

Synapse Audio Visual Designs, LLC  
Broad Street Facade Lighting Renovation Plans



Synapse Audio Visual Designs, LLC  
411 Sette Dr. Suite N3  
Paramus, NJ 07652  
O: 201.576.9200

Principals:  
Stephen M. Cannella, LC ETCP  
Christopher P. Obsuth, DMC-E 4K

# Pennsylvania Convention Center

Philadelphia, PA

## Drawing Index

| Sheet Number | Page Name                            | (A) Issued For Review | (B) Issued For Bid | (C) Issued For Bid |  |  |  |  |  |
|--------------|--------------------------------------|-----------------------|--------------------|--------------------|--|--|--|--|--|
|              |                                      | 11/4/22               | 11/18/22           | 12/24/22           |  |  |  |  |  |
| L-X1         | Title Page                           | X                     | X                  | X                  |  |  |  |  |  |
| L-X2         | Legend                               | X                     | X                  |                    |  |  |  |  |  |
| L-E1.1       | Option 1 - Elevation Key Plan        | X                     | X                  |                    |  |  |  |  |  |
| L-E1.2       | Option 1 - Section View / Details    | X                     | X                  |                    |  |  |  |  |  |
| L-E1.3       | Option 1 - Elevation Detail 1of3     | X                     | X                  |                    |  |  |  |  |  |
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| L-E1.5       | Option 1 - Elevation Detail 3of3     | X                     | X                  |                    |  |  |  |  |  |
| L-S1         | Option 1 - Signal Flow               | X                     | X                  |                    |  |  |  |  |  |
| L-E2.1       | Alternate - Elevation Key Plan       | X                     | X                  |                    |  |  |  |  |  |
| L-E2.2       | Alternate - Section View / Details   | X                     | X                  |                    |  |  |  |  |  |
| L-E2.3       | Alternate - Elevation Detail 1of3    | X                     | X                  |                    |  |  |  |  |  |
| L-E2.4       | Alternate - Elevation Detail 2of3    | X                     | X                  |                    |  |  |  |  |  |
| L-E2.5       | Alternate - Elevation Detail 3of3    | X                     | X                  |                    |  |  |  |  |  |
| L-S2         | Alternate - Signal Flow              | X                     | X                  |                    |  |  |  |  |  |
| L-E3.1       | Alternate 2 - Elevation Key Plan     | X                     | X                  | X                  |  |  |  |  |  |
| L-E3.2       | Alternate 2 - Section View / Details | X                     | X                  | X                  |  |  |  |  |  |
| L-E3.3       | Alternate 2 - Elevation Detail 1of3  | X                     | X                  | X                  |  |  |  |  |  |
| L-E3.4       | Alternate 2 - Elevation Detail 2of3  | X                     | X                  | X                  |  |  |  |  |  |
| L-E3.5       | Alternate 2 - Elevation Detail 3of3  | X                     | X                  | X                  |  |  |  |  |  |
| L-S3         | Alternate 2 - Signal Flow            | X                     | X                  | X                  |  |  |  |  |  |
| L-C1         | Current Conditions EL-601            | X                     | X                  |                    |  |  |  |  |  |
| L-C2         | Current Conditions EL-602            | X                     | X                  |                    |  |  |  |  |  |
| L-C3         | Current Conditions EL-603            | X                     | X                  |                    |  |  |  |  |  |
| L-C4         | Current Conditions EL-604            | X                     | X                  |                    |  |  |  |  |  |
| L-C5         | Current Conditions EL-605            | X                     | X                  |                    |  |  |  |  |  |
| L-C6         | Current Conditions EL-606            | X                     | X                  |                    |  |  |  |  |  |

| Issued For Bid | Date       | Issued Notes      |
|----------------|------------|-------------------|
| C              | 12/24/2022 | Issued For Bid    |
| B              | 11/18/2022 | Issued For Bid    |
| A              | 11/4/2022  | Issued For Review |

| Revision No. | Date | Revision Notes |
|--------------|------|----------------|
|              |      |                |

|                  |             |
|------------------|-------------|
| Drawn By:        | SMC         |
| Checked By:      | CPO         |
| Project Manager: | Cannella    |
| Sheet Scale:     | Sheet Scale |
| Date:            | Date        |

Client Philadelphia Convention Center



Client Address: 1101 Arch St.  
Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Title Page

Sheet Number: L-X1



RESPONSIBILITIES (SEE BID PACKAGE)

ELECTRICAL LEGEND (WALL SWITCH OR DISCONNECT, JUNCTION BOX, RECEPTACLE SINGLE, etc.)

HEAT LOAD AND BTU CALCULATION (HEAT LOAD CALCULATIONS / HVAC TREATMENT)

KEY (ALL SYMBOLS ARE NTS AND ARE FOR REFERENCE PURPOSES ONLY)

ABBREVIATIONS (A AMPERES, A/V AUDIO VISUAL, A.F.C ABOVE FINISHED CEILING)

ELECTRICAL LEGEND (ANTENNA, AUDIO INPUT JACK, AUDIO OUTPUT JACK, etc.)

ELECTRICAL LEGEND (KEYNOTES, Circuit Designator Example)

ELECTRICAL LEGEND (KEYNOTES, Circuit Designator Example)

LIGHTING FIXTURE SCHEDULE (Table with columns: ID, Fixture Type, Manufacturer, Model Name, Model Number)

DRIVER SCHEDULE (Table with columns: Driver Location, Location Description, Driver ID, Manufacturer, Model, KINET Universe, Panel ID, Circuit Number, Feed Voltage, Wattage)

DETAIL SYMBOL KEY (WIRE TAG, JUNCTION BOX TAG, DEVICE TAG)

REVISION NOTES (Table with columns: No., Date, Issued For Bid, Issued For Review)



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Revision Notes (Table with columns: No., Date, Revision Notes)

Drawn By: SMC, Checked By: CPO, Project Manager: Cannella, Sheet Scale: Street Scale, Date:

Client: Philadelphia Convention Center



Client Address: 1101 Arch St. Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Legend Page

Sheet Number: L-X2

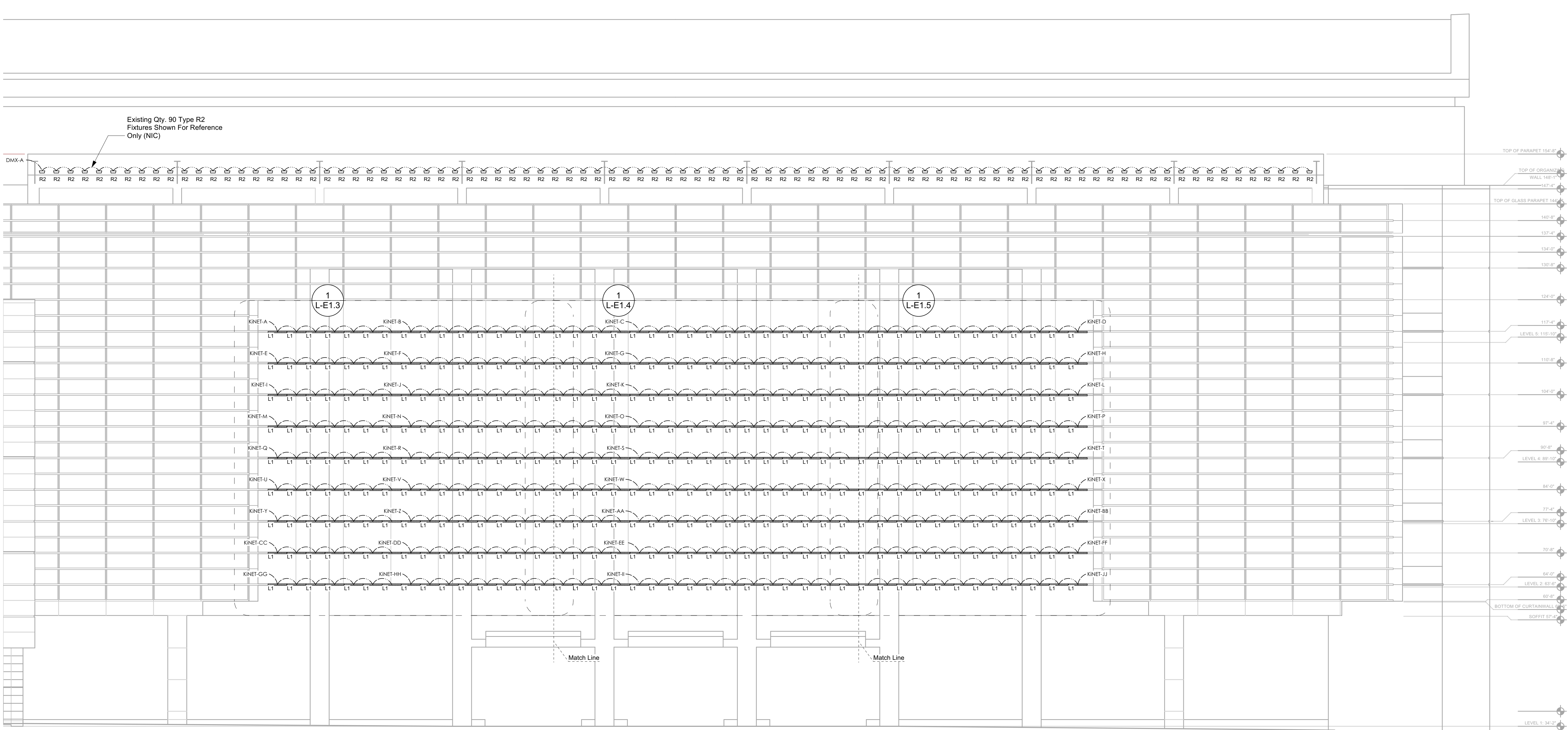




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F.3 F.4 F.8 H H.2 H.5 H.8 K K.2 K.5 K.8 M M.2 M.5 M.8 P P.2 P.8 P.9 R R.4 R.5



1 Option 1 - Elevation Key Plan  
 Scale: 3/32" = 1'-0"

| No. | Date       | Revision Notes | No. | Date      | Issued Notes      |
|-----|------------|----------------|-----|-----------|-------------------|
| B   | 11/18/2022 | Issued For Bid | A   | 11/4/2022 | Issued For Review |

|           |     |             |     |                  |          |              |             |       |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|
| Drawn By: | SMC | Checked By: | CPO | Project Manager: | Cannella | Sheet Scale: | Sheet Scale | Date: |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



Client Address: 1101 Arch St. Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Option 1 - Elevation Key Plan

Sheet Number: L-E1.1



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|     |      |                |

|                  |          |              |             |
|------------------|----------|--------------|-------------|
| Drawn By:        | SMC      | Date:        |             |
| Checked By:      | CPO      | Sheet Scale: | Sheet Scale |
| Project Manager: | Cannella | Date:        |             |

Client: Philadelphia Convention Center



Client Address:  
 1101 Arch St.  
 Philadelphia, PA 19107

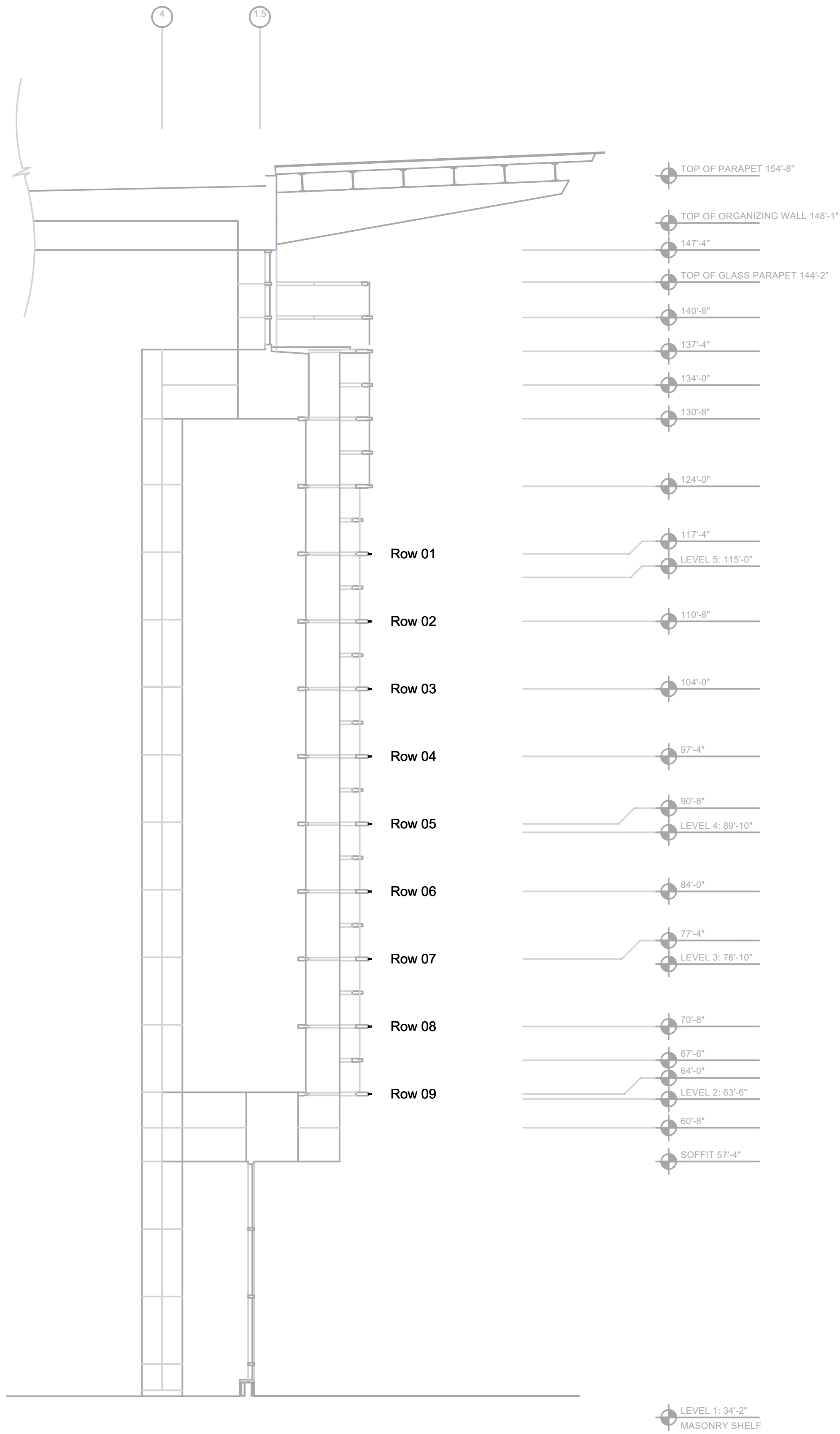
Client ID: Philo82321

Project Name:  
 Broad Street Facade  
 Lighting Renovation

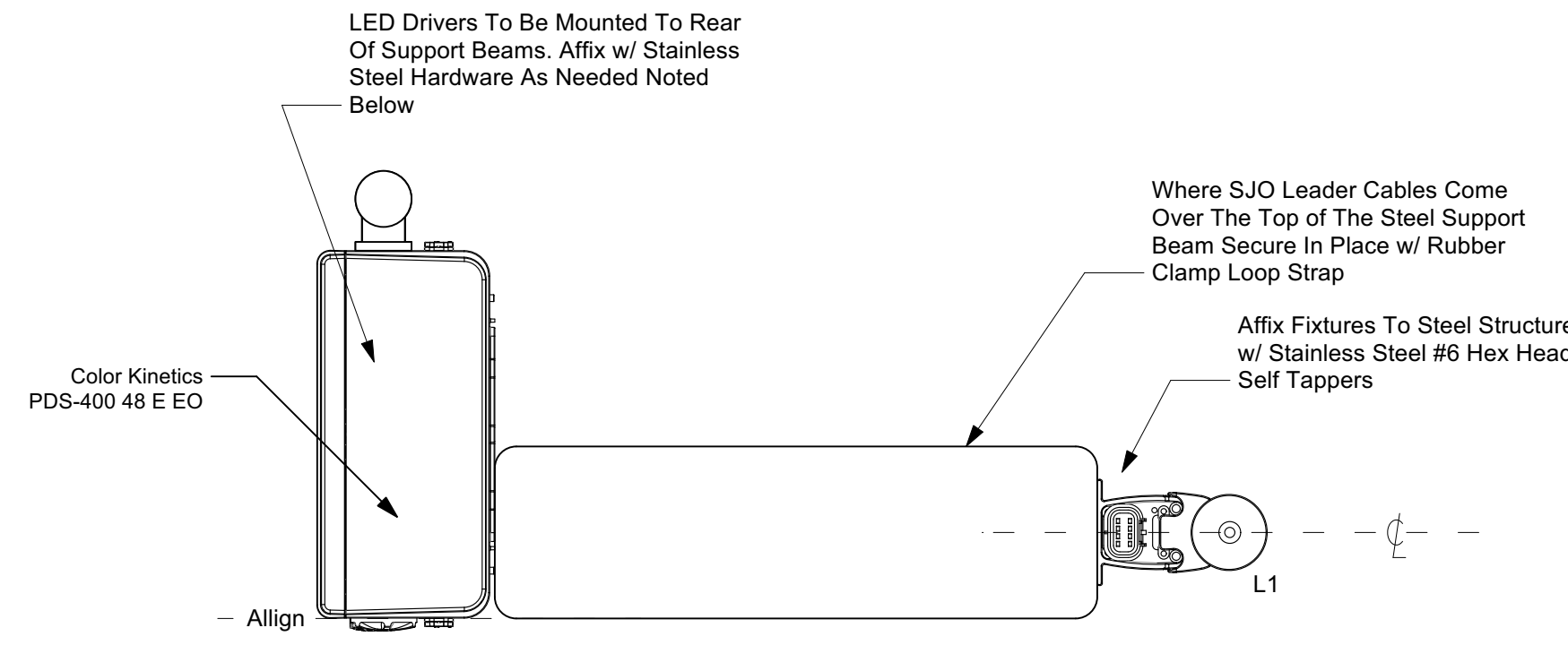
Sheet Title:  
 Option 1 -  
 Section View / Details

Sheet Number:

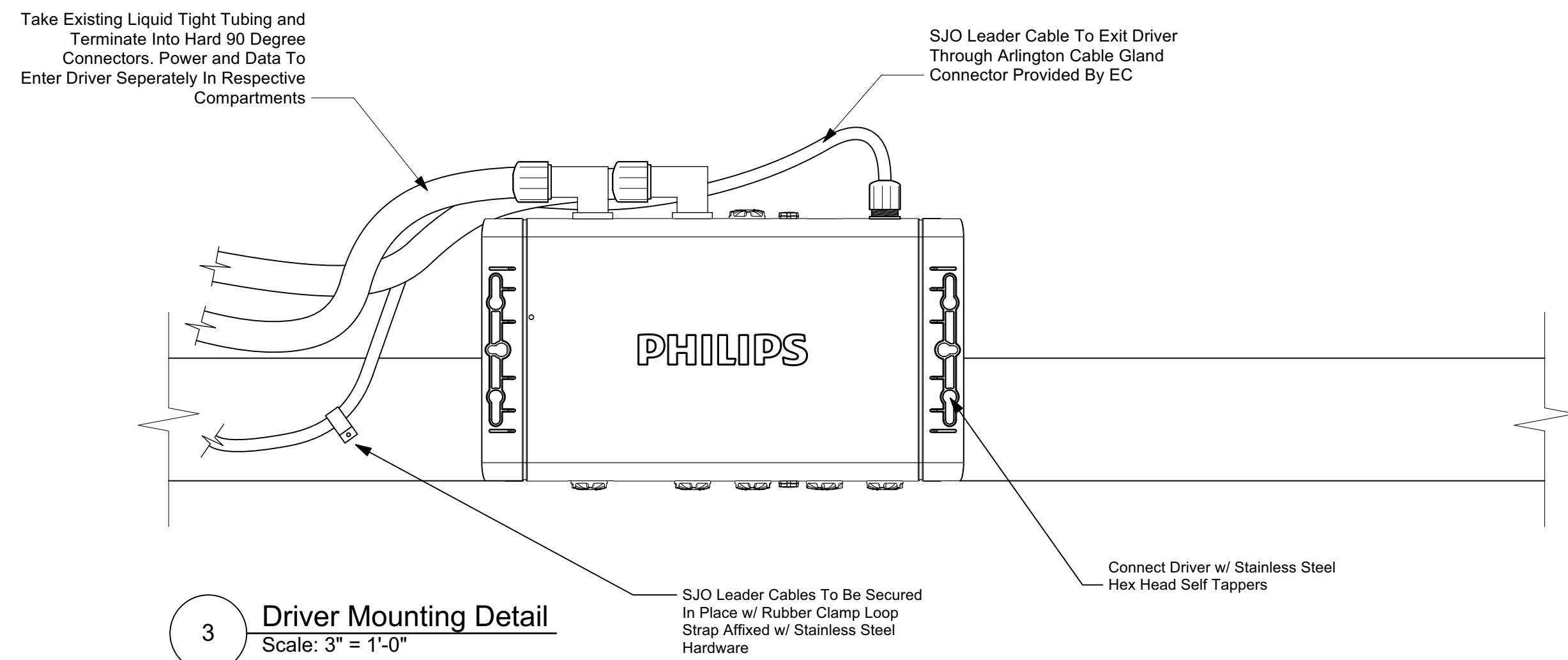
L-E1.2



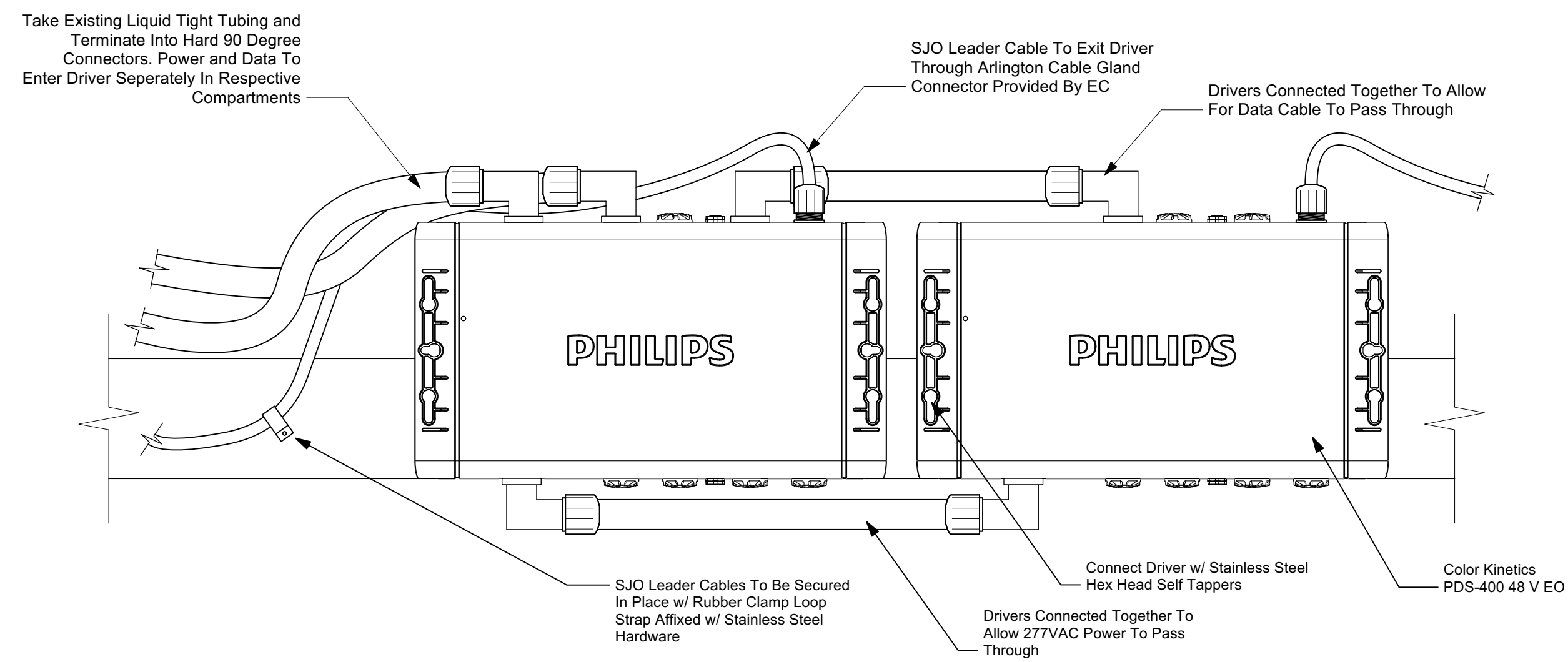
1 Option 1 - Section View  
 Scale: 1/8" = 1'-0"



2 Device Mounting Section Detail  
 Scale: 3" = 1'-0"

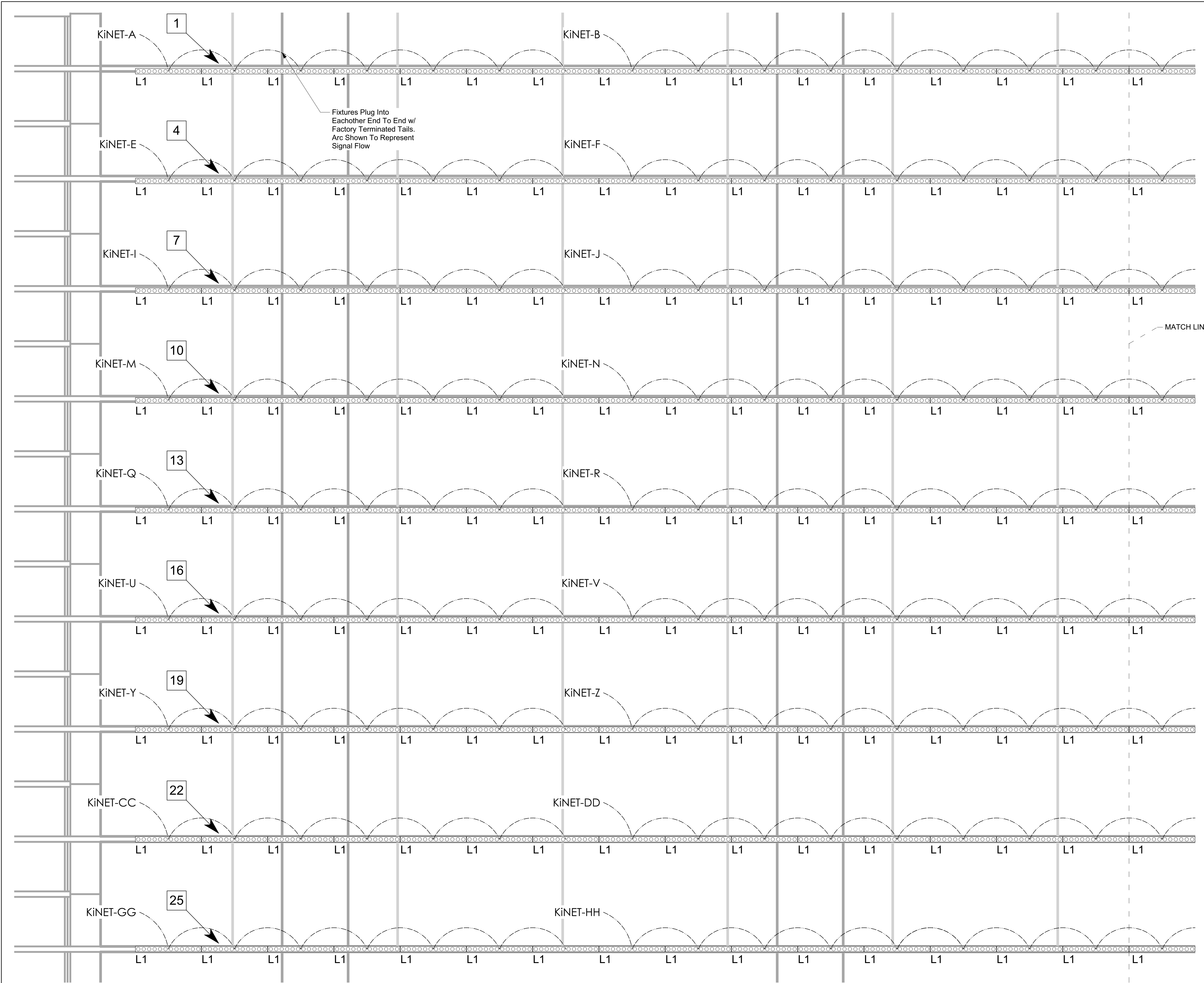


3 Driver Mounting Detail  
 Scale: 3" = 1'-0"



4 Dual Driver Mounting Detail  
 Scale: 3" = 1'-0"





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|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



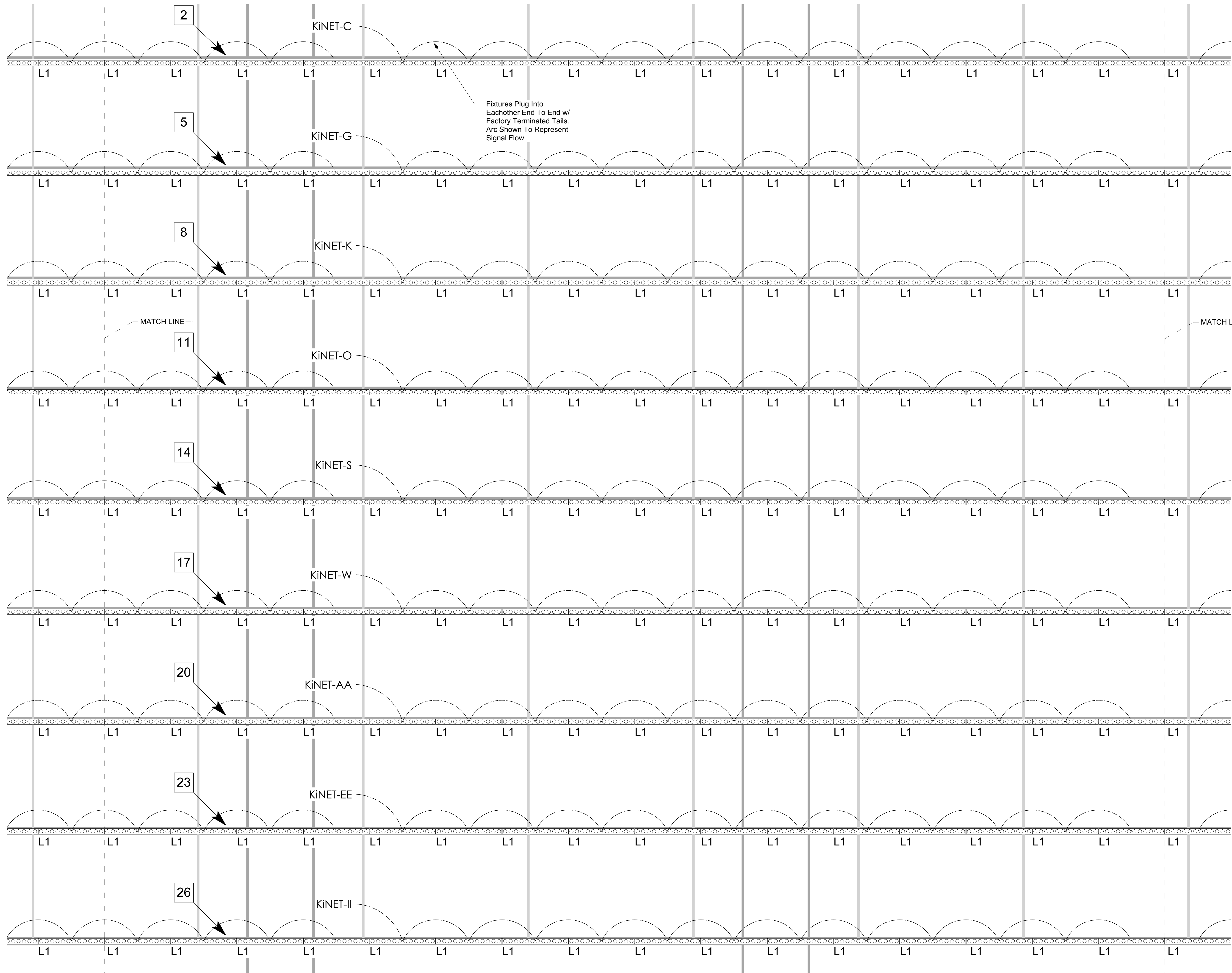
Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Option 1 - Elevation Detail 10f3

Sheet Number: **L-E1.3**



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|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

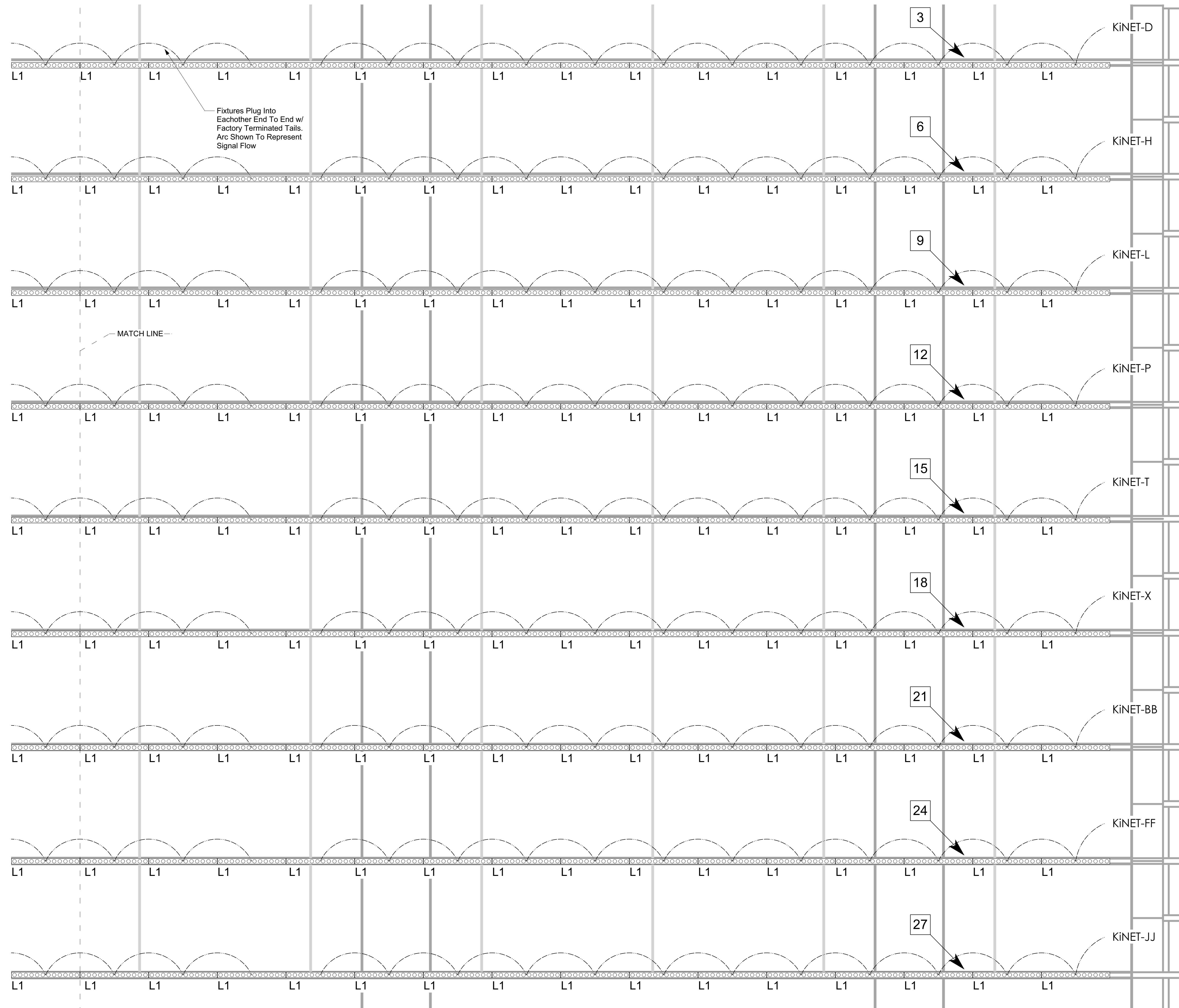
Client ID: Philo82321

Project Name: Broad Street Facade  
 Lighting Renovation

Sheet Title: Option 1 -  
 Elevation Detail 2of3

Sheet Number: **L-E1.4**





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| No. | Date | Revision Notes |
|-----|------|----------------|
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| Drawn By: | SMC | Checked By: | CPO | Project Manager: | Cannella | Sheet Scale: | Sheet Scale | Date: |  |
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Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Option 1 - Elevation Detail 3of3

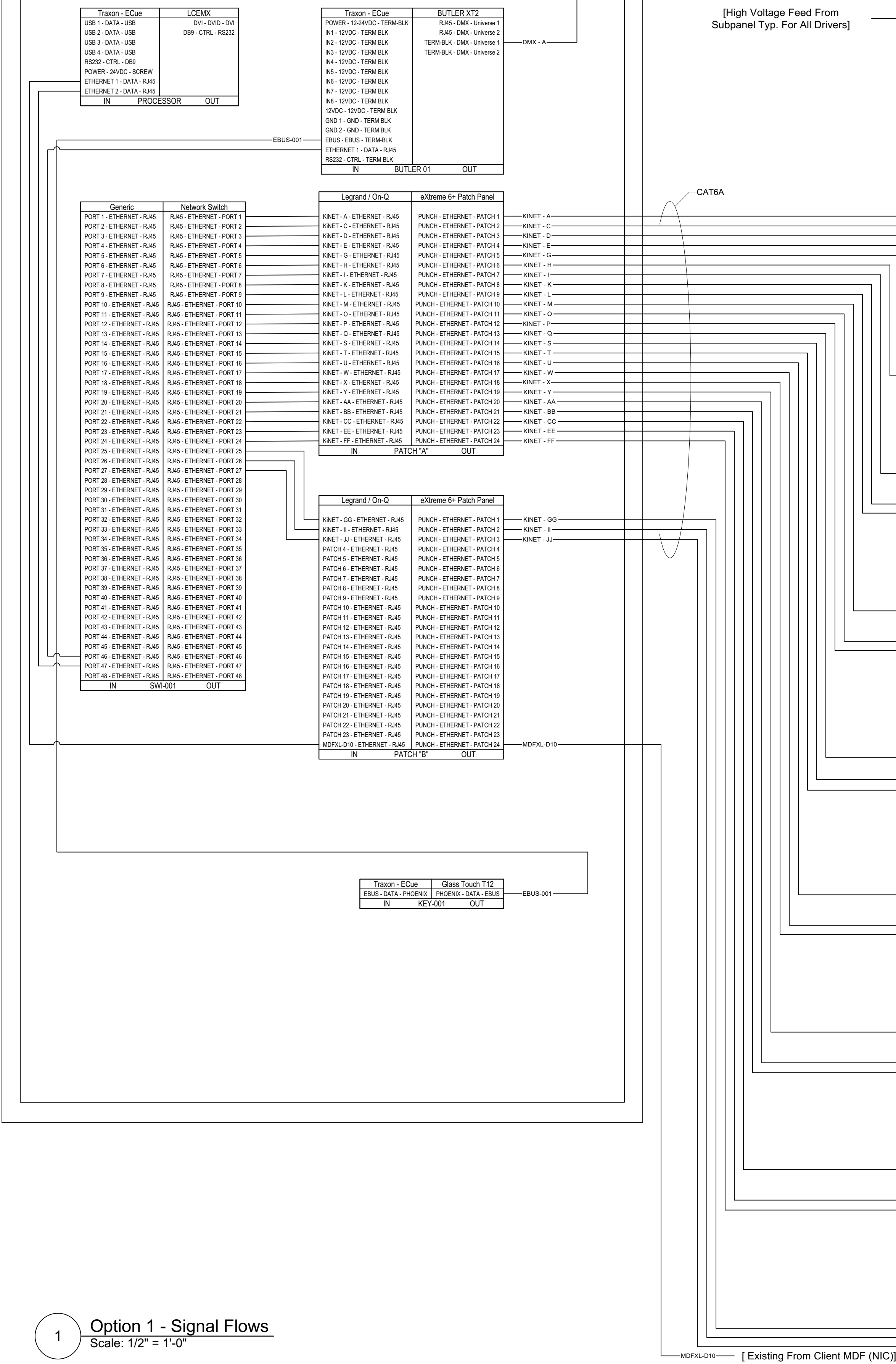
Sheet Number: **L-E1.5**



North Catwalk (NIC)

Broad Street Façade

Equipment Rack (NIC)

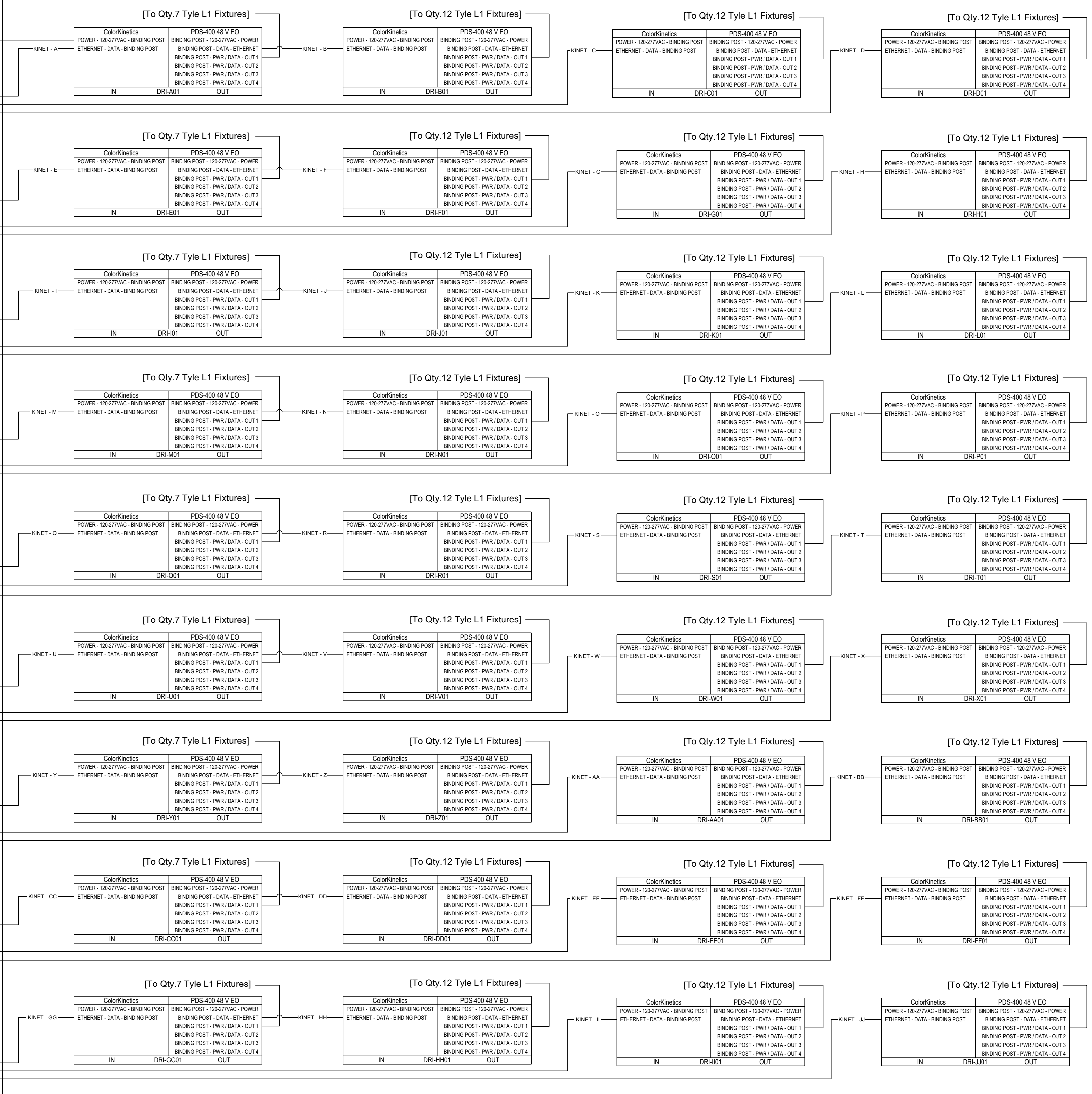


[To Qty.90 Existing L2 Fixtures (NIC)]

[High Voltage Feed From Subpanel Typ. For All Drivers]

CAT6A

[Existing From Client MDF (NIC)]



Option 1 - Signal Flows  
Scale: 1/2" = 1'-0"



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| Revision | Notes             | Date       | No. |
|----------|-------------------|------------|-----|
| B        | Issued For Bid    | 11/18/2022 |     |
| A        | Issued For Review | 11/4/2022  |     |

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|------------------|-------------|-------|--|
| Drawn By:        | SMC         | Date: |  |
| Checked By:      | CPO         |       |  |
| Project Manager: | Cannella    |       |  |
| Sheet Scale:     | Sheet Scale |       |  |

Client Philadelphia Convention Center



Client Address  
1101 Arch St.  
Philadelphia, PA 19107

Client ID Philo82321

Project Name  
Broad Street Façade  
Lighting Renovation

Sheet Title  
Option 1 -  
Signal Flows

Sheet Number

L-S1





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| A   | 11/4/2022  | Issued For Review |

| No. | Date | Revision Notes |
|-----|------|----------------|
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|------------------|-------------|-------|--|
| Drawn By:        | SMC         | Date: |  |
| Checked By:      | CPO         |       |  |
| Project Manager: | Cannella    |       |  |
| Sheet Scale:     | Sheet Scale |       |  |

Client: Philadelphia Convention Center



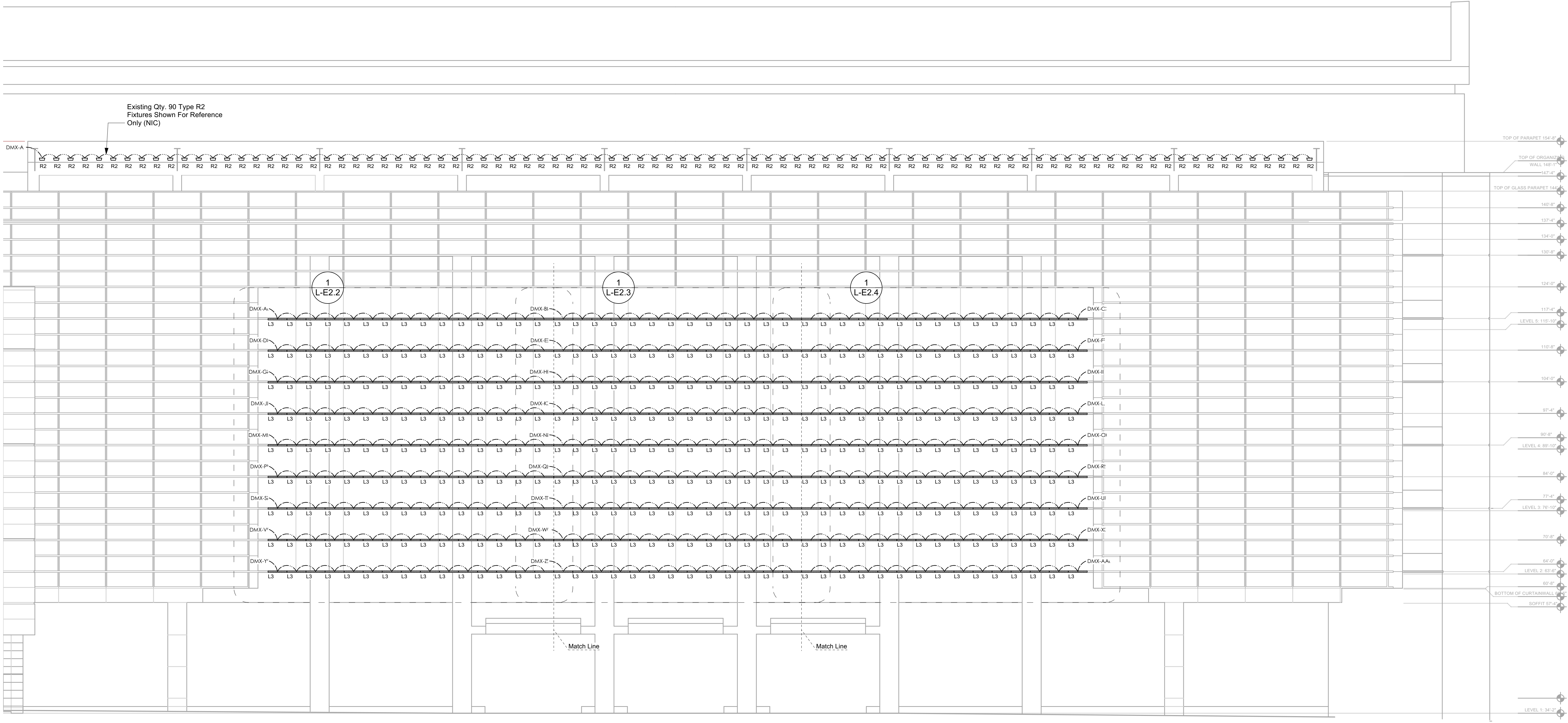
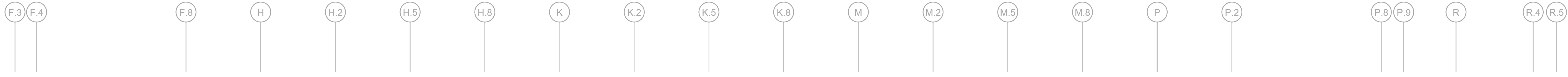
Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade  
 Lighting Renovation

Sheet Title: Alternate -  
 Elevation Key Plan

Sheet Number: L-E2.1



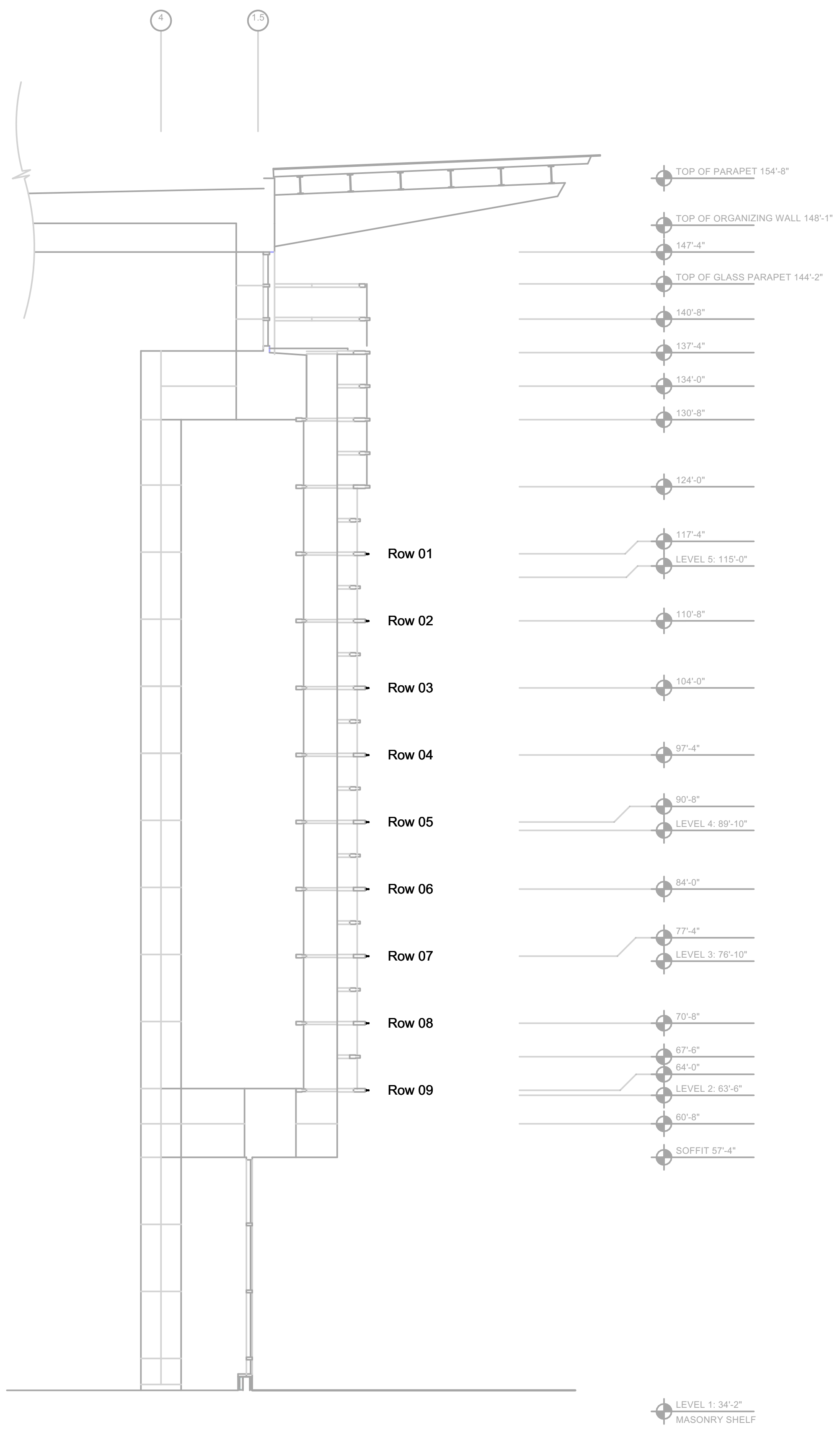
Existing Qty. 90 Type R2  
 Fixtures Shown For Reference  
 Only (NIC)

1  
 L-E2.2

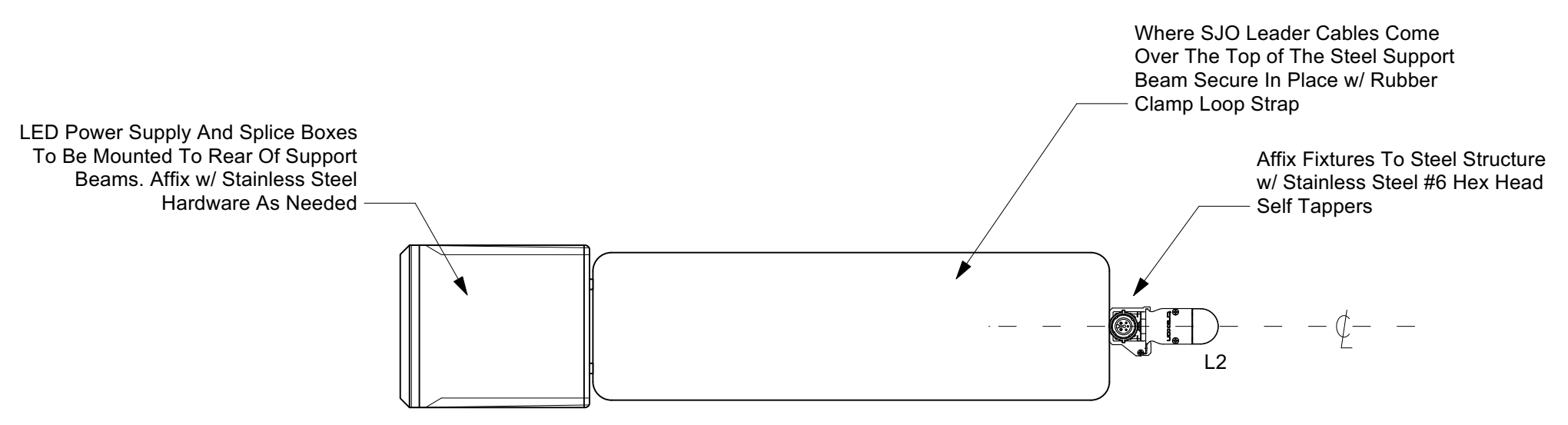
1  
 L-E2.3

1  
 L-E2.4

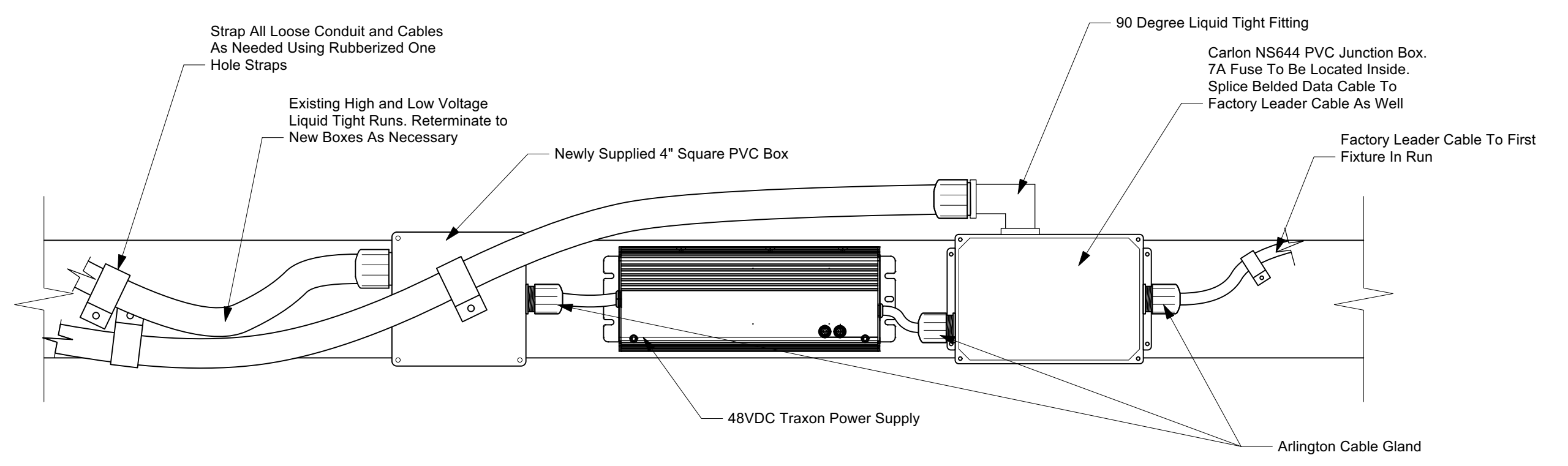
2 Alternate - Elevation Key Plan  
 Scale: 3/32" = 1'-0"



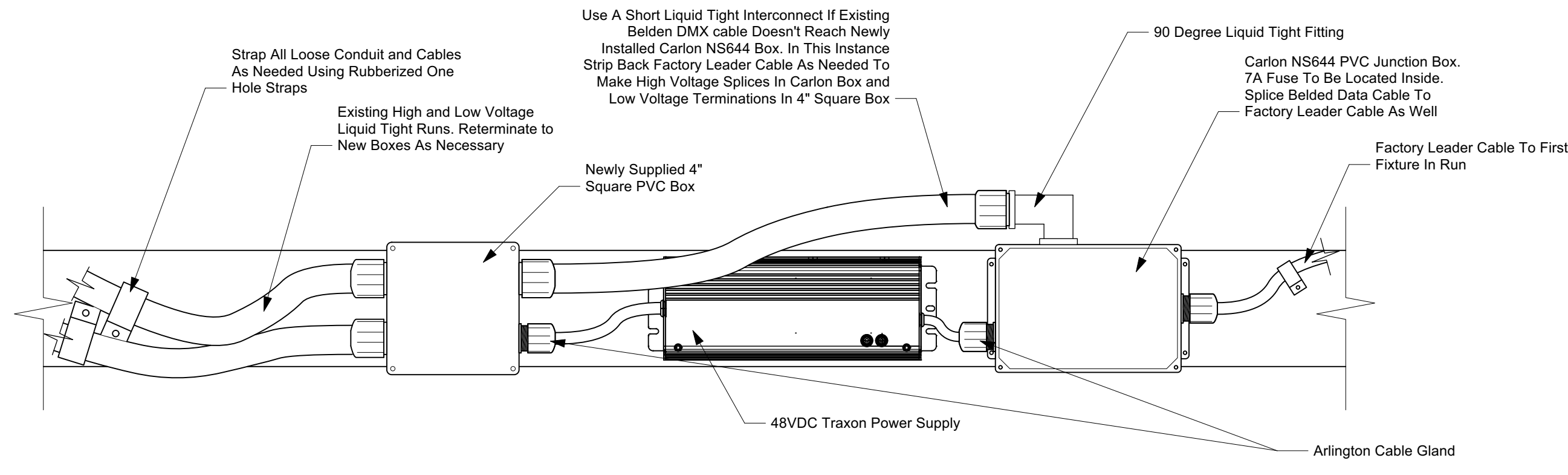
1 Option 1 - Section View  
Scale: 1/8" = 1'-0"



2 Device Mounting Section Detail  
Scale: 3" = 1'-0"



3 Driver Mounting Detail  
Scale: 3" = 1'-0"



4 Driver Mounting Detail Alternate Method  
Scale: 3" = 1'-0"



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|------------------|----------|--------------|-------------|
| Drawn By:        | SMC      | Date:        |             |
| Checked By:      | CPO      | Sheet Scale: | Sheet Scale |
| Project Manager: | Cannella |              |             |

Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
Philadelphia, PA 19107

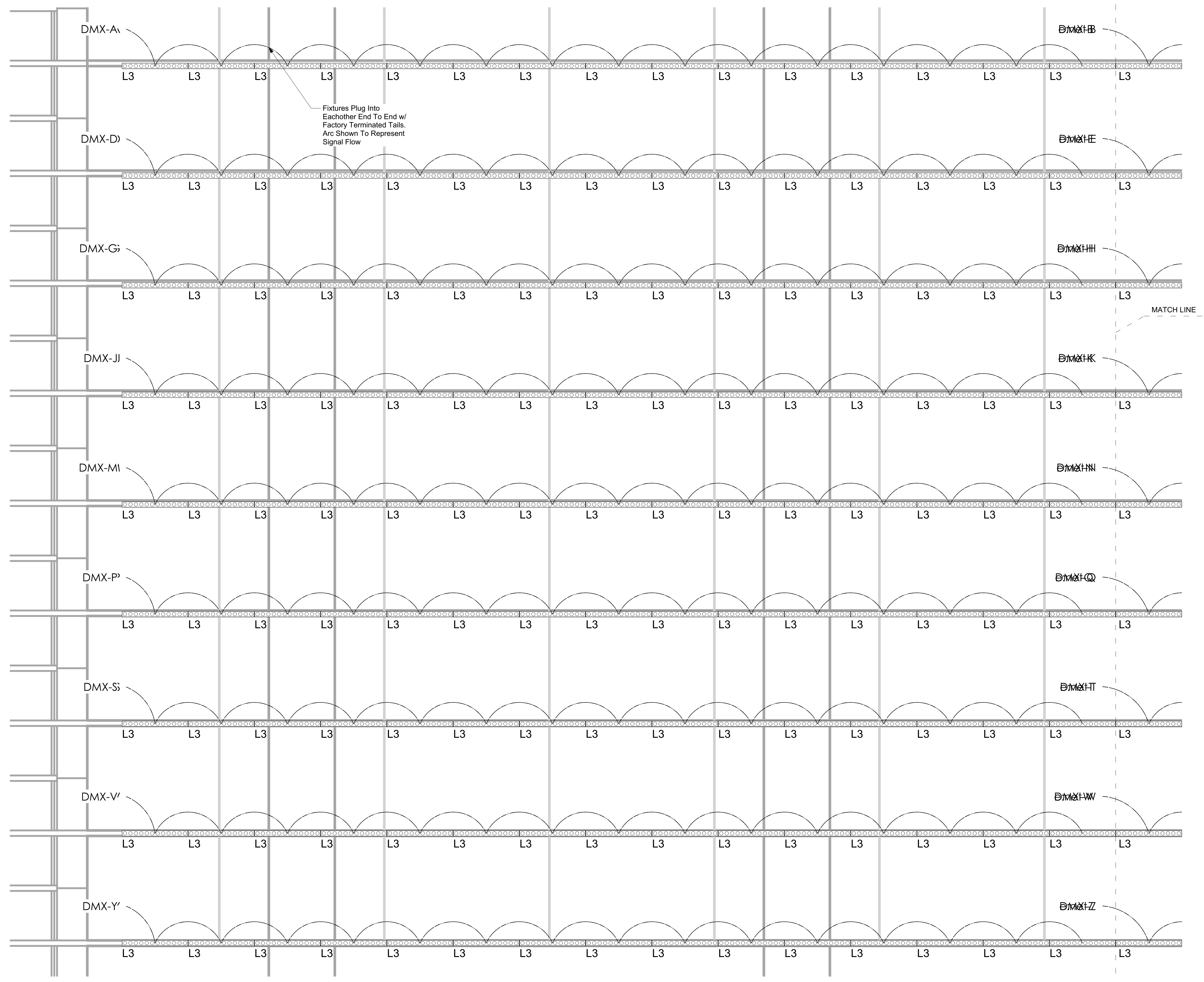
Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Alternate - Section View / Details

Sheet Number: L-E2.2





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|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|
| Drawn By: | SMC | Checked By: | CPO | Project Manager: | Cannella | Sheet Scale: | Sheet Scale | Date: |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



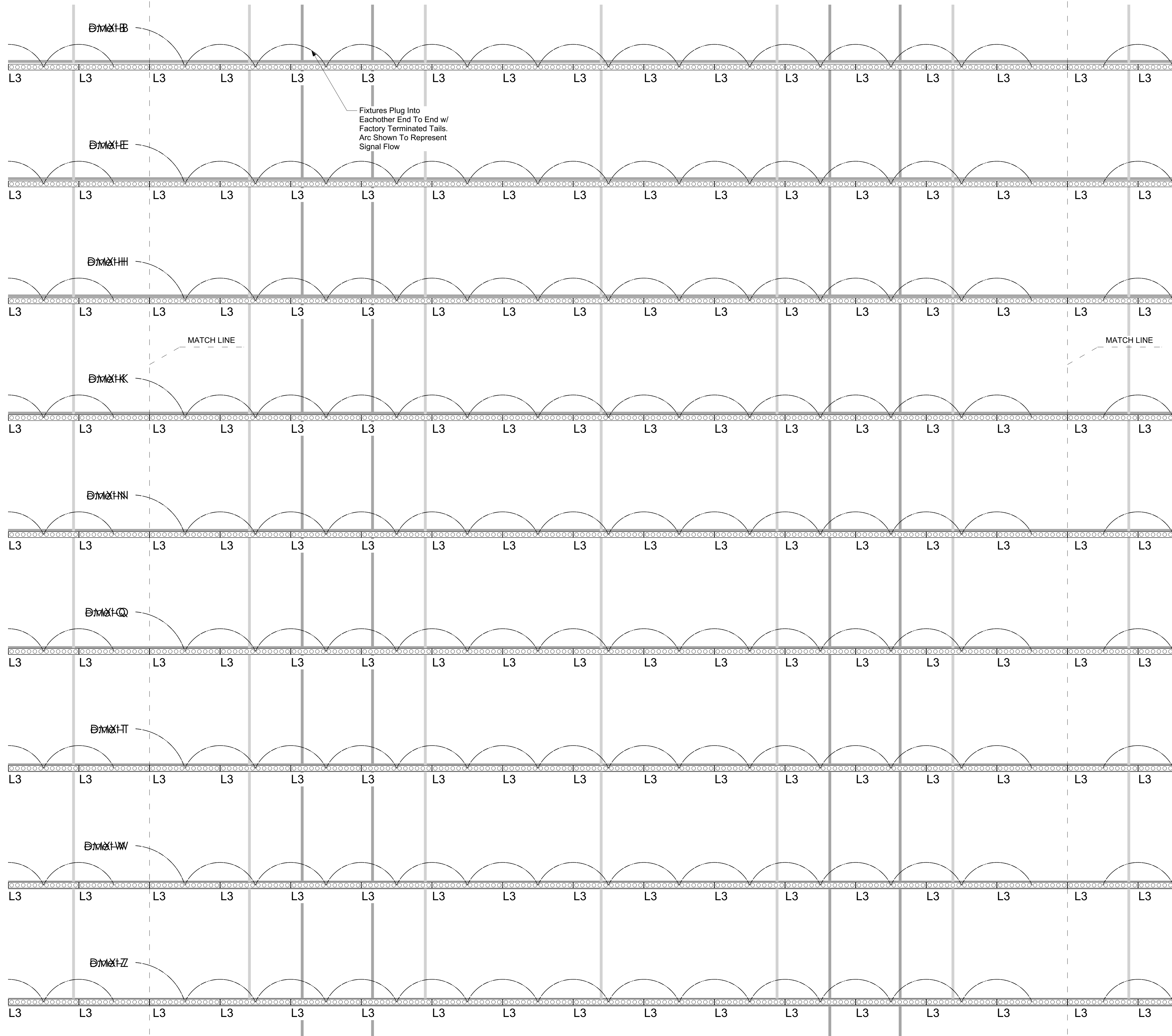
Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Alternate - Elevation Detail 1of3

Sheet Number: L-E2.3



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|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|
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Client Philadelphia Convention Center



Client Address: 1101 Arch St.  
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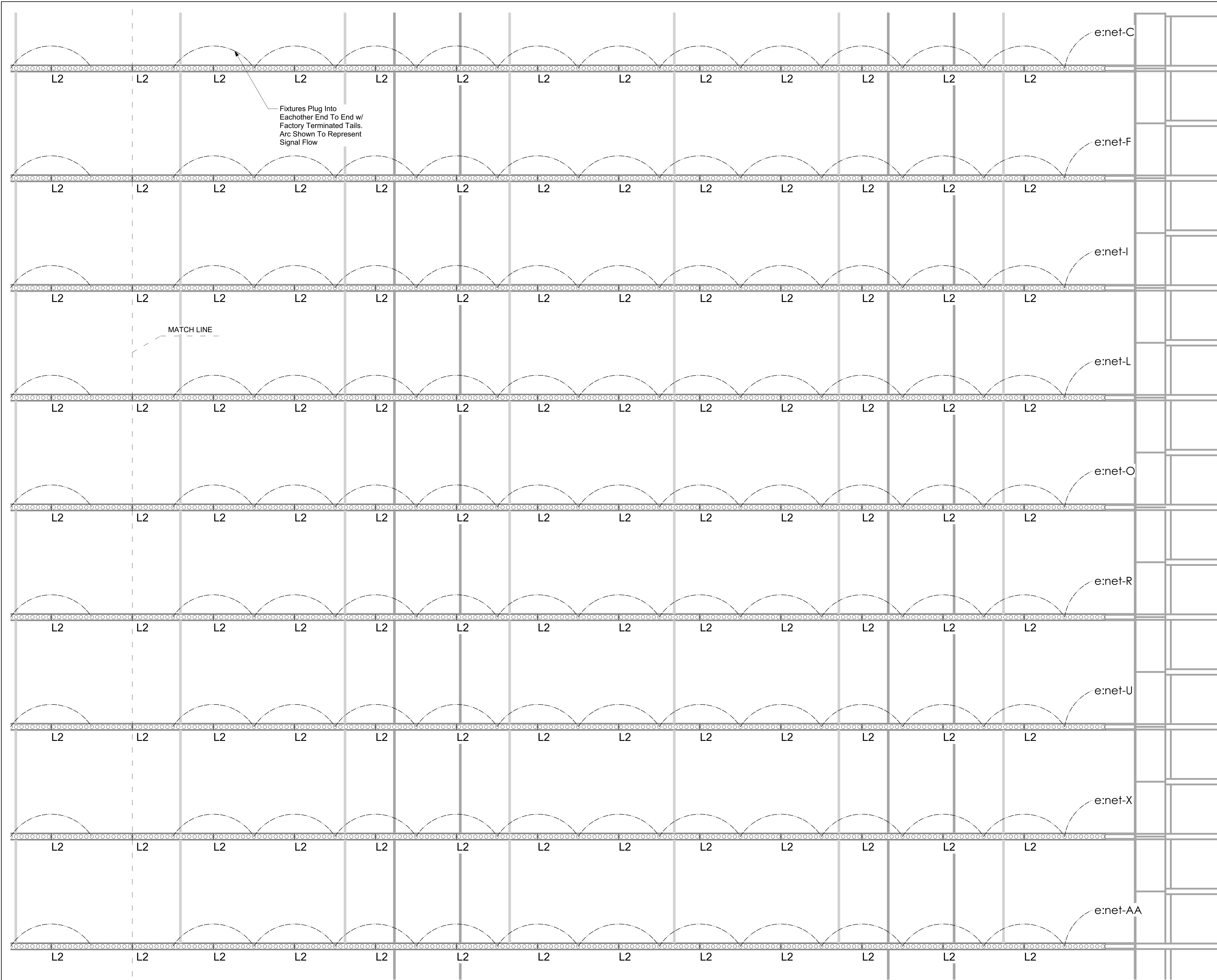
Project Name: Broad Street Facade  
 Lighting Renovation

Sheet Title: Alternate -  
 Elevation Detail 2of3

Sheet Number:

**L-E2.4**





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Client ID: Philo82321

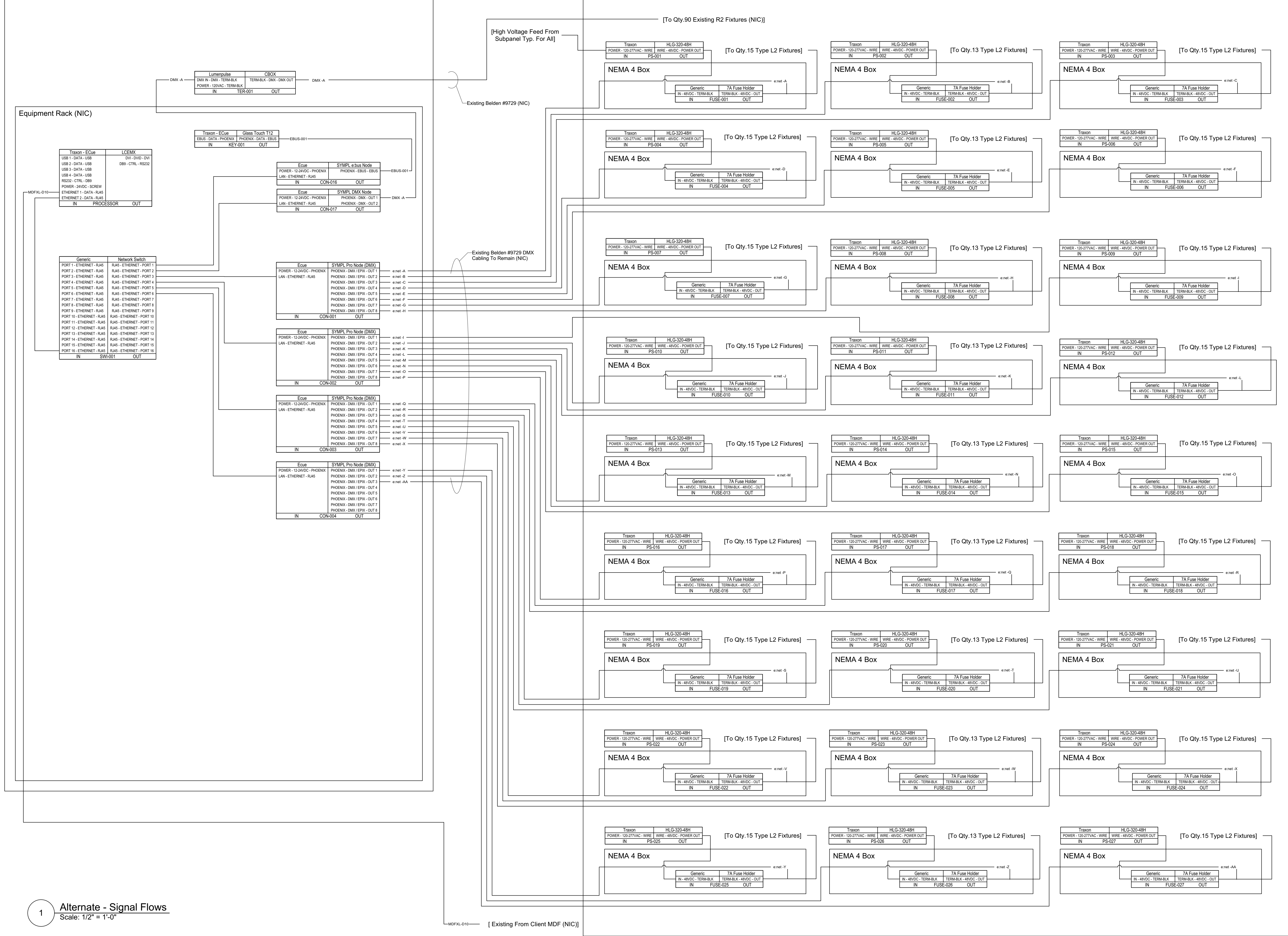
Project Name: Broad Street Facade  
 Lighting Renovation

Sheet Title: Alternate -  
 Elevation Detail 30f3

Sheet Number: **L-E2.5**

North Catwalk (NIC)

Broad Street Façade



1 Alternate - Signal Flows  
Scale: 1/2" = 1'-0"



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|                  |              |
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| Checked By:      | CPO          |
| Project Manager: | Cannella     |
| Sheet Scale:     | Street Scale |
| Date:            |              |

Client Philadelphia Convention Center



Client Address 1101 Arch St.  
Philadelphia, PA 19107

Client ID Philo82321

Project Name Broad Street Façade  
Lighting Renovation

Sheet Title Alternate - Signal Flow

Sheet Number L-S2

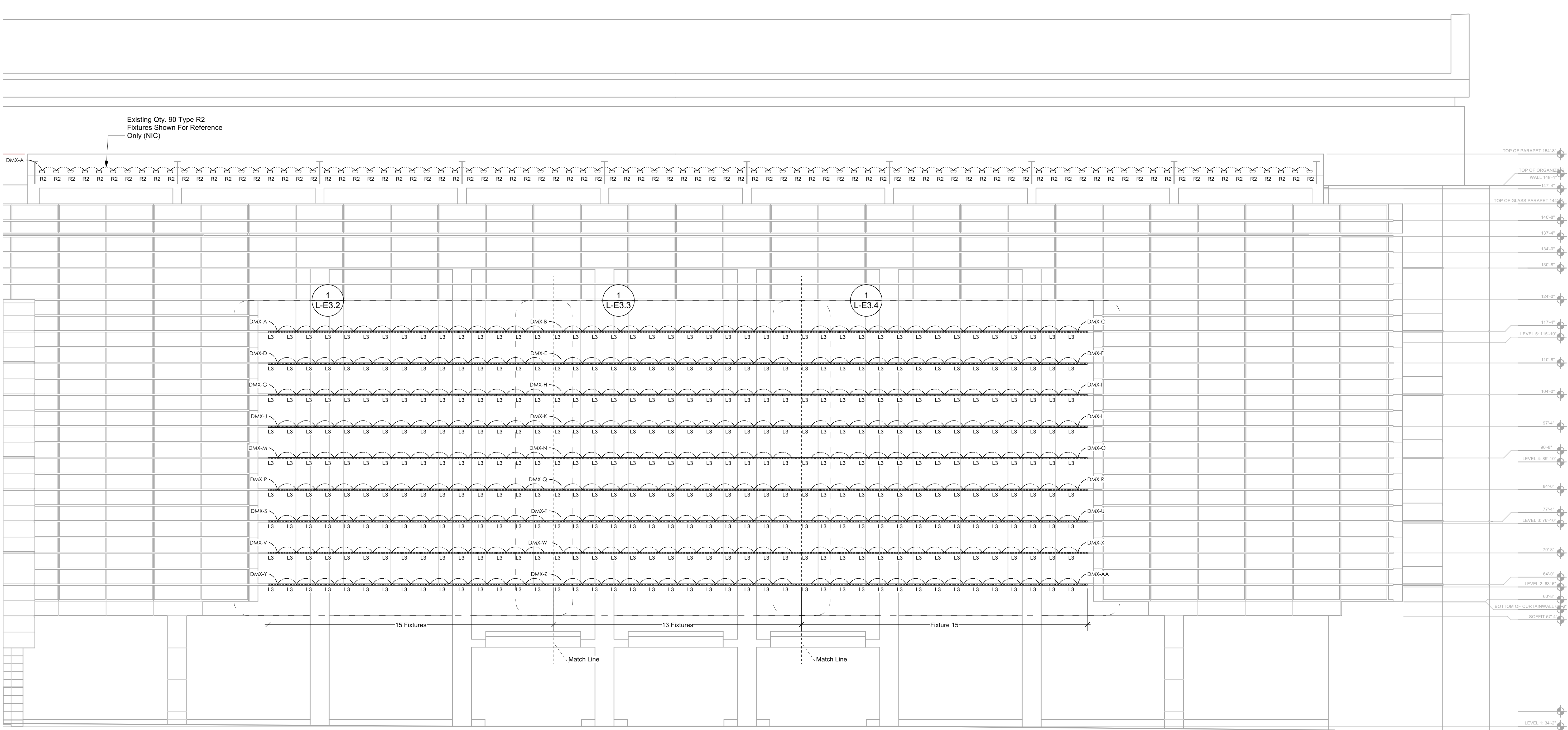




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F.3 F.4 F.8 H H.2 H.5 H.8 K K.2 K.5 K.8 M M.2 M.5 M.8 P P.2 P.8 P.9 R R.4 R.5



1 **Alternate 2 - Elevation Key Plan**  
 Scale: 3/32" = 1'-0"

| No. | Date       | Revision Notes | No. | Date | Issued Notes |
|-----|------------|----------------|-----|------|--------------|
| C   | 12/24/2022 | Issued For Bid |     |      |              |

|           |     |             |     |                  |          |              |             |       |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|
| Drawn By: | SMC | Checked By: | CPO | Project Manager: | Cannella | Sheet Scale: | Sheet Scale | Date: |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

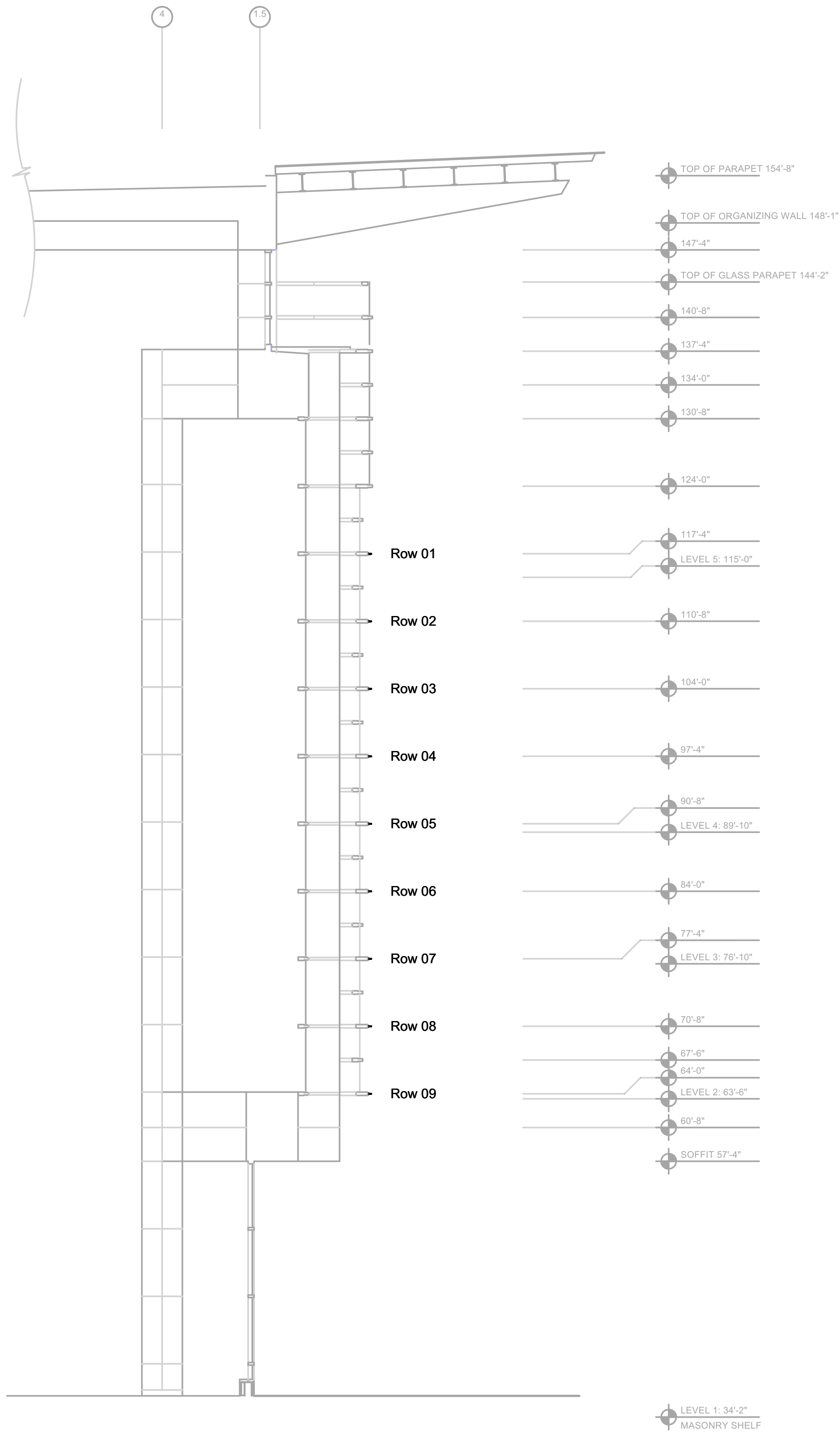
Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

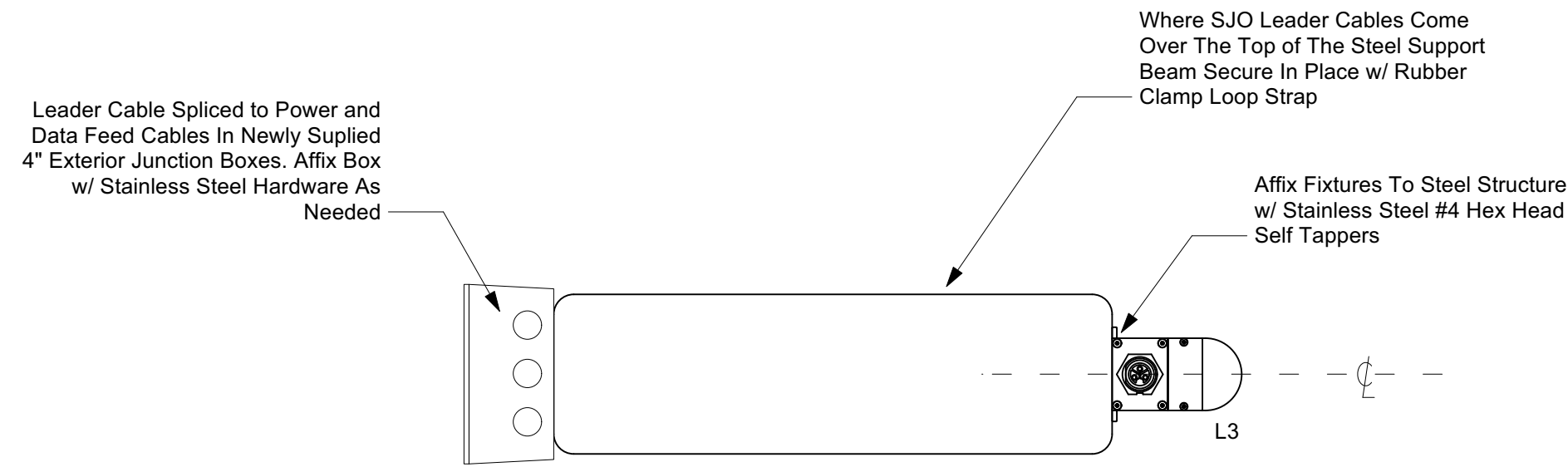
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Sheet Number:

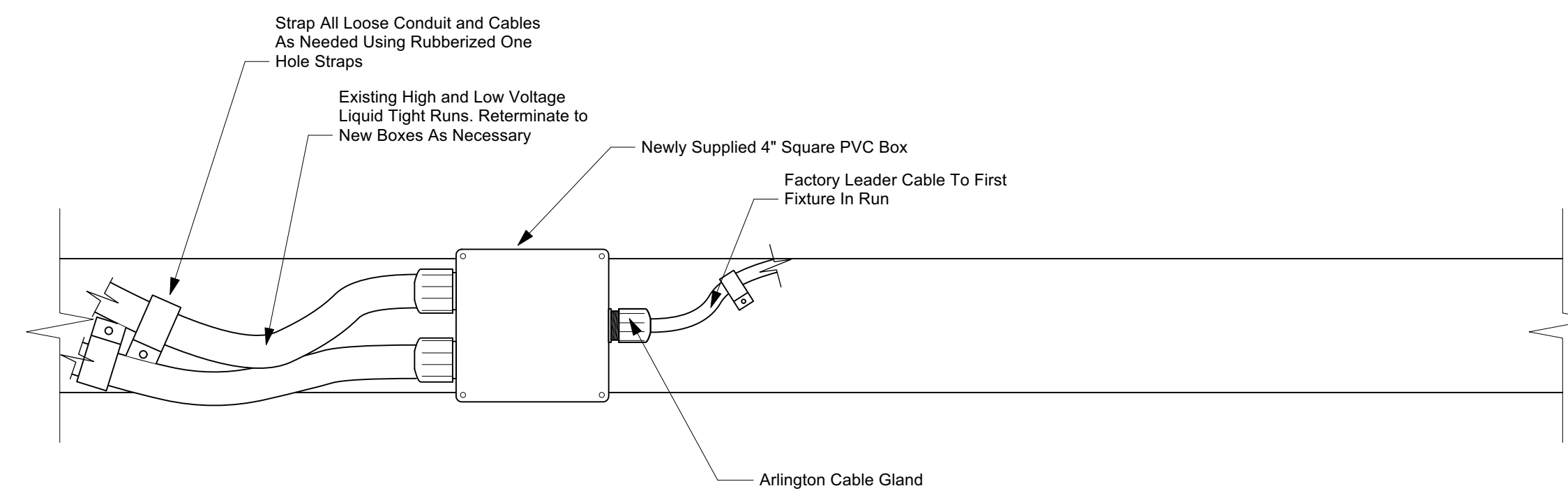
**L-E3.1**



1 **Alternate 2 - Section View**  
Scale: 1/8" = 1'-0"



2 **Device Mounting Section Detail**  
Scale: 3" = 1'-0"



3 **Driver Mounting Detail**  
Scale: 3" = 1'-0"



Synapse Audio Visual Designs, LLC  
411 Sette Dr. Suite N3  
Paramus, NJ 07652  
O: 201.576.9200

Principals:  
Stephen M. Cannella, LC EITP  
Christopher P. Obsuth, DMC-E 4K

| Issued For Bid | Date       | No. |
|----------------|------------|-----|
| C              | 12/24/2022 |     |

| Revision Notes | Date | No. |
|----------------|------|-----|
|                |      |     |

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| Drawn By: | SMC | Checked By: | CPO | Project Manager: | Cannella | Sheet Scale: | Sheet Scale | Date: |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade  
Lighting Renovation

Sheet Title: Alternate 2 -  
Section View / Details

Sheet Number:

**L-E3.2**





Synapse Audio Visual Designs, LLC  
 411 Sette Dr. Suite N3  
 Paramus, NJ 07652  
 O: 201.576.9200

Principals:  
 Stephen M. Cannella, LC ETCP  
 Christopher P. Obsuth, DMC-E 4K

| Issued For Bid | Date       |
|----------------|------------|
| C              | 12/24/2022 |

| Revision Notes | No. | Date |
|----------------|-----|------|
|                |     |      |

|                  |             |
|------------------|-------------|
| Drawn By:        | SMC         |
| Checked By:      | CPO         |
| Project Manager: | Cannella    |
| Sheet Scale:     | Sheet Scale |
| Date:            |             |

Client: Philadelphia Convention Center



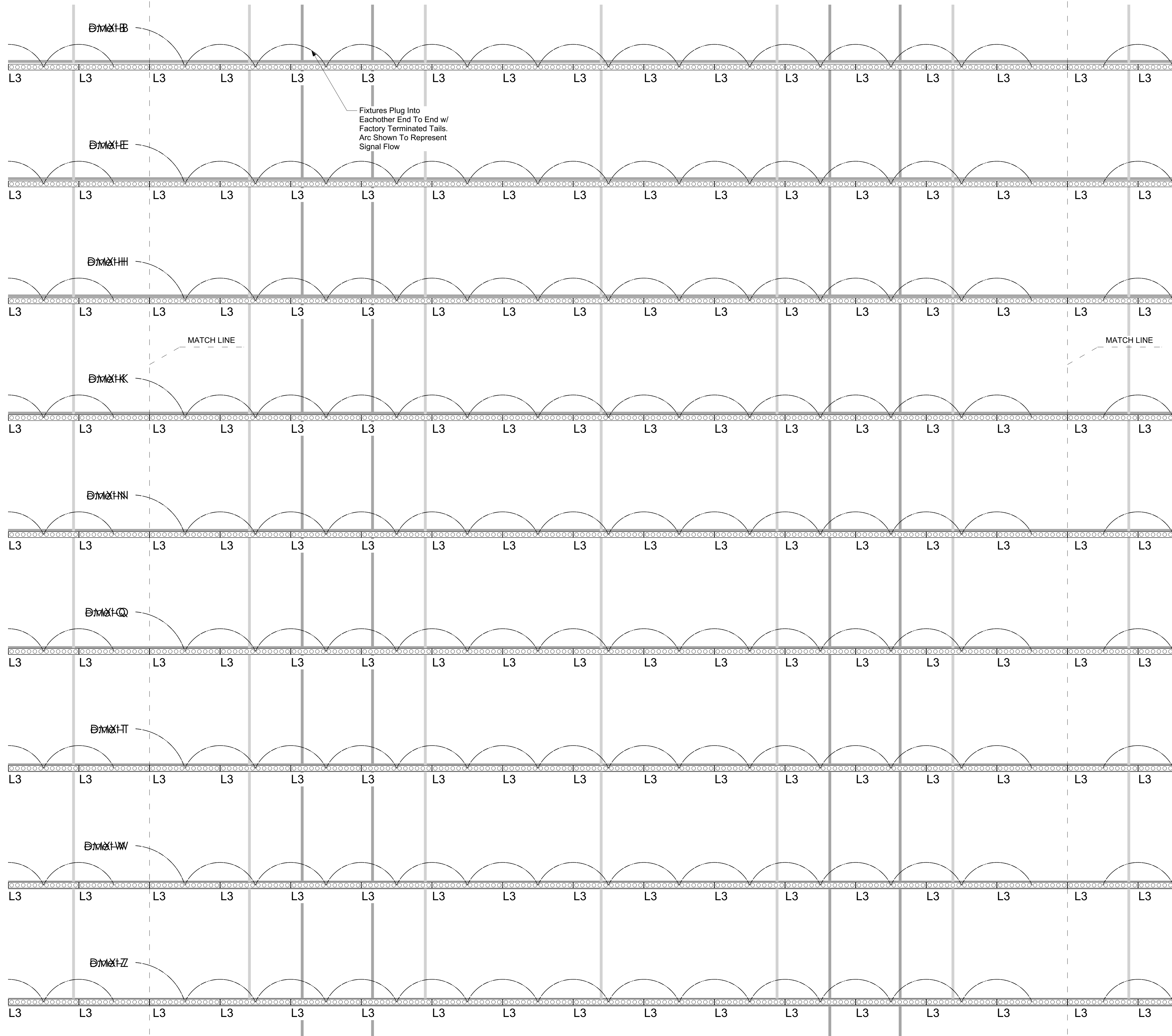
Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Alternate 2 - Elevation Detail 1of3

Sheet Number: L-E3.3



Synapse Audio Visual Designs, LLC  
 411 Sette Dr. Suite N3  
 Paramus, NJ 07652  
 O: 201.576.9200

Principals:  
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 Christopher P. Obsuth, DMC-E 4K

| Revision Notes | No. | Date       | Issued For     |
|----------------|-----|------------|----------------|
|                | C   | 12/24/2022 | Issued For Bid |

|           |     |             |     |                  |          |              |             |       |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|
| Drawn By: | SMC | Checked By: | CPO | Project Manager: | Cannella | Sheet Scale: | Sheet Scale | Date: |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

Client ID: Philo82321

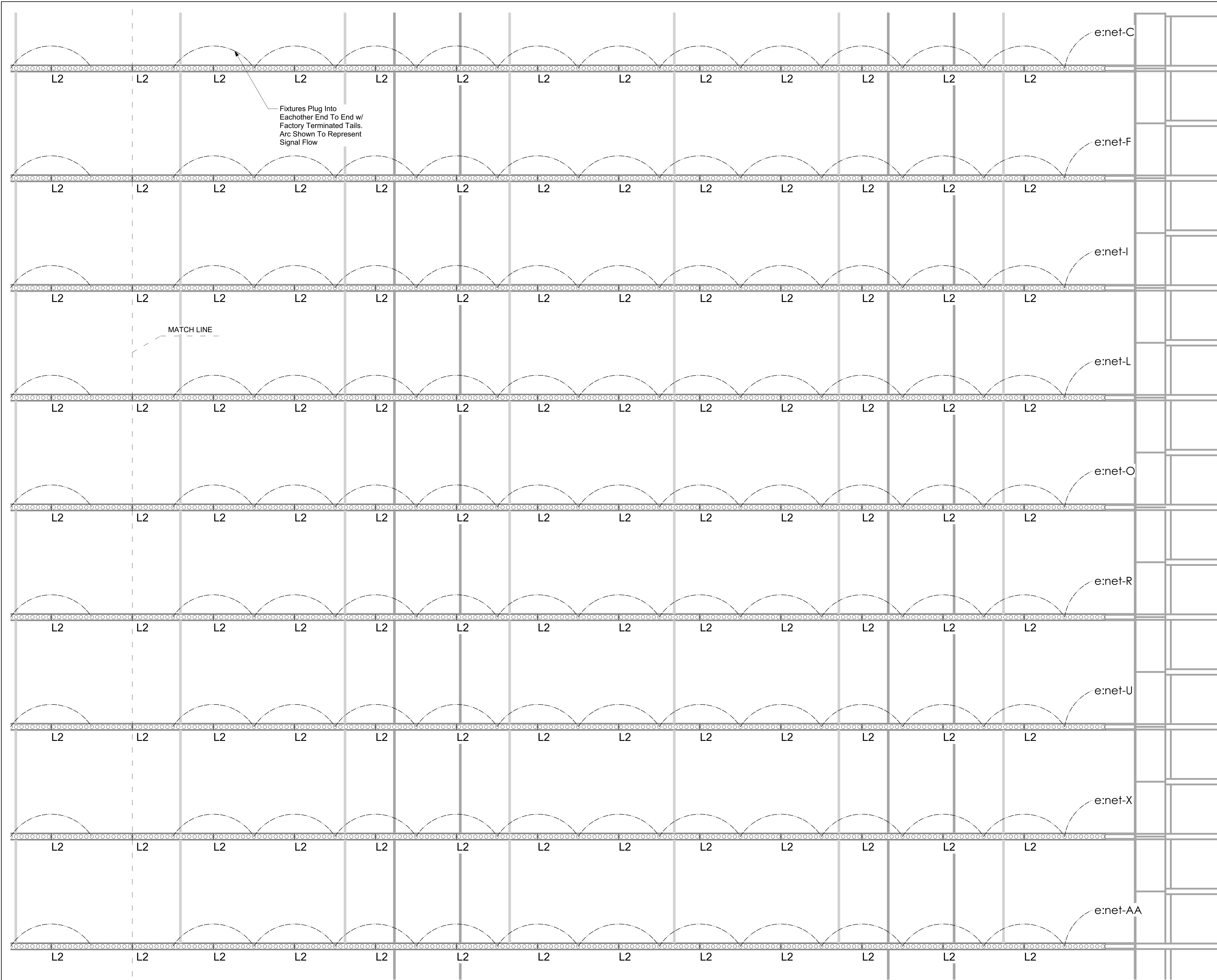
Project Name: Broad Street Facade  
 Lighting Renovation

Sheet Title: Alternate 2 -  
 Elevation Detail 2of3

Sheet Number:

**L-E3.4**





Synapse Audio Visual Designs, LLC  
 411 Sette Dr. Suite N3  
 Paramus, NJ 07652  
 O: 201.576.9200

Principals:  
 Stephen M. Cannella, LC ETCP  
 Christopher P. Obsuth, DMC-E 4K

| Issued For Bid | Date       | No. | Revision Notes |
|----------------|------------|-----|----------------|
| C              | 12/24/2022 |     |                |

| Revision Notes | Date | No. |
|----------------|------|-----|
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|           |     |             |     |                  |          |              |             |       |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|
| Drawn By: | SMC | Checked By: | CPO | Project Manager: | Cannella | Sheet Scale: | Sheet Scale | Date: |  |
|-----------|-----|-------------|-----|------------------|----------|--------------|-------------|-------|--|

Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
 Philadelphia, PA 19107

Client ID: Philo82321

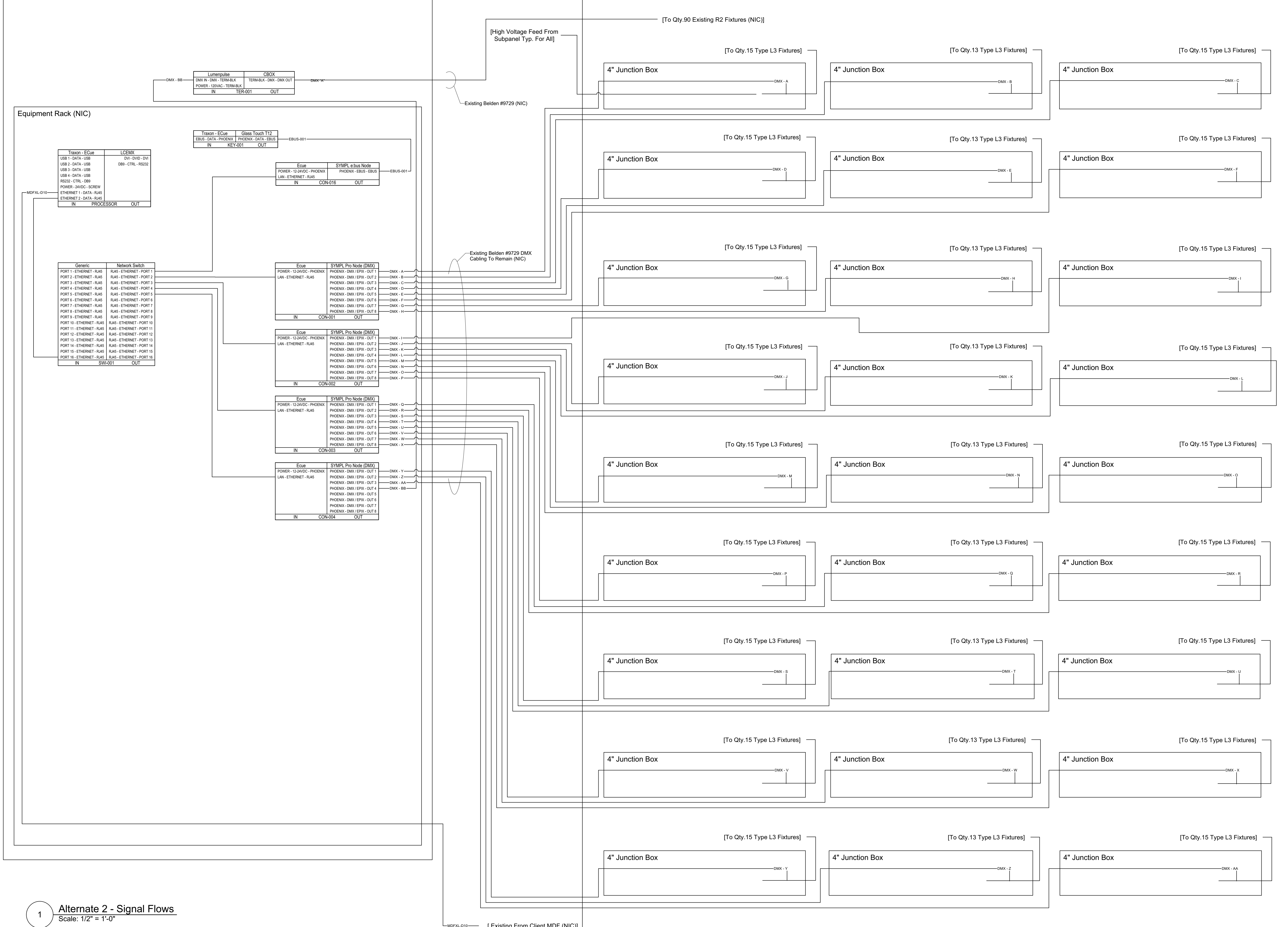
Project Name: Broad Street Facade  
 Lighting Renovation

Sheet Title: Alternate 2 -  
 Elevation Detail 30f3

Sheet Number:  
**L-E3.5**

North Catwalk (NIC)

Broad Street Façade



1 Alternate 2 - Signal Flows  
Scale: 1/2" = 1'-0"



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411 Sette Dr. Suite N3  
Paramus, NJ 07652  
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Principals  
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Christopher P. Obsuth, DMC-E 4K

| Issued For Bid | Date       | Notes |
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| C              | 12/24/2022 |       |

| Revision | Notes | Date |
|----------|-------|------|
| No.      |       |      |

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| Drawn By:        | SMC          |
| Checked By:      | CPO          |
| Project Manager: | Cannella     |
| Sheet Scale:     | Street Scale |
| Date:            |              |

Client: Philadelphia Convention Center



Client Address: 1101 Arch St.  
Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Façade  
Lighting Renovation

Sheet Title: Alternate 2 -  
Signal Flow

Sheet Number: L-S3





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Principals  
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| Issued Notes      | Date       | No. | Revision Notes | Date | No. |
|-------------------|------------|-----|----------------|------|-----|
| Issued For Bid    | 11/18/2022 | B   |                |      |     |
| Issued For Review | 11/14/2022 | A   |                |      |     |

|                  |             |
|------------------|-------------|
| Drawn By:        | SMC         |
| Checked By:      | CPO         |
| Project Manager: | Cannella    |
| Sheet Scale:     | Sheet Scale |
| Date:            |             |

Client: Philadelphia Convention Center



Client Address: 1101 Arch St. Philadelphia, PA 19107

Client ID: Philo82321

Project Name: Broad Street Facade Lighting Renovation

Sheet Title: Current Conditions EL-601

Sheet Number: L-C1

**VITETTA**  
 ARCHITECTURE ENGINEERING PLANNING INTERIOR DESIGN

PHILADELPHIA NAVAL BUSINESS CENTER  
 4741 S. BRAD ST., PHILADELPHIA, PA 19112  
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**Kelly/Maiello Inc.**  
 Architects & Planners  
 1400 WALNUT STREET, 15TH FLOOR  
 PHILADELPHIA, PA 19102-4015  
 215-546-0000 FAX: 215-546-1420

**tvS**  
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 1220 PENNSYLVANIA STREET, N.E.  
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**the lighting practice**  
 THE LIGHTING PRACTICE  
 600 CHESTNUT STREET, SUITE 772  
 PHILADELPHIA, PA 19106  
 215-238-1644 FAX: 215-238-1674

PROJECT # 80050400  
 ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND  
 THE ARCHITECT BEFORE ANY CONSTRUCTION BEGINS  
 PROCEEDING WITH THE CONSTRUCTION ON SCALE  
 DRAWING(S) BY VITETTA



**EXPANSION AND RENOVATION TO THE PENNSYLVANIA CONVENTION CENTER**  
 1101 ARCH STREET • PHILADELPHIA, PENNSYLVANIA 19107

PENNSYLVANIA CONVENTION CENTER AUTHORITY  
 ONE PENNSYLVANIA CONVENTION CENTER PLACE  
 1101 ARCH STREET  
 PHILADELPHIA, PENNSYLVANIA 19107

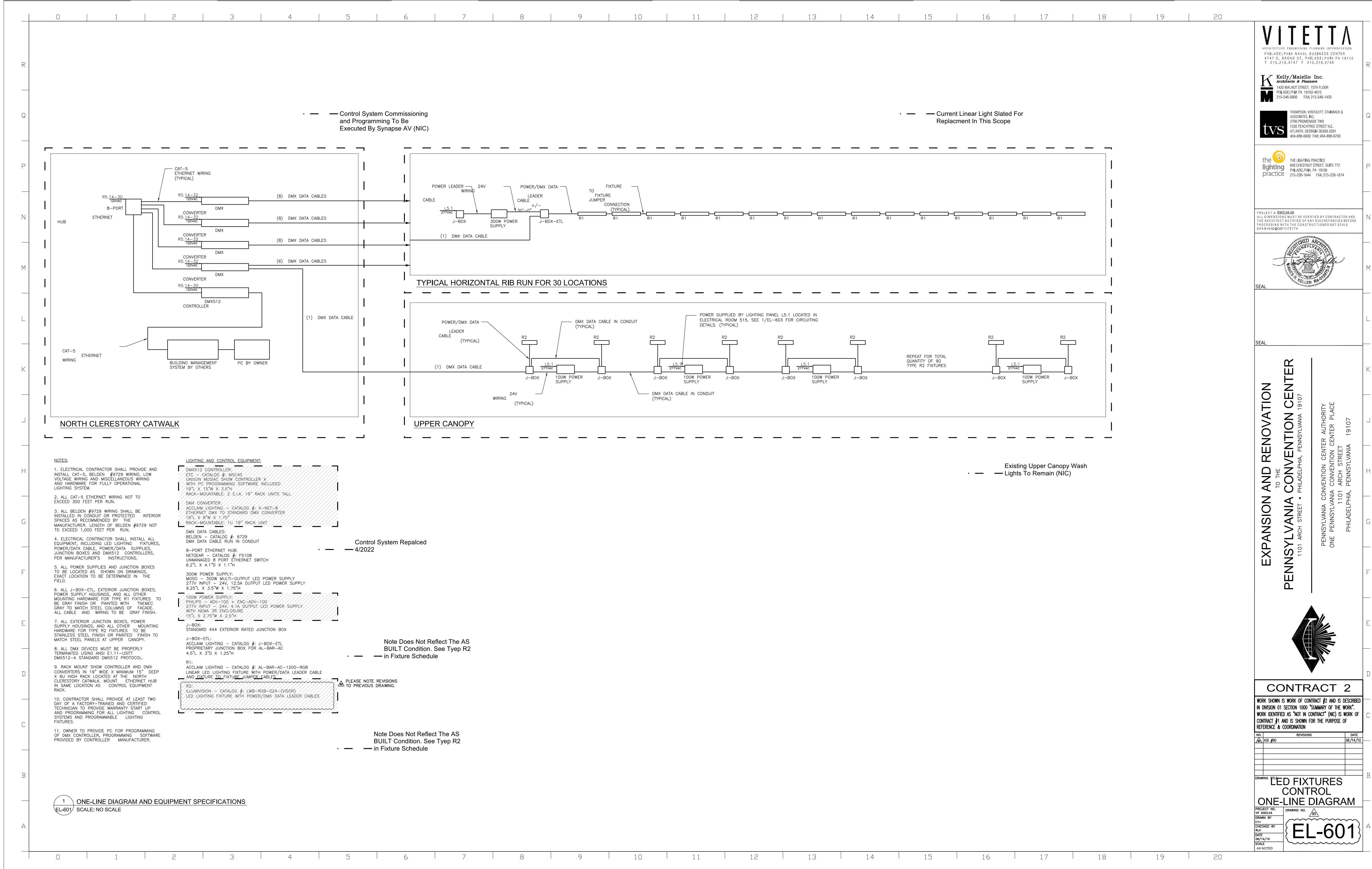
**CONTRACT 2**  
 WORK SHOWN IS WORK OF CONTRACT #2 AND IS DESCRIBED IN DIVISION 01 SECTION 1000 "SUMMARY OF THE WORK".  
 WORK IDENTIFIED AS "NOT IN CONTRACT" (NIC) IS WORK OF CONTRACT #1 AND IS SHOWN FOR THE PURPOSE OF REFERENCE & COORDINATION

| NO. | REVISIONS | DATE     |
|-----|-----------|----------|
| 1   | AS #99    | 08/14/10 |

DRAWING TITLE:  
**LED FIXTURES CONTROL ONE-LINE DIAGRAM**

PROJECT NO. OF 80050400  
 DRAWING NO. **EL-601**

DRAWN BY: [Signature]  
 CHECKED BY: [Signature]  
 DATE: 08/14/10  
 SCALE: AS NOTED



**CURRENT CONDITIONS PLANS NOTES:**

- THESE PLANS ARE SHOWN FOR REFERENCE ONLY AND ARE NOT KNOWN TO BE THE ACCURATE AND CURRENT STATE OF THE SYSTEMS
- CONTRACTOR TO FIELD VERIFY ALL INFRASTRUCTURE TO BE REUSED OR REPURPOSED AS PART OF THIS RENOVATION
- WHERE 277VAC ELECTRICAL CIRCUITS ARE LISTED THERE IN A HIGH LIKLYHOOD THAT THEY ARE 120VAC WHICH SATISFYS THIS DESIGN. NO ACTION NEEDS TO BE TAKEN





Synapse Audio Visual Designs, LLC  
 411 Sette Dr. Suite N3  
 Paramus, NJ 07652  
 O: 201.576.9200

Principals  
 Stephen M. Cannella, LC EITP  
 Christopher P. Obsuth, DMC-E 4K

| Issued For Review | Date |
|-------------------|------|
| 11/18/2022        | B    |
| 11/4/2022         | A    |

**REVISION NOTES**

| Revision Notes | Date |
|----------------|------|
|                |      |

|                  |              |
|------------------|--------------|
| Drawn By:        | SMC          |
| Checked By:      | CPO          |
| Project Manager: | Cannella     |
| Sheet Scale:     | Street Scale |
| Date:            |              |

Client Philadelphia Convention Center



Client Address 1101 Arch St.  
 Philadelphia, PA 19107

Client ID Philo82321

Project Name Broad Street Facade Lighting Renovation

Sheet Title Current Conditions EL-602

Sheet Number

**L-C2**

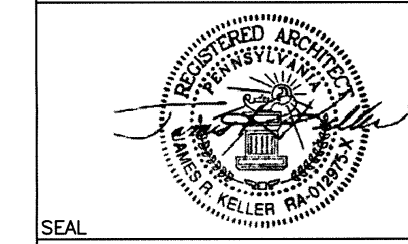
**VITETTA**  
 ARCHITECTURE ENGINEERING PLANNING INTERIOR DESIGN  
 PHILADELPHIA NAVAL BUSINESS CENTER  
 4742 S BRIGAD ST. PHILADELPHIA PA 19112  
 T 215.218.4747 F 215.218.4740

**Kelly/Maello Inc.**  
**Architect & Planner**  
 1400 WALNUT STREET, 15TH FLOOR  
 PHILADELPHIA, PA 19102-4015  
 215-546-0000 FAX 215-546-1400

**tvS**  
 THOMPSON VENTURE, STANBAX &  
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 404-888-6800 FAX 404-888-6700

the lighting practice  
 THE LIGHTING PRACTICE  
 600 CHESTNUT STREET, SUITE 772  
 PHILADELPHIA, PA 19106  
 215-238-1944 FAX 215-238-1674

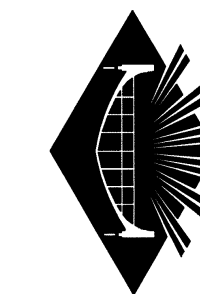
PROJECT # 80834.00  
 ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT BEFORE CONSTRUCTION AND BEFORE PROCEEDING WITH THE CONSTRUCTION. NOT SCALE.  
 DRAWING: Q001 VITETTA



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**RECEIVED**  
 June 15, 2010  
 The Keating Joint Venture  
 Job #711.002

**KJV - PCI #298**

EXPANSION AND RENOVATION  
 TO THE  
**PENNSYLVANIA CONVENTION CENTER/**  
 1101 ARCH STREET • PHILADELPHIA, PENNSYLVANIA 19107  
 PENNSYLVANIA CONVENTION CENTER AUTHORITY  
 ONE PENNSYLVANIA CONVENTION CENTER PLACE  
 1101 ARCH STREET  
 PHILADELPHIA, PENNSYLVANIA 19107



**CONTRACT 2**

WORK SHOWN IS WORK OF CONTRACT #2 AND IS DESCRIBED IN DIVISION 01 SECTION 1000 "SUMMARY OF THE WORK". WORK IDENTIFIED AS "NOT IN CONTRACT" (NIC) IS WORK OF CONTRACT #1 AND IS SHOWN FOR THE PURPOSE OF REFERENCE & COORDINATION

| NO. | REVISIONS | DATE     |
|-----|-----------|----------|
| 1   | AS ISSUED | 06/14/20 |

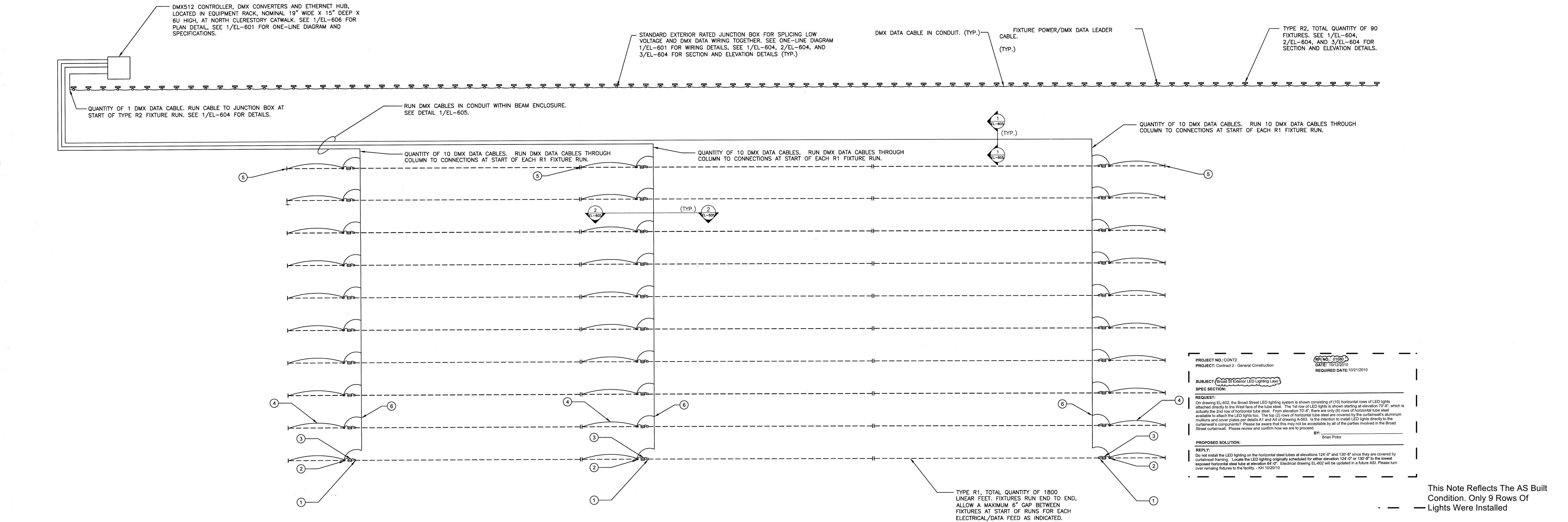
DRAWING TITLE  
**CONTROL EQUIPMENT ELEVATION**

PROJECT NO. OF 80834.00 DRAWING NO. 1  
 DRAWN BY: [Signature] CHECKED BY: [Signature] DATE: 06/14/20 SCALE: AS NOTED

**EL-602**

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

R Q P N M L K J H G F E D C B A



- GENERAL NOTES:**  
 A. SEE 1/EL-601 FOR CONTROL EQUIPMENT SPECIFICATIONS, NOTES, AND ONE-LINE DIAGRAM.  
 B. J-BOX-ETL, EXTERIOR J-BOXES, POWER SUPPLY HOUSINGS, AND ALL OTHER MOUNTING HARDWARE TO BE GRAY FINISH OR PAINTED WITH THEMIC GRAY TO MATCH STEEL. ALL CABLE AND WIRING TO BE GRAY FINISH.
- DRAWING NOTES:**  
 ① EXTERIOR RATED JUNCTION BOX FOR POWER WIRING, MOUNTED TO BACK FACE OF 14" X 4" STEEL BEAM. MOUNT WITHIN 4" THICKNESS. NO PROJECTIONS ARE PERMITTED.  
 ② J-BOX-ETL FOR POWER AND DATA WIRING, MOUNTED TO BACK FACE OF 14" X 4" STEEL BEAM. MOUNT WITHIN 4" THICKNESS. NO PROJECTIONS ARE PERMITTED.  
 ③ 300W POWER SUPPLY, MOUNTED TO BACK FACE OF 14" X 4" STEEL BEAM. MOUNT WITHIN 4" THICKNESS. NO PROJECTIONS ARE PERMITTED.  
 ④ POWER/DMX DATA LEADER CABLE, CONNECT TO J-BOX-ETL, RUN ALONG BACK OF HORIZONTAL STEEL BEAM. PULL POWER/DATA FEED THROUGH 1-1/2" BUSHED HOLE IN STEEL BEAM AND SEAL. CONNECT FEED TO FIRST FIXTURE OF RUN. SEE ONE-LINE DIAGRAM DETAIL 1/EL-601 FOR J-BOX ETL SPECIFICATION AND WIRING DETAILS (TYP.).  
 ⑤ START OF R1 FIXTURE RUN, CONNECT POWER/DMX DATA CABLE TO FIXTURES AT THIS LOCATION. ALLOW MAXIMUM 6" GAP BETWEEN ENDS OF RUNS. (TYP.)  
 ⑥ TAP 2-1/2" DIAMETER BUSHED HOLES IN 14" TUBE, PULL DATA FEED THROUGH TUBE TO OUTSIDE FACE AND SEAL. PULL FEED TO J-BOX-ETL. SEE ONE-LINE DIAGRAM DETAIL 1/EL-601 FOR J-BOX ETL SPECIFICATION, SEE 2/EL-605, AND 3/EL-605 FOR DETAILS. (TYP.)

1 CONTROL EQUIPMENT ELEVATION  
 EL-602 SCALE: 1/8"=1'-0"

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20

R Q P N M L K J H G F E D C B A





Synapse Audio Visual Designs, LLC  
 411 Sette Dr. Suite N3  
 Paramus, NJ 07652  
 O: 201-576.9200

Principals  
 Stephen M. Cannella, LC ETCP  
 Christopher P. Obsuth, DMC-E 4K

| No. | Date       | Revision Notes    |
|-----|------------|-------------------|
| B   | 11/18/2022 | Issued For Bid    |
| A   | 11/14/2022 | Issued For Review |

| No. | Date | Revision Notes |
|-----|------|----------------|
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|                  |              |
|------------------|--------------|
| Drawn By:        | SMC          |
| Checked By:      | CPO          |
| Project Manager: | Cannella     |
| Sheet Scale:     | Street Scale |
| Date:            |              |

Client Philadelphia Convention Center



Client Address 1101 Arch St.  
 Philadelphia, PA 19107

Client ID Philo82321

Project Name Broad Street Facade  
 Lighting Renovation

Sheet Title Current Conditions  
 EL-603

Sheet Number

L-C3

**VITETTA**  
 ARCHITECTURAL ENGINEERING PLANNING INTERIORS  
 PHILADELPHIA RAYAL BUSINESS CENTER  
 4747 S. BRADDOCK ST., PHILADELPHIA, PA 19112  
 T 215.219.4747 F 215.219.4740

**Kelly/Maiello Inc.**  
 ARCHITECTS & PLANNERS  
 1400 WALNUT STREET, 15TH FLOOR  
 PHILADELPHIA, PA 19102-4015  
 215-546-0800 FAX: 215-546-1400

**tvS**  
 THEATROPOULOS, VENTURETTI, STARNBACK &  
 ASSOCIATES INC.  
 2700 PROSPECT AVE  
 1225 PENNSYLVANIA STREET, N.E.  
 ATLANTA, GEORGIA 30309-3591  
 404-888-6000 FAX: 404-888-6700

**the lighting practice**  
 THE LIGHTING PRACTICE  
 600 CHESTNUT STREET, SUITE 772  
 PHILADELPHIA, PA 19106  
 215-258-1644 FAX: 215-238-1674

PROJECT # 300354.00  
 ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND  
 ALL DIMENSIONS MUST BE RECHECKED BY CONTRACTOR BEFORE  
 PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE  
 DRAWINGS. ©2022 VITETTA

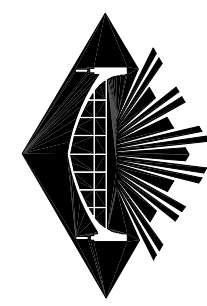


SEAL

SEAL

**EXPANSION AND RENOVATION  
 TO THE  
 PENNSYLVANIA CONVENTION CENTER**  
 1101 ARCH STREET • PHILADELPHIA, PENNSYLVANIA 19107

PENNSYLVANIA CONVENTION CENTER AUTHORITY  
 ONE PENNSYLVANIA CONVENTION CENTER PLACE  
 1101 ARCH STREET  
 PHILADELPHIA, PENNSYLVANIA 19107



**CONTRACT 2**

WORK SHOWN IS WORK OF CONTRACT #2 AND IS DESCRIBED  
 IN DIVISION 01 SECTION 1000 "SUMMARY OF THE WORK."  
 WORK IDENTIFIED AS "NOT IN CONTRACT" (NIC) IS WORK OF  
 CONTRACT #1 AND IS SHOWN FOR THE PURPOSE OF  
 REFERENCE & COORDINATION

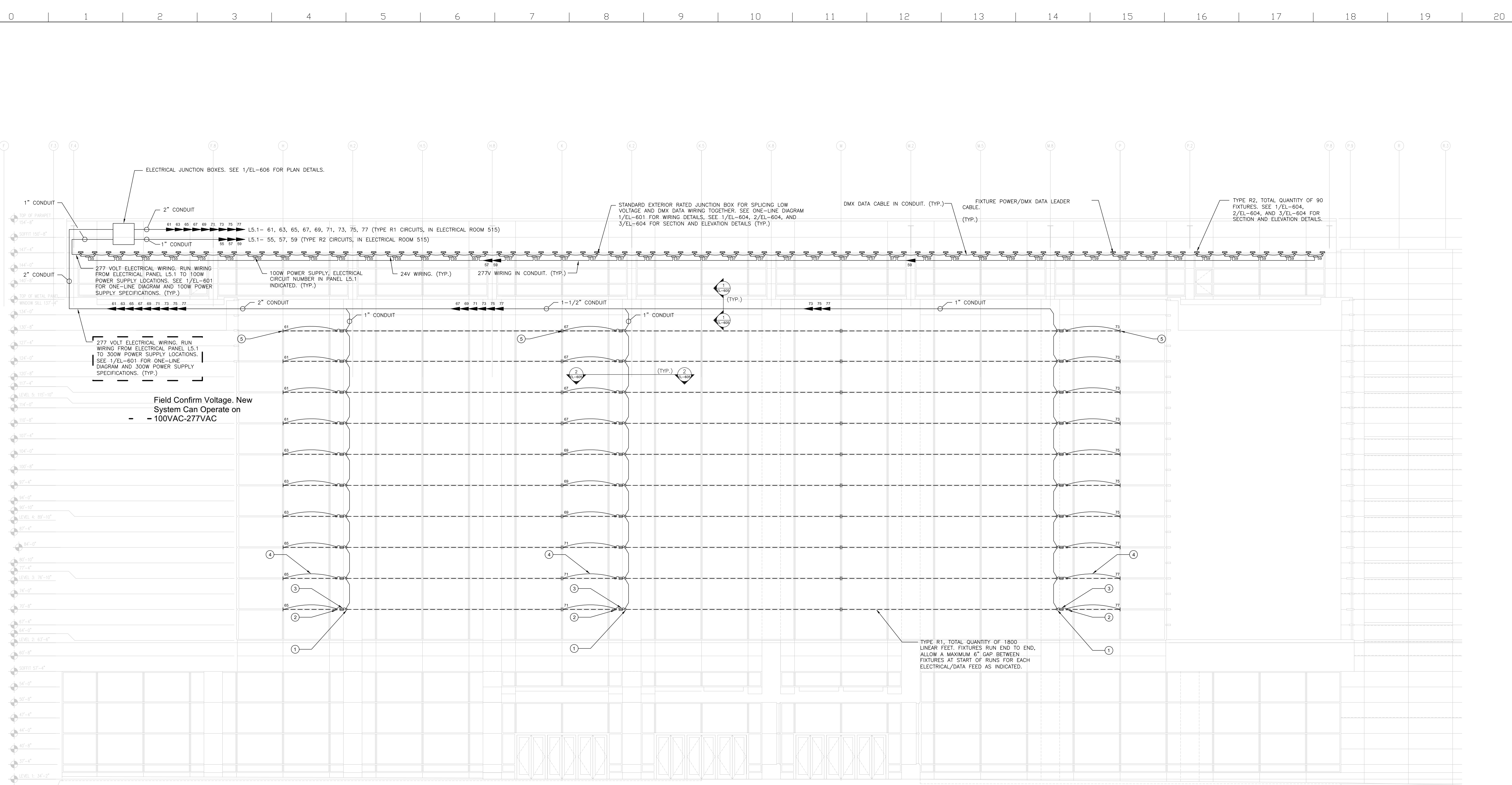
| NO. | AS #/R | REVISIONS | DATE |
|-----|--------|-----------|------|
|     |        |           |      |

DRAWING TITLE **POWER EQUIPMENT ELEVATION**

PROJECT NO. OF 820324 DRAWING NO. **EL-603**

DRAWN BY: [Signature] CHECKED BY: [Signature]

DATE: 06/14/15 SCALE: AS NOTED



- GENERAL NOTES:**
- A. SEE 1/EL-601 FOR CONTROL EQUIPMENT SPECIFICATIONS, NOTES, AND ONE-LINE DIAGRAM.
  - B. J-BOX-ETL, EXTERIOR J-BOXES, POWER SUPPLY HOUSINGS, AND ALL OTHER MOUNTING HARDWARE TO BE GRAY FINISH OR PAINTED WITH THINED GRAY TO MATCH STEEL. ALL CABLE AND WIRING TO BE GRAY FINISH.
- DRAWING NOTES:**
- 1 EXTERIOR RATED JUNCTION BOX FOR POWER WIRING, MOUNTED TO BACK FACE OF 14" X 4" STEEL BEAM. MOUNT WITHIN 4" THICKNESS. NO PROJECTIONS ARE PERMITTED.
  - 2 J-BOX-ETL FOR POWER AND DATA WIRING, MOUNTED TO BACK FACE OF 14" X 4" STEEL BEAM. MOUNT WITHIN 4" THICKNESS. NO PROJECTIONS ARE PERMITTED.
  - 3 300W POWER SUPPLY, MOUNTED TO BACK FACE OF 14" X 4" STEEL BEAM. MOUNT WITHIN 4" THICKNESS. NO PROJECTIONS ARE PERMITTED.
  - 4 POWER/DMX DATA LEADER CABLE, CONNECT TO J-BOX-ETL, RUN ALONG BACK OF HORIZONTAL STEEL BEAM, PULL POWER/DATA FEED THROUGH 1-1/2" BUSHED HOLE IN STEEL BEAM AND SEAL. CONNECT FEED TO FIRST FIXTURE OF RUN. SEE ONE-LINE DIAGRAM DETAIL 1/EL-601 FOR J-BOX ETL SPECIFICATION AND WIRING DETAILS (TYP.)
  - 5 START OF R1 FIXTURE RUN, CONNECT POWER/DMX DATA CABLE TO FIXTURES AT THIS LOCATION. ALLOW MAXIMUM 6" GAP BETWEEN ENDS OF RUNS. ELECTRICAL CIRCUIT NUMBER IN PANEL L5.1 INDICATED. (TYP.)

1 POWER EQUIPMENT ELEVATION  
 EL-603 SCALE: 1/8"=1'-0"

TYPE R1, TOTAL QUANTITY OF 1800 LINEAR FEET. FIXTURES RUN END TO END, ALLOW A MAXIMUM 6" GAP BETWEEN FIXTURES AT START OF RUNS FOR EACH ELECTRICAL/DATA FEED AS INDICATED.



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 O: 201-576.9200

Principals  
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 Christopher P. Obsuth, DMC-E 4K

| No. | Date       | Revision Notes    |
|-----|------------|-------------------|
| B   | 11/18/2022 | Issued For Bid    |
| A   | 11/4/2022  | Issued For Review |

| No. | Date | Revision Notes |
|-----|------|----------------|
|     |      |                |

|                  |             |
|------------------|-------------|
| Drawn By:        | SMC         |
| Checked By:      | CPO         |
| Project Manager: | Cannella    |
| Sheet Scale:     | Sheet Scale |
| Date:            | Date        |

Client Philadelphia Convention Center



Client Address 1101 Arch St.  
 Philadelphia, PA 19107

Client ID Philo82321

Project Name Broad Street Facade  
 Lighting Renovation

Sheet Title Current Conditions  
 EL-604

Sheet Number

L-C4

**VITETTA**  
 ARCHITECTURE ENGINEERING PLANNING INTERIOR DESIGN  
 PHILADELPHIA RAYAL BUSINESS CENTER  
 4747 S. BRIDGE ST., PHILADELPHIA, PA 19112  
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**Kelly/Maello Inc.**  
 ARCHITECT & PLANNER  
 1400 WALNUT STREET, 15TH FLOOR  
 PHILADELPHIA, PA 19102-4015  
 215-546-0800 FAX: 215-546-1400

**tvS**  
 THEATROSCOPIC VENTURE, STARBURCK &  
 ASSOCIATES INC.  
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 1228 PENNSYLVANIA STREET, N.E.  
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**the lighting practice**  
 THE LIGHTING PRACTICE  
 600 CHESTNUT STREET, SUITE 772  
 PHILADELPHIA, PA 19106  
 215-238-1644 FAX: 215-238-1674

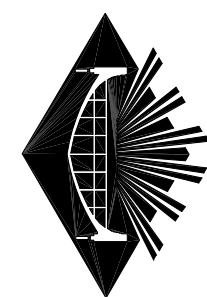
PROJECT # 202054-00  
 ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND  
 THE ARCHITECT BEFORE ANY CONSTRUCTION BEGINS.  
 THE ARCHITECT'S RESPONSIBILITY IS TO PROVIDE ACCURATE  
 PROCEEDINGS WITH THE CONSTRUCTION NOT SCALE.  
 DRAWING NO. 0000 VITETTA



SEAL

SEAL

**EXPANSION AND RENOVATION  
 TO THE  
 PENNSYLVANIA CONVENTION CENTER**  
 1101 ARCH STREET • PHILADELPHIA, PENNSYLVANIA 19107  
 PENNSYLVANIA CONVENTION CENTER AUTHORITY  
 ONE PENNSYLVANIA CONVENTION CENTER PLACE  
 1101 ARCH STREET  
 PHILADELPHIA, PENNSYLVANIA 19107



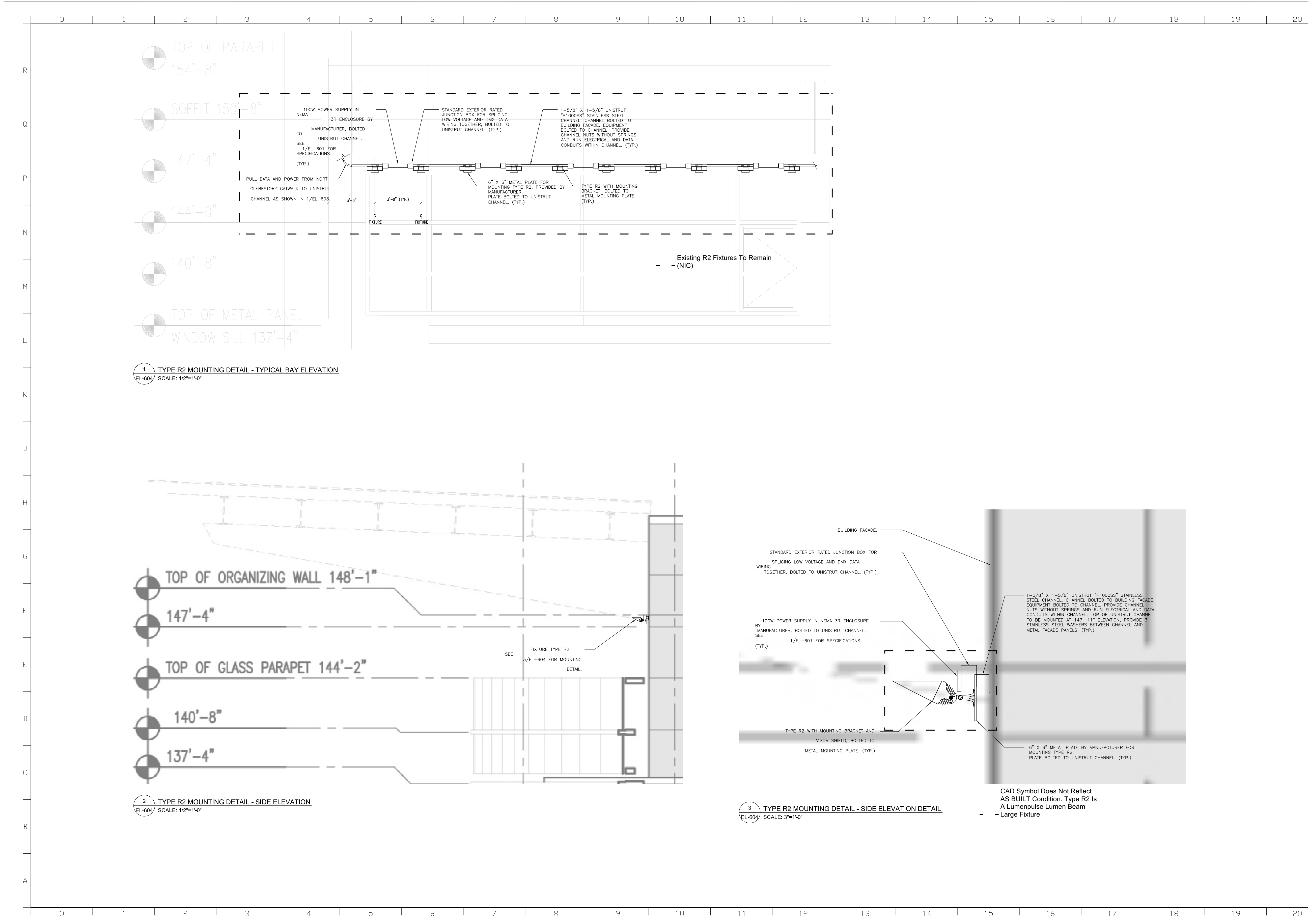
**CONTRACT 2**

WORK SHOWN IS WORK OF CONTRACT #2 AND IS DESCRIBED  
 IN DIVISION 01 SECTION 1000 "SUMMARY OF THE WORK."  
 WORK IDENTIFIED AS "NOT IN CONTRACT" (NIC) IS WORK OF  
 CONTRACT #1 AND IS SHOWN FOR THE PURPOSE OF  
 REFERENCE & COORDINATION

| NO. | AS # | REVISIONS | DATE     |
|-----|------|-----------|----------|
|     |      |           | 08/14/10 |

DRAWING TITLE **TYPE R2  
 MOUNTING DETAILS**

PROJECT NO. OF 202054  
 DRAWING NO. **EL-604**







Synapse Audio Visual Designs, LLC  
411 Sette Dr. Suite N3  
Paramus, NJ 07652  
O: 201-576-9200

Principals  
Stephen M. Cannella, LC ETC  
Christopher P. Obsuth, DMC-E 4K

| No. | Date       | Revision Notes    | Issued For Review |
|-----|------------|-------------------|-------------------|
| B   | 11/18/2022 | Issued For Bid    |                   |
| A   | 11/4/2022  | Issued For Review |                   |

| No. | Date | Revision Notes |
|-----|------|----------------|
|     |      |                |

|                  |             |
|------------------|-------------|
| Drawn By:        | SMC         |
| Checked By:      | CPO         |
| Project Manager: | Cannella    |
| Sheet Scale:     | Sheet Scale |
| Date:            | Date        |

Client Philadelphia Convention Center



Client Address  
1101 Arch St.  
Philadelphia, PA 19107

Client ID  
Philo82321

Project Name  
Broad Street Facade  
Lighting Renovation

Sheet Title  
Current Conditions  
EL-605

Sheet Number

L-C5

**VITETTA**  
ARCHITECTS ENGINEERS PLANNING INTERIORS  
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4747 S. BRADDOCK ST., PHILADELPHIA, PA 19112  
T: 215.218.4747 F: 215.218.4740

**Kelly/Maello Inc.**  
architect & planner  
1400 WALNUT STREET, 15TH FLOOR  
PHILADELPHIA, PA 19102-4015  
215-546-0800 FAX: 215-546-1400

**tvS**  
TEMPORAL VENTURE, STARBURK &  
ASSOCIATES INC.  
2700 PROMENADE TWO  
PHILADELPHIA, PA 19106  
215-238-1644 FAX: 215-238-1674

**the lighting practice**  
THE LIGHTING PRACTICE  
600 CHESTNUT STREET, SUITE 772  
PHILADELPHIA, PA 19106  
215-238-1644 FAX: 215-238-1674

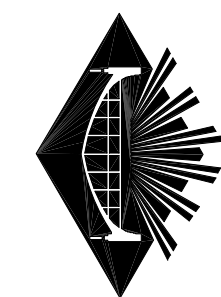
PROJECT # 300354.00  
ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND  
THE ARCHITECT BEFORE ANY ORDER PLACES BEFORE  
PROCEEDING WITH THE CONSTRUCTION. NOT SCALE.  
DRAWING 000000 VITETTA



SEAL

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**EXPANSION AND RENOVATION  
TO THE  
PENNSYLVANIA CONVENTION CENTER**  
1101 ARCH STREET • PHILADELPHIA, PENNSYLVANIA 19107  
PENNSYLVANIA CONVENTION CENTER AUTHORITY  
ONE PENNSYLVANIA CONVENTION CENTER PLACE  
1101 ARCH STREET  
PHILADELPHIA, PENNSYLVANIA 19107



**CONTRACT 2**

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CONTRACT #1 AND IS SHOWN FOR THE PURPOSE OF  
REFERENCE & COORDINATION

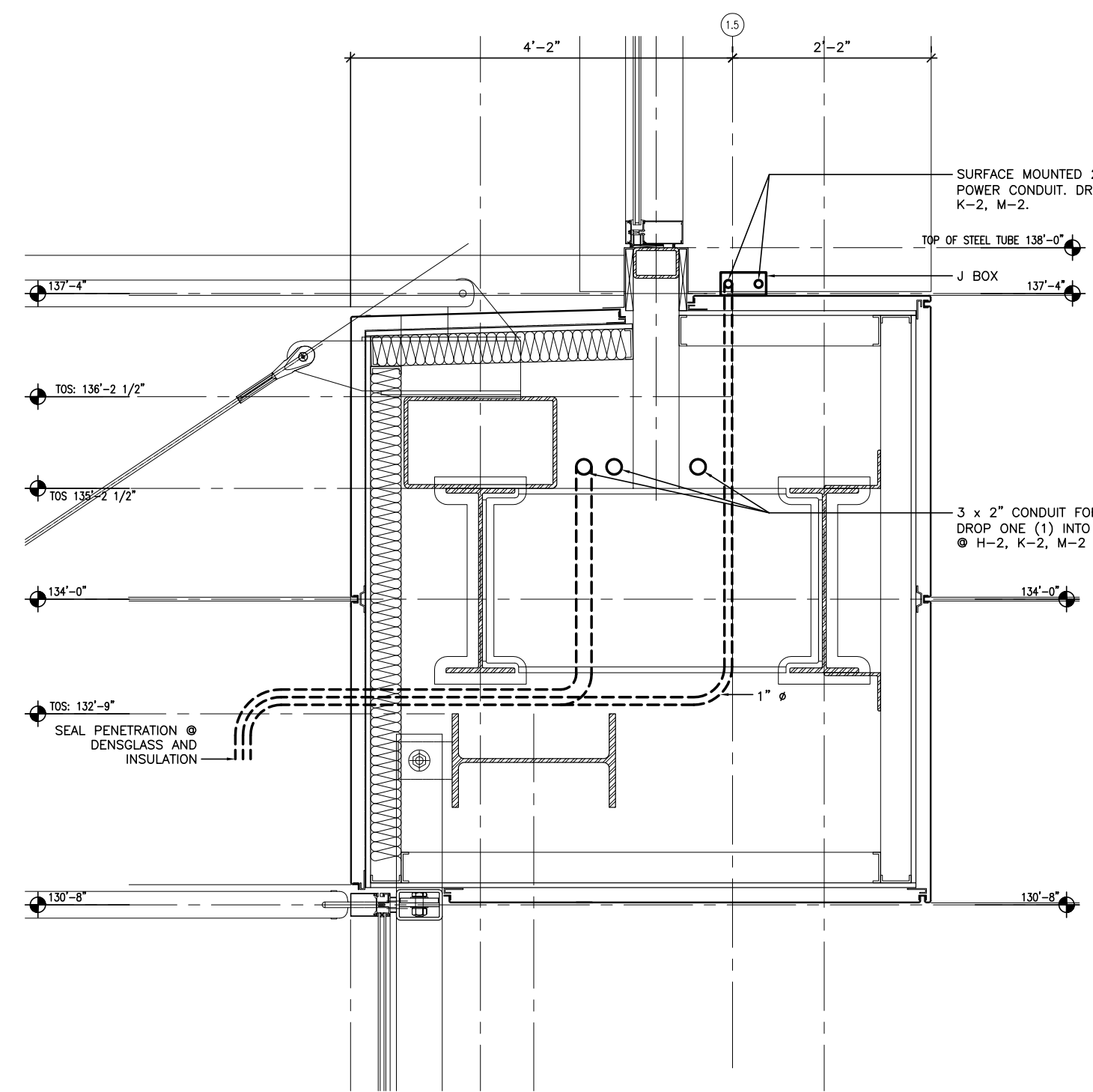
| NO. | REVISIONS | DATE     |
|-----|-----------|----------|
| 1   | ISS #2    | 05/14/15 |

DRAWING TITLE

**ENLARGED  
DETAILS**

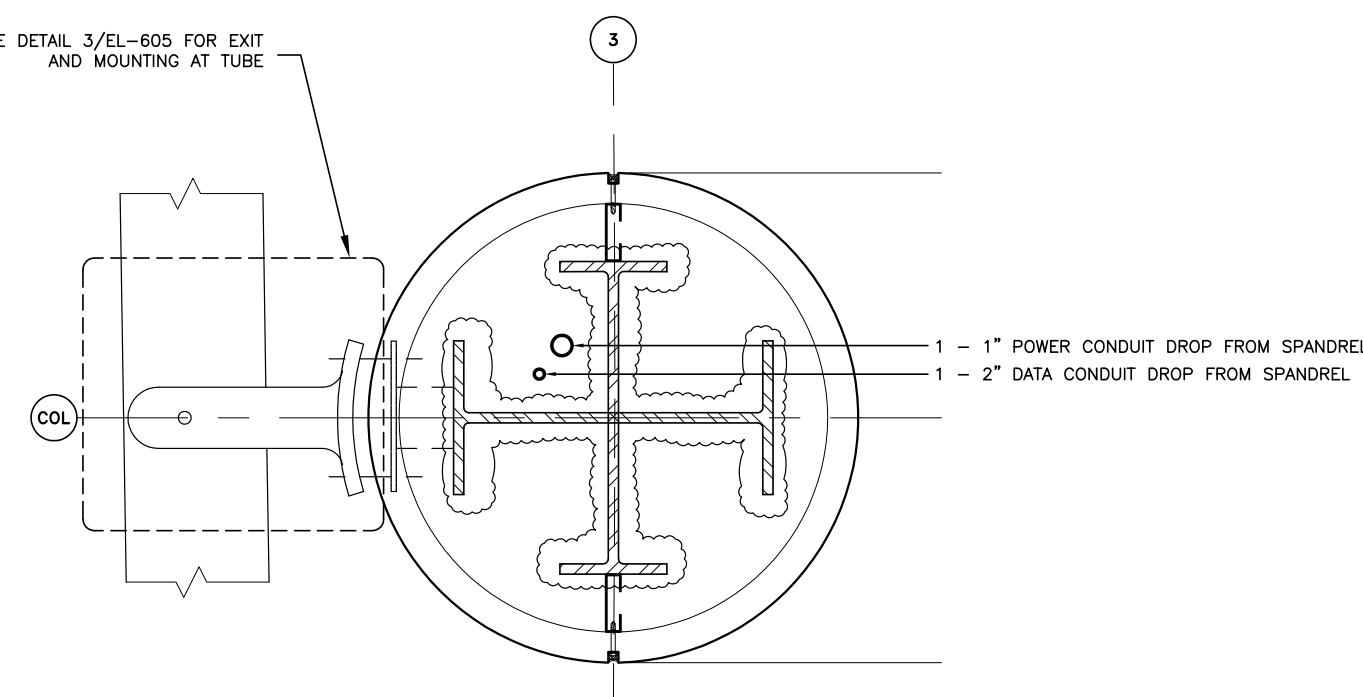
PROJECT NO. OF ANNOTA  
DRAWN BY  
CHECKED BY  
DATE  
SCALE  
SCALE

**EL-605**



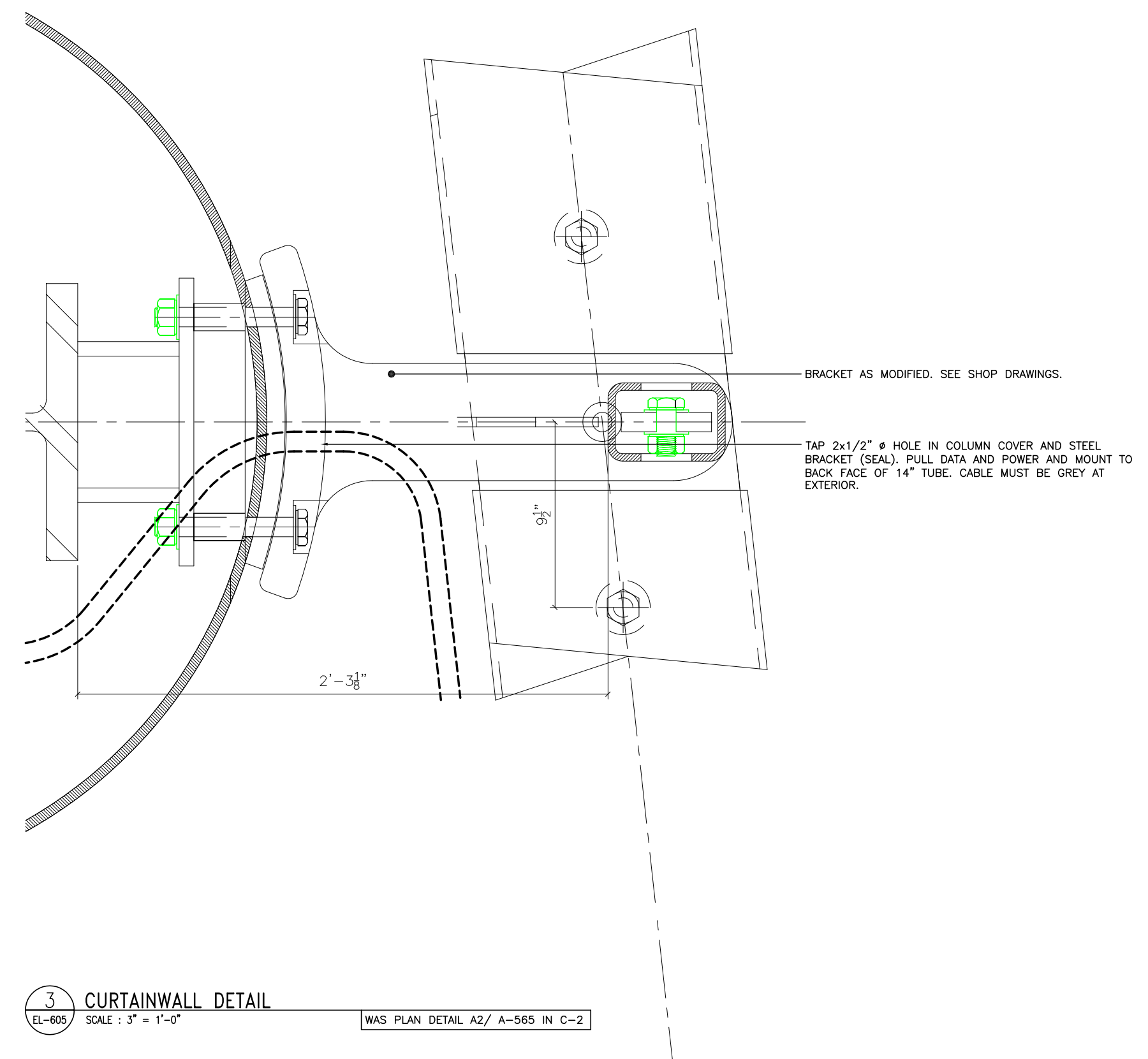
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WAS DETAIL A1/  
A-368 IN C-2



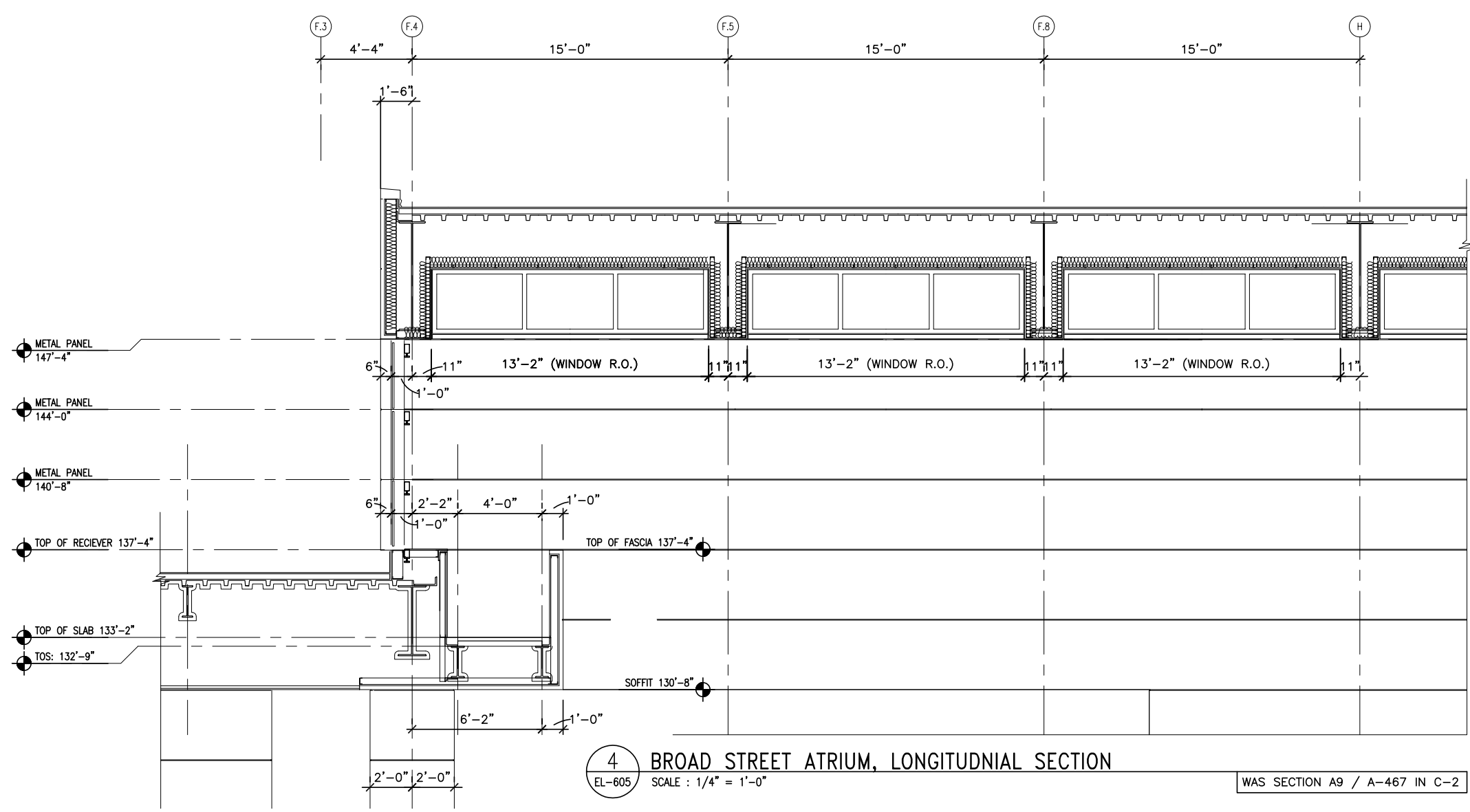
2 PLAN DETAIL  
SCALE: 1/2" = 1'-0"

WAS DETAIL B1/  
A-812 IN C-2



3 CURTAINWALL DETAIL  
SCALE: 3/4" = 1'-0"

WAS PLAN DETAIL A2/  
A-565 IN C-2



4 BROAD STREET ATRIUM, LONGITUDINAL SECTION  
SCALE: 1/4" = 1'-0"

WAS SECTION A9 / A-467 IN C-2



Synapse Audio Visual Designs, LLC  
 411 Sette Dr. Suite N3  
 Paramus, NJ 07652  
 O: 201-576-9200

Principals  
 Stephen M. Cannella, LC ETCP  
 Christopher P. Obsuth, DMC-E 4K

| No. | Date       | Revision Notes    | No. | Date | Issued Notes |
|-----|------------|-------------------|-----|------|--------------|
| B   | 11/18/2022 | Issued For Bid    |     |      |              |
| A   | 11/4/2022  | Issued For Review |     |      |              |

| No. | Date | Revision Notes | No. | Date | Issued Notes |
|-----|------|----------------|-----|------|--------------|
|     |      |                |     |      |              |

|                  |             |
|------------------|-------------|
| Drawn By:        | SMC         |
| Checked By:      | CPO         |
| Project Manager: | Cannella    |
| Sheet Scale:     | Sheet Scale |
| Date:            | Date        |

Client Philadelphia Convention Center



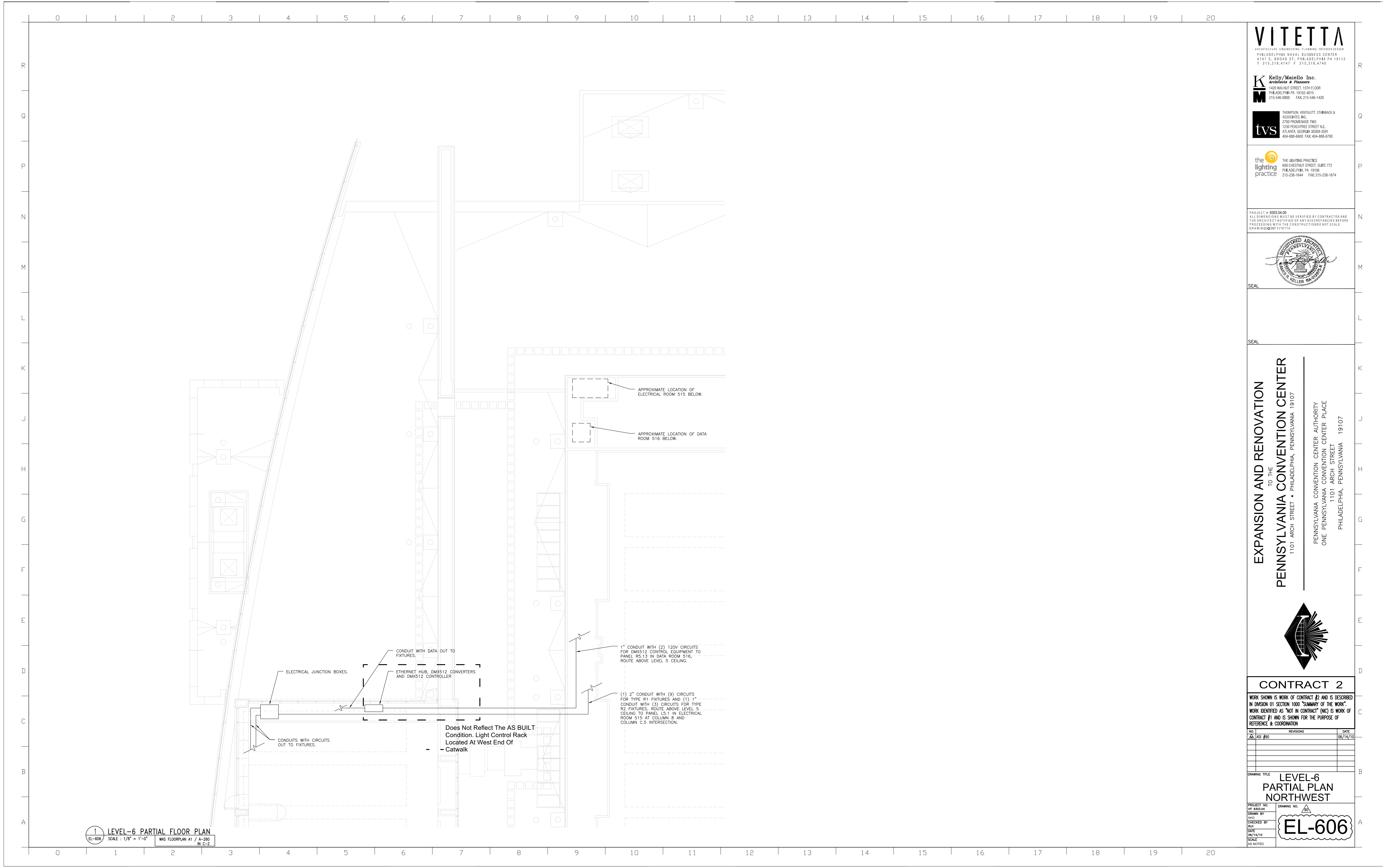
Client Address  
 1101 Arch St.  
 Philadelphia, PA 19107

Client ID Philo82321

Project Name  
 Broad Street Facade  
 Lighting Renovation

Sheet Title  
 Current Conditions  
 EL-606

Sheet Number  
**L-C6**



**VITETTA**  
 ARCHITECTS ENGINEERS PLANNING INTERIORS  
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 T 215.219.4747 F 215.219.4740

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 215-546-0800 FAX: 215-546-1420

**tvS**  
 THEATROPOLO, VENTURETTI, STANBACK & ASSOCIATES INC.  
 2700 PROXEMANUE TWO  
 1228 PENNSYLVANIA STREET N.E.  
 ATLANTA, GEORGIA 30309-3591  
 404-888-6000 FAX: 404-888-6700

**the lighting practice**  
 THE LIGHTING PRACTICE  
 600 CHESTNUT STREET, SUITE 772  
 PHILADELPHIA PA 19106  
 215-238-1644 FAX: 215-238-1674

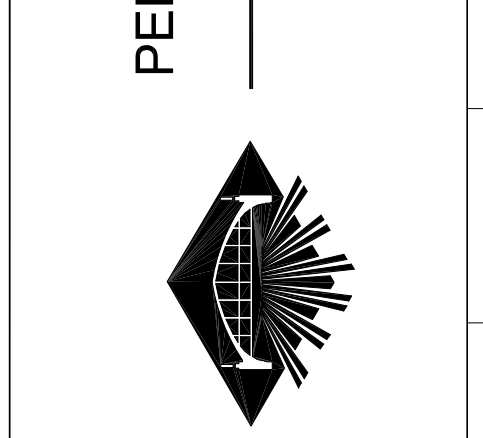
PROJECT # 300354-00  
 ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND ALL DIMENSIONS MUST BE RECHECKED BY ARCHITECT BEFORE PROCEEDING WITH THE CONSTRUCTION. DO NOT SCALE DRAWINGS FROM VITETTA.



SEAL

**EXPANSION AND RENOVATION TO THE PENNSYLVANIA CONVENTION CENTER**  
 1101 ARCH STREET • PHILADELPHIA, PENNSYLVANIA 19107

PENNSYLVANIA CONVENTION CENTER AUTHORITY  
 ONE PENNSYLVANIA CONVENTION CENTER PLACE  
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| NO. | REVISIONS | DATE     |
|-----|-----------|----------|
| AS  | REV       | 08/14/10 |

DRAWING TITLE  
**LEVEL-6 PARTIAL PLAN NORTHWEST**

PROJECT NO. OF A10334  
 DRAWN BY  
 CHECKED BY  
 DATE 06/14/10  
 SCALE AS NOTED

**EL-606**