

ADDENDUM TO THE CONTRACT DOCUMENTS

	ADDENDUM NO. 002
	Project: Solano Community College District Building 1600 Modernization Project Project Number: 25-009
	Date: July 12, 2024

Addendum No. 002 – The following clarifications are provided and must be added/considered when completing your bid: Acknowledgement of receipt of this **Addendum No. 002**, is required on the Bid Form. Please clearly note the addendum date and number.

1. GENERAL

ITEM NO. 1.1: ROOM LAYOUT
Revise: Room 1633 and Room 1634 merged to one new Room 1633 – Classroom

2. SPECIFICATIONS

ITEM NO. 2.1: SECTION 00 01 20 LIST OF SCHEDULES
Revise: Corrected year on completion date to “2025”.

ITEM NO. 2.2: SECTION 06 41 16 PLASTIC-LAMINATED-CLAD ARCHITECTURAL CABINETS
Add: Specification section 06 41 16 Part 2-2.4, I, 1. text “3L Series Deadbolt, Grade 1, stainless steel bolt.” per attachment
Add: Specification section 06 41 16 Part 2-2.7, D. in its entirety per attachment
Add: Specification section 06 41 16 Part 3-3.7, A. in its entirety per attachment

ITEM NO. 2.3: SECTION 08 71 00 DOOR HARDWARE
Replace: Specification section in its entirety per attachment.

ITEM NO. 2.4: SECTION 09 65 19 RESILIENT TILE FLOORING
Revise: Specification section 09 65 19 Part 2-2.2, text “LVT-2, LVT-3” to read as “LVT-3, LVT-4” per attachment
Revise: Specification section 09 65 19 Part 2-2.2, A, 1, a. text “Tarkett; iD Latitude Abstract” to read as “Flexco Floors, Natural Elements” per attachment

Revise: Specification section 09 65 19 Part 2-2.2, G, text “6 by 36 inches (152 by 915mm)” to read as “1. LVT 3: 6 by 48 inches. 2. LVT 4: 18 by 18 inches” per attachment

Revise: Specification section 09 65 19 Part 2-2.3, text “LVT-1” to read as “LVT-1, LVT-2” per attachment

ITEM NO. 2.5:

SECTION 09 68 13 TILE CARPETING

Revise: Specification section 09 68 13 Part 2-2.4, A, text “1. Tarkett; Aftermath II” to read as “Tarkett; a. CT-1: Continuum. b. CT-2: Halftone. c. CT-3: Metri II” per attachment

Revise: Specification section 09 68 13 Part 2-2.4, C, 2, text “8.5” to read as “9.5-10” per attachment

Revise: Specification section 09 68 13 Part 2-2.4, C, 4, text “0.08” (2.06mm)” to read as “a. Continuum: 0.065” (1.65mm). b. Halftone: 0.095” (2.39mm). c. Metri II: 0.120” (3.10mm)” per attachment

DRAWINGS

ARCHITECTURAL

ITEM NO. 2.6:

SHEET T1 - TITLE SHEET

Revise: Title from “DSA Submittal” to “Construction Document” per attached sheet AD2-T1

Revise: Drawing Index per attached sheet AD2-T1.

ITEM NO. 2.7:

SHEET A0.04 – EXIT ANALYSIS AND BUILDING CODE ANALYSIS

Revise: Exit analysis for room 1633 per attached sheet AD2-A0.04

Delete: Exit analysis for room 1634 per attached sheet AD2-A0.04

Revise: Building area analysis actual floor area per attached sheet AD2-A0.04

ITEM NO. 2.8:

SHEET A1.01 – ENLARGED DEMO SITE PLAN

Revise: Keynote 02.515 to keynote 02.517 to read: “Disconnect power supply and demo (e) accessible door actuator. Actuator to be replaced, enlarged new site plan on AD2-A1.02” per attached sheet AD2-A1.02

ITEM NO. 2.9:

SHEET A1.02 – ENLARGED NEW SITE PLAN

Add: Detail 2 – “Hi/Lo automatic door actuator switch mounted on bollard” as shown per attached sheet AD2-A1.02.

Revise: Keynote 10.065 to read “Hi/Lo automatic door actuator switch mounted on bollard, model BPG6SPV from Security Door Controls or approved equal. Paint to match canopy aluminum fascia and soffit. See detail 2/AD2-A1.02” as shown per attached sheet AD2-A1.02.

ITEM NO. 2.10:

SHEET AD2 – A2.01 – DEMO FLOOR PLAN

Revise: Keynote 02.675 to 02.682 in room 1633 to read: “Remove (e) projector screen and turn to district” as shown per attached sheet AD2-A2.01

Revise: Keynote 02.706 to 02.742 in room 1633 to read: “Remove and salvage (e) tack panel, reinstall per new plan” as shown per attached sheet AD2-A2.01

Revise: Casework and wall demo scope in room 1633 as shown per attached sheet AD2-A2.01

Revise: Keynote 02.698 to 02.709 in room 1634 as shown per attached sheet AD2-A2.01

Add: Keynote 02.743 to room 1602, 1609, 1625, 1626, 1643, 1644, 1645, and 1646 to read: "Demo all wall finish and gyp board in the room" as shown per attached sheet AD2-A2.01

Revise: Wall layout on grid 6 between grid E and D as shown per attached sheet AD2-A2.01

ITEM NO. 2.11:

SHEET A3.01 – NEW FLOOR PLAN

Add: General Note : " All interior and exterior doors to receive electronic door hardware U.O.N. See door schedule, electrical and technology drawings." as shown per attached sheet AD2-A3.01

Revise: Overall scope of merge Classroom 1633 and 1634 to one new classroom 1633 as shown per attached sheet AD2-A3.01

Revise: Wall layout on grid 6 between grid E and D as shown per attached sheet AD2-A3.01

ITEM NO. 2.12:

SHEET A3.02 – NEW FINISH FLOORING PLAN

Revise: Overall scope : Merge Classroom 1633 and 1634 to one new classroom 1633 as shown per attached sheet AD2-A3.02

Revise: Wall layout on grid 6 between grid E and D as shown per attached sheet AD2-A3.02

Revise: Finish legend LVT-3 to read: "Luxury Vinyl tile. To be installed prior to lockers installation U.O.N. where it applies." as shown per attached sheet AD2-A3.02

Revise: Wall layout on grid 6 between grid E and D as shown per attached sheet AD2-A3.02

ITEM NO. 2.13:

SHEET A4.00 – DEMO REFLECTED CEILING PLAN

Revise: Ceiling, wall and soffit demo scope in room 1634 and 1642

Revise: Graphic key for (E) 2'-0" x 4'-0" "T" bar ceiling system per attached sheet AD2-A4.00.

Revise: Wall layout on grid 6 between grid E and D as shown per attached sheet AD2-A4.00

ITEM NO. 2.14:

SHEET A4.01 – NEW REFLECTED CEILING PLAN

Delete: Graphic key for (N) 2'-0" x 4'-0" A.C.T. ceiling tiles with (e) ceiling grid per attached sheet AD2-A4.02.

Revise: Graphic key for (N) 2'-0" x 4'-0" A.C.T. ceiling tiles with (n) ceiling grid per attached sheet AD2-A4.01.

Revise: (N) ceiling scope in room 1625, 1626, 1633, 1635, 1638 and 1642 per attached sheet AD2-A4.01.

ITEM NO. 2.15:

SHEET A5.03 – ENLARGED CANOPY

Revise: Elevation 2 – "Enlarged canopy elevation – east" per attached Sheet AD2-A5.03.

ITEM NO. 2.16:

SHEET A8.12 – ROOF DETAILS

Revise: Detail 4 – "Cosmetology sign attachment" as shown per attached sheet AD2-A8.12.

ITEM NO. 2.17:

SHEET A10.01 – OPENING SCHEDULE, TYPES & DETAILS

Revise: (E) door schedule as shown per attached sheet AD2-A10.01.

Revise: Door schedule as shown per attached sheet AD2-A10.01.

ITEM NO. 2.18:

SHEET A11.01 – FINISH SCHEDULE, LEGEND & DETAILS

Revise: Floor finish for room 1633 to read: "LVT-3" in Finish schedule as shown per attached sheet AD2-A11.01.

Revise: Finish Legend as shown per attached sheet AD2.-A9.01.

ITEM NO. 2.19:

SHEET A11.10 – CASEWORK SCHEDULE & DETAILS

Add: Note 6 – "No internal mullion for all caseworks U.O.N.", note 7- "2/4 of tall casework in room 1633 to be lockable" and note 8- "Refer to spec for casework lock system" under casework general notes as shown per attached sheet AD2-A11.10.

Revise: Casework info for C-7, C-11, C-14a, C-16a, C-20 and C-21 in casework schedule as shown per attached sheet AD2-A11.10.

Revise: Casework type name from "C-11" with woodwork institute casework series # 176 to "C-10" in casework schedule as shown per attached sheet AD2-A11.10.

Delete: Casework C-4(E), C-8(E), C-16, C-22(E), C-23(E), C-24(E) and C-25(E) in casework schedule as shown per attached sheet AD2-A11.10.

Add: Casework C-27, C-39, C-40, C-40a, C-41, C-43, C-44, C-45, C-46 and C-47 to the casework schedule as shown per attached sheet AD2-A11.10.

Revise: Finish Tags from "PL-3" to read:" PL-1" in Elevations 3 – "Lobby reception desk – floor plan & elevations – A, B, C and D" as shown in attached sheet AD2-A11.10

Add: Vinyl sheet pattern in Elevations 3 – "Lobby reception desk – floor plan & elevations – Elevation D" as shown in attached sheet AD2-A11.10

Revise: Annotation to read:" Under cabinet light. Where it applies. S.E.D." in Detail 6 – "Upper cabinet valance detail" as shown in attached sheet AD2-A11.10

ITEM NO. 2.20:

SHEET A12.01– INTERIOR ELEVATIONS

Revise: Casework Tag from "C-16" to read:" C-16a" in Elevations 2 – "1602 – Lobby – West"

Revise: Finish legend PL-3 to read: "Plastic Laminate 3"

Add: Finish legend PI-5 to read: "Interior paint accent 3"

ITEM NO. 2.21:

SHEET A12.02 – INTERIOR ELEVATIONS

Revise: Casework Tag from "C-11" to read:" C-10" in Elevations 6 – "1607 – Salon Workroom – West"

Revise: Finish Tags from "FRL" to read:" PL-2" in Elevations 5 – "1605 – Salon – Shampoo stations – East"

Revise: Finish Tags from "FRL" to read:" PL-2" in Elevations 5 – "1605 – Salon – Shampoo stations – West"

Revise: Finish Tag from "PL-2" to read:" PI-1" in Elevations 5 – "1605 – Salon – Shampoo stations – West"

Revise: Finish legend PL-3 to read: "Plastic Laminate 3"

Add: Finish legend PI-5 to read: "Interior paint accent 3"

ITEM NO. 2.22:

SHEET A12.03 – INTERIOR ELEVATIONS

Revise: Casework Tags from "C-14a" to read:" C-11" in Elevations 1 – "1611 – Esthetics – North" as shown in attached sheet AD2-A12.03.

Revise: Finish Tags as shown in attached sheet AD2-A12.03.

Add: Finish Tags as shown in attached sheet AD2-A12.03.
Revise: Elevations 2 – “1625 – Classroom – North” as shown on attached sheet AD2-A12.03
Revise: Finish legend PL-3 to read: “Plastic Laminate 3” as shown on attached sheet AD2-A12.03
Add: Finish legend PI-5 to read: “Interior paint accent 3” as shown on attached sheet AD2-A12.03

ITEM NO. 2.23:

SHEET A12.04 – INTERIOR ELEVATIONS

Remove: Elevations 2 – “1634 - Classroom” as shown on attached sheet AD2-A12.04
Revise: Elevations 1 – “1633 – Classroom” as shown on attached sheet AD2-A12.04
Revise: Elevations 3 – “1635 – Classroom – South” as shown on attached sheet AD2-A12.04
Revise: Finish legend PL-3 to read: “Plastic Laminate 3” as shown on attached sheet AD2-A12.04
Add: Finish legend PI-5 to read: “Interior paint accent 3” as shown on attached sheet AD2-A12.04

ITEM NO. 2.24:

SHEET A12.05 – INTERIOR ELEVATIONS

Revise: Finish legend PL-3 to read: “Plastic Laminate 3”
Add: Finish legend PI-5 to read: “Interior paint accent 3”

STRUCTURAL

ITEM NO. 2.25:

SHEET M3.01 – MECHANICAL FLOOR PLAN

Revise: Ductwork and diffusers adjusted to be more conducive to single classroom layout

ITEM NO. 2.26:

SHEET S6.02 – CANOPY DETAILS

Revise: Detail 11 as shown on attached sheet AD2-S6.02

MECHANICAL

ITEM NO. 2.27:

SHEET M3.01 – MECHANICAL FLOOR PLAN

Revise: Ductwork and diffusers adjusted to be more conducive to single classroom layout

ELECTRICAL

ITEM NO. 2.28:

SHEET E3.01 – ELECTRICAL FIRST FLOOR POWER PLAN

Add: Power to door controllers. Added existing and new receptacles in new scope area 1633 & 1634.

ITEM NO. 2.29:

SHEET E3.02 – ELECTRICAL FIRST FLOOR LIGHTING PLAN

Revise: Lighting fixture layout in classroom 1633 & 1634

FIRE ALARM

ITEM NO. 2.30:

SHEET FA0.01 – FIRE ALARM LEGEND AND NOTES

Revise: The quantities of the smoke and heat detectors in the fire alarm device legend.

ITEM NO. 2.31:

SHEET FA3.01 – FIRE ALARM CEILING PLAN

Revise: Removed smoke and heat detectors to accommodate the new room layout

ITEM NO. 2.32:

SHEET FA4.01 – FIRE ALARM RISER DIAGRAM

Revise: Removed smoke and heat detectors from the riser diagram and updated appliance addressing.

ITEM NO. 2.33:

SHEET FA5.00 – FIRE ALARM CALCULATIONS

Revise: Panel P1 (EST4 assembly) battery calculation and P1 N5 point-to-point report

TECHNOLOGY

ITEM NO. 2.34:

SHEET T0.01 – TECHNOLOGY ABBREVIATIONS, AND SYMBOL LEGEND

Revise: Updated door hardware spec and added door/intrusion hardware

ITEM NO. 2.35:

SHEET T1.01 – TECHNOLOGY SITE PLAN

Revise: Updated Site Plan to demo existing 100-Pair cooper feed and re-feed new 25-pair from new IDF to existing IDF

ITEM NO. 2.36:

SHEET T3.01 – TECHNOLOGY FLOOR PLAN

Revise: Called out all doors/gateways that need to be hardwired and/or have data drops.

ITEM NO. 2.37:

SHEET T3.10 – TECHNOLOGY ENLARGED IDF FLOOR PLAN AND RACK ELEVATION

Revise: Per District Standards, added Wire Manager and Distribution Bar with 2 each 220VAC/30A (L5-R30) Dedicated and 1 each 120VAC/20A Dedicated.

ITEM NO. 2.38:

SHEET T4.01 – TECHNOLOGY ONE-LINES

Revise: Per District Standards, updated One-Line diagram with Protector Block, fused and 66-Block at both existing MDF and new IDF. Added new 25-Pair from new IDF to existing IDF.

ITEM NO. 2.39:

SHEET T9.02 – TECHNOLOGY DETAILS

Revise: Per District Standards, updated horizontal cable labels to only label room and outlet number. Data cabinet label was removed

3.

RESPONSES TO QUESTIONS SUBMITTED

ITEM NO. 3.1:

Question No.01

Question:

Good afternoon during the walk I heard that the T-bar will be saved in place during the demo. I was concerned for all that ducting that must come out and the time it would take to not damage the T-bar and pull out the ducting. Are you sure you want to save the T-bar and spend time and money trying to remove the ducting and also having some install the new system will be a pain with the T-bar still in place?

Response:

All suspended ceiling, including the T-bar to be demolished and replaced with new. See attached AD2 – A4.00 Demo reflected ceiling plan

ITEM NO. 3.2:

Question No.02

Question:

In the current janitor's closet, there is a 100-pair copper feed cable that I believe not only serves 1600 but also ties to 200. Is that moving/staying?

Response:

Existing 100-pair copper feed cable is to be demo'd and new 1 each 25-pair to be re-feed from the New IDF at Bldg 1600 to Existing IDF at Bldg 200. See attached sheet AD2 – T1.01 technology site plan

ITEM NO. 3.3:

Question No.03

Question:

In the specifications, it states "Gemini" as a provider of the exterior lettersets (attached) however, Gemini does not cast letters that are galvanized. Please advise.

2.2 DIMENSIONAL CHARACTERS

A. Cast Characters: Characters with uniform faces, sharp corners, and precisely formed lines and profiles, and as follows:

1. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
 - a. A.R.K. Ramos.
 - b. ASI Sign Systems, Inc.
 - c. Gemini Signage; Gemini, Inc.
2. Character Material: Cast aluminum.
3. Character Height: As indicated on Drawings.
4. Thickness: Manufacturer's standard for size of character.
5. Finishes:
 - a. Integral Aluminum Finish: Anodized color as selected by Architect from full range of industry colors and color densities.
 - b. Baked-Enamel or Powder-Coat Finish: Manufacturer's standard, in color as selected by Architect from manufacturer's full range.

Response:

Refer to spec section for finish. See revised sheet AD2 – A5.03
Enlarged canopy

ITEM NO. 3.4:**Question No.04****Question:**

The highlighted materials listed on the below finish schedule A11.01 do not match the materials listed in the Spec Sections 096519 and 096813. What flooring products are we using to bid this project?

FINISH LEGEND

MARK	DESCRIPTION	MFR. / BRAND	COLOR / FINISH	COMMENTS
ACB-1	ACOUSTIC BOARD	KNAUF INSULATION	BLACK	2" THICK
ACT-1	2'-0" x 4'-0" ACOUSTICAL CEILING TILES	USG	MILLENNIA CLIMAX PLUS ILLUSION #78780	
ALU-1	ALUMINUM SOFFIT AND FACIAL PANELS	DRI-DESIGN	EN-V A50 SERIES CLASSIC BRONZE 5001	
B-1	4" RUBBER TOP SET BASE	BURKE MERCER	DARK GRAY	
B-2	6" x 6" SANITARY TILE COVE BASE	DALTILE	ARTIC WHITE 0190 # S3619	
B.O.S.	OPEN TO BOTTOM OF STRUCTURE			
C-1	SOLID EPOXY	DURCON	GRAPHITE	1" THICK
C-2	COMPOSITE ENGINEERED STONE			3/4" THICK
C-3	CORIAN		EVEREST	3/4" THICK
C-5	WOOD TOP		CLEAR MAPLE - GLOSS FINISH	
CONC	EXPOSED CONCRETE FLOOR			
CT-1	CARPET TILE	TARKETT	CONTINUUM 11328 - DEEP BLUE 31303	
CT-2	CARPET TILE	TARKETT	HALFTONE 04313 - GREYSCALE 18901	
CT-3	CARPET TILE	TARKETT	METRI II - 04654 ZUL 62117	
CT-4	WALK-OFF MAT	TARKETT	ABRESIVE ACTION II - WINTER GRAY	
FRL	FIBER REINFORCED LAMINATE			
FRP	FIBER REINFORCED PLASTIC			
GB	GYPSON BOARD			
GR-1	GROUT FLOOR AND WALLS	MAPEI - FlexColor CQ		
LVT-1	LUXURY VINYL TILE	MINERAL FLOOR - SHAW CONTRACT	STYLE ORIGIN: INHERENT 38700	5.66 X 47 TO BE INSTALLED PRIOR TO CASEWORK INSTALLATION U.O.N
LVT-2	LUXURY VINYL TILE	MINERAL FLOOR - SHAW CONTRACT	STYLE ORIGIN: OVERTURE 38760	5.66 X 47 TO BE INSTALLED PRIOR TO CASEWORK INSTALLATION U.O.N
LVT-3	LUXURY VINYL TILE	FLEXCO	NATURAL ELEMENTS: 632 DUSK	
LVT-4	LUXURY VINYL TILE	FLEXCO	NATURAL ELEMENTS: 604 GRAY ASH	

Response:

Spec sections revised. See attached Addendum #2 Spec section 096519 and 096813

ITEM NO. 3.5:**Question No.05****Question:**

Sheet S6.02 detail 11 calls for a C5x8 channel, this item is not manufactured. Standard channels are C5x6.70 and C5x9. Please confirm the correct size.

Response:

Product no longer used, see detail 11 on attached sheet AD2 – S6.02 Canopy details

ITEM NO. 3.6:**Question No.06****Question:**

Sheet S6.02 detail 11 shows the letters attached with a bolt from the backside of the channel into a threaded connection on the backside of letter. This would have the letters attached to the C5x8 channel prior to welding to the beam which would be difficult if not impossible to achieve with there being such a tight area between the backside of letter and beam. An alternate solution is required. Please advise

Response:

Revised design provided. See attached sheet AD2 – A5.03, detail 4 on sheet AD2 – A8.12 and detail 11 on attached sheet AD2 – S6.02 Canopy details

ITEM NO. 3.7:**Question No.07****Question:**

Please advise if there is a geo report for the pier footings and earthwork that needs to be done for the canopy work.

Response:

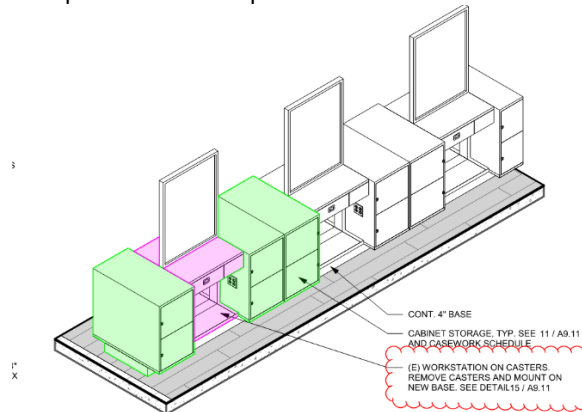
No Geotech report needs to be done for this project

ITEM NO. 3.8:

Question No.08

Question:

The Salon workstations are comprised of a mix of new and existing materials. We need to know if we have interpreted this correctly. Is the magenta area below an accurate depiction of existing materials being mounted permanently? (presently on casters) If so, is it possible to find images of these units? Should adjacent new material in green match finish exactly? Is a separate new countertop required at all these set-ups and if so, what is the material? As drawn, it looks like the cabinets have no tops, or perhaps have finished top surfaces instead of separate countertops.



10 SALON WORKSTATION - AXONOMETRIC
SCALE:

6 NAIL
SCALE

Response:

1. Yes, the magenta area below an accurate depiction of existing materials being mounted permanently.
2. Please see images below.



3. Caseworks in green is product: Portable SS Cart, SKU: 2104-18 from Collins, with stainless steel finish on all sides including the top surface.
4. Correct. The casework has no countertop, but a has a stainless-steel finish as indicated in response nr. 3.

ITEM NO. 3.9:

Request for Substitution No.01

Question: NorthClad has completed several other projects in Northern California using our crate-to-wall panel systems (which require no field cutting labor and wasted material), including educational facilities. We are requesting to be added to the specification section 074213, Aluminum Metal Plate Soffit Panels, as an approved equal for the Wall Panel System.

Response: Request for substitution approved. NorthClad manufacturer is added to the list of approved manufacturers in spec section 07 42 13.

ITEM NO. 3.10:

Request for Substitution No.02

Question: The Babymedi is ADA Compliant and includes a Biocote antimicrobial additive embedded onto its surface. Please note, our Babymedi is more cost-effective compared to what is specified. Would you please consider it as an approved equal and advise?

Response: Request for substitution approved. Babymedi manufacturer is added to the list of approved manufacturers in spec section 10 28 00.

List of Attachments:

Specs

Section 00 01 20 – List of Schedules
Section 06 41 16 – Plastic Laminate Clad Architectural Cabinets
Section 08 71 00 – Door Hardware
Section 09 65 19 – Resilient Tile Flooring
Section 09 68 13 – Tile Carpeting

Drawing sheets

AD2 - T1 – TITLE SHEET
AD2 - A0.04 – EXIT ANALYSIS AND BUILDING CODE ANALYSIS
AD2 – A1.01 – ENLARGED DEMO SITE PLAN
AD2 – A1.02 – ENLARGED NEW SITE PLAN
AD2 - A2.01 – DEMO FLOOR PLAN
AD2 - A3.01 – NEW FLOOR PLAN
AD2 - A3.02 – NEW FINISH FLOORING PLAN
AD2 - A4.00 – DEMO REFLECTED CEILING PLAN
AD2 - A4.01 – NEW REFLECTED CEILING PLAN
AD2 - A5.03 – ENLARGED CANOPY
AD2 - A8.12 – ROOF DETAILS
AD2 - A10.01 – OPENING SCHEDULE, TYPES & DETAILS
AD2 - A11.01 – FINISH SCHEDULE, LEGEND & DETAILS
AD2 - A11.10 – CASEWORK SCHEDULE & DETAILS
AD2 - A12.03 – INTERIOR ELEVATIONS
AD2 - A12.04 – INTERIOR ELEVATIONS
AD2 – S6.02 – CANOPY DETAILS

AD2 – M3.01 – MECHANICAL FLOOR PLAN
AD2 – E3.01 – ELECTRICAL FIRST FLOOR POWER PLAN
AD2 – E3.02 – ELECTRICAL FIRST FLOOR LIGHTING PLAN
AD2 – FA0.01 – FIRE ALARM LEGEND AND NOTES
AD2 – FA3.01– FIRE ALARM CEILING PLAN
AD2 – FA4.01 – FIRE ALARM RISER DIAGRAM
AD2 – FA3.01– FIRE ALARM CALCULATIONS
AD2 – T0.01 – TECHNOLOGY ABBREVIATIONS, AND SYMBOL LEGEND
AD2 – T1.01 – TECHNOLOGY SITE PLAN
AD2 – T3.01 – TECHNOLOGY FLOOR PLAN
AD2 – T3.10 – TECHNOLOGY ENLARGED IDF FLOOR PLAN AND RACK
AD2 – T4.01 – TECHNOLOGY ONE-LINES
AD2 – T9.02 – TECHNOLOGY DETAILS

END OF DOCUMENT

DOCUMENT 00 01 20

LIST OF SCHEDULES

BID PHASE SCHEDULE

- Non-Mandatory Pre-Bid Conference: Thursday, June 13th, 2024, 1:00 pm.
 - **Interested Parties need to register through the following link.**
[REGISTER HERE]
<https://events.teams.microsoft.com/event/1e225f03-6111-4a9e-80c6-d04fff55a4c0@dc5d168e-14e5-44b1-99ae-b7984aa29306>
- **Mandatory** Job Walk: Tuesday, June 18th, 2024, 11:00am.
 - Meeting location will be Building 1600 on the Fairfield Campus (Project Site).
- Last date to submit questions to Noe.Ramos@Solano.edu : By Wednesday, July 3rd, 2024, 2:00pm.
- Last addendum will be issued: ~~By Wednesday, July 10th, 2024, 2:00pm.~~ By Wednesday, July 12th, 2024, 2:00pm.
- **BIDS DUE:** ~~By Thursday, July 18th, 2024, 2:00pm.~~ By Thursday, July 25th, 2024 by 2:00pm.
- **Mandatory Post Bid Interview:** ~~Friday, July 19th, 2024, Time TBD.~~ Friday, July 19th, 2024, Time TBD.
- Solano Community College Board of Trustees Approval: Wednesday, August 7th, 2024
- Notice of Award: Anticipated by Thursday, August 8th, 2024.
- Notice to Proceed: Anticipated by Monday, August 26th, 2024.

CONSTRUCTION SCHEDULE

- **Overall Project Duration:** August 26, 2024 – May 30th, 2024 ~~2024~~ 2025
 - Owner Move-Out: Complete by August 26th, 2024.
 - Owner Move-In: Starting June 2nd, 2025.

END OF DOCUMENT

SECTION 064116 - PLASTIC-LAMINATE-CLAD ARCHITECTURAL CABINETS

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:

- 1. Plastic-laminate-clad architectural cabinets.
 - a. Cabinet hardware and accessories.
 - b. Wood furring, blocking, shims, and hanging strips for installing plastic-laminate-clad architectural cabinets that are not concealed within other construction.
- 2. Solid-surface countertops.
- 3. Quartz countertops.
- 4. Epoxy-resin countertops.

- B. Related Requirements:

- 1. Section 061000 "Rough Carpentry" for wood furring, blocking, shims, and hanging strips required for installing cabinets that are concealed within other construction before cabinet installation.

1.3 REFERENCES

- A. The North American Architectural Woodwork Standards (NAAWS), latest edition. Jointly published by Woodwork Institute and the Architectural Woodwork Manufacturers Association of Canada.

1.4 COORDINATION

- A. Coordinate sizes and locations of framing, blocking, furring, reinforcements, and other related units of Work specified in other Sections to support loads imposed by installed and fully loaded cabinets.

1.5 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.

1.6 ACTION SUBMITTALS

- A. Product Data: Submit manufacturer's standard specifications for the following:

1. Quartz countertops.
2. Solid-surface countertops.
3. Epoxy-resin countertops.
4. Cabinet hardware.
5. FSC Certified 100% post-industrial recycled particleboard.
6. Greenguard certified adhesives indicating compliance with requirements for low-emitting materials.

- B. Sustainable Design Submittals:

1. Laboratory Test Reports: For composite wood products, indicating compliance with requirements for low-emitting materials.

- C. Shop Drawings:

1. Indicate casework types, sizes and locations
2. Include plans, elevations, sections, and attachment details.
3. Show large-scale details.
4. Show locations and sizes of furring, blocking, and hanging strips, including concealed blocking and reinforcement specified in other Sections.
5. Show tolerances, clearances required and utility connections, if any.
6. Include coordinated information for laboratory equipment specified in another section and/or furnished by Owner.
7. Show locations and sizes of cutouts and holes for items installed in plastic-laminate architectural cabinets.
8. Furnish a Woodwork Institute Certified Compliance Label on the first page of the shop drawings.

- D. Samples: For each exposed product and for each color and texture specified.

1. Plastic Laminates: 8 by 10 inches (200 by 250 mm), for each type, color, pattern, and surface finish required.
 - a. Provide one sample applied to core material with specified edge material applied to one edge.
2. Quartz Countertops: 4 by 4 inches, for each type, color, pattern, and surface finish required.

3. Epoxy-resin Countertops: 4 by 4 inches, for each type, color, pattern, and surface finish required.
4. Solid Surface Countertops: 4 by 4 inches, for each type, color, pattern, and surface finish required.
5. Thermally Fused Laminate (TFL) Panels: **8 by 10 inches (200 by 250 mm)**, for each color, pattern, and surface finish.
 - a. Provide edge banding on one edge.
6. Corner Pieces:
 - a. Cabinet-front frame joints between stiles and rails and at exposed end pieces, **18 inches (450 mm)** high by **18 inches (450 mm)** wide by **6 inches (150 mm)** deep.
 - b. Miter joints for standing trim.
7. Exposed Cabinet Hardware and Accessories: One full-size unit for each type and finish.

1.7 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For manufacturer.
- B. Product Certificates: Woodwork Institute Certificates. Certificates shall warrant that the cabinets meet all requirements for Woodwork Institute “Custom Grade”. Submit certificates at project close out.
- C. Field quality-control reports.
- D. Test Reports: From independent laboratory indicating compliance with referenced chemical-resistance standards for cabinet finish and liner materials.
- E. Maintenance Data: Manufacturer’s recommendations for care and cleaning
- F. Finish touch-up kit for each type and color of materials provided

1.8 CLOSEOUT SUBMITTALS

- A. Quality Standard Compliance Certificates: WI Certified Compliance Program certificates.

1.9 QUALITY ASSURANCE

- A. Verification of compliance with Cal Green requirements for composite wood products shall include documentation of at least one of the following as requested by the enforcing agency:
 1. Product certifications and specifications

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2. Chain of custody certifications
3. Product labeled and invoiced as meeting the Composite Wood Products regulation (CCR Title 17, Section 93120)

B. Manufacturer's Qualifications:

1. Firm (woodwork manufacturer) with no less than five years of production experience similar to a specific project, whose qualifications indicate the ability to comply with the requirements of this section.
2. The woodwork manufacturer must have at least one project in the past five years where the value of the woodwork was within 20 percent of the cost of woodwork for this project.
3. A Woodwork Institute Accredited Millwork Company in good standing.

C. Single Source Responsibility: A single fabricator shall provide and install the work of this section.

D. Work shall be in accordance with Grade or Grades Specified of the “Architectural Woodwork Standards.”

E. Certified Compliance

1. Before delivery to the job site, provide a Woodwork Institute Certified Compliance Certificate indicating the millwork products being supplied and certifying that these products fully meet the requirements of the NAAWS Grade or Grades specified.
2. Provide a Woodwork Institute Certified Compliance Label on each elevation of casework.
3. At completion of installation provide a Woodwork Institute Certified Compliance Certificate indicating the products installed, and certifying that the installation of these products fully meets the requirements of the NAAWS Grade or Grades specified.
4. All fees charged by the Woodwork Institute for its Certified Compliance program are the responsibility of the millwork manufacturer and/or installer and shall be included in their bid.

1.10 DELIVERY, STORAGE, AND HANDLING

- A. Do not deliver cabinets until painting and similar finish operations that might damage architectural cabinets have been completed in installation areas. Store cabinets in installation areas or in areas where environmental conditions comply with requirements specified in "Field Conditions" Article.

1.11 FIELD CONDITIONS

- A. Environmental Limitations without Humidity Control: Do not deliver or install cabinets until building is enclosed, wet-work is complete, and HVAC system is operating and

maintaining temperature and relative humidity at levels planned for building occupants during the remainder of the construction period.

- B. Field Measurements: Where cabinets are indicated to fit to other construction, verify dimensions of other construction by field measurements before fabrication, and indicate measurements on Shop Drawings. Coordinate fabrication schedule with construction progress to avoid delaying the Work.
 - 1. Locate concealed framing, blocking, and reinforcements that support cabinets by field measurements before being enclosed/concealed by construction, and indicate measurements on Shop Drawings.
- C. Field Measurements for Countertops: Verify dimensions of countertops by field measurements after base cabinets are installed but before countertop fabrication is complete. Coordinate fabrication schedule with construction progress to avoid delaying the Work

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Quality Standard: Unless otherwise indicated, comply with the North American Architectural Woodwork Standards for grades of cabinets indicated for construction, finishes, installation, and other requirements.
- B. Cabinets: Woodwork Institute “Custom Grade”
 - 1. Provide Woodwork Institute Certification: Each cabinet shall be Woodwork Institute Certified, bearing the “stamp of certification” affixed in a semi-exposed location on each unit and showing compliance with the above standard, when in the sole opinion of the Architect, the quality of the product provided is in question or does not meet the quality standards of the Woodwork Institute’s Manual of Millwork. This certification shall be provided on all casework in question at no additional cost to the owner.
- C. All casework shall comply with 2022 CBC, Section 11B.
- D. Cabinet Design Requirements
 - 1. Woodwork Institute cabinet design series (CDS):
 - a. Cabinet design requirements are designated on drawings using Woodwork Institute “Cabinet Design Series (CDS)” numbering system.
 - b. Where individual cabinet design requirements do not fit within the CDS numbering system, cabinet design requirements are detailed on drawings.
 - 1) Catalog Standards:

- a) Manufacturer's catalog numbers may be shown on drawings for convenience in identifying certain cabinet design requirements. Unless modified by notation on drawings or otherwise specified, catalog description for indicated number constitutes requirements for each such cabinet.
- b) The use of catalog numbers is not intended to preclude the use of any other acceptable manufacturer's products, which are equivalent, but are given for the purpose of establishing design requirements.

2.2 COMPONENTS

- A. High-Pressure Decorative Laminate: NEMA LD 3, grades as indicated or if not indicated, as required by quality standard.
 - 1. Products: Subject to compliance with requirements, provide the following:
 - a. Nevamar Corp: High Pressure Laminate with "Armor Protection Plus"
 - b. Wilsonart LLC; High Pressure Laminate with "High Wear Laminate"
- B. Colors, Patterns, and Finishes: Provide materials and products that result in colors and textures of exposed laminate surfaces complying with the following requirements:
 - 1. As selected by Architect from laminate manufacturer's full range in the following categories:
 - a. Solid colors, matte finish.
 - b. Solid colors with core same color as surface, matte finish.
 - c. Wood grains, matte finish.
 - d. Patterns, matte finish.
- C. Laminate Cladding for Exposed Surfaces:
 - 1. Horizontal Surfaces: Grade HGS.
 - 2. Postformed Surfaces: Grade HGP.
 - 3. Vertical Surfaces: Grade VGS.
 - 4. Edges: PVC edge banding, 3.0 mm thick, matching laminate in color, pattern, and finish.
 - 5. Pattern Direction: As indicated.
- D. Materials for Semiexposed Surfaces:
 - 1. Surfaces Other Than Drawer Bodies: High-pressure decorative laminate, NEMA LD 3, Grade VGS.
 - a. Edges of Plastic-Laminate Shelves: PVC edge banding, 3.0 mm thick, matching laminate in color, pattern, and finish.

- b. For semiexposed backs of panels with exposed plastic-laminate surfaces, provide surface of high-pressure decorative laminate, NEMA LD 3, Grade CLS.
- 2. Drawer Sides and Backs: Thermally fused laminate panels with PVC or polyester edge banding.
- 3. Drawer Bottoms: Thermally fused laminate panels.
- E. Concealed Backs of Panels with Exposed Plastic-Laminate Surfaces: High-pressure decorative laminate, NEMA LD 3, Grade BKL.

2.3 WOOD MATERIALS

- A. Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
 - 1. Solid Wood or Plywood: Columbia Forest Products, Purebond Classic Core plywood, with no defects affecting strength or utility. Hardwood and softwood lumber kiln dried to 7 and 10 percent moisture content, respectively.
- B. Composite Wood Products: Provide materials that comply with requirements of referenced quality standard for each type of architectural cabinet and quality grade specified unless otherwise indicated.
 - 1. Composite Wood Products: Verify products are made using ultra-low-emitting formaldehyde resins, as defined in the California Air Resources Board's "Airborne Toxic Control Measure to Reduce Formaldehyde Emissions from Composite Wood Products," (ATCM 17 CCR 93120 et. Seq.) or are made with no added formaldehyde.
 - 2. Medium-Density Fiberboard (MDF): ANSI A208.2, Grade 130.
 - 3. Particleboard (Medium Density): ANSI A208.1, Grade M-2. 100% post-industrial recycled particleboard.
 - 4. Thermally Fused Laminate (TFL) Panels: Particleboard or MDF finished with thermally fused, melamine-impregnated decorative paper and complying with requirements of NEMA LD 3, Grade VGL, for Test Methods 3.3, 3.4, 3.6, 3.8, and 3.10.

2.4 CABINET HARDWARE AND ACCESSORIES

- A. General: Color as selected by architect.
- B. Concealed Hinges: ANSI/BHMI Grade 2 European Style, 170 degree opening, all steel construction, self-closing.
- C. Sliding Doors: Steel with nylon roller carriers, suspended type
- D. Catches: Magnetic catches, ANSI/BHMA A156.9, B03141.

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- E. Adjustable Shelf Clips: Steel with pins for ¼ inch drilled holes with earthquake pins to hold shelves against lateral movement.
 - 1. Manufacturer: Hettich America, Sekura #6 or approved equal
- F. Drawer Slides: ANSI/BHMA A156.9.
 - 1. Manufacturer: Accuride International, or approved equal
 - 2. Heavy-Duty (Grade 1HD-100 and Grade 1HD-200): Side mount.
 - a. Standard Drawers: Full extension rated at 125 lbs. With positive stops to prevent inadvertent removal.
 - b. File Drawers: 3 piece full extension rated at 125 lbs. with positive stops to prevent inadvertent removal.
 - c. Paper Storage Drawers or Drawers over 36” wide: 2 piece roller side guides rated at 150 lbs. With positive stops to prevent inadvertent removal.
 - d. Motion Feature: Soft close dampener.
- G. Drawer Bumper Stops: Adjustable at each side rear to prevent impact on drawer front
- H. Pulls: 4” U shaped handles with minimum 2” between face of cabinet and pull for drawers and hinged doors; sliding doors -- Finish as selected by Architect from US32, US32D US28 or from manufacturer’s full list of available colors. U-pulls to comply with 11B-309.4.
- I. Locks:
 - 1. Manufacturer: Stanley BEST Cabinet Locks; **3L Series Deadbolt, Grade 1, stainless steel bolt.** (ADDENDUM #2)
 - 2. Interchangeable Cores Cabinet Locks, keyed to the Owner’s Master Key System.
 - 3. Lock location indicated on drawings.
- J. Tempered Float Glass for Cabinet Doors: ASTM C1048, Kind FT, Condition A, Type I, Class 1 (clear), Quality-Q3, ¼” thick unless otherwise indicated.
- K. Cantilever Countertop Supports:
 - 1. Provide cantilever countertop supports
 - 2. Manufacturer: A & M Hardware Inc, Manheim PA, 888.687.0200.
 - 3. Supports shall have a minimum of 1000 lb load limit.
 - 4. Provide appropriate size support for size of countertop shown on contract drawings. Support shall have notch for wire run clearance.
 - 5. Color to be chosen by Architect from manufacturer’s standard colors.
- L. Exposed Hardware Finishes: For exposed hardware, provide finish that complies with ANSI/BHMA A156.18 for ANSI/BHMA finish number indicated.
 - 1. Satin Stainless Steel: ANSI/BHMA 630.

- M. For concealed hardware, provide manufacturer's standard finish that complies with product class requirements in ANSI/BHMA A156.9.

2.5 MISCELLANEOUS MATERIALS

- A. Furring, Blocking, Shims, and Hanging Strips: Softwood or hardwood lumber, kiln-dried to less than 15 percent moisture content.
- B. Anchors: Select material, type, size, and finish required for each substrate for secure anchorage. Provide metal expansion sleeves or expansion bolts for post-installed anchors. Use nonferrous-metal or hot-dip galvanized anchors and inserts at inside face of exterior walls and at floors.

2.6 CABINET CONSTRUCTION

- A. Type of Construction: Frameless.
- B. Door and Drawer-Front Style: Flush overlay.
- C. General: All cabinets factory assembled. All exposed vertical and horizontal surfaces shall be finished with high pressure laminated plastic unless otherwise indicated. Materials not shown or specified, best quality manufacture's standard or as otherwise approved. All parts precision machined to close tolerances, accurately fitted and assembled with appropriate fastenings and adhesives required to produce first quality fixtures, square, true, level and plumb.
- D. End Panels and Partitions: $\frac{3}{4}$ inch thick particleboard with plastic-laminate faces and backs, edges faced with laminated plastic. Provide same grade, pattern, color, and texture of plastic laminate for backs as for faces. Backing sheet on interior or enclosed surfaces. End panels grooved to receive case backs, all parts lock-jointed.
- E. Doors: $\frac{3}{4}$ inch thick particleboard, front surfaced with laminated plastic and edged with 3mm PVC edging, backs surfaced with interior or backing sheet. Overlaid type doors. Where full height doors open.
- F. Cabinet Backs: Groove all members to receive $\frac{1}{4}$ " prefinished hardboard on unexposed backs where required or scheduled. Exposed backs and backs on movable cabinets, $\frac{1}{2}$ " overlaid plywood or particle board surfaced with laminated plastic. Interior face surfaced with backing sheet.
- G. Drawers: Fabricate with exposed fronts fastened to subfront with mounting screws from interior of body.
 - 1. Overlaid type fronts, $\frac{3}{4}$ " particle board surfaces with laminated plastic and 3mm PVC edging, backing sheet on inside face; sides and back $\frac{1}{2}$ " overlaid particle board. Join subfronts, backs and sides with glued dovetail joints. Smoothly sanded and coated with varnish drawer sealer.

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2. Bottoms: ¼” thick prefinished hardboard. To match interior, housed into front, sides and back, glued and stapled.
- H. Shelves: All shelving shall be particle board surfaces with overlay. All shelving shall be adjustable at 1” vertical intervals unless noted otherwise. All shelves drilled both ends for shelf clip retainer pins. All shelves shall be 1” thick. Shelves longer than 36” shall have intermediate supports at 36” maximum spacing. Exposed shelves shall be edge-banded with 3mm PVC edging and plastic laminate finish on horizontal surface.
- I. Filler and Service Access Panels: Provide filler and service access panels to conceal all utility piping, conduits and devices with finish to match adjacent surfaces. Provide removable panels secured with screws and grommets at valves, clean outs, devices and connectors that may require adjustment and service.
- J. Framing: Complete skeleton frames and head rails of overlaid plywood, securely glue and dowel or other approved method, required under all countertop base cabinets.
- K. Bases: Base material shall be from solid wood stock. Continuous bases leveled and squared before units are installed, cabinets leveled and anchored to base.

2.7 COUNTERTOPS

A. Quartz Countertops:

1. Manufacturer:
 - a. Cambria
 - b. Or approved equal
2. Solid surface 3 cm. thick countertops with self-edge.
3. Slab size: Manufacturer’s maximum sizes to minimize joints.
4. Identification: Material shall be labeled with batch number and imprinted on back with manufacturer’s identifying mark.
5. Exposed Edges and Corners:
 - a. Countertops:
 - 1) Edges: As indicated in the Drawings.
 - 2) Outside Corners: 3/4-inch radius unless otherwise indicated.
 - b. Backsplash: Integral cove with countertop.
 - 1) Edges: Square.
 - 2) Outside Corners: Square butt joints.
6. Joints shall be fabricated to be flush with no color variation across the joint. At back splashes square butt joint end splashes of a corresponding height shall be furnished at wall or closed end.
7. Shop fabricate all components by a manufacturer approved fabricator.

8. Accessories:
 - a. Mounting Adhesive: Provide structural-grade silicone or epoxy adhesives of type recommended by manufacturer for application and conditions of use. Provide spacers if required, type as recommended by adhesive manufacturer.
 - b. Quartz Surfacing Adhesive: Provide epoxy or polyester adhesive of type recommended by manufacturer for application and conditions of use. Adhesive visible in finished work shall be tinted to match quartz surfacing.
9. Joint Sealants: Clear silicone sealant of type recommended by manufacturer for application and conditions of use. Provide anti-bacterial type in toilet rooms and food preparation areas.
10. Fabrication:
 - a. Color Match: Materials throughout Project shall be from the same batch and shall bear labels with same batch number. Visually inspect materials to be used for adjacent pieces to assure acceptable color match. Inspect in lighting conditions similar to those on Project.
 - b. Variation in distribution of aggregates in quartz surfacing which are within manufacturer's tolerances is not a defect.
 - c. Tools: Cut and polish with water-cooled power tools.
 - d. Cutouts: Provide factory cutouts for plumbing fittings and fixtures including but not limited to faucets, air gaps and bath accessories as indicated in the Drawings.
 - 1) Cutouts shall have 3/8-inch minimum inside corner radius. Inside corners shall be reinforced in an acceptable manner to prevent cracking.
 - 2) Where edges of cutout will be exposed in finished work, polish edges.
 - 3) If the remaining material outside a cutout is less than 3-inches wide, reinforce area by laminating it with a strip of quartz surfacing.
- B. Solid Surface Countertops: (at wet areas i.e. shops, art rooms, kitchens, science classrooms, etc. as indicated on drawings):
 1. Manufacturer:
 - a. Corian by Dupont
 - b. Or approved equal
 2. Solid surface 1/2" thick countertops with self-edge.
 3. Back splashes shall be integral cove.
 4. Tops and splashes shall be self-edged.
 5. Outside corners at self-edge tops shall be rounded to a 1" radius on all countertops.
 6. Joints shall be fabricated to be flush with no color variation across the joint. At back splashes square butt joint end splashes of a corresponding height shall be furnished at wall or closed end.
 7. Shop fabricate all components by a manufacturer approved fabricator.
- C. Epoxy Resin Countertops: Sheets cast from modified epoxy resin and non-asbestos inert fillers; compounded mixture cured and thermoset specifically from formulation to provide

exceptional physical and chemical resistance required in medium to heavy duty laboratory environments.

1. Manufacturer:
 - a. Durcon by Wilsonart
 - b. Or approved equal
2. Physical properties; minimum acceptable physical performance in accordance with SEFA 3 testing procedures:
 - a. Density/specific gravity: Tested to ASTM D792; minimum test rating of 133.6 lb/ft³ or 2.14 g/cm³.
 - b. Rockwell hardness: Tested to ASTM D785; minimum M scale rating of 109.
 - c. Fire resistance: tested to ASTM D635; classified as self-extinguishing.
 - d. Surface burning characteristics: Tested to ASTM E84; flame spread index 5 and smoke developed index of 185.
 - e. Coefficient of linear thermal expansion: Tested to ASTM D696; rating of 1.2 x 10⁻⁵ in/in/oF or 2.15 x 10⁻⁵ mm/mm°C.
 - f. Heat deflection: Tested to ASTM D648; maximum 293oF or 145oC .
 - g. Flexural strength: Tested to ASTM D790; minimum rating 12.6 KPSI or 87 Mpa.
 - h. Flexural modulus: Tested to ASTM D790; 3240 KPSI or 22.4 Gpa.
 - i. Water absorption, 24 hours: tested to ASTM D570; maximum 0.03% by weight.
 - j. Compression strength: Tested to ASTM D695; minimum 32.7 kpsi or 226 Mpa.
 - k. Chemical resistance; minimum acceptable chemical resistance performance in accordance with SEFA 3
3. Solid surface 3/4" and 1" thick countertops with self-edge. See drawings for locations.
4. Back splashes shall be integral cove.
5. Tops and splashes shall be self-edged.
6. Outside corners at self-edge tops shall be rounded to a 1" radius on all countertops.
7. Joints shall be fabricated to be flush with no color variation across the joint. At back splashes square butt joint end splashes of a corresponding height shall be furnished at wall or closed end.
8. Shop fabricate all components by a manufacturer approved fabricator.
9. Color: To be selected by Architect from manufacturer's standard color range.

D. Chemical Resistant Plastic Laminate:

(ADDENDUM #2)

1. Manufacturer:
 - a. Wilsonart Chemsurf with high wear surface
 - b. Or approved equal
2. Front vertical plastic laminated edging installed before the horizontal surface plastic laminate.

3. Counter tops shall be self edged. Back splashes shall be integral cove or ninety degree as selected by Architect.
4. Counter tops shall be plastic laminate bonded to 1” particle board core with Type II adhesive. The adhesive shall meet the Heat Resistant Test Requirement as published in the Woodwork Institute manual.
5. The underside of the tops and the back of splashes shall be covered with W.I.C. approved backing sheets.
6. Tops and splashes shall be self edged. Outside corners at self edge tops shall be rounded to a 1” radius on all counter tops. Joints shall be fabricated to be flush with no color variation across the joint.
7. At back splashes square butt joint end splashes of a corresponding height shall be furnished at wall or closed end.
8. Apply adhesive film to surfaces being bonded in strict accordance with manufacturer’s printed instructions and recommendations. Hot veneering pressures, platen temperature, cold veneering pressure and commercial postforming shall be in strict accordance with manufacturer’s recommendations.
9. Shop fabricate all components.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verify the adequacy and proper location of any required backing or support framing.
- B. Verify that mechanical, electrical, plumbing, and other building components affecting work in this section are in place and ready.
- C. All wall coverings and finishes referenced in Division 9 shall be installed prior to installation of this work.

3.2 PREPARATION

- A. Before installation, condition cabinets to humidity conditions in installation areas for not less than 72 hours.

3.3 INSTALLATION

- A. Install all work in conformance with the North American Architectural Woodwork Standards, latest edition.
 1. Installation shall conform to the NAAWS grade of the items being installed.
- B. Assemble cabinets and complete fabrication at Project site to extent that it was not completed in the shop.

- C. Anchor cabinets to anchors or blocking built in or directly attached to substrates. Secure with wafer-head cabinet installation screws.
- D. Install cabinets level, plumb, and true in line to a tolerance of **1/8 inch in 96 inches (3 mm in 2400 mm)** using concealed shims.
 - 1. Scribe and cut cabinets to fit adjoining work, refinish cut surfaces, and repair damaged finish at cuts.
 - 2. Install cabinets without distortion so doors and drawers fit openings and are accurately aligned. Adjust hardware to center doors and drawers in openings and to provide unencumbered operation. Complete installation of hardware and accessory items as indicated.
 - 3. Run a bead of silicone sealant where casework base meets floor around entire perimeter of casework base.
- E. Mechanical fasteners used at exposed and semi-exposed surfaces, excluding installation attachment screws and those securing cabinets end to end, shall be countersunk.

3.4 QUARTZ COUNTERTOP INSTALLATION

- A. Install materials in accordance with manufacturer's instructions. Lift and place to avoid breakage.
- B. Position materials to verify that materials are correctly sized and prepared. Make necessary modifications.
 - 1. If jobsite cutting, grinding or polishing is required, use water-cooled tools. Protect jobsite and surfaces against dust and water. Perform work away from installation site if possible.
- C. Permanent Installation:
 - 1. After verifying fit, remove quartz surface from position, clean substrates of dust and contamination, and clean quartz surfacing back side and joints with solvent.
 - 2. Apply sufficient quantity of mounting adhesive in accordance with adhesive manufacturer's recommendations to provide permanent, secure installation.
 - 3. Install surfacing plumb, level, and square and flat to within 1/16-inch in 10-feet.
- D. Scribe countertops to adjacent wall and other abutting surfaces to minimize gaps.
- E. Countertop shall not extend farther than 25-inches from the face of the wall.
- F. Joints:
 - 1. Joints between Adjacent Pieces of Quartz Surfacing:
 - a. Joints shall be flush, tight fitting, level, and neat.
 - b. Securely join with stone adhesive. Fill joints level with quartz surfacing.

c. Clamp or brace quartz surfacing in position until adhesive sets.

2. Joints between Backsplashes and Countertops and Around Enclosures: Seal joints with silicone sealant.

3.5 SOLID SURFACE COUNTERTOP INSTALLATION

A. Fasten solid-surfacing-material countertops by screwing through corner blocks of base units into underside of countertop. Align adjacent surfaces, and form seams to comply with manufacturer's written instructions using adhesive in color to match countertop. Carefully dress joints smooth, remove surface scratches, and clean entire surface.

3.6 EPOXY RESIN COUNTERTOP INSTALLATION

A. Comply with installation requirements in SEFA 2. Abut top and edge surfaces true in plane with flush hairline joints and with internal supports placed to prevent deflection. Locate joints where indicated on Shop Drawings.

B. Field Jointing: Where possible, make in same manner as shop-made joints, using dowels, splines, fasteners, adhesives, and sealants recommended by manufacturer. Shop prepare edges for field-made joints.

C. Fastening:

1. Secure countertops, except for epoxy countertops, to cabinets with Z-type fasteners or equivalent, using two or more fasteners at each cabinet front, end, and back.
2. Secure epoxy countertops to cabinets with epoxy cement, applied at each corner and along perimeter edges at not more than 48 inches (1200 mm) o.c.
3. Where necessary to penetrate countertops with fasteners, countersink heads approximately 1/8 inch (3 mm) and plug hole flush with material equal to countertop in chemical resistance, hardness, and appearance.

D. Provide holes and cutouts required for service fittings.

E. Provide scribe moldings for closures at junctures of countertop, curb, and splash with walls as recommended by manufacturer for materials involved. Match materials and finish to adjacent laboratory casework. Use chemical-resistant, permanently elastic sealing compound where recommended by manufacturer.

F. Dress joints smooth, remove surface scratches, and clean entire surface.

3.7 PLASTIC LAMINATE COUNTERTOP INSTALLATION (ADDENDUM #2)

A. **Fasten plastic-laminate countertops by screwing through corner blocks of base units into underside of countertop. Form seams using splines to align adjacent surfaces, and secure with glue and concealed clamping devices designed for this purpose.**

3.8 FIELD QUALITY CONTROL

A. Inspections:

1. Provide inspection of installed Work through WI's Certified Compliance Program certifying that woodwork, including installation, complies with requirements of the North American Architectural Woodwork Standards for the specified grade.
 - a. Inspection entity shall prepare and submit report of inspection.

3.9 ADJUSTING AND CLEANING

- A. Before completing installation, the installer shall adjust all moving and operating parts to function smoothly and correctly.
- B. All nicks, chips, and scratches in the finish shall be filled and retouched. Damaged items that cannot be repaired shall be replaced.
- C. Adjust joinery for uniform appearance.
- D. Clean, lubricate, and adjust hardware.
- E. Clean cabinets on exposed and semiexposed surfaces.
- F. Installer shall advise Contractor of final protection and maintained conditions necessary to ensure that work will be without damage or deterioration time of acceptance.
- G. Cover completed work with 4 mil polyethylene protective enclosure, applied in a manner to allow easy removal without damaging cabinets or adjoining work. Remove cover immediately before time of final acceptance.

END OF SECTION 064116

**SECTION 087100 – DOOR HARDWARE -
(REPLACED IN ITS ENTIRETY – ADDEDENDUM #2)**

PART 1 GENERAL

1.01 SECTION INCLUDES

- A. Hardware for wood doors.
- B. Hardware for fire-rated doors.
- C. Electrically operated and controlled hardware.
- D. Thresholds.
- E. Weatherstripping and gasketing.

1.02 RELATED REQUIREMENTS

- A. Section 081113 - Hollow Metal Doors and Frames.
- B. Section 081416 - Flush Wood Doors.
- C. Section 281000 - Access Control: Electronic access control devices.

1.03 REFERENCE STANDARDS

- A. ADA Standards - 2010 ADA Standards for Accessible Design 2010.
- B. BHMA A156.1 - Standard for Butts and Hinges 2021.
- C. BHMA A156.2 - Bored and Preamsembled Locks and Latches 2022.
- D. BHMA A156.3 - Exit Devices 2020.
- E. BHMA A156.4 - Door Controls - Closers 2019.
- F. BHMA A156.6 - Standard for Architectural Door Trim 2021.
- G. BHMA A156.7 - Template Hinge Dimensions 2016.
- H. BHMA A156.16 - Auxiliary Hardware 2018.
- I. BHMA A156.21 - Thresholds 2019.
- J. BHMA A156.22 - Standard for Gasketing 2021.
- K. BHMA A156.26 - Standard for Continuous Hinges 2021.
- L. BHMA A156.28 - Standard for Recommended Practices for Mechanical Keying Systems 2018.
- M. BHMA A156.115 - Hardware Preparation in Steel Doors and Steel Frames 2016.
- N. BHMA A156.115W - Hardware Preparation in Wood Doors with Wood or Steel Frames 2006.
- O. DHI (H&S) - Sequence and Format for the Hardware Schedule 2019.
- P. DHI (KSN) - Keying Systems and Nomenclature 2019.
- Q. DHI (LOCS) - Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames 2004.

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- R. DHI WDHS.3 - Recommended Locations for Architectural Hardware for Flush Wood Doors 1993; also in WDHS-1/WDHS-5 Series, 1996.
- S. ICC (IBC) - International Building Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- T. ICC A117.1 - Accessible and Usable Buildings and Facilities 2017.
- U. ITS (DIR) - Directory of Listed Products Current Edition.
- V. NFPA 70 - National Electrical Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- W. NFPA 80 - Standard for Fire Doors and Other Opening Protectives 2022.
- X. NFPA 101 - Life Safety Code Most Recent Edition Adopted by Authority Having Jurisdiction, Including All Applicable Amendments and Supplements.
- Y. NFPA 105 - Standard for Smoke Door Assemblies and Other Opening Protectives 2022.
- Z. NFPA 252 - Standard Methods of Fire Tests of Door Assemblies 2022.
- AA. Storm Codes:
 - 1. California Codes.
- BB. UL (DIR) - Online Certifications Directory Current Edition.
- CC. UL 10C - Standard for Positive Pressure Fire Tests of Door Assemblies Current Edition, Including All Revisions.

1.04 ADMINISTRATIVE REQUIREMENTS

- A. Coordinate the manufacture, fabrication, and installation of products that door hardware is installed on.
- B. Sequence installation to ensure facility services connections are achieved in an orderly and expeditious manner.
- C. Preinstallation Meeting: Convene a preinstallation meeting one week prior to commencing work of this section; require attendance by affected installers and the following:
 - 1. Architect.
 - 2. Installer's Architectural Hardware Consultant (AHC).
 - 3. Hardware Installer.
 - 4. Owner's Security Consultant.
- D. Furnish templates for door and frame preparation to manufacturers and fabricators of products requiring internal reinforcement for door hardware.
- E. Keying Requirements Meeting:
 - 1. Schedule meeting at project site prior to Contractor occupancy.
 - 2. Attendance Required:
 - a. Contractor.
 - b. Installer's Architectural Hardware Consultant (AHC).
 - c. Door Hardware Installer.
 - d. Owner's Security Consultant.
 - 3. Agenda:
 - a. Establish keying requirements.

- b. Verify locksets and locking hardware are functionally correct for project requirements.
- c. Verify that keying and programming complies with project requirements.
- d. Establish keying submittal schedule and update requirements.
- 4. Incorporate "Keying Requirements Meeting" decisions into keying submittal upon review of door hardware keying system including, but not limited to, the following:
 - a. Access control requirements.
 - b. Key control system requirements.
 - c. Schematic diagram of preliminary key system.
 - d. Flow of traffic and extent of security required.
- 5. Record minutes and distribute copies within two days after meeting to participants, with two copies to Architect, Owner, participants, and those affected by decisions made.
- 6. Deliver established keying requirements to manufacturers.

1.05 SUBMITTALS

- A. See Section 013000 - Administrative Requirements for submittal procedures.
- B. Product Data: Manufacturer's catalog literature for each type of hardware, marked to clearly show products to be furnished for this project, and includes construction details, material descriptions, finishes, and dimensions and profiles of individual components.
- C. Shop Drawings - Door Hardware Schedule: A detailed listing that includes each item of hardware to be installed on each door.
 - 1. Prepared by or under supervision of Architectural Hardware Consultant (AHC).
 - 2. Comply with DHI (H&S) using door numbering scheme and hardware set numbers as indicated in Contract Documents.
 - a. Submit in vertical format.
 - 3. List groups and suffixes in proper sequence.
 - 4. Include complete description for each door listed.
 - 5. Include manufacturer's and product names, and catalog numbers; include functions, types, styles, sizes and finishes of each item.
 - 6. Include account of abbreviations and symbols used in schedule.
- D. Samples for Verification:
 - 1. Submit minimum size of 2 by 4 inch (51 by 102 mm) for sheet samples, and minimum length of 4 inch (102 mm) for other products.
 - 2. Include product description with samples.
- E. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- F. Manufacturer's qualification statement.
- G. Installer's qualification statement.
- H. Supplier's qualification statement.
- I. Maintenance Data: Include data on operating hardware, lubrication requirements, and inspection procedures related to preventative maintenance.
- J. Keying Schedule:

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1. Submit three (3) copies of Keying Schedule in compliance with requirements established during Keying Requirements Meeting unless otherwise indicated.
- K. Warranty: Submit manufacturer's warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
- L. Project Record Documents: Record actual locations of concealed equipment, services, and conduit.
- M. Maintenance Materials and Tools: Furnish the following for Owner's use in maintenance of project.
 1. See Section 016000 - Product Requirements, for additional provisions.

1.06 QUALITY ASSURANCE

- A. Standards for Fire-Rated Doors: Maintain one copy of each referenced standard on site, for use by Architect and Contractor.
- B. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum three years of documented experience.
- C. Installer Qualifications: Company specializing in performing work of the type specified for commercial door hardware with at least three years of documented experience.
- D. Supplier Qualifications: Company with certified Architectural Hardware Consultant (AHC) to assist in work of this section.

1.07 DELIVERY, STORAGE, AND HANDLING

- A. Package hardware items individually; label and identify each package with door opening code to match door hardware schedule.

1.08 WARRANTY

- A. See Section 017800 - Closeout Submittals for additional warranty requirements.
- B. Manufacturer Warranty: Provide manufacturer warranty against defects in material and workmanship for period indicated, from Date of Substantial Completion. Complete forms in Owner's name and register with manufacturer.
 1. Closers: Thirty five years, minimum.
 2. Exit Devices: Ten years, minimum.
 3. Locksets: Ten years, minimum.

PART 2 PRODUCTS

2.01 GENERAL REQUIREMENTS

- A. Provide specified door hardware as required to make doors fully functional, compliant with applicable codes, and secure to extent indicated.
- B. Provide individual items of single type, of same model, and by same manufacturer.

- C. Closers:
 - 1. Provide door closer on each exterior door, unless otherwise indicated.
 - 2. Provide door closer on each fire-rated and smoke-rated door.
 - 3. Spring hinges are not an acceptable self-closing device, unless otherwise indicated.
- D. Weatherstripping and Gasketing:
 - 1. Provide weatherstripping on each exterior door at head, jambs, and meeting stiles of door pairs, unless otherwise indicated.
 - 2. Provide door bottom sweep on each exterior door, unless otherwise indicated.
 - 3. Fabricate as continuous gasketing, do not cut or notch gasketing material.
- E. Electrically Operated and/or Controlled Hardware: Provide necessary power supplies, power transfer hinges, relays, and interfaces as required for proper operation; provide wiring between hardware and control components and to building power connection in compliance with NFPA 70.
- F. See Section 281000 for additional access control system requirements.
- G. Fasteners:
 - 1. Provide fasteners of proper type, size, quantity, and finish that comply with commercially recognized standards for proposed applications.
 - a. Aluminum fasteners are not permitted.
 - b. Provide phillips flat-head screws with heads finished to match door surface hardware unless otherwise indicated.
 - 2. Provide machine screws for attachment to reinforced hollow metal and aluminum frames.
 - a. Self-drilling (Tek) type screws are not permitted.
 - 3. Provide stainless steel machine screws and lead expansion shields for concrete and masonry substrates.
 - 4. Provide wall grip inserts for hollow wall construction.
 - 5. Fire-Resistance-Rated Applications: Comply with NFPA 80.
 - a. Provide wood or machine screws for hinges mortised to doors or frames, strike plates to frames, and closers to doors and frames.
 - b. Provide steel through bolts for attachment of surface mounted closers, hinges, or exit devices to door panels unless proper door blocking is provided.

2.02 PERFORMANCE REQUIREMENTS

- A. Provide door hardware products that comply with the following requirements:
 - 1. Applicable provisions of federal, state, and local codes.
 - a. ICC (IBC).
 - b. NFPA 101.
 - 2. Accessibility: ADA Standards and ICC A117.1.
 - 3. Fire-Resistance-Rated Doors: NFPA 80, listed and labeled by qualified testing agency for fire protection ratings indicated, based on testing at positive pressure in accordance with NFPA 252 or UL 10C.
 - 4. Hardware on Fire-Resistance-Rated Doors: Listed and classified by UL (DIR), ITS (DIR), or testing firm acceptable to authorities having jurisdiction as suitable for application indicated.
 - 5. Hardware Preparation for Steel Doors and Steel Frames: BHMA A156.115.

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6. Hardware Preparation for Wood Doors with Wood or Steel Frames: BHMA A156.115W.
7. Products Requiring Electrical Connection: Listed and classified by UL (DIR) as suitable for the purpose specified.

2.03 HINGES

- A. Manufacturers: Conventional butt hinges.
 1. BEST; dormakaba Group: www.bestaccess.com/#sle.
 2. ABH Manufacturing.
- B. Properties:
 1. Butt Hinges: As applicable to each item specified.
 - a. Standard Weight Hinges: Minimum of two (2) permanently lubricated non-detachable bearings.
 - b. Template screw hole locations.
 - c. Bearing assembly installed after plating.
 - d. Bearings: Concealed fully hardened bearings.
 - e. Bearing Shells: Shapes consistent with barrels.
 - f. Pins: Easily seated, non-rising pins.
 - 1) Fully plate hinge pins.
 - 2) Non-Removable Pins: Slotted stainless steel screws.
 - g. UL 10C listed for fire-resistance-rated doors.
 2. Continuous Hinges: As applicable to each item specified.
 - a. Geared Continuous Hinges: As applicable to each item specified.
 - 1) Non-handed.
 - 2) Anti-spinning through-fastener.
 - 3) UL 10C listed for fire-resistance-rated doors.
 - (a) Metal Door Installation: Rated up to 90 minutes.
 - (b) Wood Door Installation: Rated up to 60 minutes.
 - 4) Sufficient size to permit door to swing 180 degrees
- C. Sizes: See Door Hardware Schedule.
 1. Hinge Widths: As required to clear surrounding trim.
 2. Sufficient size to allow 180 degree swing of door.
- D. Finishes: See Door Hardware Schedule.
 1. Fully polish hinges; front, back, and barrel.
- E. Grades:
 1. Butt Hinges: Comply with BHMA A156.1 and BHMA A156.7 for templated hinges.
 2. Continuous Hinges: Comply with BHMA A156.26, Grade 1.
- F. Material: Base metal as indicated for each item by BHMA material and finish designation.
- G. Types:
 1. Butt Hinges: Include full mortise hinges.
 2. Continuous Hinges: Include geared hinges.
- H. Options: As applicable to each item specified.
 1. Provide electric power transfer (EPT) as listed in hardware sets.
 2. Provide concealed electric (CE) as listed in the hardware sets.

I. Quantities:

1. Butt Hinges: Three (3) hinges per leaves up to 90 inches (2286 mm) in height. Add one (1) for each additional 30 inches (762 mm) in height or fraction thereof.
 - a. Hinge weight and size unless otherwise indicated in hardware sets:
 - 1) For doors up to 36 inches (914 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.134 inch (3.4 mm) and a minimum of 4-1/2 inches (114 mm) in height.
 - 2) For doors from 36 inches (914 mm) wide up to 42 inches (1067 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.145 inch (3.7 mm) and a minimum of 4-1/2 inches (114 mm) in height.
 - 3) For doors from 42 inches (1067 mm) wide up to 48 inches (1219 mm) wide and up to 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.180 inch (4.6 mm) and a minimum of 5 inches (127 mm) in height.
 - 4) For doors greater than 1-3/4 inches (44.5 mm) thick provide hinges with a minimum thickness of 0.180 inch (4.6 mm) and a minimum of 5 inches (127 mm) in height.
2. Continuous Hinges: One per door leaf.

J. Applications: At swinging doors.

1. Provide non-removable pins at out-swinging doors with locking hardware and all exterior doors.

K. Products:

1. Butt Hinges:
 - a. Concealed bearing, five (5) knuckle.
2. Continuous Hinges:
 - a. Aluminum geared hinges.

2.04 EXIT DEVICES

A. Manufacturers:

1. BEST, dormakaba Group: www.bestaccess.com/#sle.
2. Substitutions: Not permitted.

B. Properties:

1. Actuation: Full-length touchpad.
2. Touchpads: "T" style metal touchpads and rail assemblies with matching chassis covers end caps.
3. Latch Bolts: Stainless steel deadlocking with 3/4 inch (19 mm) projection using latch bolt.
4. Lever Design: Match project standard lockset trims.
5. Cylinder: Include where cylinder dogging or locking trim is indicated.
6. Strike as recommended by manufacturer for application indicated.
7. Sound dampening on touch bar.
8. Dogging:
 - a. Non-Fire-Resistance-Rated Devices: 1/4 inch (6 mm) hex key dogging.
 - b. Fire-Resistance-Rated Devices: Manual dogging not permitted.

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9. Touch bar assembly on wide style exit devices to have a 1/4 inch (6.3 mm) clearance to allow for vision frames.
 10. All exposed exit device components to be of architectural metals and “true” architectural finishes.
 11. Handling: Field-reversible.
 12. Fasteners on Back Side of Device Channel: Concealed - exposed fasteners not allowed.
 13. Vertical Latch Assemblies' Operation: Gravity, without use of springs.
- C. Grades: Complying with BHMA A156.3, Grade 1.
- D. Options:
1. Electrified Devices:
 - a. Latchbolt Retraction: motorized latchbolt retraction.
 2. Internally mounted switch used to signal other components.
- E. Products:
1. 2000

2.05 REMOVABLE MULLIONS

- A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
- B. Properties:
1. Rectangular shape 3 inches (76 mm) by 2 inches (51 mm) tubes with minimum 1/8 inch (3.2 mm) wall thickness.
 2. Furnished by the same manufacturer as exit devices.
 3. Pre-drilled holes for installation of exit device strikes.
 4. Spacers: Provide as required for proper installation, based on frame profile and dimensions.
- C. Grades: Complying with BHMA A156.3.
- D. Materials: Manufacturer's standard for items specified.
1. Top and Bottom Brackets: Investment-cast steel.
- E. Options:
1. Furnish Keyed Removable “KR” feature and corresponding cylinders as specified.
 - a. Mullions capable of being installed without physical key present.
 - b. Physical key required to operate.
- F. Applications: As indicated on drawings and in Door Hardware Schedule.
- G. Products:
1. 822 Series.

2.06 MORTISE LOCKS

- A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
 2. No Substitute
- B. Properties:

1. Mechanical Locks: Manufacturer's standard.
 - a. Fitting modified ANSI A115.1 door preparation.
 - b. Door Thickness Coordination Fitting 1-3/4 inch (44 mm) to 2-1/4 inch (57 mm) thick doors.
 - c. Latch: Solid, one-piece, anti-friction, self-lubricating stainless steel.
 - 1) Latchbolt Throw: 3/4 inch (19 mm), minimum.
 - d. Auxiliary Deadlatch: One piece stainless steel, permanently lubricated.
 - e. Backset: 2-3/4 inch (70 mm).
 - f. Cylinders:
 - 1) Cylinder Core Types: Locks capable of supporting manufacturers' cores, as applicable.
 - (a) Small format interchangeable.
 - g. Lever Trim:
 - 1) Functionality: Allow the lever handle to move up to 45 degrees from horizontal position prior to engaging the latchbolt assembly.
 - 2) Strength: Locksets outside locked lever designed to withstand minimum 1,400 inch-lbs (158.2 Nm) of torque. In excess of that, a replaceable part will shear. Key from outside and/or inside lever will still operate lockset.
 - 3) Spindle: Designed to prevent forced entry from attacking of lever.
 - 4) Independent spring mechanism for each lever.
 - (a) Trim to be self-aligning and thru-bolted.
 - 5) Handles: Made of forged or cast brass, bronze, or stainless steel construction. Levers that contain a hollow cavity are not acceptable.
 - 6) Levers to operate a roller bearing spindle hub mechanism.
- C. Finishes: See Door Hardware Schedule.
 1. Core Faces: Match finish of lockset.
- D. Grades:
- E. Products: Mortise locks, including standard types.
 1. 40H.

2.07 CYLINDRICAL LOCKS

- A. Manufacturers:
 1. BEST, dormakaba Group: www.bestaccess.com/#sle.
 2. No Substitute
- B. Properties:
 1. Mechanical Locks:
 - a. Fitting modified ANSI A115.2 door preparation.
 - b. Door Thickness Fit: 1-3/8 inches (35 mm) to 2-1/4 inches (57 mm) thick doors.
 - c. Construction: Hub, side plate, shrouded rose, locking pin to be a one-piece casting with a shrouded locking lug.
 - 1) Through-bolted anti-rotational studs.
 - d. Cast stainless steel latch retractor with roller bearings for exceptionally smooth operation and superior strength and durability.
 - e. Bored Hole: 2-1/8 inch (54 mm) diameter.

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- f. Backset: 2-3/4 inches (70 mm) unless otherwise indicated.
 - g. Latch: Single piece tail-piece construction.
 - 1) Latchbolt Throw: 9/16 inch (14.3 mm), minimum.
 - h. Cylinders:
 - 1) Cylinder Core Types: Locks capable of supporting manufacturers' cores, as applicable.
 - (a) Small format interchangeable.
 - i. Lever Trim:
 - 1) Style: See Door Hardware Schedule.
 - 2) Functionality: Allow the lever handle to move up to 45 degrees from horizontal position prior to engaging the latchbolt assembly.
 - 3) Strength: Locksets outside locked lever designed to withstand minimum 1,400 inch-lbs (158.2 Nm) of torque. In excess of that, a replaceable part will shear. Key from outside and/or inside lever will still operate lockset.
 - 4) Independent spring mechanism for each lever.
 - (a) Contain lever springs in the main lock hub.
 - 5) Outside Lever Sleeve: Seamless one-piece construction.
 - 6) Keyed Levers: Removable only after core is removed by authorized control key.
- 2. Electrified Locks: Same properties as standard locks, and as follows:
 - a. Voltage: 24 VDC.
 - b. Function: Electrically locked (Fail Safe) or unlocked (Fail Secure), as indicated for each lock in Door Hardware Schedule.
 - c. Temperature Control Module (TCM).
- C. Finishes: See Door Hardware Schedule.
 - 1. Core Faces: Match finish of lockset.
- D. Grades: Comply with BHMA A156.2, Grade 1, Series 4000, Operational Grade 1, Extra Heavy Duty.
 - 1. Durability: Passing 50 million cycle tests verified by third party testing agency.
- E. Material: Manufacturer's standard for specified lock.
 - 1. Critical Latch and Chassis Components: Brass or corrosion-resistance treated steel.
 - 2. Outside Lever Sleeve: Hardened steel alloy.
- F. Options:
 - 1. Regulatory Compliance: As required by authorities having jurisdiction the State in which the Project is located.
 - a. California State Fire Marshal listing, Admin Code Title 19 and 24.
- G. Products: Cylindrical locks, including mechanical and electrified types.
 - 1. 9K (Grade 1).

2.08 WIRELESS LOCKS

- A. Manufacturers:
 - 1. BEST Locks; dormakaba USA, Inc www.bestaccess.com/#sle.
- B. Wireless Locks
 - 1. BEST Mortise Type Locks using Wi-Q™ Technology

- a. Tested and approved by BHMA for ANSI A156.13, Series 1000, Operational Grade 1, Extra-Heavy Duty, Security Grade 2 and be UL10C
 - b. Fit ANSI A115.1 door preparation
 - c. Functions and design as indicated in the hardware groups.
 - d. Solid, one-piece, 3/4-inch (19mm) throw, anti-friction latchbolt made of self-lubricating stainless steel.
 - e. Deadbolt functions shall have 1 inch (25mm) throw bolt made of hardened stainless steel.
 - f. Latchbolt and Deadbolt are to extend into the case a minimum of 3/8 inch (9.5mm) when fully extended.
 - g. Auxiliary deadlatch to be made of one piece stainless steel, permanently lubricated
 - h. Provide sufficient curved strike lip to protect door trim
 - i. Lever handles must be of forged or cast brass, bronze or stainless-steel construction and conform to ANSI A117.1. Levers that contain a hollow cavity are not acceptable.
 - j. Lock shall have self-aligning, thru-bolted trim
 - k. Levers to operate a roller bearing spindle hub mechanism.
 - l. Mortise cylinders of lock shall have a concealed internal setscrew for securing the cylinder to the lockset. The internal setscrew will be accessible only by removing the core, with the control key, from the cylinder body.
 - m. Spindle to be designed to prevent forced entry from attacking of lever.
 - n. Provide locksets with 7-pin removable and interchangeable core cylinders.
 - o. Each lever to have independent spring mechanism controlling it
 - p. Core face must be the same finish as the lockset.
 - q. Provide Request to Exit (RQE) switch and Door Position switch.
 - r. Provide Latch Position switch and Key Override switch.
2. BEST EX Exit Device using Wi-Q™ Technology.
- a. Tested and approved by BHMA for ANSI 156.3, Grade 1
 - b. Provide a deadlocking latchbolt
 - c. Non-fire rated exit devices shall have cylinder dogging.
 - d. Touchpad shall be “T” style.
 - e. Exposed components shall be of architectural metals and finishes.
 - f. Lever design shall match lockset lever design.
 - g. Provide strikes as required by application.
 - h. Fire exit devices to be listed for UL10C.
 - i. UL listed for Accident Hazard
 - j. Provide Door Position Switch
 - k. Provide Request to Exit (RQE) switch and Door Position switch TRIM.
 - l. UL Listed A Label for GYQS
 - m. Battery pack for primary power
 - n. Visible and audible user indicators
 - o. 2000 G's RMS shock resistance
 - p. Weatherproofed for exterior applications.
 - q. Operating temperature of -22 to +140 degrees Fahrenheit
3. Reader / Lock
- a. Integrated smart locking device with its own database.
 - b. Capability to make all decisions at the door.
 - c. Reader / Lock to be installed within the existing door ANSI cut out. There shall be no need to rout out the door to drive additional power through any electric transfer hinge. All requirements will be met within the reader / lock itself.

- d. Wireless Reader shall use an AA battery pack; no AC power shall be required at the door.
- e. The reader / lock shall also be able to operate as a fully stand-alone intelligent device making all the decisions in real time. In the unlikely event that the reader/lock is offline from the host, it shall continue to operate, storing and recording accesses until it is re-connected and back online to the host. The wireless reader/ lock shall be offered in one of four modes.
 - 1) As a self-contained cylindrical, reader / lock.
 - 2) As a self-contained mortise, reader / lock.
 - 3) As a supplemental exit device trim to be added to an existing exit device.
 - 4) As a wireless access controller interfaced to a hardwired reader and ancillary door devices such as an electric locking device, Request to Exit (RQE) switch,
- f. For mortise lock applications the wireless reader shall provide support for an integral Request to Exit (RQE), Door Switch Monitor (DS), Door Latch Position Switch (LS), and Key Over-ride Sensor (KOS).
- g. For exit device application the wireless reader shall provide support for an integral Request to Exit (RQE) switch, Door Position switch (DS) and Latchbolt Position switch (LS).
- h. The reader / lock shall support as a minimum the following “reader” technologies:
 - 1) Up to a 6-digit user defined PIN number of between 3 and 6 characters in length
 - 2) User defined Magnetic Stripe formats on either track 2 or track 3 of the Magnetic Stripe tracks.
 - 3) Support for 125 KHz. HID and Indala compatible Proximity cards with variable bit formats such that multiple user defined bit formats can be supported at the reader.
 - 4) Reader shall support a Dual Validation mode consisting of magnetic stripe and pin.
 - 5) As standard, the reader shall support exterior applications.
 - 6) Each reader / lock shall have battery power to meet 100,000 lock / transactions
 - 7) Each reader lock shall come with a minimum of 2,000 ID capacity, and be able to store locally, if offline, up to 99,000 transactions

2.10 CLOSERS

- A. Manufacturers:
 - 1. BEST, dormakaba Group www.bestaccess.com/#sle.
 - 2. No Substitute
- B. Properties:
 - 1. Surface Mounted Closers: Manufacturer's standard.
 - a. Construction: Single piece casted cast iron..
 - b. Hydraulic Fluid: All-weather type.
 - c. Arm Assembly: Standard for product specified.
 - 1) Include spring-loaded stop feature, as specified in Door Hardware Schedule.
 - 2) Parallel arm to be a heavy-duty rigid arm.

- 3) Where “IS” or “S-IS” arms are specified in hardware sets, if manufacturer does not offer this arm provide a regular arm mount closer in conjunction with a heavy-duty overhead stop equal to a dormakaba 900 Series.
- d. Covers:
 - 1) Type: Standard for product selected.
 - 2) Material: Plastic.
 - 3) Finish: Painted.
- C. Grades:
 - 1. Closers: Comply with BHMA A156.4, Grade 1.
 - a. Underwriters Laboratories Compliance:
 - 1) Product Listing: UL (DIR) and ULC for use on fire-resistance-rated doors.
 - (a) UL 228 - Door Closers-Holders, With or Without Integral Smoke Detectors.
- D. Types:
 - 1. Rack-and-pinion, surface-mounted. 1-1/2 inches (38 mm) minimum bore.
- E. Options:
 - 1. Delayed action, adjustable with an independent valve.
 - 2. Advanced backcheck.
- F. Installation:
 - 1. Mounting: Includes surface mounted installations.
 - 2. Mount closers on non-public side of door and stair side of stair doors unless otherwise noted in hardware sets.
 - 3. At outswinging exterior doors, mount closer on interior side of door.
 - 4. Provide adapter plates, shim spacers, and blade stop spacers as required by frame and door conditions.
 - 5. Where an overlapping astragal is included on pairs of swinging doors, provide coordinator to ensure door leaves close in proper order.
- G. Products:
 - 1. Surface Mounted:
 - a. EDH9000

2.11 PROTECTION PLATES

- A. Manufacturers:
- B. Properties:
 - 1. Plates:
 - a. Kick Plates: Provide along bottom edge of push side of every wood door with closer, except aluminum storefront and glass entry doors, unless otherwise indicated.
 - 1) Size: 10 inches (254 mm) high by 2 inch (51 mm) less door width (LDW) on push side of door.
 - b. Edges: Beveled, on four (4) unless otherwise indicated.
- C. Grades: Comply with BHMA A156.6.
- D. Material: As indicated for each item by BHMA material and finish designation.
 - 1. Metal Properties: Stainless steel.

- a. Metal, Standard Duty: Thickness 0.050 inch (1.27 mm), minimum.
- E. Installation:
 - 1. Fasteners: Countersunk screw fasteners

2.12 STOPS AND HOLDERS

- A. Manufacturers:
 - 1. Trimco: www.trimcohardware.com/#sle.
- B. General: Provide overhead stop/holder when wall or floor stop is not feasible.
- C. Grades:
 - 1. Wall Bumpers: Comply with BHMA A156.16 and Resilient Material Retention Test as described in this standard.
- D. Material: Base metal as indicated for each item by BHMA material and finish designation.
- E. Types:
 - 1. Wall Bumpers: Bumper, concave, wall stop.
- F. Installation:
 - 1. Non-Masonry Walls: Confirm adequate wall reinforcement has been installed to allow lasting installation of wall bumpers.
- G. Products:
 - 1. Wall Bumpers.

2.13 THRESHOLDS

- A. Manufacturers:
 - 1. National Guard Products, Inc: www.ngpinc.com/#sle.
- B. Properties:
 - 1. Threshold Surface: Fluted horizontal grooves across full width.
- C. Grades: Thresholds: Comply with BHMA A156.21.
- D. Material: Base metal as indicated for each item by BHMA material and finish designation.
 - 1. Threshold Assemblies: Aluminum.
- E. Types: As applicable to project conditions. Provide barrier-free type at every location where specified.
 - 1. Saddle Thresholds: Without thermal break.

2.14 WEATHERSTRIPPING AND GASKETING

- A. Manufacturers:
 - 1. National Guard Products, Inc: www.ngpinc.com/#sle.
- B. Properties:
 - 1. Adhesive-Backed Perimeter Gasketing: Silicone gasket material applied to frame with self- adhesive.

2. Rigid, Housed, Perimeter Gasketing: Neoprene bulb gasket material held in place by aluminum housing; fastened to frame stop with screws.
 3. Door Sweeps: Neoprene gasket material held in place by flat aluminum housing or flange; surface mounted to face of door with screws.
- C. Grades: Comply with BHMA A156.22.
- D. Products:
1. Weatherstripping: See Door Hardware Schedule.
 2. Smoke Seals: See Door Hardware Schedule.
 3. Door Bottom Seals:
 - a. Door Sweeps: See Door Hardware Schedule.

2.15 ELECTRIFIED HARDWARE

- A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
- B. Properties:
1. Power Supply Units: Manufacturer's standard.
 - a. Enclosures: Lockable NEMA Type 1, with hinged cover and knockouts.
 - b. Power: 24 VDC; 2 AMP.
 - 1) Incoming Power Voltage: 120 VAC.
 - c. Emergency Release Terminals: Designed to release devices upon activation of fire alarm system.
 - d. Auxiliary contacts for remote signaling.
 - e. User-selectable time delay from 0 to 4 minutes.
 - f. Fire Alarm System Interface: Standard.
 - 1) Fire alarm terminal with green LED indicating power is available.
 - g. Output Distribution Board with indicator LEDs.
 - h. On/Off LED power indicator.
 2. Wire Harnesses: Of sufficient length, with quick connectors.
 - a. Wire Harness End Connection to Power Supply or Junction Box: One end with bare leads.
- C. Products:
1. Power Supplies:
 - a. RPSMLR2.
 2. Wire Harnesses:
 - a. BEST wire harnesses.

2.16 KEYS AND CORES

- A. Manufacturers:
1. BEST, dormakaba Group: www.bestaccess.com/#sle.
 2. Substitutions: Not permitted.
- B. Properties: Complying with guidelines of BHMA A156.28.
1. Provide small format interchangeable core.

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2. Provide Patented CORMAX keys and cores.
 3. Provide keying information in compliance with DHI (KSN) standards.
 4. Keying Schedule: Arrange for a keying meeting, with Architect, Owner and hardware supplier, and other involved parties to ensure locksets and locking hardware, are functionally correct and keying complies with project requirements.
 5. Keying: Master keyed.
 6. Include construction keying and control keying with removable core cylinders.
 7. Supply keys in following quantities:
 - a. Master Keys: 4 each.
 - b. Construction Master Keys: 6 each.
 - c. Construction Keys: 15 each.
 - d. Construction Control Keys: 2 each.
 - e. Control Keys if New System: 2 each.
 - f. Change Keys: 2 each for each keyed core.
 8. Provide key collection envelopes, receipt cards, and index cards in quantity suitable to manage number of keys.
 9. Deliver keys with identifying tags to Owner by security shipment direct from manufacturer.
 10. Permanent Keys and Cores: Stamped with applicable key marking for identification. Do not include actual key cuts within visual key control marks or codes. Stamp permanent keys "Do Not Duplicate."
 11. Include installation of permanent cores and return construction cores to hardware supplier. Construction cores and keys to remain property of hardware supplier.
- C. Products:
1. Patented:
 - a. CORMAX.

2.17 FINISHES

- A. Finishes: Identified in Hardware Sets.

PART 3 EXECUTION

3.01 EXAMINATION

- A. Verify that doors and frames are ready to receive this work; labeled, fire-rated doors and frames are properly installed, and dimensions are as indicated on shop drawings.
- B. Correct all defects prior to proceeding with installation.
- C. Verify that electric power is available to power operated devices and of correct characteristics.

3.02 INSTALLATION

- A. Install hardware in accordance with manufacturer's instructions and applicable codes.
- B. Install hardware using the manufacturer's fasteners provided. Drill and tap all screw holes located in metallic materials. Do not use "Riv-Nuts" or similar products.

- C. Install hardware on fire-rated doors and frames in accordance with applicable codes and NFPA 80.
- D. Install hardware for smoke and draft control doors in accordance with NFPA 105.
- E. Use templates provided by hardware item manufacturer.
- F. Do not install surface mounted items until application of finishes to substrate are fully completed.
- G. Wash down masonry walls and complete painting or staining of doors and frames.
- H. Complete finish flooring prior to installation of thresholds.
- I. Door Hardware Mounting Heights: Distance from finished floor to center line of hardware item. As indicated in following list; unless noted otherwise in Door Hardware Schedule or on drawings.
 - 1. For Steel Doors and Frames: Install in compliance with DHI (LOCS) recommendations.
 - 2. For Steel Doors and Frames: See Section 081113.
 - 3. For Wood Doors: Install in compliance with DHI WDHS.3 recommendations.
 - 4. Flush Wood Doors: See Section 081416.
 - 5. Mounting heights in compliance with ADA Standards:
 - a. Locksets: 40-5/16 inch (1024 mm).
 - b. Push Plates/Pull Bars: 42 inch (1067 mm).
 - c. Deadlocks (Deadbolts): 48 inch (1219 mm).
 - d. Exit Devices: 40-5/16 inch (1024 mm).
 - e. Door Viewer: 43 inch (1092 mm); standard height 60 inch (1524 mm).
- J. Set exterior door thresholds with full-width bead of elastomeric sealant at each point of contact with floor providing a continuous weather seal; anchor thresholds with stainless steel countersunk screws.
- K. Include in installation for existing doors and frames any necessary field modification and field preparation of doors and frames for new hardware. Provide necessary fillers, reinforcements, and fasteners for mounting new hardware and to cover existing door and frame preparations.

3.03 FIELD QUALITY CONTROL

- A. Perform field inspection and testing under provisions of Section 014000 - Quality Requirements.

3.04 ADJUSTING

- A. Adjust work under provisions of Section 017000 - Execution and Closeout Requirements.
- B. Adjust hardware for smooth operation.
- C. Adjust gasketing for complete, continuous seal; replace if unable to make complete seal.

3.05 CLEANING

- A. Clean finished hardware in accordance with manufacturer's written instructions after final adjustments have been made.

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- B. Clean adjacent surfaces soiled by hardware installation activities.
- C. Replace items that cannot be cleaned to manufacturer's level of finish quality at no additional cost.

3.06 PROTECTION

- A. Protect finished Work under provisions of Section 017000 - Execution and Closeout Requirements.
- B. Do not permit adjacent work to damage hardware or finish.

3.07 HARDWARE SETS

Manufacturer List

Code	Name
BE	Best Access Systems
BY	By Related Section
DM	Dorma Door Controls
NA	National Guard
PR	BEST Precision Exit Devices
ST	BEST Hinges and Sliding
TECT	Tectus by Simonswerk
TR	Trimco

Option List

Code	Description
10-24 SSMS/LA	STAINLESS MACHINE SCREWS/LEAD ANCHOR
BF	Barrier Free Exit Device - 5lb Op. Force
C	Quick Connect Wiring System
CSK	COUNTER SINKING OF KICK and MOP PLATES
EPT Prep	EPT Prep (full mortise)
MLR	MOTORIZED LATCH RETRACTION
MS	MONITOR SWITCH
RQE	Request to Exit
VIB	Double Visual Indicator Option

Finish List

Code	Description
26D	Satin Chrome
32D	Satin Stainless Steel
626	Satin Chromium Plated
626AM	Satin Chrome - Antimicrobial Coating

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630	Satin Stainless Steel
689	Aluminum Painted
AL	Aluminum
BLACK	Black
F1	Anodized Silver
GREY	Grey

Hardware Sets

Set MISC – Provide the following hardware in addition to hardware for doors in below sets.

- 8 Wi-Q Gateway With
Ceiling Antenna WQMX-PG-C
4 Wi-Q Ceiling Gateway WQD-ACMO
NOTE: Coordinate all wire pulls and provide POE Network drops at each gateway location.

Set #01

Doors: 1601B

2	Exit Device - FSE REX	C MLR TS 2103	613	BE
2	Door Pull	1191-3	630	TR
2	Rim Cylinder	12E-72 PATD	613	BE
2	Closer	EHD9016 SPA90 DA AVB	695	BE
2	Floor Stop	1209HA	613	TR
2	Power Transfer	EPT-12C	613	PR
2	Door Position Switch	MC7		DM
1	Power Suppl	RPSMLR2BB		PR
2	Harness	WH-6E		ST
2	Harness	WH-192		ST
2	Harness	WH-XX PROVIDE LENGTH AS REQUIRED		ST
1	Card Reader	BY SECURITY		BY
1	Wireless Access Controller	WQX-WAC-C-B		BE
		BALANCE OF HARDWARE EXISTING TO REMAIN		

BY

NOTE: Doors are normally locked. Card reader will momentarily retract the latch of the exit devices and allow ingress. Ingress is also allowed with override key. In the event of power loss or fire alarm, doors will remain locked and ingress will only be allowed with a key. Egress is always allowed through touch bar. Doors may be remotely dogged during business hours. REX shunts alarm.

Verify specified door hardware is compatible with existing door and frame conditions.

Set #01A

Doors: 1601A

2	Exit Device - FSE REX	C MLR TS 2103	613	BE
2	Door Pull	1191-3	613	TR
2	Rim Cylinder	12E-72 PATD	613	BE
1	Closer	EHD9016 SPA90 DA AVB	695	BE

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2	Automatic Operator	EXISTING TO REMAIN		BY
2	Floor Stop	1209HA	613	TR
2	Power Transfer	EPT-12C	613	PR
2	Door Position Switch	MC7		DM2
	Harness	WH-6E		ST
2	Harness	WH-192		ST
2	Harness	WH-XX PROVIDE LENGTH AS REQUIRED		ST
1	Card Reader	BY SECURITY		BY
1	Wireless Access			
	Controller	WQX-WAC-C-B		BE
		BALANCE OF HARDWARE EXISTING TO REMAIN		

BY

NOTE: Doors are normally locked. Card reader will momentarily retract the latch of the exit devices and allow ingress. Ingress is also allowed with override key. In the event of power loss or fire alarm, doors will remain locked and ingress will only be allowed with a key. Egress is always allowed through touch bar. Doors may be remotely dogged during business hours. REX shunts alarm.

Verify specified door hardware is compatible with existing door and frame conditions.

Set #02

Doors: 1604A, 1606A, 1608A, 1625A, 1626A, 1633A, 1634A, 1635A

1	Exit Device - FSE REX	Q2103 CD	613	BE
1	Wi-Q Wireless Exit Trim	EXQ-7EV15PKP PATD	626	BE
1	Mortise Cylinder	1E-74 PATD	626	BE
1	Closer - Stop Arm	EHD9016 SDS90 DA AVB	689	BE
1	Saddle Threshold	425 E 10-24 SSMS/LA	AL	NA
		BALANCE OF HARDWARE EXISTING TO REMAIN		

BY

NOTE: Door is normally locked. Card reader will momentarily release the lock and allow ingress. Ingress is also allowed through override key. In the event of power loss or fire alarm, door will remain locked and ingress will only be allowed with a key. Egress is always allowed through inside handle. REX shunts alarm.

Verify specified door hardware is compatible with existing door and frame conditions.

Set #03

NOT USED

Set #04

Doors: 1602A

1	Continuous Hinge	661HD UL EPT Prep	AL	ST
1	Exit Device - FSE REX	Q2103 CD	630	BE
1	Wi-Q Wireless Exit Trim	EXQ-7EV15PKP PATD	626	B
1	Mortise Cylinder	1E-74 PATD	626	BE
1	Closer - Stop Arm	EHD9016 SDS90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Integral Seals	BY FRAME / DOOR MFR.		BY

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1	Door Sweep	C699A		NA
1	Saddle Threshold	425 E 10-24 SSMS/LA	AL	NA

NOTE: Door is normally locked. Card reader will momentarily retract the latch of the exit device and allow ingress. Ingress is also allowed with override key. In the event of power loss or fire alarm, doors will remain locked and ingress will only be allowed with a key. Egress is always allowed through touch bar. Doors may be remotely dogged during business hours. REX shunts alarm.

Set #05

Doors: 1604B

3	Butt Hinge	CB168 4.5" x 4.5" NRP	26D	ST
1	Exit Device - FSE REX	FL Q2103	630	BE
1	Wi-Q Wireless Exit Trim	EXQ-7EV15PKP PATD	626	BE
1	Closer	EHD9016 SPA90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Wall Bumper	1270CV	626	TR
1	Door Position Switch	MC7		DM
1	Gasketing	5050 B Head & Jambs		NA

NOTE: Door is normally locked. Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

Set #06

Doors: 1657A

3	Butt Hinge	CB168 5" X 4.5" NRP	26D	ST
1	Exit Device - FSE REX	FL Q2103	630	BE
1	Wi-Q Wireless Exit Trim	EXQ-7EV15PKP PATD	626	BE
1	Mortise Cylinder	1E-74 PATD	626	BE
1	Closer - Stop Arm	EHD9016 SDS90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Door Position Switch	MC7		DM
1	Gasketing	5050 B Head & Jambs		NA

NOTE: Door is normally locked. Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

Set #07

Doors: 1658A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Wi-Q Wireless Lock	9KQ-7DV15PKP PATD	626	BE
1	Closer	EHD9016 AF90 DA AVB	689	BE
1	Wall Bumper	1270CV	626	TR
1	Door Position Switch	MC7		DM
1	Gasketing	5050 B Head & Jambs		NA

NOTE: Door is normally locked. Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

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Set #08

Doors: 1620A, 1621A, 1626B, 1638A, 1642A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Wi-Q Wireless Lock	9KQ-7DV15PKP PATD	626	BE
1	Closer - Stop Arm	EHD9016 SDS90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Door Position Switch	MC7		DM
1	Gasketing	5050 B Head & Jambs		NA

NOTE: Door is normally locked. Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

Set #09

Doors: 1632A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Wi-Q Wireless Lock	9KQ-7DV15PKP PATD	626	BE
1	Closer - Stop Arm	EHD9016 SDS90 DA AVB	689	BE
1	Door Position Switch	MC7		DM
1	Gasketing	5050 B Head & Jambs		NA

NOTE: Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

Set #10

Doors: 1606B, 1609A, 1610A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Wi-Q Wireless Lock	9KQ-7DV15PKP PATD	626	BE
1	Closer	EHD9016 AF90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Wall Bumper	1270CV	626	TR
1	Card Reader	BY SECURITY		BY
3	Silencer	1229A	GREY	TR

NOTE: Door is normally locked. Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

Set #11

Doors: 1607A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Wi-Q Wireless Lock	9KQ-7DV15PKP PATD	626	BE
1	Closer - Stop Arm	EHD9016 SIS90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Door Position Switch	MC7		DM
3	Silencer	1229A	GREY	TR

NOTE: Door is normally locked. Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

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Set #12

Doors: 1608B, 1611A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Wi-Q Wireless Lock	9KQ-7DV15PKP PATD	626	BE
1	Closer	EHD9016 SPA90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Wall Bumper	1270CV	626	TR
1	Door Position Switch	MC7		DM
3	Silencer	1229A	GREY	TR

NOTE: Door is normally locked. Presenting proper credentials to the card reader will momentarily release the exit device trim to allow ingress.

Set #13

Doors: 1622A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Lockset - Storeroom	9K3-7D15D PATD	626	BE
1	Closer	EHD9016 AF90 DA AVB	689	BE
1	Wall Bumper	1270CV	626	TR
3	Silencer	1229A	GREY	TR

Set #14

Doors: 1623A

1	Lockset - Storeroom	9K3-7D15D PATD	626	BE
1	Closer - Stop Arm	EHD9016 SDS90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
3	Concealed Hinge	TE 340 3D	F1	TECT
1	Gasketing	5050 B Head & Jambs		NA

Set #15

Doors: 1602C

1	Privacy w/ Indicator	45H-0L15H VIB	626AM	BE
1	Closer	EHD9016 AF90 DA AVB	689	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Wall Bumper	1270CV	626	TR
3	Concealed Hinge	TE 340 3D	F1	TECT
3	Silencer	1229A	GREY	TR

Set #16

Doors: 1649A, 1650A, 1651A, 1652A, 1653A, 1654A, 1655A, 1656A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Privacy w/ Indicator	45H-0L15H VIB	626AM	BE
1	Overhead Stop	910 S Series	626	DM
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR

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3	Silencer	1229A	GREY	TR
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Set #17

Doors: 1648A,, 1652A, 1653A, , 1660A

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Privacy w/ Indicator	45H-0L15H VIB	626AM	BE
1	Kick Plate	K0050 - 10" x 2" LDW CSK	630	TR
1	Wall Bumper	1270CV	626	TR
3	Silencer	1229A	GREY	TR

Set #18

Doors: 1602B,

2	Flush Pull	1115	630	TR
1	Bi-Passing Hardware Set	SLAL-250-BP-2DR		NA

Set #19

Doors: 1607B

1	Bi-Fold Hardware Set	SLAL-75-BF4DR		NA
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Set #20

Doors: 1604E, 1659A

1		ALL HARDWARE BY DOOR MFR.		BY
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Set #21

Doors: 1604C

3	Butt Hinge	CB179 4.5" x 4.5"	26D	ST
1	Passage Set	9K3-0N15D	626	BE
1	Closer - Stop Arm	EHD9016 SDS90 DA AVB	689	BE
3	Silencer	1229A	GREY	TR

Opening List

Opening	Hardware Set
1601A	01
1601B	01
1602A	04
1602B	18
1602C	15
1604A	02
1604B	05
1604C	21
1604E	20
1606A	02

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1606B	10
1607A	11
1607B	19
1608A	02
1608B	12
1609A	10
1610A	10
1611A	12
1620A	08
1621A	08
1622A	13
1623A	14
1625A	02
1626A	02
1626B	08
1632A	09
1633A	02
1634A	02
1635A	02
1638A	08
1642A	08
1648A	17
1649A	16
1650A	16
1651A	16
1652A	17
1653A	17
1654A	16
1655A	16
1656A	16
1657A	06
1658A	07
1659A	20
1660A	17

END OF SECTION

SECTION 096519 - RESILIENT TILE FLOORING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Luxury Vinyl Tile
 - 2. Rigid Core Tile.

1.3 ACTION SUBMITTALS

- A. Product Data: For each type of product.
- B. Sustainable Design Submittals:
 - 1. Product Data: For adhesives, include printed statement of VOC content and chemical components.
- C. Shop Drawings: For each type of resilient floor tile.
 - 1. Include floor tile layouts, edges, columns, doorways, enclosing partitions, built-in furniture, cabinets, and cutouts.
 - 2. Show details of special patterns.
- D. Samples: Full-size units of each color, texture, and pattern of floor tile required.
- E. Product Schedule: For floor tile. Use same designations indicated on Drawings.

1.4 INFORMATIONAL SUBMITTALS

- A. Qualification Data: For Installer.
- B. Submit Safety Data Sheets (SDS) available for adhesives, moisture mitigation systems, primers, patching/leveling compounds, floor finishes (polishes) and cleaning agents and Material Information Sheets for flooring products.

1.5 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For each type of floor tile to include in maintenance manuals.

1.6 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Floor Tile: Furnish one box for every 50 boxes or fraction thereof, of each type, color, and pattern of floor tile installed.

1.7 QUALITY ASSURANCE

- A. Installer Qualifications: An entity that employs installers and supervisors who are competent in techniques required by manufacturer for floor tile installation and seaming method indicated.
 - 1. Engage an installer who employs workers for this Project who are trained or certified by floor tile manufacturer for installation techniques required.
- B. Environmental: Provide resilient tile flooring that is FloorScore Certified.
- C. Fire Performance Characteristics: Provide resilient tile flooring with the following fire performance characteristics as determined by testing material in accordance with ASTM test methods indicated below by a certified testing laboratory or other testing agency acceptable to authorities having jurisdiction:
 - 1. ASTM E 648 (NFPA 253) Critical Radiant Flux of 0.45 watts per sq. cm. or greater, Class I
 - 2. ASTM E 662 (NFPA 258) (Smoke Generation) Maximum Specific Optical Density of 450 or less
- D. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for materials and execution.
 - 1. Coordinate mockups in this Section with mockups specified in other Sections.
 - a. Size: Minimum 100 sq. ft. (9.3 sq. m) for each type, color, and pattern in locations directed by Architect.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.
 - 3. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.8 DELIVERY, STORAGE, AND HANDLING

- A. Comply with manufacturer's ordering instructions and lead time requirements to avoid construction delays.
- B. Deliver materials in good condition to the jobsite in the manufacturer's original unopened containers that bear the name and brand of the manufacturer, project identification, and shipping and handling instructions.
- C. Store floor tile and installation materials in dry spaces protected from the weather, with ambient temperatures maintained within range recommended by manufacturer, but not less than 55 deg F (13 deg C) or more than 85 deg F (29deg C). Store floor tiles on flat surfaces.
- D. Store tiles on a flat surface and squarely on top of one another.
- E. Store away from vents and direct sunlight.
- F. When palletizing, first place a 5/8" or thicker plywood on the pallet. Stack 2 rows high side by side with no airspace between. Then quarter turn for 2 rows side by side. Do not exceed 12 boxes high. If you are stacking pallets, use a 1" thick plywood in between pallets.

1.9 FIELD CONDITIONS

- A. The permanent HVAC system must be on for 7 days prior to, during and after installation between 65 and 85 degrees Fahrenheit or 18 to 29 degrees Celsius as recommended by manufacturer.
- B. Material and adhesive must be acclimated to the installation area for a minimum of 48 hours prior to installation.
- C. After installation and until Substantial Completion, maintain ambient temperatures within range recommended by manufacturer, but not less than 55 deg F (13 deg C) or more than 85 deg F (29deg C).
- D. Close spaces to traffic during floor tile installation and 48 hours after completion.
- E. Install floor tile after other finishing operations, including painting, have been completed.
- F. Protect all materials from the direct flow of heat from hot-air registers, radiators, or other heating fixtures and appliances.

1.10 WARRANTY

- A. Resilient Flooring System: Submit a written warranty executed by the manufacturer, agreeing to repair or replace system (subfloor preparation products, adhesive, and floor covering) that fails within the warranty period.

- B. Limited Warranty Period: 10 years on top of the Resilient Flooring Limited Warranty

PART 2 - PRODUCTS

2.1 PERFORMANCE REQUIREMENTS

- A. Fire-Test-Response Characteristics: For resilient floor tile, as determined by testing identical products according to ASTM E648 or NFPA 253 by a qualified testing agency.
 - 1. Critical Radiant Flux Classification: Class I, not less than 0.45 W/sq. cm.
- B. Flooring along the accessible route shall be stable, firm and slip resistant, per CBC 11B-302.1.
- C. Verify flooring products comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2 January 2017.

2.2 LUXURY VINYL FLOOR TILE **LVT-3, LVT-4** **(ADDENDUM #2)**

- A. Luxury vinyl plank floor tile.
 - 1. Products: Subject to compliance with requirements, provide the following:
 - a. **Flexco Floors; Natural Elements** **(ADDENDUM #2)**
 - b. Or approved equal.
- B. Class ASTM F1700: Class III, Type B Commercial luxury vinyl tile.
 - 1. Testing:
 - a. Slip Resistance: ASTM D2047: ADA Compliant
 - b. Squareness: ASTM F2421 – Passes
 - c. Size and Tolerance: ASTM F2055 – Passes
 - d. Thickness: ASTM F386 – Passes
 - e. Flexibility: ASTM F137 – Passes
 - f. Dimensional Stability: ASTM F2199 – Passes
 - g. Static Load: ASTM F970 – Passes
 - h. Residual Indentation: ASTM F1914- Passes
 - i. Resistance to Chemicals: ASTM F925- Passes
 - j. Resistance to Light: ASTM F1515 – Passes
 - k. Resistance to Heat: ASTM F1514 – Passes
 - l. Critical Radiant Flux: ASTM E648 – 0.45 W/sq. cm., Class I
 - m. Smoke Density: ASTM E662 – Passes, <450
- C. Wear Layer Thickness: 20 mil (.51 mm)

- D. Overall Thickness: 0.120 inch (3.0 mm)
- E. Backing Class: Commercial Grade
- F. Installation: Direct Glue
- G. Size:
 - 1. **LVT 3: 6 by 48 inches**
 - 2. **LVT 4: 18 by 18 inches****(ADDENDUM #2)**
- H. Colors and Patterns: As selected by Architect from manufacturer's full range

2.3 RIGID CORE FLOOR TILE LVT-1, LVT-2 (ADDENDUM #2)

- A. Mineral core floor tile, waterproof, PVC-free with scratch, stain and water resistance.
 - 1. Products: Subject to compliance with requirements, provide the following:
 - a. Shaw Contract; Rigid Mineral Core with Inline Level Edge Profile.
 - b. Or approved equal.
- B. Class ASTM F1700: Class I, Type B.
 - 1. Testing:
 - a. Slip Resistance: ASTM D2047: ADA Compliant
 - b. Static Load: ASTM F970 – Passes
 - c. Resistance to Chemicals: ASTM F925- Passes
 - d. Resistance to Light: ASTM F1515 – Passes
 - e. Resistance to Heat: ASTM F1514 – Passes
 - f. Smoke Density: ASTM E662 – Passes, <450
- C. Overall Thickness: 0.236 inch (6 mm)
- D. Backing Class: Commercial Grade
- E. Installation: Direct Glue
 - 1. Install under casework. See Part 3 for more information.
- F. Size: 6 by 48 inches (152 by 1220 mm).
- G. Colors and Patterns: As selected by Architect from manufacturer's full range.

2.4 ADHESIVES

- A. Adhesives: Water-resistant type recommended by floor tile and adhesive manufacturers to suit floor tile and substrate conditions indicated.
 - 1. Verify adhesive complies with the testing and product requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

2.5 INSTALLATION MATERIALS

- A. Trowelable Leveling and Patching Compounds: Latex-modified, portland-cement-based formulation provided or approved by resilient floor tile manufacturer for applications indicated.

2.6 ACCESSORIES

- A. Provide transition/reducing strips tapered to meet abutting materials.
- B. Provide threshold of thickness and width as shown on the drawings.
- C. 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.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, with Installer present, for compliance with requirements for maximum moisture content and other conditions affecting performance of the Work.
 - 1. Examine subfloors prior to installation to determine that surfaces are smooth and free from cracks, holes, ridges, and other defects that might prevent adhesive bond or impair durability or appearance of the flooring material.
 - 2. Inspect subfloors prior to installation to determine that surfaces are free from curing, sealing, parting and hardening compounds; residual adhesives; adhesive removers; and other foreign materials that might prevent adhesive bond. Visually inspect for evidence of moisture, alkaline salts, carbonation, dusting, mold, or mildew.
 - 3. Report conditions contrary to contract requirements that would prevent a proper installation. Do not proceed with the installation until unsatisfactory conditions have been corrected.

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4. Failure to call attention to defects or imperfections will be construed as acceptance and approval of the subfloor. Installation indicates acceptance of substrates with regard to conditions existing at the time of installation.
- B. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 PREPARATION

- A. Prepare substrates according to floor tile manufacturer's written instructions to ensure adhesion of resilient products.
- B. Concrete Substrates: Prepare according to ASTM F710.
1. Verify that substrates are dry and free of curing compounds, sealers, and hardeners.
 2. Remove substrate coatings and other substances that are incompatible with adhesives and that contain soap, wax, oil, or silicone, using mechanical methods recommended by floor tile manufacturer. Do not use solvents.
 3. Alkalinity and Adhesion Testing: Perform tests recommended by floor tile manufacturer. Proceed with installation only after substrate alkalinity falls within range on pH scale recommended by manufacturer in writing, but not less than 7 or more than 10 pH.
 4. Moisture Testing: Perform tests so that each test area does not exceed 1000 sq. ft. (304.8 sq. m), and perform no fewer than three tests in each installation area and with test areas evenly spaced in installation areas.
 - a. Anhydrous Calcium Chloride Test: ASTM F1869. Proceed with installation only after substrates have maximum moisture-vapor-emission rate of 3 lb of water/1000 sq. ft. (1.36 kg of water/92.9 sq. m) in 24 hours.
 - b. Relative Humidity Test: Using in-situ probes, ASTM F2170. Internal Relative Humidity value must not exceed 90% RH prior to installation.
- C. Smooth concrete surfaces, removing rough areas, projections, ridges, and bumps, and filling low spots, control or construction joints, and other defects with cement-based underlayment as recommended by the flooring manufacturer.
- D. Remove paint, varnish, oils, release agents, sealers, and waxes. Remove residual adhesives as recommended by the flooring manufacturer. Remove curing and hardening compounds not compatible with the adhesives used, as indicated by a bond test or by the compound manufacturer's recommendations for flooring. Avoid organic solvents.
- E. Do not install floor tiles until materials are the same temperature as space where they are to be installed.
1. At least 48 hours in advance of installation, move resilient floor tile and installation materials into spaces where they will be installed.

- F. Immediately before installation, sweep and vacuum clean substrates to be covered by resilient floor tile.

3.3 FLOOR TILE INSTALLATION

- A. Comply with manufacturer's written instructions for installing floor tile.
- B. Lay out floor tiles from center marks established with principal walls, discounting minor offsets, so tiles at opposite edges of room are of equal width. Adjust as necessary to avoid using cut widths that equal less than one-half tile at perimeter.
 - 1. Lay tiles in pattern indicated.
 - 2. Plank products should have a minimum of 8 inch seam stagger.
- C. In hallways and small spaces, work lengthwise from one end.
- D. Match floor tiles for color and pattern by selecting tiles from cartons in the same sequence as manufactured and packaged, if so numbered. Discard broken, cracked, chipped, or deformed tiles.
 - 1. Lay tiles in pattern of colors and sizes indicated.
- E. Scribe, cut, and fit floor tiles to butt neatly and tightly to vertical surfaces and permanent fixtures including built-in furniture, cabinets, pipes, outlets, and door frames.
 - 1. If you cut the product into a fine point, it may delaminate. Use an ethyl cyanoacrylate-based super glue to fuse the points together. Clean all glue from the top surface immediately. Alcohol-based super glues may cause the vinyl to swell.
- F. Extend floor tiles into toe spaces, door reveals, closets, and similar openings. Extend floor tiles to center of door openings.
- G. Where Rigid Floor is indicated to be installed, extend flooring in locations where casework is indicated to be located. Install Rigid Flooring prior to casework installation.
- H. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on floor tiles as marked on substrates. Use chalk or other nonpermanent marking device.
- I. Install flooring with adhesives, tools, and procedures in strict accordance with the manufacturer's instructions. Observe the recommended adhesive trowel notching, open times, and working times.
- J. Roll the plank or tile with a 3-section 100 lb. roller. Re-roll the floor within the working time of the adhesive. Continue to roll the floor throughout the working day to ensure a proper bond.

3.4 ACCESSORY INSTALLATION

- A. Place resilient edge strips tightly butted to flooring, and secure with adhesive recommended by the edge strip manufacturer. Install edge strips at edges of flooring that would otherwise be exposed.
- B. Apply butt-type metal edge strips where shown on the drawings, after flooring installation. Secure units to the substrate, complying with the edge strip manufacturer's recommendations.

3.5 CLEANING AND PROTECTION

- A. Comply with manufacturer's written instructions for cleaning and protecting floor tile.
- B. Perform the following operations immediately after completing floor tile installation:
 - 1. Remove adhesive and other blemishes from surfaces.
 - 2. Sweep and vacuum surfaces thoroughly.
 - 3. Damp-mop surfaces to remove marks and soil.
- C. Protect floor tile from mars, marks, indentations, and other damage from construction operations and placement of equipment and fixtures during remainder of construction period.
 - 1. Do not use a plastic adhesive-based protection system.
- D. Cover floor tile until Substantial Completion.

END OF SECTION 096519

SECTION 096813 - TILE CARPETING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

- A. Section Includes:
 - 1. Modular carpet tile.
- B. Related Requirements:
 - 1. Section 024119 "Selective Demolition" for removing existing floor coverings.
 - 2. Section 096513 "Resilient Base and Accessories" for resilient wall base and accessories installed with carpet tile.

1.3 PREINSTALLATION MEETINGS

- A. Preinstallation Conference: Conduct conference at Project site.
 - 1. Review methods and procedures related to carpet tile installation including, but not limited to, the following:
 - a. Review delivery, storage, and handling procedures.
 - b. Review ambient conditions and ventilation procedures.
 - c. Review subfloor preparation procedures.

1.4 ACTION SUBMITTALS

- A. Product Data: For each type of product.
 - 1. Include manufacturer's written data on physical characteristics, durability, and fade resistance.
 - 2. Include manufacturer's written installation recommendations for each type of substrate.
- B. Sustainable Design Submittals:

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1. Certificate showing compliance with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers." Version 1.2 January 2017.
 1. Green Label Plus Certified
 2. Cradle to Cradle Certified Gold
 3. NSF 140 Gold Certification
- C. Shop Drawings: For carpet tile installation, plans showing the following:
1. Columns, doorways, enclosing walls or partitions, built-in cabinets, and locations where cutouts are required in carpet tiles.
 2. Carpet tile type, color, and dye lot.
 3. Type of subfloor.
 4. Type of installation.
 5. Pattern of installation.
 6. Pattern type, location, and direction.
 7. Pile direction.
 8. Type, color, and location of insets and borders.
 9. Type, color, and location of edge, transition, and other accessory strips.
 10. Transition details to other flooring materials.
- D. Floor schedule using the same room designations indicated on drawings.
- E. Product Schedule: For carpet tile. Use same designations indicated on drawings.
- F. Samples for Initial Selection: For each type of carpet tile.
1. Include Samples of exposed edge, transition, and other accessory stripping involving color or finish selection.
- G. Samples for Verification: For each of the following products and for each color and texture required. Label each Sample with manufacturer's name, material description, color, pattern, and designation indicated on Drawings and in schedules.
1. Carpet Tile: Full-size Sample.
 2. Exposed Edge, Transition, and Other Accessory Stripping: **12-inch- (300-mm-)** long Samples.
- H. Sustainable Product Certification: Provide ANSI/NSF 140 certification for carpet products.
- 1.5 INFORMATIONAL SUBMITTALS
- A. Qualification Data: For Installer.

- B. Manufacturer's Installation Instructions: Indicate special procedures and perimeter conditions requiring special attention.
- C. Verification of reclamation and recycling process.
- D. Product Test Reports: For carpet tile, for tests performed by a qualified testing agency.
- E. Sample Warranty: For special warranty.

1.6 CLOSEOUT SUBMITTALS

- A. Maintenance Data: For carpet tiles to include in maintenance manuals. Include the following:
 - 1. Methods for maintaining carpet tile, including cleaning and stain-removal products and procedures and manufacturer's recommended maintenance schedule.
 - 2. Precautions for cleaning materials and methods that could be detrimental to carpet tile.

1.7 MAINTENANCE MATERIAL SUBMITTALS

- A. Furnish extra materials, from the same product run, that match products installed and that are packaged with protective covering for storage and identified with labels describing contents.
 - 1. Carpet Tile: Full-size units equal to 5 percent of amount installed for each type indicated, but not less than 10 sq. yd. (8.3 sq. m).

1.8 QUALITY ASSURANCE

- A. Manufacturer Qualifications
 - 1. Company specializing in manufacturing specified carpet with minimum 2 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 installer must be certified by the manufacturer prior to bid.
 - 2. Flooring installer to be a specialty installer 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 installer possessing Contract for the product installation shall not sub-contract the labor without written approval of the Project Manager.

5. Flooring installer will be responsible for proper product installation, including floor testing and preparation as specified by the manufacturer and job conditions herein.
 6. Flooring installer 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. Mockups: Build mockups to verify selections made under Sample submittals, to demonstrate aesthetic effects, and to set quality standards for fabrication and installation.
1. Build mockups at locations and in sizes shown on Drawings.
 2. Subject to compliance with requirements, approved mockups may become part of the completed Work if undisturbed at time of Substantial Completion.

1.9 DELIVERY, STORAGE, AND HANDLING

- A. Comply with the Carpet and Rug Institute's CRI 104.
- B. Deliver materials to the site in manufacturer's original packaging listing manufacturer's name, product name, identification number, and related information.
- C. Store in a dry location, between 65 degrees F and 90 degrees F and a relative humidity below 65%. Protect from damage and soiling. Store in pallet form as supplied by Manufacturer. Do not stack pallets.
- D. Make stored materials available for inspection by the Owner's representative.
- E. Store materials in area of installation for minimum period of 48 hours prior to installation.

1.10 FIELD CONDITIONS

- A. Comply with the Carpet and Rug Institute's CRI 104 for temperature, humidity, and ventilation limitations.
- B. Environmental Limitations: Do not deliver or install carpet tiles until spaces are enclosed and weathertight, wet-work in spaces is complete and dry, and ambient temperature and humidity conditions are maintained at levels planned for building occupants during the remainder of the construction period.
- C. Do not install carpet tiles over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive and concrete slabs have pH range recommended by carpet tile manufacturer.
- D. Where demountable partitions or other items are indicated for installation on top of carpet tiles, install carpet tiles before installing these items.
- E. Maintain minimum 65 degrees F ambient temperature and 65% Relative Humidity for 72 hours prior to, during, and 48 hours after installation.

- F. Sub-floor preparation is to include all required work to prepare the existing floor for installation of the product as specified in this document and Manufacturer's installation instructions.

1.11 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. The non-prorated lifetime limited warranty shall specifically warranty 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
- E. Tuft Bind warranty in lieu of edge ravel and zippering is not acceptable.

PART 2 - PRODUCTS

2.1 NSF 140-2007 CERTIFICATION

- A. Product must be certified at the Platinum level to ANSI standard NSF 140, the Sustainable Carpet Assessment Standard (SCAS). Product certification must be conducted by an independent, third party organization such as Scientific Certification Systems. Provide documentation.
- B. Product must be Silver level Cradle to Cradle Certified™ v3.1. Cradle to Cradle Certified is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.

2.2 RECYCLED PERFORMANCE REQUIREMENTS

- A. Recycled content
 - 1. Product must contain a minimum of 45% recycled content by weight. This percentage is calculated by dividing the weight of recycled content in one square yard of finished product

by the total weight of one square yard of finished product, and multiplying by 100. [(Recycle Content Weight) / (Total Product Weight) x 100].

2. Product must contain 28% 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 must be certified by a neutral, independent, third party organization such as Scientific Certification Systems. Product must 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.
4. Product must be available inclusive of 50% recycled content secondary backing.
 - a. Recycled content and post consumer content must not be subject to availability. Post industrial and post consumer recycled content of product installed must be the same as those required by Project requirements.
 - b. Also, Recycled content must be expressed as an exact percentage or a range. Statements such as “up to 60%” recycled content are not acceptable.
 - c. Manufacturer must fully comply with FTC Part 260 “Guides for the Use of Environmental Marketing Claims,” with respect to advertising, labeling, product inserts, catalogs and sales presentations of all its flooring products submitted and sold.

B. Product recyclability

1. Product must meet FTC guides for recyclability and must 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.
2. Recyclability of product installed must be the same as those required by Project requirements.

C. Recycling program

1. Manufacturer must 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 must be able to reclaim and recycle 100% of installed carpet. Like material as installed must be 100% recycled.
 - b. Manufacturer must have written guarantee that 100% of the recovered vinyl backed carpet will be recycled and that no portion of the product will be landfilled or incinerated (including waste-to-energy).

2.3 PERFORMANCE REQUIREMENTS

- A. 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.

B. Requirements listed below must be met by all products.

1. Flooring Radiant Panel: ASTM E-648 / NFPA 253: Class 1 (CRF: 0.45 watts/sq cm or greater)
2. Federal Flammability: CPSC FF 1-70: Passes
3. Smoke Density: ASTM E-662 / NFPA 258: < 450 Flaming Mode
4. Electrostatic Propensity: AATCC 134 (Step & Scuff): 3.0 kV or less
5. Static Coefficient of Friction: ASTM C-1028: Passes ADA Requirements for Accessible Routes (minimum 0.60)
6. Delamination of Secondary Backing of Pile Floor Coverings: ASTM D-3936: No Delamination
7. Lightfastness: AATCC 16E: > 4 @ 100 hours if solution dyed
8. TARR Severe Traffic: 3.5 minimum
9. Dimensional Stability: Aachen / ISO 2551: Maximum Change +/- 0.149%
10. Moisture Barrier: Moisture Penetration by Impact @ 10 psi: No Penetration of backing after 10,000 impacts

2.4 CARPET TILE CT-1, CT-2, CT-3

A. Products: Subject to compliance with requirements, provide the following:

1. Tarkett; ~~Aftermath II~~
 - a. **CT-1: Continuum** (Addendum #2)
 - b. **CT-2: Halftone**
 - c. **CT-3: Metri II**

B. Color: As selected by Architect from manufacturer's full range.

C. Construction:

1. Surface Texture: Pattered Loop
2. Stitch Rate: **9.5-10** pile units / inch (Addendum #2)
3. Tufted Weight: 17 oz/yd²
4. Pile Thickness (ASTM D5848): ~~0.08" (2.06 mm)~~ (Addendum #2)
 - a. **Continuum: 0.065" (1.65 mm)**
 - b. **Halftone: 0.095" (2.39 mm)**
 - c. **Metri II: 0.120" (3.10 mm)**

5. Dye Method: Solution Dyed/Yarn Dyed

D. Fiber Type: BCF Nylon with Statis Control & Soil Protection

1. Nylon Fiber: Bulkfed Continuous Filament (BCF) Nylon in a loop pile construction
2. For yarn containing recycled content, report post consumer and post industrial recycled content of the pile face yarn based on total yarn weight i.e. (Recycle Content in Pile Face Yarn) / (Total Weight of Pile Face Yarn) x 100

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3. Fiber to contain carbon-core filament for permanent static control. Topical treatments are not allowed.
4. Durable soil protection should be applied to the fiber during product manufacturing to resist fiber soiling.
5. Application Rate: 2% of Face Weight

E. Backing Characteristics

1. Primary Backing: Synthetic Non-Woven.
2. Secondary Backing: ethos modular with Omnicoat Technology
 - a. Density (ASTM D-1667): 65 Min. lbs/cu ft +/- 5%
 - b. Standard Size: 24" x 24"
 - c. Recycled Content: 50% Recycled Content Secondary Backing
 - d. Fiberglass Reinforced
 - e. Face yarn fully fused to secondary backing system that will not delaminate.
 - f. Delamination: No delamination per ASTM D3936
 - g. Product must not contain pesticides (US EPA Registered Antimicrobials). Installation adhesives are exempt from this section.

F. Environmental Impact: No pesticides added to product (US EPA Registered Antimicrobials)

G. Size: 24 by 24 inches (610 by 610 mm).

H. Performance Characteristics:

1. Dry Breaking Strength: Not less than 100 lbf (445 N) according to ASTM D2646.
2. Tuft Bind: Not less than 6.2 lbf (28 N) according to ASTM D1335.
3. Noise Reduction Coefficient (NRC): 0.15 minimum according to ASTM C423.

2.5 WALK OFF CARPET TILE CT-4

A. Products: Subject to compliance with requirements, provide the following:

1. Tarkett; Tandus Abrasive Action II

B. Color: As selected by Architect from manufacturer's full range.

C. Construction:

1. Surface Texture: Patterned Loop
2. Stitch Rate: 8 pile units / inch
3. Tufted Weight: 24 oz/yd²
4. Pile Thickness (ASTM D5848): 0.115" (2.92 mm)
5. Dye Method: Solution Dyed

D. Fiber Type: BCF Nylon with Statis Control & Soil Protection

1. Nylon Fiber: Bulk Continuous Filament (BCF) Nylon in a loop pile construction
2. For yarn containing recycled content, report post consumer and post industrial recycled content of the pile face yarn based on 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 allowed.
4. Durable soil protection should be applied to the fiber during product manufacturing to resist fiber soiling.
5. Application Rate: 2% of Face Weight

E. Backing Characteristics

1. Primary Backing: Synthetic Non-Woven.
2. Secondary Backing: ethos modular with Omnicoat Technology
 - a. Density (ASTM D-1667): 65 Min. lbs/cu ft +/- 5%
 - b. Standard Size: 24" x 24"
 - c. Recycled Content: 50% Recycled Content Secondary Backing
 - d. Fiberglass Reinforced
 - e. Face yarn fully fused to secondary backing system that will not delaminate.
 - f. Delamination: No delamination per ASTM D3936
 - g. Product must not contain pesticides (US EPA Registered Antimicrobials). Installation adhesives are exempt from this section.

F. Environmental Impact: No pesticides added to product (US EPA Registered Antimicrobials)

G. Size: 24 by 24 inches (610 by 610 mm).

H. Performance Characteristics:

1. Dry Breaking Strength: Not less than 100 lbf (445 N) according to ASTM D2646.
2. Tuft Bind: Not less than 6.2 lbf (28 N) according to ASTM D1335.
3. Noise Reduction Coefficient (NRC): 0.15 minimum according to ASTM C423.

2.6 INSTALLATION ACCESSORIES

- A. Trowelable Leveling and Patching Compounds: Latex-modified, hydraulic-cement-based formulation provided or recommended by carpet tile manufacturer.
- B. Adhesives: Water-resistant, mildew-resistant, nonstaining, pressure-sensitive type to suit products and subfloor conditions indicated, that comply with flammability requirements for installed carpet tile, and are recommended by carpet tile manufacturer for releasable installation.
- C. Metal Edge/Transition Strips: Extruded aluminum with mill finish of profile and width shown, of height required to protect exposed edge of carpet, and of maximum lengths to minimize running joints.

PART 3 - EXECUTION

3.1 EXAMINATION/PREPARATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104 and with carpet tile manufacturer's written installation instructions for preparing substrates indicated to receive carpet tile.
- B. 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.
 - 2. Remove sub-floor ridges and bumps. Fill cracks, joints, holes, and other defects.
- C. 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. Where carpet is adjacent to rigid core floor tile, provide underlayment to even out height of carpet and rigid core floor tile.

3.2 INSTALLATION

- A. General: Comply with the Carpet and Rug Institute's CRI 104, Section 10, "Carpet Tile," and with carpet tile manufacturer's written installation instructions.
- B. Product must meet the requirements of CRI's Green Label Plus (GLP) program for carpet. Provide documentation.
- C. Adhesive must meet the requirements of CRI's Green Label Plus program for adhesive. Provide documentation.
- D. Adhesives must be below the VOC content limits specified by the South Coast Air Quality Management District Rule #1168. Provide documentation.
- E. 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.
- F. Product as installed to be securely attached to the floor in compliance with Americans with Disabilities Act (ADA), Section 4.5.3.
- G. Installation Method: As recommended in writing by carpet tile manufacturer.

- H. Maintain dye-lot integrity. Do not mix dye lots in same area.
- I. Maintain pile-direction patterns recommended in writing by carpet tile manufacturer.
- J. Where demountable partitions or other items are indicated for installation on top of finished carpet tile floor, install carpet tile before installation of these items.
- K. Cut and fit carpet tile to butt tightly to vertical surfaces, permanent fixtures, and built-in furniture including cabinets, pipes, outlets, edgings, thresholds, and nosings. Bind or seal cut edges as recommended by carpet tile manufacturer.
- L. Extend carpet tile into toe spaces, door reveals, closets, open-bottomed obstructions, removable flanges, alcoves, and similar openings.
- M. Maintain reference markers, holes, and openings that are in place or marked for future cutting by repeating on carpet tile as marked on subfloor. Use nonpermanent, nonstaining marking device.
- N. Install pattern parallel to walls and borders.
- O. Roll with appropriate roller for complete contact of product with adhesive to sub-floor.
- P. Trim carpet neatly at walls and around interruptions.
- Q. Completed product is to be smooth and free of bubbles, puckers, and other defects.

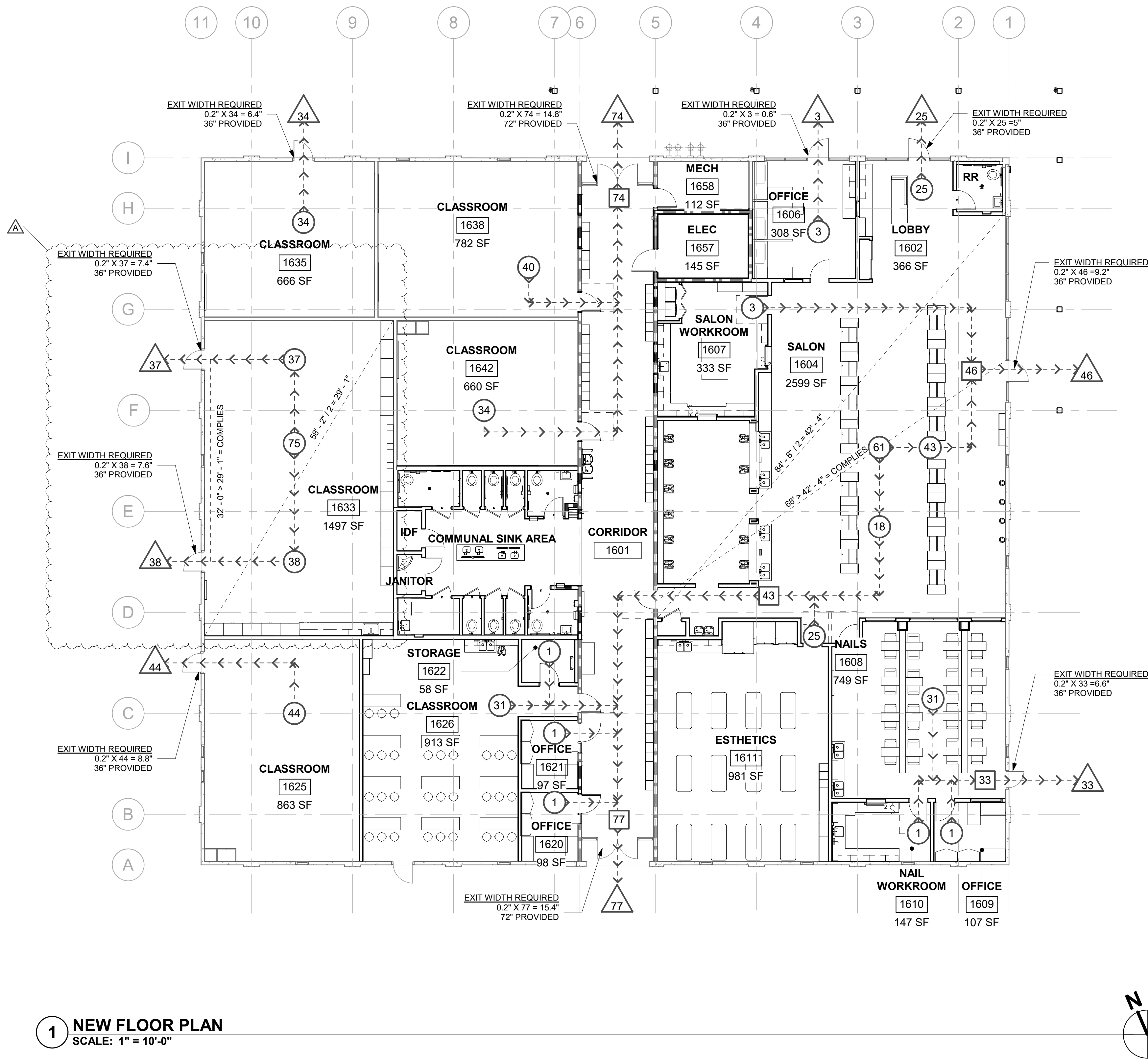
3.3 CLEANING AND PROTECTION

- A. Perform the following operations immediately after installing carpet tile:
 - 1. Remove excess adhesive and other surface blemishes using cleaner recommended by carpet tile manufacturer.
 - 2. Remove yarns that protrude from carpet tile surface.
 - 3. Vacuum carpet tile using commercial machine with face-beater element.
- B. Protect installed carpet tile to comply with the Carpet and Rug Institute's CRI 104, Section 13.7.
- C. Protect carpet tile against damage from construction operations and placement of equipment and fixtures during the remainder of construction period. Use protection methods indicated or recommended in writing by carpet tile manufacturer.

END OF SECTION 096813

CONSTRUCTION DOCUMENTS

48-C1
02-122010



BUILDING CODE ANALYSIS

BUILDING CONSTRUCTION TYPE

TYPE III-B	REQ. FIRE RESISTANCE RATING (PER CBC TABLE 601)
PRIMARY STRUCTURAL FRAME	0 HR
EXTERIOR BEARING WALLS	2 HR
INTERIOR BEARING WALLS	1 HR
EXTERIOR NON-BEARING WALLS	0 HR
INTERIOR NON-BEARING WALLS	0 HR
FLOORS & FLOOR CEILINGS	0 HR
ROOFS & ROOF CEILINGS	0 HR

SPRINKLER SYSTEM

NON-SPRINKLERED

REQUIRED OCCUPANCY SEPARATION

(E) 1H FIRE SEPARATION TO BE MAINTAINED AT THE CORRIDOR
NO SEPARATION IS REQUIRED BETWEEN B & S-1 OCCUPANCIES

BUILDING HEIGHT ANALYSIS

PER SEC. 504.3, EACH STORY SHALL INDIVIDUALLY COMPLY WITH THE REQUIREMENTS.

BUILDING OCCUPANCY B, S-1 and A-3

TOTAL HEIGHT: 16'-5", 1 STORY

ALLOWABLE HEIGHT: 55'-0", 2 STORY

= 16'-5" < 55'-0" THEREFORE OK

BUILDING AREA ANALYSIS

STORIES (1)	OCCUPANCY	BASIC ALL AREA	ACTUAL FLOOR AREA	TOTAL ALLOWABLE AREA* (SEC. 506.3)	
INTERIOR BUILDING	B	19,000SF	10,181 SF	$A_a = (A_i + [NS \times I])$ $A_a = 19,000 + [19,000 \times 0.75]$ $A_a = 33,250 SF$	TOTAL ALLOWABLE AREA 16,625 SF TOTAL ACTUAL BUILDING AREA 15,574 SF 16,625 > 15,574= THEREFOR OK
	S-1	17,500 SF	59 SF	$A_a = (A_i + [NS \times I])$ $A_a = 17,500 + [17,500 \times 0.75]$ $A_a = 30,625 SF$	
	A-3	9,500 SF	4,096 SF	$A_a = (A_i + [NS \times I])$ $A_a = 9,500 + [9,500 \times 0.75]$ $A_a = 16,625 SF$	
EXTERIOR SOLID CANOPY			1,091 SF		
TOTAL BUILDING AREA =			15, 574 SF		

EXITING ANALYSIS

NUMBER	NAME	AREA	OCCUPANCY GROUP	OCCUPANCY LOAD FACTOR, SF/OCC.	OCCUPANT LOAD	EXIT WIDTH REQUIRED, (INCHES)	REQ. # OF EXITS	EXIT WIDTH PROVIDED, (INCHES)
1602	LOBBY	366 SF	B	15	25	5	1	36
1604	SALON	2599 SF	A-3	30 STUDENTS + 30 CLIENTS + 1 INSTRUCTOR = 61		12.2	2	72
1606	OFFICE	308 SF	B	150	3	0.6	1	36
1607	SALON WORKROOM	333 SF	B	150	3	0.6	1	36
1608	NAILS	749 SF	B	30 FIXED SEATS + 1 INSTRUCTOR = 31		6.2	1	36
1609	OFFICE	107 SF	B	150	1	0.2	1	36
1610	NAIL WORKROOM	147 SF	B	150	1	0.2	1	36
1611	ESTHETICS	981 SF	B	12 FIXED SEATS + 12 STUDENTS + 1 INSTRUCTOR = 25		5	1	36
1620	OFFICE	98 SF	B	150	1	0.2	1	36
1621	OFFICE	97 SF	B	150	1	0.2	1	36
1622	STORAGE	58 SF	S-1	300	1	0.2	1	36
1625	CLASSROOM	863 SF	B	20	44	8.8	1	36
1626	CLASSROOM	913 SF	B	30 FIXED SEATS + 1 INSTRUCTOR = 31		6.2	1	36
1633	CLASSROOM	1497 SF	A-3	20	75	15	2	72
1635	CLASSROOM	666 SF	B	20	34	6.8	1	36
1638	CLASSROOM	782 SF	B	20	40	8	1	36
1642	CLASSROOM	660 SF	B	20	34	6.8	1	36

NOTE:
*EGRESS WIDTH CALCULATED AS OCCUPANT LOAD x 0.2" FOR ALL ROOMS.

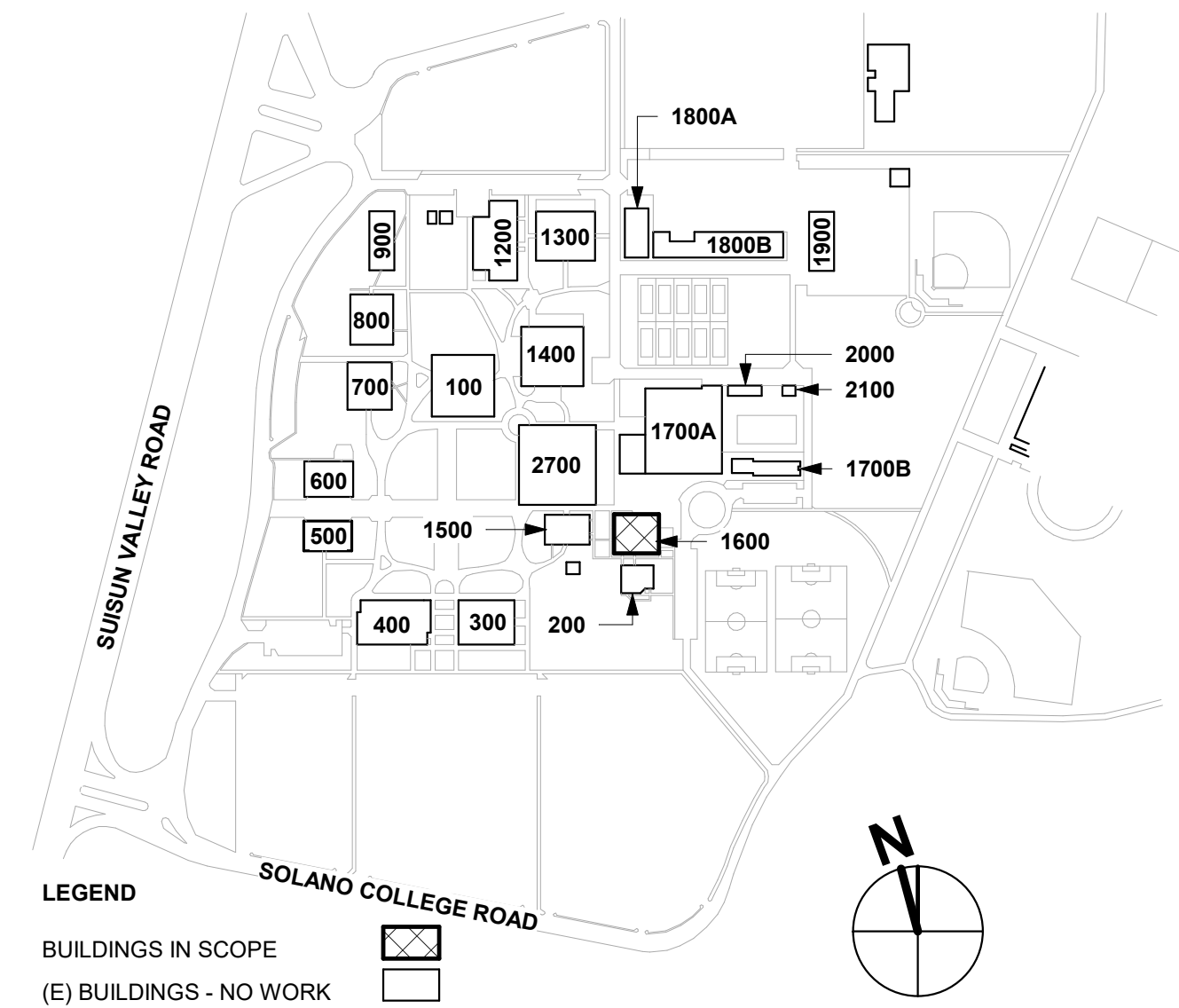
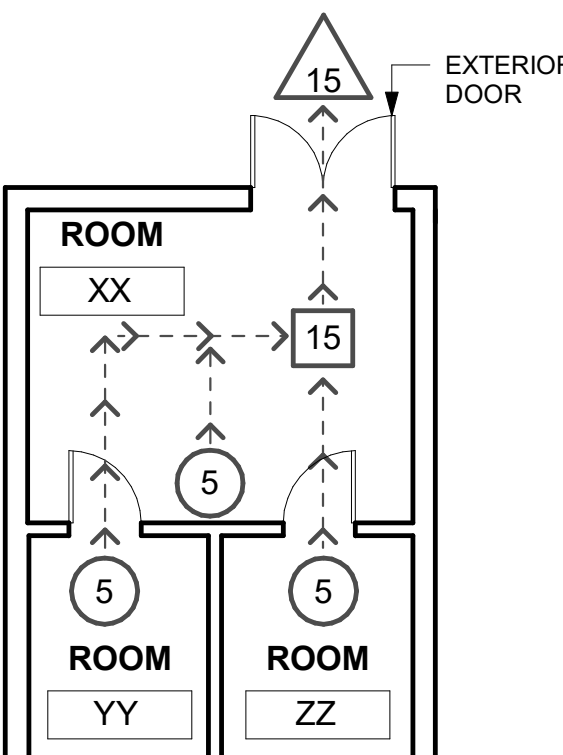
GRAPHIC KEY

WALL TYPES:

- (E) WOOD STUD WALL TO REMAIN
- 2HR RATED (E) CONCRETE WALL TO REMAIN
- (E) 1HR, RATED FIRE BARRIER
- NEW STUD WALL
- NEW 1HR, RATED FIRE BARRIER
- NEW 2HR, RATED FIRE BARRIER

EXIT ANALYSIS PATH OF TRAVEL

- ROOM OCCUPANT LOAD
- COMBINED OCCUPANT LOAD
- TOTAL FLOOR OCCUPANT LOAD



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PROJECT

Solano CCD BLDG 1600
MODERNIZATION



SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 48-C1

APPL # 02-122010

REVISIONS

No.	Description	Date
A	Addendum 2	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

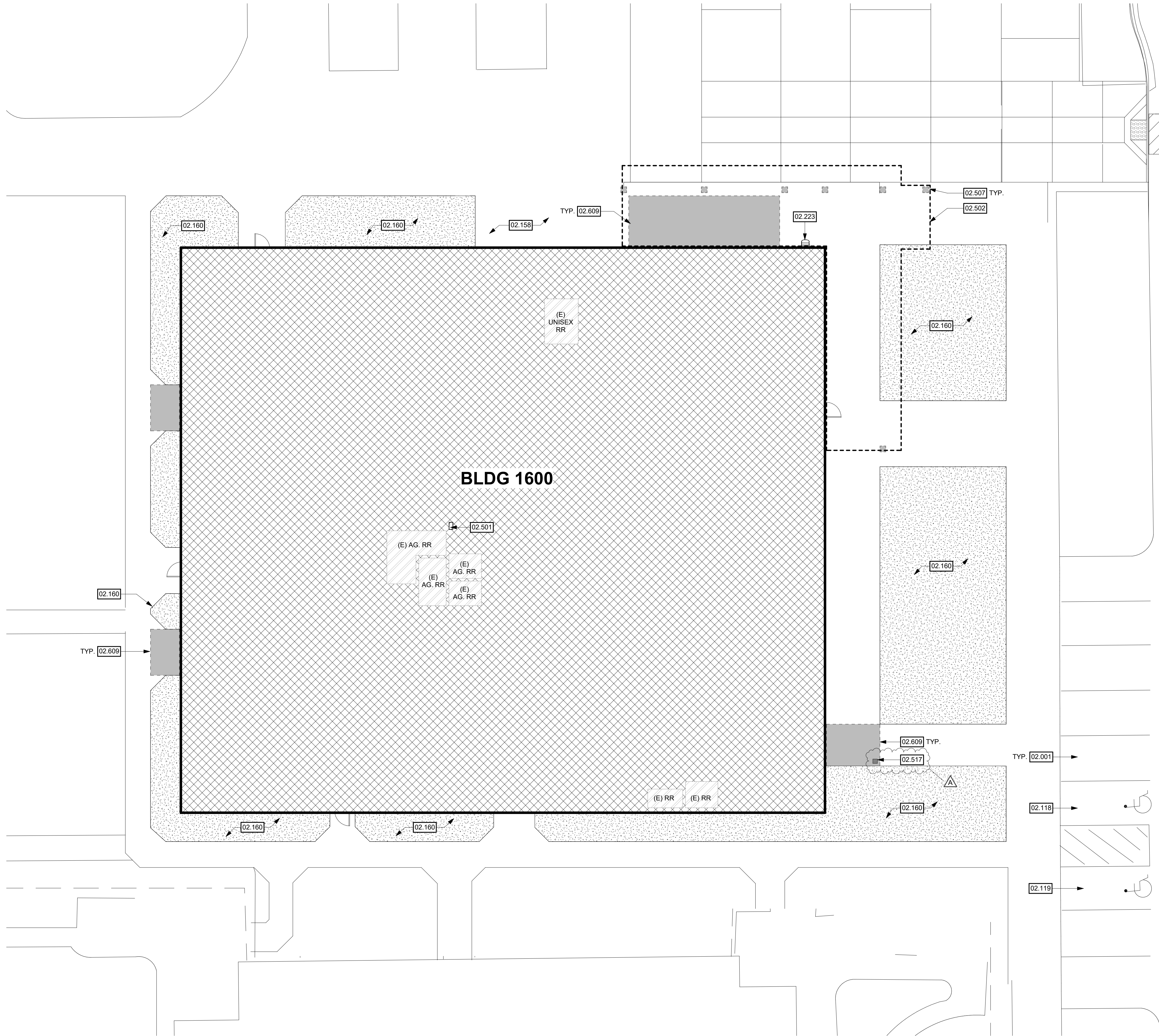
EXIT ANALYSIS AND
BUILDING CODE
ANALYSIS

DATE 07/12/2024

JOB # 2022047

SHEET #

AD2 - A0.04



1 DEMOLITION SITE PLAN
SCALE: 1" = 10'-0"

GENERAL SHEET NOTES

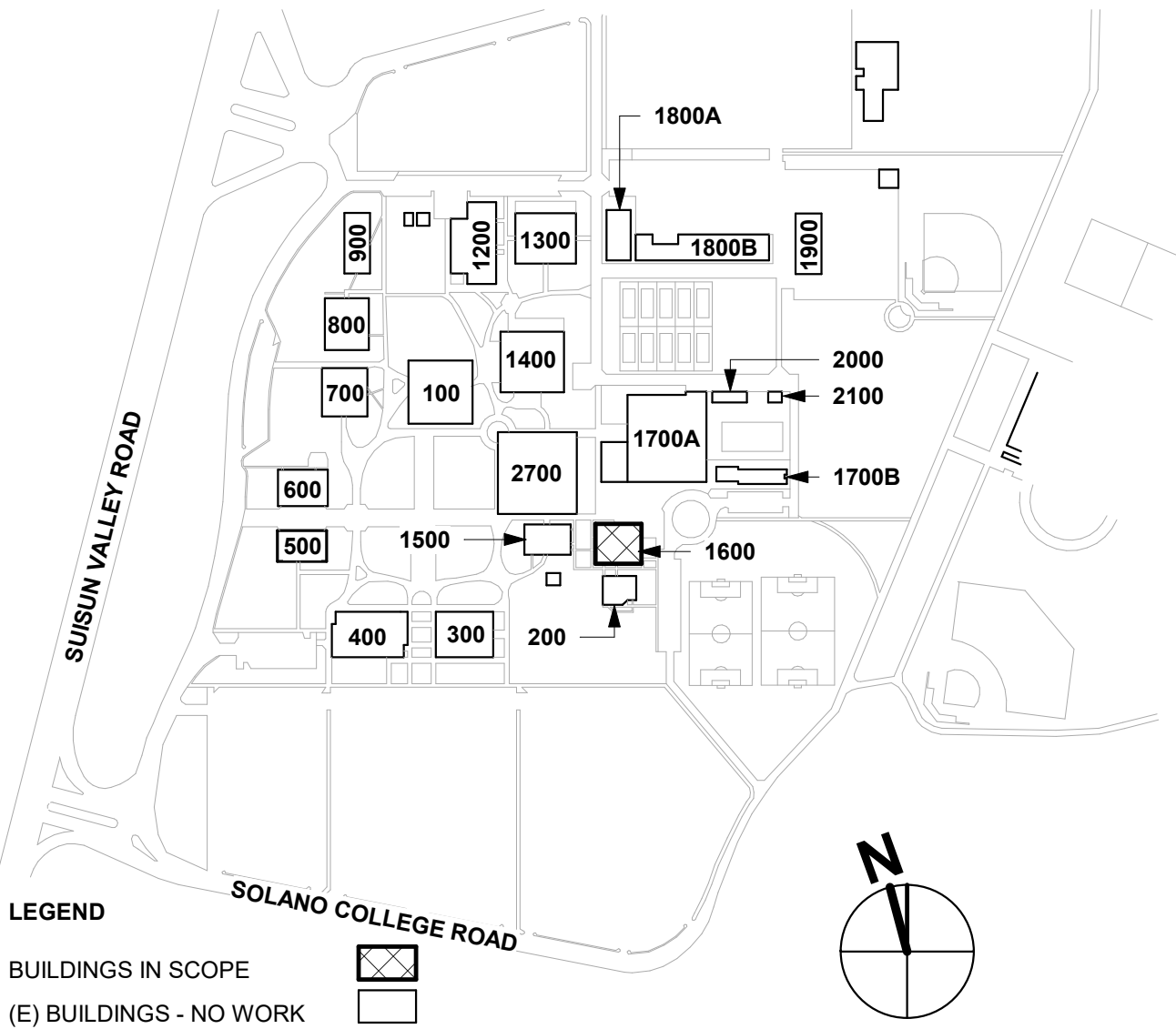
- A CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- B CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- C DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- D PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.
- E REFER TO STRUCTURAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF STRUCTURAL, PLUMBING AND ELECTRICAL WORK.
- F THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND 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 ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NONCONFORMING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- G ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.

DEMOLITION SITE PLAN KEYNOTES

- 02.001 (E) GENERAL PARKING DSA# 02-107552
- 02.118 (E) D.A. PARKING STALL, DIMENSION FIELD VERIFIED BY ARCHITECT OF RECORD, SEE DETAIL 9 / A1.05
- 02.119 (E) D.A. VAN ACCESSIBLE PARKING STALL, DIMENSION FIELD VERIFIED BY ARCHITECT OF RECORD, SEE DETAIL 9 / A1.05
- 02.158 (E) CONCRETE WALKWAY
- 02.160 (E) PLANTER
- 02.223 (E) DRINKING FOUNTAIN TO REMAIN
- 02.501 DEMO (E) DRINKING FOUNTAIN, REPLACE WITH (N) D.A. HI-LO DRINKING FOUNTAIN WITH BOTTLE FILLING STATION, S.P.D. AND SEE NEW FLOOR PLAN FOR LOCATION
- 02.502 DEMO (E) WOOD TRELLIS AND ASSOCIATED STRUCTURAL COMPONENTS TO THE BUILDING, SEE DEMO ROOF, DEMO ELEVATIONS AND S.D.D. FOR DEMO EXTENT
- 02.507 DEMO (E) CONCRETE COLUMNS
- 02.517 DISCONNECT POWER SUPPLY AND DEMO (E) ACCESSIBLE DOOR ACTUATOR, ACTUATOR TO BE REPLACED, ENLARGED NEW SITE PLAN ON AD2-A1.02
- 02.609 DEMO (E) CONCRETE WALKWAY PER PLAN, ALIGN SAW CUT WITH (E) COLD JOINT WHEN POSSIBLE, PROTECT (E) STRUCTURE TO REMAIN, SEE ENLARGED NEW SITE PLAN FOR EXTENT OF NEW WORK

GRAPHIC KEY

- EXISTING CONCRETE PAD TO BE DEMOLISHED
- EXISTING TOILET ROOMS TO BE DEMOLISHED, SEE A2.01 AND P2.01
- EXISTING CONCRETE WALKWAY TO REMAIN
- BUILDING IN SCOPE
- EXISTING PLANTERS



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PROJECT

Solano CCD BLDG 1600
MODERNIZATION



SOLANO COMMUNITY
COLLEGE DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

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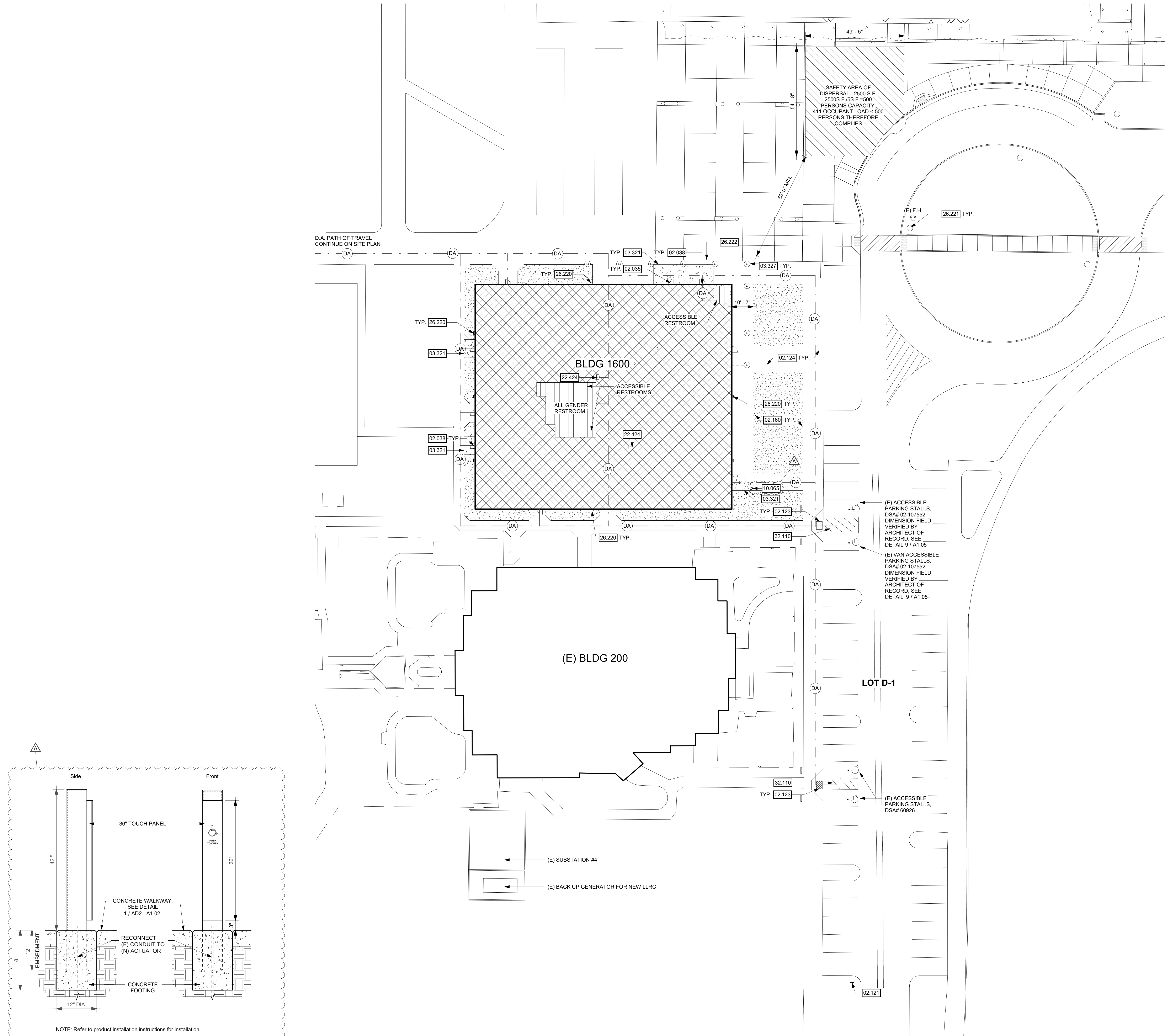
ENLARGED DEMO
SITE PLAN

DATE 07/12/2024

JOB # 2022047

SHEET

AD2 - A1.01



2 HI/LOW AUTOMATIC DOOR ACTUATOR SWITCH MOUNTED ON BOLLARD SCALE: 1" = 1'-0"

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1 ENLARGED SITE PLAN SCALE: 1" = 20'-0"

GENERAL SHEET NOTES

- A CONTRACTOR TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT AND PATH OF TRAVEL COMPLIES WITH CBC 11B-206.
- B CONTRACTOR SHALL MAINTAIN FIRE LANE ACCESS THROUGHOUT PROJECT.
- C DO NOT INTERRUPT EXISTING UTILITY SERVICES SERVING OCCUPIED OR USED FACILITIES, EXCEPT WHEN AUTHORIZED IN WRITING BY AND COORDINATED WITH THE OWNER.
- D PROTECT EXISTING & NEW STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS, TREES AND SHRUBS FROM DAMAGE DURING CONSTRUCTION.
- E REFER TO STRUCTURAL, PLUMBING AND ELECTRICAL DRAWINGS FOR EXTENT OF STRUCTURAL, PLUMBING AND ELECTRICAL WORK.
- F THE POT IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) 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 POT THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED AND THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITHIN THE SCOPE OF THIS PROJECTS WORK THROUGH DETAILS, DRAWINGS AND SPECIFICATIONS INCORPORATED INTO THESE CONSTRUCTION DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE POT THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR A FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS. DURING CONSTRUCTION, IF POT ITEMS WITHIN THE SCOPE OF THE PROJECT REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS A PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.
- G ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.

NEW SITE PLAN KEYNOTES

- 02.035 ALL EXISTING HARDWARE TO BE REMOVED AND REPLACE PER DOOR SCHEDULE
- 02.038 REPLACE DOOR SILL THRESHOLD AT EACH NEW CONCRETE PAD. SEE DETAIL 2 / A1.05
- 02.121 (E) TOW AWAY SIGN
- 02.123 (E) TRUNCATED DOMES
- 02.124 (E) CONCRETE PAVING
- 02.180 (E) PLANTER
- 03.321 CONCRETE WALKWAY, MATCH (E) FINISH, CONFIRM AND CONFORM TO SURROUNDING WALKWAY. SLOPE AWAY FROM BUILDING 1% MIN; SLOPE NOT TO EXCEED 5%, CROSS SLOPE NOT TO EXCEED 2%. SEE DETAILS 8 / A1.05 AND 11 / A1.05
- 03.327 FOOTING FOR EXTERIOR CANOPY. SEE DETAILS 30 / A1.05, AND S.S.D. 154-01
- 10.065 HI / LOW AUTOMATIC DOOR ACTUATOR SWITCH MOUNTED ON BOLLARD, MODEL 6P08SPV FROM SECURITY DOOR CONTROLS OR APPROVED EQUAL. PAINT TO MATCH CANOPY ALUMINUM FASCIA AND SOFFIT. SEE DETAIL 2 / AD2 - A1.02
- 22.424 D.A. DRINKING FOUNTAIN. SEE NEW FLOOR PLANS FOR EXACT LOCATION AND DETAILS 17 / A9.13
- 26.220 EXTERIOR WALL MOUNTED LIGHT FIXTURES PLACED 8' - 0" ABOVE FINISH GRADE, S.E.D.
- 26.221 (E) LAMP POST FOR ILLUMINATION ON PATH OF TRAVEL, TYP.
- 26.222 RECESSED LIGHTS IN CANOPY FOR ILLUMINATION ON PATH OF TRAVEL, S.E.D. AND ENLARGED CANOPY PLAN
- 32.110 RE-STRIP D.A. PARKING STALL AND D.A. VAN ACCESSIBLE STALL PER DETAIL 9 / A1.05

PARKING COUNT:

PER CBC 2022, TABLE 11B-208.2

	REQUIRED	ACTUAL	PARKING LOT #
GENERAL PARKING LOT D-1			
PARKING SPACES	52		GENERAL PARKING LOT D-1
D.A. PARKING SPACES	3	4	GENERAL PARKING LOT D-1
VAN D.A. PARKING SPACES	1	1	GENERAL PARKING LOT D-1

GRAPHIC KEY

- BUILDING IN SCOPE
- NEW TOILET ROOMS AND DRINKING FOUNTAINS
- EXISTING CONSTRUCTION TO REMAIN
- SAFETY AREA OF DISPERSAL
- LANDSCAPE
- FIRE DEPARTMENT POINT OF CONNECTION
- EXISTING FIRE HYDRANT (E) F.H.
- D.A. PATH OF TRAVEL
- D.A. PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER FREE ACCESS WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1/2" MAXIMUM SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. D.A. PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM HEIGHT AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL ABOVE 27" AND BELOW 80". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

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PROJECT

Solano CCD BLDG 1600 MODERNIZATION

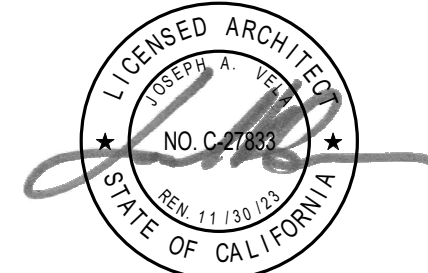


SOLANO COMMUNITY COLLEGE

SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

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A	Addendum 2	07/12/24

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50% CD	11.17.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

ENLARGED NEW SITE PLAN

DATE 07/12/2024

JOB # 2022047

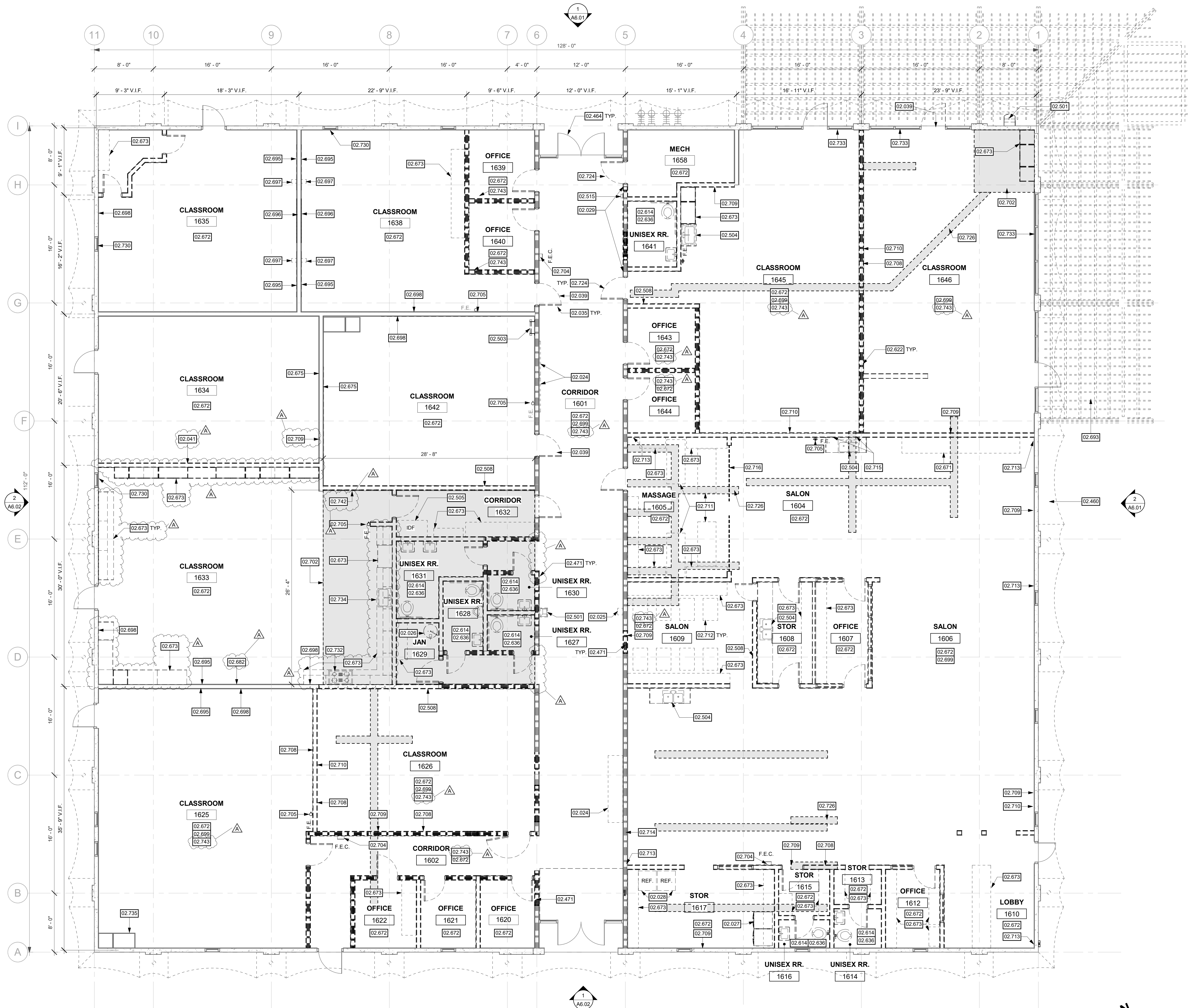
SHEET #

AD2 - A1.02

ASBESTOS NOTE:
ASBESTOS CONTAINING PRODUCT ARE PRESENT IN THE EXISTING BUILDING CONSTRUCTION. REFER TO ASBESTOS AND LEAD BASED PAINT SURVEY REPORT PREPARED BY PMP ENVIRONMENTAL CONSULTING ON FEBRUARY 23, 2023 AS WELL AS THE REVISED REPORT AND SPECS ISSUED IN FEBRUARY 2024 FOR SOLANO COMMUNITY COLLEGE.

MATERIALS WHICH CONTAIN ASBESTOS INCLUDE SHEETROCK, WALLPAPER COVERING AND ASSOCIATED JOINT COMPOUND, CEILING PANELS, VINYL FLOORING TILES AND ASSOCIATED MASTIC, BROWN INTERIOR AND EXTERIOR WINDOW SEALANT, EXTERIOR WINDOW EXPANSION JOINTS AND EXTERIOR DOOR SEALANT.

IF ADDITIONAL SUSPECT MATERIALS ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH ADDITIONAL WORK. THE CONTRACTOR SHALL IMMEDIATELY POST NOTICES AND TAKE PRECAUTIONS NECESSARY TO ENSURE THE HEALTH AND SAFETY OF ALL WORKERS, THE STAFF AND THE PUBLIC.



1 DEMO FLOOR PLAN
SCALE: 3/16" = 1'-0"

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GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS. REFER TO STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM, FIRE SUPPRESSION AND TECHNOLOGY DRAWINGS FOR EXTENT OF STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE SUPPRESSION, AND FIRE ALARM DEMOLITION WORK.
- C VERIFY LIMITS OF DEMOLITION WITH SCOPE OF NEW WORK PRIOR TO COMMENCING WORK.
- D ALL ITEMS SHOWN DASHED ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLANS.
- E REMOVE ALL MISCELLANEOUS TRIM, CASEWORK, EQUIPMENT, CONDUIT, BASES, AND OTHER SURFACE MOUNTED ITEMS WHETHER SHOWN OR NOT ON PARTITIONS TO BE DEMOLISHED. REMOVE AND CAP ALL OUTLETS, SWITCHES, WIRES, THERMOSTATS, ETC. TO THEIR SOURCE AS REQUIRED. SEE CONSULTANT'S DRAWINGS FOR ADDITIONAL INFORMATION AND SCOPE OF WORK.
- F AT CEILINGS TO BE REMOVED, REMOVE ALL CEILINGS, SOFFITS, RELATED SUPPORT SYSTEMS AND ACCESSORIES, AND CEILING MOUNTED ITEMS. COORDINATE WITH MECHANICAL, PLUMBING, FIRE PROTECTION, AND ELECTRICAL DRAWINGS.
- G REMOVE WALL FINISHES. PREPARE FOR NEW WALL FINISHES PER NEW WALL TYPES.
- H REMOVE WALL FINISHES. PREPARE FOR NEW WALL FINISHES PER NEW WALL TYPES.
- I ALL FLOORING MATERIALS ARE TO BE REMOVED TO TOP OF EXISTING SLAB BY MECHANICAL MEANS U.O.N. REVIEW SECTION 02.0115 AS APPLICABLE. TOP OF EXISTING SLAB TO BE LEFT SMOOTH, CLEAN, AND FREE OF ALL ADHESIVE AND READY FOR INSTALLATION OF NEW FLOORING.
- J EXISTING EQUIPMENT INDICATED TTD TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
- K REFER TO NEW FLOOR PLAN FOR AREA OF PARTIAL DEMOLITION FOR NEW BLOCKING.
- L IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER, OWNERS REPRESENTATIVE & ARCHITECT OF ANY EXISTING DEFECTS SUCH AS MOLD, DRY ROT ETC. STRUCTURAL DEFICIENCIES IN EXISTING STRUCTURE REVEALED DURING THE DEMOLITION PHASE WILL NEED TO BE ADDRESSED BY THE STRUCTURAL ENGINEER AND MAY REQUIRE APPROVAL OF DIVISION OF STATE ARCHITECT (DSA). IN SUCH CASES, CONTRACTOR IS REQUIRED TO PROCESS WITH THAT PORTION OF WORK ONLY AFTER WRITTEN APPROVAL OF ARCHITECT AND ENGINEER. THIS DETERMINATION WILL BE MADE BY THE ARCHITECT AND ITS ENGINEER AND THE CONTRACTOR WILL BE PROVIDED A WRITTEN DIRECTIVE ON REMEDYING THE DEFICIENCY. ANY WORK CARRIED OUT PRIOR TO OR WITHOUT APPROVAL OF ENGINEER OR DSA AS CASE MAY BE AT RISK. THE OWNER, ITS REPRESENTATIVE AND THE ARCHITECT (AND ITS ENGINEER) WILL NOT BE RESPONSIBLE FOR ANY COSTS INCURRED FOR NON-COMPLIANT WORK CARRIED OUT WITHOUT THE EXPRESS APPROVAL OF THE ENGINEER OR DSA.

DEMOLITION FLOOR PLAN KEYNOTES

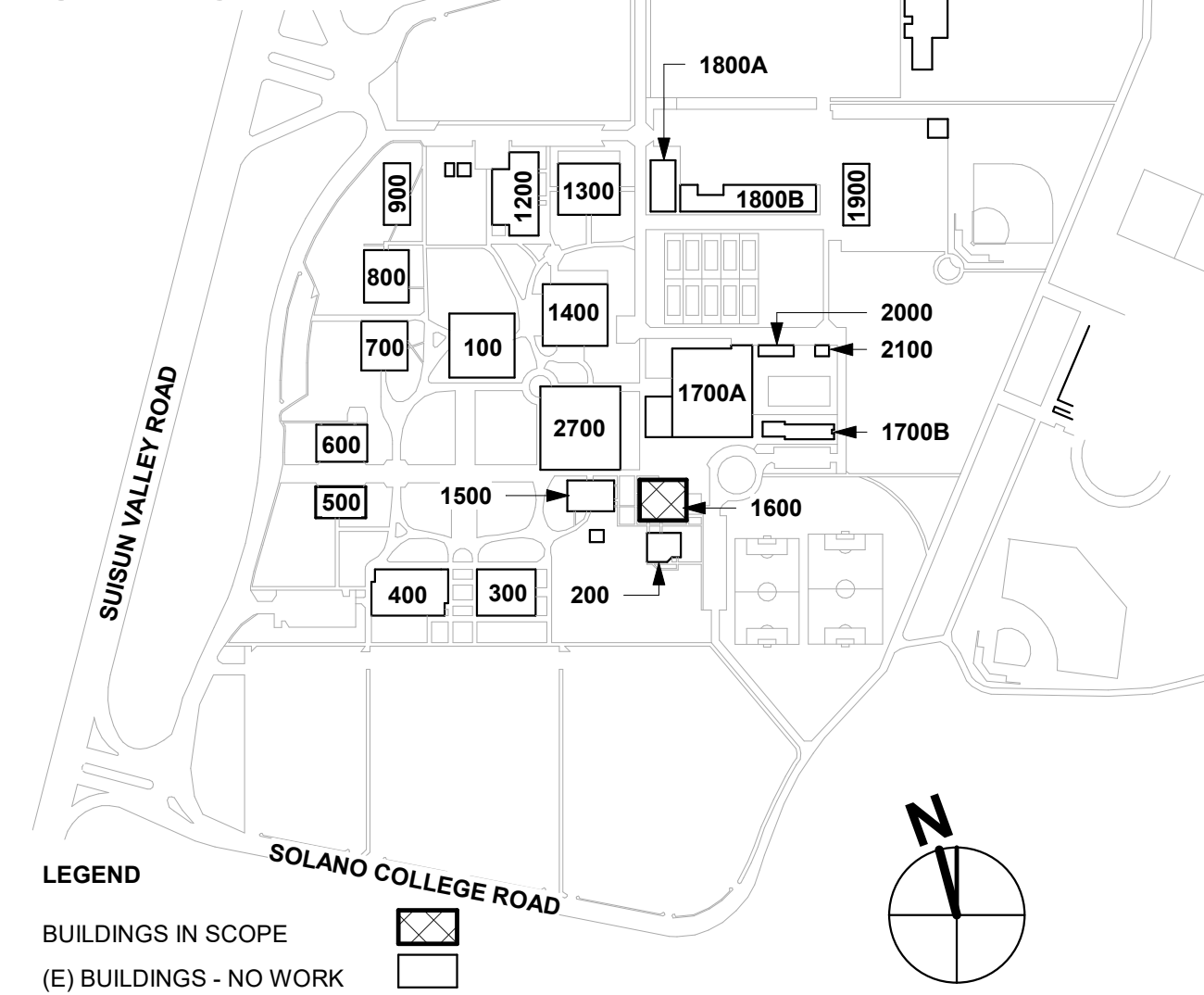
- 02.024 REMOVE (E) SHADOW BOX AND TURN TO THE DISTRICT
- 02.025 REMOVE AND SALVAGE (E) AED CABINET, REINSTALL PER NEW PLAN
- 02.026 DEMO (E) WATER HEATER
- 02.027 REMOVE (E) CLOTHES WASHER/DRYER COMBINATION. REINSTALL PER NEW PLAN, S.P.D. FOR FULL EXTENT OF PLUMBING SCOPE
- 02.028 REMOVE (E) REFRIGERATOR AND TURN TO DISTRICT
- 02.029 DEMO (E) FINISH, STRUCTURAL WOOD FRAMING AND SHEATHING TO REMAIN
- 02.030 ALL EXPOSED HARDWARE TO BE REMOVED AND RELOCATE PER DOOR SCHEDULE
- 02.039 DEMO (E) DOOR TO BE REPLACED PER OPENING SCHEDULE, FRAME TO REMAIN, PROTECT DURING CONSTRUCTION, PAINT PER FINISH PLAN
- 02.041 DEMO (E) NON BEARING WALL, PATCH WALLS AND FLOOR TO PREPARE FOR NEW FINISH
- 02.460 DEMO (E) MANSARD ROOF, SEE DEMO EXTERIOR ELEVATIONS AND DEMOLITION ROOF PLAN FOR EXTENT OF SCOPE
- 02.464 (E) STOREFRONT TO REMAIN, PROTECT DURING CONSTRUCTION, TYP.
- 02.471 (E) BEARING/SHEAR WALL DEMOLITION S.S.D. FOR SHORING NOTE
- 02.501 DEMO (E) DRINKING FOUNTAIN WITH (H) D.A. H4-0 DRINKING FOUNTAIN WITH BOTTLE FILLING STATION, S.P.D. AND SEE NEW FLOOR PLAN FOR LOCATION
- 02.503 DEMO (E) ROOF ACCESS LADDER, PATCH AND PAINT WALL PER FINISH SCHEDULE
- 02.504 DEMO (E) CASEWORK WITH SINK
- 02.505 REMOVE (E) D.F. RELOCATE PER NEW FLOOR PLAN
- 02.508 DEMO (E) ELECTRICAL PANEL, S.E.D.
- 02.515 (E) ACCESSIBLE DOOR OPERATOR TO REMAIN
- 02.614 DEMO (E) RESTROOM FINISHES, PLUMBING ACCESSORIES AND FIXTURES, S.P.D. FOR EXTENT OF PLUMBING SCOPE
- 02.622 DEMO (E) WALL
- 02.636 DEMO (E) FLOOR AND WALL TILE
- 02.671 REMOVE (E) LOCKERS AND TURN TO THE DISTRICT
- 02.672 DEMO (E) VCT FLOORING, PREP FOR NEW FLOORING, PER FINISH PLAN
- 02.673 DEMO (E) CASEWORK
- 02.675 REMOVE, SALVAGE (E) PROJECTOR SCREEN, REINSTALL PER NEW PLAN AND INTERIOR ELEVATIONS
- 02.682 REMOVE (E) PROJECTOR SCREEN AND TURN TO DISTRICT
- 02.693 DEMO (E) TRELIS AND ASSOCIATED STRUCTURAL MEMBERS, SEE DEMO EXTERIOR ELEVATIONS AND DEMOLITION ROOF PLAN FOR EXTENT OF SCOPE
- 02.695 REMOVE AND SALVAGE (E) MARKERBOARD, REINSTALL PER NEW PLAN AND INTERIOR ELEVATIONS
- 02.696 REMOVE AND SALVAGE (E) TV, REINSTALL PER NEW PLAN AND INTERIOR ELEVATIONS
- 02.697 REMOVE AND SALVAGE (E) LOUD SPEAKER, REINSTALL PER NEW PLAN AND INTERIOR ELEVATIONS
- 02.698 REMOVE AND SALVAGE (E) WALL CLOCK, REINSTALL PER NEW ELEVATIONS
- 02.699 DEMO (E) MAP RAIL AND WALL TO WALL PANEL THROUGHOUT, PATCH WALL AS NEEDED AND PREP FOR PAINT
- 02.702 DEMO (E) SLAB AS SHOWN, NEW SLAB PER STRUCTURAL DRAWINGS, SEE SHEET S2.01
- 02.704 DEMO (E) F.E.C. AND PROVIDE NEW F.E.C. PER NEW PLAN
- 02.705 REMOVE (E) BRACKET MOUNT FIRE EXTINGUISHER AND RELOCATE PER NEW PLAN
- 02.708 REMOVE (E) MARKERBOARD AND TURN TO DISTRICT
- 02.709 REMOVE (E) WALL CLOCK AND TURN TO DISTRICT
- 02.710 REMOVE (E) PROJECTOR SCREEN AND TURN TO DISTRICT
- 02.711 REMOVE (E) MESSAGE TABLE AND TURN TO DISTRICT
- 02.712 REMOVE (E) FLOOR MOUNT SHAMPOO BOWLS WITH CHAIR AND TURN TO DISTRICT
- 02.713 REMOVE (E) CONVEX SAFETY MIRROR AND TURN TO DISTRICT
- 02.714 DEMO (E) TV MOUNT
- 02.715 DEMO (E) WALL MOUNT NAPKIN DISPENSER
- 02.716 DEMO (E) FLEXIBLE PARTITION PANEL AND ASSOCIATE HARDWARE
- 02.724 DEMO (E) DOOR AND FRAME, REPLACE PER DOOR SCHEDULE
- 02.726 TRENCHING FOR NEW PLUMBING, S.P.D. AND NEW ELECTRICAL, S.E.D
- 02.730 REMOVE AND SALVAGE (E) WINDOW COVERING, REINSTALL AT COMPLETION OF THE PROJECT, TYP.
- 02.732 DEMO (E) STOVE TOP, S.E.D. FOR FULL EXTENT OF ELECTRICAL DEMOLITION
- 02.733 DEMO (E) WINDOW COVERING
- 02.734 DEMO (E) COUNTERTOP AND PLUMBING FIXTURE, S.P.D. FOR EXTEND OF PLUMBING DEMOLITION
- 02.735 REMOVE (E) CASEWORK AND TURN TO THE DISTRICT
- 02.742 REMOVE AND SALVAGE (E) TACK BOARD, REINSTALL PER NEW PLAN
- 02.743 DEMO ALL WALL FINISH AND GYP BOARD IN THE ROOM

GRAPHIC KEY

- WALL TYPES**
- (E) WOOD FRAME WALL TO REMAIN
 - (E) WALL TO BE DEMOLISHED
 - (E) CONCRETE WALL TO REMAIN
 - (E) 1 HR RATED WALL TO REMAIN
 - (E) RATED WALL TO BE DEMO
 - (E) SLAB TO BE DEMO AND LOCATION OF MAJOR TRENCHING
 - (E) CASEWORK TO BE DEMO
 - (E) DOOR TO BE DEMO
 - (E) DOOR TO REMAIN

- FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINETS**
- (E) SEMI-RECESSED FIRE EXTINGUISHER CABINET
 - (E) WALL-MOUNTED FIRE EXTINGUISHER
- REFER TO KEYNOTES FOR FIRE EXTINGUISHER SCOPE OF WORK.

BUILDING KEY



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PROJECT

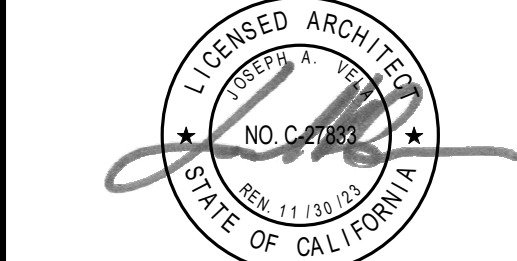
Solano CCD BLDG 1600
MODERNIZATION



SOLANO COMMUNITY
COLLEGE DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

No.	Description	Date
A	Addendum 2	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

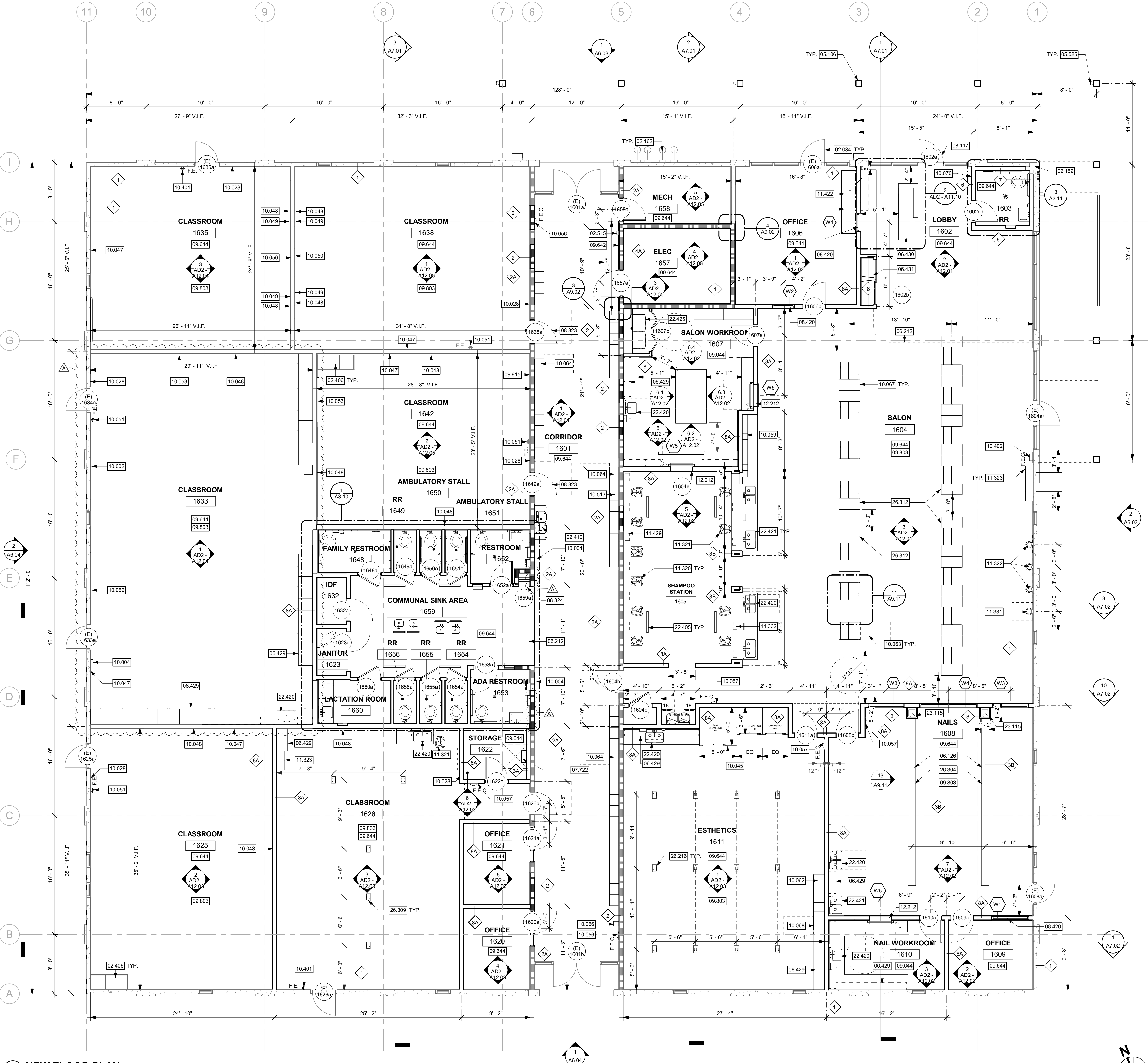
DEMO FLOOR PLAN

DATE 07/12/2024

JOB # 2022047

SHEET #

AD2 - A2.01



1 NEW FLOOR PLAN
SCALE: 3/16" = 1'-0"

GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW FLOOR PLANS.
- B REFER TO STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY DRAWINGS FOR EXTENT OF STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, FIRE ALARM AND TECHNOLOGY WORK.
- C ALL TOILET ROOM STUD WALLS SHALL HAVE NEW SOUND ATTENUATION INSULATION.
- D PROVIDE WALL BLOCKING AT ALL TOILET FIXTURE AND ACCESSORY MOUNTING LOCATIONS. SEE TYPICAL BACKING AND BLOCKING DETAILS.
- E FOR TOILET ROOM FIXTURE MOUNTING HEIGHTS, SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAILS.
- F WATER SUPPLY AND DRAIN PIPES ACCESSIBLE UNDER LAVATORIES SHALL BE INSULATED OR OTHERWISE COVERED. THERE SHALL BE NO SHARP OR ABRASIVE OBJECTS OR SURFACES UNDER LAVATORIES, TYP.
- G REFER TO WALL TYPES AND WALL TYPE DETAILS FOR IDENTIFICATION OF ALL WALL TYPES.
- H REFER TO FINISH PLAN AND SCHEDULE FOR IDENTIFICATION OF ALL FINISHES.
- I DIMENSIONS FOR EXISTING BUILDING ARE APPROXIMATE. CONTRACTOR TO FIELD VERIFY PRIOR TO START OF CONSTRUCTION.
- J ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- K WALL FINISHES PER ELEVATIONS, U.O.N.
- L ALL UPPER CABINETS TO HAVE LED LIGHT, U.O.N., S.E.D.
- M ALL INTERIOR AND EXTERIOR DOORS TO RECEIVED ELECTRONIC DOOR HARDWARE U.O.N. SEE DOOR SCHEDULE, ELECTRICAL AND TECHNOLOGY DRAWINGS

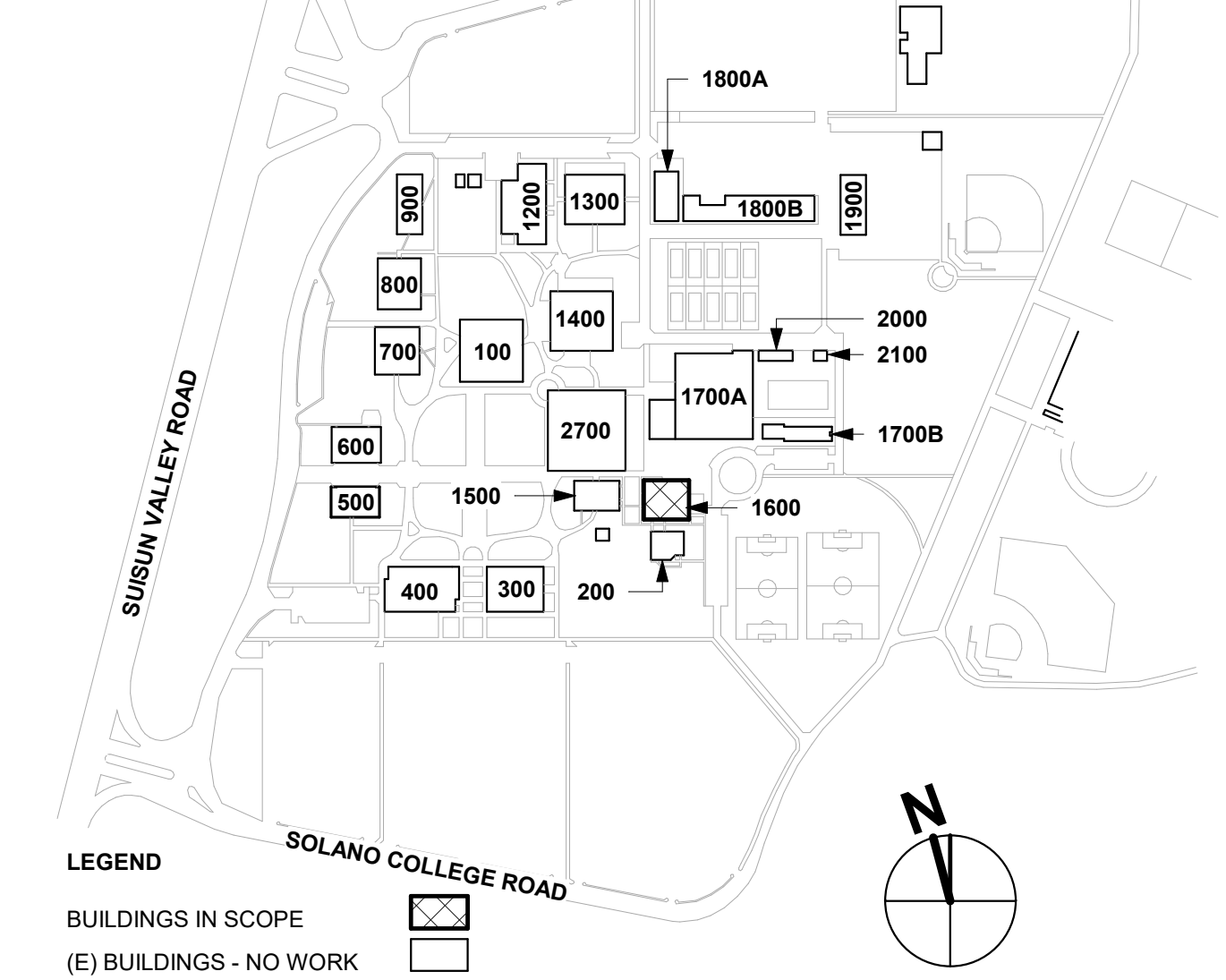
KEYNOTES

- 02.034 REPLACE DOOR HARDWARE, TYP TO ALL DOORS, SEE DOOR SCHEDULE
- 02.159 (E) CONCRETE COLUMN
- 02.162 (E) MECHANICAL CONDUITS
- 02.406 (E) CASEWORK TO REMAIN, PROTECT DURING CONSTRUCTION
- 02.515 (E) ACCESSIBLE DOOR OPERATOR TO REMAIN
- 05.106 HSS COLUMN, S.S.D. AND ENLARGED CANOPY PLAN
- 05.525 STEEL RAIN WATER LEADER, SEE DETAIL 5 / AD2 - A12.02
- 06.126 WOOD FRAMED PONY WALL WITH INTEGRATED VENTILATION SYSTEM, SEE DETAIL 3 / A9.11 AND S.M.D.
- 06.212 SOFFIT ABOVE, SEE RCP AND DETAIL 7 / A9.15
- 06.429 CASEWORK, SEE ELEVATIONS AND CASEWORK SCHEDULE, TYP.
- 06.430 CUSTOM LOBBY DESK, SEE ELEVATIONS AND DETAIL 3 / AD2 - A11.10
- 06.431 COAT CLOSET WITH HANGING ROD AND SHELVE ABOVE
- 07.722 ROOF ACCESS HATCH AND LADDER, SEE DETAIL 1 / A8.11
- 08.117 STOREFRONT DOOR PER DOOR SCHEDULE
- 08.323 PROVIDE NEW DOOR LEAF PER DOOR SCHEDULE, (E) DOOR FRAME TO BE PAINTED PER FINISH SCHEDULE
- 08.324 FIRE RATED ACCORDION DOOR, SEE DOOR SCHEDULE, S.E.D., S.F.A.D. AND DETAIL 9 / A10.10
- 08.420 ALUMINUM ONE-WAY TINTED WINDOW, VIEWING DIRECTION FROM OFFICE OUT, TYP. SEE OPENING TYPES AND SCHEDULE
- 09.642 INSTALL TYPE "X" GYP. BD. ON EACH SIDE OF (E) FRAMING PER WALL TYPES. EXTEND GYP. BD. ON CORRIDOR SIDE OF WALL FROM STOREFRONT TO LOCKERS.
- 09.644 FLOOR FINISH PER FINISH PLAN AND FINISH SCHEDULE
- 09.803 PAINT PER ELEVATIONS AND FINISH SCHEDULE
- 09.815 PATCH AND PAINT WALL WHERE ROOF ACCESS LADDER WAS REMOVED
- 10.002 MARKERBOARD FOR ATTACHMENT SEE DETAIL 12 / A9.12
- 10.004 SURFACE MOUNTED BULLETIN BOARD, FOR ATTACHMENT SEE DETAIL 13 / A9.12
- 10.028 ASSISTIVE LISTENING DEVICE SIGNAGE PER SHEET A11.02
- 10.045 CHANGING ROOM PARTITIONS, BASES OF DESIGN PRIVADA CUBICLES OR APPROVED EQUAL, SEE ELEVATIONS, FINISH SCHEDULE AND DETAIL 4 / A9.12
- 10.047 REINSTALL (E) WALL CLOCK PER ELEVATIONS
- 10.048 REINSTALL (E) MARKERBOARD PER ELEVATIONS, SEE MOUNTING DETAIL 12 / A9.12
- 10.049 REINSTALL (E) LOUD SPEAKER PER ELEVATIONS
- 10.050 REINSTALL (E) TV PER ELEVATIONS, SEE MOUNTING DETAIL 1 / A9.12
- 10.051 REINSTALL (E) BRACKET MOUNT FIRE EXTINGUISHER PER ELEVATIONS
- 10.052 REINSTALL (E) TACK BOARD PER ELEVATIONS
- 10.053 REINSTALL (E) PROJECTOR SCREEN PER ELEVATIONS, SEE MOUNTING DETAIL 7 / A9.12
- 10.056 FIRE-RATED SEMI-RECESSED F.E.C., SEE DETAIL 2 / A9.03
- 10.057 NON-RATED SEMI-RECESSED F.E.C., SEE DETAIL 1 / A9.03
- 10.059 WALL SIGN AND WIRE MESH STORAGE BIN, O.F.C.I.
- 10.062 LOCKERS, BASES OF DESIGN HOLLMAN OR APPROVED EQUAL, SEE DETAIL 4 / A9.12
- 10.063 ACCESSIBLE WORKSTATIONS
- 10.064 THREE ACCESSIBLE LOCKERS PROVIDED (5% OF THE TOTAL)
- 10.066 REINSTALL (E) AED CABINET
- 10.067 WORKSTATION, SEE DETAIL 11 / A9.11
- 10.068 ONE ACCESSIBLE LOCKERS PROVIDED (5% OF THE TOTAL) 4 / A9.12
- 10.070 MAXIMUM OCCUPANCY SIGNAGE PER DETAIL CD.07b ON SHEET A11.02
- 10.401 PORTABLE FIRE EXTINGUISHER AND WALL BRACKET, SEE DETAIL 3 / A9.12
- 10.402 FIRE EXTINGUISHER CABINET, NON-RATED SURFACE-MOUNTED, SEE DETAIL 17 / A9.12
- 10.513 METAL VENTED TWO TIER LOCKERS WITH BASE AND SLANTED TOP, SEE SPEC. AND ANCHORAGE DETAIL 4 / A9.12 5 / A9.12
- 11.320 TILT-UP SINKS MOUNTED ON CASEWORK PODIUM, S.P.D. AND CASEWORK SCHEDULE
- 11.321 TILT-UP ACCESSIBLE SINKS MOUNTED ON CASEWORK PODIUM, S.P.D. AND CASEWORK SCHEDULE
- 11.322 WALL MOUNT HOOD DRYER WEIGHT 50 LBS. O.F.C.I., SEE DETAIL 7 / A9.10
- 11.323 MANNEQUIN DRYER CABINET, O.F.C.I. SEE ANCHORAGE DETAIL 1F ON SHEET A11.10
- 11.331 WALL MOUNT COLOR PROCESSOR WEIGHT 50 LBS. O.F.C.I., SEE DETAIL 7 / A9.10
- 11.332 SHAMPOO PAN SEE DETAIL 8 / A9.11
- 11.422 UNDERCOUNTER REFRIGERATOR (O.F.C.I.), S.E.D. FOR POWER REQUIREMENTS
- 11.429 STAINLESS STEEL PAN PROVIDE A SLOT IN THE COUNTER SURFACE TO RECESS THE PAN. SEE DETAIL FOR SIZE INFORMATION 8 / A9.11
- 12.212 MOTOR-OPERATED ROLL UP DISPENSARY WINDOW, S.E.D. AND OPENING SCHEDULE
- 22.405 36" LINEAR FLOOR DRAIN ZURN Z5880 STAINLESS STEEL, STANDARD SLOTTED GRATE, STAINLESS STEEL FINISH OR APPROVED EQUAL
- 22.410 HI-LOW DRINKING FOUNTAIN W/ BOTTLE FILLING STATION WITH GRAB, S.P.D. AND DETAIL 1 / A9.13
- 22.420 D.A. SINK AND FAUCET, S.P.D.
- 22.421 UNDERMOUNT SINK AND FAUCET, S.P.D.
- 22.425 REINSTALL SALVAGED WASHER AND DRYER, S.E.D. AND S.M.D. FOR FULL ELECTRICAL AND MECHANICAL SCOPE
- 23.115 MECHANICAL CHASE, SEE WALL TYPES AND S.M.D.
- 26.216 PROVIDE ONE FLOOR ELECTRICAL OUTLET AT EACH ESTHETIC TABLE, S.E.D.
- 26.304 ELECTRICAL OUTLETS AND EXHAUST FANS ON EACH SIDES OF THE PONY WALL. LOCATE PER INTERIOR ELEVATIONS, S.M.D. AND S.E.D.
- 26.309 FLOOR OUTLET S.E.D., TYP
- 26.312 PROVIDE ELECTRICAL CONNECTION AT EACH WORKSTATION ISLAND, S.E.D. FOR EXTEND OF ELECTRICAL SCOPE

GRAPHIC KEY

- WALL TYPES**
 - (E) WOOD FRAME WALL TO REMAIN
 - (E) CONCRETE WALL TO REMAIN
 - (E) 1HR. RATED WALL TO REMAIN
 - NEW 1HR. RATED WALL
 - NEW 2HR. RATED WALL
 - WALL TYPE, REFER TO SHEET A9.01 FOR WALL TYPE DESCRIPTION, FIRE RATING LISTING, AND SOUND RATING WHERE APPLICABLE, TYP.
 - STUD WALL; REFER TO WALL TYPES ON SHEET A9.01
 - 30" X 48" CLEAR FLOOR SPACE
 - 60" CIRCULAR TURNING SPACE
 - DOOR SIGNAGE, SEE DOOR SCHEDULE ON SHEET A10.01
- FIRE EXTINGUISHER AND FIRE EXTINGUISHER CABINETS**
 - (E) SEMI-RECESSED FIRE EXTINGUISHER CABINET
 - (N) SEMI-RECESSED FIRE EXTINGUISHER CABINET
 - (E) WALL-MOUNTED FIRE EXTINGUISHER
 - (N) WALL-MOUNTED FIRE EXTINGUISHER
- REFER TO KEYNOTES FOR FIRE EXTINGUISHER SCOPE OF WORK.

BUILDING KEY



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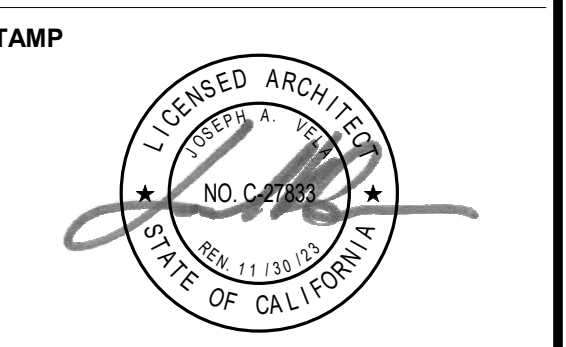
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PROJECT
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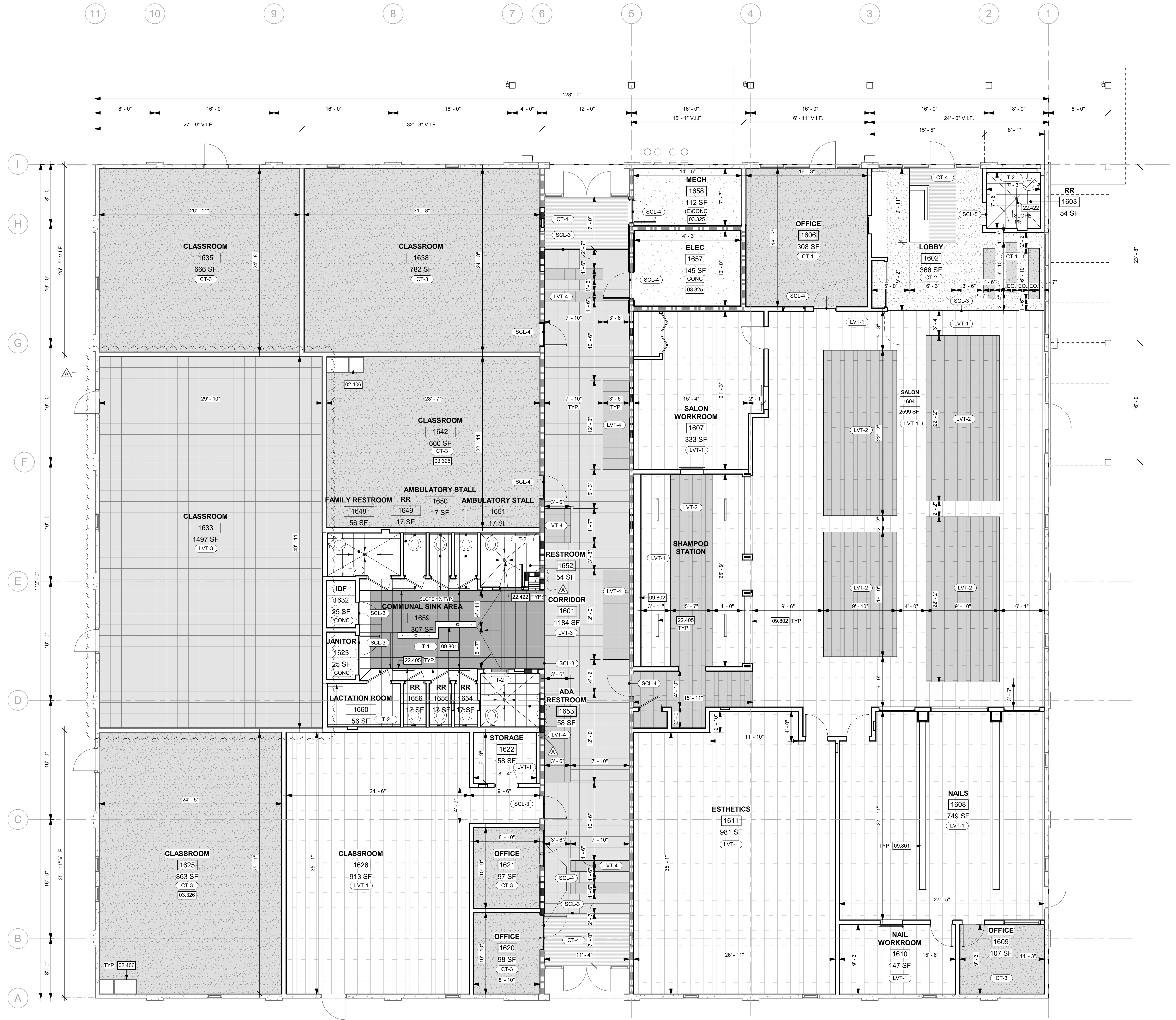
STATE
DSA FILE NUMBER 48-C1
APPL # 02-122010

No.	Description	Date
A	Addendum 2	07/12/24

MILESTONES	
SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET
NEW FLOOR PLAN

DATE 07/12/2024
JOB # 2022047
SHEET # AD2 - A3.01



GENERAL SHEET NOTES

- A REFER TO FINISH SCHEDULE FOR INTERIOR FINISHES NOT SHOWN ON ELEVATIONS.
- B ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- C ALL SLOPES SHOULD NOT EXCEED 1% IN ANY DIRECTION, U.O.N.
- D TILE FLOORING TO BE INSTALLED UNDER ALL NEW PLUMBING FIXTURES, U.O.N.
- E WHERE SLAB IS TO BE SAW CUT FOR NEW OR EXISTING FIXTURES, REFER TO DETAIL 4 / A9.13 FOR CONCRETE SLAB REPAIR

FINISH PLAN KEYNOTES

- 02.406 (E) CASEWORK TO REMAIN, PROTECT DURING CONSTRUCTION
- 03.325 PATCH SEALED CONCRETE AS NEEDED WHERE (E) FLOOR FINISH WAS REMOVED
- 03.326 FLOORING TO BE INSTALLED AFTER (E) CASEWORK TO REMAIN, SEE FLOOR PLAN
- 09.801 PONY WALL, FINISHES PER ELEVATIONS AND FINISH SCHEDULE
- 22.405 FURRED WALL, FINISHES PER ELEVATIONS AND FINISH SCHEDULE
- 22.405 3/8" LINEAR FLOOR DRAIN ZURN ZS880 STAINLESS STEEL, STANDARD SLOTTED GRATE, STAINLESS STEEL FINISH OR APPROVED EQUAL
- 22.422 CIRCULAR FLOOR DRAIN WATTS #FD-100-A OR APPROVED EQUAL, STAINLESS STEEL FINISH

FINISH LEGEND

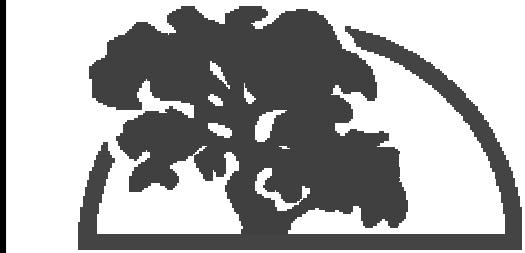
- CT-1 CARPET TILE
- CT-2 CARPET TILE
- CT-3 CARPET TILE
- CT-4 WALK-OFF MATT
- LVT-1 LUXURY VINYL TILE. TO BE INSTALLED PRIOR TO CASEWORK INSTALLATION U.O.N.
- LVT-2 LUXURY VINYL TILE. TO BE INSTALLED PRIOR TO CASEWORK INSTALLATION U.O.N.
- LVT-3 LUXURY VINYL TILE. TO BE INSTALLED PRIOR TO LOCKERS INSTALLATION U.O.N. WHERE IT APPLIES
- LVT-4 LUXURY VINYL TILE. TO BE INSTALLED PRIOR TO LOCKERS INSTALLATION U.O.N.
- SCL-3 SCHLUTER TRANSITION PIECE. SEE DETAIL 2 / AD2 - A11.01
- SCL-4 SCHLUTER TRANSITION PIECE AT DOOR TRESHOLD. SEE DETAIL 4 / AD2 - A10.01
- SCL-5 SCHLUTER TRANSITION PIECE AT CARPET/TILE DOOR THRESHOLD. SEE DETAIL 5 / AD2 - A10.01
- CONC CONCRETE
- (E) CONC (E) CONCRETE
- T-1 24x24 PORCELAIN FLOOR TILE
- T-2 24x24 PORCELAIN FLOOR TILE

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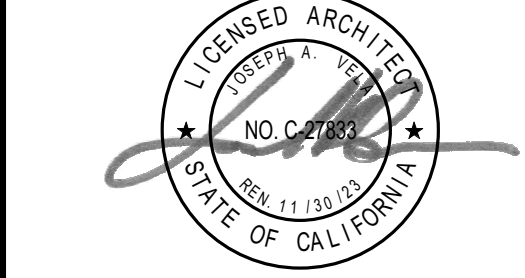
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REVISIONS

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A	Addendum 2	07/12/24

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DSA SUB	05.17.2024

SHEET

NEW FINISH
FLOORING PLAN

DATE 07/12/2024

JOB # 2022047

SHEET #

AD2 - A3.02

ASBESTOS NOTE:
ASBESTOS CONTAINING PRODUCT ARE PRESENT IN THE EXISTING BUILDING CONSTRUCTION. REFER TO ASBESTOS AND LEAD BASED PAINT SURVEY REPORT PREPARED BY PMP ENVIRONMENTAL CONSULTING ON FEBRUARY 23, 2023 AS WELL AS THE REVISED REPORT AND SPECS ISSUED IN FEBRUARY 2024 FOR SOLANO COMMUNITY COLLEGE.

MATERIALS WHICH CONTAIN ASBESTOS INCLUDE SHEETROCK, WALLPAPER COVERING AND ASSOCIATED JOINT COMPOUND, CEILING PANELS, VINYL FLOORING TILES AND ASSOCIATED MASTIC, BROWN INTERIOR AND EXTERIOR WINDOW SEALANT, EXTERIOR WINDOW EXPANSION JOINTS AND EXTERIOR DOOR SEALANT.

IF ADDITIONAL SUSPECT MATERIALS ARE FOUND, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY OWNER'S REPRESENTATIVE FOR INSTRUCTIONS PRIOR TO PROCEEDING WITH ADDITIONAL WORK. THE CONTRACTOR SHALL IMMEDIATELY POST NOTICES AND TAKE PRECAUTIONS NECESSARY TO ENSURE THE HEALTH AND SAFETY OF ALL WORKERS, THE STAFF AND THE PUBLIC.



GENERAL SHEET NOTES

- A ROOM NAMES OR NUMBERS MAY NOT BE CONSISTENT BETWEEN DEMOLITION AND NEW PLANS.
- B REFER TO MECHANICAL, STRUCTURAL, PLUMBING, TECHNOLOGY, ELECTRICAL, FIRE SUPPRESSION, AND FIRE ALARM DRAWINGS FOR EXTENT OF MECHANICAL, STRUCTURAL, PLUMBING, TECHNOLOGY, ELECTRICAL, FIRE SUPPRESSION, AND FIRE ALARM WORK.
- C VERIFY LIMITS OF DEMOLITION WITH SCOPE OF NEW WORK PRIOR TO COMMENCING WORK.
- D ALL ITEMS SHOWN DASHED ARE TO BE DEMOLISHED UNLESS OTHERWISE NOTED ON PLANS.
- E EXISTING EQUIPMENT INDICATED TO BE RELOCATED PER NEW PLAN IS TO BE STORED AND PROTECTED DURING CONSTRUCTION.
- F EXISTING EQUIPMENT INDICATED TO BE TURNED TO DISTRICT TO BE REMOVED AND PROTECTED.
- G CONTRACTOR IS REQUIRED TO NOTIFY THE OWNER, ITS REPRESENTATIVE & ARCHITECT PRIOR TO DISCONNECTING ANY EXISTING EQUIPMENT AND/OR UTILITY LINES. PROVIDE MINIMUM OF 48 HOURS WRITTEN NOTICE PRIOR TO DISCONNECTING.
- H IT IS THE CONTRACTORS RESPONSIBILITY TO NOTIFY THE OWNER, OWNERS REPRESENTATIVE & ARCHITECT OF ANY EXISTING DEFORMITIES SUCH AS MOLD, DRY ROT ETC. STRUCTURAL DEFICIENCIES IN EXISTING STRUCTURE REVEALED DURING THE DEMOLITION PHASE WILL NEED TO BE ADDRESSED BY THE STRUCTURAL ENGINEER AND MAY REQUIRE APPROVAL OF DIVISION OF STATE ARCHITECT (DSA). IN SUCH CASES, CONTRACTOR IS REQUIRED TO PROCESS WITH THAT PORTION OF WORK ONLY AFTER WRITTEN APPROVAL BY THE STRUCTURAL ENGINEER AND/OR DSA. THIS DETERMINATION WILL BE MADE BY THE ARCHITECT AND THE CONTRACTOR WILL BE PROVIDED A WRITTEN DIRECTIVE ON REMEDYING THE DEFICIENCY. ANY WORK CARRIED OUT PRIOR TO OR WITHOUT APPROVAL OF ENGINEER OR DSA (AS CASE MAY BE), WILL BE AT RISK. THE OWNER, ITS REPRESENTATIVE AND ITS ENGINEER(S) WILL NOT BE RESPONSIBLE FOR ANY COSTS INCURRED FOR NON -COMPLIANT WORK CARRIED OUT WITHOUT THE EXPRESS APPROVAL OF THE ENGINEER OR DSA.

REFLECTED CEILING PLAN KEYNOTES

- 02.030 DEMO (E) LIGHTING FIXTURES, S.E.D. FOR DEMO EXIST
- 02.031 DEMO (E) MECHANICAL SYSTEM, S.M.D. FOR DEMO EXIST
- 02.032 DEMO (E) RECESSED CAN LIGHTS, S.E.D. FOR DEMO EXIST
- 02.312 (E) SPRINKLER HEAD AND LINE TO BE DEMOLISHED AND CAPPED PER FIRE PROTECTION DRAWINGS, SEE SHEET FP101
- 02.470 (E) CEILING ACCESS PANEL TO REMAIN
- 02.510 REMOVE (E) LIGHT FIXTURE, TO BE REPLACED PER PROPOSED RCP
- 02.692 DEMO (E) MANSARD ROOF STRUCTURE, FRAMING AND BLOCKING, S.S.D. AND DETAIL 6 / A8.10
- 02.693 DEMO (E) TRELLIS AND ASSOCIATED STRUCTURAL MEMBERS, SEE DEMO EXTERIOR ELEVATIONS AND DEMOLITION ROOF PLAN FOR EXTENT OF SCOPE
- 02.694 DEMO (E) MANSARD ROOF TO BE DEMOLISHED, SEE DEMO ROOF PLAN
- 02.700 REMOVE (E) PROJECTOR AND RETURN TO DISTRICT
- 02.721 DEMO (E) SUSPENDED CEILING SYSTEM
- 02.725 (E) GYPBOARD CEILING TO REMAIN, PROTECT DURING CONSTRUCTION
- 02.736 DEMO (E) IN CEILING PROJECTOR SCREEN
- 02.737 DEMO (E) IN CEILING SPEAKER
- 02.738 DEMO (E) ACCORDION DOOR
- 02.739 REMOVE AND SALVAGE (E) PROJECTOR, REINSTALL PER NEW RCP
- 02.741 DEMO (E) CEILING ACCESS PANEL

GRAPHIC KEY

- (E) 10'-0" CEILING HEIGHT
- (E) 2'-0" x 4'-0" "T" BAR CEILING SYSTEM
- FINISH FACE OF (E) WALL TO REMAIN
- (E) PERIMETER TRACK TO BE REMOVED
- (E) SUSPENDED ACOUSTICAL CEILING SYSTEM TO BE REMOVED

(E) GYPSUM BOARD CEILING TO REMAIN

(E) GYPSUM BOARD CEILING TO BE REMOVED

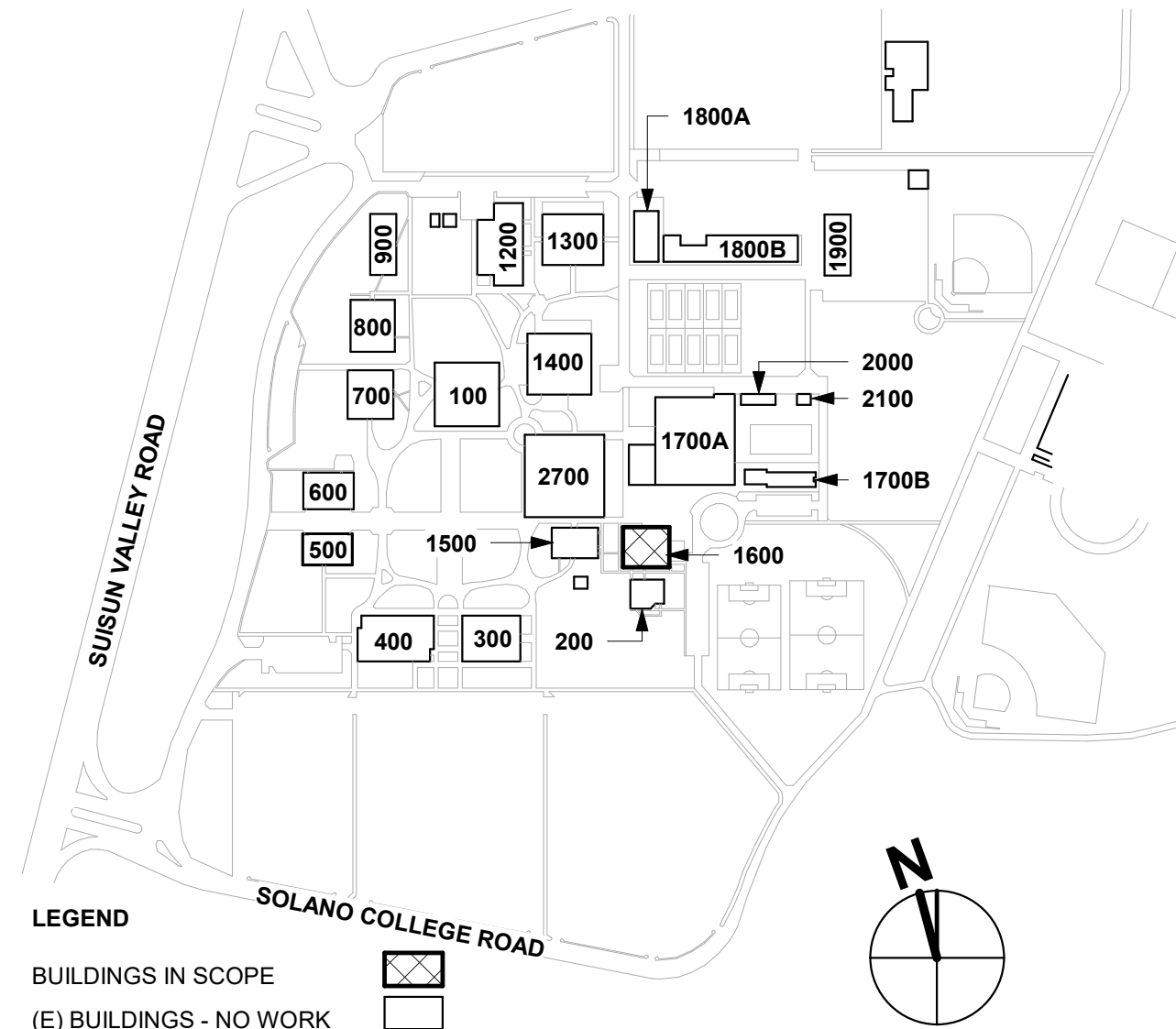
ELECTRICAL SYMBOLS

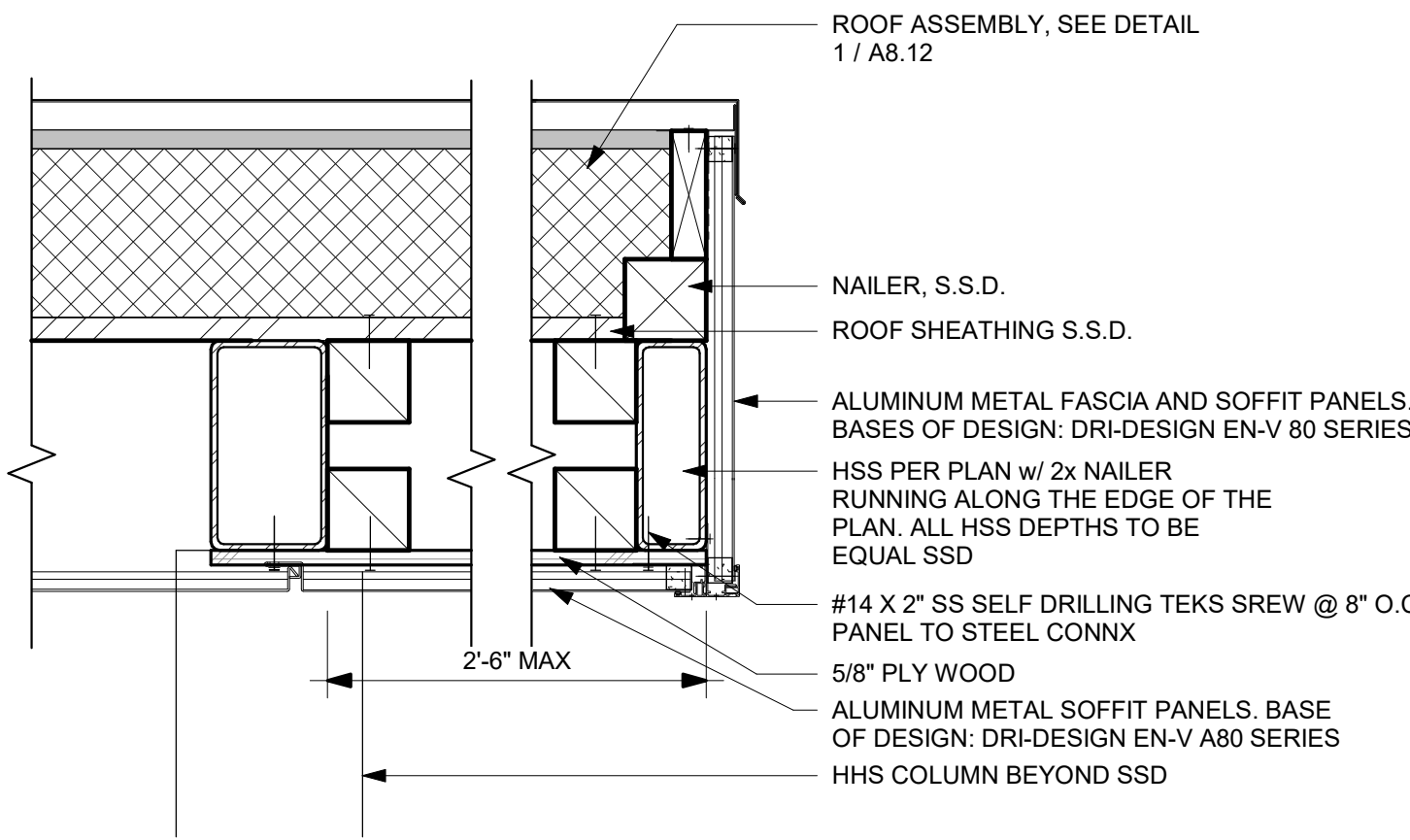
- (E) ITEMS TO BE DEMOLISHED
- (E) LIGHT FIXTURES TO BE REMOVED
- (E) LIGHT FIXTURES TO REMAIN, REFER TO ELECTRICAL DWGS.

MECHANICAL SYMBOLS

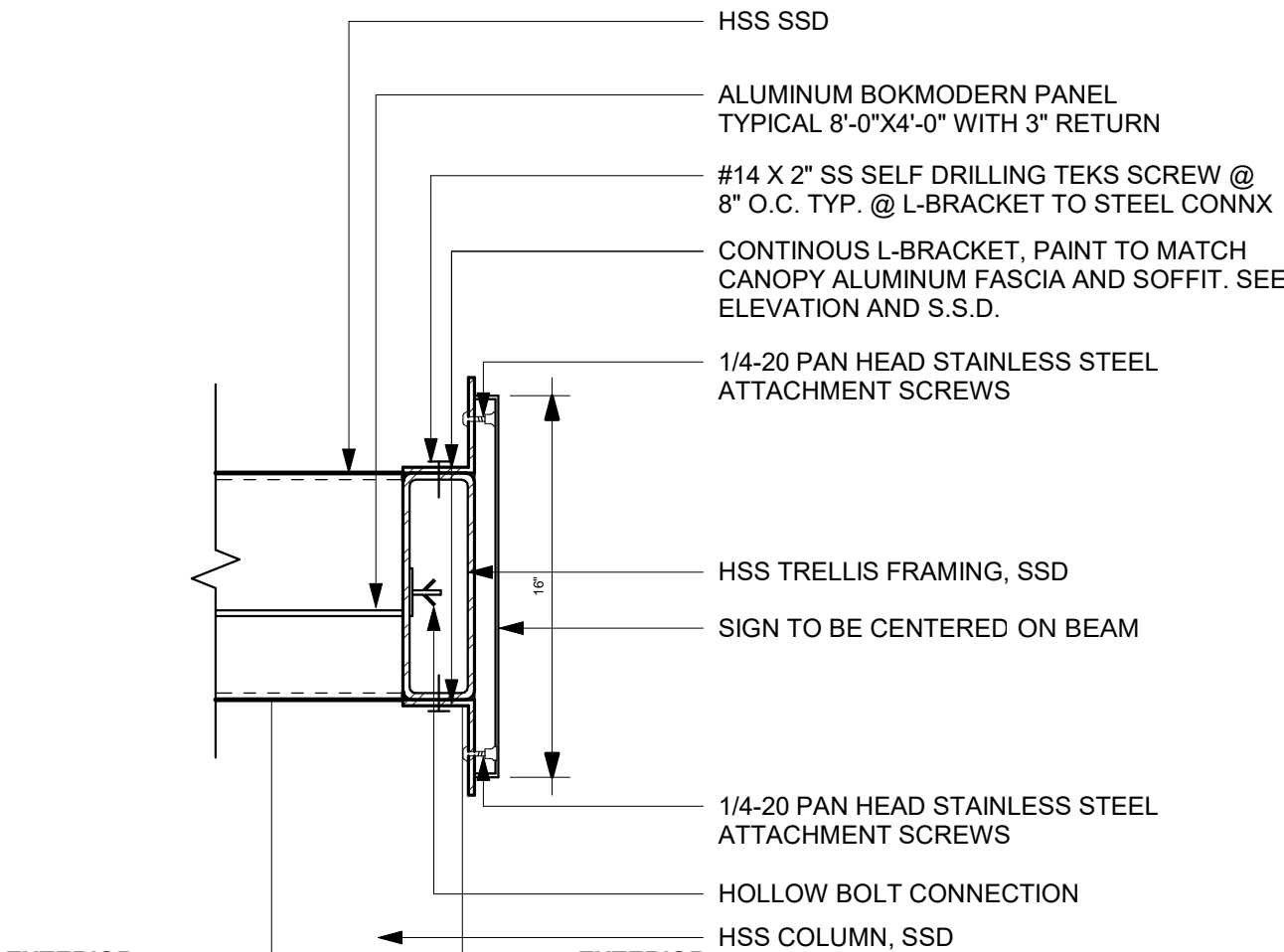
- (E) CEILING DIFFUSER TO BE DEMOLISHED
- (E) RETURN AIR REGISTER TO BE DEMOLISHED
- (E) CEILING DIFFUSER TO REMAIN, REFER TO MECHANICAL DWGS.
- (E) RETURN AIR REGISTER TO REMAIN, REFER TO MECHANICAL DWGS.
- (E) SPRINKLER HEAD TO BE DEMOLISHED

BUILDING KEY

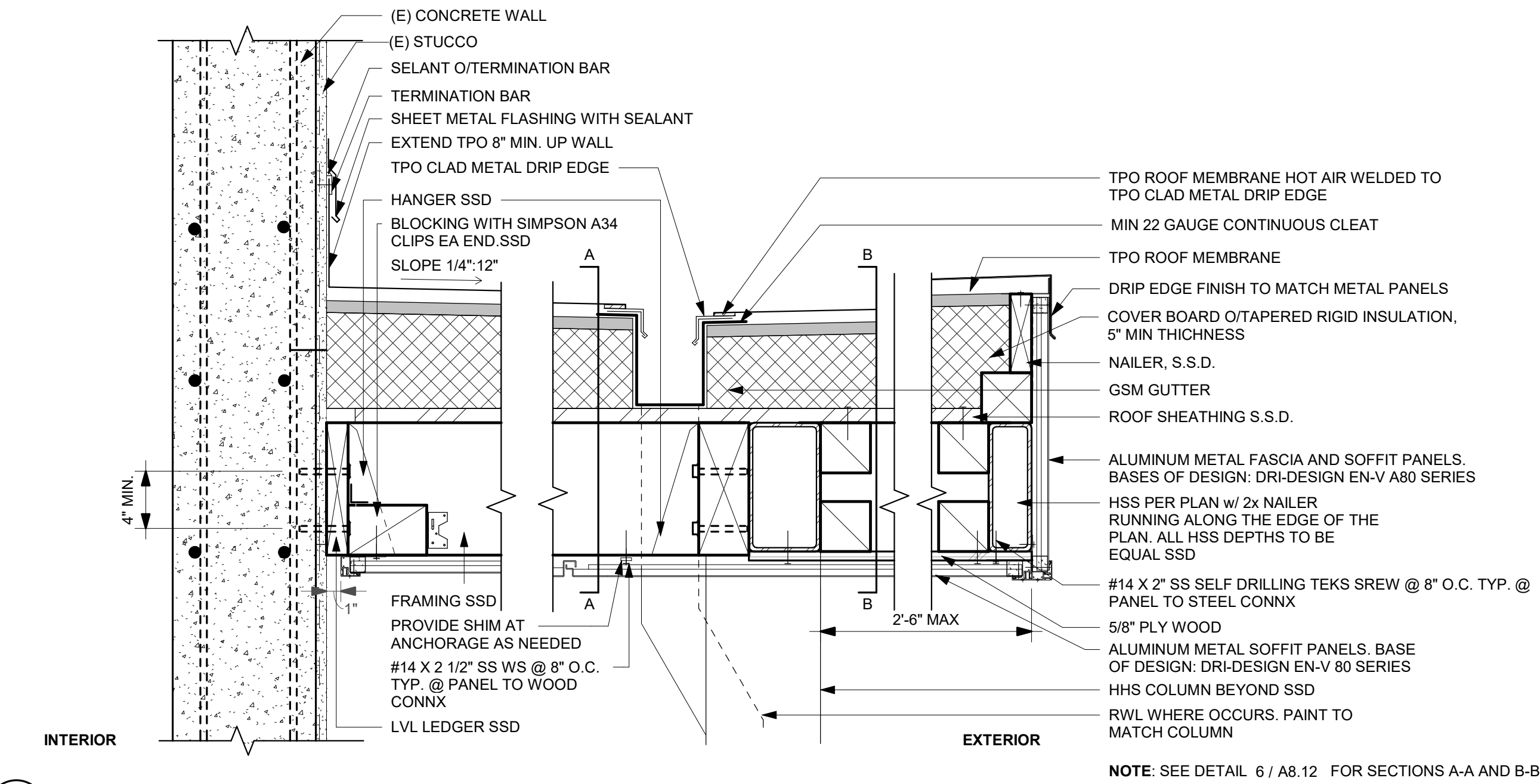




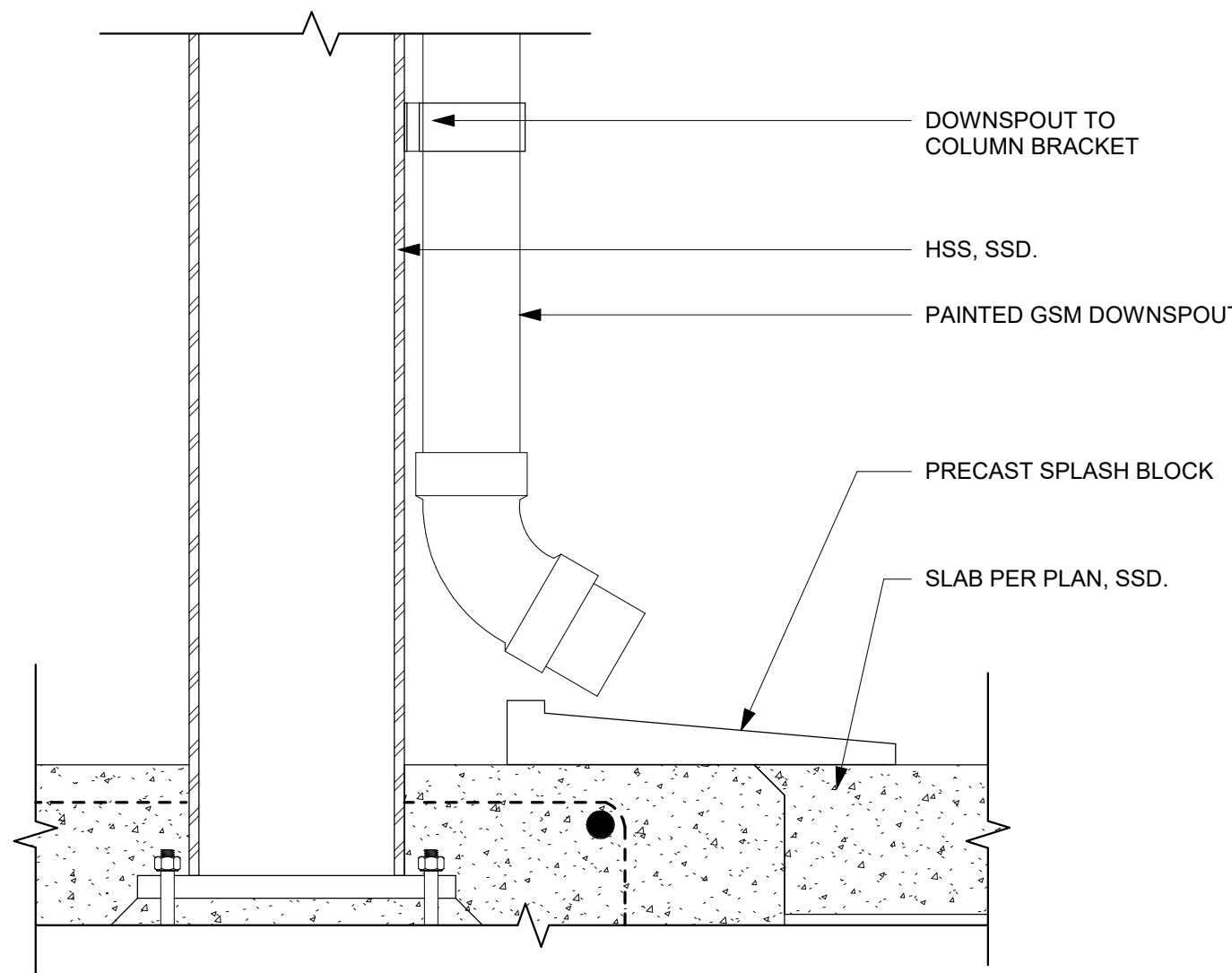
8 HIGH CANOPY ATTACHMENT END DETAIL
SCALE: 1 1/2" = 1'-0"



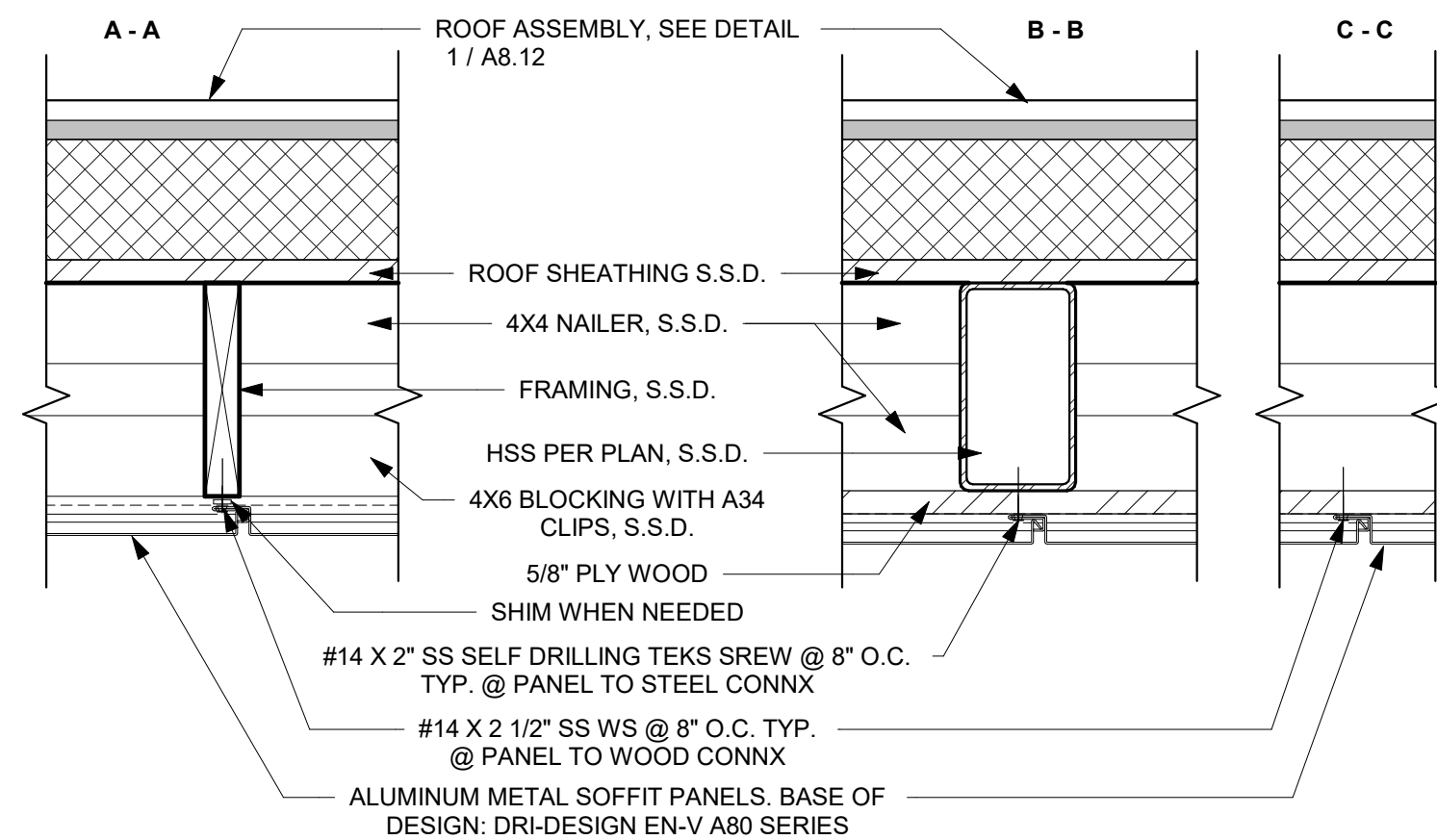
4 COSMETOLOGY SIGN ATTACHMENT
SCALE: 1 1/2" = 1'-0"



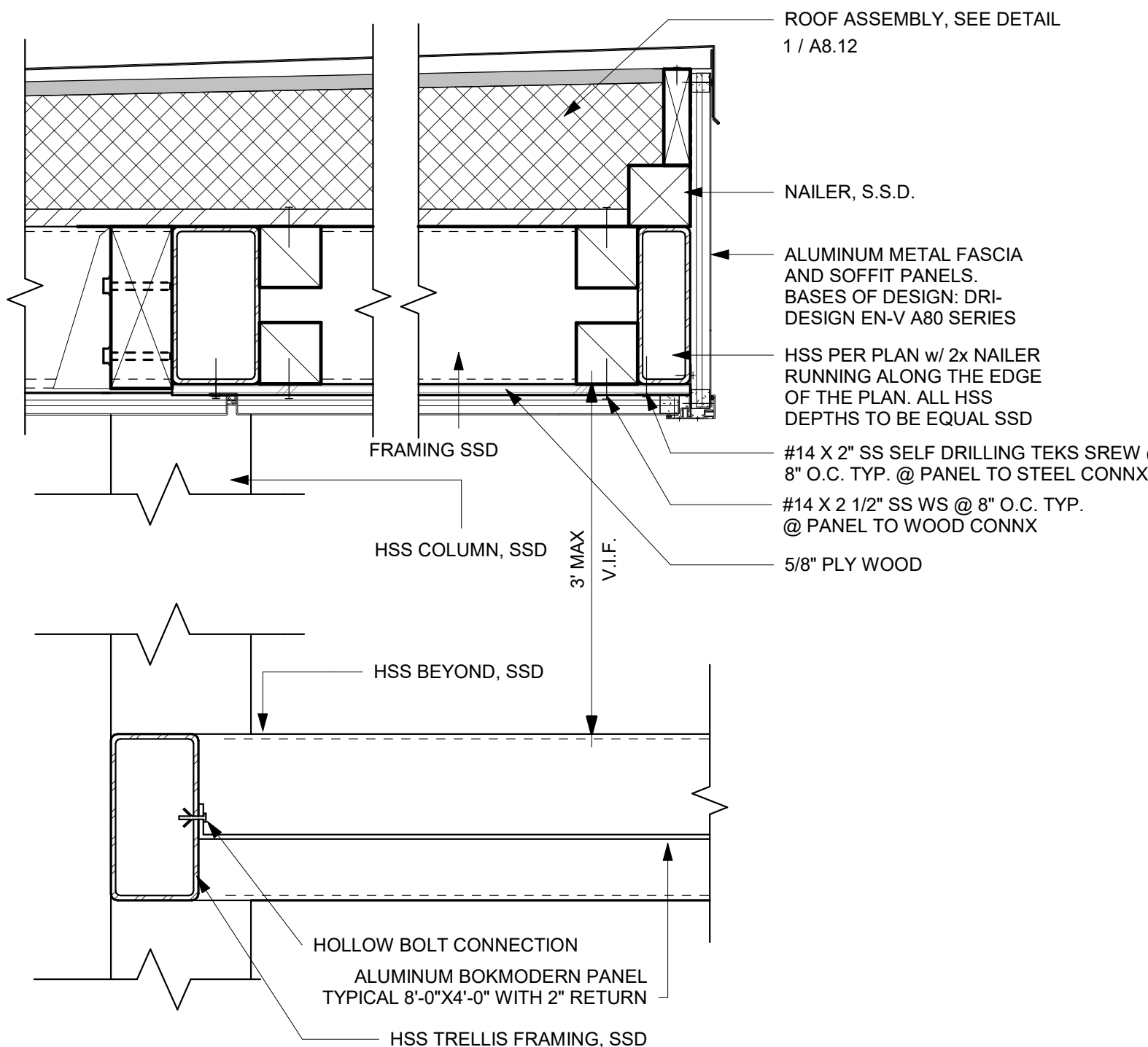
1 LOW CANOPY ATTACHMENT
SCALE: 1 1/2" = 1'-0"



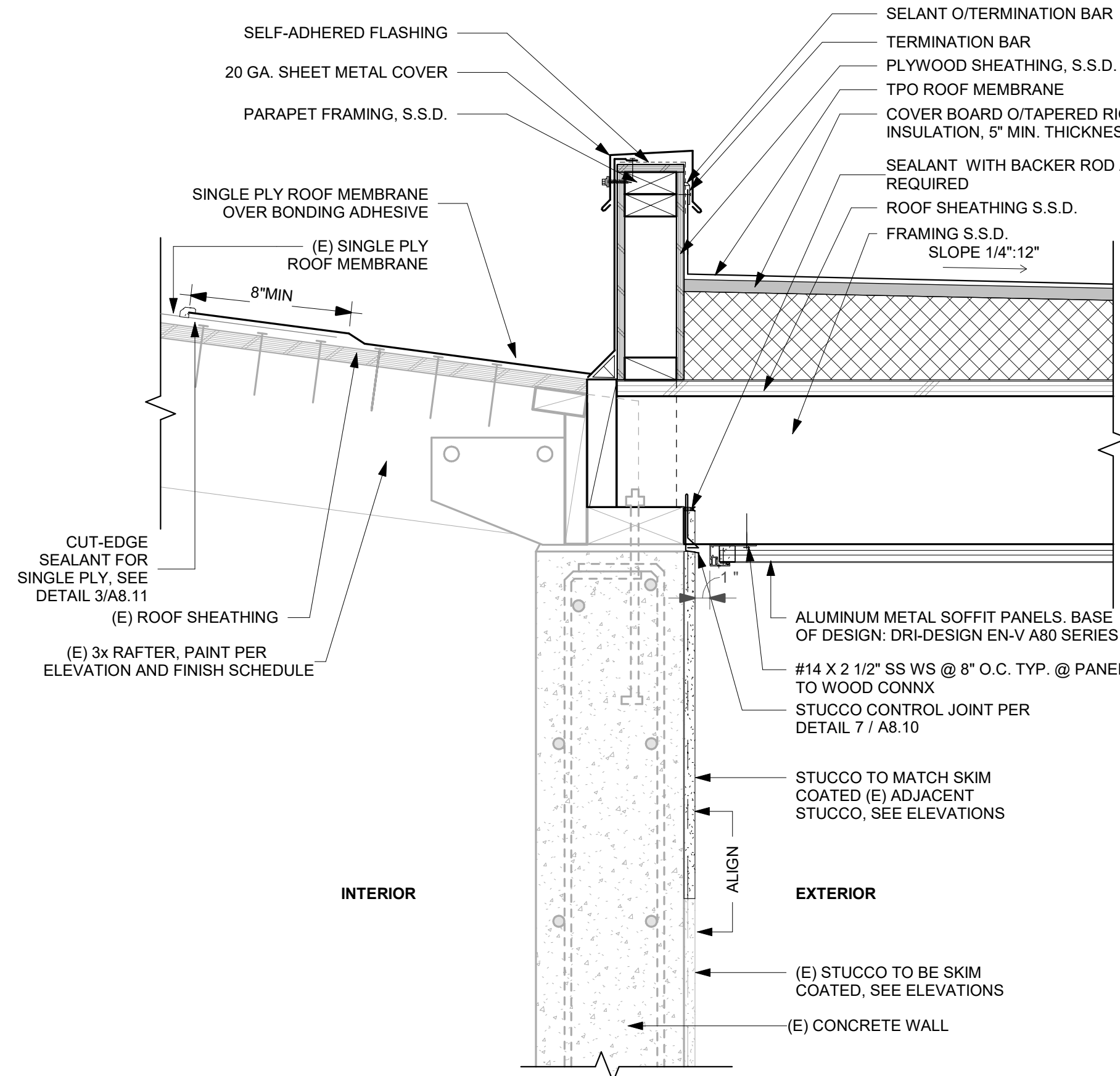
5 RAINWATER LEADER AND SPLASH BLOCK
SCALE: 1 1/2" = 1'-0"



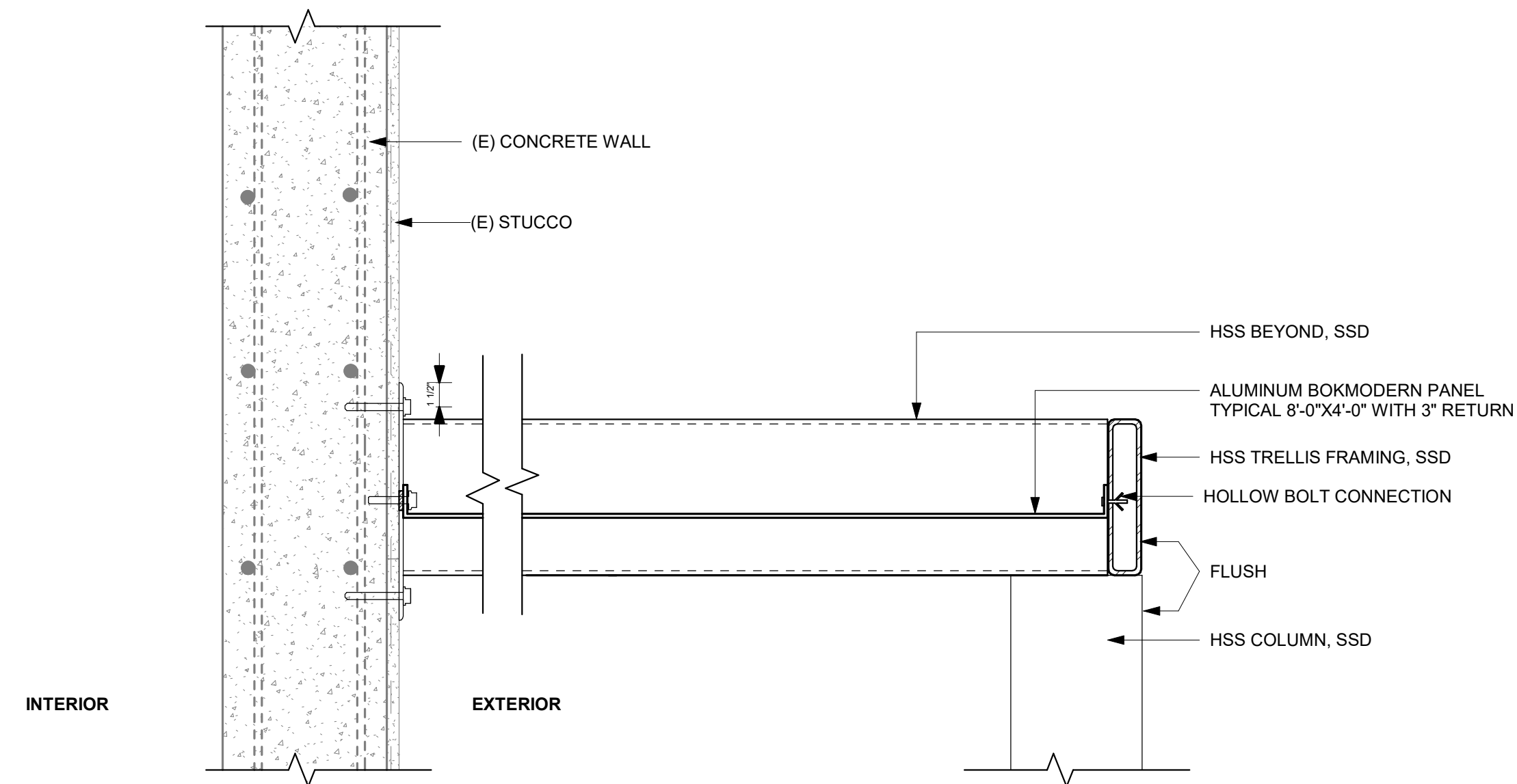
6 CANOPY ATTACHMENT
SCALE: 1 1/2" = 1'-0"



7 HIGH CANOPY END DETAIL
SCALE: 1 1/2" = 1'-0"



2 HIGH CANOPY ATTACHMENT @ NEW PARAPET
SCALE: 1 1/2" = 1'-0"



3 TRELLIS ATTACHMENT
SCALE: 1 1/2" = 1'-0"

aedis
architects

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tel: (408)-300-5160
fax: (408)-300-5121

PROJECT

Solano CCD BLDG 1600
MODERNIZATION

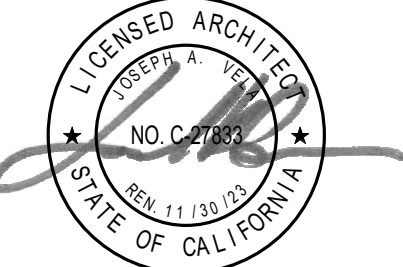


SOLANO
COMMUNITY COLLEGE

SOLANO COMMUNITY
COLLEGE DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

No.	Description	Date
A	Addendum 2	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

ROOF DETAILS

DATE 07/12/2024

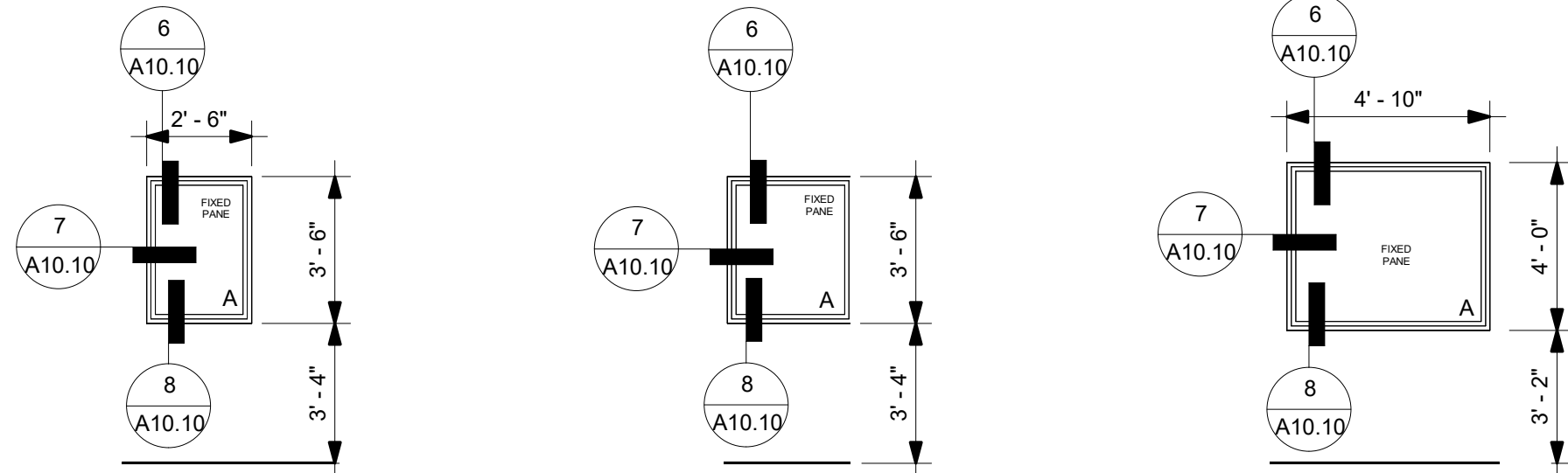
JOB # 2022047

SHEET #

AD2 - A8.12

(E) DOOR SCHEDULE						
DOOR ID	OPENING SIZE		HARDWARE GROUP	SIGN		COMMENTS
	WIDTH	HEIGHT		TYPE	LANGUAGE	
(E) 1601a	6' - 3 1/2"	6' - 11"	01A	ID.03, CD.05a, CD.07a, CD.09	BLDG 1600	(E) EXTERIOR DOOR WITH (N) HARDWIRED ELECTRONICALLY CONTROLLED PANIC HARDWARE
(E) 1601b	6' - 3 1/2"	6' - 11"	01	ID.03, CD.05a, CD.07a, CD.09	BLDG 1600	(E) EXTERIOR DOOR WITH (N) HARDWIRED ELECTRONICALLY CONTROLLED PANIC HARDWARE
(E) 1604a	3' - 3 1/2"	6' - 11"	02	ID.03, CD.05a, CD.09	NOT AND ENTRY	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
(E) 1606a	3' - 3 1/2"	6' - 11"	02	ID.03, CD.05a, CD.09	OFFICE	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
(E) 1608a	2' - 7"	6' - 11"	02	ID.03, CD.05a, CD.09	NAIL SALON	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
(E) 1625a	3' - 0"	6' - 11"	02	ID.03, ID.05, CD.05a, CD.09	CLASSROOM	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
(E) 1626a	3' - 1 1/2"	6' - 11"	02	ID.03, ID.05, CD.05a, CD.09	CLASSROOM	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
(E) 1633a	3' - 0"	6' - 11"	02	ID.03, ID.05, CD.05a, CD.09	CLASSROOM	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
(E) 1634a	3' - 0"	6' - 11"	02	ID.03, ID.05, CD.05a, CD.09	CLASSROOM	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
(E) 1635a	3' - 0"	6' - 11"	02	ID.03, ID.05, CD.05a, CD.09	CLASSROOM	(E) EXTERIOR DOOR WITH (N) HARDWARE, WIRELESS ELECTRICALLY CONTROLLED DOOR LOCK WITH CARD READER
NOTE: DOOR AND FRAME TO REMAIN. NEW HARDWARE AND SIGNAGE ONLY						

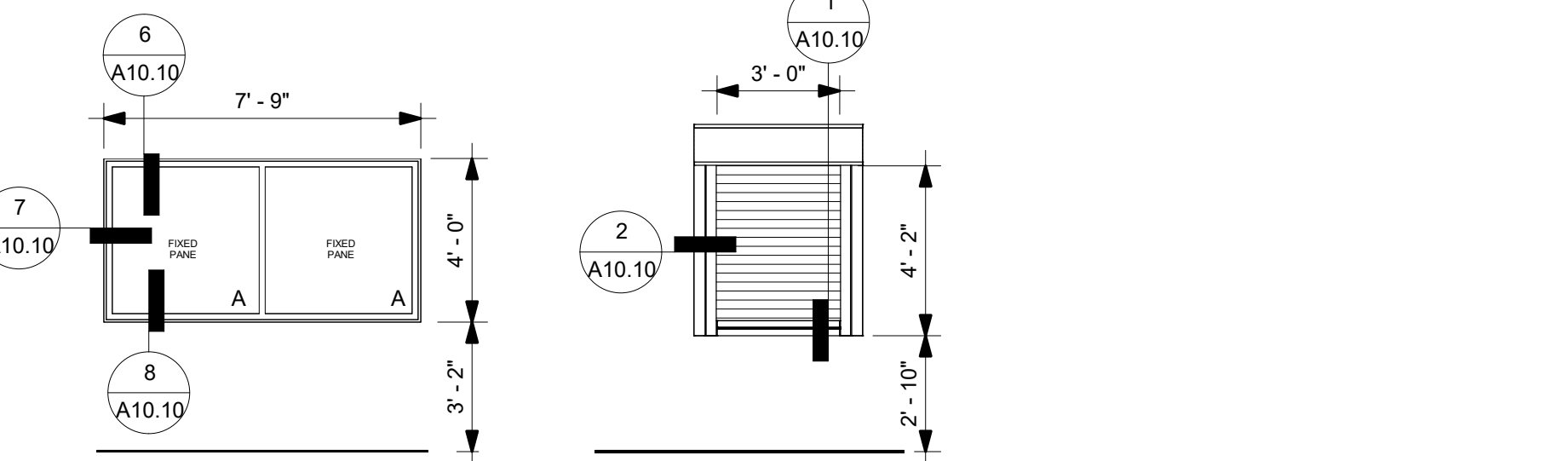
NOTE: DOOR AND FRAME TO REMAIN, NEW HARDWARE AND SIGNAGE ONLY



W1 ALUMINUM WINDOW
GLAZING TYPE A
ONE-WAY TINTED, REFER TO FLOOR PLAN AND KEYNOTES FOR VIEWING DIRECTION

W2 ALUMINUM WINDOW
GLAZING TYPE A
ONE-WAY TINTED, REFER TO FLOOR PLAN AND KEYNOTES FOR VIEWING DIRECTION

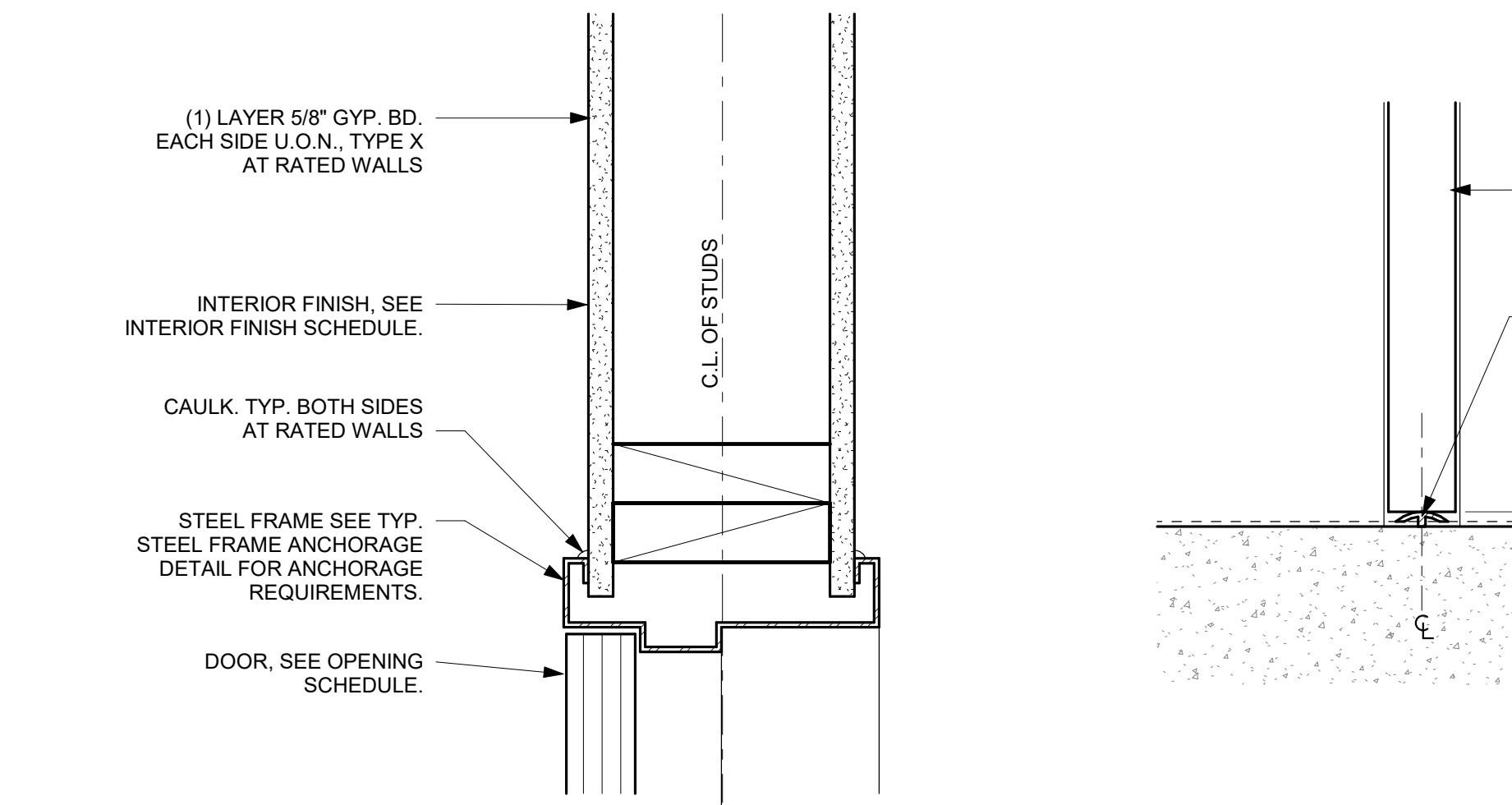
W3 ALUMINUM WINDOW
GLAZING TYPE A



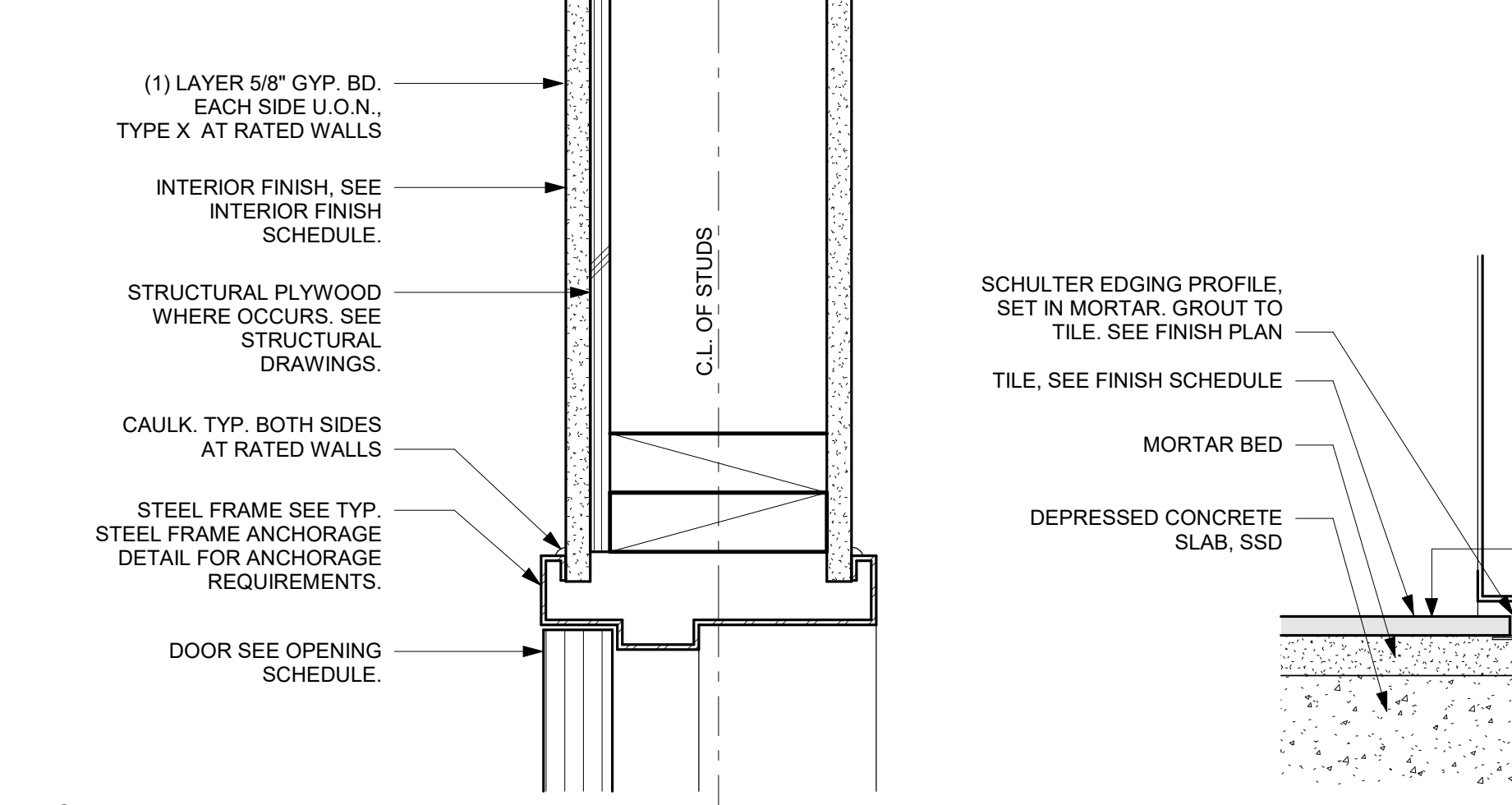
W4 ALUMINUM WINDOW
GLAZING TYPE A

W5 MOTOR-OPERATED ROLL UP DISPENSARY WINDOW
NO GLAZING

WINDOW TYPES
SCALE: 1/4" = 1'-0"



A TYPICAL CONDITION
SCALE: 3" = 1'-0"



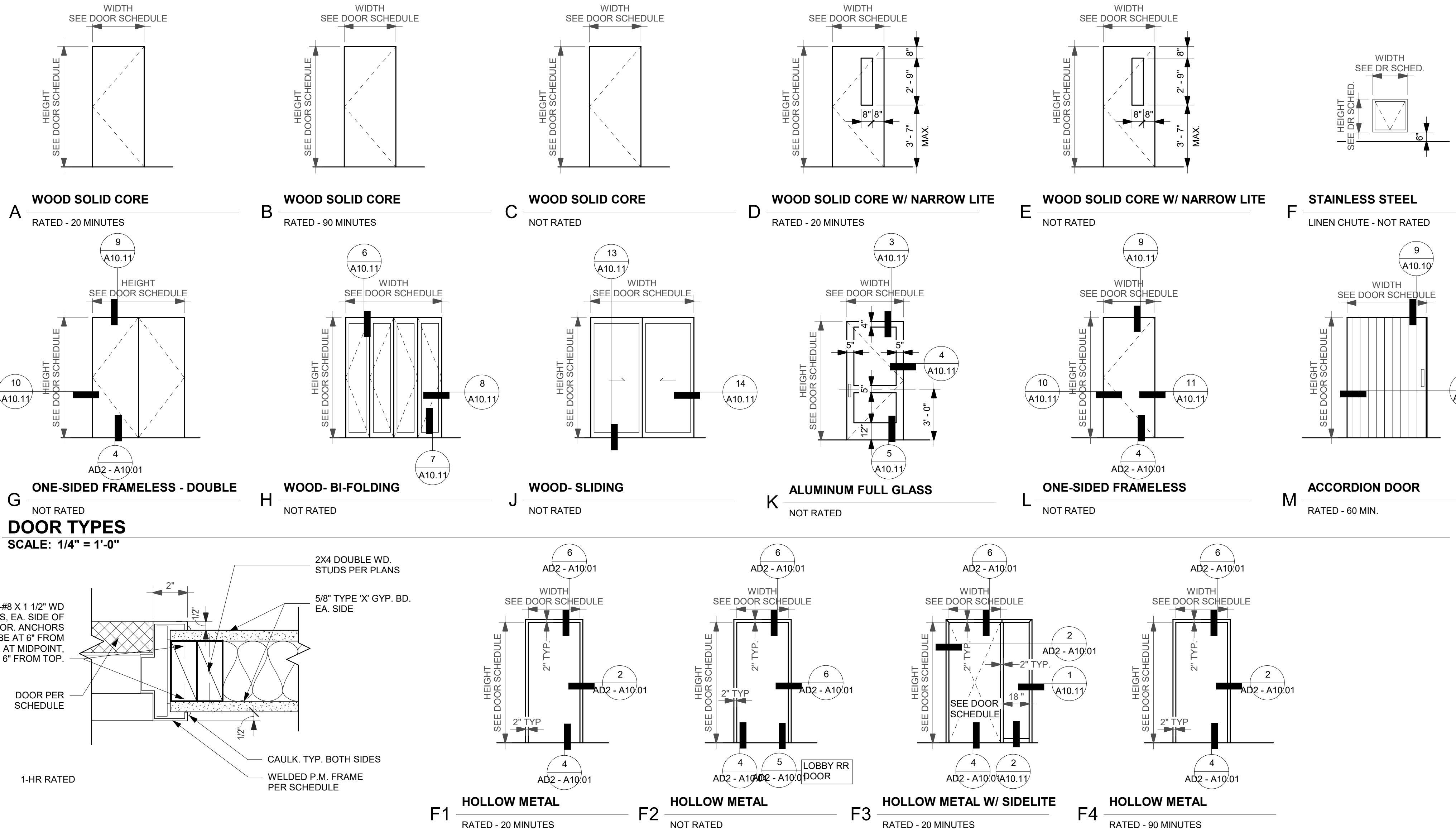
B WHERE PLYWOOD SHEATHING OCCURS
SCALE: 3" = 1'-0"

4 INTERIOR DOOR THRESHOLD
SCALE: 3" = 1'-0"

6 INTERIOR STEEL FRAME HEAD AND JAMB
SCALE: 3" = 1'-0"

5 DOOR THRESHOLD AT TILE
SCALE: 3" = 1'-0"

DOOR SCHEDULE													
DOOR ID	OPENING SIZE		TYPE MARK	DOOR FINISH	GLAZING	FRAME TYPE	FRAME FINISH	FIRE RATING	HARDWARE GROUP	SIGN		COMMENTS	
	WIDTH	HEIGHT								TYPE	LANGUAGE		
1602a	3'-3 1/2"	6'-11"	K	OIL BRONZE TO MATCH EXTERIOR DOORS	A	(E) STOREFRONT	(E) STOREFRONT	-	04	CD.09, CD.01, CD.05a	COSMETOLOGY	PANIC BAR, WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1602b	6'-0"	7'-0"	J	PAINTED - P1-1	-	F2	ALUMINUM	-	18	-	N/A	SLIDING CLOSET DOOR - NO LOCK	
1602c	3'-0"	7'-0"	L	TYPE II WALLCOVERING	-	PER MANUF.	FRAMELESS ON THE EXTERIOR - INTERIOR PER MANUFACTURER	-	15	CD.02, CD.01	ALL-GENDER RESTROOM	FRAMELESS DOOR- RESTROOM LOCK WITH OCCUPANCY INDICATOR BASES OF DESIGN DOOR INDUSTRY SERIE 7000.	
1604b	3'-0"	7'-0"	D	CLEAR WHITE MAPLE VENEER	C	F1	PAINTED	20-MIN	05 (Fire rated exiting device F9300)	ID.03, CD.05b	COSMETOLOGY CLASSROOM	PANIC BAR, WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS	
1604c	3'-0"	7'-0"	C	CLEAR WHITE MAPLE VENEER	-	F2	PAINTED	-	21	-	STORAGE	STORAGE ROOM WITH LOCK	
1604e	1'-11"	2'-0"	F	STAINLESS STEEL	-	PER MANUF.	STAINLESS STEEL	-	20	-	N/A	LAUNDRY CHUTE	
1606b	3'-0"	7'-0"	E	CLEAR WHITE MAPLE VENEER	B	F2	PAINTED	-	10	ID.03	OFFICE	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1607a	3'-0"	7'-0"	E	CLEAR WHITE MAPLE VENEER	B	F2	PAINTED	-	11	ID.03	SALON WORKROOM	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1607b	5'-5"	7'-0"	H	PAINTED - P1-1	-	F2	PAINTED	-	19	-	N/A	PAINTED BI-FOLDING DOORS-NO LOCK	
1608b	3'-0"	7'-0"	E	CLEAR WHITE MAPLE VENEER	B	F2	PAINTED	-	12	ID.03	NAILS	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1609a	3'-0"	7'-0"	E	CLEAR WHITE MAPLE VENEER	B	F2	PAINTED	-	10	ID.03	OFFICE	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1610a	3'-0"	7'-0"	E	CLEAR WHITE MAPLE VENEER	B	F2	PAINTED	-	10	ID.03	WORKROOM	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1611a	3'-0"	7'-0"	E	CLEAR WHITE MAPLE VENEER	B	F2	PAINTED	-	12	ID.03, CD.05b	ESTHETICS	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1620a	3'-0"	7'-0"	D	CLEAR WHITE MAPLE VENEER	C	F3	PAINTED	20-MIN	08	ID.03	OFFICE	ELECTRONICALLY CONTROLLED DOOR LOCKS	
1621a	3'-0"	7'-0"	D	CLEAR WHITE MAPLE VENEER	C	F3	PAINTED	20-MIN	08	ID.03	OFFICE	ELECTRONICALLY CONTROLLED DOOR LOCKS	
1622a	3'-0"	7'-0"	C	CLEAR WHITE MAPLE VENEER	-	F2	PAINTED	-	13	ID.03	STORAGE	STORAGE ROOM WITH LOCK	
1623a	2'-6"	6'-8"	G	TYPE II WALLCOVERING	-	PER MANUF.	FRAMELESS ON THE EXTERIOR - INTERIOR PER MANUFACTURER	-	14	ID.03	JANITOR	FRAMELESS FLUSH DOOR WITH CONCEALED HINGES - STORAGE ROOM LOCK	
1626b	3'-0"	7'-0"	D	CLEAR WHITE MAPLE VENEER	C	F1	PAINTED	20-MIN	08	ID.03, CD.05b	CLASSROOM	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1632a	3'-0"	6'-8"	L	TYPE I WALLCOVERING	-	PER MANUF.	FRAMELESS ON THE EXTERIOR - INTERIOR PER MANUFACTURER	-	09	ID.03	IDF	FRAMELESS DOOR-WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1638a	3'-0"	7'-0"	D	CLEAR WHITE MAPLE VENEER	C	(E)	PAINTED	20-MIN	08	ID.03, CD.05b	CLASSROOM	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1642a	3'-0"	7'-0"	D	CLEAR WHITE MAPLE VENEER	C	(E)	PAINTED	20-MIN	08	ID.03, CD.05b	CLASSROOM	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1648a	3'-0"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	17	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1648b	2'-6"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	16	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1650a	2'-6"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	16	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1651a	2'-6"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	16	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1652a	3'-0"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	17	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1653a	3'-0"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	17	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1654a	2'-6"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	16	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1655a	2'-6"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	16	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1656a	2'-6"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	16	CD.01, CD.02	ALL-GENDER RESTROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	
1657a	3'-6"	7'-0"	B	CLEAR WHITE MAPLE VENEER	-	F4	PAINTED	90-MIN	06 (Fire rated exiting device F9300)	ID.03	ELECTRICAL ROOM	PANIC BAR, WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1658a	3'-0"	7'-0"	A	CLEAR WHITE MAPLE VENEER	-	F1	PAINTED	20-MIN	07	ID.03	MECHANICAL ROOM	WIRELESS ELECTRONICALLY CONTROLLED DOOR LOCKS WITH CARD READER	
1659a	10'-7"	9'-0"	M	PER MANUFACTURER	-	PER MANUF.	NO FRAME	60-MIN	20	-	N/A	ACCORDION FIRE RATED FOLDING DOOR - BASES OF DESIGN - WORN FIREGUARD DOOR	
1660a	3'-0"	6'-8"	C	HIGH PRESSURE DECO LAMINATE	-	F2	PAINTED	-	17	ID.03	LACTATION ROOM	RESTROOM LOCK WITH OCCUPANCY INDICATOR	



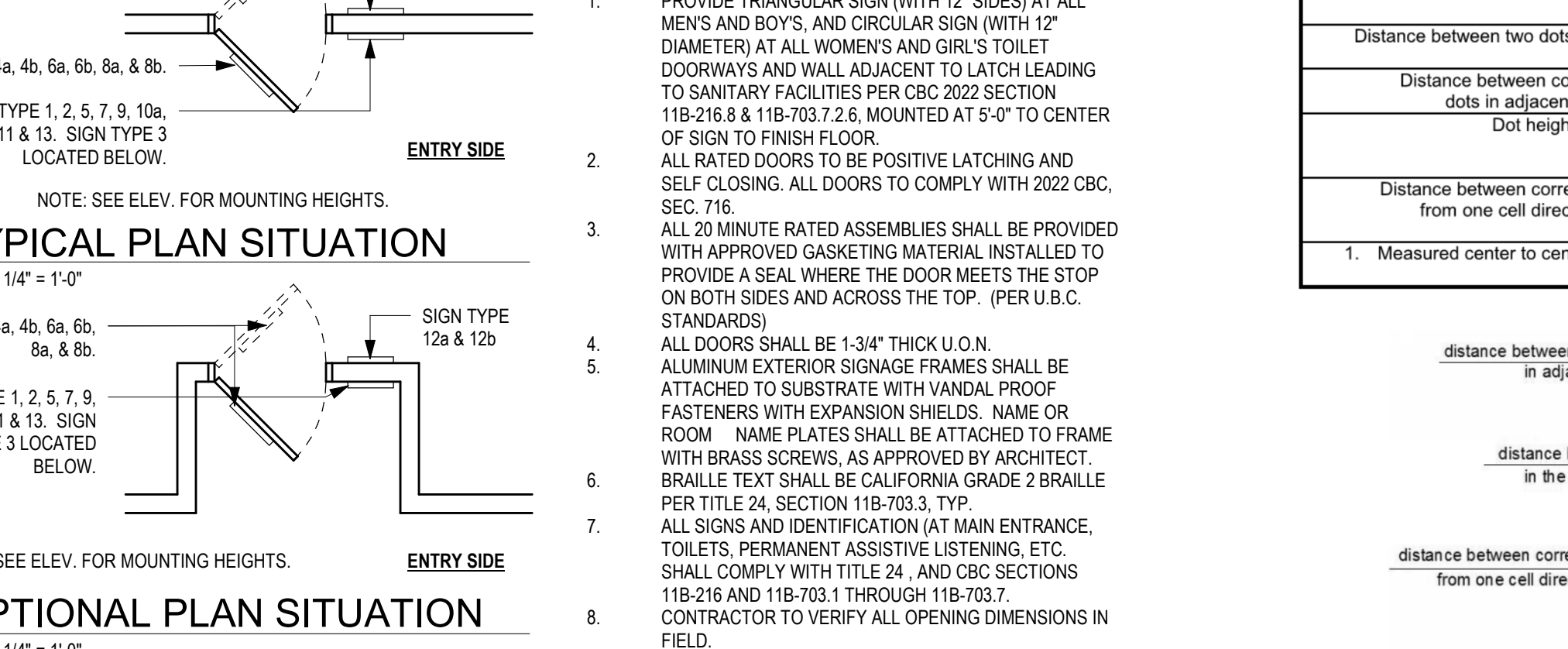
F1 HOLLOW METAL
RATED - 20 MINUTES

F2 HOLLOW METAL
NOT RATED

F3 HOLLOW METAL W/ SIDELITE
RATED - 20 MINUTES

F4 HOLLOW METAL
RATED - 90 MINUTES

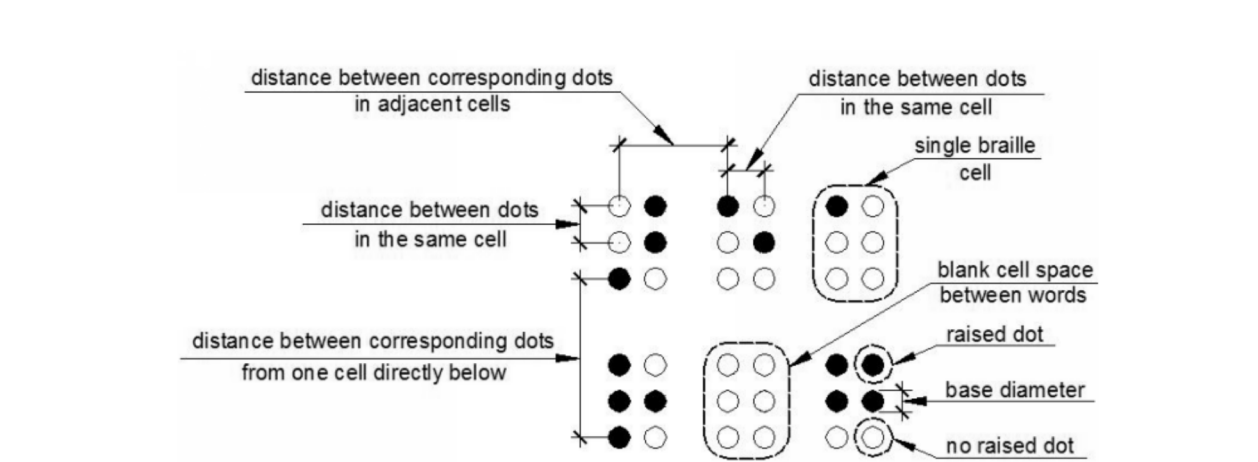
FRAME TYPES
SCALE: 1/4" = 1'-0"



NOTES:

- PROVIDE TRIANGULAR SIGN (WITH 12" SIDES) AT ALL MEN'S AND BOYS' AND CIRCULAR SIGN (WITH 12" DIAMETER) AT ALL WOMEN'S AND GIRLS' TOILET DOORWAYS AND WALL ADJACENT TO LATCH LEADING TO SANITARY FACILITIES PER CBC 2022 SECTION 11B-216 & 11B-703.2.6. MOUNTED AT 5'-0" TO CENTER OF SIGN TO FINISH FLOOR.
- ALL RATED DOORS TO BE POSITIVE LATCHING AND SELF-CLOSING. ALL DOORS TO COMPLY WITH 2022 CBC, SEC. 716.
- ALL 20 MINUTE RATED ASSEMBLIES SHALL BE PROVIDED WITH APPROVED GASKETING MATERIAL, INSTALLED TO PROVIDE A SEAL WHERE THE DOOR MEETS THE STOP ON BOTH SIDES AND ACROSS THE TOP. (PER U.B.C. STANDARDS)
- ALL DOORS SHALL BE 1-3/4" THICK U.O.N.
- ALUMINUM EXTERIOR SIGNAGE FRAMES SHALL BE ATTACHED TO SUBSTRATE WITH WOOD SCREWS, FASTENERS WITH EXPANSION SHIELDS. NAME OR ROOM NAME PLATES SHALL BE ATTACHED TO FRAME WITH BRASS SCREWS, AS APPROVED BY ARCHITECT.
- BRAILLE TEXT SHALL BE CALIFORNIA GRADE 2 BRAILLE PER TITLE 24, SECTION 11B-703.3, TYP.
- ALL SIGNS AND IDENTIFICATION AT MAIN ENTRANCE, TOILETS, PERMANENT ASSISTIVE LISTENING, ETC. SHALL COMPLY WITH TITLE 24, AND CBC SECTIONS 11B-216 AND 11B-703.1 THROUGH 11B-703.3.
- CONTRACTOR TO VERIFY ALL OPENING DIMENSIONS IN FIELD.

Table 11B-703.3.1 Braille Dimensions	
Measurement Range	Minimum in Inches Maximum in Inches
Dot base diameter	0.059 (1.5 mm) to 0.063 (1.6 mm)
Distance between two dots in the same cell ¹	0.100 (2.5 mm)
Distance between corresponding dots in adjacent cells ¹	0.300 (7.6 mm)
Dot height	0.025 (0.6 mm) to 0.037 (0.9 mm)
Distance between corresponding dots from one cell directly below	0.385 (9.8 mm) to 0.400 (10.2 mm)



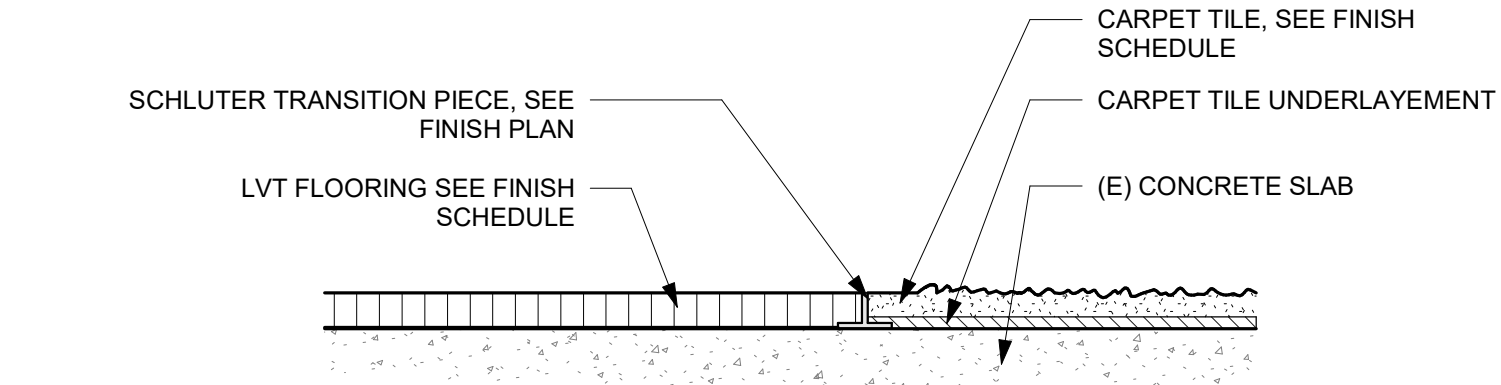
FINISH SCHEDULE						
ROOM		FLOOR		WALL FINISH	CEILING FINISH	COMMENTS
NUMBER	NAME	FLOOR FINISH	BASE FINISH			
1601	CORRIDOR	LVT-3, LVT-4	B-1	PI-1	GB(E), PI-1	
1602	LOBBY	CT-2, CT-3, CT-4	B-1	PI-1, WC-1	ACT-1	
1603	RR	T-2	SCL-2	T-3, T-4, PI-1	GB-1, PI-1	
1604	SALON	LVT-1, LVT-2	B-1	PI-1, PI-2, B.O.S. PI-1, PI-4	ACB-1, ACT-1, B.O.S. PI-1, PI-4	
1606	OFFICE	CT-1	B-1	PI-1	ACT-1	
1607	SALON WORKROOM	LVT-1	B-1	PI-1	ACT-1	
1608	NAILS	LVT-1	B-1	PI-1	ACT-1	
1609	OFFICE	CT-1	B-1	PI-1	ACT-1	
1610	NAIL WORKROOM	LVT-1	B-1	PI-1	ACT-2	
1611	ESTHETICS	LVT-1	B-1	PI-1	ACT-1	
1620	OFFICE	CT-1	B-1	PI-1	ACT-1	
1621	OFFICE	CT-1	B-1	PI-1	ACT-1	
1622	STORAGE	LVT-1	B-1	PI-1	B.O.S.	
1623	JANITOR	CONC	B-2	FRP, PI-1	B.O.S.	
1625	CLASSROOM	CT-1	B-1	PI-1	ACT-1	
1626	CLASSROOM	LVT-1	B-1	PI-1	ACT-1	
1632	IDF	CONC	B-1	PI-1	B.O.S.	
1633	CLASSROOM	LVT-3	B-1	PI-1	ACT-1	
1635	CLASSROOM	CT-1	B-1	PI-1	ACT-1	
1638	CLASSROOM	LVT-2	B-1	PI-1	ACT-1	
1642	CLASSROOM	CT-1	B-1	PI-1	ACT-1	
1648	FAMILY RESTROOM	T-2	SCL-2	T-3, T-4, PI-1	GB, PI-1	
1649	RR	T-2	SCL-2	T3, T-5	GB, PI-1	
1650	AMBULATORY STALL	T-2	SCL-2	T-3, T-5	GB, PI-1	
1651	AMBULATORY STALL	T-2	SCL-2	T-3, T-5	GB, PI-1	
1652	RESTROOM	T-2	SCL-2	T-3, T-6	GB, PI-1	
1653	ADA RESTROOM	T-2	SCL-2	T-3, T-6	GB, PI-1	
1654	RR	T-2	SCL-2	T-3, T-5	GB, PI-1	
1655	RR	T-2	SCL-2	T-3, T-5	GB, PI-1	
1656	RR	T-2	SCL-2	T-3, T-5	GB, PI-1	
1657	ELEC	(E) CONC	B-1	PI-1	B.O.S.	
1658	MECH	(E) CONC	B-1	PI-1	B.O.S.	
1659	COMMUNAL SINK AREA	T-1, T-2	B-2	PI-1, WC-2	GB, PI-1	
1660	LACTATION ROOM	T-2	B-2	PI-1, WC-3	GB, PI-1	

GENERAL FINISH NOTES

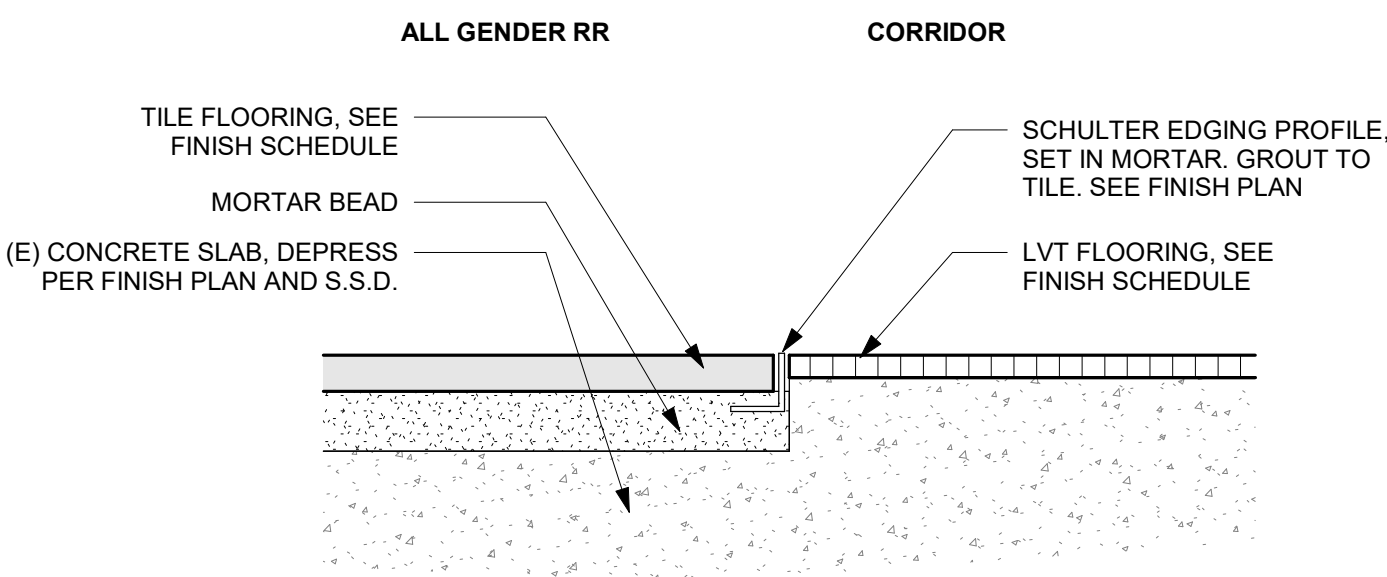
- A WHERE MULTIPLE WALL FINISHES ARE CALLED OUT, REFER TO INTERIOR ELEVATIONS FOR LOCATIONS OF INDIVIDUAL FINISHES.
- B WHERE MULTIPLE FLOOR FINISHES ARE CALLED OUT, REFER TO FLOOR FINISH PLANS FOR LOCATIONS OF INDIVIDUAL FINISHES.
- C PROVIDE FINISHES TO COMPLY WITH FLAME SPREAD & SMOKE DENSITY REQUIREMENTS OF CBC 803 and 804.
- D WHERE LEFT UNMARKED, (E) WALL FINISHES ARE TO REMAIN U.O.N.

FINISH LEGEND

MARK	DESCRIPTION	MFR. / BRAND	COLOR / FINISH	COMMENTS
ACB-1	ACOUSTIC BOARD	KNAUF INSULATION	BLACK	2" THICK
ACT-1	2'-0" x 4'-0" ACOUSTICAL CEILING TILES	USG	MILLENNIA CLIMAX PLUS ILLUSION #78780	
ALU-1	ALUMINUM SOFFIT AND FACIAL PANELS	DRI-DESIGN	EN-V A50 SERIES CLASSIC BRONZE 5001	
B-1	4" RUBBER TOP SET BASE	BURKE MERCER	DARK GRAY	
B-2	6" x 6" SANITARY TILE COVE BASE	DALTILE	ARTIC WHITE 0190 # S3619	
B.O.S.	OPEN TO BOTTOM OF STRUCTURE			
C-1	SOLID EPOXY	DURCON	GRAPHITE	1" THICK
C-2	COMPOSITE ENGINEERED STONE	CARSTARSTONE	MINNESOTA SNOW	
C-3	CORIAN	CORIAN	EVEREST	
C-5	WOOD TOP		CLEAR MAPLE - GLOSS FINISH	3/4" THICK
CONC	EXPOSED CONCRETE FLOOR			
CT-1	CARPET TILE	TARKETT	CONTINUUM 11328 - DEEP BLUE 31303	
CT-2	CARPET TILE	TARKETT	HALFTONE 04313 - GREYSCALE 18901	
CT-3	CARPET TILE	TARKET	METRI II - 04654 ZUL 62117	
CT-4	WALK-OFF MAT	TARKETT	ABRESIVE ACTION II - WINTER GRAY	
FRP	FIBER REINFORCED PLASTIC			
FT-1	WALL FELT TILE	FELT RIGHT	COLOR 1 TBD	
FT-2	WALL FELT TILE	FELT RIGHT	COLOR 2 TBD	
FT-3	WALL FELT TILE	FELT RIGHT	COLOR 3 TBD	
FT-4	WALL FELT TILE	FELT RIGHT	COLOR 4 TBD	
FT-5	WALL FELT TILE	FELT RIGHT	COLOR 5 TBD	
FT-6	WALL FELT TILE	FELT RIGHT	COLOR 6 TBD	
FT-7	WALL FELT TILE	FELT RIGHT	COLOR 7 TBD	
FT-8	WALL FELT TILE	FELT RIGHT	COLOR 8 TBD	
GB	GYP SUM BOARD			
GR-1	GROUT FLOOR AND WALLS	MAPEI - FlexColor CG		
LVT-1	LUXURY VINYL TILE	MINERAL FLOOR - SHAW CONTRACT	STYLE ORIGIN: INHERENT 38700	5.66 X 47 TO BE INSTALLED PRIOR TO CASEWORK INSTALLATION U.O.N
LVT-2	LUXURY VINYL TILE	MINERAL FLOOR - SHAW CONTRACT	STYLE ORIGIN: OVERTURE 38760	5.66 X 47 TO BE INSTALLED PRIOR TO CASEWORK INSTALLATION U.O.N
LVT-3	LUXURY VINYL TILE	FLEXCO	NATURAL ELEMENTS: 632 DUSK	
LVT-4	LUXURY VINYL TILE	FLEXCO	NATURAL ELEMENTS: 604 GRAY ASH	
PE-1	EXTERIOR PAINT			
PE-2	EXTERIOR PAINT			
PI-1	INTERIOR PAINT	SHERWIN WILLIAMS	WHITE HERON 7627	FIELD
PI-2	INTERIOR PAINT	SHERWIN WILLIAMS	TBD	ACCENT 1
PI-3	INTERIOR PAINT	SHERWIN WILLIAMS	TBD	ACCENT 2
PI-4	INTERIOR PAINT	SHERWIN WILLIAMS	BLACK - lbd	CEILING, STRUCTURAL AND MECHANICAL EQUIPMENT
PI-5	INTERIOR PAINT	SHERWIN WILLIAMS	TBD	ACCENT 3
PL-1	PLASTIC LAMINATE	WILSONART	7998	
PL-2	PLASTIC LAMINATE	WILSONART	7998	
PL-3	PLASTIC LAMINATE	WILSONART	7911-60	CHEMSURF
SCL-1	CORNER AND TRIMS	SCHLUTER		
SCL-2	COVE TRIM	SCHLUTER		
SCL-3	TRANSITION PIECE - FLOOR TRIM	SCHLUTER		
SS	STAINLESS STEEL			
T-1	24" x 24" PORCELAIN FLOOR TILE	DALTILE	PORTFOLIO 24" X 24" IRON GREY PF06	FIELD FLOOR
T-2	24" x 24" PORCELAIN FLOOR TILE	DALTILE	PORTFOLIO 24" X 24" ASH GREY PF05	FIELD WALL TILE
T-3	4 1/4" x 12 1/4" CERAMIC WALL TILE	DALTILE	COLOR WHEEL LINEAR	FIELD WALL TILE
T-4	1" x 1" CERAMIC WALL TILE	DALTILE	KEYSTONES OLIVE BLEND dk-23	ACCENT 2
T-5	1" x 1" CERAMIC WALL TILE	DALTILE	KEYSTONES MACARON BLEND dk-25	ACCENT 3
T-6	1" x 1" CERAMIC WALL TILE	DALTILE	KEYSTONES MAPLE BLEND dk-26	ACCENT 4
V-1	VINYL			
WC-1	WALLCOVERING	MDC CUSTOM		
WC-2	WALLCOVERING	MDC CUSTOM		
WC-3	WALLCOVERING	MDC TBD		



1 LVT TO CARPET TRANSITION
SCALE: 6" = 1'-0"



2 LVT TO TILE TRANSITION
SCALE: 6" = 1'-0"

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SHEET

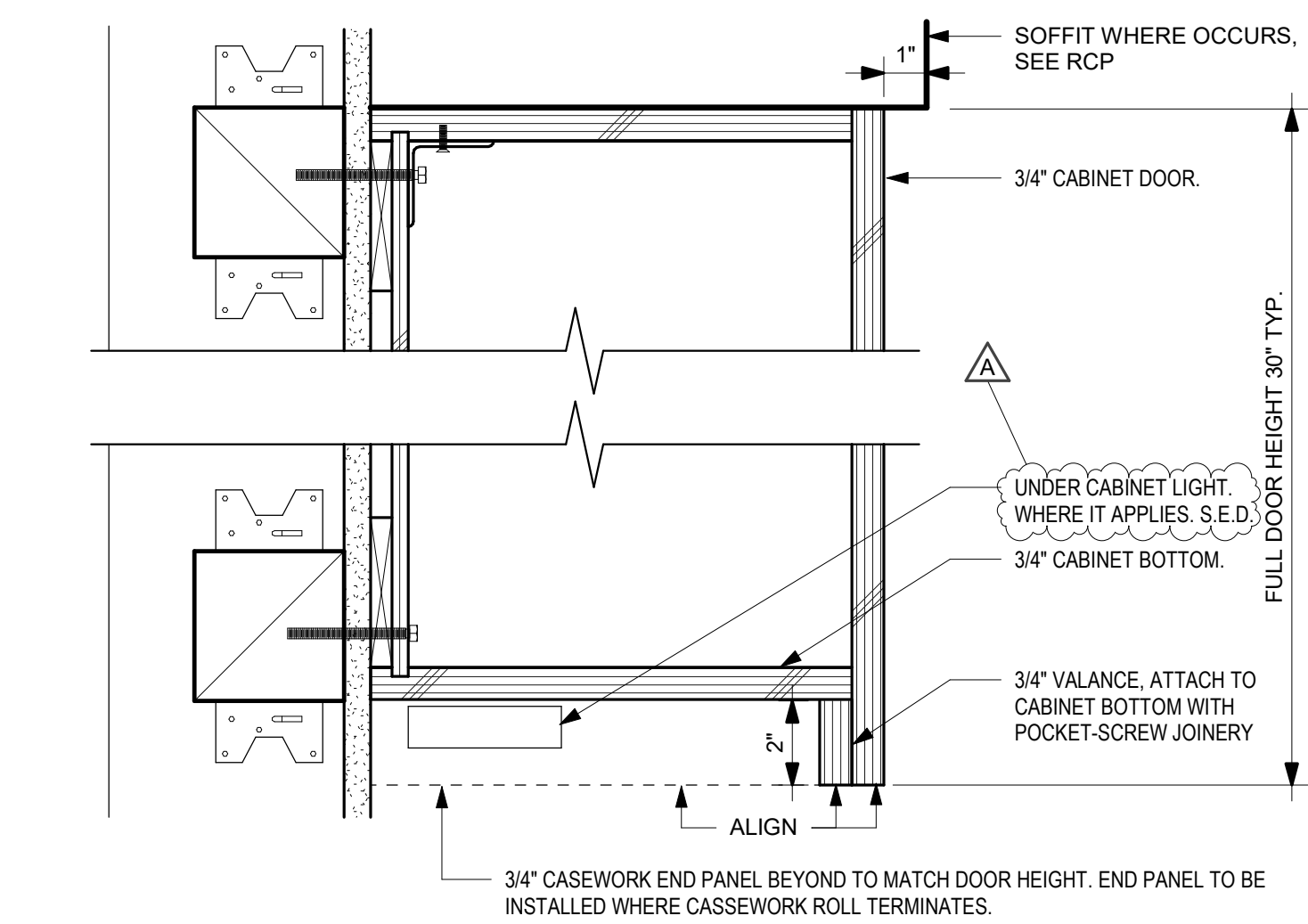
FINISH SCHEDULE,
LEGEND & DETAILS

DATE 07/12/2024

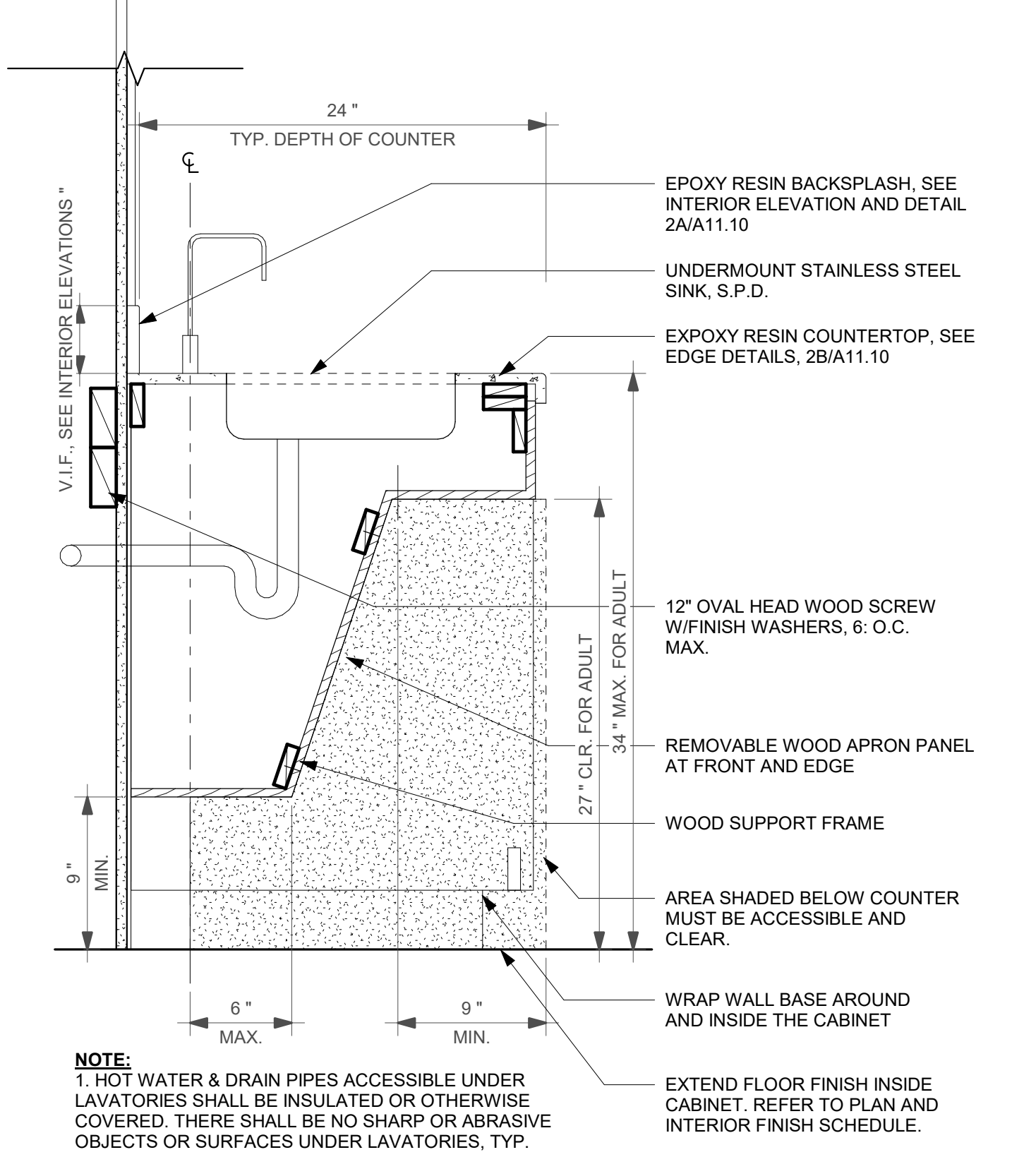
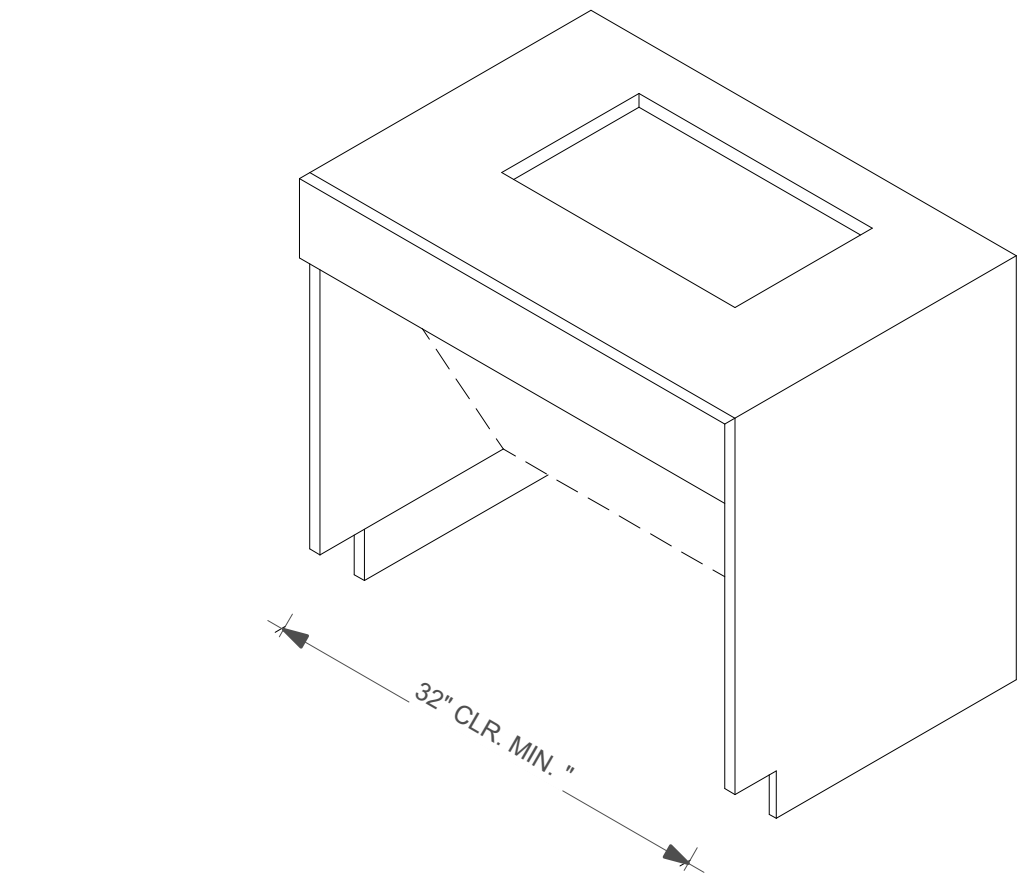
JOB # 2022047

SHEET #

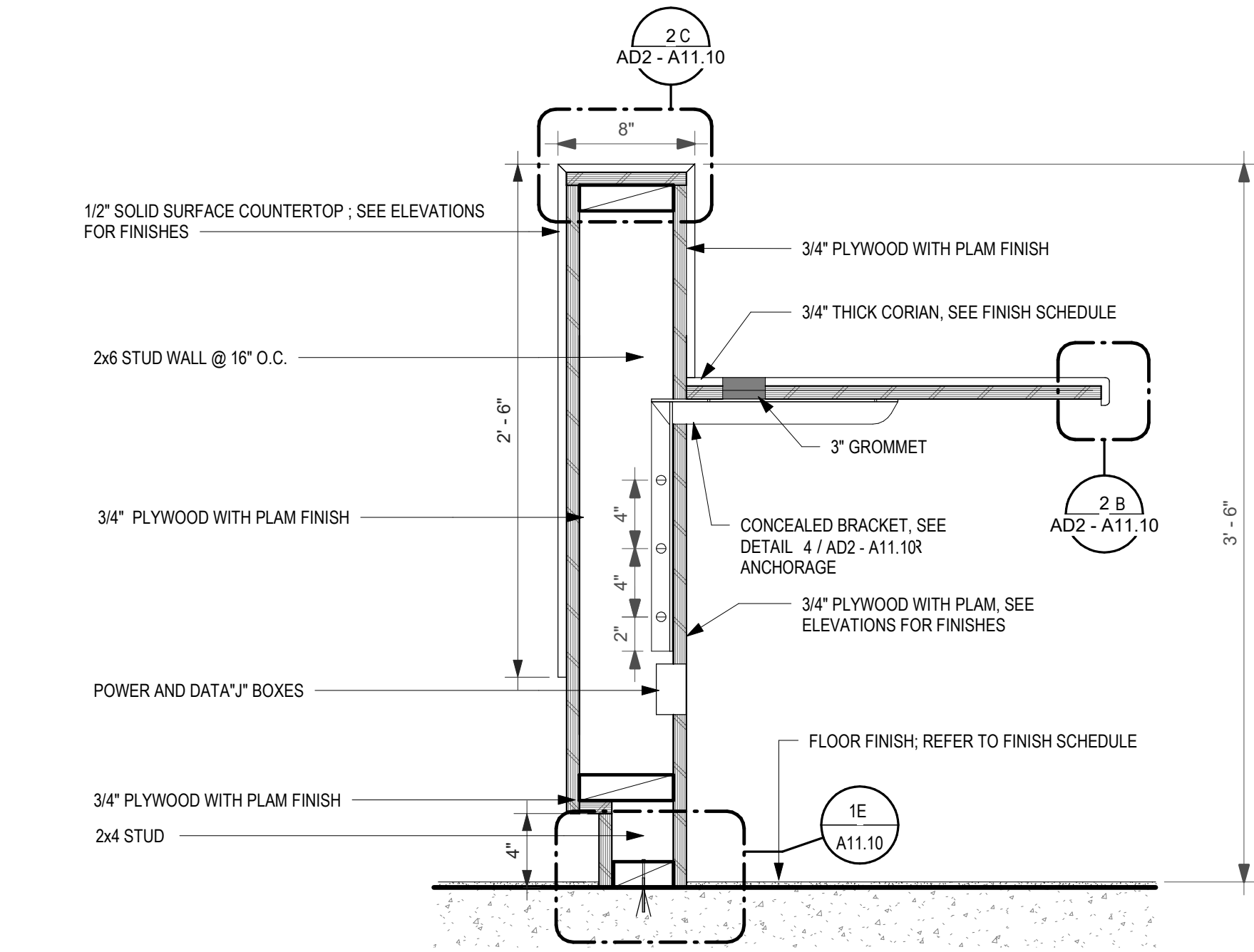
AD2 - A11.01



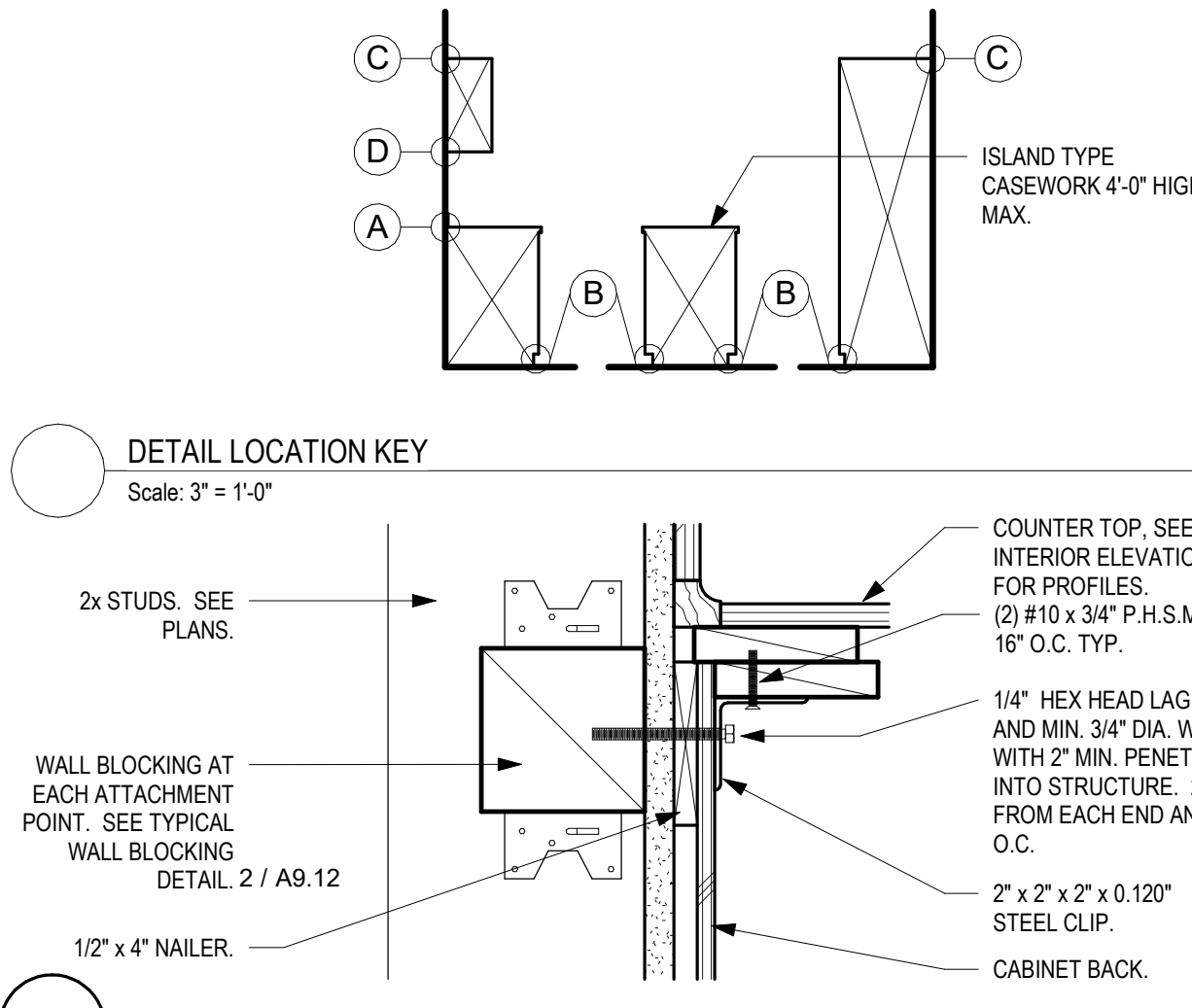
6 UPPER CABINET VALANCE DETAIL
SCALE: 3" = 1'-0"



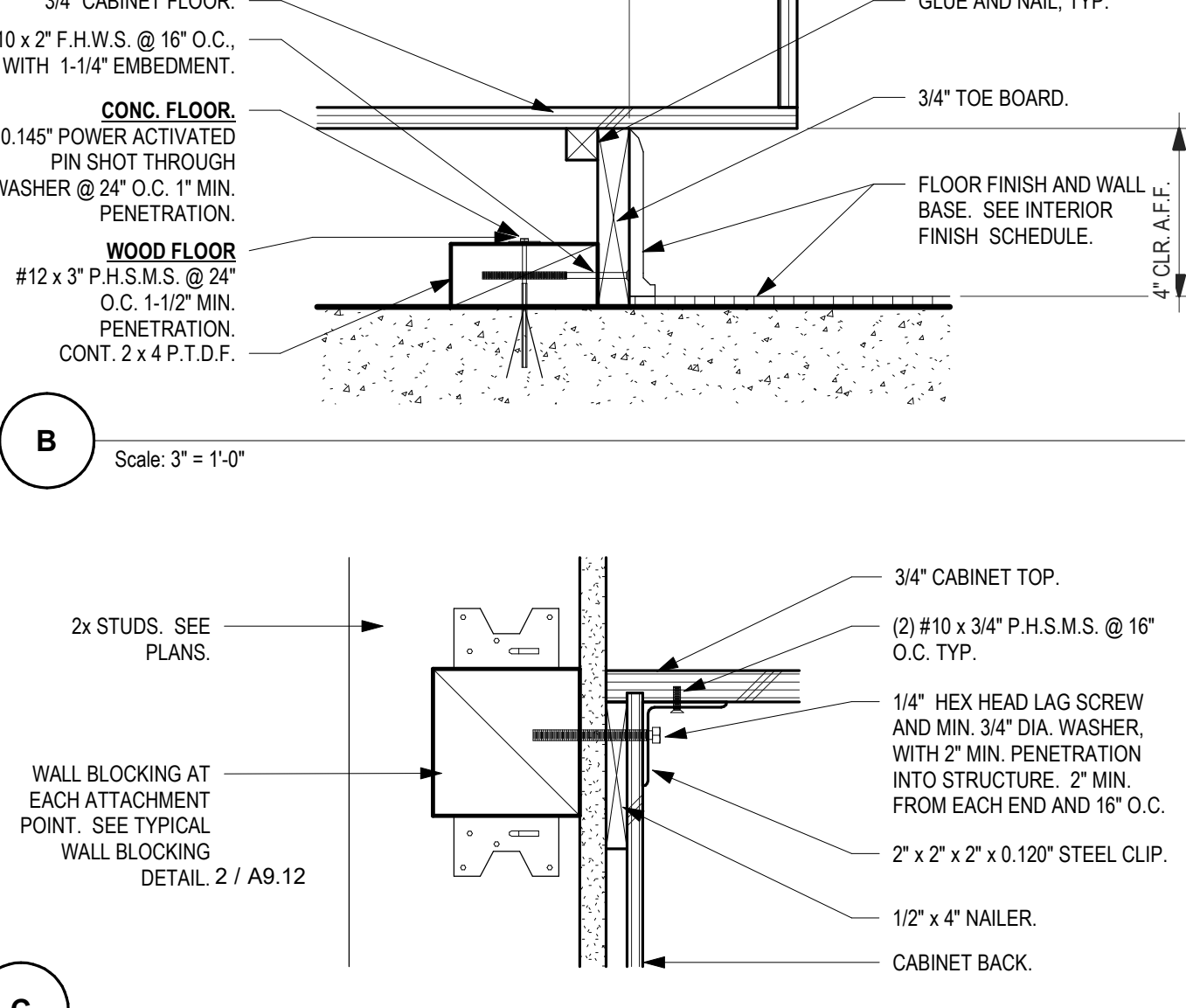
7 ACCESSIBLE SINK CABINET - NO DOORS
SCALE: 1 1/2" = 1'-0"



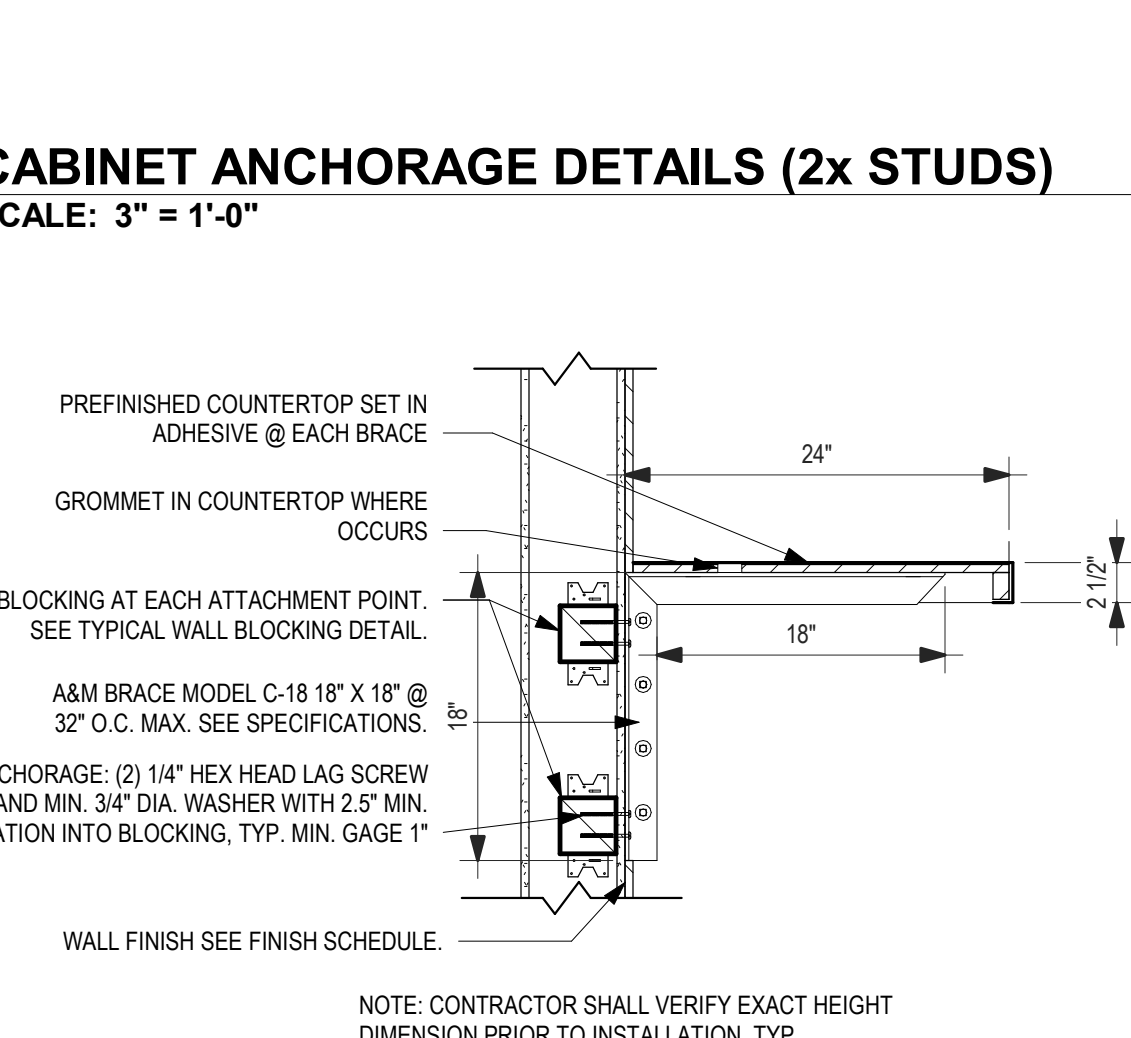
8 LOBBY RECEPTION DESK SECTION DETAIL
SCALE: 1 1/2" = 1'-0"



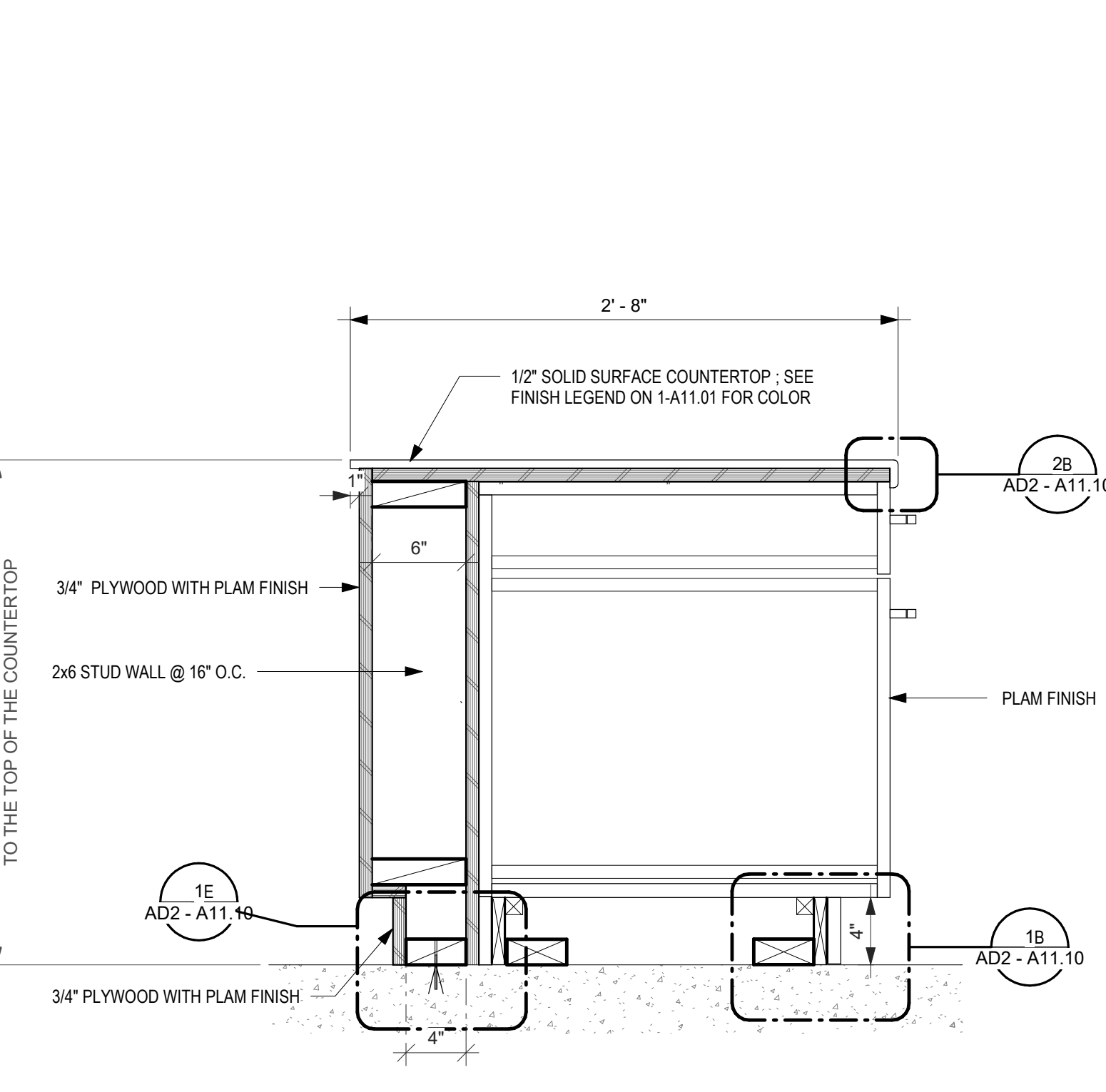
1 CABINET ANCHORAGE DETAILS (2x STUDS)
SCALE: 3" = 1'-0"



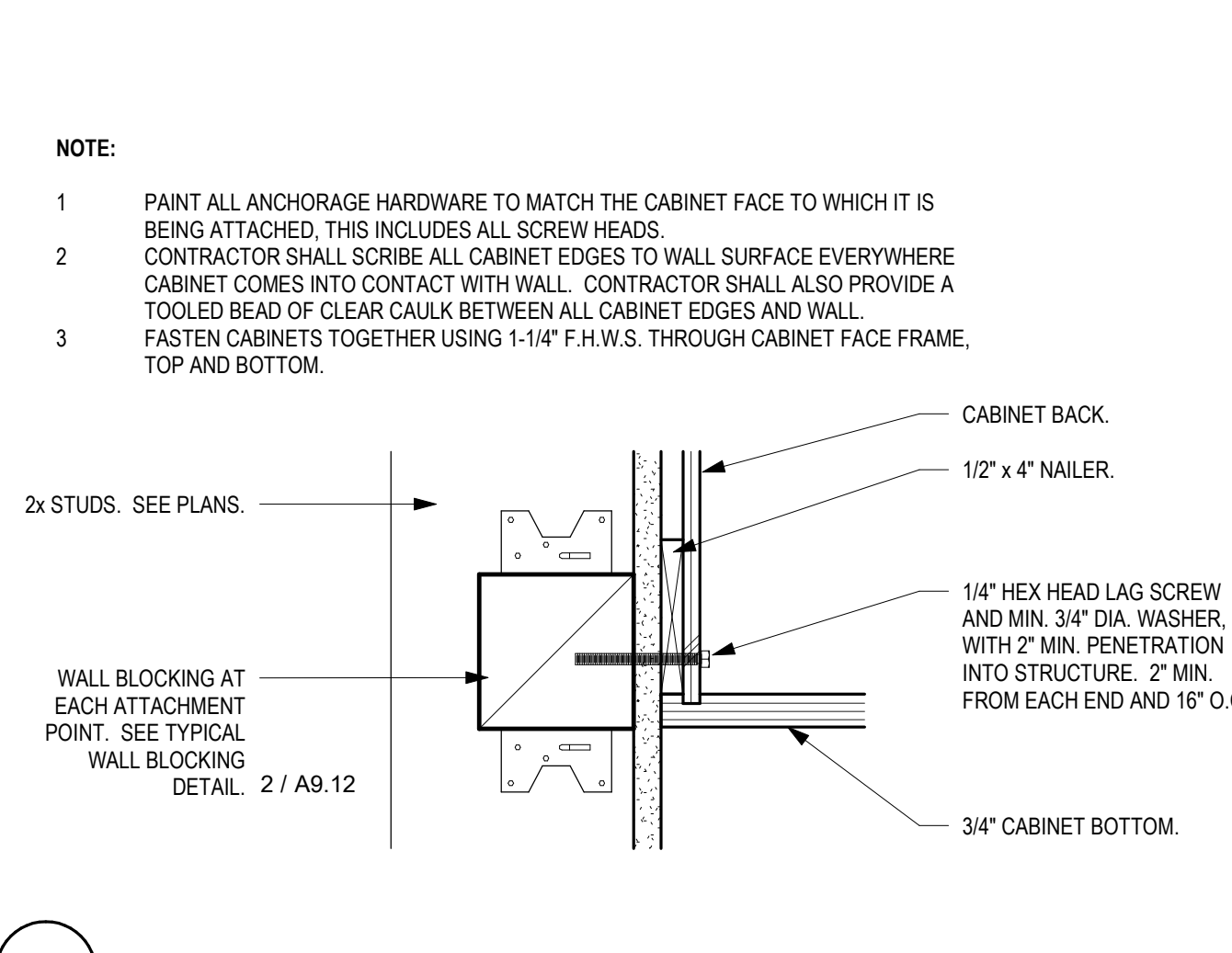
2 COUNTERTOP PROFILES
SCALE: 6" = 1'-0"



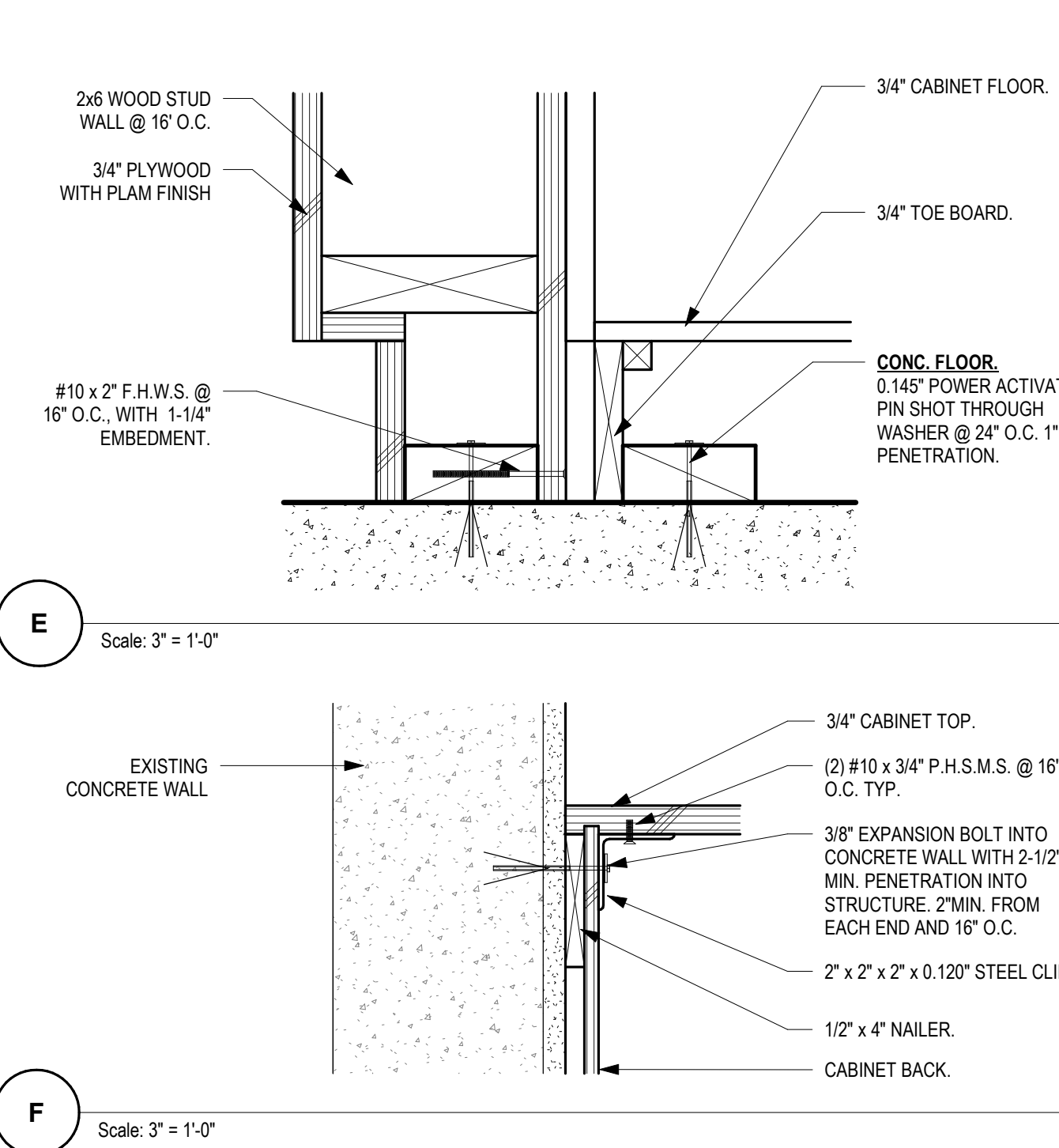
4 COUNTER SUPPORT BRACKET ANCHORAGE
SCALE: 1" = 1'-0"



5 LOBBY RECEPTION DESK LOWER COUNTER- SECTION
SCALE: 1 1/2" = 1'-0"



3 LOBBY RECEPTION DESK - FLOOR PLAN & ELEVATIONS
SCALE: 1/2" = 1'-0"

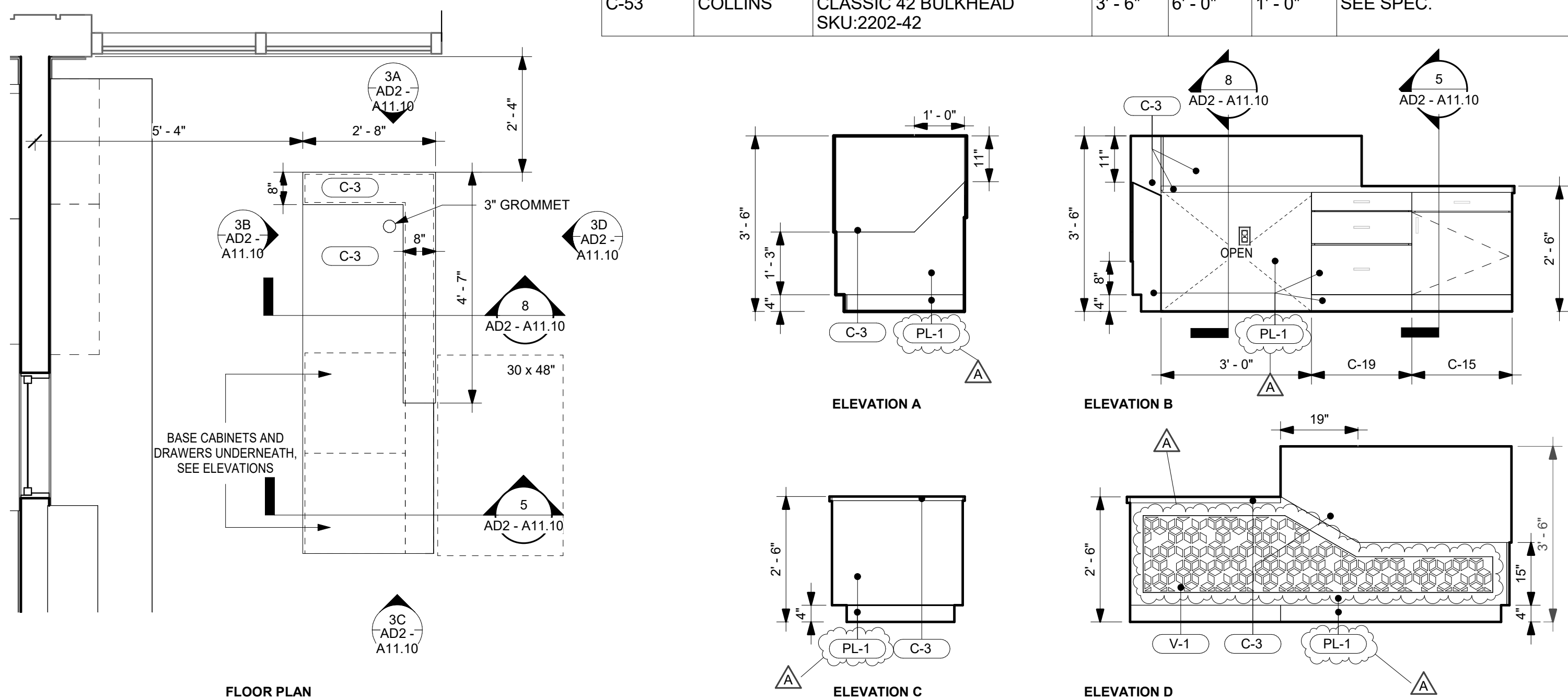


CASEWORK GENERAL NOTES

- REFER TO INTERIOR ELEVATIONS FOR QUANTITIES, LOCATIONS, AND COUNTER EDGE DETAILS.
- CONTRACTOR SHALL BE RESPONSIBLE FOR FIELD VERIFYING ALL DIMENSIONS PRIOR TO FABRICATION.
- REFER TO "CABINET ANCHORAGE DETAILS (2x STUDS)" FOR TYPICAL CABINET ANCHORAGE REQUIREMENTS.
- PROVIDE UNDER-CABINET LIGHTS UNDER UPPER CABINET U.O.N. REFER TO "UPPER CABINET VALANCE DETAILS" FOR TYPICAL UPPER CABINET VALANCE REQUIREMENTS.
- PROVIDE VALANCE TO CONCEAL UNDER CABINET LIGHTS FOR UPPER CABINETS. SEE DETAIL 6/A11.10.
- NO INTERNAL MULLION FOR ALL CASEWORKS U.O.N.
- 2/3 OF TALL CASEWORK IN ROOM 1633 TO BE LOCKABLE.
- REFER TO SPEC FOR CASEWORK LOCK SYSTEM.

CASEWORK SCHEDULE					
CABINET	WOODWORK INSTITUTE CASEWORK SERIES #	WIDTH	HEIGHT	DEPTH	COMMENTS
C-1	101	2'- 0"	2'-10"	2'- 0"	
C-1a	101	2'- 0"	2'-10"	2'- 0"	LOCKABLE
C-2	101	1'- 9"	2'-10"	1'- 6"	
C-3	101	2'- 0"	2'-10"	1'- 6"	
C-4	102	2'- 6"	2'-10"	2'- 0"	
C-5	102	3'- 0"	2'-10"	2'- 0"	
C-5a	102	3'- 0"	2'-10"	2'- 0"	LOCKABLE
C-6	102	2'- 6"	2'-10"	1'- 6"	
C-7	152M	3'- 0"	2'-10"	2'- 0"	LOCKABLE, PROVIDE DRAWER WITH INCREASED HEIGHT TO MATCH ADJACENT
C-8	155	3'- 0"	2'-10"	2'- 0"	
C-8a	155	3'- 0"	2'-10"	2'- 0"	LOCKABLE
C-9	162	3'- 0"	2'-10"	1'- 6"	NO BACK BOARD
C-10	176	4'- 0"	2'-10"	2'- 0"	
C-11	212M	2'- 6"	2'-10"	2'- 0"	LOCKABLE, PROVIDE DRAWER WITH INCREASED HEIGHT TO MATCH ADJACENT
C-12	197	2'- 8"	2'-10"	3'- 0"	
C-12a	197	2'- 8"	2'-10"	3'- 0"	MIRRORED FROM C-12
C-13	211	2'- 0"	2'-10"	1'- 6"	
C-14	211	2'- 0"	2'-10"	2'- 0"	
C-14a	211M	2'- 0"	2'-10"	2'- 0"	LOCKABLE, PROVIDE DRAWER WITH INCREASED HEIGHT TO MATCH ADJACENT
C-14b	211	1'- 10"	2'-10"	2'- 0"	
C-15	211	2'- 0"	2'- 5"	2'- 0"	LOCKABLE, EXCLUDE MIDDLE BOARD, PROVIDE ONE BOTTOM SLIDING TRAY
C-16a	212M	3'- 0"	2'-10"	2'- 0"	LOCKABLE, PROVIDE DRAWER WITH INCREASED HEIGHT TO MATCH ADJACENT
C-17	212	3'- 0"	2'-10"	1'- 6"	
C-18	212	2'- 6"	2'-10"	2'- 0"	
C-19	230	2'- 0"	2'- 6"	2'- 0"	LOCKABLE
C-20	254M	2'- 0"	2'-10"	2'- 0"	PROVIDE 4 EQUAL HEIGHT DRAWERS
C-21	260M	2'- 6"	2'-10"	2'- 0"	LOCKABLE, PROVIDE 4 EQUAL HEIGHT DRAWERS
C-26	301	2'- 0"	2'- 6"	1'- 0"	
C-26a	301	2'- 0"	2'- 6"	1'- 0"	LOCKABLE
C-26b	301	1'- 10"	2'- 6"	1'- 0"	
C-27	301	1'- 9"	2'- 6"	1'- 0"	
C-28	302	2'- 6"	2'- 6"	1'- 0"	
C-28a	302	2'- 6"	2'- 6"	1'- 0"	LOCKABLE
C-28b	302	2'- 4"	2'- 6"	1'- 0"	
C-30	302	3'- 0"	2'- 6"	1'- 0"	
C-30a	302	3'- 0"	2'- 6"	1'- 0"	LOCKABLE
C-32	302	3'- 0"	1'- 3"	1'- 0"	
C-32a	302	3'- 0"	1'- 3"	1'- 0"	LOCKABLE
C-33	309	3'- 0"	2'- 6"	1'- 0"	
C-34	317	4'- 0"	3'- 0"	0'- 4"	LOCKABLE
C-36	412	3'- 0"	7'- 0"	1'- 6"	LOCKABLE
C-37	459	4'- 0"	7'- 0"	1'- 6"	LOCKABLE
C-38a	301	1'- 4"	2'- 6"	1'- 0"	
C-39	402	3'- 0"	7'- 0"	2'- 0"	LOCKABLE
C-40	412	3'- 0"	7'- 0"	2'- 0"	LOCKABLE
C-40a	412M	3'- 0"	7'- 0"	2'- 0"	LOCKABLE, PROVIDE 3 EQUAL HEIGHT PULL-OUT TRAYS AT BOTTOM HALF
C-41	212M	3'- 0"	2'-10"	2'- 0"	PROVIDE DRAWER WITH INCREASED HEIGHT TO MATCH ADJACENT
C-43	260M	3'- 0"	2'-10"	2'- 0"	PROVIDE 4 EQUAL HEIGHT DRAWERS
C-44	211M	1'- 9"	2'-10"	2'- 0"	PROVIDE DRAWER WITH INCREASED HEIGHT TO MATCH ADJACENT
C-45	534M	3'- 0"	7'- 0"	2'- 0"	LOCKABLE, PROVIDE FULL HEIGHT DOORS, REPLACE DRAWERS WITH 3 EQUAL HEIGHT SHELVES
C-46	300M	1'- 0"	1'- 0"	1'- 0"	ELIMINATE MIDDLE SHELF
C-47	300M	2'- 0"	1'- 0"	1'- 0"	ELIMINATE MIDDLE SHELF

		SPECIALTY CASEWORK SCHEDULE				COMMENTS
CABINET	MFR./BRAND	MODEL/BASED OF DESIGN	WIDTH	HEIGHT	DEPTH	
C-50	COLLINS	EDU WIG DRYER SKU: 2230-30	2'-9"	6'-0"	1'-2"	SEE SPEC.
C-51	COLLINS	CAMEO ADD-ON SHAMPOO PEDESTAL SKU: 3337-16	1'-4"	1'-11"	1'-6"	SEE SPEC.
C-52	COLLINS	PORTABLE SS CART SKU:2104-18	1'-6"	2'-10"	2'-10"	SEE 11/A9.11
C-53	COLLINS	CLASSIC 42 BULKHEAD SKU:2202-42	3'-6"	6'-0"	1'-0"	SEE SPEC.



3 LOBBY RECEPTION DESK - FLOOR PLAN & ELEVATIONS
SCALE: 1/2" = 1'-0"

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PROJECT

Solano CCD BLDG 1600 MODERNIZATION

SOLANO COMMUNITY COLLEGE

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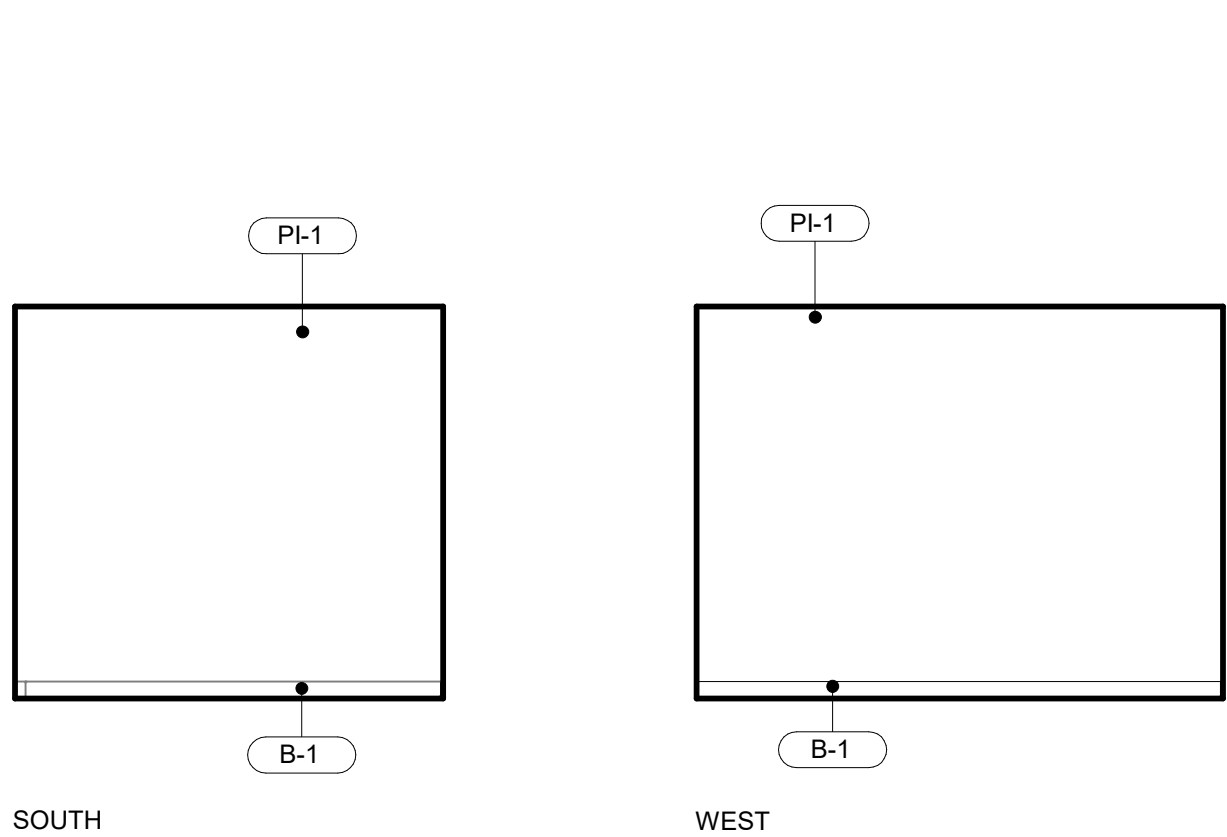
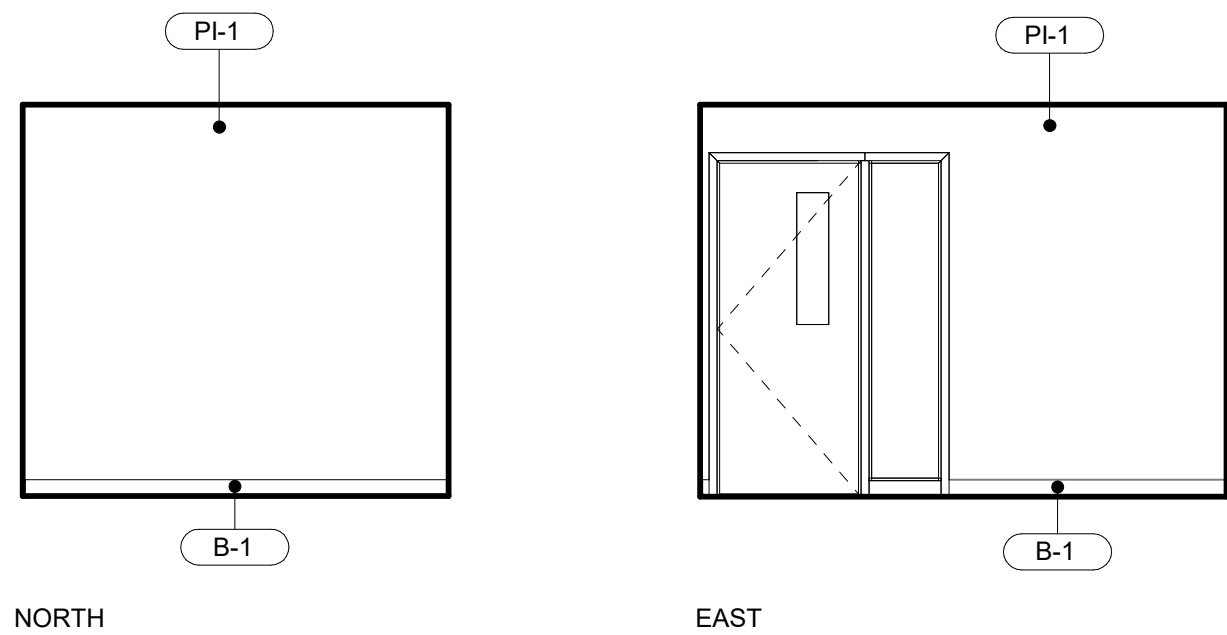
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CASEWORK SCHEDULE & DETAILS

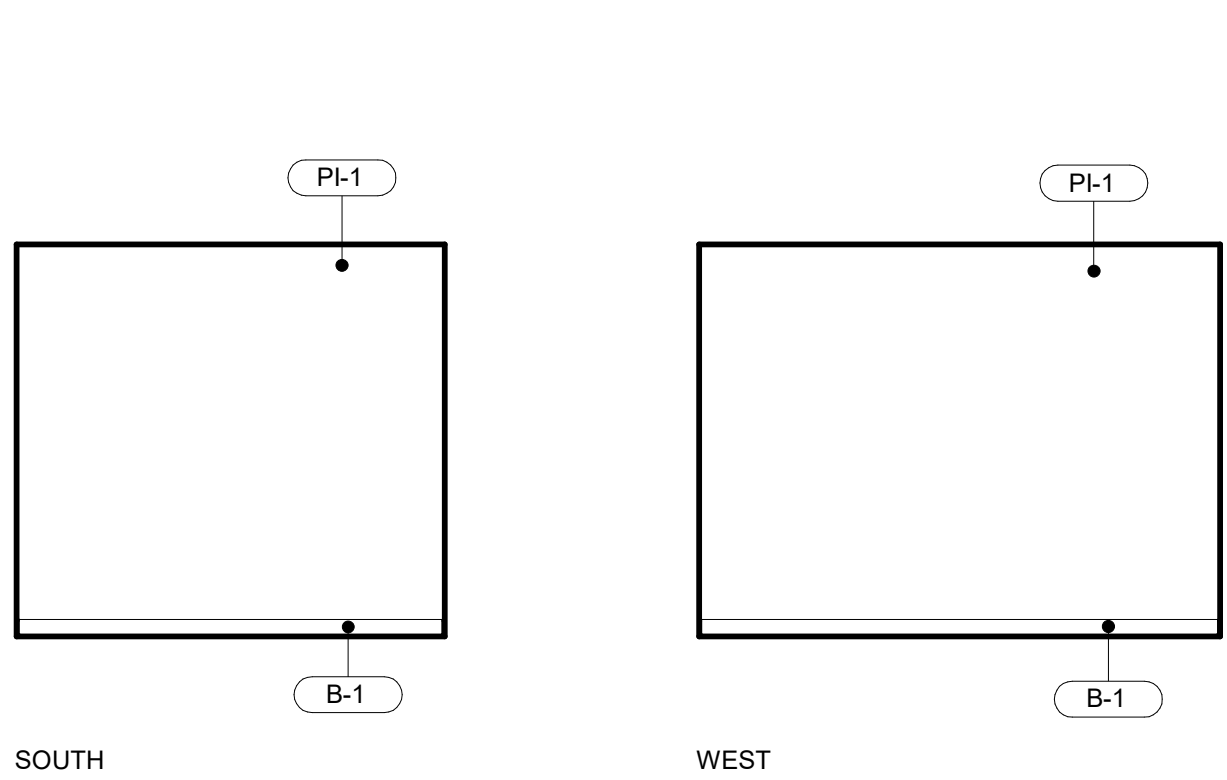
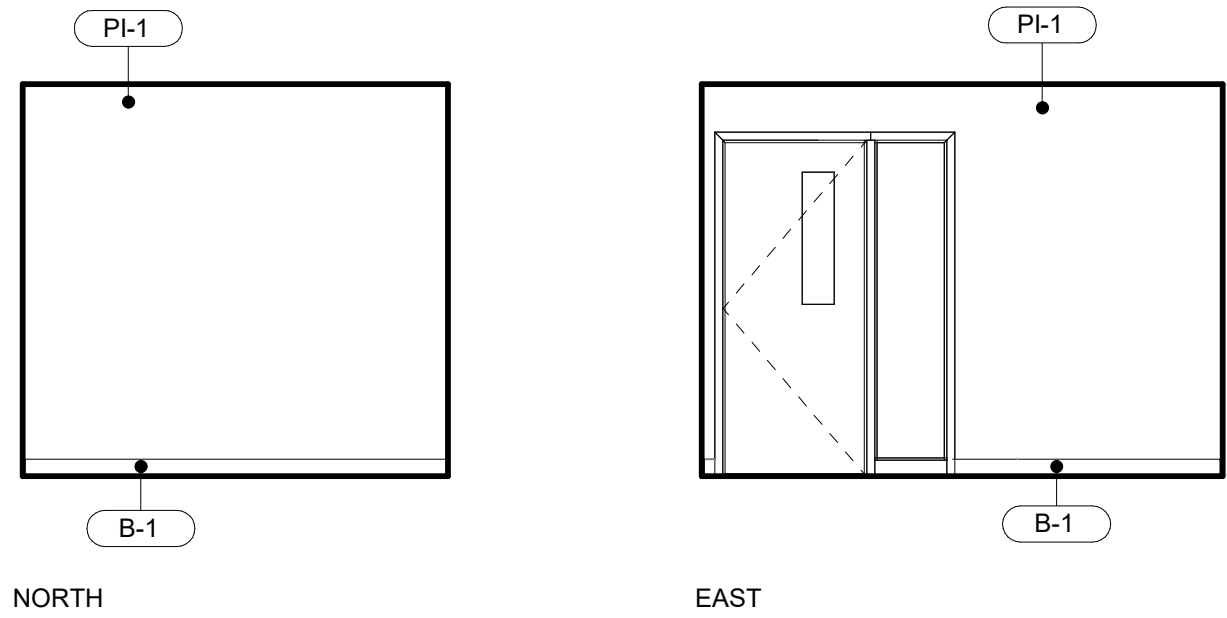
DATE 07/12/2024

JOB # 2022047

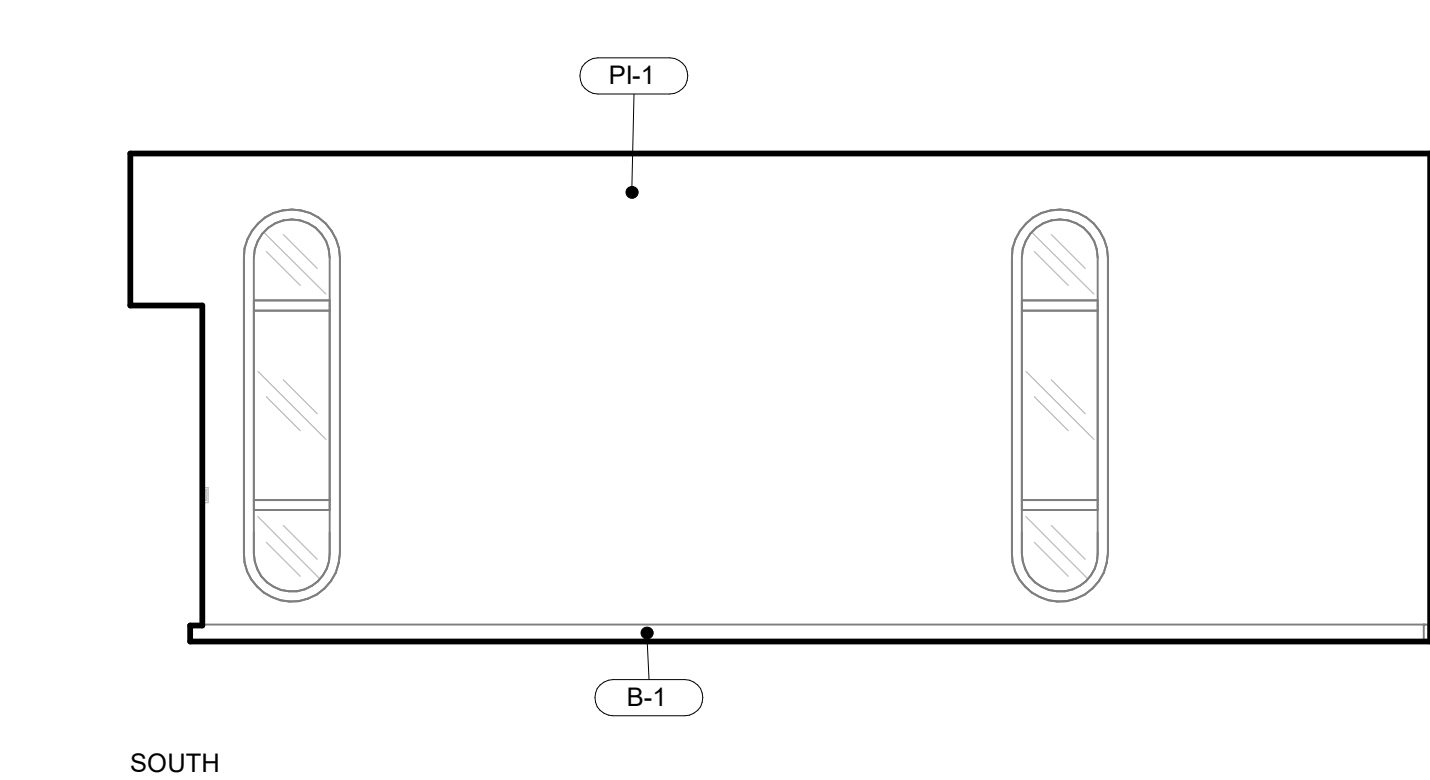
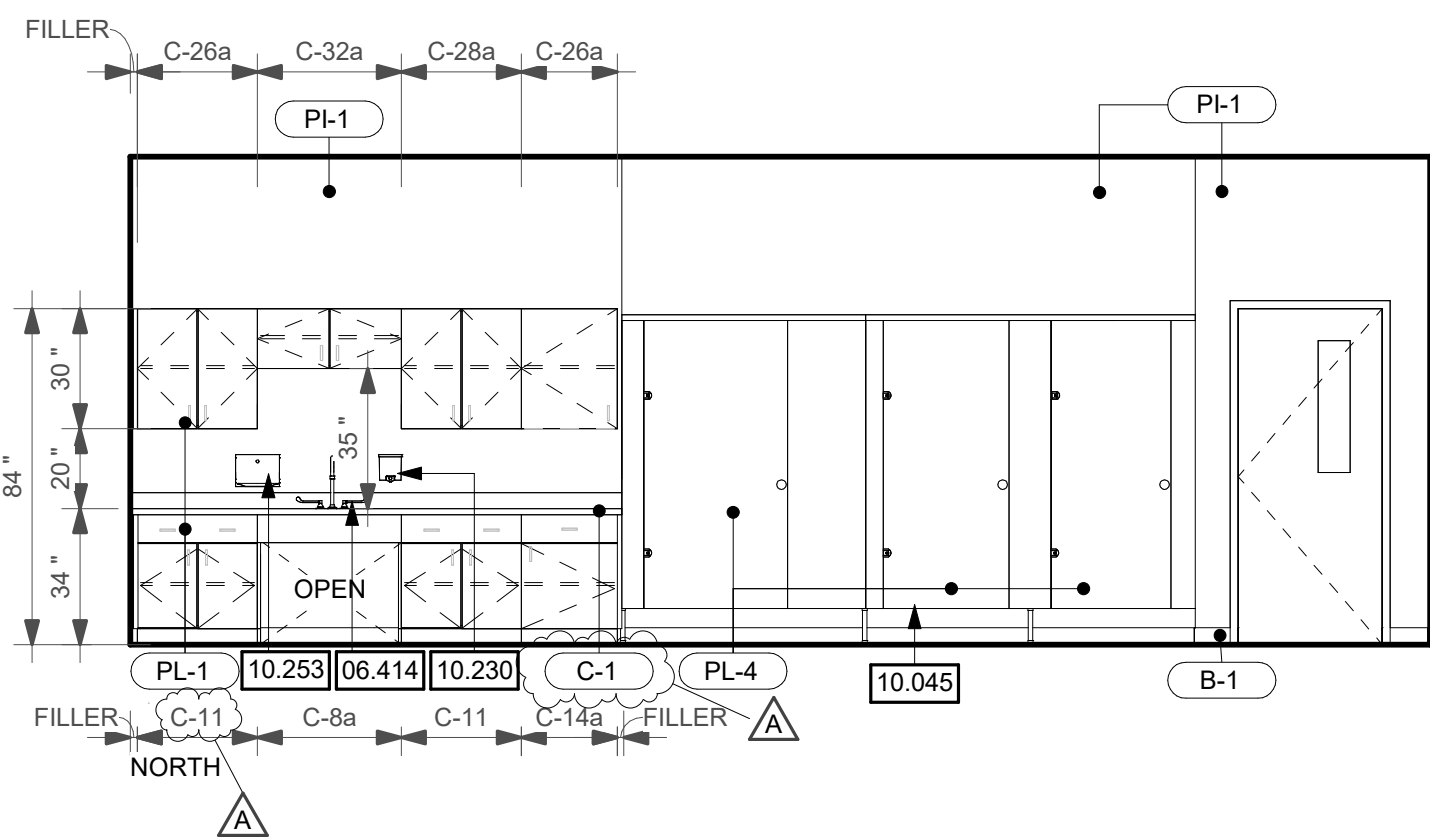
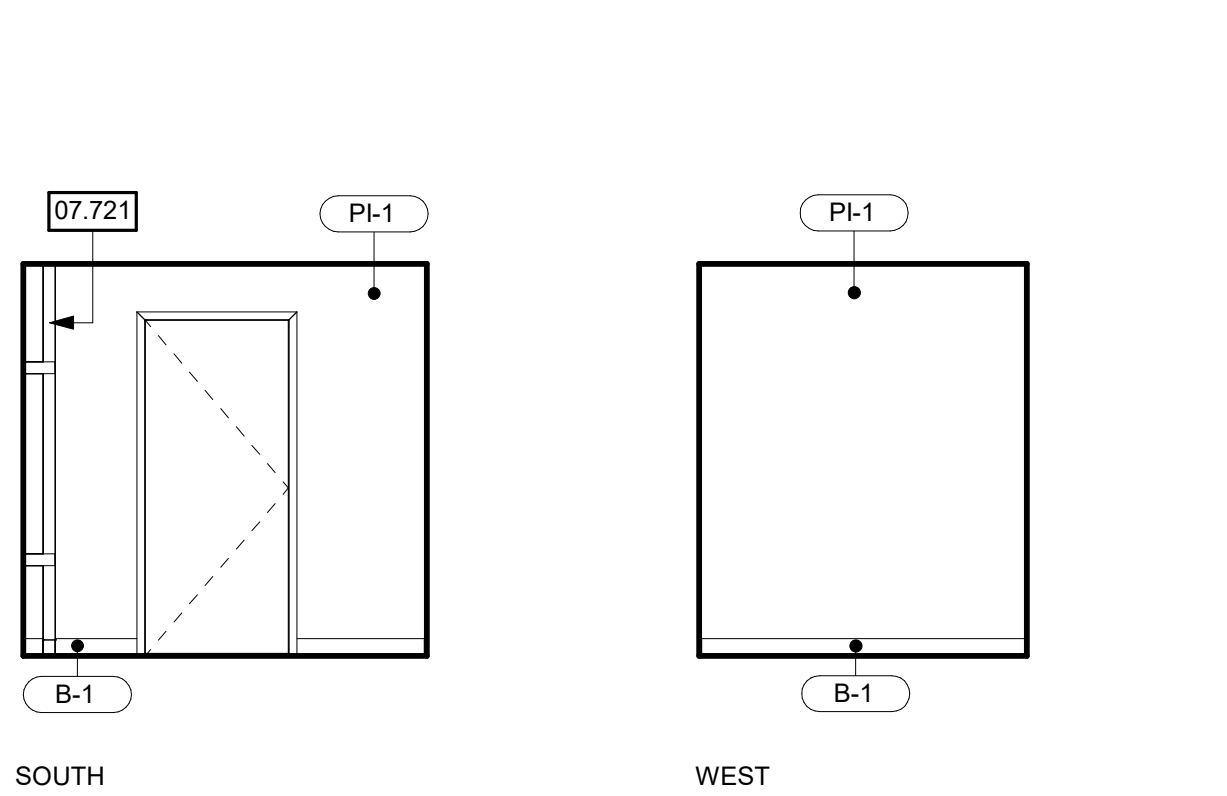
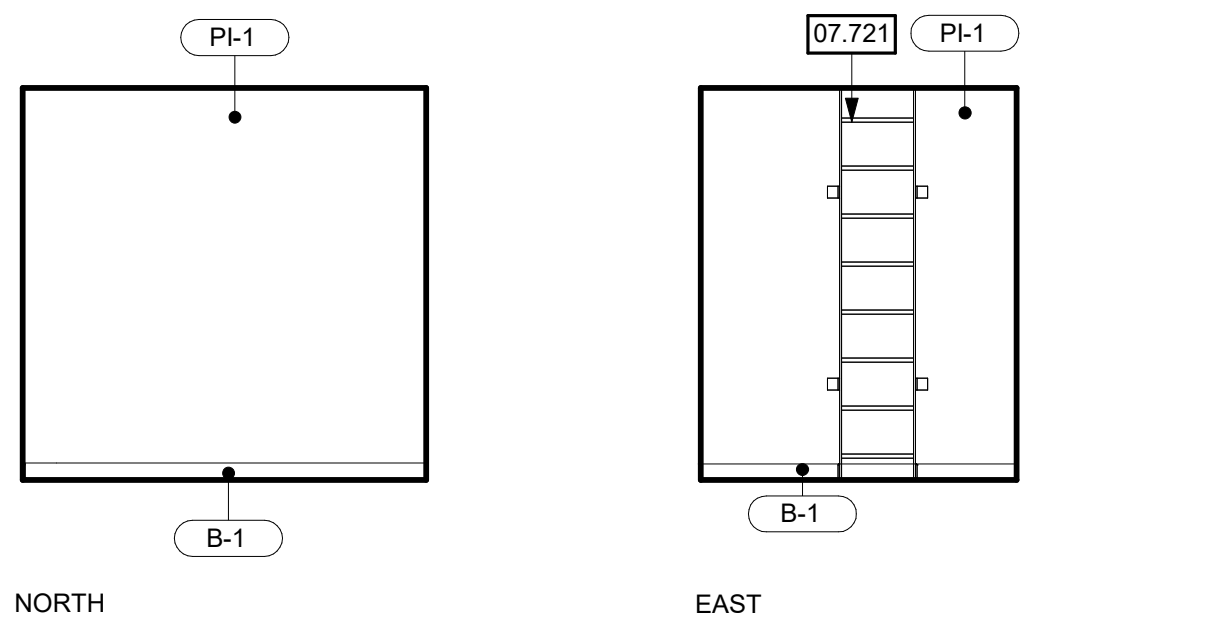
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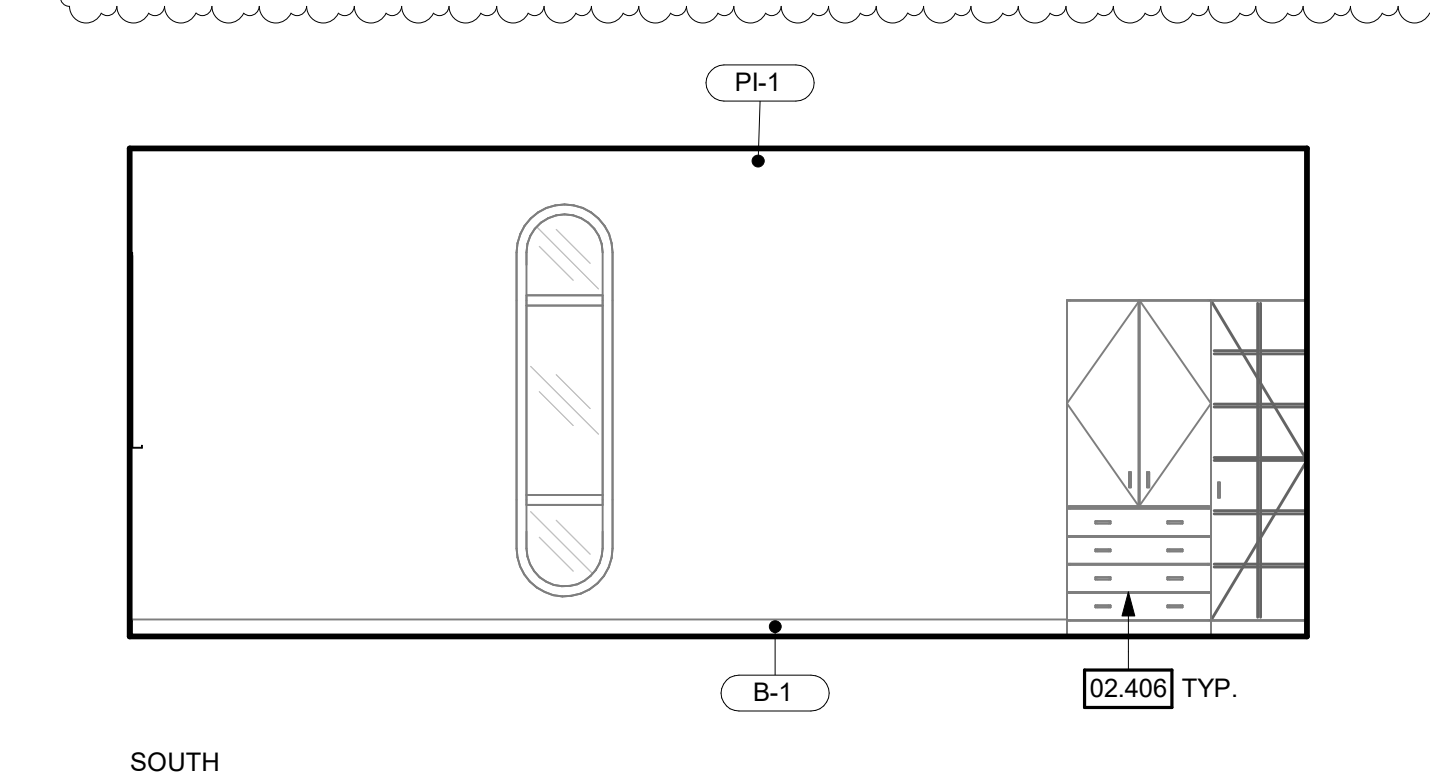
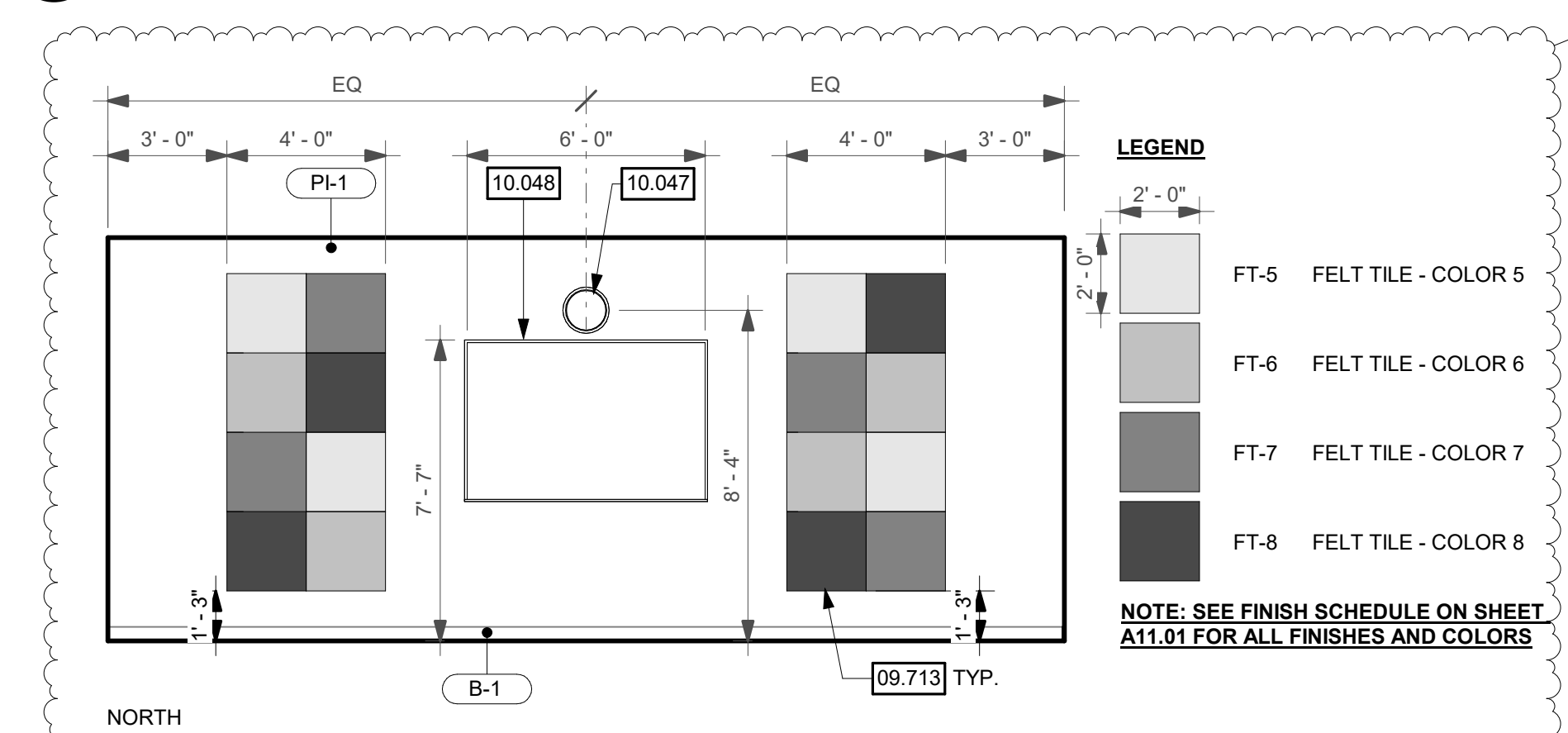
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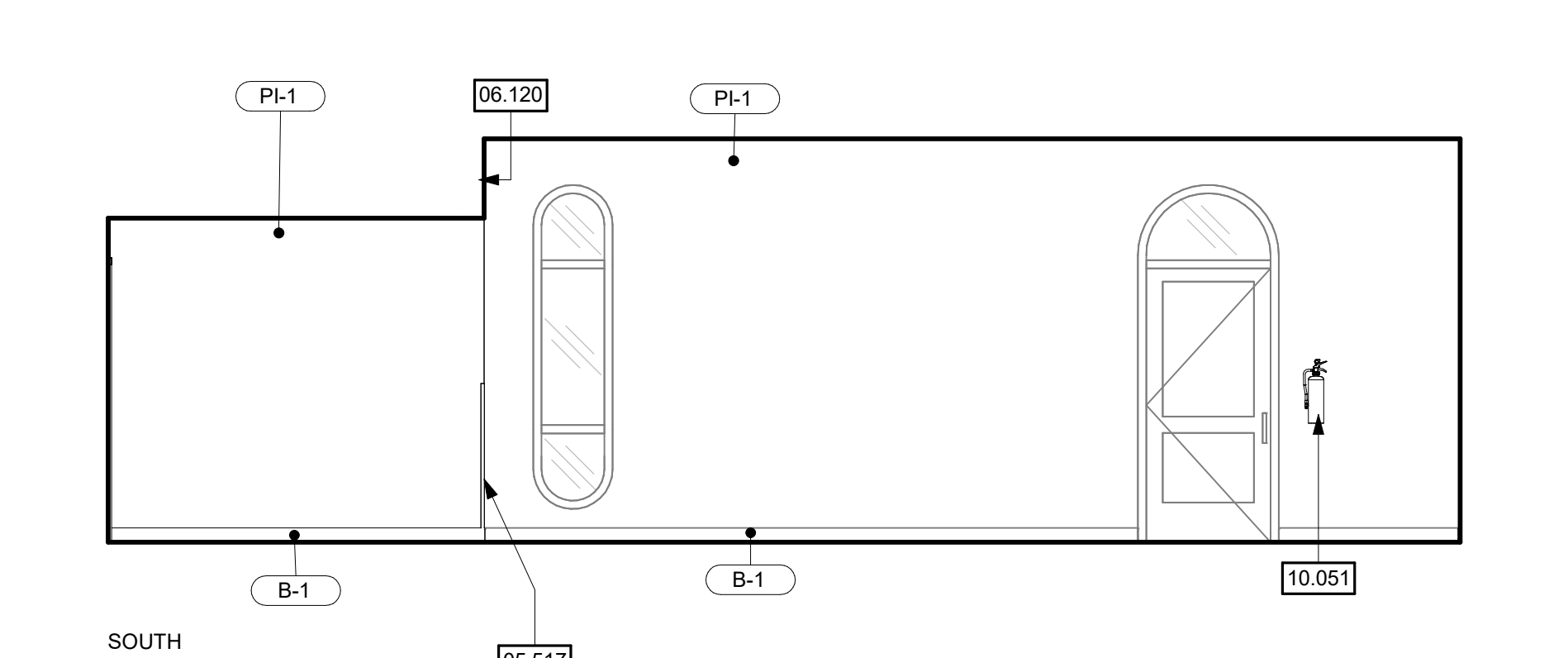
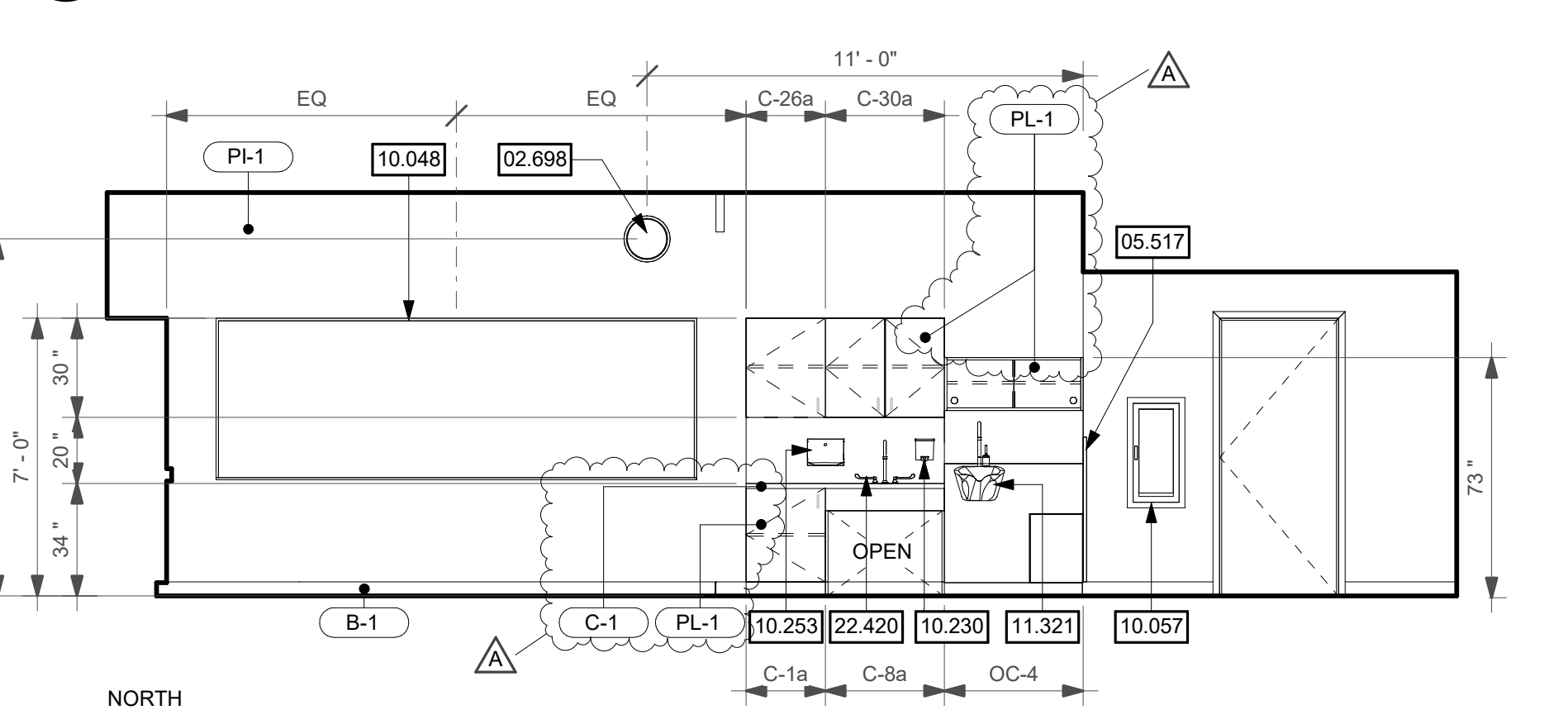
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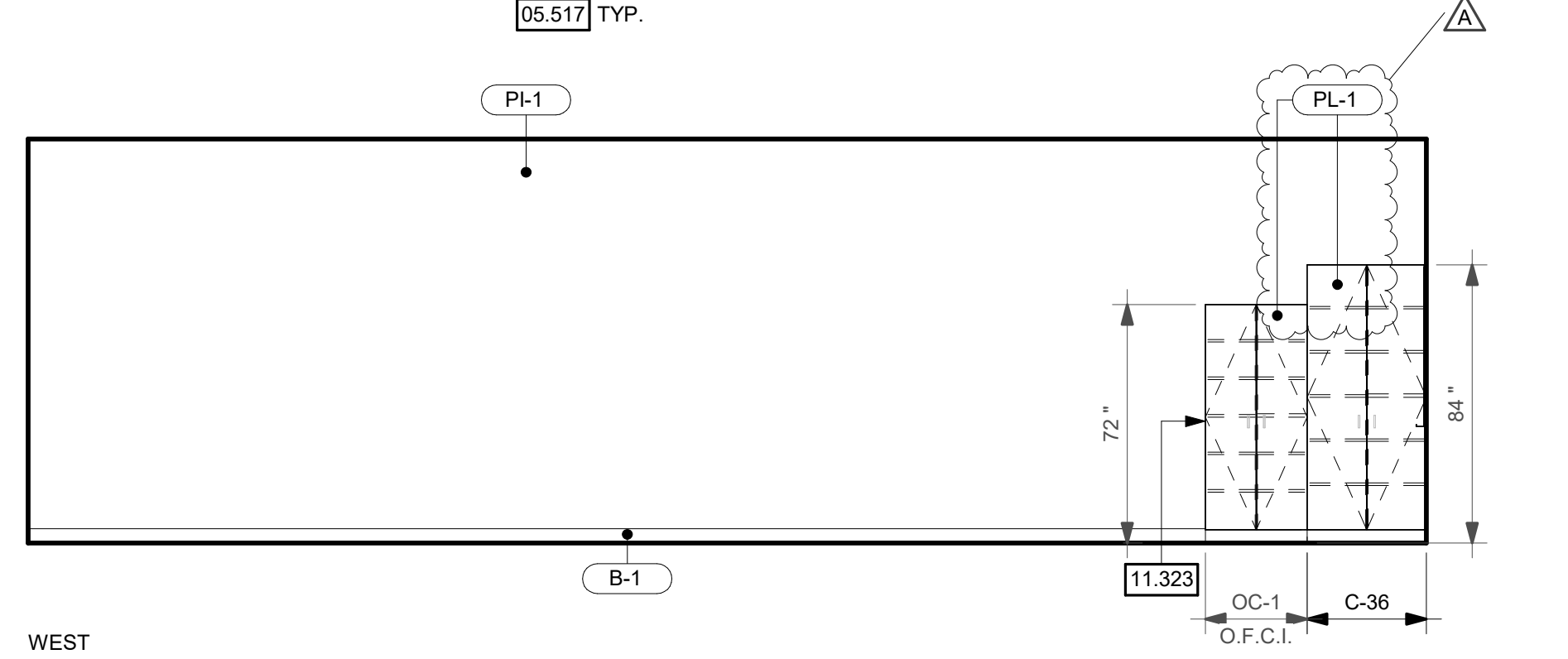
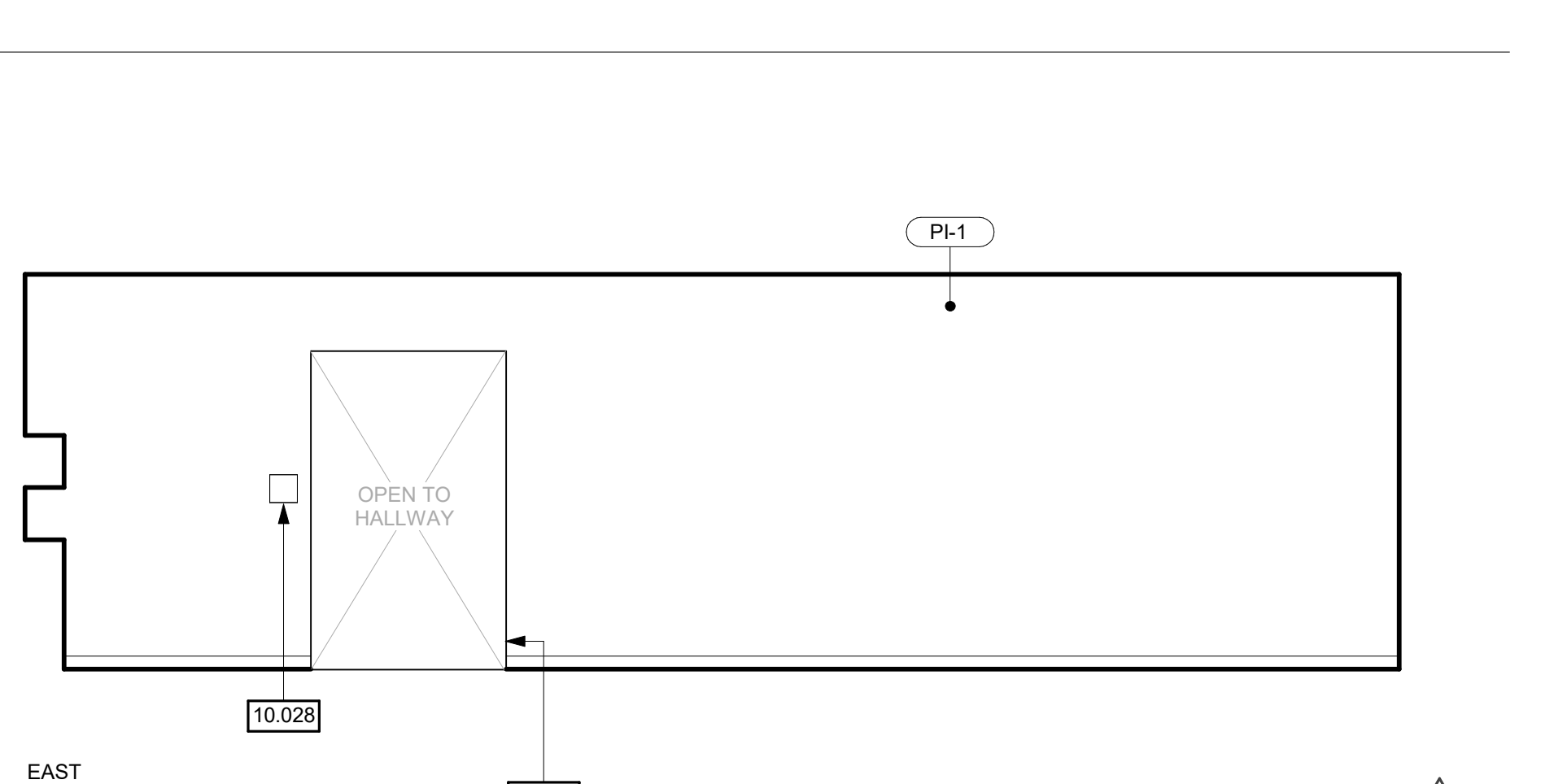
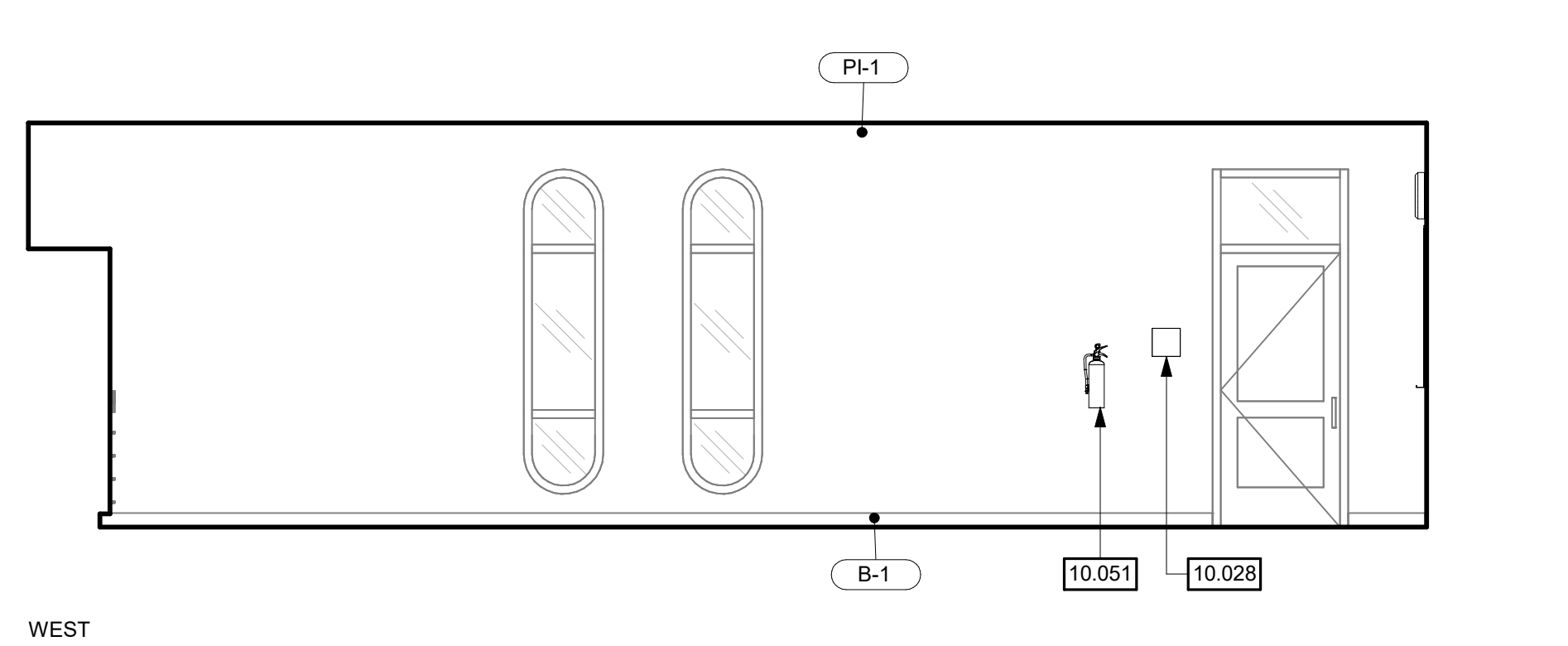
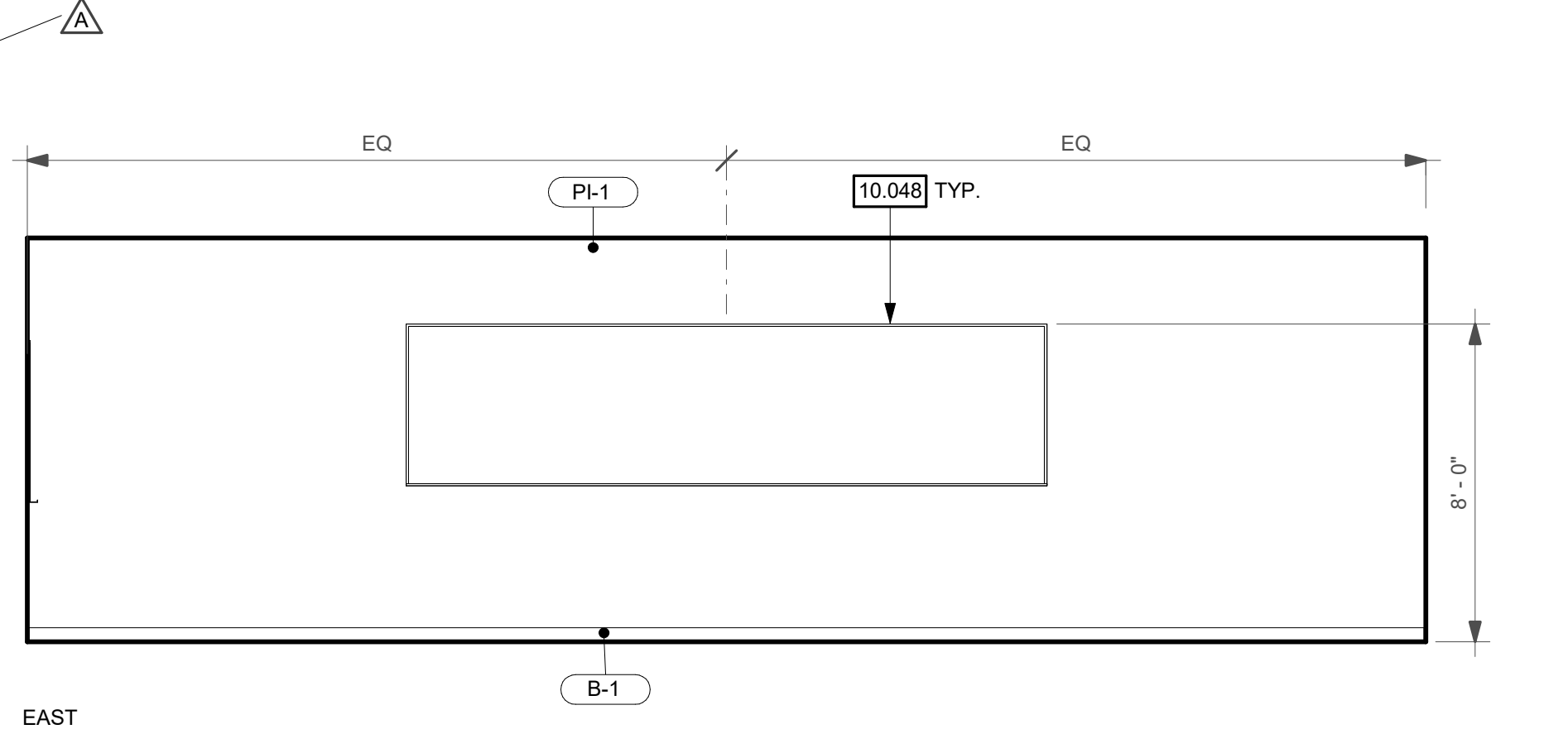
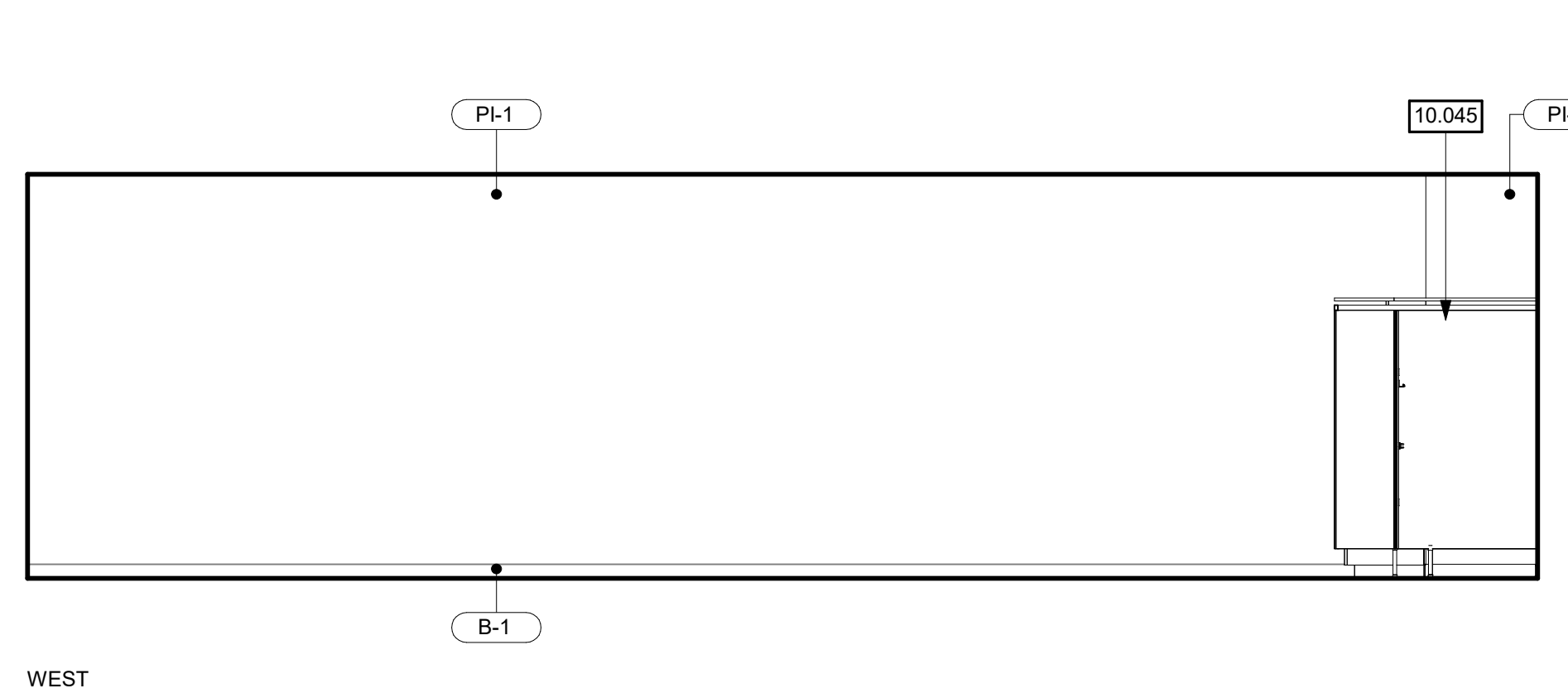
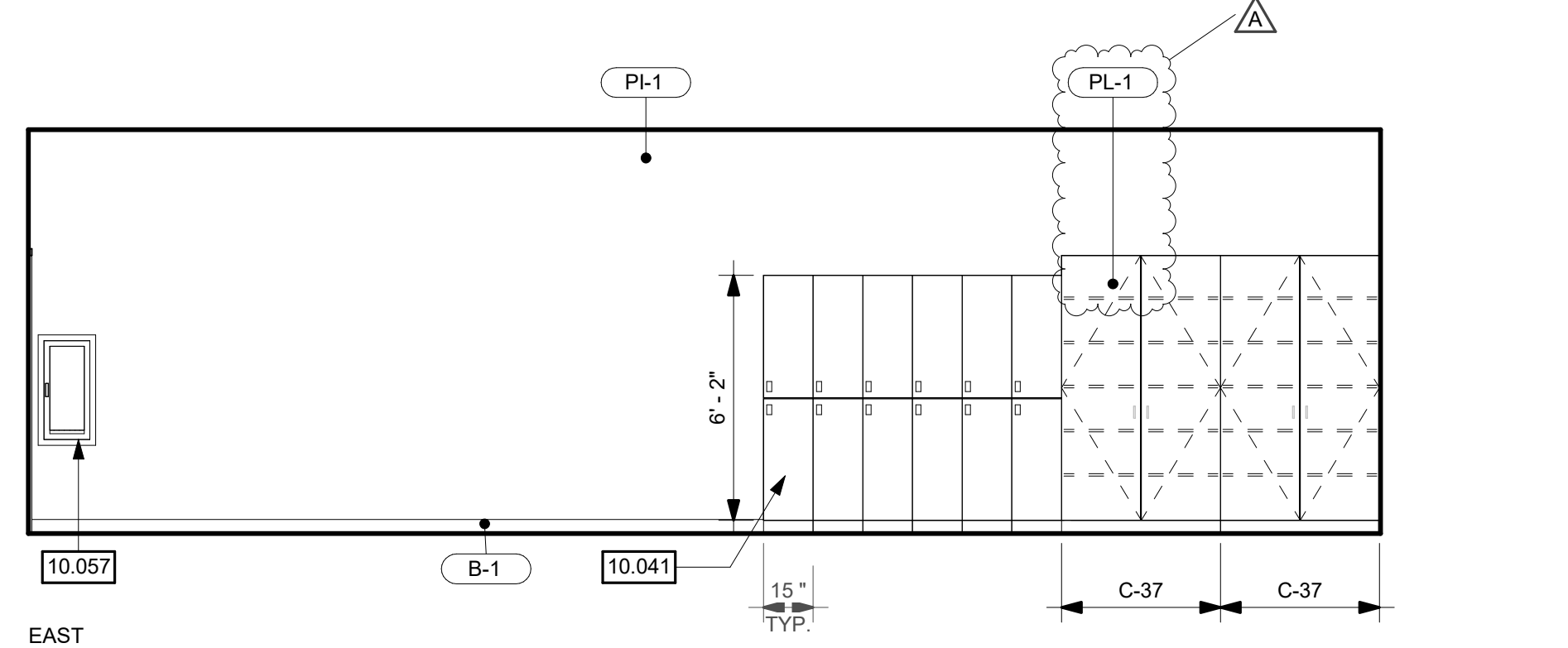
1 1611 - ESTHETICS
SCALE: 1/4" = 1'-0"



2 1625 - CLASSROOM
SCALE: 1/4" = 1'-0"



3 1626 - CLASSROOM
SCALE: 1/4" = 1'-0"



GENERAL SHEET NOTES

- A FOR INTERIOR FINISHES NOT SHOWN ON ELEVATIONS REFER TO INTERIOR FINISH SCHEDULE.
- B CABINET ELEVATIONS AS SHOWN IN THE INTERIOR ELEVATIONS ARE FOR REFERENCE ONLY. ACTUAL CABINET DESIGN CRITERIA AND SIZES ARE DESIGNATED IN THE CASEWORK SCHEDULE WHERE INDIVIDUAL CASEWORK DESIGN REQUIREMENTS DO NOT FIT WITHIN THE CDS NUMBERING SYSTEM CABINETS ARE DETAILED SEPARATELY AS REFERENCED IN THE CASEWORK SCHEDULE.
- C SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHT OF ACCESSORIES.
- D ALL EXPOSED CONDUITS AND PIPES SHALL BE PAINTED U.O.N.
- E ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- F REFER TO SHEET A11.10 FOR CABINET ANCHORAGE DETAILS.
- G REPLACE DOOR HARDWARE, SEE DOOR SCHEDULE TYP
- H SOFFIT ABOVE UPPER CABINETS TO EXTEND 1" BEYOND CABINET EDGE, TYP.
E UPPER CABINETS TO EXTEND 1" BEYOND CABINET EDGE, TYP.

ELEVATIONS KEYNOTES

- 02.406 (E) CASEWORK TO REMAIN, PROTECT DURING CONSTRUCTION
02.698 REMOVE AND SALVAGE (E) WALL CLOCK. REINSTALL PER NEW ELEVATIONS
05.517 STEEL ANGLE CORNER GUARD, SEE DETAIL 15 / A9.01
06.120 SOFFIT
06.414 ACCESSIBLE SINK CABINET, S.P.D., SEE CASEWORK SCHEDULE AND DETAIL 7 / A12 - A11.10
07.721 PROVIDE NEW STEEL LADDER UP SAFETY POST, INSTALL PER DETAIL 1 / A8.11
09.713 SELF ADHESIVE FELT TILES. BASES OF DESIGN FELT TRIGHT OR APPROVED EQUAL. PATTERN, COLOR AND SIZE PER LEGEND.
10.026 ASSISTIVE LISTENING DEVICE SIGNAGE PER SHEET A11.02
10.041 LOCKERS ON WOOD CURB, SEE ANCHORAGE DETAIL 5 / A9.12
10.045 CHANGING ROOM PARTITIONS, BASES OF DESIGN PRIVADA CUBICLES OR APPROVED EQUAL. SEE ELEVATIONS, FINISH SCHEDULE AND DETAIL 14 / A8.12
10.047 REINSTALL (E) WALL CLOCK PER ELEVATIONS
10.048 REINSTALL (E) MARKERBOARD PER ELEVATIONS, SEE MOUNTING DETAIL 12 / A9.12
10.051 REINSTALL (E) BRACKET MOUNT FIRE EXTINGUISHER PER ELEVATIONS
10.057 NON-RATED SEMI-RECESSED F.C.I. SEE DETAIL 1 / A9.10
10.230 STAINLESS STEEL SOAP DISPENSER, BOBRICK CONTURA SERIES B-4112 OR APPROVED EQUAL. FOR MOUNTING HEIGHTS SEE DETAIL 1 / A9.10
10.253 BOBRICK SURFACE - MOUNTED PAPER TOWEL DISPENSER B-2621 OR APPROVED EQUAL. FOR MOUNTING HEIGHT SEE DETAIL 1 / A9.10
11.321 TILT-UP ACCESSIBLE SINKS MOUNTED ON CASEWORK PODIUM, S.P.D. AND CASEWORK SCHEDULE
11.323 MANNEQUIN DRYER/CABINET, O.F.C.I. SEE ANCHORAGE DETAIL 1F ON SHEET A11.10
22.420 D.A. SINK AND FAUCET, S.P.D.

FINISH LEGEND

- B-1 4" RUBBER BASE
C-1 DURCON SOLID SURFACE
C-2 COMPOSITE ENGINEER STONE
C-3 CORIAN HARD SURFACE
C-4 WOOD SURFACE
Pl-1 INTERIOR PAINT FIELD COLOR WHITE
Pl-2 INTERIOR PAINT ACCENT 1
Pl-3 INTERIOR PAINT ACCENT 2
Pl-4 INTERIOR PAINT ACCENT BLACK
PL-1 PLASTIC LAMINATE 1
PL-2 PLASTIC LAMINATE 2
PL-3 PLASTIC LAMINATE 3
SCL-1 SCHLUTER TOP TRIM
SCL-2 SCHLUTER COVE
TWP TACKABLE WALL PANEL
WC-1 WALLCOVERING
T-3 6x6 CERAMIC WALL TILE, ACCENT WHITE
FRL FIBER REINFORCED LAMINATE
Pl-5 INTERIOR PAINT ACCENT 3

NOTE: SEE FINISH SCHEDULE ON SHEET A11.01 FOR ALL FINISHES AND COLORS

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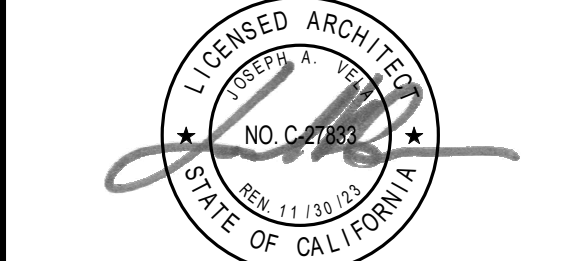
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DSA SUB	05.17.2024

SHEET

INTERIOR
ELEVATIONS

DATE 07/12/2024

JOB # 2022047

SHEET #

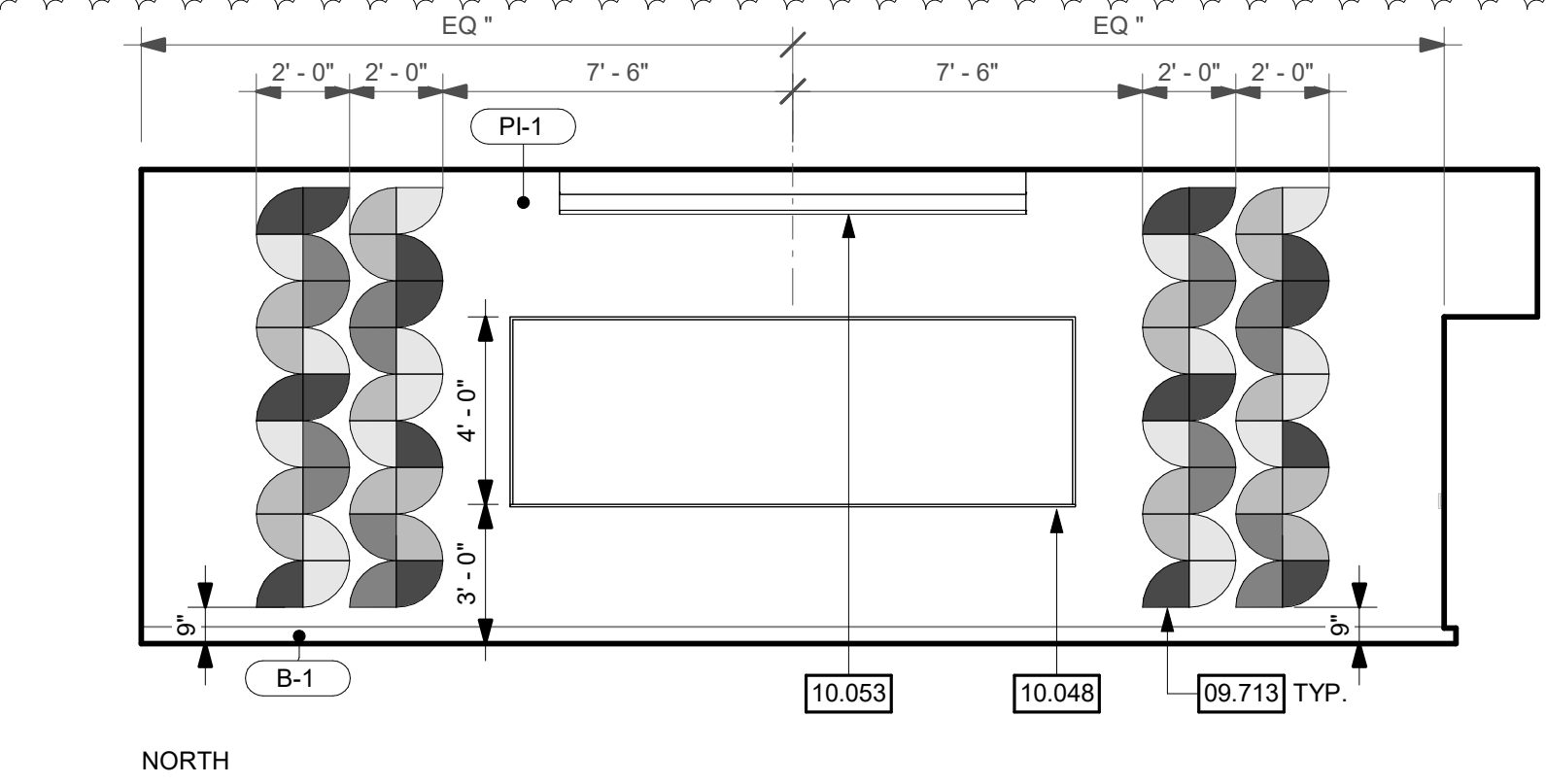
AD2 - A12.03



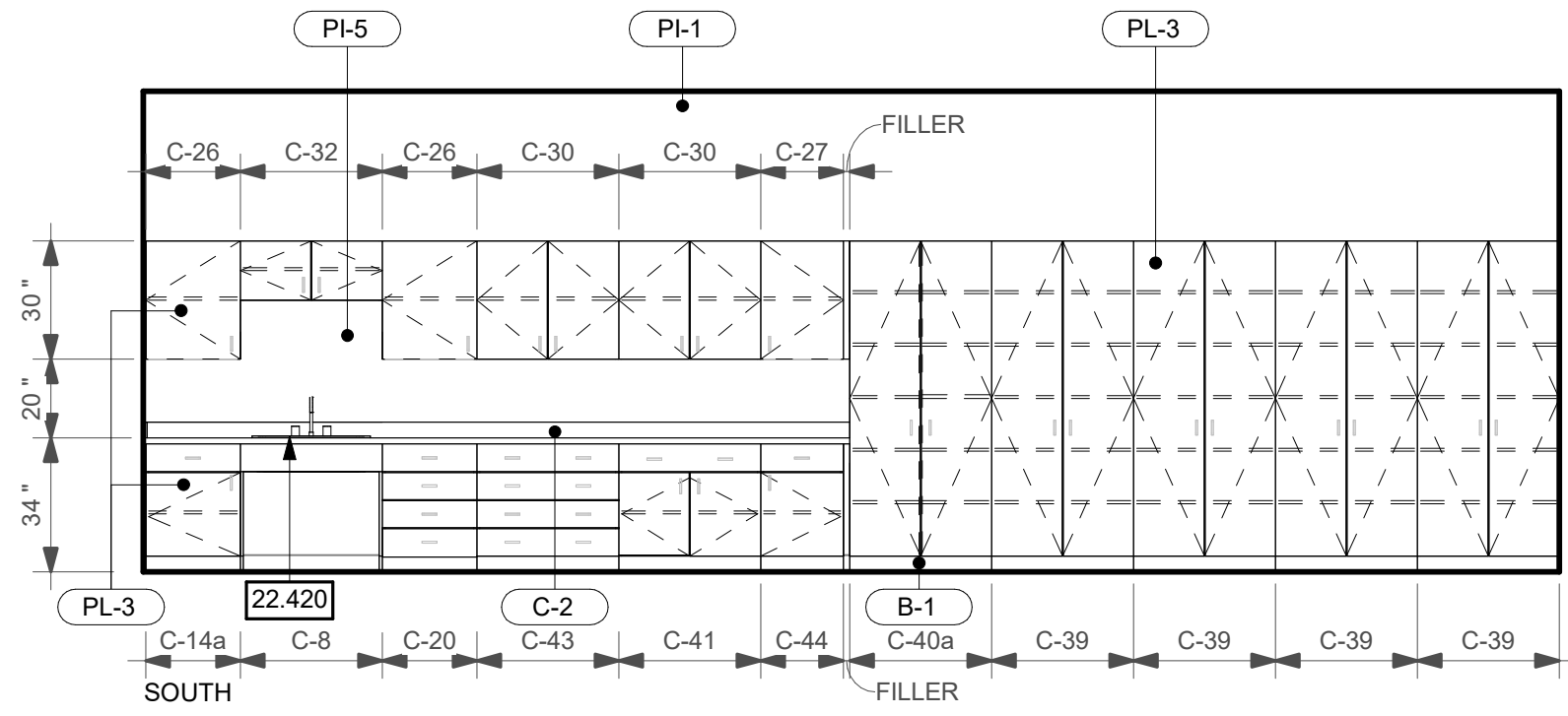
LEGEND

- FT-1 FELT TILE - COLOR 1
- FT-2 FELT TILE - COLOR 2
- FT-3 FELT TILE - COLOR 3
- FT-4 FELT TILE - COLOR 4

NOTE: SEE FINISH SCHEDULE ON SHEET A11.01 FOR ALL FINISHES AND COLORS



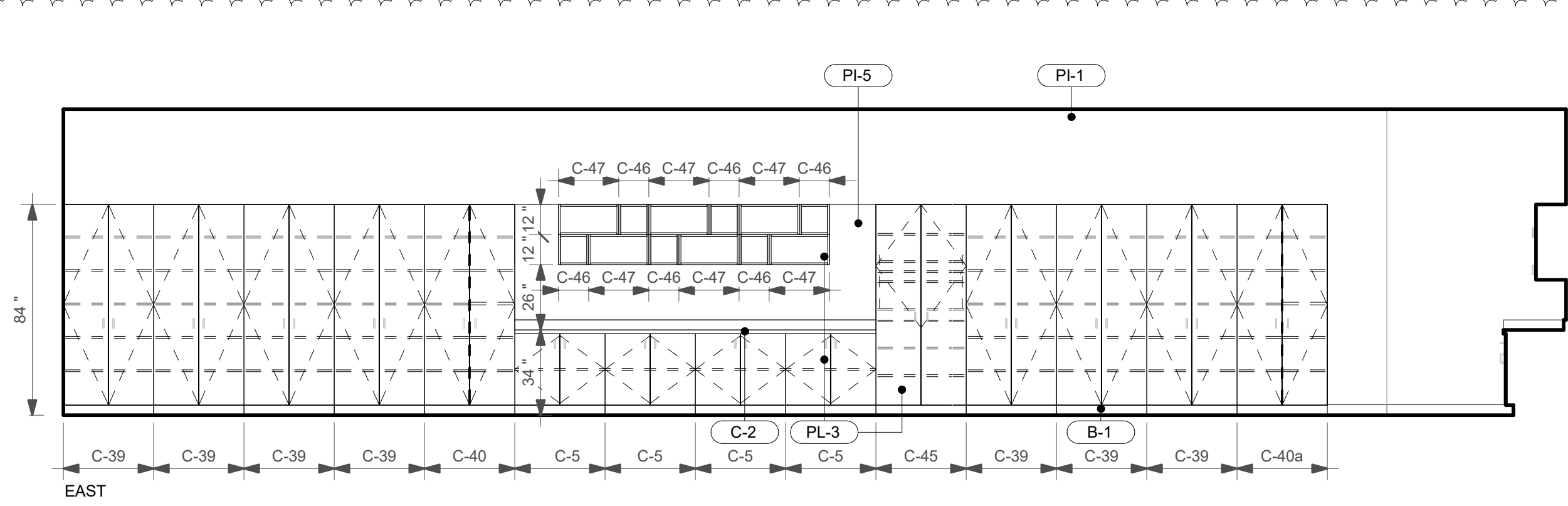
NORTH



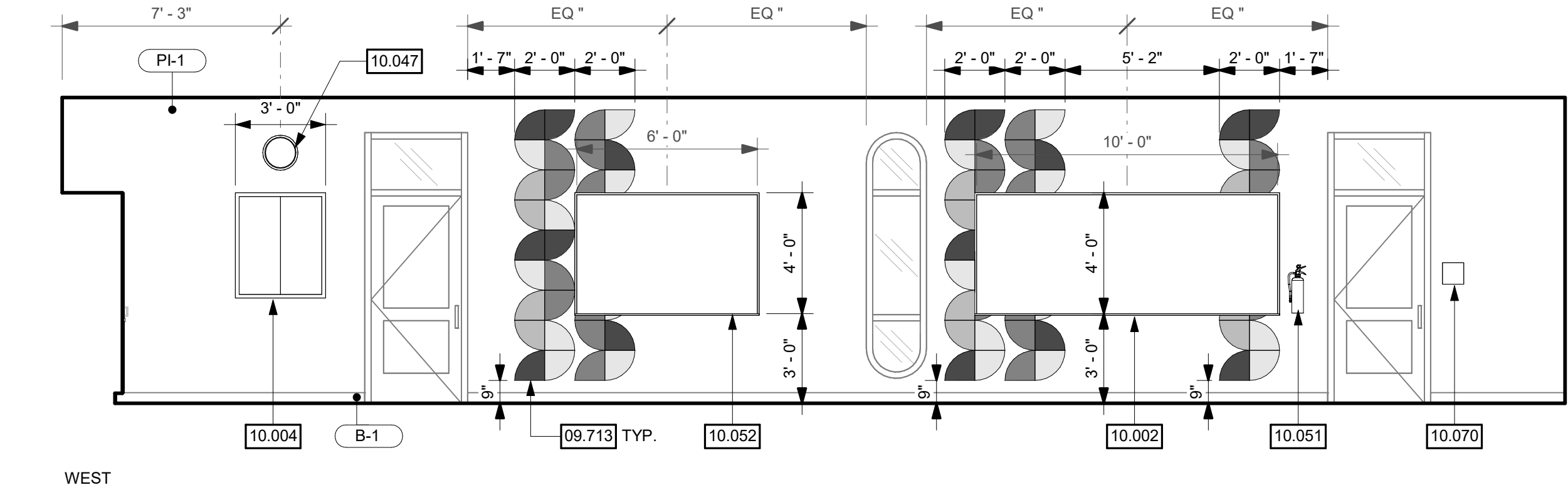
SOUTH

1 1633 - CLASSROOM

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



EAST



WEST

GENERAL SHEET NOTES

- A FOR INTERIOR FINISHES NOT SHOWN ON ELEVATIONS REFER TO INTERIOR FINISH SCHEDULE.
- B CABINET ELEVATIONS AS SHOWN IN THE INTERIOR ELEVATIONS ARE FOR REFERENCE ONLY. ACTUAL CABINET DESIGN CRITERIA AND SIZES ARE DESIGNATED IN THE CASEWORK SCHEDULE WHERE INDIVIDUAL CASEWORK DESIGN REQUIREMENTS DO NOT FIT WITHIN THE CDS NUMBERING SYSTEM CABINETS ARE DETAILED SEPARATELY AS REFERENCED IN THE CASEWORK SCHEDULE.
- C SEE TYPICAL FIXTURE MOUNTING HEIGHTS DETAIL FOR MOUNTING HEIGHT OF ACCESSORIES.
- D ALL EXPOSED CONDUITS AND PIPES SHALL BE PAINTED U.O.N.
- E ALL ITEMS REFERENCED IN KEYNOTES ARE TO BE PROVIDED NEW, U.O.N.
- F REFER TO SHEET A11.10 FOR CABINET ANCHORAGE DETAILS.
- G REPLACE DOOR HARDWARE, SEE DOOR SCHEDULE TYP
- H SOFFIT ABOVE UPPER CABINETS TO EXTEND 1" BEYOND CABINET EDGE, TYP. E UPPER CABINETS TO EXTEND 1" BEYOND CABINET EDGE, TYP.

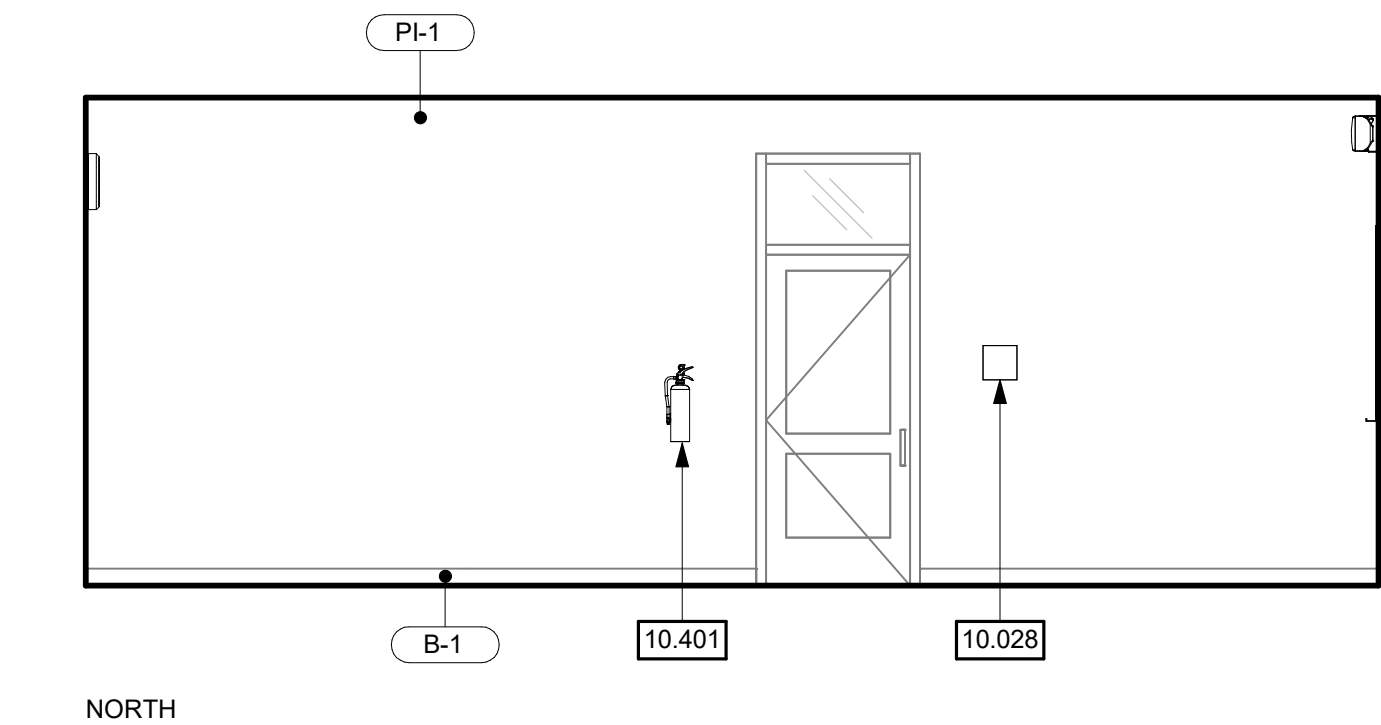
ELEVATIONS KEYNOTES

- 09.713 SELF ADHESIVE FELT TILES. BASES OF DESIGN FELTRIGHT OR APPROVED EQUAL. PATTERN, COLOR AND SIZE PER LEGEND
- 10.002 MARKERBOARD. FOR ATTACHMENT SEE DETAIL 12 / A9.12
- 10.004 SURFACE MOUNTED BULLETIN BOARD. FOR ATTACHMENT SEE DETAIL 13 / A9.12
- 10.028 ASSISTIVE LISTENING DEVICE SIGNAGE PER SHEET A11.02
- 10.047 REINSTALL (E) WALL CLOCK PER ELEVATIONS
- 10.048 REINSTALL (E) MARKERBOARD PER ELEVATIONS. SEE MOUNTING DETAIL 12 / A9.12
- 10.049 REINSTALL (E) LOUD SPEAKER PER ELEVATIONS
- 10.050 REINSTALL (E) TV PER ELEVATIONS. SEE MOUNTING DETAIL 11 / A9.12
- 10.051 REINSTALL (E) BRACKET MOUNT FIRE EXTINGUISHER PER ELEVATIONS 3 / A9.12
- 10.052 REINSTALL (E) TACK BOARD PER ELEVATIONS
- 10.053 REINSTALL (E) PROJECTOR SCREEN PER ELEVATIONS. SEE MOUNTING DETAIL 7 / A9.12
- 10.070 MAXIMUM OCCUPANCY SIGNAGE PER DETAIL CD.070 ON SHEET A11.02
- 10.401 PORTABLE FIRE EXTINGUISHER AND WALL BRACKET. SEE DETAIL 3 / A9.12
- 22.420 D.A. SINK AND FAUCET. S.P.D.

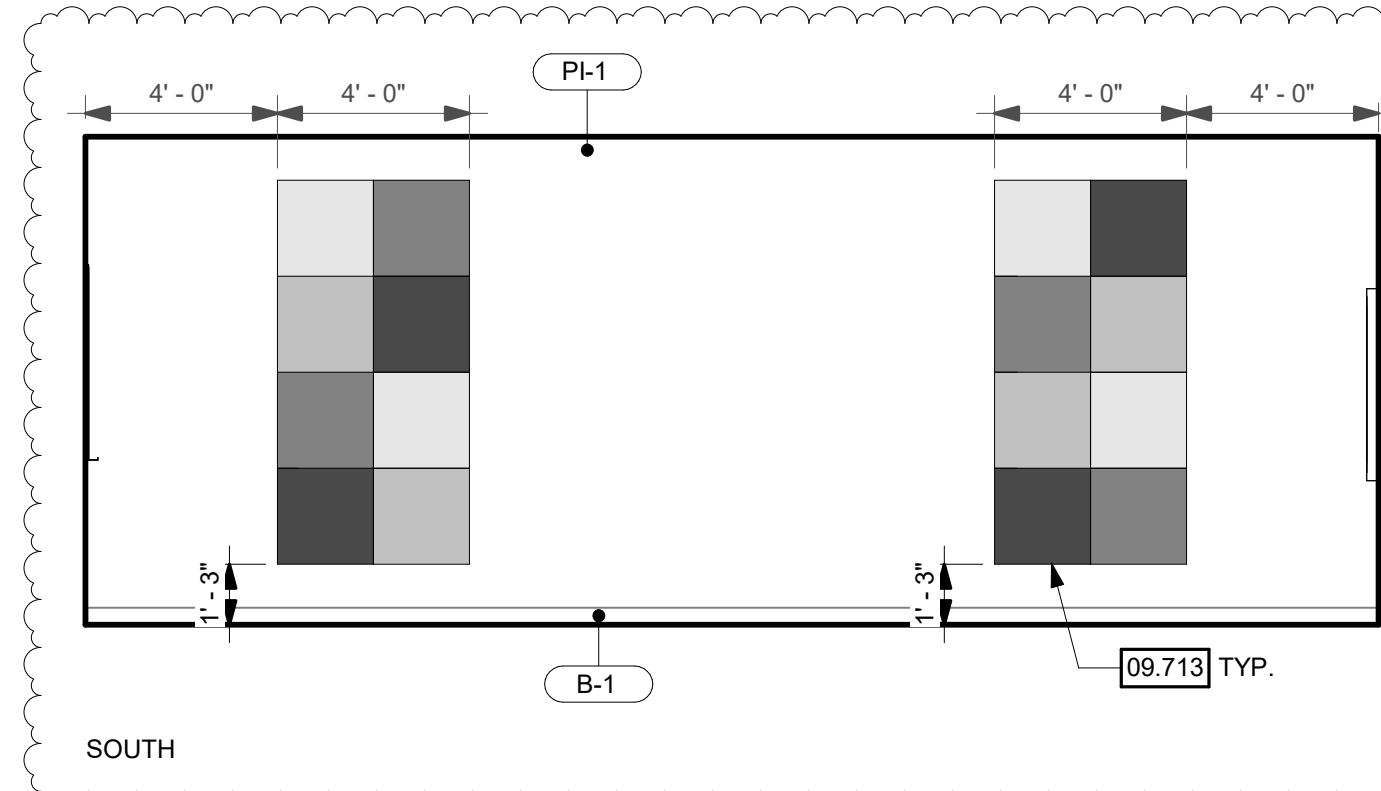
FINISH LEGEND

- B-1 4" RUBBER BASE
- C-1 DURCON SOLID SURFACE
- C-2 COMPOSITE ENGINEER STONE
- C-3 CORIAN HARD SURFACE
- C-4 WOOD SURFACE
- PI-1 INTERIOR PAINT FIELD COLOR WHITE
- PI-2 INTERIOR PAINT ACCENT 1
- PI-3 INTERIOR PAINT ACCENT 2
- PI-4 INTERIOR PAINT ACCENT BLACK
- PL-1 PLASTIC LAMINATE 1
- PL-2 PLASTIC LAMINATE 2
- PL-3 PLASTIC LAMINATE 3
- SCL-1 SCHLUTER TOP TRIM
- SCL-2 SCHLUTER COVE
- TWP TACKABLE WALL PANEL
- WC-1 WALLCOVERING
- T-3 6x6 CERAMIC WALL TILE, ACCENT WHITE
- FRL FIBER REINFORCED LAMINATE
- PI-5 INTERIOR PAINT ACCENT 3

NOTE: SEE FINISH SCHEDULE ON SHEET A11.01 FOR ALL FINISHES AND COLORS



NORTH

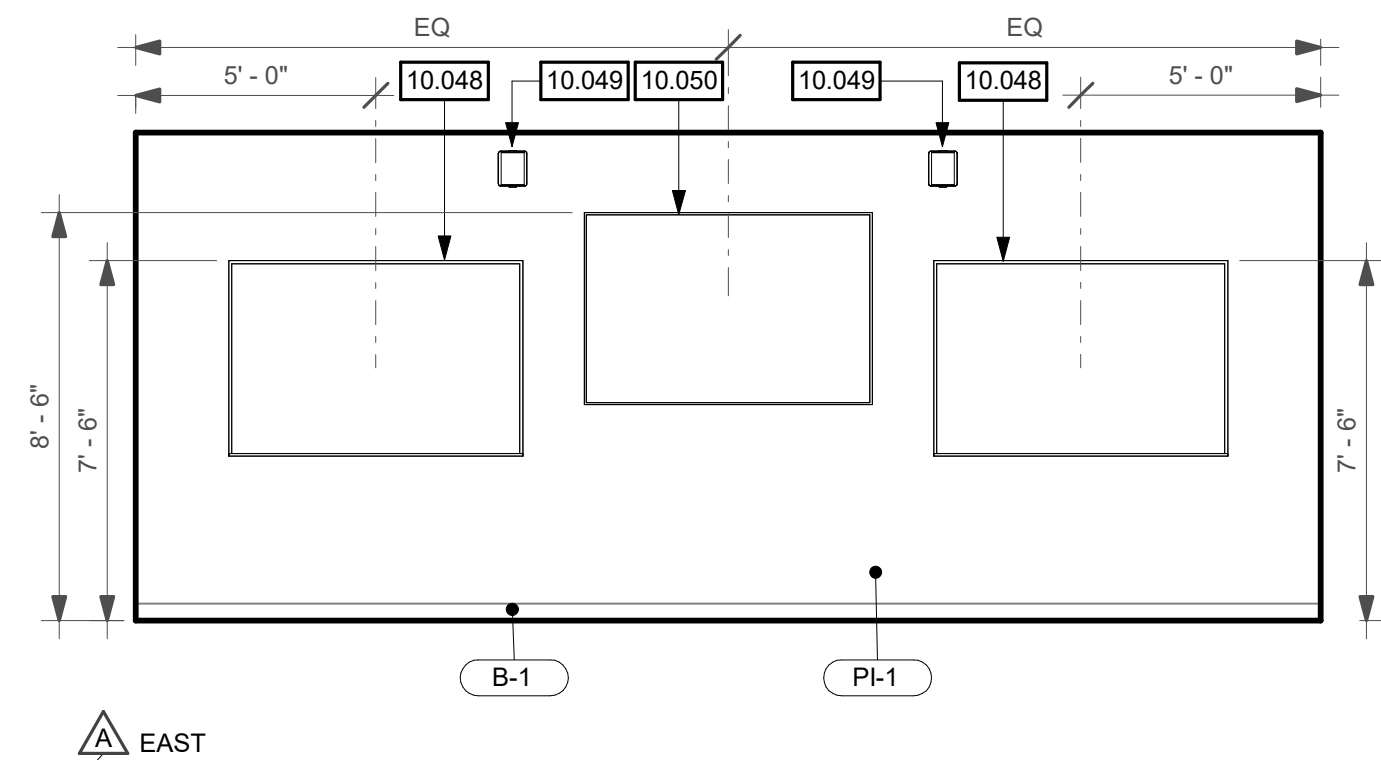


SOUTH

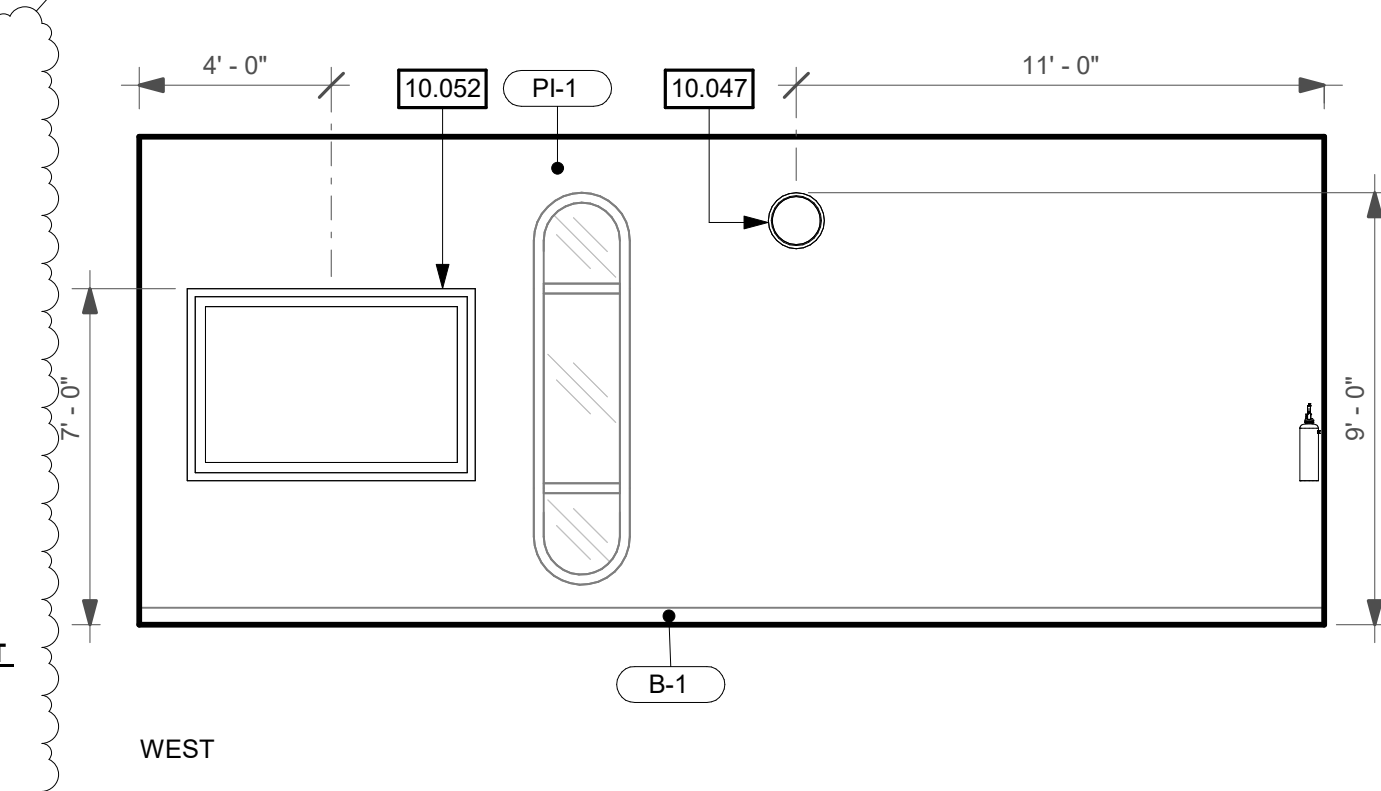
LEGEND

- FT-5 FELT TILE - COLOR 5
- FT-6 FELT TILE - COLOR 6
- FT-7 FELT TILE - COLOR 7
- FT-8 FELT TILE - COLOR 8

NOTE: SEE FINISH SCHEDULE ON SHEET A11.01 FOR ALL FINISHES AND COLORS



EAST



WEST

3 1635 - CLASSROOM

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

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PROJECT

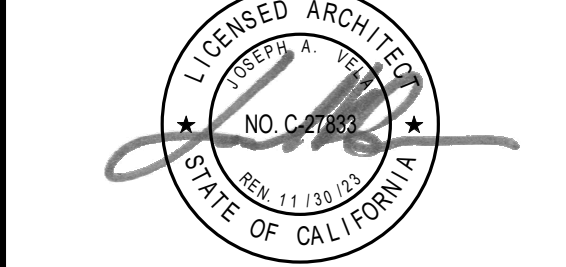
Solano CCD BLDG 1600
MODERNIZATION



SOLANO COMMUNITY
COLLEGE DISTRICT

CONSULTANT

STAMP



STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

No.	Description	Date
A	Addendum 2	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

INTERIOR
ELEVATIONS

DATE 07/12/2024

JOB # 2022047

SHEET #

AD2 - A12.04

PROJECT

Solano CCD BLDG 1600
Modernization



SOLANO COMMUNITY
COLLEGE DISTRICT

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STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

No.	Description	Date
A	Addendum 2	07/12/24

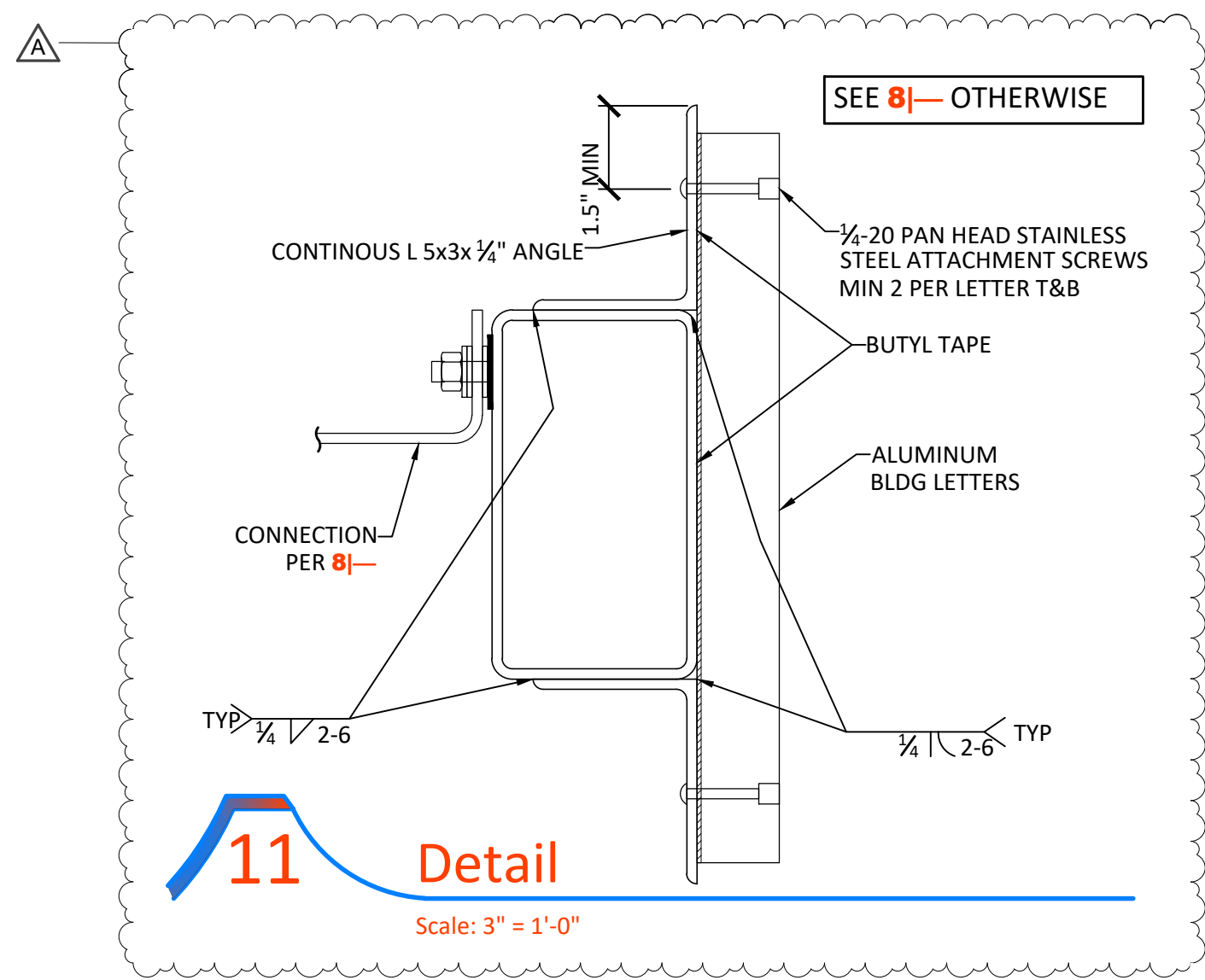
MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
75% CD	12.22.2023
90% CD	01.05.2024
DSA SUB	05.30.2024

SHEET

CANOPY DETAILS

DATE	05/17/24
JOB #	2022047
SHEET #	AD2 - S6.02



Branch Panel: 16RE																			
Location: ELEC 1657						Volts: 120/208 Wye						A.I.C. Rating: 22k							
Supply From: 16RA						Phases: 3						Mains Type: MCB							
Mounting: Surface						Wires: 4						Mains Rating: 225 A							
Enclosure: Type 1												MCB Rating: 225 A							
Notes:																			
CKT	Load Name				Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT			
1	Nails 1608 - Receptacle				20 A	1	720			720			1	20 A	Esthetics 1611 - Floor Receptacles	2			
3	Nails 1608 - Receptacle				20 A	1		720		720			1	20 A	Esthetics 1611 - Floor Receptacles	4			
5	Nails 1608 - Receptacle				20 A	1			720			720	1	20 A	Esthetics 1611 - Floor Receptacles	6			
7	Nails 1608 - Receptacle				20 A	1	720			720			1	20 A	Esthetics 1611 - Floor Receptacles	8			
9	Salon 1604 - Receptacles				20 A	1		180			720		1	20 A	Esthetics 1611 - Floor Receptacles	10			
11	Salon 1604 - Receptacles				20 A	1			180			720	1	20 A	Esthetics 1611 - Floor Receptacles	12			
13	Salon 1604 - Receptacles				20 A	1	180			720			1	20 A	Esthetics 1611 - Floor Receptacles	14			
15	Nail Workroom 1604 - Receptacles				20 A	1		900			720		1	20 A	Esthetics 1611 - Floor Receptacles	16			
17	Nail Workroom 1604 - Receptacles				20 A	1			1,068			720	1	20 A	Esthetics 1611 - Floor Receptacles	18			
19	Office 1609 - Receptacles				20 A	1	713			720			1	20 A	Esthetics 1611 - Floor Receptacles	20			
21	Nails 1608 - Receptacle				20 A	1		540			540		1	20 A	Salon 1604 - Countertop Receptacles	22			
23	Salon 1604 - Mannequin Dryer Cabinet				20 A	1			180			540	1	20 A	Salon 1604 - Countertop Receptacles	24			
25	Salon 1604 - Mannequin Dryer Cabinet				20 A	1	180			900			1	20 A	Esthetics 1611 - Receptacles	26			
27	FSD				20 A	1		180			1,080		1	20 A	Esthetics 1611 - Receptacles	28			
29	FSD				20 A	1			180			900	1	20 A	Salon 1604 - Receptacles	30			
31	FSD				20 A	1	180			180			1	20 A	Salon 1604 - Receptacles	32			
33	FSD				20 A	1		180			511		1	20 A	Elec Room 1657 - Condensate Pump	34			
35	IDF Room 1632 - Condensate Pump				20 A	1			332			360	1	20 A	Elec Room 1657 - Backboard Receptacle	36			
37	IDF 1632 - IT Equipment				20 A	1	900			900			1	20 A	Receptacle	38			
39	SPARE				20 A	1		0			0		1	20 A	SPARE	40			
41	SPARE				20 A	1			0			0	1	20 A	SPARE	42			
43	SPACE				--	1	--			--			1	--	SPACE	44			
45	SPACE				--	1	--			--			1	--	SPACE	46			
47	SPACE				--	1	--			--			1	--	SPACE	48			
Total Load:					8,389 VA					6,908 VA					6,557 VA				
Total Amps:					70 A					58 A					55 A				
Legend:																			
Load Classification				Connected Load				Demand Factor				Estimated Demand				Panel Totals			
Continuous				492 VA				125.00%				615 VA							
Motor				720 VA				106.25%				765 VA				Total Conn. Load: 21,836 VA			
Other				2520 VA				100.00%				2520 VA				Total Est. Demand: 17,920 VA			
Receptacle				18168 VA				77.52%				14084 VA				Total Conn. Current: 61 A			
																Total Est. Demand Current: 50 A			
Notes:																			

LTG INVERTER INV

Location: ELEC 1657

Supply From:

Mounting: Surface

Enclosure:

Volts: 277/277 Single

Phases: 1

Wires: 2

A.I.C. Rating: 18k

Mains Type: MLO

Mains Rating:

MCB Rating:

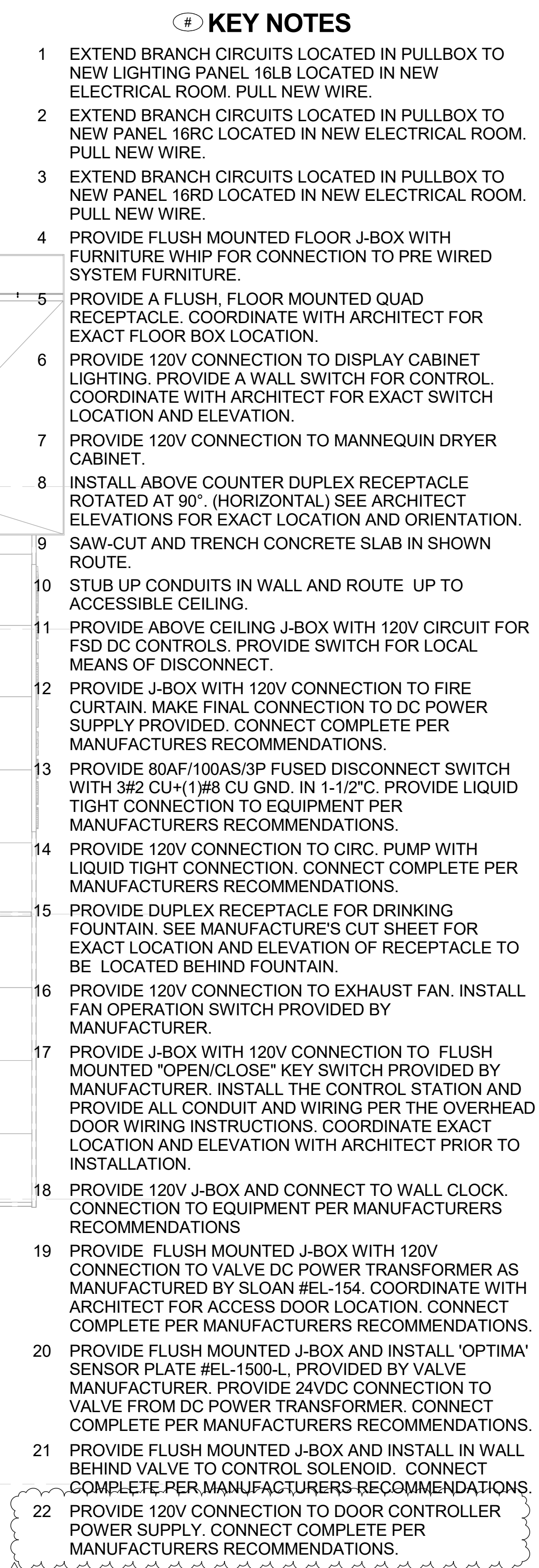
Notes:

CKT	Circuit Description	Trip	Poles	Load
1	EM LTG	20 A	1	1671 VA
2	EXIT SIGNS	20 A	1	37 VA
3	EXTERIOR EM LTG	20 A	1	470 VA
4				
5				
			Total Load:	2177 VA
			Total Amps:	8 A

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
Lighting	2177 VA	125.00%	2721 VA	
				Total Conn. Load: 2,177 VA
				Total Est. Demand: 2,721 VA
				Total Conn. Current: 8 A
				Total Est. Demand Current: 10 A

Notes:



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PROJECT



SOLANO
COMMUNITY COLLEGE

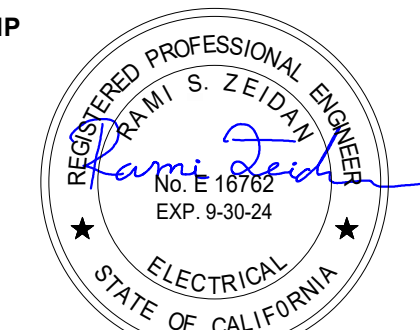
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Job #: 23-2060**

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STATE

DSA FILE NUMBER	48-C1
APPL #	02-122010

REVISIONS		
No.	Description	Date

 ADD 02 07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
75% CD	12.22.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

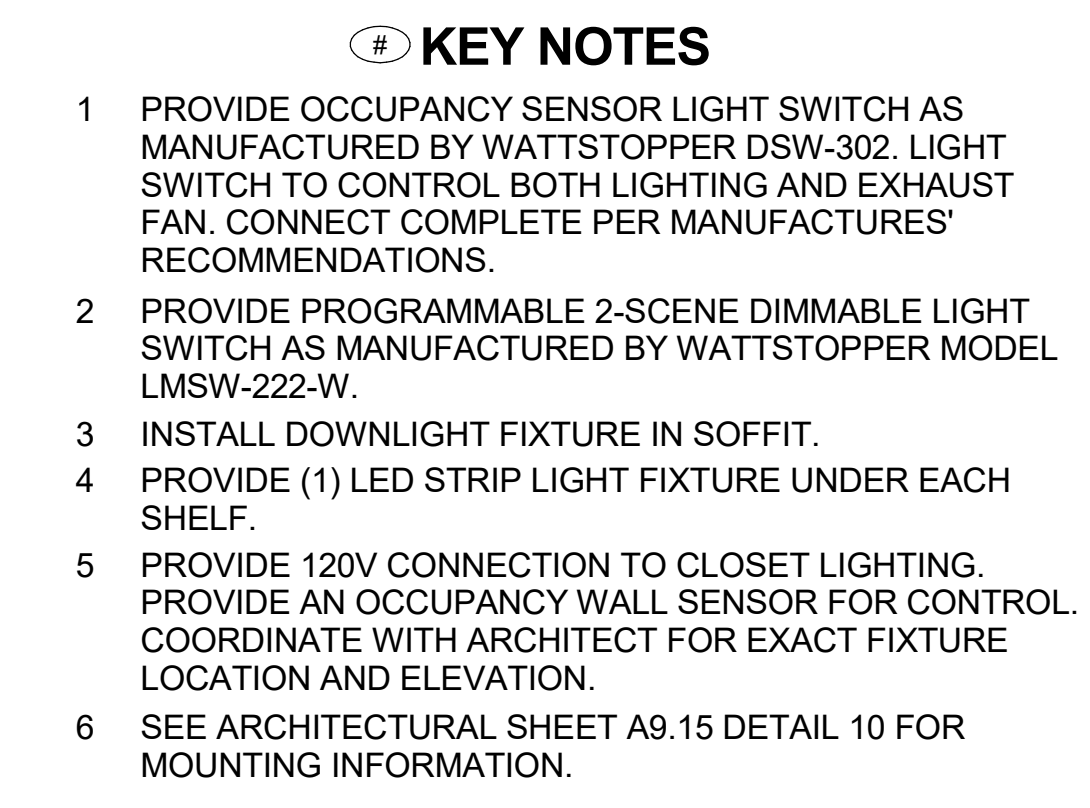
ELECTRICAL FIRST FLOOR POWER PLAN

DATE 7.12.24

JOB # 2022047

SHEET #

AD2 - E3.01



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**SOLANO COMMUNITY
COLLEGE DISTRICT**

CONSULTANT

STAMP



The stamp is a circular professional seal for Rami S. Zeidan, a Registered Professional Engineer in the State of California. The seal includes the text "REGISTERED PROFESSIONAL ENGINEER", "RAMI S. ZEIDAN", "No. E 16782", "EXP. 9-30-24", "ELECTRICAL", and "STATE OF CALIFORNIA". There are two stars on the seal. A blue ink signature, "Rami Zeidan", is written across the seal.

REVISIONS		
No.	Description	Date
	ADD 02	07/12/24

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MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
75% CD	12.22.2023

75% CD	12.22.2023
90% CD	01.05.2024
DSA SUB	05.17.2024
SHEET	

ELECTRICAL FIRST FLOOR LIGHTING PLAN

--	--

DATE 7-12-24

7.12.24

JOB # 2022047

SHEET #

AD2 - E3.02

7/11/2024 8:05:04 AM

FIRE ALARM ABBREVIATIONS/SYMBOLS			
SYMBOL	DESCRIPTIONS	SYMBOL	DESCRIPTIONS
A	ABOVE CEILING	NFPA	NATIONAL FIRE PROTECTION ASSOCIATION
AFF	ABOVE FINISHED FLOOR	NIC	NOT IN CONTRACT
AHJ	AUTHORITY HAVING JURISDICTION	NPU	NETWORK PROCESSING UNIT
ALM	ALARM	NTS	NOT TO SCALE
ANN	ANNUNCIATOR	PAP	PRE-ACTION PANEL
BMS	BUILDING MANAGEMENT SYSTEM	PAP	PRE-ACTION PANEL
C	CONDUIT	PB	PULL BOX
CBC	CALIFORNIA BUILDING CODE	(R)	RELOCATE / RELOCATED
CEC	CALIFORNIA ELECTRICAL CODE	(RC)	EXISTING TO REMOVE AND COVER
CFM	CALIFORNIA FIRE CODE	(RD)	EXISTING DEVICE TO BE RELOCATED
CM	CEILING MOUNTED	(RL)	RELOCATED DEVICE
CD	CANDELA RATING	(RR)	REMOVE EXISTING & REPLACE WITH NEW
DET	DETECTOR	SCC	STATUS COMMAND CENTER
DGP	DATA GATHERING PANEL	SLC	SIGNALING LINE CIRCUIT
(E)	EXISTING TO REMAIN	SMK	SMOKE
EC	EMPTY CONDUIT	SUPV	SUPERVISORY
EM	EMERGENCY	TOS	TOP OF SHAFT
EMT	ELECTRICAL METALLIC TUBING	TRBL	TROUBLE
EOL	END OF LINE	TS	TAMPER SWITCH
EPO	EMERGENCY POWER OFF	TYP	TYPICAL
FAA	FIRE ALARM ANNUNCIATOR	UNO	UNLESS NOTED OTHERWISE
FACP	FIRE ALARM CONTROL PANEL	VCC	VOICE COMMAND CENTER
FAPS	REMOTE FIRE ALARM POWER SUPPLY	VT	VALVE TAMPER
FATC	FIRE ALARM TERMINAL CABINET	W	WATTAGE
FBO	FURNISHED BY OTHERS	WI	WITH
FCC	FIRE COMMAND CENTER	W/O	WITHOUT
FSD	FIRE SMOKE DAMPER	WF	WATERFLOW
FTR	FIRE ALARM TRANSDUCER	WG	WIRE GUARD
GB	GROUND BOX	WP	WEATHERPROOF
H	HIGH HUMIDITY	(X)	REMOVE
HT	HEIGHT	XFMR	TRANSFORMER
HVAC	HEATING VENTILATION & AIR CONDITIONING		
IMS	INFORMATION MANAGEMENT SYSTEM		
MAX	MAXIMUM		
MIN	MINIMUM		
(N)	NEW		
N/A	NOT APPLICABLE		
NA	NOT AVAILABLE		
NAC	NOTIFICATION APPLIANCE CIRCUIT		
	NETWORK DISPLAY UNIT		

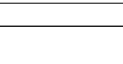
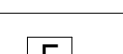
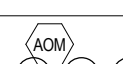
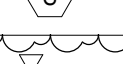
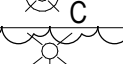
FIRE ALARM GENERAL DEMO NOTES	
1. ALL EXISTING FIRE ALARM EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., WHERE SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DOCUMENTS AND LIMITED SITE SURVEY AND ARE SHOWN FOR CLARITY. IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONSTRUCTION CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND BEFORE START OF ANY ELECTRICAL WORK, CONTRACTOR SHALL VERIFY ON-SITE ALL EXISTING LOCATIONS AND CONDITIONS TO ASCERTAIN ALL WORK REQUIRED.	
2. EXISTING FIRE ALARM SYSTEM SHALL REMAIN ACTIVE UNTIL CONSTRUCTION IS COMPLETED. CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING FIRE ALARM SYSTEMS AND/OR OTHER EXISTING FACILITY'S SYSTEMS AND SERVICES AS POSSIBLE. CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE AT LEAST 72 HOURS TO SCHEDULE ALL NECESSARY SHUTDOWNS. SHUTDOWN WORK SHALL BE PERFORMED AFTER THE NORMAL OPERATION HOURS OF THE FACILITY, IF SO DIRECTED BY THE OWNER'S REPRESENTATIVE.	
3. FIRE WATCH IN CONFORMANCE WITH THE CALIFORNIA FIRE CODE SHALL BE PROVIDED AT THE DIRECTION OF THE CONTRACTOR FOR EVERY OFF-LINE BUILDING. THE SCHOOL SHALL ASSIST WITH FIRE WATCH ACTIVITIES DURING SCHOOL HOURS AND WHENEVER THE CAMPUS IS OCCUPIED BY STUDENTS, TEACHERS AND STAFF. THE CONTRACTOR SHALL PROVIDE ALL FIRE WATCH ACTIVITIES AFTER SCHOOL HOURS AND WHENEVER THE CAMPUS IS NOT OCCUPIED. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MONITORING AND MAINTAINING ALL FIRE WATCH LOGS.	
4. ALL REMOVED AND/OR DEMOLISHED ELECTRICAL MATERIALS AND EQUIPMENT TO BE ACCOMPLISHED UNDER THIS CONTRACT, WHICH IN THE OPINION OF THE OWNER'S REPRESENTATIVE ARE DEEM SALVAGEABLE, SHALL REMAIN THE PROPERTY OF THE OWNER. ALL FIRE ALARM MATERIAL AND EQUIPMENT CONSIDERED NOT SALVAGEABLE SHALL BE REMOVED FROM THE SITE AND DISPOSED BY THE CONTRACTOR ACCORDINGLY.	
5. WHERE REMOVAL OF AN EXISTING SYSTEM'S DEVICE WILL RESULT IN LOSS OF CIRCUIT CONTINUITY, THE ISOLATED PORTIONS OF THE CIRCUIT SHALL BE RECONNECTED TO PROVIDE SERVICE TO ALL REMAINING DEVICES. IF SITE CONDITIONS MAKE RECONNECTION IMPOSSIBLE, CONNECTION SHALL BE MADE FROM AN ADJACENT AVAILABLE DEVICE AS NOTED AND/OR AS DIRECTED BY THE ARCHITECT AND/OR THE OWNER'S REPRESENTATIVE.	
6. WHEREVER EXISTING DEVICES, PANELS, CONDUITS, CABLES, ETC., CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS AS DIRECTED BY THE ARCHITECT AND/OR OWNER'S REPRESENTATIVE AND REPAIR ALL SURFACES.	
7. COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.	
8. WHERE EXISTING WIRING OR EQUIPMENT IS ABANDONED AS A RESULT OF THIS CONTRACT, IT SHALL BE REMOVED INSOFAR AS POSSIBLE. THIS INCLUDES BUT IS NOT LIMITED TO: a. REMOVE ALL WIRE AND CABLE. b. REMOVE ALL DEVICES AND EQUIPMENT. c. REMOVE ALL EXPOSED CONDUIT AND CONDUIT IN ACCESSIBLE CONCEALED AREA, AS FAR AS POSSIBLE. d. CUT OFF AND CAP ALL ABANDONED CONDUIT. STUBS SHALL NOT BE PROTRUDED ABOVE FLOOR AND/OR FINISHED WALLS AND CEILINGS.	

FIRE ALARM GENERAL NOTES	
1. THE INTENT OF THESE DRAWINGS AND/OR SPECIFICATIONS DESCRIBE A COMPLETE, FUNCTIONING FIRE ALARM SYSTEM (INCLUDING VOICE EVACUATION PER SB875) WITH DEVICES, WIRING AND FIRE ALARM CONTROL PANEL TO MEET THE REQUIREMENTS OF NFPA 72 AND 2022 CALIFORNIA FIRE CODE AND APPLICABLE LOCAL FIRE MARSHALL REGULATIONS AND REQUIREMENTS.	
2. LOCATIONS OF EXISTING EQUIPMENT AND DEVICES SHOWN ON THESE PLANS ARE BASED ON AVAILABLE AS-BUILT PLANS AND LIMITED SITE SURVEYS. CONTRACTOR SHALL THOROUGHLY INSPECT THE EXISTING SYSTEM AND SITE CONDITIONS BEFORE BID. ADVISE THE SCHOOL'S REPRESENTATIVE OF ALL CONDITIONS REQUIRING IMMEDIATE ATTENTION OR MIGHT CAUSE DIFFICULTIES THAT ARE NOT ADDRESSED, OR INFERRED TO, IN THE CONTRACT DRAWINGS AND SPECIFICATIONS PRIOR TO NEW CONSTRUCTION AND THE COMMENCEMENT OF THE GUARANTEE PERIOD.	
3. CONTRACTOR SHALL SUBMIT ANY ALTERATIONS OF THE APPROVED CONSTRUCTION DOCUMENTS TO THE SPECIAL INSPECTOR AND DSA FOR NEW APPROVALS. START INSTALLATION OF THE SYSTEM AFTER DETAILED PLANS, SPECIFICATIONS, NEW SHOP DRAWINGS AND SUBMITTALS HAS BEEN APPROVED BY DSA. CONTRACTOR SHALL BE TOTALLY RESPONSIBLE FOR ANY DELAY.	
4. PER DSA IR F-2 SECTION 1, WHEN, AS PART OF AN ALTERATION OR MODERNIZATION PROJECT OR CONSTRUCTION OF NEW BUILDING A FIRE PROTECTION LIFE SAFETY IS PLACED OUT OF SERVICE AND AFFECTS ANY OCCUPIED PORTION OF AN EXISTING BUILDING UNDERGOING RENOVATION OR OCCUPIED BUILDINGS OR PORTIONS OF THE CAMPUS, THEN THE SCHOOL DISTRICT, DSA, AND THE ARCHITECT/ENGINEER IN GENERAL RESPONSIBLE CHARGE OF THE CONSTRUCTION PROJECT SHALL BE NOTIFIED IMMEDIATELY BY THE PROJECT INSPECTOR. IT WILL BE THE SCHOOL DISTRICT'S RESPONSIBILITY TO ESTABLISH, INSTRUCT AND MAINTAIN FIRE WATCH PERSONNEL IN/AT THE AFFECTED BUILDING(S), WHERE A FIRE ALARM SYSTEM IS OUT OF SERVICE. WARNING SIGNS SHALL BE POSTED AT ALL ENTRANCES TO ANY BUILDING TO INFORM THE OCCUPANTS. MODERNIZATIONS OF EXISTING BUILDINGS OR CONSTRUCTION OF NEW BUILDINGS THAT ARE NOT OCCUPIED BY THE PUBLIC, STAFF OR STUDENT DURING CONSTRUCTION, SHALL NOT REQUIRE A FIRE WATCH AS LONG AS THE CONSTRUCTION EFFORTS DO NOT AFFECT OTHER OCCUPIED AREAS OF THE BUILDING.	
5. REQUEST FOR ADDITIONAL COSTS ASSOCIATED WITH RE-USE OF ANY EXISTING SYSTEM COMPONENT, INCLUDING CONDUITS, BOXES, CONTROL PANELS, ETC. WILL NOT BE CONSIDERED.	
6. NO KNOWN EXISTING CEILING OR ATTIC SPACE IN ROOMS OR AREA WITH HARD CEILING. IF CEILING OR ATTIC SPACE OCCUR DURING FIELD CONSTRUCTION THAT REQUIRE ADDING DETECTORS ABOVE THE CEILING OR ATTIC SPACE, PROVIDE A CONSTRUCTION CHANGE DOCUMENT, OR A SEPARATE SET OF PLANS SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH THE WORK.	
7. THE FIRE ALARM SYSTEM SHALL CONFORM TO THE 2022 CALIFORNIA FIRE CODE, ARTICLE 907, CBC 305 AND 2022 CALIFORNIA ELECTRICAL CODE, ARTICLE 760.	
8. FIRE ALARM SYSTEM SHALL TRANSMIT ALARM, SUPERVISORY AND TROUBLE SIGNAL TO AN APPROVED SUPERVISING STATION IN ACCORDANCE WITH 2022 NFPA 72 AND CBC 907 6.6.	
9. CONTRACTOR SHALL PROVIDE A COMPLETE AND FUNCTIONAL CODE COMPLIANT SYSTEM WITH ALL REQUIRED HARDWARE, DEVICES, PROGRAMMING AND POINT/DEVICE DESCRIPTION SCHEDULES.	
10. THE INSTALLING CONTRACTOR SHALL PROVIDE SYSTEM PROGRAMMING FOR SUPERVISORY MONITORING PER CBC 901 6.3.	
11. OWNER SHALL BE RESPONSIBLE FOR ESTABLISHING A FIRE SYSTEM MONITORING CONTRACT OR PROVISIONS.	
12. INSTALLATION OF THE FIRE ALARM SYSTEM SHALL NOT BE STARTED UNTIL DETAILED SPECIFICATIONS, INCLUDING CALIFORNIA STATE FIRE MARSHAL LISTING NUMBERS FOR EACH COMPONENT OF THE SYSTEM HAVE BEEN APPROVED BY THE CALIFORNIA STATE FIRE MARSHAL, AND THE LOCAL FIRE MARSHAL.	
13. UPON COMPLETION OF THE INSTALLATION OF THE FIRE ALARM SYSTEM, A SATISFACTORY TEST OF THE ENTIRE SYSTEM SHALL BE MADE IN THE PRESENCE OF THE ENFORCING AGENCY AND SPECIAL INSPECTOR. THE SCHOOL SHALL NOT BE IN OPERATION UNTIL THE IOR AND THE LOCAL FIRE MARSHAL HAS VERIFIED AND/OR SIGNED OFF ON OPERATIONAL CAPACITY OF THE FIRE ALARM SYSTEM.	
14. ARCHITECT/ENGINEER AND OWNER SHALL BE NOTIFIED A MINIMUM OF 48 HOURS PRIOR TO THE FINAL INSPECTION AND /OR TESTING.	
15. CONTRACTOR SHALL SUBMIT THE SPECIAL INSPECTOR NFPA CERTIFICATE OF COMPLIANCE FORM TO THE SCHOOL REPRESENTATIVE FOR SUBMISSION TO THE FIRE DEPARTMENT.	
16. BEFORE REQUESTING FINAL APPROVAL OF THE INSTALLATION, THE SYSTEM INSTALLING CONTRACTOR SHALL FURNISH A WRITTEN STATEMENT TO THE INSPECTOR OF RECORD TO THE EFFECT THAT THE SYSTEM HAS BEEN INSTALLED AND COMPLETELY TESTED IN ACCORDANCE WITH 2022 NFPA 72, SECTION 7.5.2 AND 7.6.	
17. CONTRACTOR SHALL PROVIDE INTELLIGIBILITY TESTING USING INTELLIGIBILITY METERS APPROVED FOR SUCH USE. REFERENCE NFPA 72 CHAPTER 24, AN STI SCORE OF 7.0 IS A MINIMUM REQUIREMENT. CONTRACTOR SHALL IDENTIFY ALL ACOUSTICALLY DISTINGUISHABLE SPACES (ADS) ON CONTRACTOR SHOP DRAWINGS.	
18. THE CONTRACTOR SHALL ADJUST/INSTALL ALL DEVICES TO MAXIMIZE PERFORMANCE AND TO MINIMIZE FALSE ALARMS.	
19. PROVIDE FIRE ALARM AUDIBLE SOUND LEVEL AT LEAST 15 DBA ABOVE THE AVERAGE AMBIENT SOUND LEVEL IN OCCUPIED AREAS, BUT NOT LESS THAN 5 DBA AT 10 FEET OR MORE THAN 120 DBA IN TOTAL, THROUGHOUT SYNCHRONIZED TEMPORAL CODE 3 SOUND. (2022 NFPA 72, 16.4.2.1)	
20. WALL MOUNTED VISIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 80" MINIMUM AND THEIR TOPS AT 96" MAXIMUM FROM FINISHED FLOOR.	
21. WALL MOUNTED AUDIBLE NOTIFICATION DEVICES SHALL HAVE THEIR TOPS MOUNTED AT 90" MINIMUM FROM FINISHED FLOOR AND NO CLOSER THEN 6" TO A HORIZONTAL STRUCTURE.	
22. A FLASHING VISUAL WARNING DEVICE HAVING A FREQUENCY OF NOT MORE THAN 60 FLASHES PER MINUTE (TWO (2) FLASHES OR LESS THAN ONE (1) FLASH PER SECOND) SHALL BE INSTALLED TO WARN THE HEARING-IMPAIRED AS SHOWN ON THE DRAWINGS. FLASHING VISUAL WARNING DEVICES VIEWABLE WITHIN THE SAME INTERIOR SPACE SHALL BE SYNCHRONIZED. (2022 NFPA 72, 16.5.3.1, 16.5.3.6 AND 16.5.5.7)	
23. SMOKE DETECTORS SHALL NOT BE ANY CLOSER THAN 1' FROM FIRE SPRINKLERS OR 3' FROM ANY SUPPLY DIFFUSER. IN AREA OF CONSTRUCTION OR POSSIBLE DAMAGE/CONTAMINATION ON NEWLY INSTALLED FIRE ALARM, DEVICES SHALL BE COVERED UNTIL THAT AREA IS READY TO BE TURNED OVER TO THE OWNER.	
24. LOCATE SMOKE AND HEAT DETECTORS AT LEAST ONE FOOT AWAY FROM FLUORESCENT LIGHT FIXTURES.	
25. CONTRACTOR SHALL AFFIX TO EACH FIELD DEVICE A DEVICE LABEL. DEVICE LABEL SHALL BE ARRANGED FOLLOWING DETAIL "FIRE ALARM CIRCUIT IDENTIFIERS". INITIATION DEVICES CONNECTED TO EQUIPMENT BY OTHERS SHALL HAVE A LABEL AFFIXED TO MODULE INDICATING THE EQUIPMENT CONNECTED.	
26. ALL PENETRATIONS THROUGH RAISED ASSEMBLIES REQUIRING OPENING PROTECTION SHALL BE PROVIDED WITH A PENETRATION FIRE STOP SYSTEM AS IDENTIFIED IN CBC CHAPTER 7, UL OR OTHER APPROVED LAB TESTING CRITERIA. APPROVED TYPES OF MATERIALS SHALL BE IDENTIFIED WITHIN THE PROJECT SPECIFICATIONS WITHIN THE FIRE ALARM SECTION.	
27. UNDERGROUND AND EXTERIOR CONDUITS TO HAVE WATER TIGHT FITTINGS AND WIRE TO BE APPROVED FOR WET LOCATIONS.	
28. PER CEC STANDARDS, ALL WIRING IS TO BE PULLED THROUGH EACH JUNCTION BOX AND CONNECTED DIRECTLY TO EACH FIRE DEVICE. DO NOT SPLICE THE WIRE. ALL BOXES TO BE SIZED PER CEC.	
29. ALL FIRE ALARM CIRCUITS SHALL BE IN CONDUIT OR RACEWAY WHEN PASSING THROUGH A FLOOR OR WALL TO A HEIGHT OF 7 FEET ABOVE THE FLOOR. FIRE ALARM WIRING ABOVE CEILING SHALL BE SUPPORTED BY THE BUILDING STRUCTURE SO AS NOT TO DAMAGE THE CABLE.	
30. NO SPLICES SHALL BE ALLOWED FOR FIRE ALARM SYSTEM UNDERGROUND CABLES.	
31. NEW FIRE ALARM WIRING SHALL NOT BE INSTALLED IN ANY RACEWAY WITH WIRING IN EXCESS OF 24 VOLT.	
32. FIRE ALARM PANEL, REMOTES, AND COMPONENTS SHALL BE SECURED TO MOUNTING SURFACES PER MANUFACTURERS SPECIFICATIONS. NO SINGLE DEVICE SHALL EXCEED 20 LBS. WITHOUT SPECIAL MOUNTING DETAILS.	
33. ALL FIRE ALARM EQUIPMENT BRANCH CIRCUITS SHALL BE DEDICATED AS PER 2022 NFPA 72, 10.6.5.1.2 AND ITS LOCATION BE CLEARLY LABELED AT THE FIRE ALARM CONTROL PANEL.	
34. ALL FIRE ALARM EQUIPMENT POWER SOURCE CIRCUITS SHALL BE IDENTIFIED AT THE POWER SOURCE PER 2022 NFPA 72, 10.6.5.2. USING A RED CLEARLY MARKED DISCONNECT WITH LOCK-ON CAPABILITY. COORDINATE WITH ELECTRICAL.	
35. MICROPHONES ASSOCIATED WITH EMERGENCY VOICE ALARM COMMUNICATION SYSTEMS (EVAC) SHALL BE ACCESSIBLE FOR USE, INSTALLED IN COMPLIANCE WITH CBC SECTIONS 11B-305 AND 11B-308.	
36. WHERE ACCESSIBILITY IS NOT AVAILABLE TO THE NEW FIRE ALARM DEVICES LOCATED ABOVE THE CEILING/ATTIC SPACES, PROVIDE ACCESS PANELS TO THESE DEVICES, COORDINATE PRIOR TO THE EXECUTION OF WORK.	
37. THE CONTRACTOR SHALL PROVIDE AS-BUILT SHOP DRAWINGS INDICATING CIRCUITING OF ALL DETECTOR AS AND OTHER DEVICES IN ALL THE BUILDINGS OF THIS PROJECT. AS-BUILT DRAWINGS SHALL BE STORED IN FIRE ALARM DOCUMENT CABINET INSTALLED ADJACENT TO FIRE ALARM CONTROL PANEL OR LOCATION APPROVED BY AUTHORITY HAVING JURISDICTION.	
38. PROVIDE DOCUMENTATION CABINET TO BE INSTALLED PROXIMAL TO FACP (2022 NFPA 72, 7.7.2.1). ALL RECORD DOCUMENTATION SHALL BE STORED IN THE DOCUMENTATION CABINET (2022 NFPA 72, 7.7.2.3). THE DOCUMENTATION CABINET TO BE PROMINENTLY LABELED "SYSTEM RECORD DOCUMENTS" (2022 NFPA 72, 7.7.2.5).	

EQUIPMENT ANCHORAGE NOTES	
APPLICABLE CODE: 2022 CBC	
MEP COMPONENT ANCHORAGE NOTE	
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA-APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2022 CBC SECTIONS 1617A.1.16 THROUGH 1617A.1.28 AND ASCE 7-16 CHAPTERS 13, 26 AND 30.	
1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. PERMANENTLY ATTACHED SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/200 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE. 3. TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT IS REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.	
THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS. A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.	
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH ABOVE REQUIREMENTS.	
PIPING AND DUCTWORK DISTRIBUTION SYSTEM BRACING NOTES	
APPLICABLE CODE: 2022 CBC	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTIONS 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2022 CBC SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.	
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PRE-APPROVED INSTALLATION GUIDE (E.G., HCA OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): ☐ MP ☐ MD ☐ PP ☐ E OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. OPTION 2: SHALL COMPLY WITH THE APPLICABLE HCA PRE-APPROVAL (OPM#) #, AS INCLUDED IN THESE DRAWINGS WITH PROJECT-SPECIFIC NOTES AND DETAILS.	

GOVERNING CODES & APPLICABLE STANDARDS	
TITLE 24 CODES:	
1.	2022 CALIFORNIA BUILDING STANDARD ADMINISTRATIVE CODE (CAC), (PART 1, TITLE 24, CCR).
2.	2022 CALIFORNIA BUILDING CODE (CBC), VOLUMES 1 AND 2 (PART 2, TITLE 24, CCR), (2021 EDITION INTERNATIONAL BUILDING CODE WITH 2022 CALIFORNIA AMENDMENTS.)
3.	2022 CALIFORNIA ELECTRICAL CODE, (PART 3, TITLE 24, CCR), (2021 EDITION NATIONAL ELECTRICAL CODE WITH 2022 CALIFORNIA AMENDMENTS).
4.	2022 CALIFORNIA MECHANICAL CODE (CMC), (PART 4, TITLE 24, CCR), (2021 EDITION IAPMO UNIFORM MECHANICAL CODE WITH 2022 CALIFORNIA AMENDMENTS).
5.	2022 CALIFORNIA PLUMBING CODE (CPC), (PART 5, TITLE 24, CCR), (2021 EDITION IAPMO UNIFORM PLUMBING CODE WITH 2022 CALIFORNIA AMENDMENTS).
6.	2022 CALIFORNIA ENERGY CODE, (PART 6, TITLE 24, CCR), (2022 EDITION CALIFORNIA ENERGY COMMISSION BUILDING ENERGY EFFICIENCY STANDARDS).
7.	2022 CALIFORNIA FIRE CODE (CFC), (PART 9, TITLE 24, CCR), (2021 EDITION INTERNATIONAL FIRE CODE WITH 2022 CALIFORNIA AMENDMENTS).
8.	2022 CALIFORNIA REFERENCE CODE, (PART 12, TITLE 24, CCR).
REFERENCE CODE SECTIONS FOR APPLICABLE STANDARDS:	
1.	2022 CBC, CHAPTER 36.
2.	2022 CFC, CHAPTER 80.
3.	2022 NFPA 72, AS AMENDED.

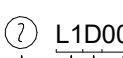
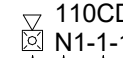
FIRE ALARM MONITORING NOTE	
AUTOMATIC FIRE ALARM SYSTEMS SHALL TRANSMIT THE ALARM, SUPERVISORY AND TROUBLE SIGNALS TO AN APPROVED SUPERVISING STATION AS REQUIRED BY NFPA 72 AS AMENDED BY ARTICLE 91. THE SUPERVISING STATION SHALL BE LISTED AS EITHER UL/FX OR UL/US BY UNDERWRITERS LABORATORY OR SHALL MEET THE REQUIREMENTS OF FACTORY MUTUAL RESEARCH APPROVAL STANDARD 3011. SUPERVISION OF SYSTEM AND LEASED TELEPHONE LINES SHALL BE ARRANGED BY DISTRICT.	

FIRE ALARM DEVICE LEGEND					
SYMBOL	QTY	MANUFACTURER	PART NO	DESCRIPTION	CSFM
	1	EDWARDS	EST4 ASSEMBLY	EST4 MAIN FACP - CONFIGURATION 230209	7165-1657-0186
	2	EDWARDS	12V17A	18 AH BATTERY	7165-1657-0186
	1	EDWARDS	3-SDDC2	SIGNATURE DUAL DRIVER CONTROLLER (LRM)	7165-1657-0186
	1	EDWARDS	4-PPSM	PRIMARY POWER SUPPLY 120V	7165-1657-0186
	1	EDWARDS	SIGA-CC1S	SIGNATURE SINGLE INPUT SIGNAL SYNCHRONIZATION MODULE	7165-1657-0186
	5	EDWARDS	3-2A40B	40 WATT ZONED AMPLIFIER, CLASS B, 25 OR 70VRMS	7165-1657-0186
	1	EDWARDS	4LCDLE	DISPLAY MAIN LCD MODULE	7165-1657-0186
	1	EDWARDS	4-CPU	MAIN CPU	7165-1657-0186
	1	EDWARDS	4-24L24S	CNTRL DISPLAY 24 LED 24 SWITCH	7165-1657-0186
	1	EDWARDS	3-CAB21B	BACK BOX W/ 21 LRM SPACE W/O DOOR	7165-1657-0186
	1	EDWARDS	4-NET-TP	TWISTED PAIR SFP NETWORK CONTROLLER	7165-1657-0186
	1	EDWARDS	4-CAB24DR	RED DOOR ASSEMBLY FOR 3-CAB14	7165-1657-0186
	1	EDWARDS	3-MODCOM	MODEM COMMUNICATOR AND DIALER	7165-1657-0186
	3	MONO SYSTEMS	RACE TRAY	SOLID BOTTOM CABLE TRAY	N/A
	11	EDWARDS	SIGA-270	SINGLE ACTION, SINGLE STAGE FIRE ALARM STATION	7150-1657-0129
	21	EDWARDS	SIGA-CT1	SINGLE INPUT MODULE	7300-1657-0121
	21	EDWARDS	SIGA-CR	CONTROL RELAY MODULE	7300-1657-0121
	55	EDWARDS	SIGA-HRD W/SIGA-SB BASE	HEAT DETECTOR, COMBINATION 135F FIXED WITH 15F/MIN ROR	7270-1657-0333 7300-1657-0120
	68	EDWARDS	SIGA-PD W/SIGA-SB BASE	PHOTOELECTRIC SMOKE DETECTOR	7272-1657-0331 7300-1657-0120
	8	SYSTEM SENSOR	P2RK	2-WIRE HORN STROBE, STANDARD CD, OUTDOOR	7125-1653-0188
	2	SYSTEM SENSOR	P2WL	2-WIRE, HORN STROBE, WHITE	7135-1653-0503
	14	SYSTEM SENSOR	PC2WL	2-WIRE, HORN STROBE, WHITE	7135-1653-0503
	19	SYSTEM SENSOR	SWL	STROBE, WHITE	7125-1653-0504

FIRE ALARM CABLE SCHEDULE					
TYPE	DESCRIPTION	JACKET COAT	SERVES	ENVIRONMENT USE	NOTES
A	2#16 UTP	FPLR, SOLID	RED/BLK	SLC INTELLIGENT LOOP	INTERIOR
B	2#14 UTP	FPLR, SOLID	RED/BLK	NAC STROBE (VISUAL)	INTERIOR
D	2#16 UTP	FPLR, SOLID	RED/BLK	IDC CIRCUIT	INTERIOR
E	4#16 UTP	FPLR, SOLID	RED/BLK	FAA RS485 COMM	INTERIOR
P	2#14 UTP	FPLR, SOLID	RED/BLK	24VDC POWER	INTERIOR
S	4#16 UTP	FPLR, SOLID	RED/BLK	SBUS	INTERIOR
AU	2#16 UTP	WP#AQ225	RED/BLK	SLC ADDRESS LOOP	EXTERIOR/UDGND
BU	2#14 UTP	WP#AQ226	RED/BLK	NAC STROBE (VISUAL)	EXTERIOR/UDGND
DU	2#16 UTP	WP#AQ225	RED/BLK	INITIATE DEVICE CIRCUIT	EXTERIOR/UDGND
EU	4#16 UTP	WP#AQ225	RED/BLK	FAA RS485 COMM	EXTERIOR/UDGND
PU	2#14 UTP	WP#AQ226	RED/BLK	24VDC POWER	EXTERIOR/UDGND

NOTES:
1. ALL CONDUCTORS SHALL BE COPPER AND SOLID - STRANDED CONDUCTOR IS NOT ACCEPTABLE.
2. MINIMUM CONDUIT SIZE IS 3/4" - CONCEALED IN CEILING SPACE OR APPROPRIATE WALLS.
3. ALL SURFACE ROUTED RACEWAYS SHALL BE WIREMOLD OR APPROVED EQUAL.

CABLE ABBREVIATIONS:				
STP	SHIELDED TWISTED PAIR	PA	UTP	PUBLIC ADDRESS
SLC	SIGNAL LINE CIRCUIT	NAC	W/P	UNSHIELDED TWISTED PAIR
NAC	NOTIFICATION APPLIANCE CIRCUIT			WEST PENN (CABLE MANUFACTURER)
IDC	INITIATE DEVICE CIRCUIT			

DEVICE DESIGNATION LEGEND	
EXAMPLE:  L1D001	AUDIBLE / VISUAL DEVICES EXAMPLE:  11C0D
— DEVICE REFERENCE NUMBER	— APPLIANCE CANDELA RATING
— DEVICE TYPE D = DETECTORS M = MODULES	— APPLIANCE REFERENCE NUMBER
— SIGNALING LINE CIRCUIT	— CIRCUIT REFERENCE NUMBER
— DEVICE SYMBOL (SMOKE SENSOR)	— FACP/POWER SUPPLY REFERENCE NUMBER
	— DEVICE SYMBOL (SMOKE SENSOR)

STYLE 4
CLASS B

SCOPE OF WORK AND BUILDING INFORMATION	
1. PROVIDE AND UPDATE THE EXISTING FIRE ALARM SYSTEM TO COVER TENANT IMPROVEMENT FOR EXISTING COSMETOLOGY DEPARTMENT BUILDING. THIS INCLUDED TYING IN THE NEW DEVICES TO TIE-IN TO THE MAIN EXISTING FUNCTIONAL FIRE ALARM SYSTEM.	
OCCUPANCY CLASSIFICATION: B,S-1	
TYPE OF CONSTRUCTION: III-B	
NUMBER OF STORIES: 1 STORY	
SPRINKLER PROTECTION: NO	
ALTERNATIVE PROTECTION: NO	
TYPE OF SYSTEM: AUTOMATIC, MANUAL SYSTEM	

FIRE ALARM SHEET INDEX	
SHEET NUMBER	SHEET NAME
AD2 - FA0-01	FIRE ALARM LEGEND AND NOTES
AD2 - FA3-01	FIRE ALARM CEILING PLAN
AD2 - FA4-01	FIRE ALARM RISE/DIAGRAM
AD2 - FA5-00	FIRE ALARM CALCULATIONS
FA1-01	FIRE ALARM SITE PLAN
FA2-01	FIRE ALARM DEMO FLOOR PLAN
FA9-01	FIRE ALARM DETAILS AND SEQUENCE OF OPERATIONS

KEY NOTES

1. INSTALLING CONTRACTOR TO FIELD VERIFY CONNECTIVITY OF EXISTING DUCT DETECTOR TO FACP. DUCT DETECTOR IN ROOFTOP MECHANICAL UNIT SHALL BE MONITORED VIA MODULE.
2. FIRE SMOKE DAMPER SHALL BE INTEGRATED TO THE NEW FIRE ALARM SYSTEM WITH (1) CONTROL MODULE AND (1) MONITORING MODULE (TYP.) REFERENCE MECHANICAL SCHEDULE ON SHEET M0.01 FOR FSD TYPE.
3. CONNECT CONTROL RELAY TO FIRE GUARD FOR ALL GENDER RESTROOM FOR GUARD RELEASE.
4. ALL EXPOSED FIRE ALARM WIRE ON CEILINGS SHALL BE IN WIRE MOLD (TYP).
5. ALL OUTDOOR WEATHER PROOF SPEAKER STROBES SHALL BE MOUNTED AT 8'0" (TYP).
6. NEW SOLID BOTTOM SURFACE RACEWAY, WALL MOUNTED, PROVIDE RACEWAY, TRANSITION FITTINGS, END COVERS, AND ASSOCIATED JUNCTION ACCESSORIES. SURFACE RACEWAY SHALL BE PAINTED TO MATCH SURROUNDING WALL COLOR (TYP.).
7. ANY FIRE ALARM CONDUCTORS WITHIN WIREMOLD NEED TO BE IN CONDUIT (TYP.).
8. FIRE ALARM MODULES P1-L1-M022, P1-L1-M023, P1-L1-M024, P1-L1-M025, AND P1-L1-M026 ARE STACKED TO MATCH MECHANICAL STACKED FIRE SMOKE DAMPERS. REFERENCE MECHANICAL SHEET M3.01 FOR FURTHER INFORMATION.

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PROJECT

Solano CCD BLDG 1600
MODERNIZATION



SOLANO
COMMUNITY COLLEGE

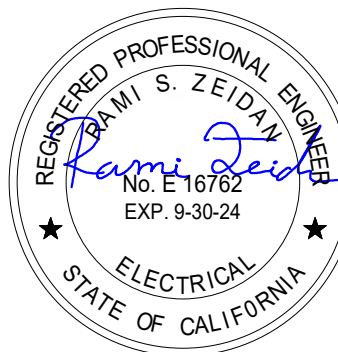
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Job #: 23-2050

STAMP



STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

No.	Description	Date
1	ADD 02	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
75% CD	12.22.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

FIRE ALARM
CEILING PLAN

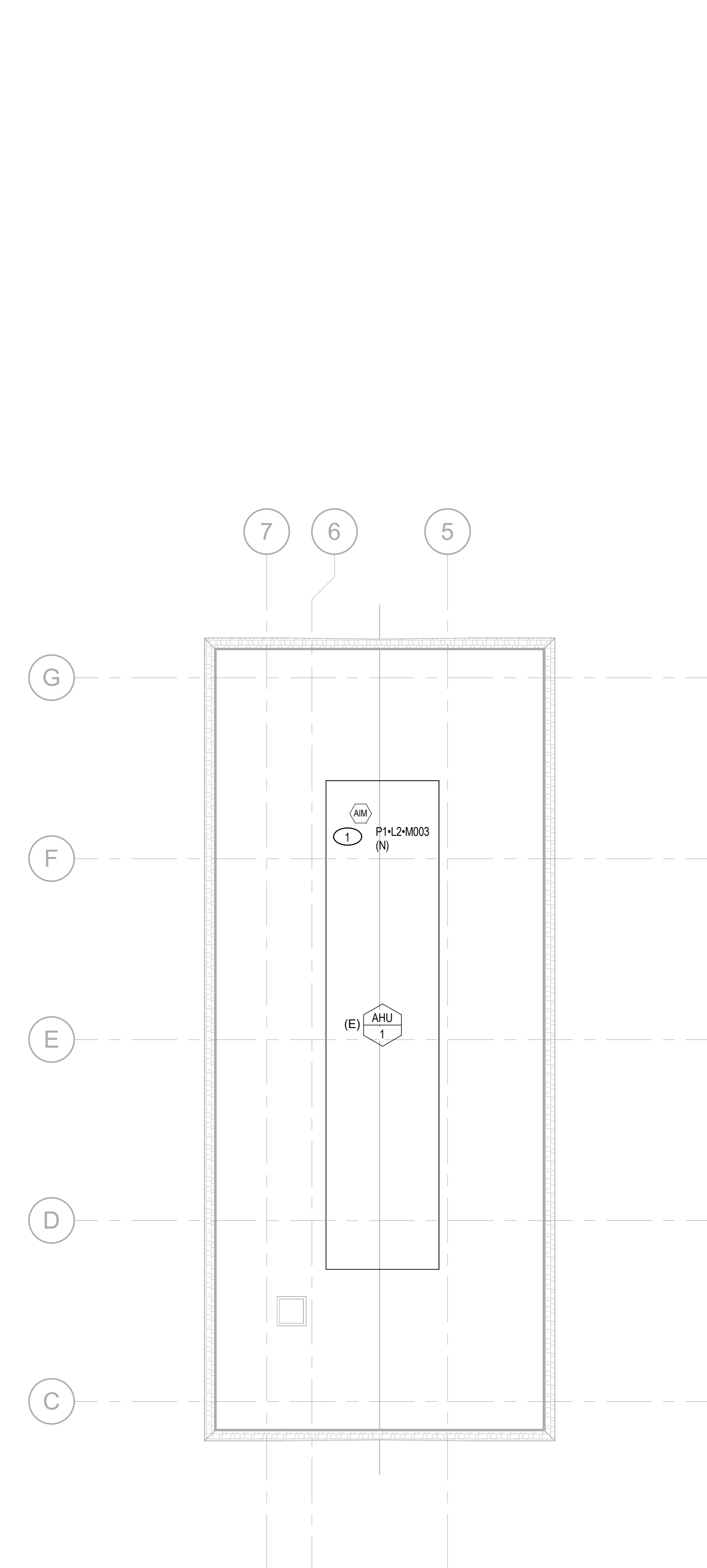
DATE 7.12.24

JOB # 2022047

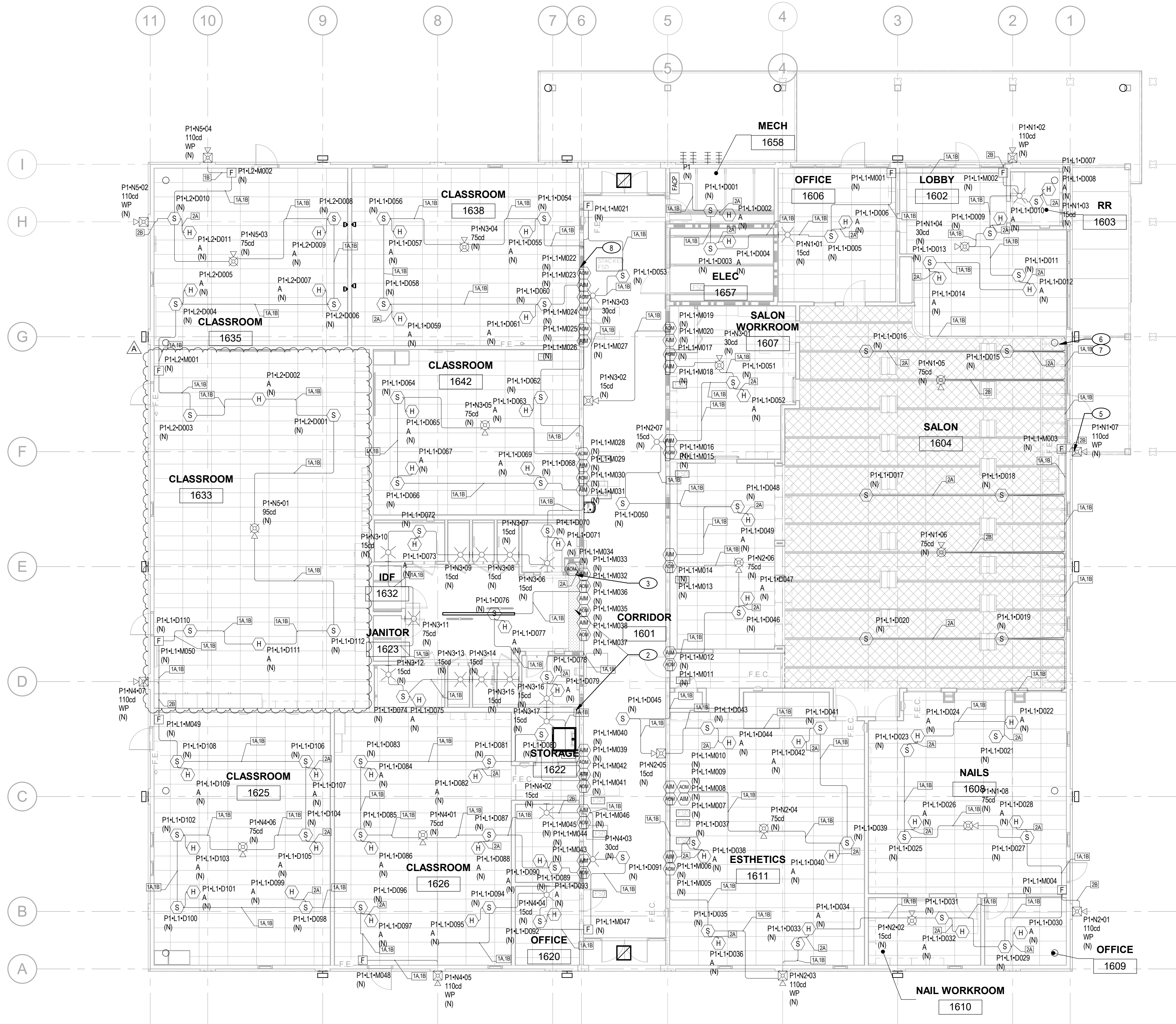
SHEET #

AD2 - FA3.01

7/11/2024 8:26:36 AM



2 FIRE ALARM ROOF PLAN
SCALE: 1/8" = 1'-0"



1 Fire Alarm Reflected Ceiling Plan
SCALE: 1/8" = 1'-0"

PANEL P1 (EST4 ASSEMBLY) BATTERY CALCULATION (SECONDARY POWER SOURCE REQUIREMENTS)								
					STANDBY CURRENT (AMPS)		SECONDARY ALARM CURRENT (AMPS)	
		QTY	PART NO.	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL
PANEL COMPONENTS		2	12V17A	18 Ah Battery	0		0	
		1	3-CAB21B	Back Box w/ 21 LRM Space w/o Door	0		0	
		1	3-MODCOM	Modem Communicator and Dialer	0.06	.06	0.095	.095
		1	3-SDDC2	Signature Dual Driver Controller (LRM)	0.264	.264	0.336	.336
		5	3-2A40B	40 Watt Zoned Amplifier, Class B, 25 or 70Vrms	0.062	.31	2.48	2.4
		1	4-24L24S	CNTRL DISPLAY, 24 LED, 24 SWITCH	0.003	.003	0.0056	.0056
		1	4-CAB24DR	Red Door Assembly for 3-CAB14	0		0	
		1	4-CPU	Main CPU	0.211	.211	0.211	.211
		1	4-LCDLE	DISPLAY/MAIN LCD MODULE	0.04	.04	0.093	.093
		1	4-NET-1P	Twisted Pair SFP network controller	0.032	.032	0.032	.032
		1	4-PPS/M	Primary Power Supply 120V	0		0	
CIRCUIT	SYMBOL	QTY	PART NO	DESCRIPTION	CURRENT DRAW (A)	TOTAL (A)	CURRENT DRAW (A)	TOTAL (A)
P1-L1		9	SIGA-270	Single Action, Single Stage Fire Alarm Station	0.00025	.00225	0.0004	.0036
		21	SIGA-CR	Control Relay Module	0		0	
		20	SIGA-CT1	Single Input Module	0.00025	.005	0.0004	.008
		50	SIGA-HRD w/SIGA-SB BASE	Heat detector, combination 135F fixed with 15F/min ROR	0		0	
		62	SIGA-PD w/SIGA-SB BASE	Photoelectric smoke detector	0		0	
P1-L2		2	SIGA-270	Single Action, Single Stage Fire Alarm Station	0.00025	.0005	0.0004	.0008
		1	SIGA-CT1	Single Input Module	0.00025	.00025	0.0004	.0004
		5	SIGA-HRD w/SIGA-SB BASE	Heat detector, combination 135F fixed with 15F/min ROR	0		0	
P1-N1		6	SIGA-PD w/SIGA-SB BASE	Photoelectric smoke detector	0		0	
		2	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0		0.212	.424
		1	PC2WL	2-Wire, Horn Strobe, White 75cd	0		0.09	.09
		3	PC2WL	2-Wire, Horn Strobe, White 75cd	0		0.143	.429
		2	SWL	Strobe, White 15cd	0		0.06	.12
P1-N2		2	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0		0.212	.424
		1	P2WL	2-Wire, Horn Strobe, White 15cd	0		0.083	.083
		1	PC2WL	2-Wire, Horn Strobe, White 75cd	0		0.071	.071
		2	PC2WL	2-Wire, Horn Strobe, White 75cd	0		0.143	.286
		1	SWL	Strobe, White 15cd	0		0.06	.06
P1-N3		1	P2WL	2-Wire, Horn Strobe, White 15cd	0		0.054	.054
		1	PC2WL	2-Wire, Horn Strobe, White 30cd	0		0.09	.09
		2	PC2WL	2-Wire, Horn Strobe, White 75cd	0		0.143	.286
		11	SWL	Strobe, White 15cd	0		0.06	.66
		1	SWL	Strobe, White 30cd	0		0.063	.063
P1-N4		1	SWL	Strobe, White 75cd	0		0.107	.107
		2	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0		0.212	.424
		2	PC2WL	2-Wire, Horn Strobe, White 75cd	0		0.143	.286
		2	SWL	Strobe, White 15cd	0		0.06	.12
		1	SWL	Strobe, White 30cd	0		0.063	.063
P1-N5		2	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0		0.212	.424
		3	PC2WL	2-Wire, Horn Strobe, White 75cd	0		0.143	.429
					TOTAL STANDBY (A)	528	TOTAL ALARM (A)	8.1784
					REQUIRED STANDBY TIME = 24 HOURS REQUIRED ALARM TIME = 5 MINUTES			
SECONDARY STANDBY LOAD (A)					528	24	22.27	
SECONDARY ALARM LOAD (A)					8.1784	0.08	.51	
STANDBY AND ALARM SUBTOTAL (AMP HOURS)					23.79			
DERATING FACTOR					1.25			
SECONDARY LOAD REQUIREMENTS (AMP HOURS)					29.73			
PROVIDE (2) 12V 55AH BATTERIES								
*BATTERY BOX SIZE CAPACITY NOT SPECIFIED. REFER TO MANUFACTURER DOCUMENTATION								

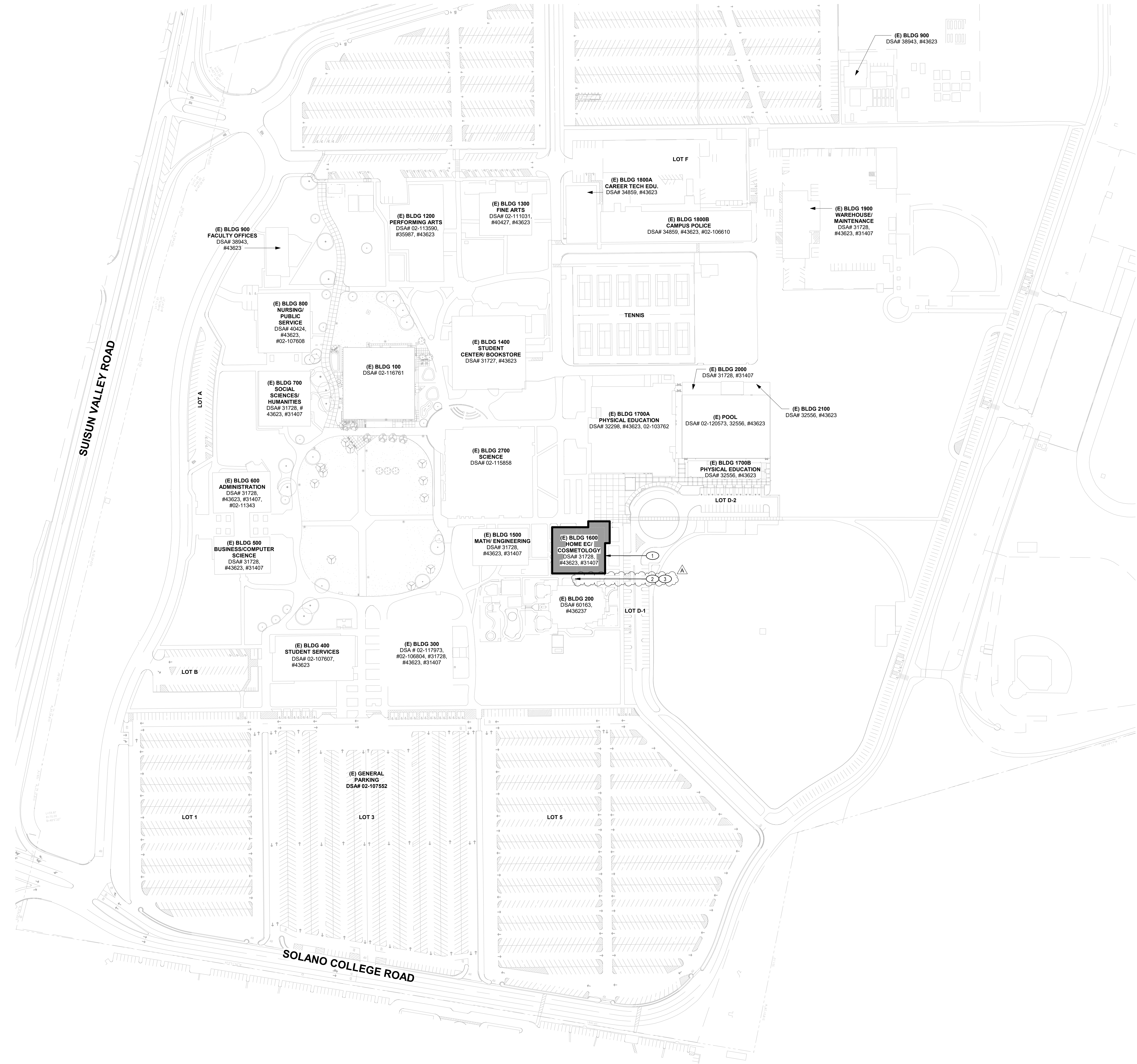
P1 N1 POINT-TO-POINT REPORT							CIRCUIT SETTINGS		TOTALS		
Circuit Wiring Properties: "V" 14/2 FPLPR (NAC) 14 AWG, 2 Cond. Solid Copper FPLPR Analog Unshielded Distance measured using drawn segment lengths with 10.00 % additional length calculated							Starting Calculation Voltage:	20.4	Max. Voltage Drop:	.85	
							Min. Operational Voltage:	16	End Of Line Voltage:	9.55	
							Max. Circuit Current (A):	3.5	Voltage Drop Percent:	4.17 %	
							Wire Resistance (DkFt):	3.07	Total Circuit Current (A):	.063	
							Total Circuit Length (Ft):	249	Spare Current (A):	2.437	
							Total Circuit Resistance (Ω):	1.531945	Spare Current (A) Percent:	69.63 %	
Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent	
P1-N1-01	SWL	Strobe, White 15cd	0.06	.063	23	.141824	.15	.20.25	.15	.74 %	
P1-N1-02	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0.212	.003	47	.288052	.29	9.96	.44	2.16 %	
P1-N1-03	SWL	Strobe, White 15cd	0.06	.791	5	.033468	.03	9.93	.47	2.29 %	
P1-N1-04	PC2WL	2-Wire, Horn Strobe, White 30cd	0.09	.731	15	.090751	.09	9.87	.53	2.61 %	
P1-N1-05	PC2WL	2-Wire, Horn Strobe, White 75cd	0.143	.641	24	.147744	.07	9.87	.63	3.07 %	
P1-N1-06	PC2WL	2-Wire, Horn Strobe, White 75cd	0.143	.498	26	.16255	.08	9.69	.71	3.47 %	
P1-N1-07	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0.212	.355	35	.21775	.08	9.61	.79	3.85 %	
P1-N1-08	PC2WL	2-Wire, Horn Strobe, White 75cd	0.143	.143	73	.449496	.06	9.55	.85	4.17 %	

Calculation Methods:
Resistance From Previous (Ω) = Wire Resistance (DkFt) x 2 x Dist. From Previous (Ft)
Voltage Drop From Previous = Resistance From Previous (Ω) x Remaining Current (A)

P1 N2 POINT-TO-POINT REPORT							CIRCUIT SETTINGS		TOTALS		
Circuit Wiring Properties: "V" 14/2 FPLPR (NAC) 14 AWG, 2 Cond. Solid Copper FPLPR Analog Unshielded Distance measured using drawn segment lengths with 10.00 % additional length calculated							Starting Calculation Voltage:	20.4	Max. Voltage Drop:	.37	
							Min. Operational Voltage:	16	End Of Line Voltage:	9.03	
							Max. Circuit Current (A):	3.5	Voltage Drop Percent:	6.71 %	
							Wire Resistance (DkFt):	3.07	Total Circuit Current (A):	.024	
							Total Circuit Length (Ft):	347	Spare Current (A):	2.576	
							Total Circuit Resistance (Ω):	2.12768	Spare Current (A) Percent:	73.60 %	
Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent	
P1-N2-01	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0.212	.924	172	.854394	.97	9.43	.97	4.78 %	
P1-N2-02	PC2WL	2-Wire, Horn Strobe, White 15cd	0.071	.712	26	.159563	.11	9.31	.09	5.33 %	
P1-N2-03	P2RK	2-Wire Horn Strobe, Standard cd, Outdoor 110cd	0.212	.641	28	.16885	.11	9.2	.2	5.86 %	
P1-N2-04	PC2WL	2-Wire, Horn Strobe, White 75cd	0.143	.429	25	.151938	.07	9.14	.26	6.18 %	
P1-N2-05	P2WL	2-Wire, Horn Strobe, White 15cd	0.083	.286	27	.162726	.05	9.09	.31	6.41 %	
P1-N2-06	PC2WL	2-Wire, Horn Strobe, White 75cd	0.143	.203	40	.248194	.05	9.04	.36	6.66 %	
P1-N2-07	SWL	Strobe, White 15cd	0.06	.06	30	.182105	.01	9.03	.37	6.71 %	

Calculation Methods:
Resistance From Previous (Ω) = Wire Resistance (DkFt) x 2 x Dist. From Previous (Ft)
Voltage Drop From Previous = Resistance From Previous (Ω) x Remaining Current (A)

P1 N3 POINT-TO-POINT REPORT							CIRCUIT SETTINGS		TOTALS		
Circuit Wiring Properties: "V" 14/2 FPLPR (NAC) 14 AWG, 2 Cond. Solid Copper FPLPR Analog Unshielded Distance measured using drawn segment lengths with 10.00 % additional length calculated							Starting Calculation Voltage:	20.4	Max. Voltage Drop:	.25	
							Min. Operational Voltage:	16	End Of Line Voltage:	9.15	
							Max. Circuit Current (A):	3.5	Voltage Drop Percent:	6.12	
							Wire Resistance (Dk/Ft):	3.07	Total Circuit Current (A):	.26	
							Total Circuit Length (Ft):	245	Spare Current (A):	2.24	
							Total Circuit Resistance (Ω):	1.503087	Spare Current (A) Percent:	64.06	
Device Label	Part No.	Description	Device Current (A)	Remaining Current (A)	Dist. From Previous (Ft)	Resistance From Previous (Ω)	Voltage Drop From Previous	Voltage At Device	Total Voltage Drop	Voltage Drop Percent	
P1-N3-01	PC2WL	2-Wire, Horn Strobe, White 30cd	0.09	.26	34	.208977	.26	20.14	.26	.29	
P1-N3-02	P2WL	2-Wire, Horn Strobe, White 15cd	0.054	.17	26	.16057	.19	9.95	.45	2.21	
P1-N3-03	SWL	Strobe, White 30cd	0.063	.116	16	.098808	.11	9.84	.56	2.75	
P1-N3-04	PC2WL	2-Wire, Horn Strobe, White 75cd	0.143	.053	26	.157803	.17	9.67	.73	3.57	
P1-N3-05	PC2WL	2-Wire, Horn Strobe, White 75cd	0.143	.91	30	.186661	.17	9.5	.9	4.40	
P1-N3-06	SWL	Strobe, White 15cd	0.06	.767	32	.196617	.15	9.35	.05	5.14	
P1-N3-07	SWL	Strobe, White 15cd	0.06	.707	7	.042998	.03	9.32	.08	5.28	
P1-N3-08	SWL	Strobe, White 15cd	0.06	.647	7	.043338	.03	9.29	.11	5.49	
P1-N3-09	SWL	Strobe, White 15cd	0.06	.587	1	.003096		9.29	.11	5.43	
P1-N3-10	SWL	Strobe, White 15cd	0.06	.527	13	.082493	.04	9.25	.15	5.65	
P1-N3-11	SWL	Strobe, White 75cd	0.107	.467	11	.068675	.03	9.22	.18	5.81	
P1-N3-12	SWL	Strobe, White 15cd	0.06	.36	10	.059417	.02	9.19	.21	5.91	
P1-N3-13	SWL	Strobe, White 15cd	0.06	.3	15	.089111	.03	9.17	.23	6.04	
P1-N3-14	SWL	Strobe, White 15cd	0.06	.24	0	.002955		9.17	.23	6.05	
P1-N3-15	SWL	Strobe, White 15cd	0.06	.18	7	.043479	.01	9.16	.24	6.08	
P1-N3-16	SWL	Strobe, White 15cd	0.06	.12	9	.052375	.01	9.15	.25	6.12	
P1-N3-17	SWL	Strobe, White 15cd	0.06	.06	1	.004714		9.15	.25	6.12	



TECHNOLOGY GENERAL SHEET NOTES

- REFER TO ARCHITECTURAL DRAWINGS FOR ALL BUILDING PLANS AND DIMENSIONS.
- REFER TO ELECTRICAL DRAWINGS FOR ALL TECHNOLOGY POWER CIRCUIT REQUIREMENTS.
- CONTRACTOR SHALL UTILIZE 3-DIMENSION TECHNOLOGY REVIT BIM MODEL FOR TRADES COORDINATION IN CONSTRUCTION. SYSTEMS INSTALLATION SHALL BE IN GENERAL PLACEMENT OF DESIGN AS SHOWN ON APPROVED CONSTRUCTION DRAWINGS AND/OR REVIT BIM MODELS.
- ALL EQUIPMENT SHOWN ON CONSTRUCTION DOCUMENTS IS TO BE NEW, CONTRACTOR FURNISHED/CONTRACTOR INSTALLED UNLESS SPECIFIED ON DRAWINGS AND/OR SCHEDULES.
- ALL TECHNOLOGY SYSTEMS MUD RINGS SHALL BE PAINTED BLUE FOR A PRE-SHEETROCK INSPECTION OF IN-WALL INFRASTRUCTURE.
- ALL EXPOSED CONDUITS SHALL BE PRIMED WHITE AND PAINTED TO MATCH SURROUNDING AREA.
- NETWORK STATION CABLING SHALL BE TERMINATED IN PATCH PANEL(S) IN SEQUENTIAL ORDER OF ROOM NUMBER, DROP ID. CABLES SHALL BE MACHINE LABELED AT PATCH PANEL FACE, AND AT CATEGORY CABLE (BOTH ENDS AS SHOWN ON DETAILS/SPECIFICATIONS).

KEY NOTES

- NEW 12-STRAND OS2 FIBER OPTIC FROM EXISTING CAMPUS MDF TO BUILDING 1600 NEW IDF LOCATED AT ROOM 1632. UTILIZE EXISTING FIBER OPTIC PATHWAYS FOR NEW CABLE TO NEW BUILDING IDF LOCATION.
- DEMO (E) 100-PAIR COOPER FEED TO 1600 AND 200. RE-FEED 1 EA. 25-PAIR FROM (N) IDF IN BLDG 1600 TO (E) IDF IN BLDG 200.
- NEW 2 EA. 2" UNDERGROUND CONDUITS FROM (N) IDF AT BLDG 1600 TO (E) IDF AT BLDG 200.

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PROJECT

Solano CCD BLDG 1600
MODERNIZATION



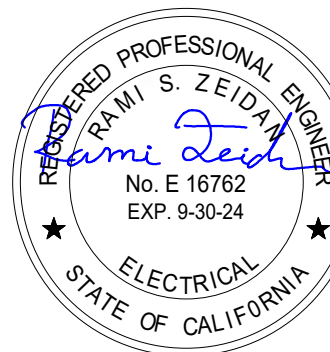
SOLANO COMMUNITY COLLEGE DISTRICT

CONSULTANT



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Job #: 23-2050

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STATE

DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

No.	Description	Date
A	ADD 02	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
75% CD	12.22.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

TECHNOLOGY SITE
PLAN

DATE 7.12.24

JOB # 2022047

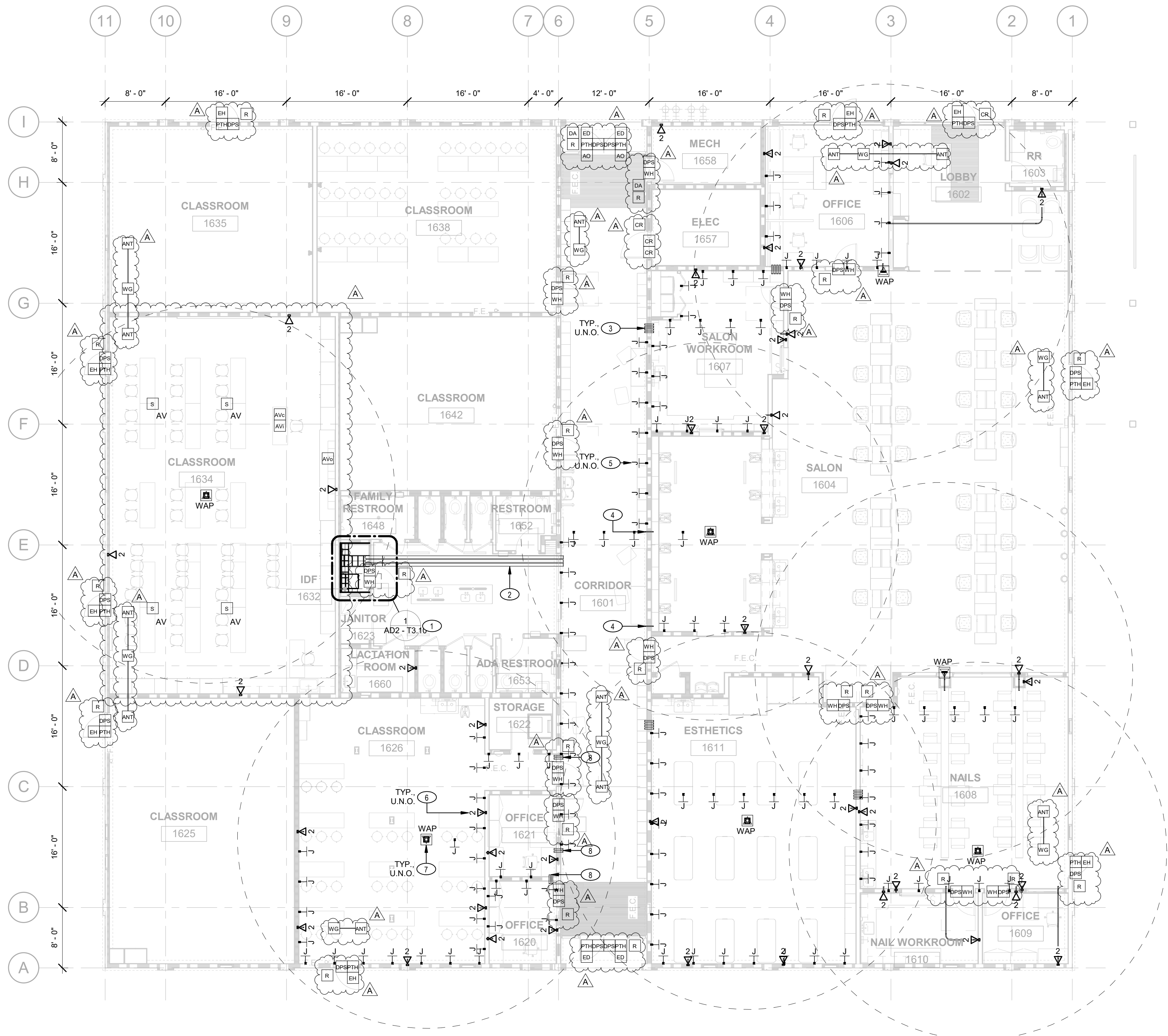
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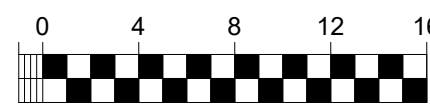
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1 TECHNOLOGY SITE PLAN

SCALE: 1" = 100'-0"



1 TECHNOLOGY FLOOR PLAN
SCALE: 1/8" = 1'-0"



- TECHNOLOGY GENERAL SHEET NOTES
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 7. NETWORK STATION CABLING SHALL BE TERMINATED IN PATCH PANEL(S) IN SEQUENTIAL ORDER OF ROOM NUMBER. DROP ID, CABLES SHALL BE MACHINE LABELED AT PATCH PANEL FACE, AND AT CATEGORY CABLE (BOTH ENDS AS SHOWN ON DETAILS/SPECIFICATIONS).

KEY NOTES

1. NEW IDF EQUIPMENT RACK, WALL MOUNTED WITH VERTICAL WIRE MANAGEMENT AT BOTH SIDES. PROVIDE 1 EA. 220VAC/30A AND 1 EA. 120VAC DEDICATED CIRCUIT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
2. NEW 3 EA. 4" MAIN HORIZONTAL CONDUITS. CAULK AND SEAL ALL SLEEVE ROUGH-IN GAPS, AND OPENINGS IN ACCORDANCE WITH REQUIRED FIRE RATINGS.
3. NEW 4 EA. 2" CONDUIT SLEEVES. CAULK AND SEAL ALL SLEEVE ROUGH-IN GAPS, AND OPENINGS IN ACCORDANCE WITH REQUIRED FIRE RATINGS.
4. NEW 1 EA. 1" CONDUIT SLEEVE. CAULK AND SEAL SLEEVE ROUGH-IN GAPS, AND OPENINGS IN ACCORDANCE WITH REQUIRED FIRE RATINGS.
5. NEW OPEN ENDED NON-CONTINUOUS PATHWAY J-HOOKS W/ COLOR CLIP, WALL MOUNTED. J-HOOKS SHALL BE SPACED STAGGERED AT 36"-MIN. - 60"-MAX. SPACING.
6. NEW WALL NETWORK DATA / VOICE WORK AREA OUTLET (RJ45-F). PROVIDE JACK QTY. AS NOTED ON PLANS. INSTALL HORIZONTAL PATHWAYS, CATEGORY CABLING, JACKS, ALL ASSOCIATED EQUIPMENT AND CABLE LABELS, AND TEST PERMANENT LINK. CABLES SHALL MAINTAIN PROPER BEND RADIUS AND BE KINK-FREE.
7. NEW CEILING WIRELESS ACCESS POINT STATION DROP (RJ45-F). PROVIDE 2 EA. CABLES AT ALL LOCATIONS. INSTALL HORIZONTAL PATHWAYS, CATEGORY CABLING, JACKS, ALL ASSOCIATED EQUIPMENT AND CABLE LABELS, AND TEST PERMANENT LINK. CABLES SHALL MAINTAIN PROPER BEND RADIUS AND BE KINK-FREE.
8. NEW 2 EA. 2" CONDUIT SLEEVES. CAULK AND SEAL SLEEVE ROUGH-IN GAPS, AND OPENINGS IN ACCORDANCE WITH REQUIRED FIRE RATINGS.

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PROJECT

**Solano CCD BLDG 1600
MODERNIZATION**



SOLANO
COMMUNITY COLLEGE

SOLANO COMMUNITY
COLLEGE DISTRICT

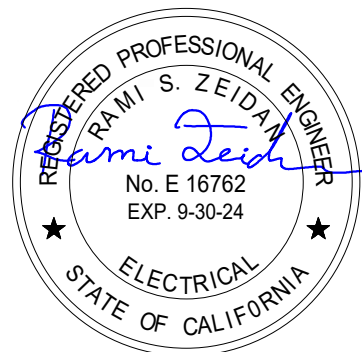
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REVISIONS

No.	Description	Date
A	ADD 02	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
75% CD	12.22.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

**TECHNOLOGY
FLOOR FLOOR
PLAN**

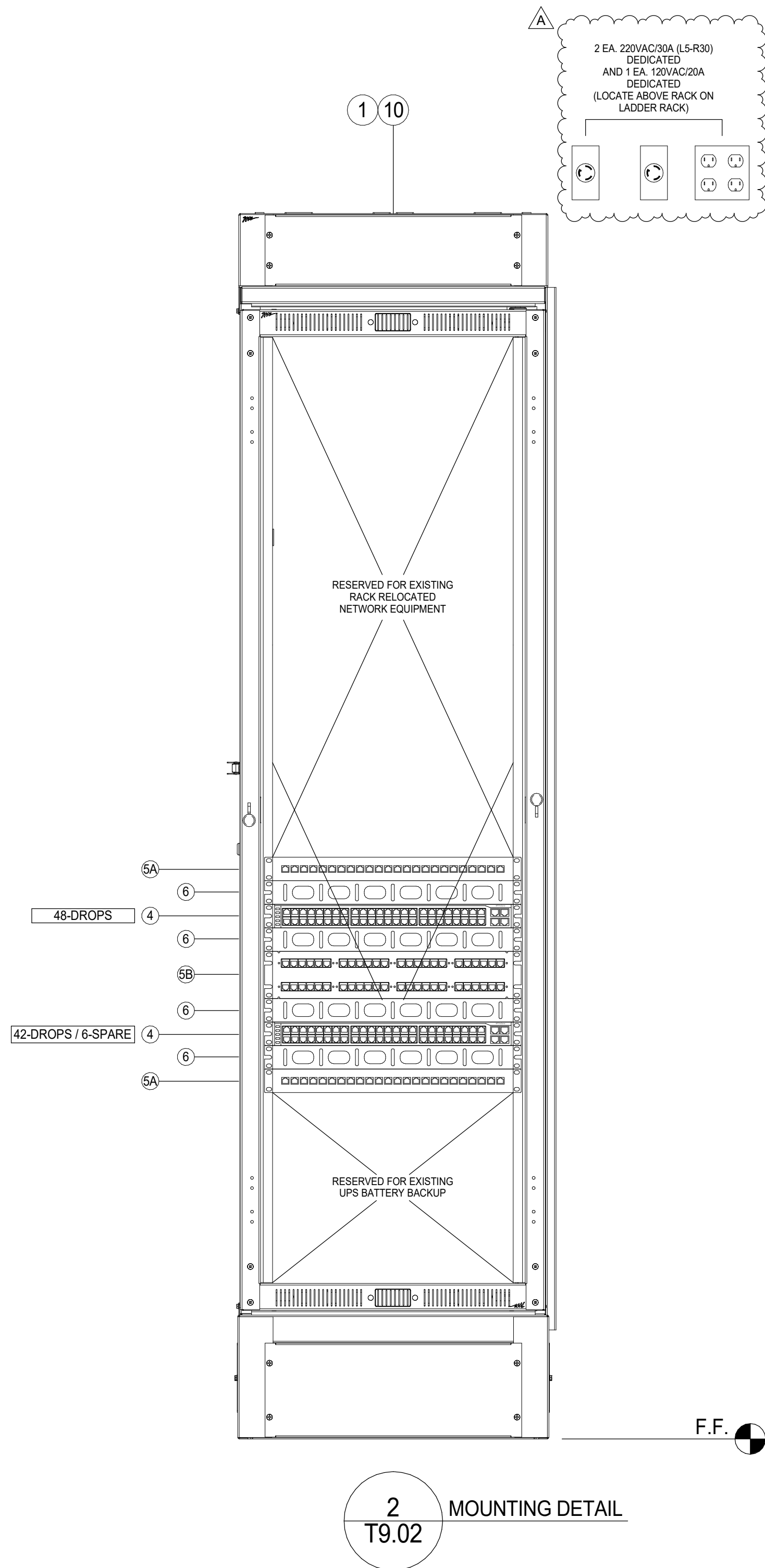
DATE **7.12.24**

JOB # **2022047**

SHEET #

AD2 - T3.01

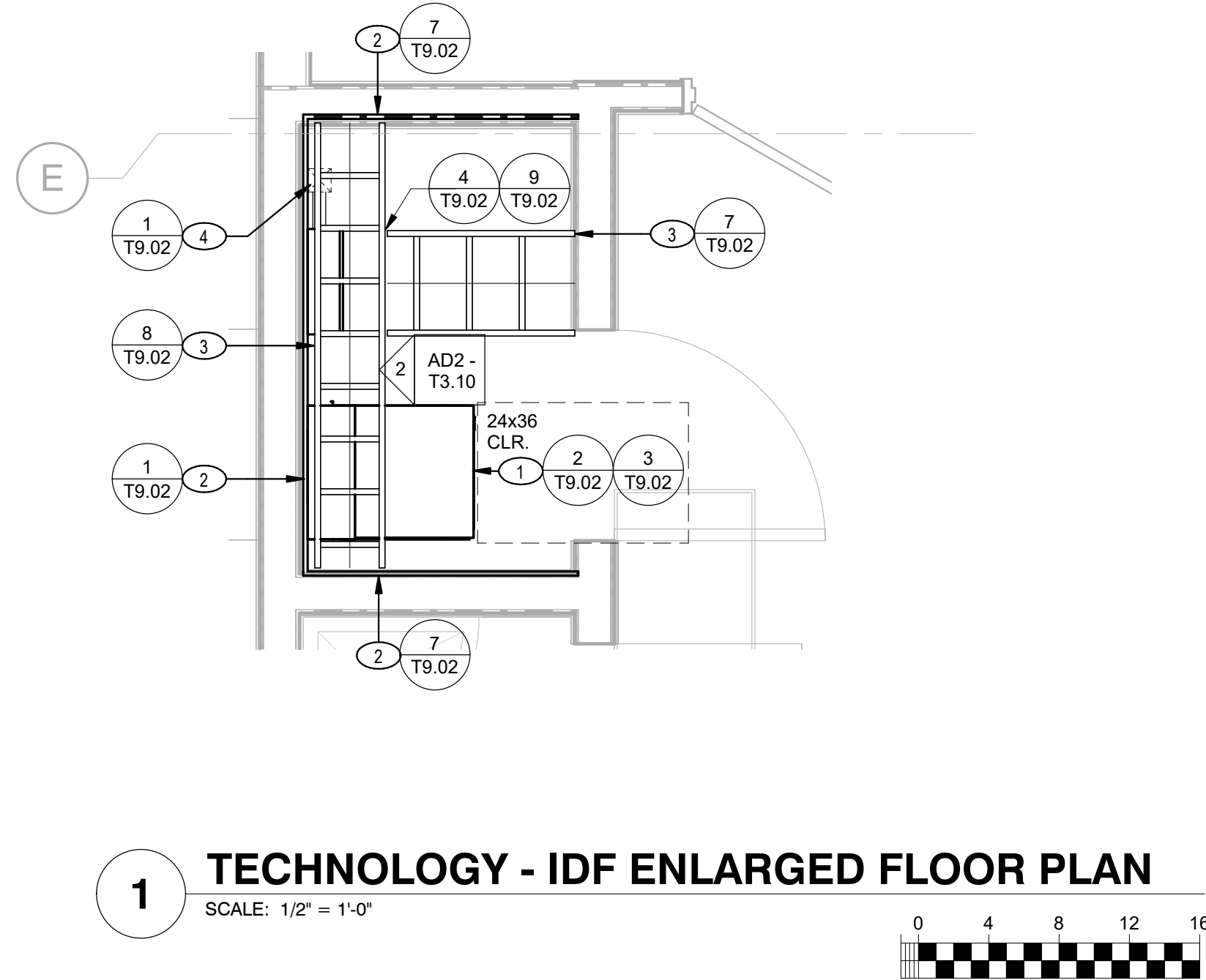
EQUIPMENT SCHEDULE				
TAG ID	DESCRIPTION	MANUFACTURER	MODEL/PART NUMBER	MAX. LOAD
①	TECHNOLOGY WALL SWING RACK, 40RU	MIDDLE ATLANTIC	SR-40-32	500 LBS.
②A	FIBER LIU	REUSE EXISTING	REUSE EXISTING	N/A
②B	OS2 ADAPTER CASSETTE FOR ABOVE, TYPE LC	REUSE EXISTING	REUSE EXISTING	N/A
③	MAIN DATA ROUTER/SWITCH - 4 RU	OWNER FURNISHED/ OWNER INSTALLED		N/A
	FIBER GBIC MODULE, LC (2 EA)			N/A
④	DATA SWITCH - 1 RU, 48 PORT POE+			N/A
	FIBER GBIC MODULE, LC (2 EA)			N/A
⑥A	PATCH PANEL - 1 RU WITH REAR WIRE MANAGER (24-PORT)	LEVITON	40255-H24	N/A
⑥B	PATCH PANEL - 2 RU WITH REAR WIRE MANAGER (48-PORT)	LEVITON	40255-H48	N/A
⑤	HORIZONTAL WIRE MANAGER	LEVITON	401RU-HFR	N/A
⑦	UPS - 2 RU (120VAC/30A)	REUSE EXISTING	REUSE EXISTING	N/A
	NETWORK MANAGEMENT CARD	REUSE EXISTING	REUSE EXISTING	N/A
⑧	HORIZONTAL POWER DISTRIBUTION BAR	LEVITON	P1002-1/0L	N/A
⑨	NOT USED	-		N/A
⑩	1RU VENTED BLANK PANEL	MIDDLE ATLANTIC	VT1	N/A
⑪	1RU BLANK PANEL	MIDDLE ATLANTIC	EB1	N/A
⑫	2RU BLANK PANEL	MIDDLE ATLANTIC	EB2	N/A



IDF-1.# RACK ELEVATION AND EQUIPMENT SCHEDULE

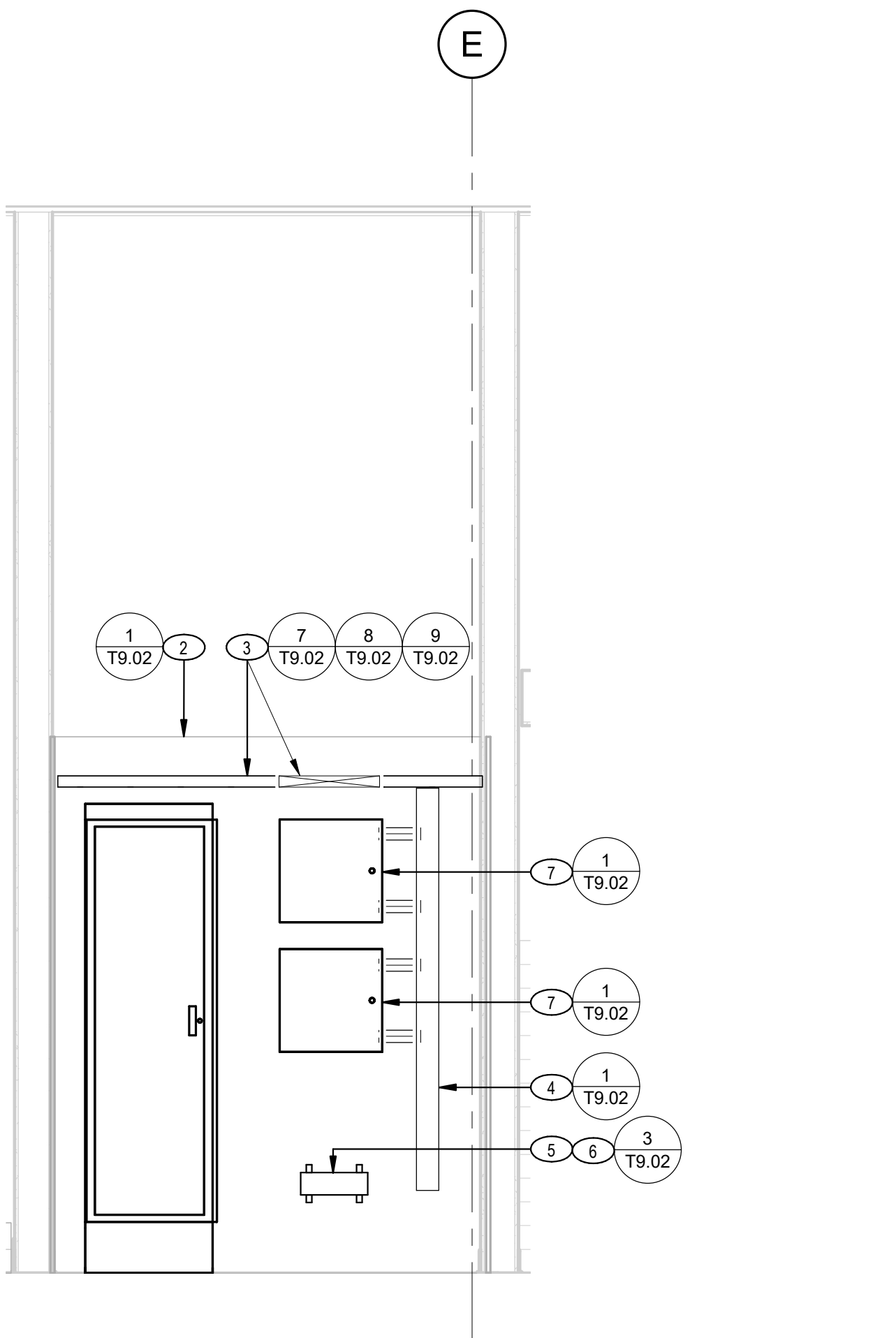
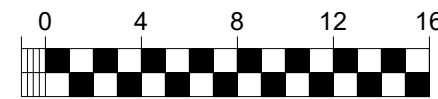
SCALE:
N/A

3



TECHNOLOGY - IDF ENLARGED FLOOR PLAN

SCALE: 1/2" = 1'-0"



TECHNOLOGY - IDF WALL ELEVATION

SCALE: 1/2" = 1'-0"



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 - NETWORK STATION CABLING SHALL BE TERMINATED IN PATCH PANEL(S) IN SEQUENTIAL ORDER OF ROOM NUMBER, DROP ID. CABLES SHALL BE MACHINE LABELED AT PATCH PANEL FACE, AND AT CATEGORY CABLE (BOTH ENDS AS SHOWN ON DETAILS/SPECIFICATIONS).

KEY NOTES

- NEW IDF EQUIPMENT RACK, WALL MOUNTED WITH VERTICAL WIRE MANAGEMENT AT BOTH SIDES. PROVIDE 1 EA. 220VAC/30A AND 1 EA. 120VAC DEDICATED CIRCUIT. SEE ELECTRICAL DRAWINGS FOR ADDITIONAL INFORMATION.
- NEW UNUSED 4'X8'X3/4" FIRE RATED PLYWOOD, PAINTED COLOR: "WHITE" (2-COATS). CUT PLYWOOD TO FIT LENGTH OF ALL MDF WALLS. RATED PLYWOOD "AC" GRADE SIDE SHALL BE FACING THE INTERIOR OF THE ROOM AND ALL FIRE RATED MARKINGS SHALL NOT BE PAINTED.
- NEW OVERHEAD 12"-WIDE LADDER RACK, COLOR: "BLACK".
- NEW 6"X6" METAL CABLE GUTTER WITH COVER.
- NEW LOW VOLTAGE TECHNOLOGY GROUND BUS BAR. GROUND LOW VOLTAGE TECHNOLOGY BUS BAR TO MAIN ELECTRICAL SYSTEM. SEE ELECTRICAL DOCUMENTS FOR ADDITIONAL INFORMATION.
- ALL LOW VOLTAGE TECHNOLOGY EQUIPMENT AND PATHWAYS SHALL BE GROUNDED AND BONDED IN ACCORDANCE WITH ANSI/TIA-607.
- NEW 18"X18"X6" NEMA1 WALL / CEILING MOUNTED PULL BOX WITH HINGED LOCKING LID.

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PROJECT

Solano CCD BLDG 1600
MODERNIZATION



SOLANO
COMMUNITY COLLEGE

SOLANO COMMUNITY
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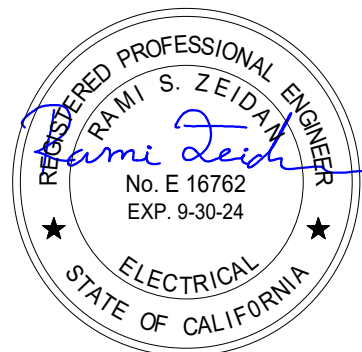
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DSA FILE NUMBER 48-C1
APPL # 02-122010

REVISIONS

No.	Description	Date
A	ADD 02	07/12/24

MILESTONES

SD	08.16.2023
DD	10.18.2023
50% CD	11.17.2023
75% CD	12.22.2023
90% CD	01.05.2024
DSA SUB	05.17.2024

SHEET

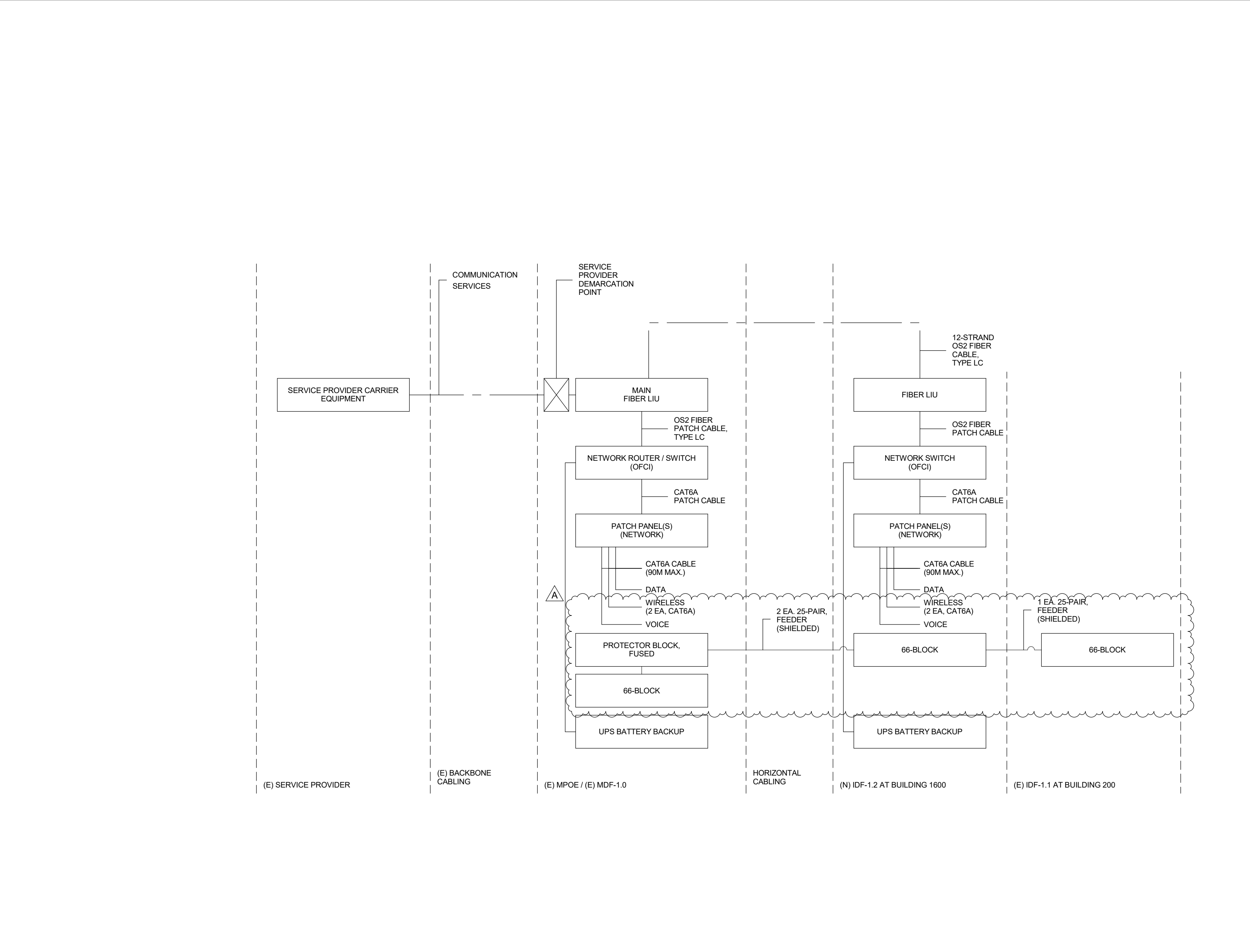
TECHNOLOGY
ENLARGED IDF
FLOOR PLAN AND
RACK ELEVATION

DATE 7.12.24

JOB # 2022047

SHEET #

AD2 - T3.10



TECHNOLOGY NETWORK
ONE-LINE SCHEMATIC

SCALE:
N/A

1



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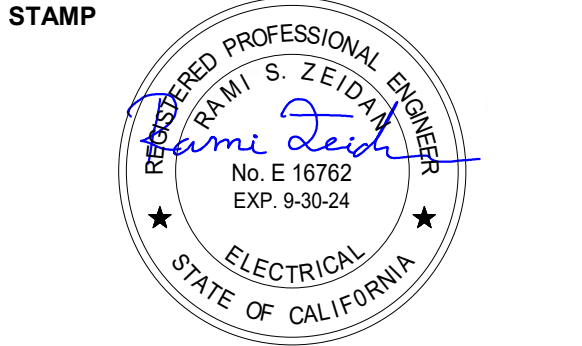


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SHEET
TECHNOLOGY
ONE-LINES

DATE 7.12.24
JOB # 2022047
SHEET #
AD2 - T4.01

