



## **ADDENDUM NO. 2**

DATE: **April 19, 2024**

TO: Prospective Bidders – **BID 2324-014 Bldg. 611 Sitework**

FROM: Kimberly Castagnola  
Purchasing/Contract Supervisor

### **QUESTION RESPONSE:**

All questions timely received have been responded to in the following pages. If a submission was made and is not listed, please contact [bids@sdcoe.net](mailto:bids@sdcoe.net).

### **BID DUE DATE CHANGE:**

The date for bid submission has been extended to **Tuesday April 30, 2024 at 10:00 AM.**

Remainder of Specification unchanged.

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This addendum consists of 50 pages in total

## ADDENDUM NUMBER TWO

**BID NO. 2324-014**

**SDCOE Paving Bldg. 611**

SAN DIEGO COUNTY OFFICE OF EDUCATION  
COUNTY OF SAN DIEGO, CALIFORNIA

April 18, 2024

Architect's Project Number: OECAC03

**General:** All project documents including contract documents, drawings and specifications shall remain unchanged, except for those elements added, revised, deleted, or clarified by this Addendum. In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern. Acknowledge receipt of Addenda Number One in the appropriate spot on the Bid Form.

**ITEM NO. 1** [REDACTED] INTENTIONALLY REMOVED

### **ITEM NO. 2** Questions from Bidders RFI-1

1. *The new Canopy has plaster on it. The paint spec notes Elastomeric paint for plaster without integral Color. There is no plaster spec and the drawings do not specify color. Please clarify does the plaster has integral color or paint and is the paint Elastomeric?*

**MGPA Response:** Specification Sections 09 2200 LATH AND PLASTER, and 09 9100 PAINTING have been attached as part of the project. The color of the canopy plaster shall be DE6369 Legendary Gray by Dunn-Edwards, and the touch-up paint for the existing building shall be DEC795 Gray Pearl

2. *The metal handrails and steel columns for the canopy are galvanized and no finish schedule is provided so please confirm the exterior galvanized metal does not paint.*

**MGPA Response:** Drawings have been revised to remove Hot dip galvanizing. See Section 09 9100 PAINTING, for paint type on metal surfaces. Provide colors shown on drawings.

3. *The Pavement Markings spec is asking for shop drawings for Playground Markings. It does not look like any playground markings are part of this project. Please confirm that the only pavement markings are the two ADA parking stalls.*

**MGPA Response:** Correct, the only pavement markings are the two ADA parking stalls at the North side. Shop drawings for pavement markings are not required.

4. *Demo plan A-1.1 shows one Existing Rumble Strip in the Asphalt Paving. There are two Rumble Strips. The New plans do not show these two strips either. Please clarify if one of these strips is to be removed and asphalt patched or leave both strips in place.*

**MGPA Response:** Correct, one Rumble Strip in the asphalt paving is to be removed and the asphalt is to be patched and resurfaced, see revised sheets A-1.1 and A-1.2, notes added.

5. *There are some metal conduits just above ground level in the planter area on the North side of the building that are not shown on the drawings. These might be in the new concrete so please clarify are these to be abandoned or removed.*

**MGPA Response:** Keynote 14 has been added to Revised Sheet A-1.1. These are to cap and abandon in place. Demolish existing conduits in conflict with new work.

6. *There are some PVC conduits on the North side of the building at the building edge not shown on the demo plan. Please clarify are these to be cut off below grade and abandoned or extended above the new concrete.*

**MGPA Response:** Keynote 14 has been added to Revised Sheet A-1.1. These are to cap and abandon in place. Demolish existing conduits in conflict with new work.

7. *Keynote #2 on A-1.2 calls for a handrail per details on Ad6.1. Those details show a 1' wide footing for the handrails but the handrail is in a 6" wide curb. Please clarify how the 1' wide footing will integrate into a 6" wide curb.*

**MGPA Response:** See revised details on Revised Sheets Ad6.1, Ad6.2 and Ad6.3

8. *Drawing page AS-0.1 has 15 Keynotes. Some state "Existing". Please clarify are the Keynotes 4,5,7,10,13, and 15 Existing or required to be installed by Contractor. If these are new please provide information on:*

**MGPA Response:** See revised Sheet AS-0.1. All keynotes are referencing existing appurtenances.

- 8.1 *The General Notes on AS-0.1 #1, states to patch and repair all existing concrete flooring. This General Note is Un-Quantifiable. Please provide information on the type of patch/repair and where these are located, and the quantity/size of repair.*

**MGPA Response:** See revised General Note 1 on Revised Sheet AS0.1 which has been changed to repair or replace existing items damaged by Contractor during Construction.

- 8.2 *General Note #3 calls out to coordinate with Structural, and MEP plans for Demolition required. There are no Structural or Mechanical or Plumbing or Electrical drawings. Please clarify what work is associated with these missing drawings.*

**MGPA Response:** See revised General Notes 3 on Revised Sheet AS0.1 which has been modified to eliminate reference to Structural, Mechanical, Plumbing or Electrical disciplines.

- 8.3 *Demo Keynote #7 on A-2.1 "Demolish existing signal" Please provide information on this Signal so we know what's needed for removal.*

**MGPA Response:** See revised Keynote 7 on revised Sheet A-2.1 for clarification.

- 8.4 *Keynote #8 on A-2.1 "Existing roof drain to remain, Protect in Place". It looks like this roof drain is in conflict with the new ramp as this elevation is being raised. Please confirm this roof drain is not in conflict with the new ramp.*

**MGPA Response:** Unclear which roof drain is being referenced, but, all existing roof drains are to remain.

- 8.5 *Elevation 11/A-2.1 keynote #7 is to Demo existing Signal but is pointing to the ground or foundation. Please clarify what item #7 in detail 11 on A-2.1 is.*

**MGPA Response:** See revised Keynote 7 on revised Sheet A-2.1 for clarification.

- 8.6 *Drawing page A-1.2 shows new landscaping and new flat work. It does not show any irrigation to any of the new plants. Please clarify no irrigation is needed or provide irrigation drawings.*

**MGPA Response:** See new Sheet L-1.1 LANDSCAPE PLAN. This plan is provided for reference mostly. The contractor's only scope of work on this sheet is to provide irrigation sleeves under new paving. All landscaping and irrigation will be provided by others.

- 8.7 *Drawing page A-1.2, keynote #14, calls out new 4" thick Slab per detail 2/Ad6.1. Detail 2/Ad6.1 calls out 2" gravel/plastic membrane/2" gravel. Please confirm if this outside sidewalk really requires the gravel and plastic membrane.*

**MGPA Response:** See revised Detail 2/Ad6.1 on revised Sheet Ad6.1. Gravel and membrane have been omitted.

- 8.8 *Drawing Page Ad6.2, detail 16 calls out detail 5/- (same page). Detail 5 shows the steel column embedded in a footing. Detail #18 on Ad6.2 shows the same columns for the roof support. Detail #18 is calling out keynote 6 & 8 for the same columns as shown in detail 16, the difference is detail 18 is calling out the bases of the column to be per detail #10, which is showing a base plate and threaded rod for anchorage. Please advise which details to follow for the steel columns for the new canopy.*

**MGPA Response:** See new Sheet Ad6.3 for revised canopy details. The column sizes, footings have been changed and clarified.

- 8.9 *Detail 10 on Ad6.2 is calling for a 6" round Steel Column. Keynote #8 is calling for a 2x6 Steel Column.*

**MGPA Response:** There are two different column sizes as shown on new Sheet Ad6.3

- 8.10 *Detail 5 on Ad6.2 is calling out a concrete slab per 20/Ad6.1 There is no detail 20 on Ad6.1 please clarify.*

**MGPA Response:** Detail 5 has been removed from Revised Sheet Ad6.2.

- 8.11 *Please advise where detail 1/Ad6.1 is to be applied. I do not see any callout for new asphalt.*

**MGPA Response:** The detail 1/Ad6.1 has been revised to show overlay on existing asphalt and is referenced on revised Sheet A-1.2. Overlay could be up to 4" thick in some areas.

- 8.12 *There is no callout for any reinforcing steel for the ramp walls per detail 18/Ad6.1. Please advise if any reinforcing steel is required.*

**MGPA Response:** Details have been revised see revised Sheets Ad1.1, Ad1.2 and new sheet Ad1.3.

- 8.13 *Sheet A-1.2, keynote 11 calls out (E) truncated domes to remain. Sheet Ad6.2, detail 1 calls out new detectable warning surface (truncated domes) to be full width of loading area. There is no curb call out so per detail 1, we would be required to run the detectable warning surface the full width of the parking stalls. If this is the case, would the existing truncated domes need to be left in place.*

**MGPA Response:** Correct, see revised sheet A-1.2



9. *On plan Sheet AS-0.1 other than Detail 16/A-1.1 is there any work to be done as part of this Contract?*

**MGPA Response:** See revised Sheet AS-0.1. The only scope of work on this sheet is shown on Details 16/A-1.1 and 16/AS-1.0

10. *There are vents in the foundation walls and it looks like we are placing concrete along the wall of the building covering these vents. Please clarify if these vents can be covered by concrete?*

**MGPA Response:** Keynotes have been added to clarify which vents remain and which get covered with rigid insulation board. See Revised Sheets A-1.1 and AS-1.0.

11. *There are roof drains that terminate into piping, and some have cleanout fittings that will be under the finish surface of the concrete. Please confirm these can be covered up in concrete.*

**MGPA Response:** Cleanouts located in new paving areas shall be modified and extended or trimmed to be flush with new paving. Cleanout lids shall be replaced with steel lids if plastic.

**ITEM NO. 3                      Questions from Bidders RFI-2**

1. *Are the plants and landscaping shown on A-1.2 part of this scope of work? (Page A-1.2)*

**MGPA Response:** See new Sheet L-1.1 LANDSCAPE PLAN. This plan is provided for reference mostly. The contractor's only scope of work on this sheet is to provide irrigation sleeves under new paving. All landscaping and irrigation will be provided by others.

2. *Can you please provide the connection detail between the new canopy and the existing building per detail 7/Ad6.2, if there are any? (Ad6.2)*

**MGPA Response:** See new Detail 18/Ad6.3 for connection to existing building.

3. *For the new 6x6 exterior recessed spot light; (Ad6.2)*  
a. *Is surfaced mounted EMT conduit satisfactory?*  
b. *Are the fixtures provided by the owner? If not, what are the specs.*

**MGPA Response:**                      a. No. Provide conduit concealed in joist space of new Canopy.  
   b. Owner will provide the fixtures at the Canopy

4. *The plans call for a Tremco Roofing System and the specs call for metal roofing Design Span hp Metal Roofing. Can you please clarify the roofing system and also confirm if there are any alternative products that can be used. (07 4113-3 & 7/Ad6.2)*

**MGPA Response:** Remove Spec Section 07 4113 for metal roofing. There is no metal roofing proposed. See new specification Section 07 56400 for Single Ply Roofing Membrane.

5. *Demo plan A-1.1 shows about 7' of concrete/asphalt demo for the new sidewalk and canopy area. The new drawing A-1.2 shows new concrete at the new canopy to be about 14' out from the building so the demo plan does not match the New Plan. Please confirm the demo plan is showing the demo incorrectly.*

**MGPA Response:** See revised Sheets A-1.1 and A-1.2 for clarifications

6. *Please confirm we can cut asphalt for new curb and don't need to slot patch the asphalt*

**MGPA Response:** This is at the Contractor's option. The result needs to match the details.

7. *Keynotes on AS-01 most are Existing but there are a couple that don't say Existing or New. Keynote 4, 5, 10, 12, and 15. Please clarify are these existing or required*

**MGPA Response:** See revised Keynotes on revised Sheet AS-01.

8. *General notes on AS-01 states to patch and repair all existing concrete flooring and wall finishes . There is no concrete flooring shown on the drawings to be repaired. Please clarify where the*

**MGPA Response:** See revised General Note 1 on revised Sheet AS-01 for clarification.

9. *General note #3 "coordinate with Structural, Mechanical, Plumbing and Electrical plans for demo. There are no Structural, Mechanical, Plumbing or Electrical plans to Coordinate with. Please provide missing drawings or clarify this statement.*

**MGPA Response:** See response to Item 2 - 8.2 for clarification.

10. *Detail 19 and 8 on Ad6.1 shows ½" radius edge on concrete. Detail 10 is calling for a "45deg beveled up" edge. Please clarify what the edge conditions on all sidewalks should be. Is it a radius or a bevel.*

**MGPA Response:** ½" Radius is correct but detail 10/Ad6.1 has been omitted.

11. *Detail 18/Ad6.1 shows a footing and stem wall for the ramp section. Please provide the dimensions for the footing and thickness of stem wall. Please confirm there is no reinforcing steel in these ramps as none is shown. Detail 18 has a call out to 16/S3.1 but there is no S3.1. Please confirm it should be 16/Ad6.1*

**MGPA Response:** See new Detail Sheet Ad6.3 and revised Detail Sheets Ad6.1 and Ad6.2 for rebar and dimensions.

12. *Detail 19/Ad6.2 keynote #1 is for new 6x6 spot light connected to existing electric wire. The 6x6 lights are not specified. Please provide what lights you want.*

**MGPA Response:** The light fixtures will be owner furnished flush mounted LED down lights. Contractor installed.

13. *Please confirm the 6" steel column and 2x6 columns for the Canopy are 3/16" thick steel  
Please confirm detail 10/Ad6.2 the 6" steel column and 2x6 columns for the Canopy do not have base plates for bolt anchors.*

**MGPA Response:** See new Detail Sheet Ad6.3 and revised Details 18 and 19/Ad6.2.

14. *Please clarify the elevations shown on A-1.2 at corner of building shown as 259.58 is finish surface of sidewalk or finish floor of building. It only states "Bldg Cor".*

**MGPA Response:** See revised Sheet A-1.2 which shows spot elevations. Elevations that are existing are shown in parentheses. Proposed elevations have been clarified.

15. *Drawing AS-1.0 shows building finish floor at front door is 260.46, Drawing A-1.2 shows the exterior concrete elevation at 260.73. This is higher than the floor of the building. Please clarify the elevations for the sidewalks.*

**MGPA Response:** See revised sheet A-1.2 for revised spot elevations.

16. Drawings A-1.2 keynote #5 shows 1 irrigation box re-location at front of building. Drawing A-1.1 item #8 shows 2 irrigation boxes to be relocated outside of concrete. At the back of building is keynote #5 showing 1 irrigation box which is in the new concrete. In order to price this correctly we need to know what's in these boxes. What type of pipe and what size, where the controller is for wiring. Please clarify size, type of valves and controller and location of controller for these boxes.

**MGPA Response:** See revised sheets A-1.1 and A-1.2 and New Sheet L-1.1 for clarification of irrigation boxes. Also please note that irrigation control boxes are by others.

17. Spec 055213 section 2.01.B. is calling for schedule 80 handrails. The standard for handrails is schedule 40 so please confirm you really want schedule 80 handrails.

**MGPA Response:** Omit Section 05 5213 paragraphs 2.01 items E, F, G, and H. Section 05 5213 paragraph 2.01 items B states unless noted otherwise. Provide Steel Rails and Stanchions per revised detail 12/Ad6.1.

18. Detail 8/Ad6.2 calls for 20ga aluminum gutter and detail 16/Ad6.2 shows one downspout called out as a gutter. The spec 055000 calls downspouts fabricated of Schedule 40 steel pipe and hot-dipped galvanized. Please clarify are the downspouts Galvanized steel or 20ga Aluminum.

**MGPA Response:** Detail 16/Ad6.2 has been revised and no longer shows the downspout. Reference New Detail 16/Ad6.3 for downspout material and finish.

19. The Legend on A-1.2 states new handrail at +/- 260LF. My calculation is a lot different. Please clarify the scale is 1/8" = 1' or confirm you want us to figure 260lf not what is shown.

**MGPA Response:** See revised legend on revised Sheet A-1.2 for revised estimated length of railing.

20. Detail 11 on Ad6.1 calls for a 4" Dia drain pipe connecting to a 4"x15" Rectangular precast concrete drain to Curb. Please clarify if the 4" dia pipe can be run through the curb in lieu of a Rectangular precast drain. If the rectangular drain is required, please provide information on how the 4" round pipe connects to the Rectangular precast.

**MGPA Response:** Detail 11/Ad6.1 has been omitted. Drain pipes shall connect to existing underground storm drain serving existing roof drains.

21. Detail 16/Ad6.1 calls out handrail with vertical rails at 4' O.C. UON on Elevations. The elevations do not provide any dimensions but scale to 5' O.C. This detail also calls for an Intermediate railing see elevations. The elevations do not show any intermediate railings.

**MGPA Response:** Provide stanchions per revised legend and symbols on revised Sheet A-1.2. Rule of thumb is 5'-0" max on center, however, some are shown exceeding that and many are spaced equally at less than 5'-0".

22. Detail 12 and 13 on Ad6.1 call for the pipe to be 1-1/2" dia. Detail 13/Ad6.1 is calling for rail to be 2" not 1-1/2". Detail 12 and 13 on Ad6.1 call for the pipe to be 1-1/2" dia. Detail 13/Ad6.1 is calling for rail to be 2" not 1-1/2". Please clarify the handrails on this project. Is it 1-1/2" or 2" is there rails at 5" O.C or none as shown.

**MGPA Response:** See revised Detail 12/Ad6.1 for rail and stanchion size and finish. See response to Item 3 – 21 for spacing clarification.

23. *There are vents in the foundation walls and it looks like we are placing concrete along the wall of the building covering these vents. Please clarify these vents can be covered by concrete?*

**MGPA Response:** See response to Item 2 - 10 for clarification.

24. *There are roof drains that terminate into piping and some have cleanout fittings that will be under the finish surface of the concrete. Please confirm these can be covered up in concrete.*

**MGPA Response:** See response to Item 2 - 11 for clarification.

25. *Plan Sheet AS-0.1 has a list of Keynotes (see attached) some of the note say Existing and some of them do not. Can you tell us if any of these Keynotes are part of this project.*

**MGPA Response:** See response to Item 2 – 9 for clarification.

#### **ITEM NO. 4      Specifications**

1. Add New **Section 07 2100 Thermal Insulation**. Provide insulation in the Project where called out in the Drawings and per the new attached specification section.
2. Add New **Section 07 5400 Thermoplastic Membrane Roofing**. Provide single-ply roofing where called out on the Drawings per the attached new spec section.
3. Add New **Section 09 2200 Lath and Plaster**. Provide exterior cement plaster where called out on the Drawings per the attached new spec section.
4. Add New **Section 09 9100 Painting**. Provide elastomeric paint on exterior cement plaster per the attached new spec section.
5. Add New **Section 32 1216 Asphalt Paving**. Provide A/C paving and overlays where called out on the Drawings per the attached new spec section.
6. Add New **Section 32 1726 Tactile Warning Surfacing**. New Specification call for **Vanguard System**. New Spec Section attached.
7. Omit **Section 07 4113 Metal Roof Panels**, Not used on this project.

#### **ITEM NO. 5      Drawings.**

1. Replace Sheets T-1.1, AS-0.1, AS-1.0, A-1.1, A-1.2, Ad6.1, Ad6.2 in their entirety with attached drawing sheets T-1.1, AS-0.1, AS-1.0, A-1.1, A-1.2, Ad6.1, Ad6.2. Revisions have been clouded and labeled Delta 2.
2. Add new Sheet Ad6.3 Details and Sheet L-1.1 Landscape Plan in their entirety per attached sheets Ad6.3 and L-1.1

#### **END OF ADDENDUM NUMBER TWO**

##### **Attachments as follows:**

Specification Sections 07 2100, 07 5400, 09 2200, 09 9100, 32 1216, 32 1726 ..... 35 pages @ 24X36  
Drawing Sheets T-1.1, AS-0.1, AS-1.0, A-1.1, A-1.2, Ad6.1, Ad6.2, Ad6.3, L-1.1. .... 10 pages @ 24X36



Fred Gualda AIA, C20789  
Principal

**MGPA ARCHITECTURE**

## **ADDENDUM 2: SECTION 07 2100**

### **THERMAL INSULATION**

#### **PART 1 - GENERAL**

##### **1.01 SUMMARY**

- A. Section includes: Thermal, fire, and acoustical insulation and isolation materials as indicated on the Drawings and specified herein.
- B. Related Sections:
  - 1. Section 01 1100 - Summary of Work: Prequalification requirements.
  - 2. Section 06 1000 - Rough Carpentry: Framing to which insulation is attached.

##### **1.02 REFERENCE STANDARDS**

- A. Ensure installation compliance with Title 24.
- B. Federal Specifications HH-I-521E.
- C. ASTM C665
- D. ASTM E84.

##### **1.03 SUBMITTALS**

- A. Submit manufacturer's product literature and installation instructions for each type of insulation material required.
- B. Submit certified test reports showing compliance with performance values, including r-ratings (aged for plastic insulations), densities, compression strengths, fire performance characteristics, perm ratings, water absorption ratings, and similar properties.

##### **1.04 QUALITY ASSURANCE**

- A. Provide certification of insulation and post on the project, stating that the work of this section conforms to the requirements of this section of specifications and Title 24.

#### **PART 2 - PRODUCTS**

##### **2.01 MATERIALS**

- A. Thermal Insulation at Horizontal Locations (Batt Insulation):
  - 1. Provide mineral wool or glass fiber batts, foil-scrim-kraft faced, flanged, in thicknesses necessary to meet aged R-30 value, expressed as average in and out value.
  - 2. Flame spread rating: 25 or less in accordance with ASTM E84.
  - 3. Smoke density developed rating: 50 or less in accordance with ASTM E84.
  - 4. Provide insulation support wire per 2.04A at non-direct applied ceiling assemblies.
- B. Thermal Insulation at Vertical Locations with studs 3 ½" and greater (Batt Insulation):
  - 1. Provide mineral wool or glass fiber batts, foil-scrim-kraft faced, flanged, in thickness necessary to meet aged R-19 value, expressed as average in and out value.
  - 2. Flame spread rating: 25 or less in accordance with ASTM E84. Note: Specified R-values are for materials only and are not to include installation values.
    - a. Note: Specified R-values are for materials only and are not to include installation values.

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3. Smoke density developed rating: 50 or less in accordance with ASTM E84.
- C. Thermal Insulation at Vertical Locations with 2 ½" studs (Board Insulation):
  1. Provide glass fiber board, foil faced, 2 ½" maximum thickness and meeting aged R-10.4 minimum value, expressed as average in and out value.
  2. Flame spread rating: 25 or less in accordance with ASTM E84. Note: Specified R-values are for materials only and are not to include installation values.
    - a. Note: Specified R-values are for materials only and are not to include installation values.
  3. Smoke density developed rating: 50 or less in accordance with ASTM E84.
- D. Acoustical Insulation:
  1. Provide mineral wool or fiberglass batts, minimum of 3 5/8 inches thick, installed as specified in indicated assemblies. At 2 ½" studs provided 2 ¾ inches thick insulation.
  2. Flame spread rating: 25 or less in accordance with ASTM E84.
  3. Smoke density developed rating: 50 or less in accordance with ASTM E84

**2.02 SOURCE QUALITY CONTROL**

- A. Fire Safing:
  1. Provide USG Thermafiber Fire Safing Insulation, or other approved, where fire safing material is shown or required.

**2.03 COMPONENTS**

- A. Acoustical Isolators: Provide isolating and acoustical clamps and sleeves manufactured by Specialty Products Company, or other approved, as approved by local codes.

**2.04 ACCESSORIES**

- A. Sag wires: Provide 18 gage galvanized wire.
- B. Impaling and stick-pins, including washers, are to be provided as recommended in writing by insulation manufacturer.

**PART 3 - EXECUTION**

**3.01 INSTALLATION**

- A. Batt Insulation:
  1. Insulate exterior areas adjacent and contiguous to spaces unheated, unless noted otherwise by Drawings.
  2. Ensure secure attachment so that insulation will not sag over time. Friction fitting is not sufficient. Mechanically attach insulation. Double-sided tape attachment is not acceptable.
    - a. Install foil and paper facing on the warmer side of area being insulated.
    - b. Where insulated walls are being left unfinished, install sag wires to support insulation.
    - c. Where insulation is being installed using impaling pins, ensure that washers are installed over pins after insulation is in place. Space pins as necessary to provide insulation installation which will not sag over time, and as recommended in writing by insulation manufacturer.
  3. Ensure the continuous insulation of the building envelope. Tape joints, both ends, and sides.

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4. Provide two layers of insulation lapping openings by 14 inches or more where intended to be of sound resistive construction at locations
5. Provide acoustical insulation in all interior partitions of classrooms, offices, and conference rooms. Extend insulation to the underside of the roof structure.

**3.02 DEMONSTRATION**

- A. Comply with State of California noise insulation standards.
- B. Upon completion of installation of the building envelope, certify compliance with requirements for Title 24.

**END OF SECTION**



## **ADDENDUM 2: SECTION 07 5400 THERMOPLASTIC MEMBRANE ROOFING**

### **PART 1 - GENERAL**

#### **1.01 SECTION INCLUDES**

- A. Adhered system with thermoplastic roofing membrane.
- B. Insulation, flat and tapered.
- C. Cover boards.
- D. Roofing cant strips, stack boots, roofing expansion joints, and walkway pads.

#### **1.02 REFERENCE STANDARDS**

- A. ASTM C1289 - Standard Specification for Faced Rigid Cellular Polyisocyanurate Thermal Insulation Board; 2020.
- B. ASTM D6754/D6754M - Standard Specification for Ketone Ethylene Ester Based Sheet Roofing; 2015.
- C. ASTM D7877 - Standard Guide for Electronic Methods for Detecting and Locating Leaks in Waterproof Membranes; 2014.
- D. ASTM D8231 - Standard Practice for the Use of a Low Voltage Electronic Scanning System for Detecting and Locating Breaches in Roofing and Waterproofing Membranes; 2019.
- E. ASTM E1980 - Standard Practice for Calculating Solar Reflectance Index of Horizontal and Low-Sloped Opaque Surfaces; 2011 (Reapproved 2019).
- F. FM (AG) - FM Approval Guide; Current Edition.
- G. FM DS 1-28 - Wind Design; 2015, with Editorial Revision (2022).
- H. NRCA (RM) - The NRCA Roofing Manual; 2023.
- I. NRCA (WM) - The NRCA Waterproofing Manual; 2021.

#### **1.03 ADMINISTRATIVE REQUIREMENTS**

- A. Preinstallation Meeting: Convene one week before starting work of this section.
  - 1. Review preparation and installation procedures and coordinating and scheduling required with related work.

#### **1.04 SUBMITTALS**

- A. See Section 01 3300 for submittal procedures.
- B. Product Data: Provide data indicating membrane materials, flashing materials, insulation, vapor retarder, surfacing, and fasteners.
- C. Shop Drawings: Submit drawings that indicate joint or termination detail conditions, conditions of interface with other materials, and paver layout.
- D. Manufacturer's qualification statement.
- E. Installer's qualification statement.
- F. Testing firm's qualification statement.
- G. Sustainable Design Documentation: Test report showing solar reflectance index of membrane.
- H. Specimen Warranty: For approval.

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I. Warranty Documentation:

1. Submit manufacturer warranty and ensure that forms have been completed in Owner's name and registered with manufacturer.
2. Submit installer's written verification that installation complies with warranty conditions for waterproof membrane.

1.05 QUALITY ASSURANCE

- A. Manufacturer Qualifications: Company specializing in manufacturing products specified in this section with minimum five years of documented experience.
- B. Installer Qualifications: Company specializing in performing work of this section with at least five years of documented experience.
- C. Roofing Inspector Qualifications: A technical representative of manufacturer not engaged in the sale of products and experienced in the installation and maintenance of the specified roofing system, qualified to perform roofing observation and inspection specified in Field Quality Control Article, to determine Installer's compliance with the requirements of this Project, and approved by the manufacturer to issue warranty certification. The Roofing Inspector shall be one of the following:
  1. An authorized full-time technical employee of the manufacturer.
- D. Testing Firm Qualifications: Company specializing in performing work of the type specified and approved by manufacturer.

1.06 DELIVERY, STORAGE, AND HANDLING

- A. See Section 01 7419 - Construction Waste Management and Disposal for packaging waste requirements.
- B. Deliver materials in manufacturer's original containers, dry and undamaged, with seals and labels intact, unless otherwise indicated.
- C. Store materials in weather protected environment, clear of ground and moisture.
- D. Ensure storage and staging of materials does not exceed static and dynamic load-bearing capacities of roof decking.
- E. Protect foam insulation from direct exposure to sunlight.

1.07 FIELD CONDITIONS

- A. Do not apply roofing membrane during unsuitable weather.
- B. Proceed with installation only when existing and forecasted weather conditions permit roofing system to be installed according to Manufacturer's written instructions and warranty requirements.
- C. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
- D. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.
- E. Schedule applications so that no partially completed sections of roof are left exposed at end of workday.

1.08 WARRANTY

- A. See Section 01 7836 for additional warranty requirements.
- B. System Warranty: Roof System Manufacturer's standard form in which the Manufacturer agrees to repair or replace components of roofing system that fail in materials or workmanship within warranty period, as follows
  1. Form of Warranty: Manufacturer's standard warranty form.

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2. Scope of Warranty. Work of this Section and including sheet metal details and termination details installed by the roof system Installer and approved by the Roof System Manufacturer.
  3. Warranty Term: 30 years from date of Substantial Completion.
  4. For repair and replacement include costs of both material and labor in warranty.
- C. Manufacturer Inspection and Preventive Maintenance Service: To report maintenance responsibilities necessary for preservation of Owner's warranty rights and to perform periodic routine maintenance required, as described in Manufacturer's standard form. The cost of manufacturer's inspection and preventive maintenance is included in the Contract Sum.
1. Scope of Service: Manufacturer's standard form.
  2. Inspections to occur in the following years: 2, 5, 10, 15, 20, and 25 following Substantial Completion.
- D. Installer Warranty: Installer's warranty signed by Installer, as follows.
1. Form of Warranty: Form acceptable to Roofing System Manufacturer and Owner.
  2. Scope of Warranty: Work of this Section.
  3. Warranty Period: 5 years from date of Substantial Completion.

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS**

- A. Thermoplastic Ketone Ethylene Ester (KEE) Membrane Roofing Materials:
1. Basis of design: Tremco Roofing; TremPly KEE FB Single Ply Roofing Membrane: [www.tremcoroofing.com](http://www.tremcoroofing.com).
  2. Substitutions: Not permitted.
- B. Insulation:
1. BASF Corporation: [www.neopor.basf.us/#sle](http://www.neopor.basf.us/#sle).
  2. Carlisle SynTec Systems: [www.carlisle-syntec.com/#sle](http://www.carlisle-syntec.com/#sle).
  3. Owens Corning Corporation: [www.ocbuildingspec.com/#sle](http://www.ocbuildingspec.com/#sle).
  4. Substitutions: See Division 0.

**2.02 ROOFING - UNBALLASTED APPLICATIONS**

- A. Thermoplastic Membrane Roofing: One ply membrane, fully adhered, over insulation.
- B. Roofing Assembly Requirements:
1. Solar Reflectance Index (SRI): 110 (White, initial), 86 (White, 3-year aged), minimum, calculated in accordance with ASTM E1980.
    - a. Field applied coating may not be used to achieve specified SRI.
  2. Breaking Strength: Minimum ASTM D751. Machine direction, 500 lbf (87 kN/m); Cross machine direction (145 lbf (25 kN/m).
  3. Elongation at Break: ASTM D751: 20 percent.
  4. Dynamic Impact/Puncture Resistance: ASTM D5635: Pass.
  5. Minimum Membrane Thickness: Nominal, less backing, ASTM D751: 60 mils (1.5mm).
  6. Accelerated Weathering: ASTM G155 and G154; not greater than 5,000 hr., no cracking or crazing.

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7. Abrasion Resistance: ASTM D3389; not greater than 2,000 cycles, H-18 wheel, 1,000 g load.
8. Color: White.

**2.03 MEMBRANE ROOFING AND ASSOCIATED MATERIALS**

- A. Membrane Roofing Materials:
  1. KEE: Ketone ethylene ester (KEE) complying with ASTM D6754/D6754M, sheet reinforced with fabric.
    - a. Thickness: 60 mil, 0.060 inch, minimum.
  2. Sheet Width: Factory fabricated into widest possible sheets.
  3. Color: White.
- B. Seaming Materials: As recommended by membrane manufacturer.
- C. Sheet Flashing: Manufacturer's standard smooth-backed, sheet flashing of same material, type, reinforcement, thickness, and color as KEE roof membrane.
- D. Auxillary Roofing Materials:
  1. General: Auxillary membrane roofing materials recommended by roofing system manufacturer for intended use, and compatible with membrane roofing.
    - a. Liquid type auxillary materials shall comply with VOC limits of authorities haing jurisdiction.
  2. Membrane Bonding Adhesive:
    - a. Bonding adhesive, waterborne low-VOC, for bonding KEE fleece-backed single ply membranes and flashing to substrates.
      - (1) Basis of design product: Tremco, TremPly KEE FB WBII Bonding Adehesive.
      - (2) VOC maximum: ASTM D3960; 153 g/L.
  3. Flashing Membrane Adhesive:
    - a. Bonding adhesive, solvent based fast drying, VOC-compliant, for bonding KEE smooth-backed single ply membranes and flashing substrates.
      - (1) Basis of design product: Tremco, TremPly KEE LV Bonding Adhesive.
      - (2) VOC maximum: ASTM D3960; 200 g/L.
  4. Metal Termination Bars: Manufacturer's standard, pre-drilled stainless steel or aluminum bars, approximately 1 by 1/8-inch (25mm by 3mm) thick; with anchors.
  5. Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening components to substrate, and acceptable to membrane roofing system manufacturer.
  6. Joint Sealant: Elastomeric joint sealant compatible with roofing materials, with movement capability appropriate for application.
    - a. Joint Sealant, Polyurethane: ASTM C920, Type S, Grade N/S, Class 50 single-component, moisture curing sealant, formulated for compatibility and use in dynamic and static joints; paintable.
      - (1) Basis of design product: Tremco, TremSEAL Pro.
      - (2) VOC maximum: ASTM
      - (3) Hardness, Shore A, ASTM C661: 40.

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- (4) Adhesion to Concrete: ASTM C794; 35 pli.
- (5) Tensile Strength: ASTM D412; 350 PSI (2410 kPa).
- (6) Color: White.
- 7. Prefabricated Pipe Flashings: As recommended by roof membrane manufacturer.
- 8. Miscellaneous Accessories: Provide pourable sealers, preformed cone and vent sheet flashings, preformed inside and outside corner sheet flashings, T-joint covers, lap sealants, termination reglets, and other accessories.

**2.04 COVER BOARDS**

- A. Gypsum panel, cellulosic fiber reinforced, water-resistant, ASTM C1278/C1278M.
  - 1. Basis of design product: Dens-Deck Prime.
  - 2. Thickness: 1/4-inch (6mm).
  - 3. Size: 4'x4' boards.
- B. Cover Board Adhesive:
  - 1. Urethane adhesive, bead-applied, low-rise two-component, solvent-free, low odor, formulated to adhere roof insulation to substrate.
    - a. Basis of design product: Tremco Low Rise Foam Adhesive.
      - (1) Flame Spread Index: ASTM E84; 10.
      - (2) Smoked Developed Index: ASTM E84; 30.
      - (3) VOC Maximum: ASTM D3960; 0 g/L.
      - (4) Tensile Strength: Minimum ASTM D412; 250 psi (1720 kPa).
      - (5) Peel Adhesion: Minimum ASTM D903; 17 lbf/in (2.50 kN/m).
      - (6) Flexibility: 70 deg. F (39 deg. C), ASTM D816; Pass.

**2.05 INSULATION**

- A. General: Preformed roof insulation boards manufactured or approved by roofing manufacturer, selected from insulation manufacturer's standard sizes, suitable for application, and of thicknesses indicated.
  - 1. Provide preformed saddles, crickets, tapered edge strips, and other insulation shapes where indicated for sloping to drain. Fabricate to slopes indicated, not less than two times the roof slope.
- B. Polyisocyanurate (ISO) Board Insulation: Rigid cellular foam, complying with ASTM C1289.
  - 1. Classifications:
    - a. Type II: Faced with either cellulosic facers or glass fiber mat facers on both major surfaces of the core foam.
      - (1) Class 1 - Faced with glass fiber reinforced cellulosic facers on both major surfaces of the core foam.
      - (2) Compressive Strength: Classes 1-2-3, Grade 2, 20 psi (138 kPa), minimum.
      - (3) Thermal Resistance, R-value: At 2-1/2 inches thick; 14.4, minimum, at 75 degrees F.
  - 2. Board Size: 48 by 96 inches.
  - 3. Board Thickness: 1.5 inches.

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#### **2.06 ACCESSORIES**

- A. Insulation Joint Tape: Glass fiber reinforced type as recommended by insulation manufacturer, compatible with roofing materials; 6 inches wide; self adhering.
- B. Insulation Fasteners: Appropriate for purpose intended and approved by roofing manufacturer.
- C. Membrane Adhesive: As recommended by membrane manufacturer.
- D. Insulation Adhesive: As recommended by insulation manufacturer.
- E. Insulation Fasteners: Factory-coated steel fasteners and metal or plastic plates complying with corrosion-resistance provisions in FM Approvals 4470, designed for fastening roof insulation and cover boards to substrate, and acceptable to roofing system manufacturer.
- F. Walkway Pads: Suitable for maintenance traffic, contrasting color or otherwise visually distinctive from roof membrane.
  - 1. Composition: Walkway roll, heavy-duty safety yellow walkway roll..
  - 2. Size: 30"x100'.
  - 3. Surface Color: Yellow.
  - 4. Products:
    - a. Basis of design product: KEE walkway roll..
    - b. Substitutions: Not permitted.

#### **PART 3 - EXECUTION**

##### **3.01 EXAMINATION**

- A. Verify that surfaces and site conditions are ready to receive work.
- B. Verify deck is supported and secure.
- C. Verify deck is clean and smooth, flat, free of depressions, waves, or projections, properly sloped and suitable for installation of roof system.
- D. Verify deck surfaces are dry and free of snow or ice.
- E. Verify that roof openings, curbs, and penetrations through roof are solidly set, and cant strips are in place.

##### **3.02 PREPARATION - WOOD DECK**

- A. Verify flatness (within 1/16 inch out-of-plane) and tightness of joints in wood decking; fill knot holes with latex filler.
- B. Confirm dry deck by moisture meter with 12 percent moisture maximum.

##### **3.03 INSTALLATION, GENERAL**

- A. Perform work in accordance with manufacturer's instructions, NRCA (RM), and NRCA (WM) applicable requirements.
- B. Do not apply roofing membrane during cold or wet weather conditions.
- C. Do not apply roofing membrane when ambient temperature is outside the temperature range recommended by manufacturer.
- D. Do not apply roofing membrane to damp or frozen deck surface or when precipitation is expected or occurring.
- E. Do not expose materials vulnerable to water or sun damage in quantities greater than can be weatherproofed the same day.
- F. Coordinate this work with installation of associated counterflashings installed by other sections as the work of this section proceeds.

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**3.04 INSTALLATION - INSULATION, UNDER MEMBRANE**

- A. Attachment of Insulation:
  - 1. Mechanically fasten first layer of insulation to deck in accordance with roofing manufacturer's instructions and FM DS 1-28 Factory Mutual requirements.
  - 2. Embed second layer of insulation into full bed of adhesive in accordance with roofing and insulation manufacturers' instructions.
- B. Cover Boards: Mechanically fasten cover boards in accordance with roofing manufacturer's instructions and FM (AG) Factory Mutual requirements.
- C. Lay subsequent layers of insulation with joints staggered minimum 6 inches from joints of preceding layer.
- D. Place tapered insulation to the required slope pattern in accordance with manufacturer's instructions.
- E. Lay boards with edges in moderate contact without forcing. Cut insulation to fit neatly to perimeter blocking and around penetrations through roof.
- F. Tape joints of insulation in accordance with roofing and insulation manufacturers' instructions.
- G. At roof drains, use factory-tapered boards to slope down to roof drains over a distance of 18 inches.
- H. Do not install more insulation than can be covered with membrane in same day.

**3.05 INSTALLATION - MEMBRANE**

- A. Roll out membrane, free from wrinkles or tears. Place sheet into place without stretching.
- B. Shingle joints on sloped substrate in direction of drainage.
- C. Fully Adhered Application: Apply adhesive to substrate at rate of \_\_\_ gallons per square foot. Fully embed membrane in adhesive except in areas directly over or within 3 inches of expansion joints. Fully adhere one roll before proceeding to adjacent rolls.
- D. Overlap edges and ends and seal seams by contact adhesive, minimum 3 inches. Seal permanently waterproof. Apply uniform bead of sealant to joint edge.
- E. At intersections with vertical surfaces:
  - 1. Extend membrane over cant strips and up a minimum of 4 inches onto vertical surfaces.
  - 2. Fully adhere flexible flashing over membrane and up to nailing strips.
- F. Around roof penetrations, seal flanges and flashings with flexible flashing.
- G. Coordinate installation of roof drains and sumps and related flashings.

**3.06 FIELD QUALITY CONTROL**

- A. See Section 01 4500 for additional requirements.
- B. Roofing Inspector: Manufacturer to provide daily site visits with progress report to the Owner by a qualified inspector at no additional cost to the District.
- C. Final Roof Inspection: Arrange for roofing system manufacturer's technical personnel to inspect roofing installation on completion.
- D. Repair or remove and replace components of membrane roofing system where inspections indicate that they do not comply with specified requirements.
- E. Additional inspections, at Contractor's expense, will be performed to determine compliance of replaced or additional work with specified requirements.
- F. Electronic Leak Detection (ELD) Testing: Test roofing areas for leaks using ELD method that locates discontinuities in membrane roofing in accordance with ASTM D7877 or ASTM D8231.



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1. Testing agency to submit Daily Field Report (DFR) in accordance with ASTM D8231 indicating daily details of work performed.
2. Testing agency to submit training certification to ensure that technician performing ELD testing is currently certified in accordance with relevant training program.

**3.07 CLEANING**

- A. See Section 01 7423 for additional requirements.
- B. Remove bituminous markings from finished surfaces.
- C. In areas where finished surfaces are soiled by work of this section, consult manufacturer of surfaces for cleaning advice and comply with their documented instructions.
- D. Repair or replace defaced or damaged finishes caused by work of this section.

**3.08 PROTECTION**

- A. Protect installed roofing and flashings from construction operations.
- B. Where traffic must continue over finished roof membrane, protect surfaces using durable materials.

**END OF SECTION**

## **ADDENDUM 2: SECTION 09 2200**

### **LATH AND PLASTER**

#### **PART 1 - GENERAL**

##### **1.01 SUMMARY**

- A. Section Includes: Lath and cement plaster for walls and soffits exposed as may be called out on the Drawings.

##### **1.02 RELATED SECTIONS:**

- A. Section 01 1100 - Summary of Work: Prequalification requirements.
- B. Section 06 1000 - Rough Carpentry.

##### **1.03 REFERENCE STANDARDS**

- A. 2022 California Code of Regulations, Title 24, Part 2, California Building Code (CBC), International Building Code with California Amendments.
- B. ASTM C150/C150M - Standard Specification for Portland Cement.
- C. ASTM C206 - Standard Specification for Finishing Hydrated Lime.
- D. ASTM C847 - Standard Specification for Metal Lath.
- E. ASTM C897 - Standard Specification for Aggregate for Job-Mixed Portland Cement-Based Plasters.
- F. ASTM C926 - Standard Specification for Application of Portland Cement-Based Plaster.
- G. ASTM C1063 - Standard Specification for Installation of Lathing and Furring to Receive Interior and Exterior Portland Cement-Based Plaster.

##### **1.04 SUBMITTALS**

- A. Samples:
  - 1. Submit in accordance with Section 01 3300 - Submittals, samples of color and texture for Architect's review.
  - 2. Color samples of aluminum channel screeds and trim.
  - 3. Letter of acceptance of substrate from Plaster Contractor.

##### **1.05 QUALITY ASSURANCE**

- A. Installer Qualifications: Minimum 2 years experience in work of this Section.
- B. Comply with applicable provisions of Chapter 25, Part 2, Title 24, C.C.R.
- C. Reference Standards for application and materials: ASTM C926, ASTM C1063, NAIMM Standard ML/SFA 920, ACI 524.

#### **PART 2 - PRODUCTS**

##### **2.01 MANUFACTURERS**

- A. Acceptable Manufacturers - Metal Lath:
  - 1. CEMCO / California Expanded Products. [www.cemcosteel.com](http://www.cemcosteel.com)
  - 2. Marino Ware Industries. [www.marinoware.com](http://www.marinoware.com)

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- B. Acceptable Manufacturers - Plaster Materials:
  - 1. Parex USA. [www.lahabrastucco.com](http://www.lahabrastucco.com)
  - 2. Merlex Stucco. [www.merlex.com](http://www.merlex.com)
- C. Substitutions: Section 01 6200 - Product Options and Substitutions.

**2.02 PLASTER MATERIALS**

- A. Cement: ASTM C150, Type 1.
- B. Lime: ASTM C206, Type S.
- C. Sand: ASTM C897.
- D. Water: Clean, potable.
- E. Plaster mix reinforcement: ASTM C116, glass fibers.
- F. Mixes:
  - 1. Scratch and brown coats: ASTM C926 Type C.
  - 2. Finish coat: Mix in accordance with manufacturer's instructions.

**2.03 LATH AND ACCESSORIES**

- A. Lath:
  - 1. Over open (stud) framing provide 3.4 pound/sy, expanded metal wire, galvanized, paper backed at exterior locations, manufactured by Western Metal Lath, Cemco, or other approved, in accordance with ASTM C847. Provide with paper meeting FS UU-B-790, Type I, Grade B, and 16-hour resistance to moisture penetration at walls in wet or exterior areas.
  - 2. At vertical surface with sheathing (plywood) at exterior, provide two layers of 60 minute Grade D paper,. Apply self-furring continuous-grooved expanded metal lath, (dimpled shall not be used) attached with staples. Paper-back type lath shall not be used. Lath to be furred 1/4" from substrate, no exceptions. Install sample panel for approval by Architect and Inspector, demonstrating installation, attachment, and method of maintaining 1/4" furred spacing. Install products in full conformance to manufacturers' published instructions.
  - 3. At Exterior Soffits with framing greater than 16" O.C.: Provide 3/8-inch rib, expanded diamond mesh weighing 3.4 pounds per square yard, fabricated from galvanized steel sheets.
- B. Accessories: Provide outside corner reinforcement with welded wire corner aids. Provide control joints with galvanized steel XJ 15 joints. Provide galvanized steel No. 66 casing beads at all plaster termination except the foundation which shall receive a foundation weep screed. All trims shall comply with the NAAMM Standard ML/SFA 920 "Guide Specifications for Metal Lathing and Furring".
  - 1. Wire Staples: 14 gage by 1-3/8 inches long by 3/4- inches wide, or barbed roof nails 1-1/2 inches long with 7/16-inch head.
  - 2. Hanger Wires: 8 gage
  - 3. Tie Wires: 16/18 gage galvanized annealed.
  - 4. Sheet Metal Items: 26 gage base screeds, runners, and expansion screeds.
  - 5. Expansion joint with expansion flange, including prefabricated joints for control and expansion/ contraction.
  - 6. Cold-Rolled Carrying Channels: 1-1/2 inches deep, weighing 0.48 pounds per lineal foot with wire hangers spaced 36 inches on centers.

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7. Cold-Rolled Furring Channels: 3/4-inch deep spaced at 12 inches on centers.
8. Drip screeds.
- C. Galvanize metal fastening devices such as staples, nails, screws, and wire ties.
- D. Bonding Agent: Provide Larsens Weldcrete, or other approved, in accordance with ASTM C932 to allow proper bond of portland cement plaster to substrate.
- E. Diamond mesh metal lath shall be fastened to steel joists or studs with # 8 self-taping sheet metal screw at 6" on-center. Screws to have galv. 1" O.D. 1/4" I.D. x 16 GA cut washer.

**PART 3 - EXECUTION**

**3.01 PREPARATION**

- A. Properly prepare surfaces, substrates, and previously installed assemblies to receive plaster finish.
- B. Inspect and approve the substrate in writing prior to commencing Work. Ensure that existing surfaces are clean and free of loose and foreign material. Apply necessary surface treatments such as bonding agents when required or recommended.
- C. Lightly sandblast or acid wash existing surfaces where such treatment is recommended by the Plastering Institute, and where such treatment will not harm other surfaces or assemblies.
- D. Provide protection of materials and assemblies in place from plastering operations, surfaces or assemblies.
- E. Install two layers of 60 min grade D building paper over plywood sheathing and shear walls.

**3.02 FIELD QUALITY CONTROL**

- A. Comply with the requirements of Section 2506A, Title 24, for support of lath:
  1. State Building Code, Part 2, Title 24, California Code of Regulations, Section 2506A "Exterior Lath" (2506A.5) Application of Metal Plaster Bases: The application of metal lath or wire fabric lath shall be as specified in Subsection 2505A.3 and they shall be furred out from vertical supports or backing not less than 1/4-inch. Self-furring lath meets furring requirements, except when installed over plywood sheathing or similar rigid backing, except as set forth in footnote No.2, Table No.25A-B, CBC. (Footnote 2)
    - a. Where exterior lath is attached to horizontal wood supports, either of the following attachments shall be used in addition to the methods of attachment set forth in Table No.25A-C, CBC:
  2. Secure lath to alternate supports with ties consisting of a double standard of No.18W & M gauge galvanized annealed wire at one edge of each sheet of lath. Wire ties shall be installed not less than 3-inches back from the edge of each sheet and shall be looped around stripping, or attached to an 8d common wire nail driven into each side of the joist 2-inches above the bottom of the joist or to each end of a 16d common wire nail driven horizontally through the joist 2-inches above the bottom of the joist and the ends of the wire secured together with 3 twists of the wire.
  3. Secure lath to each support with 1/2-inch wide, 1-1/2 inches long No.9 W & M gauge ring shank, hook staple placed around a 10d common nail laid flat under the surface of the lath not more than 3-inches from edge of each sheet. Such staples may be placed over ribs of 3/8-inch rib lath or over back wire of welded wire fabric or other approved lath, omitting the 10d nails. Where no external corner reinforcement is used, lath shall be furred out and carried around corners at least one support on frame construction.
  4. A weep screed shall be provided at the foundation plate line on all exterior stud walls. The screed shall be of a type which will allow trapped water to drain to the exterior of the building."

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a. (End of Section 2506A.5.)

**3.03 INSTALLATION**

- A. Install lath with long dimension at right angles to supports.
- B. Stagger ends of lath to avoid continuous joints. Lap joints at least 2 inches. Butt lath into internal corners and reinforce angles with cornerite reinforcement, secured along edges at no more than 10 inch intervals.
- C. Attach lath to supports and side laps at 6 inches on centers maximum.
- D. Install control joints at maximum 10 foot intervals in each direction, (location as shown on architectural elevations). Ensure a water resistant joint Install foundation weep screeds at all foundation sill conditions per CBC 2506A.5 paragraphs five and seven.
- E. Attach plastering accessories to supports using shims to provide true grounds for plaster. Wire-tie to plaster base, or nail or staple to framing members.
- F. If wood grounds are not shown, install casing beads.
- G. The location of all expansion/control joints shall be as shown on the architectural elevations.

**3.04 COMPONENTS**

- A. Coat Thickness and Amounts:
  - 1. Interior Base Coats for Ceramic Tile: Provide scratch coat approximately 3/8-inch thick, to receive brown coat.
  - 2. Exterior Veneer Stucco Over C.M.U.: Leveling coat and two finish coats approximately 3/4-inch total thickness to cover substrate and provide "Medium Dash", per Technical Services Information Bureau Plaster Textures, finish coat.
  - 3. Exterior Stucco Over Lath and Framing: Scratch, brown and two finish coats approximately 7/8-inch thick. Provide "Medium Dash" finish coat.

**3.05 APPLICATION**

- A. Scratch Coats: Apply with sufficient material to completely cover 90% lath and scratch, and apply horizontal deformations.
- B. Exterior Finish Coats: Apply in two coats with an approved type of plastering machine, each coat covering surface uniformly. Apply first coat to form medium dash coat texture pattern, followed by second coat resulting in uniform color and texture throughout project. All plaster will have an integral color in the finish coat.
  - 1. Apply first coat by making several passes with nozzle to completely cover surface.
  - 2. Apply second coat by doubling back the same day, when first coat is sufficiently dry.
- C. Refer to Title 24, Part 2, CBC, 2504A for horizontal assemblies required for plaster ceilings.
- D. Interior Ceiling Portland Cement Plaster Finish Coats: Proportion materials for finish coats in parts by volume for cementitious materials and parts by volume per sum of cementitious materials for aggregates to comply with the following requirements:
  - a. 1 part white Portland cement, 1 part lime, 3 parts sand.
- E. Mechanically mix cementitious and aggregate materials for plasters to comply with applicable referenced application standard and with recommendations of plaster manufacturer.

**3.06 CURING**

- A. Moist cure the scratch coat immediately following application for 48 hours prior to application of brown coat. Moist cure brown coat immediately following application for 48 hours, followed by a five day dry cure prior to application of finish coat Do not allow scratch or brown to dry out during 48 hours moist cure period.

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**3.07 CUTTING AND PATCHING**

- A. Cut, patch, point up, and repair plaster as necessary to accommodate other work and to restore cracks, dents, and imperfections. Repair or replace work to eliminate blisters, buckles, excessive crazing and check cracking, dry outs, efflorescence, sweat out, and similar defects and where bond to the substrate has failed.

**3.08 CLEANING**

- A. Remove temporary protection and enclosure of other work. Promptly remove plaster from door frames, windows, and other surfaces that are not to be plastered. Repair floors, walls, and other surfaces that have been stained, marred, or otherwise damaged during the plastering work. When plastering work is completed, remove unused materials, containers, and equipment and clean floors of plaster debris.

**3.09 PROTECTION**

- A. Provide final protection and maintain conditions, in a manner suitable to installer that ensure plaster work being without damage or deterioration at time of Substantial Completion. Mask all finished surfaces that abut the finish plaster.

**END OF SECTION**

## **ADDENDUM 2: SECTION 09 9100**

### **PAINTING**

#### **PART 1 - GENERAL**

##### **1.01 SUMMARY**

- A. Section includes: materials, labor, and equipment necessary for the completion of a completely painted project, including preparation of painted surfaces. Provide finishes based on materials and products scheduled in these specifications and on the drawings. If not otherwise specified, provide a prime coat and two finish coats on all exposed to view or weather surfaces. The following miscellaneous items shall also be painted:
  - 1. Areas shown to be painted on the Exterior and Interior Elevations. Items called out to be painted in Divisions 23 and 26. New hollow metal doors and frames (interior and exterior).
  - 2. Exposed site plumbing items, such as PIV's, backflow preventers, exposed pipes and standpipes, exposed valves, exposed roof drain pipes, etc., that are installed as part of this contract.
  - 3. Exposed interior mechanical ductwork, piping, and electrical conduits in the Multi-Purpose Building, including all and ceiling access covers, hatches, panel covers, and plates.
  - 4. Exposed metal components that arrive on the job with only prime finish. Signposts. Decorative metal fence and gates. Metal railings and bollards. Exposed steel connectors, bolts, and plates.
- B. Specific Items EXCLUDED from Painting or Finishing: Factory finished items (as opposed to factory primed), chain link fence, landscape furniture unless specifically called out to be painted or stained.
- C. Related Sections:
  - 1. Division 01 – General Requirements
    - a. Section 01 1100 - Summary of Work: Prequalification requirements.
  - 2. Section 07 9200 - Joint Sealers.
  - 3. Division 23 - Mechanical.
  - 4. Division 26 - Electrical.

##### **1.02 REFERENCE STANDARDS**

- A. California Code of Regulations, Title 24, Part 2, 2022 California Building Code (CBC), International Building Code with California Amendments.
- B. Conform to California Air Resources Board (CARB) Rules, especially 1113.

##### **1.03 SUBMITTALS**

- A. Prepare 8-1/2" by 11" samples of finishes for each color of each finish required. When possible, apply finishes on identical type materials to which they will be applied on the job.
- B. Identify each sample as to finish formula, color name, reflectance number, and sheen name and gloss units.
- C. Colors will be selected by Owner and Architect prior to commencement of work, from manufacturer's full range of standard and custom colors.



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- D. For each proposed product, supply original specification sheets from the manufacturer with a summary of where the product will be used.
- E. Supply Material Safety Data Sheets for each product.

**1.04 QUALITY ASSURANCE**

- A. Prior to the start of work, schedule a pre-painting meeting with Architect, Owner and Painting Subcontractor.
- B. Mock-up: Before proceeding with paint application, finish one complete surface of each color scheme required, clearly indicating selected colors, finish texture, materials, and workmanship. If approved, the sample area will serve as a minimum standard for work throughout.
- C. Inspector must approve the prime coat before application of succeeding coats.

**1.05 MAINTENANCE MATERIALS**

- A. Leave on premises where directed, not less than one full gallon of each color, of each type of paint, in new unopened containers. Label each container for identification.

**1.06 DELIVERY, STORAGE AND HANDLING**

- A. Deliver paint materials in sealed original labeled containers bearing manufacturer's name, type of paint, brand name, solids content, color designation and instructions for mixing and/or reducing.
- B. Provide adequate storage facilities. Store paint materials at a minimum ambient temperature of 65 degrees F., in a well-ventilated storage container.
- C. Take precautionary measures to prevent fire hazards and spontaneous combustion.
- D. Solvents and wastes of oil-based coatings shall be disposed of by licensed, hazardous materials firm. Wastes of water-based coatings shall be discarded through a dilution tank and disposed into the sewer. Provide separate storage for drying paint cans.

**1.07 PROJECT CONDITIONS**

- A. Measure the moisture content of surfaces using an electronic moisture meter. Do not apply finishes unless moisture contents of surfaces are below following minimums: gypsum board - 12 percent; cementitious materials - 12 percent.
- B. Ensure surface temperatures and surrounding temperatures are above 50 degrees F. before applying finishes.
- C. Provide adequate continuous ventilation and sufficient heating facilities to maintain temperatures above 50 degrees F. for 24 hours before, during and 48 hours after application of finishes.
- D. During painting, provide a minimum of 25-foot candles of lighting on surfaces to be painted.

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS**

- A. Basis of Design Manufacturer: Products specified in this Section are manufactured by DunnEdwards Paints; tel: (888) 337 2468; web: [www.dunnedwards.com](http://www.dunnedwards.com)
- B. Subject to compliance with requirements, provide named products or equivalent products by one of the following manufacturers. Architect's color selections will be matched as closely as possible.
  - 1. Glidden Professional (previously ICI Paints); tel: (800) 984-5444; web: [www.glidden.com](http://www.glidden.com)
  - 2. Kelly Moore Paints; web: <http://kellymoore.com> .
  - 3. Sherwin-Williams Company; tel: (800) 321-8194; web: [www.sherwin-williams.com](http://www.sherwin-williams.com) .
  - 4. Vista Paint; tel: (714) 680-3800; web: [www.vistapaint.com](http://www.vistapaint.com) .
  - 5. Substitutions: Per Division 01.

**2.02 PAINT MATERIALS – GENERAL**

- A. Material Compatibility:
  - 1. Provide materials for use within each paint system that are compatible with one another and substrates indicated, under conditions of service and application as demonstrated by manufacturer, based on testing and field experience.
  - 2. For each coat in a paint system, provide products recommended in writing by manufacturers of topcoat for use in paint system and on substrate indicated.
  - 3. Fire Retardant Paint: For each material or coat, provide products and spreading rates recommended in writing by intumescent paint manufacturer for use on substrate indicated. Comply with requirements for fire-retardant coating classification and surface-burning characteristics indicated.

**PART 3 - EXECUTION**

**3.EXAMINATION**

- A. Thoroughly examine surfaces scheduled to be painted prior to commencement of work. Report in writing of conditions potentially detrimental to proper application. Do not commence until satisfied that defects and deficiencies in surfaces have been rectified.

**3.02 PROTECTION**

- A. Adequately protect other surfaces from paint and damages. Repair damages as a result of inadequate or unsuitable protection.
- B. Furnish sufficient drop cloths, shields and protective equipment to prevent spray or droppings from fouling surfaces not being painted and in particular, surfaces within storage and preparation areas.
- C. Place cotton waste cloths and materials which may constitute a fire hazard in closed metal containers and remove daily from site.
- D. Remove or cause to have removed, electrical plates, fittings, fastenings, escutcheons, and hardware prior to painting operations. These items are to be carefully stored, cleaned and replaced on completion of work in each area. Do not use solvents or other harsh cleansers on surfaces which could be damaged by such use of materials.

**3.03 PREPARATION OF SURFACES**

- A. Thoroughly clean surfaces to be painted with a hydro-cleaning process to remove chalk, dirt and other deleterious materials where such cleaning methods are practical. Spot prime before application of finish coats.
- B. Remove dirt, grease, and oil from canvas and cotton covered insulating materials such as pipes and ducts.
- C. On surfaces to be cleaned which cannot be hydro-cleaned, where possible, wash with a solution of TSP and thoroughly rinse.
- D. Patch and prime cementitious materials.
- E. Remove contamination from gypsum board surfaces and prime to conceal defects. Paint after defects are remedied.
- F. Remove surface contamination and oils from zinc coated/galvanized surfaces, wash with solvent, apply etching primer or as recommended by paint manufacturer and confirmed with metal manufacturer.
- G. Remove dirt, loose scale, powder, mortar and other foreign matter from cementitious surfaces which are to be painted or to receive sealer. Remove oil and grease with TSP solution, rinse well and allow to thoroughly dry.

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- H. Remove stains from cementitious surfaces caused by weathering of corroding materials with a solution of sodium metasilicate after being thoroughly wetted with water. Allow to thoroughly dry.
- I. Fill hairline cracks, small holes, and imperfections. Smooth off to match adjacent surfaces. Wash and neutralize high alkali where they occur.
- J. Remove grease, rust, scale, dirt, and dust from steel and iron surfaces. Where heavy coatings of scale are evident, remove by wire brushing, sandblasting or other methods necessary, practical and in accordance with Steel Structures Painting Council.
- K. Clean unprimed steel surfaces by washing with solvent. Apply a treatment of phosphoric acid solution, ensuring welded joints, bolts and nuts are similarly cleaned.
  - 1. Prime surfaces to indicate defects. Paint after defects are remedied.
- L. Sand and scrape shop primed steel surfaces to remove the loose primer, and rust. Feather out edges to make touch-up patches inconspicuous. Clean surfaces with solvent. Prime bare surfaces.
- M. Wipe off sanding dust and grit from miscellaneous wood and carpentry items prior to priming. Spot coat knots, pitch steaks and sappy sections with sealer. Fill nail holes and cracks after the primer has dried and sand between coats. Back prime interior and exterior woodwork.
- N. The factory applied primer or protective coating shall not be considered the "First Coat". First coat refers to the first field applied coat.

**3.04 APPLICATIONS**

- A. Apply each coat at proper consistency and in strict accordance with manufacturers printed instructions. Do not cut or thin paint unless allowed or recommended in printed instructions.
- B. Each coat of paint is to be slightly darker than preceding coat unless otherwise directed, or finish is clear. Contractor is responsible for ensuring the compatibility of system components. Use a single manufacturer where possible.
- C. Sand lightly between coats to achieve the required finish.
- D. Do not apply finishes on surfaces that are not sufficiently dry.
- E. Allow each coat to dry before following coats are applied.
- F. Back prime wood which is to receive paint or enamel paint, with enamel undercoater paint.
- G. Prime top and bottom edges of wood doors with enamel undercoater when they are to be painted.
- H. Apply flame retardant coating to the wood surface prior to applying stain and/or paint per manufacturer's instructions. Furnish certification of application of the flame retardant coating.
- I. The dry mil thickness of the finished system shall equal the sum of the manufacturers recommended thickness for the number of coats specified.
- J. Do not paint overrated labels.

**3.05 MECHANICAL AND ELECTRICAL EQUIPMENT**

- A. Refer to mechanical and electrical sections of these specifications, as well as Drawings, with respect to painting and finishing requirements, color coding, identification banding of equipment, ducting, piping and conduit.
- B. Remove grilles, covers and access panels for mechanical and electrical systems from location and paint separately.
- C. Finish paint primed equipment to colors selected.
- D. Prime and paint insulated and bare pipes, conduits, boxes, insulated and bare ducts, hangers, brackets, collars, and supports, except where items are plated or covered with a pre-finished coating or are not exposed-to-view.

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- E. Replace identification markings on mechanical and electrical equipment when painted over or spattered.
  - F. Paint interior surfaces of air ducts, convector and baseboard heating cabinets that are visible through grilles and louvers with one coat of flat black paint, to limit of sightline. Paint dampers exposed immediately behind louvers, grilles, convector and baseboard cabinets to match face panels, as applicable.
  - G. Paint both sides and edges of plywood backboards for electrical equipment before installing backboards and mounting equipment on them.
  - H. Color code equipment, piping, conduit, and exposed ductwork of mechanical and electrical work. Color banding and identification shall include flow arrows, naming, numbering, stenciling, etc. Color code steel yard box covers.
  - I. As work progresses and upon completion, promptly remove the paint where spilled, splashed, smeared and splattered.
  - J. During the progress of work, keep premises free from unnecessary accumulations of tools, equipment, surplus materials, and debris.
  - K. Upon completion of work, leave premises neat and clean, to satisfaction of Owner.
- 3.06 COATING EXISTING ACOUSTICAL TILE
- A. Coat per manufacturer's recommendations.
- 3.07 PAINT SYSTEMS, INTERIOR SURFACES
- A. General: As indicated in Schedule on Drawings.
  - B. Plaster and Gypsum Wallboard Walls (Eggshell), Unless Otherwise Noted:
    - 1. Eggshell Acrylic-"Low VOC" Finish (Gloss Level 3): Two finish coats over a primer.
      - a. Primer Coat (1 .4 mils DFT):
        - (1) ULTRA-GRIP Premium, Acrylic Multi-Purpose Primer (UGPROO Series).
      - b. Intermediate Coat (1.5 mils DFT):
        - (1) EVEREST@ EVER30 Low VOC Eggshell.
      - c. Final Coat (1.5 mils DFT):
        - (1) EVEREST@ EVER30 Low VOC Eggshell.
  - C. Plaster and Gypsum Wallboard Walls (Semi-Gloss), Unless Otherwise Noted:
    - 1. Semi-Gloss Acrylic-Enamel Finish (Gloss Level 5): Two finish coats over a primer.
      - a. Primer Coat (1 .4 mils DFT):
        - (1) ULTRA-GRIP Premium, Acrylic Multi-Purpose Primer (UGPROO Series).
      - b. Intermediate Coat (1 .5 mils DFT):
        - (1) EVEREST@ EVER30 Low VOC Eggshell.
      - c. Final Coat (1.5 mils DFT):
        - (1) EVEREST@ EVER30 Low VOC Eggshell.
  - D. Wood Substrates: Including wood trim and plywood backboards (Semi-Gloss):
    - 1. Semi-Gloss Acrylic-Latex System Finish (Gloss Level 5): Two finish coats over a primer.

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- a. Primer Coat \* (1.4 mils DFT):
    - (1) ULTRA-GRIP Premium, Acrylic Multi-Purpose Primer (UGPROO Series).
  - b. Intermediate Coat (1.5 mils DFT):
    - (1) EVEREST@ EVER50 Low VOC Semi-Goss.
  - c. Final Coat (1.5 mils DFT):
    - (1) EVEREST@ EVER50 Low VOC Semi-Goss.
- E. Metal Surfaces: Non-Ferrous Metals and Zinc-Coated (Galvanized) Steel.
- 1. Semi-Gloss Urethane Alkyd Enamel Finish (Gloss Level 6): Two finish coats over a primer.
    - a. Primer Coat (2.0 mils DFT):
      - (1) ULTRASHIELD@ Interior/Exterior Galvanized Metal Primer (ULGMOO).
    - b. Intermediate Coat (1.5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Semi-Gloss Paint (ASHL50).
    - c. Final coat (1.5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Semi-Goss Paint (ASHL50).
- F. Metal Surfaces: Non-Ferrous Metals and Zinc-Coated (Galvanized) Steel.
- 1. Eggshell Urethane Alkyd Enamel Finish (Gloss Level 3): Two finish coats over a primer.
    - a. Primer Coat (2.0 mils DFT):
      - (1) ULTRASHIELD@ Interior/Exterior Galvanized Metal Primer (ULGMOO).
    - b. Intermediate Coat (1.5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Eggshell Paint (ASHL30).
    - c. Final Coat (1.5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Eggshell Paint (ASHL30).
- G. Metal Surfaces: Ferrous Metals- Uncoated:
- 1. Gloss Acrylic-Enamel Finish (Gloss Level 6): Two finish coats over a primer.
    - a. Primer Coat (3.0 mils DFT):
      - (1) BLOC-RUST Premium, Rust-Preventative Metal Primer.
    - b. Intermediate Coat (1.5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior High Gloss Paint (ASHL70).
    - c. Final Coat (1.5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior High Gloss Paint (ASHL70).
- H. Concrete Masonry Unit (CMU) Walls:
- 1. Gloss Acrylic-Enamel Finish (Gloss Level 6): Two finish coats over a block filler.
    - a. Primer Coat (8.0 mils DFT):
      - (1) Smooth BLOCFIL Premium, Interior/Exterior Concrete Block Filler (SBPROO).

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- b. Intermediate Coat (1.5 mils DFT):
    - (1) EVERSIELD, Interior / Exterior 100% Acrylic Gloss Paint (EVSH60).
  - c. Final Coats (1.5 mils DFT):
    - (1) EVERSIELD, Interior / Exterior 100% Acrylic Gloss Paint (EVSH60)
- I. Concrete Walls:
- 1. Gloss Acrylic-Enamel Finish (Gloss Level 6): Two finish coats over a primer.
    - a. Primer Coat (2.0 mils DFT):
      - (1) EFF-STOP@ PREMIUM Interior/Exterior Primer/Sealer (ESPROO).
        - a) Intermediate Coat (1.5 mils DFT):
          - (1) EVERSIELD, Interior / Exterior 100% Acrylic Gloss Paint (EVSH60).
    - b. Final Coats (1 .5 mils DFT):
      - (1) EVERSIELD, Interior / Exterior 100% Acrylic Gloss Paint (EVSH60).
- 3.08 PAINT SYSTEMS, EXTERIOR SURFACES
- A. Exterior Portland Cement Plaster (Without Integral Color):
- 1. Elastomeric System:
    - a. Prime Coat: Primer, sealer,
      - (1) 1) SUPER-LOC Premium (SLPR00), at 8.0 mils (0.203 mm) wet, 3.2 mils (0.081 mm) dry.
    - b. Intermediate Coat: Elastomeric
      - (1) 1) ENDURALASTIC 10 EDLX10-0A, 100% Acrylic Ultra-Premium, at 8.0 mils (0.203 mm) wet, 3.2 mils (0.081 mm) dry.
        - a) Topcoat: Elastomeric
      - (2) ENDURALASTIC 10 EDLX10-0A, 100% Acrylic Ultra-Premium, at 26 mils wet, 13 mils dry.
- B. Wood Substrates:
- 1. Flat Acrylic Finish: Two finish coats over a primer.
    - a. Primer Coat (1 .4 mils DFT):
      - (1) ULTRA-GRIP Premium, Acrylic Multi-Purpose Primer (UGPROO Series)
    - b. Intermediate Coat (1 .5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Eggshell Paint (ASHL30).
    - c. Final Coat (1 .5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Eggshell Paint (ASHL30).
- C. Metal Surfaces: Non-Ferrous Metals and Zinc-Coated (Galvanized) Steel.
- 1. Semi-Gloss Urethane Alkyd Enamel Finish (Gloss Level 6): Two finish coats over a primer.

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- a. Primer Coat (2.0 mils DFT):
    - (1) ULTRASHIELD@ Interior/Exterior Galvanized Metal Primer (ULGMOO).
  - b. Intermediate Coat (1 .5 mils DFT):
    - (1) ARISTOSHIELD TM Interior/Exterior Semi-Gloss Paint (ASHL50).
  - c. Final Coat (1 .5 mils DFT):
    - (1) ARISTOSHIELD TM Interior/Exterior Semi-Gloss Paint (ASHL50).
- D. Metal Surfaces: Non-Ferrous Metals and Zinc-Coated (Galvanized) Steel.
- 1. Eggshell Urethane Alkyd Enamel Finish (Gloss Level 3): Two finish coats over a primer.
    - a. Primer Coat (2.0 mils DFT):
      - (1) ULTRASHIELD@ Interior/Exterior Galvanized Metal Primer (ULGMOO).
    - b. Intermediate Coat (1 .5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Eggshell Paint (ASHL30).
    - c. Final Coat (1 .5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior Eggshell Paint (ASHL30).
- E. Metal Surfaces: Ferrous Metals- Uncoated:
- 1. Gloss Acrylic-Enamel Finish (Gloss Level 6): Two finish coats over a primer.
    - a. Primer Coat (3.0 mils DFT):
      - (1) BLOC-RUST Premium, Rust-Preventative Metal Primer.
    - b. Intermediate Coat (1 .5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior High Gloss Paint (ASHL70).
    - c. Final Coat (1 .5 mils DFT):
      - (1) ARISTOSHIELD TM Interior/Exterior High Gloss Paint (ASHL70).
- F. Concrete Masonry Unit (CMU) Walls:
- 1. Gloss Acrylic-Enamel Finish (Gloss Level 6): Two finish coats over a block filler.
    - a. Primer Coat (8.0 mils DFT):
      - (1) Smooth BLOCFIL Premium, Interior/Exterior Concrete Block Filler (SBPROO).
    - b. Intermediate Coat (1 .5 mils DFT):
      - (1) EVERSIELD, Interior / Exterior I Acrylic Gloss Paint (EVSH60).
    - c. Final Coats (1.5 mils DFT):
      - (1) EVERSIELD, Interior / Exterior 100% Acrylic Gloss Paint (EVSH60).
- G. Concrete Walls:
- 1. Gloss Acrylic-Enamel Finish (Gloss Level 6): Two finish coats over a primer.
    - a. Primer Coat (2.0 mils DFT):
      - (1) EFF-STOP@ PREMIUM Interior/Exterior Primer/SeaIer (ESPROO).
    - b. Intermediate Coat (1 .5 mils DFT):



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- (1) 1 ) EVERSIELD, Interior / Exterior 100% Acrylic Gloss Paint (EVSH60).

c. Final Coats (1 .5 mils DFT):

- (1) EVERSIELD, Interior / Exterior 100% Acrylic Gloss Paint (EVSH60).

**END OF SECTION**

## **ADDENDUM 2: SECTION 32 1216 ASPHALT PAVING**

### **PART 1 - GENERAL**

#### **1.01 SECTION INCLUDES**

- A. Aggregate base course.
- B. Single course bituminous concrete paving.
- C. Double course bituminous concrete paving.
- D. Surface sealer.

#### **1.02 REFERENCE STANDARDS**

- A. AI MS-2 - Asphalt Mix Design Methods; 2015.
- B. AI MS-19 - Basic Asphalt Emulsion Manual; 2008.
- C. ASTM D946 - Standard Specification for Penetration-Graded Asphalt Cement for Use in Pavement Construction; 2009a.

#### **1.03 QUALITY ASSURANCE**

- A. Perform Work in accordance with County of San Diego Public Works Department standards.
- B. Mixing Plant: Complying with County of San Diego Public Works Department standards.
- C. Obtain materials from same source throughout.

#### **1.04 FIELD CONDITIONS**

- A. Do not place asphalt when ambient air or base surface temperature is less than 40 degrees F, or surface is wet or frozen.
- B. Place bitumen mixture when temperature is not more than 15 F degrees below bitumen supplier's bill of lading and not more than maximum specified temperature.

### **PART 2 - PRODUCTS**

#### **2.01 REGULATORY REQUIREMENTS**

- A. Comply with applicable code for paving work on public property.

#### **2.02 MATERIALS**

- A. Asphalt Cement: ASTM D946.
- B. Aggregate for Base Course: In accordance with County of San Diego Public Works Department standards.
- C. Aggregate for Binder Course: In accordance with County of San Diego Public Works Department standards.
- D. Aggregate for Wearing Course: In accordance with County of San Diego Public Works Department standards.
- E. Fine Aggregate: In accordance with County of San Diego Public Works Department standards.
- F. Mineral Filler: Finely ground particles of limestone, hydrated lime or other mineral dust, free of foreign matter.
- G. Primer: Homogeneous, medium curing, liquid asphalt.

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H. Tack Coat: Homogeneous, medium curing, liquid asphalt.

I. Seal Coat: AI MS-19, slurry type.

**2.03 ASPHALT PAVING MIXES AND MIX DESIGN**

A. Asphalt Base Course: 3.0 to 6 percent of asphalt cement by weight in mixture in accordance with AI MS-2.

B. Asphalt Binder Course: 4.5 to 6 percent of asphalt cement by weight in mixture in accordance with AI MS-2..

C. Asphalt Wearing Course: 5 to 7 percent of asphalt cement by weight in mixture in accordance with AI MS-2.

**PART 3 - EXECUTION**

**3.01 EXAMINATION**

A. Verify that compacted subgrade is dry and ready to support paving and imposed loads.

B. Verify gradients and elevations of base are correct.

**3.02 AGGREGATE BASE COURSE**

A. Place and compact aggregate base course.

**3.03 PREPARATION - PRIMER**

A. Apply primer in accordance with manufacturer's instructions.

B. Apply primer on aggregate base or subbase at uniform rate of 1/3 gal/sq yd.

C. Use clean sand to blot excess primer.

**3.04 PREPARATION - TACK COAT**

A. Apply tack coat in accordance with manufacturer's instructions.

B. Apply tack coat on asphalt or concrete surfaces over subgrade surface at uniform rate of 1/3 gal/sq yd.

C. Coat surfaces of manhole frames with oil to prevent bond with asphalt pavement. Do not tack coat these surfaces.

**3.05 PLACING ASPHALT PAVEMENT - SINGLE COURSE**

A. Install Work in accordance with In accordance with County of San Diego Public Works Department standards.

B. Place asphalt within 24 hours of applying primer or tack coat.

C. Compact pavement by rolling to specified density. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.

D. Perform rolling with consecutive passes to achieve even and smooth finish without roller marks.

**3.06 PLACING ASPHALT PAVEMENT - DOUBLE COURSE**

A. Place asphalt binder course within 24 hours of applying primer or tack coat.

B. Place asphalt wearing course within two hours of placing and compacting binder course.

C. Compact pavement by rolling to specified density. Do not displace or extrude pavement from position. Hand compact in areas inaccessible to rolling equipment.

D. Perform rolling with consecutive passes to achieve even and smooth finish, without roller marks.

**3.07 SEAL COAT**

A. Apply seal coat to asphalt surface course and asphalt curbs in accordance with AI MS-19.

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3.08 TOLERANCES

- A. Flatness: Maximum variation of 1/4 inch measured with 10 foot straight edge.
- B. Variation from True Elevation: Within 1/2 inch.

3.09 FIELD QUALITY CONTROL

- A. See Section 01 4500, for general requirements for quality control.
- B. Provide field inspection and testing. Take samples and perform tests in accordance with AI MS-2.

3.10 PROTECTION

- A. Immediately after placement, protect pavement from mechanical injury until surface temperature is less than 140 degrees F.

3.11 SCHEDULE

- A. Pavement at Parking Areas: Two courses; binder course of 2-1/2 inch compacted thickness and wearing course of 1 inch compacted thickness, fog seal coat.

**END OF SECTION**

## ADDENDUM 2: SECTION 32 1726 TACTILE WARNING SURFACING

### PART 1 - GENERAL

#### 1.01 SECTION INCLUDES

- A. Recessed detectable warning system for pedestrian walking surfaces.

#### 1.02 RELATED REQUIREMENTS

- A. Section 32 1313 - Concrete Paving: Concrete sidewalks.

#### 1.03 REFERENCE STANDARDS

- A. California Building Code, Volume 1, Chapter 11B.
  - 1. 49 CFR 37 - Transportation Services for Individuals with Disabilities (ADA) current edition.
  - 2. ADA Standards - Americans with Disabilities Act (ADA) Standards for Accessible Design 2010.
  - 3. ATBCB PROWAG - Proposed Accessibility Guidelines for Pedestrian Facilities in the Public Right-of-Way 2011.
  - 4. SAE AMS-STD-595 - Colors Used in Government Procurement 2017a.

#### 1.SUBMITTALS

- A. See Section 01 3300, for submittal procedures.
- B. Product Data: Submit manufacturer's product data, standard details, details specific to this project; written installation and maintenance instructions.
- C. Shop Drawings: Submit plan and detail drawings. Indicate:
  - 1. Locations on project site. Demonstrate compliance with referenced accessibility standards.
  - 2. Sizes and layout.
  - 3. Pattern spacing and orientation.
  - 4. Attachment and fastener details, if applicable
- D. Manufacturer's Qualification Statement.
- E. Installer's Qualification Statement.
- F. Warranty: Submit manufacturer warranty; complete forms in Owner's name and register with manufacturer.

#### 1.05 DELIVERY, STORAGE, AND HANDLING

- A. Deliver to project site in manufacturer's protective wrapping and in manufacturer's unopened packaging.
- B. Store covered and elevated above grade and in manufacturer's unopened packaging until ready for installation. Maintain at ambient temperature between 40 and 90 degrees F.

#### 1.06 WARRANTY

- A. See Section 01 7836, for additional warranty requirements.

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- B. Plastic Tiles: Provide manufacturer's standard five-year warranty against manufacturing defects, breakage or deformation.

**1.07 REGULATORY REQUIREMENTS**

- A. Detectable warning surfaces shall comply with CBC Section 11B-705.1
- B. Detectable warning surfaces at curb ramps and hazardous vehicular areas shall be yellow and approximate FS 33538 of SAE-AMS-STD-595A and CBC Section 11B-705.1.1.3.1

**PART 2 - PRODUCTS**

**2.01 MANUFACTURERS**

- A. Plastic Tactile and Detectable Warning Surface Tiles:
  - 1. Vanguard Detectable Warning.
  - 2. ADA Solutions, LLC: [www.adatale.com/#sle](http://www.adatale.com/#sle).
  - 3. Armor-Tile, a brand of Engineered Plastics, Inc: [www.armortiletransit.com/#sle](http://www.armortiletransit.com/#sle).
  - 4. Substitutions: See Division 1.

**2.02 TACTILE AND DETECTABLE WARNING DEVICES**

- A. Plastic Tactile and Detectable Warning Tiles: ADA Standards and 2022 CBC compliant, glass fiber and carbon fiber reinforced, exterior grade, matte finish polyester sheet with truncated dome pattern, solid color throughout, internal reinforcing of sheet and of truncated domes, integral radius cut lines on back face of tile; with factory-applied removable protective sheeting.
  - 1. Material Properties:
    - a. Water Absorption: 0.20 percent, maximum, when tested in accordance with ASTM D570.
    - b. Slip Resistance: 0.50 minimum dry static coefficient of friction, when tested in accordance with ASTM D2047.
    - c. Compressive Strength: 25,000 pounds per square inch, minimum, when tested in accordance with ASTM D695.
    - d. Tensile Strength: 10,000 pounds per square inch, minimum, when tested in accordance with ASTM D638.
    - e. Flexural Strength: 25,000 pounds per square inch minimum, when tested in accordance with ASTM D790.
    - f. Chemical Stain Resistance: No reaction to 1 percent hydrochloric acid, motor oil, calcium chloride, gum, soap solution, bleach, or antifreeze, when tested in accordance with ASTM D543.
    - g. Chemical Stain Resistance: No reaction to 1 percent hydrochloric acid, motor oil, calcium chloride, gum, soap solution, bleach, or antifreeze, when tested in accordance with ASTM D1308.
    - h. Abrasion Resistance: 300, minimum, when tested in accordance with ASTM C501.
    - i. Flame Spread Index: 25, maximum, when tested in accordance with ASTM E84.
    - j. Accelerated Weathering: Delta-E of less than 5.0 at 2,000 hours exposure, when tested in accordance with ASTM G155.
    - k. Adhesion: No delamination of tile prior to board failure in a temperature range of 20 to 180 degrees F, when tested in accordance with ASTM C903.

**TACTILE WARNING SURFACING**

**SDCOE COUNTY ADMIN. CENTER PAVING BLDG. 600**  
**SAN DIEGO COUNTY OFFICE OF EDUCATION**

1. Loading: No damage when tested according to AASHTO LRFD test method HS20.
- m. Salt and Spray Performance: No deterioration or other defect after 200 hours of exposure, when tested in accordance with ASTM B117.
2. Installation Method: Cast-in-place, recessed..
3. Shape: Rectangular.
4. Dimensions: As detailed on Drawings.
5. Pattern: In-line pattern of truncated domes complying with ADA Standards and 2022 CBC.
6. Edge: Square.
7. Joint: Butt.
8. Color: SAE AMS-STD-595, Table IV, Federal Yellow No. 33538.
9. Products:
  - a. Vanguard Liquid Applied Detectable Warning System.
- B. Accessories:
  1. Fasteners: ASTM A666, Type 304 stainless steel
    - a. Type: Countersunk, color matched composite sleeve anchors
    - b. Size: 1/4 inch diameter and 1-1/2 inches long.
  2. Sealant: Elastomeric sealant of color to match adjacent surfaces; approved by surfacing tile manufacturer.

**PART 3 - EXECUTION**

**3.01 EXAMINATION**

- A. When installation location is near site boundary or property line, verify required location using property survey.
- B. Verify that work area is ready to receive work:
  1. If existing conditions are not as required to properly complete the work of this section, notify Architect.
  2. Do not proceed with installation until deficiencies in existing conditions have been corrected.
- C. Verify that dimensions, tolerances, and attachment methods for work in this section are properly coordinated with other work on site.

**3.02 INSTALLATION, GENERAL**

- A. Install in accordance with manufacturer's written instructions.
  1. Do not install damaged, warped, bowed, dented, abraded, or otherwise defective units.
  2. Do not install when ambient or substrate temperature has been below 40 degrees F during the preceding 8 daylight hours.
- B. Field Adjustment:
  1. Locate relative to curb line in compliance with ATBCB PROWAG, Sections 304 and 305.
  2. Orient so dome pattern is aligned with the direction of ramp.
  3. Align truncated dome pattern between adjacent units.

**RIDGEMOOR E.S. TK-K CLASSROOMS**  
**MENIFEE UNION SCHOOL DISTRICT**

- C. Install units fully seated to substrate, square to straight edges and flat to required slope.
- D. Align units so that tops of adjacent units are flush and joints between units are uniform in width.

**3.03 INSTALLATION, CAST IN PLACE PLASTIC TILES**

- A. Concrete:
  - 1. See Section 32 1313 - Concrete Paving.
  - 2. Slump: 4 percent.
- B. When installing multiple adjacent units, leave a 3/16 inch gap between units to allow for expansion.
- C. Tamp and vibrate units as recommended by manufacturer.
- D. Place and position weights on units while concrete cures as recommended by manufacturer. Ensure no voids or air pockets exist between top surface of concrete and underside of units.

**3.04 PROTECTION**

- A. Protect installed units from traffic, subsequent construction operations or other imposed loads until concrete is fully cured.
- B. Touch-up, repair or replace damaged products prior to Date of Substantial Completion.

**END OF SECTION**



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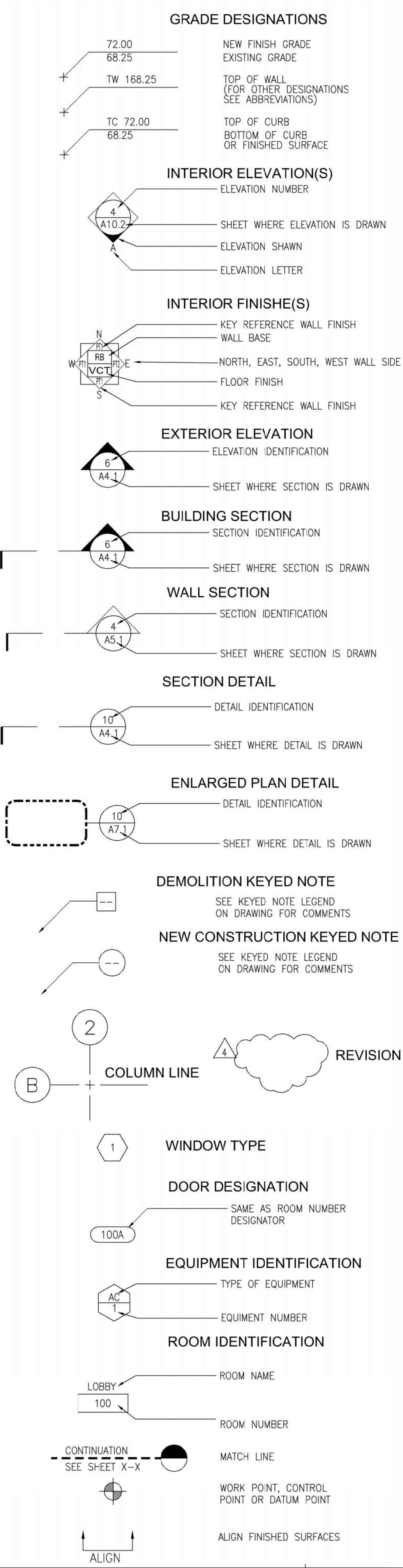
## GENERAL NOTES

- COORDINATION AND CLARITY:** FOR THE CLARITY OF SEPARATE ITEMS OF WORK, STRUCTURAL, MECHANICAL, PLUMBING, ELECTRICAL, CIVIL AND LANDSCAPING ITEMS MAY NOT APPEAR ON THE ARCHITECTURAL DRAWINGS. THE INTENT OF THE PLANS AND SPECIFICATIONS IS TO COMPLEMENT EACH OTHER, AND WHAT REQUIRED BY ONE SHALL BE REQUIRED BY ALL.
- JOB SITE OBSERVATIONS:** THE ARCHITECT AND CONSULTANT ENGINEERS WILL MAKE VISITS TO THE JOB SITE TO OBSERVE THE WORK TO DETERMINE, IN GENERAL, IF THE WORK IS BEING PERFORMED IN A MANNER INDICATING THAT THE WORK, WHEN COMPLETED, WILL BE IN ACCORDANCE WITH THE CONTRACT DOCUMENTS. THE JOB SITE OBSERVATIONS BY THE ARCHITECT AND CONSULTANT ENGINEERS DO NOT RELIEVE THE CONTRACTOR ANY OF HIS RESPONSIBILITY. THE JOB SITE OBSERVATION BY THE ARCHITECT AND CONSULTANT ENGINEERS DO NOT IN ANY WAY MEAN THAT THE ARCHITECT OR ENGINEER IS A GUARANTOR OF THE CONTRACTOR'S WORK, IN CONTROL OF THE SAFETY IN, ON, OR ABOUT THE JOB SITE, IN CONTROL OF THE SAFETY OR ADEQUACY OF ANY EQUIPMENT, BUILDING COMPONENT, SCAFFOLDING, FORMS, OR OTHER WORK AIDS; OR SUPERINTENDING THE WORK.
- DEFECTS IN THE WORK:** IF THE ARCHITECT OR CONSULTING ENGINEERS FIND DEFECTS IN THE WORK, THEY WILL NOTIFY THE CONTRACTOR SO THAT THE DEFECT MAY BE CORRECTED. IT IS NOT THE INTENT, UNDER ANY CIRCUMSTANCES, FOR THE ARCHITECT OR CONSULTING ENGINEER TO BECOME A GUARANTOR OF THE CONTRACTOR'S PERFORMANCE BY THESE ACTIVITIES. THE FACT THAT A CONSTRUCTION DEFECT OR ERROR GOES UNDETECTED DURING A JOB SITE OBSERVATION VISIT SHALL NOT MAKE THE ARCHITECT OR CONSULTING ENGINEERS NEGLIGENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE DISCOVERY AND CORRECTIONS OF CONSTRUCTION DEFECTS AND ERRORS IN THE WORK, AND THE CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES AND THE SAFETY PRECAUTIONS REQUIRED FOR COMPLETING THE WORK AS INDICATE BY THE CONTRACT DOCUMENTS.
- DETERIORATION OR EXISTING NON-COMPLIANT CONSTRUCTION:** IT IS THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CCR. SHOULD ANY EXISTING CONDITION SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT ADDRESSED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CCR, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE SAN DIEGO COUNTY OFFICE OF EDUCATION BOARD BEFORE PROCEEDING WITH THE WORK.
- EXISTING UTILITIES:** THE LOCATION OF EXISTING UNDERGROUND UTILITIES, IF SHOWN ON THE DRAWINGS, ARE SHOWN IN AN APPROXIMATE WAY ONLY, AND HAVE NOT BEEN INDEPENDENTLY VERIFIED BY THE DISTRICT OR ITS REPRESENTATIVES. SHOULD UNIDENTIFIED UTILITIES BE DISCOVERED BY THE CONTRACTOR IN THE COURSE OF THE WORK, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE OWNER, AND SHALL UNDERTAKE WHATEVER EMERGENCY PROCEDURES HE DEEMS NECESSARY TO PROTECT PERSONS AND PROPERTY. THE OWNER SHALL REIMBURSE THE CONTRACTOR COST OF SUCH REPAIRS, IN ACCORDANCE WITH THE GENERAL CONDITIONS. SHOULD THE CONTRACTOR DAMAGE A SITE UTILITY WHICH, BY REASONABLE CARE AND THE PERFORMANCE OF THE ABOVE PROCEDURES, THE CONTRACTOR SHOULD HAVE HAD KNOWLEDGE OF, THE CONTRACTOR SHALL BEAR THE COST OF REPAIR OF SUCH UTILITY, AND ANY COSTS THE DISTRICT MAY INCUR AS A RESULT OF THAT DAMAGE. IN ADDITION, THE DISTRICT MAY ASSESS THE CONTRACTOR FOR LIQUIDATED DAMAGES DUE TO THE DELAY CAUSED BY THE CONTRACTOR'S NEGLIGENCE.
- ADDENDA:** CHANGES OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS PRIOR TO LETTING A CONSTRUCTION CONTRACT FOR THE WORK INVOLVED SHALL BE MADE MEANS OF ADDENDA. ADDENDA SHALL BE MANUALLY SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF PREPARATION OF THE PLANS AND SPECIFICATIONS AND BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR THE PORTION AFFECTED BY THE ADDENDA AND SHALL BE APPROVED BY THE SAN DIEGO COUNTY OF EDUCATION BOUARD AS REQUIRED BY SECTION 4-338, PART 1, CCR PRIOR TO CONSTRUCTION OF THE RELEVANT WORK. ONE COPY IS REQUIRED FOR THE FILES OF THE SAN DIEGO COUNTY OFFICE OF EDUCATION BOARD
- CONSTRUCTION CHANGE DOCUMENT (CCD):** CHANGE OR ALTERATIONS OF THE APPROVED PLANS OR SPECIFICATIONS AFTER A CONTRACT FOR THE WORK HAS BEEN LET SHALL BE MADE BY MEANS OF CONSTRUCTION CHANGE DOCUMENT. CONSTRUCTION CHANGE DOCUMENTS SHALL STATE THE REASON FOR THE CHANGE AND SHALL BE ACCOMPANIED BY SUPPLEMENTARY DRAWINGS WHERE NECESSARY. ALL CONSTRUCTION CHANGE DOCUMENTS SHALL BE MANUALLY SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE OF OBSERVATION OF THE WORK OF CONSTRUCTION OF THE PROJECT AND BY THE ARCHITECT OR REGISTERED ENGINEER DELEGATED RESPONSIBILITY FOR OBSERVATION OF THE PORTION OF THE WORK OF CONSTRUCTION AFFECTED BY THE CONSTRUCTION CHANGE DOCUMENT AND SHALL BEAR THE APPROVAL OF THE SAN DIEGO COUNTY OF EDUCATION BOARD AS REQUIRED BY SECTION 4-338, PART 1, CCR PRIOR TO CONSTRUCTION OF THE RELEVANT WORK. ONE COPY OF EACH CONSTRUCTION CHANGE DOCUMENT IS REQUIRED FOR THE FILES OF THE SAN DIEGO COUNTY OFFICE OF EDUCATION BOARD
- FIRE AUTHORITY:** THE FIRE AUTHORITY HAVING JURISDICTION SHALL BE CONSULTED REGARDING ACCESS ROADS, GATES IN PERIMETER FENCES, LOCATION OF FIRE HYDRANTS, FIRE DEPARTMENT CONNECTIONS, PORTABLE FIRE EXTINGUISHERS, AND FIRE PROTECTION DURING CONSTRUCTION.
- PROJECT INSPECTOR:** A PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY SCHOOL BOARD SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED SECTION 4-342, PART 1, TITLE 24, CCR. THE PROJECT INSPECTOR SHALL BE CERTIFIED BY DSA TO INSPECT CLASS 2 CONSTRUCTION.
- TESTING LABORATORY:** A DISTRICT ACCEPTED TESTING LABORATORY DIRECTLY EMPLOYED BY THE SAN DIEGO COUNTY OFFICE OF EDUCATION SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- ALL WORK SHALL:** CONFORM TO TITLE 24 AND TITLE 19, 2022 CALIFORNIA CODE OF REGULATIONS (CCR).
- ALL WORK SHALL:** CONFORM TO CHAPTER 33 - FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION OF A BUILDING, 2022 CALIFORNIA FIRE CODE (CFC)
- MAINTAIN EXIT ROUTES:** REQUIRED MEANS OF EGRESS SHALL BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION
- GRADING:** GRADING PLANS, DRAINAGE IMPROVEMENTS, ROAD ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.

## ABBREVIATIONS

at	at	ceramic mosaic (tile)	EWC	electric water cooler	HC	hollow core	MJLL	mullion	REIN	reinforced (concrete pipe)	TOW	top of wall
AS.C.T.M.	at	concrete masonry unit	EXH	exhaust	HOB	hardboard	MWP	membrane waterproofing	RES	resilient	TO PLY	top of plywood
AV	air conditioning	COMB	existing	EXIST	HDR	header	N	North	RET	return	TPD	toilet paper dispenser
AB	anchor bolt	COMB	combination	EXP	HOW	hardware	NAT	natural	REV	revision	TPTN	toilet partition
ABV	above	COMPT	composition	EXT	HOWD	hardwood	NC	not in contract	RFV	roofing	TR	transom
AC	acoustic	FAB	fabrication	FAB	HEX	hexagonal	NOM	nominal	RFND	recessed feminine napkin disposal	TS	top of steel
ACCOUST	acoustic ceiling panel	FB	face brick	FB	HORIZ	horizontal	NR	noise reduction	RHNS	recessed feminine napkin dispenser	TSCD	toilet seat cover dispenser
ACP	asphaltic concrete paving	CONN	connection(s)(or)	FBD	fiberboard		NRC	noise reduction coefficient	RO	roof	TV	television
ACT	acoustical tile	CONST	construction	FBO	furnished by others	HP	OBL	oblique	RHB	recessed hose bibb	TYP	typical
AD	area drain	CONT	continuous or continue	FD	floor drain	HR	O/C	on center(s)	RJ	roof jack	U.B.C.	Uniform Building Code
ADD	addendum	CONTR	contractor(s)	FEN	foundation	HT	OD	outside diameter	RL	roof ladder	U.L.	Underswriters' Laboratory
ADJ	adjacent	CORRUG	corrugated	FE	fire extinguisher	HTG	OPD	overflow drain	RM	room	U.N.O.	unless noted otherwise
ADJUST	adjustable	CPT	carpet	FEC	fire extinguisher cabinet	HVAC	OFS	overflow scupper	RHO	right-of-way	UC	underscut
AF	above finished floor	CRS	countersink	FF	finish floor	HWH	OH	overhead	ROD	roof overflow drain	UNFN	unfinished
AGG	aggregate	CS	countersink	FFE	finished floor elevation	I.C.B.O.	OPG	opening	ROW	right-of-way	UR	urinal
AL	alternate	CT	ceramic tile	FGL	fiberglass	ID	OPP	opposite	RPTD	recessed paper towel dispenser	VAR	varies
ALUM	aluminum	CTR	counter	FH	fire hydrant	IN	PAR	parallel	RPTD	recessed paper towel receptacle	VB	vapor barrier
ANOD	anodized	CTSK	countersink screw	FMC	fire hose cabinet	INCL	PAR	parallel	RPTD	recessed paper towel receptacle	VCR	video cassette recorder/player
AP	access panel	CUST	custodian	FHMS	flush machine screw	INSUL	PART.BD	particle board	RSCD	recessed seat cover dispenser	VCT	vinyl composition tile
APPROX	approximate	CWP	carpet with pad	FHWS	flushed wood screw	INT	PCC	pre-cast concrete	RTPD	recessed toilet paper dispenser	VERT	vertical
ARCH	architect(ural)	DBL.ACT.	double acting	FIN	finished(e)	JPS	PCF	pounds per cubic foot	RTSB	rubber topset base	VEST	vestibule
AUTO	automatic	DEMO	demolish, demolition	FIN.FLR	finished floor line	JC	PCPL	Portland cement plaster	RWC	rainwater conductor	VF	vinyl fabric
BD	board	DIA	drinking fountain	FL	flow line	JST	PH	panic hardware	S	South	VFL	vertical grain
BL	below	DH	double hung	FLR	floor	PKG	PKG	parking	S.F.M.	State Fire Marshal	VPL	veneer plaster
BRT	building	FLSH	flushing	FLSH	flushing	KIT	PL	properly line	S.Y.	square yard	VS	vent stack
BLK	block	FLUR	fluorescent	FLUR	fluorescent	KO	PL	plate	SAR	supply air register	VTS	vinyl wrapped tack surface
BLKG	blocking	FND	feminine napkin disposal	FND	feminine napkin disposal	KS	PL GL	plate glass	SC	solid core	VWC	vinyl wall covering
BM	benchmark	FCC	face of concrete	FCC	face of concrete	L	PLAM	high pressure plastic laminate	SCB	sheet cover base	VWP	vinyl wrapped panel
BOT	bottom	FOD	face of finish	FOD	face of finish	L.G.	PLAS	liquid propane gas	SCH	schedule	W	West
BP	blank panel	FOM	face of masonry	FOM	face of masonry	LAB	PLF	pounds per lineal foot	SD	storm drain	W	width, wide
BRS	bearing	FOS	face of studs	FOS	face of studs	LAM	PLVD	plywood	SECT	section	W.I.C.	Woodworking Institute of Ca.
BTH	both sides	FP	fireproof	FP	fireproof	LAV	PNL	panel	SFGL	safety glass	W	with
BW	both ways	FRM(G)	frame(d)(ing)	FRM(G)	frame(d)(ing)	LB	PSF	pounds per square foot	SHT	sheet	W/O	without
C.A.C.	California Administrative Code	FRT	fire-resistant	FRT	fire-resistant	LBL	PSF	pounds per square foot	SHTG	sheathing	WB	wood base
C.C.R.	California Code of Regulations	DW	drywall	DW	drywall	LLT	PT	pounds per square inch	SKYL	skylight	WC	water closet
C.F.	cubic foot	DWG	drawing	DWG	drawing	LT	PTD	pressure treated douglas fir	SNT	sealant	WD	wood
C.F.O.	cubic yard	DWR	drawer	DWR	drawer	LTV	PTD	pressure treated douglas fir	SPEC	specification(s)	WID	wired glass
C.Y.	cubic yard	E	East	E	East	CA	PTDF	pressure treated douglas fir	SQ	square	WH	wallhung
CABT	cabinet	EA	each	EA	each	GALV	PTG	flat paint	SAF	self adhering flashing membrane	WI	wrought iron
CAD	cadmium	EB	expansion bolt	EB	expansion bolt	GGBR	PTG	gloss paint	SS	stainless steel	WJ	wakened plane joint
CB	catch basin	GC	general contractor	GC	general contractor	MB	PTR	paper towel receptacle	STA	station	WKT	walk top
CEM	cement	GJ	glue	GJ	glue	MECH	PTS	semi-gloss paint	STC	sound transmission coefficient	WP	waterproofing
CEP	ceramic	GCU	glaze concrete masonry units	GCU	glaze concrete masonry units	MECH	PVC	polyvinyl chloride	STD	standard	WPT	working point
CF	ceramic granule flooring	GL	gutter drain	GL	gutter drain	MECH	PVMT	pavement	STL	steel	WR	water repellent
CHD	chalkboard	GI	galvanized iron	GI	galvanized iron	MECH	PWJ	plywood web joint	STR	storage	WRB	water resistive barrier
CI	cast iron	GLB	glued laminated beam	GLB	glued laminated beam	MECH	QT	quarry tile	SUS	suspended	WSC	wainscot
CIP	cast-in-place concrete	GPR	gypsum plaster	GPR	gypsum plaster	MECH	QT	quarry tile	SUSP	suspended	WT	weight
CL	ceiling	GR	grading	GR	grading	MECH	RAD	radius	SYST	system	WTR	water
CLF	chain link fence	GRT	gasket	GRT	gasket	MECH	RAR	return air register	T	tread	WTW	wall to wall
CLS	ceiling	GSK	gasket	GSK	gasket	MECH	RB	rubber base	TAC	tactum acoustic panel	YG	existing grade
		GUV	gravity vent	GUV	gravity vent	MECH	RBR	rubber carpet base	TEL	telephone	YD	yard
		GWB	gypsum drywall	GWB	gypsum drywall	MECH	RD	roof drain	THK	thickness		
		EQ	equipment	EQ	equipment	MECH	RWD	redwood	TOGLB	top of glued laminated beam		
		GWX	extra strong	GWX	extra strong	MECH	REF	reference	TOC	top of concrete		
		GYP	gypsum	GYP	gypsum	MECH	REFL	reflect(ed)(ive)(or)	TOP	top of parapet		
		FW	earth way	FW	earth way	MECH	REFR	refrigerator	TOS	top of sheathing		

## SYMBOL LEGEND



# San Diego County Office of Education

PROJECT:  
**Paving Bldg. 611**

PROJECT TRACKING NUMBER: TBD

## CONTACT INFORMATION

OWNER: SAN DIEGO COUNTY OFFICE OF EDUCATION  
CONTACT: ERIC BERG  
COORDINATOR, MAINTENANCE & OPERATIONS  
PHONE: (858) 295-6896  
ADDRESS: 6401 LINDA VISTA ROAD  
SAN DIEGO, CA 92111

ARCHITECT: MGPA ARCHITECTURE  
CONTACT: FRED H. GUALDA, PRINCIPAL  
PHONE: (760) 473-9809  
ADDRESS: 6965 EL CAMINO REAL #105-278  
CARLSBAD, CA 92009

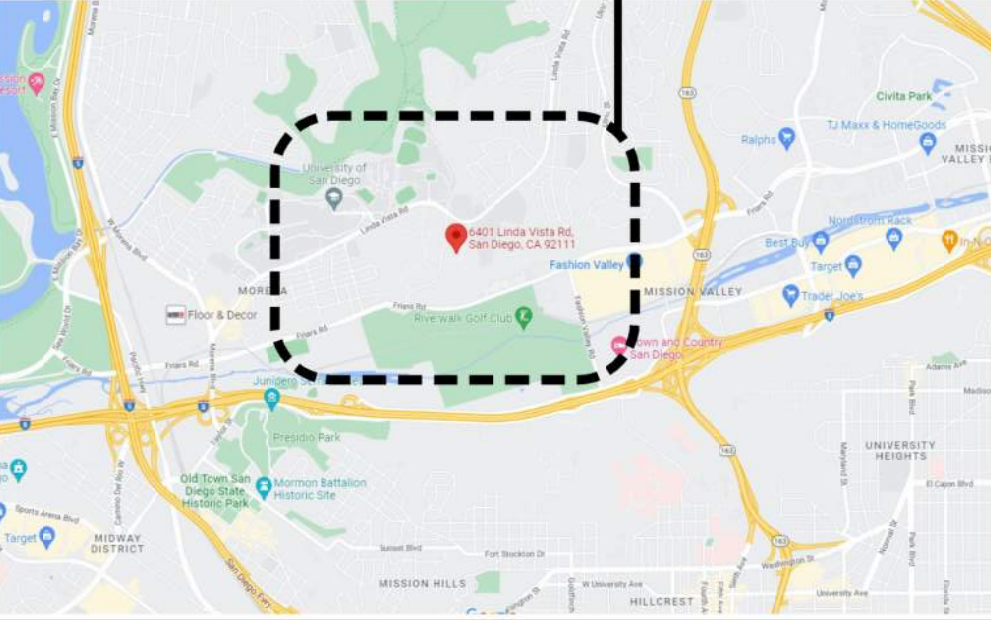
ARCHITECT: MGPA ARCHITECTURE  
CONTACT: KATHERINE L. TRABADO, PM  
PHONE: (760) 668-5473  
ADDRESS: 6965 EL CAMINO REAL #105-278  
CARLSBAD, CA 92009

## PROJECT DATA

PROJECT NAME: PAVING BUILDING 600  
DISTRICT/OWNER: SAN DIEGO OFFICE COUNTY EDUCATION  
DIRECTOR OF FACILITIES: ERIC BERG  
DISTRICT ADDRESS: 6401 LINDA VISTA Rd, CA 92111  
ASSESSORS PARCEL NO.: XXXXX  
LEGAL DESCRIPTION: XXXXX  
SITE ADDRESS: 6401 LINDA VISTA RD  
SAN DIEGO, CA 92111  
ACREAGE: 10 AC  
SCHOOL CAPACITY: 949 STUDENTS

## VICINITY MAP

**PROJECT ADDRESS**  
SAN DIEGO OFFICE COUNTY EDUCATION  
6401 LINDA VISTA RD.  
SAN DIEGO, CA. 92111



## INDEX OF DRAWINGS

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GENERAL NOTES, SYMBOLS, ABBREVIATIONS  
**ARCHITECTURAL SITE SHEETS**  
AS-0.1 EXISTING SITE PLAN  
AS-1.0 EXISTING TOPOGRAPHIC ENLARGED SITE PLAN  
**ARCHITECTURAL SHEETS**  
A-1.1 ENLARGED DEMO SITE PLAN  
A-1.2 ENLARGED NEW SITE PLAN  
A-2.1 ELEVATIONS AND SECTIONS  
**DETAIL SHEETS**  
Ad6.1 SITE DETAIL  
Ad6.2 SITE DETAIL  
Ad6.3 SITE DETAIL  
**LANDSCAPE AND IRRIGATION COORDINATION SHEETS**  
L-1.1 LANDSCAPE PLAN (TOTAL 10 SHEETS)

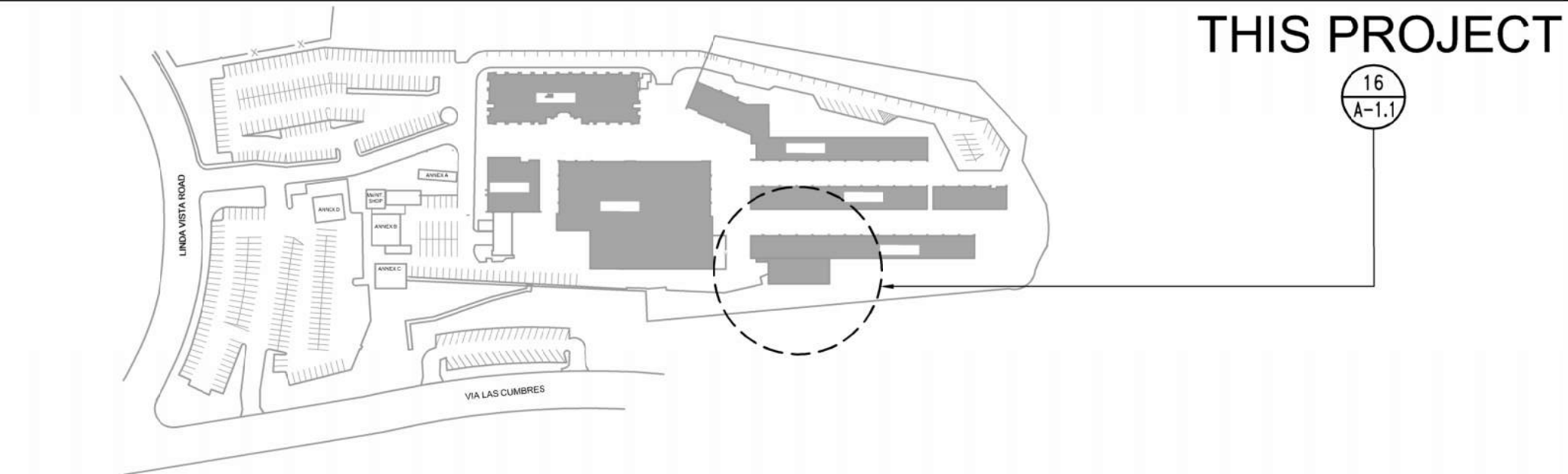
## APPLICABLE CODES & STANDARDS

**PARTIAL LIST OF APPLICABLE CODES AS OF January 1, 2023**  
2022 California Administrative Code (CAC), Part 1, Title 24 CCR  
2022 California Building Code (CBC), Part 2, Volumes 1 and 2, Title 24 CCR  
2022 California Electrical Code (CEC), Part 3, Title 24 CCR  
2022 California Mechanical Code (CMC), Part 4, Title 24 CCR  
2022 California Plumbing Code (CPC), Part 5, Title 24 CCR  
2022 California Energy Code (CEC), Part 6, Title 24 CCR  
2022 California Fire Code (CFC), Part 9, Title 24 CCR  
2022 California Existing Building Code (CEBC), Part 10, Title 24 CCR  
2022 California Green Building Standards Code (CALGreen), Part 11, Title 24 CCR  
2022 California Referenced Standards Code, Part 12, Title 24 CCR  
Title 19 CCR, Public Safety, State Fire Marshal Regulations

## PROJECT DESCRIPTION

NEW PAVING AREA FOR BUILDING 600, PROVIDING NEW RAMPS, ACCESSIBLE LANDINGS AND ENTRANCE TO BUILDING AND A SIDE PATHWALK TO THE BACK OF BUILDING, CREATING A COURT YARD AREA WITH NEW LANDSCAPE.

## OVERALL PLAN



Issue Date:

Revisions:

2 ADDENDUM 2 04.18.2024

Drawn By/Checked:

RFCK/LT

Manufacturer:

Consultant:

Job No.: OECAC03

SAN DIEGO OFFICE  
COUNTY EDUCATION  
PAVING BUILDING 611  
6401 LINDA VISTA RD.  
SAN DIEGO, CA 92111

for  
SAN DIEGO COUNTY  
OFFICE OF EDUCATION  
SAN DIEGO  
CALIFORNIA



**MGPA ARCHITECTURE**  
An Architectural Corporation  
Mailing: 6965 El Camino Real, Suites 105-278  
Carlsbad, CA 92009  
Tele: (760) 929-1500  
www.mgpaia.com



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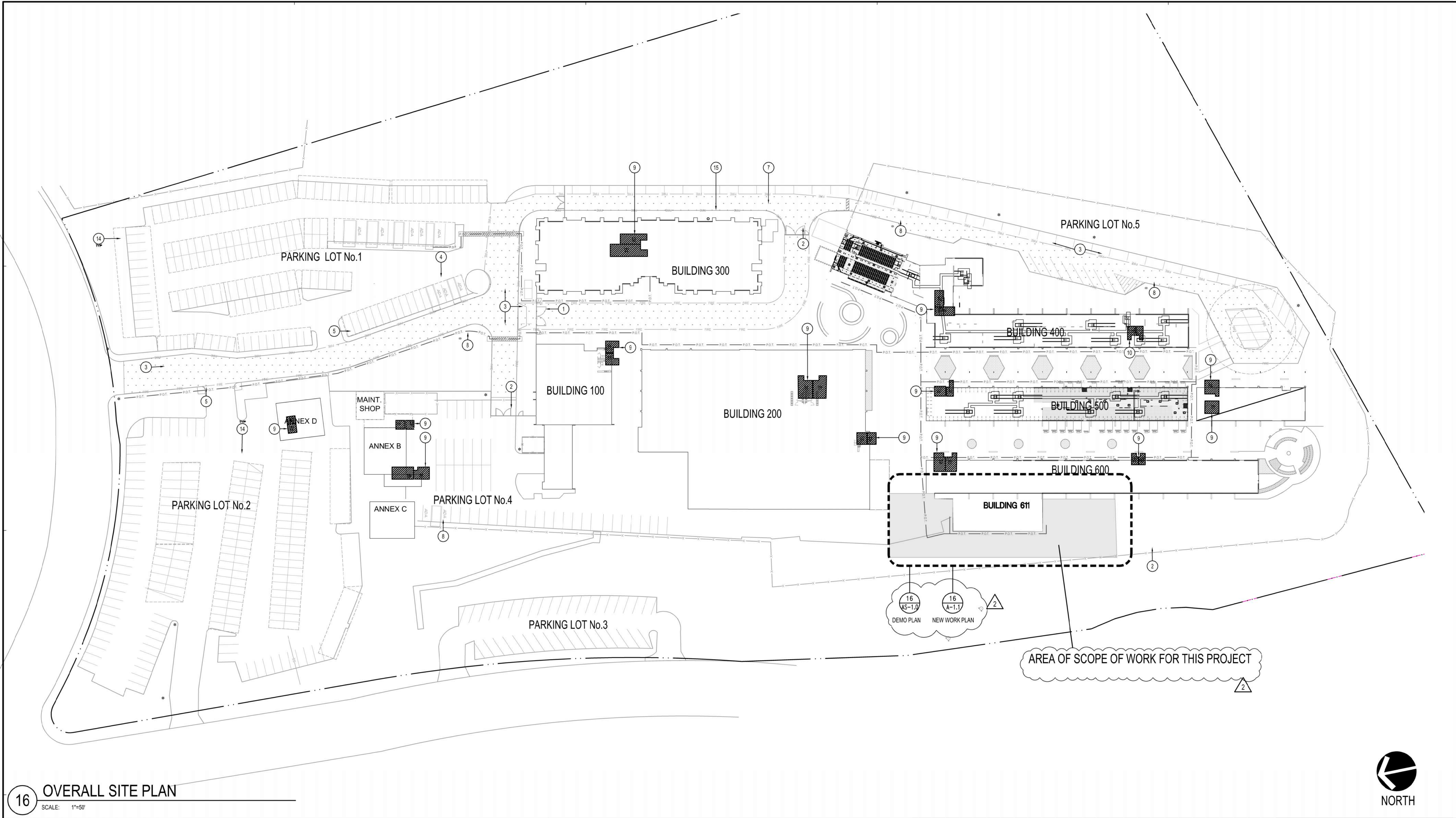
TITLE SHEET  
INDEX OF DRAWINGS

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## 16 OVERALL SITE PLAN

SCALE: 1"=50'

### KEYNOTES

- EXISTING MAIN ENTRANCE
- EXISTING CHAIN-LIKE FENCE REMAIN
- EXISTING FIRE ACCESS GATE
- EXISTING CAR ACCESSIBLE PARKING SIGN
- EXISTING VAN ACCESSIBLE PARKING SIGN
- EXISTING ACCESSIBLE PASSENGER LOADING ZONE
- EXISTING PARKING TOW AWAY SIGN
- EXISTING FIRE HYDRANT
- EXISTING RESTROOMS
- EXISTING ACCESSIBLE RESTROOMS
- EXISTING DRINKING FOUNTAIN
- EXISTING ORNAMENTAL FENCE
- EXISTING GATE SIGN
- EXISTING SOLAR PANEL SHADE STRUCTURES
- EXISTING POINT OF FIRE VALVES CONECTIONS

### PARKING COUNT SUMMARY IMPROVED

	STANDARD CARS	ACCESSIBLE STANDARD SPACES	ACCESSIBLE VAN SPACES	TOTAL ACCESSIBLE SPACES	TOTAL CAR SPACES
PARKING LOT 1	3	0	1	1	178
PARKING LOT 2	3	0	1	1	179
PARKING LOT 3	3	0	1	1	36
PARKING LOT 4	3	0	1	1	44
PARKING LOT 5	3	0	1	1	66

### GENERAL NOTES

- CONTRACTOR SHALL REPAIR OR REPLACE ANY DAMAGE CAUSED DURING CONSTRUCTION TO EXISTING CONCRETE PAVING & WALL FINISHES. RETURN TO ORIGINAL CONDITION.
- CONTRACTOR SHALL COORDINATE DEMOLITION WITH NEW WORK & SAFELY CAP ALL AFFECTED UTILITIES.
- CONTRACTOR SHALL DISPOSE ALL CONSTRUCTION DEBRIS OFF-SITE IN A LEGAL MANNER.

### LEGEND

	FIRE ROUTE	M	MALE RESTROOM
	AREA OF ARCHITECTURAL SCOPE OF WORK	W	WOMAN RESTROOM
	FENCE	G	ALL GENDDER RESTROOM
	PROPERTY LINE	⊕	EXISTING FIRE HYDRANT
	PATH OF TRAVEL, NOTE PER CBS CHAPTER 118-202.4 IN ALTERATIONS, ADDITIONS 6 STRCUTURAL REPAIR		
	NO PARKING FIRE LINE		

Issue Date:  
01.05.2024  
Revisions:

2 ADDENDUM 2 04.18.2024

Drawn By/Checked:

Manufacturer:

Consultant:

Job N°: OECAC03

SAN DIEGO OFFICE  
COUNTY EDUCATION  
PAVING BUILDING 611  
6401 LINDA VISTA RD.  
SAN DIEGO, CA 92111

for  
SAN DIEGO COUNTY  
OFFICE OF EDUCATION  
SAN DIEGO  
CALIFORNIA



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ARCHITECTURE

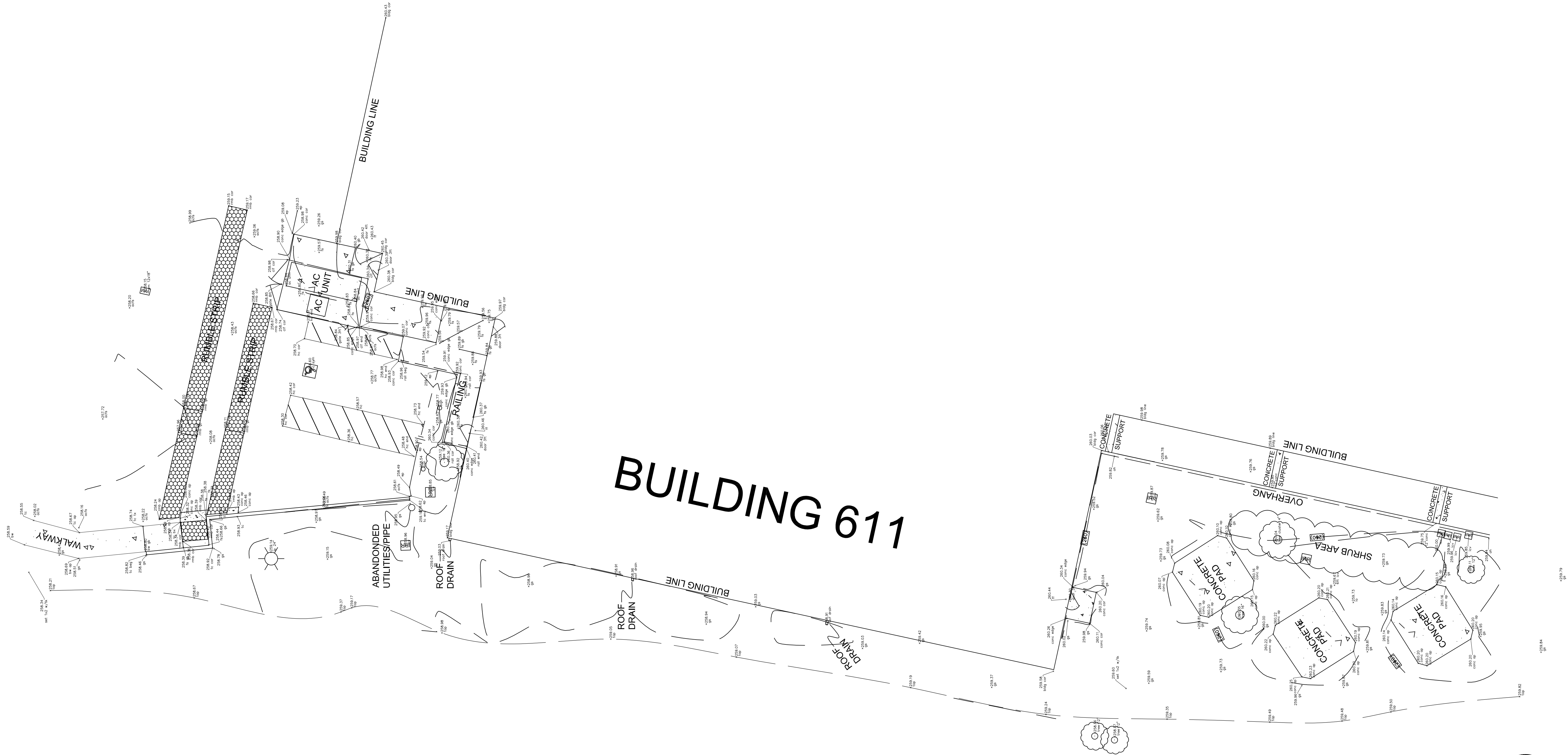
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SITE PLAN

Sheet Number:

AS-01

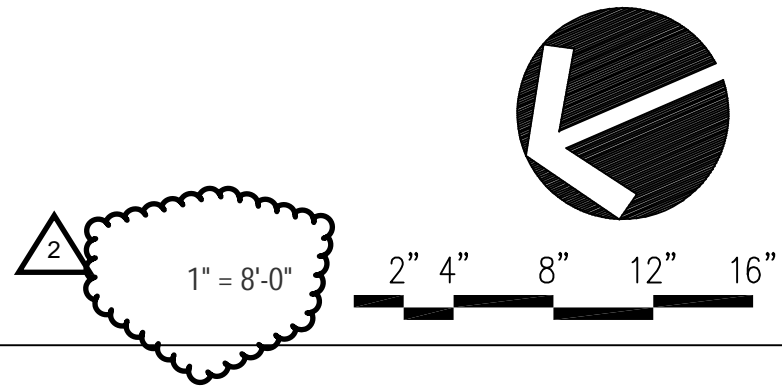




16 TOPOGRAPHIC PLAN  
SCALE: 1" = 8'-0"

LEGEND

- |            |                  |          |                    |
|------------|------------------|----------|--------------------|
| —X—X—      | CHAINLINK FENCE  | IRF      | IRRIGATION CONTROL |
| [Pattern]  | CONCRETE         | [Sun]    | LIGHT              |
| [Arc]      | DOOR             | [Grid]   | RUMBLE STRIPS      |
| —●—●—      | EDGE OF PAVEMENT | [Circle] | SIGN               |
| [X]        | GATE             |          |                    |
| [Handicap] | HANDICAP PARKING |          |                    |
| ---        | HAND RAIL        |          |                    |



Issue Date:

Revisions:

2 ADDENDUM 2 04.18.2024

Drawn By/Checked:

Manufacturer:

Consultant:

Job N°: OECEAC03

SAN DIEGO OFFICE  
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6401 LINDA VISTA RD.  
SAN DIEGO, CA 92111  
for  
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Sheet Title:

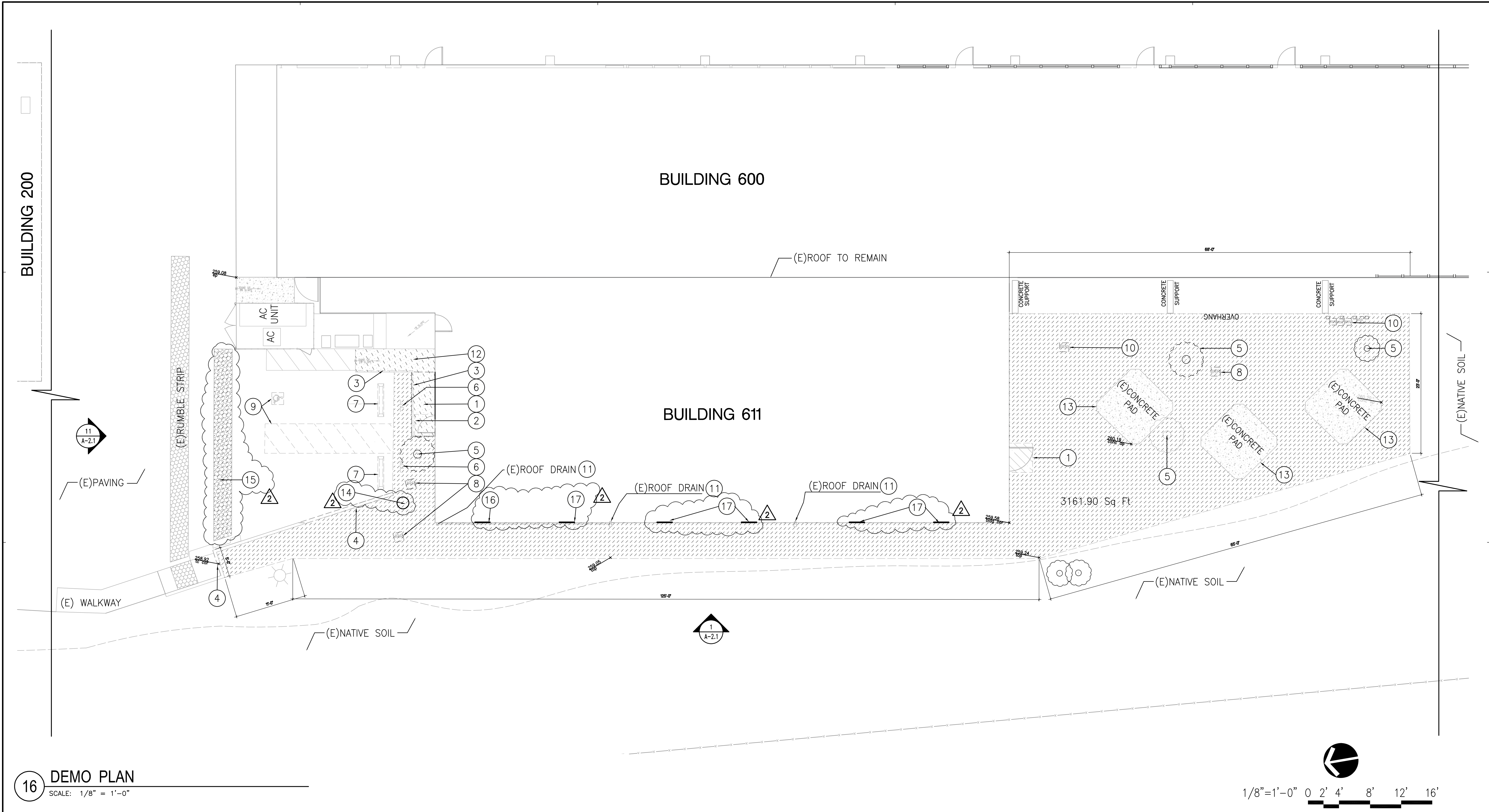
EXISTING TOPOGRAPHIC  
PARTIAL SITE PLAN

Sheet Number:

AS-1.0



File Path & Name: Z:\Shared\Outside Consultant\OECAC01 County Admin Center Modernization\01 Drawing\Block  
Apr 18, 2024 - 12:55 pm



16 DEMO PLAN  
SCALE: 1/8" = 1'-0"

DEMO KEYNOTES #	LEGEND	GENERAL NOTES	KEY PLAN
<div>1. DEMOLISH EXISTING EXTERIOR LANDING</div> <div>2. DEMOLISH EXISTING CANOPY</div> <div>3. DEMOLISH EXISTING HANDRAIL</div> <div>4. DEMOLISH PARTIAL OF EXISTING CONCRETE CURB</div> <div>5. DEMOLISH EXISTING TREE</div> <div>6. DEMOLISH EXISTING PARKING SIGN</div> <div>7. REMOVE EXISTING PARKING WHEEL STOP</div> <div>8. MOVE AND REROUTE (E) IRRIGATION BOX TO NEW LOCATION OUTSIDE OF NEW CONCRETE</div> <div>9. DISCHARGE EXISTING PAVING MARKING</div> <div>10. (E) LANDSCAPE BOXES TO REMAIN IN PLACE</div> <div>11. EXISTING ROOF DRAIN TO REMAIN, PROTECT IN PLACE</div> <div>12. DEMO (E) REINFORCED CONCRETE PAVING 5" THICK</div> <div>13. (E) CONCRETE SLAB TO REMAIN PROTECT IN PLACE</div> <div>14. CAP AND ABANDONED EXISTING UTILITIES AND PIPE</div> <div>15. DEMOLISH EXISTING RUMBLE STRIP IN THE ASPHALT PAVING AND PREPARE FOR RESURFACE ASPHALTIC PAVING</div> <div>16. (E) VENT TO REMOVE AND CAP</div> <div>17. (E) VENT TO REMAIN AND PROTECT IN PLACE</div>	<div><div></div><div>(E) CONCRETE SLAB TO REMAIN PROTECT IN PLACE</div></div> <div><div></div><div>AREA OF SITE CLEARING AND FINISH GRADING FOR PROPOSED ELEVATIONS</div></div> <div><div></div><div>SAW CUT AND DEMOLISH EXISTING CONCRETE LANDING AND RAMP</div></div>		<div></div> <div>BUILDING 611</div>

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01.05.2024

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2 ADDENDUM 2 04.18.2024

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Sheet Title:  
ENLARGED  
DEMOLITION PLAN

Sheet Number:  
A-1.1



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BUILDING 200

BUILDING 600

BUILDING 611  
FINISH FLOOR 260.44

16 NEW PLAN  
SCALE: 1/8" = 1'-0"

NEW KEYNOTES

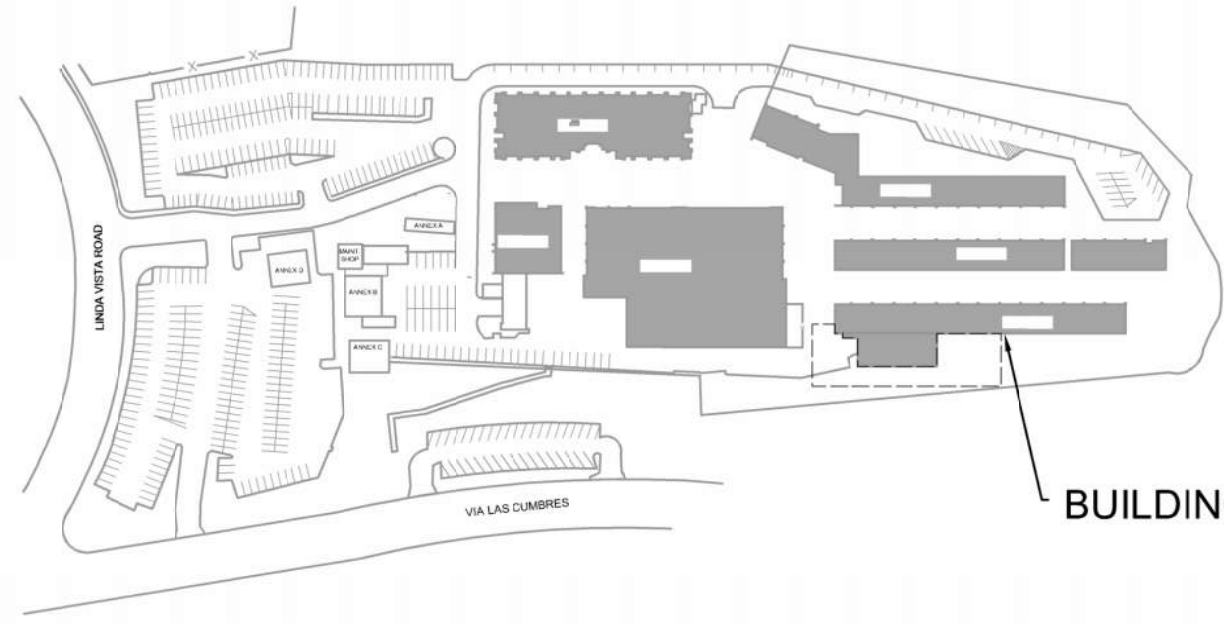
- 1 NEW ACCESSIBLE RAMP
- 2 NEW HANDRAIL, SEE DETAIL 12/Ad6.1
- 3 NEW CANOPY, SEE SECTION 16/Ad6.2
- 4 NEW STEEL COLUMN, SEE DETAIL 5, 6, 7, 8, 9 AND 10/Ad6.2
- 5 RELOCATED IRRIGATION BOX
- 6 NEW ACCESSIBLE SIGN, SEE DETAIL 3/Ad6.2
- 7 NEW PARKING WHEEL STOP, SEE DETAIL 2/Ad6.2
- 8 NEW PAVING MARKINGS, SEE DETAIL 1/Ad6.2
- 9 NEW CONCRETE PAVING PER DETAIL 2 & 7/Ad6.1
- 10 (E) CONCRETE SLAB TO REMAIN PROTECT IN PLACE
- 11 (E) DETECTABLE RUMBLE STRIP TO REMAIN IN PLACE
- 12 NEW CATCH BASING PER DETAIL 6/Ad6.1
- 13 PROVIDE WARNING STRIPES PER DETAIL 4/Ad6.2
- 14 NEW 4" THICK CONCRETE SLAB PER DETAIL 2/Ad6.1 & 7/Ad6.1
- 15 UNDERGOUND, DRAINAGE 4" PIPE
- 16 NEW GUTTER TO MATCH EXISTING BLDG. GUTTER PER DETAIL 16/Ad6.3
- 17 NEW 4" THICK CONCRETE RAMP PER 2/Ad6., SLOPE PER PLAN
- 18 NEW DETECTABLE WARNING MAT PER DETAIL 1/Ad6.2
- 19 NEW ASPHALT RESURFACING AREA

- 20 EXISTING ROOF DRAIN TO REMAIN, LOCATE (E) STORM DRAIN PIPE FOR CONNECTIONS AS SHOWN.
- 21 CAP AND ABANDON EXISTING VENT
- 22 EXISTING VENT TO REMAIN, PROTECT IN PLACE
- 23 EXISTING ROOF DRAIN TO REMAIN, PROTECT IN PLACE
- 24 PLANTER AREA

LEGEND

- NEW CONCRETE SLAB +/- 2375 SQ.F.T
- NEW HANDRAIL +/- 175 L.F.T.  
HANDRAIL STANCHION
- SPOT ELEVATION (SPOTS IN PARENTHESES ARE EXISTING)

KEY PLAN



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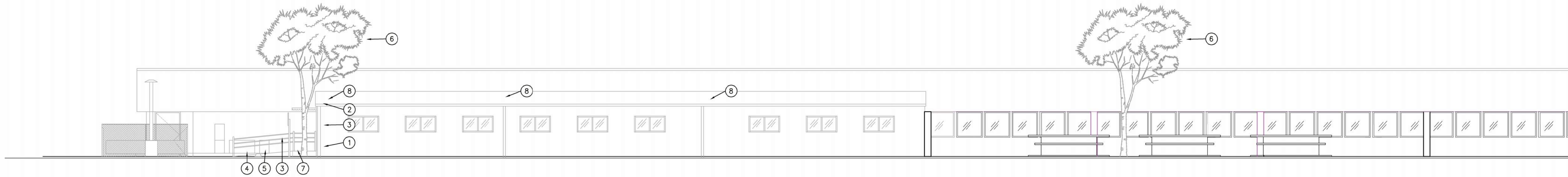
ENLARGED NEW  
PLAN

Sheet Number:

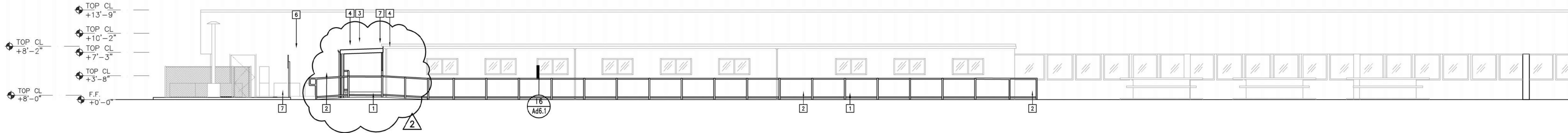
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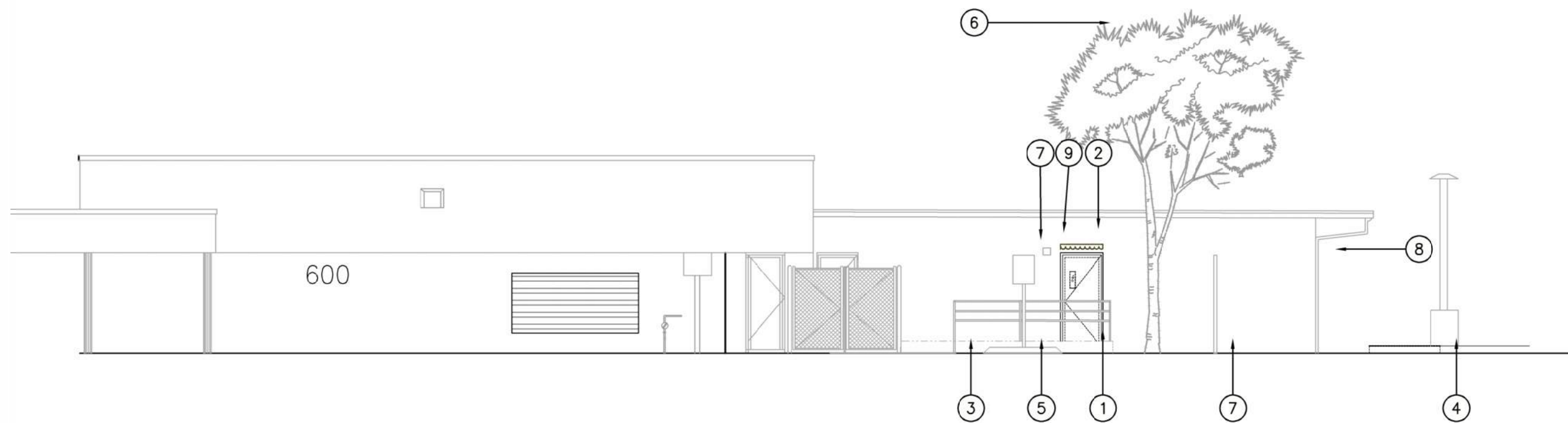
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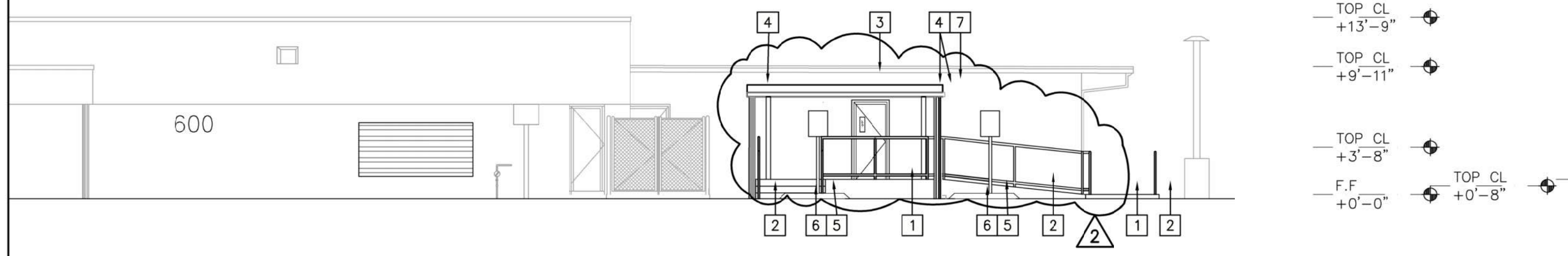
**1 DEMO WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



**6 NEW WEST ELEVATION**  
SCALE: 1/8" = 1'-0"



**11 DEMO NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"



**13 NEW NORTH ELEVATION**  
SCALE: 1/8" = 1'-0"

**DEMO KEYNOTES**

1. DEMOLISH EXISTING EXTERIOR RAMP
2. DEMOLISH EXISTING CANOPY
3. DEMOLISH EXISTING HANDRAIL
4. DEMOLISH PARTIAL OF EXISTING CONCRETE CURB
5. REMOVE EXISTING PARKING WHEEL STOP
6. DEMOLISH EXISTING TREE
7. DEMOLISH EXISTING SIGN POST AND FOOTING
8. EXISTING ROOF DRAIN TO REMAIN, PROTECT IN PLACE
9. DEMOLISH WALL MOUNT LIGHT, KEEP ELECTRICAL WIRE TO CONECT NEW LIGH

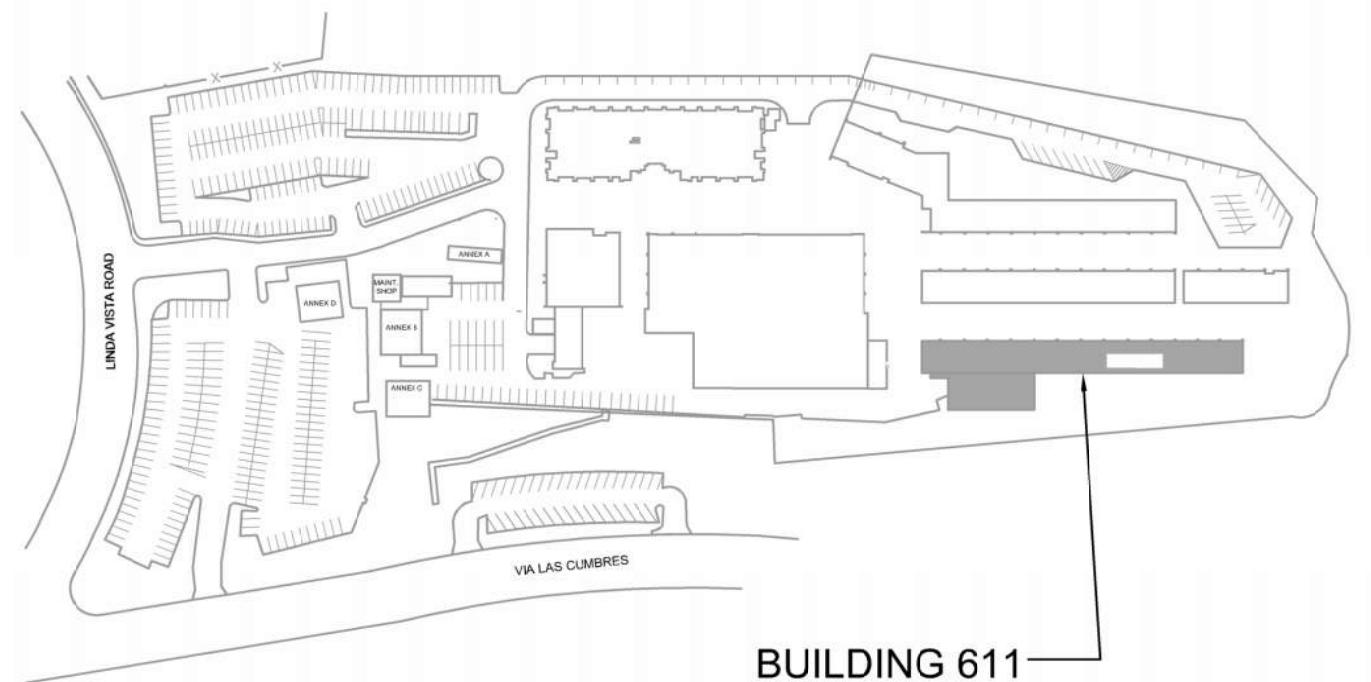
**NEW KEYNOTES**

1. NEW RAMP
2. NEW HANDRAIL
3. NEW CANOPY
4. NEW STEEL COLUMN
5. NEW ACCESIBLE SIGN
6. NEW PARKING WHEEL STOP
7. NEW CONTOUR BOX GUTTER MATCH TO EXISTING BLDG GUTTER

**GENERAL NOTES**

**KEY PLAN**

**KEY PLAN**



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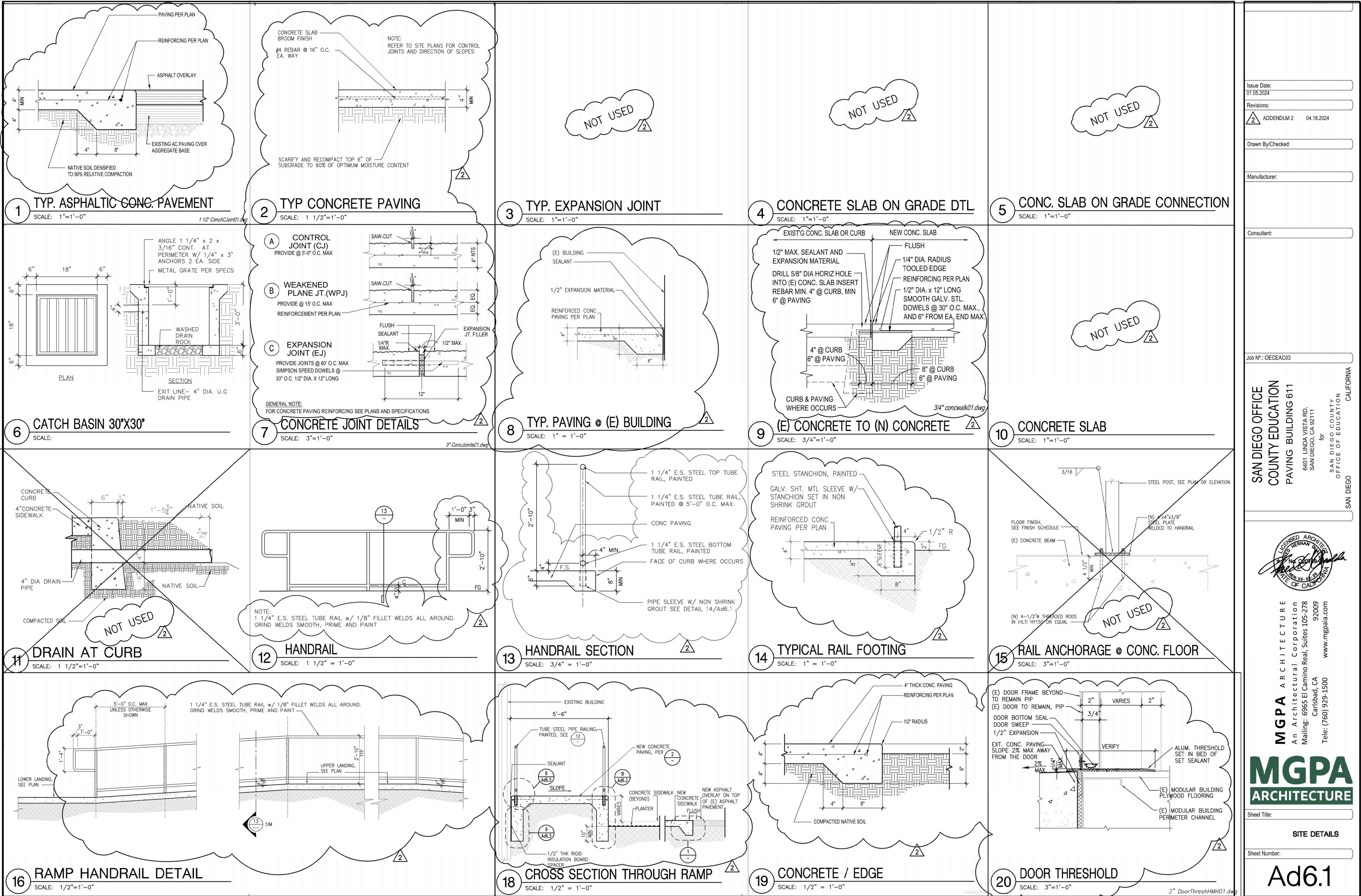
**DEMO & NEW**  
**EXTERIOR ELEVATIONS**

Sheet Number:

**A-2.1**



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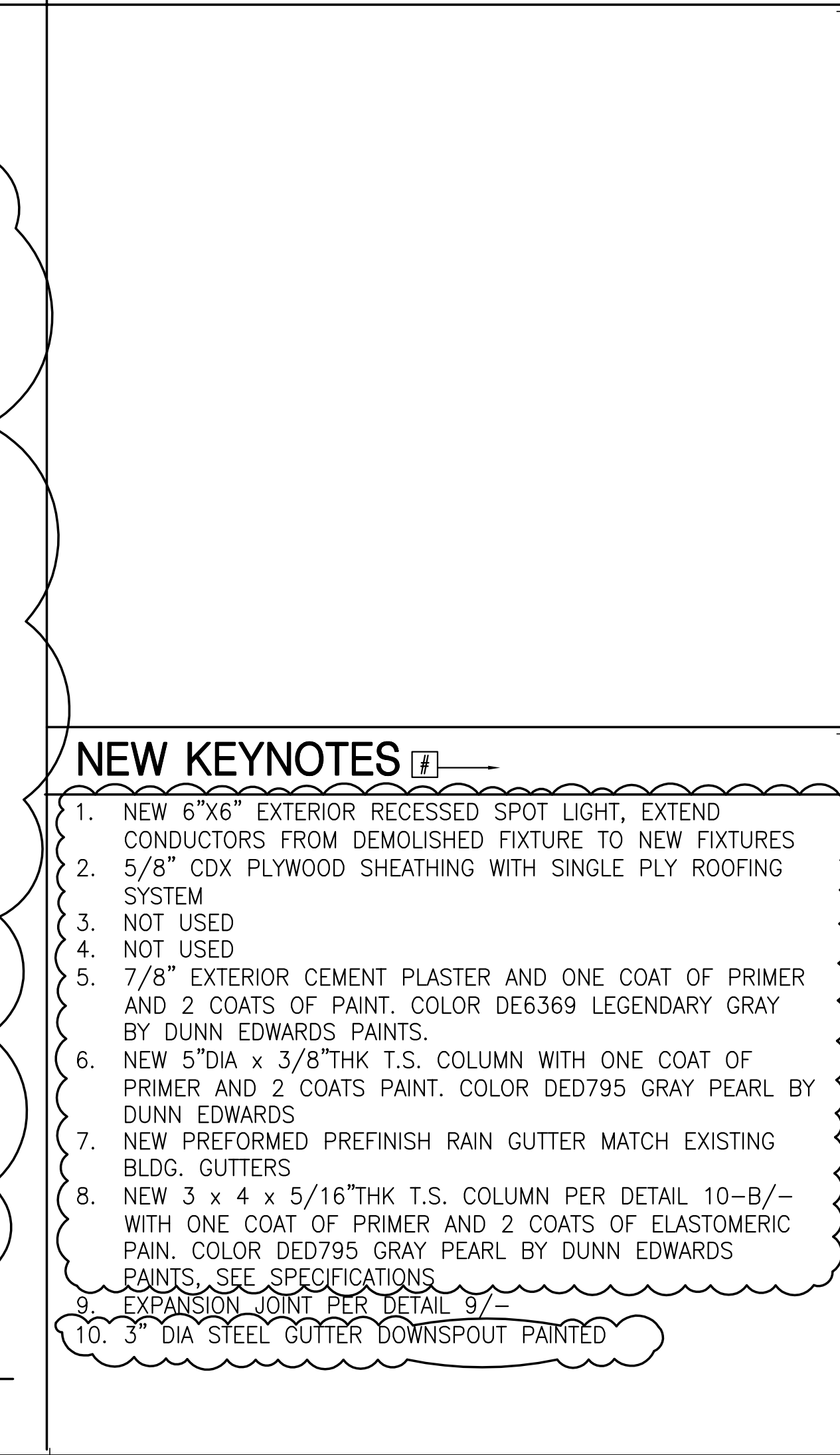
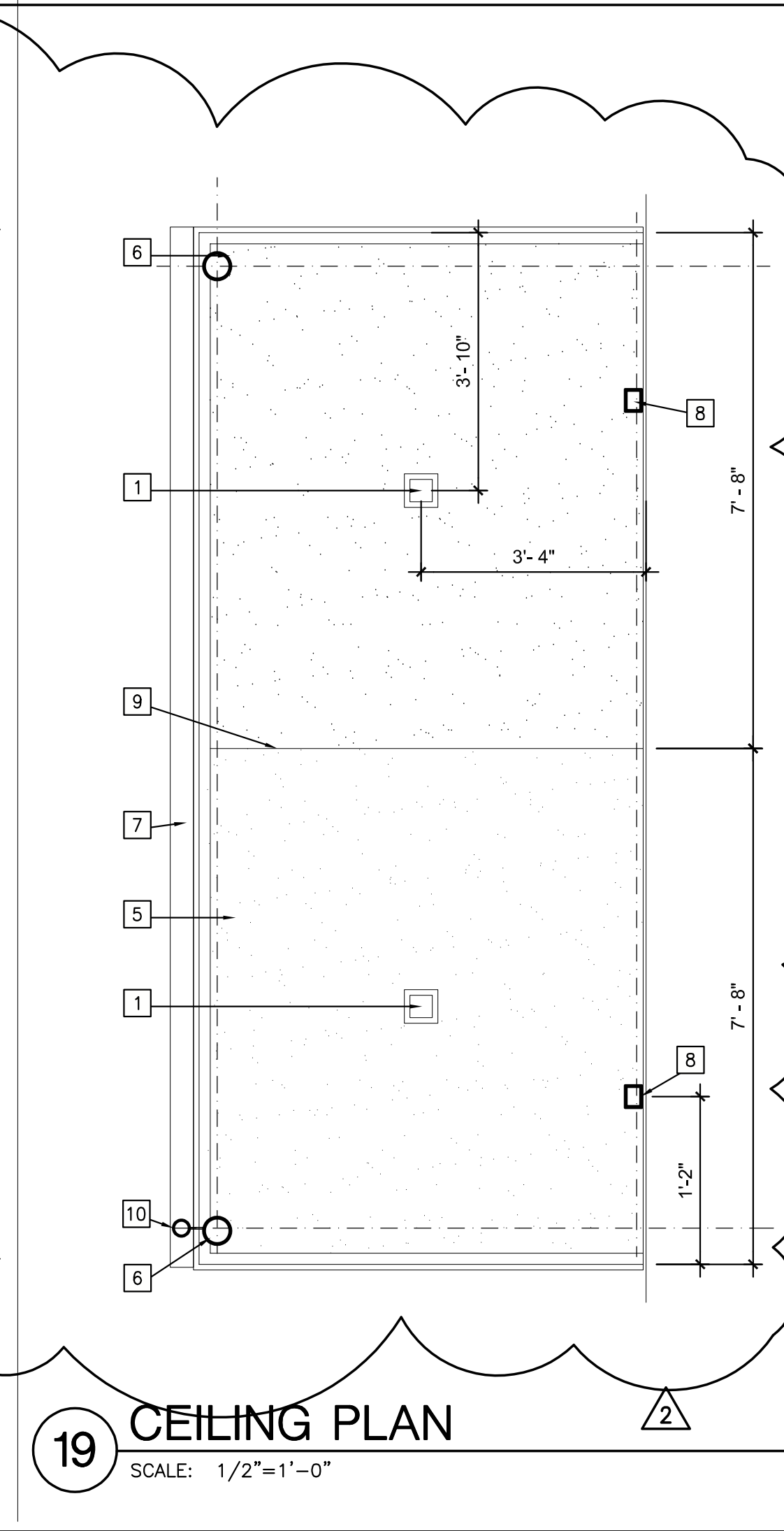
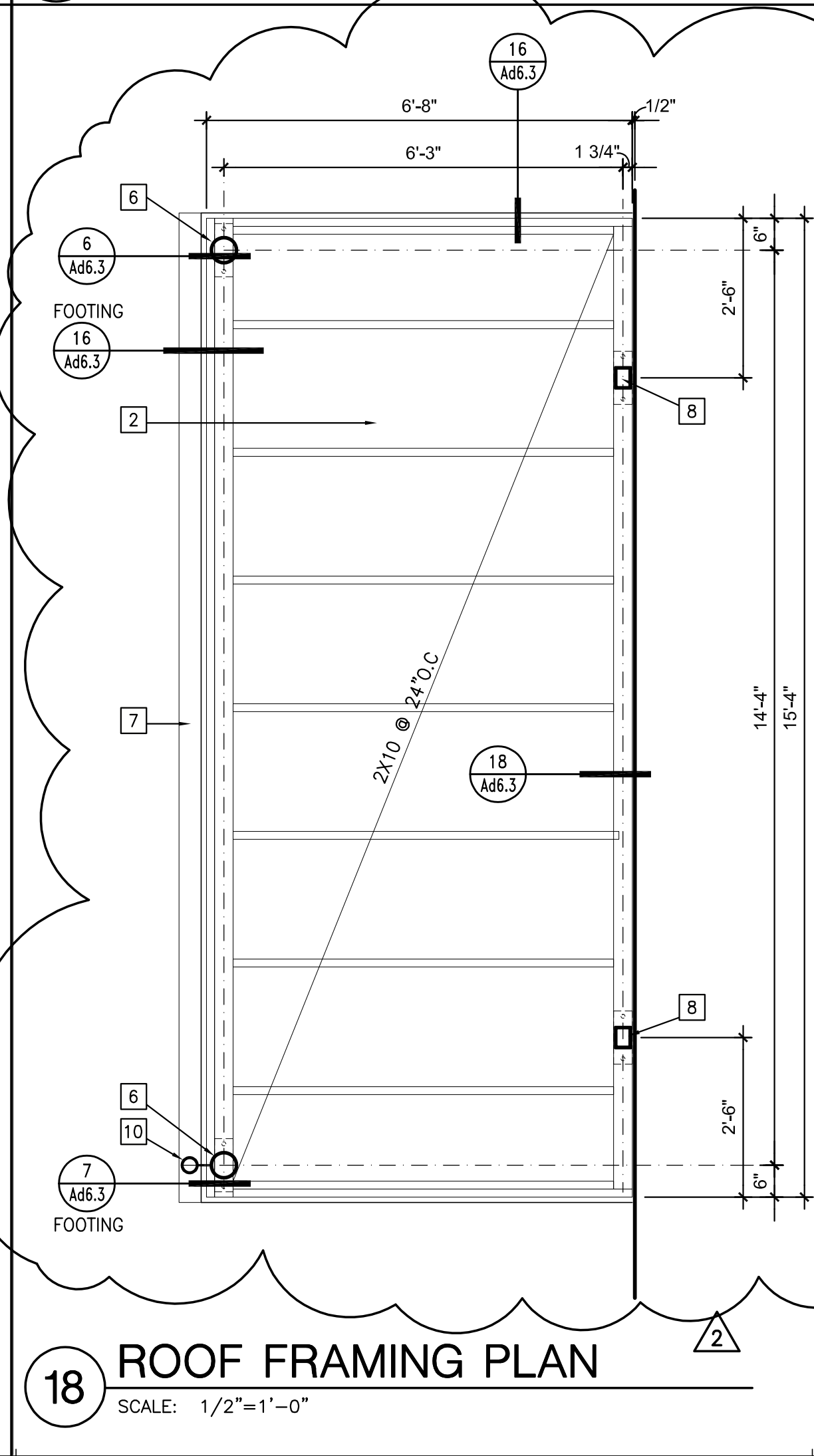
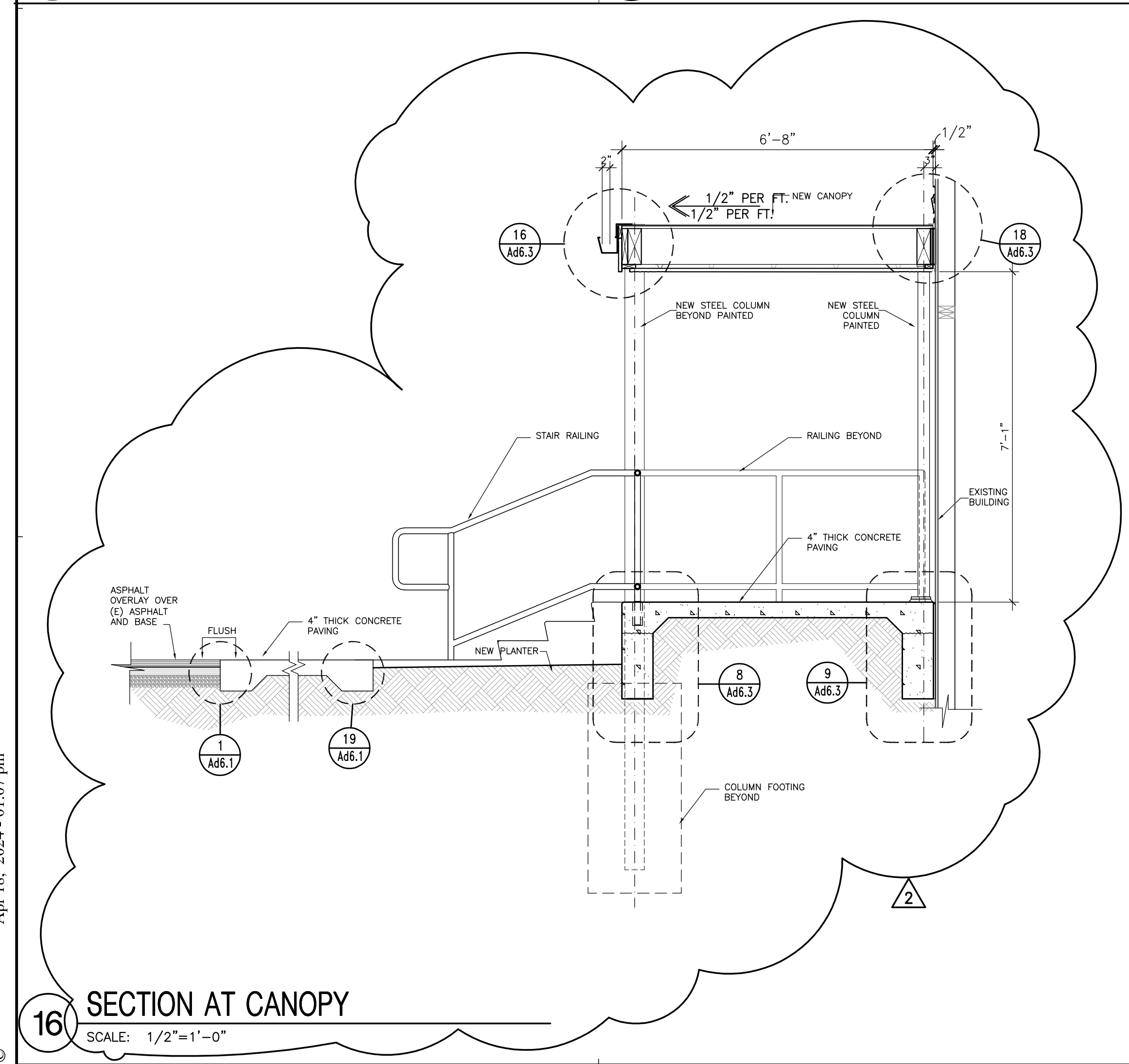
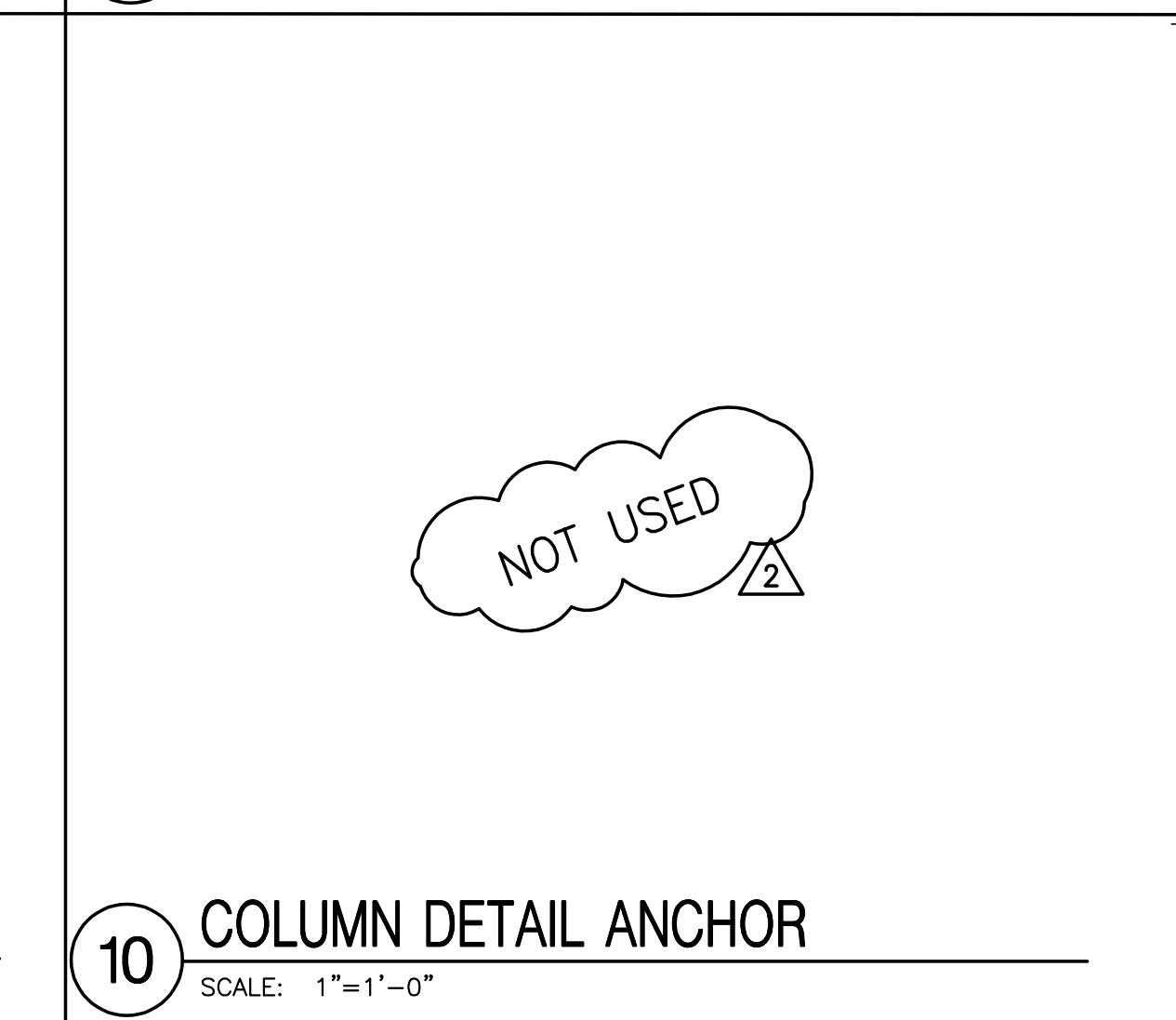
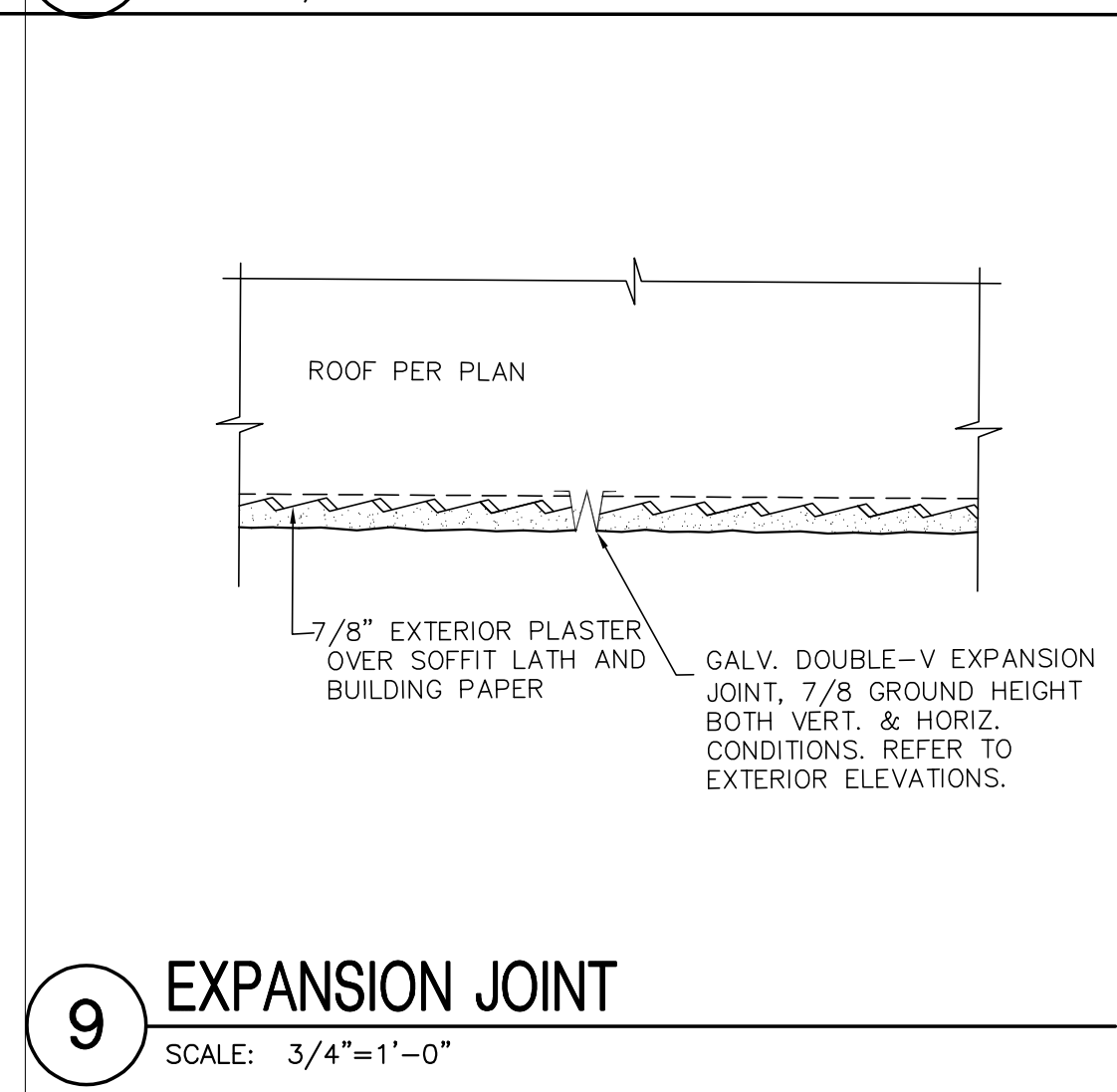
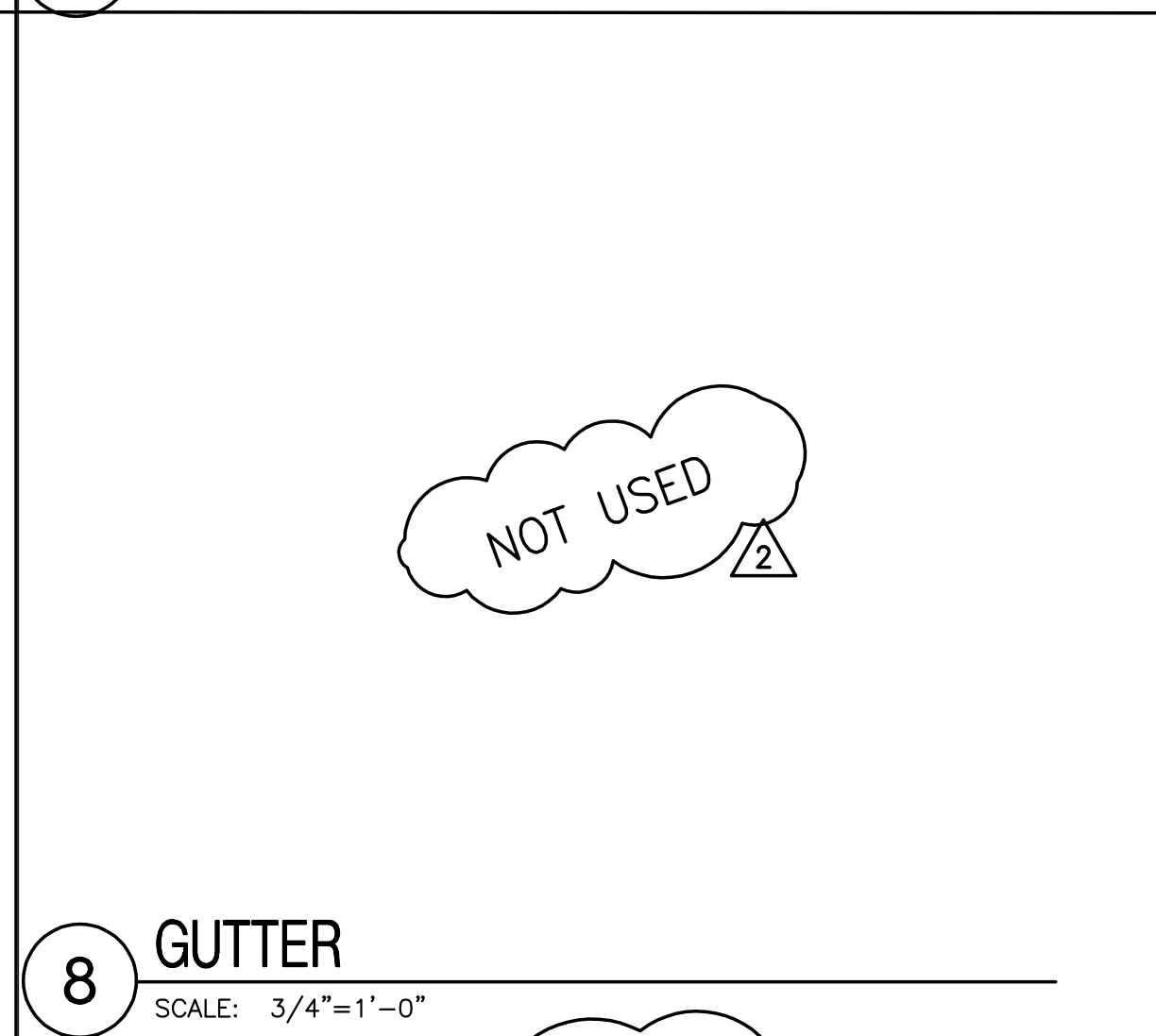
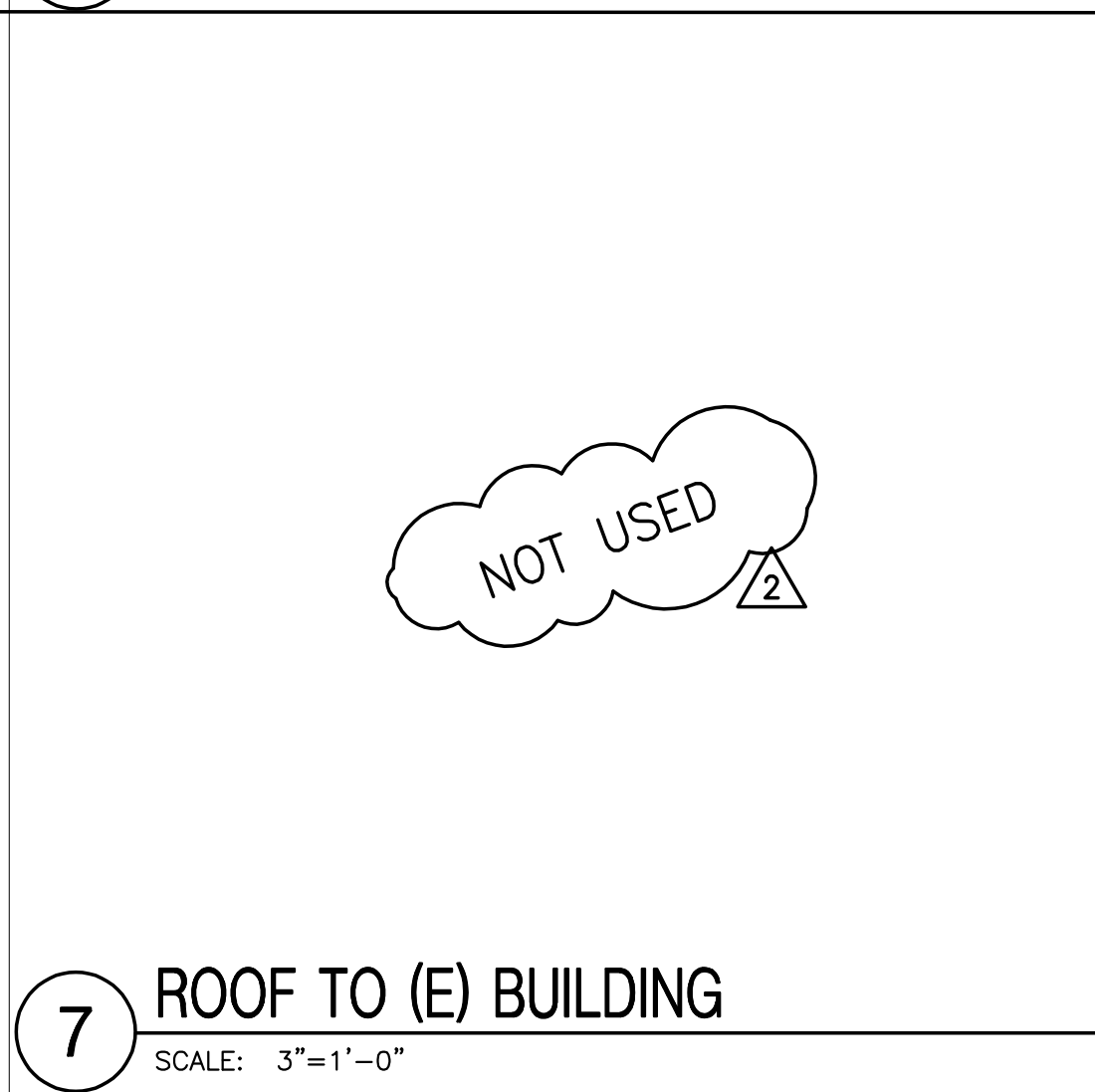
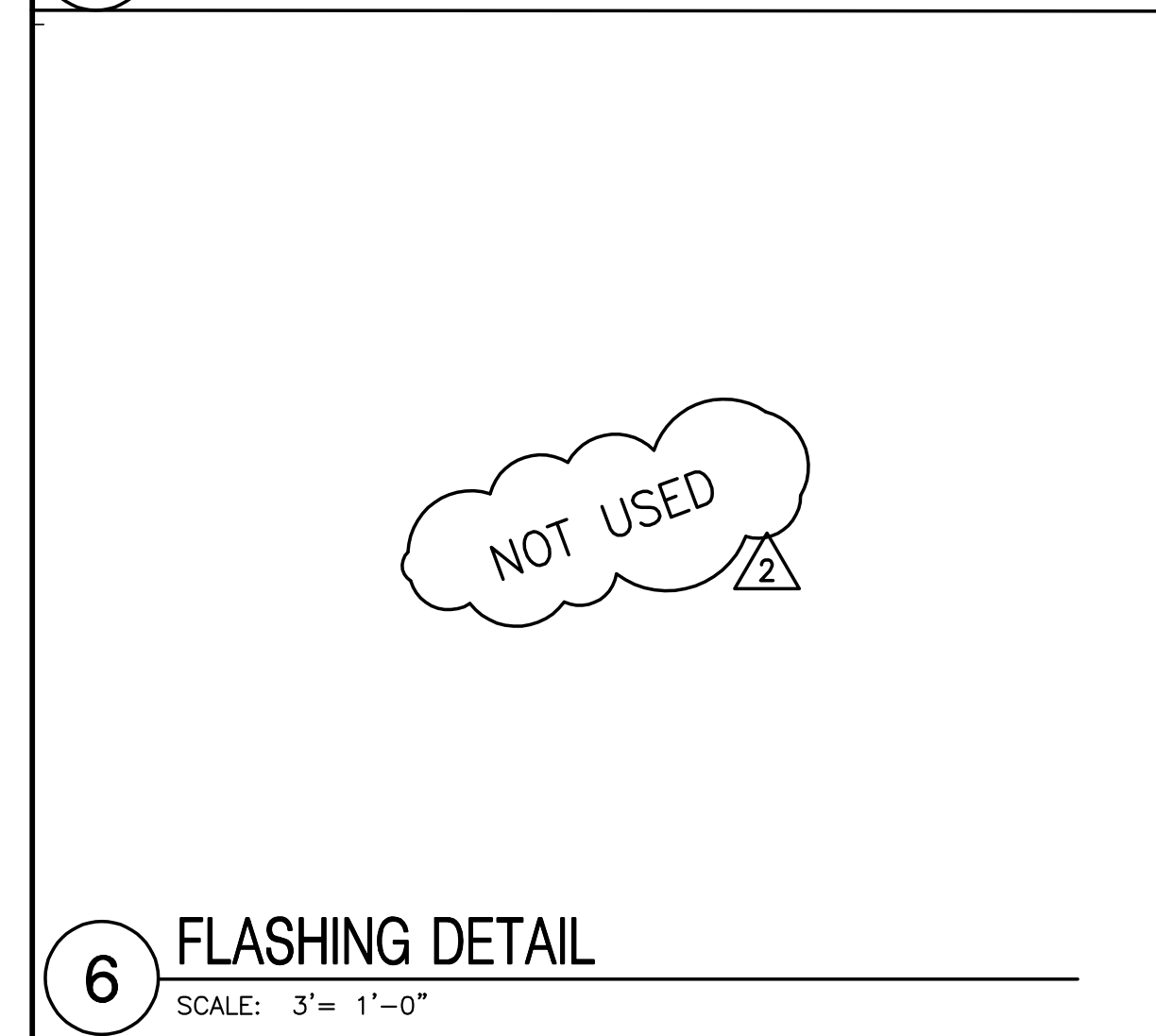
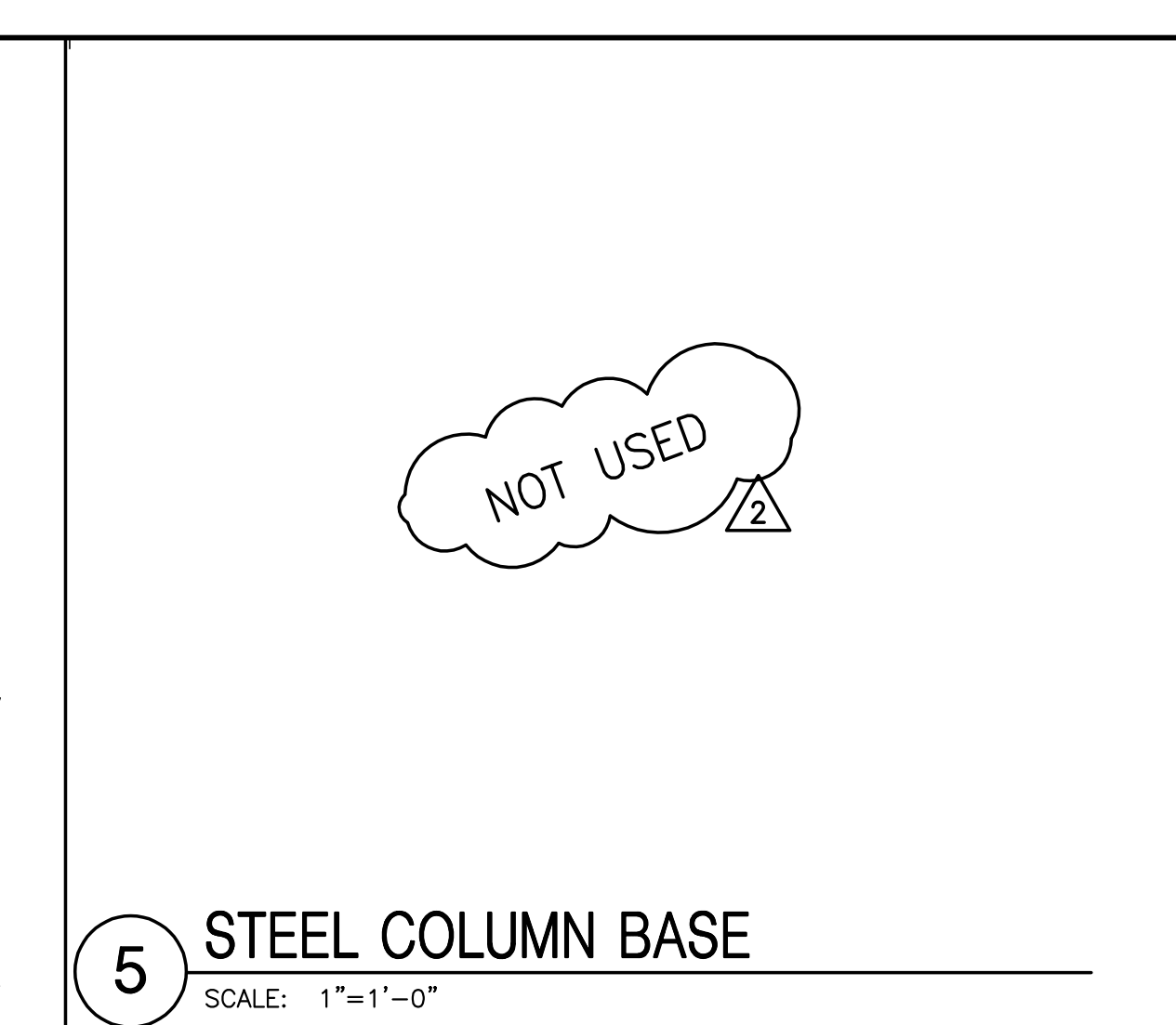
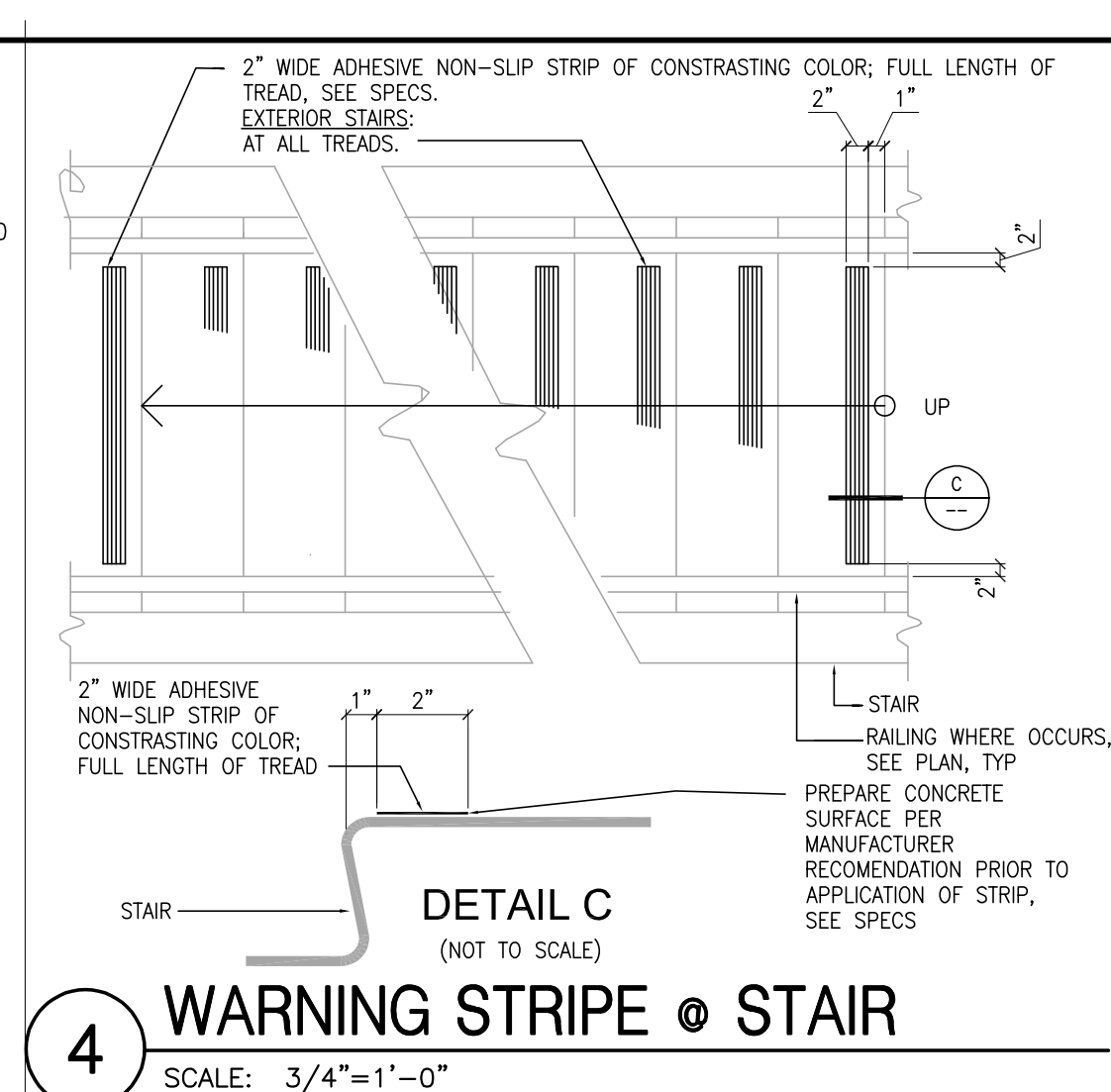
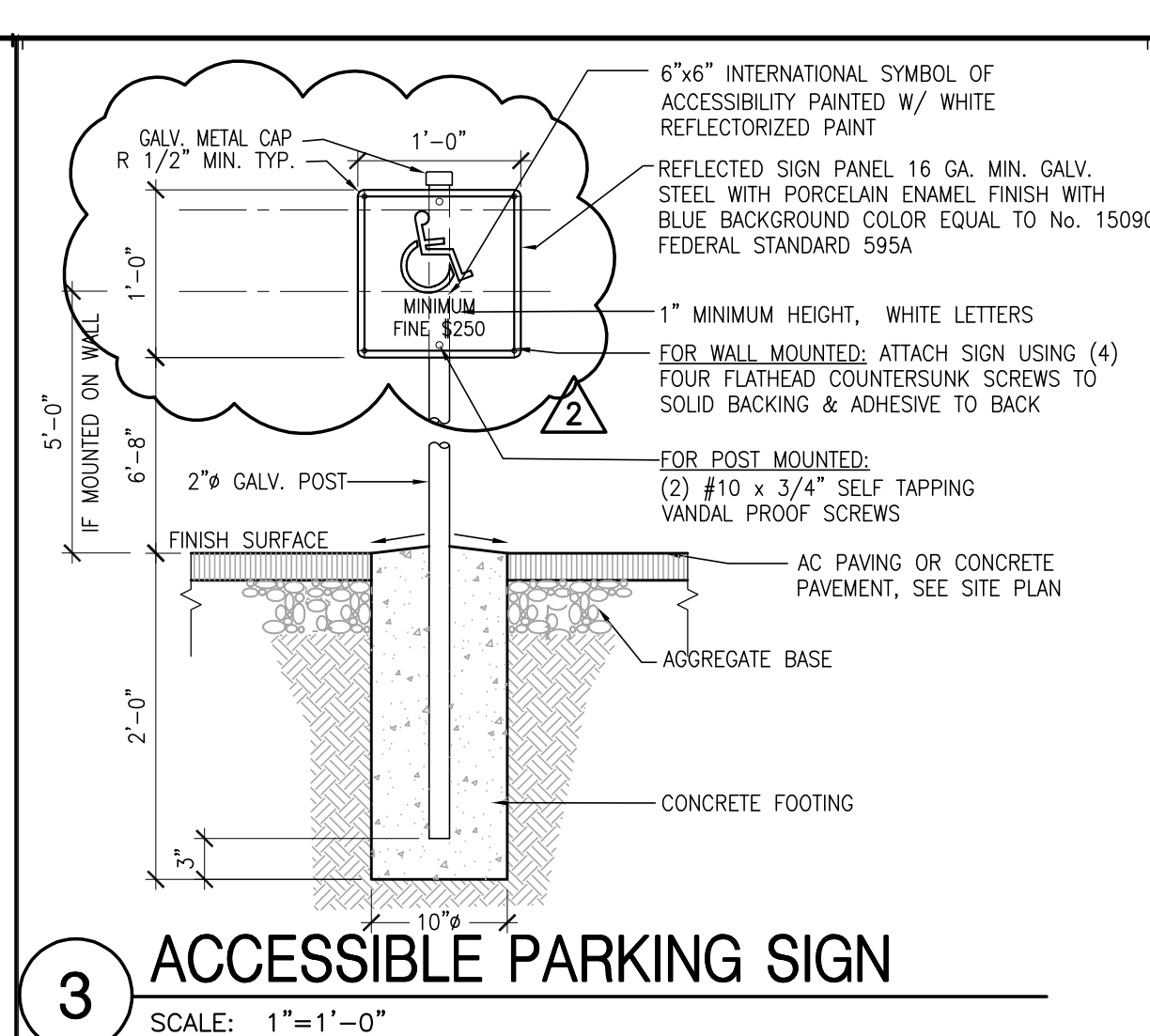
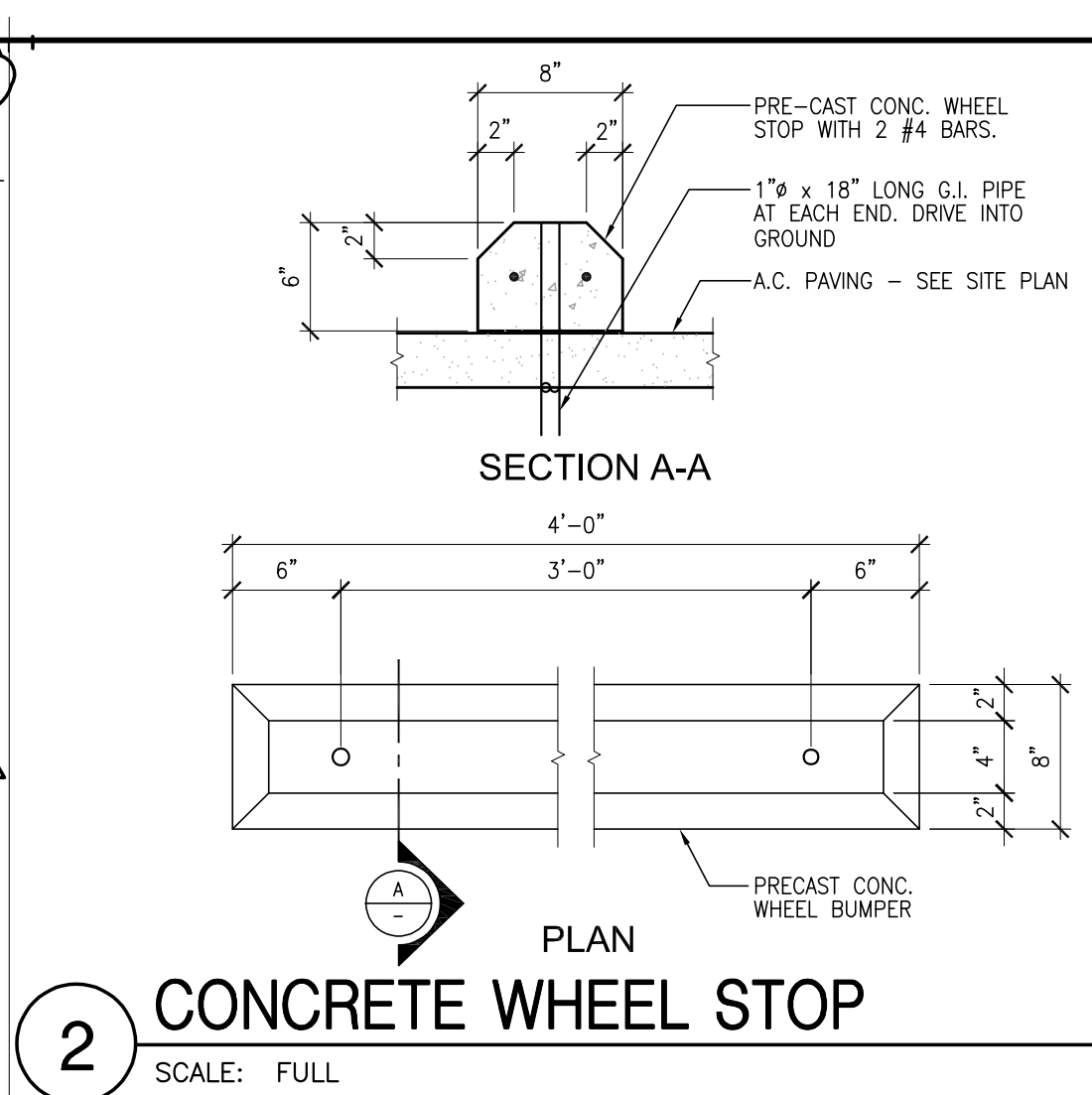
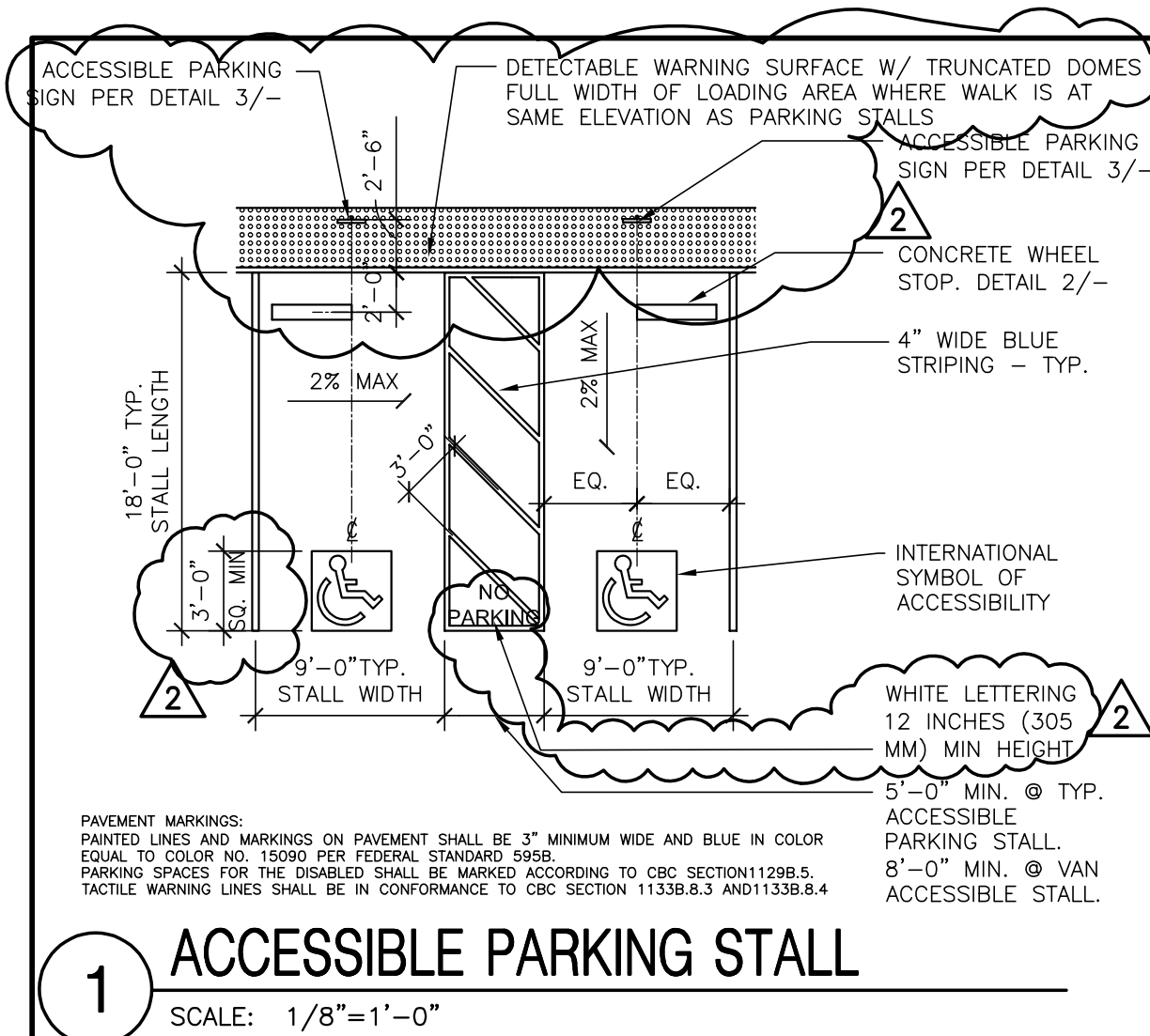
SITE DETAILS

Sheet Number:

Ad6.1

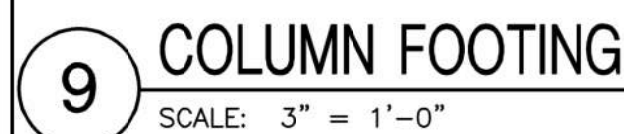
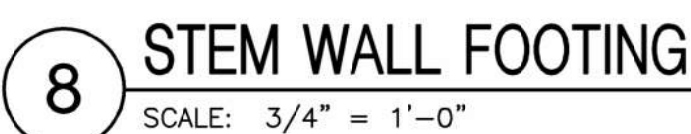
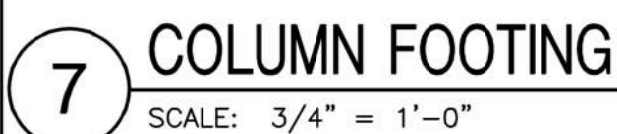


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SITE DETAILS  
Sheet Title:  
Sheet Number:  
Ad6.2







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BUILDING 200

BUILDING 600

BUILDING 611  
FINISH FLOOR 260.44

15.6 A-24 1" 2.0 A-24 1"

NOTE TO BIDDERS: LANDSCAPE AND IRRIGATION LAYOUT SHOWN HERE IS FOR REFERENCE ONLY. LANDSCAPE AND IRRIGATION TO BE OWNER PROVIDED, OWNER INSTALLED UNDER SEPARATE CONTRACT.

SUCCESSFUL BIDDER SHALL PROVIDE SLEEVES FOR IRRIGATION AT LOCATIONS IDENTIFIED BY KEYNOTE 4 THIS SHEET.

16

LANDSCAPE PLAN

SCALE: 1/8" = 1'-0"

NEW KEYNOTES

- 1 RELOCATED IRRIGATION BOX  
2 PROPOSED PVC SCH 40 POTABLE 3/4" DIA.  
3 PROPOSED PVC SCH 40 POTABLE 1" DIA.  
4 PVC SCH 40 4" DIA. SLEEVE

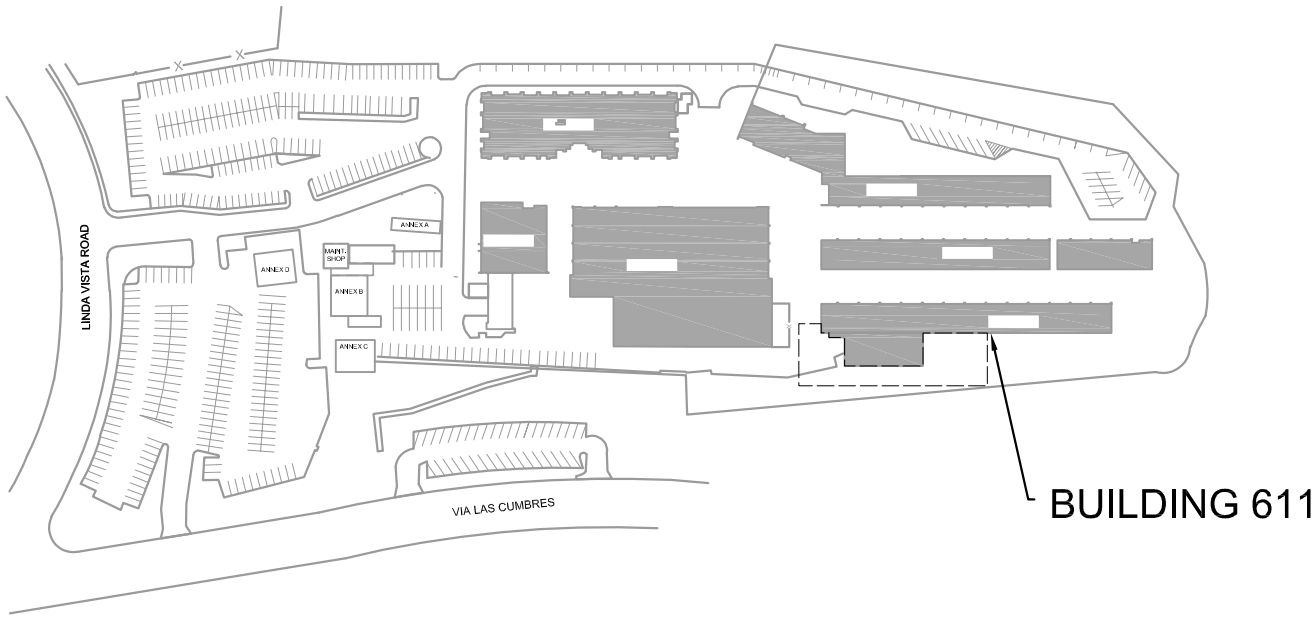
LEGEND

	NEW CONCRETE SLAB
	EXISTING BALL VALVE IN BOX VARIOUS MANUFACTURERS
	POINT OF CONNECTION
	EXISTING QUICK COUPLER VALVE IN BOX VARIOUS MANUFACTURERS
	VALVE KEY A = GPM B = VALVE SEQUENCE NUMBER C = VALVE SIZE
	PVC SCH 40 IRRIGATION MAINLINE - 3/4" DIA. MIN
	PVC SCH 40 IRRIGATION MAINLINE - 1" DIA. MIN.
	XFCV-04-18 SUB-SURFACE DRIP TREE RING, 0.6 GPH EMISSION @ 18" O.C. RAINBIRD FIRST RING 18" FROM TREE TRUNK. CONTINUE RINGS @ 18" O.C. HALF WAY TO DRIP LINE. DRIP TUBING @ 18" SPACING - 2"-3" OF COVER
	XFCV-04-18 SUB-SURFACE DRIP TUBING, 0.6 GPH EMISSION @ 18" O.C. RAINBIRD DRIP TUBING @ 18" SPACING - 2"-3" OF COVER

PLANT LEGEND

PLANT NAME AND FULL SIZE	PLANT SYMBOL	SIZE AND QUANTITY 24 GAL. 15 GAL. 5 GAL. 1 GAL. SQ.FT.			
LAGESTROEMIA INDICA CRAPE MYRTLE 20' HIGH x 15' WIDE	TREE	1			
CASUARINA STRICTA 30' HIGH x 25' WIDE IRREGULAR	TREE	1			
PIGMY DATE PALM 6' HIGH x 3' WIDE PER TRUNK	PIGMY PALM		2		
AGAVE VILMORINIANA 4' HIGH x 6' WIDE	AGAVE			4	
DASYLIRON TEXANUM 3' HIGH x 5' WIDE	AGAVE			6	
ZAUCHNERIA CALIFORNIA HUMMINGBIRD TRUMPET 1'-2' HIGH x 3' WIDE	BUSH			13	
ALOE STRIATA (CORAL ALOE) 2' HIGH x 2'- 1/2" WIDE	BUSH				1
ASTERISCUS MARITIMUS 1' HIGH x 1'-1/2" WIDE	BUSH				5
HEMEROCALIS HYBRID (DAYLILY) 1' HIGH x 1'-1/2" WIDE	CLUMPS MULTIPLE COLORS				52
TOTALS		2	2	23	58

KEY PLAN



Issue Date:  
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2 ADDENDUM 'A' 04.17.2024

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LANDSCAPE PLAN

Sheet Number:

L-1.1