

# **PLAYHOUSE**

**Technical Information** 

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Last updated: 2022/1/28

# **0** General Information

### 0-1 National Kaohsiung Center for the Arts (WeiWuYing)

CENTER FOR THE ARTS, ARTS FOR THE PEOPLE, National Kaohsiung Center for the Arts will become one of the important theatre complexes of the international art field. It include four performance blocks, the 2,236 seat Opera House, the 1981 seat Concert Hall, the 1210 seat Play House and the 434 seat Recital Hall.

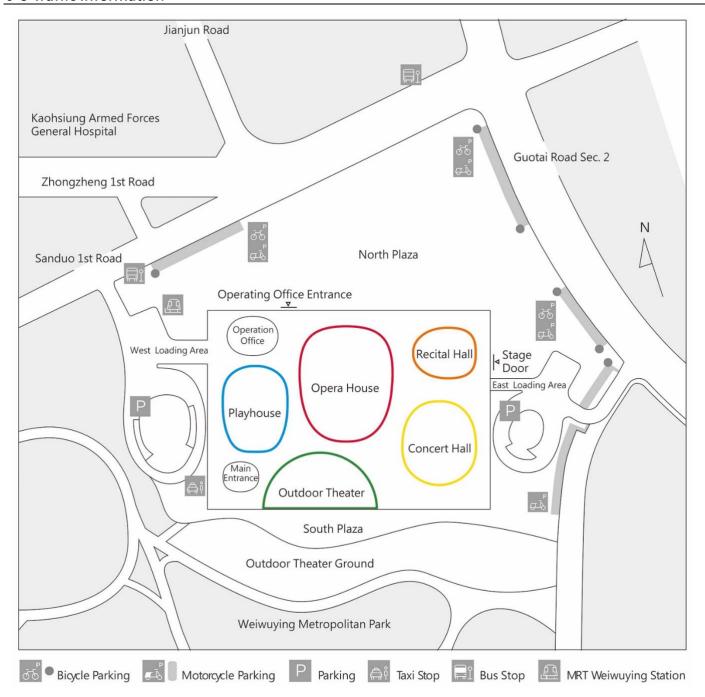


# 0-2 PlayHouse

The Playhouse is a space mainly used for various drama and dance performances. The stage can be configured into proscenium or thrust stage. The thrust stage design shortens the distance between the audience and performers, so that the audience can perceive the emotions of the performers at close proximity.



### 0-3 Traffic Information



### 0-4 Contact Information

# National Kaohsiung Center for the Arts (Weiwuying)

No.1, Sanduo 1st Rd., Fengshan Dist., Kaohsiung City 83075, Taiwan

### +886 7-262-6666

service@npac-weiwuying.org

### 0-5 Stage door

Ground floor access is from the north and east side of building. Enter from Operating office entrance on Sanduo 1st Road or Stage Door on Guotai Road

Basement Level 1 access is from Sanduo 1st Road entrance for Opera House and Playhouse, Guotai Road entrance for Concert Hall and Recital Hall.

Working pass will be required for entry.

### 0-6 Auditorium / Seats

2021/05/13 Seating Capacity: 1209 seats House Seats: 876 seats (1F/167 seats > 2F/502 seats > 3F/207 seats) Mheelchairs Seats: 13 seats Companion Seats: 13 seats Orchestra Pit Seats: 164 seats Elevation Platform No.1 (Row 1, NO.1~23 \ Row 2, NO.1~24): 47 seats Elevation Platform No.2 (Row 3, NO.1~23): 23 seats Elevation Platform No.3 (Row 4, NO.1~22): 22 seats Elevation Platform No.4 (Row 5, NO.1~21): 21 seats Elevation Platform No.5 (Row 6, NO.1~18): 18 seats Elevation Platform No.6 (Row 7, NO.1~17): 17 seats Elevation Platform No.7 (Row 8, NO.1~16): 16 seats Chinese Orchestra Pit Seats (Side Auditorium Platform): 48 seats SAP(Row 9, NO.22~40 > Row 10, NO.24~44 > Row 11, NO.26~48 > Row 12, NO.28~56) : 48 seats Control Area Seats: 16 seats Reserved Seats for Tech Table: 4 seats Reserved Seats for FOH: 7 seats Obstructed View Seats: 16 seats (Non-ticketing) Proscenium Stage Obstructed View Seats: 172 seats Partial View Seats: 52 seats ( Tickets can be sold, and "Partial View" must be marked ) Reserved Seats Stage 2F

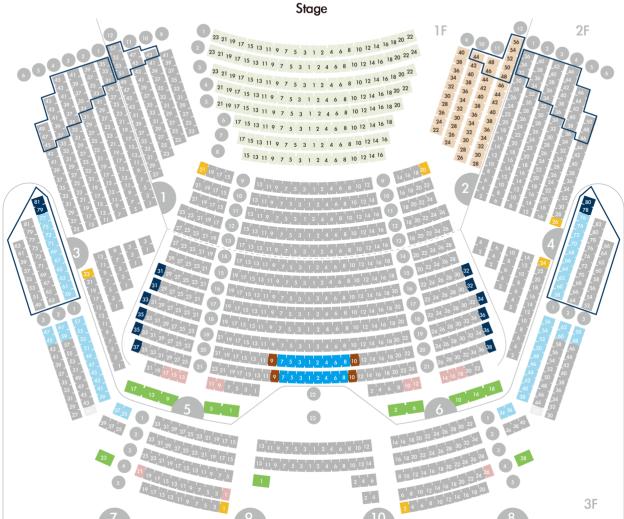


Figure 0.1 - Seats plan

### Set Up Equipment Recommended Seat

| Set Up Equipment Seat     | Reserved Seat                   | Notes                |
|---------------------------|---------------------------------|----------------------|
| 2nd Floor 14 row Seat 27  | 1st Floor 13 row Seat 25 · 27   | For Photo Shooting & |
|                           | 2nd Floor 14 row Seat 23 · 25   | Video Shooting       |
|                           | 2nd Floor 15 row Seat 27 · 29   |                      |
| 2nd Floor 14 row Seat 28  | 1st Floor 13 row Seat 24 · 26   | For Photo Shooting & |
|                           | 2nd Floor 14 row Seat 24 · 26   | Video Shooting       |
|                           | 2nd Floor 15 row Seat 26 · 28   |                      |
| 2nd Floor 20 row Seat 1   | 2nd Floor 19 row Seat 1 · 2     | For Photo Shooting & |
|                           | 2nd Floor 20 row Seat 2 · 3     | Video Shooting       |
|                           | 2nd Floor 21 row Seat 1 · 2 · 3 | _                    |
| Set Up Control Area       | Reserved Seat                   | Notes                |
| 2nd Floor 20 row Seat 1~8 | 2nd Floor 20 row Seat 9 \ 10    |                      |
| 2nd Floor 21 row Seat 1~8 | 2nd Floor 21 row Seat 9 \ 10    |                      |
|                           |                                 |                      |

# 戲劇院一樓化妝室位置圖

Playhouse 1F Dressing Room Map

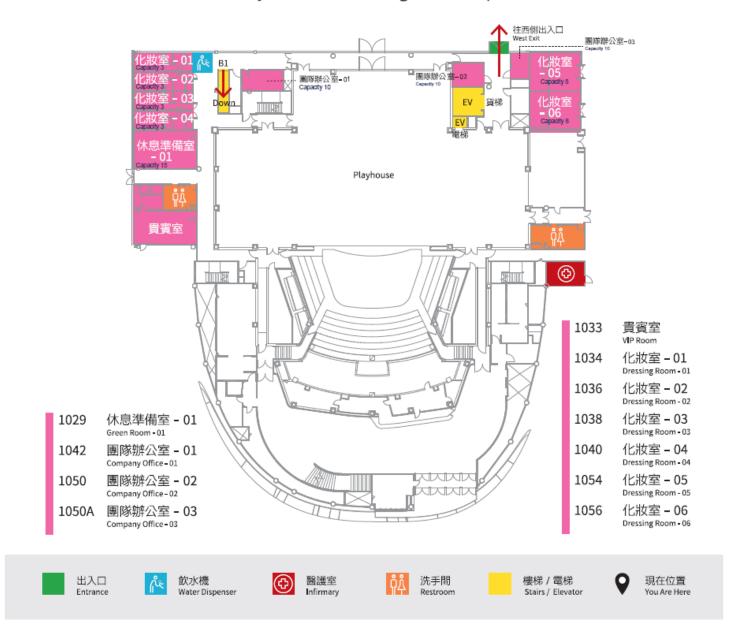


Figure 0.2- Playhouse 1F Plan

# 戲劇院地下一樓化妝室位置圖

Playhouse B1F Dressing Room Map







飲水機 Water Dispenser



醫護室 Infirmary



洗手間



樓梯 / 電梯 Stairs / Elevator



現在位置 You Are Here

Figure 0.3- Playhouse B1 Plan

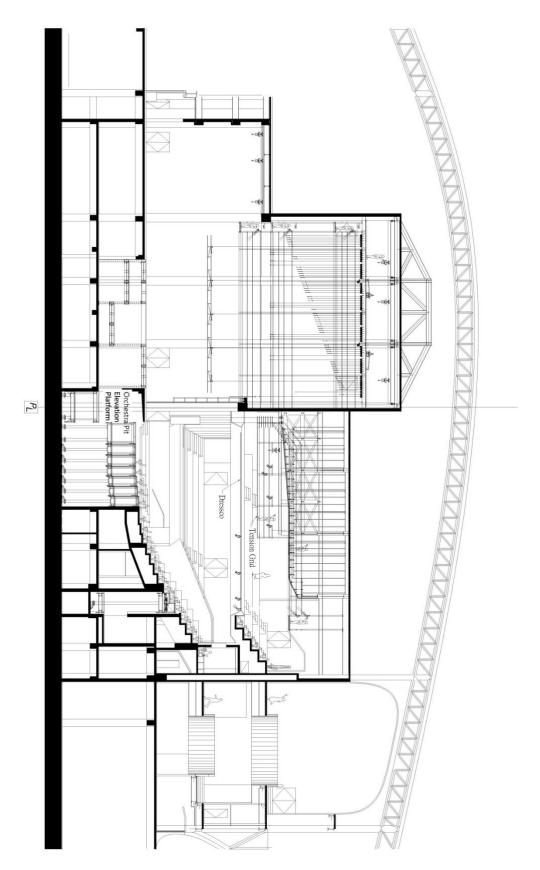


Figure 0.4- Playhouse Section

# 1 Stage

### 1-1 Stage

#### 1-1-1 Floor

Black painted composite wood stage floor, The production scenery can secure to the deck by screws but no nails in part of stage area. Please contact the technical service for more detail.

The trap area is made of Okoume hardwood plywood, the surface is prohibited from nailing and locking.

The main stage, side stage ,rear stage ,pit elevation platform, the auditorium elevation platform is made of Pitch pine, the stage surface can be locked with screws, and can not be drilled.

#### 1-1-2 Tormentor

Proscenium size: 18m (width) x 8m (height) Proscenium opening: 12m to 18m (width)

Apron to PL: 1.8m

### 1-1-3 Stage Dimensions

Main stage: 27.2m (width) x 16.2m (depth) x 20.5m (height) (from stage surface to under above grid beams) Rear stage: 22.3m (width) x 10m (depth) x 11m (height)(8.5m height from stage surface to under gallery) Side stage: 10.2m (width) x 16.2m (depth) x 11m (height) (8.5m height from stage surface to under gallery)

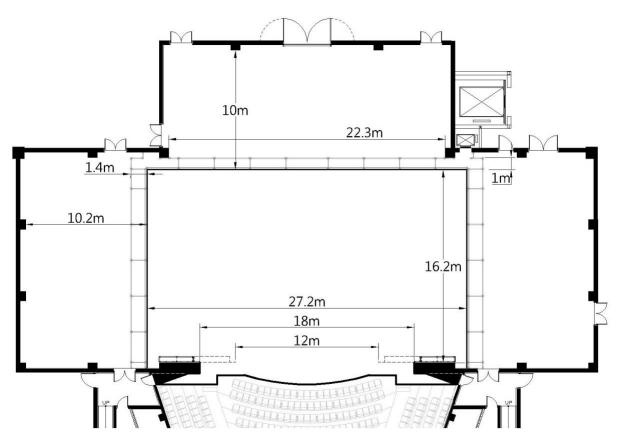


Figure 1.1 - Stage Plan

# 1-2 Elevation Platform / Stage Traps

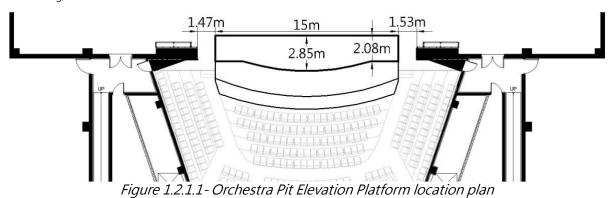
### 1-2-1 Orchestra Pit

Orchestra pit may combined with elevation platform No.1 and 2, as the extend.

Amount: 1 row, arc shape platform Size: 15m (width) x 2.85m (depth), 38.5 m<sup>2</sup> Elevation: -4.5m to -2.25m

Capacity

Dead load: 750kg/ m<sup>2</sup> Live load: 500kg/ m<sup>2</sup>



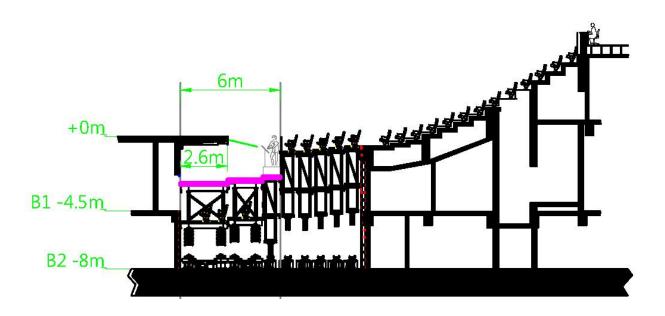


Figure 1.2.1.2- Orchestra Pit Elevation Platform Section

#### 1-2-2 Elevation Platform

Elevation Platforms can be adjust for different function, as auditorium, thrust stage and extend orchestra pit (No.1 > 2) by need.

No.1, 15 m (width) x 2.1m (depth), 31.2 m² No.2, 15m (width) x 1.05m (depth), 16 m² No.3, 14.6m (width) x 1.05m (depth), 15 m² No. 4, 13.8m (width) x 0.95m (depth), 12.7 m² No. 5, 13m (width) x 0.95m (depth), 11.9 m² No. 6, 12.3m (width) x 0.95m (depth), 11.2 m² No. 7, 11.6m (width) x 1m (depth), 9.9 m²

#### Elevation

No.1: -4.5m to 1.65m No.2~ No.7: -2.25m to 1.65m

#### Capacity

Dead load: 750kg/ m² Live load: 500kg/ m²

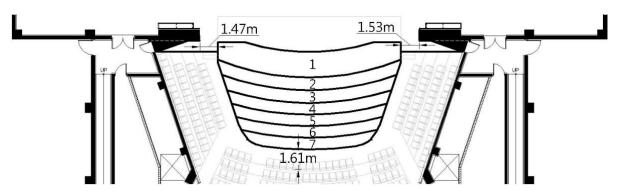


Figure 1.2.2- Elevation Platform location plan

### 1-2-3 Chinese Orchestra Pit (Side Auditorium Platform)

SAP-1: 8m (width) x 0.95m (depth), 6.9 m<sup>2</sup> SAP-2: 9.25m (width) x 0.95m (depth), 8 m<sup>2</sup> SAP-3: 10.6m (width) x 1m (depth), 9.6 m<sup>2</sup>

#### Elevation

SAP-1: -0.6m to 0.3 m SAP-2/ SAP-3 :-0.6m to ±0.0m

### Capacity:

Dead load: 750kg/ m<sup>2</sup> Live load: 500kg/ m<sup>2</sup>

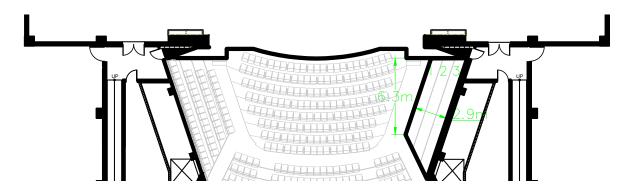


Figure 1.2.3- Chinese Orchestra Pit (Side Auditorium Platform) location plan

### 1-2-4 Auditorium Control Area

16 Seats, No.1~8, Row 17 ~18

For large equipment, please enter the platform from B1 floor.

Size: 4.7m (width) x 2.1m (depth), 9.87 m<sup>2</sup>

Elevation: -4m (B1) to 2.8m

Capacity

Dead load: 500kg/ m<sup>2</sup> Live load: 250kg/ m<sup>2</sup>

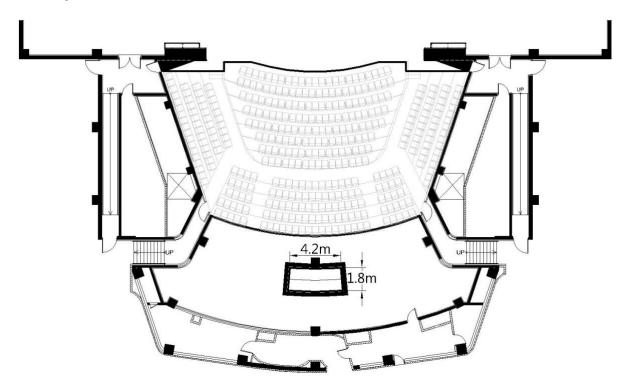


Figure 1.2.4- Auditorium Control Area location plan

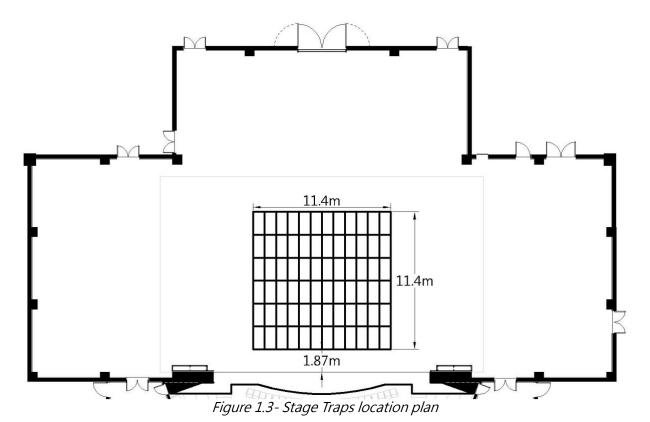
# 1-3 Traps

72 pieces individual trap door

Size:  $11.4 \text{m} \times 11.4 \text{m} / 0.95 \text{m}$  (width) x 1.9 m (depth) each

Capacity: 750kg/ m², average

Distance to PL: 1.87m



## 1-4 Tension Grid

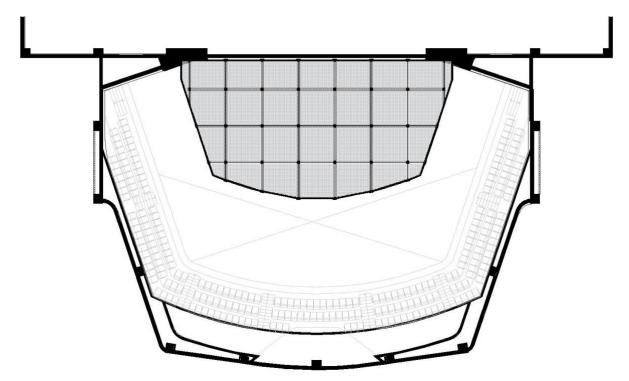


Figure 1.4- Tension Grid location plan

### 1-5 Fly

### 1-5-1 Controller

Waagner Biro CAT120 \ CAT190 \ CAT192

#### 1-5-2 Main Stage Fly bars

22m (length), 4.8cm (diameter), +0.5cm to 19m, 67 sets

Safe load 0.5 m/s : 750kg 1.0 m/s : 500kg 2.0 m/s : 350kg

#### 1-5-3 House Curtain

House Curtain, guillotine 24m (length),1.1m from PL,Speed: 0.24~1.8M/S

Safe load 0.5 m/s : 750kg 1.0 m/s : 500kg 2.0 m/s : 350kg

#### 1-5-4 Side Fly Bar (2 on both side)

Side Fly Bar 1, 14.4m, 11.8m from CL, +0.05cm to 19m Side Fly Bar 2 / 3, 14.9m, 12.2 / 12.6 from CL, +0.05cm to 19m

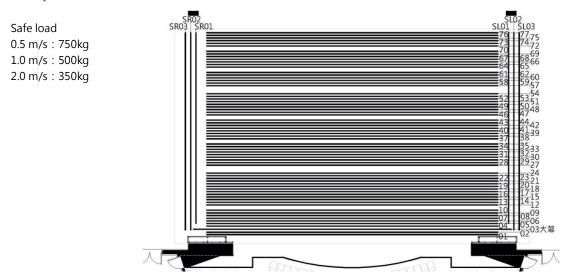


Figure 1.5.1- Fly Bars Plan

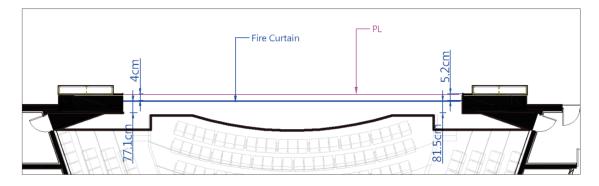


Figure 1.5.2- Fire Curtain

\* Area underneath the fire curtain must stay clear to allow the curtain to fall into position. Without advanced permission, to set any scenic pieces in this area is strictly prohibited. Only when permitted by the house, the units that could be removed rapidly or damaged can be on the deck. If there is circuit that must go through the area, we accept flat tapping down the cables, and unplugging the instruments before leaving.

### 1-6 Hoisting

### 1-6-1 Point Hoist (load 250kg)

8 sets, winch line length 31.2m, lifting speed: 0 to 1.8m/s

Operation range: available for using on grid area. Boundless except for Fly Bars operation space.

### 1-6-2 Chain Hoist with Trolley (load 1000kg, fixed speed: 9.6m/min)

Grid: 12 sets, operation length 28m (Boundless except for Fly Bars operation space)

Side stage: 6 sets, operation length 12m Rear stage: 12 sets, operation length 12m Tension Grid: 5 sets, operation length 21m

### 1-6-3 Hoist for Subtitle Display (load 500kg)

2 sets, operation length 15m, lifting speed: 0 to 0.5m/s

Load

1.0 M/S<sup>2</sup>: 500 公斤 2.0 M/S<sup>2</sup>: 350 公斤

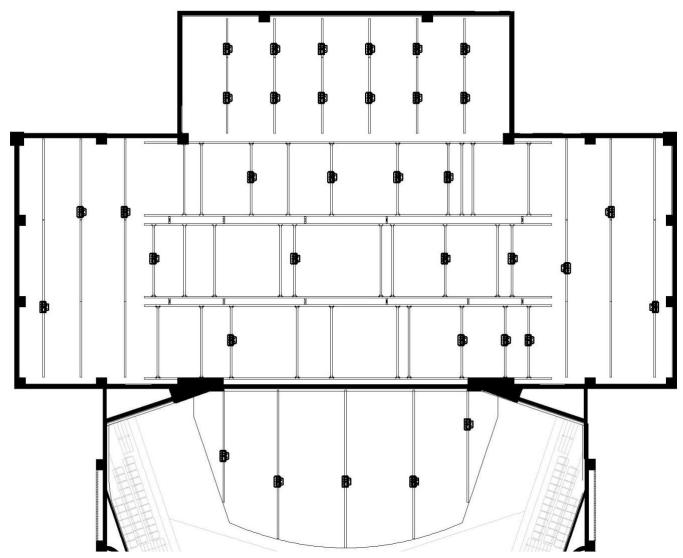


Figure 1.6- Chain Hoisting plan

# 1-7 Curtain and Others

| Item<br>Number | Product<br>Name                                      | Quantity | Notes (unit: meter)  | Paid Item  |
|----------------|--|----------|--|--|
| 01             | House<br>Curtain                                     | 1 pair   | 10 x 12.9<br>ShowTex –Paris CS (Black color)   |  |
| 02             | Border   | 8 pc     | 3.5 × 22<br>ShowTex –Bellini   |  |
| 03             | Leg  | 10 pc    | 9 × 2.7<br>ShowTex –Bellini  |  |
| 04             | Leg  | 22 pc    | 9 × 4<br>ShowTex –Bellini  |  |
| 05             | Tab  | 8 pc     | 8.8 × 3<br>ShowTex –Bellini  |  |
| 06             | Cyclorama<br>(Rear<br>Projection<br>Screen)<br>Grey  | 1 pc     | 9 × 22<br>ShowTex – Retro Screen Grey plus   | * The first piece is rent-free. The second piece will be charged. Please refer to the rate tables of National Kaohsiung Center |
| 07             | Cyclorama<br>(Rear<br>Projection<br>Screen)<br>Black | 1 pc     | 9× 21.5<br>ShowTex – Retro Screen Black  | for the Arts.  |
| 08             | Black Scrim<br>6pt                                   | 1 pc     | 10 × 22<br>ShowTex - Sharks Tooth Scrim 6 point  | *  |
| 09             | Black Scrim<br>8pt                                   | 1 pc     | 10 × 22<br>ShowTex - Sharks Tooth Scrim 8 point  | *  |
| 10             | White Scrim<br>6pt                                   | 1 pc     | 10 × 22<br>ShowTex - Sharks Tooth Scrim 6 point  | *  |
| 11             | Cotton<br>Cyclorama                                  | 1 pc     | 10 × 22<br>ShowTex –Cyclo 270  |  |
| 12             | Black  | 1 pc     | 9 × 22<br>ShowTex –Bellini   |  |
|                | Backdrop   | 2 pc     | 10 × 9<br>ShowTex –Bellini   |  |
| 13             | Hydraulic Lift<br>Platform                           | 1        | 1.Shared with Playhouse 2.1.8M(length) x 0.9M (width) \ Elevation: 1M-1.5M   | *  |
| 14             | Wooden<br>Sprung Floor<br>2m*1m                      | 152 pc   | 1.Shared with Opera House 2.Area (installation area adjustable) 20m x 16m, built-up, portable with latch, wooden plywood with high density |  |
| 15             | Wooden Sprung Floor 1m*1m                            | 16 pc    | mitigation block, 3.7 cm (depth),point load 1000kg, average shock-absorbing ability 65 %   |  |
| 16             | Black Dance<br>Floor<br>For Wooden<br>Floor only     | 8 rolls  | 1.Shared with Opera House<br>2.20m (length) x 2m (width) x 2mm (depth)   |  |
| 17             | Black and<br>Gray Dance<br>Floor                     | 20rolls  | 1.Shared with Opera House<br>2.20m (length) x 2m (width) x 1.7mm (depth)   |  |
| 18             | Black and<br>White Dance<br>Floor                    | 20 rolls | 1.Shared with Opera House<br>2.24m (length) x 1m (width) x 1.8mm (depth)   |  |
| 19             | Black and<br>Gray Dance<br>Floor                     | 20 rolls | 1.Shared with Opera House<br>2.22m (length) x 0.95m (width) x 1.8mm (depth)  |  |

# 1-8 Fly Bar List

| Bar Number     | Distance to<br>PL | Content                  | Length<br>( cm ) | Bar<br>Number | Distance to PL | Content | Length<br>( cm ) |
|----------------|-------------------|--------------------------|------------------|---------------|----------------|---------|------------------|
|                |                   |                          | PL               |               |                |         |                  |
| FLYBARS_STAGE. | / High limitat    | ion: 19m low limitatio   | n : 1.25m        |               |                |         |                  |
| FB01           | 67                |                          | 2200             | FB40          | 853            |         | 2200             |
| FB02           | 87                |                          | 2200             | FB41          | 872            |         | 2200             |
| FB03           | 110               | HOUSE_CURTAIN Guillotine | 2400             | FB42          | 890            |         | 2200             |
| FB04           | 133               |                          | 2200             | FB43          | 915            |         | 2200             |
| FB05           | 152               |                          | 2200             | FB44          | 931            |         | 2200             |
| FB06           | 171               |                          | 2200             | FB45          |                |         | 2200             |
| FB07           | 190               |                          | 2200             | FB46          | 970            |         | 2200             |
| FB08           | 212               |                          | 2200             | FB47          | 991            |         | 2200             |
| FB09           | 232               |                          | 2200             | FB48          | 1013           |         | 2200             |
| FB10           | 251               |                          | 2200             | FB49          | 1031           |         | 2200             |
| FB11           |                   |                          | 2200             | FB50          | 1051           |         | 2200             |
| FB12           | 292               |                          | 2200             | FB51          | 1069           |         | 2200             |
| FB13           | 312               |                          | 2200             | FB52          | 1092           |         | 2200             |
| FB14           | 330               |                          | 2200             | FB53          | 1112           |         | 2200             |
| FB15           | 353               |                          | 2200             | FB54          | 1130           |         | 2200             |
| FB16           | 373               |                          | 2200             | FB55          |                |         | 2200             |
| FB17           | 392               |                          | 2200             | FB56          |                |         | 2200             |
| FB18           | 410               |                          | 2200             | FB57          | 1190           |         | 2200             |
| FB19           | 433               |                          | 2200             | FB58          | 1211           |         | 2200             |
| FB20           | 452               |                          | 2200             | FB59          | 1230           |         | 2200             |
| FB21           | 471               |                          | 2200             | FB60          | 1250           |         | 2200             |
| FB22           | 492               |                          | 2200             | FB61          | 1270           |         | 2200             |
| FB23           | 512               |                          | 2200             | FB62          | 1290           |         | 2200             |
| FB24           | 529               |                          | 2200             | FB63          |                |         | 2200             |
| FB25           |                   |                          | 2200             | FB64          | 1330           |         | 2200             |
| FB26           |                   |                          | 2200             | FB65          | 1350           |         | 2200             |
| FB27           | 593               |                          | 2200             | FB66          | 1370           |         | 2200             |
| FB28           | 612               |                          | 2200             | FB67          | 1390           |         | 2200             |
| FB29           | 633               |                          | 2200             | FB68          | 1412           |         | 2200             |
| FB30           | 651               |                          | 2200             | FB69          | 1431           |         | 2200             |
| FB31           | 673               |                          | 2200             | FB70          | 1453           |         | 2200             |
| FB32           | 692               |                          | 2200             | FB71          |                |         | 2200             |
| FB33           | 711               |                          | 2200             | FB72          | 1493           |         | 2200             |
| FB34           | 733               |                          | 2200             | FB73          | 1512           |         | 2200             |
| FB35           | 751               |                          | 2200             | FB74          | 1532           |         | 2200             |
| FB36           |                   |                          | 2200             | FB75          | 1553           |         | 2200             |
| FB37           | 792               |                          | 2200             | FB76          | 1571           |         | 2200             |

| п |   |   |  |
|---|---|---|--|
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|   | - | / |  |

| Tay House - Na | tional Raonsiang  | Celifer for the Arts ( Melan | u i ii ig ) |        |      | 1 /  |
|----------------|-------------------|------------------------------|-------------|--------|------|------|
| FB38           | 812               |                              | 2200        | FB77   | 1591 | 2200 |
| FB39           | 833               |                              | 2200        |        |      |      |
| FLYBARS_SIDE   | / High limitation | : 19m low limitation : 1.    | .25m        |        |      |      |
| SFB-1L         | 1180              |                              | 1440        | SFB-1R | 1180 | 1440 |
| SFB-2L         | 1219              |                              | 1490        | SFB-2R | 1219 | 1490 |
| SFB-3L         | 1259              |                              | 1490        | SFB-3R | 1259 | 1490 |
| HOIST FOR SUE  | BTITLE            |                              |             |        |      |      |
| HS-01          |                   |                              |             | HS-02  |      |      |
| ORCHESTRA &    | AUDITORIUM PI     | ATFORM                       |             |        |      |      |
| ОР             |                   |                              |             | AP04   |      |      |
| AP01           |                   |                              |             | AP05   |      |      |
| AP02           |                   |                              |             | AP06   |      |      |
| AP03           |                   |                              |             | AP07   |      |      |
| SOUND MIXER    | & SIDE AUDITO     | RIUM PLATFORM                |             |        |      |      |
| MIX            |                   |                              |             | SAP02  |      |      |
| SAP01          |                   |                              |             | SAP03  | -    |      |

# 2 Lighting

# 2–1 Lighting instrument

Important : All lighting data is on network system.

| ltem  | Position      | Model                                      | Specification                  | Quantity | Frame Size  | Note   | Paid Item |
|---|---------------|--|--------------------------------|----------|-------------|--|-----------|
| Limbtim m Companie                                | Control Booth | CoopedNAA 2 Limbs                          |                                | 1        |             |  |           |
| Lighting Console                                  | Auditorium    | GrandMA 2 Light                            |                                | 1        |             |  |           |
| Dimmer System                                     |               | State Automation Solution                  | 220V<br>3kW/Circuit            | 536ch    |             |  |           |
| Dimmer System                                     |               | State Automation Solution                  | 220V<br>5kW/Circuit            | 30ch     |             |  |           |
|   | Catwalk       | Strand Leko Lite 10°                       | 220V/800W                      | 14       | 30.5x30.5cm |  |           |
|   | Catwaik       | Selecon SPX 14°                            | 2200/80000                     | 18       | 15.8x15.8cm |  |           |
|   |               | Strand Leko Lite 10°                       |                                | 5        | 30.5x30.5cm |  |           |
|   | Tension       | Selecon SPX 14°                            | 220V/800W                      | 10       |             |  |           |
| Ellipsoidal                                       | lension       | Selecon SPX 19°                            | 2200/80000                     | 30       | 15.8x15.8cm |  |           |
| Reflector   |               | Selecon SPX 15°-35°                        |                                | 10       |             |  |           |
|   |               | Selecon SPX 14°                            |                                | 6        |             |  |           |
| Spotlight   |               | Selecon SPX 19°                            | 220V/800W                      | 40       |             |  |           |
|   |               | Selecon SPX 26°                            |                                | 70       | 15.8x15.8cm |  |           |
|   |               | Selecon SPX 36°                            |                                | 48       |             |  |           |
|   |               | Selecon SPX 15°-35°                        |                                | 15       |             |  |           |
|   |               | ETC Souce Four 50°                         | 220V/750W                      | 20       | 15.9x15.9cm |  |           |
| 2KW Fresnel<br>Spotlight 8"                       |               | Selecon Arena Theatre<br>8" Fresnel 7°-60° | 220V/2kW                       | 70       | 24.5x24.5cm |  |           |
| Parabolic<br>Aluminized<br>Reflector<br>Spotlight | Side Stage    | PAR 64-Kupo PL-64LB                        | 220V/1kW                       | 96       | 25.4x25.4cm | Lamp:<br>W x 16 \<br>M x 32 \<br>N x 32 \<br>VN x 16           |           |
| CYC Light   |               | Selecon Aurora<br>4-Cell Linear CYC        | 2201//1111                     | 12       | 20 5 21 5   |  |           |
| Ground Row  |               | Selecon Aurora<br>3-Cell Linear GroundRow  | 220V/1kW                       | 12       | 30.5x31.5cm |  |           |
| Long Throw<br>Follow Spot                         | Follow Room   | Lycian M2 Model 2040 1.2                   | 220V/1.2kW                     | 2        |             |  |           |
| Strip Light                                       |               | Selecon PL TR2 RGB 18<br>Striplights       | 110-220V/<br>2.5A-1.3A<br>280W | 8        |             | If Strip<br>manual<br>needed,<br>please<br>contact<br>TC Team. | *         |
| HMI Fresnel<br>Spotlight 12"                      | Storage       | ARRI D40 HMI Fresnel                       | 220V/4kW                       | 4        |             | No<br>Douser   | *         |
| Fog Machine                                       |               | Antari F-5D                                | 220V/3.6A<br>810W              | 2        |             |  | *         |
| Haze Machine                                      |               | Antari HZ-500                              | 220V/2A<br>500W                | 2        |             |  | *         |
| Haze Machine  Effect Fan                          | -             | Antari AF-4                                | 220V/0.48A                     | 4        |             |  | *         |

Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

# 2–2 Accessories

| Item                        | Specification   | Size                                 | Quantity |
|-----------------------------|---|--------------------------------------|----------|
| Barn Door                   | 2kW Fresnel   |                                      | 30       |
| Iris                        | For Selecon Ellipsoidal Reflector Spotlight   |                                      | 50       |
|                             | For Selecon Ellipsoidal Reflector Spotlight   | B Size                               | 70       |
| Gobo Holder                 | For ETC Source Four Ellipsoidal Reflector Spotlight   | A Size                               | 20       |
|                             | 8CIR CEE Form Female Plug   |                                      |          |
| Power Distribution Box      |   |                                      | 40       |
|                             |   | 5m                                   | 24       |
| Multi-Cable                 | 16pin Multi Cable   | 10m                                  | 20       |
|                             | Harting Connector   | 15m                                  | 10       |
|                             |   | 1.5m                                 | 40       |
|                             |   | 2m                                   | 60       |
|                             |   | 3m                                   | 30       |
| Ex-Cable                    | CEE16A  | 5m                                   | 45       |
| LA CADIC                    | CLLION  | 10m                                  | 40       |
|                             |   | 15m                                  | 40       |
|                             |   |                                      |          |
|                             | CETACA D. III.I.C. I  | 20m                                  | 20       |
| Y-Cord                      | CEE16A Parallel Cord  |                                      | 80       |
| Adapter Cable               | CEE 16A(M) To Stage-Pin(F)  |                                      | 50       |
| MA2 2 Port Node             | Offi-2port-2 192. 168. 0. 32  DATA DATA DATA POWER  APPROXIMATION POWER  OFFI  OFFI |                                      | 5        |
| Boom Base                   | Boom Base & Pipe  | Boom Base:45cm(W)x60cm(L) Pipe:300cm | 12       |
| Portable Sidelight<br>Tower | 74cm<br>61cm  | 74cm(W)x74cm(L)x280cm(H)             | 10       |

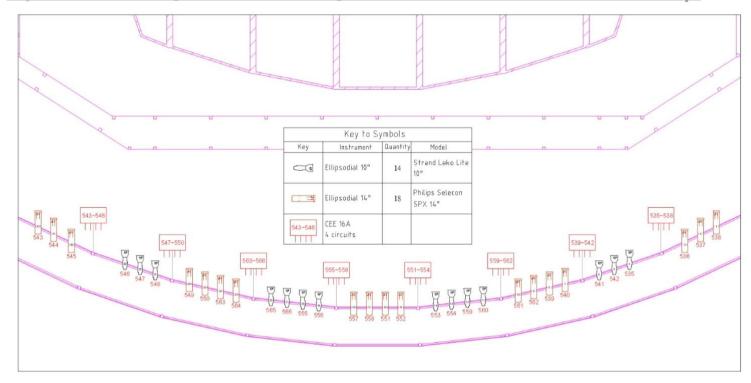


Figure 2.1 - FOH Lighting Plot

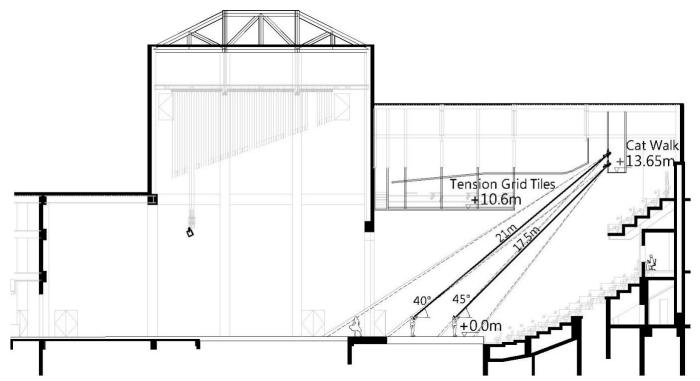


Figure 2.2- Lighting Section

2-3-1 Stage area

| 2-3-1 Stage area                 |                        |       |                     |
|----------------------------------|------------------------|-------|---------------------|
| Area and Position                | Dimmer Circuit No.     | Load  | Network Circuit No. |
| Trap Room                        | 001 ~ 004              | 3kW   | LN01 ~ 02           |
| пар коопі                        | 005 ~ 008              | SKVV  | LIVO1 02            |
| Down Stage/L                     | 009 ~ 016              | 3kW   | LN05 ~ 06           |
|                                  | 017 ~ 024              | 3877  | 21403 00            |
| Down Stage/R                     | 025 ~ 032              |       | LN07 ~ 08           |
|                                  | 033 ~ 040              | 3kW   |                     |
| Off Stage/L                      | 049 ~ 056              |       | LN17 ~ 18           |
| Off Stage/R                      | 065 ~ 072              |       | LN19 ~ 20           |
| Rear Stage/L                     | 073 ~ 080              |       |                     |
| Up Stage/L                       | 041 ~ 048              | 3kW   |                     |
| <u> </u>                         | 081 ~ 088              |       | LN21 ~ 22           |
| Rear Stage/R                     | 089 ~ 096              |       |                     |
| Up Stage /R                      | 057 ~ 064              | 3kW   |                     |
|                                  | 097 ~ 104              |       | LN23 ~ 24           |
| Rear Stage                       | 105 ~ 112              | 3kW   |                     |
|                                  | 113 ~120               |       | LN25 ~ 26           |
|                                  | 121 ~ 124              |       |                     |
| Adjustable Proscenium Stage/L    | 125 ~ 128              | 3kW   |                     |
|                                  | 129 ~ 132              |       |                     |
|                                  | 133 ~ 136              |       |                     |
|                                  | 137 ~ 140              |       |                     |
| Adjustable Proscenium Stage/R    | 141 ~ 144              | 3kW   |                     |
|                                  | 145 ~ 148              |       |                     |
|                                  | 149 ~ 152<br>153 ~ 160 |       |                     |
| Abovo Loft Stago Poor Cable Pool | 161 ~ 168              | 3kW   |                     |
| Above Left Stage Rear Cable Reel | 169 ~ 176              | SKVV  |                     |
|                                  | 177 ~ 180              |       |                     |
|                                  | 181 ~ 184              |       | LN55 ~ 56           |
| Gallery S.L.                     | 185 ~ 188              | 3kW   | LIN55 ~ 50          |
|                                  | 189 ~ 192              |       | LN57 ~ 58           |
|                                  | 193~ 196               |       | 21437 30            |
|                                  | 197 ~ 200              |       | LN59 ~ 60           |
| Gallery S.R.                     | 201 ~ 204              | 3kW   | 2.133               |
|                                  | 205 ~ 208              |       | LN61 ~ 62           |
|                                  | 209 ~ 212              |       |                     |
|                                  | 213 ~ 216              |       | LN63 ~ 64           |
| Gallery Rear Stage               | 217 ~ 220              | 3kW   |                     |
|                                  | 221 ~ 224              |       | LN65 ~ 66           |
|                                  | 321 ~ 328              | 3kW   |                     |
|                                  | 329 ~ 336              | 3kW   |                     |
|                                  | 337 ~ 344              | 3kW   |                     |
|                                  | 345~ 352               |       | LN93 ~ 94           |
|                                  | 353~ 360               | 3kW   | LN95 ~ 96           |
|                                  | 361 ~ 368              |       |                     |
|                                  | 369 ~ 376              | 3kW   | LN97 ~ 98           |
| Stage Grid Area                  | 377 ~ 384              |       |                     |
| 3                                | 385 ~ 392              | 3kW   | LN99 ~ 100          |
|                                  | 393 ~ 400              | 21.11 |                     |
|                                  | 401 ~ 408              | 3kW   | LN101 ~ 102         |
|                                  | 409 ~ 416              | 21.44 | LN102 104           |
|                                  | 417 ~ 424              | 3kW   | LN103 ~ 104         |
|                                  | 425 ~ 432              | 21.44 | LN105 10C           |
|                                  | 433 ~ 440              | 3kW   | LN105 ~ 106         |
| Down Stage/L                     | 443 ~ 446              | 5kW   |                     |
| Down Stage/R                     | 449 ~ 452              | 5kW   |                     |
| Up Stage/L                       | 453 ~ 456              | 5kW   |                     |
| UP Stage/R                       | 461 ~ 464              | 5kW   |                     |
| Gallery S.L.                     | 441 ~ 442              | 5kW   |                     |
| <u> </u>                         |                        |       |                     |

|              | 465 ~ 468 | 5kW |  |
|--------------|-----------|-----|--|
| Callery C.D. | 447 ~ 448 | 5kW |  |
| Gallery S.R. | 457 ~ 460 | 5kW |  |
| Rear Stage   | 469 ~ 470 | 5kW |  |

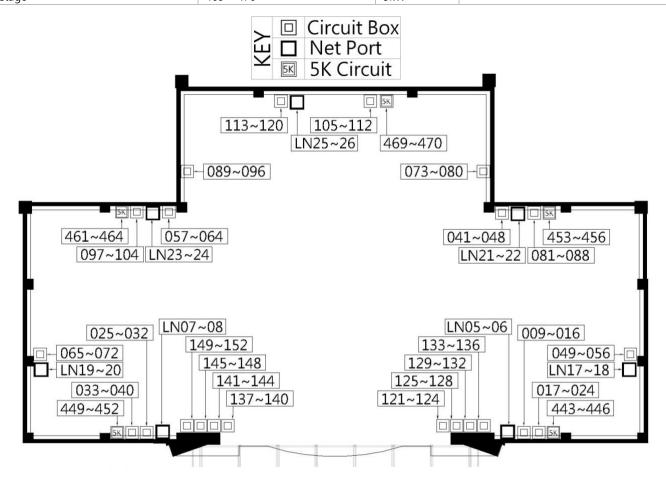


Figure 2.3.1- Stage Area Circuit Layout

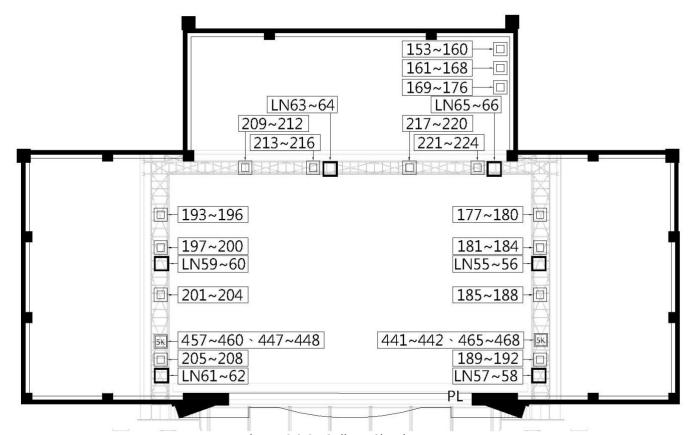


Figure 2.3.2- Gallery Circuit Layout

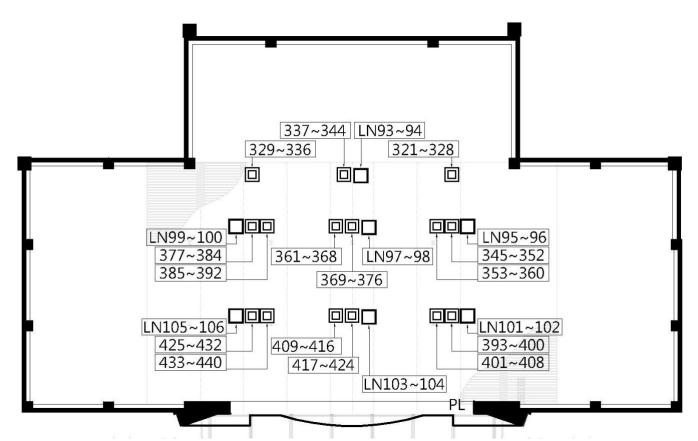


Figure 2.3.3- Grid Area Circuit Layout

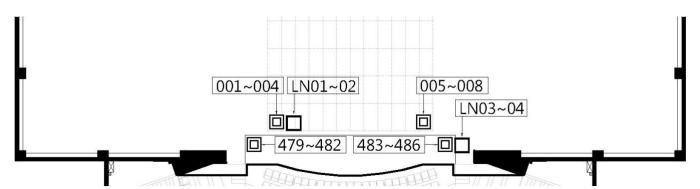


Figure 2.3.4- Stage Traps Room and Orchestra Pit Elevation Platform Circuit Layout

### 2-3-2 Front of House

| Area and Position                       | Dimmer Circuit No. | Load  | Network Circuit No.    |
|---|--------------------|-------|------------------------|
| Tension Grid 1(Up)                      | 225 ~ 228          | 3kW   |                        |
| Tension Grid 1(Center)                  | 229 ~ 232          | 3kW   |                        |
| Tension Grid 1(Down)                    | 233 ~ 236          | 3kW   |                        |
| Tension Grid 2(Up)                      | 273 ~ 280          | 3kW   | LN71 ~ 72              |
| Tension Grid 2(Center)                  | 281 ~ 288          | 3kW   | LN73 ~ 74              |
| Tension Grid 2(Down)                    | 289 ~ 296          | 3kW   | LN75 ~ 76              |
| Tension Grid 3(Up)                      | 237 ~ 240          | 3kW   |                        |
| Tension Grid 3(Center)                  | 241 ~ 244          | 3kW   |                        |
| Tension Grid 3(Down)                    | 245 ~ 248          | 3kW   |                        |
| Tension Grid 4(Up)                      | 249 ~ 252          | 3kW   |                        |
| Tension Grid 4(Center)                  | 253 ~ 256          | 3kW   |                        |
| Tension Grid 4(Down)                    | 257 ~ 260          | 3kW   |                        |
| Tension Grid 5(Up)                      | 297 ~ 304          | 3kW   | LN77 ~ 78              |
| Tension Grid 5(Center)                  | 305 ~ 312          | 3kW   | LN79 ~ 80              |
| Tension Grid 5(Down)                    | 313 ~ 320          | 3kW   | LN81 ~ 82              |
| Tension Grid 6(Up)                      | 261 ~ 264          | 3kW   |                        |
| Tension Grid 6(Center)                  | 265 ~ 268          | 3kW   |                        |
| Tension Grid 6(Down)                    | 269 ~ 272          | 3kW   |                        |
|   | 471 ~ 474          |       | LN37 ~ 38              |
| Auditorium Aisle                        | 475 ~ 478          | 3kW   | LN39 ~ 40              |
| 2 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 | 479 ~ 482          | 21111 |                        |
| Orchestra Pit Lift                      | 483 ~ 486          | 3kW   | LN03 ~ 04              |
|   | 487 ~ 489          |       |                        |
|   | 490 ~ 492          |       |                        |
|   | 493 ~ 495          |       |                        |
| Delegar, Dell C.D.                      | 496 ~ 498          | 21244 | 10.67 60               |
| Balcony Rail S.R.                       | 499 ~ 501          | 3kW   | LN67 ~ 68              |
|   | 502 ~ 504          |       |                        |
|   | 505 ~ 507          |       |                        |
|   | 508 ~ 510          |       |                        |
|   | 511 ~ 513          |       |                        |
|   | 514 ~ 516          |       |                        |
|   | 517 ~ 519          |       |                        |
| Palcony Pail C I                        | 520 ~ 522          | 21444 | LN60 70                |
| Balcony Rail S.L.                       | 523 ~ 525          | 3kW   | LN69 ~ 70              |
|   | 526 ~ 528          |       |                        |
|   | 529 ~ 531          |       |                        |
|   | 532 ~ 534          |       |                        |
|   | 535 ~ 538          |       |                        |
|   | 539 ~ 542          |       |                        |
|   | 543 ~ 546          |       | 11102 04               |
| Catwalk                                 | 547 ~ 550          | 2144  | LN83 ~ 84              |
| Catwalk                                 | 551 ~ 554          | 3kW   | LN85 ~ 86<br>LN87 ~ 88 |
|   | 555 ~ 558          |       | LINO/ ~ 00             |
|   | 559 ~ 562          |       |                        |
|   | 563 ~ 566          |       |                        |

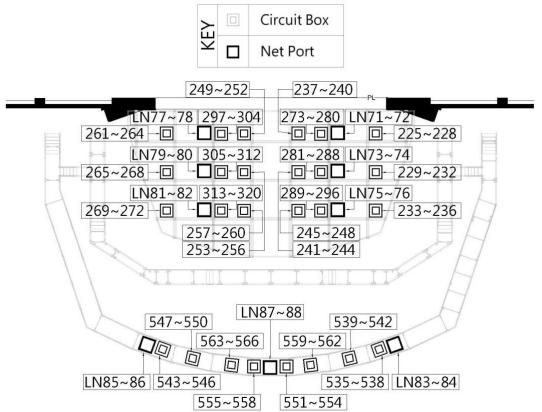
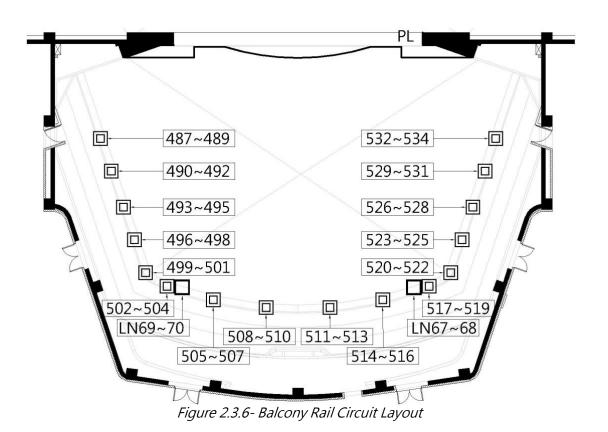


Figure 2.3.5- Tension Grid and Catwalk Circuit Layout



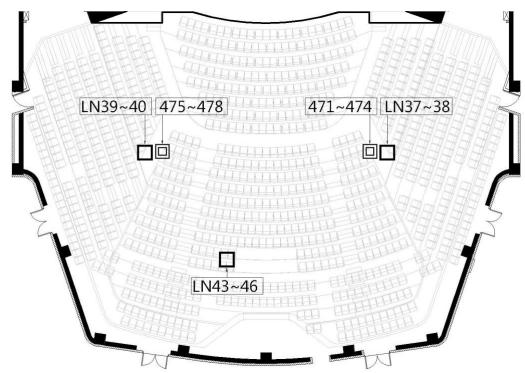


Figure 2.3.7- Auditorium Circuit Layout

### 2–4 Portable Lift

Brand and Model: Snorkel UL-40 (Battery Power Supply)

Maximum height: 12.1m Maximum weight: 136kg

Quantity: 1

## 2–5 Additional Power Supply

| Function | Position                                   | Specifications                            | Quantity  |
|----------|--|---|-----------|
| Stage    |  | 3∮4W+G 380V/220V /60Hz (CEE 125A/3P+N+PE) | 1/1       |
| Light    | Down Stage Left / Right                    | 3∮4W+G 208V/120V /60Hz (Camlock 250A)     | 1/1       |
| Sound    |  | 3∮4W+G 208V/120V /60Hz (Camlock 100A)     | 1/1       |
| Stage    | Stage Left / Stage Right /                 | 3∮4W+G 380V/220V /60Hz (CEE 125A/3P+N+PE) | 2/2/1/1/2 |
| Light    | Up Stage Left / Up Stage Right /Rear Stage | 3∮4W+G 208V/120V /60Hz (Camlock 250A)     | 2/2/1/1/2 |



Figure 2.4- Additional Power Supply

### 2-6 Working Light / House Light / Blackout

#### Work lights

Work lights provided white and blue light mode, and the control switch is located on the stage manager's Desk. Lighting area: Stage, stage Traps room, under Elevation Platform (include machine pit), Orchestra Pit, Gallery, Tension Grid, Stage Grid area, Cat walk and seat storage room.

### **Auditorium lights**

Auditorium lights consists houselights and step lights, which can be separately controlled and dimmed. The control panel is located on the stage manager's Desk and lighting control room.

#### Blackout

In accordance with government Fire Services Act, there are many of emergency lights in the venue. We cannot extinguish the emergency lighting for any performance, there will be the minimal lighting levels in the auditorium and backstage areas.

# 3 Audio/Video-Systems

# 3–1 Audio Facilities

| Item   | Quantity | Brand and Model  | Paid Item |
|--|----------|--|-----------|
| Main speaker(Left and right channels)            | 4        | Renkus-Heinz STX2/64   |           |
| Main speaker (Center channel)                    | 3        | Renkus-Heinz STX2/64   |           |
| Left and right channel auxiliary speaker         | 2        | Renkus-Heinz STX2/94   |           |
| 3F Auditorium auxiliary speaker (Center)         | 4        | Renkus-Heinz STX2/94   |           |
| 3F Auditorium auxiliary speaker (Left and right) | 4        | Renkus-Heinz CA/CX121  |           |
| Subwoofer  | 4        | Renkus-Heinz BPS15-2K  |           |
| Surround speakers                                | 16       | Renkus-Heinz PNX81/12  |           |
| Stage front speakers                             | 12       | Renkus-Heinz CFX 41  |           |
| 12" Stage Active speaker                         | 2        | Renkus-Heinz PN121/9   |           |
| 15" Stage Active speaker                         | 2        | Renkus-Heinz PN151/9   |           |
| 12" Stage Active speaker                         | 8        | Renkus-Heinz PN121M/12   | *         |
| 6.5" Stage Active speaker                        | 6        | Renkus-Heinz PN61  | *         |
| Dual channel Equalizer                           | 4        | BSS FCS960   | *         |
| Digital I/O Fiber Module                         | 2        | Studer D21M  |           |
| Follow RM. speakers                              | 2        | Dynaudio BM compact MkIII  |           |
| Movable auxiliary speaker                        | 2        | Renkus-Heinz PNX151T/9A<br>Renkus-Heinz DRS18-1B<br>LabGruppen PLM10000Q |           |
| Stereo audio converter                           | 1        | Whirlwind PcUSB 2-Channel USB Direct Box                                 |           |

Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

### 3–2 Control Room

| Item                                    | Quantity | Brand and Model             | Paid Item |
|---|----------|-----------------------------|-----------|
| Master Digital Mixer                    | 1        | Studer Vista 9 M2 QS        |           |
| ( Control Room standard configuration ) |          |                             |           |
| Digital Mixer                           | 1        | Soundcraft Vi4              | *         |
| Digital I/O Fiber Module                | 1        | Studer D21m                 |           |
| CD Player                               | 1        | Tascam CD-500B              | *         |
| CD-R Player                             | 1        | Tascam CD-RW 901 MKII       | *         |
| Dual channel Digital Effects            | 2        | Eventide Eclipse V4         |           |
| Multitrack Recording equipment          | 1        | JoeCo BBR1D+2.5" USB 1TB HD | *         |
| Dual track Hard disk recorder           | 1        | Tascam DA 3000              | *         |
| Active speaker                          | 2        | Dynaudio BM12 MkⅢ           |           |

Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

## 3–3 Stage Manager's Console

The stage manager's console is equipped with a near-field monitor speaker, stage video monitors, synchronous show screens with lighting and flying system controller, communication system and live announcements to individual space in backstage.

### 3-4 Machine Room

| Item                         | Quantity | Brand and Model                 | Note |
|------------------------------|----------|---------------------------------|------|
| Digital Audio Management     | 1        | Studer D21M (Studer Score Live) |      |
| Audio Control Manager Switch | 1        | HP 1410-24                      |      |
| Digital I/O Fiber Module     | 1        | Studer D21M                     |      |

3-5 Microphone

| Item  | Quantity | Brand and Model                 | Paid Item |
|---|----------|---------------------------------|-----------|
| Dynamic microphone                          | 4        | Audio Technica AE4100           | *         |
| Condenser microphone                        | 4        | Audio Technica AE5400           | *         |
| Dynamic microphone                          | 8        | Audio Technica ATM250           | *         |
| Cardioid Condenser microphone               | 6        | Audio Technica AT4021           | *         |
| Gradient Condenser microphone               | 4        | Audio Technica BP4073           | *         |
| Cardioid Condenser Boundary Microphone      | 4        | Audio Technica U851R            | *         |
| Stage reception Microphone                  | 4        | DPA 4017B / DPA UA 0836 Holders |           |
| Hypercardioid Condenser microphone          | 6        | AKG CK63-ULS+C480B              | *         |
| Cardioid condenser microphone               | 6        | AKG CK61-ULS+C480B              | *         |
| Wireless microphone                         | 4        | Sennheiser SKM500G3+MME865      | *         |
| Mini wireless microphone                    | 12       | Sennheiser SK500G3+MKE2         | *         |
| Single channel wireless microphone receiver | 16       | Sennheiser EW500G3              |           |
| Wireless microphone wave antenna            | 2        | Sennheiser AD3700               |           |
| Wave antenna distributor                    | 3        | Sennheiser ASA1                 |           |

Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

# **3-6 Communications**

| Item                                     | Quantity | Brand and Model                                      | Paid Item |
|--|----------|--|-----------|
| Intercom host machine ( Matrix 32 x 32 ) | 1        | Clear-Com Eclipse                                    |           |
|  |          | HX-Delta   |           |
| System interface                         | 1        | Clear-Com Helixnet                                   |           |
|  |          | HMS-4X   |           |
| Double circuit intercom                  | 8        | Clear-Com Helixnet HBP-2X                            |           |
| Fixed intercom microphone/ speak         | 2        | Clear-Com V12PDXY 110 / 340                          |           |
|  |          | Clear-Com V12PDDXY 110 / 340                         |           |
| Single head receiver microphone          | 8        | Clear-Com CC-300                                     |           |
| Double head receiver microphone          | 4        | Clear-Com CC-400                                     |           |
| Telephone intercom                       | 2        | Clear-Com HS-6                                       |           |
| Digital Wireless Intercom set            | 8        | 1. Portable wireless sub-station / Clear-Com FSII-BP | *         |
|  |          | 2. Single-ear headset / Clear-Com CC-300             |           |

Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

### 3-7 Locations of Communications

Each floor is paired with intercom system, 34 units in total.

| No. | Floor | Location                  |
|-----|-------|---------------------------|
| 1   | B1F   | Orchestra area            |
| 2   |       | Orchestra area            |
| 3   |       | Orchestra area            |
| 4   |       | Stage trap area           |
| 5   |       | Rest room                 |
| 6   | 1F    | Stage left                |
| 7   |       | Stage right               |
| 8   |       | Upstage left              |
| 9   |       | Upstage right             |
| 10  |       | Rear stage                |
| 11  |       | Stage left proscenium     |
| 12  |       | Stage right proscenium    |
| 13  |       | Loading Dock              |
| 14  |       | Left downstage            |
| 15  |       | Right downstage           |
| 16  |       | Dressing room 01          |
| 17  |       | Dressing room 02          |
| 18  |       | Dressing room 03          |
| 19  |       | Dressing room 04          |
| 20  |       | Sound room                |
| 21  | 2F    | Auditorium control area   |
| 22  |       | Control room              |
| 23  |       | Control room              |
| 24  | 2MF   | Stage right work corridor |
| 25  |       | Stage left work corridor  |
| 26  |       | Rear stage work corridor  |
| 27  |       | Floor leading edge        |
| 28  | 3F    | Right tension             |
| 29  |       | Left tension              |
| 30  |       | Dimmer room               |
| 31  |       | Amplifier room            |
| 32  | 4F    | Follow room               |
| 33  |       | Winch room                |
| 34  |       | Catwalk                   |

# 3-8 Stage Cameras and Video Surveillance Systems

Stage monitors are installed in right and left stage entrances, first, second, and third floor lobbies, master and secondary control rooms, dressing rooms and green rooms.

| Item                     | Quantity | Brand and Model                             | Paid Item |
|--------------------------|----------|---|-----------|
| Camera ( 2/3 inch 3CCD ) | 1        | Panasonic AW-HE870                          |           |
|                          |          | Panasonic LZ20M85G                          |           |
| Remote control           | 1        | Panasonic AW-RP50                           |           |
| Switcher                 | 1        | Panasonic AW-RP120                          |           |
| Camera                   | 1        | Panasonic AW-HE60SN                         |           |
| Infrared camera          | 1        | AIDA GEN3G-200                              |           |
| Video recording          | Show     | Fixed camera for stage panoramic view       |           |
|                          |          | recording, only suitable for archived copy. |           |

Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

### 3-9 Paging Systems

#### **Backstage Paging Systems**

There are four venues individually Backstage Paging Systems in National Kaohsiung Center for the Arts. For Playhouse paging available to all dressing rooms, green rooms, Company office and passage, it can also available paging to separately 5 zones. The Paging and Program position is located on the stage manager's console.

Zone 1: 1042 Company office-01 \ 1050 Company office-02 \ 1050A Company office-03

Zone 2: Toilet(1031 \cdot 1032 \cdot 1060 \cdot 1061) \cdot Corridor (1028 \cdot 1049 \cdot 1051 \cdot 1064 \cdot 1066 \cdot 1072 \cdot 1091)

Zone 3: Passage B1018

Zone 4:1034 Dressing Room-01 \ 1036 Dressing Room-02 \ 1038 Dressing Room-03 \ 1040 Dressing Room-04 \ 1029 Green room-01 \ 1033 VIP Room

Zone 5: B1020 Dressing Room-07 \ B1025 Green room-02 \ B1026 Dressing Room-08 \ B1028 Dressing Room-09 \ B1043 Dressing Room-10 \ B1043A Dressing Room-11

Zone A: 1054 Dressing Room-05 \ 1056 Dressing Room-06

Zone B: 1058 VIP Room

### 3-10 Projector

| Item                   | Quantity | Brand and Model  | Paid Item |
|------------------------|----------|--|-----------|
| 20000 Ansi Projector   | 2        | Digital Projection Titan Super Quad 1080p                    | *         |
| Wide-angle lens(Prime) | 2        | 0.67:1 fixed HB Lens (Optimised focus range:1.1m-10m)        |           |
| Normal lens(Zoom)      | 2        | 1.87-2.56:1 zoom HB Lens<br>(Optimised focus range:4m-24m)   |           |
| Telephoto lens(Zoom)   | 2        | 2.56-4.16:1 zoom HB Lens<br>(Optimised focus range:9.1m-45m) |           |

Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

## 3-11 Projector connections

| Video & Computer  |                |          | Communication & Control |                   |          |
|-------------------|----------------|----------|-------------------------|-------------------|----------|
| Туре              | Connector      | Quantity | Туре                    | Connector         | Quantity |
| Qty DVI-D / DVI-A | DVI-I          | 1        | 3D Sync Out             | BNC               | 1        |
| HDMI 1.3          | HDMI           | 1        | 3D Sync In              | BNC               | 1        |
| 3G-SDI            | BNC            | 1        | LAN                     | RJ45              | 1        |
| VGA/ Analog RGB   | 15-pin D-Sub   | 1        | RS232                   | 9-pin D Sub       | 1        |
| Component Video   | 4 x BNC        | 1        | Wired Remote In         | 3.5mm Stereo Jack | 1        |
| S-Video           | 4-pin Mini DIN | 1        | Wired Remote Out        | 3.5mm Stereo Jack | 1        |
| Composite Video   | RCA            | 1        | Update Port             | RJ45              | 1        |
| Composite Video   | BNC            | 1        | Service Port            | USB Type B        | 1        |

### 3-12 Subtitle

| Item                        | Quantity               | Brand and Model  | Paid Item |
|-----------------------------|------------------------|--|-----------|
| LED Subtitle display screen | 1 / 12 pieces in total | <ol> <li>1. 12 Panasonic(TH-55LFV70W) \ 2 Laptop \ 1         Switcher</li> <li>2. Include installation</li> <li>3. After second performance will discount         50%</li> <li>4. Shared with Playhouse</li> </ol> | *         |

<sup>\*</sup> Items with \* mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.

# 4 Backstage

# 4–1 Dressing Room and Green Room . Company office

| No. | Floor | Room No. | Name              | Capacity | Notes  |
|-----|-------|----------|-------------------|----------|--|
| 1   |       | 1029     | Green room 01     | 15       | Includes upright piano, table and chairs, sofa       |
| 2   |       | 1034     | Dressing room 01  | 3        | Includes mirror, table and chairs, toilet and shower |
| 3   |       | 1036     | Dressing room 02  | 3        | Includes mirror, table and chairs, toilet and shower |
| 4   |       | 1038     | Dressing room 03  | 3        | Includes mirror, table and chairs, toilet and shower |
| 5   | 1     | 1040     | Dressing room 04  | 3        | Includes mirror, table and chairs, toilet and shower |
| 6   | 1     | 1042     | Company office 01 | 10       | Includes table and chairs ,sofa                      |
| 7   |       | 1050     | Company office 02 | 10       | Includes table and chairs.                           |
| 8   |       | 1050A    | Company office 03 | 10       | Includes table and chairs.                           |
| 9   |       | 1054     | Dressing room 05  | 8        | Includes mirror, table and chairs, toilet and shower |
| 10  |       | 1056     | Dressing room 06  | 8        | Includes mirror, table and chairs, toilet and shower |
| 11  |       | B1020    | Dressing room 07  | 26       | Includes mirror, table and chairs, toilet and shower |
| 12  |       | B1025    | Green room 02     | 25       | Includes table and chairs ,sofa                      |
| 13  |       | B1026    | Dressing room 08  | 14       | Includes mirror, table and chairs, toilet and shower |
| 14  | B1    | B1028    | Dressing room 09  | 14       | Includes mirror, table and chairs, toilet and shower |
| 15  | 1     | B1043    | Dressing room 10  | 12       | Includes mirror, table and chairs and toilet         |
| 16  |       | B1043A   | Dressing room 11  | 12       | Includes mirror, table and chairs and toilet         |

## 4–2 Orchestra Facilities

| No. | Item                                  | Quantity |   | Notes                            |
|-----|---------------------------------------|----------|---|----------------------------------|
| 1   | Chair                                 | 100      | * |                                  |
| 2   | Ensemble stool                        | 12       | * |                                  |
| 3   | Conductor' s chair                    | 1        |   |                                  |
| 4   | Music stand                           | 90       | * |                                  |
| 5   | Music stand light                     | 110      | * | White light, two brightness mode |
| 6   | Conductor' s podium(single layer)     | 1        | * | WENGER                           |
|     |                                       |          |   | L 120cm x W 115cm x H 25cm       |
| 7   | Conductor' s stand                    | 1        | * |                                  |
| 8   | Percussion table stand                | 4        | * |                                  |
| 9   | Acoustic shield                       | 5        | * |                                  |
| 10  | Music stand Tray                      | 10       | * |                                  |
| 11  | Endpin stopper                        | 10       | * |                                  |
|     | Solo Musician' s PODIUM 130*60*16(cm) | 2        | * |                                  |
| 12  | Solo Musician' s PODIUM 100*60*16(cm) | 2        | * |                                  |
| 12  | Solo Musician' s PODIUM 130*60*30(cm) | 10       | * |                                  |
|     | Solo Musician' s PODIUM 100*60*30(cm) | 8        | * |                                  |

Items with \* mark are shared with Opera House

### 4–3 Pianos (shared between four theatres)

| No. | Item                  | Brand           | Model Number            | Quantity | Notes |
|-----|-----------------------|-----------------|-------------------------|----------|-------|
| 1   | Model-D Concert grand | Steinway & Sons | D-274                   | 3        | *     |
| 2   | Concert grand         | FAZIOLI         | F308                    | 1        | *     |
| 3   | Grand Piano           | YAMAHA          | C7XPE                   | 1        | *     |
| 4   | Grand Piano           | KAWAI           | SK-6L                   | 1        | *     |
| 5   | Celesta               | Schiendmayer    | 5 ½ Octave Studio model | 1        | *     |
| 6   | Harpsichord           | J.C.NEUPERT     | Hemsch                  | 1        | *     |
| 7   | Upright Piano         | YAMAHA          | U3                      | 1        | *     |

 ${\it Items with * mark are paid items. Please refer to the rate tables of National Kaohsiung Center for the Arts.}$ 

### Important:

Pianos shared with four venues, booking in advance is required.

WeiWuYing's contract-signed piano technician must tune all pianos before performance.(Piano hire fees do not include tuning costs)

While WWY's piano is in part of the performance, the Fog and Haze Machine can't be used.

### 4-4 Loading Dock / Scenery Shipping Path / Loading Flow

#### 4-4-1 West Dock

Playhouse and Opera House use the West Dock for loading and unloading. The dock is equipped with three hydraulic dock leveler that can be adjusted according to the required height.

### **Dock Dimension**

Big loading dock: 7.25m (width) x 4.3m (height) Small loading dock: 3.5m (width) x 4.3m (height)

Loading entrance and exit: 4.3m height from floor to top (Truck height limit 4.2m)

3.8m height from dock to grid area

Stage entrance and exit: minimum 4m (width) x 3.4m (height)

Height from dock to floor: 0.98m

#### \*\*Notes for Container Transport:

Due to the limitation of the slope at the entry of the loading dock, the minimum height of the trailer's low bed should be higher than 100cm. Also, if the company hires a 40' high-cube container, the bed rack should be within the height of 135~140cm to accommodate the height of loading gate.

### 4-4-2 West Dock Handling equipment

2.5mt Electric Forklift x1

1.5mt Stand-Up Automatic Electric Forklift x1

3mt Manual Hydraulic Pallet Jack x2

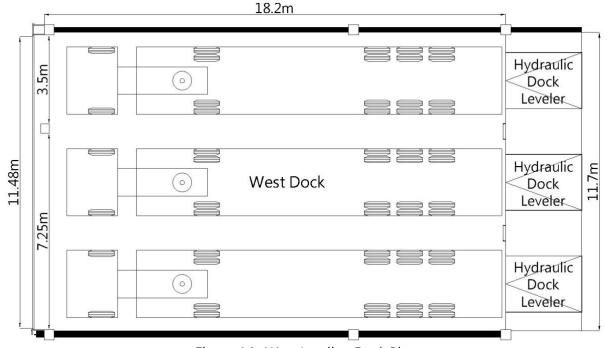


Figure 4.1 - West Loading Dock Plan

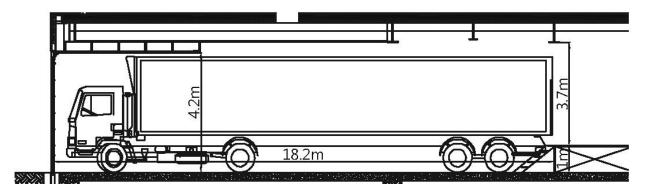


Figure 4.2- West Loading Dock Section

### 4-4-3 Loading Flow

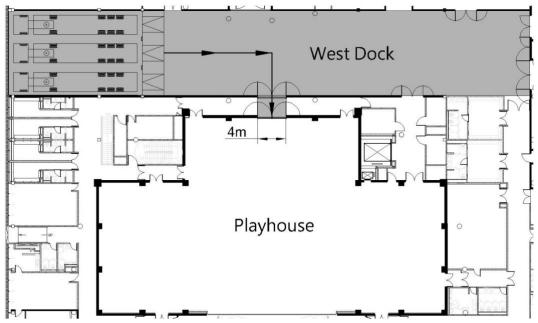


Figure 4.3- Loading Flow

### 4-4-4 Hydraulic Dock Leveler

Capacity: 22.6mt

Area: 198cm (width) x 221.9cm (length)

Elevation: +/- 30.5cm

Quantity: 3

### **4-5 Other Facilities**

#### 4-5-1 Rehearsal Rooms

There is no rehearsal studio dedicated to the Playhouse. Additional rehearsal space is limited across the WeiWuYing. There are 13 different function and accommodated rehearsal studios, these available for hire between four major theatres. Requests should be discussed well in advance to determine availability. The hire fees please refer to the rate tables of National Kaohsiung Center for the Arts.

| Room No. | Name   | <b>Dimension</b><br>(Length x Width x Height / m) | Notes   |
|----------|--|---|---|
| 1171     | Rehearsal Studio-01<br>(Opera House rehearsal<br>room) | 16.4x12.3x10.4 Subsidiary space 6.9x5.3x3         | Grand Piano, Wooden floor covered black color dance floor, Wall mount glassless mirrors x 1 side     Capacity: 110  |
| 1182     | Rehearsal Studio-02                                    | 11.4x10.8x3.8                                     | Capacity . 110     Wooden floor covered gray color dance floor,     Sound absorption wall x 2 side, Wall mount     glassless mirrors x 2 side     Capacity : 50             |
| 1184     | Rehearsal Studio-03                                    | 11.1x10.8x4                                       | Grand Piano, Wooden floor covered gray color dance floor, Sound absorption wall x 2 side, Wall mount glassless mirrors x 2 side     Capacity: 50                            |
| 1186     | Rehearsal Studio-04                                    | 17.5x12.1x3.9                                     | Grand Piano, Wooden floor, black color dance floor,     Wall mount glassless mirrors x 2 side, Fixed Ballet     barre on the single sided wall mirror x 2     Capacity: 110 |
|          |  | Subsidiary space 6.6×8.8 ×3                       | Rehearsal Studio-04 use only Green Room-01(With dressing room)  |
| 1192     | Rehearsal Studio-05                                    | 19.3x12.2x3.9                                     | Grand Piano, Wooden floor, black color dance floor, Wall mount glassless mirrors x 2 side, Fixed Ballet barre on the single sided wall mirror x 2     Capacity: 110         |
|          |  | Subsidiary space 6.6×8.8 ×3                       | Rehearsal Studio-05 use only<br>Green Room-02(With dressing room)   |
| B1111    | Rehearsal Studio-06                                    | 8x7.4x2.3   | Upright piano, Chair, Music stand, Wooden floor,     Sound absorption wall     Capacity: 25   |
| B1112    | Rehearsal Studio-07                                    | 5.2x4.4x2.3                                       | Chair, Music stand, Wooden floor, Sound absorption     wall     Capacity: 10  |
| B1113    | Rehearsal Studio-08                                    | 7.2x5x2.7   | Chair, Music stand, Wooden floor, Sound absorption wall     Capacity: 15  |
| B1114    | Rehearsal Studio-09                                    | 5.2x3.7x2.7                                       | Chair, Music stand, Wooden floor, Sound absorption     wall     Capacity: 10  |
| B1115    | Rehearsal Studio-10                                    | 5.2x4.1x2.7                                       | Chair, Music stand, Wooden floor, Sound absorption     wall     Capacity: 10  |
| B1116    | Rehearsal Studio-11                                    | 5.2 x 4.1 x 2.7                                   | Chair, Music stand, Wooden floor, Sound absorption wall     Capacity: 10  |
| B304     | Chorus Rehearsal Room                                  | 15.9x9.9x8.8                                      | Grand Piano, Chair, Ensemble stool, Wooden floor,     Sound absorption curtain     Capacity: 80   |
| B313     | Orchestra Studio                                       | 18.7x14.3x7.8                                     | fixed auditorium < 84seats > , Grand Piano, Chair,     Ensemble stool, Wooden floor, Sound absorption     curtain     Capacity: 200   |

### 4-5-2 Carpentry Shop / Costume Shop / Laundry Room

National Kaohsiung Center for the Arts is equipped with basic production facilities, include Carpentry Shop, Costume Shop, and laundry rooms. Those for hire between four major theatres .The hire fees please refer to the rate tables of National Kaohsiung Center for the Arts.

| Room No. | Name            | Dimension                     | Notes  |  |
|----------|-----------------|-------------------------------|--|--|
|          |                 | (Length x Width x Height / m) |  |  |
| 1002     | Carpentry Shop  | 8.9×5.8×3                     | General welding facilities for repairs             |  |
| 1165     | Costume Shop-01 | 5.9×10.2×3                    | Basic facilities for the maintenance of costume;   |  |
| 1181     | Costume Shop-02 | 5.8×11.8×3                    | Sewing machine, overlock machine and stream / iron |  |
|          |                 |                               | equipment  |  |
| 1163     | Laundry Room-01 | 5.8×4.9×3                     | Washing machine, tumble dryers, sink and clothes   |  |
| B1019    | Laundry Room-02 | 6×8.2×3                       | folding table                                      |  |