Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 01:

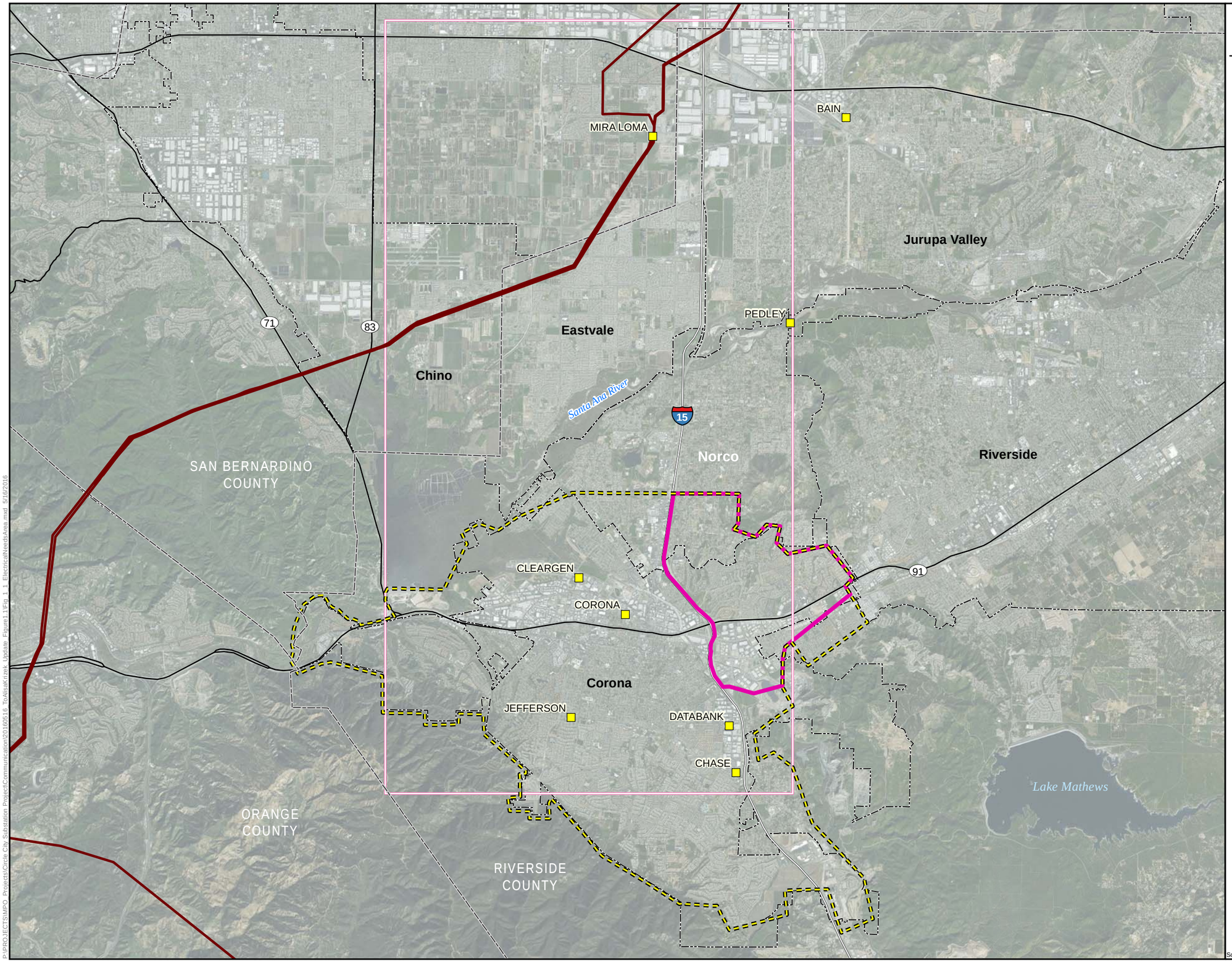
Please confirm whether the proposed upgrade of the existing Mira Loma Substation to accommodate the new Mira Loma-Jefferson Subtransmission Line would occur entirely within the fence line of the existing Mira Loma Substation.

Response to Question 01:

Yes, the proposed upgrade of the existing Mira Loma Substation to accommodate the new Mira Loma-Jefferson Subtransmission Line would occur entirely within the fence line of the existing Mira Loma Substation.

FIGURE 1-1: ELECTRICAL NEEDS AREA

Circle City Substation and Mira Loma-Jefferson Subtransmission Line Project



Sources: Insignia, 2015; SCE, 2015

P:\PROJECTS\MPO_Projects\Circle City Substation Project\Communication\20160516_ToAllsaKirpak_Update_Figure1.1\Fig_1_1_ElectricalNeedsArea.mxd 5/16/2016

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Alisa Krizek
Title: Environmental Project Manager
Dated: 05/09/2016

Question 02:

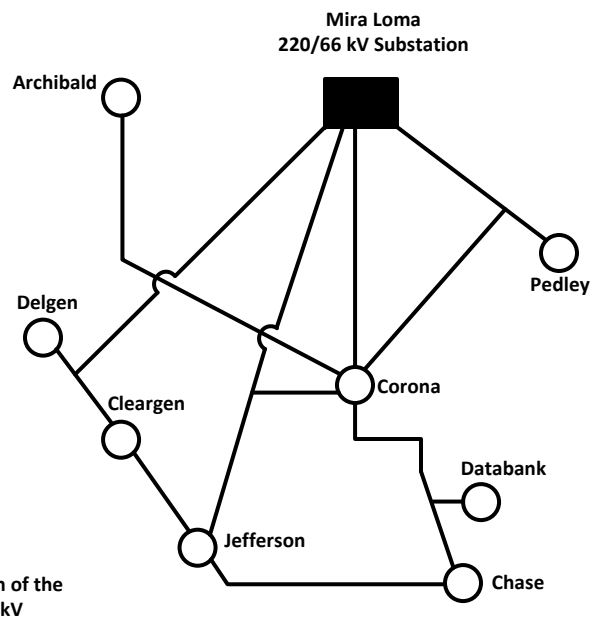
Regarding PEA Figure 1-1, Electrical Needs Area, please identify and provide supporting GIS for the location of the Bain Substation, as we understand that telecommunications upgrades are proposed there.

Response to Question 02:

Attached is a revised Figure 1-1 and associated GIS data identifying the location of Bain Substation.

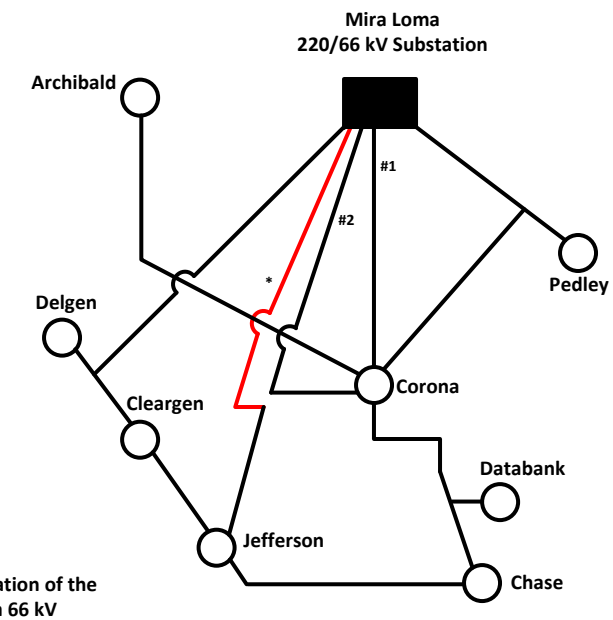
Data Request Set A1512007 ED-SCE-02
Circle City Substation and Mira Loma-Jefferson 66 kV Line Project

MIRA LOMA SYSTEM
66 kV Lines
(existing)



This is a representation of the Mira Loma 66 kV System showing all of the lines that serve the area south of Mira Loma and which are in proximity to the ENA.

MIRA LOMA SYSTEM
66 kV Lines
(proposed)



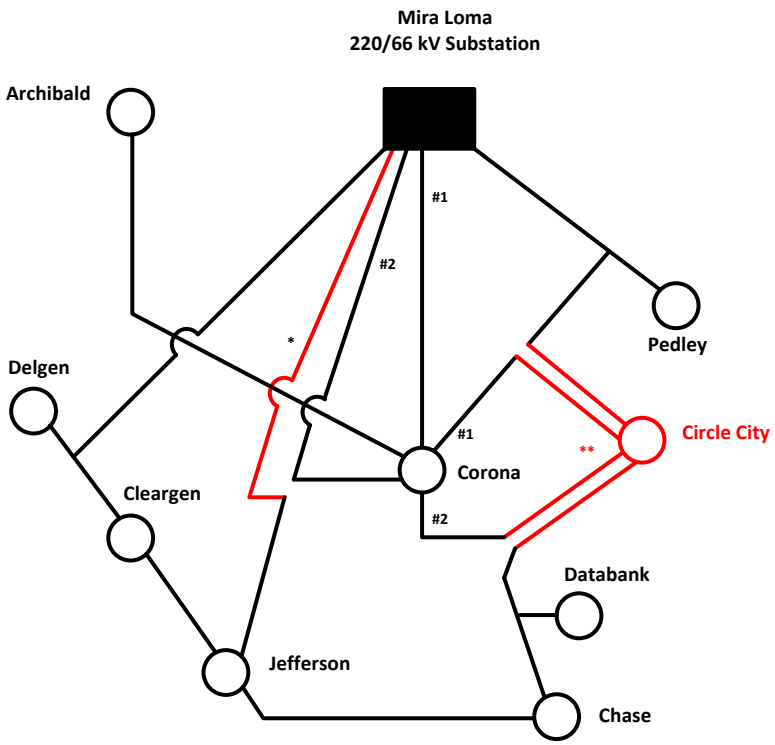
This is a representation of the Mira Loma 66 kV System showing all of the lines that serve the area south of Mira Loma and which are in proximity to the ENA.

* Construct new line that would connect to the Jefferson segment of the existing Mira Loma-Corona-Jefferson line. This would form the Mira Loma-Jefferson & Mira Loma-Corona #2 lines.

These schematic diagrams are for illustrative purposes only and are not to any scale.

MIRA LOMA 220/66 kV SYSTEM
(proposed - with Circle City Substation and Mira Loma-Jefferson 66 kV Line)

*** Construct new line that would connect to the Jefferson segment of the existing Mira Loma-Corona-Jefferson line. This would form the Mira Loma-Jefferson & Mira Loma-Corona #2 lines.**



**** Construct new Circle City 66/12 kV Sub. Loop-in the Corona segment of the Mira Loma-Corona-Pedley line & loop-in the Corona segment of the Chase-Corona-Databank line. This would form the Circle City-Corona #1 & 2, Mira Loma-Circle City-Pedley, and Circle City-Databank lines.**

This is a representation of the Mira Loma 66 kV System showing all of the lines that serve the area south of Mira Loma and which are in proximity to the ENA.

These schematic diagrams are for illustrative purposes only and are not to any scale.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Paul McCabe
Title: Project Manager - Electric System Planning and Modernization
Dated: 05/09/2016

Question 03:

Please revise PEA Figure 1-2 to include the existing and proposed configurations for the Mira Loma-Jefferson Subtransmission Line, or provide an additional figure to illustrate that information.

Response to Question 03:

Please see the attachment titled "A1512007_ED-SCE-02_Q3.pdf" for a figure that illustrates the existing and proposed configurations of the Mira Loma 66 kV System.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

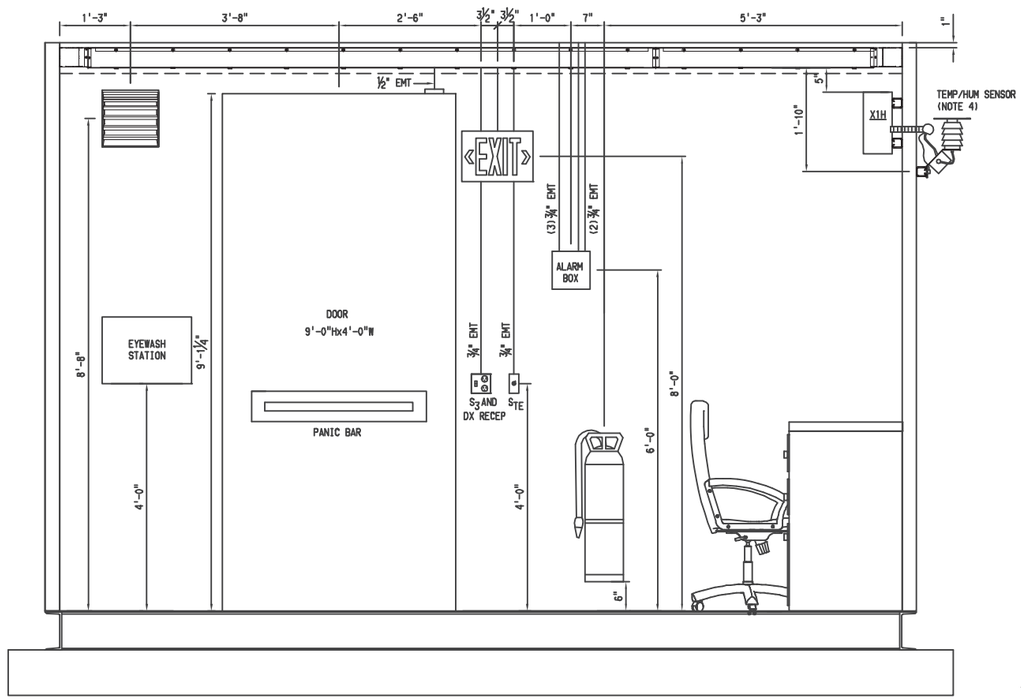
To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 04:

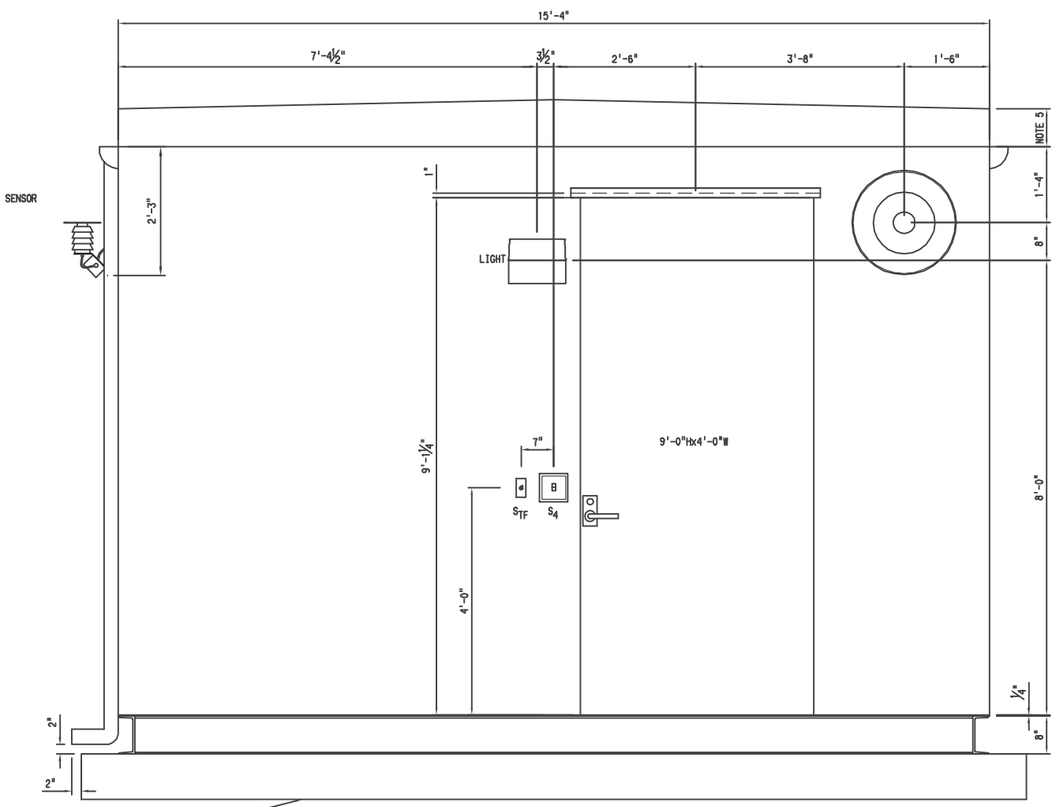
Based on the explanation provided in Section 3.1.1.3 on PEA page 3-7, it appears that the 12 kV switchrack would have 12 positions, not 13 as indicated. Please confirm which is correct.

Response to Question 04:

The 12kV switchrack will have 12 positions.



ELEVATION C SH.1
B-WALL INTERIOR



ELEVATION D SH.1
B-WALL EXTERIOR

NOTES:
1. SEE BUILDING BILL OF MATERIAL & DESIGN CRITERIA.
2. TO BE MOUNTED ON CONCRETE SLAB.
3. EMT CONDUIT TO BE USED FOR INTERIOR ONLY.
4. SEE DETAL 8 FOR TEMP & HUMIDITY SENSOR INSTALLATION.
5. TO BE SPECIFIED BY SCE.

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

REFERENCE DRAWINGS
ECS 71-00-04 SH.S1 & S2 MEER FOUNDATION
ECS 71-00-04 SH. INTERFACE CABINET
ECS 71-00-04 SH. CABLE TRAY
ECS 71-00-04 SH.2,SH.4,&SH.5 MEER A,C,&D-WALL
ECS 71-00-04 SH.1 MEER EQUIPMENT PLAN
SPECIFICATION SSS8

NO.	REVISIONS	DATE	SAP WO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.
1	GENERAL STANDARD REVISION	8/28/15		JCM	DG	VM	PELA	PELA	
0	INITIAL ISSUE - NEW ELEVATION VIEW	8/29/14		JCM	DG	VM	RA	RA	

ELECTRICAL CONSTRUCTION STATION
— SCE INTERNAL —

DROP IN MEER
B-WALL INTERIOR AND EXTERIOR ELEVATION

SCALE: 1"=1'-0"

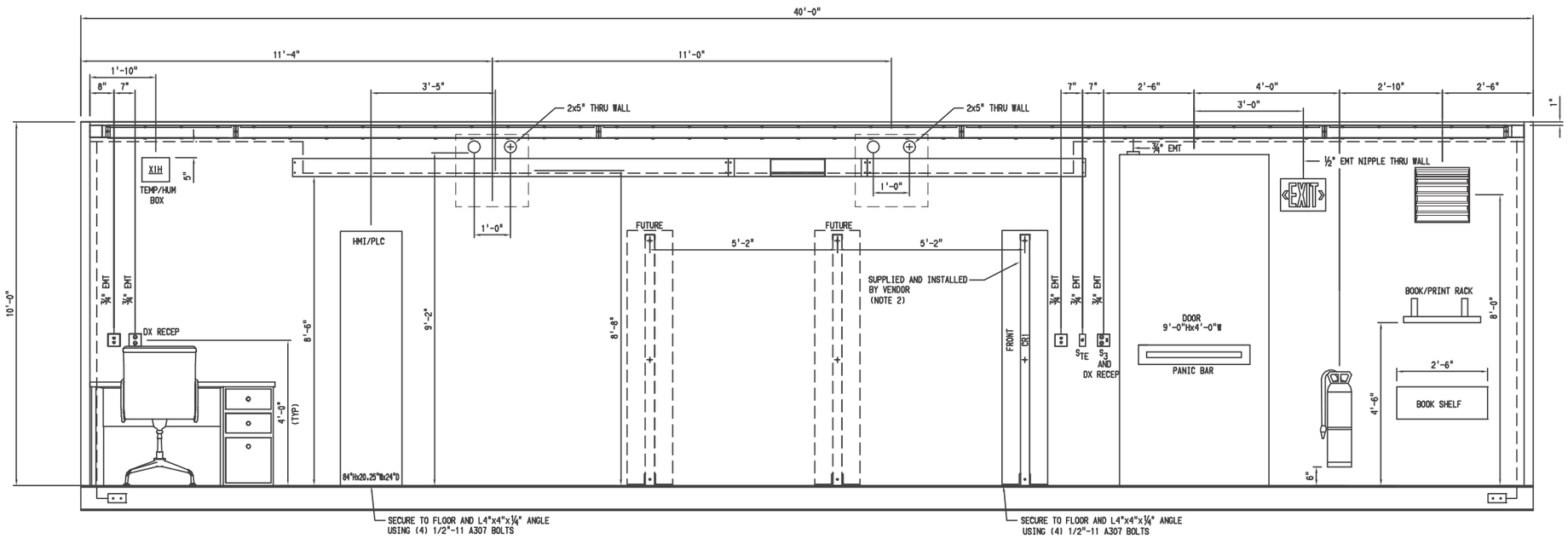
ECS

FILE NAME: ECS710004SH3.DWG

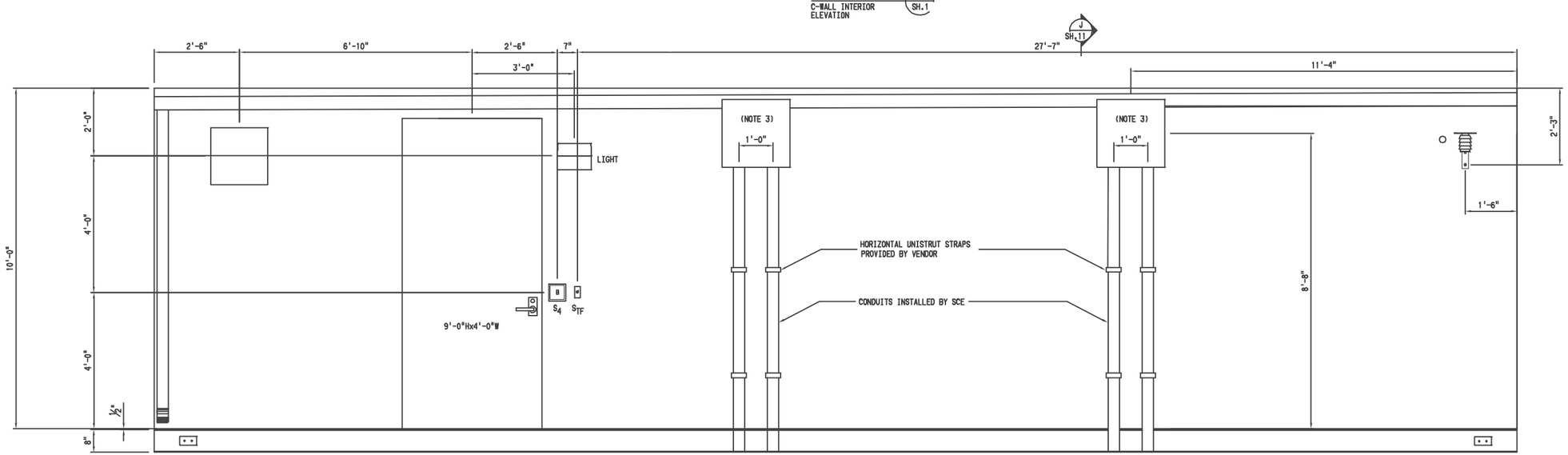
SHEET 3 OF 11
REV. 1

71-00-04

04-03-14
GF/EYER



ELEVATION E SH.1
C-WALL INTERIOR ELEVATION



ELEVATION F SH.1
C-WALL EXTERIOR ELEVATION

NOTES:
1. EMT CONDUIT TO BE USED FOR INTERIOR ONLY.
2. TELECOM RACKS SHALL BE BUILT/DESIGNED TO EIA 310D SPECS.
3. SEE SECTION J ON SHEET 11 FOR PB MOUNTINGS.

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

REFERENCE DRAWINGS	NO.	REVISIONS	DATE	SAP WO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.
ECS 71-00-04 SH.S1&S2 MEER FOUNDATION										
ECS 71-00-04 SH. INTERFACE CABINET										
ECS 71-00-04 SH. CABLE TRAY										
ECS 71-00-04 SH.2,SH.3,&SH.5 MEER A,B,&D-WALL										
ECS 71-00-04 SH.1 MEER EQUIPMENT PLAN										
SPECIFICATION SSS8										

NO.	REVISIONS	DATE	SAP WO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.
2	GENERAL STANDARD REVISION	8/28/15		JCM	DG	VM	PELA	PELA	
1	DRAFTING COSMETICS	2/27/15		JCM	DG	VM	RA	RA	
0	INITIAL ISSUE - NEW ELEVATION VIEW	8/29/14		JCM	DG	VM	RA	RA	

ELECTRICAL CONSTRUCTION STATION
— SCE INTERNAL —

DROP IN MEER
INTERIOR/EXTERIOR ELEVATION VIEW

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

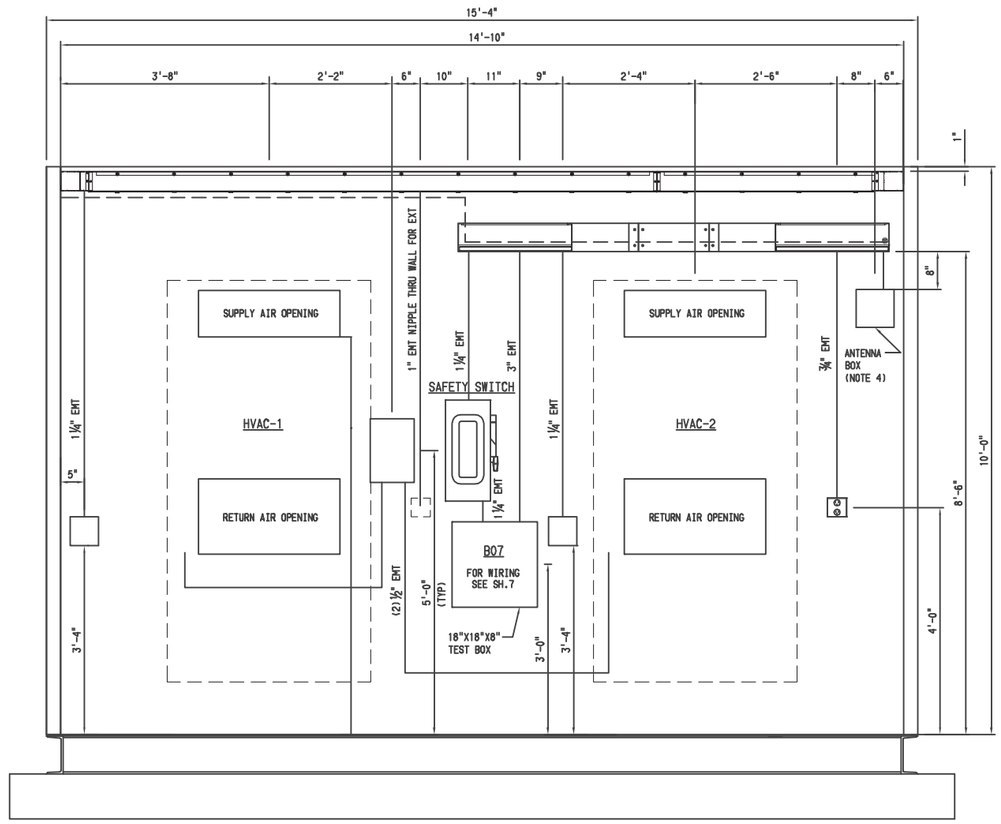
ECS

FILE NAME: ECS710004SH4.DWG

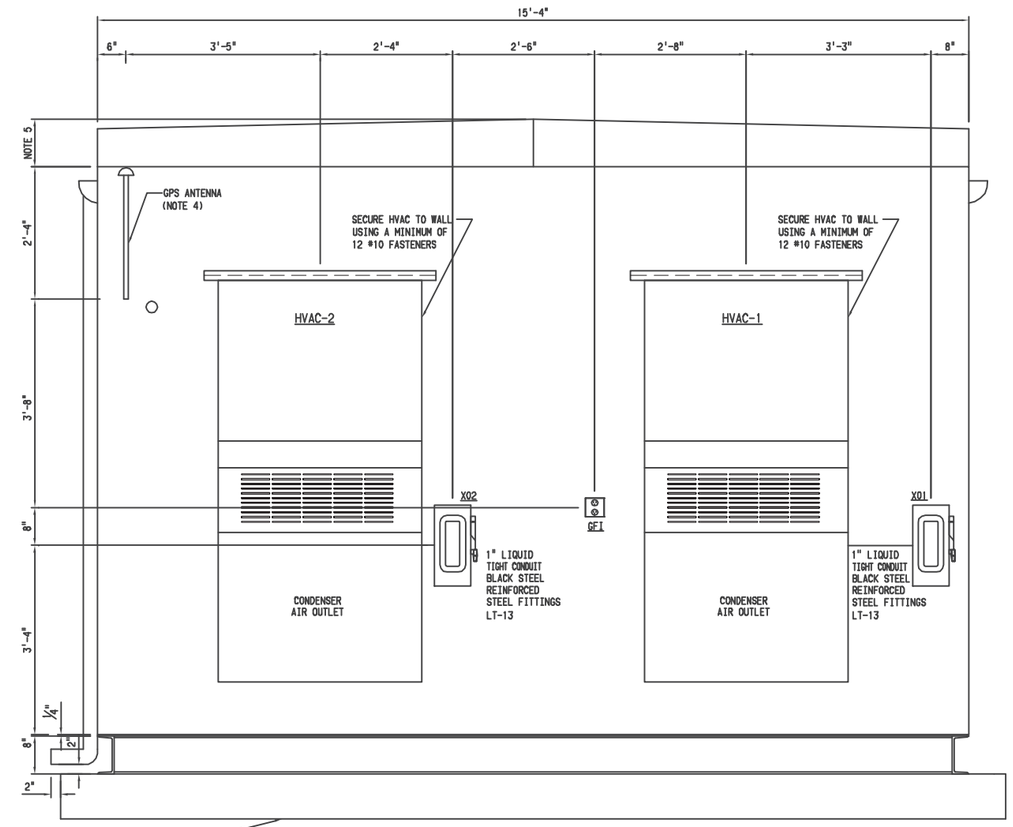
SHEET 4 OF 11
REV. 2

71-00-04

11-21-14
ARREDONDO



ELEVATION G
D-WALL INTERIOR ELEVATION SH.1



ELEVATION H
D-WALL EXTERIOR ELEVATION SH.1

NOTES:
1. SEE BUILDING BILL OF MATERIAL & DESIGN CRITERIA.
2. TO BE MOUNTED ON CONCRETE SLAB.
3. EMT CONDUIT TO BE USED FOR INTERIOR ONLY.
4. SEE DETAIL 4 ON SHEET 11 FOR ANTENNA INSTALLATION.
5. TO BE SPECIFIED BY SCE.

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

REFERENCE DRAWINGS	NO.	REVISIONS	DATE	SAP NO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.
ECS 71-00-04 SH.S1 & S2 MEER FOUNDATION										
ECS 71-00-04 SH. INTERFACE CABINET										
ECS 71-00-04 SH. CABLE TRAY										
ECS 71-00-04 SH.2,SH.3,&SH.4 MEER A,B,&C-WALL										
ECS 71-00-04 SH.1 MEER EQUIPMENT PLAN										
SPECIFICATION SSS8										

NO.	REVISIONS	DATE	SAP NO	SUPV	APPROVED	ENGR	CK'D	MADE	P.E.
1	GENERAL STANDARD REVISION	8-28-15		JCM	DG	VM	PELA	PELA	
0	INITIAL ISSUE-NEW ELEVATION VIEW. MOVED SH.5 TO SH.7	8-29-14		JCM	DG	VM	RA	RA	

ELECTRICAL CONSTRUCTION STATION
— SCE INTERNAL —

DROP IN MEER
D-WALL INTERIOR AND EXTERIOR ELEVATION

SCALE: 1"=1'-0"

ECS

FILE NAME: ECS710004SH5.DWG

SHEET 5 OF 11
REV. 1

71-00-04

04-21-14
WTCER

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 05a:

Regarding the proposed MEER:

a. Please provide a cross-section or an explanation indicating whether the roofline is proposed to be peaked or flat.

Response to Question 05a:

The MEER will have a flat roofline. Please see the attached MEER cross-section file.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 05b:

Regarding the proposed MEER:

b. Please provide additional information about the air conditioning units. How many are proposed? Which type? If the type is unknown, please indicate a maximum reasonable sound level associated with operation of the units. Please indicate the anticipated timing and during of their anticipated use.

Response to Question 05b:

The MEER would be equipped with two (2) Bard HVAC units. Please see the attachment for sound level associated with operation of the units. The anticipated timing will be based on maintaining the 76 degrees Fahrenheit temperature inside the MEER.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 06a:

Regarding the proposed restroom facilities:

a. Please confirm whether the exterior coloring would be consistent with the MEER, i.e., light tan roof and walls with brown/bronze roofline, wall joints, and doorway.

Response to Question 06a:

Yes, the exterior color of the restroom facilities will be consistent with the MEER.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 06b:

Regarding the proposed restroom facilities:

b. Trenching for the sewer line would extend from the restroom structure to a point along Leeson Lane. Please estimate the run in terms of length, width, and depth.

Response to Question 06b:

The length of the sewer line will be approximately 1,000 feet, and the depth and width of the excavation will be determined during final engineering. The sewer pipe will have a minimum cover per City standards and can reach up to approximately 10' in depth. The width of the trench will depend upon construction Methods, but may be 5' with shoring or using a 2:1 backslope.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 06c:

Regarding the proposed restroom facilities:

a. Trenching for the water line also would extend from the restroom structure to a point along Leeson Lane. Please estimate the run in terms of length, width, and depth.

Response to Question 06c:

The length of the water line will be approximately 1,000 feet. The depth and width of the excavation will be determined during final engineering. The water pipe will have a minimum cover per City Standards. The width of the trench will be dependent upon construction methods, but maybe 3' with shoring or using a 2:1 backslope.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 07a:

Regarding substation access:

a. PEA Section 3.5.1.9 indicates electrical power to supply/service the substation is located within Leeson Lane. Would this also be the source of power for the gates? Please provide details.

Response to Question 07a:

The primary gate for the substation will be a motorized gate that will be powered by the substation light and power panel.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 07b:

Regarding substation access:

b. In addition to the substation entry gate, an approximately 4-foot-wide walk-in gate is proposed. Will this point of access be secured in any way, e.g., with a padlock, key, or keycard?

Response to Question 07b:

The 4-foot-wide walk-in gate will be secured by a padlock.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Kashif Siddiqi
Title: Project Engineer
Dated: 05/09/2016

Question 08:

Regarding the substation perimeter, please describe the material, color, or pattern of the exterior surface of the proposed wall.

Response to Question 08:

The substation perimeter wall will be a concrete mercenary unit (CMU) block wall with a light tan color.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Jason Arias
Title: Planner
Dated: 05/09/2016

Question 09:

The fifth sentence of the second paragraph of PEA Section 3.1.3.2 indicates that 420 feet of the existing Archibald-Chino-Corona 66 kV Substation Line would be converted to underground to accommodate the proposed subtransmission line crossing. Based on SCE's stripmaps dated 2/1/2016, it appears existing poles 4787858E and 4389712E would not be removed, indicating that pole 4787858E would be used to support the proposed Mira Loma-Jefferson and Mira Loma Corona No. 2 lines, and pole 4389712E would serve to transition the Archibald-Chino-Corona 66 kV Substation Line from underground to overhead, as well as the proposed Mira Loma-Jefferson 66 kV Subtransmission Line or the Mira Loma-Corona No. 2 Subtransmission Line (currently referred to as the Mira Loma-Corona-Jefferson line). If this is the case, it seems like pole 4389712E would need to be replaced with a pole engineered to transition from underground to overhead, similar to the proposed new pole 106, which presumably transitions the overhead Archibald-Chino-Corona 66 kV Substation Line to underground. Please clarify.

Response to Question 09:

Pole 4787858E will not be removed; it will support the proposed Mira Loma-Jefferson and Mira Loma Corona No. 2. By adding risers to the existing pole 4389712E, it will serve to transition the Archibald-Chino-Corona 66kV subtransmission line from underground to overhead. Pole 4389712E is an existing light weight steel (LWS) pole and can be reconfigured to accommodate riser banks without having to be replaced. Pole 106 is an existing tubular steel pole (TSP) and its foundation will not accommodate the required riser bank and therefore need to be replaced with a TSP that could accommodate the transition of the Archibald-Chino-Corona 66 kV Subtransmission Line from overhead to underground.

Southern California Edison
Circle City and Mira Loma-Jefferson PTC A.15-12-007

DATA REQUEST SET A1512007 ED-SCE-02

To: ENERGY DIVISION
Prepared by: Jason Arias
Title: Planner
Dated: 05/09/2016

Question 10:

The seventh sentence of the second paragraph of PEA Section 3.1.3.2 indicates that from the intersection of Chino Corona Road and Hellman Avenue, the route would continue south along the east side of Hellman Avenue to River Road. However, the existing Mira Loma-Corona-Jefferson subtransmission line to be replaced by the Project is on the west side of Hellman along this road segment. Please confirm if the proposed new poles would be on the west or east side of Hellman Avenue in this area.

Response to Question 10:

From the intersection of Chino Corona Road and Hellman Avenue, the route continues south along the west side of Hellman Avenue to River Road. The existing Mira Loma-Corona-Jefferson subtransmission line to be replaced by the Project is on the west side of Hellman along this road segment and the proposed new poles would be set along the west side of Hellman Avenue in this area.