VersaLamp High Bay/Light Fixture Installation Instructions

Installation Overview:

The high bay fixtures include DMX controlled lamps that have a unique control address. Therefore, **the high bay fixtures must be installed in the correct order**. Each box and high bay fixture includes a number that corresponds to the layout drawing for this installation. **All high bay fixtures must be installed in the same direction or orientation**. All low voltage input and output cables must be on the same end of the high bay fixture. The cables are to be installed according to the included drawing.

The low voltage control cables have home run cables from the equipment rack position. The control cables have 3-Pin XLR male & female connectors on either end of the cable. The home run cables only have one female connector installed on each cable. The female connector goes to the high bay fixture. The bare tails are to be pulled to the equipment rack location.

The black low voltage control jumper cables have 3-Pin XLR male & female connectors on either end of the cable. These are daisy chained between the fixtures for each area. The included drawing shows how the cables are to be installed.

A CAT5e cable is to be installed from the equipment rack position to where the lighting is to be operated from or control location where the PC is to be located.

The power module in the equipment rack has two low voltage relay contacts. These relays are used for switching the lighting to "White". The use and installation of these relay controls are optional but are recommended.

Relay A: Fire System Contact
• The cable tail that is labeled "fire contact" is to be connected to a contact closure from the fire detection system of the building provided by others. This contact is used to shut down the lighting controller which will cause all of the controlled lighting to change to white in color.

Relay B: System Override Contact
• The system override switch with a low voltage (24/2/Shielded) cable that includes a light switch is to be installed wherever the proprietor/operator would like a to be able to switch the controlled lighting to white. This switch also shuts off the power strip and the equipment rack which causes the controlled lighting to switch to white in color. Please note; if the equipment rack will not power on; check to see if the override switch is in the off position or the fire contact has be triggered.

Installation:

1. The included drawing has fixture numbers that indicate which fixture is to be installed at each location.

High Bay Fixture Numbers
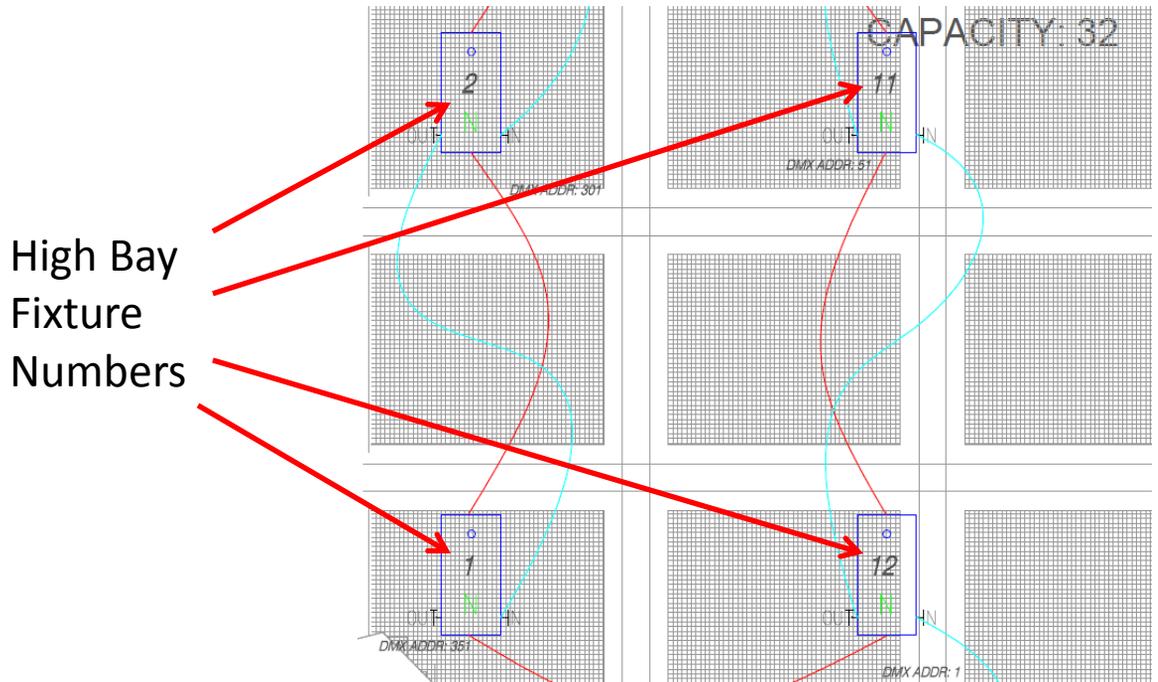
2. Each high bay includes a corresponding fixture number.
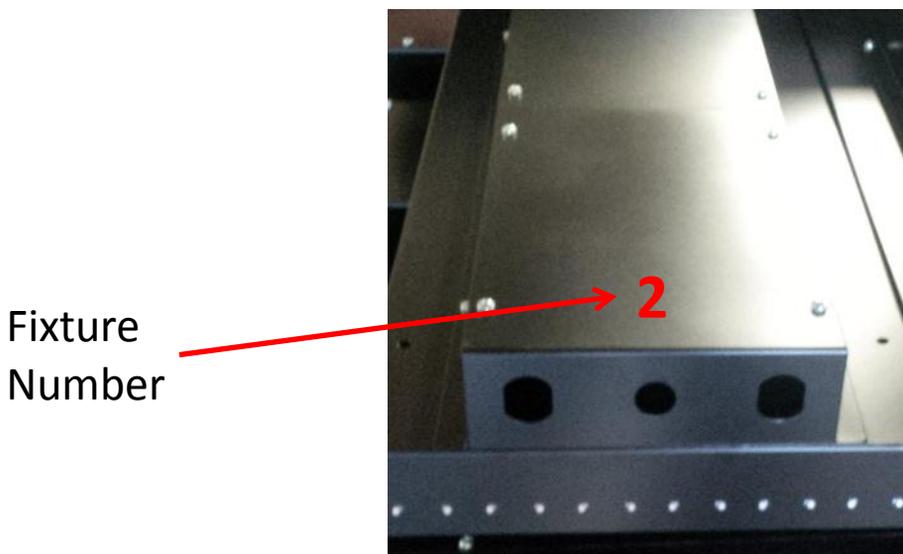
Fixture Number

3. The order has been shipped with each box labeled with a fixture number. Each box includes two fixtures.

High Bay
Fixture
Numbers ⟶

Fixture 1		
Fixture 2		

Pallet #1

Fixture 3	Fixture 5	Fixture 7
Fixture 4	Fixture 6	Fixture 8
Fixture 9	Fixture 11	Fixture 13
Fixture 10	Fixture 12	Fixture 14
Fixture 15	Fixture 17	Fixture 19
Fixture 16	Fixture 18	Fixture 20
Fixture 21	Fixture 23	Fixture 25
Fixture 22	Fixture 24	Fixture 26

Pallet 1 - 26 Fixtures
(48"W x 48"L x 80"H)

Two Fixtures
Per Box ⟶

Fixture 25		
Fixture 26		

Pallet #2

| Fixture 27	Fixture 29	Fixture 31
Fixture 28	Fixture 30	Fixture 32
Fixture 33	Fixture 35	Fixture 37
Fixture 34	Fixture 36	Fixture 38
Fixture 39	Fixture 41	Fixture 43
Fixture 40	Fixture 42	Fixture 44
Fixture 45	Fixture 47	Fixture 49
Fixture 46	Fixture 48	Fixture 50

Pallet 2 - 26 Fixtures
(48"W x 48"L x 80"H)

Pallet #3

Fixture 51		
Fixture 52		

| Fixture 53	Fixture 55	Fixture 57
Fixture 54	Fixture 56	Fixture 58
Fixture 59	Fixture 61	Fixture 63
Fixture 60	Fixture 62	Fixture 64
Fixture 65	Fixture 67	Fixture 69
Fixture 66	Fixture 68	Fixture 70
Fixture 71	Fixture 73	Fixture 75
Fixture 72	Fixture 74	Fixture 76

Pallet 3 - 26 Fixtures
(48"W x 48"L x 80"H)

4. Install the high bay fixtures.

HIGHBAY MOUNTING DETAIL

NO SCALE

E1.0
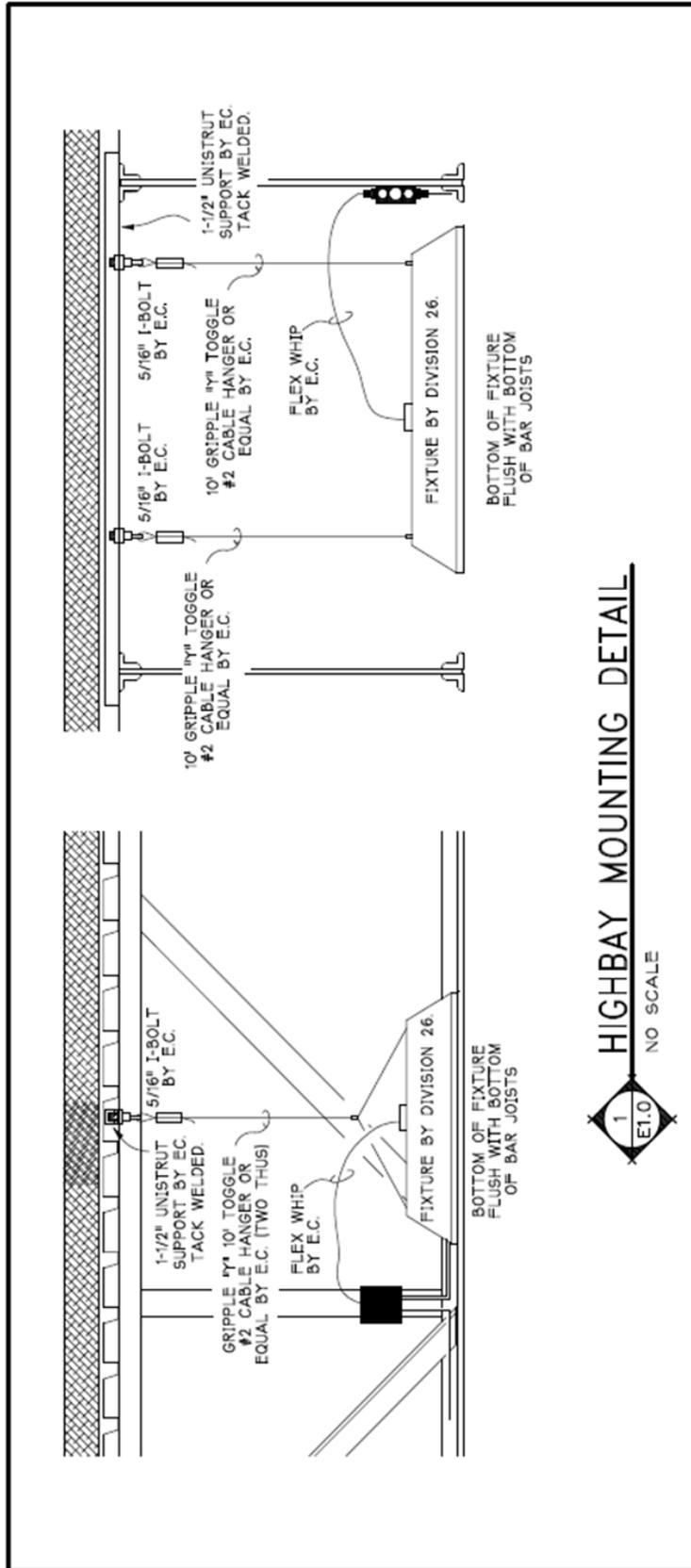
5. All fixtures must be installed in the same direction.
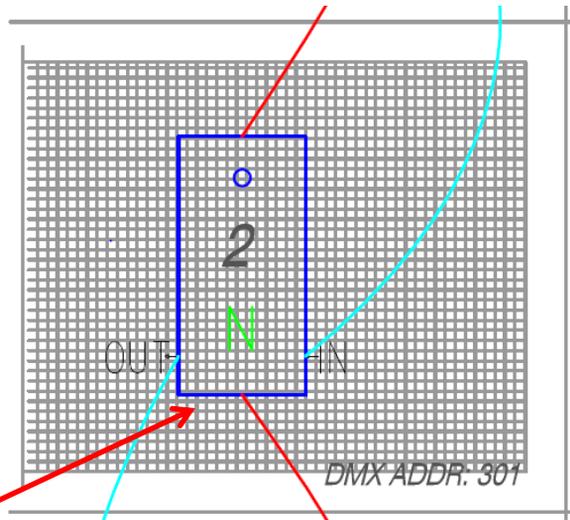
Control
Cables On
The Same
End For All
Fixtures

DMX ADDR: 301
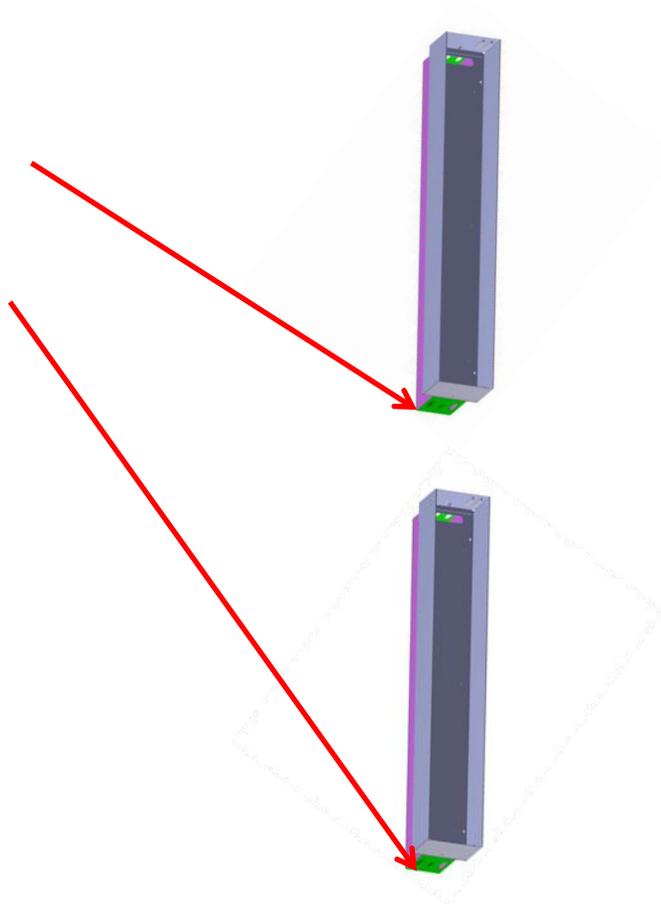
6. The low voltage control cables have home run cables (24 gauge, 2 conductors, shielded) from the equipment rack position. The home run cables only have one female connector installed on each cable. The female connector goes to the high bay fixture. The bare tails are to be pulled to the equipment rack position.

3-Pin XLR Male Connector →

← 3-Pin XLR Female Connector
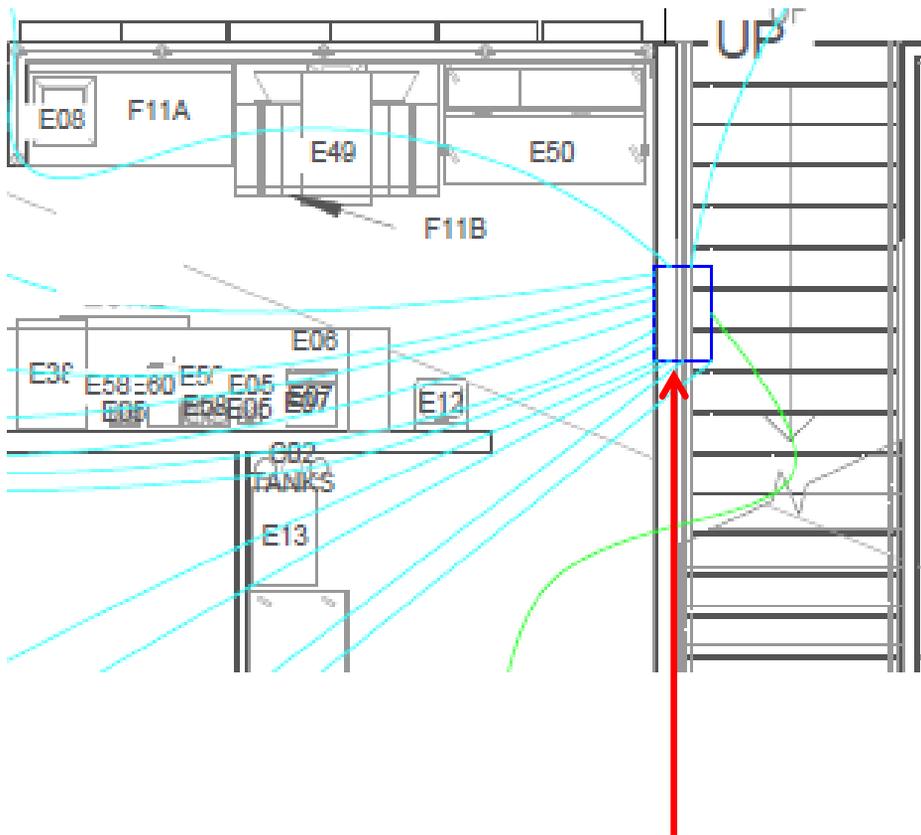
Equipment Rack Position With Bare Cable Tails

7. The black low voltage control jumper cables have 3-Pin XLR male & female connectors on either end of the cable. These are daisy chained between the fixtures for each area. The included drawing shows how the cables are to be installed. Starting with a fixture that has a female home run connector; pull the jumper cable female connector to the next fixture. So the fixture with the home run cable will have a female and a male connector.

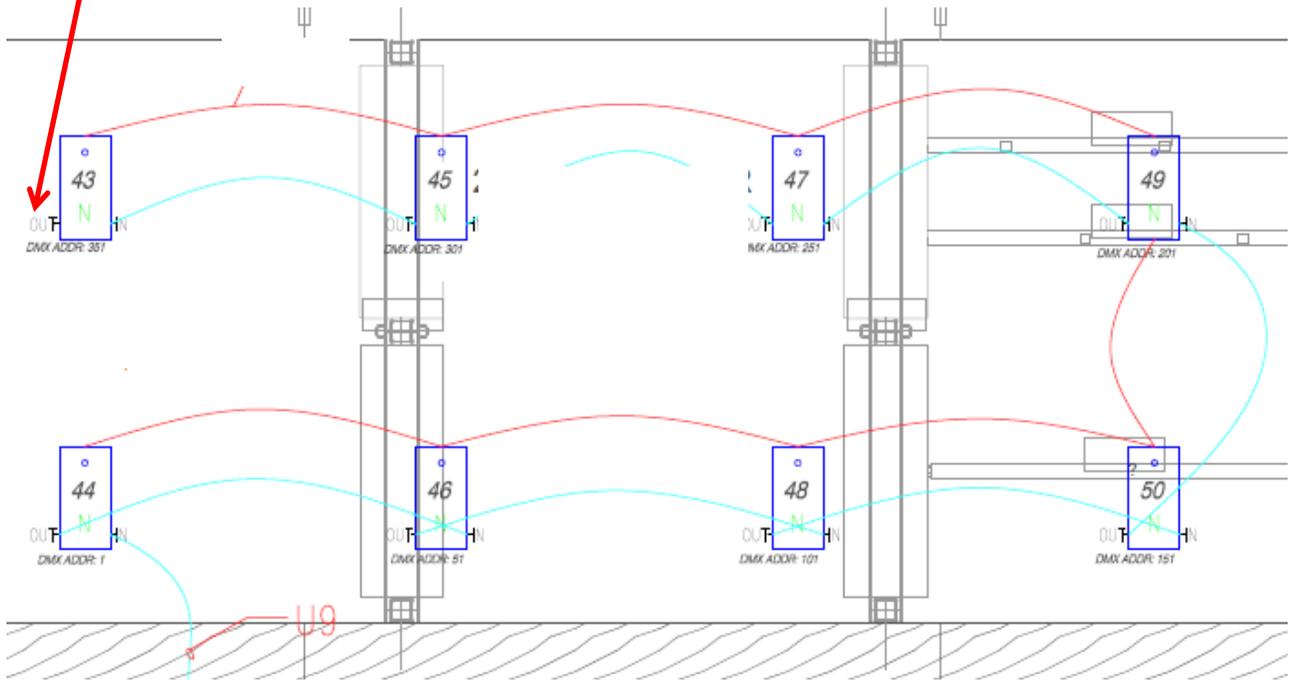Jumper Cables Between
Each High Bay Fixture
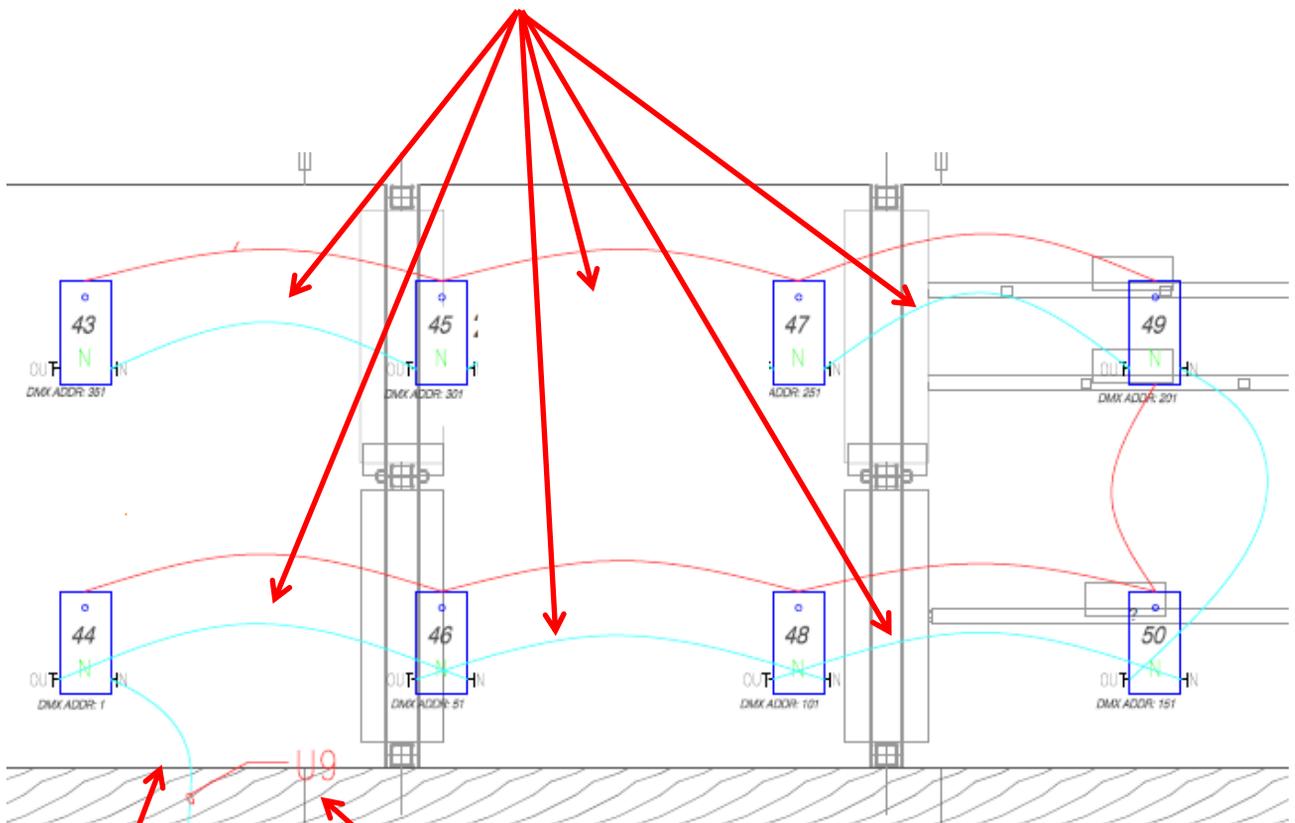
Home Run
Cable

Home Run
Cable
Number

8. The last high bay fixture output cable in each of the areas must have an end terminator installed. The end terminator is a male 3-pin XLR connector with a without a cable installed.

End Terminator ⟶

43
N
OUT   IN
DMX ADDR: 351

45
N
OUT   IN
DMX ADDR: 301

47
N
OUT   IN
DMX ADDR: 251

49
N
OUT   IN
DMX ADDR: 201

44
N
OUT   IN
DMX ADDR: 1

46
N
OUT   IN
DMX ADDR: 51

48
N
OUT   IN
DMX ADDR: 101
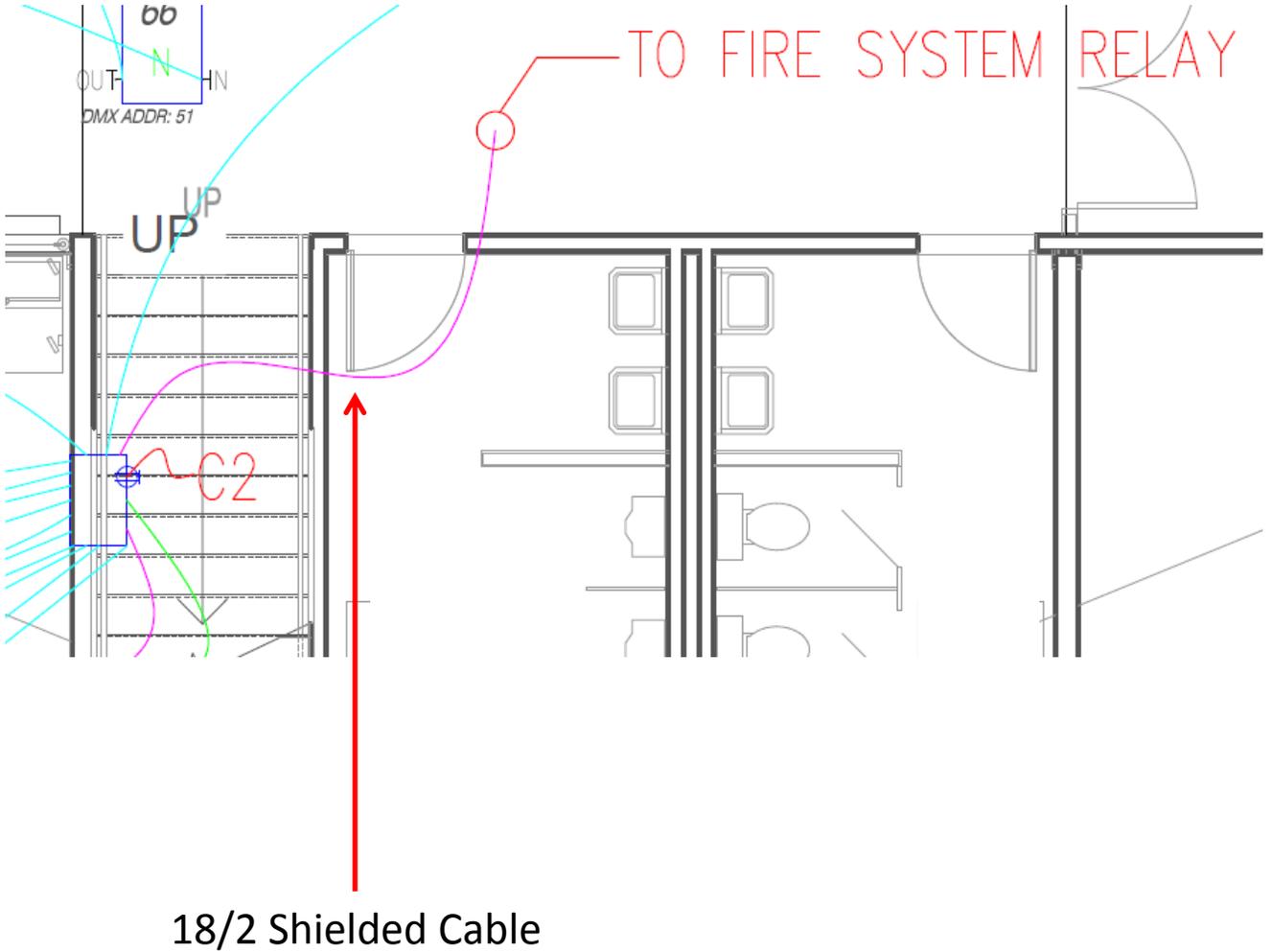
50
N
OUT   IN
DMX ADDR: 151

U9

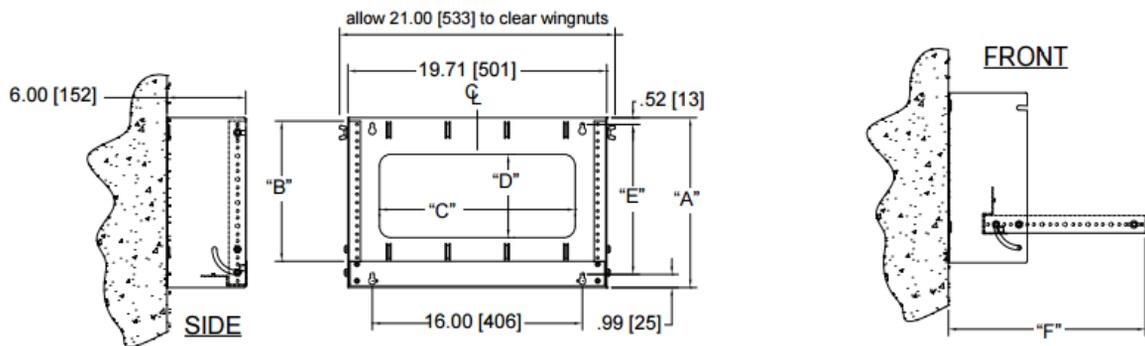9. A CAT5e and an 18/2 shielded cable is to be installed from the equipment rack position to the desired control location.
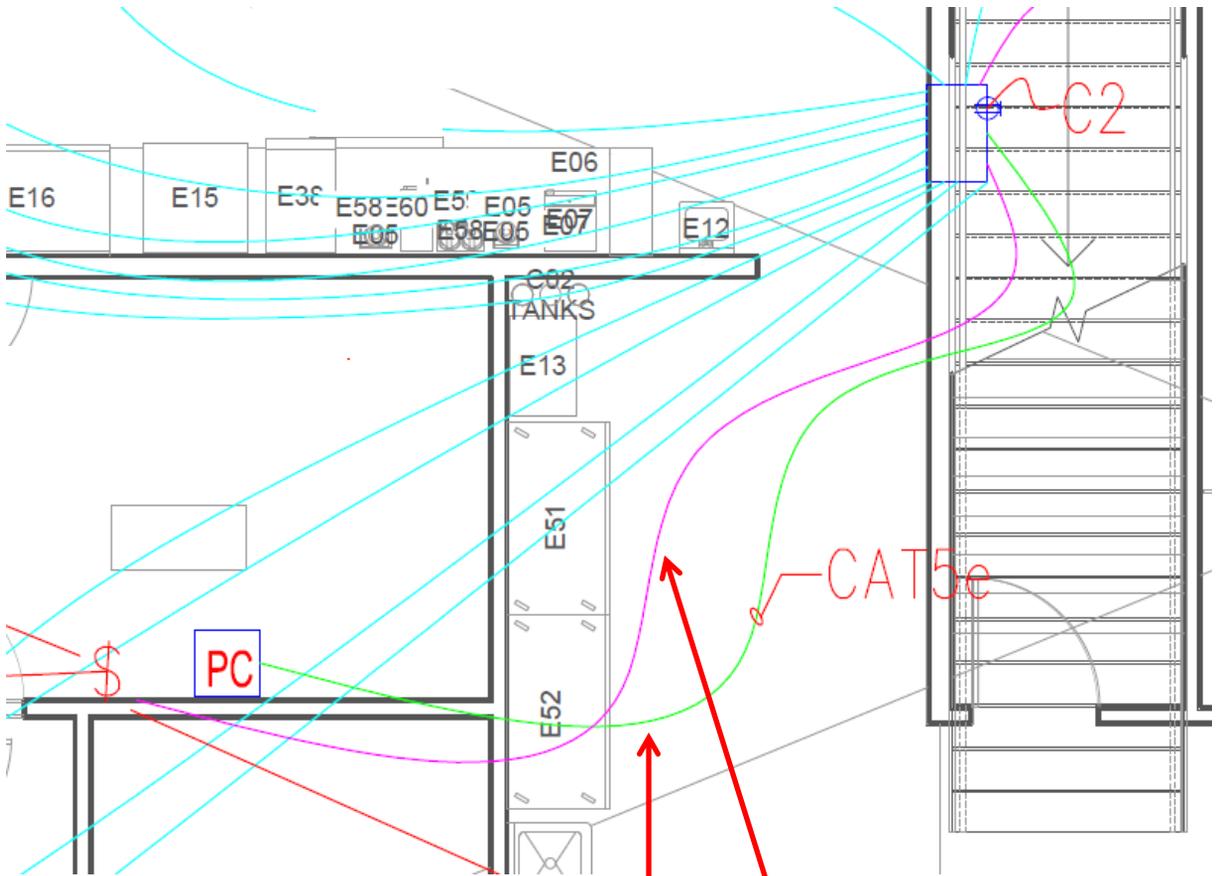
CAT5e Cable & 18/2 Shielded Cable

10. Install a 18/2 shielded cable from the fire system contact to the equipment rack position.

TO FIRE SYSTEM RELAY
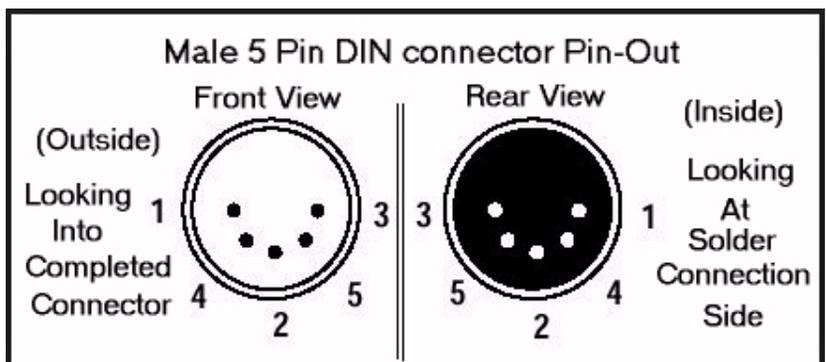
DMX ADDR: 51

18/2 Shielded Cable

11. Mount Equipment Rack

- Be sure the equipment rack is properly secured to block or wall studs.
- Pull and secure all control cables to rack position.

12. Install Control Cable Connectors

- Soldier on the male 5-Pin XLR connectors.
  Pin #1- Shield
  Pin #2 – Positive (White Or Red Cable)
  Pin #3 - Negative (Black Cable)

13. Energize The System

- When the fixtures are energized without the equipment rack having power; the lamps in the high bay fixtures will default to white.

- When the equipment rack and the high bay fixtures are energized and the lighting control PC is not connected the high bay fixtures will not have any output. Or will look to be off.

14. Connect the control PC to the CAT5e control cable.

14. Turn on PC and start control software.

14. Select a lighting playback.
- The lighting should play the light scene selected.
- Then customize your programming

17. If the system does not operate correctly:
- Check to be sure the entire system has power.
- Check all cable connections.
- Check the software is configured correctly
- Test one universe at a time.

Contact DFX with questions.