

Cahn Inventories 7/31/15

PROSCENIUM DIMENSIONS

The building plaster proscenium is 25'h x 50'w. The Permanent Portal is 18' h x 42' w.

The Grand Drape hangs just downstage of the Permanent Portal. It is 50' wide and completely covers the Permanent Portal when flown in. Its out trim is 20' - 10"

The Fire Curtain hangs downstage of the Grand Drape. It is 52' wide and completely closes the Proscenium opening when flown in. Its out trim is 20'-6". The portion of the fire curtain that is visible is painted black.

STAGE DIMENSIONS¹

The stage is 42'-0" wide X 32'-6" deep (Portal width X depth from stage edge to lineset # 50)

Distance from stage edge to Grand Drape: 3'-0" (With Grand Drape in, stage apron is very narrow)

Distance from stage edge to face of Permanent Portal: 3'-6"

Distance from stage edge to line set #50: 32'-6"

Distance from stage edge to back wall at centerline²: 39'-5"

Lineset battens are 59'-0" long (except lines #1 - #4 which are 54'-0")

Grid Height is 49'-0" Max out trim for the Battens is 47'-6" except where noted.

The lower loading doors open to a dimension of 8'-4" w x 7'-6" h with an 11'-0" diagonal measurement.³

If the upper loading doors are open, the dimension becomes 8-4" w x 12'-10" h with a 15'-0" diagonal measurement

¹All dimensions are approximate. The exterior walls that frame the stage are not square to each other. Storage racks, lighting positions, and storage/fly system lofts jut into the wings at various heights. The dimensions in this chart are an assortment of useful dimensions given for general information. Please refer to scaled ground plans and sections as well as site visits for detailed information.

²The back wall runs at an angle. It is 43'-8.5" from the stage edge at the SL end of the permanent black portal opening, and 36'-10" from the stage edge at the SR end of the permanent black portal opening.

³It would nearly impossible to use the door to its extreme dimensions, allow at least 6" of clearance in any given direction.

ORCHESTRA PIT

The orchestra pit is 44'-0" wide and is sunk 4'-9.5" below stage level. Its DS edge is an arc, measuring 14'-9" from the stage edge at CL, and 10'-0" from the stage edge at either end.

Cahn Lighting Inventories 7/31/15

DIMMING AND CONTROL

Quantity	Item	Notes
288	ETC Sensor 2.4 Dimmers	Dimmer per circuit, (dimmer #192 does not have a circuit)
1	ETC Ion 1000 Control Console	Dust cover, mouse, keyboard
1	ETC Ion 2x10 Fader Wing	For simple show control
4	21" LCD Monitors (DVI connectors)	Widescreen format monitors
4	ETC Net3 ACN DMX/RDM - Gateway Series 4 Port Node	Net3 in - DMX out, customizable universes, flat sitting
3	ETC Net3 ACN DMX/RDM - Gateway Series 2 Port Node	Net3 in - DMX out, customizable universes, hanging hardware
1	ETC Net3 Remote Video Interface	Enables Ion monitor display at tech tables
1	ETC Unison House Light Dimming System	6 House light dimmers; Unison controllers can save looks with house and stage lights
2	Unison single button controller	DSL & inside aisle 2 entrance
2	Unison multi-function LED-screen controller	DSR & booth

INSTRUMENTS

Quantity	Type	Make	Lamp Types	Max Wattage
2	5 degree	ETC Source Four	HPL 575 or HPL 750	750
2	5 degree (barrel only)	ETC Source Four		
2	10 degree	ETC Source Four	HPL 575 or HPL 750	750
2	10 degree (barrel only)	ETC Source Four		
34	14 degree	ETC Source Four	HPL 575 or HPL 750	750
2	14 degree (barrel only)	ETC Source Four		
49	19 degree	ETC Source Four	HPL 575 or HPL 750	750
92	26 degree	ETC Source Four	HPL 575 or HPL 750	750
88	36 degree	ETC Source Four	HPL 575 or HPL 750	750
9	50 degree (barrel only)	ETC Source Four		
37	Parnel	ETC Source Four	HPL 575 or HPL 750	750
1	Fresnel - wide lens	ETC Source Four	HPL 575 or HPL 750	750
36	PAR 64	Altman	PAR 64 VN5P, NSP, MFL, WFL	1000
40	8 inch Fresnel	Kliegl	BVT 1K	1000
5	Pin Spot	American DJ	Par 36 screw terminal	12v/50w and 6v/30w
7	3-Cell Cyc lights	Selecon Aurora	FFT 1K	1250
6	3-Cell Cyc lights w/ Floor trunnions ²	Strand Iris 3	FFT 1K	1500
2	Superstar 1.2 Spotlights	Lycian	UMI 1200/HB-U	1200

²Iris 3 Units are 13"x8"x48". Floor trunnions allow use as ground row. Hanging irons available.

LED INSTRUMENTS

Quantity	Make	Model	Notes
20	Philips-Color Kinetics	Colorblast 12 Powercore	C-clamp attached
20	Philips-Color Kinetics	Colorblast 12 Powercore	Floor mounted in pairs
4	Philips-Color Kinetics	Data Enabler Pro	Power and data for Colorblasts. Edison connectors for power, ethernet connectors for programming, DMX connectors for data in, and NL4 connectors for data out.
22	Custom	Spider boxes	Split NL4 connections 4 ways for daisy-chaining fixtures. Some are loose, some have hanging hardware, some are mounted to floor mounts
14	Neutrik	NL4MMX	NL4 F-F couplers
18		5' NL4 cable	
3		10' NL4 cable	
5		25' NL4 cable	
4		50' NL4 cable	
140	Philips-Color Kinetics	iW Cove Powercore	
6	Philips-Color Kinetics	Data Enabler Pro	Power and data for iW Cove Powercore. Edison connectors for power, ethernet connectors for programming, DMX connectors for data in, and connectors for data out.
Various	Philips-Color Kinetics	iCove cable	Small number of short iCove jumpers, 1' and 5' lengths.

ACCESSORIES

Quantity	Size	Item	Notes
20	6.25" - S4 Leko	1/2 Hat	11 standard, 9 Stacker style
23	6.25" - S4 Leko	Top Hat	9 standard, 14 Stacker style
28	7.5" - S4 Parnel	1/2 Hat	Stacker style
25	7.5" - S4 Parnel	Top Hat	2 standard, 23 Stacker style
15	7.5" - S4 Parnel	Barn Door	
14	10" - Par 64	1/2 Hat	
10	10" - Par 64	Top Hat	
12	10" - Par 64	Barn Door	
19	A	S4 gobo Holder	
90	B	S4 gobo Holder	
13	6.25" - S4 Leko	Donut	
5	7.5" - S4 Parnel	Donut	
6	1/2"	Bearing washer sets	For S4 mounted as spotlight
4	S4 Leko	Drop In Iris	For S4 mounted as spotlight
6	S4 Leko	Spotlight handles	For S4 mounted as spotlight
4		Telrad SpotSights	For S4 or Lycian spotlights
15	8"	Circular floor bases	For mounting a single instrument
5	24" diameter	1.25" Pipe boom bases	
4	24" diameter	1.5" Pipe boom bases	
Various	1.25" & 1.5"	Pipe for booms bases	Assorted lengths, contact Cahn for specifics

ACCESSORIES cont.

Quantity	Size	Item	Notes
35	24"	Heavy Duty Side Arms	Mounting pipe is 1.5" ID. 28 are permanently mounted in Box Booms, Pro Booms, Torms
8	18"	Heavy Duty Side Arms	
13	12"	Heavy Duty Side Arms	
26	24"	Standard Sidearms	
4	18"	Standard Sidearms	
12	12"	Standard Sidearms	

CABLE

Quantity	Size	Item	Notes
5	Less than 5'	Cable (Twist connectors)	Beige straps
30	5'	Cable (Twist connectors)	Beige straps
41	10'	Cable (Twist connectors)	Red straps
34	15'	Cable (Twist connectors)	Yellow straps
20	20'	Cable (Twist connectors)	Gray straps
18	25'	Cable (Twist connectors)	Lt. Blue straps
16	30'	Cable (Twist connectors)	Dk. Blue straps
32	50'	Cable (Twist connectors)	Burgundy straps
6	100'	Cable (Twist connectors)	Purple straps
4	100'	6 Circuit multi-cable	
9	50'	6 Circuit multi-cable	
13	3-6'	6 Circuit Break Outs	Multi Cable to F- Twist
4	3'	6 Circuit Break Ins	Multi Cable to M- Twist
2	80'	10 Circuit multi-cable	Twist tails on M end, raceway with doubled circuits on F end
40	3'	Twist Two-fer	F on one end, 1 F, 1 M on other end ¹
44	3'	Twist Two-fer	M on one end, 2 F on other end
9	3'	Twist Three-fer	M on one end, 3 F on other end
2	18"	Two-fer	M Stage Pin to 2 F Twist two-fer
13	12" - 18"	M Twist to F Edison adapter	
13	12" - 18"	M Edison To F Twist adapter	
12	12" - 18"	M Twist to F Stage Pin adapter	
8	12" - 18"	M Stage Pin to F Twist adapter	
3	12" - 18"	M Stage Pin to F Edison adapter	
3	12" - 18"	M Edison to F Stage Pin adapter	

¹2-fers are wired this way so as the circuit is split it is sent in opposite directions.

Twist = twist lock connector (L5-20, Pin-in style), Edison = 3 prong household type connector; Stage Pin = 2P&G connectors. All connectors are 20amp connectors

Cahn Sound Inventories 7/31/15

CONTROL

Quantity	Make	Model	Notes
1	Yamaha	M7CL-48	Digital Console. 48 Mic/Line inputs, 4 Stereo ins, 16 Omni Outputs, 8 DCAs, Onboard DSP
1	Mackie	1604-VLZ3	Analog Console. 16 Mic/Line inputs, L&R main outs, 4 Group outs, 6 Aux sends

SPEAKERS

Quantity	Make	Model	Notes
6	Meyer	UPQ-1P	Mounted as three pairs, L, C, & R. Center pair share one channel of signal from DSP. L & R pairs each receive separate DSP channel
8	Meyer	MM4XP	Mounted to Orchestra Pit railing as Front Fill System. One send from console. Powered by Meyer MPS-488E power supply.
3	EAW	JF 80	Mounted to the ceiling as balcony fills. All three are powered by one channel of a Crown MacroTech 1200 power amp.
2	Community	SB 415	These subwoofers contain 4 15" drivers each, they are located in the organ lofts, and each is powered by two bridged channels of a Crown MacroTech 1200 power amp.
2	Electro-Voice	S-122	Two-way speakers located onstage, typically used for onstage monitors or effects speakers. Usually each powered by one channel of a Rane MA6 power amp.
3	JBL	Control One+	Used as stage lip or effects speakers.
4	QSC	K8	1000 watt Self Powered speakers, for monitors, effects

AMPLIFIERS

Quantity	Make	Model	Notes
3	Crown	MacroTech 1200	These power the Subs and Balc fills. One channel is free and assignable.
1	Crown	MacroTech 600	This can power effect speakers.
1	Rane	MA6 Multi channel	This is patchable to power effects speakers. Jacks for effects speakers are distributed throughout the auditorium.

SIGNAL CONTROL & PROCESSING

Quantity	Make	Model	Notes
1	Meyer	Galileo	Full function DSP.
1	Unknown	Patch Bay	Patch Bay for the numerous microphone and speakers jack distributed throughout the auditorium. Accommodates an I/O panel in the booth for linking extra gear to the system.
2	Rane	ME15 2 channel Equalizer	Provides EQ manipulation for the four channels of monitor/effects amplifiers.
1	Yamaha	SPX990 Effects processor	Older unit

MICROPHONES

Quantity	Make	Model	Notes
2	Shure	SM58 - ULXD2 wireless handheld	Labelled 1A and 1B. Shared receiver with 1A and 1B lavalieres
2	Shure	ULXD1-J50 lavalier microphones	Labelled 1A and 1B. Shared receiver with 1A and 1B handheld microphones
2	Shure	ULX1-J1 lavalier microphones	Labelled 2A and 2B
1	Shure	SM58 - SLX2 wireless handheld	Labelled 3A.
1	Shure	Beta58 handheld wireless	Wireless dynamic handheld. 200 Mhz band. Commonly used as God mic. Labelled 3B.
8	Shure	SM58	Wired, dynamic, handheld microphones, 1 with switch
3	Countryman	ISOMAX4	Gooseneck podium mics. Condenser mics, phantom power
4	Crown	PCC 160	Phase Coherent Cardioid Boundary mics - Floor mics
4	Audio Technica	U853R	Hanging Choir mics
1	Audio Technica	ATM610	Hyper Cardioid dynamic wired handheld microphone.

PLAYBACK

Quantity	Make	Model	Notes
2	ProCo	iFace	DI boxes designed to connect laptops, MP3 players, etc to system (RCA inputs)
4	ProCo	DB-1	DI boxes designed to connect instruments to system (1/4" inputs)

COMMUNICATIONS

Quantity	Make	Model	Notes
1	Clear-com	HelixNet HMS4X	4 channel digital base station, commonly used by SM at tech table or in lighting booth
12	Clear-com	HBP-2X	Assignable two channel digital wired belt pack.
1	Clear-com	Tempest 900	Wireless base station. Mounted DSR.
5	Clear-com	Tempest 900	Two channel wireless belt pack.
12	Clear-com	CC95 & CC300	Single muff headset, plugs into belt pack.
10	Telex	PH-88	Lightweight single muff headset, plugs into belt pack.
2	Clear-com	RS-501	Phone handset style headset, plugs into belt pack.

VIDEO & PROJECTIONS

Quantity	Make	Model	Notes
1	Videotek	VDA-16 video distro amplifier	Functions much like a patch bay for the 20 video ports distributed throughout the auditorium. Several ports are dedicated to a digital stage feed.
1	Panasonic	PT-DZ13KU	Projector. Permanently mounted to balcony rail.
1	Panasonic	ET-D75LE30	Zoom lens
1	Sanyo	PLC-XP57L	Backup projector. Previously mounted to balcony rail.

Cahn Lineset Schedule and Rigging Information 7/31/15

GENERAL INFORMATION

Grid Height is 49'-0" Max out trim for the Battens is 47'-6" except as where noted.
Battens on line sets #1 - #4 are 54'-0" long.
Battens on line sets #5 - #50 are 59'-0" long.
Battens on linesets 17, 18, 21, 30, 34, and 40 have double mounted pipes (two pipes running in parallel for added strength). This decreases the maximum out trim as noted.
Battens on either side of the electrics have decreased maximum out trims to accommodate the size of the motors.
All line sets have 6' arbors except the permanent electrics (#4, #16, #27, & #39) which are motorized.
6' arbors support 1000 lbs.
Motorized permanent electrics support 2000 lbs.
A note about linesets: as shown below, many of the linesets are set very near to each other, as close as 4". The reasoning behind this is to provide linesets in as many useful locations as possible, not to provide the ability to hang 50 separate items. It is not to be assumed that two linesets 4" apart can both be used at the same time.

PROSCENIUM DIMENSIONS

The building plaster proscenium is 25'h x 50'w. The Permanent Portal is 18' h x 42' w.
The Grand Drape hangs just downstage of the Permanent Portal. It is 50' wide and completely covers the Permanent Portal when flown in. Its out trim is 20' - 10"
The Fire Curtain hangs downstage of the Grand Drape. It is 52' wide and completely closes the Proscenium opening when flown in. Its out trim is 20'-6". The portion of the fire curtain that is visible is painted black.

Lineset	Distance US from plaster line ¹	Notes
1	1'-0"	Grand drape permanently hung on line #1 - DOUBLE PURCHASE LINSET
2	1'-6.5"	Permanent black portal
3	2'-11"	Almost impossible to use, no room between portal and 1st Elec. Out trim: 42'-7".
4	3'-6.5"	First electric
5	4'-8"	Open (tight past 1st elec). Out trim 42'-7".
6	5'-1"	Open
7	5'-6"	Open
8	6'-4"	Open
9	7'-1"	Open
10	7'-7"	Open
11	8'-2"	Open
12	8'-7.5"	Open
13	9'-3"	Open
14	9'-7.5"	Open
15	10'-2"	Front projection screen. Out trim: 42'-7".
16	11'-1"	Second electric
17	12'-0"	Open. Double hung. Out trim: 41'-11".

Lineset	Distance US from plaster line ¹	Notes
18	12'-5"	Open. Double hung. Out trim 46'-10".
19	13'-2"	Open
20	13'-7"	Open. Out trim 42'-4".
21	14'-1.5"	Open. Double hung. Out trim 46'-10".
22	14'-7"	Open
23	15'-2"	Open
24	15'-6"	Open
25	16'-5"	Open
26	17'-2"	Open. Out trim 42'-4".
27	18'-2"	Third electric
28	19'-1.5"	Open. Out trim 42'-4".
29	19'-8"	Open
30	20'-2"	Open. Double hung. Out trim 43'-8".
31	20'-7.5"	Open. Out trim 44'-4".
32	21'-2"	Open
33	21'-7"	Open
34	22'-2"	Open. Double hung. Out trim 46'-10".
35	22'-8"	Open
36	23'-1.5"	Open
37	23'-6.5"	Open
38	24'-0.5"	Open. Out trim 42'-7".
39	25'-0.5"	Fourth electric
40	26'-2"	Open. Out trim 42'.
41	26'-6"	Open
42	26'-10"	Open
43	27'-2"	Open
44	27'-6"	Open
45	28'-3.5"	Open
46	29'-0"	Open
47	29'-5"	Open
48	29'-9"	Open
49	30'-2"	Open
50	30'-6"	White cyclorama (22'h x 60' w)

¹Margin of error: + or - 1"

Cahn Soft Goods Inventory 7/31/15

DRAPES

Quantity	Type	Material	Size	Notes
4	Border	28oz Black Charisma IFR	58'-0"w X 8'-0"h	Purchased in Summer 2005. No Fullness sewn in
2	Legs	28oz Black Charisma IFR	8'-6"w X 23'-0"h	Purchased in Summer 2005. No Fullness sewn in
10	Legs	28oz Black Charisma IFR	12'-10"w X 23'-0"h	Purchased in Summer 2005. No Fullness sewn in
2	Full stage Black	28oz Black Charisma IFR	30'-3"w X 23'-0"h	Purchased in Summer 2005. No Fullness sewn in, used together as Full Stage Traveller
1	Scrim	Black Sharkstooth	48'-0" w x 24'-0" h	Purchased in 2008
1	Scrim	Black Sharkstooth	48'-0" w x 24'-0" h	Purchased in 2010
2	Full stage Purple	28oz Eggplant Charisma IFR	45'-0" w x 24'-0" h	Purchased in Summer 2009. No Fullness sewn in, used together as Full Stage Traveller
1	White Cyc	Muslin	58'-0" w x 24'-0" h	Purchased in 2007. Seamless Muslin cyclorama
1	Scrim	Black Sharkstooth	48'-0" w x 24'-0" h	Purchased circa 2000 This Scrim is in poor condition

MISC SOFT GOODS

Quantity	Color	Size (w x h)	Notes
2	Light blue & yellow vertical stripes	24'9" x 21'4"	Has metal hooks for hanging. Fullness sewn in.
2	Gold lamé	33'6" x 23'	Sewn flat.
2	Black (not our normal full stage black)	32' x 22'	Has metal hooks for hanging. Flame-proofed 12/17/13. Fullness sewn in.
2	Royal blue	34' x 21'6"	Originally sewn with fullness but stitching has been removed.
2	Canary yellow	44'3" x 21'6" (32/34' w with fullness)	Originally sewn with fullness but stitching has been removed on one of the pieces.
2	Purple	45'0" x 24'0"	Newer. Sewn flat.
2	Red	Approx 45'x24'	Lined. Fullness sewn in.
3	Purple & grey		These are not full curtains. The purple is full height (about 22') and four fabric widths (approx. 16' wide when laid flat). There are two greys, each full height and about 2 fabric widths. We use these primarily for commencement events or speeches.
2	Orange	Approx 45'x24'	

