

RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT



ADDENDUM NO. 2

Bid #1449 Temporary Village Phase 5A Project
at
Santa Ana College

Address: 1530 W 17th St, Santa Ana, CA 92706

Project ID #3573

DSA NO. 04-121840

January 19, 2024

Owner:
Rancho Santiago Community College District
2323 North Broadway, Room 112
Santa Ana, California 92706

RECEIPT OF THIS ADDENDUM MUST BE ACKNOWLEDGED ON BID FORM WHEN
SUBMITTED

The following changes, additions, deletions or corrections shall become a part of the Contract Documents for the project named on the previous page and all other conditions shall remain the same. The Bidders shall be responsible for transmitting this information to all affected Subcontractors and Suppliers, prior to the closing of Bids. Prospective Bidders shall acknowledge receipt of this Addendum in the space provided on the Bid Proposal Form by the number. Failure to do so shall deem the Bid Proposal as non-responsive and subject the Bidder to disqualification.

Item No. AD 2-1 Extension of Pre-Bid Questions Due Date (see revised date in red)

Pre-Bid Questions. All Bidder questions about the meaning or intent of the Contract Documents shall be directed to the District in writing by email to facilitiesbid@rsccd.edu (“Pre-Bid Questions”) by utilizing the District’s Pre-Bid Clarification Form provided within. Pre-Bid Questions and requests for clarifications must be submitted to the District by 5:00 P.M. ~~Wednesday, December 20, 2023~~ **Tuesday, February 6, 2024**. Bidders are solely responsible for submission of Pre-Bid Questions prior to such time/date; the District will not respond to Pre-Bid Questions submitted after such time/date. Responses to timely submitted Pre-Bid Questions will be in the form of Addenda posted on the District’s Purchasing Department webpage. Bidders are solely responsible for review of the District’s Purchasing Department webpage to obtain Addenda issued during the bidding process. No person is authorized to: (i) render an oral interpretation, correction or modification of any portion of the Contract Documents; or (ii) provide oral responses to Pre-Bid Questions. No Bidder may rely on any such oral interpretation, correction, modification or response.

Item No. AD 2-2 Extension of Bid Due Date (see revised date in red)

Submittal of Bid Proposals. All Bid Proposals must be submitted on forms furnished by the District prior to 2:00 P.M., ~~Tuesday, January 16, 2024~~, **Tuesday, February 20, 2024** the last time for submission of Bid Proposals and the District’s public opening and reading of Bid Proposals. Submit Bids to RSCCD Facility Planning, Construction and District Support Services at 2323 North Broadway, Suite 112, Santa Ana, CA 92706. Bidders are solely responsible for timely submission of Bid Proposals to the District at the designated location. The District shall not be responsible for any delays or issues with mail delivery. Any bid received after the scheduled closing time for receipt of bids shall be returned to the bidder unopened. Bid Summary will be posted on the District’s website (www.rsccd.edu then click on “[Bid Opportunities](#)”)

Item No. AD 2-3 DSA Addendum to Construction Documents

See attached DSA Addendum No. 2 for revisions to the Construction Documents.


Enclosure: DSA Addendum No. 2 (Dated 11/10/23)

This is the end of Addendum No. 2

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

This application is for submittal of documents, after the initial approval of the project (post-approval documents), that require Division of the State Architect (DSA) review and approval. This form shall be completed by the Design Professional in General Responsible Charge of the project, in accordance with California Code of Regulations, Title 24, Part 1, Sections 4-317, 4-323 and 4-338 and in compliance with DSA IR A-6: Construction Change Document Submittal and Approval Process.

DSA documents referenced within this form are available on the [DSA Forms](#) or [DSA Publications](#) webpages.

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>)			
Deferred Submittal <input type="checkbox"/>	Addendum Number: <u>02</u>	Revision Number:	CCD Number: _____ Category A <input type="checkbox"/> or B <input type="checkbox"/>
2. PROJECT INFORMATION:			
School District/Owner: <u>RANCHO SANTIAGO COMMUNITY COLLEGE DISTRICT</u>		DSA File Number: <u>30 C1</u>	
Project Name/School: <u>SANTA ANA COLLEGE TEMPORARY VILLAGE</u>		DSA Application Number <u>04 121840</u>	
3. APPLICANT INFORMATION:			
Date Submitted: <u>1/09/24</u>	Attached Pages? No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> Number of pages? <u>34</u>		
Firm Name: <u>SVA Architects, Inc</u>	Contact Name: <u>Robert Simons</u>		
Work Email: <u>BSimons@sva-architects.com</u>	Work Phone: <u>(949) 809-3380</u>		
Firm Address: <u>6 Hutton Centre Drive, Suite 1150</u>	City: <u>Santa Ana</u>	State: <u>CA</u>	Zip Code: <u>92707</u>
4. REASON FOR SUBMITTAL: (Check applicable boxes)			
<input checked="" type="checkbox"/> For revision or addendum prior to construction.		<input type="checkbox"/> For a project currently under construction.	
<input type="checkbox"/> For a project that has a form DSA 301-N: Notification of Requirement for Certification, DSA 301-P: Posted Notification of Requirement for Certification or a 90-Day Letter issued.			
<input type="checkbox"/> To obtain DSA approval of an existing uncertified building or buildings.			
<input type="checkbox"/> For Category B CCD this is: <input type="checkbox"/> a voluntary submittal, <input type="checkbox"/> a DSA required submittal (attach DSA notice requiring submission).			
5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:			
Name of the Design Professional In General Responsible Charge: <u>Robert Simons</u>			
Professional License Number: <u>C-18301</u>		Discipline: <u>Architecture</u>	
Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project.			
Signature: <u></u>			
DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE			
6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:			
For addenda, revisions, or CCDs: CHECK THIS BOX <input checked="" type="checkbox"/> to confirm that <i>all</i> post-approval documents have been stamped and signed by the Responsible Design Professional listed on form DSA 1: Application for Approval of Plans and Specifications for this project. (For Deferred Submittals, refer to IR A-18: Use of Construction Documents Prepared by Other Professionals, and IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents, when applicable, for signature and seal requirements.)			
Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed): <u>ADDITIONAL CLARIFCATIONS HAVE BEEN ADDED TO THE DRAWINGS TO CLARIFY SCOPE FOR BIDDERS.</u>			
List of DSA-approved drawings affected by this post-approval document: <u>GEN-1, GEN-4, GEN-5, A1.0, A11.1, A11.3, A11.4, A40.1, A40.2, A40.3, A40.4, A40.5, A50.1, A52.1. SPECS 00 01 10, SPECS 09 65 40, SPECS: 09 68 16</u>			

DSA USE ONLY		
	Returned	DSA STAMP
SSS <u>GC</u> Date <u>11/21/2023</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____	Date: <u>01/12/2024</u>	<div style="border: 2px solid black; border-radius: 15px; padding: 10px; text-align: center;"> <p>APPROVED</p> <p>DIV. OF THE STATE ARCHITECT</p> <p>APP: 04-121840 INC:</p> <p>REVIEWED FOR</p> <p>SS <input checked="" type="checkbox"/> FLS <input type="checkbox"/> ACS <input checked="" type="checkbox"/></p> <p>DATE: <u>01/12/2024</u></p> </div>
FLS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input checked="" type="checkbox"/> Not Required Comments: _____	By: <u>DP</u>	
ACS <u>DH</u> Date <u>01/12/2024</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____		



Owner: RSCCD/ SANTA ANA COLLEGE
2323 N. Broadway, Suite 112
Santa Ana, CA 92706

Project: Temporary Village Phase 5A

Sites: Santa Ana College – Temporary Village

Application# DSA 04-121840 (DSA Approved 08.22.23)

Date: 11.10.23

DSA ADDENDUM NO. 2

Note: The following revisions and clarifications to the Bid Documents (plans and specifications) shall become a part of the Contract Documents upon award of Bid. All bidders are required to incorporate all necessary changes, additions, or deductions into their proposals. It is the contractors responsibility to incorporate all aspects of the drawings, whether or not changes are identified in this narrative or not.

I. DRAWING REVISIONS

A. ARCHITECTURAL SHEETS

1. Sheet GEN-1 – Project Signage
 - a. Project Summary – Project description updated to include “alterations to existing restrooms to ensure compliance.”
2. Sheet GEN-4 – Project Signage
 - a. Detail 9 – Detail title has been updated to say “(E) Accessible Parking Stall (For Reference)” to clarify that no work is being done. Posts have also been relocated to no longer be located within the parking spaces.
 - b. Detail 13 – Van accessible parking sign detail reference and removal of truncated domes, to provide side access, notes included. Added note to rotate EV charger and patch and repair surrounding concrete.
 - c. Detail 14 – EV signage details added for reference and to provide greater clarity.
 - d. Detail 15 – Enlarged southern EV parking stalls detail added for reference and to provide greater clarity.
 - e. Detail 16 – Detail added for new Accessible parking layout.
 - f. Detail 17 – Detail added in correlation to new accessible parking.

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3. Sheet Gen-5 – General Accessibility

- a. Detail 5- Detail has been added for Pipe rail

4. Sheet A1.0 – Site Plan

- a. Site Plan Keynotes – Keynotes S2-S3, S9 – S12 and keynotes S-15 – S17 have been updated to reflect that the accessible parking spaces are existing and the indicated detail locations for the spaces are to be referred to as references only.

5. Sheet A11.1 – Floor Plan Building VL-100 Existing

- a. Existing Bldg. VL-100 Floor Plan – Callout note updated to say “(E) PARTITION TO BE REMOVED PATCH AND PAINT WALLS AS REQUIRED FROM REMOVAL DAMAGE” to further clarify the extent of work to be completed for the existing wall partition conditions.

6. Sheet A11.3 – Floor Plan Building VL-100

- a. Bldg. VL-100 Proposed Floor Plan – Hatch applied over VL-103 to clarify that VL-103 is not to have a configuration. Hatch removed from VL-101 and VL-102 to indicate that these rooms are now included in scope. Callouts added to specify the work to be done to VL-101 and VL-102. Hatch created indicating areas where subflooring is to be repaired.
- b. Floor Plan Legend – Hatch added describing subflooring repair.

7. Sheet A11.4 – Floor Plan Building VL-200

- a. Bldg. VL-200 Floor Plan – Hatch applied over VL-209, and VL-210 to clarify that VL-209 and VL-210 are to not be reconfigured. Note removed from VL-208 and door tag added. Hatch removed from VL-201 and VL-202 to indicate that these rooms are now included in scope. Callouts added to specify the work to be done to VL-201 and VL-202. Hatch created indicating areas where subflooring is to be repaired.
- b. Floor Plan Legend – Hatch added describing subflooring repair.

8. Sheet A40.1 – El Don Enlarged Plans

- a. Keynotes – Keynote 148 added to callout existing suspended ceiling grid systems that are to remain.
- b. RCP Legend – Two hatches added to the legend to illustrate in the drawing areas where new suspended ceiling grid extensions are to join ceiling grids and where existing suspended ceiling grids are to be modified per new partition wall installation.
- c. El Don-VL206/207 Enlarged Plan – Interior elevation marker included in plan to indicate reference for built-in elevation. Turning radius symbolism provided.
- d. El Don VL-206-207 RCP Plan – Drawing updated to include new hatches and callouts to further clarify the conditions in the drawing.
- e. Detail 7 – Archives built-in elevation added to sheet to further illustrate and clarify the built in cabinet conditions present in the archives room VL-206-3.

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9. Sheet A40.2 – Thrive Center Enlarged Plans
 - a. RCP Legend – Two hatches added to the legend to illustrate in the drawing areas where new suspended ceiling grid extensions are to join ceiling grids and where existing suspended ceiling grids are to be modified per new partition wall installation.
 - b. Thrive Center VL-110 RCP Plan – Drawing updated to include new hatch to further clarify the conditions in the drawing.
10. Sheet A40.3 – Sewing Lab Enlarged Plans
 - a. Keynotes – Keynote 148 included to identify where existing suspended ceiling grids are to remain. Keynotes 064100.A and 064100.C have been updated to identify that the conditions described are new.
 - b. Sewing Lab VL-104A RCP Plan – Keynote 148 included to identify suspended ceiling grid condition that is to remain.
11. Sheet A40.4 – Fashion Design Enlarged Floor Plans
 - a. Keynotes – Keynotes 064100.A and 064100.C have been updated to identify that the conditions described are new. Keynote 221000.J has been updated identifying that the existing washout sink is to be relocated and installed.
12. Sheet A40.5 – Fashion Design Enlarged RCP Plans
 - a. Keynotes – Keynote 148 added to callout existing suspended ceiling grid systems that are to remain.
 - b. RCP Legend – Two hatches added to the legend to illustrate in the drawing areas where new suspended ceiling grid extensions are to join ceiling grids and where existing suspended ceiling grids are to be modified per new partition wall installation.
 - c. Fashion Design VL-105/106 RCP Plan – Drawing updated to include new hatch to further clarify the conditions in the drawing.
 - d. Section 4 – Fashion Design – Dimensions added to washout sink with side panels for reference and to show compliance.
 - e. Detail 4 – Dimensions added to built-in conditions to show compliance with 11B-309.4.
 - f. Detail 5 – Detail added to sheet to illustrate accessibility compliance for washout sink.
13. Sheet A50.1 – Interior Finish Schedule
 - a. Added VL 101/102 and 201/202 to finish schedule for replacement of flooring.
 - b. Finish Schedule – Note updated to include floor diaphragm repair description.
14. Sheet A52.1 – Door Schedule
 - a. Door Schedule – Necessary remarks have been added to doors to greater clarify door conditions. Note for door testing to ensure compliance with 11B-404 added. Doors E11-E13

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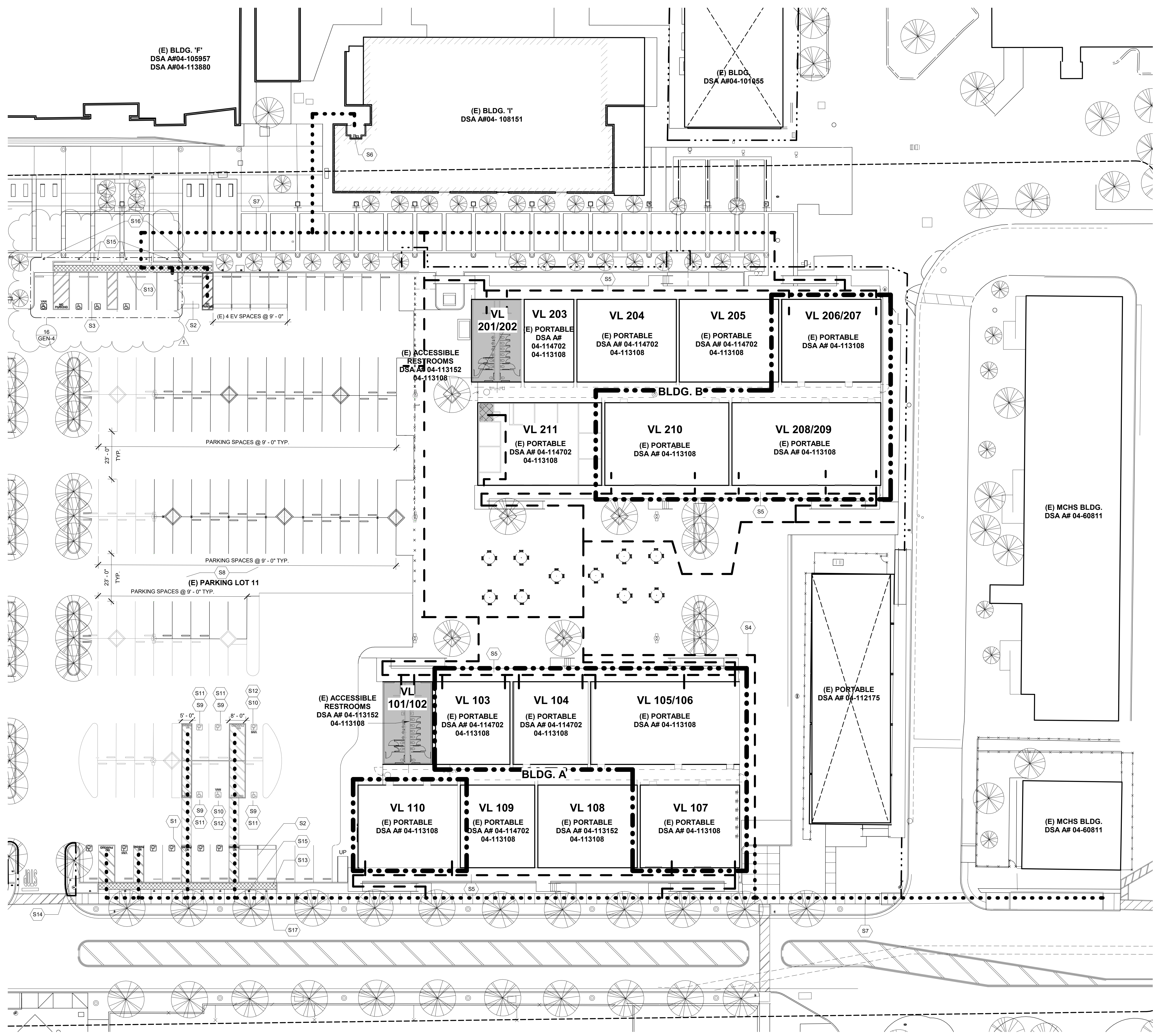
November 10, 2023

have been added to the door schedule.

II. SPECIFICATIONS

1. 01 01 10 Table of Contents – **REVISED**
2. 09 65 40 Linoleum Sheet Flooring - **ADDED**
3. 09 68 16 Carpeting – **ADDED**

END OF ADDENDUM #01



- S1 (E) ACCESSIBLE PARKING PER A# 04-112776 TO REMAIN
- S2 (E) EV PARKING TO REMAIN SEE 13/GEN-4 FOR REFERENCE
- S3 (N) ACCESSIBLE PARKING SEE 16/GEN-4 FOR REFERENCE
- S4 (E) P.O.T. PER 04-113152 TO REMAIN.
- S5 (E) PC RAMP 04-12033 TO REMAIN PER 04-113152 TYP.
- S6 (E) EXTERIOR ACCESSIBLE HI-LO DRINKING FOUNTAIN PER A#04-108151
- S7 (E) PATH OF TRAVEL PER 04-112776 TO REMAIN
- S8 (E) PARKING LOT 11 TO REMAIN
- S9 (E) ACCESSIBLE PARKING SEE 9/GEN-4 FOR REFERENCE
- S10 (E) VAN ACCESSIBLE PARKING SEE 9/GEN-4 FOR REFERENCE
- S11 (E) ACCESSIBLE PARKING SIGNAGE TO REMAIN SEE 10/GEN-4 FOR REFERENCE
- S12 (E) VAN ACCESSIBLE PARKING SIGNAGE SEE 11/GEN-4 FOR REFERENCE
- S13 (E) DETECTABLE WARNING DOMES TO REMAIN
- S14 (N) TOW AWAY SIGNAGE PER 12/GEN-4 TO REPLACE EXISTING
- S15 (N) STANDARD ACCESSIBLE EV CHARGING SIGNAGE PER 14/GEN-4
- S16 (E) VAN ACCESSIBLE EV CHARGING SIGNAGE SEE DETAIL/14/GEN-4 FOR REFERENCE
- S17 (N) EV CHARGING SIGNAGE PER 14/GEN-4

SITE PLAN KEYNOTES

PARKING COUNT LOT # 11 ANALYSIS PARKING LOT #11 - DSA A# 04-112776		
	REQUIRED	EXISTING
STANDARD STALLS (NON-ACCESSIBLE):	-	379
VAN ACCESSIBLE STALLS:	2	3
STANDARD ACCESSIBLE STALLS:	6	10
TOTAL PARKING STALLS (NON-E.V.C.S.):		392
E.V. STANDARD SPACES (NON-ACCESSIBLE):	-	5
E.V. VAN ACCESSIBLE SPACES:	1	1
E.V. STANDARD ACCESSIBLE SPACES:	1	1
TOTAL E.V.C.S. SPACES:		7

- NOTES:**
- PARKING ANALYSIS AND REQUIREMENTS, PER CBC SEC. 11B-208 AND TABLE 11B-208.2. SEE TABLE BELOW FOR REFERENCE.
 - ELECTRIC VEHICLE CHARGING STATIONS REQUIREMENTS, PER CBC SEC. 11B-228 AND TABLE 11B-228.3.2.1. SEE TABLE BELOW FOR REFERENCE.

**TABLE 11B-208.2
PARKING SPACES**

TOTAL NUMBER OF PARKING SPACES PROVIDED IN PARKING FACILITY	MINIMUM NUMBER OF REQUIRED ACCESSIBLE PARKING SPACES
1 to 25	1
26 to 50	2
51 to 75	3
76 to 100	4
101 to 150	5
151 to 200	6
201 to 300	7
301 to 400	8
401 to 500	9
501 to 1000	2 percent of total
1001 and over	20, plus 1 for each 100, or fraction thereof, over 1000

11B-208.2.4 Van parking spaces. For every six or fraction of six parking spaces required by Section 11B-208.2 to comply with Section 11B-502, at least one shall be a van parking space complying with Section 11B-502.

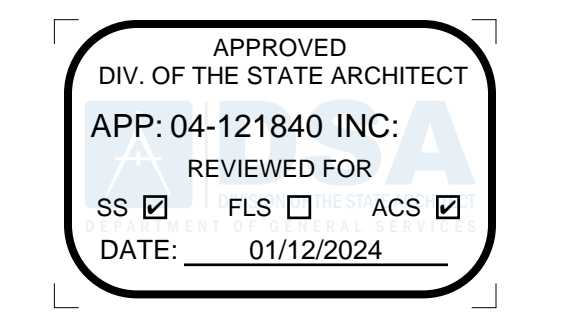
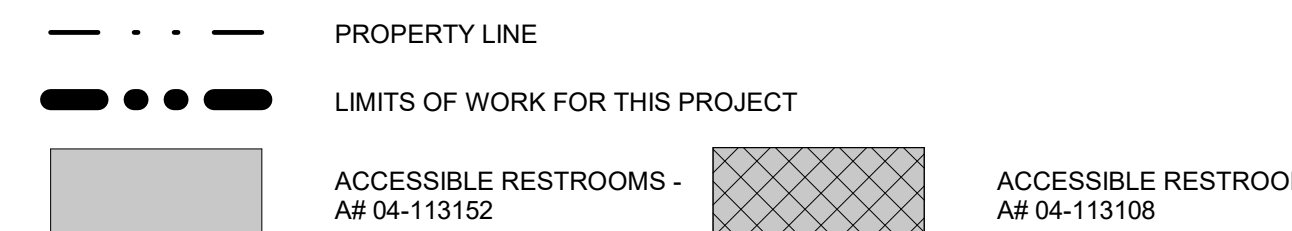
**TABLE 11B-228.3.2.1
ELECTRIC VEHICLE CHARGING STATIONS FOR PUBLIC USE AND COMMON USE**

TOTAL NUMBER OF EVCS AT A FACILITY ¹	MINIMUM NUMBER (BY TYPE) OF EVCS REQUIRED TO COMPLY WITH SECTION 11B-511 ²		
	Van Accessible	Standard Accessible	Ambulatory
1 to 4	0	0	0
5 to 25	1	1	0
26 to 50	1	1	1
51 to 75	1	2	2
76 to 100	1	1	3
101 and over	1, plus 1 for each 50, or fraction thereof, over 100	3, plus 1 for each 60, or fraction thereof, over 100	3, plus 1 for each 50, or fraction thereof, over 100

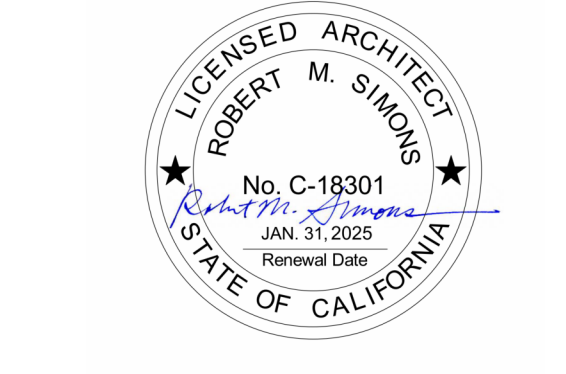
1. Where an EV charger can simultaneously charge more than one vehicle, the number of EVCS provided shall be considered equivalent to the number of electric vehicles that can be simultaneously charge.

PARKING ANALYSIS

- (E) PATH OF TRAVEL APPROVED UNDER DSA A# 04-112776
 - - - - - (E) PATH OF TRAVEL APPROVED UNDER DSA A# 04-113152
- PATH OF TRAVEL (P.O.T.) AS INDICATED MEETS THE FOLLOWING REQUIREMENTS:
- IS A BARRIER-FREE ACCESSIBLE ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT A SLOPE NOT STEEPER THAN 1:2 EXCEPT THAT LEVEL CHANGES ARE 1/4" MAX VERTICAL & IS AT LEAST 48" WIDE.
 - SURFACE SHALL BE STABLE, FIRM AND SLIP RESISTANT.
 - CROSS-SLOPE SHALL NOT BE STEEPER THAN 1:48 AND RUNNING SLOPE SHALL NOT BE STEEPER THAN 1:20 UNLESS OTHERWISE INDICATED (SEC 11B-403.3)
 - P.O.T. SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (SECTION 11B-307.4) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL SURFACE BETWEEN 27" AND 80" ABOVE FINISH FLOOR OR GROUND (SECTION 11B-307.2)
 - PROVIDE FLUSH TRANSITIONS AT ANY ADJOINING JOINTS BETWEEN DIFFERENT WALK SURFACES IN P.O.T.
- DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE STATEMENT:**
THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS IS COMPLIANT WITH THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS AND STRUCTURAL REPAIRS. AS PART OF THE DESIGN OF THIS PROJECT, THE POT WAS EXAMINED AND ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NONCOMPLIANT 1) HAVE BEEN IDENTIFIED AND 2) THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECT'S WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NONCOMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED UPON THE VALUATION THRESHOLD OR A FINDING OF UNREASONABLE HARDSHIP ARE SO INDICATED IN THESE CONSTRUCTION DOCUMENTS.
- DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CODE COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THEY SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.**



OWNER: RSCCD/ SANTA ANA COLLEGE
PROJECT NAME: TEMPORARY VILLAGE PHASE 5A
 CLIENT ADDRESS: 2323 N. Broadway, Suite 112, Santa Ana, CA 92706



REVISIONS:

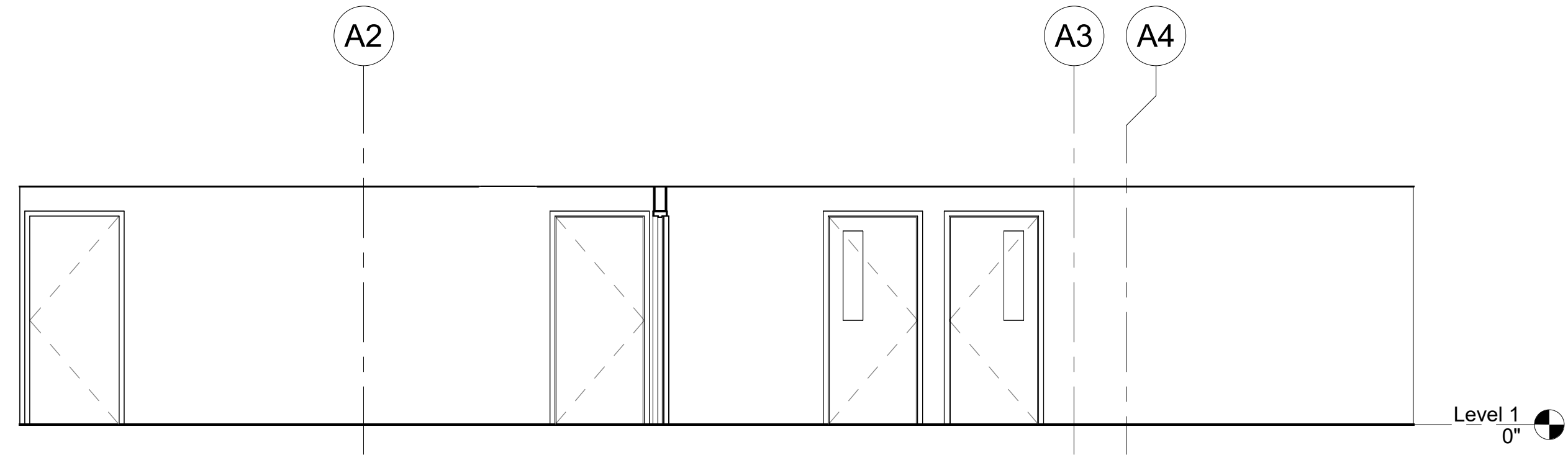
NO.	DESCRIPTION	DATE
1	DSA ADDENDUM 2	11/10/23

PROJECT NO: 2021-40163
DATE ISSUED: 08-31-2022
SCALE: As indicated

A1.0
SITE PLAN



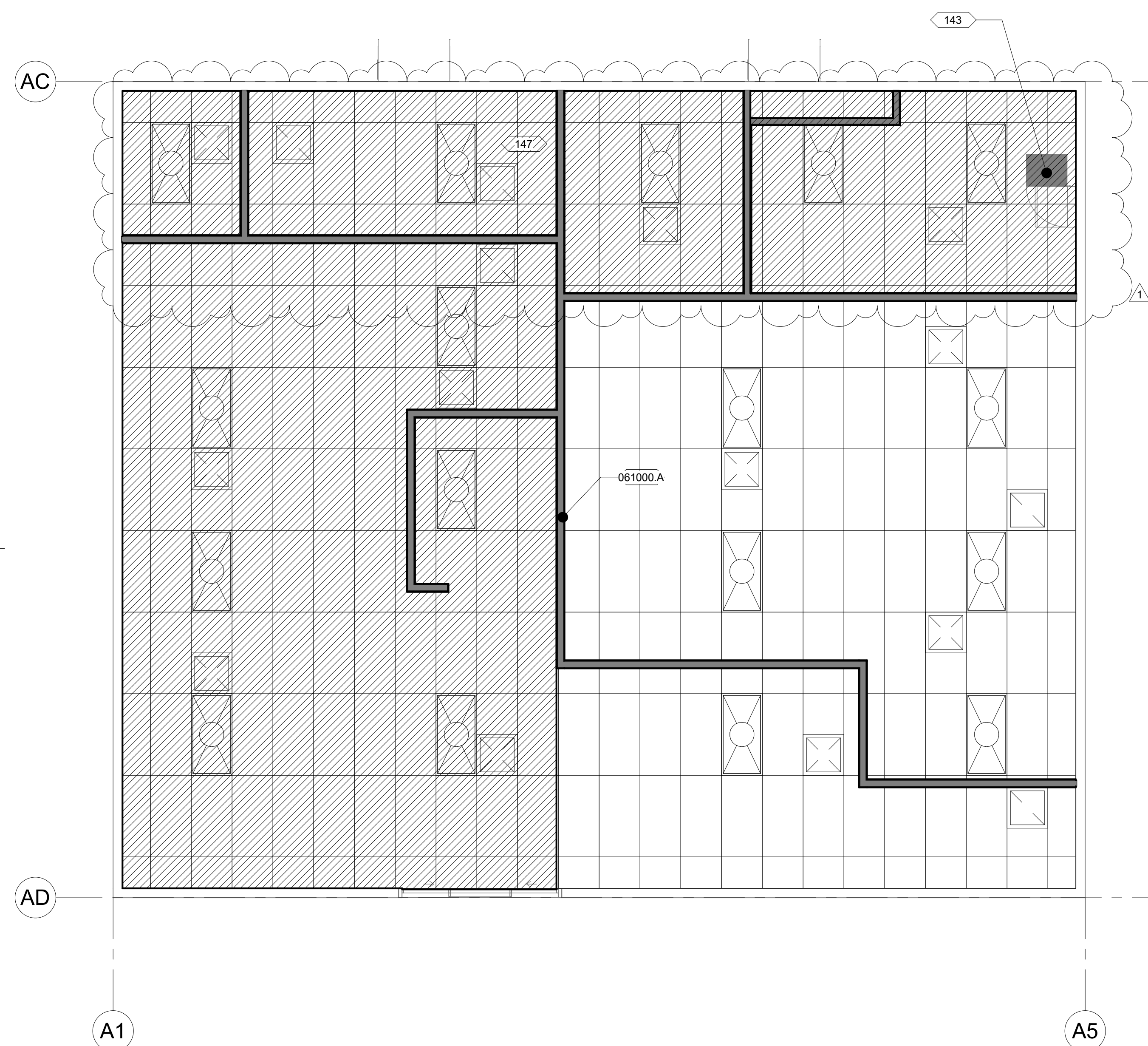
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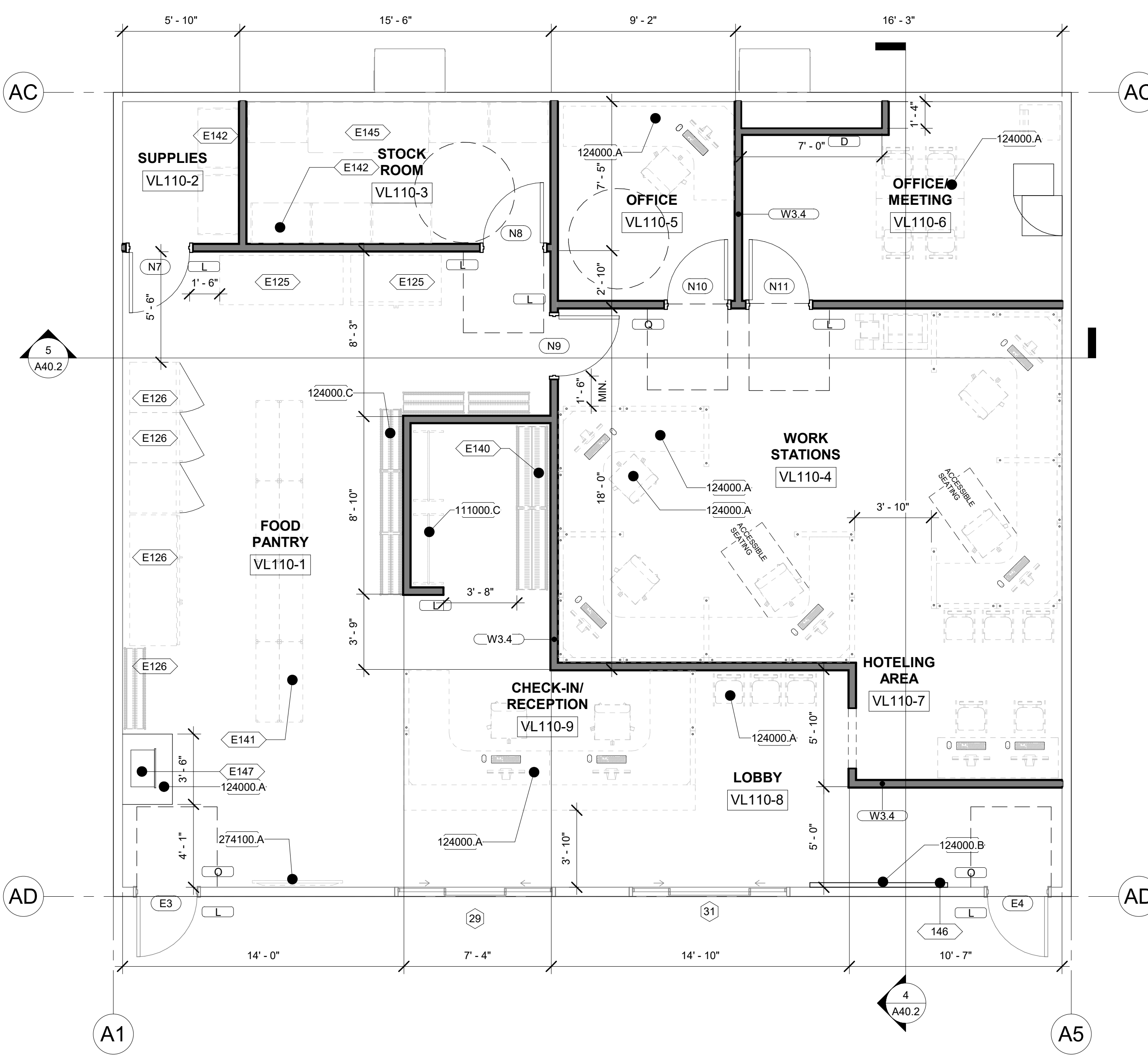
Section 3 1/4" = 1'-0" 5



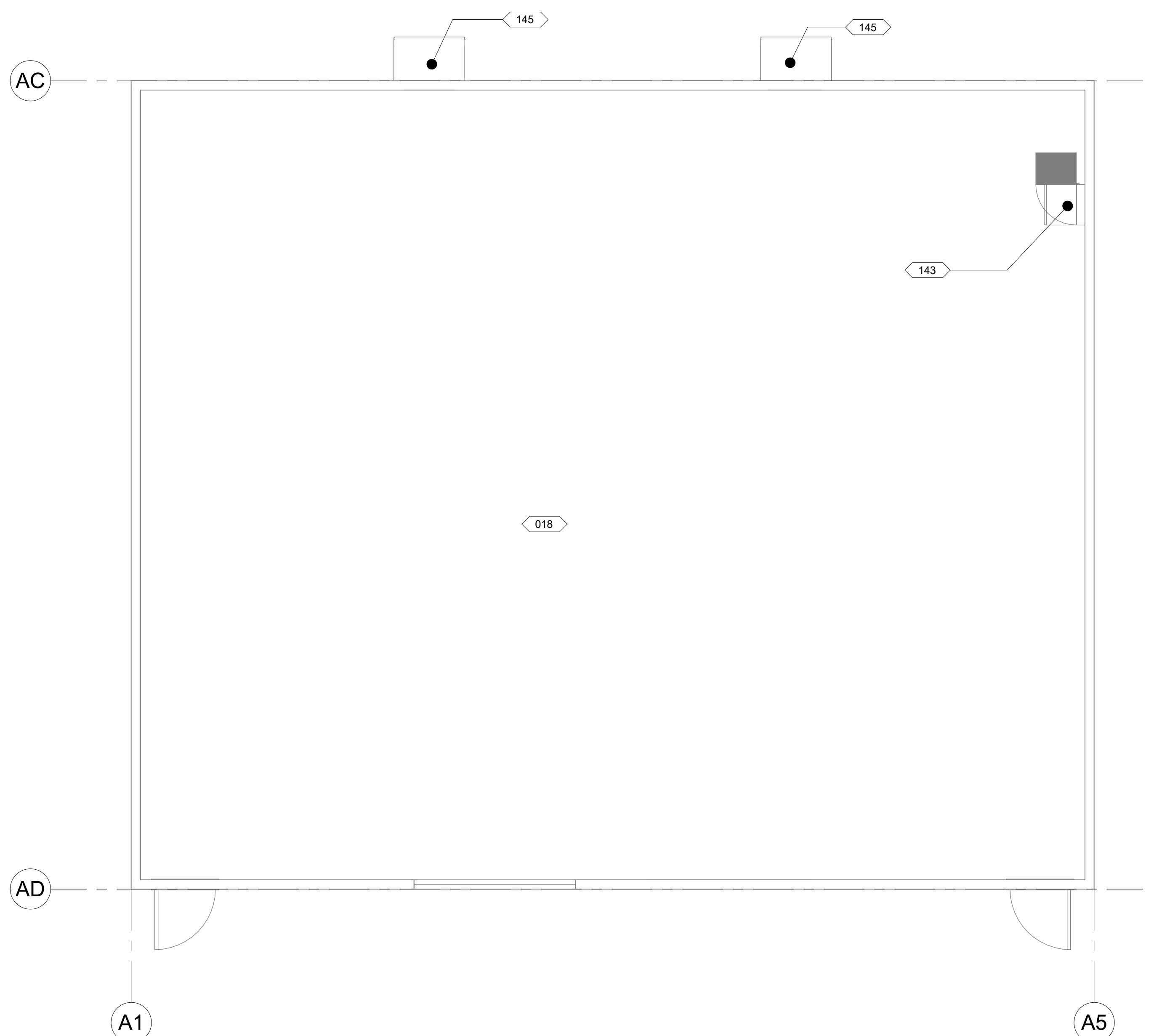
Section 2 1/4" = 1'-0" 4



THRIVE CENTER VL-110 RCP PLAN 1/4" = 1'-0" 3



THE THRIVE CENTER - VL-110 ENLARGED PLAN 1/4" = 1'-0" 2



THE THRIVE CENTER - VL-110 DEMO PLAN 1/4" = 1'-0" 1

- 018 EXISTING FLOOR FINISH TO BE REMOVED AND REPLACED
- 143 EXISTING IDF CABINET TO REMAIN
- 145 EXISTING HVAC TO REMAIN
- 146 EXISTING CLASS A/B/C FIRE EXTINGUISHER TO REMAIN
- 147 EXISTING SUSPENDED CEILING GRID TO BE MODIFIED PER NEW PARTITION WALL INSTALLATION TYP. REFER TO 13/A61.3
- 061000.A WOOD FRAMING, SEE STRUCTURAL DRAWINGS
- 111000.C (N) GARMENT RACK ON ROLLING CASTERS - 4' LENGTH
- 124000.A FURNITURE TO BE SUPPLIED BY OWNER
- 124000.B MOBILE BROCHURE DISPLAY(S) OF/OI
- 124000.C SHELVING - ROLLING, OF/OI
- 274100.A (E) LED DISPLAY, RELOCATE AND INSTALL PER DETAIL 8/A61.3
- E125 CHEST FREEZER, OF/OI
- E126 BEVERAGE REFRIGERATOR, OF/OI
- E140 ROLLING METAL SHELVING
- E141 MOVABLE METAL DISPLAY
- E142 STORAGE CABINETS
- E145 METAL PREP TABLE, OF/CI
- E147 MICROWAVE, OF/OI

KEYNOTES

NO.	DESCRIPTION	SHT.
1	ASSISTIVE LISTENING SIGN	5/GEN-4
2	TACTILE ROOM IDENTIFICATION SIGN	3/GEN-4
3	TACTILE EXIT SIGN	6/GEN-4
4	OCCUPANT LOAD SIGN	2/GEN-4

SIGNAGE LEGEND

- 30"x48" MIN. ACCESSIBLE WHEELCHAIR CLEAR FLOOR SPACE
- 60" MIN. ACCESSIBLE WHEELCHAIR CLEAR TURNING SPACE
- EXISTING METAL STUD WALL
- NEW METAL STUD WALL PER SHEET A61.1
- WALL TYPE ANNOTATIONS, SEE SHEET A61.1 FOR DETAILS
- NUMBER INDICATES DOOR PER SCHEDULE, REFER TO SHEET A52.1
- NUMBER INDICATED WINDOW PER SCHEDULE, REFER TO SHEET A53.1

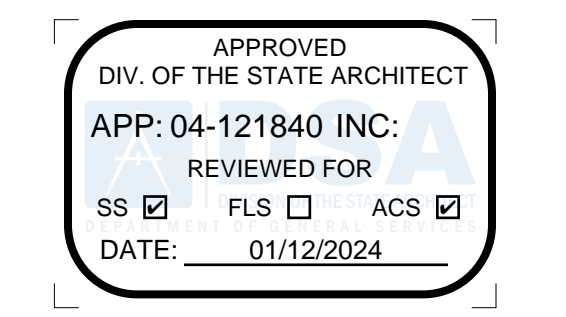
- FLOOR PLAN GENERAL NOTES:**
- ALL DIMENSIONS ARE TO CENTERLINE OF THE GRID LINES AND/OR TO THE FACE OF STUDS, U.N.O.
 - UNLESS NOTED OTHERWISE, ALL WALLS ARE FULL HEIGHT.
 - REFER TO SHEET GEN-4 FOR TYPICAL ACCESSIBILITY REQUIREMENTS AND DIMENSIONS.
 - REFER TO ENLARGED PLANS FOR DIMENSIONS AND CALLOUTS NOT SHOWN HERE.

FLOOR PLAN LEGEND

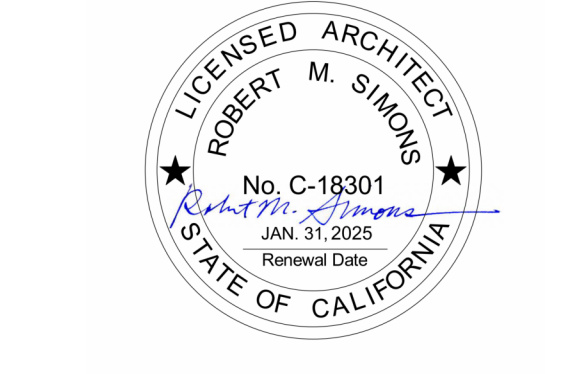
- (N) SUSPENDED CEILING GRID EXTENSION TO JOIN (E) CEILING GRIDS.
- (E) SUSPENDED CEILING GRID TO BE MODIFIED PER NEW PARTITION WALL INSTALLATION TYP. REFER TO 13/A61.3
- RECESSED SUPPLY AIR GRILL, SEE MECH. DRAWINGS
- RECESSED RETURN AIR GRILL, SEE MECH. DRAWINGS
- RECESSED EXHAUST AIR GRILL, SEE MECH. DRAWINGS
- 2X2 LUMINAIRE, SEE ELEC. DRAWINGS*
- 2X4 LUMINAIRE, SEE ELEC. DRAWINGS*
- EXIT SIGNAGE, SEE ELECTRICAL DRAWINGS
- 2' X 4' SUSPENDED CEILING TILES, REFER TO NOTE 2

- NOTES:**
- NOT USED
 - FOR SUSPENDED ACOUSTICAL CEILING, REFER TO SHEET A64.3
 - NOT USED
 - AT ALL ROOMS WITHOUT CEILINGS (LABELLED AS "EXP" ON PLAN AND/OR ON THE FINISH SCHEDULE), ALL EXPOSED SURFACES AND ELEMENTS SHALL BE PAINTED, INCLUDING STRUCTURE, DECK ABOVE, AND ALL UTILITIES INCLUDING PIPING, CONDUITS, DUCTWORK, ETC.
 - PLUMBING, ELECTRICAL, MECHANICAL AND FIRE PROTECTION COMPONENTS ARE SHOWN FOR REFERENCE AND COORDINATION PURPOSES. REFER TO PLUMBING, ELECTRICAL, MECHANICAL AND FIRE PROTECTION DRAWINGS FOR COMPONENT AND SYSTEM QUANTITIES, TYPES AND REQUIREMENTS
 - CENTER LIGHTING FIXTURES BETWEEN OPPOSITE WALLS, U.N.O.
 - ALL DIMENSIONS, NOTES, KEYNOTES AND DETAILS CALLOUTS ARE TYPICAL, U.N.O.
 - SEE SHEET A50.1 FOR INTERIOR FINISH LEGEND
 - AT EXPOSED CEILINGS, ALL DUCTS, PIPES AND CONDUITS SHALL RUN PARALLEL OR PERPENDICULAR TO WALL, AND AS CLOSE TO THE DECK ABOVE AS POSSIBLE. PROVIDE ESCUTCHEONS FOR CONDUIT/PIPES AT WALLS WHERE EXPOSED.
 - REFER TO ELECTRICAL DRAWINGS FOR LOCATIONS OF EMERGENCY LIGHTING.

RCP LEGEND



OWNER: RSCCD/ SANTA ANA COLLEGE
PROJECT NAME: TEMPORARY VILLAGE PHASE 5A
 CLIENT ADDRESS: 2323 N. Broadway, Suite 112, Santa Ana, CA 92706



REVISIONS:

NO.	DESCRIPTION	DATE
1	DSA ADDENDUM 2	11/10/23

PROJECT NO: 2021-40163
DATE ISSUED: 08-31-2022
SCALE: As indicated

A40.2
THRIVE CENTER ENLARGED PLANS



6 HUTTON CENTRE DR, SUITE 1150 SANTA ANA, CA 92707
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SECTION 00 01 10

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**PROJECT MANUAL
INTRODUCTORY INFORMATION**

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Not Used.

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Not Used.

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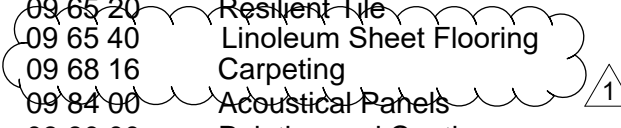
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DIVISION 10 – SPECIALTIES

Not used.

DIVISION 11 – EQUIPMENT

Not used.

DIVISION 12 – FURNISHINGS

Not used.

DIVISION 13 – SPECIAL CONSTRUCTION

Not used.

DIVISION 14 – CONVEYING EQUIPMENT

Not used.

DIVISION 21 – FIRE SUPPRESSION

Not used.

DIVISION 22 – PLUMBING

Not used.

DIVISION 23 – HEATING VENTILATING AND AIR CONDITIONING

Not used.

DIVISION 26 – ELECTRICAL

Not used

DIVISION 27 – COMMUNICATIONS

Not used.

DIVISION 28 - ELECTRONIC SAFETY AND SECURITY

Section 28 31 00 Addressable Fire-Alarm Systems

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Not used.

DIVISION 32 – EXTERIOR IMPROVEMENTS

Not used.

DIVISION 33 –UTILITIES

Not used.

APPENDIX

RSCCD PROJECT FORMS

END OF SECTION

SECTION 09 65 40
LINOLEUM SHEET FLOORING

1

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: Provide linoleum sheet flooring with accessories as required for complete installation.

1.2 SUBMITTALS

- A. Product Data: Furnish manufacturer's product literature.
- B. Samples: Submit each color and pattern selected of each type of flooring and exposed accessory.

1.3 QUALITY ASSURANCE

- A. Sustainability Requirements: Comply with CALGreen requirements including those relative to finish material pollution control for adhesives and resilient flooring.

1.4 SITE CONDITIONS

- A. Ensure floor surfaces are smooth and flat with maximum variation of 1/8" in 10'-0".
- B. Ensure concrete floors are dry and exhibit negative alkalinity, carbonizing and dusting.
- C. Maintain minimum 70-degree F air temperature at flooring installation area for 3 days prior to, during, and for 24 hours after installation.

PART 2 - PRODUCTS

2.1 SYSTEMS MANUFACTURERS

- A. Forbo Industries, Inc./Marmoleum.
- B. Armstrong Commercial Flooring/Linoleum.
- C. Tarkett/Linosom Linoleum.
- D. Substitutions: Refer to Section 01 25 00.

2.2 MATERIALS

- A. System Description: Provide linoleum sheet flooring and accessories.
- B. Regulatory Requirements, Flammability: Provide materials tested under ASTM E648, Flooring Radiant Panel Test, with results of 0.45 watts/sq cm or higher.
- C. Regulatory Requirements, Slip-Resistance:

1. Slip-Resistant Hard Surfaces: Hard surface finishes to comply with requirements of authorities having jurisdiction for slip-resistant hard surfaces, including general code requirements and requirements for access for persons with disabilities.
- D. Linoleum Sheet Flooring: Marbleized linoleum consisting of oxidized linseed oil and natural resins mixed with wood or corkflour, limestone and pigments, conforming to ASTM F2034.
 1. Physical Characteristics:
 - a. Width: Nominal 6'-6" (200 cm).
 - b. Thickness (Gage): Nominal 1/8" (0.15" or 3.2 mm).
 - c. Backing: Jute.
 2. Colors: Where color is not indicated on Drawings or Finish Schedule, provide custom color as directed by Architect.
- E. Coved Base: Flooring installation should include integral coved 6" continuous watertight protection wall base with Schluter clear anodized cap metal trim.
- F. Edge Strips: Homogeneous vinyl, rubber, or linoleum, tapered or bullnose edge.
 1. Colors: Where color is not indicated on Drawings or Finish Schedule, provide custom color as directed by Architect.
- G. Subfloor Filler: White premixed latex-cement paste designed for providing thin solid surface for leveling and minor ramping of subsurface to adjacent floor finishes.
 1. Use material capable of being applied and feathered out to adjacent floor without spalling.
- H. Primers and Adhesives: Waterproof; nontoxic types recommended by flooring manufacturer for specified material and application.
- I. Sealer and Wax: Type recommended by flooring manufacturer for material type and location.

PART 3 - EXECUTION

3.1 PREPARATION

- A. Conform to ASTM F710 and manufacturer's recommendations for preparation.
- B. Remove subfloor ridges and bumps; fill low spots, cracks, joints, holes and defects with subfloor filler.
- C. Clean floor and apply, trowel and float filler to leave smooth, flat hard surface; prohibit traffic until filler is cured.
- D. Test substrate for moisture content in accordance with flooring manufacturer recommendations; where moisture content exceeds recommendations take measures recommended by flooring manufacturer.

3.2 INSTALLATION

- A. Install linoleum sheet flooring in accordance with manufacturers' recommendations and installation instructions for type of flooring and substrates indicated.
- B. Spread cement evenly in quantity recommended by manufacturer to ensure adhesion over entire area of installation.
 - 1. Spread only enough adhesive to permit installation of flooring before initial set.
- C. Set flooring in place using methods to ensure full adhesion.
- D. Lay flooring with minimum seams, with pattern parallel to building lines to produce symmetrical pattern.
- E. Terminate resilient flooring at centerline of door openings where adjacent floor finish is dissimilar.
- F. Install edge strips at unprotected or exposed edges where flooring terminates.
- G. Scribe flooring to walls, columns, floor outlets and other appurtenances, to produce tight joints.

3.3 CLEANING

- A. Remove excess adhesive from floor, base and wall surfaces without causing damage.
- B. Clean, seal and wax floor surfaces in accordance with manufacturer's recommendations.
- C. Prohibit traffic from floor for 48 hours after installation.

END OF SECTION

SECTION 09 68 16

CARPETING

1

PART 1 - GENERAL

1.01 RELATED SECTIONS

- A. Division 0 <DELETE IF LLB DELIVERY METHOD>
- B. Construction Services Agreement <DELETE IF DBB DELIVERY METHOD>
- C. Drawings
- D. Specifications
- E. Division 3 Concrete; not the work of this section.
- F. Division 6 Wood and Plastics; not the work of this section.
- G. Division 7 Thermal and Moisture Protection; not the work of this section.
- H. Division 9 sections for floor finishes related to this section but not the work of this section.

1.02 SUBMITTALS

- A. Shop Drawings showing the extent of product, seam direction and accessories shall be submitted to Architect for approval prior to installation. Check pattern match, if any, for matching during installation and possible waste factors in ordering required amounts. Should also indicate columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required. Copy of approved shop drawings to be available on job site during installation.
- B. Floor schedule using same room designations indicated on drawings.
- C. Product Data: Provide data on specified products, describing physical and performance characteristics, sizes, patterns, colors available, and method of installation.
- D. Verification Samples: Submit samples illustrating color and pattern for each carpet material specified.
- E. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- F. Maintenance Data: Include maintenance procedures, recommendations for maintenance materials and equipment, and suggested schedule for cleaning.
- G. Manufacturer's Product Warranty.
- H. Verification of reclamation and recycling program.
- I. Certifications: Manufacturer to submit copies of the following independent laboratory reports showing compliance with requirements per these methods outlined in Part 2 of

this document. Submitted results shall represent average results for production goods of the specified style.

1. ASTM E-648 Flooring Radiant Panel
2. ASTM E-662: Smoke Density
3. AATCC 134: Electrostatic Propensity
4. CRI TM-102: Fluorine Analysis
5. ASTM D-3936: Delamination
6. Other from methods specified in Part 2

1.03 QUALITY ASSURANCE AND REGULATORY REQUIREMENTS

A. Manufacturer Qualifications

1. Company specializing in manufacturing specified carpet with minimum 15 years documented experience.
2. Upon request, manufacturer to provide representative to assist in project start-up and to inspect installation while in process and upon completion. Representative will notify designated contact if any installation instructions are not followed.
3. Single Source Responsibility: Obtain each type of product from one source and by a single manufacturer.

B. Installer Qualifications

1. Flooring contractor shall be certified by the manufacturer prior to bid.
2. Flooring contractor to be a specialty contractor normally engaged in this type of work and shall have prior experience in the installation of these types of materials.
3. Certify payment of Prevailing Wage Rates to the installers.
4. Flooring contractor possessing Contract for the product installation shall not sub-contract the labor without written approval of the Project Manager.
5. Flooring contractor will be responsible for proper product installation, including floor testing and preparation as specified by the manufacturer and JOB CONDITIONS herein.
6. Flooring contractor to provide Owner a written installation warranty that guarantees the completed installation to be free from defects in materials and workmanship for a period of one year after job completion.

C. Performance Characteristics

1. Test reports for the following performance assurance testing to be submitted upon request. Submitted results shall represent average results for production goods of the referenced style. Requirements listed below shall be met by all products.
 - a) Flooring Radiant Panel: ASTM E-648 / NFPA 253: Class 1 (CRF: 0.45 watts/sq cm or greater)
 - b) Federal Flammability: CPSC FF 1-70: Passes
 - c) Smoke Density: ASTM E-662 / NFPA 258: < 450 Flaming Mode
 - d) Electrostatic Propensity: AATCC 134 (Step & Scuff): 3.0 kV or less
 - e) Static Coefficient of Friction: ASTM C-1028: Passes ADA Requirements for Accessible Routes (minimum 0.60)

- f) Delamination of Secondary Backing of Pile Floor Coverings: ASTM D-3936: No Delamination
- g) Lightfastness: AATCC 16E: > 4 @ 100 hours
- h) TARR: Severe Traffic: 3.5 minimum
- i) Moisture Barrier: Moisture Penetration by Impact @ 10 psi: No penetration of backing and seam after 10,000 impacts
- j) Air Flow Barrier: Air Permeability of Textile Fabrics: No Air Flow (0.0 cu. ft/min) through backing and seam
- k) Seam Integrity: Seam to remain intact after 50,000 cycles per Phillips Chair Test
- l) Other: As specified in this document

D. NSF 140 Certification

1. Product shall be certified at the Gold level to ANSI standard NSF 140, the Sustainable Carpet Assessment Standard (SCAS). Product certification shall be conducted by an independent, third party organization such as Scientific Certification Systems. Provide documentation.

1.04 RECYCLABILITY

A. Recycled Content

1. Product shall contain a minimum of 7% recycled content by weight. This percentage is calculated by dividing the weight of recycled content in one square yard of finished carpet by the total weight of one square yard of finished product and multiplying by 100. $[(\text{Recycle Content Weight}) / (\text{Total Product Weight}) \times 100]$.
2. Product shall contain 7% post-consumer recycled content by weight from recycled post consumer carpet. This ensures that carpet is diverted from landfills for the production of the product and that virgin resource use in the product is reduced.
3. Recycled content shall be certified by a neutral, independent, third party organization such as Scientific Certification Systems. Product shall carry product label certifying overall recycled content (including post-industrial and post-consumer content). Report percentage of post-industrial and post-consumer recycled content as a percentage of total product weight.

B. Product Recyclability

4. Manufacturer shall fully comply with the US Federal Trade Commission's "Guides for the Use of Environmental Marketing Claims" (CFR Title 16 part 260) with respect to advertising, labeling, product inserts, catalogs and sales presentations of all its flooring products submitted and sold.
5. Product shall meet Federal Trade Commission's Guides for recyclability and shall be one hundred percent (100%) closed-loop recyclable back into flooring. A manufacturer cannot claim that a product or any portion of a product is recyclable if it is incinerated, even if incineration is used to produce heat and power (i.e. waste-to-energy) per FTC guides 16 CFR section 260.7 (d) example 3.
6. Recyclability of product installed shall be the same as that claimed by manufacturer and required by Project requirements.

C. Recycling Program

1. Manufacturer shall have a collection and recovery system for product and a fully established, currently operational recycling program at time of bid per FTC Guides Section 260.7 (d).
 - a) Manufacturer shall be able to reclaim and recycle 100% of installed carpet. Like material as installed shall be 100% recycled.
 - b) Manufacturer shall have written guarantee that 100% of the recovered vinyl backed carpet will be recycled and that no portion of the product will be land filled or incinerated (including waste-to-energy).

1.05 DELIVERY, STORAGE, & HANDLING

- A. Deliver materials to the site in manufacturer's original packaging listing manufacturer's name, product name, identification number, and related information.
- B. Store in a dry location, between 65 degrees F and 90 degrees F and a relative humidity below 65%. Protect from damage and soiling. Stack carpet rolls horizontally on a flat surface, stacked no higher than two rolls.
- C. Make stored materials available for inspection by the Owner's representative.
- D. Store materials in area of installation for minimum period of 48 hours prior to installation.

1.06 EXTRA MATERIALS

- A. Provide additional 5% for "attic stock."

1.07 WARRANTY

- A. Warranty to be sole source responsibility of the Manufacturer. Second source warranties and warranties that involve parties other than the carpet manufacturer are unacceptable.
- B. If the product fails to perform as warranted when properly installed and maintained, the affected area will be repaired or replaced at the discretion of the Manufacturer.
- C. Chair pads are not required, but are recommended for optimum textural performance. Absent the use of chair pads, more intensive maintenance will be required for areas in direct contact with chair caster traffic, and some degree of appearance change is to be expected.
- D. Warranty shall not exclude carpet product installed on stairs provided it is properly installed and maintained.
- E. The non-prorated Lifetime Limited warranty shall specifically warrant against:
 1. Excessive Surface Wear: More than 15% loss of pile fiber weight
 2. Excessive Static Electricity: More than 3.0 kV per AATCC 134
 3. Resiliency Loss of the Backing: More than 10% loss of backing resiliency
 4. Delamination
 5. Edge Ravel
 6. Zippering

F. Tuft Bind warranty in lieu of edge ravel and zippering is not acceptable.

1.08 SUBSTITUTES / ALTERNATES

- A. Subject to compliance with all requirements, "or equal" shall match the selected color(s) and have similar aesthetic appearance and recyclability.
- B. Substitution sample and submittals shall be submitted in accordance with the Contract Documents.
- C. Sample of proposed substitute shall be inclusive of both the face and proposed cushion (color-only sample not acceptable).

PART 2 - PRODUCTS

2.01 HYBRID RESILIENT SHEET FLOORING MATERIALS (CARPET)

- A. Product/Manufacturer: Tandus Centiva District Powerbond® Cushion Style sheet flooring or District approved equal.

<u>Style Pattern</u>	<u>Color</u>
Change II 03747	Velvet Underground 10812
Change II 03747	Ink Ribbon 10811
Change II 03747	Glamorous Grey 10804
03295-Box Study	36009-Abstract
03295-Box Study	36004-United
03295 Box Study	Bailiwick 36011
Color Spectrum 03343	Moon Ray 48010
Color Spectrum 03343	Energy 48005
District 03500	Urban 79012
District 03500	Avenue 79015
District 03500	Magnet 79006
Haphazard 03366	Piebald 13504
Haphazard II 03366	Particolor 13508
Haphazard II 03366	Dapple 13507
Infinity 05849	Kaleidoscope 55021
05164 Aragon	16019 Blue Shadow

- C. Construction: Stratatec® Patterned Loop
- D. Gauge: 5/64
- E. Stitch Rate: 12.0 / inch

- F. Tuft Density: 153.6 tufts/sq inch
- G. Pile Height Average: .187 inch
- H. Pile Thickness: .098 inch
- I. Density Factor (UM44D): 7,714 oz/cu yd
- J. Fiber System: Antron Lumena BCF Nylon with Static Control & Ensure
- K. Dye Method: Solution Dyed
- L. R-Value: 0.84 Hr-ft²-°F/Btu
- M. Static Coefficient of Friction: ASTM C-1028; Passes ADA requirements.
- N. Static Propensity: AATCC 134: 3.0 kv or less
- O. Flooring Radiant Panel: ASTM E-648 or NFPA 253: Class 1
- P. Acoustic Requirements: Noise Reduction Coefficient (NRC): 0.22 Minimum
- Q. Seam Integrity: No seam separation after 50,000 cycles per Phillips Chair Test
- R. Cushion Compression Force Deflection: Minimum 7 lbs/sq. inch @ 25%; Maximum 25 lbs/sq. inch at 25%
- S. Total Weight: 82.0 oz/sq yd +/- 5%
- T. Environmental Impact: No pesticides added to product (US EPA Registered Antimicrobials)
- U. Fiber
 1. Nylon Fiber: Bulked Continuous Filament (BCF) Nylon in a loop pile construction: Antron Lumena®
 2. For yarn containing recycled content, report post consumer and post industrial recycled content of the pile face yarn per total yarn weight i.e. [(Recycle Content in Pile Face Yarn) / (Total Weight of Pile Face Yarn) x 100]
 3. Fiber to contain carbon-core filament for permanent static control. Topical treatments are not acceptable.
 4. Durable stain inhibitor should be applied to the fiber during product manufacturing to resist fiber staining and soiling.: Minimum 200 ppm (CRI TM-102)
- V. Cushion Characteristics
 1. Primary Backing: Synthetic Non-Woven.
 2. Secondary Backing: Powerbond Closed Cell Cushion
 - a) Product Size: 6-Foot Width Roll Goods
 - b) Cushion Type: Closed Cell Cushion
 - c) Cushion Thickness: .156 inch thick
 - d) Cushion Density (ASTM D-1667): Min. 18.5 lbs/cu ft
 - e) Compression Set (ASTM D-1667): Maximum 10%
 - f) Compression Force Deflection (ASTM D-1667): Minimum 7 lbs/sq. inch @ 25%; Maximum 25 lbs/sq. inch at 25%

- g) Moisture Barrier: Impermeable to moisture and airflow. Moisture Penetration by Impact @ 10 psi: No penetration of backing after 10,000 impacts. Provide independent test results. The British Spill Test is NOT an acceptable measurement for moisture barrier.
- h) Seam Method: Chemical weld; molecularly bound seams to be impermeable to moisture and airflow
- i) Seam Integrity: Moisture Penetration by Impact at SEAMS @ 10 psi; No penetration after 10,000 impacts. Provide independent test results. The British Spill Test is NOT an acceptable measurement for moisture barrier.
- j) Seam Integrity: Phillips Chairs Test: No seam separation after 50,000 cycles; Provide independent test results
- k) Face yarn fully fused to secondary backing system that will not delaminate
- l) Delamination: No delamination per ASTM D3936
- m) Product shall not contain pesticides (US EPA Registered Antimicrobials). Installation adhesives are exempt from this section.

2.02 PERMANENT ENTRY FLOORING (WALK-OFF MATTS)

A. Product/Manufacturer: Tandus Centiva Geo Tile or District approved equal

- 1. Size: 18" x 18" tile
- 2. Fiber type: 100% solutions dyed
- 3. Yarn type: 100% Premium Polypropylene
- 4. Construction: Molded Reinforced Needlepunch Textile
- 5. Pile heights average: 0.250 inch (ASTM D-418, Sec. 12)
- 6. Texture/Pattern: Rubber Reinforced Geometric Pattern
- 7. Surface Flammability: Passes CPSC FF 1-70
- 8. Flooring Radiant Panel: Class 2 (mean ave. CRF: 0.22 w/sq cm to 0.44 w/sq cm (ASTM E-648)

B. Color: 00154 Charcoal (available locally), currently available from Tandus Centiva.

2.03 ACCESSORIES

- A. Materials recommended by Manufacturer for patching, priming, seam welding, etc.
- B. Provide metal edge strips of width shown on the drawings and of required thickness to protect exposed edges of the flooring. Provide units of maximum available length to minimize the number of joints. Use butt-type metal edge strips for concealed anchorage, or overlap-type metal edge strips for exposed anchorage. Unless otherwise shown, provide strips made of extruded aluminum with a mill finish.
- C. Base, Carpet Edge, and Transition Strips: As specified in applicable sections.

PART 3 - EXECUTION EXAMINATION / PREPARATION

- A. Prepare sub-floor to comply with criteria established in Manufacturer's installation instructions. Use only preparation materials that are acceptable to the Manufacturer.
 - 1. Remove all deleterious substances from substrate(s) that would interfere with or be harmful to the installation (i.e. floor wax).
 - 2. Remove sub-floor ridges and bumps. Fill cracks, joints, holes, and other defects.
- B. Verify that sub-floor is smooth and flat within specified tolerances and ready to receive carpet.
- D. Verify that substrate surface is dust-free and free of substances that would impair bonding of product to the floor.
- E. Verify that concrete surfaces are ready for installation by conducting moisture and pH testing. Results shall be within limits recommended by Manufacturer.
 - 1. Powerbond Cushion installations utilizing #54 Seam Weld or C-XL Water Based Seam Sealer do not require moisture vapor emission rate (MVER) testing nor relative humidity (RH) testing provided that no free liquids are present and that no moisture stained concrete is evident. pH testing is required for all Powerbond Cushion installations as detailed below. In the event that free liquids and/or moisture stained concrete are observed, a full assessment of the concrete substrate is required. This assessment includes MVER testing per ASTM F-1869-04 (Standard Test Method for Measuring Moisture Emission Rate of Concrete) and In-Situ RH testing per ASTM F-2170-02 (Standard Test Method for Measuring Relative Humidity in Concrete). For assistance with installations that require MVER and RH testing, please contact Tandus Centiva's Installation Services at 800-241-4902, ext. 2625, 2623, 2129, 2023 or 2670. In cases where such testing is mandated, Tandus Centiva requires that at least 1 MVER and 2 RH tests be performed on the initial 1000 sq ft of each project. In addition, a minimum of one test, alternating between MVER and RH, per 1000 sq ft is required for the balance of the project. The required pH range is 9.0 or less as tested according to ASTM F-710-05. Preparing the surface of a concrete slab for pH testing requires the following attention to detail. Make sure the concrete surface is adequately cleaned of any adhesives, primers, curing compounds, surface contaminants, etc. Exercise care not to over clean the surface of the concrete removing the thin layer of carbonation. This can result in higher, non-responsive pH readings. Slightly wet the concrete sub floor surface with a small amount of distilled water and allow the water to stand for one minute. Apply pH test paper to the wet concrete surface and allow the pH test paper to remain in contact with the wet area for one minute. The pH test paper will change color depending on the pH of the wetted surface and a color scale is provided with the pH test papers for comparison. Note: pH test paper commonly supplied in MVER test kits only measures up to a pH of 12 accurately. Please see Powerbond Cushion Installation & Floor Preparation Instructions for specific requirements for moisture vapor emission rate, ambient conditions, and other requirements.
- F. All material used in sub-floor preparation and repair shall be recommended by the carpet manufacturer and shall be chemically and physically compatible with the carpet system being bid.
- G. Maintain minimum 65 degrees F ambient temperature and 65% Relative Humidity for 72 hours prior to, during, and 48 hours after installation.
- H. Do not install flooring until space is enclosed and weatherproof, wet-work in space is completed and nominally dry, work above ceilings is complete, and ambient

temperature and humidity conditions are and will be continuously maintained at values near those indicated for final occupancy.

- I. There will be no exceptions to the provisions stated in the Manufacturer's installation instructions.

3.02 INSTALLATION - GENERAL

- A. Install product in accordance with Manufacturer's installation instructions. Product shall have low VOC, factory applied, "dry" adhesive. A peel & stick method applied to the back at the time of manufacture is preferred. Product shall meet the requirements of CRI's Green Label Plus (GLP) program for carpet. Provide documentation.
- B. Adhesive shall meet the requirements of CRI's Green Label Plus program for adhesive. Provide documentation.
- C. Adhesives shall be below the VOC content limits specified by the South Coast Air Quality Management District Rule #1168. Provide documentation.
- D. No US EPA registered pesticides (antimicrobials) are to be added to the product. Antimicrobial treatments are registered with the EPA as preservatives of the products only, and no health benefit should be claimed or expected. If antimicrobials are added, then third party documentation with a seal is required stating that the pesticides used will cause NO HARM to the occupants. Installation adhesives are exempt from this section.
- E. Product as installed to be securely attached to the floor in compliance with Americans with Disabilities Act (ADA), Section 4.5.3.
- F. Verify product match before cutting to ensure minimal variation between dye lots.
- G. Layout product and locate seams in accordance with shop drawings.
 1. Locate seams in area of least traffic, out of areas of pivoting traffic, and parallel to main traffic. Minimize cross seams.
 2. Do not locate seams perpendicular through door openings.
 3. Align run of pile in same direction as anticipated traffic and in same direction on adjacent pieces.
 4. Locate change of color or pattern between rooms under door centerline.
 5. Provide monolithic color, pattern, and texture match within any one area.
- H. Install product tight and flat on sub-floor, well-fastened at edges, with a uniform appearance.
- I. Double-cut product seams with accurate pattern match. Make cuts <<<straight>>> <<<serpentine>>>, true, and unfrayed.
- J. Seal seams with manufacturer's recommended seam sealer as stated in installation instructions. Make sure the seam is fully sealed.
- K. Roll with appropriate roller for complete contact of product with adhesive to sub-floor.
- L. Trim carpet neatly at walls and around interruptions.
- M. Completed product is to be smooth and free of bubbles, puckers, and other defects.

- N. To ensure asbestos enclosure, the carpet material should be sealed around the perimeter of the installation using a one-inch strip of contact adhesive spread directly underneath the outer edge of the product.

3.03 INSTALLATION OF PERMANENT ENTRY FLOORING

A. Installation Method – Carpet

- 1. The Geotile material shall be cut net/net to carpet material and a permanent reducer shall be used at the threshold point.

B. Installation Method – Hard Surface

- 1. The Geotile material shall be cut with the leading edge adhered to sub-flooring with a waterproof adhesive.
- 2. Permanent reducer shall be used at leading edge of Geotile in compliance with ADA Guidelines.
- 3. Permanent reducer shall be installed at threshold point.

3.03 PROTECTION & CLEANING

- A. Remove excess adhesive and/or seam sealer from floor and wall surfaces without damage.
- B. All rubbish, wrappings, debris, trimmings, etc. to be removed from site and recycled or disposed of properly.
- C. Clean and vacuum surfaces using a beater brush/bar commercial vacuum.
- D. After each area of is installed, protect from soiling and damage by other trades.

END OF SECTION