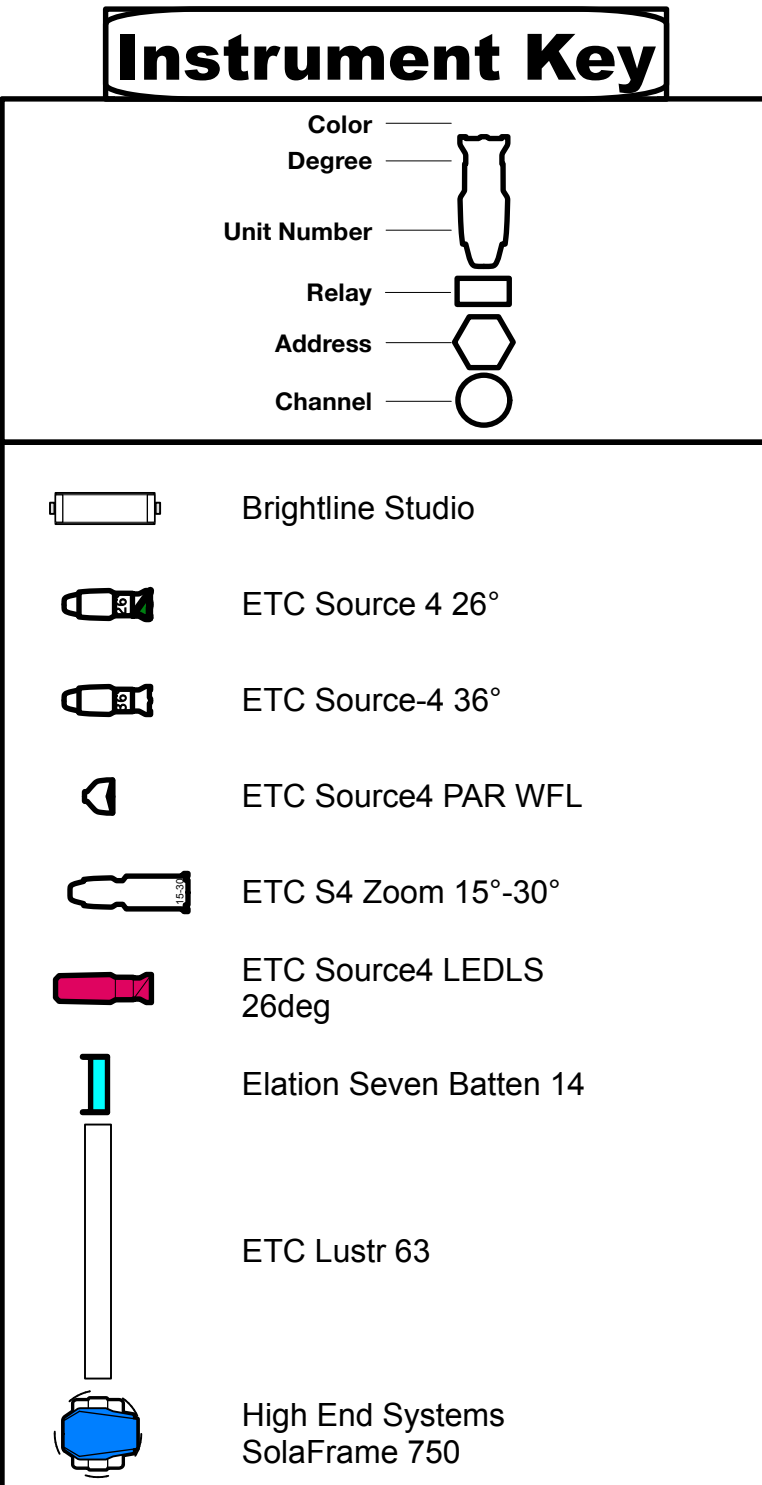
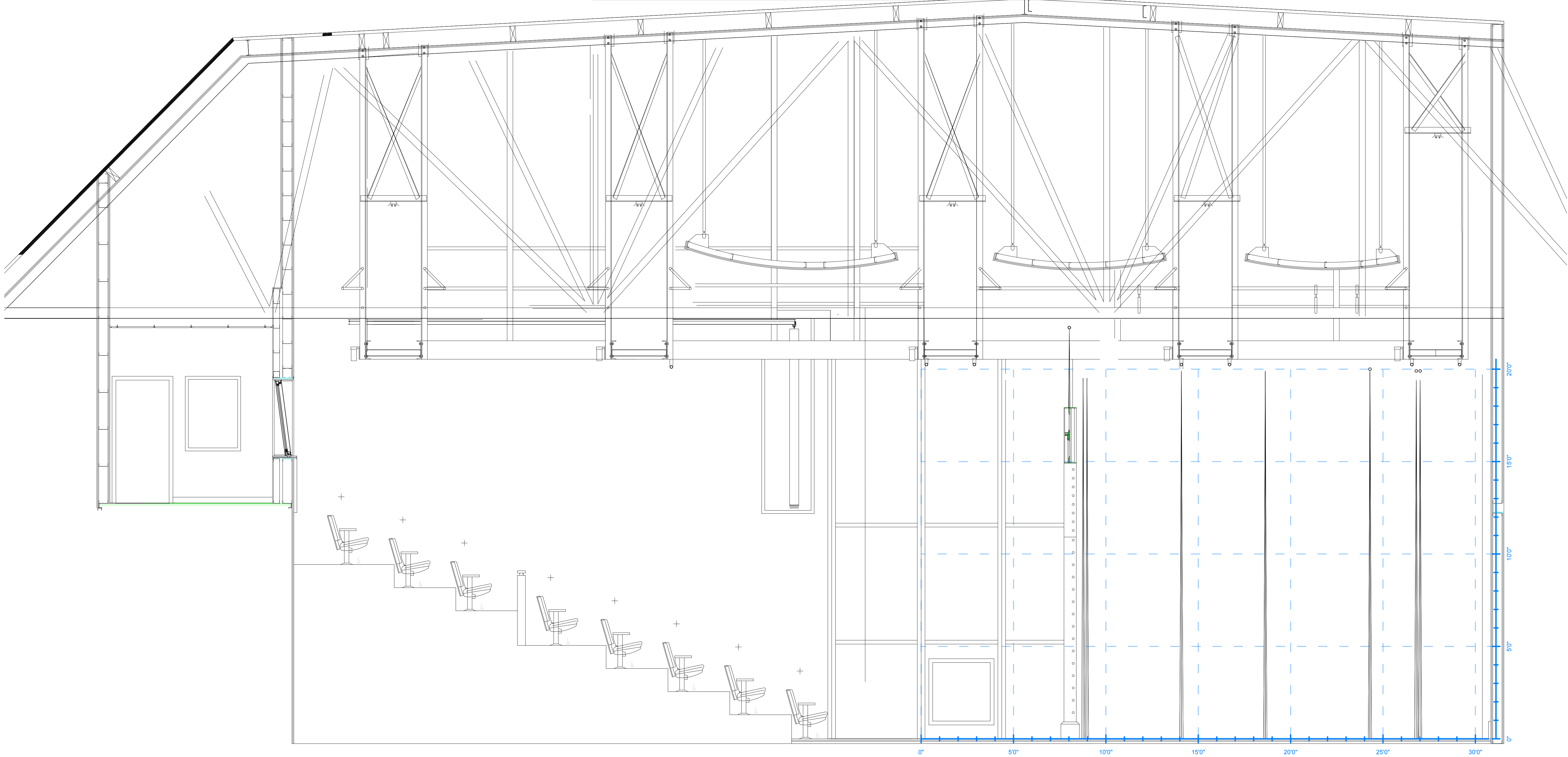


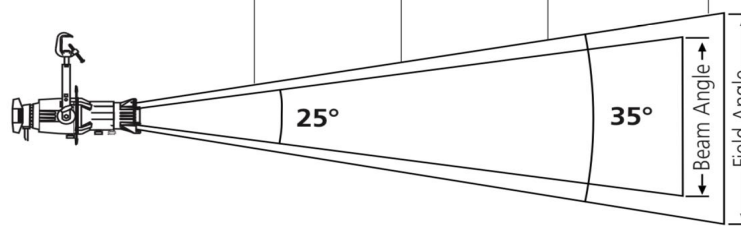


The Designer is unqualified to determine the structural or electrical appropriateness of this design, and will not assume responsibility for improper engineering, construction, handling, or use. All materials and construction must comply with the most stringent applicable Federal and Local Fire, Safety, Energy, and Environmental Codes.

Drawing Title	NC STATE UNIVERSITY	
Drawn By 	Director	
	Scale	1:32
Venue Titusus Theatre	Lighting Designer	Patrick Mathis patrick@ncsu.edu C-478-918-6000
Date 1/6/23	Program Director	Joshuae Reeves jarev24@ncsu.edu
CAD File Name Titusus Rep 2023.vwx	Venue Coordinator	

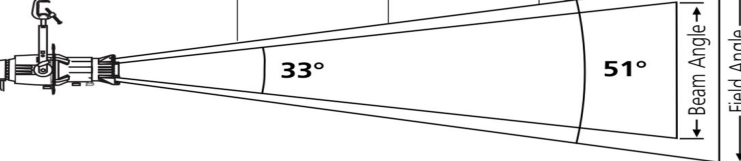


36°				
Distance (ft)	25	30	35	40
Field Diameter (ft)	15.8	18.9	22.1	25.2
Illumination (fc)	131	91	67	51

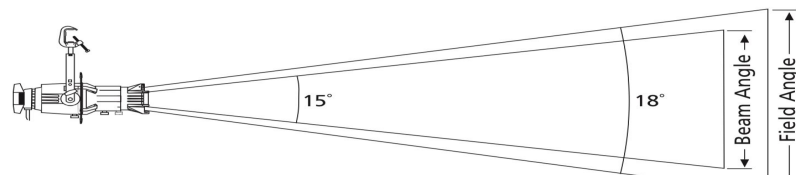


For illumination with any lamp, multiply the candlepower of a beam spread by the multiplying factor (mf) shown for that lamp.
To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.
For Field diameter at any distance, multiply distance by .63
For Beam diameter at any distance, multiply distance by .45

50°				
Distance (ft)	10	15	20	25
Field Diameter (ft)	9.5	14.3	19.0	23.8
Illumination (fc)	349	155	87	56

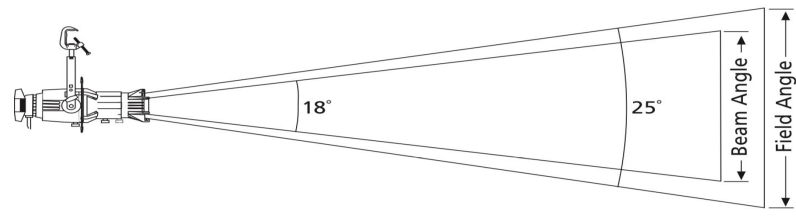


For illumination with any lamp, multiply the candlepower of a beam spread by the multiplying factor (mf) shown for that lamp.
To determine illumination in footcandles or lux at any throw distance, divide candlepower by distance squared.
For Field diameter at any distance, multiply distance by .95
For Beam diameter at any distance, multiply distance by .60



Throw Distance (d)	25'	40'	55'	70'
	7.6m	12.2m	16.7m	21.3m
Field Diameter	8'	13'	18'	22'
	2.4m	3.9m	5.4m	6.8m
Illuminance (fc)	392	153	81	50
Illuminance (lux)	4,217	1,648	872	538

To determine center beam illumination in footcandles at any throw distance, divide candlepower by the throw distance squared.
For Field diameter at any throw distance, multiply the throw distance by .32
For Beam diameter at any throw distance, multiply the throw distance by .26



Throw Distance (d)	15'	30'	45'	60'
	4.6m	9.1m	13.7m	18.1m
Field Diameter	6.7'	13.4'	20.1'	26.8'
	2.0m	4.1m	6.1m	8.2m
Illuminance (fc)	783	196	87	49
Illuminance (lux)	8,432	2,108	937	527

To determine center beam illumination in footcandles at any throw distance, divide candlepower by the throw distance squared.
For Field diameter at any throw distance, multiply the throw distance by .45
For Beam diameter at any throw distance, multiply the throw distance by .32

Source Four 19°(cosine)

Degree	Candela	Field Lumens	Beam Lumens	Efficiency	Lumens per watt
19°	243,520	11,180	8,785	51.1%	14.9

Metric Conversions: For Meters multiply feet by .3048
For Lux multiply footcandles by 10.76

Source Four 26°(cosine)

Degree	Candela	Field Lumens	Beam Lumens	Efficiency	Lumens per watt
26°	176,255	13,690	9,040	62.5%	18.3

Metric Conversions: For meters, multiply feet by .3048
For Lux multiply footcandles by 10.76

Gold Border	Gold Traveler	Black leg #1	Black leg #2	Border pipe	Black leg #3	Black Traveler	Cyc pipe
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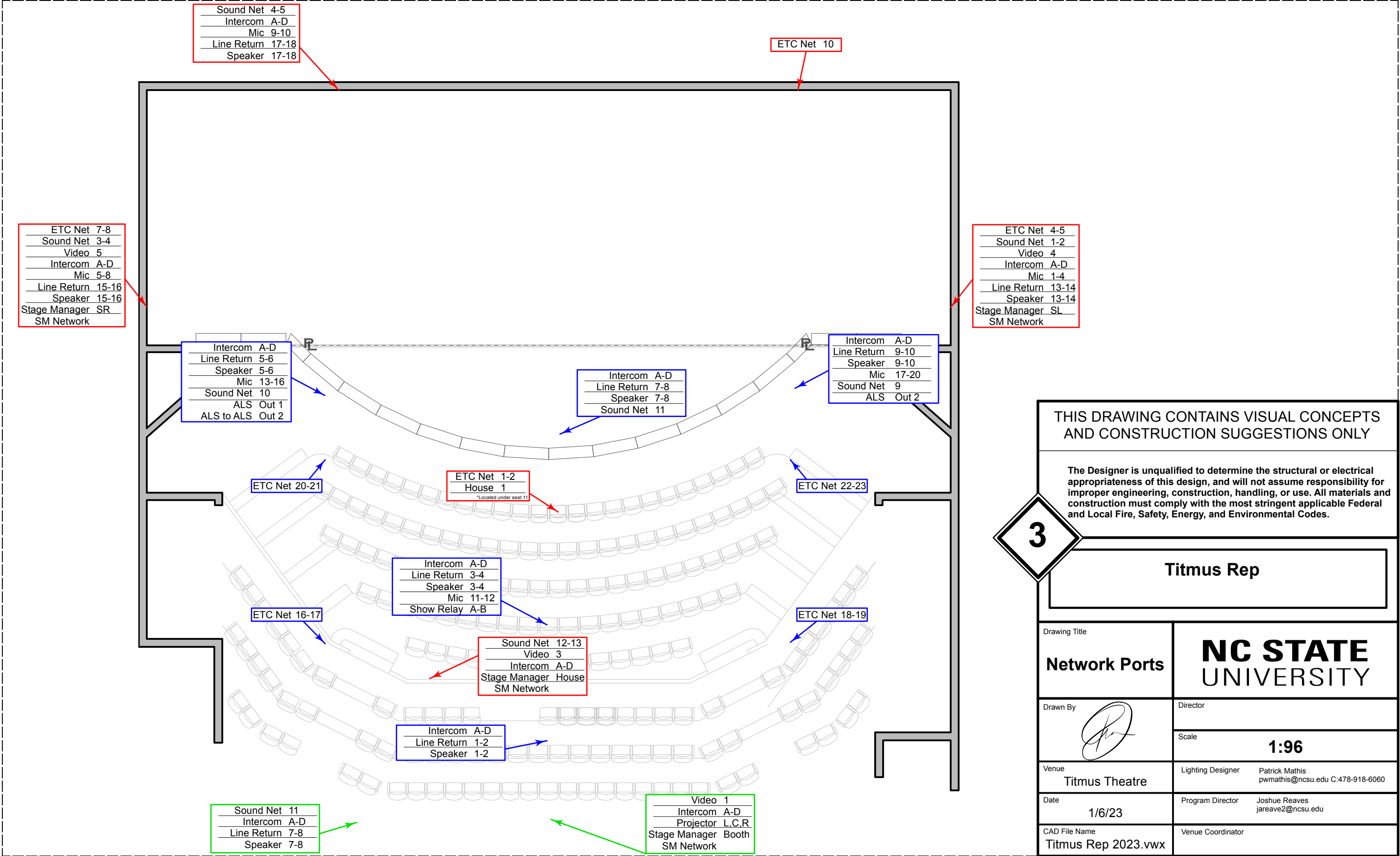
THIS DRAWING CONTAINS VISUAL CONCEPTS
AND CONSTRUCTION SUGGESTIONS ONLY

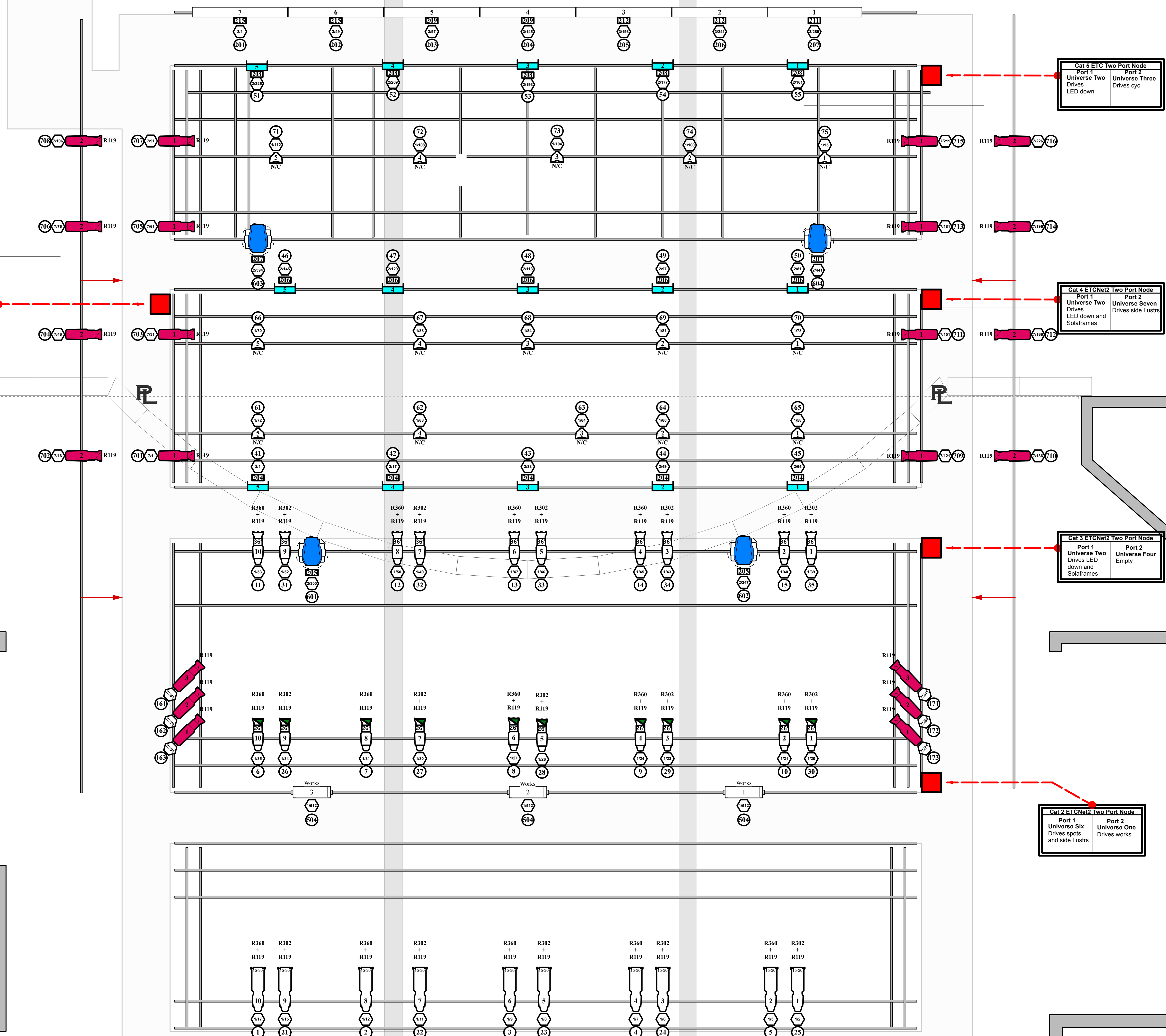
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2

Titmus Rep

Sectional	NC STATE UNIVERSITY
Drawn By	Director
Venue	Scale
Titmus Theatre	1:32
Date	Lighting Designer
7/7/22	Patricia Maghin
CAD File Name	Program Director
Titmus Rep 2023.vwx	Jessie Reeves
	Venue Coordinator
	jessie@ncsu.edu





Data Notes

**All DMX Nodes Positioned SL
excluding floating Elation node for
SR Lustres**

Node data cables should have system cable flags attached

Additional Elation POE Nodes stored in electrics road case

Elation nodes must be setup and addressed manually

THIS DRAWING CONTAINS VISUAL CONCEPTS
AND CONSTRUCTION SUGGESTIONS ONLY

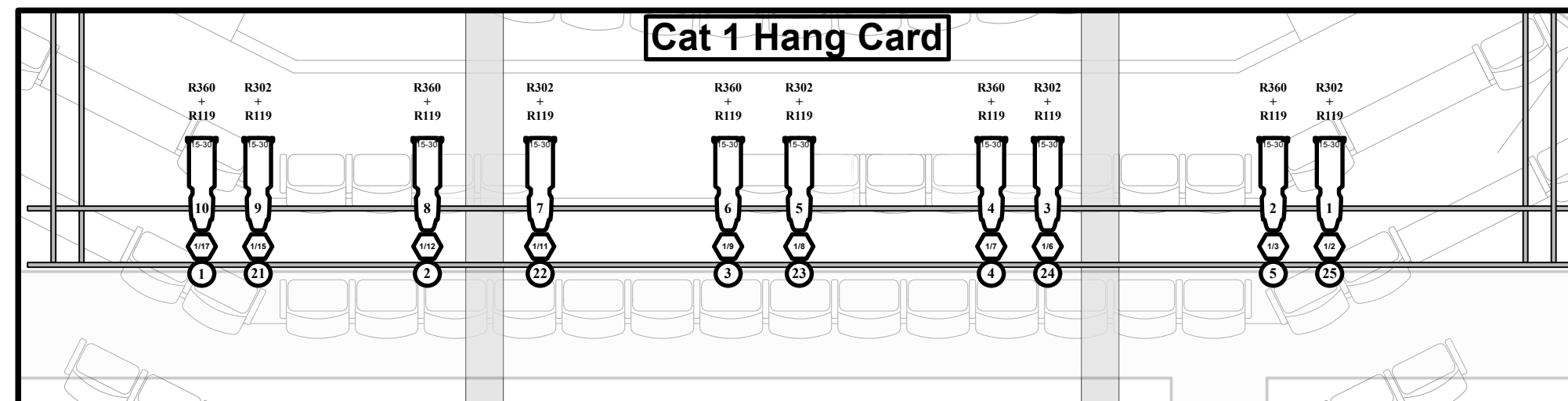
The Designer is unqualified to determine the structural or electrical appropriateness of this design, and will not assume responsibility for improper engineering, construction, handling, or use. All materials and construction must comply with the most stringent applicable Federal and Local Fire, Safety, Energy, and Environmental Codes.

4

Titmus Rep

Drawing Title Data Layout	NC STATE UNIVERSITY
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Drawn By		Director
Scale		1:32
Issue	Titusm Theatre	Lighting Designer Patrick Maltbie pemaaltbie@ncsu.edu C:475-918-60
Date	1/6/23	Program Director Joshua Reaves jreava02@ncsu.edu
AD File Name	Titusm Rep 2023.vwx	Venue Coordinator



A vertical cable with six labels on the left side, each connected to a specific part of the cable by a horizontal line. From top to bottom, the labels are: Color (connected to the top), Degree (connected to the upper section), Unit Number (connected to the lower section), Relay (connected to a rectangular component), Address (connected to a hexagonal component), and Channel (connected to a circular component at the bottom).

- | | |
|---|-----------------------------------|
|  | Brightline Studio |
|  | ETC Source 4 26° |
|  | ETC Source-4 36° |
|  | ETC Source4 PAR WFL |
|  | ETC S4 Zoom 15°-30° |
|  | ETC Source4 LEDLS
26deg |
|  | Elation Seven Batten 14 |
|  | ETC Lustr 63 |
|  | High End Systems
SolaFrame 750 |