

**July 18, 2016**  
**BOARD OF COUNTY COMMISSIONERS**  
**ORANGE COUNTY, FLORIDA**  
**Y16-787 / ADDENDUM #1**  
**ORANGE COUNTY CONVENTION CENTER**  
**NORTH / SOUTH BUILDING SHOW POWER UPGRADES**

**Bid Opening Date: July 26, 2016**

This addendum is hereby incorporated into the bid documents of the project referenced above. The following items are clarifications, corrections, additions, deletions and/or revisions to and shall take precedence over the original documents. Underlining indicates additions, deletions are indicated by ~~strikethrough~~.

- A. The Bid Opening Date remains as July 26, 2016.
- B. Changes or Revisions to the IFB:
  - 1. See attached revised D-4, found in PART D of the IFB.
  - 2. See attached revised E-4 (sample contract), found in PART E of the IFB.

C. The following are questions/responses/clarifications:

**1. Revisions to Part G. 4. Work Hours**

**The following are considered non-work days for year 2016:**

**North Concourse:**

October: 11 thru 16; 21 thru 23; 30 thru 31

November: 1 thru 3; 13 thru 18; 24 thru 27

December: 1; 11 thru 15

**South Concourse:**

October: 6 thru 9; 17 thru 20; 30 thru 31

November: 1 thru 3; 13 thru 18; 29 thru 30

December: 1 thru 2, 11 thru 15

**The following are considered non-work days for year 2017:**

**~~North and South Concourse~~**

~~January: 10 thru 12; 19 thru 21; 26 thru 28.~~

~~February: 8 thru 11; 17 thru 19; 27 thru 29.~~

~~March: 1; 4; 9 thru 12; 15; 18 thru 26.~~

~~April: 4 thru 7; 14 thru 16; 25 thru 27.~~

~~May: 14 thru 18; 25 thru 28.~~

June: 3 thru 11; 15 thru 26.  
July: 19 thru 21.  
August: 11 thru 13; 28 thru 29.  
September: 7 thru 9; 25 thru 29.

**North Concourse:**

**January: 8 thru 12; 18 thru 20; 23 thru 28.**  
**February: 3 thru 5; 8 thru 11; 17 thru 19; 26 thru 28.**  
**March: 1; 8 thru 12; 17 thru 26.**  
**April: 3 thru 7; 14 thru 16; 22 thru 27.**  
**May: 3; 13 thru 18; 25 thru 28.**  
**June: 3 thru 7; 15 thru 26.**  
**July: 17 thru 21; 31.**  
**August: 1 thru 3; 11 thru 13.**  
**September: 7 thru 9; 12 thru 16; 23 thru 29.**

**South Concourse:**

**January: 8 thru 12; 18 thru 20; 23 thru 28.**  
**February: 8 thru 11; 16 thru 18; 26 thru 28.**  
**March: 1; 8 thru 26.**  
**April: 3 thru 7; 14 thru 27.**  
**May: 13 thru 18; 25 thru 28.**  
**June: 3 thru 7; 15 thru 28.**  
**July: 17 thru 21; 27 thru 29.**  
**August: 9 thru 12; 27 thru 29.**  
**September: 6 thru 9; 14 thru 17; 23 thru 29.**

D. The following are questions/responses/clarifications:

1. May we have a copy of the PowerPoint presentation that was shown at the pre-bid?

**Response: Please see attached PowerPoint presentation (8 pages) for information purposes only.**

2. Does IFB NO. Y16-787-MM – ORANGE COUNTY CONVENTION CENTER NORTH-SOUTH BUILDING SHOW POWER UPGRADES require the bidder to be a GC? I don't see where this is a requirement however due to structural steel and ornamental steel being part of the bid it seems a GC must be required. Please advise.

**Response: The bidder is not required to be a GC but is responsible for all required permits.**

3. What are the windows and duration of the OUC Transformer Shut Down that we are allowed?

**Response: All shut downs shall be made during night hours and shall be coordinated with OUC and OCCC.**

4. Are we required to pay for the OUC shutdowns?

**Response: Yes.**

5. Base on the Feeder Schedules (Drawing E601 thru E604) on the bidding documents, is the voltage drop already accounted for?

**Response: Yes.**

6. Are we required to X-Ray floor slab before core drilling?

**Response: X-Ray is not required; however GPRS is required in the areas where conduit banks are planned to be drilled to ensure avoidance with structural steel.**

7. Are we required to provide LB conduits from Distribution Panels to OUC Vaults as shown on Drawing E501 in lieu of exposed wire installation per Drawing E310 thru E340?

**Response: All cabling in the penthouse shall be in conduit. Exact details are means and methods by contractor to meet the project specifications.**

8. Reference Drawing E701, Distribution Panel indicates Metering CT's and Display, Is Central Monitoring System to these Distribution Panels required?

**Response: The panels will not be connected to a central monitoring system at this time.**

9. Drawing E601 thru E604, Reference Note 5 indicates 120V Coil Lighting Contactor to be wired from existing lighting Control Panel, please provide location to this Lighting Control Panel and provide size of conduit and wire required.

**Response: Lighting control panels are located at bump-outs. Provide #12 wire in ¾" C.**

10. Please confirm there are (6) single phase OUC transformers in each of the (4) vault rooms.

**Response: Confirmed. Each vault contains two sets of 3 single phase transformers.**

11. Sheet E310 calls for 24 lug phase terminals and sheet E501 calls for them to be 12 lug. If we connect (6) services to 3 transformers and 3 services to 3 transformers, will we have enough lugs?

**Response: (5) services should be connected to (3) transformers and (4) services should be connected to the other (3) transformers. We will need 12 lug terminal block at each phase transformer on opposite side of existing terminal block to serve maximum of 5 services, with 2 spares minimum.**

12. Sheet E501 detail #1 calls for a "blister" fitting above a typical new panel. Please elaborate on what a blister is and or its purpose.

**Response: A blister is a wireway attached to the top of each new service panel for wire bending space.**

13. Please provide a spec for the ladder tray depicted in the vault rooms.

**Response: Furnish and install a complete 30" width and 7" high extruded aluminum ladder rack along with all fitting and mounting hardware as required for AC cables as per plans from service transformers to each 600A service disconnect switches as per plans. Cable tray shall be rated for 100 lb/ft span with NEMA class 12C and shall be manufactured by PW Industries Inc part #7A12C, or approved equal. Submit shop drawings for approval showing ladder rack's construction and installation details along with actual routing and mounting, prior installation.**

E. All other terms and conditions of the IFB remain the same.

F. The Proposer shall acknowledge receipt of this addendum by completing the applicable section in the solicitation or by completion of the acknowledgement information on the addendum. Either form of acknowledgement must be completed and returned not later than the date and time for receipt of the proposal.

**Receipt acknowledged by:**

\_\_\_\_\_  
**Authorized Signature**

\_\_\_\_\_  
**Date Signed**

\_\_\_\_\_  
**Title**

\_\_\_\_\_  
**Name of Firm**

# OCCC N/S Building Show Power Upgrades Prebid Meeting

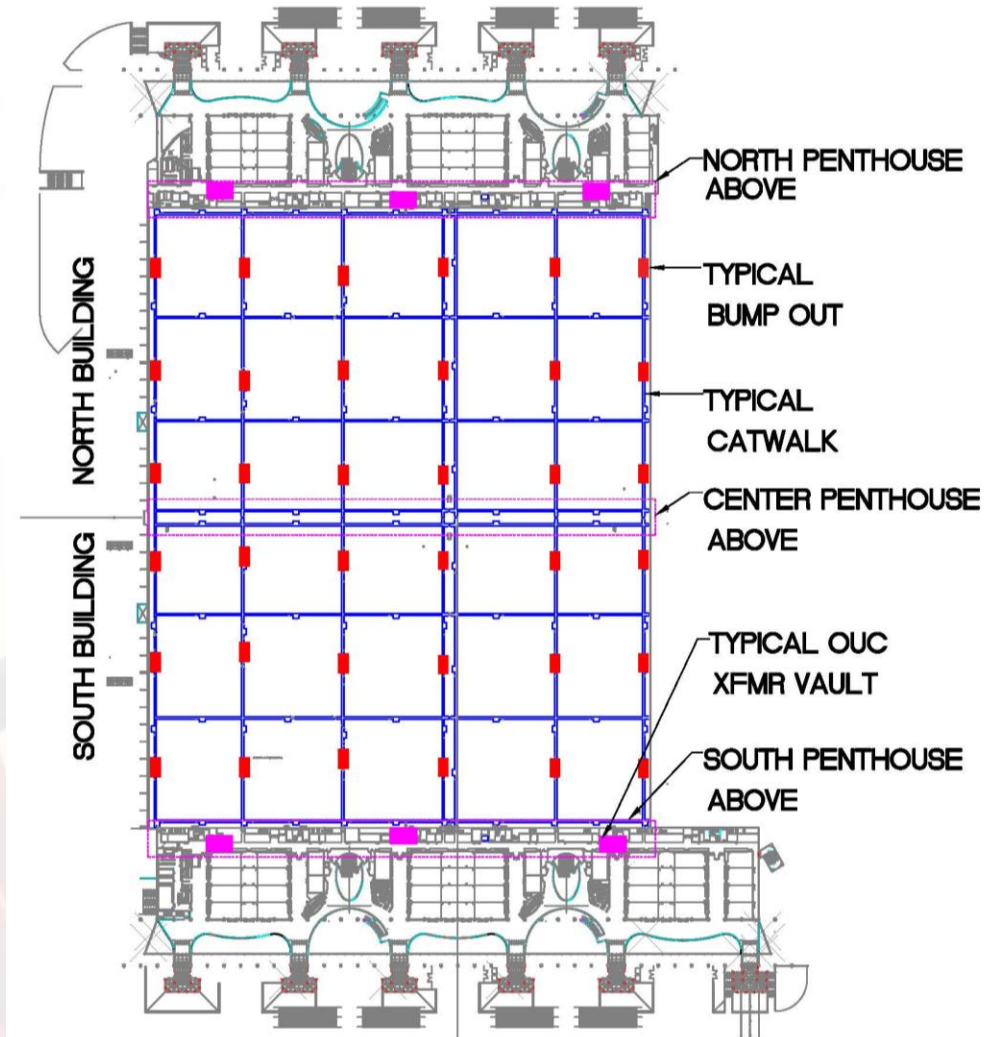
07/08/16

Prepared by:



# Requirements

- **36 catwalk bump-out locations**
  1. 480V/3phase, 3-wire+ground, 400A fused disconnect.
  2. 120/208/3phase, 4-wire+ground, 200A fused disconnect (separate power from item-A)
  3. Every 90' on center along the catwalks, add 120/208V/3Ph (5-wire) 30A twist-lock outlet for "par-can lighting". The 30A twist-lock outlets shall be connected into a new power panel at each bump out location. All outlets can be controlled simultaneously through a single new contactor. The contactor shall be controlled via existing lighting controls/relay panel. (separate from item-1&2)
- **No connection to existing Switchboards**
- **No Diversity to be taken**



# Existing Building Power Configuration

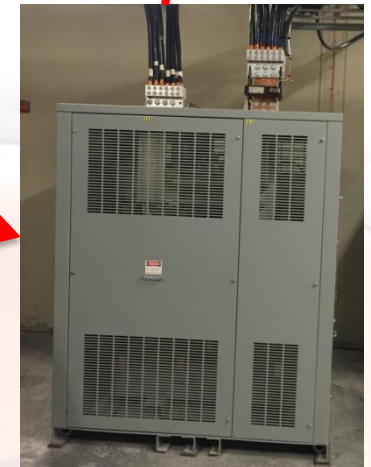
- **(4) OUC Vaults Feeding Switchboards**
  - OUC Vault A (SE): MSCA, MSFA, MSIA, MSLA
  - OUC Vault B (SW): MSCB, MSFB, MSIB, MSLB
  - OUC Vault C (NE): MSOA, MSRA, MSUA, MSXA
  - OUC Vault D (NE): MSOB, MSRB, MSUB, MSXB
- **Each Vault has (2) 2250 KVA Transformers (12.4 to 480) – TOTAL OF 4500 KVA.**
- **Each Vault feeds an existing 3000A (480V) switchboard**
- **Each Switchboard feeds the total power of the building**
  - HVAC
  - Lighting
  - Outlets
  - Misc. Loads

Power to Building

Typical 3000A Switchboard



Typical OUC Primary Switches

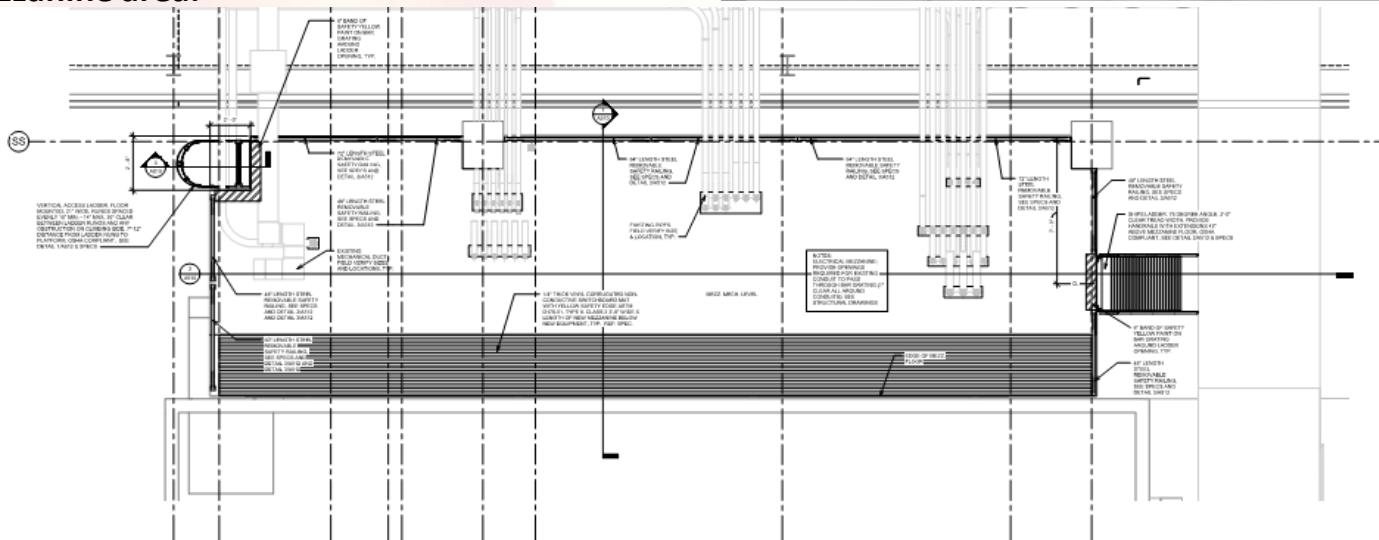
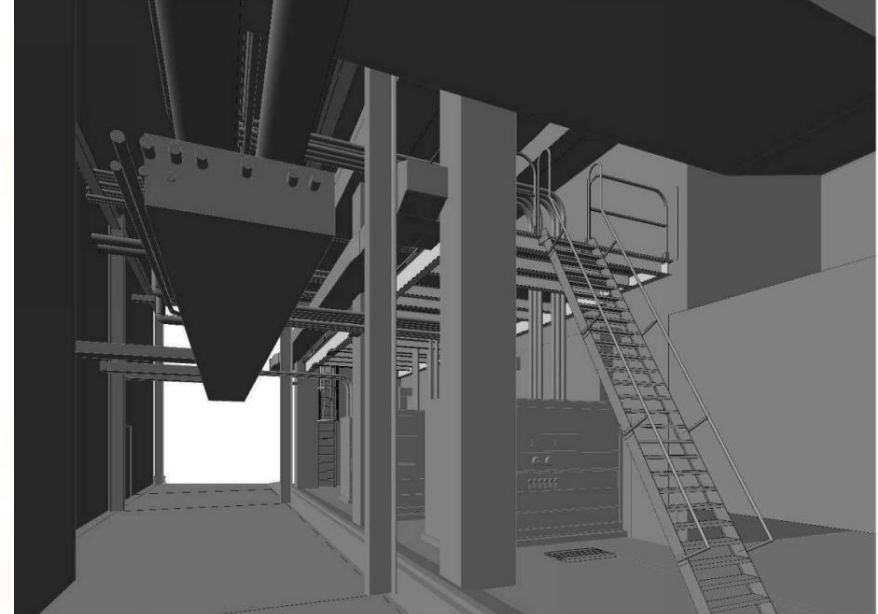


Typical OUC 750kVA Transformer

Power from Street

# Architectural/ Structural Work

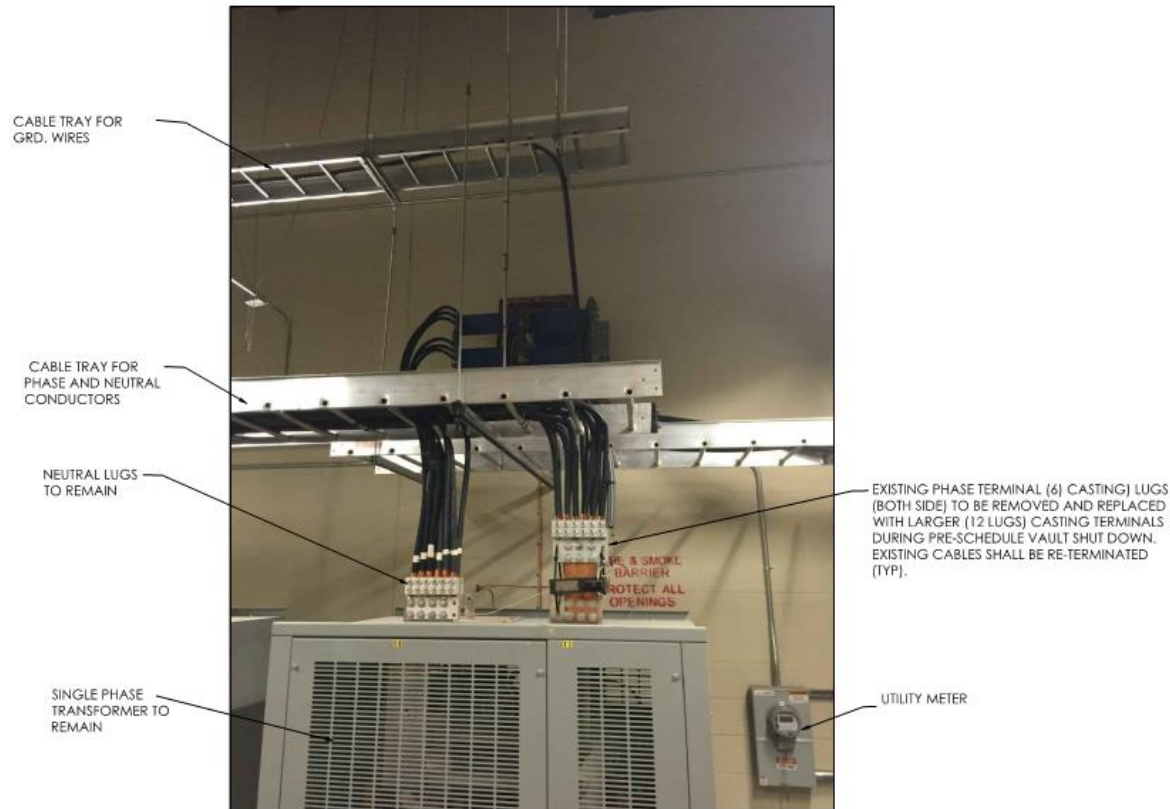
- New Mezzanine over existing switchboards
- Mezzanine gets supported from existing columns on one side and roof on the other side.
- Mezzanine gets two forms of access + handrails
- Existing large vertical conduits to remain, relocate small conduits/lights/fp
- Survey Scan requirements at each mezzanine area.





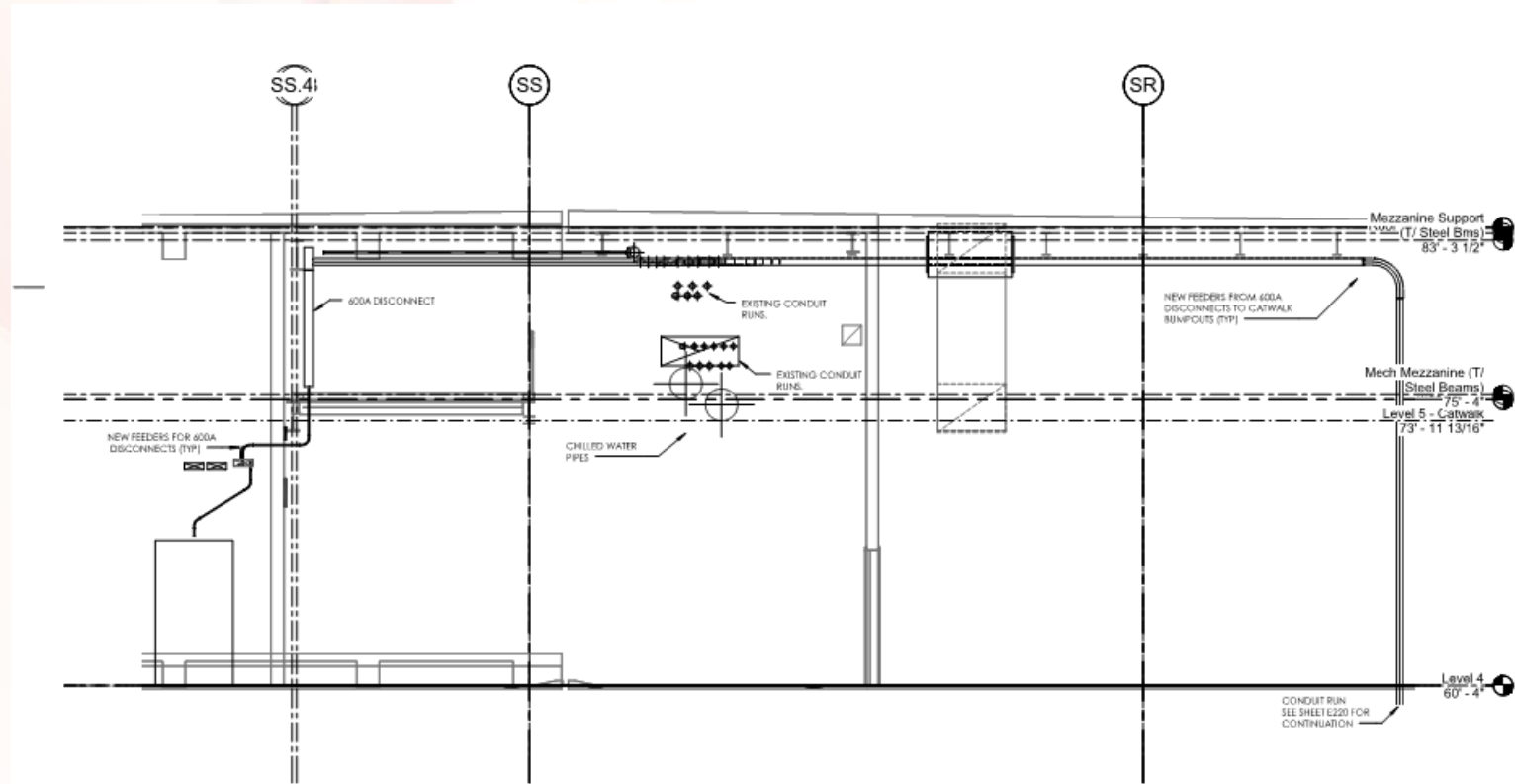
# Electrical Work

- **(9) New services at each location in the mezzanine**
- **Heavy coordination with OUC transformer vault.**



# Electrical Work

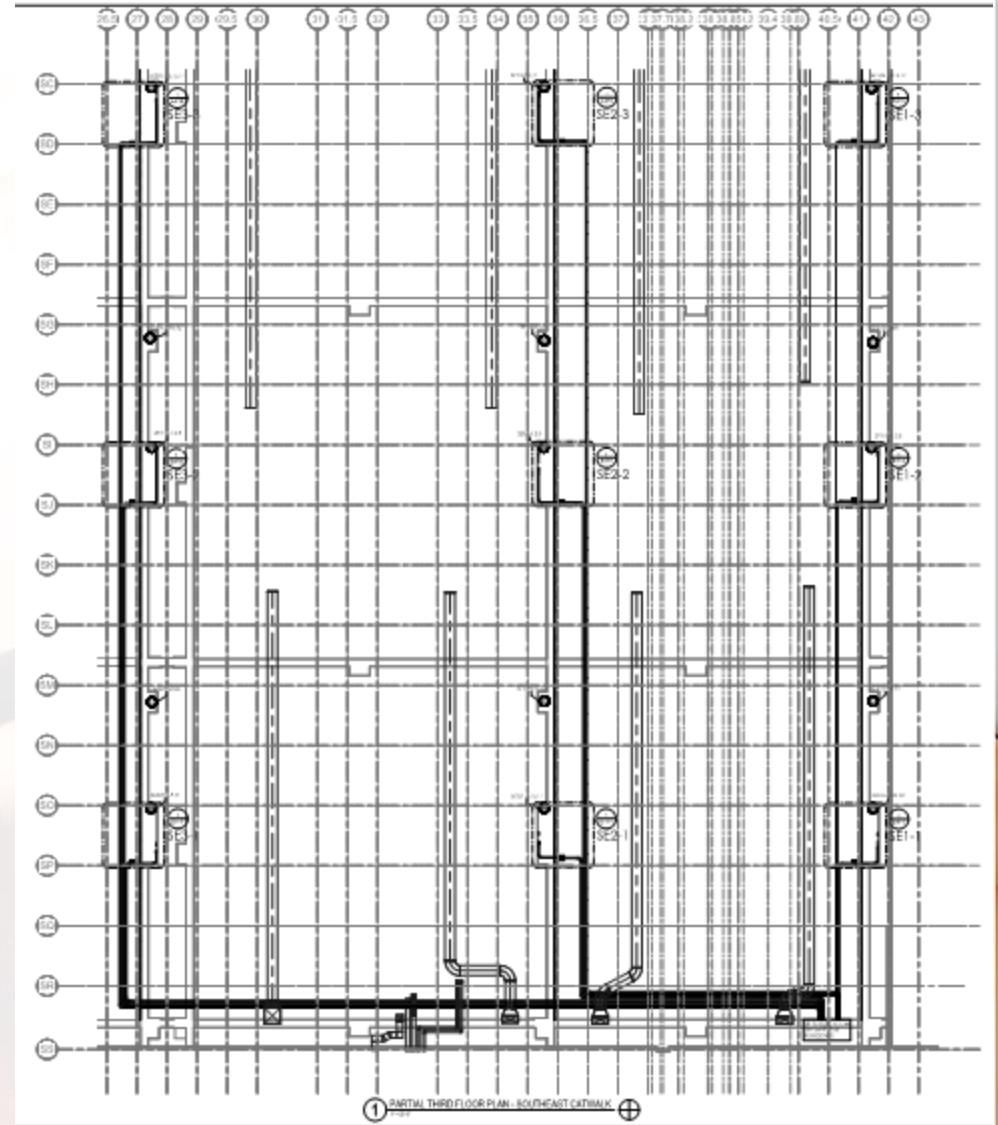
- (9) New services at each location in the mezzanine
- Route conduits across penthouse, add expansion joint fittings at crossings
- Core drill/ route down to floor below into high ceiling of show floor/ catwalk area



**2** SOUTHWEST PENTHOUSE SECTION  
1/4" = 1'-0"

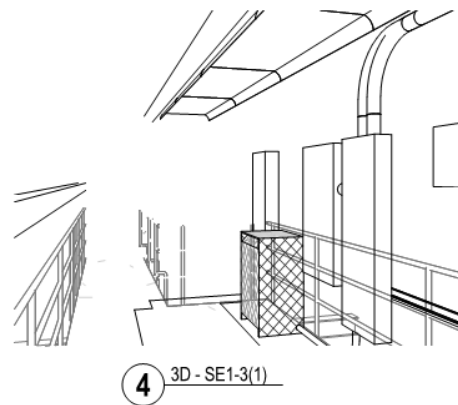
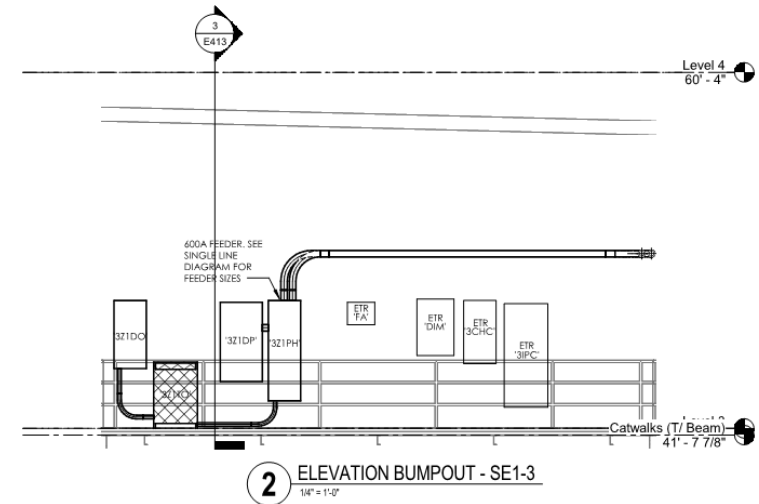
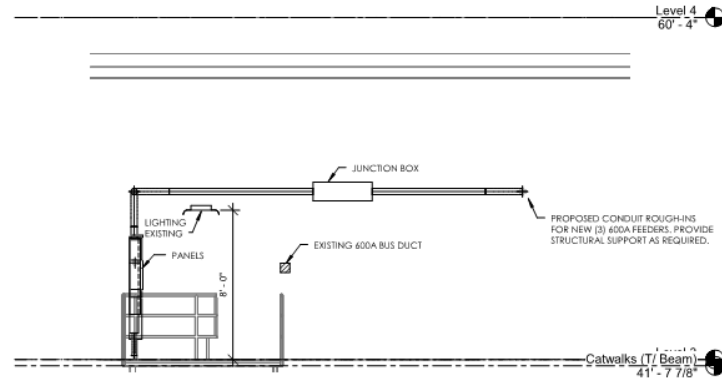
# Electrical Work

- When conduits penetrate into catwalk area, distribute to each bump out
- Coordinate around all existing ducting/etc



# Electrical Work

- At each bump out, add gear and termination points



The Bidder hereby agrees that there is attached:

- |     |   |     |             |
|-----|---|-----|-------------|
| 1.  | Non-Collusion Affidavit, Attachment A   | Yes | ___         |
| 2.  | Required Disclosure, Attachment B   | Yes | ___         |
| 3.  | M/WBE Forms   |     |             |
|     | Employment Data, Attachment C-1   | Yes | ___         |
|     | Subcontractor/Supplier Page, Attachment C-2                                       | Yes | ___         |
|     | Good Faith Effort, Attachment C-4   | Yes | ___ No ___  |
| 4.  | Trench Safety Act Form, Attachment D  | Yes | ___ N/A ___ |
| 5.  | Drug-Free workplace Form  | Yes | ___         |
| 6.  | <b>Bid Bond on Form in Exhibit 1</b> or Cashier's Check<br>(10% of Base Bid)      | Yes | ___ N/A ___ |
| 7.  | Original Bid Form (marked "Original") & 3<br>complete copies with all attachments | Yes | ___         |
| 8.  | References, Attachment E  | Yes | ___         |
| 9.  | Licenses  | Yes | ___ N/A ___ |
| 10. | Current W9  | Yes | ___         |
| 11. | Project Expenditure Report, Attachment F  | Yes | ___         |
| 12. | Relationship Disclosure Form, Attachment G  | Yes | ___         |
| 13. | Verification of Employment Status, Attachment H                                   | Yes | ___         |

#### ACKNOWLEDGEMENT OF ADDENDA

The Bidder shall acknowledge receipt of any addenda issued to the solicitation by completing the blocks below or by completion of the applicable information on the addendum and returning it not later than the date and time for receipt of the bid. Failure to acknowledge an addendum that has a material impact on the solicitation may negatively impact the responsiveness of your bid. Material impacts include but are not limited to changes to specifications, delivery time, performance period, quantities, bonds, letters of credit, insurance, qualifications, etc.

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_ Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_ Addendum No. \_\_\_\_\_ Dated \_\_\_\_\_

If awarded this construction Contract, the Bidder agrees to complete the work covered by this Contract as follows:

1. Work shall start at the project site within fourteen (14) days of the effective date of the Notice to Proceed.
2. Substantially complete in **270** consecutive calendar days from date of Official Notice to Proceed.
3. Final completion in **300** consecutive calendar days from date of Official Notice to Proceed.
- 4. The blackout days listed in addendum #1 are included in the number of consecutive calendar days listed in paragraphs 2 and 3 above.**
5. Should the Successful Bidder fail to complete work as specified, the liquidated damage clause will apply (Part E, Contract).

The Bidder hereby agrees that the County reserves the right to waive informalities in any bid and to reject any or all bids, or to accept any bid that in its judgment will be for the best interest of the County.

**Y16-787-MM**  
**Addendum#1**  
**July 18, 2016**  
**Revised D-4**

**VI**  
**TIME OF COMMENCEMENT AND FINAL COMPLETION:**

- a. Work to commence within fourteen (14) days of Official Notice to Proceed date and shall be completed, unless amended by written Change Order or Amendment executed by both parties to this Contract.
- b. Substantial Completion of the Work shall be achieved not later than **270** consecutive calendar days from date of Official Notice to Proceed.
- c. Final Completion of the Work shall be achieved not later than **300** consecutive calendar days from date of Official Notice to Proceed.
- d. **The blackout days listed in this Addendum #1, paragraph C, which references revision of PART G, paragraph 4, are included in the number of consecutive calendar days listed in paragraphs b and c above.**

**VII**  
**COMPLIANCE WITH M/WBE CONTRACT REQUIREMENTS:**

By entering into this Contract, the Contractor affirmatively commits to comply with the MWBE subcontracting requirements submitted with his/her bid. The failure of the Contractor to comply with this commitment during the Contract's performance period may be considered a breach of Contract.

The County may take action up to and including termination for default if this condition is not remedied within the time period specified by the Manager, Procurement Division.

**VIII**  
**MISCELLANEOUS PROVISIONS:**

- a. Terms used in this Contract that are defined in the General Conditions shall have the meanings designated in those conditions.
- b. No price adjustments shall be made on this contract to the bid price of any products or materials including but not limited to gasoline, diesel or other fuels, and bituminous materials, including asphalt due to fluctuations in market prices, changes in suppliers or any other reason.
- c. County and Contractor each binds himself, his partners, successors, assigns and legal representatives to the other party hereto, his partners, successors, assigns, and legal representatives in respect to all covenants, agreements, and obligations contained in the Contract Documents.