

# HELL'S KITCHEN

1st National Tour

## Automation Bid Sheet v1.0

Eff No.	EFFECT	PREP	WEEKLY	Notes
DECK				
1	#1 Track - Full Stage			Full Stage, 1 Effect, 4fps
2	#1 SR - Half Stage Track			Half Stage Track, 1 Effect, 4fps
3	#1 SL - Half Stage Track			Half Stage Track, 1 Effect, 4fps
4	#2 SR - Half Stage Track			Half Stage Track, 1 Effect, 4fps
5	#2 SL - Half Stage Track			Half Stage Track, 1 Effect, 4fps
6	In-3 Balcony - Full Stage Track			Full Stage, 1 Effect, 4fps, Driven from Deck
7	IN-2 SL Slider			Overhead Track, 4.5 fps (miniwinch)
8	IN-2 R Slider			Overhead Track, 4.5 fps (miniwinch)
<b>DECK SUBTOTAL</b>		-	-	
<b>GRAND TOTAL</b>		-	-	

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## AUTOMATION

- Automation bids shall include a description of the equipment to be used for the effects, and a description of the control system to be employed. Computer control system must have the following:
  - Computer control and local control (by-passing the processing unit, but not at the winch).
  - All control to be able to be located in one area.
  - Computer to have a complete backup system in the event of a computer crash.
  - An "E" stop system that will immediately bring all automated effects to a stop in case of emergency.
  - Position feedback from the winches should be from a primary encoder to the computer, and a secondary encoder to the local control unit.
  - Positioning accurate and repeatable to 1/8<sup>th</sup> of an inch.
  - "Conditionals" easily programmable on the computer system (i.e. one cue must be able to be triggered prior to the completion of the previous cue).
  - Programming in measurements of distance (feet/inches) and time (seconds).
  - Manual control at the individual winches must also be available as a last resort during a performance.
- Shop to provide an additional monitor of the computer system at the production table during technical rehearsals in the tech city at no cost to the production. This monitor must display the cue list, and the status of each effect. (Mirroring the screen that the operator views).
- Unless otherwise noted, bid flying effects to operate at a maximum speed of 6 ft/sec. Winches for deck tracks to operate at a maximum speed of 4 ft/sec unless otherwise specified.
- Space requirements for the control system shall be included with the bid.
- Automation shop must provide necessary rigging and hardware (i.e. loft blocks, cables, headblocks, oversize arbors, turnbuckles, counterweight, mule stands, mule heads, cribbing etc.).
- Automated scenery must be shown to work as specified in the design drawings. In cases where the automation vendor and the vendor supplying the scenery are not the same, a schedule and location for the test will be worked out between the two vendors and the Production Manager.
- The shop will supply training to the show automation operator at its facility prior to load out of the automation equipment at no cost to the production.
- A qualified technician-supervisor shall be available to be in the theatre for load in, tech, preview and press performance periods at no cost to the production.
  - Automation shop will be prepared to provide rigging and automation supplies on the first day of rigging. The delivery schedule must be approved by the Production Manager.
  - All system components shall be engineered to comply with recommended construction codes and industrial safety factors to ensure a safe working environment.

### General Notes on Deck Tracks

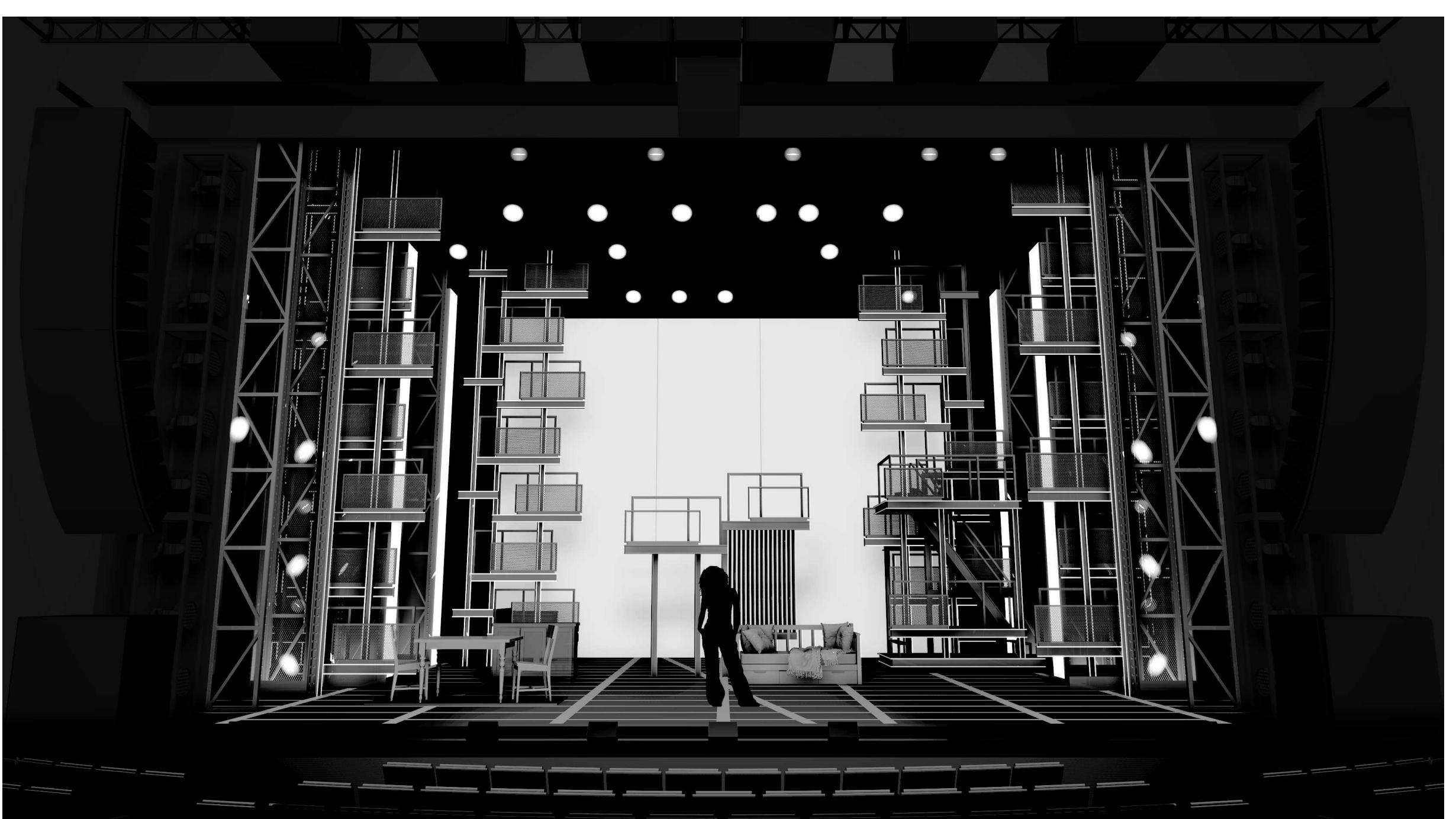
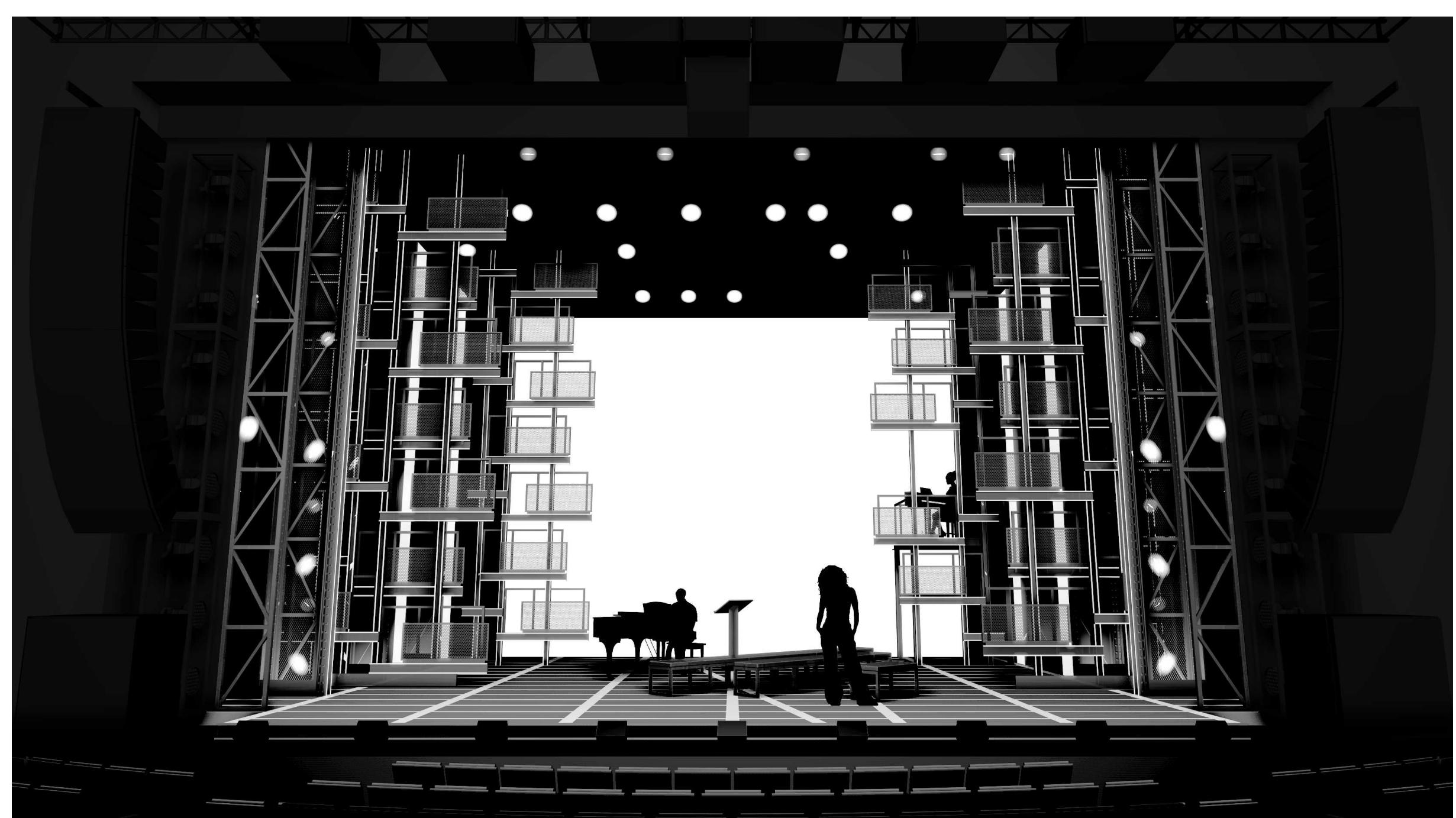
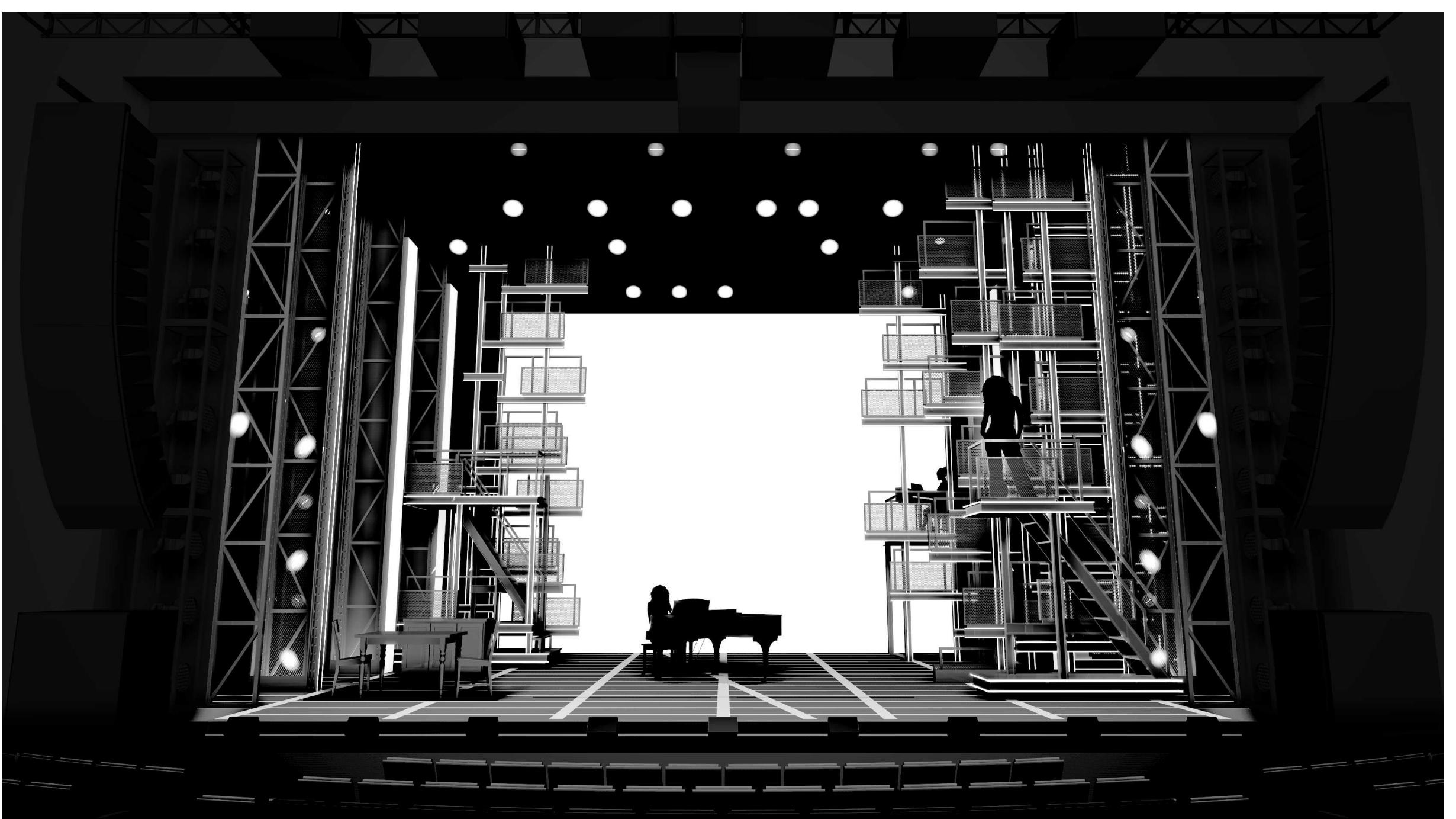
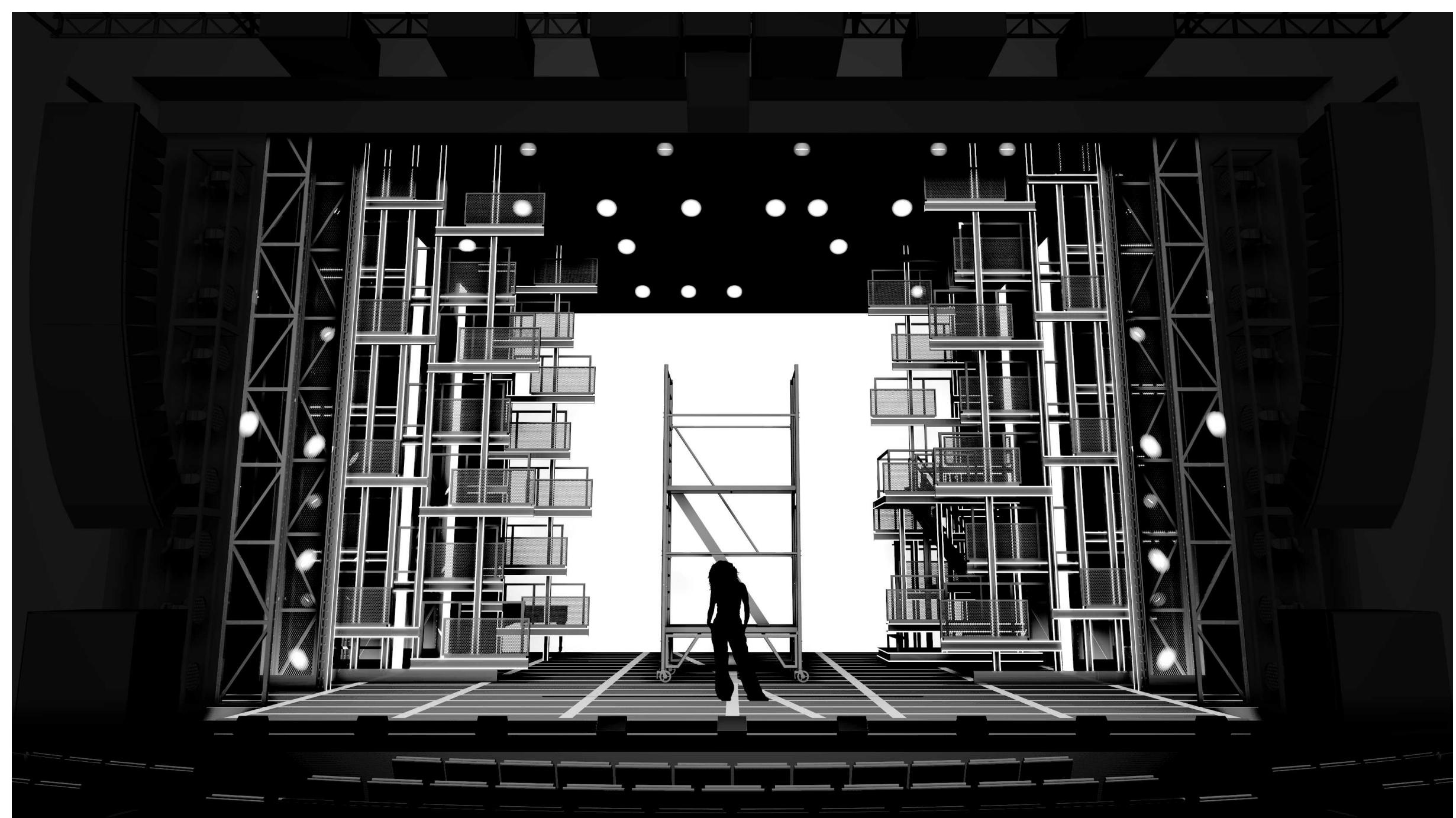
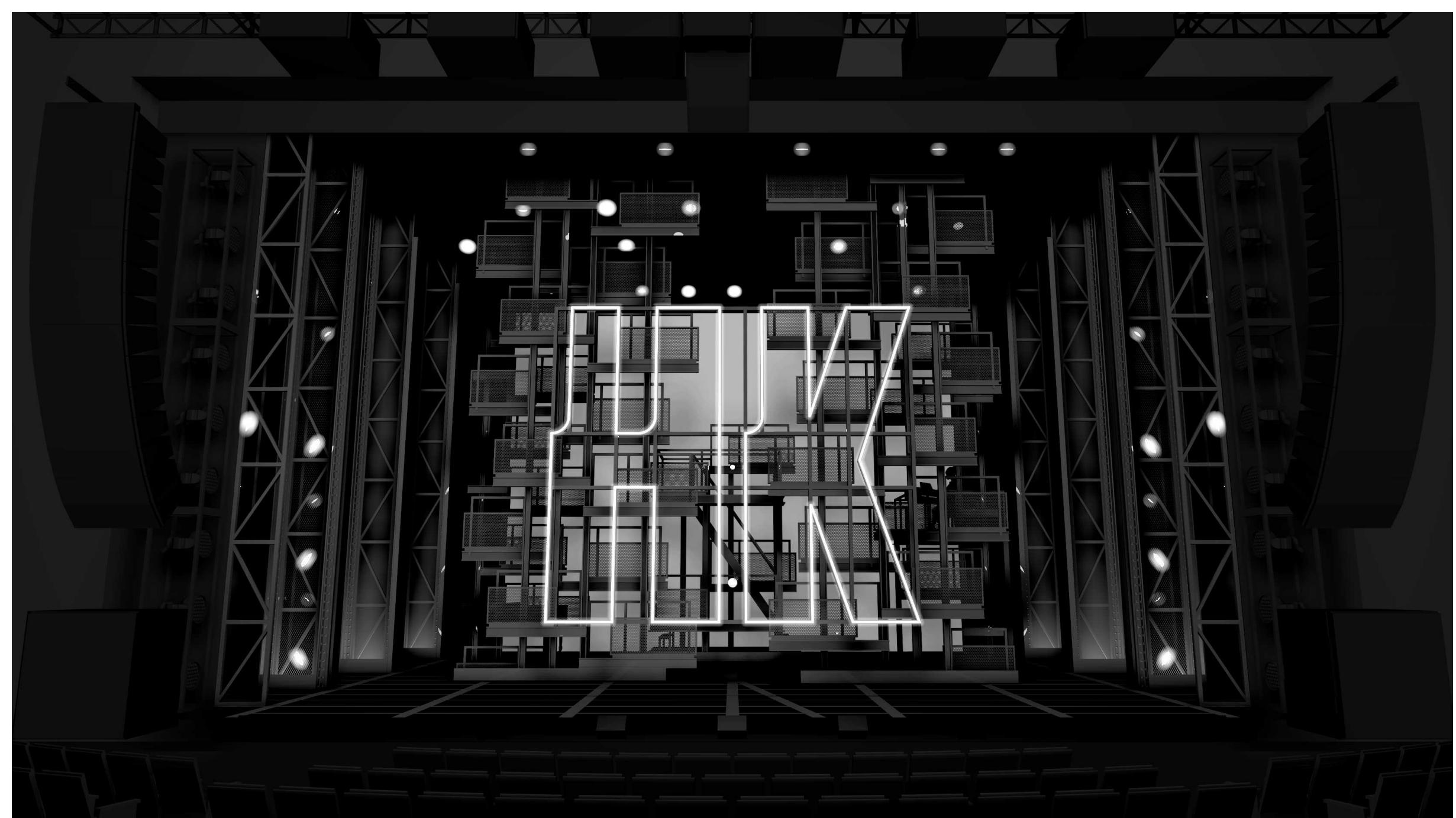
- The Show Deck must be setup and completely rigged at the shop, including a load test of each effects.
- Provide only Korean or domestic wire rope for drive lines, unless otherwise noted.
- Track tunnels should be designed with a "floating dog". A "skating dog" that rides on the bottom of the track is not acceptable. The dog should ride in a UHMW or similar track lifted off the bottom of the track tunnel.
- Dogs should have a set screw style attachment to the drive line.
- Any removable deck track lids must be fastened with flat head machine screws, to a tapped plate. Wood screws or lags are not acceptable for attaching deck or trap lids.

THIS DRAWING REPRESENTS VISUAL CONCEPTS AND DESIGN SUGGESTIONS ONLY. THE DESIGNER IS RESPONSIBLE TO DETERMINE THE STRUCTURAL APPROPRIATENESS OF THE DESIGN AND ITS FEASIBILITY FOR IMPROPER ENGINEERING CONSTRUCTION OR USE. ALL MATERIALS USED IN CONSTRUCTION MUST MEET THE MOST STRINGENT LOCAL SAFETY FIRE CODES.

REVISIONS  
12.12.24 SCENIC BID  
04.08.25 APT FLY REV  
04.12.25 REV PLAN & SEC  
04.12.25 APT FLY REV 2  
04.28.25 DESIGN RELEASE



PLATE	DRAWING	SCALE
00	COVER	NTS
01A	GROUND PLAN	1/2" = 1'-0"
01B	OVERHEAD PLAN	1/2" = 1'-0"
02	SECTION	1/2" = 1'-0"
03	SHOW DECK	1/2" = 1'-0"
04	SHOW PORTAL	1/2" = 1'-0"
05	I-BEAM LEGS	1/2" = 1'-0"
06	SL BAND PLATFORM	1/2" = 1'-0"
07	HK SHOW DROP	1/2" = 1'-0"
08	IN1 BALCONY	1/2" = 1'-0"
09	IN2 SR SLIDER	1/2" = 1'-0"
10	IN2 SL SLIDER	1/2" = 1'-0"
11	APARTMENT FLYING UNIT	1/2" = 1'-0"
12	IN3 BALCONY	1/2" = 1'-0"
13	USR HANGER	1/2" = 1'-0"
14	USL HANGER	1/2" = 1'-0"
15	SCAFFOLD	1" = 1'-0"
16	ROLLING LADDER	1" = 1'-0"
17	US LED WALLS & LED HEADER	1/4" = 1'-0"
18	MASKING	1/4" = 1'-0"



REMEMBER WHERE DREAMS BEGAN.  
**HELL'S KITCHEN**  
A NEW MUSICAL FROM ALICIA KEYS

NORTH AMERICAN TOUR  
**HELL'S KITCHEN**  
DIRECTED BY MICHAEL GREIF  
SET DESIGNED BY ROBERT BRILL

Robert Brill Design  
917.533.4421  
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robertbrilldesign.com

ASSOCIATE SET DESIGNER MIKE KAUKI  
347.620.4566  
mikauki@design@yahoo.com

RENDERS &  
DRAWING  
SCHEDULE  
DATE: 04.28.25  
SCALE: NTS  
DRAWN BY: MK  
SHEET SIZE: 36X48

SHEET:

**00B**





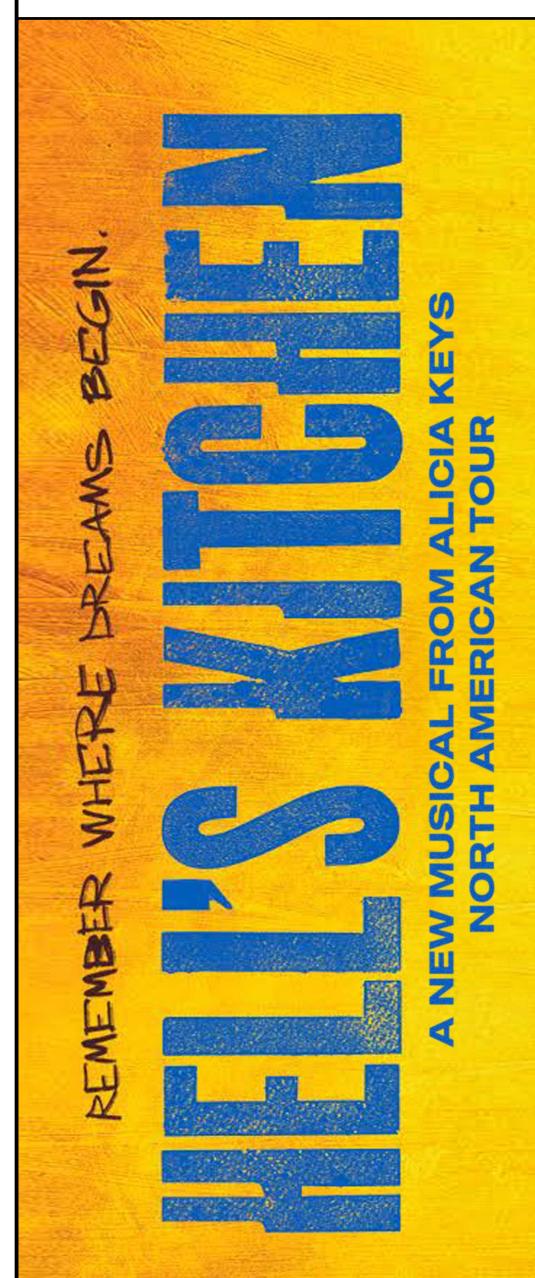
S.D. 1153  
SCENIC DESIGNER

*[Handwritten signature]*

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- 04.08.25 APT FLY REV
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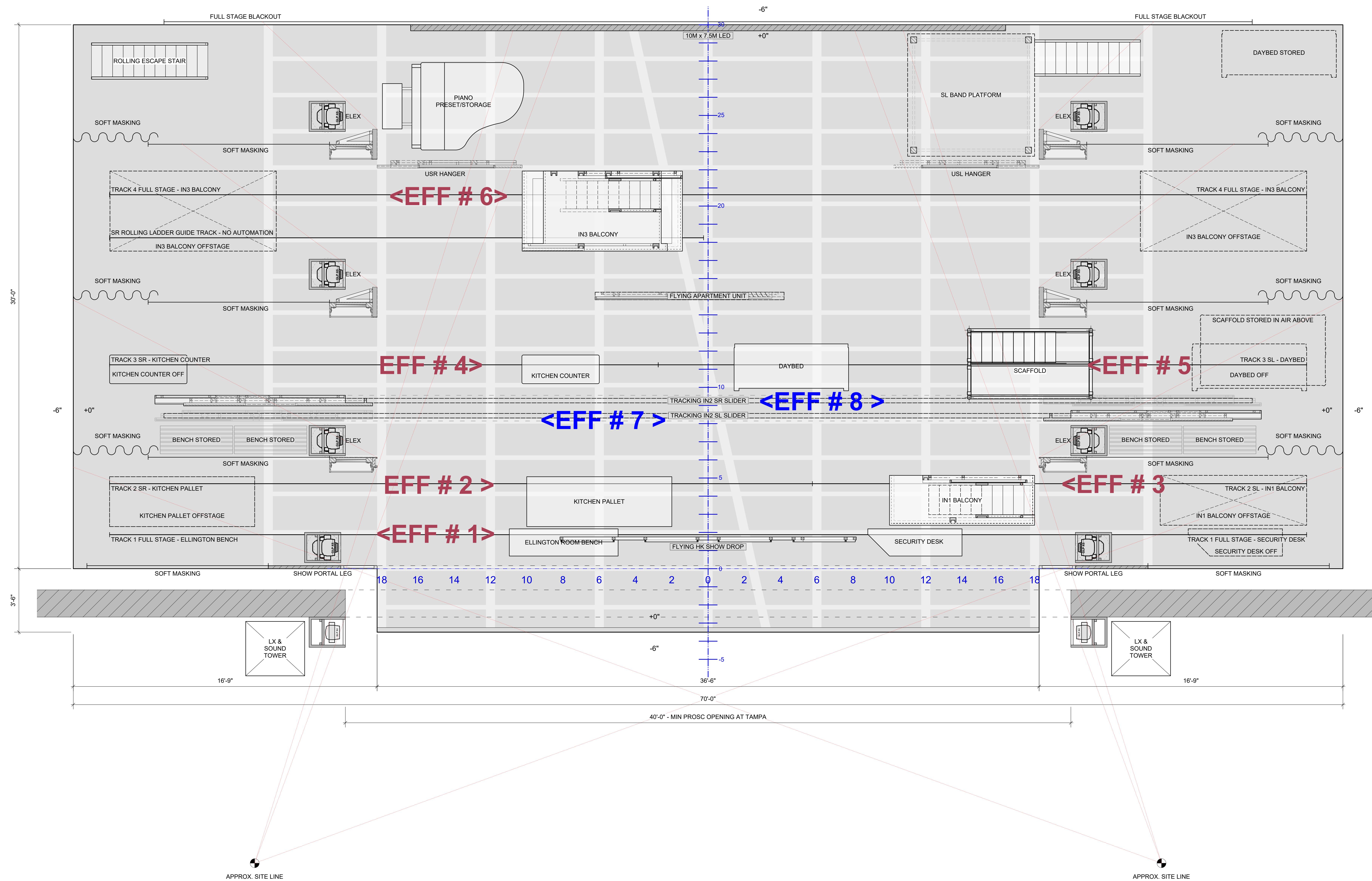
ASSOCIATE SET DESIGNER  
MIKE KAUKI  
347.620.4566  
mikauki@yahoocom

#### GROUND PLAN

DATE: 04.28.25  
SCALE: 1/2" = 1'-0"  
DRAWN BY: MK  
SHEET SIZE: 36X48

SHEET:

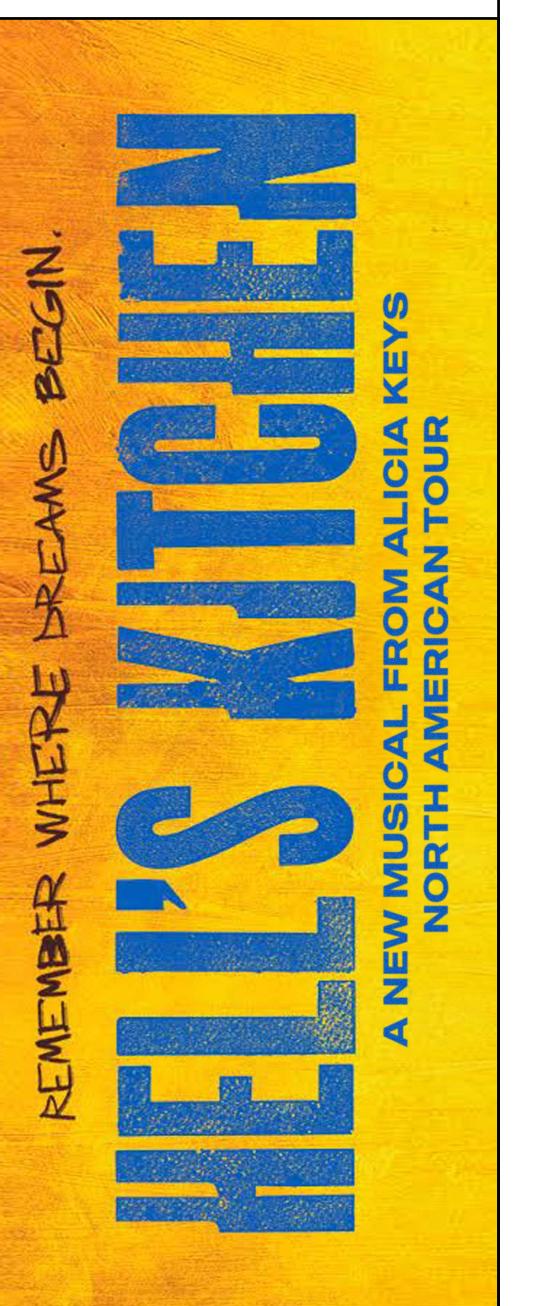
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**SECTION**

DATE: 04.28.25  
SCALE: 1/2" = 1'-0"  
DRAWN BY: MK  
SHEET SIZE: 36X48

SHEET:

02

