

| Fixture | Type | Quantity | Channel |
|--|--------------------------------------|----------|---------|
| Source 4 Bodies <td>Light Engine <td>1</td> <td>1-1</td> </td> | Light Engine <td>1</td> <td>1-1</td> | 1 | 1-1 |
| Source 4 5' <td>Light 5'</td> <td>1</td> <td>1-2</td> | Light 5' | 1 | 1-2 |
| Source 4 15' <td>Light 15'</td> <td>1</td> <td>1-3</td> | Light 15' | 1 | 1-3 |
| Source 4 20' <td>Light 20'</td> <td>1</td> <td>1-4</td> | Light 20' | 1 | 1-4 |
| Source 4 30' <td>Light 30'</td> <td>1</td> <td>1-5</td> | Light 30' | 1 | 1-5 |
| Source 4 50' <td>Light 50'</td> <td>1</td> <td>1-6</td> | Light 50' | 1 | 1-6 |
| Source 4 Zoom <td>Light Zoom <td>1</td> <td>1-7</td> </td> | Light Zoom <td>1</td> <td>1-7</td> | 1 | 1-7 |
| Stand 6x15 <td>Stand</td> <td>1</td> <td>1-8</td> | Stand | 1 | 1-8 |
| DBO Medium Round <td>DBO</td> <td>1</td> <td>1-9</td> | DBO | 1 | 1-9 |
| Source 4 Par MFL <td>Par MFL <td>1</td> <td>1-10</td> </td> | Par MFL <td>1</td> <td>1-10</td> | 1 | 1-10 |
| 8' Fresnel <td>Fresnel <td>1</td> <td>1-11</td> </td> | Fresnel <td>1</td> <td>1-11</td> | 1 | 1-11 |
| Birdies Wide <td>Birdies</td> <td>1</td> <td>1-12</td> | Birdies | 1 | 1-12 |
| W. Zooms <td>Zoom</td> <td>1</td> <td>1-13</td> | Zoom | 1 | 1-13 |

Instrument Key

Source 4 Bodies
 Light Engine
 Unit 01 Remaining 01

Source 4 5'
 Unit 01 Remaining 1

Source 4 15'
 Unit 01 Remaining 1

Source 4 20'
 Unit 01 Remaining 1

Source 4 30'
 Unit 01 Remaining 1

Source 4 50'
 Unit 01 Remaining 1

Source 4 Zoom
 Unit 01 Remaining 1

Stand 6x15
 Unit 01 Remaining 1

DBO Medium Round
 Unit 01 Remaining 1

Source 4 Par MFL
 Unit 01 Remaining 1

8' Fresnel
 Unit 01 Remaining 1

Birdies Wide
 Unit 01 Remaining 1

W. Zooms
 Unit 01 Remaining 1

Label Legend

Unit Number
 Channel Number

Notes

- Channel 301-302 on the wires should be working.
- Please allow 15min from load and color up.
- Please have ball-bags and rig ready at focus.
- Use an 8' ball-bag on the side of the rig for control.
- There will be a sensor for added for the rig will be from a previous DBO channel 600.

THEATRICAL **UNIVERSITY**
 1200 13th Street, N.W.
 Seattle, WA 98108-3500
 206.534.3200
 www.theatrical.com

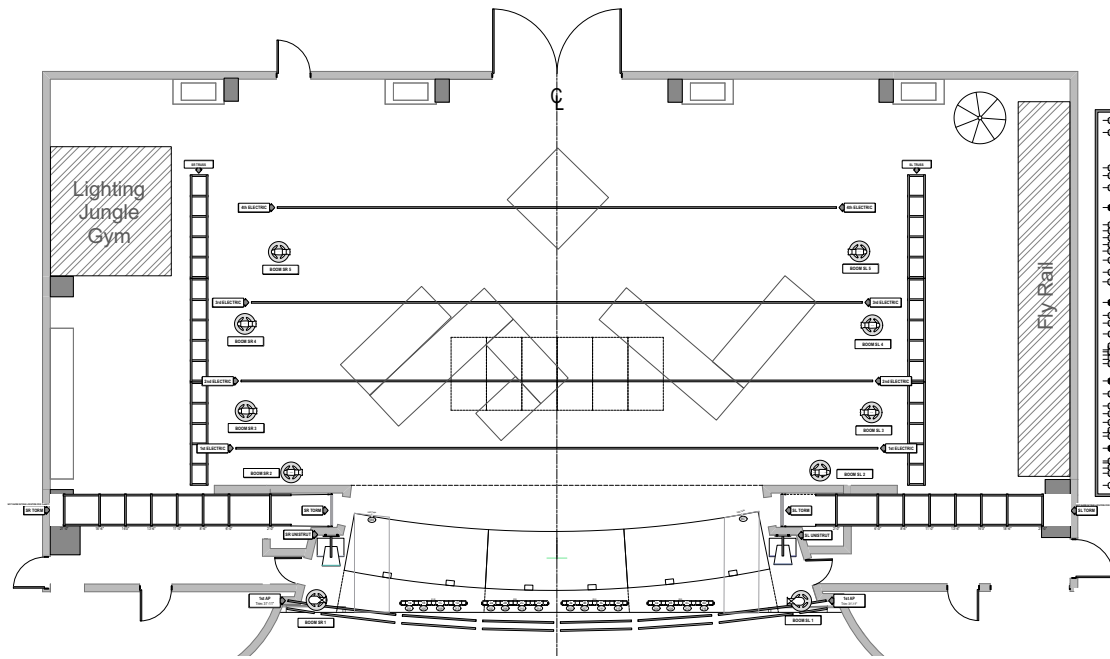
The Bing Theater
 University of Northern Iowa
 School of Dramatic Arts

Happy End
 Director: Stephen Weaver
 Lighting Designer: Keith D. Cagle
 Script Designer: Ethan Meyer
 Costume Designer: Kenneth Farnsworth
 Sound Designer: Ethan Jordan

REVISIONS

| NUMBER | DATE | REVISION |
|--------|----------|-----------------|
| 1 | 09/15/18 | Hang Fixtures 1 |
| | | |
| | | |

SCALE 1/4" = 1' **SCALE** 1
DRAWN Hang Plot **OF** 2
CHK



| Item | Quantity | Notes |
|---------------------------------------|----------|-------|
| Source 4 Bodies <td>2</td> <td></td> | 2 | |
| Source 4 5' <td>2</td> <td></td> | 2 | |
| Source 4 15' <td>2</td> <td></td> | 2 | |
| Source 4 20' <td>2</td> <td></td> | 2 | |
| Source 4 30' <td>2</td> <td></td> | 2 | |
| Source 4 50' <td>2</td> <td></td> | 2 | |
| Source 4 Zoom <td>2</td> <td></td> | 2 | |
| Strand 6x15 <td>2</td> <td></td> | 2 | |
| 080 Medium Round <td>2</td> <td></td> | 2 | |
| Source 4 Par MFL <td>2</td> <td></td> | 2 | |
| 8' Fresnel <td>2</td> <td></td> | 2 | |
| Birdies Wide <td>2</td> <td></td> | 2 | |
| W. Zooms <td>2</td> <td></td> | 2 | |

| Instrument Key | |
|----------------|---|
| | Source 4 Bodies Used 20 Remaining 0 |
| | Source 4 5' Used 2 Remaining 0 |
| | Source 4 15' Used 0 Remaining 2 |
| | Source 4 20' Used 0 Remaining 2 |
| | Source 4 30' Used 0 Remaining 2 |
| | Source 4 50' Used 0 Remaining 2 |
| | Source 4 Zoom Used 20 Remaining 0 |
| | Strand 6x15 Used 0 Remaining 2 |
| | 080 Medium Round Used 20 Remaining 2 |
| | Source 4 Par MFL Used 0 Remaining 2 |
| | 8' Fresnel Used 0 Remaining 2 |
| | Birdies Wide Used 0 Remaining 2 |
| | W. Zooms Used 0 Remaining 2 |

| Label Legend | |
|--------------|----------------|
| | End Number |
| | Channel Number |

Notes

1. Shows plot for all lighting instruments.

2. All lighting instruments are shown in their correct channel numbers.

3. All lighting instruments are shown in their correct channel numbers.

4. All lighting instruments are shown in their correct channel numbers.

THEATRICAL LIGHTING

Lighting Designers:
 Mike D. Taylor
 Mike D. Taylor
 Mike D. Taylor

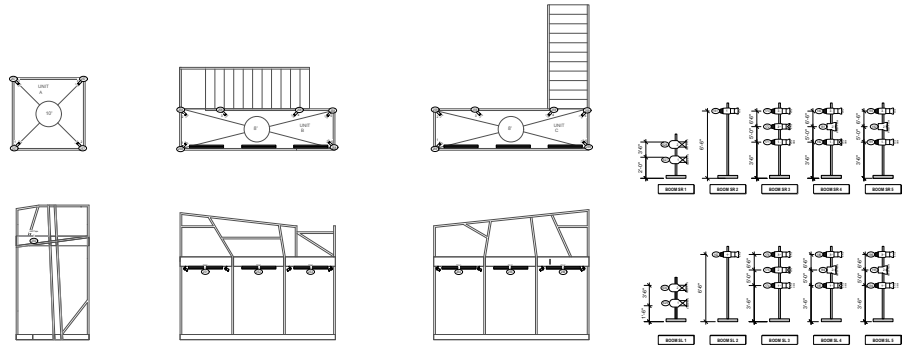
The Ring Theater
 University of Northern Iowa
 School of Drama Arts

Happy End

Designer:
 Stephen Thomas
 Lighting Designer:
 Mike D. Taylor
 Script Designer:
 Mike D. Taylor
 Costume Designer:
 Mike D. Taylor
 Sound Designer:
 Mike D. Taylor

| REVISIONS | | |
|-----------|----------|-----------------|
| NO. | DATE | DESCRIPTION |
| 1 | 10/12/18 | Final Version 1 |

| SCALE | PLANT | SCALE |
|-----------|------------|-------|
| 1/4" = 1' | LIGHT PLAN | 2 |
| AS SHOWN | Deck Plan | 2 |



CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|--------------|----|-----------------|----------------------------------|------------------------------------|---------|
| (1) | 1st Electric | 22 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 1697 |
| (2) | 1st Electric | 19 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 1717 |
| (3) | 1st Electric | 14 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 1677 |
| (4) | 1st Electric | 8 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 1537 |
| (5) | 1st Electric | 5 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 1597 |
| (6) | 2nd Electric | 17 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2129 |
| (7) | 2nd Electric | 14 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2109 |
| (8) | 2nd Electric | 11 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2049 |
| (9) | 2nd Electric | 7 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2069 |
| (10) | 2nd Electric | 3 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2089 |
| (11) | 3rd Electric | 19 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2621 |
| (12) | 3rd Electric | 15 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2581 |
| (13) | 3rd Electric | 11 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2561 |
| (14) | 3rd Electric | 7 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2601 |
| (15) | 3rd Electric | 2 | Top | ETC D60 Lustr SELR45 161w | <input type="radio"/> Medium Round | 2641 |
| (20) | 1st Electric | 13 | Center Platform | ETC Source4 36deg LED2LS 171w | <input type="radio"/> R114 | 1617 |

CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|----------|----|---------|---|----------------------------|---------|
| (21) | 3rd AP | 10 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 873 |
| (22) | 3rd AP | 8 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 833 |
| (23) | 3rd AP | 6 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 853 |
| (24) | 3rd AP | 3 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 513 |
| (25) | 3rd AP | 1 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 593 |
| (26) | 2nd AP | 12 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1025 |
| (27) | 2nd AP | 10 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1225 |
| (28) | 2nd AP | 8 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1145 |
| (29) | 2nd AP | 6 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1045 |
| (30) | 2nd AP | 4 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1265 |
| (31) | 2nd AP | 13 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1285 |
| (32) | 2nd AP | 11 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1205 |
| (33) | 2nd AP | 9 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1165 |
| (34) | 2nd AP | 7 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1245 |
| (35) | 2nd AP | 5 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w | <input type="radio"/> R114 | 1125 |


















CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|-----------------|----|--------------------|----------------------------------|--------------|---------|
| (36) | 1st Electric | 21 | Platform Fronts | ETC Source4 36deg LED2LS 171w | ○ R114 | 1737 |
| (37) | 1st Electric | 18 | Platform Fronts | ETC Source4 36deg LED2LS 171w | ○ R114 | 1577 |
| (38) | 1st Electric | 12 | Platform Fronts | ETC Source4 36deg LED2LS 171w | ○ R114 | 1657 |
| (39) | 1st Electric | 7 | Platform Fronts | ETC Source4 36deg LED2LS 171w | ○ R114 | 1557 |
| (40) | 1st Electric | 4 | Platform Fronts | ETC Source4 36deg LED2LS 171w | ○ R114 | 1637 |
| (41) | 2nd Electric | 18 | Back | 8" Fres 1kW | ● R3314 | 152 |
| (42) | 2nd Electric | 15 | Back | 8" Fres 1kW | ● R3314 | 158 |
| (43) | 2nd Electric | 10 | Back | 8" Fres 1kW | ● R3314 | 144 |
| (44) | 2nd Electric | 6 | Back | 8" Fres 1kW | ● R3314 | 149 |
| (45) | 2nd Electric | 4 | Back | 8" Fres 1kW | ● R3314 | 153 |
| (46) | 3rd Electric | 17 | Back | 8" Fres 1kW | ● R3314 | 172 |
| (47) | 3rd Electric | 14 | Back | 8" Fres 1kW | ● R3314 | 178 |
| (48) | 3rd Electric | 10 | Back | 8" Fres 1kW | ● R3314 | 165 |
| (49) | 3rd Electric | 6 | Back | 8" Fres 1kW | ● R3314 | 169 |
| (50) | 3rd Electric | 4 | Back | 8" Fres 1kW | ● R3314 | 173 |
| (51) | 4th Electric | 5 | Back | 8" Fres 1kW | ● R3314 | 190 |
| (52) | 4th Electric | 4 | Back | 8" Fres 1kW | ● R3314 | 195 |

CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|-----------------|----|---------|-----------------------|---|---------|
| (53) | 4th Electric | 3 | Back | 8" Fres 1kW |  R3314 | 202 |
| (54) | 4th Electric | 2 | Back | 8" Fres 1kW |  R3314 | 189 |
| (55) | 4th Electric | 1 | Back | 8" Fres 1kW |  R3314 | 194 |
| (61) | 1st Electric | 25 | Side | CE S4 PAR MFL 750w |  R51 | 118 |
| (62) | 1st Electric | 23 | Side | CE S4 PAR MFL 750w |  R51 | 124 |
| (63) | 1st Electric | 20 | Side | CE S4 PAR MFL 750w |  R51 | 130 |
| (64) | 1st Electric | 16 | Side | CE S4 PAR MFL 750w |  R51 | 138 |
| (65) | 1st Electric | 11 | Side | CE S4 PAR MFL 750w |  R51 | 115 |
| (66) | 2nd Electric | 20 | Side | CE S4 PAR MFL 750w |  R51 | 146 |
| (67) | 2nd Electric | 19 | Side | CE S4 PAR MFL 750w |  R51 | 150 |
| (68) | 2nd Electric | 16 | Side | CE S4 PAR MFL 750w |  R51 | 154 |
| (69) | 2nd Electric | 13 | Side | CE S4 PAR MFL 750w |  R51 | 160 |
| (70) | 2nd Electric | 9 | Side | CE S4 PAR MFL 750w |  R51 | 143 |
| (71) | 3rd Electric | 20 | Side | CE S4 PAR MFL 750w |  R51 | 164 |
| (72) | 3rd Electric | 18 | Side | CE S4 PAR MFL 750w |  R51 | 168 |
| (73) | 3rd Electric | 16 | Side | CE S4 PAR MFL 750w |  R51 | 174 |
| (74) | 3rd Electric | 13 | Side | CE S4 PAR MFL 750w |  R51 | 180 |






CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|--------------------|----|---------|-----------------------|--|---------|
| (75) | 3rd Electric | 9 | Side | CE S4 PAR MFL 750w |  R51 | 166 |
| (81) | 1st Electric | 15 | Side | CE S4 PAR MFL 750w |  R4630 | 140 |
| (82) | 1st Electric | 10 | Side | CE S4 PAR MFL 750w |  R4630 | 117 |
| (83) | 1st Electric | 6 | Side | CE S4 PAR MFL 750w |  R4630 | 125 |
| (84) | 1st Electric | 3 | Side | CE S4 PAR MFL 750w |  R4630 | 133 |
| (85) | 1st Electric | 1 | Side | CE S4 PAR MFL 750w |  R4630 | 139 |
| (86) | 2nd Electric | 12 | Side | CE S4 PAR MFL 750w |  R4630 | 157 |
| (87) | 2nd Electric | 8 | Side | CE S4 PAR MFL 750w |  R4630 | 145 |
| (88) | 2nd Electric | 5 | Side | CE S4 PAR MFL 750w |  R4630 | 151 |
| (89) | 2nd Electric | 2 | Side | CE S4 PAR MFL 750w |  R4630 | 155 |
| (90) | 2nd Electric | 1 | Side | CE S4 PAR MFL 750w |  R4630 | 159 |
| (91) | 3rd Electric | 12 | Side | CE S4 PAR MFL 750w |  R4630 | 163 |
| (92) | 3rd Electric | 8 | Side | CE S4 PAR MFL 750w |  R4630 | 167 |
| (93) | 3rd Electric | 5 | Side | CE S4 PAR MFL 750w |  R4630 | 171 |
| (94) | 3rd Electric | 3 | Side | CE S4 PAR MFL 750w |  R4630 | 177 |
| (95) | 3rd Electric | 1 | Side | CE S4 PAR MFL 750w |  R4630 | 179 |
| (101) | 1st Box Boom-HL | 1 | Mission | 6x16 1kW |  R63+R119 | 81 |





CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|--------------------|----|-----------------|---------------------------|---|---------|
| (102) | 1st Box Boom-HL | 2 | Mission | 6x16 1kW |  R63+R119 | 83 |
| (103) | 1st Box Boom-HL | 3 | Mission | 6x16 1kW |  R63+R119 | 84 |
| (104) | 1st Box Boom-HL | 4 | Mission | 6x16 1kW |  R63+R119 | 82 |
| (105) | 1st Box Boom-HL | 5 | Mission | 6x16 1kW |  R63+R119 | 65 |
| (106) | 1st Box Boom-HL | 6 | Mission | 6x16 1kW |  R63+R119 | 68 |
| (107) | 1st Box Boom-HR | 1 | Mission | 6x16 1kW |  R63+R119 | 86 |
| (108) | 1st Box Boom-HR | 2 | Mission | 6x16 1kW |  R63+R119 | 85 |
| (109) | 1st Box Boom-HR | 3 | Mission | 6x16 1kW |  R63+R119 | 87 |
| (110) | 1st Box Boom-HR | 4 | Mission | 6x16 1kW |  R63+R119 | 88 |
| (111) | 1st Box Boom-HR | 5 | Mission | 6x16 1kW |  R63+R119 | 74 |
| (112) | 1st Box Boom-HR | 6 | Mission | 6x16 1kW |  R63+R119 | 76 |
| (121) | 1st Box Boom-HL | 7 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77208 | 69 |
| (122) | 1st Box Boom-HL | 8 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77208 | 70 |
| (123) | 1st Box Boom-HL | 9 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77760 | 67 |
| (124) | 1st Box Boom-HL | 10 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77208 | 66 |
| (125) | 1st Box Boom-HR | 7 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77208 | 73 |
| (126) | 1st Box Boom-HR | 8 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77760 | 78 |













CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|--------------------|----|-----------------|----------------------------------|---|---------|
| (127) | 1st Box Boom-HR | 9 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77760 | 77 |
| (128) | 1st Box Boom-HR | 10 | Bar Template | ETC Source4 26deg 750w |  R318+R132, T:R77208 | 75 |
| (131) | 2nd Box Boom-HL | 1 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 1185 |
| (132) | 2nd Box Boom-HL | 2 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 1105 |
| (133) | 2nd Box Boom-HL | 3 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 1085 |
| (134) | 2nd Box Boom-HL | 4 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 1065 |
| (135) | 2nd Box Boom-HR | 1 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 3605 |
| (136) | 2nd Box Boom-HR | 2 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 3585 |
| (137) | 2nd Box Boom-HR | 3 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 3645 |
| (138) | 2nd Box Boom-HR | 4 | Grunge | ETC Source4 19deg LED2LS 171w |  R132, T:R78220 | 3625 |
| (141) | SR Truss | 3 | Platform | CE Source 4 36deg 750w |  R4215 | 247 |
| (142) | SR Truss | 5 | Platform | CE Source 4 36deg 750w |  R4215 | 246 |
| (143) | SR Truss | 6 | Platform | CE Source 4 36deg 750w |  R4215 | 245 |
| (144) | SR Truss | 7 | Platform | CE Source 4 36deg 750w |  R4215 | 27 |
| (145) | SR Truss | 8 | Platform | CE Source 4 36deg 750w |  R4215 | 265 |
| (146) | SR Truss | 10 | Platform | 6x16 1kW |  R4215 | 264 |
| (151) | SL Truss | 3 | Platform | CE Source 4 36deg 750w |  R4215 | 274 |

CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|--------------|----|----------|----------------------------------|--|---------|
| (152) | SL Truss | 5 | Platform | CE Source 4 36deg 750w |  R4215 | 273 |
| (153) | SL Truss | 6 | Platform | CE Source 4 36deg 750w |  R4215 | 253 |
| (154) | SL Truss | 7 | Platform | CE Source 4 36deg 750w |  R4215 | 251 |
| (155) | SL Truss | 8 | Platform | CE Source 4 36deg 750w |  R4215 | 272 |
| (156) | SL Truss | 10 | Platform | 6x16 1kW |  R4215 | 271 |
| (161) | Boom SR 2 | 1 | Side | ETC Source4 36deg LED2LS 171w |  R119 | 4609 |
| (162) | Boom SL 2 | 1 | Side | ETC Source4 36deg LED2LS 171w |  R119 | 913 |
| (171) | Boom SR 3 | 1 | Side | ETC Source4 36deg LED2LS 171w |  R119, T:G636 | 4629 |
| (172) | Boom SR 3 | 2 | Side | ETC Source4 50deg LED2LS 171w |  R119 | 4649 |
| (173) | Boom SR 3 | 3 | Side | ETC Source4 36deg LED2LS 171w |  R119 | 4669 |
| (174) | Boom SL 3 | 1 | Side | ETC Source4 36deg LED2LS 171w |  R119, T:G636 | 923 |
| (175) | Boom SL 3 | 2 | Side | ETC Source4 50deg LED2LS 171w |  R119 | 933 |
| (176) | Boom SL 3 | 3 | Side | ETC Source4 36deg LED2LS 171w |  R119 | 943 |
| (181) | Boom SR 4 | 2 | Side | ETC D60 Lustr SELR45 161w |  Medium Round | 4689 |
| (182) | Boom SR 4 | 1 | Side | ETC Source4 50deg LED2LS 171w |  R119, T:G636 | 4709 |
| (183) | Boom SR 4 | 3 | Side | ETC Source4 36deg LED2LS 171w |  R119 | 4729 |
| (184) | Boom SL 4 | 2 | Side | ETC D60 Lustr SELR45 161w |  Medium Round | 953 |

CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|----------------|----|-------------|----------------------------------|----------------|---------|
| (185) | Boom SL 4 | 1 | Side | ETC Source4 50deg LED2LS 171w | ○ R119, T:G636 | 963 |
| (186) | Boom SL 4 | 3 | Side | ETC Source4 36deg LED2LS 171w | ○ R119 | 973 |
| (191) | Boom SR 5 | 1 | Side | ETC Source4 36deg LED2LS 171w | ○ R119, T:G636 | 4749 |
| (192) | Boom SR 5 | 2 | Side | ETC D60 Lustr SELR45 161w | ○ Medium Round | 4769 |
| (193) | Boom SR 5 | 3 | Side | ETC Source4 36deg LED2LS 171w | ○ R119 | 4789 |
| (194) | Boom SL 5 | 1 | Side | ETC Source4 36deg LED2LS 171w | ○ R119, T:G636 | 983 |
| (195) | Boom SL 5 | 2 | Side | ETC D60 Lustr SELR45 161w | ○ Medium Round | 993 |
| (196) | Boom SL 5 | 3 | Side | ETC Source4 36deg LED2LS 171w | ○ R119 | 1003 |
| (201) | Foot Lights | 1a | Foot Lights | MR16 Strip 50w | ● R 30 | 94 |
| (202) | Foot Lights | 2a | Foot Lights | MR16 Strip 50w | ● R30 | 90 |
| (203) | Foot Lights | 3a | Foot Lights | MR16 Strip 50w | ● R30 | 103 |
| (204) | Foot Lights | 4a | Foot Lights | MR16 Strip 50w | ● R30 | 106 |
| (205) | Foot Lights | 1b | Foot Lights | MR16 Strip 50w | ● L201 | 96 |
| (206) | Foot Lights | 2b | Foot Lights | MR16 Strip 50w | ● L201 | 89 |
| (207) | Foot Lights | 3b | Foot Lights | MR16 Strip 50w | ● L201 | 112 |
| (208) | Foot Lights | 4b | Foot Lights | MR16 Strip 50w | ● L201 | 105 |
| (209) | Foot Lights | 1c | Foot Lights | MR16 Strip 50w | ● R51 | 93 |

CHANNEL HOOKUP











Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|-------------|----|----------------|----------------------------|--|---------|
| (210) | Foot Lights | 2c | Foot Lights | MR16 Strip 50w |  R51 | 100 |
| (211) | Foot Lights | 3c | Foot Lights | MR16 Strip 50w |  R51 | 111 |
| (212) | Foot Lights | 4c | Foot Lights | MR16 Strip 50w |  R51 | 107 |
| (213) | Foot Lights | 1d | Foot Lights | MR16 Strip 50w |  R3313 | 99 |
| (214) | Foot Lights | 2d | Foot Lights | MR16 Strip 50w |  R3313 | 95 |
| (215) | Foot Lights | 3d | Foot Lights | MR16 Strip 50w |  R3313 | 104 |
| (216) | Foot Lights | 4d | Foot Lights | MR16 Strip 50w |  R3313 | 108 |
| (250) | Unit A | 1 | LED Tape Cross | LED Tape |  LED Tape | |
| (257) | Unit A | 1 | Top | USITT PAR MR-16 Birdie-WFL |  L218 | 198 |
| | Unit A | 2 | Top | USITT PAR MR-16 Birdie-WFL |  L218 | 198 |
| | Unit A | 3 | Top | USITT PAR MR-16 Birdie-WFL |  L218 | 198 |
| | Unit A | 4 | Top | USITT PAR MR-16 Birdie-WFL |  L218 | 198 |

CHANNEL HOOKUP








Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|--------------|----------|----|---------|--------------------------------|-----------------------|---------|
| (258) | Unit B | 1 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 148 |
| | Unit B | 2 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 148 |
| | Unit B | 3 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 148 |
| | Unit B | 4 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 148 |
| | Unit B | 5 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 148 |
| | Unit B | 6 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 148 |
| (259) | Unit C | 1 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 156 |
| | Unit C | 2 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 156 |
| | Unit C | 3 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 156 |
| | Unit C | 4 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 156 |
| | Unit C | 5 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 156 |
| | Unit C | 6 | Top | USITT PAR MR- 16 Birdie-WFL | ● L218 | 156 |
| (301) | SR Truss | 1 | Scrapes | ETC Source4 26deg 750w | ● R372+R132, T:R78047 | 250 |
| (302) | SL Truss | 1 | Scrapes | ETC Source4 26deg 750w | ● R372+R132, T:R78047 | |
| (303) | SR Truss | 4 | Scrapes | CE Source 4 19deg 750w | ● R372+R132, T:R78047 | 248 |
| (304) | SL Truss | 4 | Scrapes | CE Source 4 19deg 750w | ● R372+R132, T:R78047 | 255 |
| (305) | SR Truss | 2 | Scrapes | 6x16 1kW | ● R372+R132, T:R78047 | 249 |
| (306) | SL Truss | 2 | Scrapes | 6x16 1kW | ● R372+R132, T:R78047 | 256 |

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|--------------|--------------------|----|----------|---|---|---------|
| (307) | SR Truss | 9 | Scrapes | CE Source 4 19deg 750w |  R372+R132, T:R78047 | 263 |
| (308) | SL Truss | 9 | Scrapes | CE Source 4 19deg 750w |  R372+R132, T:R78047 | 254 |
| (351) | 1st Electric | 24 | Mover | Varilite VL7 Spot 600w | | 1747 |
| (352) | 1st Electric | 17 | Mover | Varilite VL7 Spot 600w | | 1808 |
| (353) | 1st Electric | 9 | Mover | Varilite VL7 Spot 600w | | 1869 |
| (354) | 1st Electric | 2 | Mover | Varilite VL7 Spot 600w | | 1930 |
| (355) | 3rd Box Boom-HL | 1 | Mover | Varilite VL7 Spot 600w | | 613 |
| (356) | 3rd Box Boom-HR | 1 | Mover | Varilite VL7 Spot 600w | | 713 |
| (600) | Moon Box | | Moon Box | LED Tape | | |
| (601) | 1st AP | 4 | Pit Top | 8" Fres 1kW |  R3314 | 49 |
| (602) | 1st AP | 3 | Pit Top | 8" Fres 1kW |  R3314 | 50 |
| (603) | 1st AP | 2 | Pit Top | 8" Fres 1kW |  R3314 | 52 |
| (604) | 1st AP | 1 | Pit Top | 8" Fres 1kW |  R3314 | 54 |
| (611) | 3rd AP | 11 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w |  R114 | 893 |
| (612) | 3rd AP | 9 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w |  R114 | 553 |
| (613) | 3rd AP | 7 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w |  R114 | 533 |
| (614) | 3rd AP | 4 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w |  R114 | 573 |

CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------------|--------------|----|-----------------|---|--|---------|
| (615) | 3rd AP | 2 | Front | ETC Source4 LED2LS 15deg- 30deg Zoom 171w |  R114 | 813 |
| (616) | SR-Torm | 1 | Pit Side | ETC D60 Lustr SELR45 161w |  Medium Round | 5141 |
| (617) | SR-Torm | 2 | Pit Side | ETC D60 Lustr SELR45 161w |  Medium Round | 5121 |
| (618) | SL-Torm | 1 | Pit Side | ETC D60 Lustr SELR45 161w |  Medium Round | 4117 |
| (619) | SL-Torm | 2 | Pit Side | ETC D60 Lustr SELR45 161w |  Medium Round | 4097 |
| (621) | 2nd AP | 16 | DS Front | ETC Source4 15deg- 30deg Zoom 750w |  R51+R119 | 21 |
| (622) | 2nd AP | 15 | DS Front | ETC Source4 15deg- 30deg Zoom 750w |  R51+R119 | 24 |
| (623) | 2nd AP | 14 | DS Front | ETC Source4 15deg- 30deg Zoom 750w |  R51+R119 | 29 |
| (624) | 2nd AP | 3 | DS Front | ETC Source4 15deg- 30deg Zoom 750w |  R51+R119 | 33 |
| (625) | 2nd AP | 2 | DS Front | ETC Source4 15deg- 30deg Zoom 750w |  R51+R119 | 36 |
| (626) | 2nd AP | 1 | DS Front | ETC Source4 15deg- 30deg Zoom 750w |  R51+R119 | 41 |
| (627) | Boom SR 1 | 1 | DS Side | 6x16 1kW |  R4630+R119 | 91 |
| (628) | Boom SR 1 | 2 | DS Side | 6x16 1kW |  R4630+R119 | 92 |
| (629) | Boom SL 1 | 1 | DS Side | 6x16 1kW |  R4630+R119 | 110 |
| (630) | Boom SL 1 | 2 | DS Side | 6x16 1kW |  R4630+R119 | 109 |
| (1001) | Booth | 1 | Follow Spots | CE Source 4 5deg 750w |  L201+R119, T:Follow Spot | 2 |
| (1002) | 3rd AP | 5 | Follow Spots | CE Source 4 5deg 750w |  L201+R119, T:Follow Spot | 8 |

CHANNEL HOOKUP

Happy End

| CHANNEL | POSITION | U# | PURPOSE | TYPE & LOAD | COLOR & GOBO | ADDRESS |
|---------|---------------|----|--------------|-----------------------------|--------------------------|---------|
| (2000) | 1st AP | 2b | Conductor | 6x16 1kW | <input type="radio"/> NC | |
| | 1st AP | 2c | Conductor | 6x16 1kW | <input type="radio"/> NC | |
| (2001) | House Lights | | House Lights | House Lights | | |
| (2002) | House Lights | | House Lights | House Lights | | |
| (2003) | House Lights | | House Lights | House Lights | | |
| (2004) | Electrics | | Work Lights | Work Lights | | |
| (2005) | Speaker Track | | Aisles | ETC Source4 36deg LED2LS | | 5166 |
| (2006) | Speaker Track | | Aisles | ETC Source4 36deg LED2LS | | 5211 |
| (2007) | Speaker Track | | Aisles | ETC Source4 36deg LED2LS | | 4277 |
| (2008) | Speaker Track | | Aisles | ETC Source4 36deg LED2LS | | |

GOBO COUNT

R78047

2 for 6x16

4 for CE Source 4 19deg

2 for ETC Source 4 26deg

8 Total

G636

4 for ETC Source 4 36deg LED2LS

2 for ETC Source 4 50deg LED2LS

6 Total

R78220

8 for ETC Source 4 19deg LED2LS

8 Total

R77760

3 for ETC Source 4 26deg

3 Total


R77208


5 for ETC Source 4 26deg


5 Total


COLOR COUNT


Color Cuts


| | |
|--|----------|
|  L201 | |
| MR16 size | 40 cuts? |
| 14" size | 2 cuts |
| ----- | |
| Total: | 46 cuts? |


| | |
|--|---------|
|  L218 | |
| Birdie size | 16 cuts |
| ----- | |
| Total: | 16 cuts |

| | |
|--|----------|
|  R 30 | |
| MR16 size | 40 cuts? |
| ----- | |
| Total: | 40 cuts? |

| | |
|---|--------|
|  R104 | |
| ELED Strip size | 6 cuts |
| ----- | |
| Total: | 6 cuts |

| | |
|--|---------|
|  R114 | |
| 7.5" size | 20 cuts |
| 6" size | 6 cuts |
| ----- | |
| Total: | 26 cuts |

| | |
|--|---------|
|  R119 | |
| 7.5" size | 22 cuts |
| 6" size | 16 cuts |
| 14" size | 2 cuts |
| ----- | |
| Total: | 40 cuts |

| | |
|--|---------|
|  R132 | |
| 7.5" size | 2 cuts |
| 6" size | 22 cuts |
| ----- | |
| Total: | 24 cuts |


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COLOR COUNT


Happy End


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| | |
|--|--------|
|  R318 | |
| 6" size | 8 cuts |
| ----- | |
| Total: | 8 cuts |


| | |
|---|----------|
|  R3313 | |
| MR16 size | 40 cuts? |
| ----- | |
| Total: | 40 cuts? |


| | |
|---|---------|
|  R3314 | |
| 10" size | 19 cuts |
| ----- | |
| Total: | 19 cuts |

| | |
|--|--------|
|  R372 | |
| 7.5" size | 2 cuts |
| 6" size | 6 cuts |
| ----- | |
| Total: | 8 cuts |

| | |
|---|---------|
|  R4215 | |
| 7.5" size | 2 cuts |
| 6" size | 10 cuts |
| ----- | |
| Total: | 12 cuts |









| | |
|---|---------|
|  R4630 | |
| 7.5" size | 20 cuts |
| ----- | |
| Total: | 20 cuts |

| | |
|---|----------|
|  R51 | |
| 7.5" size | 20 cuts |
| MR16 size | 40 cuts? |
| ----- | |
| Total: | 60 cuts? |

| | |
|---|---------|
|  R63 | |
| 7.5" size | 12 cuts |
| ----- | |
| Total: | 12 cuts |


COLOR COUNT


Framed Color


| | |
|---|------------------|
|  L201 | |
| MR16 size | 40 frames? |
| ----- | |
| Total: | 40 frames? |
|  L201+R119 | Frame Separately |
| 14" size | 4 Frames |
| ----- | |
| Total: | 4 Frames |
|  L218 | |
| Birdie size | 16 frames |
| ----- | |
| Total: | 16 frames |
|  R 30 | |
| MR16 size | 40 frames? |
| ----- | |
| Total: | 40 frames? |
|  R104 | |
| ELED Strip size | 6 frames |
| ----- | |
| Total: | 6 frames |
|  R114 | |
| 7.5" size | 20 frames |
| 6" size | 6 frames |
| ----- | |
| Total: | 26 frames |
|  R119 | |
| 6" size | 16 frames |
| ----- | |
| Total: | 16 frames |
|  R132 | |
| 6" size | 8 frames |
| ----- | |
| Total: | 8 frames |

| | |
|---|----------|
|  R318+R132 | |
| 6" size | 8 frames |
| ----- | |
| Total: | 8 frames |


| | |
|---|------------|
|  R3313 | |
| MR16 size | 40 frames? |
| ----- | |
| Total: | 40 frames? |


| | |
|---|-----------|
|  R3314 | |
| 10" size | 19 frames |
| ----- | |
| Total: | 19 frames |

| | |
|---|----------|
|  R372+R132 | |
| 7.5" size | 2 frames |
| 6" size | 6 frames |
| ----- | |
| Total: | 8 frames |

| | |
|---|-----------|
|  R4215 | |
| 7.5" size | 2 frames |
| 6" size | 10 frames |
| ----- | |
| Total: | 12 frames |

| | |
|---|-----------|
|  R4630 | |
| 7.5" size | 16 frames |
| ----- | |
| Total: | 16 frames |


| | |
|--|----------|
|  R4630+R119 | |
| 7.5" size | 4 frames |
| ----- | |
| Total: | 4 frames |


| | |
|---|------------|
|  R51 | |
| 7.5" size | 14 frames |
| MR16 size | 40 frames? |
| ----- | |
| Total: | 54 frames? |

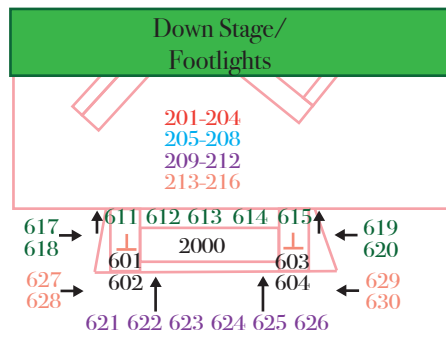
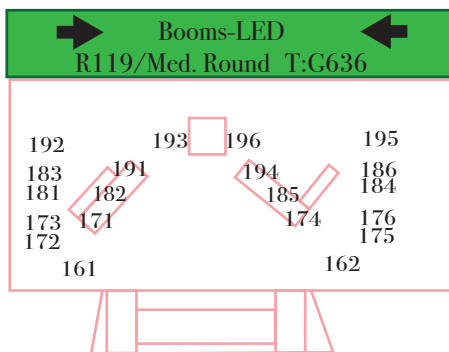
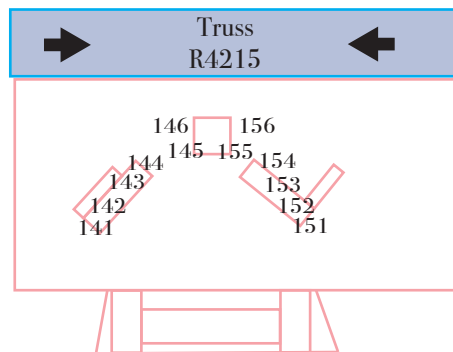
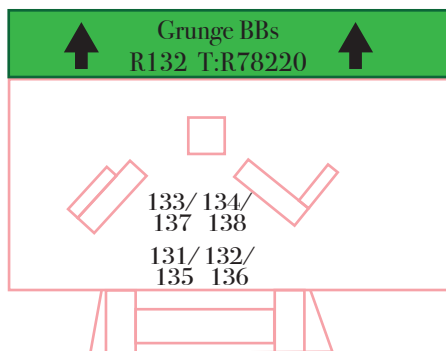
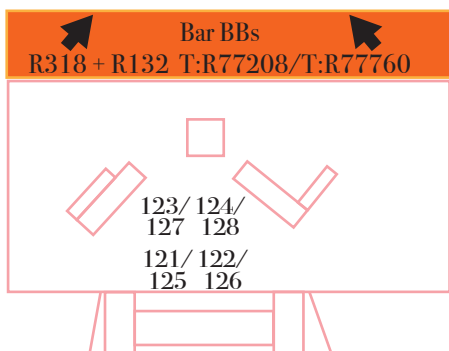
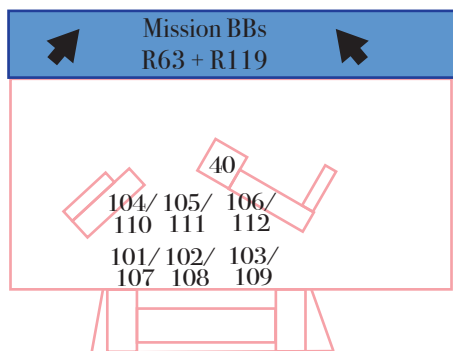
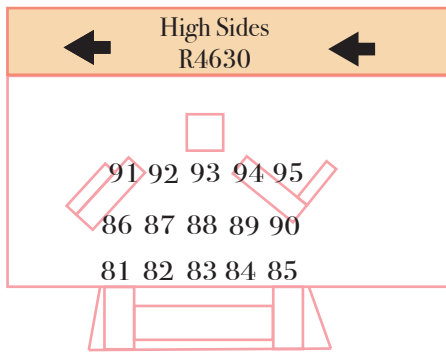
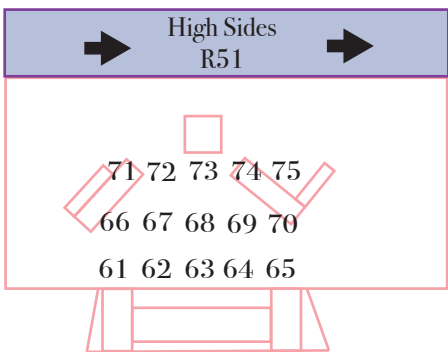
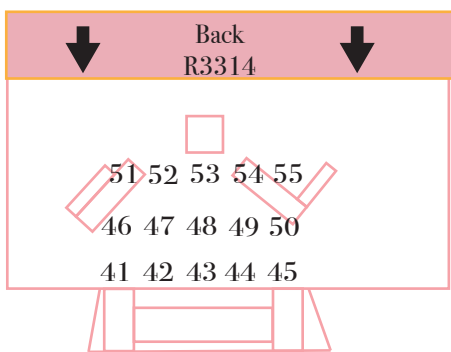
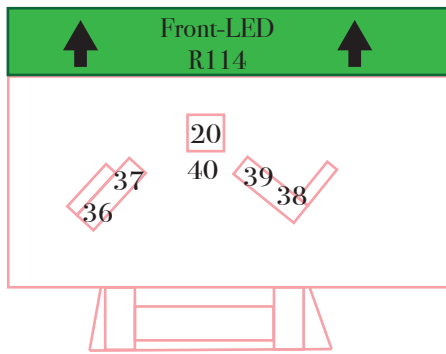
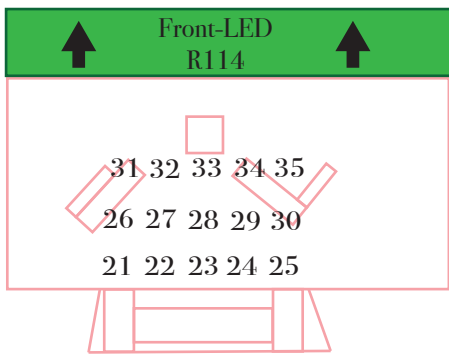
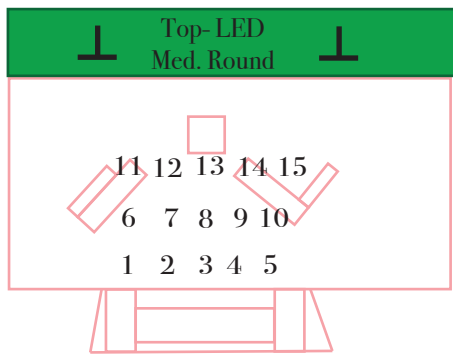
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COLOR COUNT

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Version: 1

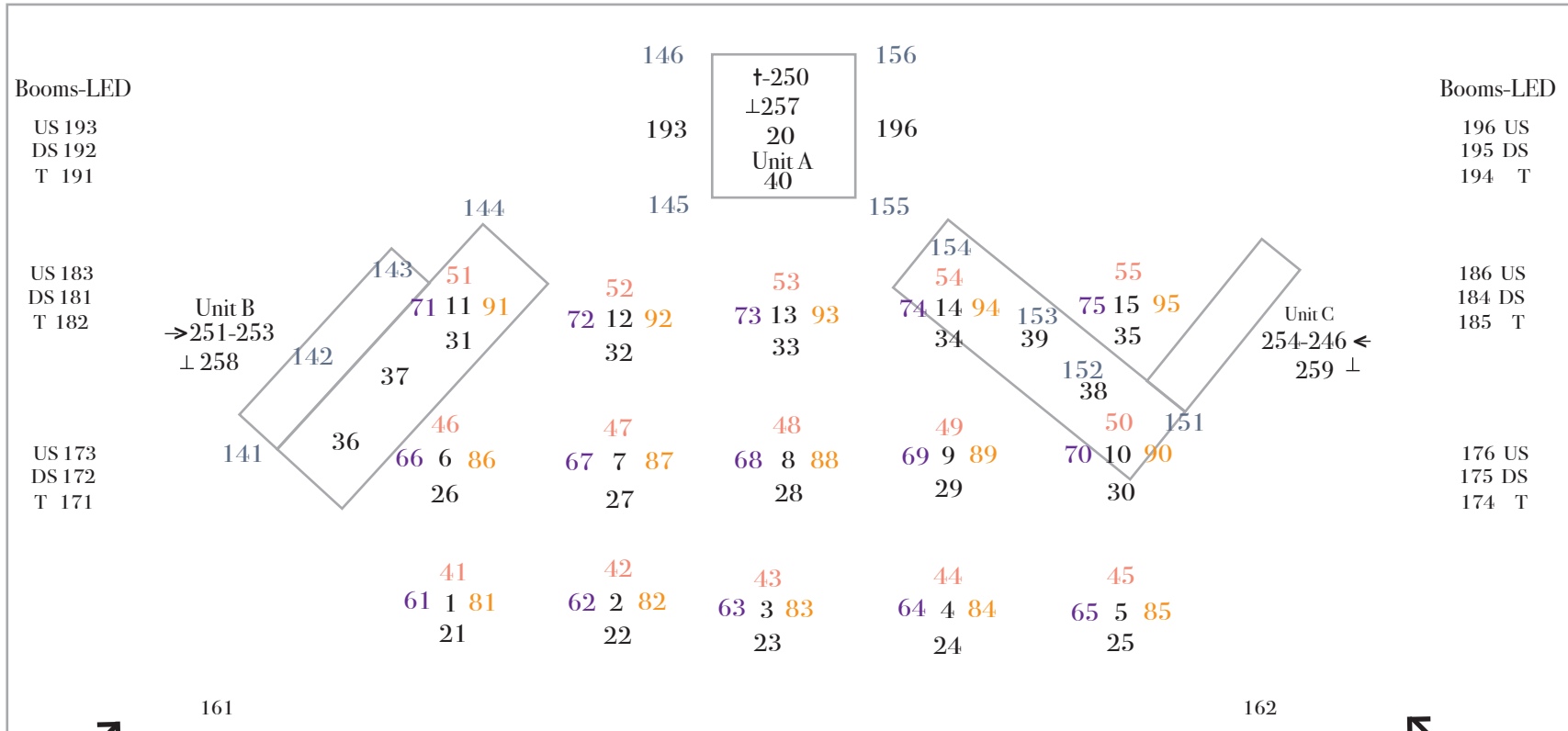
| | |
|--|----------|
|  R51+R119 | |
| 7.5" size | 6 frames |
| ----- | |
| Total: | 6 frames |

| | |
|--|-----------|
|  R63+R119 | |
| 7.5" size | 12 frames |
| ----- | |
| Total: | 12 frames |



| | | | |
|---|---|---|---|
| Follow Spots Booth (1001) AP (1002) L201+R119 | Unit Mounts Birdies (257-259) L218 ELED Strips (251-256) R104 LED Tape Cross (250) LED Tape Pit (666-667) | Scrapes (301-308) R372+R132, T:R78047 Movers 1st E (351-354) Movers 3rd BB (355-356) | Conductor (2000) House (2001-2003) Works on Elex (2004) Moon Box (600) |
|---|---|---|---|

MAGIC SHEETS
 Happy End



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| |
|-------------|
| Box Booms |
| Mission |
| 104 105 106 |
| 101 102 103 |
| Bar |
| 123 124 |
| 121 122 |
| Grunge |
| 133 134 |
| 131 132 |

| | | | | | | | | |
|-----|-----|-----|---------|---------|---------|---------|-----|-----|
| 617 | 618 | 611 | 612 | 613 | 614 | 615 | 619 | 620 |
| | | 601 | | | | 603 | | |
| | | 602 | | 2000 | | 604 | | |
| | | 666 | 201-204 | 205-208 | 209-212 | 213-216 | | |
| 627 | 628 | 621 | 622 | 623 | 624 | 625 | 629 | 630 |

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| |
|-------------|
| Box Booms |
| Mission |
| 110 111 112 |
| 107 108 109 |
| Bar |
| 127 128 |
| 125 126 |
| Grunge |
| 137 138 |
| 135 136 |

| | | | |
|---|-------------------------------------|---|---|
| Follow Spots Booth (1001) AP (1002) | Scrapes (301-308) Moon Box (600) | Movers 1st E (351-354) Movers 3rd BB (355-356) | House (2001-2003) Works on Elex (2004) |
|---|-------------------------------------|---|---|