



Evanston Ecology Center Renovation

BID # 23-55

ADDENDUM No. 04

January 17, 2024

A1ny and all changes to the Contract Document are valid only if they are included by written addendum to all potential respondents, which will be mailed, emailed and/or faxed prior to the proposal due date to all who are known to have received a complete bid document. Each respondent must acknowledge receipt of any addenda by indicating on the Bid Form. Each respondent, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid proposal therein. Failure to acknowledge receipt of any addenda may cause the proposal to be rejected. If any language or figures contained in this addendum are in conflict with the original document, this addendum shall prevail.

This addendum consists of the following:

1. Addendum Number Four (4) is attached and consists of a total of twenty-two (22) pages including this cover sheet.

Please feel free to call (847-866-2971) or email (johngonzalez@cityofevanston.org) with any questions or comments.

Sincerely,

John Gonzalez
Purchasing Specialist



Evanston Ecology Center Renovation

BID # 23-55

ADDENDUM No. 04

January 17, 2024

This addendum forms a part of the Bid documents for Bid # 23-55 and modifies these documents. This addendum consists of the following:

- Submitted RFIs have been compiled and answered as a part of this addendum.
- Where required, supplemental drawings have been provided.

Responses to Bidders' Questions:

1. **Question:** Is there any additional information that can be provided about the Fiber Optics Cable?

Response: Please see revised drawing A102 Reflected Ceiling Plan. The data traveling the Fiber Optics Cable is sensitive in nature. The contractor will be responsible for **one thousand, five hundred dollars (\$1,500) per hour in liquidated damages** for any disruption in this data link. Temporary disruption of the data link is not an option. The contractor will be responsible for protecting the cable and the splicing device. The City will entertain moving the cable and the splicing device within the limits of the excess wire and within the same room. The contractor is not permitted to perform this work, but must coordinate with City staff to perform.

2. **Question:** Will the electrical subcontractor be required to employ Evanston residents for 15% of the electrical subcontract labor hours?

Response: 15% of the labor for the entire project must be performed by Evanston residents. The prime contractor is responsible for determining how this requirement is met. The resident can perform any of trade work available for the project.

3. **Question:** Is there a penalty for not meeting the 15% Evanston resident labor goal?

Response: Yes, there is a fine for not complying with the Local Employment Program. Please review Exhibit F for a description of the penalties.

4. **Question:** Will the contractor be required to remove and dispose of the furniture currently in the building?

Response: Yes, the contractor will be responsible for removing and disposing of the furniture remaining in the building, and this material must be handled in compliance with the LEED standards.

5. **Question:** How many layers of flooring are currently on the floor in the corridor and multi-purpose room which would need to be removed as a part of alternate 01?

Response: There are several layers of flooring in this area of the building, vinyl tile, luon cover, 3/4" bamboo flooring, 3/4" subfloor

6. **Question:** In the multi-purpose room, will the floor level be required to be returned to the existing floor level?

Response: Yes

7. **Question:** Are there any days that work will not be able to occur due to events?

Response: Yes, no work will be allowed on the following days due to outdoor events in the neighboring park:

- i. Saturday, March 30
- ii. Friday, April 19 after 12:00 P.M. – Groundbreaking Ceremony
- iii. Saturday, July 13
- iv. Saturday, September 28
- v. Saturday, October 19
- vi. Saturday, October 26

8. **Question:** Can you provide clarification on the specific scope of work surrounding the crawl spaces and flooring replacement scopes. It appears there are call outs that indicate Alternate work in the multipurpose room. However, this alternate would encompass floor demolition and replacement. Any further specifics of the crawl space and flooring replacement plan, particularly regarding the reuse of floor joists and the handling of columns in terms of excavation, extension, and replacement as per Figure 1 from S-102?

Response: Alternate crawl space work in the multipurpose room would match A501/1. Structural questions addressed by question 15.

9. **Question:** Alternates: Could you clarify the scope and implementation details of the alternates mentioned in S-102, S-501, and A-001, particularly regarding the plywood floor sheathing, beam installation pocket, and landscape restoration with native species?

Response: The wood joist alternate is simply to provide for another size wood joist that works structurally to allow for some flexibility depending on availability and price. Either wood joist size provided works structurally. The plywood floor alternate at the multi-purpose room was indicated per client direction. There are no alternates indicated on S-501.

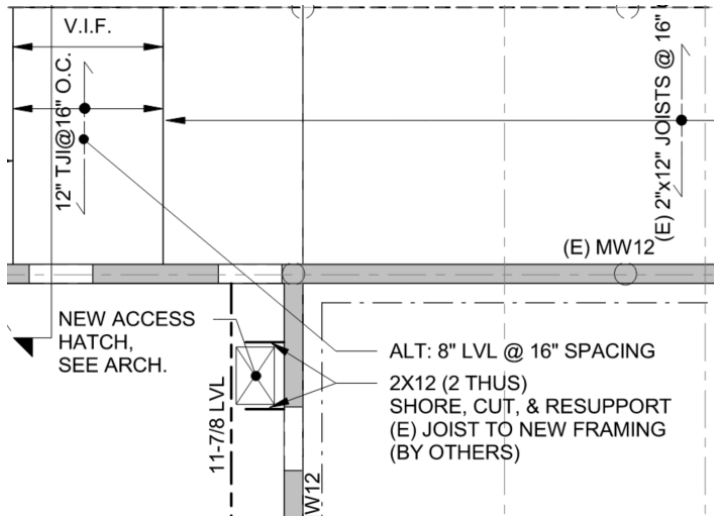


Figure 1 S-102

10. **Question:** Plan conflict between Demolition and RCP: The conflicting instructions between AD-102 (Figure 2) and A-121 (Figure 3) concerning the treatment of existing interior lighting fixtures and the installation versus repair of gypsum ceilings? Can you provide clarification on the conflicting notes in A-121 regarding the installation of a new gypsum ceiling versus the repair and patching of the existing ceiling, especially in areas specified by note A1-23 where ACT is being removed?

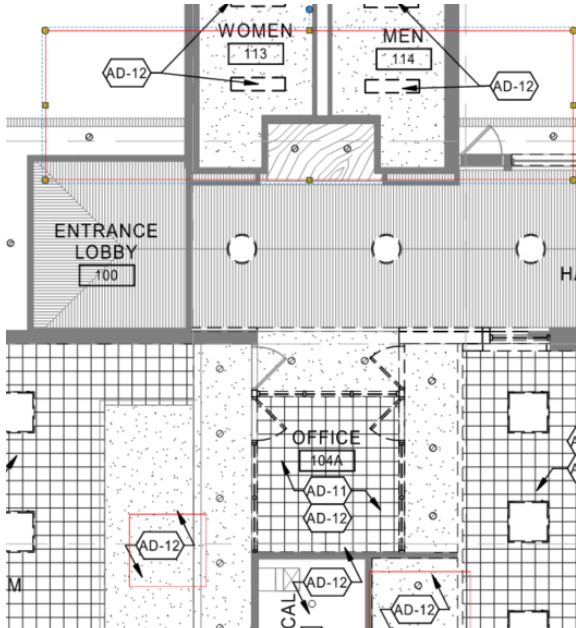


Figure 3 AD-102

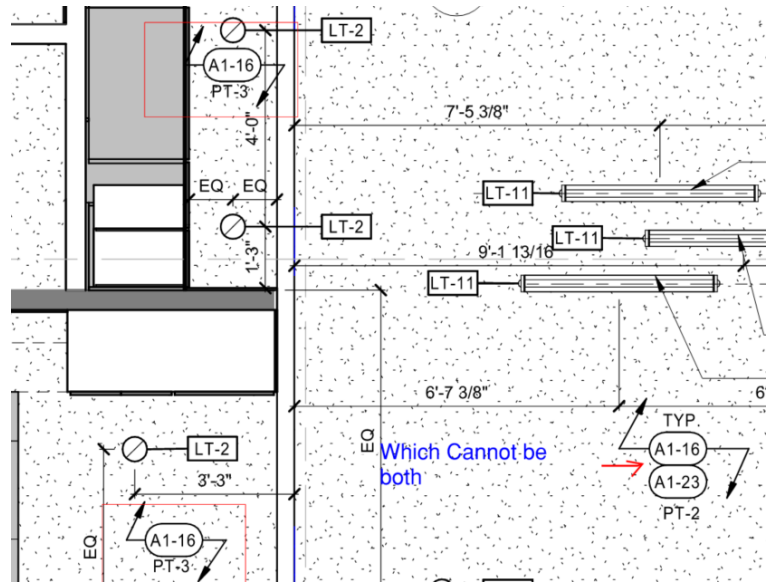


Figure 2 A-121

Response: Keynote AD-12 refers to existing interior light fixtures, and is not related to the demolition or installation of new ceilings. In the classroom and office, the identified ceiling tile is surface applied to a gyp. ceiling. These tiles are to be removed and a new layer of gyp. is to be laminated to the existing one and painted per the finish schedule and RCP.

11. **Question:** Overhead and Profit Application on Allowances: Could you provide detailed guidelines on how overhead and profit should be applied to allowance amounts?

Response: Overhead and profit for allowances is to be excluded from the lump sum bid. This will be paid from within the allowance.

12. **Question:** Specialty Wood Procurement and Installation: Could you specify whether the procurement and installation of the specialty wood donated to the city will be managed by a preselected vendor or if we are only responsible for supervising their work?

Response: The prime contractor will be responsible for managing the pre-selected vendor as a sub-contractor.

13. **Question:** Custom Map Signage: Custom Map signage was mentioned in the meeting, we were curious if there was any additional information you could share regarding that sign and its vendor and installation arrangements at this time.

Response: The custom map signage is to be included within Allowance number 5 – Signage.

14. **Question:** Alternate Bid locations: We were hoping you could clarify where we should capture the additional Alternate work called out in the plans.

Response: Please provide the price for the alternate on the 5th page of Exhibit A – Bid From next to the line “ALTERNATE 1 AMOUNT:)”

15. **Question:** Ambiguity in Column and Joist Work Post-Slab Pour: Can you clarify the expected approach for handling columns and joists post-slab pour, especially regarding the potential salvaging of floor joists as depicted in the drawings? Further please see below photo of crawlspace. Some existing Columns appear to require replacement due to rot or splitting.

Response: The wood posts in the photo are at the location where we are replacing the joists and are just temporary shoring that should not be required following the replacement of the joists. In general, all joists in good condition are to remain in place and the work below is to be completed around these joists. Even if some need to be removed, based on the existing drawings, they should be able to be removed and reinstalled relatively simply. A



minimum quantity of joists will be required to remain in place to ensure the walls are adequately braced. The steel beams running across the building, along with the piers that support them, should remain in place.

16. **Question:** Crawlspace Conditions: Can you provide environmental testing results for the crawlspace currently containing what appears to be comingled loose fill and some construction debris? Unfortunately, it's all too common for construction debris to be improperly disposed of, raising concerns about the potential presence of hazardous materials such as lead paint or asbestos. For buildings constructed or renovated before 1978 particularly.

Response: There are no environmental testing results to share at this time. For the purpose of this bid, all material must be disposed at a subtitle D landfill. The City of Evanston will be responsible for any testing and disposal of hazardous materials outside of this contract.

17. **Question:** Accessories and specialty items: When the question was posed about construction and occupancy, I noted that it would be unoccupied during the pre-bid meeting. For clarity does that include the reptiles and other wildlife?

Response: All resident animals will be moved off-site for the duration of construction.

18. **Question:** We noted some items like a New bulletin Board and Graphic called out on A403. Whose responsibility are those items?

Response: GC to provide the new bulletin board. The Graphic is accounted for in the signage allowance.

19. **Question:** Would it be possible to request a further breakdown of what scope of work items were to be attributed to the respective allowances and what was to be Base Bid items more in length?

Response:

- a. Allowance No. 01 – General - See Exhibit A Bid Form
 - b. Allowance No. 02 – Front Desk Special Carpentry – See Keynote A1-33 on A401, A552 and W-1 on A405. The wood wall shelving, and the special wood carpentry on the reception desk is to be prepared and installed by a pre-selected vendor.
 - c. Allowance No. 03 – Prairie Restoration – Landscape restoration/revegetation with native species and added alternate area of landscape indicated on A001 Site Plan is to be included within this allowance. Soil disturbance from construction is excluded from this allowance and should be included in the base bid.
 - d. Allowance No. 04 – Furniture & Equipment – The furniture and equipment indicated on sheet FFE401 is to be paid for with this allowance.
 - e. Allowance No. 05 – Signage – The map sign graphic indicated on A301 with keynote A1-27 is to be design build with pre-selected sign designer. Prime contractor will be responsible for managing and coordinating this work.
20. **Question:** Section SECTION 012100 (ALLOWANCES) , 1.6 B indicates that “Unless otherwise indicated, Contractor's costs for receiving and handling at Project site, labor,

installation, overhead and profit, and similar costs related to products and materials ordered by Owner or selected by Architect under allowance shall be included as part of the Contract Sum and not part of the allowance". On the contrary Section SECTION 012100 (ALLOWANCES), 3.6 A,B,C,D and E indicates that "allowance includes material, receiving, handling, and installation costs, and Contractor overhead and profit." Please confirm whether the overhead and profit are to be considered part of contract sum or part of the allowance. Please confirm whether cost of bond for allowances should be part of contract sum or part of the allowance.

Response: Overhead and allowance will be dealt with within the allowance sum as stated in SECTION 012100 3.6. The contractor's bond is to include the allowance. The payment and performance bonds will be 100% of the contract amount. The contract amount will include all of the allowances and may or may not include the alternate depending on owner's selection of said alternate.

21. **Question:** The bid has a goal of awarding 25% of contracts to Minority-Owned, Women-Owned, Disadvantaged Enterprise and Evanston-based businesses (M/W/D/EBEs). Please confirm whether contractor is required to meet this goal with the contract sum amount less allowance or with the allowances.

Response: This is a goal and the contractor is encouraged to meet this goal. The percentage goal will be calculated including the allowances and the alternate.

22. **Question:** The hardware specs. are not on the current set, can we confirm what the specs. will be?

Response: Door hardware per A651 Sheet Note and Specification Section 087100 – Door Hardware

23. **Question:** What is the jamb depth – Door 105 and Door 104B.

Response: Jamb depth per A651/6 and A651/7

24. **Question:** For Door104B – what is the glass type and thickness?

Response: A.C. Provide Fire Rated Glazing Super Clear 45-HS-LI

25. **Question:** What is the size of the TV? The current sizes listed on the drawings do not match sizes we have found currently. If sizing is correct can a model number be supplied to ensure the proper TV is included? What color will be required for this TV?

Response: 55" TV, QN55LS03BAFXZA

26. **Question:** The print calls for the refrigerator to receive a cover to match Case Work. The case work around the fridge calls for CL-1 (Color: Spruce Velvet) is this correct?

Response: Yes, CL-1

27. **Question:** After getting into the crawl space there is minimal room for movement or work. The classroom does not call for the floor and subfloor to be demolished, in order to clear that section, it would be ideal to remove the flooring and subflooring in order to have better access to the area. Can the flooring and subfloor be demolished within the classroom? The mechanical room shares the same problem but being a smaller space, it might be able to be worked through.

Response: Flooring and subfloor to be demolished and replaced throughout all areas indicated on AD101. This includes the classroom.

28. **Question:** Can we have an image of the fiber cable that will remain undisturbed? And a rough route of this cable through the space?

Response: PDF of rough route attached. Photos below.



Figure 5 Fiber Optic Cable and Splice

29. **Question:** The bid has a goal of awarding 25% of contracts to (M/W/D/EBEs) + 15% Evanston resident. Please confirm whether contractor is required to meet these goals with the contract sum amount only or it should be based on contract sum less allowance or with the allowances.

Response: The goal of awarding 25% of contracts to M/W/D/EB Enterprises is a goal. The bidders are encouraged to attempt to meet this goal and are not required. The Local Employment Program requires 15% of total labor on site to be performed by residents of Evanston. This is a requirement of there is a fine for non-compliance.

30. **Question:** Drawing E100 indicates two (2) EV Charging Stations. We do not see a specification for the charging stations. Who is providing the charging stations? If the charging stations are to be provided by the electrical subcontractor can a specification be provided?

Response: ChargePoint CP6000 Series (1) single port charger and (1) dual port charger

31. **Question:** Will you issue an updated lighting schedule, the one on E102 isn't legible, and there aren't designations on each fixture.

Response: Refer to Sheet A121

32. **Question:** Is the owner or GC supplying the furniture/fixtures on the furniture schedule?

Response: GC will provide in accordance with furniture allowance unless noted otherwise on schedule.

33. **Question:** What type of subfloor would you like installed?

Response: Areas of new subfloor to match existing. Two (2) layers of $\frac{3}{4}$ " plywood separated by a 1x2" sleeper.

34. **Question:** Are fire alarms needed in this project?

Response: Refer to note 1 on sheet E101. The building is already equipped with existing fire alarm system and existing devices need to be relocated based on construction requirement.

35. **Question:** Do the private offices need fire alarms?

Response: No additional device is required.

36. **Question:** Who is furnishing the toilet paper holder?

Response: Owner will furnish toilet paper holder.

37. **Question:** Where are pages A555 & A556? (According to keynote #A-2 on page A401)

Response: Refer to sheets A551, A552, A553, A554 for millwork details.

38. **Question:** Who is the manufacturer of the phenolic resin panels that would be used for cabinets and drawer boxes?

Response: WilsonArt compact laminate panels.

39. **Question:** We're not seeing a humidifier brand or type specified on the drawings or in the spec. Please let us know what the city wants for the 2 units that require humidification.

Response: Provide bypass type humidifier. Provide with unit by A/C unit manufacturer as indicated in Note 5. Aprilaire or General Aire are also acceptable manufacturers.

40. **Question:** Please explain the expected procedure for removing the crawl space soils and installing the Insulation, stone, drain tile and vapor barrier?

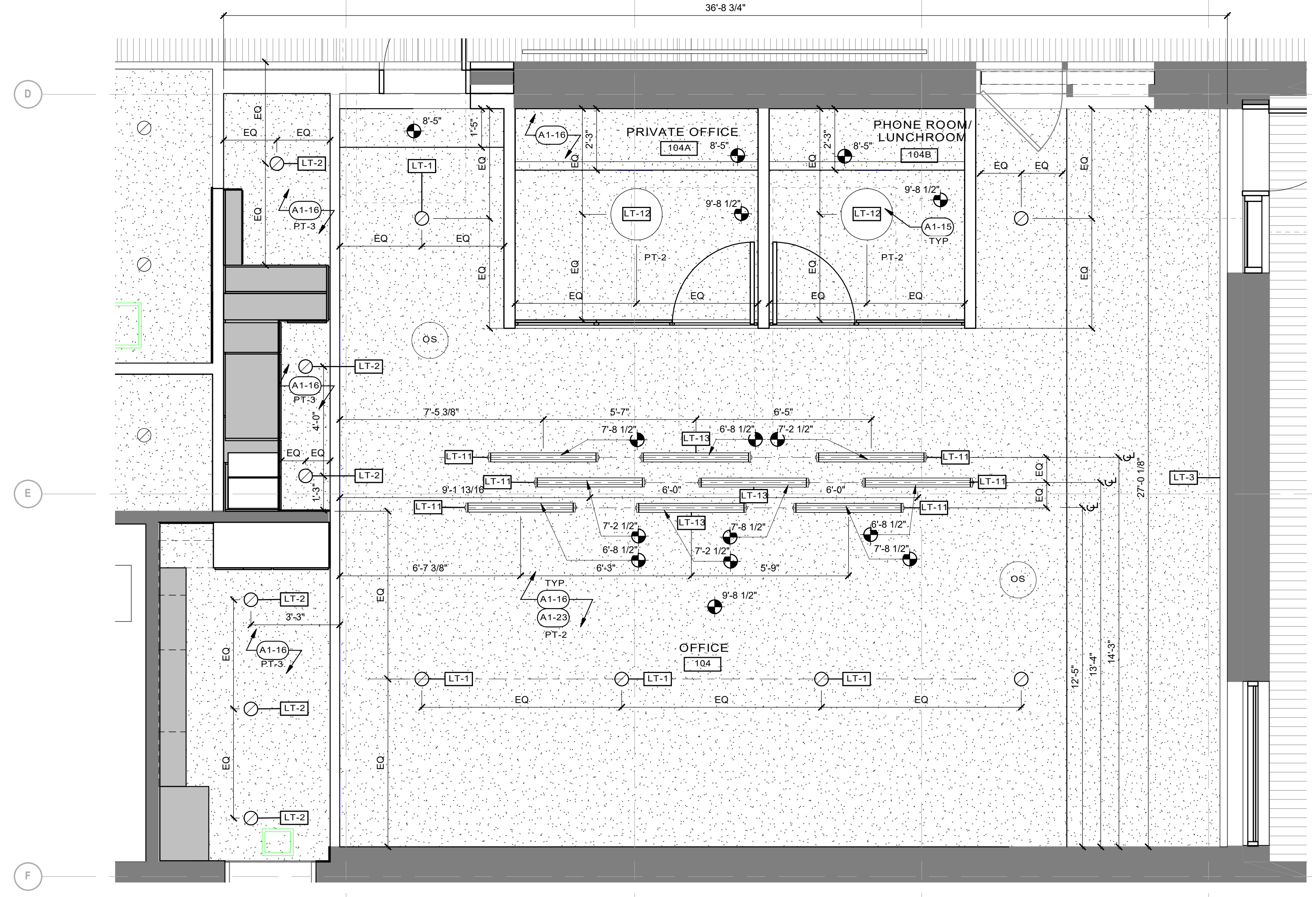
Response: The procedure fore removing the crawl space soils will be determined by the contractor and is considered means and methods.

Attachments:

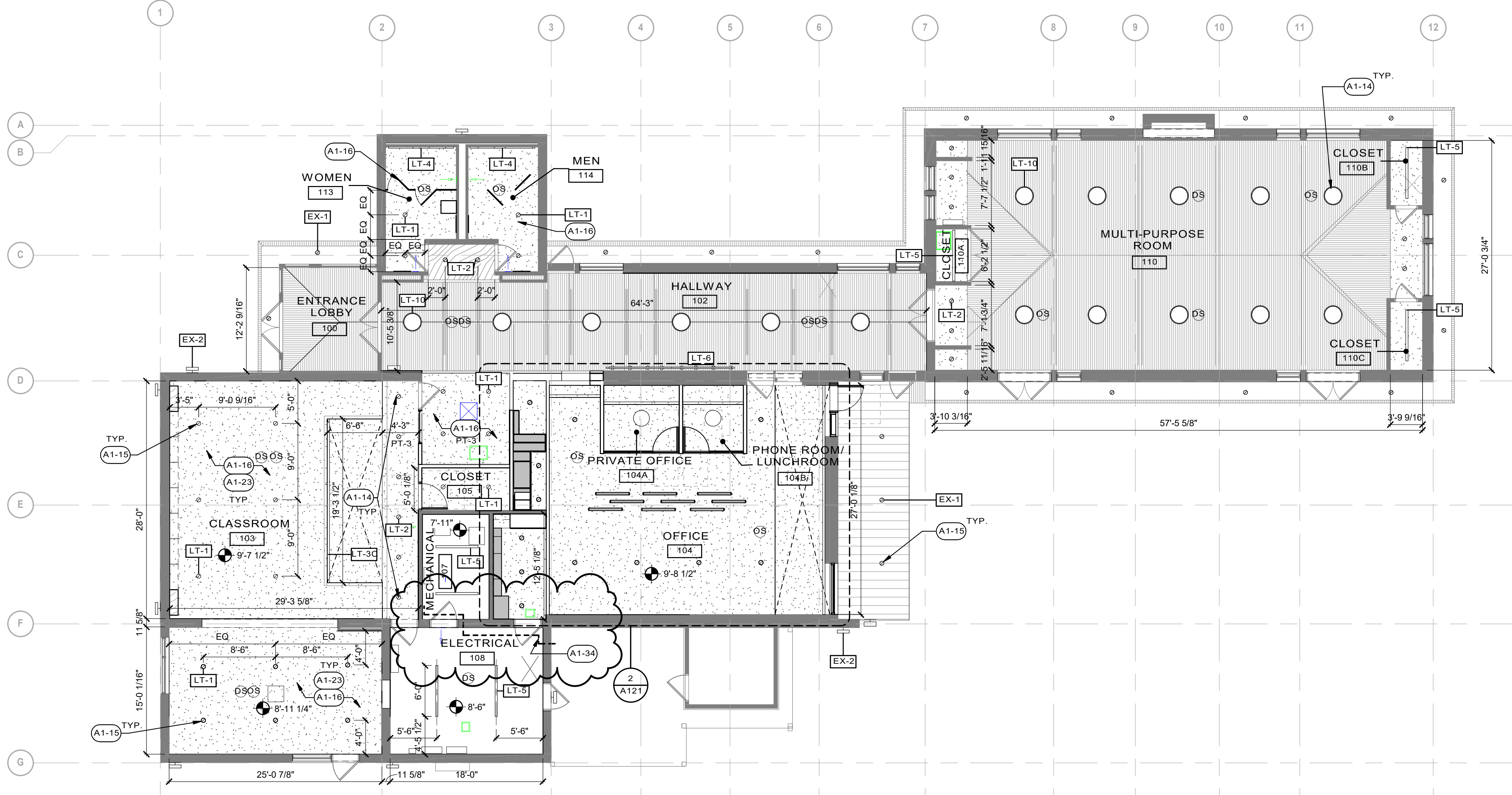
1. A121 Reflected Ceiling Plan (1 page)
2. ChargePoint EV charging station Series CP6000 sales sheet (11 pages)

Note: Acknowledgment of this Addendum is required in the Bid.

| SYM | DESCRIPTION | QUANTITY | UNIT | WARRANTY | DATE | LOCATION |
|------|---------------------------|----------|------|----------|------|----------|
| L11 | 4" RECESSED LED DOWNLIGHT | 13 | EA | 5 YR | 1% | MAINT |
| L12 | 4" RECESSED LED DOWNLIGHT | 14 | EA | 5 YR | 1% | MAINT |
| L13 | 2" RECESSED LED DOWNLIGHT | 14 | EA | 5 YR | 1% | MAINT |
| L14 | 2" RECESSED LED DOWNLIGHT | 14 | EA | 5 YR | 1% | MAINT |
| L15 | 2" RECESSED LED DOWNLIGHT | 14 | EA | 5 YR | 1% | MAINT |
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| L100 | 2" RECESSED LED DOWNLIGHT | 14 | EA | 5 YR | 1% | MAINT |



2 REFLECTED CEILING PLAN - ENLARGED OFFICE
3/8" = 1'-0"



1 REFLECTED CEILING PLAN - LEVEL 1
1/8" = 1'-0"

KEY NOTES

A1-14 RETROFIT EXISTING LIGHTING FIXTURES WITH LED BULBS.
A1-15 INSTALL NEW LIGHTING FIXTURE. REFER TO ELECTRICAL DRAWINGS.
A1-16 INSTALL NEW GYP. CEILING. REFER TO INTERIOR SCHEDULE.
A1-23 REPAIR AND PATCH GYP. CEILING. LAMINATE NEW LAYER OF GYP TO EXISTING AND PAINT. REFER TO FINISH SCHEDULE.
A1-34 APPROXIMATE LOCATION OF EXISTING FIBER OPTIC CABLE. V.I.F. CONTRACTOR TO LOCATE.

CEILING SHEET NOTES

A. SEE G-SERIES SHEETS FOR TYPICAL ABBREVIATIONS, PROJECT GENERAL NOTES, LIFE-SAFETY AND ACCESSIBILITY REQUIREMENTS.
B. SEE FFE-SERIES SHEETS FOR INTERIOR FINISH, FURNITURE, AND EQUIPMENT INFORMATION.
C. ALL DIMENSIONS ARE TO F/O FRAMING, F/O CONCRETE, OR F/O INSULATION U.N.O. (FINISH DIMENSIONS ARE SHOWN AS "FIN").

HPZS
314 W INSTITUTE PLACE, SUITE 1E
CHICAGO, ILLINOIS 60601

PROJECT
EVANSTON ECOLOGY CENTER

EVANSTON ECOLOGY CENTER RENOVATION - BID 23-55

2024 N MCCORMICK BLVD
EVANSTON, IL 60201

PROJECT NUMBER: 2215-01
PERMIT NUMBER: 0000

OWNER:
EVANSTON ECOLOGY CENTER
2024 N MCCORMICK BLVD
EVANSTON, IL 60201
PHONE: (847) 448-8256

ARCHITECT OF RECORD:
HPZS
314 W INSTITUTE PLACE, SUITE 1E
CHICAGO, IL 60601
PHONE: (312) 844-9800

STRUCTURAL ENGINEER:
ROBERT SILMAN ASSOCIATES
220 S WACKER DR, SUITE 1400
CHICAGO, IL 60606
PHONE: (312) 682-6300

MEP/FP ENGINEER:
C. G. J.M.
303 E WACKER DR, #303
CHICAGO, IL 60601
PHONE: (312) 688-0809

COST ESTIMATOR:
BULLY & ANDREWS
1755 W ARMITAGE AVE
CHICAGO, IL 60622
PHONE: (773) 235-2433

ALL DIMENSIONS MUST BE VERIFIED BY CONTRACTOR AND THE ARCHITECT NOTIFIED OF ANY DISCREPANCIES BEFORE PROCEEDING WITH THE WORK. DO NOT SCALE DRAWINGS.



PROFESSIONAL SEAL

| REV | ISSUED FOR | DATE |
|-----|------------------|------------|
| | 100% SD ISSUANCE | 2023.08.04 |
| | 50% SD ISSUANCE | 2023.08.25 |
| | 100% CD ISSUANCE | 2023.09.08 |
| | 50% CD ISSUANCE | 2023.09.29 |
| | IFB/FP ISSUANCE | 2023.12.21 |
| | ADDENDUM 01 | 2024.01.17 |

REFLECTED CEILING LEGEND

| | |
|--|----------------------------------|
| | ACT CEILING @ 8'-0" AFF. UON |
| | DRYWALL CEILING @ 8'-0" AFF. UON |
| | WOOD CEILING @ 8'-0" AFF. UON |

ISSUE DATE: 2023.12.21
ISSUED FOR: IFB/FP

SHEET ID
A121

REFLECTED CEILING PLAN

ChargePoint® AC Commercial Station

Specifications and Ordering Information



Dual port, pedestal mount, 18 ft cable

CP6000 AC Commercial Station Specifications

Ordering Information

The order codes below represent specific product configurations. Please contact ChargePoint Sales for additional information. Specify model number followed by the applicable code(s).

The order code sequence is Model-Options. Software, Services and Other are ordered as separate line items.

Please note that charging stations without EMV-CHIP readers in California may not be publicly visible or discoverable on the ChargePoint map. Please see below for applicable dates.

- Level 2 (AC) stations without EMV-Chip readers: installed/activated on/after July 1, 2023.
- Direct Current Fast Charging (DCFC) stations without EMV-Chip readers: installed/activated on/after January 1, 2022.

(Reference: 13 CCR § 2360.2. Payment Method Requirements for Electric Vehicle Supply Equipment)

Hardware

| Description | Order Code |
|---|-----------------------|
| 80A Dual port, pedestal mount, 18 ft cable | CP6021B-80A-L5.5 |
| 80A Single port, pedestal mount, 18 ft cable | CP6011B-80A-L5.5 |
| 80A Dual port, pedestal mount, 18 ft cable, EMV chip reader | CP6021B-80A-L5.5-CHIP |
| 80A Single port, pedestal mount, 18 ft cable, EMV chip reader | CP6011B-80A-L5.5-CHIP |
| 50A Dual port, pedestal mount, 18 ft cable | CP6021B-50A-L5.5 |
| 50A Single port, pedestal mount, 18 ft cable | CP6011B-50A-L5.5 |
| 50A Dual port, pedestal mount, 18 ft cable, EMV chip reader | CP6021B-50A-L5.5-CHIP |
| 50A Single port, pedestal mount, 18 ft cable, EMV chip reader | CP6011B-50A-L5.5-CHIP |
| 80A Dual port, wall mount, 18 ft cable | CP6023B-80A-L5.5 |
| 80A Single port, wall mount, 18 ft cable | CP6013B-80A-L5.5 |
| 80A Dual port, wall mount, 18 ft cable, EMV chip reader | CP6023B-80A-L5.5-CHIP |
| 80A Single port, wall mount, 18 ft cable, EMV chip reader | CP6013B-80A-L5.5-CHIP |
| 50A Dual port, wall mount, 18 ft cable | CP6023B-50A-L5.5 |
| 50A Single port, wall mount, 18 ft cable | CP6013B-50A-L5.5 |
| 50A Dual port, wall mount, 18 ft cable, EMV chip reader | CP6023B-50A-L5.5-CHIP |
| 50A Single port, wall mount, 18 ft cable, EMV chip reader | CP6013B-50A-L5.5-CHIP |
| 80A Dual port, pedestal mount, 23 ft cable | CP6021B-80A-L7 |
| 80A Single port, pedestal mount, 23 ft cable | CP6011B-80A-L7 |

CP6000 AC Commercial Station Specifications

| | | |
|-------|---|---------------------|
| | 80A Dual port, pedestal mount, 23 ft cable, EMV chip reader | CP6021B-80A-L7-CHIP |
| | 80A Single port, pedestal mount, 23 ft cable, EMV chip reader | CP6011B-80A-L7-CHIP |
| | 50A Dual port, pedestal mount, 23 ft cable | CP6021B-50A-L7 |
| | 50A Single port, pedestal mount, 23 ft cable | CP6011B-50A-L7 |
| | 50A Dual port, pedestal mount, 23 ft cable, EMV chip reader | CP6021B-50A-L7-CHIP |
| | 50A Single port, pedestal mount, 23 ft cable, EMV chip reader | CP6011B-50A-L7-CHIP |
| | 80A Dual port, wall mount, 23 ft cable | CP6023B-80A-L7 |
| | 80A Single port, wall mount, 23 ft cable | CP6013B-80A-L7 |
| | 80A Dual port, wall mount, 23 ft cable, EMV chip reader | CP6023B-80A-L7-CHIP |
| | 80A Single port, wall mount, 23 ft cable, EMV chip reader | CP6013B-80A-L7-CHIP |
| | 50A Dual port, wall mount, 23 ft cable | CP6023B-50A-L7 |
| | 50A Single port, wall mount, 23 ft cable | CP6013B-50A-L7 |
| | 50A Dual port, wall mount, 23 ft cable, EMV chip reader | CP6023B-50A-L7-CHIP |
| | 50A Single port, wall mount, 23 ft cable, EMV chip reader | CP6013B-50A-L7-CHIP |
| Other | Bollard Concrete Mounting Kit | CP6K-CMT-NA |

Software and Services

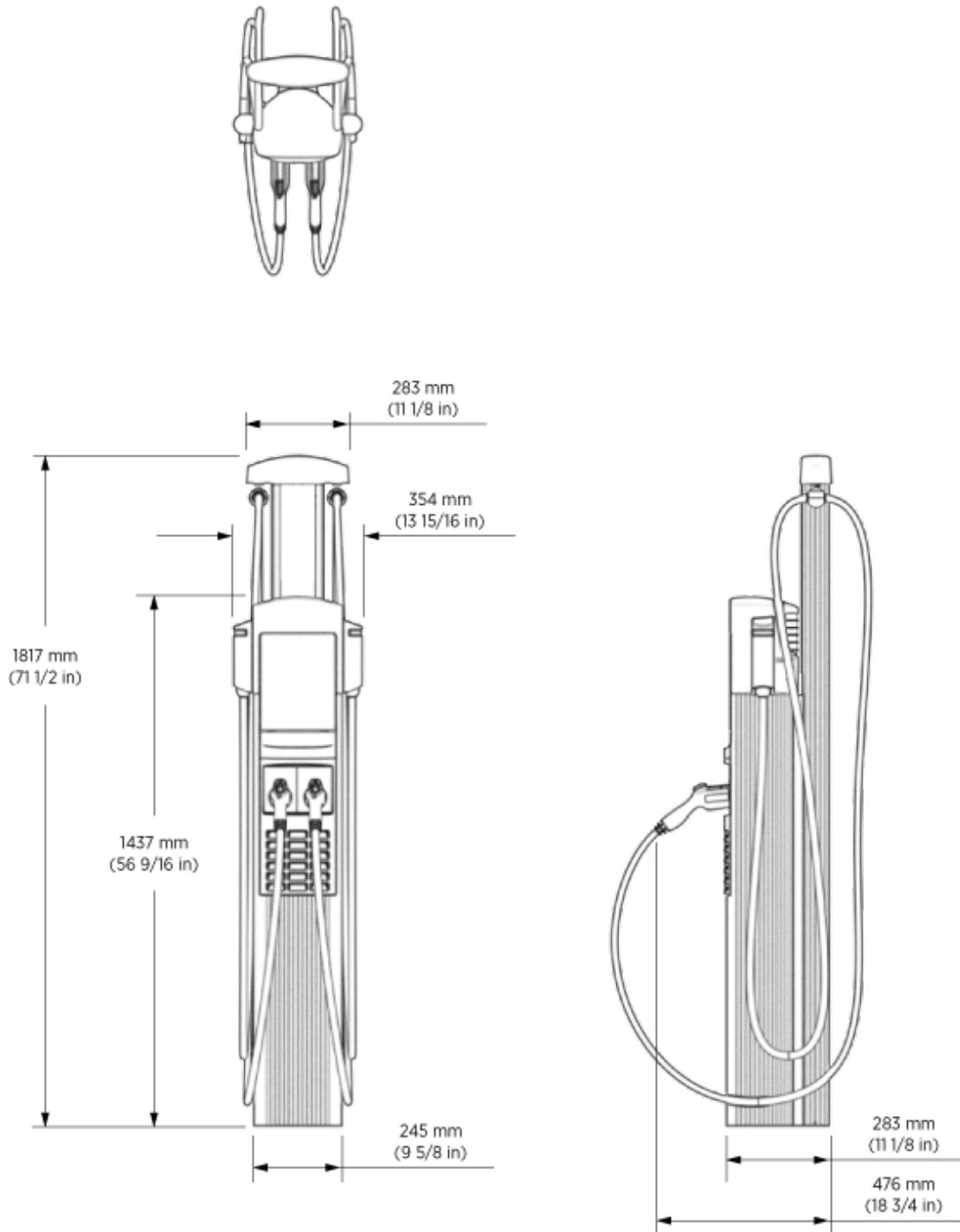
| Description | Order Code |
|---|------------------------------|
| ChargePoint Enterprise Plan | CPCLD-ENTERPRISE- <i>n</i> * |
| ChargePoint Fleet Commercial | CPCLD-COMMERCIAL- <i>n</i> * |
| ChargePoint Assure | CP6000-ASSURE- <i>n</i> * |
| Station Activation and Configuration | CPSUPPORT-ACTIVE |
| ChargePoint Site Validation | CPSUPPORT-SITEVALID |
| ChargePoint Installation and Validation | CP6000-INSTALLVALID |

Note: All CP6000 stations require a network service plan per port.

*Substitute *n* for desired years (1, 2, 3, 4 or 5 years)

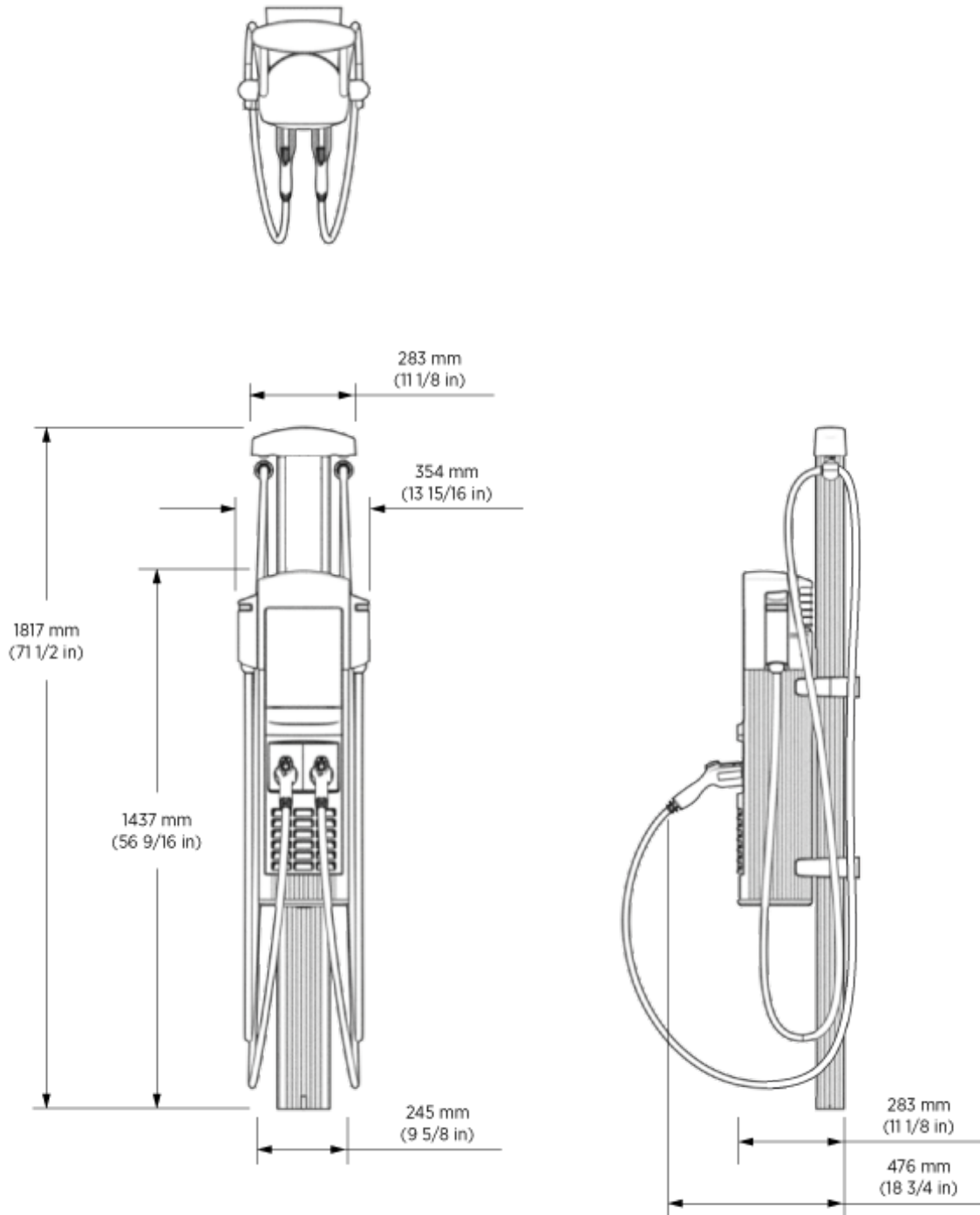
Architectural Drawings and Dimensions

Pedestal Mount



CP6000 AC Commercial Station Specifications

Wall Mount



General Specifications

Electrical Input

The CP6000 AC Commercial Station supports flexible electrical input/output settings up to 80A to fit your fueling needs, whether for a workplace, multi-family dwelling, or other application.

Power Select allows stations to be installed and configured for current lower than the maximum 80A. Power Select current options include 16A, 24A, 32A, 40A, 48A, 50A, 56A, 64A, and 72A.

Power Share allows a dual-port station to share power from a single circuit across two ports, adjusting power depending on whether one or both are charging. Standard wiring uses an independent circuit for each port. Power Share can be used in combination with Power Select.

| Station | Electrical Input | Single Port (AC Voltage 208 / 240V AC) | | | Dual Port (AC Voltage 208 / 240V AC) | | |
|---------|--------------------------------------|---|--|--|---|---|--|
| | | Input Current | Input Power Connection | Required Service Panel Breaker | Input Current | Input Power Connection | Required Service Panel Breaker |
| 80A | Maximum 80A (Standard) | 80A | One 100A branch circuit | 100A dual pole (non-GFCI) | 80A x 2 | Two independent 100A branch circuits | 100A dual pole (non-GFCI) x 2 |
| | Maximum 80A (Power Share*) | N/A | N/A | N/A | 80A | One 100A branch circuit | 100A dual pole (non-GFCI) |
| | Power Select** 16A - 72A (Standard) | 16A - 72A | One branch circuit rated 125% of input current (20A - 90A) | Dual pole (non-GFCI) rated 125% of input current (20A - 90A) | 16A - 72A x 2 | Two independent branch circuits rated 125% of input current (20A - 90A) | Dual pole (non-GFCI) rated 125% of input current (20A - 90A) x 2 |
| | Power Select 16A - 72A (Power Share) | N/A | N/A | N/A | 16A - 72A | One branch circuit rated 125% of input current (20A - 90A) | Dual pole (non-GFCI) rated 125% of input |

CP6000 AC Commercial Station Specifications

| | | | | | | | |
|-----------------------------------|---|-----------|--|--|---------------|---|--|
| | | | | | | | current (20A - 90A) |
| 50A | Maximum 50A (Standard) | 50A | One 70A branch circuit | 70A dual pole (non-GFCI) | 50A x 2 | Two independent 70A branch circuits | 70A dual pole (non GFCI) x 2 |
| | Maximum 50A (Power Share*) | N/A | N/A | N/A | 80A | One 70A branch circuit | 70A dual pole (non GFCI) |
| | Power Select** 16A - 48A (Standard) | 16A - 48A | One branch circuit rated 125% of input current (20A - 60A) | Dual pole (non-GFCI) rated 125% of input current (20A - 60A) | 16A - 48A x 2 | Two independent branch circuits rated 125% of input current (20A - 60A) | Dual pole (non-GFCI) rated 125% of input current (20A - 60A) x 2 |
| | Power Select 16A - 48A (Power Share) | N/A | N/A | N/A | 16A - 48A | One branch circuit rated 125% of input current (20A - 60A) | Dual pole (non-GFCI) rated 125% of input current (20A - 60A) |
| Service Panel/Breaker GFCI | Do not provide external GFCI as it may conflict with internal GFCI (CCID) | | | | | | |
| Wiring – Standard | 3-wire (L1, L2, Earth) No neutral | | | 5-wire (L1, L1, L2, L2, Earth) | | | |
| Wiring – Power Share | N/A | | | 3-wire (L1, L2, Earth) | | | |
| Station Power | 8 W typical (standby), 15 W maximum (operation) | | | | | | |
| Line to Ground Voltage | 120V +/- 10% | | | | | | |

Electrical Output for 80A Station

| Electrical Output | Single Port (AC Voltage 208 / 240V AC) | Dual Port (AC Voltage 208 / 240V AC) |
|-----------------------------------|---|---|
| Maximum 80A (Standard) | 19.2 kW (240V AC @ 80A) | 19.2 kW (240V AC @ 80A) |
| Maximum 80A (Power Share) | N/A | 19.2 kW (240V AC @ 80A) x 1 or 9.6 kW (240V AC @ 40A) x 2 |
| Power Select 16A - 72A (Standard) | 3.8 kW - 17.3 kW (240V AC @ 16A - 72A) | 3.8 kW - 17.3 kW (240V AC @ 16A - 72A) x 2 |

CP6000 AC Commercial Station Specifications

| | | |
|---|-----|--|
| Power Select 16A - 72A (Power Share) | N/A | 3.8 kW - 17.3 kW (240V AC @ 16A - 72A) x 1 or 1.9 kW - 8.6 kW (240V AC @ 8A - 36A) x 2 |
|---|-----|--|

Electrical Output for 50A Station

| Electrical Output | Single Port (AC Voltage 208 / 240V AC) | Dual Port (AC Voltage 208 / 240V AC) |
|---|---|--|
| Maximum 50A (Standard) | 12.0 kW (240V AC @ 50A) | 12.0 kW (240V AC @ 50A) |
| Maximum 50A (Power Share) | N/A | 12.0 kW (240V AC @ 50A) x 1 or 6.0 kW (240V AC @ 25A) x 2 |
| Power Select 16A - 48A (Standard) | 3.8 kW - 11.5 kW (240V AC @ 16A - 48A) | 3.8 kW - 11.5 kW (240V AC @ 16A - 48A) x 2 |
| Power Select 16A - 48A (Power Share) | N/A | 3.8 kW - 11.5 kW (240V AC @ 16A - 48A) x 1 or 1.9 kW - 5.8 kW (240V AC @ 8A - 24A) x 2 |

Mounting and Functional Interfaces

| | |
|----------------------------|--|
| Connector Type | SAE J1772™ |
| Number of Ports | Single, dual |
| Mounting | Pedestal, wall |
| Cable Length | 18 ft (5.5 m), 23 ft (7m) |
| Cable Management | Yes |
| Authentication and Payment | RFID: ISO 15693, ISO 14443, NEMA EVSE 1.2-2015 (UR) NFC (Tap to Charge) Remote: mobile and in vehicle (if supported by vehicle) Contactless credit card EMV chip credit card (for -CHIP models only) |
| Locking Holster | Yes |
| ISO 15118 Protocol | Supported by hardware |
| Display | Full color 8-inch interactive display with full motion video, UV protection, gesture touch controls, and multi-language support |

Safety and Connectivity Features

| | |
|--------------------------------|--|
| Ground Fault Detection | 20 mA CCID with auto retry |
| Open Safety Ground Detection | Continuously monitors presence of safety (green wire) ground connection |
| Plug-Out Detection | Power terminated per SAE J1772™ specifications |
| Energy Measurement | Meter accuracy 1% Accuracy class 2.0 Acceptance tolerance 1.0% |
| Power Report/Store Interval | 15-minute interval aligned to hour. Responsive to load management signals. |
| Local Area Network | Wi-Fi 2.4 GHz and 5GHz (802.11 a/n/b/g) |
| Wide Area Network | LTE Category 4 |
| Network Communication Protocol | OCPP 2.0.1 |
| Ethernet connection | Capable with accessory |

Safety and Operational Ratings

| | |
|--------------------------|---|
| Station Enclosure Rating | Type 3R per UL 50E |
| Safety and Compliance | UL and cUL listed; complies with UL 2594, UL 2231-1, UL 2231-2, and NEC Article 625 Energy Star (Dual Port Only) CTEP |

CP6000 AC Commercial Station Specifications

| | |
|-----------------------------------|--|
| Station Surge Protection | 6 kV @ 3,000A. In geographic areas subject to frequent thunderstorms, supplemental surge protection at the service panel is recommended. |
| EMC Compliance | FCC Part 15 Class B |
| Operating Temperature | -40°C to 50°C (-40°F to 122°F) |
| Non-Operating Temperature | -40°C to 60°C (-40°F to 140°F) |
| Terminal Block Temperature Rating | 105°C (221°F) |
| Operating Humidity | Up to 85% @ 50°C (122°F) non-condensing |
| Non-Operating Humidity | Up to 95% @ 50°C (122°F) non-condensing |

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CP6000 AC Commercial Station Specifications



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