

## Project Schedule

## **Project Schedule - DRAFT**



© MAHLUM



## 200 Building Theater

### 200 Building Theater: Floor Plan



© MAHLUM

### 200 Building Theater: Commons



## 200 Building Theater: Transformed



Rendering Courtesy of: Mahlum

### 200 Building Theater: Transformed



### Theater – Classroom/Theater Support



### Theater – Technical Support Spaces



### Theater – House Seating









### **COMBINED SEATING AREA PLAN** $\int \frac{1}{4''} = 1' - 0''$

PORTABLE PLATFORMS INFILLING PIT





STANDARD FOOT JUNCTION BOX FLUSH IN FLOOR	
BOX ADJACENCY DETAIL - FLOOR MOUNT - TYPIC	<ul> <li>CAL</li> <li>ALL CIRCUITS SHALL HAVE A DEDICATED HOMERUN UNLESS OTHERWISE INDICATED.</li> </ul>
	ABBREVIATIONSVIF = VERIFY IN FIELDCLR = CLEARSAD = SEE ARCHITECTURAL DRAWINGSHL = HOUSE LEFTSSD = SEE STRUCTURAL DRAWINGSHR = HOUSE RIGHTSMD = SEE MECHANICAL DRAWINGSSR = STAGE RIGHTSED = SEE ELECTRICAL DRAWINGSSL = STAGE LEFTAFF = ABOVE FINISHED FLOORSIM. = SIMILARNIC = NOT IN CONTRACTOPP. = OPPOSITEHT = HEIGHTNTS = NOT TO SCALETYP = TYPICALMIN = MINIMUMRWL = RECOMMENDED WORKING LOADMAX = MAXIMUMUON = UNLESS OTHERWISE NOTEDMAX
5	6



## Theater – Technical Support Spaces



## Control Room Representative Example



Sister Caroline Collins Theater at Sacred Heart Cathedral Preparatory, Design by The Shalleck Collaborative Image Courtesy of: Robert Canfield

# Theater – Technical Support Spaces



### **Overhead Support** Representative Example



### Theater – Technical Support Spaces



Rendering Courtesy of: Mahlum













### SCENERY HOIST, POSITION T.B.D.

HOUSELIGHT HOISTS -

DEAD-HUNG RIGGING BATTEN, TYPICAL OF 2, APPROX. 50' LONG, CENTERED ON STAGE

SUPPLEMENTAL STEEL FOR MOUNTING

AND LEVEL TO WITHIN 1/8" OVER 10'-0".

HOIST MOTORS. BEAMS MUST BE FLAT

TYPICAL FOR SCENERY HOIST AND

SQUARE HSS HANGERS AT PERIMETER OF TENSION GRID AND AT CATWALKS, 10" X 10" X 1/2" PLATE AT BOTTOM OF HANGER

> PERIMETER HSS (BY STRUCTURAL) —

TENSION GRID MODULE (BY PRODUCTION RIGGING)

1-1/2" (1.9" OD) PIPE HANGERS AT INTERIOR HANGER POINTS, 10" X 10" X 1/2" PLATE AT BOTTOM OF HANGER.

 $(1) \underbrace{\text{CENTERLINE SECTION}}_{1/8'' = 1'-0''}$ 

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1

### SIM. = SIMILAR AFF = ABOVE FINISHED FLOOR NIC = NOT IN CONTRACT OPP. = OPPOSITE HT = HEIGHT NTS = NOT TO SCALE TYP = TYPICAL MIN = MINIMUM RWL = RECOMMENDED WORKING LOAD MAX = MAXIMUM RIGGING GENERAL NOTES 1. THIS SHEET IS INTENDED TO PROVIDE RIGGING AND DRAPERY INFORMATION ONLY. REFERENCE OTHER ARCHITECTURAL AND ENGINEERING DOCUMENTS FOR RELATED AREAS. 2. SHOW ATTACHMENT BACKING REQUIREMENTS ON SHOP DRAWINGS. 3. COORDINATE WITH ALL RELATED TRADES TO MAINTAIN CLEARANCES FOR RIGGING SYSTEMS INSTALLATION AND SAFE AND EFFECTIVE USE. NO PIPE, CONDUIT, RACEWAY, DUCT, NOR ANY OTHER OBSTRUCTION SHALL BE PERMITTED IN RIGGING CLEAR ZONES, OR WITHIN 6" OF ANY MOVING COMPONENT OF RIGGING SYSTEMS, INCLUDING LIFT LINES. 4. SEE SPECIFICATIONS FOR PRODUCT AND INSTALLATION CRITERIA. 5. PRODUCTION SYSTEMS SHOWN ARE DEFERRED APPROVAL. INSTALLATION OF ALL DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS,

AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE

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CLR = CLEAR HL = HOUSE LEFT

HR = HOUSE RIGHT

SR = STAGE RIGHT

SL = STAGE LEFT

ABBREVIATIONS

SAD = SEE ARCHITECTURAL DRAWINGS SSD = SEE STRUCTURAL DRAWINGS

SMD = SEE MECHANICAL DRAWINGS

SED = SEE ELECTRICAL DRAWINGS

VIF = VERIFY IN FIELD

ARCHITECT.

CLEAR ZONE FOR RIGGING EQUIPMENT, THERE SHALL BE NO CONDUIT, PIPING, OR ANY OTHER OBSTRUCTION BELOW:
\* 6" ABOVE BOTTOM FLANGE OF ROOF /RIGGING STEEL @ ALL HOIST LOCATIONS
\* 24" IN FRONT AND BEHIND CENTERLINE OF ALL HOIST LOCATIONS
\* 7'-6" ABOVE TENSION GRID

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BOTTOM OF RIGGING STEEL

HOUSELIGHT HOIST, TYPICAL OF 2 POSITIONS T.B.D.

### TOP OF TENSION GRID HANGER PLATES 99'-10"

BOOTH LEVEL 97'-6" LIBRARY/UPPER COMMONS LEVEL 94'-0"

STAGE LEVEL 82'-6" PIT LEVEL 80'-0" \_\_\_\_





BOOTH LEVEL +97'-6"

LIBRARY/UPPER COMMONS LEVEL +94'-0"

STAGE LEVEL +82'-6" PIT LEVEL +80'-0"

CLEAR ZONE FOR RIGGING EQUIPMENT, THERE SHALL BE NO CONDUIT, PIPING, OR ANY OTHER OBSTRUCTION BELOW:

- 6" ABOVE BOTTOM FLANGE OF ROOF /RIGGING STEEL @ ALL HOIST

- 24" IN FRONT AND BEHIND CENTERLINE OF ALL HOIST LOCATIONS - 7'-6" ABOVE TENSION GRID

BOOTH LEVEL +97'-6"

LIBRARY/UPPER COMMONS LEVEL

STAGE LEVEL +82'-6" PIT LEVEL +80'-0"

### ABBREVIATIONS VIF = VERIFY IN FIELD SAD = SEE ARCHITECTURAL DRAWINGS SSD = SEE STRUCTURAL DRAWINGS SMD = SEE MECHANICAL DRAWINGS

SED = SEE ELECTRICAL DRAWINGS SL = STAGE LEFT AFF = ABOVE FINISHED FLOOR SIM. = SIMILAR NIC = NOT IN CONTRACT OPP. = OPPOSITE HT = HEIGHT NTS = NOT TO SCALE TYP = TYPICAL MIN = MINIMUM RWL = RECOMMENDED WORKING LOAD MAX = MAXIMUM RIGGING GENERAL NOTES

CLR = CLEARHL = HOUSE LEFT

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### 1. THIS SHEET IS INTENDED TO PROVIDE RIGGING AND DRAPERY INFORMATION ONLY. REFERENCE OTHER ARCHITECTURAL AND ENGINEERING DOCUMENTS FOR RELATED AREAS.

2. SHOW ATTACHMENT BACKING REQUIREMENTS ON SHOP DRAWINGS.

3. COORDINATE WITH ALL RELATED TRADES TO MAINTAIN CLEARANCES FOR RIGGING SYSTEMS INSTALLATION AND SAFE AND EFFECTIVE USE. NO PIPE, CONDUIT, RACEWAY, DUCT, NOR ANY OTHER OBSTRUCTION SHALL BE PERMITTED IN RIGGING CLEAR ZONES, OR WITHIN 6" OF ANY MOVING COMPONENT OF RIGGING SYSTEMS, INCLUDING LIFT LINES.

4. SEE SPECIFICATIONS FOR PRODUCT AND INSTALLATION CRITERIA.

5. PRODUCTION SYSTEMS SHOWN ARE DEFERRED APPROVAL. INSTALLATION OF ALL DEFERRED APPROVAL ITEMS SHALL NOT BE STARTED UNTIL CONTRACTOR'S DRAWINGS, SPECIFICATIONS, AND ENGINEERING CALCULATIONS FOR THE ACTUAL SYSTEMS TO BE INSTALLED HAVE BEEN ACCEPTED AND SIGNED BY THE ARCHITECT.

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TB - TERMINAL BOX 3 @ 20A W - RFU WIFI - CIRCUITS AMPERAGE - NUMBER OF CIRCUITS - DEVICE LOCATION PLB - PRODUCTION LIGHTING PUSHBUTTON DEVICE 2P-4 DEVICE TYPE-DEVICE NUMBER 2P - DOUBLE BUTTON STATION 5P - FIVE BUTTON STATION – DEVICE LOCATION : 200A LTG: PRODUCTION LIGHTING MISC: MISCELLANEOUS POWER :100A 120/208V 3-PHASE COMPANY SWITCH CAMLOK CONNECTORS FOR 200A & 400A PIN AND SLEEVE CONNECTORS FOR 100A & 60A ↓ NEMA 5-20R DUPLEX POWER RECEPTACLE INTEGRAL TO DEVICE, 120V, 20A, CONSTANT ♣ → NEMA 5-20R QUAD POWER RECEPTACLE INTEGRAL TO DEVICE, 120V, 20A, CONSTANT NEMA L21-20, 20A, CONSTANT POWER RECEPTACLE LIGHTING GENERAL NOTES 1. THIS SHEET IS INTENDED TO PROVIDE PRODUCTION LIGHTING SYSTEM INFORMATION ONLY. REFERENCE OTHER PRODUCTION SYSTEMS, ARCHITECTURAL AND ENGINEERING DOCUMENTS FOR RELATED AREAS. 2. REFERENCE SPECIFICATIONS AND ELECTRICAL DRAWINGS FOR DIVISION 26 INSTALLATION REQUIREMENTS 3. ALL CIRCUITS SHALL HAVE A DEDICATED HOMERUN UNLESS OTHERWISE INDICATED. 4. ALL CIRCUITS SHALL HAVE A DEDICATED NEUTRAL. ALL POWER DEVICE BOXES SHALL HAVE AT LEAST ONE DEDICATED GROUND HOMERUN TO THE DIMMER RACK. ABBREVIATIONS VIF = VERIFY IN FIELD CLR = CLEARSAD = SEE ARCHITECTURAL DRAWINGS HL = HOUSE LEFT SSD = SEE STRUCTURAL DRAWINGS HR = HOUSE RIGHT SMD = SEE MECHANICAL DRAWINGS SR = STAGE RIGHT SED = SEE ELECTRICAL DRAWINGS SL = STAGE LEFT AFF = ABOVE FINISHED FLOOR SIM. = SIMILAR

OPP. = OPPOSITE

MIN = MINIMUM

NTS = NOT TO SCALE

-PRODUCTION LIGHTING DEVICE

C - CONTROL RECEPTACLE PANEL

-DEVICE TYPE-DEVICE NUMBER

NET PORT

**PLD** 

B-6

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NIC = NOT IN CONTRACT

UON = UNLESS OTHERWISE NOTED

RWL = RECOMMENDED WORKING LOAD MAX = MAXIMUM

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HT = HEIGHT

TYP = TYPICAL





PRODUCTION LIGHTING SYMBOL KEY
PRODUCTION LIGHTING DEVICE DEVICE TYPE-DEVICE NUMBER C - CONTROL RECEPTACLE PANEL NB - RECEPTACLE BOX WITH DMX NODE LC - LCD SCREEN NEB - RECEPTACLE BOX WITH DMX NODE & NET PORT 3 @ 20A TB - TERMINAL BOX W - RFU WIFI
CIRCUITS AMPERAGE NUMBER OF CIRCUITS DEVICE LOCATION
PLB PRODUCTION LIGHTING PUSHBUTTON DEVICE 2P-4 DEVICE TYPE-DEVICE NUMBER 2P - DOUBLE BUTTON STATION 5P - FIVE BUTTON STATION
DEVICE LOCATION
LTG LETTERS INDICATE PERFORMANCE SYSTEM 200A LTG: PRODUCTION LIGHTING MISC: MISCELLANEOUS POWER 120/208V 3-PHASE COMPANY SWITCH CAMLOK CONNECTORS FOR 200A & 400A PIN AND SLEEVE CONNECTORS FOR 100A & 60A
<ul> <li>NEMA 5-20R DUPLEX POWER RECEPTACLE INTEGRAL TO DEVICE, 120V, 20A, CONSTANT</li> <li>NEMA 5-20R QUAD POWER RECEPTACLE INTEGRAL TO DEVICE, 120V, 20A, CONSTANT</li> <li>NEMA L21-20, 20A, CONSTANT POWER RECEPTACLE</li> </ul>
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ELECTRICAL ENGINEER TO CONFIRM CODE **REQUIREMENTS FOR** EMERGENCY SYSTEMS SWITCHOVER TIME.

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RWL = RECOMMENDED WORKING LOAD MAX = MAXIMUM UON = UNLESS OTHERWISE NOTED

![](_page_26_Picture_8.jpeg)

	THEATRICAL LIGHTING DEVICE SCHEDULE												
				NETW	VORK	RELA	Y CIR.						
DEVICE TYPE	DEVICE NUMBER	NI-XMQ	DMX-OUT	TAP-ID	NET-TAP-QTY	CIRCUIT QTY	CIRCUIT #	DUPLEX	QUAD	DEVICE DETAIL	FINISH	MOUNTING REF	NOTES
NB	1					2	-1						
NB	2					2	-1						
NB	3					2	-1						
NEB	4					2	-1						
LC	5												
NEB	6					5	-4						
NB	7					4	-3						
NB	8					5	-4						
NB	9					5	-4						
NB	10					5	-4						
NB	11					4	-3						
NB	12					5	-4						
NEB	13					5	-4						
NB	16					2	-1		1				
LC	17												
С	18												

### MAIN THEATER DEVICE SCHEDULE

	THEATRICAL LIGHTING DEVICE SCHEDULE												
				NETWORK		RELAY CIR.							
DEVICE TYPE	DEVICE NUMBER	NI-XMU	DMX-OUT	TAP-ID	NET-TAP-QTY	CIRCUIT QTY	CIRCUIT #	DUPLEX	QUAD	DEVICE DETAIL	FINISH	MOUNTING REF	NOTES
С	101												
NB	102					1							
NB	103					1							
С	104					2	-1						
NB	105					1							
NB	106					4	-3						
NB	107					4	-3						
NB	108					2	-1						
NB	109					4	-3						
NB	110					4	-3						

(2)-GREEN ROOM SINGLE DEVICE SCHEDULE

![](_page_27_Figure_4.jpeg)

T T	THEATRICAL LIGHTING PUSHBUTTON SCHEDULE										
DEVICE TYPE	DEVICE NUMBER	LCD-SCREEN	DEVICE DETAIL	FINISH	MOUNTING REF	NOTES					
2P	1										
2P	2										
2P	3										
2P	4										
2P	5										
2P	6										
2P	7										
2P	8										

THEATRICAL LIGHTING									
	50111	011				- 11-1 			
DEVICE TYPE	DEVICE NUMBER	<b>LCD-SCREEN</b>	DEVICE DETAIL	HSINIH	MOUNTING REF	NOTES			
5P	101								

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![](_page_27_Figure_7.jpeg)

3 PRODUCTION LIGHTING DETAIL PLAN AT DIMMER ROOM

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### OTHERWISE INDICATED. HOMERUN TO THE DIMMER RACK. ABBREVIATIONS CLR = CLEARVIF = VERIFY IN FIELD SAD = SEE ARCHITECTURAL DRAWINGS HL = HOUSE LEFT SSD = SEE STRUCTURAL DRAWINGS HR = HOUSE RIGHT SMD = SEE MECHANICAL DRAWINGS SR = STAGE RIGHT SED = SEE ELECTRICAL DRAWINGS SL = STAGE LEFT AFF = ABOVE FINISHED FLOOR SIM. = SIMILAR NIC = NOT IN CONTRACT OPP. = OPPOSITE HT = HEIGHTNTS = NOT TO SCALE TYP = TYPICAL MIN = MINIMUM RWL = RECOMMENDED WORKING LOAD MAX = MAXIMUM UON = UNLESS OTHERWISE NOTED

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LIGHTING GENERAL NOTES

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![](_page_27_Picture_58.jpeg)

### Theater – Technical Support Spaces

![](_page_28_Figure_1.jpeg)

## 'Pitlet' Representative Example

![](_page_29_Picture_1.jpeg)

Image Courtesy of: Doug Scott

### 'Pitlet' – Orchestra

![](_page_30_Figure_1.jpeg)

## 'Pitlet' – Thrust Stage

![](_page_31_Figure_1.jpeg)

## 'Pitlet' - Seating

![](_page_32_Figure_1.jpeg)

![](_page_33_Figure_0.jpeg)

4

2

1

![](_page_33_Figure_2.jpeg)

NIC = NOT IN CONTRACT HT = HEIGHT NTS = NOT TO SCALE TYP = TYPICAL MIN = MINIMUM RWL = RECOMMENDED WORKING LOAD MAX = MAXIMUM

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![](_page_33_Picture_5.jpeg)

![](_page_34_Figure_0.jpeg)

![](_page_34_Figure_1.jpeg)

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AFF = ABOVE FINISHED FLOOR

RWL = RECOMMENDED WORKING LOAD MAX = MAXIMUM

6

NIC = NOT IN CONTRACT

HT = HEIGHT

TYP = TYPICAL

SIM. = SIMILAR

OPP. = OPPOSITE

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![](_page_34_Picture_5.jpeg)