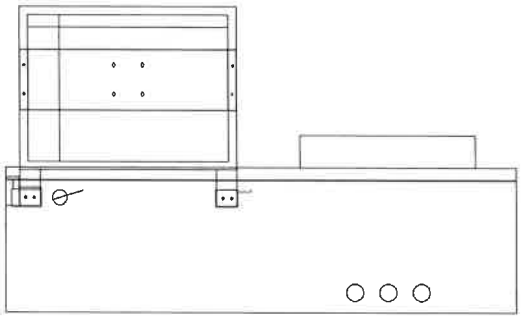
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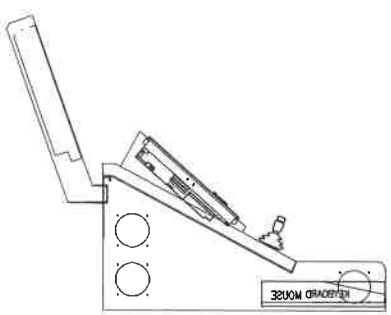
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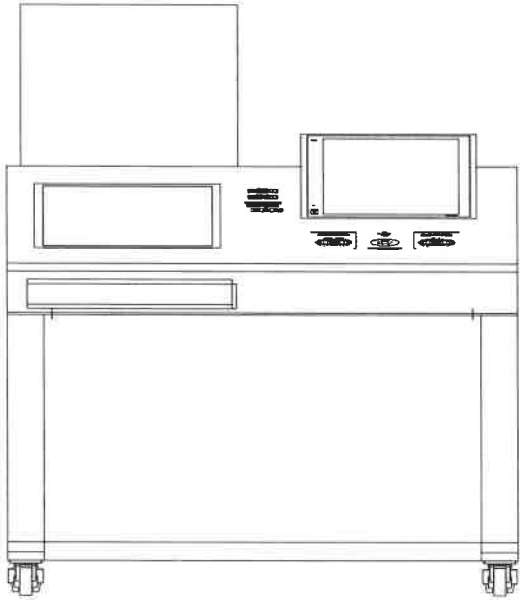
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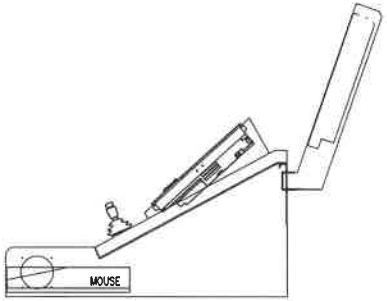
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LINE DIAGRAM 3

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프로젝트번호 Project No.	
도면번호 Drawing No.	BS - 009
일련번호 Sheet No.	









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대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계
Design

Paik Seung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명
Project

명칭 대구학생문화센터
중공연장 무대장치

담당

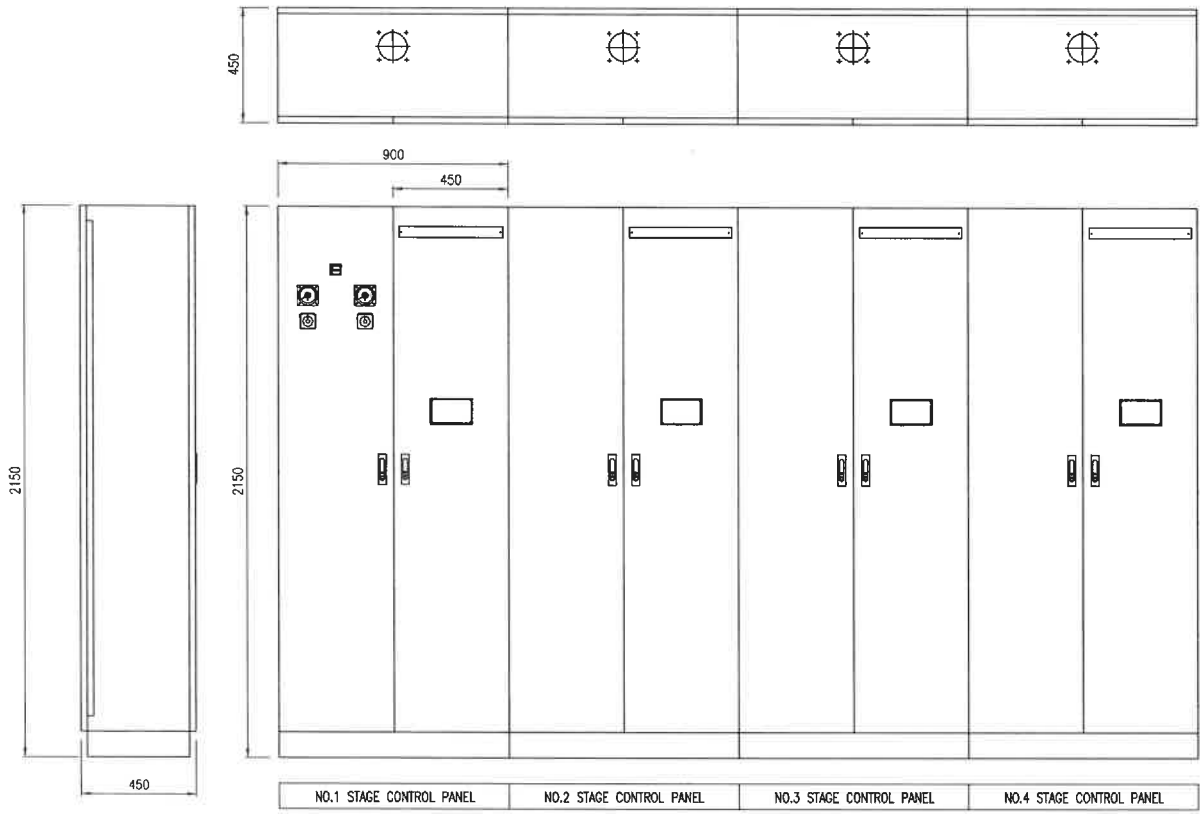
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Consultant

도면명

무대기계제어
조작반

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문서제목번호 Project No.	
도면번호 Drawing No.	BS - 010
일련번호 Sheet No.	–



CLIENT

대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계
Design

Paik Seung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

공사명
Project

대구학생문화센터
중공연장 무대장치

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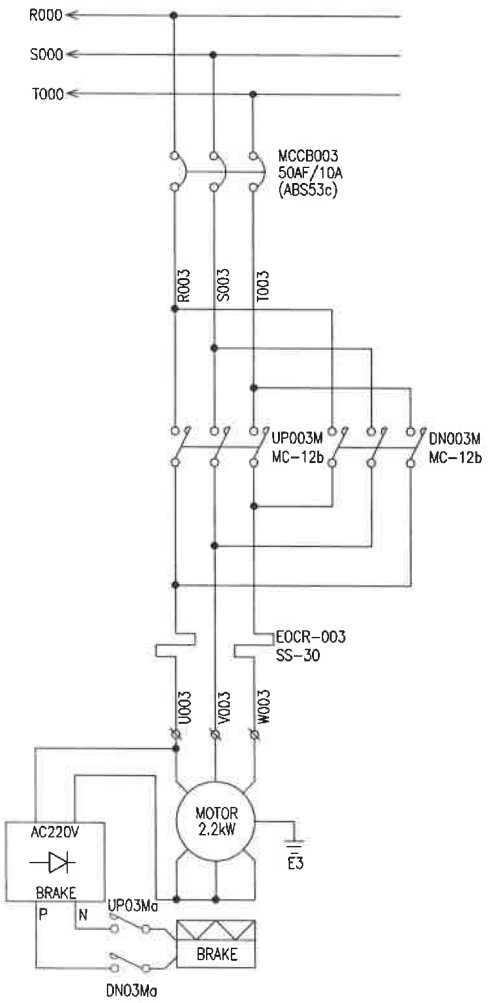
용역설계
Consultant

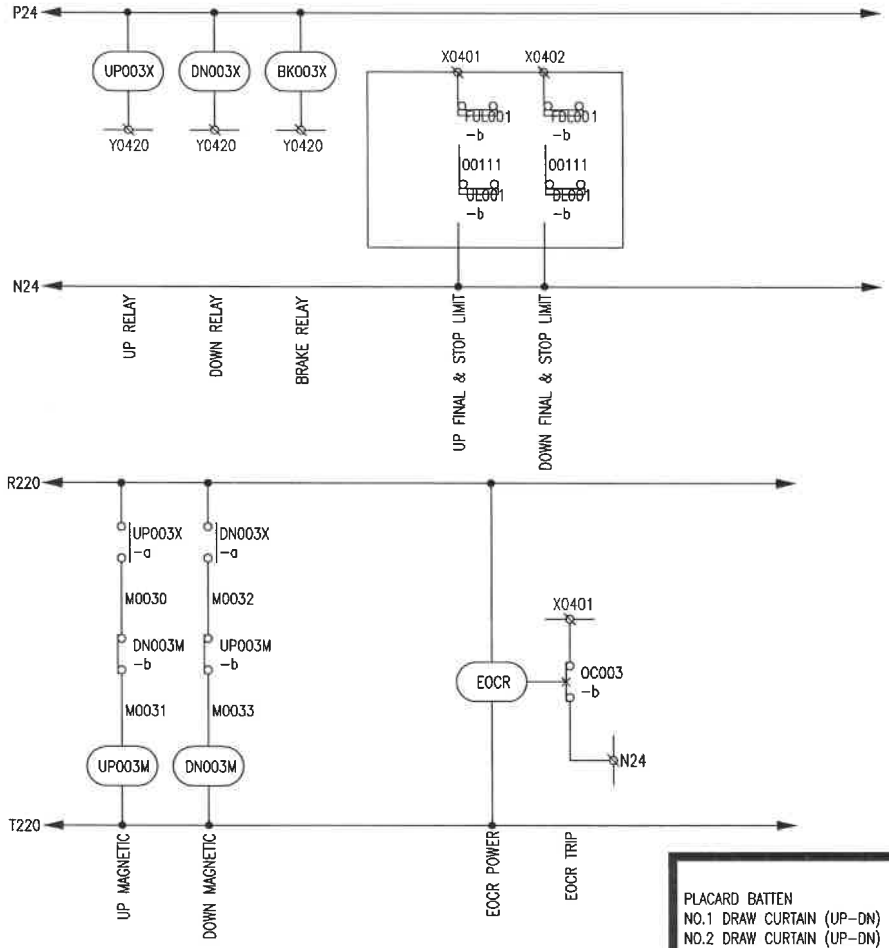
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무대기계제어
CONTROL PANEL

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프로젝트번호 Project No.	
도면번호 Drawing No.	BS - 011
일련번호 Sheet No.	–

PLACARD BATTEN





PLACARD BATTEN
NO.1 DRAW CURTAIN (UP-DN)
NO.2 DRAW CURTAIN (UP-DN)
NO.2 DRAW CURTAIN (OP-CL)
NO.3 DRAW CURTAIN (UP-DN)
NO.3 DRAW CURTAIN (OP-CL)
APRON LIGHT BATTEN
NO.1~3 SUSPENSION LIGHT BATTEN
NO.1~7 SET BATTEN
SCREEN BATTEN
TABLE LIFT

CLIENT
대구광역시교육청

Project Title
대구학생문화센터
중공연장 설치공사

NOTE

설계 Designs
Paik Sung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명 Project
대구학생문화센터
중공연장 무대장치

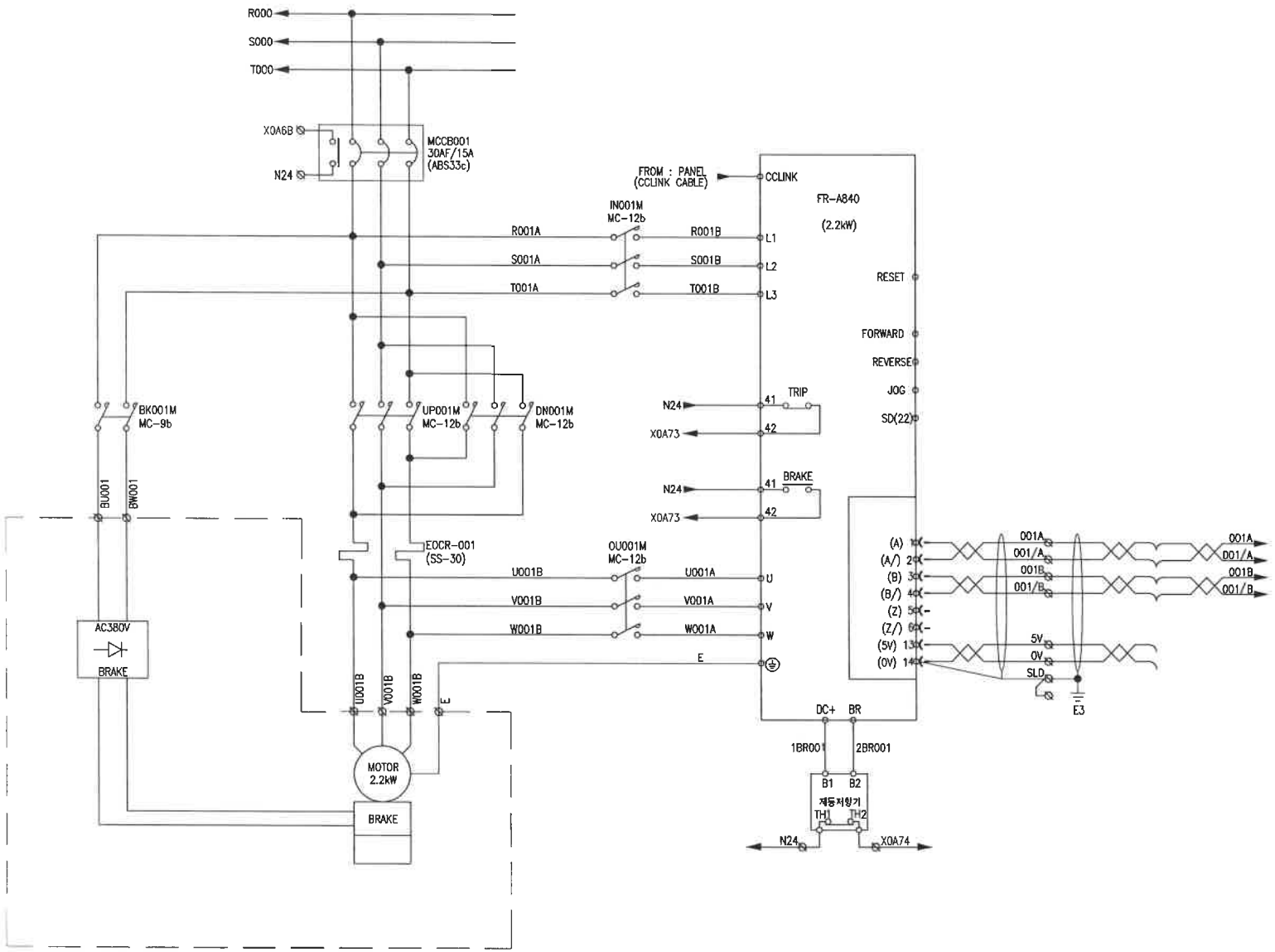
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도면명
무대기계제어
회로도 1

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	2026. 06.
프로젝트번호 Project No	
도면번호 Drawing No.	BS - 012
일련번호 Sheet No.	-

DRAW CURTAIN (OP-CL)



CLIENT

대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계
Design

Polk Sung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명
Project

대구학생문화센터
중공연장 무대장치

담당

Approved by	-
Checked by	-
Drawn by	-

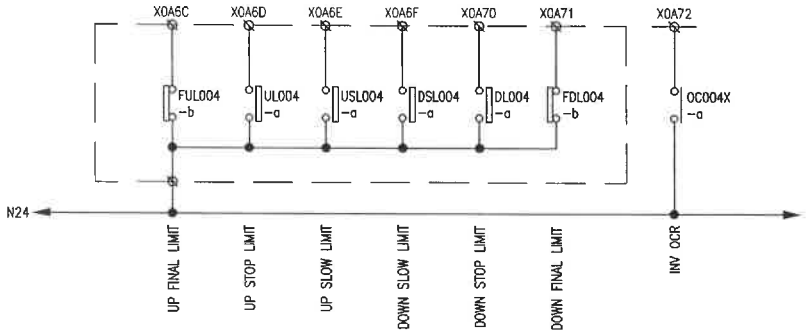
협력설계
Consultant

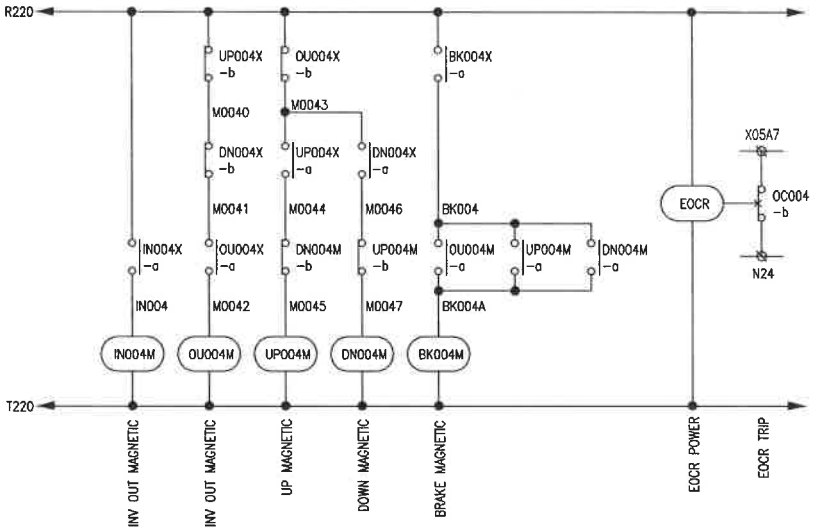
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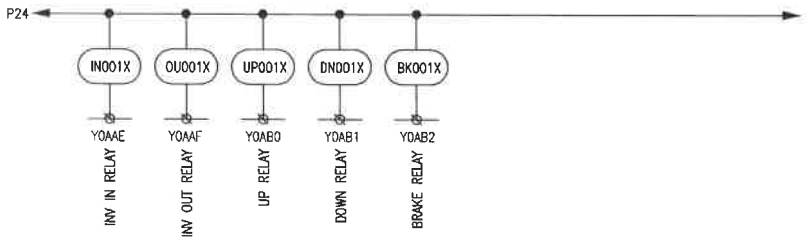
무대기계제어
회로도 2

Scale	A1 : 1 / 80
	2026. 06.
공통프로젝트번호 Project No.	
도면번호 Drawing No.	BS - 013
일련번호 Sheet No.	-

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대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계 Design

Paik Seung Engineering
(주) 백승엔지니어링

No	Revision Description	Date

설계명 Project

대구학생문화센터
중공연장 무대장치

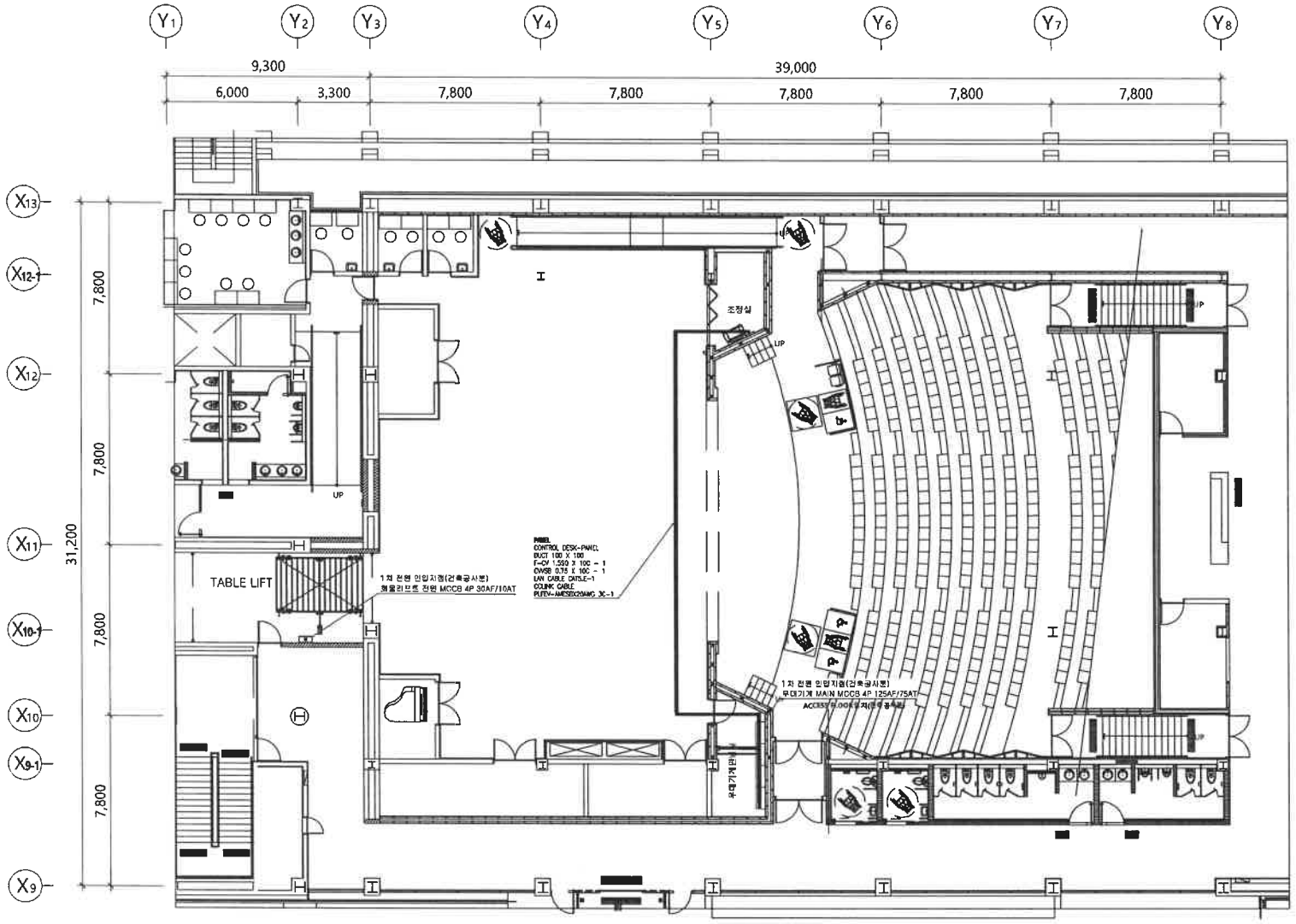
Approved by	-	
Checked by	-	
Drawn by	-	

협력설계 Consultant

도면명

무대기계제어
회로도 3

Scale	A1 : 1 / 80
	2026. 06.
프로젝트번호 Project No.	
도면번호 Drawing No.	BS - 014
일련번호 Sheet No.	



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대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계
Design

Poik Saung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명
Project

대구학생문화센터
중공연장 무대장치

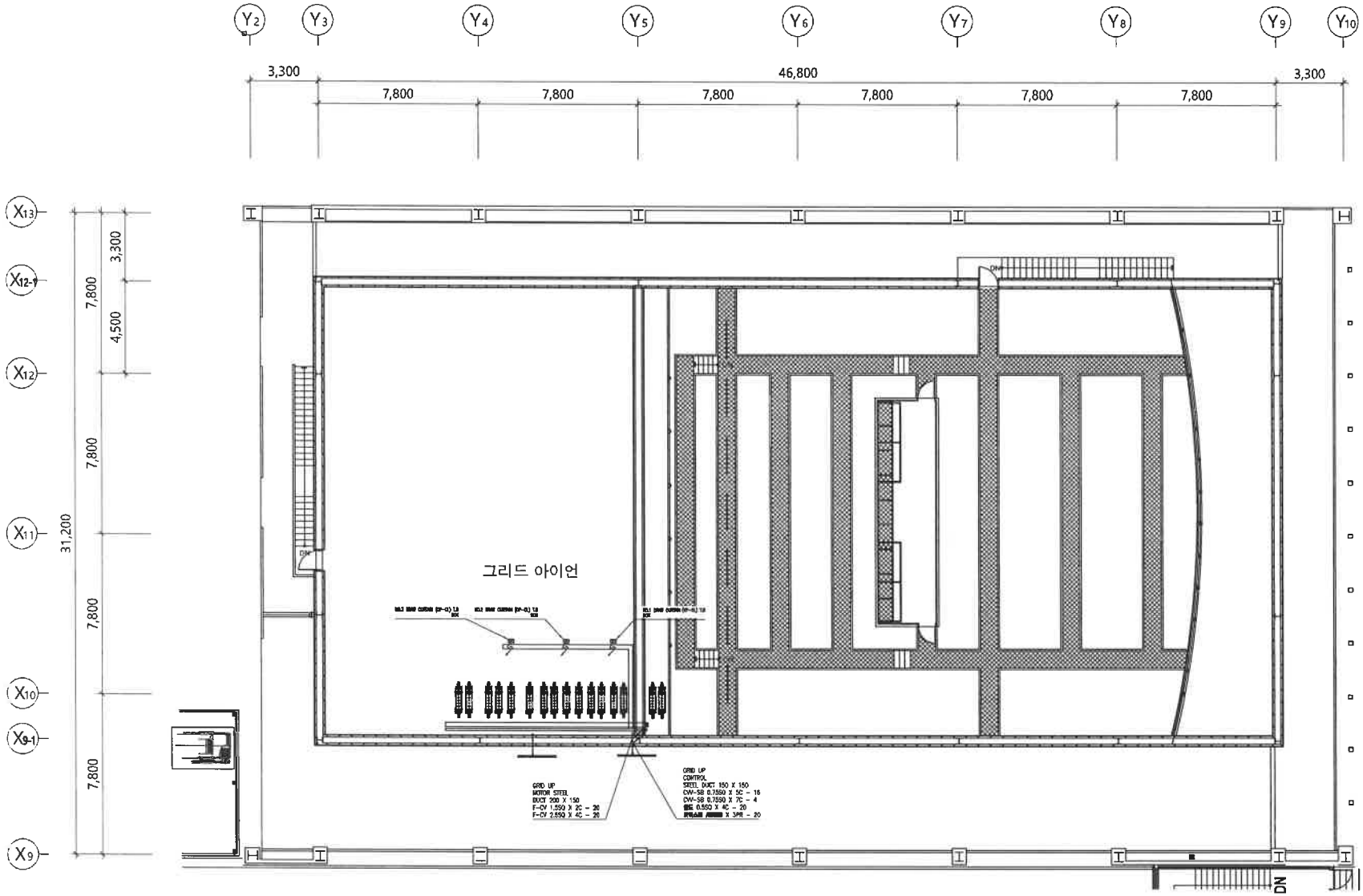
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Checked by	-
Drawn by	-

참여설계
Consultant

도면명

무대기계제어
PIPING & WIRING-1

Scale	A1 : 1 / 80
	2026. 06.
프로젝트번호 Project No.	
도면번호 Drawing No	BS - 015
일련번호 Sheet No.	-



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대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계
Design

Paik Seung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명
Project

대구학생문화센터
중공연장 무대장치

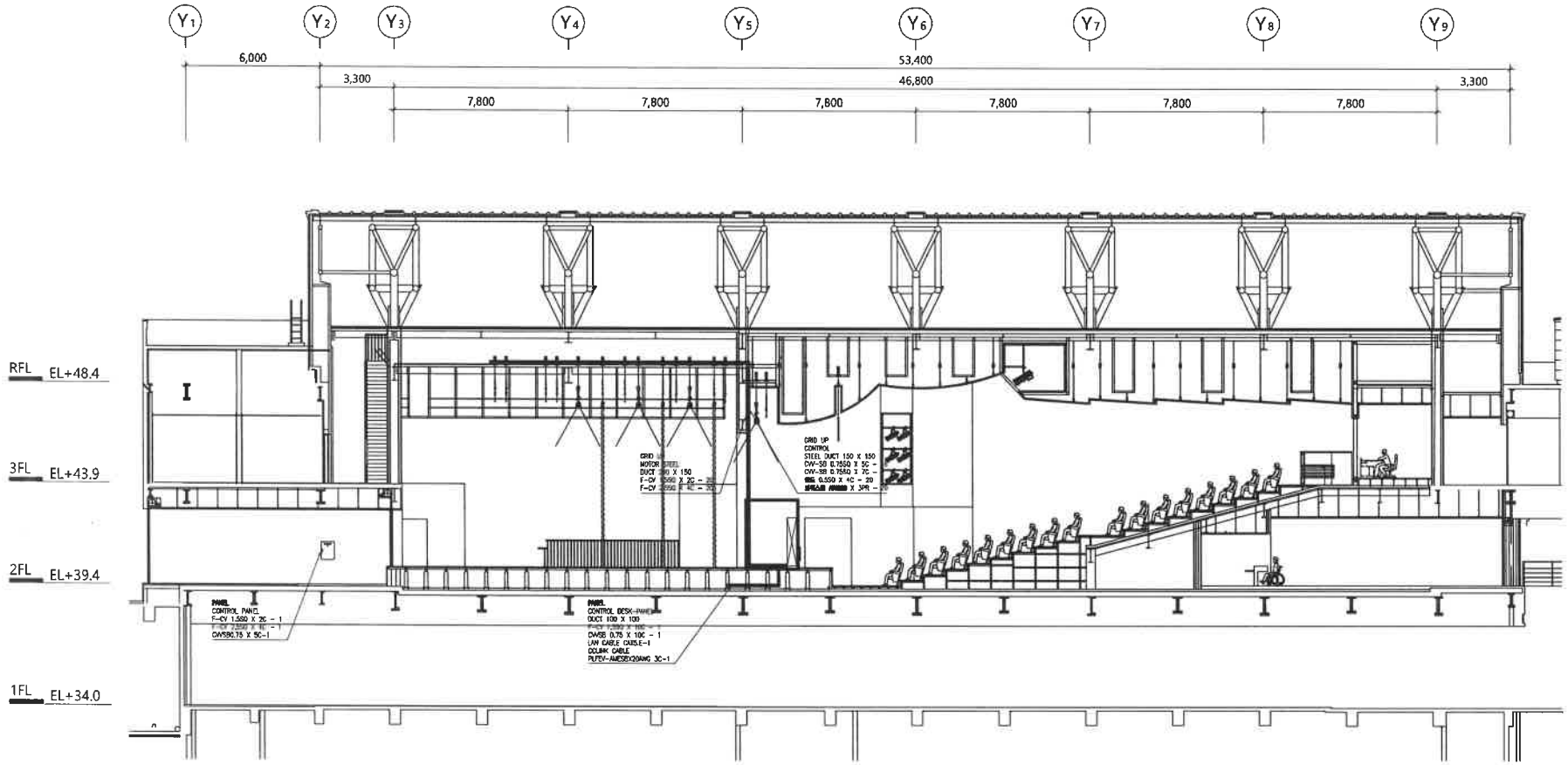
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Checked by	–	
Drawn by	–	

협력설계
Consultant

도면명

무대기계제어
PIPING & WIRING-2

Scale	A1 : 1 / 80
	2026. 06.
프로젝트번호 Project No	
도면번호 Drawing No.	BS - 016
일련번호 Sheet No	–



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대구광역시교육청

Project Title

대구학생문화센터
중공연장 설치공사

NOTE

설계
Design

Polk Seung Engineering
(주) 백승엔지니어링

No.	Revision Description	Date

설계명
Project

대구학생문화센터
중공연장 무대장치

담당

Approved by	-	
Checked by	-	
Drawn by	-	

협력설계
Consultant

도면명

무대기계제어
PIPING & WIRING-3

Scale	A1 : 1 / 80
	2026. 05.
프로젝트번호 Project no.	
도면번호 Drawing No.	BS - 017
일련번호 Sheet No.	-