



THE MADISON CENTER FOR THE ARTS

TECHNICAL INFORMATION
UPDATED APR '21



Madison Center for the Arts - Technical Information

DIMENSIONS AND SEATING

The Main theater seats 908 people, including 8 Wheelchair seats.

Stage Dimensions:

Proscenium:

- o Width: 40'
- o Height: 20'
- o Depth: 39'6" upstage of plaster line
- o 10" downstage of plaster line at center
- Stage features a small rounded thrust

Wing Space & Loading:

- o Stage right: 20'
- o Stage left: 35'
- o Loading Door directly onto stage Stage Right, measures 10' W x 15'6" H
- o Loading dock at street level, concrete pad located between theatre and 2 lane fire lane

Orchestra Pit:

- o No orchestra pit is present. Several auxiliary spaces available for remote orchestra.

Stage Floor:

- o 40x32' Sprung Floor with aluminum rail transition
- o 2 Full Marley floors available (Black/Grey)
- o Concrete floor in wings

House Drapery:

- o House curtain-Cherry Red-two panels 50'-6" x 22' split traveler hand drawn from stage right.

Legs:

- o Black velour 50% fullness, three pair 12'-6" x 22' Black commando cloth flat

Borders:

- o Black IFR velour sewn flat, at 10' x 60'

Full Blacks:

- o Two black velour traveler curtains with 50% fullness, two panels 39'-6" x 30' at mid stage and two panels 38'-6" x 30' upstage

Scrims:

- o Black scrim 55' x 22'

Cyclorama:

- o White seamless leno-filled scrim, 60' x 21'

Linesets:

- o Entire system is an ETC Prodigy hoist system with 22 hoists overstage
 - o There are two front of house linesets acting as Front of House #1 and #2.
- o ETC Foundation HD Rigging Controller located offstage right
- o See Lineset Schedule for number of linesets, their assigned purpose, working heights and capacity.
- o Capacity of electrics and available sets varies by set and is on the schedule. Point load is 150 lbs.
- o Batten dimensions: 60' long, 1.5" SCH40 pipe

Rigging:

- Structural steel overstage can support 2 tons as a point load, and 2 tons per beam. Steel cannot support lateral loads.
- (22) 10' trusses live in the air as a pseudo-grid to create additional hang points, replacing bridling
 - o See attached diagram for home position, additional details

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LIGHTING

POWER

- One 120/208V, 200 AMP disconnect, 3-phase power feed; cam-lok connectors. Stage-Right
- One 120/208V, 400 AMP disconnect, 3-phase power feed; cam-lok connectors. Stage-Left

DIMMERS

- No dimmers present. Entire house is LED

CONTROL

- Electronic Theatre Controls GIO@5. Running IOS V.2.9.1. IOS V.3.0 can be installed upon request.
- Focus iPad available

HOUSELIGHTS

- ETC Unison control system with nine programmed presets is available. Control is individual to each fixture.

INSTRUMENTS

Intelligent LED:

- (30) ETC ColorSource Par Deep Blue
- (2) ETC Colorsource Par
 - (22) Medium Oval
 - (3) Medium Round
 - (8) Wide Oval
 - (22) Wide Round
- (8) 19° ETC ColorSource Ellipsoids with EDLT lens
- (12) 26° ETC ColorSource Ellipsoids with EDLT lens
- (35) 36° ETC ColorSource Ellipsoids with EDLT lens
- (30) 50° ETC ColorSource Ellipsoids with EDLT lens
- (2) 70° ETC ColorSource Ellipsoids with EDLT lens
- (2) 90° ETC ColorSource Ellipsoids with EDLT lens
- (7) ETC ColorSource CYC Fixtures
- (5) Martin Mac Quantum Profile

FOLLOWSPOTS

- Followspots rented per occasion

FILM, VIDEO, AND PROJECTION EQUIPMENT

Rear Projector: Barco F80, 9000 Lumens

- 23' x 30" Rear Projection Screen

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Front Projector: Christie LW551i, 5500 Lumens

AUDIO

Mixing Console

- Yamaha QL5 - 64 mono, 8 stereo in/16 mix, 8 matrix
- iPad with Yamaha QL StageMix available
- Located 85 feet from plaster line at back of house center

Speakers

- **Mains:** L-Acoustics Kiva2 arrays with SB15s for low frequency extension, and 2 KS28 center subs, all flown
- **Front fills:** (7) L-Acoustics front fills in the apron, plus (2) additional L-A X12 (switchable monitor mix/front fill)
- **Monitors:** (4) L-Acoustics X12

I/O

- House is all Dante - Rio3224 permanently installed in server room House Right with patchbay
- (1) Rio1608-D and (1) Tio1608-D
- (2) Dante AVIO 0x2 and (2) AVIO 2x0
- ***There is no snake trough***

Outboard Equipment

- 13 Shure ULX-D Wireless Rx
 - 5 ULX-D/58
 - 8 ULDX1 Beltpack
- Rackmount CD/DVD/Blu-Ray Player
- (1) Mac Mini installed at mix position
- (2) Mackie SRM150 Powered Hotspots
- (2) QSC X10.2 Active Speakers
- (2) QSC KSUB 12" Active Subwoofers

Microphones & Direct Boxes

- (4) Shure SM58
- (4) Shure SM58-S
- (7) Shure SM57
- (4) Shure SM81
- (1) Shure Beta52
- (2) Audio Technica AT875R
- (1) AKG C3000
- (4) Crown PCC160
- (9) Radial J48 Active DI
- (1) Radial PROAV1
- (2) Radial PCDI
- (9) Countryman B3
- (4) Shure WL183 Lavs
- (4) 6.5mm to TA4F adapters

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Comm

- 4 channel Wired Clear-Com (A/B and C/D - A/B also hardwired to dressing room wall panel)
- Dual channel beltacks

Paging

- Wall-mounted puck for backstage paging located near dressing rooms
- Dante paging device for backstage paging available

Assistive Listening System

- Sennheiser IR ALDs available from Front of House

WiFi and Connectivity

The Madison has hardwired and wireless networking throughout, and a public open network.

ADDITIONAL

Risers

- (10) 4'x 8' SECOA staging risers
- (8) choir risers

Wardrobe

- Washer / Dryer onsite
- (2) iron/ironing board
- (7) Wenger rolling racks

Dressing Rooms

- (2) Dressing suites, capacity 3-5 persons each.
- (2) Chorus rooms, capacity of 15 persons.
- (1) Chorus room (upstairs), capacity of 12 persons.
- All dressing rooms have toilets, sinks, showers, counters, mirrors, lights, and clothes racks. Accessible restrooms are located in the dressing rooms

Flex Space/Studio

- 60' X 40' Flexible Space immediately offstage that can be used as a dressing room, practice space, or scenery assembly area.

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PRODUCTION

PRODUCTION ROOM

There is no room devoted as a company production room. Ample auxiliary spaces are available in adjacent building and in booth area. A conference room may also be available.

STAGE MANAGER'S CONSOLE

There is no stage manager's console.

CREWS

The Center uses professional crews. All Center equipment will be set-up, operated and struck by Center's crew only. No performing group will be permitted access until their contracted time and production staff and crew is present.

ACCESSIBLE ACCESS

The center meets A.D.A. requirements for performers and patrons.

Downstage

TYP.

8

8.1

Stage
Left

Stage
Right

9

10

H

G

F

E.4

E.3

E

D.5

D

C.7

C.6

C

Lineset	Distance from Plaster Line	House Hang	WLL	Notes
1	6"	Grand Teaser	1200lbs	Variable Speed
2	1'2"	Grand Drape	1200lbs	Variable Speed
Truss 1	2'4"		See manufacturer specs	
3	3'2"	1st Electric	1500lbs	Fixed Speed
Truss 2	6'0"		See manufacturer specs	
4	7'4"	1st Border & 1st Legs	1200lbs	Variable Speed
5	8'1"		1200lbs	Variable Speed
6	10'8"	2nd Electric	1500lbs	Fixed Speed
Truss 3	11'0"		See manufacturer specs	
7	12'1"	2nd Border & 2nd Legs	1200lbs	Variable Speed
8	12'10"	MS Traveller	900lbs	Fixed Speed
Truss 4	14'4"		See manufacturer specs	
9	15'6"		1200lbs	Variable Speed
10	17'7"	3rd Electric	1500lbs	Fixed Speed
Truss 5	19'4"		See manufacturer specs	
11	20'2"	3rd Border & 3rd Legs	1200lbs	Variable Speed
12	20'11"		1200lbs	Variable Speed
13	22'6"		1200lbs	Variable Speed
Truss 6	23'4"		See manufacturer specs	
14	25'10"	4th Electric	1500lbs	Fixed Speed
Truss 7	26'5"		See manufacturer specs	
15	27'5"	4th Border & 4th Legs	1200lbs	Variable Speed
16	28'4"		1200lbs	Variable Speed
17	29'7"		1200lbs	Variable Speed
18	31'1"	5th Electric	1500lbs	Fixed Speed
Truss 8	31'9"		See manufacturer specs	
19	33'6"		1200lbs	Variable Speed
20	34'1"	Black Scrim	1200lbs	Variable Speed
21	35'0"	Upstage Traveler	900lbs	Fixed Speed
22	36'1"	Cyc	900lbs	Fixed Speed
23	-23'10"	FOH LX1	900lbs	Fixed Speed
24	-36'9"	FOH LX2	900lbs	Fixed Speed

Notes:

All truss is Tomcat 10ft TC1212-120B, hung off of 2 ton BC Beam clamps, attached using a 6ft gacflex and a 5/8" shackle
Truss sits above the physical limit of the hoists, limiting potential interference

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Madison Center for Arts
5601 N. 16th Str
Phoenix, AZ 85016

DRAWING

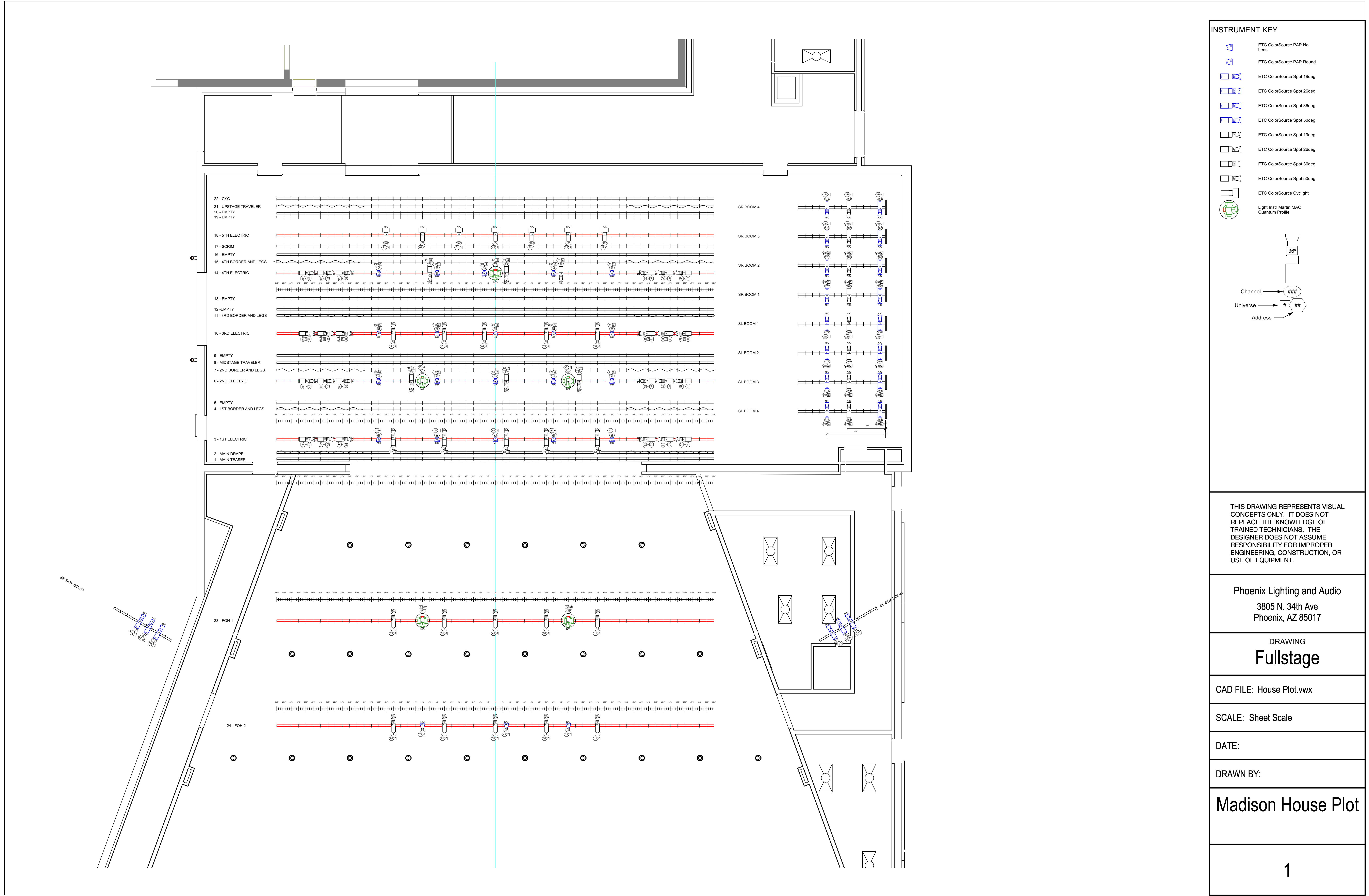
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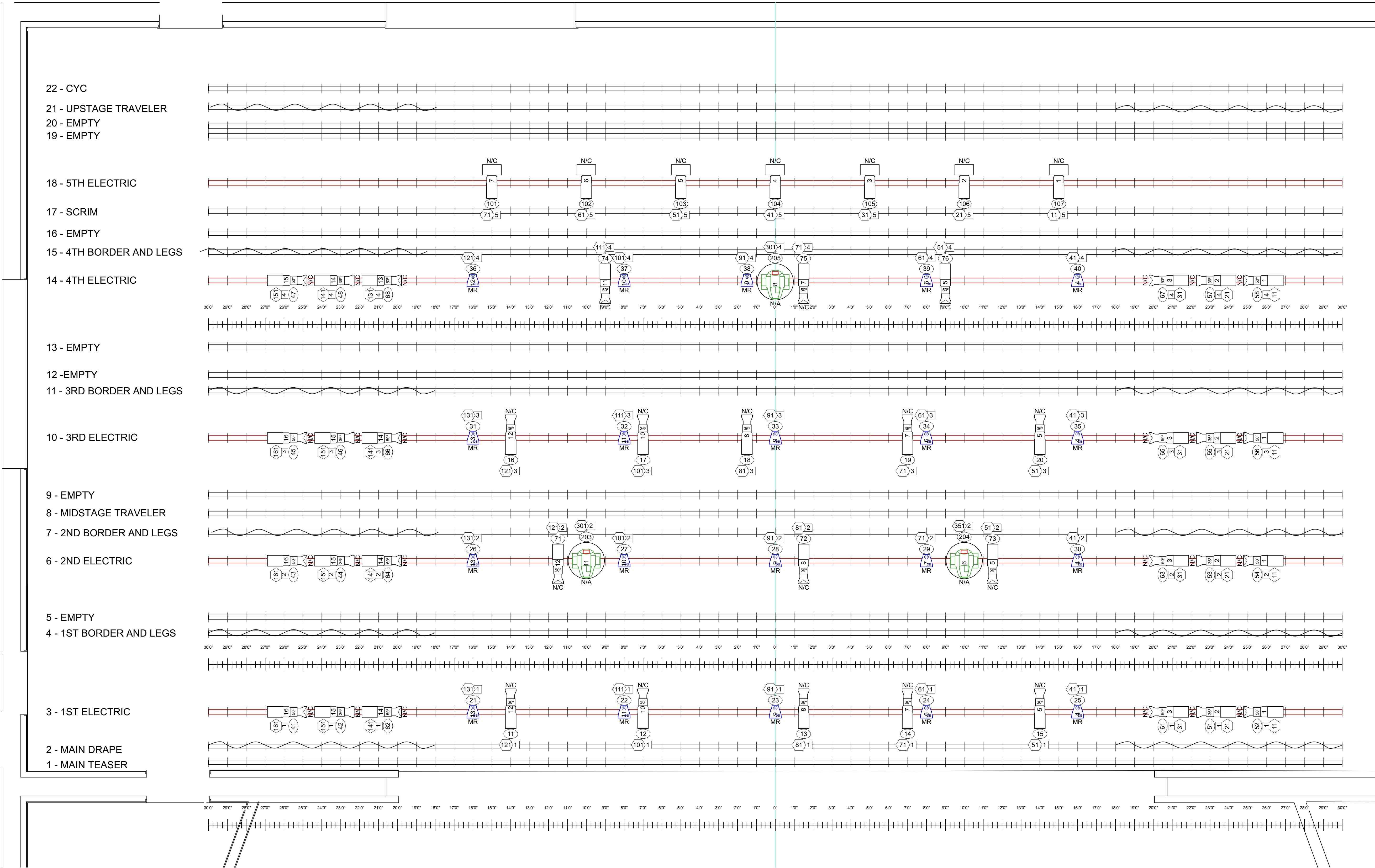
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DATE:

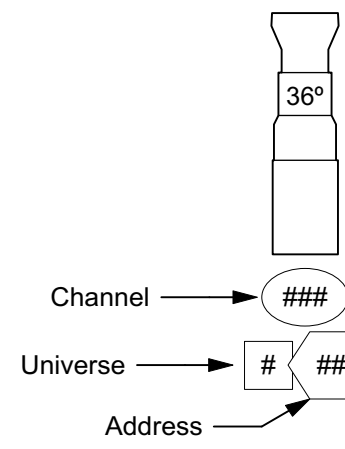
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Madison Rigging Plot





- ETC ColorSource PAR No Lens
- ETC ColorSource PAR Round
- ETC ColorSource Spot 19deg
- ETC ColorSource Spot 26deg
- ETC ColorSource Spot 36deg
- ETC ColorSource Spot 50deg
- ETC ColorSource Spot 19deg
- ETC ColorSource Spot 26deg
- ETC ColorSource Spot 36deg
- ETC ColorSource Spot 50deg
- ETC ColorSource Cyclical
- Light Instr Martin MAC Quantum Profile



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Phoenix Lighting and Audio
3805 N. 34th Ave
Phoenix, AZ 85017

DRAWING Over Stage

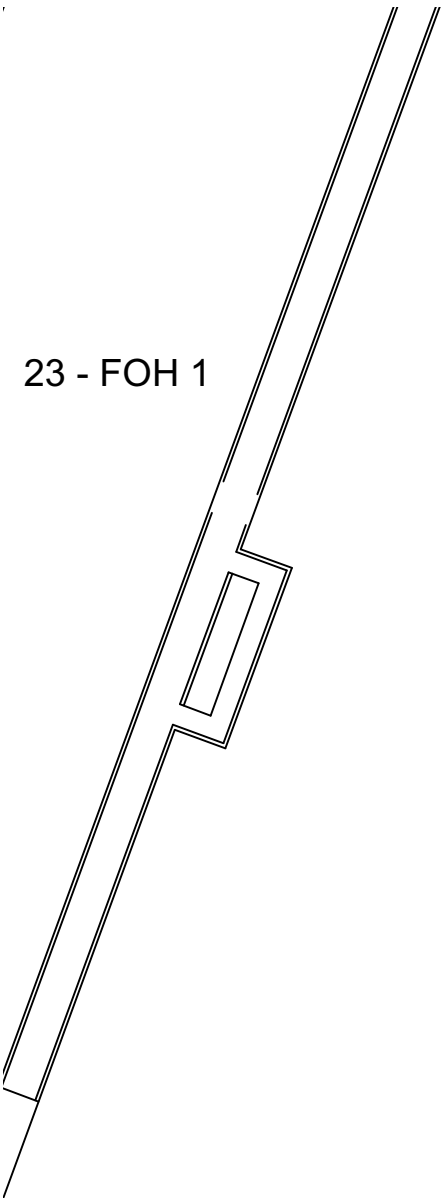
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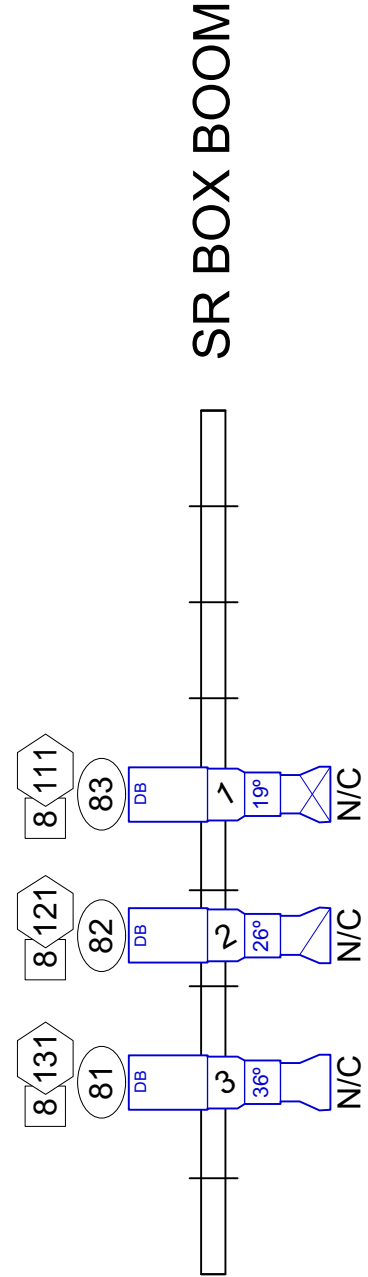
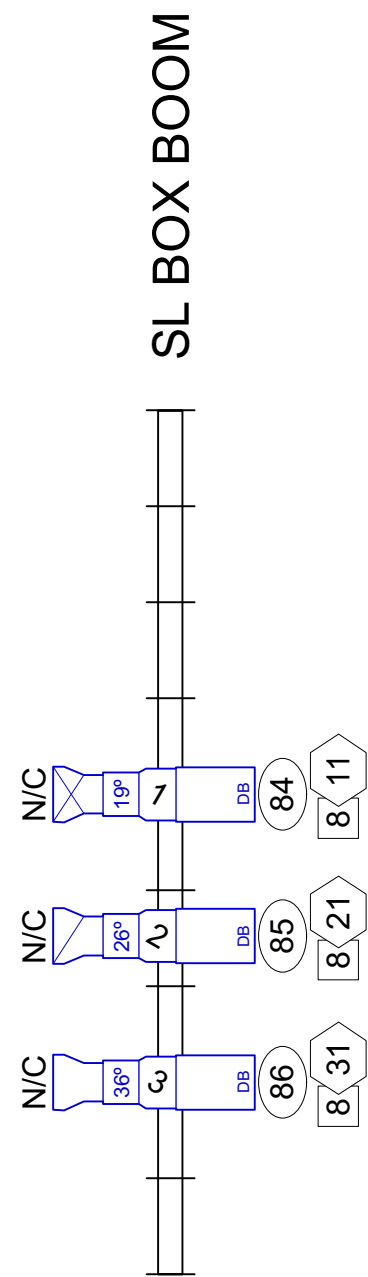
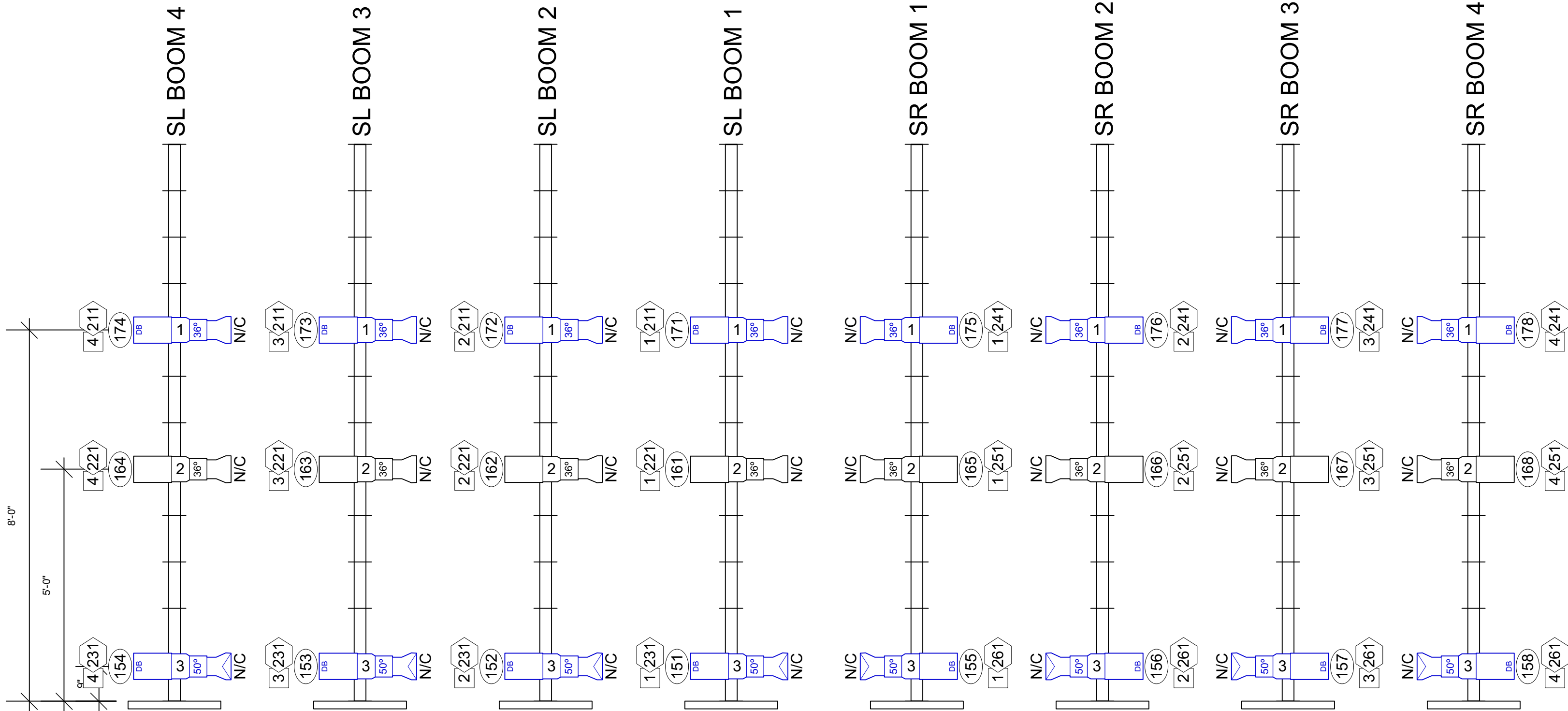
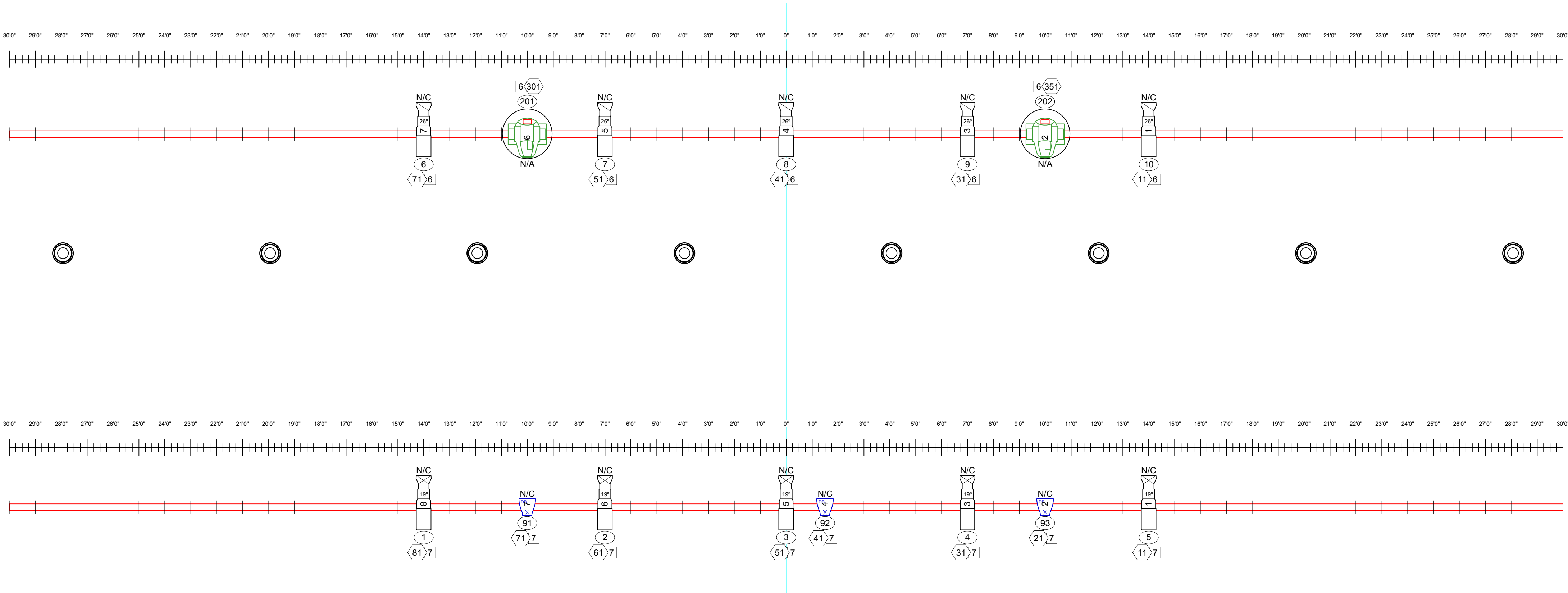
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Madison House Plot

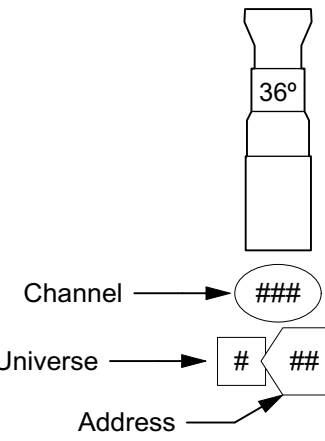


23 - FOH 1

24 - FOH 2



- ETC ColorSource PAR No Lens
- ETC ColorSource PAR Round
- ETC ColorSource Spot 19deg
- ETC ColorSource Spot 26deg
- ETC ColorSource Spot 36deg
- ETC ColorSource Spot 50deg
- ETC ColorSource Spot 19deg
- ETC ColorSource Spot 26deg
- ETC ColorSource Spot 36deg
- ETC ColorSource Spot 50deg
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DRAWING FOH/BOOMS

CAD FILE: House Plot.vwx

SCALE: Sheet Scale

DATE:

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Madison House Plot