CONCERT HALL TECHNICAL SPECIFICATIONS

國家兩廳院
NATIONAL THEATER & CONCERT HALL

VERSION NOTES

Previous Version: Before December 03, 2024

Updated Version: January 31, 2026

“National Theater & Concert Hall- Recital Hall Technical Specifications” (Digital Edition)



“Guidelines for Rental of Venue Equipment and Services” (Digital Edition / Mandarin Only)



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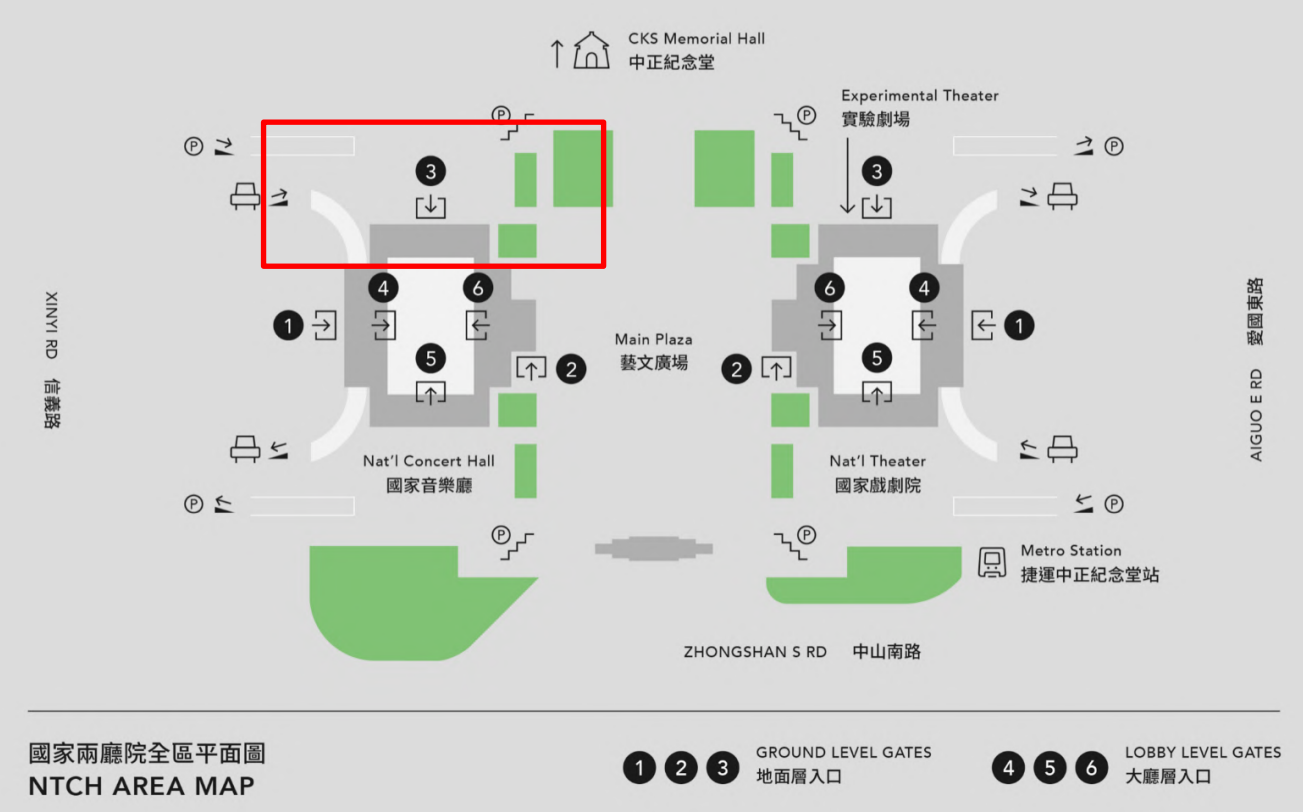
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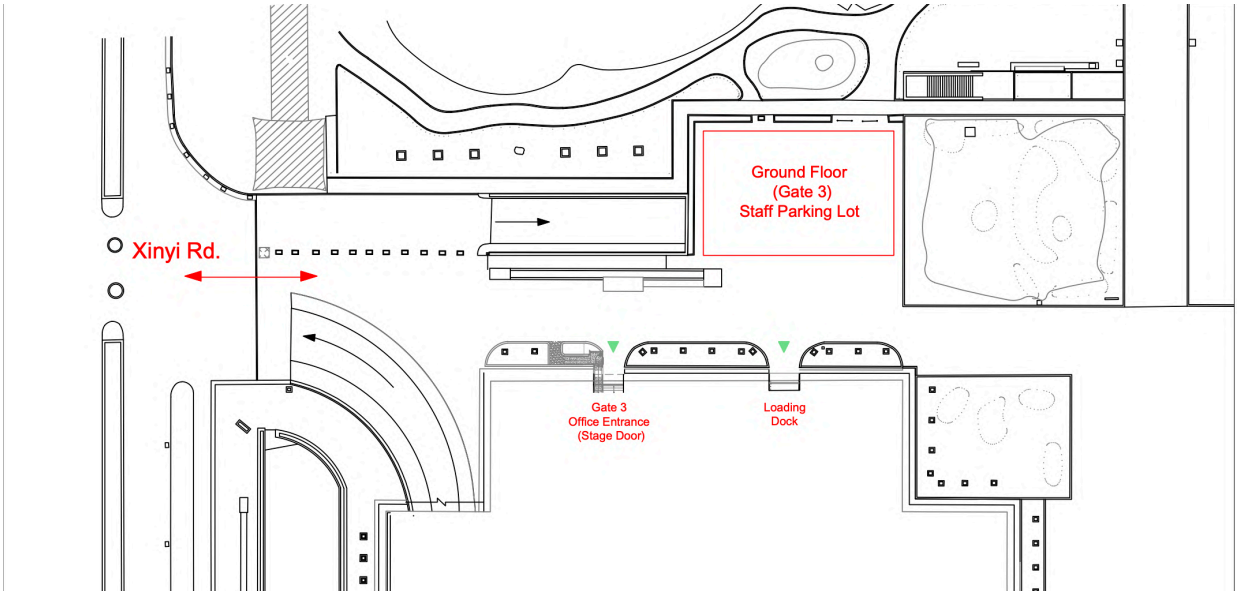
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GENERAL INFORMATION

I LOCATION



▲ **Overall Plan** - The red boxed area indicates the staff and vehicle access. Refer to the next page for more information.



▲ **Staff Parking**

- The Concert Hall is on Xinyi Rd.
- Motorcycles access via Xinyi Rd.

II OFFICE ENTRANCE (STAGE DOOR)

GROUND FLOOR (GF)



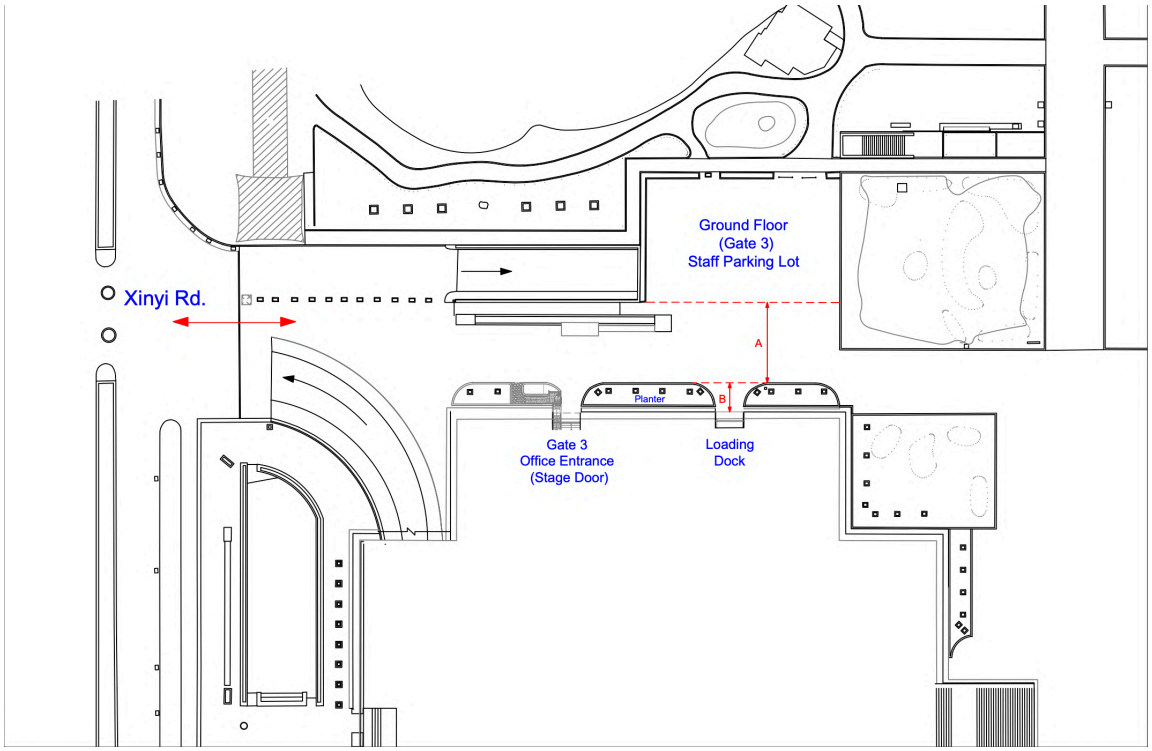
- Access is available at Gate 3 (Xinyi Rd.) and requires a valid Work Pass for entry.

BASEMENT (BF)



- Access is available at the office entrance (stage door) in the Parking Lot (Xinyi Rd.) and requires a valid Work Pass for entry.

III LOADING AREA



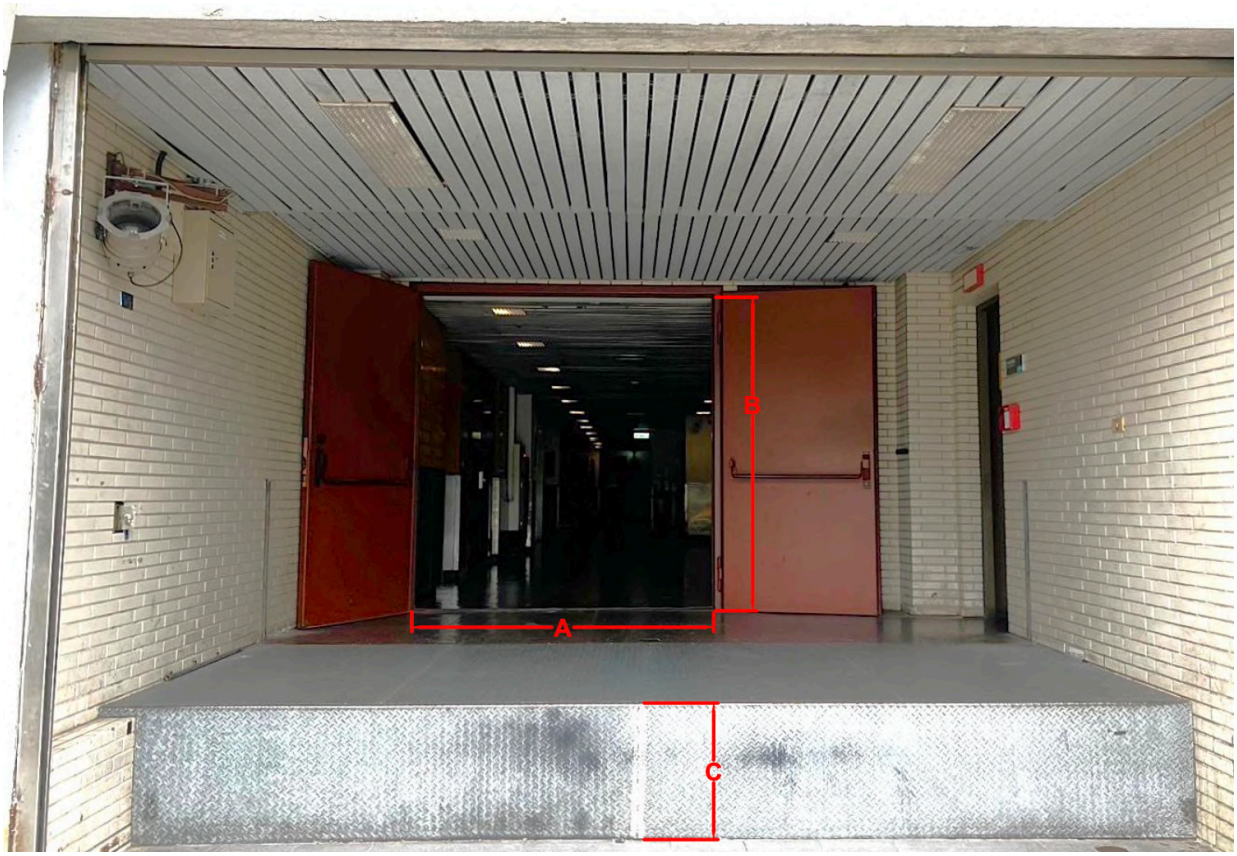
- Location : Next to Gate 3 (Xinyi Rd.)
- Access Limit : Trucks up to 17 tones (inclusive).
- Parking : Trucks may temporarily park by the loading dock next to the planter.
- Road width :

  (A) Parking Lot to Planter : 7.6m

  (B) Loading Dock Height : 5.8m

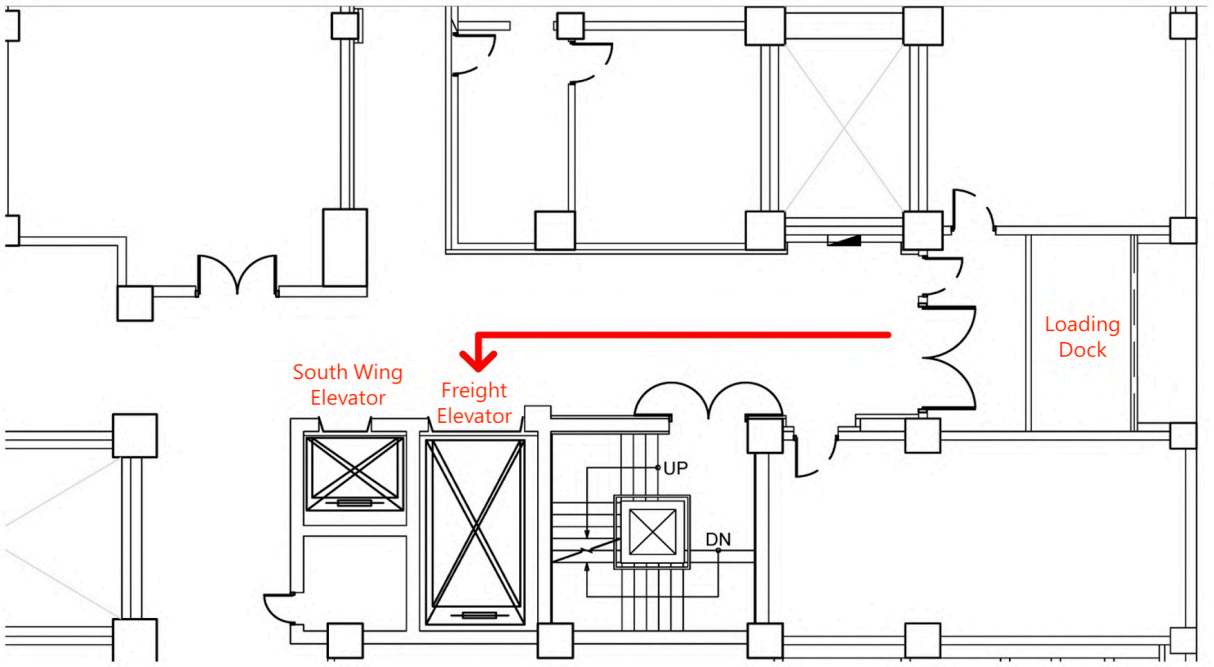
IV LOADING DOCK SPECIFICATIONS

SPECIFICATIONS



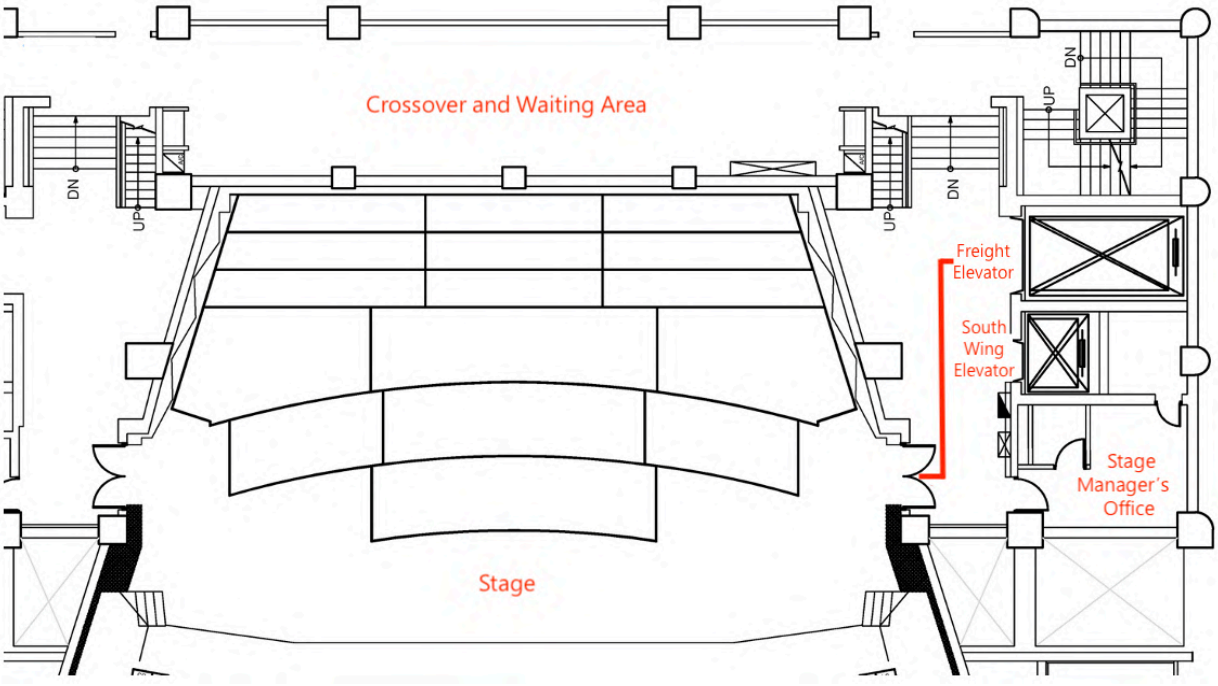
- Inner Dimensions : （A）2.25m x （B）2.37m (W x H)
- Loading Dock Height : （C）0.55m

ACCESS ROUTE (GF)



- Aisle in front of the Freight Elevator : 3.78m
- Indoor Clearance Height : 2.39m

ACCESS ROUTE (2F)



- From the freight elevator (2F), proceed along the aisle, and to the stage.
- Stage Entrance: 1.75m x 2.18m (W x H)

  Refer to the *"STAGE - SPACE AND DIMENSIONS."*

V FREIGHT ELEVATOR



- Dimensions : 1.94m x 3.7m x 2.2m (W x D x H)
- Maximum Load : 4,500 kg
- Service Level : BF, GF ,1 ~ 3F

VI SCENERY WAGON

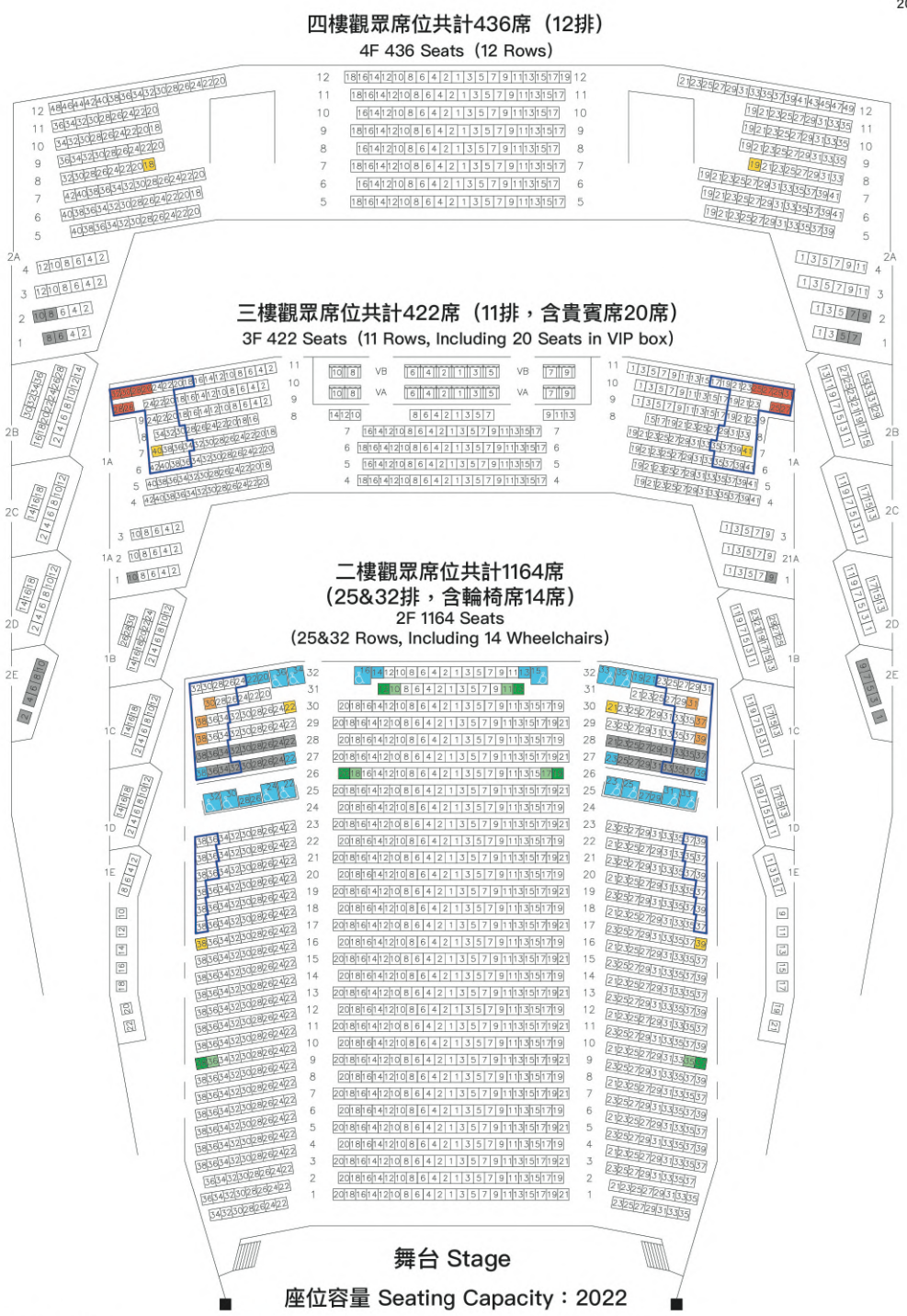




- Dimensions : 1.2m x 1.8m (W x D)
- Quantity : 2 (with handle)

VII AUDITORIUM SEATING

2025/11更新



一般席 Standard Seats

輪椅席及輪椅陪同席 Wheelchair Seats & Companion Seats

友善席 Removable Armrests Seats

友善陪同席 Companion Seats

前台工作席 FOH Staff Seats

視線不良席 (建議調整為最低票價) Restricted View Seats (Suggest Lowest Price)

管風琴視線不良席 (無法看到管風琴演奏者，建議不售票) Restricted View Seats (No View of Organist, Sale Not Recommended)

大型投影演出視線遮蔽區 (建議不售票) Restricted View Seats (Poor View of Large Projection, Sale Not Recommended)

座位不適+管風琴視線不良席 (建議調整為最低票價；管風琴節目，建議不售票)
Uncomfortable Seats & Restricted View Seats (No View of Pipe Organ, Suggest Lowest Price, Sale Not Recommended for Pipe Organ Program)

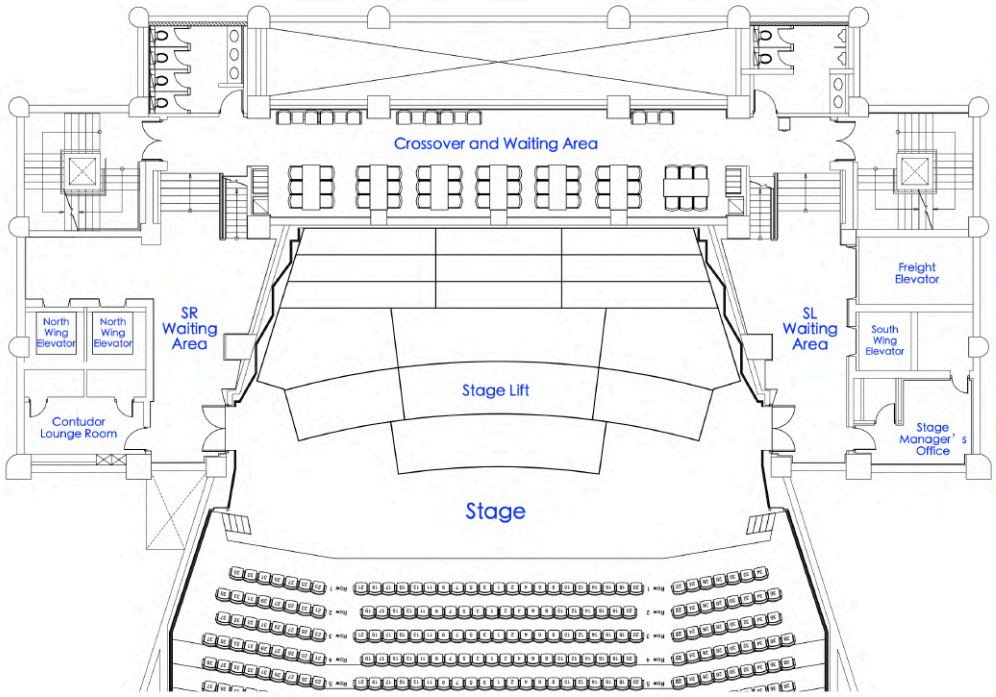
* 彩色版請參照兩廳院官網

STAGE

I STAGE SPECIFICATION AND FACILITIES

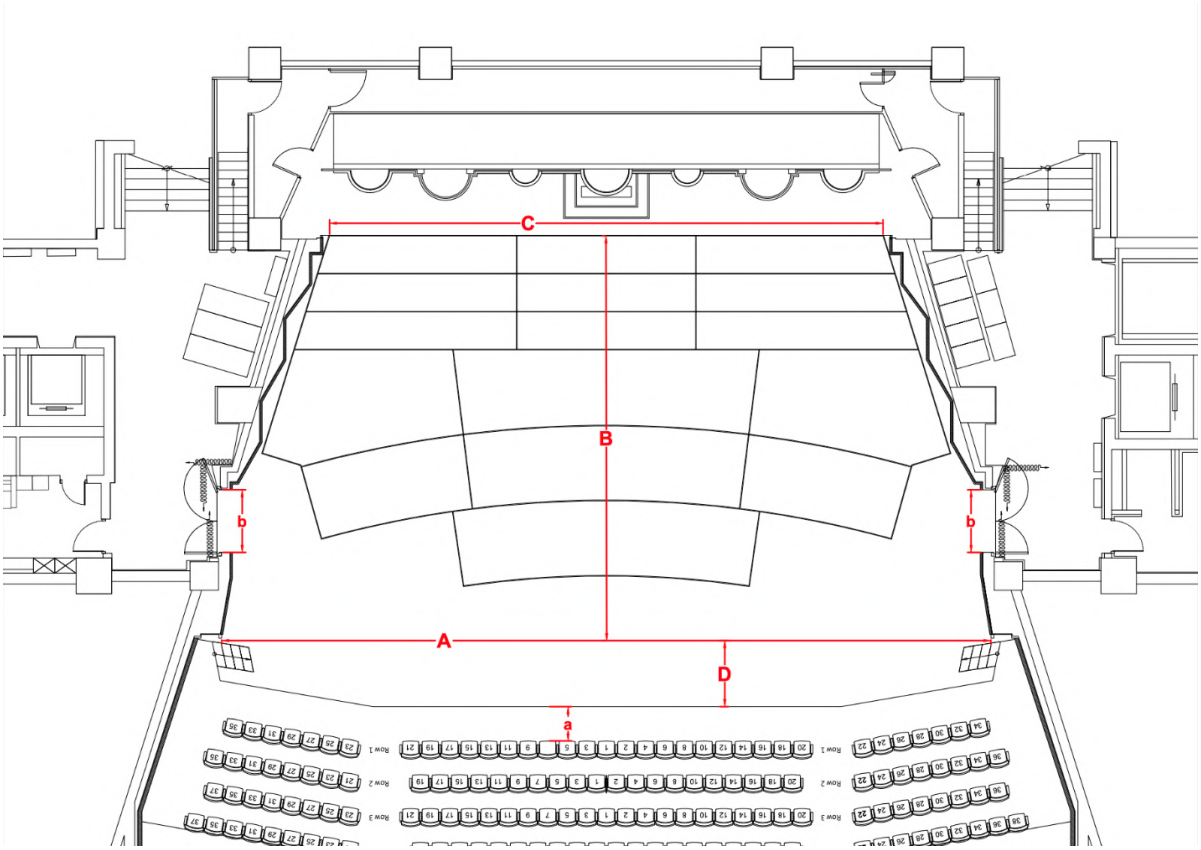
SPACE AND DIMENSIONS

STAGE AND BACKSTAGE



- Main Stage Location : 2nd Floor (2F)
- Stage Left (SL) : Manager's Office, SL Waiting Area, Freight Elevator, South Wing Elevator
- Stage Right (SR) : Conductor Lounge Room, SR Waiting Area, North Wing Elevator
- Upstage (US) : Pipe Organ
- Behind the Stage : Crossover and Waiting Area under the Pipe Organ (width 4.3m)

STAGE DIMENSIONS



(A) Width of Stage Front (Proscenium Opening) : 21.6m

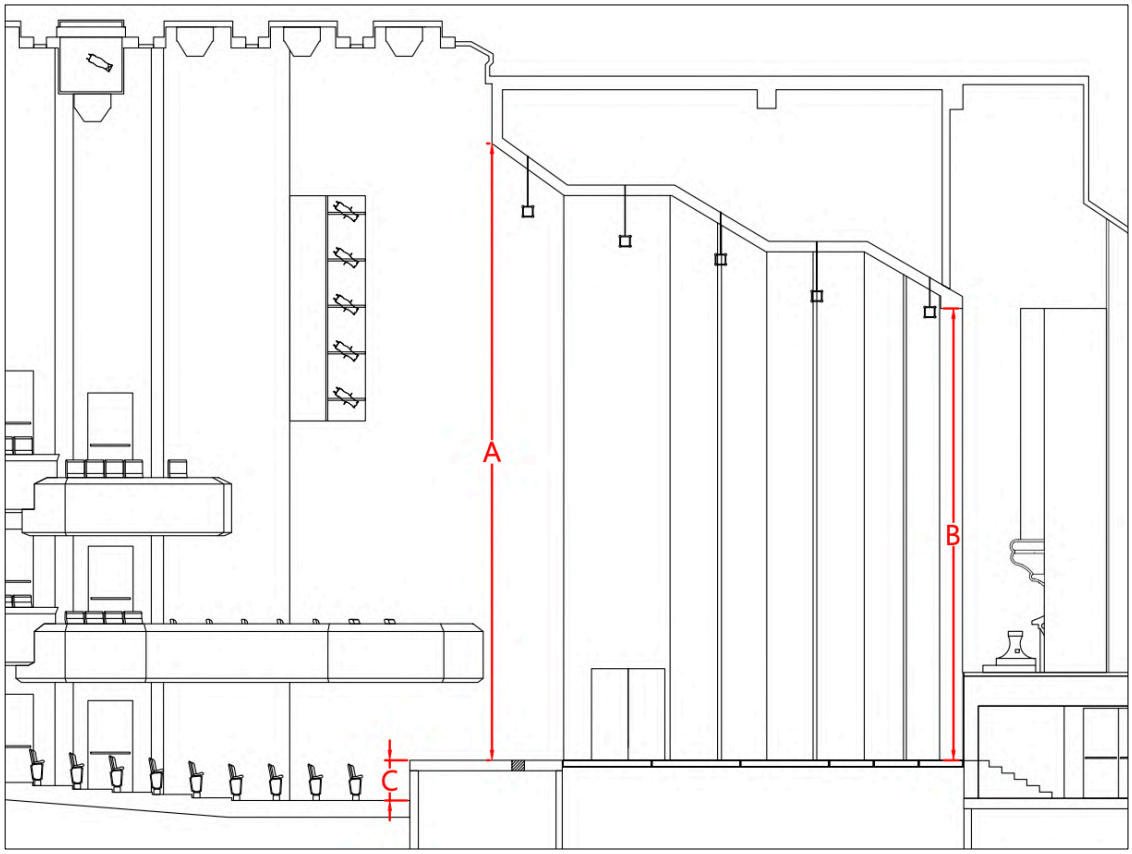
(B) Stage Depth (Proscenium Line to Back Wall) : 11.2m

(C) Width at Upstage Edge (Rear Stage Lift) : 15.5m

(D) Apron Depth : 2.03m

(a) Clearance from the 1st Row of Auditoriun : 0.8 m

(b) Stage Entrance : 1.75m x 2.18m (W x H)



(A) Height of Ceiling at Proscenium Line : 14.7m

(B) Height of Ceiling at Rear Edge : 10.7m

(C) Stage Floor Height (from Auditorium) : 0.95m

STAGE FLOOR

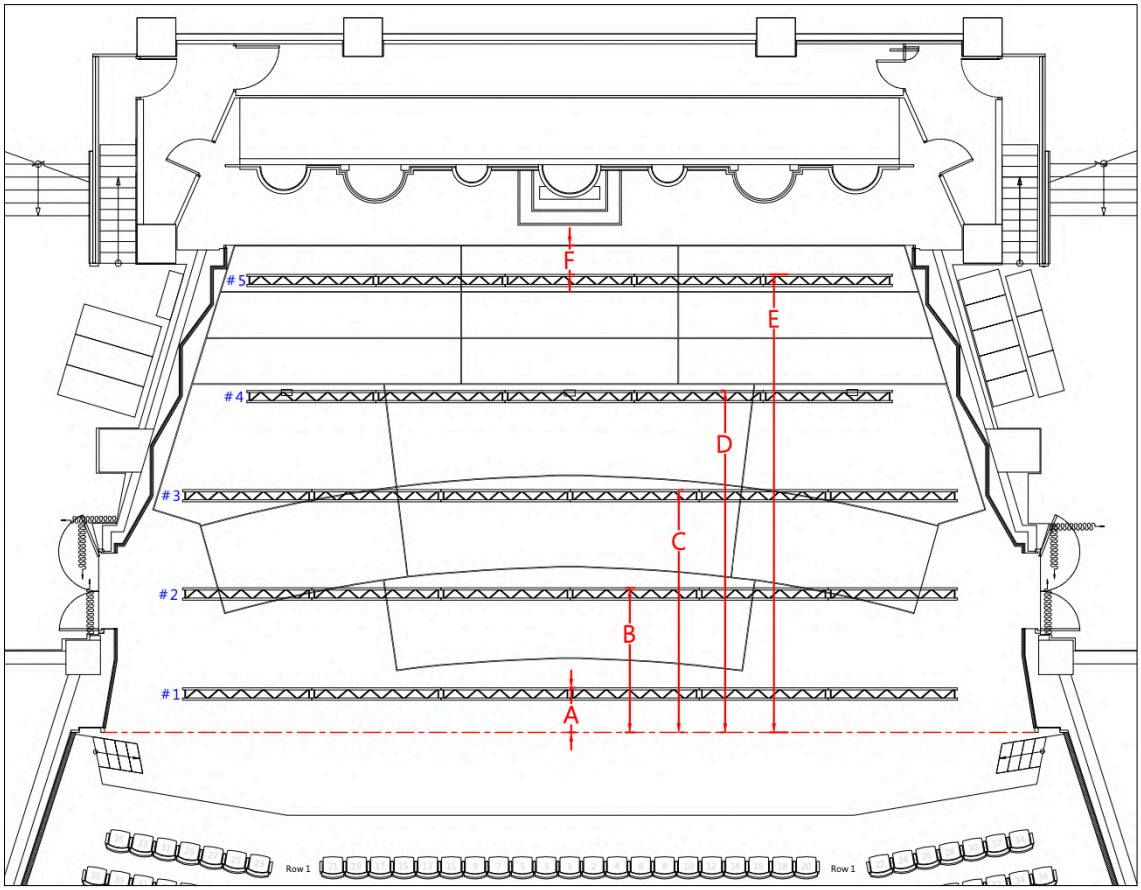
- Surface : Oak long-strip tongue-and-groove flooring with a light natural brown finish.
- No nails or screws permitted on floors or walls.

II RIGGING SYSTEM

TRUSS

- Type : 28.5 x 28.5cm Truss
- Tube Diameter : 5cm
- System Type : Motorized Rigging System
- Quantity : 5
- Working Load Limit (WLL) : 500 kg

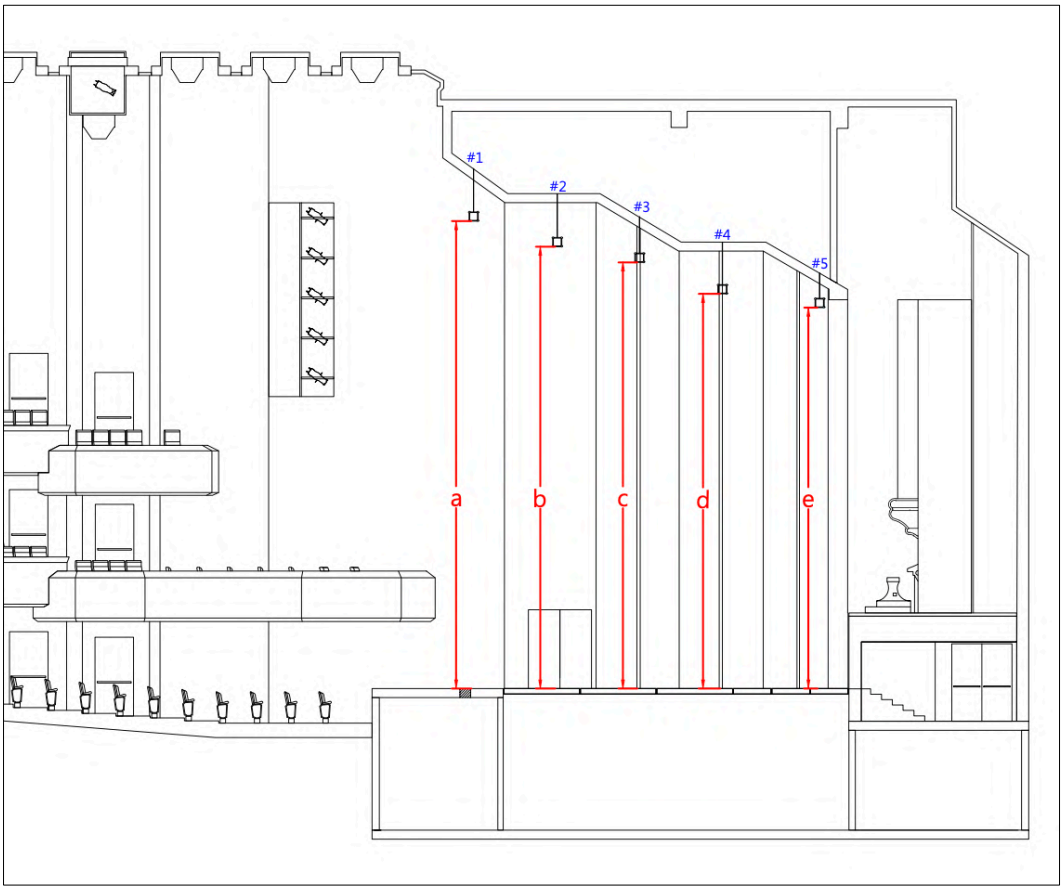
TRUSS POSITIONS AND SPACING



*Measuring from the rear edge of the truss.

Truss No.	Length (m)	Distance between Trusses	Distance From Proscenium Line
1	18	2.96 (from Proscenium Line)	(A) 0.93
2	18	2.32	(B) 3.25
3	18	2.28	(C) 5.53
4	15	2.30	(D) 7.83
5	15	2.70	(E) 10.53

(F) Distance from Truss #5 to Back Wall : 0.6m

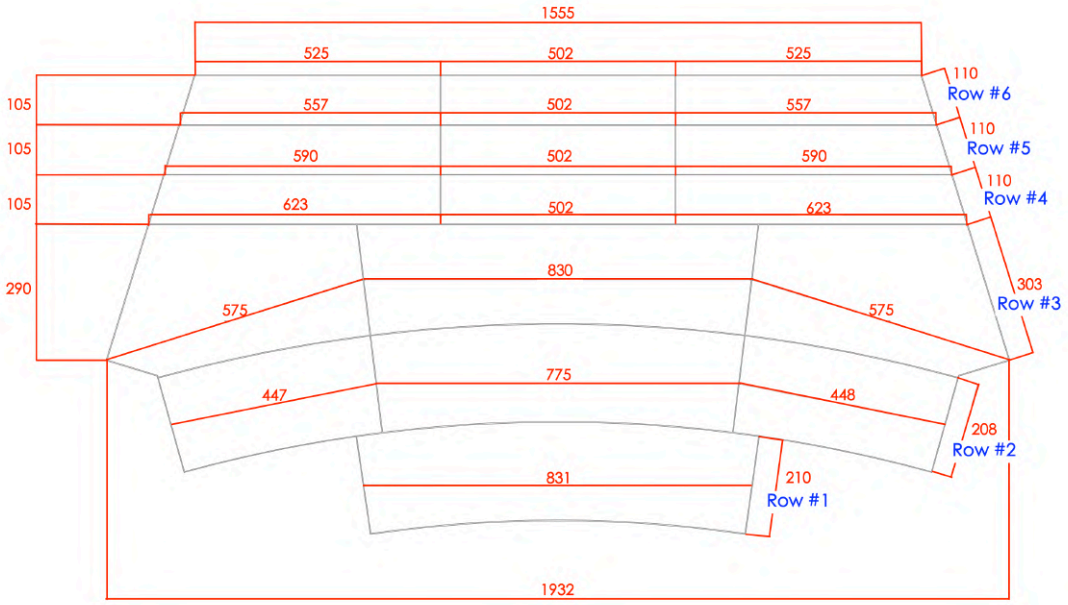


Truss No.	High Limit (Out-Trim) (m)	Low Limit (In-Trim) (m)
1	(a) 13	0.9
2	(b) 12.3	
3	(c) 11.6	
4	(d) 11	
5	(e) 10	

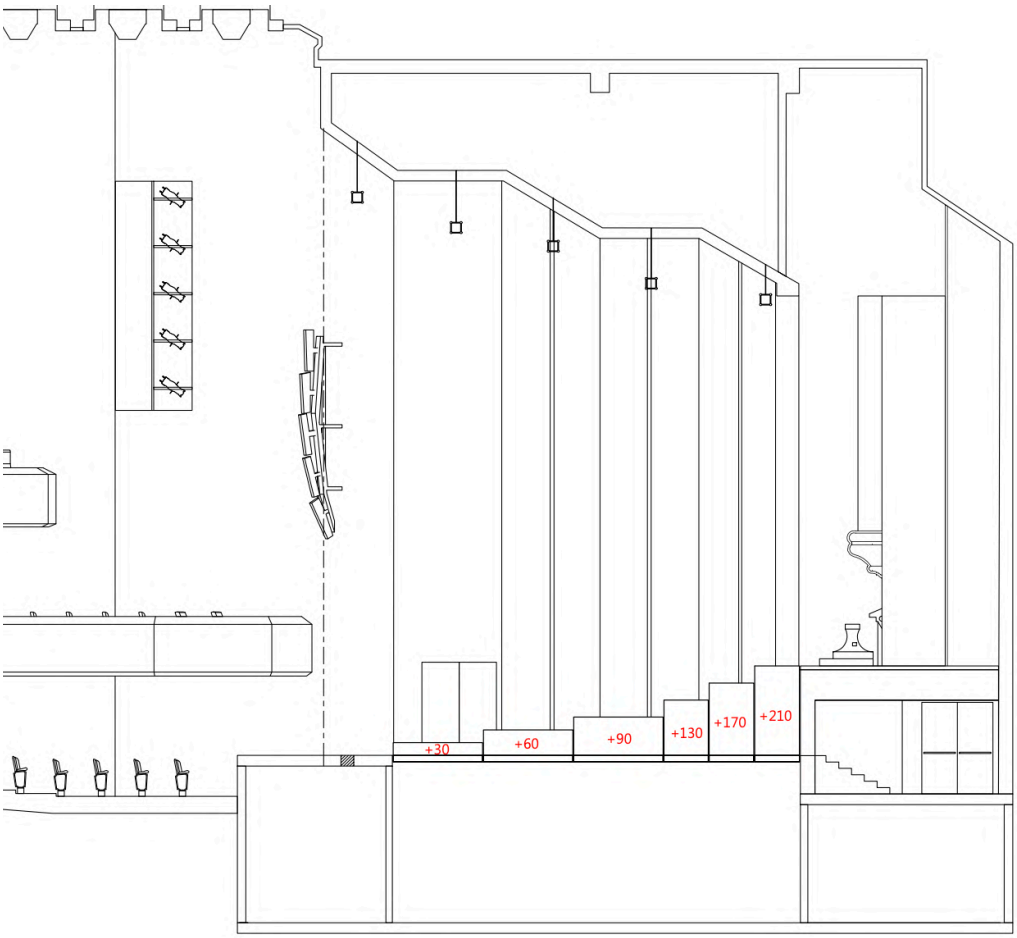
III STAGE LIFT

- ●Quantity : 6 Rows utilizing,16 Lifting Units in total
- ●Motorized : Lifting System
- ●Load Capacity : Static 500kg/m^2, Dynamic 200kg/m^2
- ●Lifting Speed : 0.02m/sec (constant speed)

Row	Area	Dimensions	Maximum Vertical Travel Distance	Note
1	7 Curved Units	See Pic. Below	30cm	Can move freely within the permitted range.
2			60cm	
3			90cm	Height differences in between curved units are limited in 60cm.
4	9 Trapezoidal Units		130cm	Height differences in between trapezoidal units are limited in
5			170cm	
6			210cm	



▲ Stage Lift Unit Dimensions



▲ Maximum Vertical Travel Distance for Stage Lifts

IV STAGE EQUIPMENT

SCENERY

No.	Equipment	Qty.	Dimension / Weight	Model
1	Legs	2	4.35m×10.5m	Gerriets CLIVIA 450
2	Side Tab	2	8m×10m	Gerriets CLIVIA 450
3	Black Drop	1	16m×10m 85 kg ***Rental**	Gerriets CLIVIA 450
4	Front Projection Screen	1	Black / White Frame : 12.4m×7m Projection : 12.2m×6.8m ***Rental**	Gerriets FP Screen

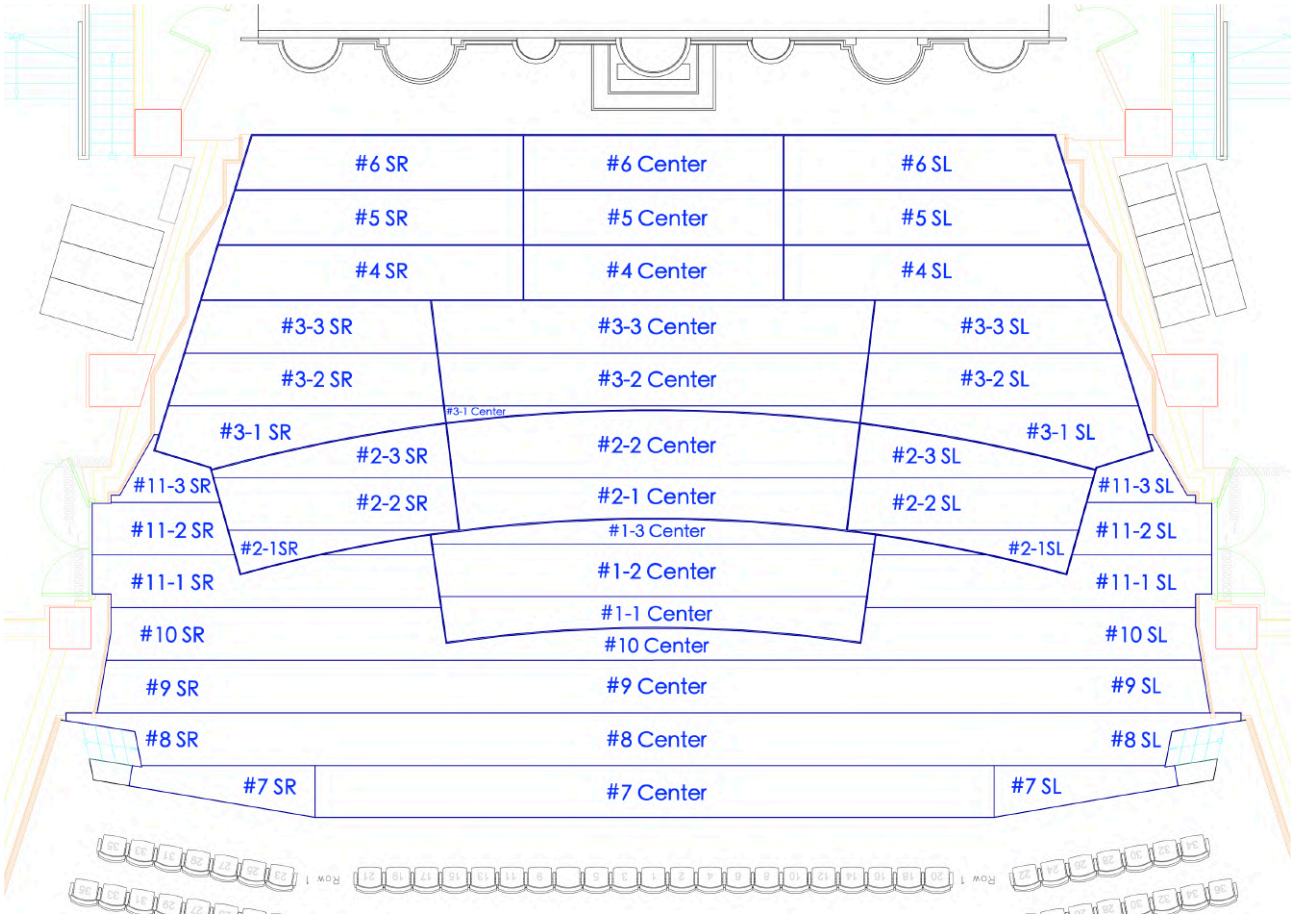
* Please refer to the *"Guidelines for Rental of Venue Equipment and Services."*

* The Venue doesn't have projectors that fit the projection screen ratio. Please prepare your own projector.

MARLEY DANCE FLOOR

No.	Equipment	Qty.	Note
1	Full Length Marely	18	92cm x 1800cm (W x L)
2	Marley Dance Floor for Concert Hall	1 set	Black / Grey
3	Small Pieces of Marley	N	As present needed, please contact the venue stage manager.

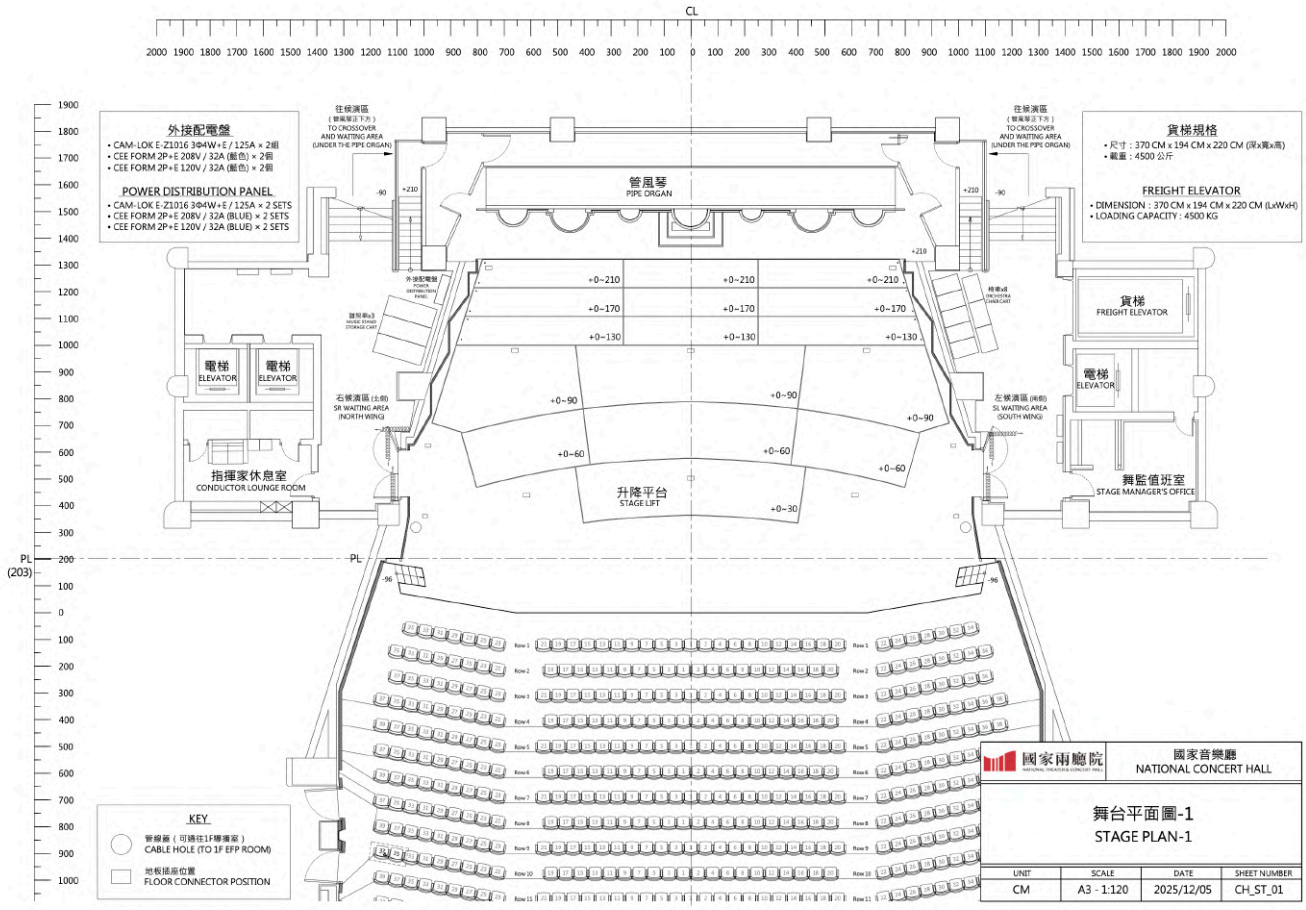
* Marley Dance Floor Plan :



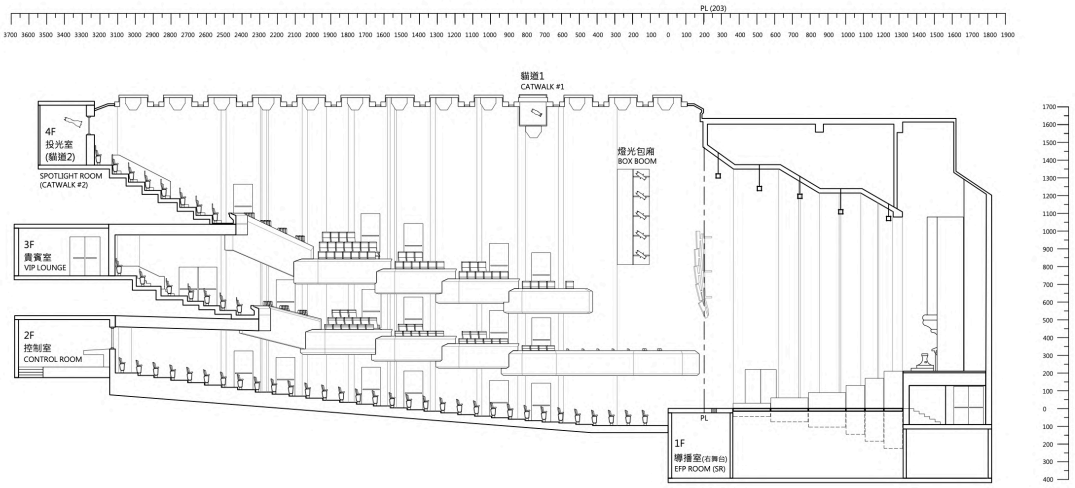
V TECHNICAL DRAWING

* Please refer to the NTCH Venue Hire Information.

STAGE PLAN



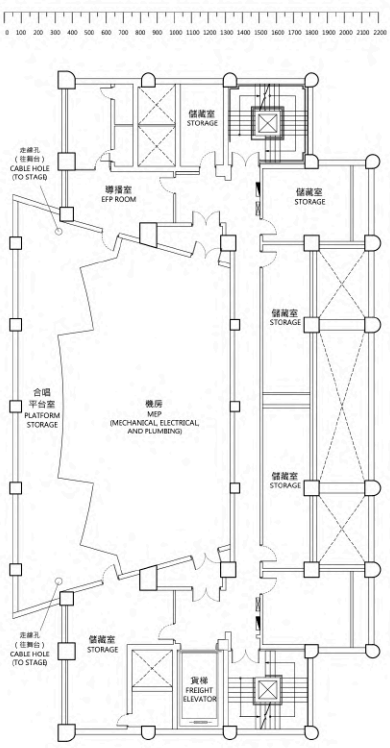
STAGE SECTION



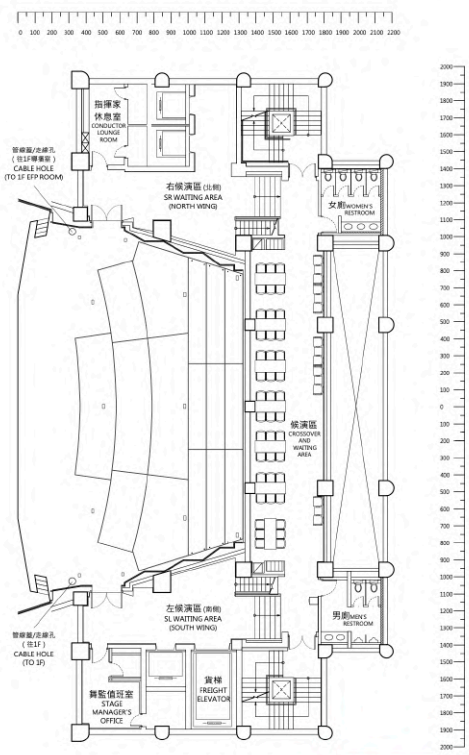
國家兩廳院 NATIONAL THEATER & CONCERT HALL	國家音樂廳 NATIONAL CONCERT HALL
舞台側剖圖 STAGE SECTION	

UNIT	SCALE	DATE	SHEET NUMBER
CM	A3 - 1:200	2025/12/05	CH_ST_03

CONCERT HALL FLOOR PLAN (1F + 1MF)



1F 後台空間 BACKSTAGE



2F 舞台 STAGE / 1MF後台空間 BACKSTAGE

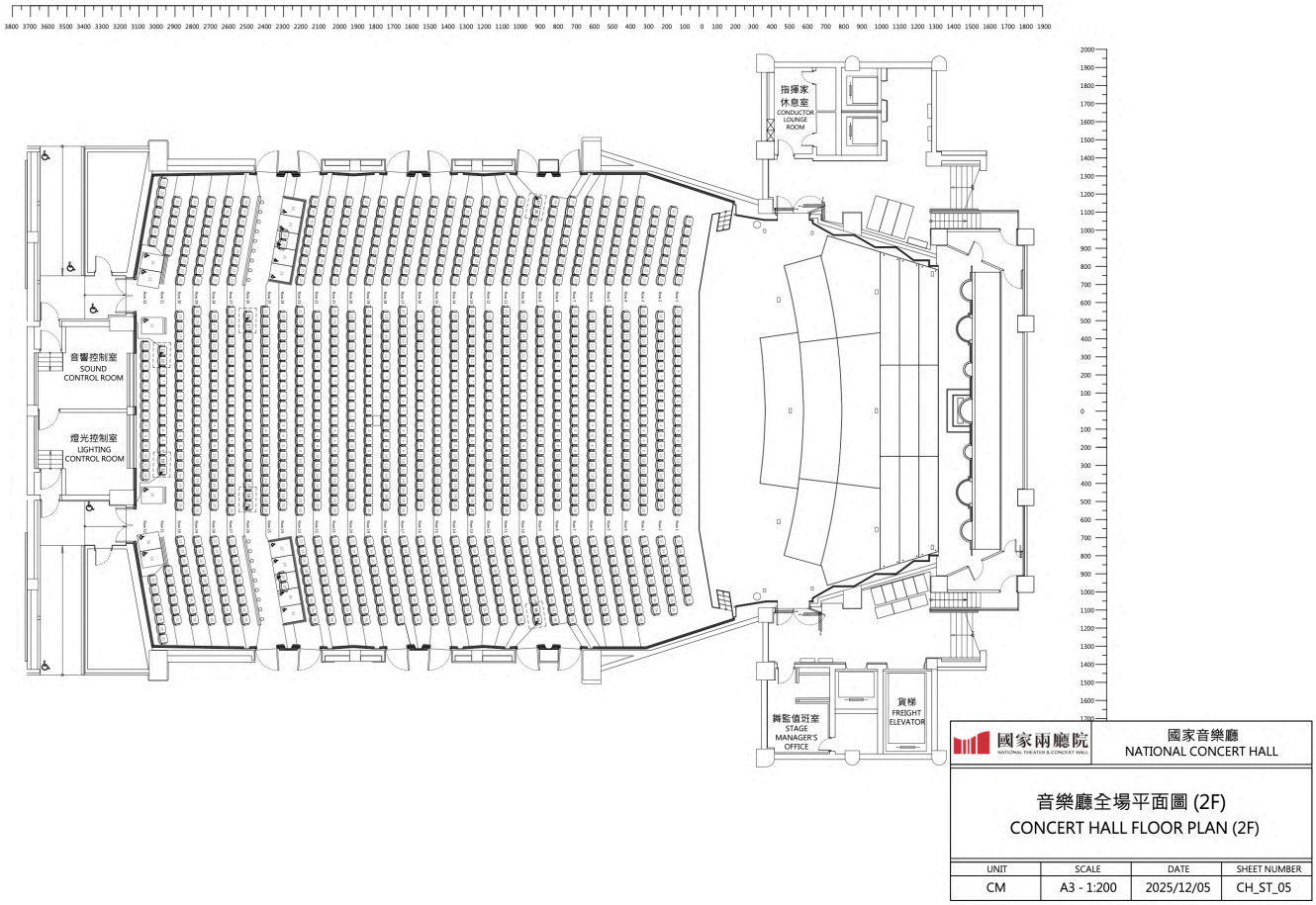
國家兩廳院 NATIONAL THEATER & CONCERT HALL

國家音樂廳
NATIONAL CONCERT HALL

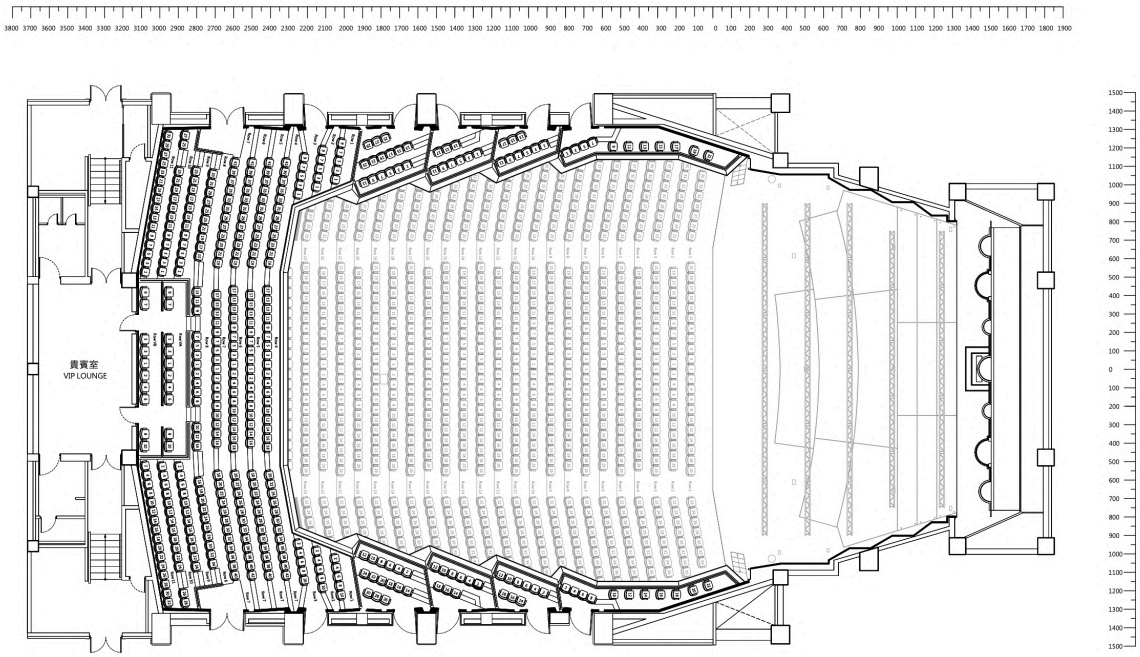
舞台周邊空間平面圖 (1F+1MF)
CONCERT HALL FLOOR PLAN (1F+1MF)

UNIT	SCALE	DATE	SHEET NUMBER
CM	A3 - 1:200	2025/12/05	CH_ST_04

CONCERT HALL FLOOR PLAN (2F)

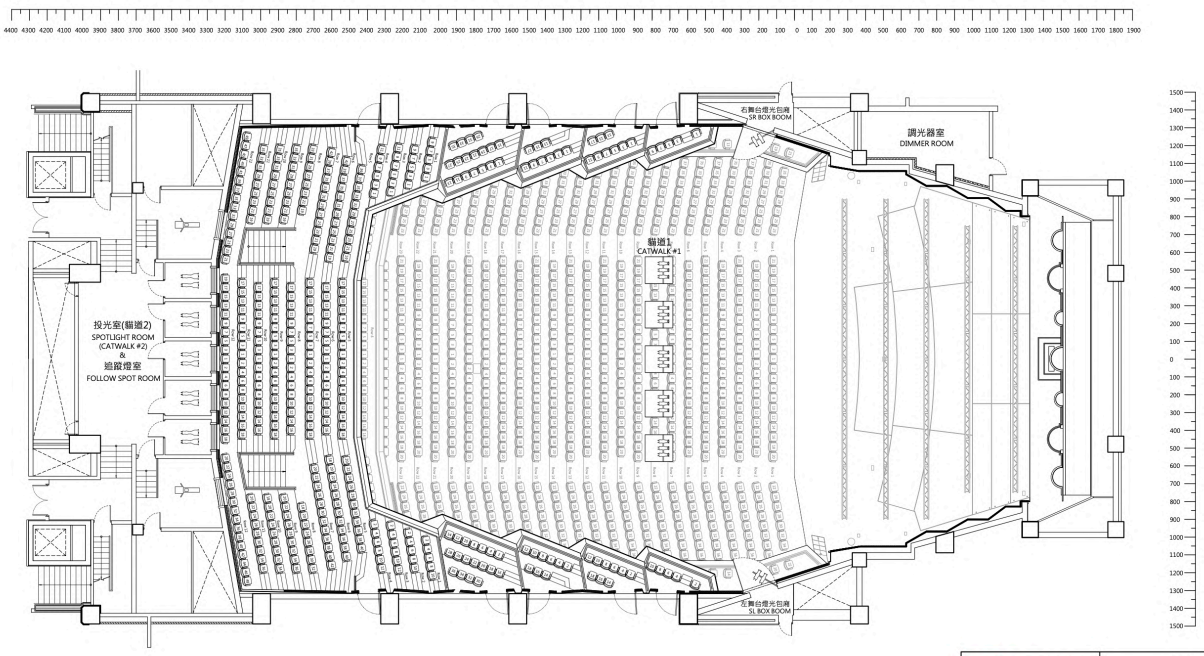


CONCERT HALL FLOOR PLAN (3F)



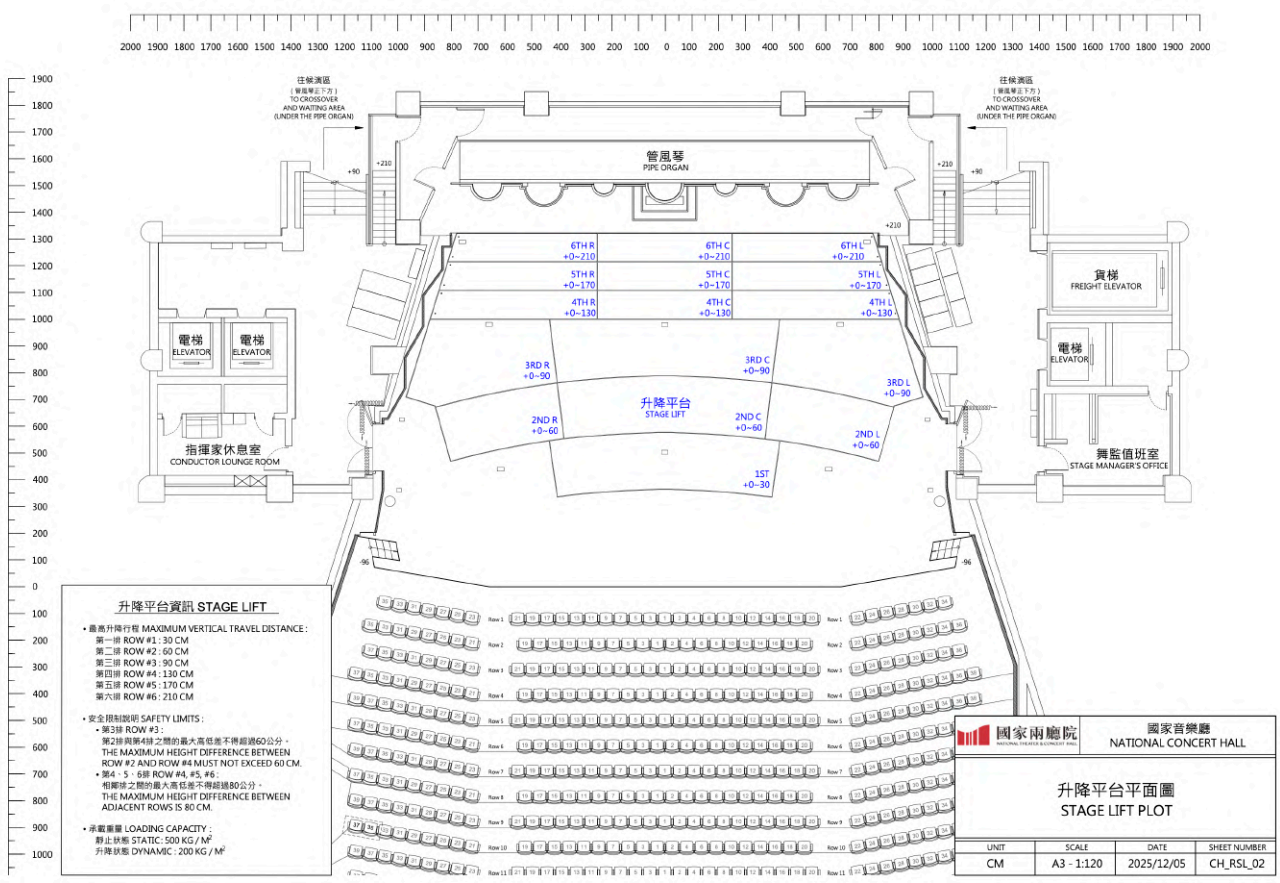
國家兩廳院 NATIONAL THEATER & CONCERT HALL	國家音樂廳 NATIONAL CONCERT HALL		
音樂廳全場平面圖 (3F) CONCERT HALL FLOOR PLAN (3F)			
UNIT	SCALE	DATE	SHEET NUMBER
CM	A3 - 1:200	2025/12/05	CH_ST_06

CONCERT HALL FLOOR PLAN (4F + 5F)

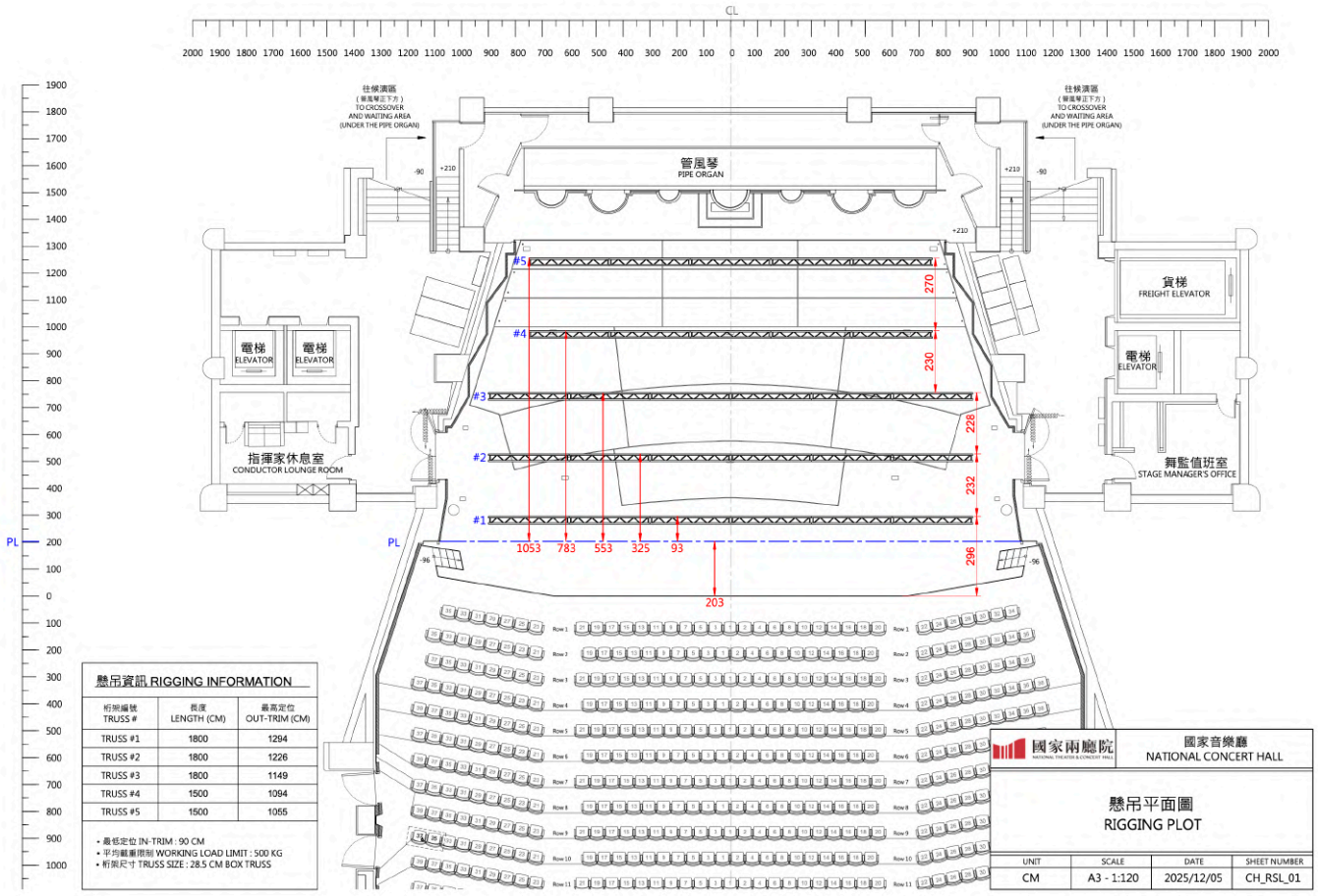


國家兩廳院 NATIONAL THEATER & CONCERT HALL	國家音樂廳 NATIONAL CONCERT HALL		
音樂廳全場平面圖 (4F+5F) CONCERT HALL FLOOR PLAN (4F+5F)			
UNIT	SCALE	DATE	SHEET NUMBER
CM	A3 - 1:200	2025/12/05	CH_ST_07

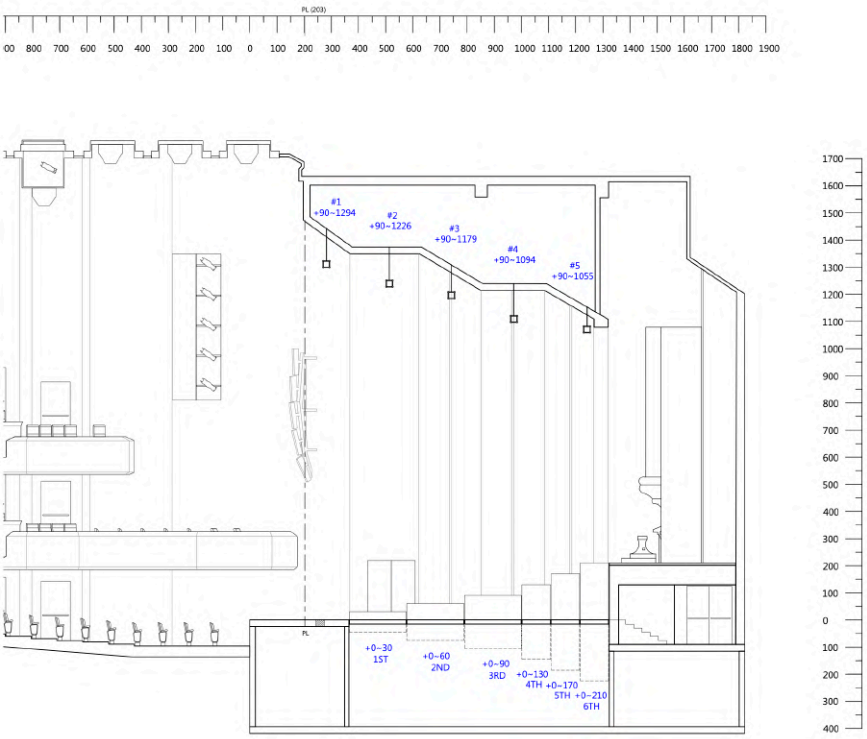
STAGE LIFT PLOT



RIGGING PLOT



RIGGING & STAGE LIFT SECTION



懸吊資訊 RIGGING INFORMATION

桁架編號 TRUSS #	長度 LENGTH (CM)	最高定位 OUT-TRIM (CM)
TRUSS #1	1800	1294
TRUSS #2	1800	1226
TRUSS #3	1800	1149
TRUSS #4	1500	1094
TRUSS #5	1500	1055

- 最低定位 IN-TRIM : 90 CM
- 平均載重限制 WORKING LOAD LIMIT : 500 KG
- 桁架尺寸 TRUSS SIZE : 28.5 CM BOX TRUSS

升降平台資訊 STAGE LIFT

- 最高升降行程 MAXIMUM VERTICAL TRAVEL DISTANCE :
  第一排 ROW #1 : 30 CM
  第二排 ROW #2 : 60 CM
  第三排 ROW #3 : 90 CM
  第四排 ROW #4 : 130 CM
  第五排 ROW #5 : 170 CM
  第六排 ROW #6 : 210 CM
- 安全限制說明 SAFETY LIMITS :
  - 第3排 ROW #3 :
    第2與第4排之間的最大高低差不得超過60公分。
    THE MAXIMUM HEIGHT DIFFERENCE BETWEEN ROW #2 AND ROW #4 MUST NOT EXCEED 60 CM.
  - 第4、5、6排 ROW #4, #5, #6 :
    相鄰排之間的最大高低差不得超過80公分。
    THE MAXIMUM HEIGHT DIFFERENCE BETWEEN ADJACENT ROWS IS 80 CM.
- 承載重量 LOADING CAPACITY :
  靜止狀態 STATIC: 500 KG / M^2
  升降狀態 DYNAMIC : 200 KG / M^2

國家音樂廳 NATIONAL CONCERT HALL

懸吊與升降平台側剖圖
RIGGING & STAGE LIFT SECTION

UNIT	SCALE	DATE	SHEET NUMBER
CM	A3 - 1:120	2025/12/05	CH_RSL_03

LIGHTING

I LIGHTING SYSTEM OVERVIEW

LIGHTING SYSTEM

Dimmer System
● ADB Eurodim Twin-Tech ■ 3kW, 220 V circuit (400µs Dim) x44 ■ 3kW, 220 V circuit (400µs Dim / Switch module) x142 ■ 5kW, 220 V circuit (400µs Dim / Switch module) x13 ● Lite-Puter IGBT / MOSFET (not for use as general dimmer circuits) ■ House Light : 7 zones in (16-bit control, requires 14 control parameters)
Lighting Control
● DMX512, 5-pin XLR Connector ● sACN Protocol
Lighting Console
● ETC Ion Classic 6000 (Parameters × 6144) ● Universal Fader Wing × 1 (2 × 20) ● External Screen × 2
Wireless Control
Apple iPad mini × 1
Recommended Additional DMX Patch Section
From Universe 2/1

DIMMER CIRCUIT

Position		Dimmer No.	Load	DMX / Network / Non-dim
F.O.H	Follow Spot Room (House Left / SR)	187	5 kW	32A / 220V × 1
	Follow Spot Room (House Right / SL)	188	5 kW	32A / 220V × 1
	Catwalk #1	1 ~ 10	3 kW	DMX x 5 Ethernet x 5 16 A / 220 V × 5
		189 ~ 191	5 kW	
	Catwalk #2	26 ~ 35	3 kW	DMX x 5 Ethernet x 5 16 A / 220 V × 5
	SR Box Boom (House Left)	11 ~ 15	3 kW	DMX x 1 Ethernet x 1 16 A / 220 V × 1
	SL Box Boom (House Right)	16 ~ 20	3 kW	DMX x 1 Ethernet x 1 16 A / 220 V × 1

Position		Dimmer No.		Load	DMX / Network / Non-dim
Overhead	Downlight Row #1	41 ~ 52		3 kW	Ethernet x1
	Downlight Row #2	53 ~ 62		3 kW	
	Downlight Row #3	63 ~ 72		3 kW	
	Downlight Row #4	73 ~ 80		3 kW	
	Truss #1	91 ~ 102		3 kW	DMX x2 16 A / 220 V × 4 15 A / 110 V × 1
	Truss #2	103 ~ 114		3 kW	DMX x2 Ethernet x1 16 A / 220 V × 4 15 A / 110 V × 1
	Truss #3	115 ~ 126		3 kW	DMX x2 16 A / 220 V × 4 15 A / 110 V × 1
	Truss #4	127 ~ 138		3 kW	DMX x2 Ethernet x1 16 A / 220 V × 4 15 A / 110 V × 1
	Truss #5	25、36 ~ 40 (Same circuit number as wall outlet)		3 kW	DMX x2 16 A / 220 V × 4 15 A / 110 V × 1
		85 ~ 90 (Same circuit number as wall outlet)			
Stage	SR Wall outlet	Down Stage	21 ~ 25	3 kW	
			192 ~194	5 kW	
		Up Stage	86~90 (Same circuit number as truss #5)	3 kW	DMX x2 Ethernet x1 (Underneath stage floor)
			192 ~195	5 kW	

Position		Dimmer No.		Load	DMX / Network / Non-dim
Stage	SL Wall outlet	Down Stage	81 ~ 85	3 kW	
			196 ~198	5 kW	
		Up Stage	36 ~ 40 (Same number as truss #5)	3 kW	DMX x2 Ethernet x1 (Underneath stage floor)
			196 ~199	5 kW	
	SR, next to the pipe organ door track	139 ~ 186 (19-pin Socapex)		3 kW	DMX x1 Ethernet x1 16 A / 220 V × 2 16 A / 110 V × 2
Auditorium	Row 19				Ethernet x1 DMX x3 16 A / 110 V × 1
	Row 32				Ethernet x2 DMX x2 16 A / 110 V × 2

* Please refer to the "*STAGE - I STAGE SPECIFICATION AND FACILITIES*", & "*II RIGGING SYSTEM*" for specification.

* Please refer to the *" VI TECHNICAL DRAWING "*.

LIGHTING INSTRUMENT AND POWER CONNECTOR SPECIFICATION

1. CEE form 2P+E / 220 V 16A/ 32A (Blue)
2. 19-pin Socapex (USR outlet box by the pipe organ)

II LIGHTING EQUIPMENT (BASIC)

LIGHTING BASIC SETUP

Position		Address	Units	Wattage	Qty.
F.O.H	Follow Spot Room (House Left / SR)	Non-Dim	Lycian super star 2.5 kW HMI Model 1279	2500W	1
	Follow Spot Room (House Right / SL)	Non-Dim	Lycian super star 2.5 kW HMI Model 1279	2500W	1
	Catwalk #1	1/221~1/250	Prolights EclProfile 19°	270W	15
	Catwalk #2	1/251~1/270	Prolights EclProfile 5°	270W	10
	SR Box Boom (House Left)	1/271~1/278	Prolights EclProfile 26°	270W	4
		1/279~1/286	Prolights EclProfile 36°	270W	4
		1/287~1/290	Prolights EclProfile 26°	270W	2
	SL Box Boom (House Right)	1/291~1/298	Prolights EclProfile 26°	270W	4
		1/299~1/306	Prolights EclProfile 36°	270W	4
		1/307~1/310	Prolights EclProfile 26°	270W	2
Overhead	Downlight Row #1	1/311~1/346	Prolights EclPar 24°	207W	12
	Downlight Row #2	1/347~1/376	Prolights EclPar 24°	207W	10
	Downlight Row #3	1/377~1/406	Prolights EclPar 24°	207W	10
	Downlight Row #4	1/407~1/430	Prolights EclPar 24°	207W	8

* Please refer to the *" VI TECHNICAL DRAWING "*.

* Prolights EclProfile units are full white tungsten, LED 3w*91, 3200k, 2ch.

* Prolights EclPar units are tungsten, LED 177w, 3200k, 3ch.

HOUSE LIGHT

Position	Address	Qty.	Lamp Type
All dimmers	1/200~213	-	
2F Ceiling Recessed Light	1/200~201	106	Lite-Puter LED bulb R63, 16-bit
3F Ceiling Recessed Light	1/202~203	98	
Chandelier (Central)	1/204~205	115	LED PAR 38 12° (16 bit)
Chandelier (Side)	1/212~213		Lite-Puter LED bulb A60, 16-bit
Cross Form Recessed Light	1/206~207	140	LED PAR 38 12° (16 bit)
Wall Recessed Light	1/208~209	22	LED PAR38 12° (16 bit) 、 LED PAR38 38° (16 bit)
Ceiling Mini Recessed Light (Decorative)	1/210~211	224	Lite-Puter LED bulb A60, 16-bit

STAGE WORK LIGHT

Type	Coverage	Note
LED Flood	Stage	Non-dim
LED Tube	Auditorium celling work area (5F)	
Work Light (Flood)	Box Boom, Catwalk #1, Stage celling work area (5F)	

FOLLOW SPOT

- Model : Lycian super star 1279 2500W (HMI)
- Quantity : 2
- TELRAD Follow Spot Sight x2 *(Please request in advance and provide two AA batteries.)*

VERTICAL MAST LIFT

- Model : SNORKEL UL-40 MEWP
- Quantity : 1
- Max. platform height : 40ft (12.1m)
- Platform capacity (WLL) : 300 lbs (136kg)
- Platform dimensions : 0.56m x 0.66m
- All users are required to wear a hard hat and harness. You may bring your own or borrow them from the venue.

III POWER DISTRIBUTION PANEL

* Shared with Audio and Video

- Position : Stage Right
- CHSR2416 PANEL 3 phase 4W 208 / 120V 500A (Subdivided by main breaker)

3 phase 4W +G+N 250A ×1	● Cam-Lok E-Z1016 33 phase 4W+E / 125A x2 set ● CEE form 2P+E 208V / 32A (Blue) x2 ● CEE form 2p+E 120V / 32A (Blue) x2
1 phase 2W 120V / 60A×3	NEMA 5-15 / 15A x2 sockets



IV LIGHTING EQUIPMENT (RENTAL)

*Some instruments are shared among venues. Please preorder the items through "NTCH facilities service system" and arrange technicians to transport them.

* Please refer to the "*Guidelines for Rental of Venue Equipment and Services.*"

CONSOLE

No.	Model	Brand	Qty.	Note
1	GrandMA2 Command Wing	MA Lighting	1	●With Fader Wing ●Please bring your own computer with onPC software. ●Parameters × 4096
2	GrandMA3 Command Wing	MA Lighting	1	●With Fader Wing ●Please bring your own computer with onPC software. ●Parameters × 2048

INSTRUMENTS AND ACCESSORIES

* Accessories are included at no extra cost.Please refer to the *"V LIGHTING ACCESSORIES ".*

No.	Equipment	Qty.	Note
1	ETC Source Four 750W 19°	10	
2	ETC Source Four 750W 26°	10	
3	ETC Source Four 750W 36°	10	
4	ETC Source Four 750W 14°	8	
5	ETC Source Four 750W 14°	5	
6	Par 64 1kW CP60 / CP61 / CP62 / EXG	50	Bulbs could change
7	ETC LED Par Desire D60 Lustr+ 18°	30	Lens Options: 25°、35°、45°、75°
8	Strand Fresnel 2kW 8° ~59°	24	
9	ADB Fresnel 5kW 7.5° ~56°	5	
10	ADB Warp HMI Daylight Zoom Profile 575W 12° ~30°	16	
11	Flood 500W	50	
12	Kupo PCL-STM 010 MR16 Mini-Strip	14	110V / 710W / with 25° beam angle
13	Altman ZIP strip ZS-3 MR16 Mini-Strip	8	110V / 710W / with 25° beam angle
14	Martin Atomic 3000	3	
15	SeaChanger Wash Color Engine	24	The fee includes an ETC S4 fixture.

No.	Equipment	Qty.	Note
16	SeaChanger Spot Color Engine	8	The fee includes an ETC S4 fixture.
17	Wybron Coloram IT32Color, 8" Color Scroller	30	● Compatible with ETC S4, PAR64, and 7.5" color frame slot instruments. ● The gelstring order is provided in the table next page. ● Instruments are not included when renting the color changer by itself.
18	Color Gel	● Please request in advance, provided depending on the venue's stock. ● Charge 25 sheets per batch.	

Gelstring Order Form

Percent	Color	Frame
0 %	RE130 - Clear	1
3 %	R119 - Light Hamburg Frost	2
6 %	L101 - Yellow	3
9 %	L102 - Light Amber	4
12 %	L103 - Straw	5
15 %	L104 - Deep Amber	6
18 %	L105 - Orange	7
21 %	L106 - Primary Red	8
24 %	L109 - Light Salmon	9
27 %	L110 - Middle Rose	10
31 %	L115 - Peacock Blue	11
34 %	L117 - Steel Blue	12
37 %	LHT119 - Dark Blue	13
40 %	R384 - Midnight Blue	14
43 %	LHT122 - Fern Green	15
46 %	LHT124 - Dark Green	16
49 %	L126 - Mauve	17
53 %	L128 - Bright Pink	18
56 %	L132 - Medium Blue	19
59 %	L136 - Pale Lavender	20
62 %	L137 - Special Lavender	21
66 %	LHT139 - Primary Green	22
69 %	L141 - Bright Blue	23
73 %	L147 - Apricot	24
76 %	L152 - Pale Gold	25
79 %	L161 - Slate Blue	26
83 %	L162 - Bastard Amber	27
86 %	LHT181 - Congo Blue	28
89 %	L201 - Full CT Blue	29
93 %	L202 - 1/2 CT Blue	30
96 %	L203 - 1/4 CT Blue	31
100 %	L205 - 1/2 CT Orange	32

V LIGHTING ACCESSORIES

*Accessories are included without extra cost.

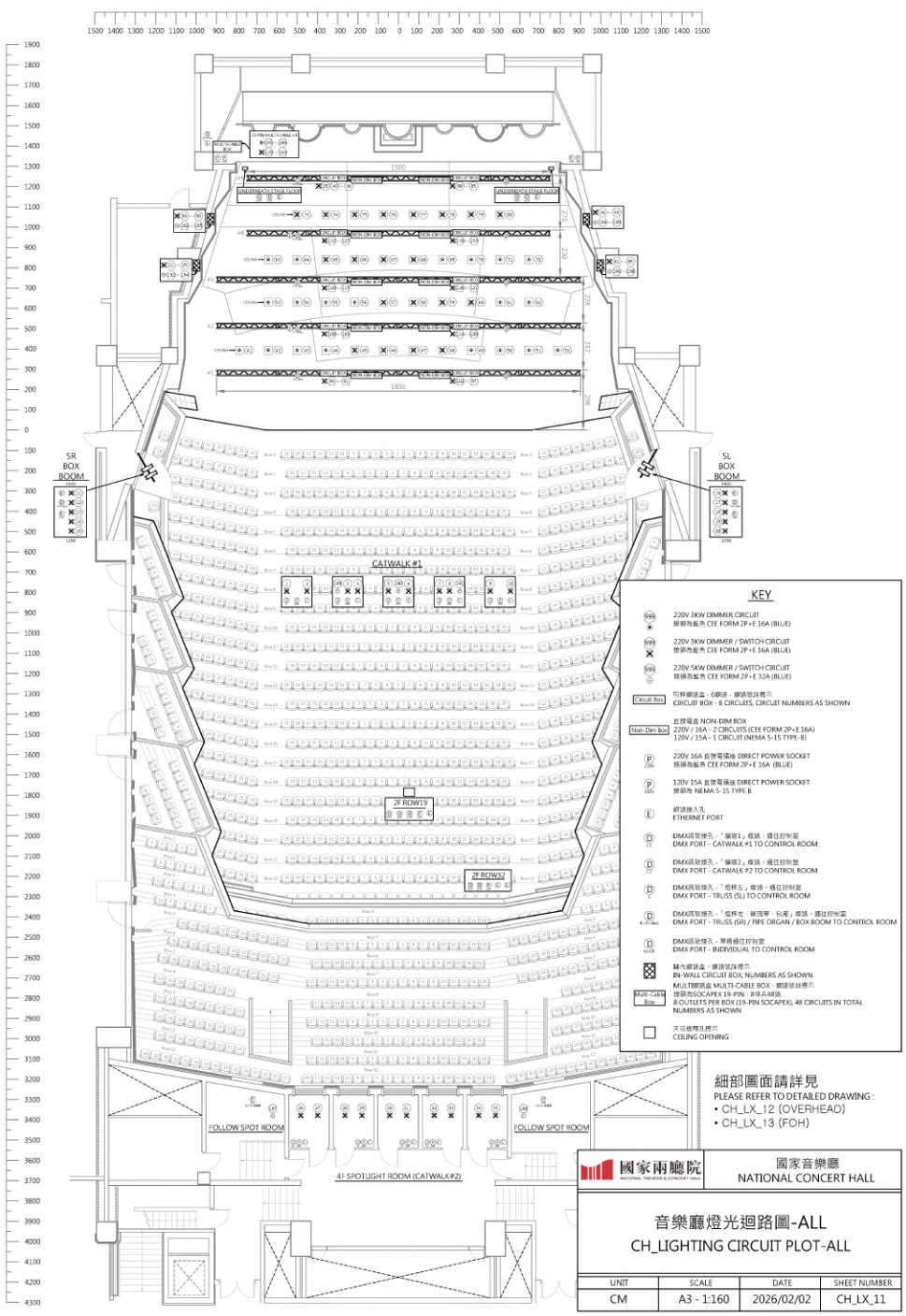
*Quantities to be confirmed in the technical meeting.

No.	Equipment	Instrument / Note	
1-1	Gel Frame	S4 750 W 19°,26°,36°	16cm x 16cm (6 ¼")
1-2		S4 750 W 14°	19cm x 19cm
		S4 750 W 70°	
1-3		PAR 64 1 kW	25cm x 25cm (10")
1-4		Fresnel 2 kW	25.7cm x 25.7cm (10 ⅛")
1-5		Fresnel 5 kW	34cm x 34cm (13 ¾")
1-6		Warp HMI Daylight Zoom Profile 575 W	18.5cm x 18.5cm
1-7		ZIP strip ZS-3 MR16 ministrip	12cm x 12cm
1-8		Wybron Coloram	19.8cm x 25.4cm
2-1	Barndoor	Fresnel 2 kW	
2-2		Fresnel 5 kW	
2-3		LED PAR Desire D60 Lustr+	
3	Gobo Holder	Source Four 750 W	
		Prolights EclProfile	
4	Iris Kit	Source Four 750 W	
		Prolights EclProfile	
5	Dimmer Shutter	Warp HMI Daylight Zoom Profile 575 W	
6	Gobo / Iris		

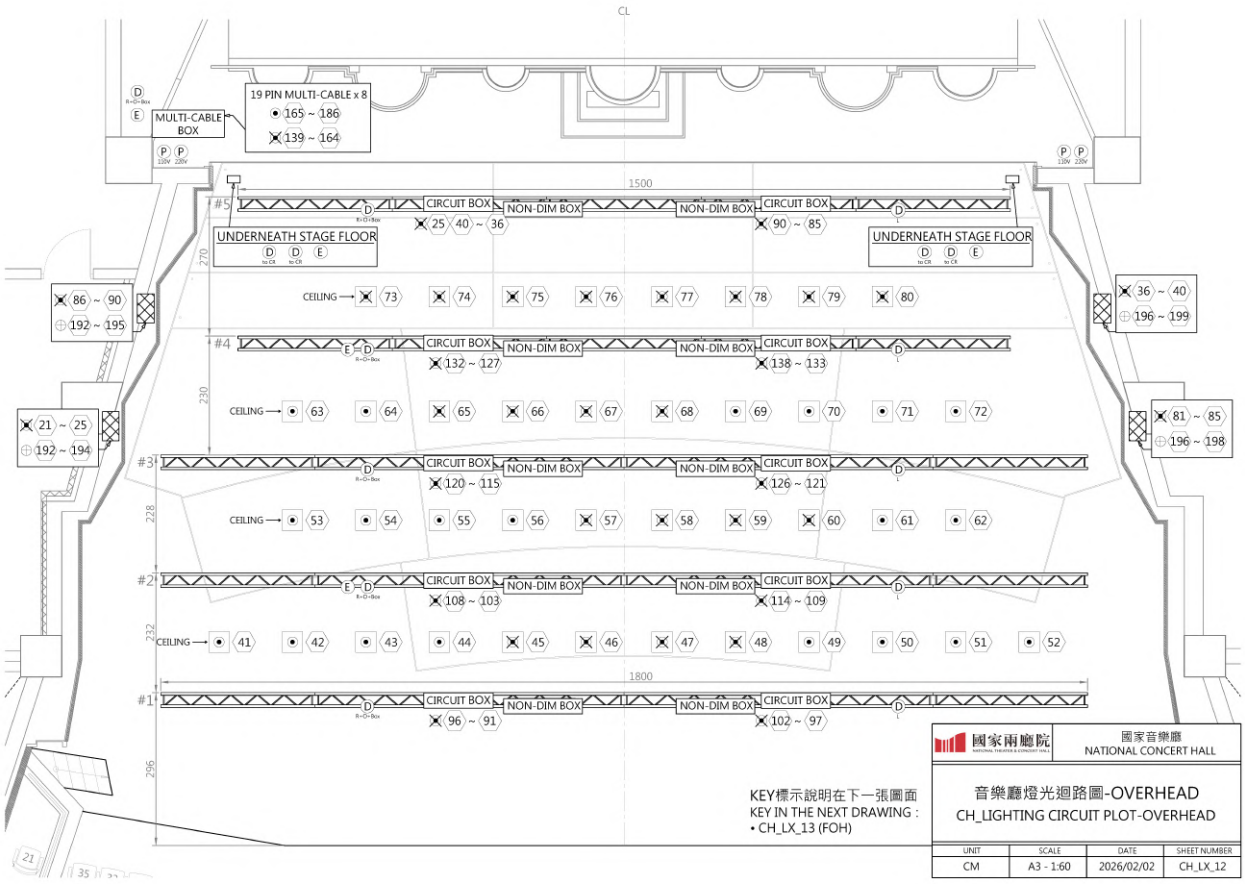
VI TECHNICAL DRAWING

* Please refer to the NTCH official website, under VENUE RENTAL.

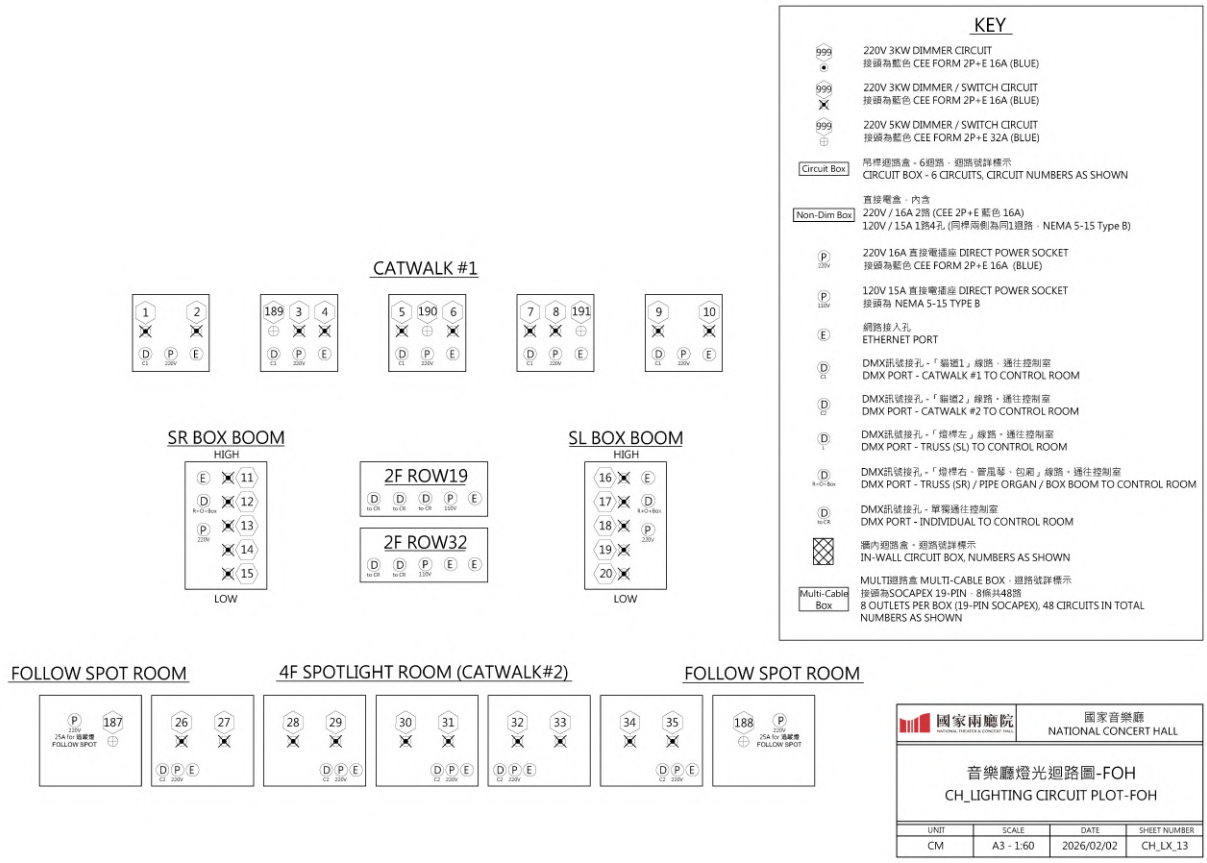
LIGHTING CIRCUIT PLOT – ALL



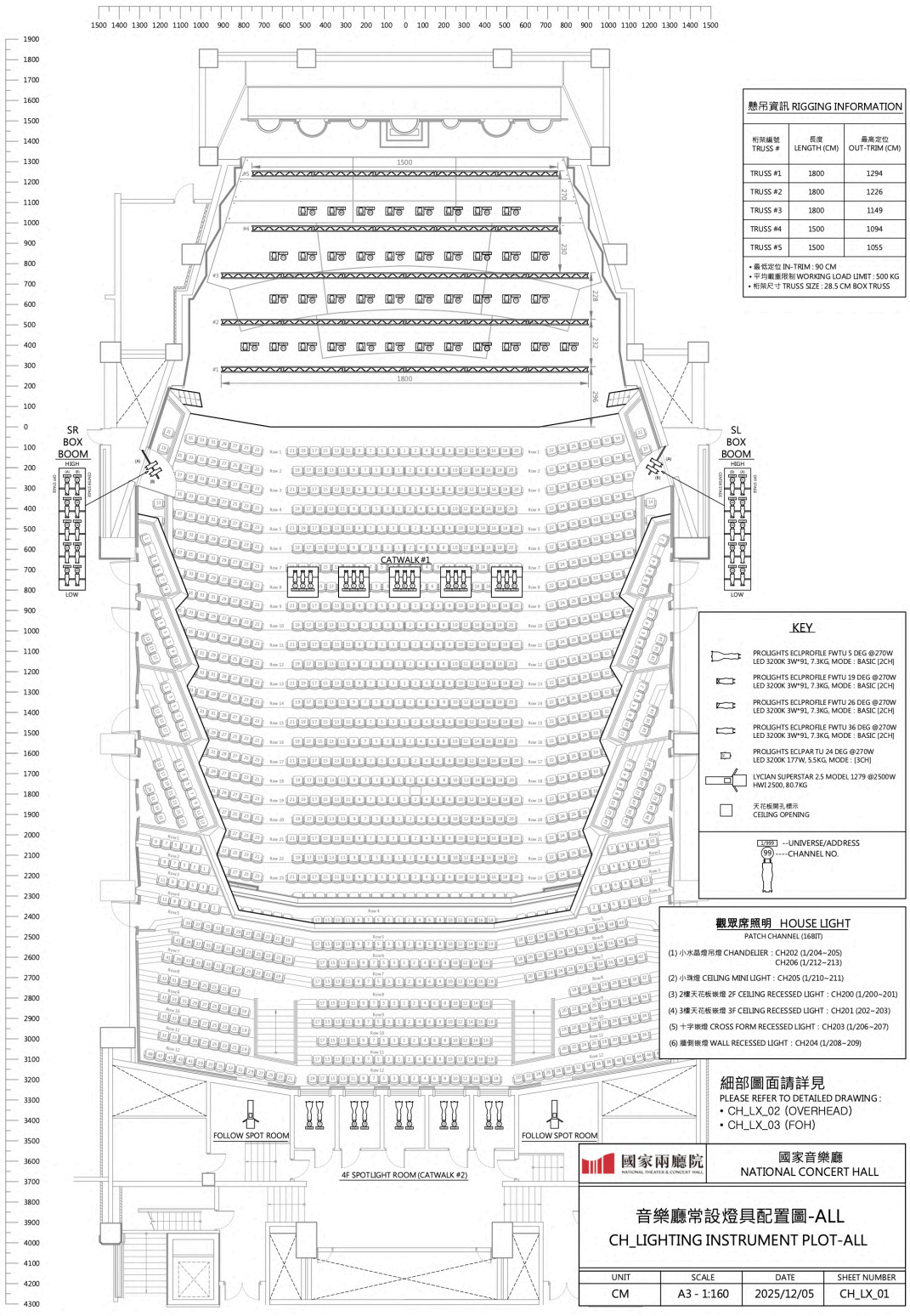
LIGHTING CIRCUIT PLOT – OVERHEAD



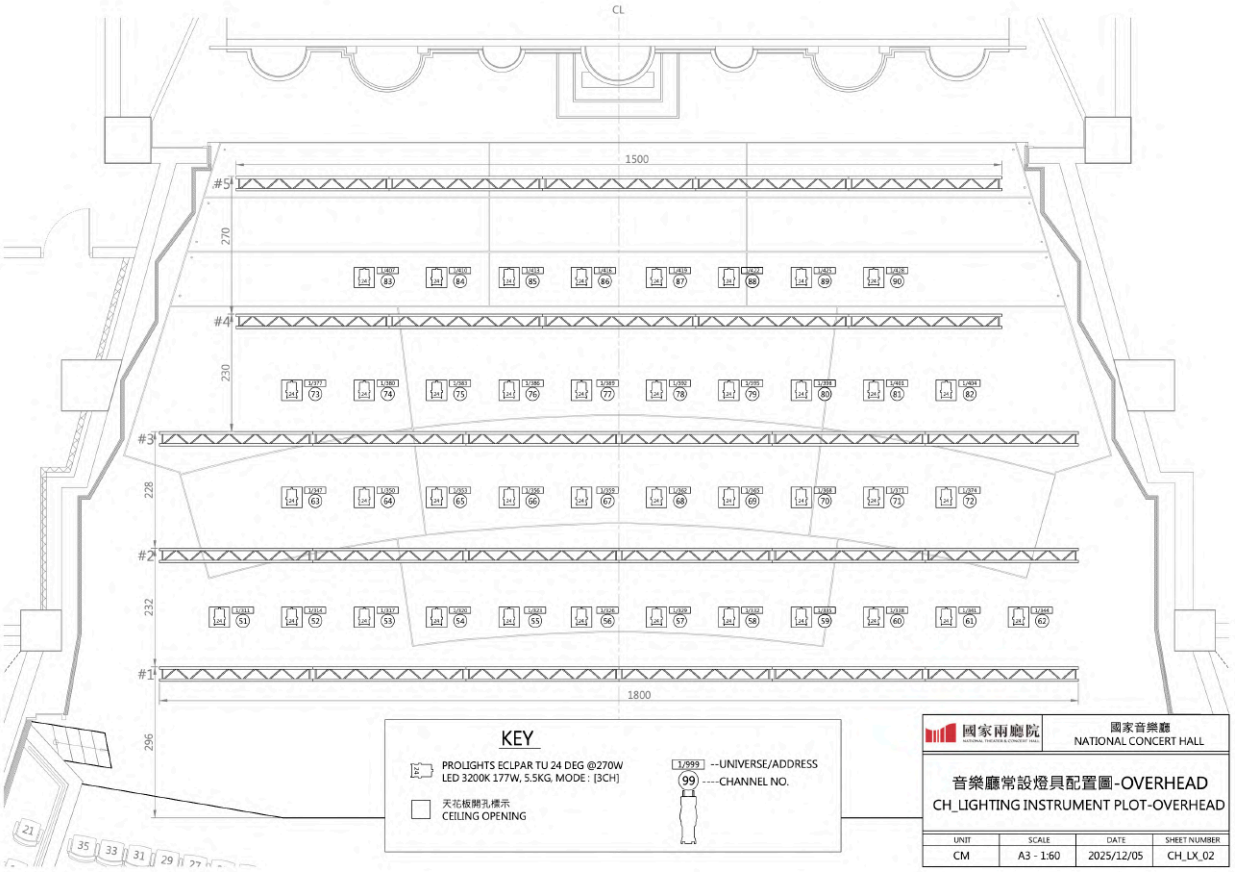
LIGHTING CIRCUIT PLOT - FOH



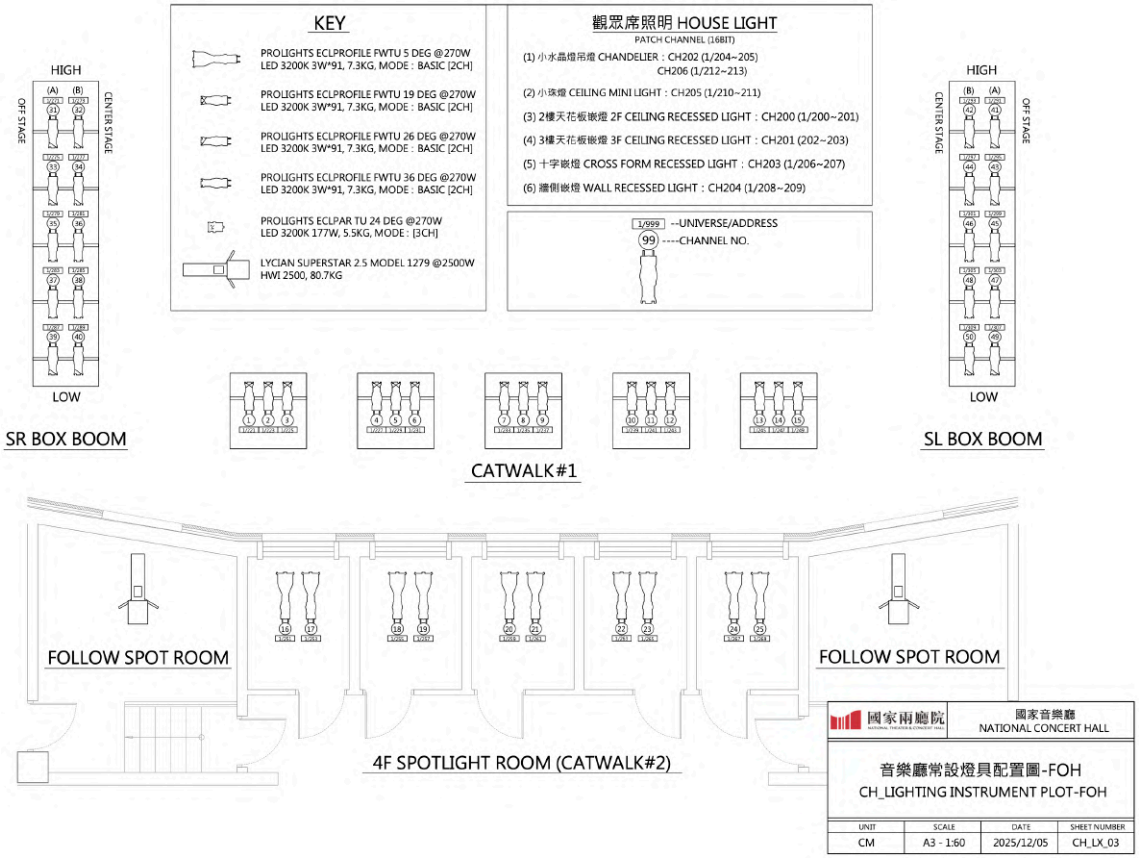
LIGHTING INSTRUMENT PLOT-ALL



LIGHTING INSTRUMENT PLOT - OVERHEAD



LIGHTING INSTRUMENT PLOT - FOH



AUDIO AND VIDEO

I AUDIO AND VIDEO EQUIPMENT IN CONTROL ROOM

AUDIO

No.	Equipment	Model	Qty.	Note
1	Mixer	STUDER VISTA- V	1	1. 40 Mic Input Channel 2. 32 Line Channel 3. 8 Master stereo 4. 8 Group mono 5. 4 Group stereo 6. 16 Aux mono 7. 8 Aux Stereo
2	CD-RW	TASCAM SS-CDR250N	2	For performance recording purposes. Please refer to *"Guideline for Rental of Venue Equipment and Services"* for recording fees.
3	MacBook	MacBook Air M2 with QLab5	1	Operated by venue, for announcement and commercial purposes.
4	Monitor Speaker	GENELEC 8050A	2	
5	Wireless Microphone	SHURE ULXD2+SM58 / KSM9	6 / 6	**Rental** Please refer to *"Guideline for Rental of Venue Equipment and Services"* (up to 6 channels)
6	Mini Microphone (ULXD4Q/D)	SHURE ULXD1+MX150B	6	

VIDEO RECORDING

No.	Equipment	Model	Qty.	Note
1	Digital HD Color Camera	Camera Power Supply IKEGAMI BSF-55	1	1. Mounted at the 3rd-floor auditorium centre. 2. Individual operation 3. HD/ SD-SDI & composite output 4. For BD recording archives, monitoring, and FOH lobby viewing for late comers. 5. Please refer to "*Guideline for Rental of Venue Equipment and Services*" for recording fees.
		IKEGAMI HDK-79GX	1	
		OCP-399	1	
2	Professional Viewfinder and Field Monitor	PROTECH HDF-700	1	HD LCD waveform monitor
3	Digital Hard Disk Recorder	64T HDD Array	1	For performance recording purposes. Please refer to the "Guideline for Rental of Venue Equipment and Services" for recording fees.
4	Video Monitor	17" LCD HDTV IKEGAMI HLM-1704WR	1	
		9" LCD HDTV IKGAMI HLM-905WR	3	

II AUDIO SYSTEM

PUBLIC ADDRESS SYSTEM

Equipment	Model	Qty.	Position	Note
Main Loudspeaker	Philips LBC 3053	8	Stage Proscenium	Constant voltage mono system

AUDIO SIGNAL

Item	Description	Qty.	Position	Note
Microphones	XLR Female	40	Around the stage	Please refer to *" VIII TECHNICAL DRAWING "* in this chapter for the microphone signal path.
		2	PD Room	
Multi Cable	A, B sets (16 channels each)	4	Stage, Auditorium row 19, 32	



OVERHEAD HANGING MICROPHONE

Model		Qty.	Position	Note
NEUMANN	SM 69FET	1	Overhead	● Fixed, for monitoring and recording. ● Please refer to *"VIII TECHNICAL DRAWING "*in this chapter for hanging position.
SCHOEPS	CCM21Lg	4		
	MSTC64g	1		

COMMUNICATIONS (INTERCOM SYSTEM)

Equipment	Model	Qty.	Position	Note
Main Station Unit	Clear-Com SB704	1	Stage Manager's Office	
	WP-2 (connection)	5	● SR ● SL ● Auditorium ● Follow Spot Room	
Remote speaker station	Clear-Com KB-702	3	● SR ● Sound Control Room ● Lighting Control Room	
Beltpack	Clear-Com RS–601 / RS-501	10	Stage Manager's Office	There are XLR sockets in the centre area of auditorium 19th Row, and 4th Floor 1st Row.
	Clear-Com RS–601	2 sets	Follow Spot Room	Standard setup (with headset)
Digital Wireless Systems Five-channel	Clear-Com FreeSpeak II	1	Stage Manager's Office	
Beltpack	Clear-Com FSII-BP19-X4	3	Stage Manager's Office	
		3	Sound Control Room	
Single-sided headset	Telex PH-1	9	Stage Manager's Office	
Single-ear standard headset with microphone	Clear-Com CC-300	6	Sound Control Room	

* Refer to the *" VIII TECHNICAL DRAWING "* for the Intercom signal path.

III AUDIO RENTAL

* Rental Items for National Theater, Experimental Theater, Concert Hall, and Recital Hall, please refer to the *"Guideline for Rental of Venue Equipment and Services"* for fees.

MIXING CONSOLE AND AUDIO PROCESSOR

No.	Equipment	Model	Qty.
1	Active DI Box	Klark Teknik DN100	9
2	Analogue Mixing Console	MIDAS VENICE 160	2
3	Digital Mixing Console	YAMAHA CL5	1
4	Digital Mixing Console	YAMAHA QL5	1
5	Digital Mixing Console	YAMAHA QL1	1
6	Digital Mixing Console	YAMAHA DM7 Compact	1
7	D I/O Rack Interface	YAMAHA 3224	3

MAIN AND MONITOR SPEAKER

No.	Equipment	Model	Qty.
1	Compact Point Source Loudspeaker	Meyer Sound ULTRA X40	10
2	Compact VariO™ Loudspeaker	Meyer Sound UPJ-1P	4
3	Stage Monitor	Meyer Sound UM-1P	8
4	Compact Subwoofer	Meyer Sound USW-1P	2
5	Very Compact Low-Frequency Control Element	Meyer Sound 750-LFC	4
6	Ultracompact Wide Coverage Loudspeaker	Meyer Sound UPM-1P	4
7	Active Powered Monitor Speaker	YAMAHA MSP5A	4

MICROPHONE AND STAND

No.	Equipment	Model	Qty.	Type	Note
1	Tall Mic Stand	K&M / 210-09	13	-	90~210 cm
2	Short Mic Stand	K&M / 25900	2	-	35~57 cm
3	Wired Microphone	AKG / D112	4	Dynamic	
4		AKG / D330BT	10		
5		Sennheiser / MD 441-U	12		
6		Shure / SM57	10		
7		Shure / SM58	6		
8		Shure / SM58S	5		
9		Shure / Beta 57A	6		
10		Shure / Beta 58A	5		
11	Condenser Microphone	AKG / C3000	3	Condenser	
12		AKG / C414B-XLS	8		
13		AKG / C562BL	3		
14		CROWN / PCC-160	5		
15		SCHOEPS / CMC6+MK4g	2		MK4g Capsule CMC6 Preamplifier
16		Neumann/ U87Ai	3		Black
17		Neumann / KM 184	4		Silver
18		Sennheiser / MKH-70	6		
19		Shure / Beta 91A	2		
20		Shure / PGDMK6-XLR	1 set	Drum Kit	6-mic Drum Microphone Package

IV VIDEO SYSTEM

FIBER OPTIC CAMERA PATCH PANEL

- For HD multi-camera recording.
- All video fiber connections to the sound control room.

Equipment	Model	Qty.	Position
SMPTE Hybrid	LEMO 3K93C Series plugs	7	1F ETP Room
	LEMO 3K93C Series socket	7	1. Auditorium VIP 2. Auditorium 32nd Row 3. DSR 4. USR - 1 5. USR - 2 6. USL 7. DSL



▲ SMPTE Hybrid LEMO 3K93C Series plug



◀ SMPTE Hybrid LEMO 3K93C Series socket

CCTV / MATV

* For stage monitoring and latecomers viewing.

No.	Position	Floor	Model	Qty.
1	Front of House	1F	40" Networked LCD Display	2
2		2F	50" Networked LCD Display	2
3		3F	40" Networked LCD Display	2
4		4F	40" Networked LCD Display	2
5	Crossover and Waiting Area	2F	42" LED-TV	2
6	Conductor Lounge Room		42" LED-TV	1
7	Sound Control Room Lighting Control Room		Sampo 20" LCD	2
8	Stage Manager's Office		42" LED-TV	1
9	SR, SL Waiting Area		42" LED-TV	2

V VIDEO RENTAL

* Please refer to the "*Guideline for Rental of Venue Equipment and Services*" for fees.

PROJECTOR

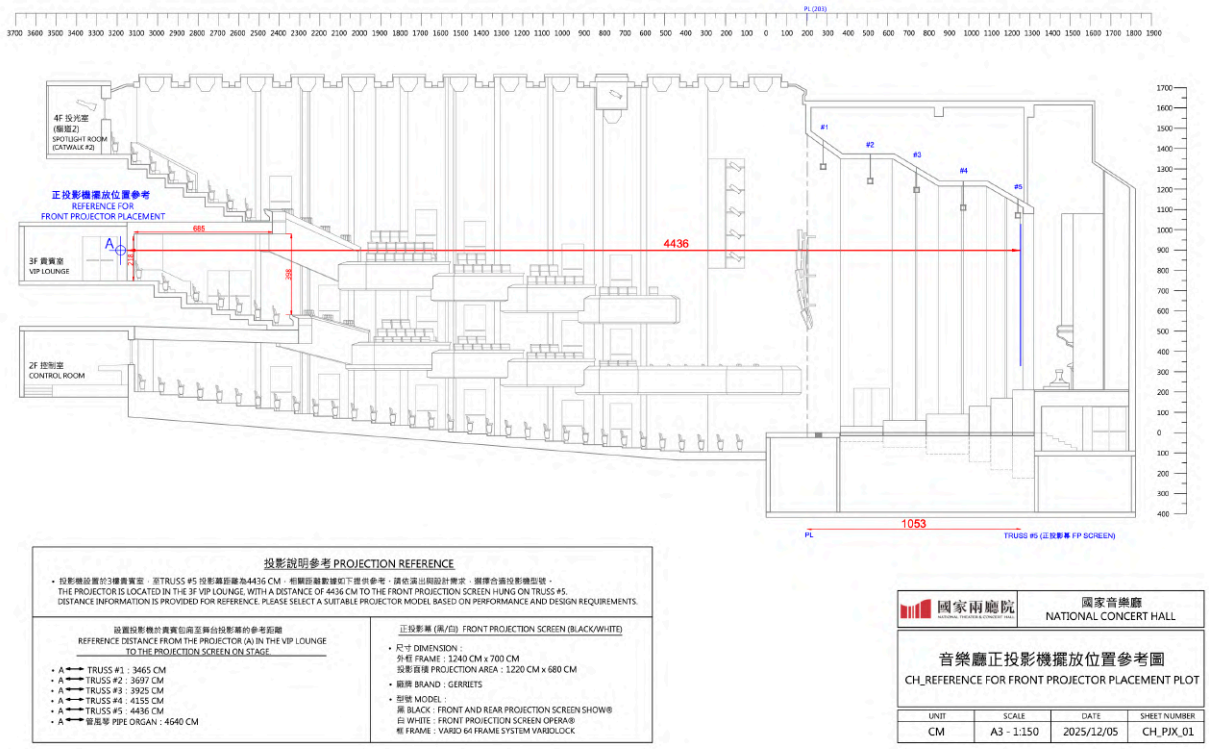
No.	Specification	Model	Qty.
1	5,500 lumens	EPSON / EB-2065	2
2	3,500 lumens Ultra-short-throw projector	EPSON / EB-685W	2
3	6,000 lumens Full HD Laser projector (HD 1920 x 1200)	EPSON / EB-L610U （HD）	1

PROJECTION SCREEN

No.	Specification	Model	Oty.
1	80" Front Projection Screen 180cm x 135cm	DA-LITE SP-80 Portable Floor Screen	4
2	100" Front Projection Screen 214cm x 163cm	DA-LITE SP-100 Portable Floor Screen	4
3	150" Front / Rear Projection Screen 305cm x 229cm	DA-LITE Fast Fold Screen	2

* Gerriets FP Screen (12.2m x 6.8m) is available for rental as well, please refer to the "*STAGE, IV STAGE EQUIPMENT, SCENARY*", and refer to the NTCH Facilities System.

REFERENCE FOR FRONT PROJECTOR PLACEMENT



* Reference for Front Projector Placement :

The projector is located in the 3F VIP Lounge, with a distance of 4436cm to the front projection screen hung on Truss #5. Distance information is provided for reference. Please select a suitable projector model based on performance and design requirements.

* Reference Distance from the projector in the VIP Lounge to the projection screen on stage.

Projection on	From 2F VIP lounge to projection location
Truss #1	3,465 cm
Truss #2	3,697 cm
Truss #3	3,925 cm
Truss #4	4,155 cm
Truss #5	4,436 cm
Pipe organ	4,640 cm

VI ETHERNET

ETHERNET PORT

Position	Note
Stage	SR, SL
Control Room	
Auditorium	Row 19, Row 32

* Refer to the *"VIII TECHNICAL DRAWING."*

VII POWER DISTRIBUTION PANEL

* Sharing with Lighting.

- Position : SR Waiting Area
- CHSR2416 PANEL 3 phase 4W 208 / 120 V 500 A

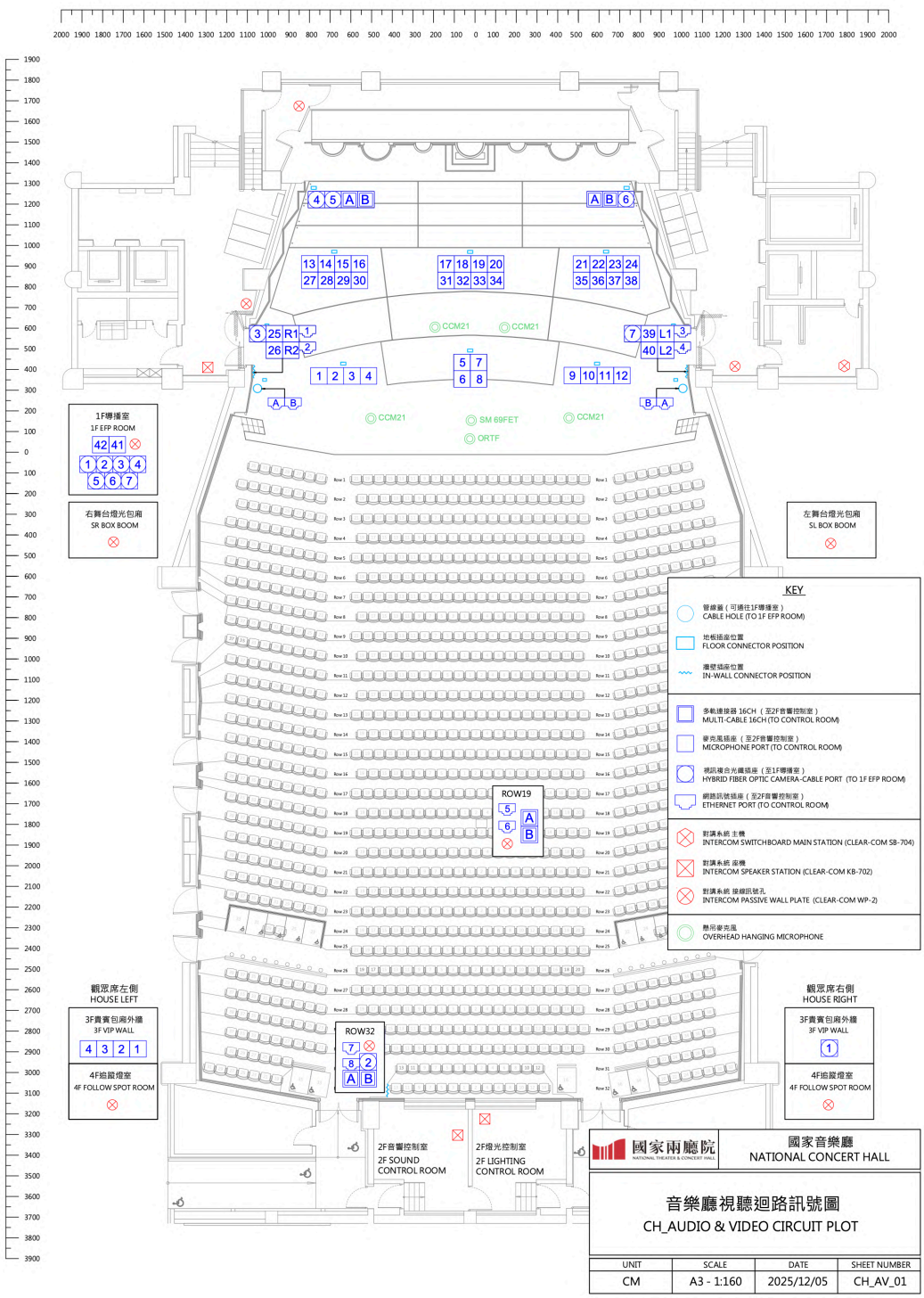
3 phase 4W 250A ×1	● Cam-lok E-Z1016 3 phase 4W+E / 125A x2 sets ● CEE form 2P+E 208V / 32A (Blue) x2 ● CEE form 2p+E 120V / 32A (Blue) x2
1 phase 2W 120V / 60 A × 3	NEMA 5-15 / 15A x2 sockets



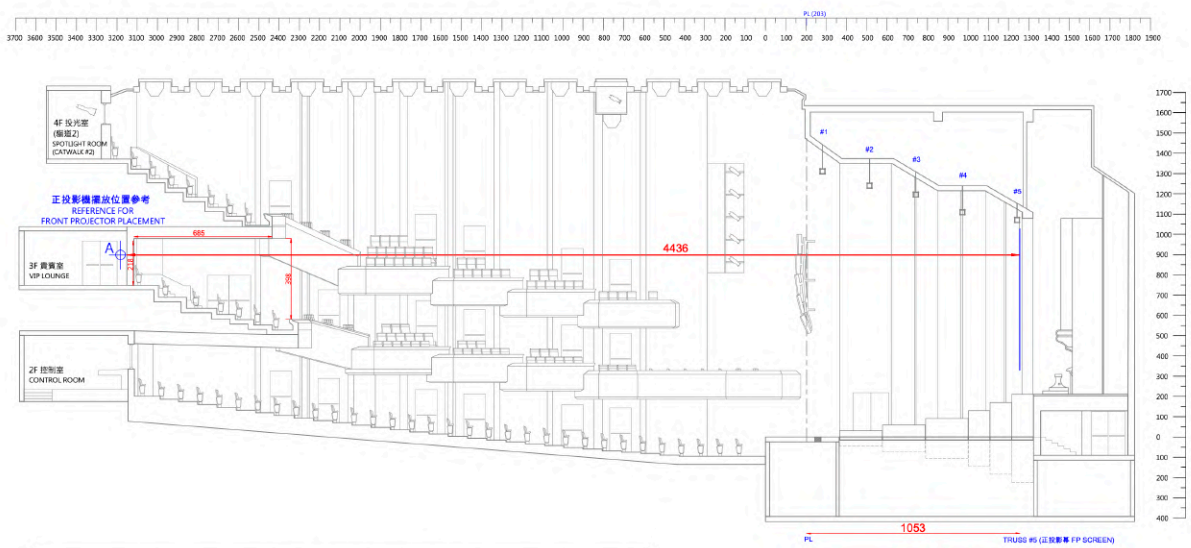
VIII TECHNICAL DRAWING

* Please refer to the NTCH official website, under VENUE RENTAL

AUDIO AND VIDEO CIRCUIT PLOT



REFERENCE FOR FRONT PROJECTOR PLACEMENT PLOT



投影說明參考 PROJECTION REFERENCE

- 投影機設置於3樓貴賓室，至TRUSS #5 投影幕距離為4436 CM，相關距離數據如下提供參考，請依選出與設計需求，選擇合適投影機型號：
THE PROJECTOR IS LOCATED IN THE 3F VIP LOUNGE, WITH A DISTANCE OF 4436 CM TO THE FRONT PROJECTION SCREEN HUNG ON TRUSS #5.
DISTANCE INFORMATION IS PROVIDED FOR REFERENCE. PLEASE SELECT A SUITABLE PROJECTOR MODEL BASED ON PERFORMANCE AND DESIGN REQUIREMENTS.

設置投影機於貴賓包廂至舞台投影幕的參考距離
REFERENCE DISTANCE FROM THE PROJECTOR (A) IN THE VIP LOUNGE TO THE PROJECTION SCREEN ON STAGE

- A ⟷ TRUSS #1 : 3465 CM
- A ⟷ TRUSS #2 : 3697 CM
- A ⟷ TRUSS #3 : 3925 CM
- A ⟷ TRUSS #4 : 4155 CM
- A ⟷ TRUSS #5 : 4436 CM
- A ⟷ 管風琴 PIPE ORGAN : 4640 CM

正投影幕 (黑/白) FRONT PROJECTION SCREEN (BLACK/WHITE)

- 尺寸 DIMENSION :
外框 FRAME : 1240 CM x 700 CM
投影面積 PROJECTION AREA : 1220 CM x 680 CM
- 廠牌 BRAND : GERRIETS
- 型號 MODEL :
黑 BLACK : FRONT AND REAR PROJECTION SCREEN SHOW®
白 WHITE : FRONT PROJECTION SCREEN OPERA®
框 FRAME : VARIO 64 FRAME SYSTEM VARIOLOCK

國家兩廳院 NATIONAL THEATER & CONCERT HALL
國家音樂廳 NATIONAL CONCERT HALL

音樂廳正投影機擺放位置參考圖
CH_REFERENCE FOR FRONT PROJECTOR PLACEMENT PLOT

UNIT	SCALE	DATE	SHEET NUMBER
CM	A3 - 1:150	2025/12/05	CH_PJX_01

BACKSTAGE

I BACKSTAGE SPACES

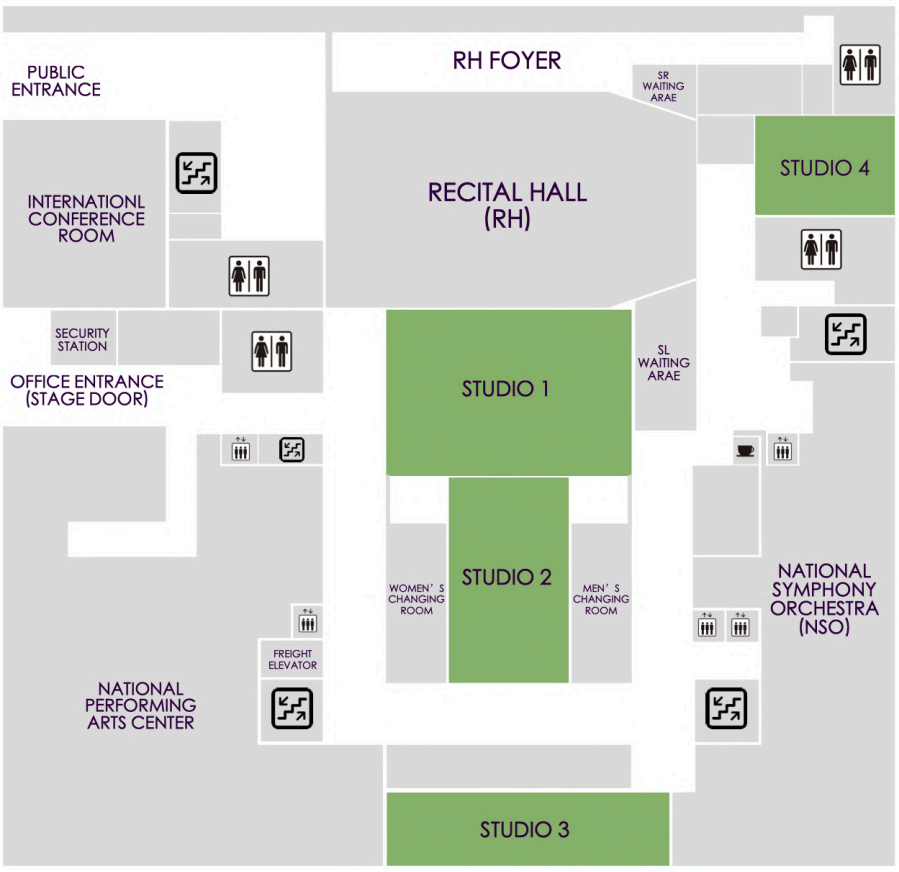
REHEARSAL STUDIOS (BF)

* Available for separate rental. Please refer to the *"Guidelines for Rental of Venue Equipment and Services."*

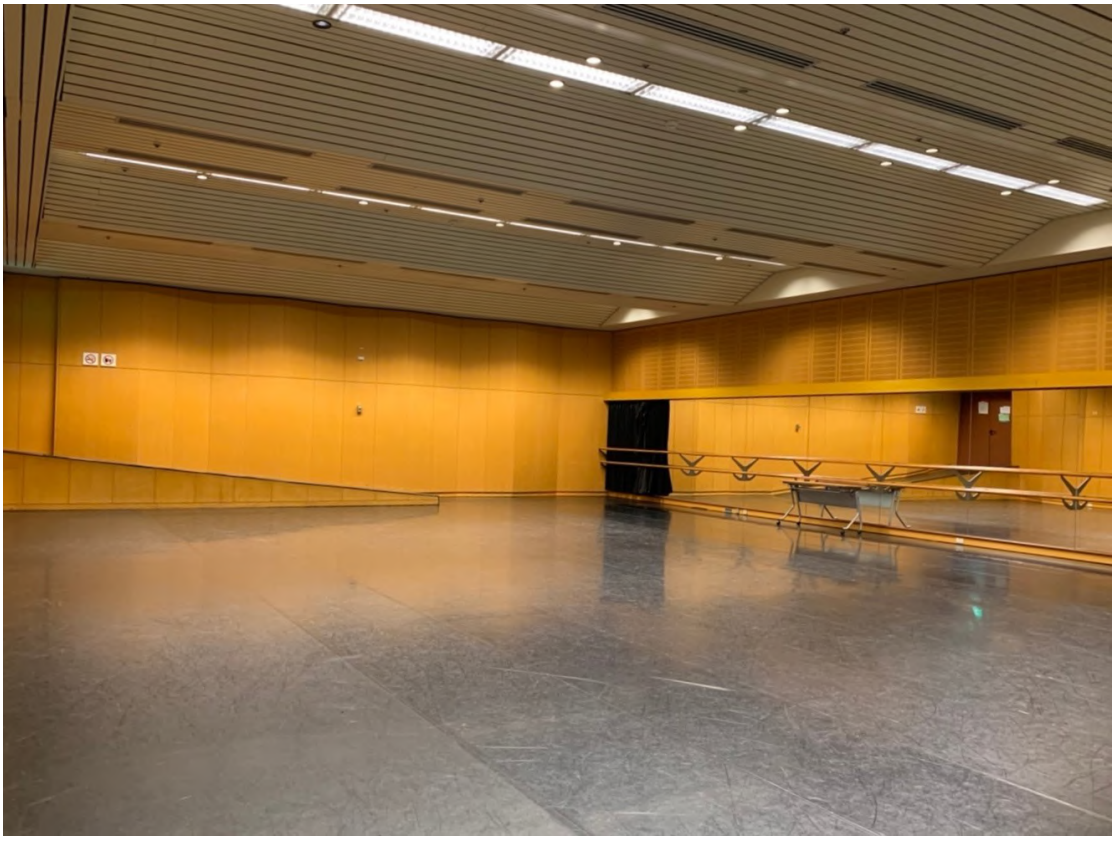
* Rehearsal studio equipment is shared among all venues. Please check availability in advance.

* Power Supply: 110V / 15A.

* Restriction : **Maximum two (2) high-wattage items at once.**

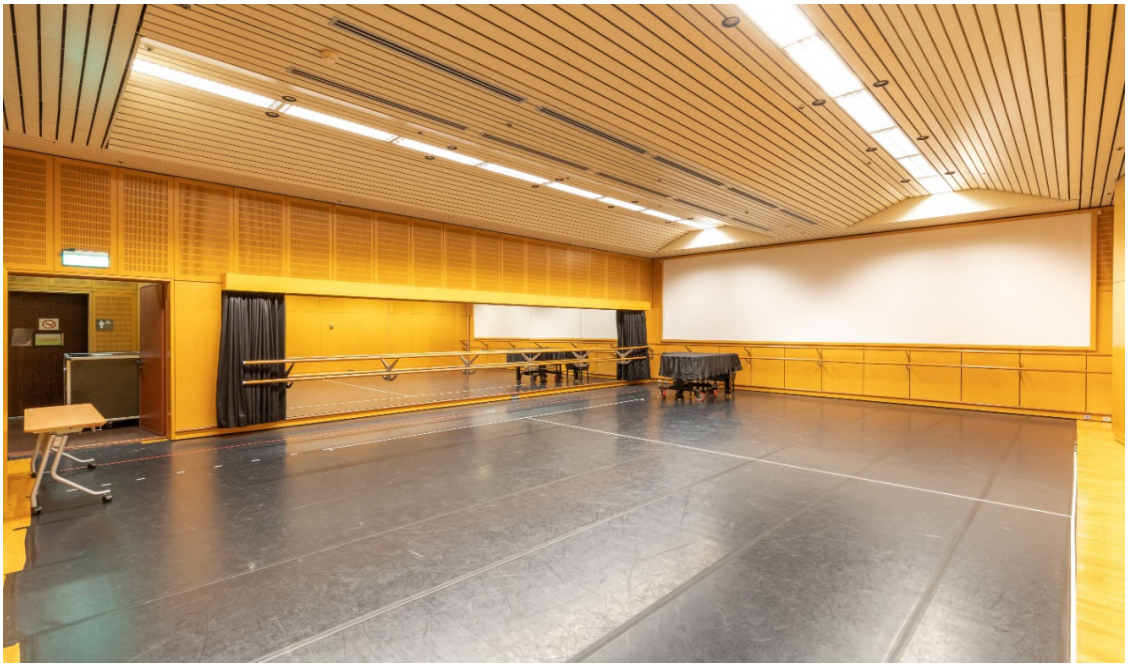


STUDIO 1



Dimensions (L x W x H)	Recommended Capacity	Facilities	Equipment	Qty.
18 × 12 × 3.5 (m)	72	● Mirror Wall ● Ballet Barre ● Marley Floor ● Barrier-free Ramp	YAMAHA C3 Grand Piano	1
			Piano Bench	1
			Folding Table	1

STUDIO 2



Dimensions (L x W x H)	Recommended Capacity	Facilities	Equipment	Qty.
11× 8 × 3.5 (m)	32	● Mirror Wall ● Ballet Barre ● Marley Floor	YAMAHA C3 Grand Piano	1
			Piano Bench	1
			Folding Table	1

STUDIO 3



Dimensions (L x W x H)	Recommended Capacity	Facilities	Equipment	Qty.
17×5.3×2.4 (m)	10	● Mirror Wall ● Marley Floor	YAMAHA U3 Upright Piano	1
			Piano Bench	1
			Folding Table	1
			Hercules Music Stand	11
			Chairs	20

STUDIO 4





Dimensions (L x W x H)	Recommended Capacity	Facilities	Equipment	Qty.
10.1×7.2×2.5 (m)	8	Marley Floor	YAMAHA C3 Grand Piano	1
			Piano Bench	1
			Folding Table	1
			Hercules Music Stand	10
			Chairs	10

MEN'S CHANGING ROOM



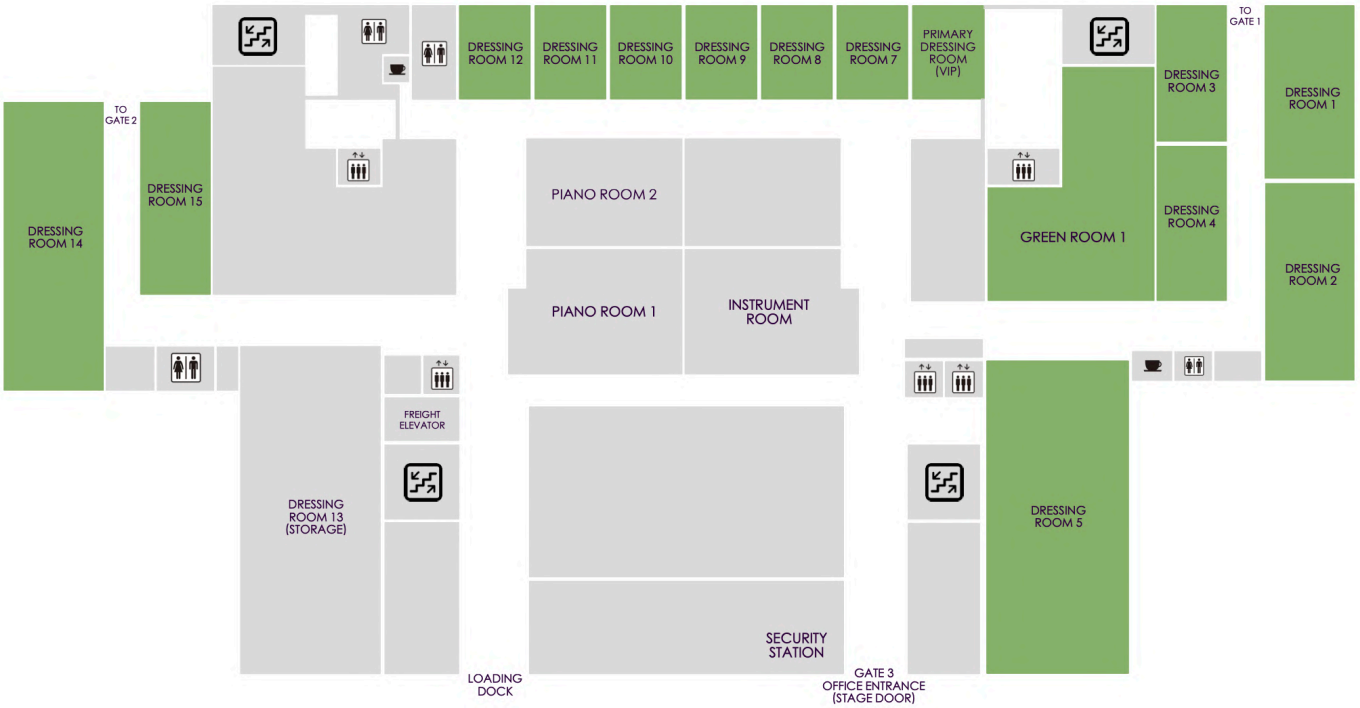
Facilities	Equipment	Qty.	Note
● Shower Room ● Toilet ● Lounge	Blue-Gray High Stool (For Timpani and Double Bass)	6	
	Chairs	40	
	Hercules Music Stand	80	packed in a crate
	Metal Barre, 1.82m x 1.02m (L x H)	4	
	Hanger Rack	2	

WOMENS'S CHANGING ROOM



Facilities	Equipment	Qty.	Note
● Shower Room ● Toilet ● Lounge	Black High Stool (For Double Bass)	5	
	Chairs	40	
	Hanger Rack	1	Outside of the Studio

DRESSING ROOM AND GREEN ROOM (GF)



INDIVIDUAL DRESSING ROOM



* Photo: Reference only; equipment layout may vary.

* Power Supply: 110V / 15A and 220V / 25A.

* Restriction: Maximum two (2) high-wattage items at once.

Room No.	Recommended Capacity	Facilities	Equipment	Qty
Dressing Room 7~12	1-4	● Showers ● Toilets ● Floor mirror	Wooden table	1
			Sofa	1
			Wooden chair	3
			YAMAHA U3 (upright) with bench	1
			Monitor screen	1
			Electronic Safe	1

GROUP DRESSING ROOM



* Photo: Reference only; equipment layout may vary.
* Power Supply: 110V / 15A and 220V / 25A.
* Restriction: Maximum two (2) high-wattage items at once.

Rooms No.	Recommended Capacity	Facilities	Equipment	Qty.
Dressing Room 1	10~20 (Connected)	● Showers ● Toilets ● Floor mirror ● Make-up mirrors ● Lockers	Wooden coffee table	7
			Monitor screen	1
			Hanger rack	1
			Chairs	9
			YAMAHA U3 (upright) with bench	1
Dressing Room 2			Wooden coffee table	4
			Monitor screen	1
			Sofa	-
			Wooden table	2
			Hanger rack	1
			Folding table	1
			Chairs	10



* Photo: Reference only; equipment layout may vary.

* Power Supply: 110V / 15A and 220V / 25A.

* Restriction: Maximum two (2) high-wattage items at once.

Rooms No.	Recommended Capacity	Facilities	Equipment	Qty.
Dressing Room 3	10~20 (Connected)	● Showers ● Toilets ● Floor mirror ● Make-up mirrors ● Lockers	Wooden table	1
			Sofa	-
			Coffee table	1
			Monitor screen	1
			Chairs	7
Dressing Room 4			Wooden table	1
			Sofa	-
			Coffee table	2
			Monitor screen	1
			Folding table	1
			Chairs	9



* Photo: Reference only; equipment layout may vary.

* Power Supply: 110V / 15A and 220V / 25A.

* Restriction: Maximum two (2) high-wattage items at once.

Rooms No.	Recommended Capacity	Facilities	Equipment	Qty.
Dressing Room 14	10~20	● Showers ● Toilets ● Floor mirror ● Make-up mirrors ● Lockers	Sofa	-
			Wooden table	1
			Coffee table	3
			Monitor screen	1
			Hanger rack	1
			Table	2
			Chairs	16



* Photo: Reference only; equipment layout may vary.

* Power Supply: 110V / 15A and 220V / 25A.

* Restriction: Maximum two (2) high-wattage items at once.

Room No.	Recommended Capacity	Facilities	Equipment	Qty
Dressing Room 15	10~20	● Showers ● Toilets ● Floor mirror ● Make-up mirrors	Sofa	-
			Wooden table	2
			Coffee table	2
			Monitor screen	1
			Hanger rack	2
			Table	1
			Folding table	1
			Chairs	14



* Photo: Reference only; equipment layout may vary.

* Power Supply: 110V / 15A and 220V / 25A.

* Restriction: Maximum two (2) high-wattage items at once.

Room No.	Recommended Capacity	Facilities	Equipment	Qty
Dressing Room 5	20~40	● Showers ● Toilet ● Floor mirror ● Changing room ● Make-up mirror ● Lockers	Hanger rack	1
			Wooden chairs	19
			Sofa	-
			Wooden table	4
			Coffee table	7
			Upright piano(U3) With bench	1
			Monitor screen	1
			Table	3
			Folding table (big)	6
			Folding table (small)	3
			Black chairs	28

GREEN ROOM



* Photo: Reference only; equipment layout may vary.

* Power Supply: 110V / 15A and 220V / 25A.

* Restriction: Maximum two (2) high-wattage items at once.

Room No.	Recommended Capacity	Facilities	Equipment	Qty.
Green Room 1	20~40	● Changing room x3 ● Floor mirror ● Washbasin ● Lockers	Hanger rack	3
			Wooden table	2
			Coffee table	3
			Sofa	-
			Upright piano(U3) With bench	1
			Monitor screen	1
			Black chair	34
			Folding table (big)	7

PRIMARY DRESSING ROOM (VIP)



* Available for separate rental. Please refer to the "*Guideline for Rental of Venue Equipment and Services*" for fees

* Photo: Reference only; equipment layout may vary.

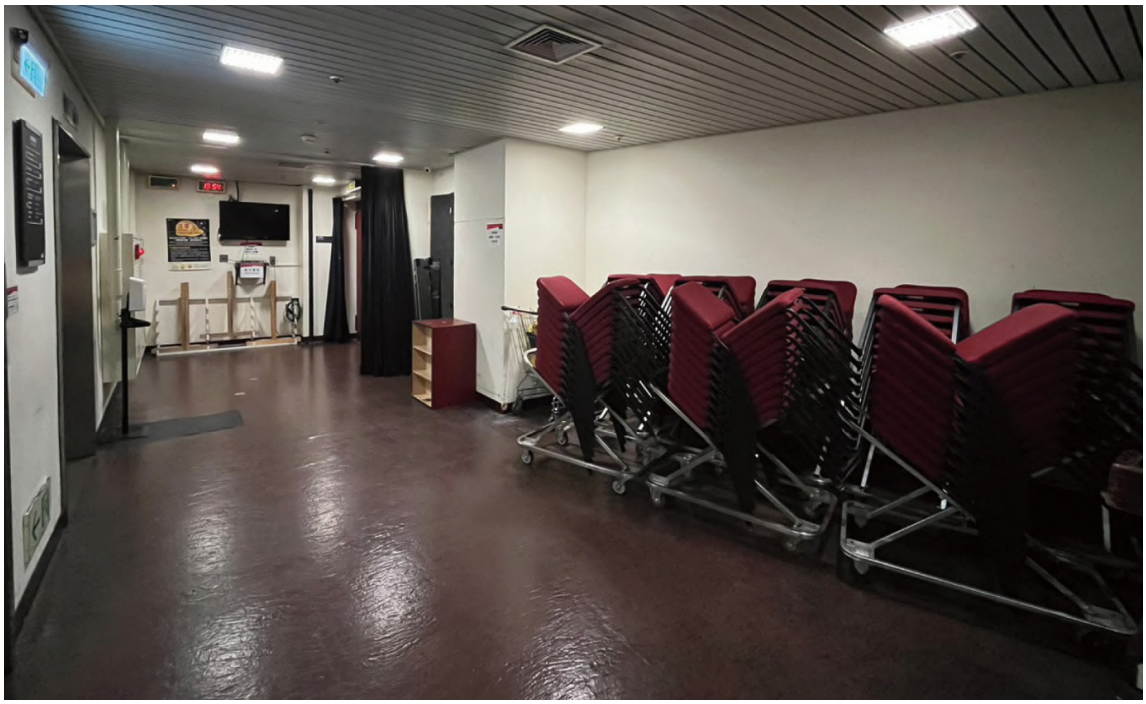
* Power Supply: 110V / 15A and 220V / 25A.

* Restriction: Maximum two (2) high-wattage items at once.

Room No.	Recommended Capacity	Facilities	Equipment	Qty.
Dressing Room 6	1~4	Floor mirror	Wooden table	1
			Sofa	1
			Coffee table	1
			Desk	1
			Hall table	1
			Wooden chair	2
			Upright piano (U3) With bench	1
			Monitor screen	1

WAITING AREA (2F)

SL WAITING AREA



Location	Dimensions	Recommended Capacity	Description
Stage Left (South Wing)	10.1m x 4.9m	15	● Stage Manager's Office ● Intercom ● Freight Elevator ● South Wing Elevator

SR WAITING AREA



Location	Dimensions	Recommended Capacity	Description
Stage Right (North Wing)	10.1m x 4.8m	15	• Intercom • Rigging and Stage Lift Control Panel • Conductor Lounge Room • North Wing Elevator

CROSSOVER AND WAITING AREA



Location	Dimensions	Recommended Capacity	Equipment	Qty.
Behind the stage	26.9m x 4.2m	30	Tables	7
			Chair with backrest	50
			Hanger Rack	4
			Floor Mirrors	3
			Monitor Screen	2

CONDUCTOR LOUNGE ROOM



Location	Dimensions	Recommended Capacity	Equipment	Qty.
Stage Right (North Wing)	4.7m x 2.09m	2	Sofa	1
			Wooden table	1
			Coffee table	2
			Monitor screen	1
			Floor mirror	1

II EQUIPMENT

BASIC EQUIPMENT

ORCHESTRA EQIPMENT AND ACCESSORIES

No.	Equipment	Qty.	Description	
1	Orchestra Chair (Standard)	114	Red	42cm x 42cm x 46cm (W x D x H)
		130	Dark Red	
2	Orchestra Chair (Short)	30	Dark Red 42cm x 42cm x 44cm (W x D x H)	
3	High Stool	8	Black / for Bass	
4		9	Gray / for Timpani	
5		4	Gray / for Bass	
6	Double-tier Music Stand (K&M)	115	Walnut Wooden Desktop (adjustable) 61.5~121cm (H)	
7	Conductor's Music Stand (K&M)	1	Black / Expandable	
8		1	Black / 85~137cm (H) Desktop: 80cm x 40cm (W x D)	
9	Music Stand (RAT JAZZ) (with bag)	5	Black / Aluminium 51cm x 32cm x 120cm (W x D x H)	
10	Endpin Stopper	15	Wooden / T-shaped	
11	Endpin Stopper (with adjustable strap)	15	Square	
		13	Cello-shaped	
12	Gap Cover	10	Large / 50cm x 20cm (W x D)	
		23	Small / 50cm x 10cm (W x D)	
13	Conductor Podium	2	Red / without railing / 101cm x 101cm x 25.5cm (W x D x H)	
		1	Gray / without railing / 101cm x 101cm x 25.5cm (W x D x H)	

MISCELLANEOUS

No.	Equipment	Qty.	Description
1	Tech Table	3	140cm x 90cm x 90~140cm (L x W x H)
2	Hard Hat	24	
3	Power Cable (10m)	5	
4	Power Cable (20m)	2	
5	Power Strip	9	
6	Power Cable Reel	2	
7	Scrap Pieces of Marley Dance Floor	few	

ADDITIONAL EQUIPMENT SHARED BETWEEN CH & RH

ORCHESTRA EQUIPMENT AND ACCESSORIES

No.	Equipment	Qty.	Description
1	Piano Bench	3	56~76cm x 33.5~42cm x 41~58cm (W x D x H)
2	K&M Music and Instrument Tray	5	Made in Germany / #122a Music and Instrument Tray; Wooden Tray: 39cm x 12cm
3	Music Stand	5	Collapsible Desk
4	Music Stand Light	70	ENO LED Lamps / R-99, LED Light ENO / EL-03 Power Supply: Battery
		90	DMX Controlled Transformers : 220V / 12A LED: 25W / 12V (Adapters, distribution & extension cables included)
5	Acrylic Sound Shield Stand	10	93cm x 7cm x 123.5cm (W x D x H)
6	Drum Mat	3	Brown 180cm x 120cm (W x D)

PLATFORM / PODIUM

No.	Equipment	Qty.	Description
1	Conductor Podium	1	Red / Square 121.5cm x 121.5cm x 100cm (W x D x H) Step: 80.3cm x 29.8cm (W x H)
2		1	Brown / Round 166.4cm x 120.7cm x 89.7cm (W x D x H)
3	Choral Riser (Platform)	39	Large 242cm × 52cm × 15.5cm (W x D x H)
4		56	Medium 164cm × 52cm × 15cm (W x D x H)
5		22	Medium (w/ Frame) 164cm × 52cm × 15cm (W x D x H)
6		35	Small / 78cm × 52cm × 15cm (W x D x H)
7		22	Small (w/ Frame) / 78cm × 52cm × 15cm (W x D x H)
8	Cello Podium for Soloists	1	Large / 180cm × 107cm × 20cm (W x D x H)
9		1	Small / 140cm × 97cm × 20cm (W x D x H)

TABLE & CHAIR

No.	Equipment	Qty.	Description
1	Large folding table	5	182.5cm x 76cm x 73.5cm (W x D x H)
2	Small folding table	10	122.5cm x 61cm x 56cm (W x D x H) Adjustable height to 86cm
3	Lectern	1	81cm x 50.5cm x 90cm (W x D x H)
		1	102cm x 66cm x 89.5cm (W x D x H)
4	Signing Table	2	180cm x 70cm x 74cm (W x D x H)

MISCELLANEOUS

No.	Equipment	Qty.	Description
1	Flat for quick-change booth	3	180cm x 120cm (W x D)
		3	220cm x 120cm (W x D)
2	Ironing board	2	
3	Clothes Steamer	2	110V
4	Hair dryer	2	PANASONIC EH-NE74-N135

CART & TROLLEY

No.	Equipment	Qty.	Description
1	Wagon	3	180cm x 120cm (W x D)
2	Double Handle Platform Trolley	3	75cm x 120cm (W x D)
3	Trolley with handle	1	Blue / 80cm x 50cm (W x D)

III INSTRUMENT RENTAL

* Please refer to the "*Guideline for Rental of Venue Equipment and Services*" for fees.

* The following instruments are shared with the Recital Hall.

PIANO

No.	Model	Description
1	Steinway & Sons D274	Length: 274cm / Made in Germany
2	Bösendorfer Grand Piano 280	Length: 280cm / Made in Austria
3	Fazioli Grand Piano 308 (interchangeable with 4 pedals)	Length: 308cm / Made in Italy
4	Fazioli Grand Piano 278 (interchangeable with 4 pedals)	Length: 278cm / Made in Italy
5	Yamaha Grand Piano CFX2022	Length: 275cm / Made in Japan
6	Yamaha Grand Piano C7 227	Length: 277cm / Made in Japan
7	Yamaha Upright U3	Height: 131cm / Made in Japan

* All pianos at the venue are maintained and tuned to a pitch of 442Hz.

OTHER INSTRUMENTS

No.	Instrument	Description
1	Celesta	John Morley, 49 Keys（Germany）
2	Harpsichord	1. Rainer Schütze, 61 Keys 2. Johannes Morley, 61 Keys （Netherlands） * maintained and tuned to 440Hz.
3	Harp	Horngacher, 46 Strings
4	Pipe Organ	Flentrop, 61 Stops, 4172 Pipes（Netherlands） Refer to next page for *Stop List* * Concert Hall only
5	Marimba	Saito MS-3800, 56 Keys
6	Vibraphone	Saito NO-300, 37 Keys, Motor included
7	Tubular bells	Premier NO-865, 22 Keys, Hammer included
8	Bass Drum	Majestic, 40"
9	Glockenspiel	Saito SG-100
10	Temple Block	Adams, 9 Keys, Stand included
11	Snare drum	Premier Project One 14"x 6.5" Premier Heavy Rock Nine 14"x9" Premier 2000 14"x5.5"
12	Crotales	LP, 13 Keys
13	Cymbal	Zildjian
14	China Cymbal	Zildjian China Boy 17" Zildjian China Boy 19"
15	Suspended Cymbal	Zildjian 14"、16"、18"、20"、22"、24"

PIPE ORGAN STOPS LIST

Type	#.	Stop Name	Length (foot)
PEDAL ORGAN	1	PRESTAN	16'
	2	SUBBAS	16'
	3	QUINT	10 2/3'
	4	OCTAAF	8'
	5	FLUIT	8'
	6	QUINT	5 1/3'
	7	OCTAAF	4'
	8	MIXTUUR	6st
	9	FAGOT	16'
	10	BAZUIN	16'
	11	TROMPET	8'
	12	SCHALMEI	4'
	13	ZINK	2'
GREAT ORGAN	14	PRESTANT	16'
	15	OCTAAF	8'
	16	OPENFLUIT	8'
	17	BOURDON	8'
	18	QUINT	5 1/3'
	19	OCTAAF	4'
	20	OPENFLUIT	4'
	21	TERTS	3 1/5'
	22	QUINT	2 2/3'
	23	OCTAAF	2'
	24	MIXTUUR	6st
	25	SHERP	5st
	26	CORNET	5st
	27	TROMPET	16'
	28	TROMPET	8'
	29	TROMPET	4'

Type	#.	Stop Name	Length (foot)
POSITIVE ORGAN	30	GEDEKT	8'
	31	QUINTADEEN	8'
	32	VIOLA	8'
	33	PRESTANT	4'
	34	ROERFLUIT	4'
	35	NASARD	2 2/3'
	36	OCTAAF	2'
	37	FLUIT	2'
	38	TERTS	1 3/5'
	39	QUINT	1 1/3'
	40	SIFFLET	1'
	41	CYMBEL	6st
	42	SCHALMEI	8'
	43	VOX HUMANA	8'
	44	TREMULANT	-
SWELL ORGAN	45	BOURDON	16'
	46	PRESTANT	8'
	47	ROERFLUIT	8'
	48	GEMSHOORN	8'
	49	OCTAAF	4'
	50	FLUIT	4'
	51	QUINTFLUIT	2 2/3'
	52	OCTAAF	2'
	53	WOUDFLUIT	2'
	54	TERTS	1 3/5'
	55	FLAGEOLET	1'
	56	MIXTUUR	5st
	57	SEXQUIALTERII	2st
	58	FAGOT	16

Type	#.	Stop Name	Length (foot)
SWELL ORGAN	59	TROMPET	8'
	60	KROMHOORN	8'
	61	TREMULANT	-
COUPLER	62	PEDAL →GREAT	-
	63	PEDAL →POSITIVE	-
	64	PEDAL → SWEEL	-
	65	GREAT → POSITIVE	-
	66	GREAT →SWEEL	-
	67	POSITIVE →SWEEL	-

* The combination action system requires the production team to provide their own stop assistant (registrant) to handle stop changes.