

August 6, 2014
BOARD OF COUNTY COMMISSIONERS
ORANGE COUNTY, FLORIDA
Y14-7017 MM / ADDENDUM #3
ORANGE COUNTY CONVENTION CENTER WEST BUILDING
PHASE III / IV MAIN SWITCH BOARD BREAKER REPLACEMENT

Bid Opening Date: August 12, 2014

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 unchanged.

B. CHANGES TO DRAWINGS:

ELECTRICAL SHEETS ATTACHED, TO INCLUDE: E5.1.09, E5.1.10, E5.1.11, E5.1.12, E5.1.14, E5.1.16.

1. ITEM NO. 1: DRAWING SHEET NO. E5.1.09 – ELECTRICAL RISER MSB-9

A. Added replacement of 1600A Breaker. Refer to Single Line Diagram and New Hex Note #5

B. Added additional items to include training and spare breakers.

2. ITEM NO. 2: DRAWING SHEET NO. E5.1.10 – ELECTRICAL RISER MSB-10

A. Removed replacement of SPD and replacement of 4000A Main circuit breaker from project scope. Refer to Single Line Diagram and revised Hex Note #2, 3(removed), &4(removed).

B. Added replacement of 1600A Breaker. Refer to Revised Single line diagram and revised hex note#1.

3. ITEM NO. 3: DRAWING SHEET NO. E5.1.11 – ELECTRICAL RISER MSB-11

A. Added replacement of 2000A Breaker. Refer to Revised Single line diagram and New Hex note#5.

4. ITEM NO. 4: DRAWING SHEET NO. E5.1.12 – ELECTRICAL RISER MSB-12

A. Added replacement of 1600A & 2000A Breaker. Refer to Revised Single line diagram and New Hex note#5.

5. ITEM NO. 5: DRAWING SHEET NO. E5.1.14 – ELECTRICAL RISER MSB-14

A. Removed replacement of SPD and replacement of 4000A Main circuit breaker from project scope. Refer to Single Line Diagram and revised Hex Note #2, 3(removed), &4(removed).

B. Added replacement of 2000A Breaker. Refer to Revised Single line diagram and revised hex note#1.

6. ITEM NO. 6: DRAWING SHEET NO. E5.1.16 – ELECTRICAL RISER MSB-16

A. Added replacement of 2000A and 1200A Breaker. Refer to Revised Single line diagram and new Hex Note#5 and Note#6.

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

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.

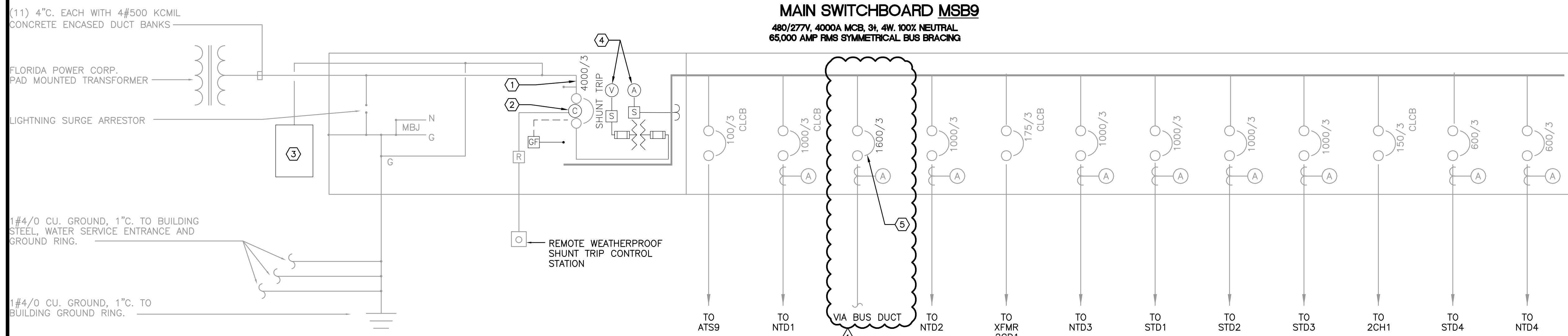
Receipt acknowledged by:

Authorized Signature

Date Signed

Title

Name of Firm

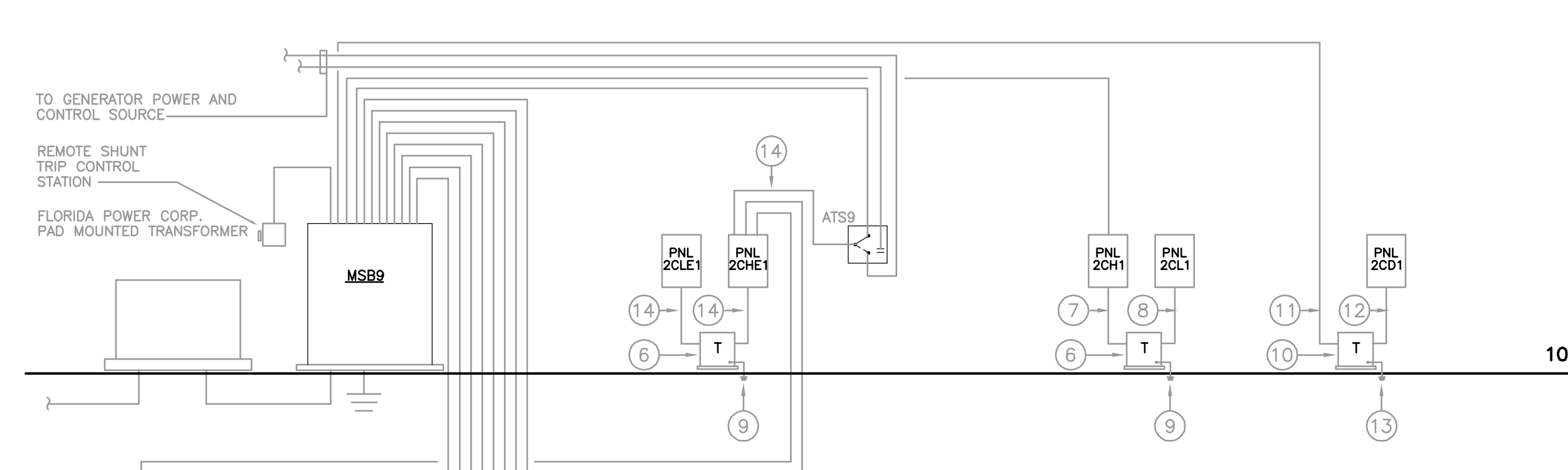


2 SERVICE #9 ONE LINE DIAGRAM
E5.1.09 NOT TO SCALE

ADDITIONAL ITEMS:
 • PROVIDE SPARE 2000A SQUARE D MASTERPACT BREAKER.
 • PROVIDE A MINIMUM OF TWO TRAINING SESSIONS OF MAINTENANCE PROCEDURES AND OPERATIONS OF DRAW OUT BREAKERS FOR OCC STAFF.

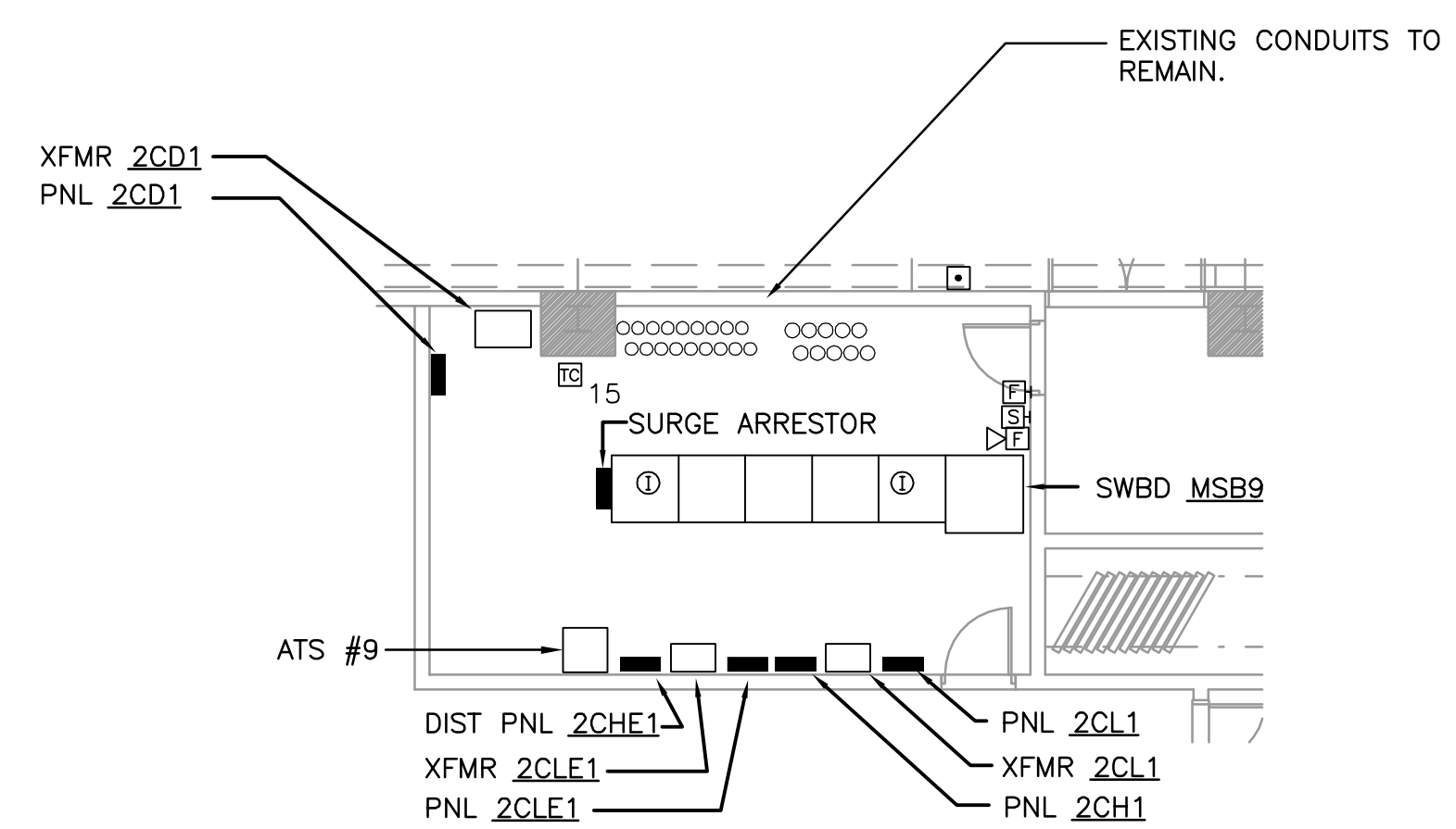
- GENERAL NOTES
- REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
 - REFER TO SPECIFICATIONS.
 - REWORK/RELOCATE EXISTING ELECTRICAL AS REQUIRED TO FACILITATE REMODELING.
 - CONTRACTOR SHALL MAINTAIN CONTINUITY TO EXISTING DEVICES REMAINING.
 - ALL WORK SHALL BE DONE BY QUALIFIED AND TRAINED PERSONNEL.
 - ALL DOWN TIME SHALL BE COORDINATED WITH OCC PROJECT MANAGER. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WHICH AREAS SHALL BE AFFECTED DURING OUTAGES.
 - ALL OUTAGES SHALL BE COMPLETED AT NIGHT/WEEKEND AT DIRECTION OF OCC PROJECT MANAGER.
 - ALL WORK SHALL BE COMPLETED BY A FACTORY AUTHORIZED INSTALLER.

- HEX NOTES
- EXISTING SQUARE D TYPE SE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.
 - NEW BREAKER SHALL BE CONNECTED TO EXISTING SHUNT TRIP EQUIPMENT.
 - NEW TVSS. REFER TO SPECIFICATIONS
 - NEW DIGITAL NETWORKABLE AMMETER/ VOLTMETER.
 - EXISTING SQUARE D TYPE R3 BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.

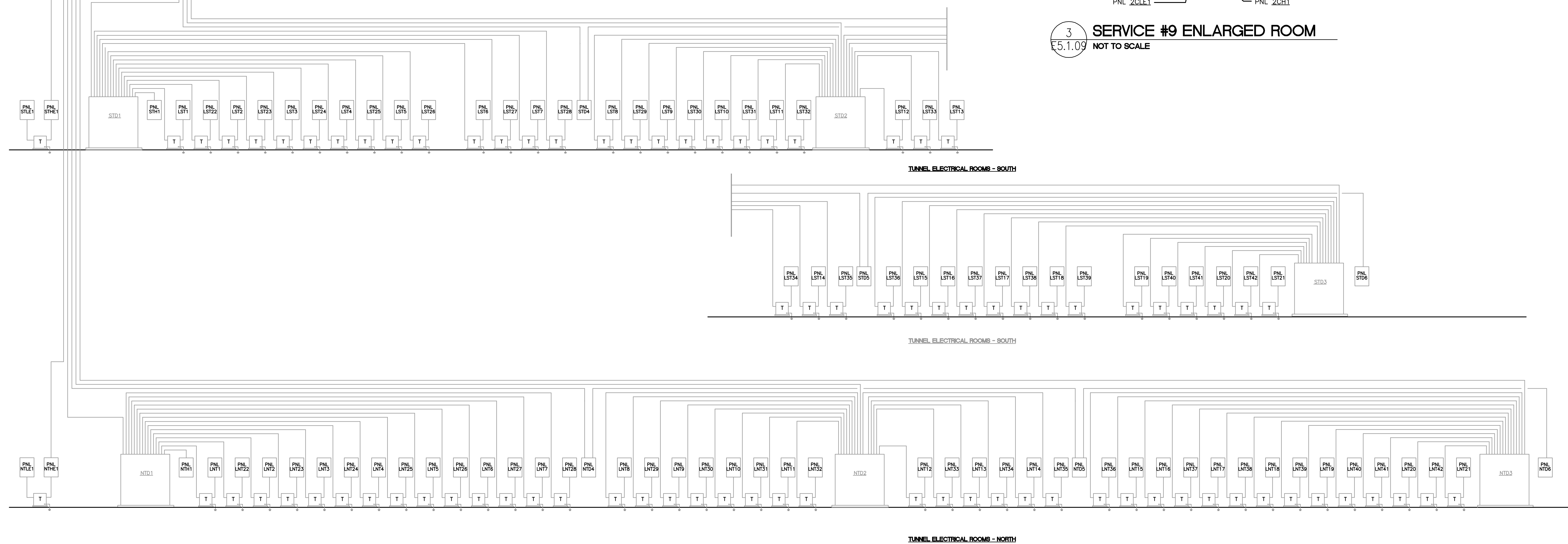


TUNNEL PANEL NOMENCLATURE LEGEND

PNL TYPE	CIRCUIT NUMBER
H 480/277V	LNT1-23
L 208/120V	SEQUENTIAL NUMBER
HE 480/277V EMERGENCY	LOCATION
LE 208/120V EMERGENCY	NT NORTH TUNNEL
D DIST. PANEL	ST SOUTH TUNNEL
T TRANSFORMER	WT WEST TUNNEL
S SUPPLEMENTARY SWITCHBOARD	

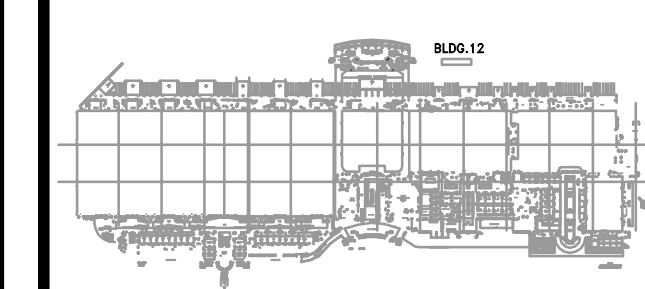


3 SERVICE #9 ENLARGED ROOM
E5.1.09 NOT TO SCALE



1 SERVICE #9 RISER DIAGRAM
E5.1.09 FOR REFERENCE ONLY

OCCC WEST BUILDING PHASE III/IV MSB UPGRADES



Key Plan - West

Revisions

No.	Date	Description
1	07/31/2014	ADDENDUM#1

MPE PROJ#: 2013-158
 Designed By: RB
 Drawn By: AG/RB
 Checked By: CT
 Issue Date: MAY 1, 2014
 Drawing Scale: NTS

ELECTRICAL RISER MSB-9

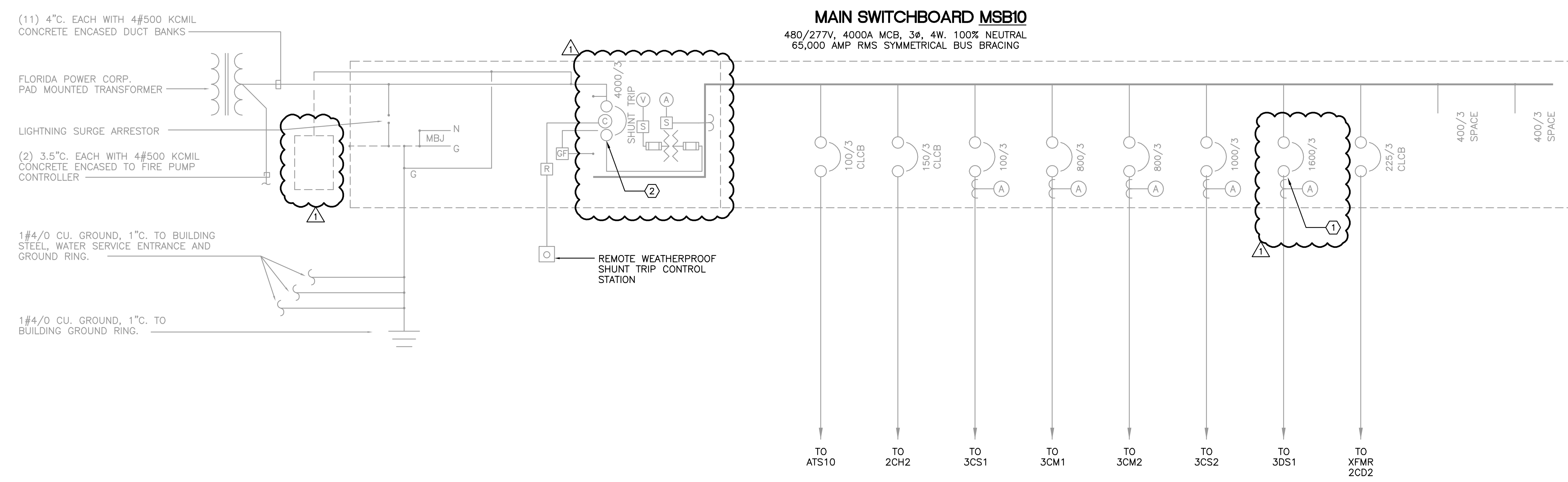
100% CONSTRUCTION DOCUMENTS
 Drawing No.

E5.1.09

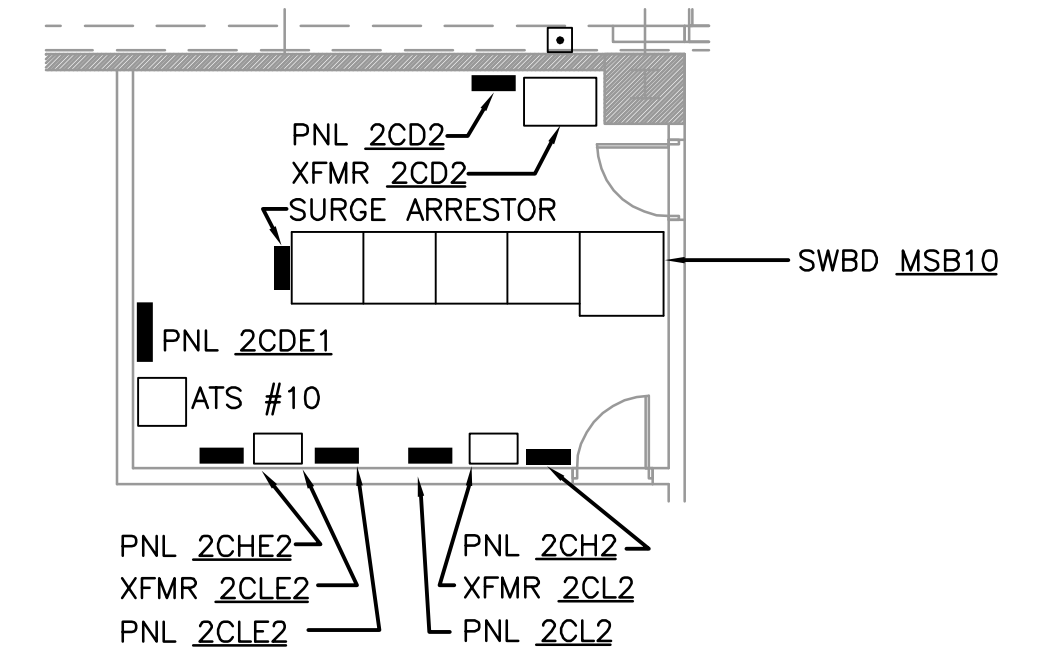
OCCC WEST BUILDING PHASE III/IV MSB UPGRADES

- GENERAL NOTES**
- 1) REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
 - 2) REFER TO SPECIFICATIONS.
 - 3) REWORK/RELOCATE EXISTING ELECTRICAL AS REQUIRED TO FACILITATE REMODELING.
 - 4) CONTRACTOR SHALL MAINTAIN CONTINUITY TO EXISTING DEVICES REMAINING.
 - 5) ALL WORK SHALL BE DONE BY QUALIFIED AND TRAINED PERSONNEL.
 - 6) ALL DOWN TIME SHALL BE COORDINATED WITH OCCC PROJECT MANAGER. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE WHICH AREAS SHALL BE AFFECTED DURING OUTAGES.
 - 7) ALL OUTAGES SHALL BE COMPLETED AT NIGHT/WEEKEND AT DIRECTION OF OCCC PROJECT MANAGER.
 - 8) ALL WORK SHALL BE COMPLETED BY A FACTORY AUTHORIZED INSTALLER.

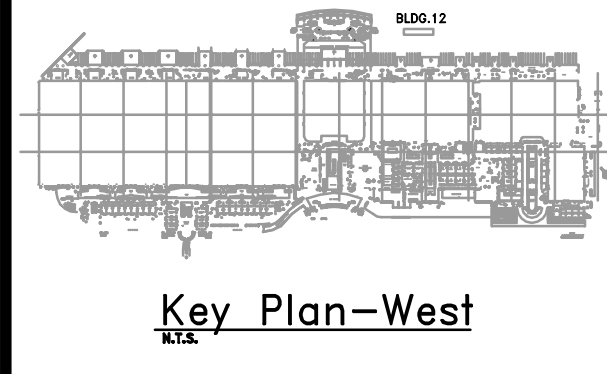
- HEX NOTES**
- 1) EXISTING SQUARE D TYPE Q BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.
 - 2) EXISTING DRAWOUT MAIN COMPLETED IN PREVIOUS PROJECT.



2 SERVICE #10 ONE LINE DIAGRAM
 E5.1.10 NOT TO SCALE

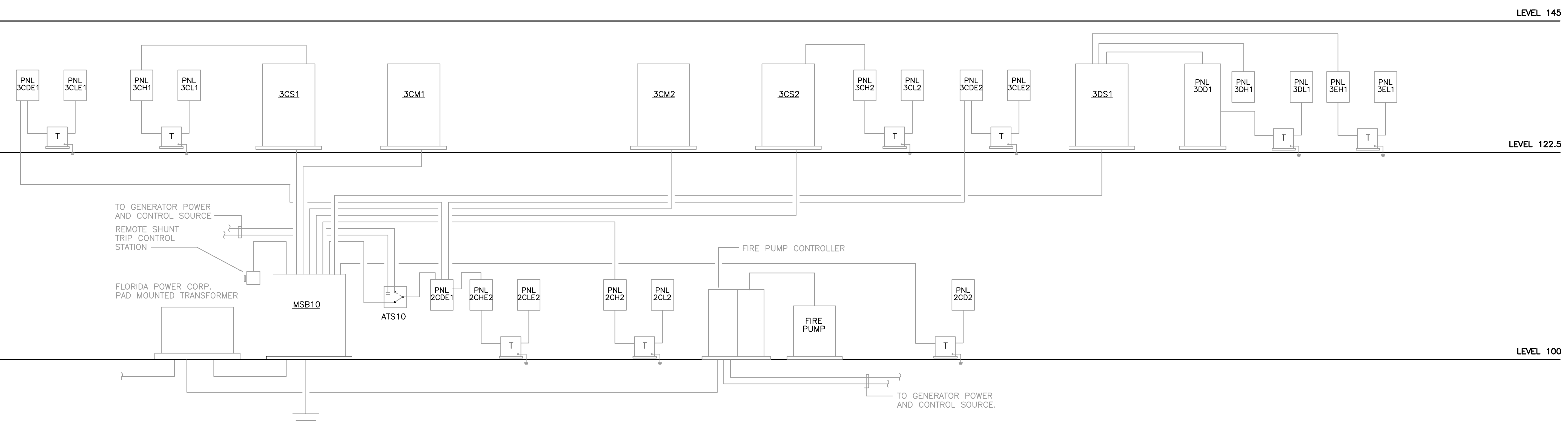


3 SERVICE #10 - ELECTRICAL ROOM
 E5.1.10 NOT TO SCALE



Revisions

No.	Date	Description
1	07/31/2014	ADDENDUM#1



1 SERVICE #10 RISER DIAGRAM
 E5.1.10 NOT TO SCALE (FOR REFERENCE ONLY)

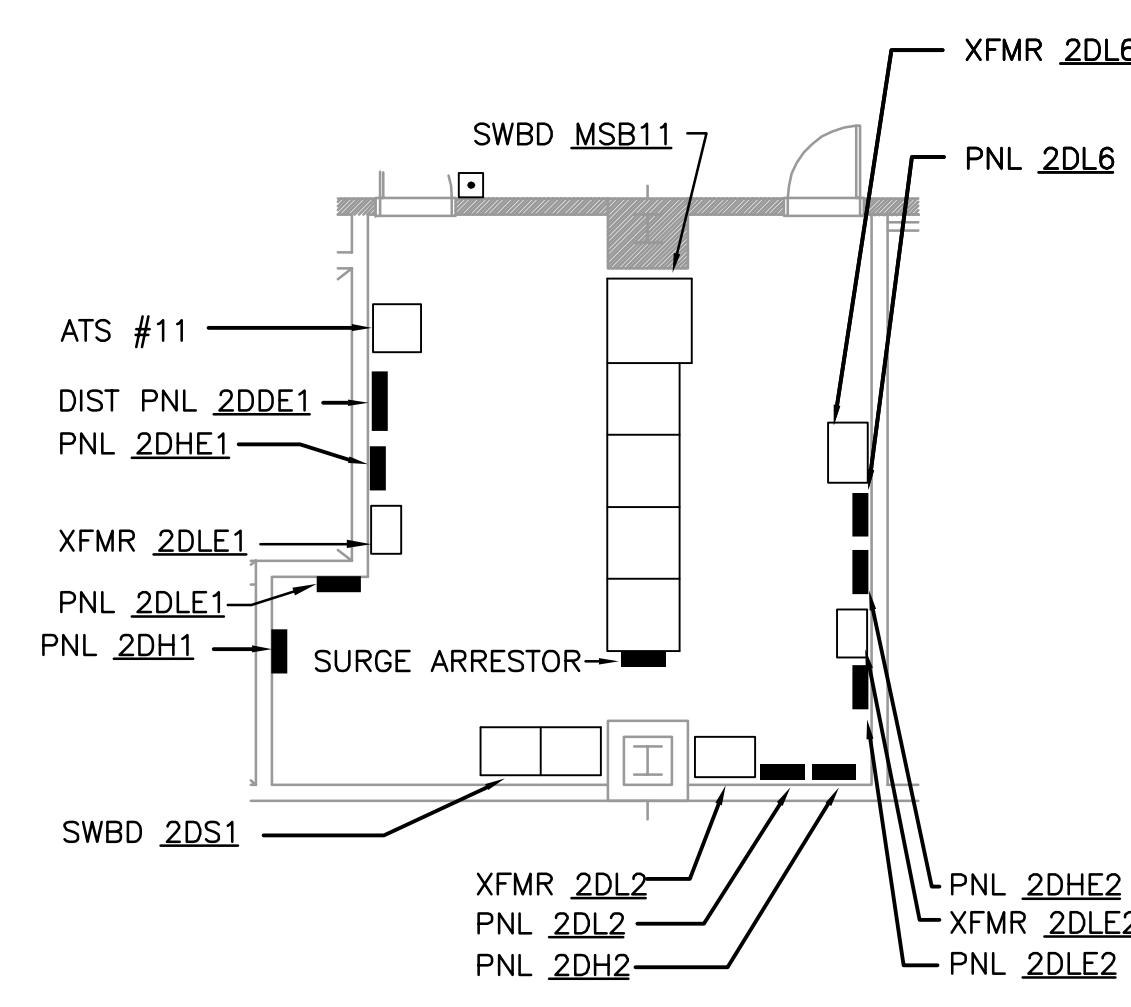
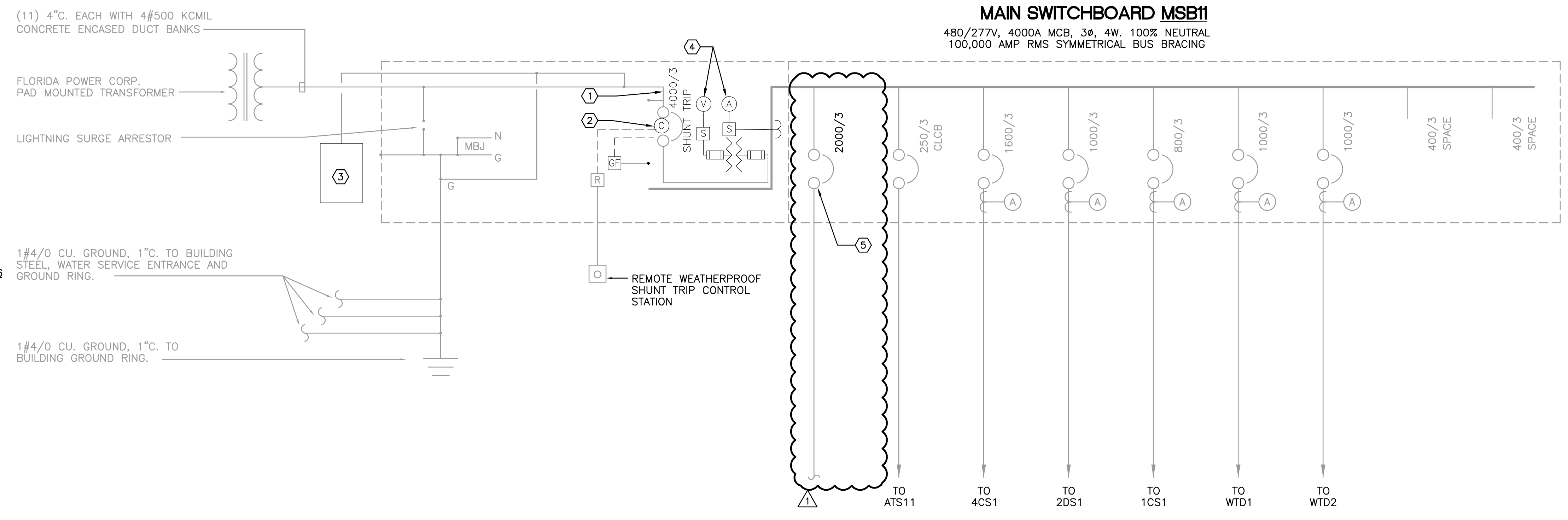
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 Drawn By: AG/RB
 Checked By: CT
 Issue Date: MAY 1, 2014
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ELECTRICAL RISER MSB-10
 100% CONSTRUCTION DOCUMENTS
 Drawing No.
E5.1.10

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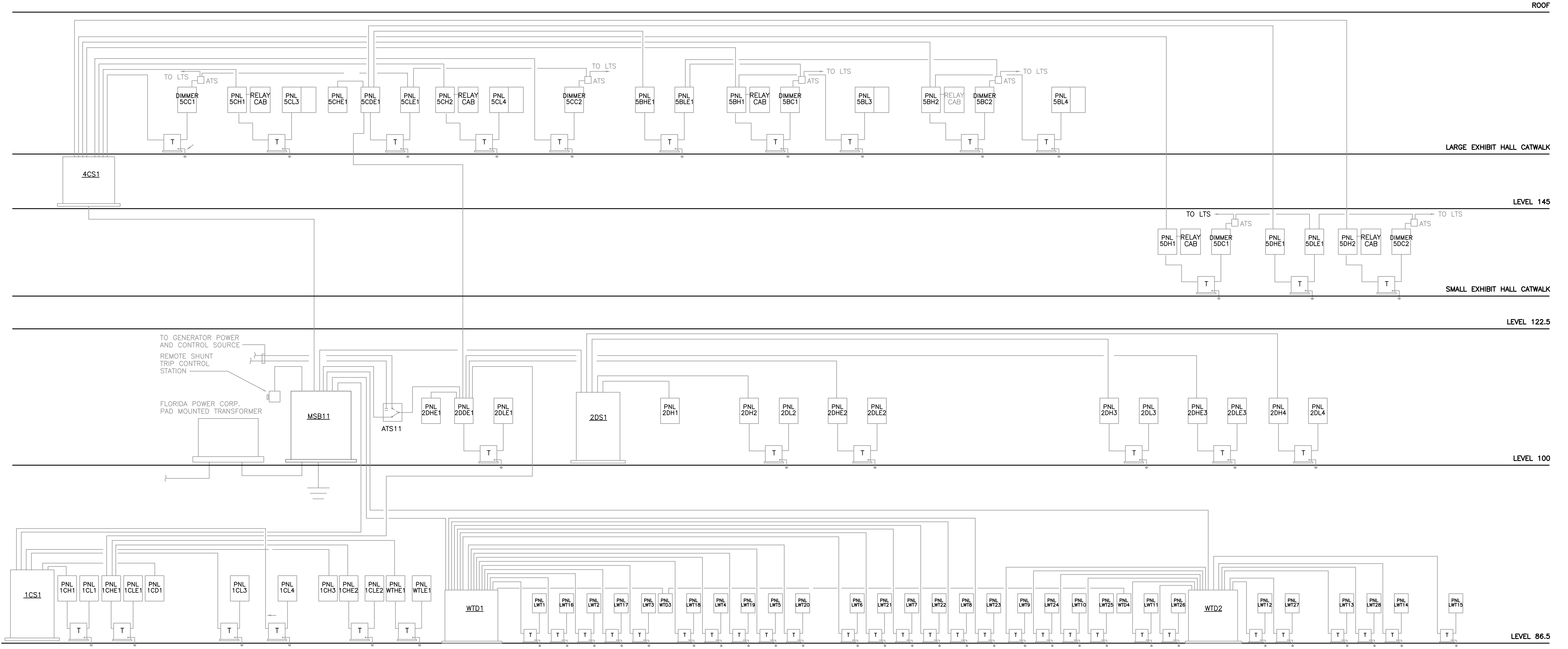
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OCCC WEST BUILDING PHASE III/V MSB UPGRADES

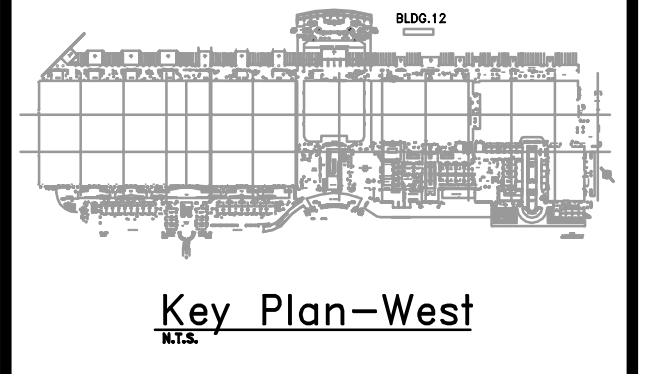
- GENERAL NOTES**
- REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
 - REFER TO SPECIFICATIONS.
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- HEZ NOTES**
- EXISTING SQUARE D TYPE SE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.
 - NEW BREAKER SHALL BE CONNECTED TO EXISTING SHUNT TRIP EQUIPMENT.
 - NEW TVSS. REFER TO SPECIFICATIONS.
 - NEW DIGITAL NETWORKABLE AMMETER/ VOLTMETER.
 - EXISTING SQUARE D TYPE FE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.



2 SERVICE #11 ONE LINE DIAGRAM
 NOT TO SCALE



1 SERVICE #11 RISER DIAGRAM
 NOT TO SCALE (FOR REFERENCE ONLY)



Revisions

No.	Date	Description
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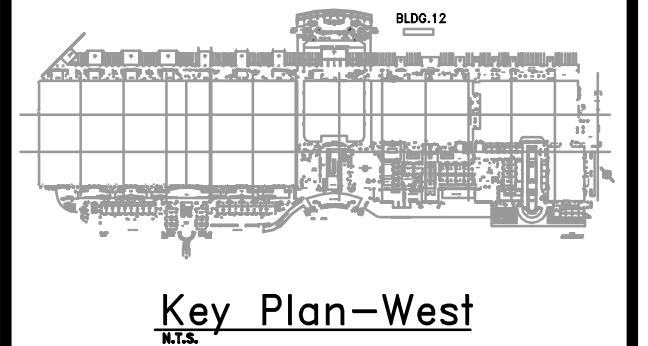
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 Checked By: CT
 Issue Date: MAY 1, 2014
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ELECTRICAL RISER MSB-11
 100% CONSTRUCTION DOCUMENTS
 Drawing No. E5.1.11

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 Consultants - A Solutions Based Firm
 ORLANDO | Fort Myers | Jacksonville | Tampa
 Matern Professional Engineering, Inc
 130 Candace Drive
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OCCC WEST BUILDING PHASE III/IV MSB UPGRADES



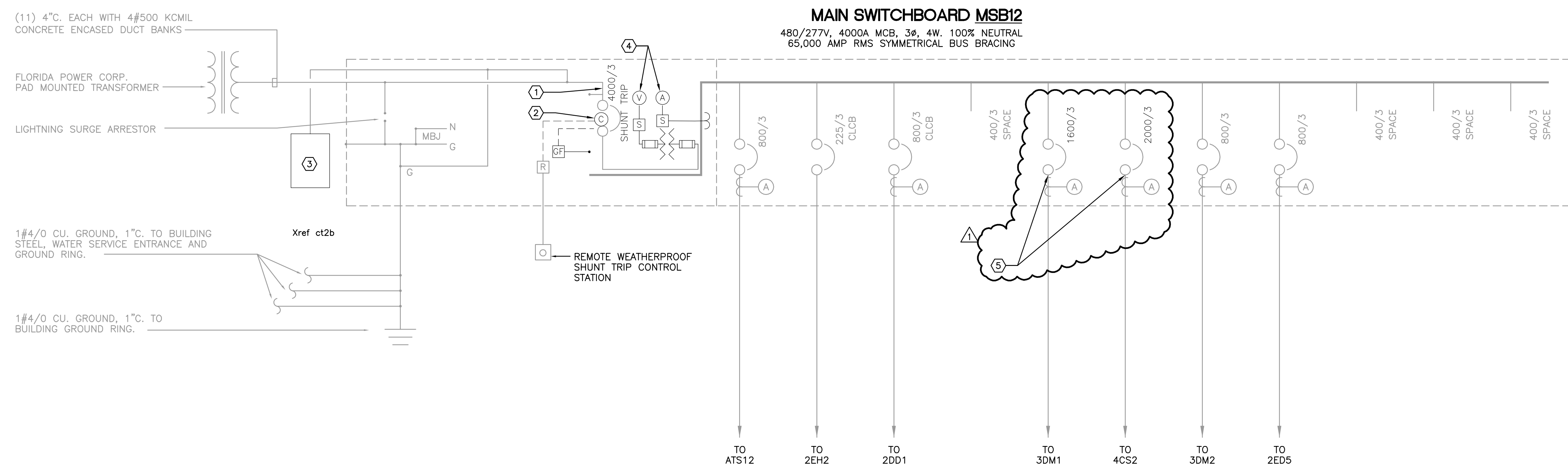
Revisions

No.	Date	Description
△	07/31/2014	ADDENDUM#1

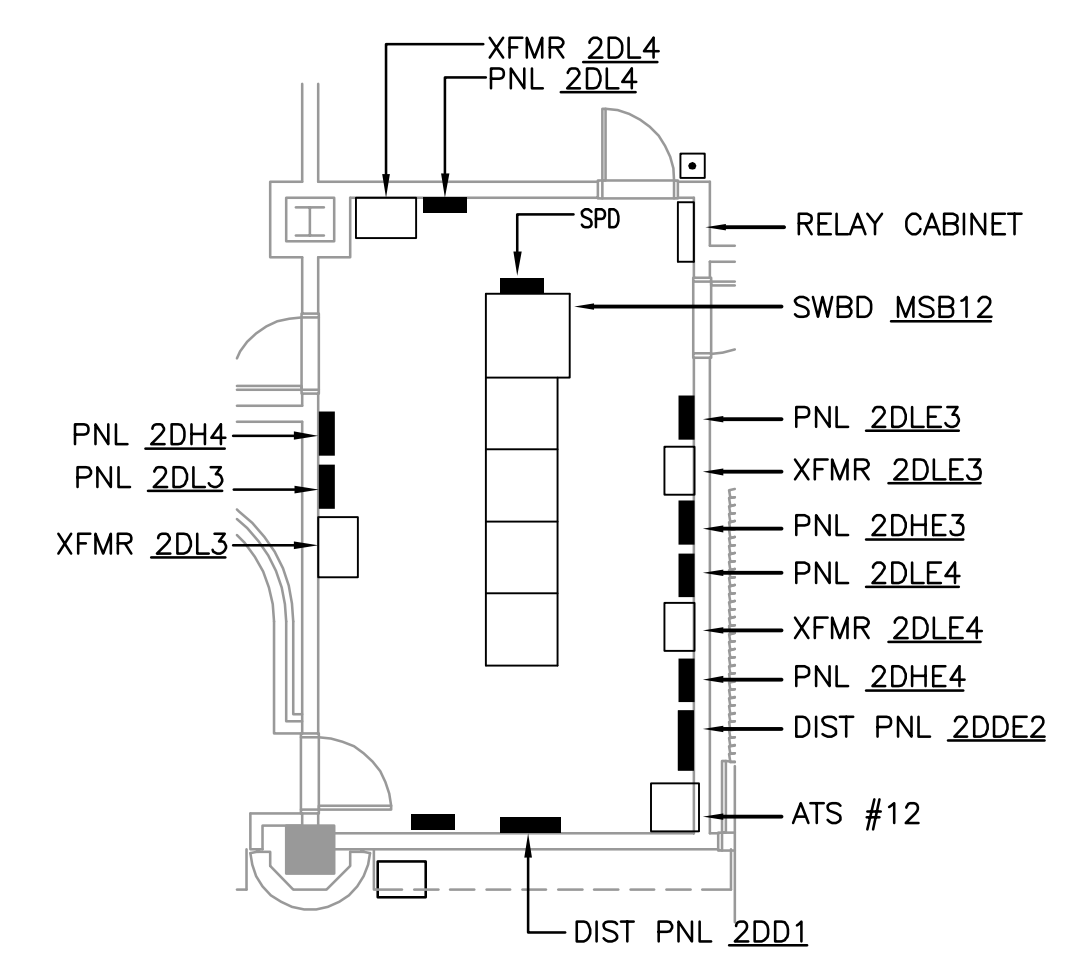
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 Issue Date: MAY 1, 2014
 Drawing Scale: NTS
 Drawing Title:
ELECTRICAL RISER MSB-12
 100% CONSTRUCTION DOCUMENTS
 Drawing No.
E5.1.12

- GENERAL NOTES
- REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
 - REFER TO SPECIFICATIONS.
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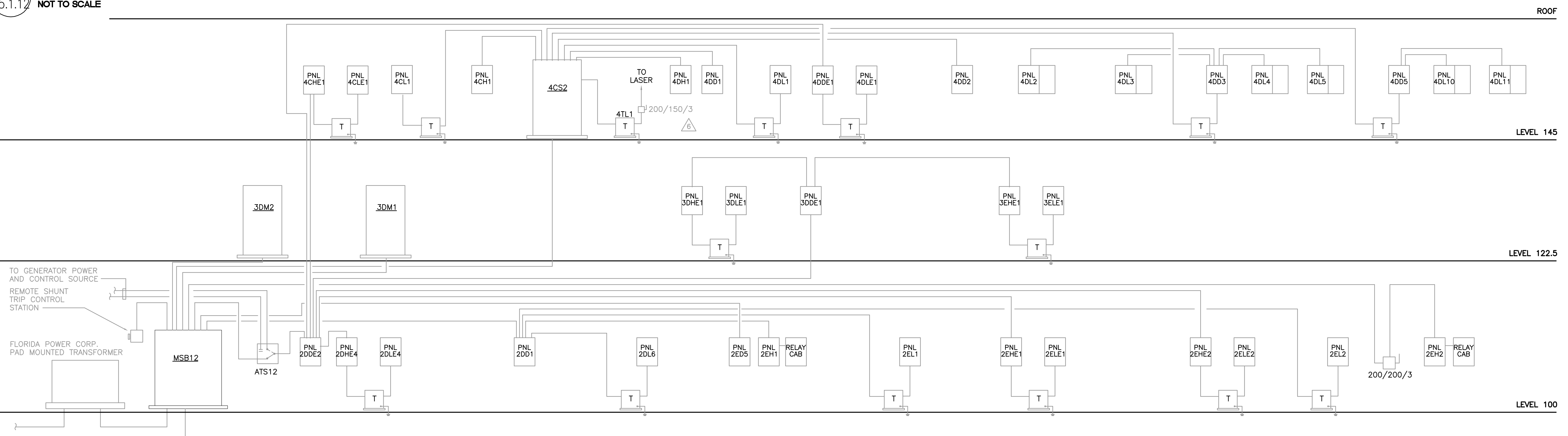
- HEX NOTES
- EXISTING SQUARE D TYPE SE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.
 - NEW BREAKER SHALL BE CONNECTED TO EXISTING SHUNT TRIP EQUIPMENT.
 - NEW TVSS. REFER TO SPECIFICATIONS
 - NEW DIGITAL NETWORKABLE AMMETER/ VOLTMETER.
 - EXISTING SQUARE D TYPE PE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.



2 SERVICE #12 ONE LINE DIAGRAM
 E5.1.12 NOT TO SCALE

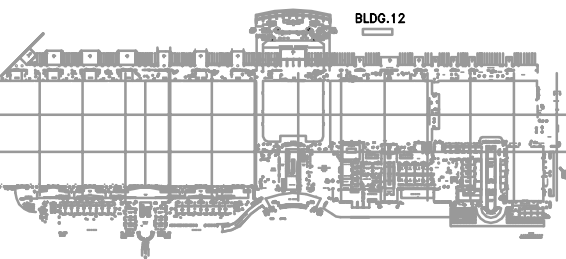


2 SERVICE #12 - ENLARGED PLAN
 E5.1.12 NOT TO SCALE



1 SERVICE #12 RISER DIAGRAM
 E5.1.12 NOT TO SCALE (FOR REFERENCE ONLY)

OCCC WEST BUILDING PHASE III/V MSB UPGRADES



Key Plan - West

Revisions

No.	Date	Description
1	07/31/2014	ADDENDUM#1

MPE PROJ#: 2013-158

Designed By:	RB
Drawn By:	AG/RB
Checked By:	CT
Issue Date:	MAY 1, 2014
Drawing Scale:	NTS

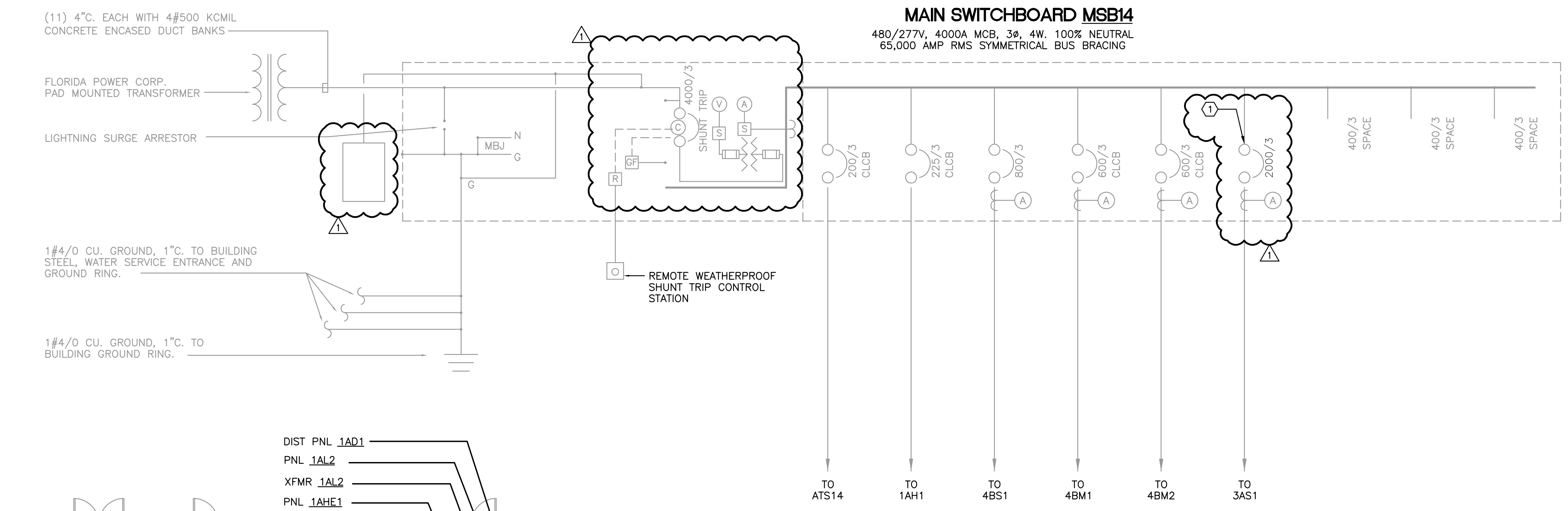
ELECTRICAL RISER MSB-14

100% CONSTRUCTION DOCUMENTS
 Drawing No.

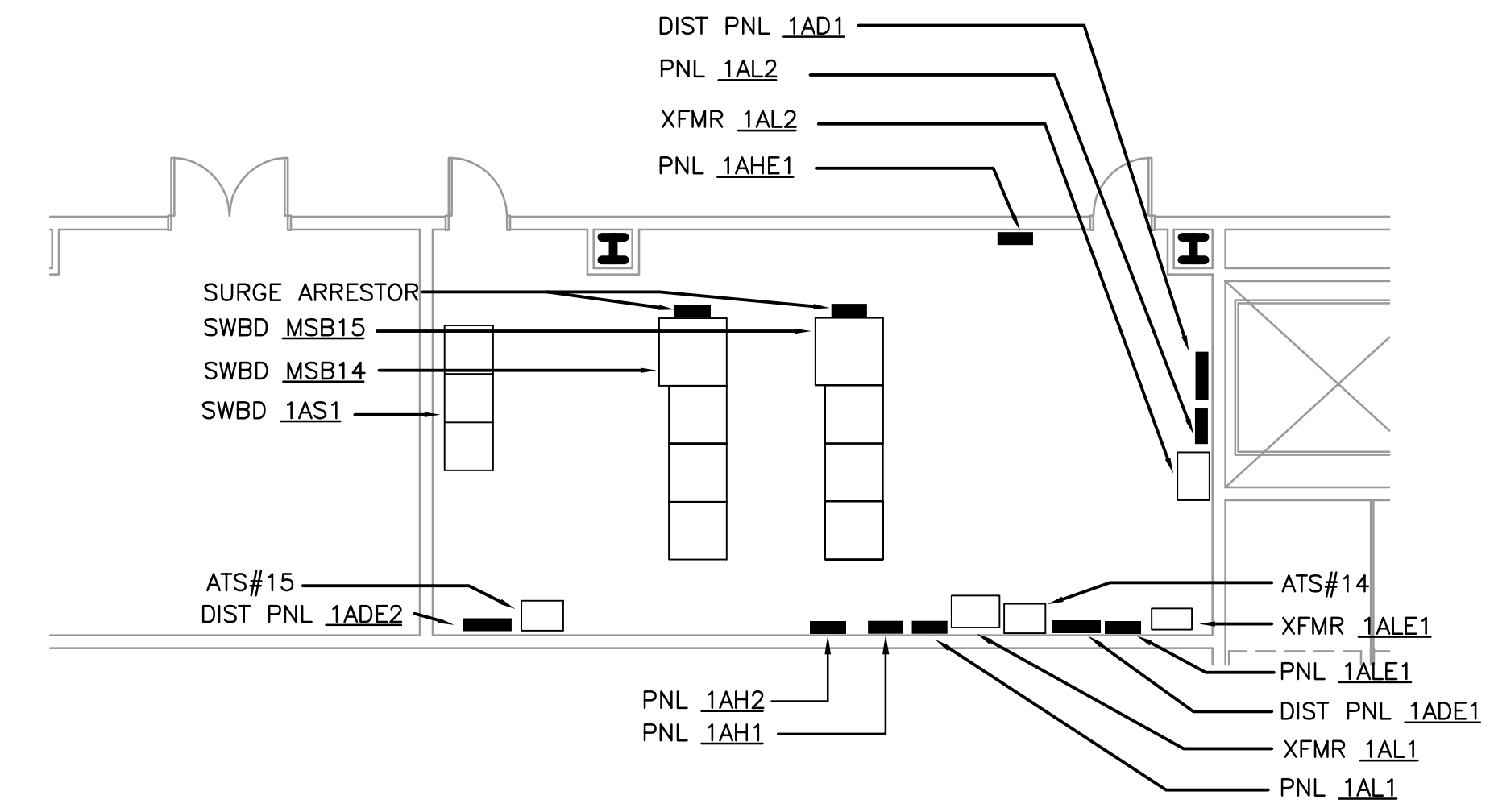
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- GENERAL NOTES
- REFER TO GENERAL NOTES FOR THIS DISCIPLINE.
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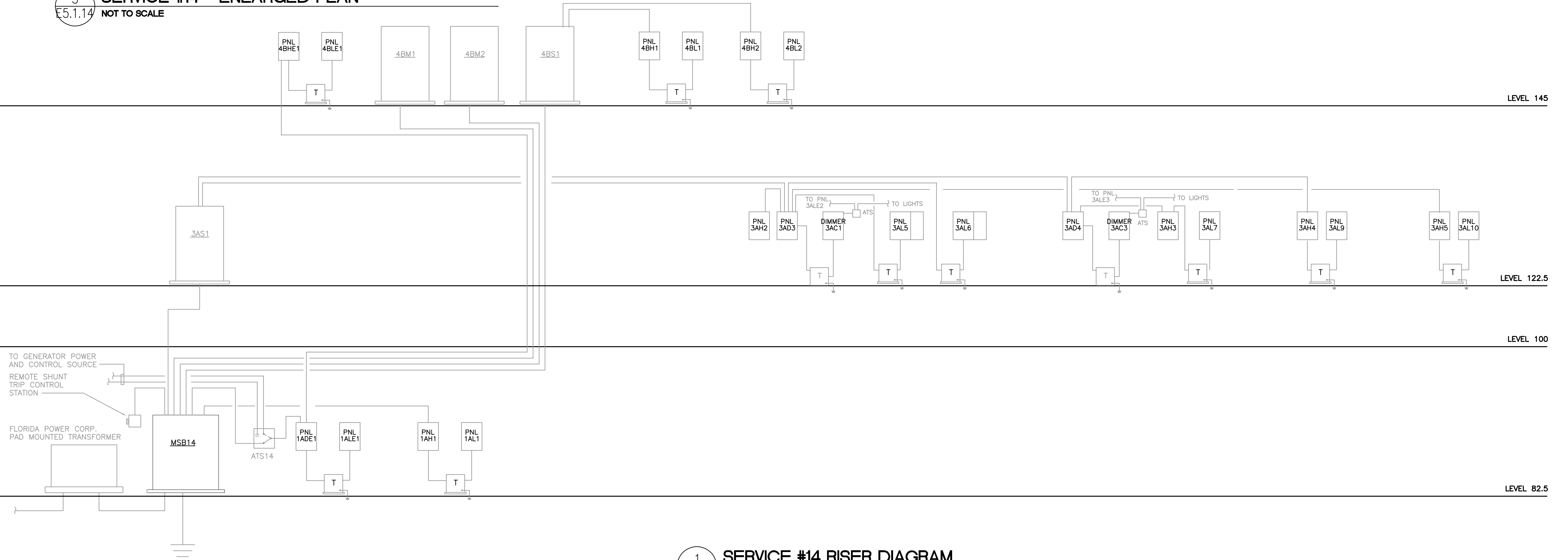
- HEX NOTES
- EXISTING SQUARE D TYPE PE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.
 - EXIST DRAWOUT MAIN COMPLETED IN PREVIOUS PROJECT.



2 SERVICE #14 ONE LINE DIAGRAM
 E5.1.14 NOT TO SCALE



3 SERVICE #14 - ENLARGED PLAN
 E5.1.14 NOT TO SCALE

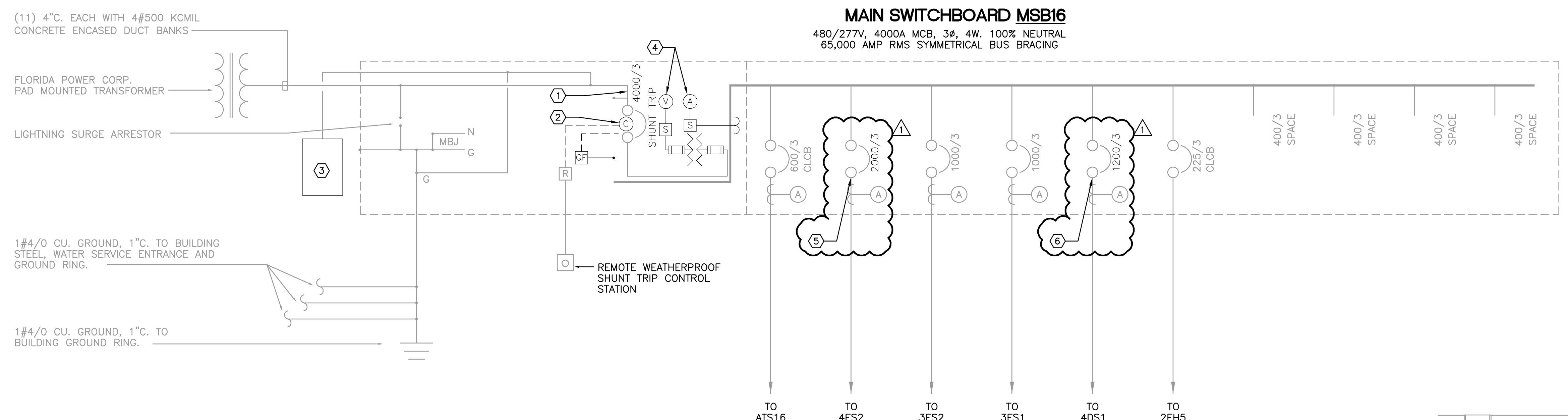


1 SERVICE #14 RISER DIAGRAM
 E5.1.14 NOT TO SCALE (FOR REFERENCE ONLY)

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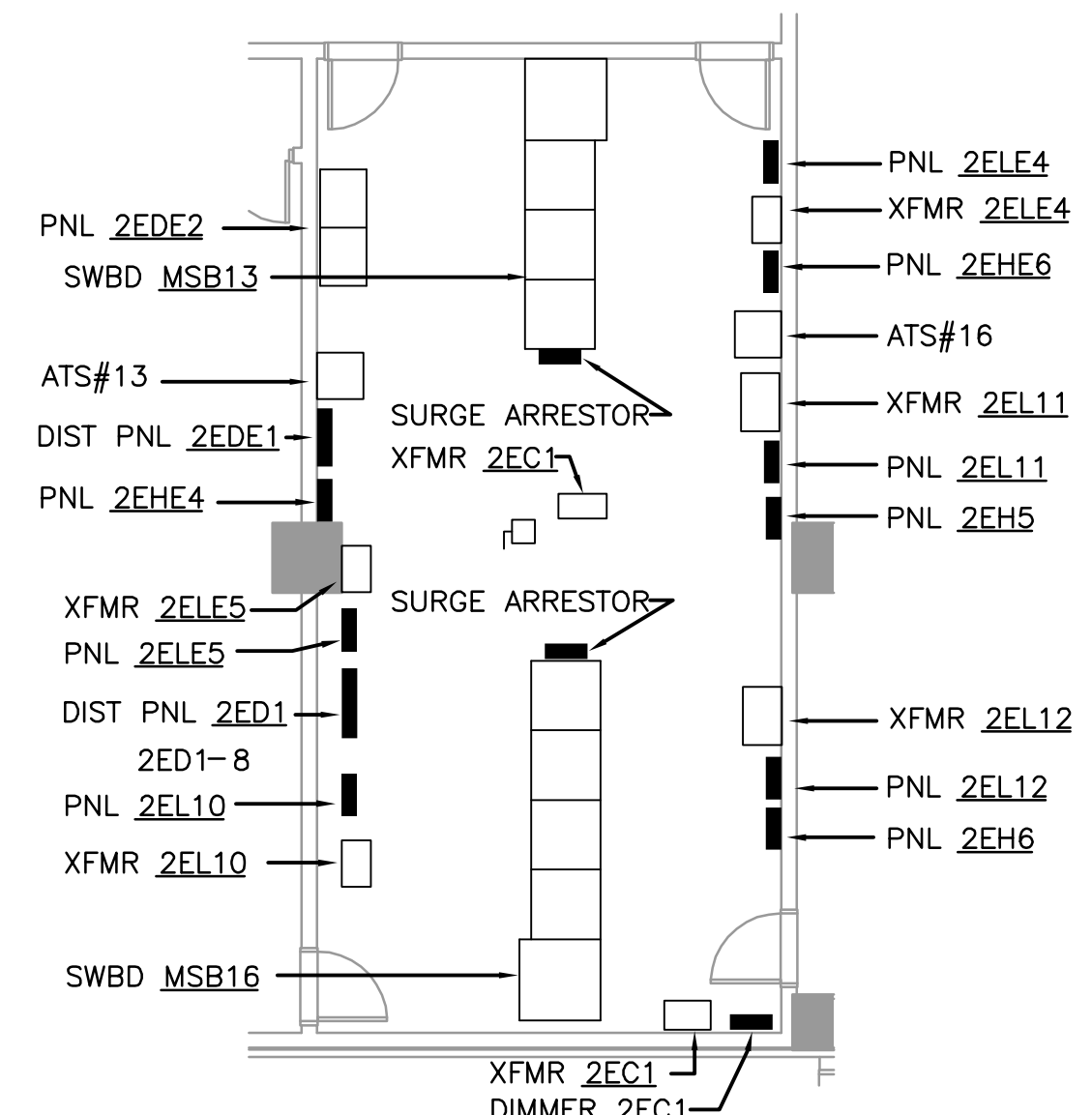
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 CHECKED BY: CT
 ISSUE DATE: MAY 1, 2014
 DRAWING SCALE: NTS
 DRAWING TITLE: ELECTRICAL RISER MSB-16
 100% CONSTRUCTION DOCUMENTS
 DRAWING NO. E5.1.16

MATERN PROFESSIONAL ENGINEERING
 ME/PE/FP Engineering Consultants - A Solutions Based Firm
 ORLANDO | Fort Myers | Jacksonville | Tampa
 Matern Professional Engineering, Inc.
 130 Candace Drive
 Maitland, FL 32751-3331
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 ENG. BUS. No. EB-0000986 CERT. OF AUTH. No. 5098



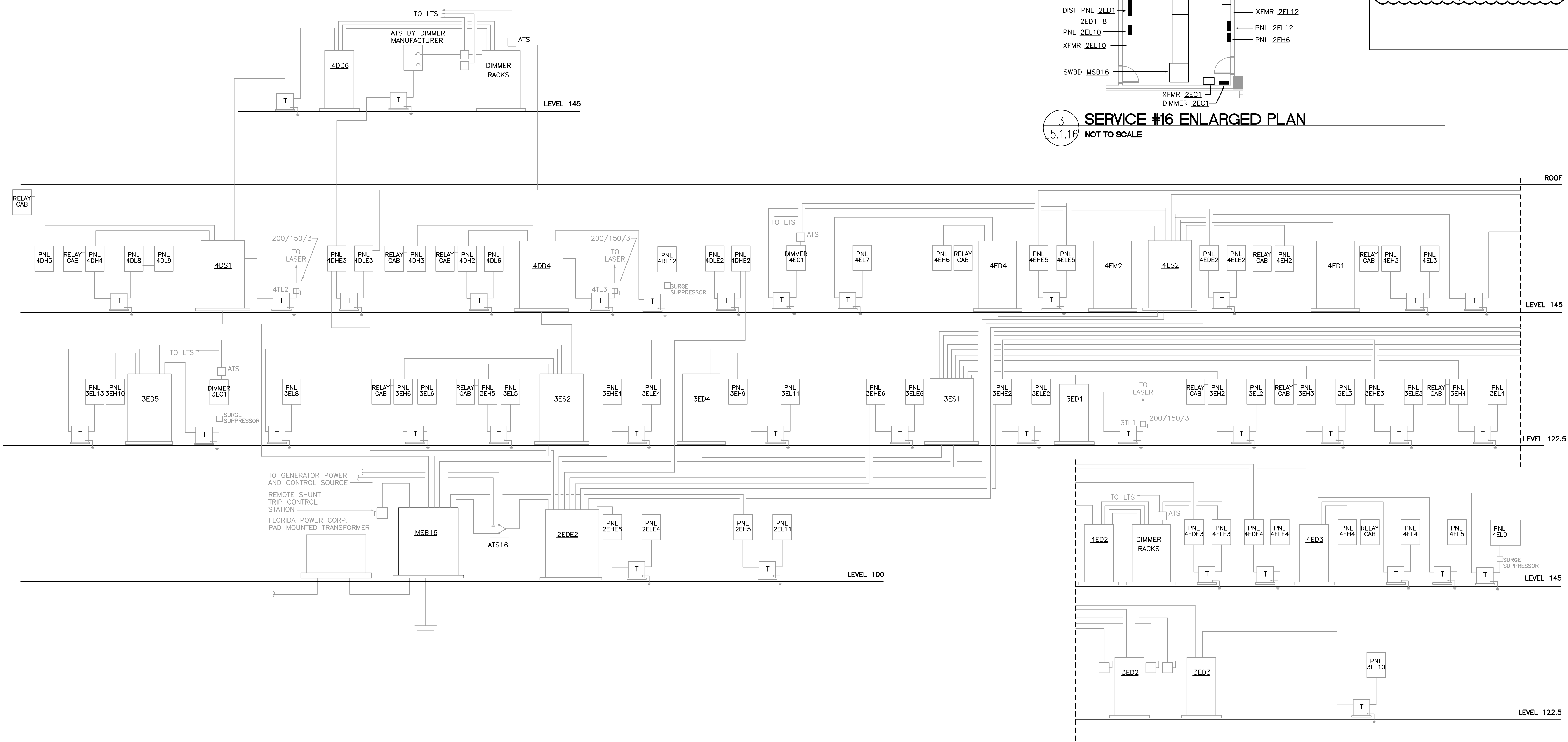
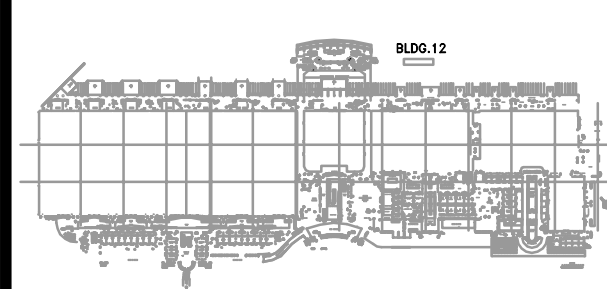
- GENERAL NOTES**
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2 SERVICE #16 ONE LINE DIAGRAM
 E3.008 NOT TO SCALE



- HEX NOTES**
- EXISTING SQUARE D TYPE SE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.
 - NEW BREAKER SHALL BE CONNECTED TO EXISTING SHUNT TRIP EQUIPMENT.
 - NEW TVSS. REFER TO SPECIFICATIONS
 - NEW DIGITAL NETWORKABLE AMMETER/ VOLTMETER.
 - EXISTING SQUARE D TYPE FE BREAKER TO BE REMOVED. REPLACE WITH NEW SQUARE D MASTER PACT DRAW OUT BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER.
 - EXISTING SQUARE D TYPE NE BREAKER TO BE REMOVED. REPLACE AND RELOCATE TO 1 LINE SECTION WITH NEW SQUARE D R FRAME BREAKER. CONTRACTOR SHALL PROVIDE ALL ACCESSORIES TO FACILITATE REMOVAL AND INSTALLATION OF NEW BREAKER. EC TO EXTEND CONDUCTORS AS REQUIRED.

3 SERVICE #16 ENLARGED PLAN
 E5.1.16 NOT TO SCALE



1 SERVICE #16 RISER DIAGRAM
 E3.008 NOT TO SCALE

Revisions

No.	Date	Description
△	07/31/2014	ADDENDUM#1

MPE PROJ#: 2013-158
 Designed By: RB
 Drawn By: AG/RB
 Checked By: CT
 Issue Date: MAY 1, 2014
 Drawing Scale: NTS
 Drawing Title: ELECTRICAL RISER MSB-16
 100% CONSTRUCTION DOCUMENTS
 Drawing No. E5.1.16