

APPLICATION FOR SUBMITTAL OF POST-APPROVAL DOCUMENT

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

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

1. SUBMITTAL TYPE: (Is this a resubmittal? Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>)			
Deferred Submittal <input type="checkbox"/>	Addendum Number: <u>02</u>	Revision Number: <u>V2</u>	CCD Number: _____ Category A <input type="checkbox"/> or B <input type="checkbox"/>
2. PROJECT INFORMATION:			
School District/Owner: <u>San Mateo-Foster City School District</u>		DSA File Number: <u>41-26</u>	
Project Name/School: <u>Parkside Montessori Multipurpose Building and Site Work</u>		DSA Application Number <u>01</u> <u>120306</u>	
3. APPLICANT INFORMATION:			
Date Submitted: <u>11/07/23</u>		Attached Pages? No <input type="checkbox"/> Yes <input type="checkbox"/> Number of pages? _____	
Firm Name: <u>HMC Architects</u>		Contact Name: _____	
Work Email: <u>judy.krall@hmcarchitects.com</u>		Work Phone: <u>(408) 343-7074</u>	
Firm Address: <u>333 W. San Carlos Street</u>		City: <u>San Jose</u>	State: <u>CA</u> Zip Code: <u>95110</u>
4. REASON FOR SUBMITTAL: (Check applicable boxes)			
<input checked="" type="checkbox"/> For revision or addendum prior to construction.		<input type="checkbox"/> For a project currently under construction.	
<input type="checkbox"/> For a project that has a form DSA 301-N: Notification of Requirement for Certification, DSA 301-P: Posted Notification of Requirement for Certification or a 90-Day Letter issued.			
<input type="checkbox"/> To obtain DSA approval of an existing uncertified building or buildings.			
<input type="checkbox"/> For Category B CCD this is: <input type="checkbox"/> a voluntary submittal, <input type="checkbox"/> a DSA required submittal (attach DSA notice requiring submission).			
5. DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE:			
Name of the Design Professional In General Responsible Charge: <u>Judy Krall</u>			
Professional License Number: <u>C30964</u>		Discipline: <u>Architect of Record</u>	
Design Professional in General Responsible Charge Statement: The attached post-approval documents have been examined by me for design intent and appear to meet the appropriate requirements of Title 24, California Code of Regulations and the project specifications. They are acceptable for incorporation into the construction of the project. Signature: <u>Judy Krall</u> <div style="text-align: center; font-size: small;">DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE</div>			
6. CONFIRMATION, DESCRIPTION AND LISTING OF DOCUMENTS:			
For addenda, revisions, or CCDs: CHECK THIS BOX <input type="checkbox"/> to confirm that <i>all</i> post-approval documents have been stamped and signed by the Responsible Design Professional listed on form DSA 1: Application for Approval of Plans and Specifications for this project. (For Deferred Submittals, refer to IR A-18: Use of Construction Documents Prepared by Other Professionals, and IR A-19: Design Professional's Signature and Seal (Stamp) on Construction Documents, when applicable, for signature and seal requirements.)			
Provide a brief description of construction scope for this post-approval document (attach additional sheets if needed): <u>Extended AC paving maintenance; deleted theatrical lighting. See attached narrative.</u>			
List of DSA-approved drawings affected by this post-approval document: <u>C1.1, C2.1, C2.3, C3.1, C3.2, C4.1, C5.1, L1.1, L2.1, L2.4, L2.6, L3.1, L3.2, L4.1, G0.2, A1.0, A1.1, A3.1, A6.1, A6.2, A10.32, S503, E2.1, E3.1, E5.2, E7.1, B</u>			

DSA USE ONLY		Returned	DSA STAMP
SSS <u>cd</u> Date <u>11/16/23</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____	Date: _____ By: _____	<div style="border: 2px solid black; border-radius: 15px; padding: 10px; width: fit-content; margin: auto;"> APPROVED DIV. OF THE STATE ARCHITECT APP: 01-120306 INC: REVIEWED FOR SS <input checked="" type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/> DATE: <u>11/22/2023</u> </div>	
FLS _____ Date _____ <input type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____			
ACS <u>EB</u> Date <u>11/22/23</u> <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Disapproved <input type="checkbox"/> Not Required Comments: _____			

**SAN MATEO FOSTER CITY SCHOOL DISTRICT
FACILITIES DEVELOPMENT**

1410 South Amphlett Blvd., San Mateo, CA 94402
Office (650) 312-7690 FAX (650) 312-7696

PARKSIDE MONTESSORI MPR AND SITE PROJECT

ADDENDUM NO. 2

Date: November 6, 2023

Project: Parkside Montessori MPR & Site Project
DSA #: 01-120306 41-26

Owner: San Mateo Foster City School District
1170 Chess Drive
Foster City, CA 94404

Notice is hereby given to all prospective bidders that plans and specifications on the subject project are modified as hereinafter set forth. This addendum shall be attached to and form a part of the plans and specifications. All bidders must acknowledge receipt of this addendum on the Bid Form. In case of difference with previous addenda or communications, this addendum takes precedence.

It is the responsibility of all bidders to notify all subcontractors from whom they request bids and from whom they accept bids of all changes contained in this addendum.

1.1 SPECIFICATIONS**1. SPECIFICATION SECTION 00 45 55 – DVBE PARTICIPATION
CERTIFICATION**

The following specification section is hereby issued.

A. Added missing section.

2. SPECIFICATION TABLE OF CONTENTS

The following specification section is hereby reissued.

A. Revised specifications list to include added and deleted sections.

3. SPECIFICATION SECTION 10 21 00 – TOILET COMPARTMENTS

The following specification section is hereby issued.

A. Added missing section.

4. **SPECIFICATION SECTION 26 09 61 – PERFORMANCE DIMMING & CONTROL**

The following specification section is hereby deleted.

A. Theatrical lighting has been deleted from the scope.

5. **SPECIFICATION SECTION 32 14 40 – CRUSHED STONE PAVING**

The following specification section is hereby issued.

A. Added new section.

6. **SPECIFICATION SECTION 32 18 13 – SYNTHETIC GRASS SURFACING**

The following specification section is hereby reissued.

A. Revised to specify permeable base rock under turf.

7. **SPECIFICATION SECTION 32 18 13.10 – PERMEABLE BASE INSTALLATION**

The following specification section is hereby issued.

A. Added section.

8. **SPECIFICATION SECTION 32 18 16 – SYNTHETIC RESILIENT SURFACING**

The following specification section is hereby reissued.

A. Revised pad.

1.2 DRAWINGS

1. **SHEET ‘C1.1 EXISTING SITE & DEMOLITION PLAN’**

The following drawing is hereby reissued with these changes:

A. Added notes for dewatering scope.

B. Expanded AC paving maintenance scope.

2. **SHEET ‘C2.1 SITE IMPROVEMENT PLAN’**

The following drawing is hereby reissued with these changes:

A. Added coordination notes.

3. **SHEET ‘C2.3 SITE IMPROVEMENT PLAN’**

The following drawing is hereby reissued with these changes:

A. Added notes and Detail 3 to show added AC paving maintenance scope.

4. **SHEET ‘C3.1 GRADING PLAN’**

The following drawing is hereby reissued with these changes:

A. Revised site plan to include area of added AC paving maintenance scope.

B. Revised grades around the replaced exterior stairs at existing modular classrooms.

5. **SHEET ‘C3.2 ENLARGED GRADING PLAN’**

The following drawing is hereby reissued with these changes:

A. Revised partial site plans to include area of added AC paving maintenance scope.

6. SHEET ‘C4.1 UTILITY PLAN’

The following drawing is hereby reissued with these changes:

- A. Revised site plan to include area of added AC paving maintenance scope.

7. SHEET ‘C5.1 CONSTRUCTION DETAILS’

The following drawing is hereby reissued with these changes:

- A. Revised Details 1 & 2 to address Geotech recommendations.

8. SHEET ‘L1.1 LAYOUT PLAN’

The following drawing is hereby reissued with these changes:

- A. Reconfigured sidewalk near existing Annex Building.

9. SHEET ‘L2.1 MATERIALS AND CONSTRUCTION DETAIL REFERENCE PLAN’

The following drawing is hereby reissued with these changes:

- A. Added AC paving under the PV panels (N.I.C.).
- B. Added landscape area near existing Annex Building.
- C. Deleted notes for bid alternate. All scope is part of base bid.

10. SHEET ‘L2.4 CONSTRUCTION DETAILS’

The following drawing is hereby reissued with these changes:

- A. Detail “D”, Ball Wall, Revised depth and thickness of the ball wall footing per structural recommendations.
- B. Detail “H”, Concrete Wall with Rail, 18” of base rock has been added underneath the concrete wall footing.
- C. Added detail “J”, Synthetic Turf Seating, 18” of base rock has been added underneath the concrete wall footing. Revised depth of permeable base rock under turf.

11. SHEET ‘L2.6 CONSTRUCTION DETAILS’

The following drawing is hereby reissued with these changes:

- A. Detail “A”, Synthetic Turf and Concrete Curb, Revised section to show filter fabric beneath permeable base rock. Revised graphic to show / clarify the limits of the permeable base rock. Filter fabric is shown to wrap the edges of trench rather than the pipe itself.

12. SHEET ‘L3.1 IRRIGATION PLAN’

The following drawing is hereby reissued with these changes:

- A. Added irrigation to added landscape area near existing Annex Building.
- B. Deleted notes for bid alternate. All scope is part of base bid.

13. SHEET ‘L3.2 IRRIGATION NOTES’

The following drawing is hereby reissued with these changes:

- A. Revised water efficiency calcs.

14. SHEET 'G0.2 PROJECT DATA SHEET'

The following drawing is hereby reissued with these changes:

- A. Revised list of ADD ALTERNATE.
- B. There are no bid alternates in this project. All scope shall be part of base bid.

15. SHEET 'A1.0 DEMOLITION SITE PLAN'

The following drawing is hereby reissued with these changes:

- A. Updated areas for AC paving demolition scope; see civil drawings.

16. SHEET 'A1.1 CAMPUS SITE PLAN'

The following drawing is hereby reissued with these changes:

- A. Updated landscape and hardscape areas for expanded scope and to match landscape drawings.
- B. Deleted Add Alternate 1 Concrete paving and landscape areas. Scope shall be part of base bid. There are no bid alternates in this project.

17. SHEET 'A3.1 REFLECTED CEILING PLAN'

The following drawing is hereby reissued with these changes:

- A. Updated RCP to omit theatrical lights.

18. SHEET 'A6.1 BUILDING SECTIONS'

The following drawing is hereby reissued with these changes:

- A. Updated Section 01 to omit theatrical lights.

19. SHEET 'A6.2 WALL SECTIONS'

The following drawing is hereby reissued with these changes:

- A. Updated Section 03 to omit theatrical lights.

20. SHEET 'A10.03 EXTERIOR STAIR DETAILS'

The following drawing is hereby issued:

- A. Added prefab stair requirement details.

21. SHEET 'A10.32 CEILING DETAILS'

The following drawing is hereby reissued with these changes:

- A. Delete Details 11, 12, 14, 21 associated with theatrical lights support.

22. SHEET 'S5.03 PILE DETAILS'

The following drawing is hereby reissued with these changes:

- A. Added Detail 11 - Foundation Excavation Winter Weatherization.

23. SHEET 'E2.1 ELECTRICAL FLOOR PLAN'

The following drawing is hereby reissued with these changes:

- A. Revised notes associated with omission of theatrical lights.

24. SHEET ‘E3.1 ELECTRICAL LIGHTING FLOOR PLAN’

The following drawing is hereby reissued with these changes:

- A. Updated plan to omit theatrical lights.

25. SHEET ‘E5.2 ELECTRICAL DETAILS’

The following drawing is hereby reissued with these changes:

- A. Deleted Detail 3 Performance Lighting Riser Diagram, associated with omission of theatrical lighting.

26. SHEET ‘E7.1 ELECTRICAL PANEL AND LIGHTING SCHEDULES’

The following drawing is hereby reissued with these changes:

- A. Deleted fixtures L & L1 associated with omission of theatrical lighting.

27. SHEET ‘E7.2 ELECTRICAL PANEL SCHEDULES’

The following drawing is hereby reissued with these changes:

- A. Updated panel schedules associated with omission of theatrical lighting.

1.3 BID WALK

1. AGENDA

- A. October 25, 2023 agenda is attached for reference.
- B. November 1, 2023 agenda is attached for reference.

2. SIGN-IN SHEET

- A. October 25, 2023 sign-in sheet is attached for reference.
- November 1, 2023 sign-in sheet is attached for reference.

3. CLARIFICATIONS

- A. The existing gate on perimeter fence along east side (east of relocated play structure) shall be kept accessible to students during construction. Temporary fence shall allow for passageway to campus.
- B. The existing play structure shall remain accessible by students while school is in session.
- C. The existing Annex building can be used for the contractor’s trailer. Provide small trailer for the IOR.

1.4 PRE-BID RFIS

1. PB 01 PROJECT ESTIMATE

Q: What is the Engineer’s Estimate for this project?

A: \$13.8M

2. PB 02 TOILET PARTITION SPECS

Q: Toilet partitions & accessories are not in the set, provide specifications.

A: Specifications 10 21 00 have been added in Addendum 2.

3. PB 03 GENERAL CONTRACTORS LIST

Q: Provide General Contractors / Bid Holders List.

A: See attached sign-in sheet

4. PB 04 PREQUALIFICATION

Q: Clarify who is required to prequalify.

A: To bid on this Project, the Bidder is required to have been prequalified by the District. Pre-qualification for all bidding General Contractors is to be through Quality Bidders at www.qualitybidders.com. In addition, if the Project has electrical, mechanical, or plumbing components that will be performed by subcontractors performing under the following license classification(s), C-4, C-7, C-10, C-16, C-20, C-34, C-36, C-38, C-42, C-43, and/or C-46, then each of those subcontractors that intend to bid as a first-tier subcontractor to a general contractor (prime contractor) are required to have been prequalified by the District, through Quality Bidders at www.qualitybidders.com. Prior to the bid, a minimum of five days before bids are received the District will issue by Bid Addendum all MEP Contractors pre-qualified through Quality Bidders. To bid on this Project, the Bidder is required to possess one or more of the following State of California Contractor Licenses:

A - General Engineering Contractor or

B - General Building Contractor.

The Bidder's license(s) must be active and in good standing at the time of the bid opening and must remain so throughout the term of the Contract.

1.5 SUBSTITUTION REQUESTS

1. 07 26 13 SELF-ADHERING WEATHER RESISTIVE / AIR BARRIERS

A. Air-Shield by WR Meadows is an acceptable manufacturer as a substitution Vaproshield.

2. 11 66 00 ATHLETIC AND PLAYGROUND EQUIPMENT

A. ADP Lemco Inc. is not an acceptable manufacturer as a substitution for the specified equipment.

3. 10 28 00 TOILET ACCESSORIES

A. Saniflow Speedflow Plus is not an acceptable substitution for the specified warm-air hand dryer.

4. 11 61 43 STAGE CURTAINS

A. iWeiss is not an acceptable substitution for the hardware, rigging, and curtain tracks.

Attachments:

Specification Sections : 00 45 55, TOC, 10 21 00, 32 14 40, 32 18 13, 32 18 13.10, 32 18 16

Drawing sheets : C1.1, C2.1, C2.3, C3.1, C3.2, C4.1, C5.1, L1.1, L2.1, L2.4, L2.6, L3.1, L3.2, L4.1, G0.2, A1.0, A1.1, A3.1, A6.1, A6.2, A10.03, A10.32, S503, E2.1, E3.1, E5.2, E7.1, E7.2

Bid Walk Documents : Agenda, Sign-in Sheets

End of Addendum

DOCUMENT 00 45 55

**DISABLED VETERAN BUSINESS ENTERPRISE
PARTICIPATION CERTIFICATION**

PROJECT/CONTRACT NO.: Parkside Montessori School- New MPR between San Mateo-Foster City School District (the "District") and _____ (the "Contractor" or the "Bidder") (the "Contract" or the "Project").

Section 17076.11 of the Education Code requires school districts using funds allocated pursuant to the State of California School Facility Program ("Program") for the construction and/or modernization of school buildings to have a participation goal for disabled veteran business enterprises ("DVBE") of at least three percent (3%), per year, of the overall dollar amount expended each year by the school district on projects that receive state funding.

1. **Disabled Veteran Business Enterprise.** A DVBE is a business enterprise certified by the California Office of Small Business as a DVBE.
2. **DVBE Participation Policy.** The District is committed to achieving this DVBE participation goal. The District encourages Contractor to ensure maximum opportunities for the participation of DVBEs in the Work of the Contract.
3. **DVBE Participation Goal.** The three percent (3%) participation goal is not a quota, set-aside or rigid proportion.
4. **Certification of Participation.** At the time of execution of the Contract, the Contractor will provide a statement to the District of anticipated participation of DVBEs in the contract.
5. **Submission of Report.** During performance of the Contract, Contractor shall monitor the Work of the Contract, award of subcontracts and contracts for materials, equipment and supplies for the purpose of determining DVBE participation in the Work of the Contract.
 - a. Contractor shall report on a monthly basis all DVBEs utilized in the performance of the Work, the type or classification of the Work performed by each DVBE, and the dollar value of the Work performed by each DVBE.
 - b. Upon completion of the Work of the Contract, Contractor shall submit a report to the District in the form attached hereto identifying all DVBEs utilized in the performance of the Work, the type or classification of the Work performed by each DVBE, and the dollar value of the Work performed by each DVBE.
 - i. The submission to the District of this report is a condition precedent to the District's obligation to make payment of the Final Payment under the Contract Documents. The submission of this report shall be in addition to, and not in lieu of, any other conditions precedent set forth in the Contract Documents for the District's obligation to make payment of the Final Payment.
 - ii. The District reserves the right to request additional information or documentation from the Contractor evidencing efforts to comply with the three percent (3%) DVBE participation goal.

DVBE PARTICIPATION REPORT

Contractor Name: _____ Date: _____

Project Name: _____ Project Number: _____

DVBE Firm Name	Trade / Portion of Work	Subcontract/ Contract Value
Add more sheets as needed to include all information for each DVBE		

Does the cumulative dollar value of these DVBE contracts meet or exceed the participation goal of three percent (3%) of the final Contract Price, as adjusted by all change orders?

YES _____ NO _____

If your response is "NO", please attach to this report a detailed description of the reasons for your firm did not achieve the participation goal of three percent (3%) of the final Contract Price..

I certify under penalty of perjury under the laws of the State of California that the foregoing is true and correct.

Date: _____

Proper Name of Bidder: _____

Signature: _____

Print Name: _____

Title: _____

VOLUME 2
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SECTION 10 21 00
TOILET COMPARTMENTS

PART 1 - GENERAL

1.01 SECTION INCLUDES

- A. Toilet Compartments:
 - 1. Solid Phenolic
- B. Floor mounted, Overhead Braced enclosures.
- C. Urinal screens.
- D. Attachment hardware.
- E. Related sections:
 - 1. Section 01 35 43, Special Environmental Requirements.
 - 2. Section 09 06 00, Schedules for Finishes.
 - 3. Section 10 28 00, Toilet and Bath Accessories.

1.02 REFERENCES

- A. ADA - Americans with Disabilities Act of 1990, as amended
 - 1. ADA/Standards - ADA Title II Regulations and the 2010 ADA Standards for Accessible Design.
- B. ASTM - American Society for Testing and Materials
 - 1. ASTM A167 - Stainless and Heat-Resisting Chromium-Nickel Steel Plate, Sheet and Strip
 - 2. ASTM A666 - Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar
 - 3. ASTM B221 - Aluminum Alloy Extruded Bars, Rods, Wire, Shapes and Tubes
 - 4. ASTM E84 - Burning Characteristic of Building Materials, ASTM E84, Class C, Flame Spread: 78 - 200 Smoke Developed: less than 450.
- C. CBC - 2019 California Building Code
 - 1. CBC-8 - CBC Chapter 8, Interior Finishes
 - 2. CBC-11B - CBC Chapter 11B, Access to Public Buildings, Public Accommodations, Commercial Facilities and Publicly Funded Housing
 - 3. CBC-17 - CBC Chapter 17A, Structural Testing and Special Inspections (for DSA)
- D. CFC - 2019 California Fire Code
 - 1. CFC-8 - CFC Chapter 8, Interior Finishes, Decorative Materials and Furnishings
- E. NFPA 286 - Fire Test for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth. Compliance requirement for HDPE toilet partitions.

1.03 SUBMITTALS

- A. Product Data: For each type of product indicated. Include construction details, material descriptions, dimensions of individual components, hardware, and profiles, and finishes.
- B. Shop Drawings: Include plans, elevations, sections, details, and attachments to other work.
 - 1. Show locations of cutouts for compartment-mounted toilet accessories.
- C. Samples for Verification: Of each type of color and finish required for units, prepared on 6-inch-square Samples of same thickness and material indicated for Work.
 - 1. Three samples illustrating panel colors and patterns.
 - 2. Sample of each type of hardware.
- D. Manufacturer's installation instructions.

1.04 REGULATORY REQUIREMENTS

- A. Conform to ADA Standards and CBC-11B Sections 11B-209 and 11B-201 provisions for accessibility.

1.05 WARRANTY

- A. 15 Year limited Warranty for components.

1.06 FIELD MEASUREMENTS

- A. Verify field measurements are as indicated on shop drawings.

PART 2 - PRODUCTS

2.01 REGULATORY REQUIREMENTS

- A. Accessible Toilet Compartments:
 - 1. Wheelchair accessible compartment shall comply with CBC Section 11B-604.8.1.
 - 2. Toe clearance for at least one side partition of a wheelchair accessible compartment shall comply with CBC Section and Figure 11B-604.8.1.4. It shall be 9" high minimum above the finish floor and 6" deep minimum beyond the compartment side face of the partition, exclusive of partition support members. It shall be 12" high minimum above the finish floor for children's use. Partition components at toe clearances shall be smooth without sharp edges or abrasive surfaces. Toe clearance at the side partition is not required in a compartment greater than 66" wide.
 - 3. Ambulatory accessible compartments shall be provided where there are six or more toilet compartments, or where the combination of urinals and water closets totals six or more fixtures. Such compartments shall be provided in the same quantity as wheelchair accessible compartments per CBC Section 11B-213.3.1 and shall comply with CBC Section 11B-604.8.2.

4. Door and door hardware for accessible compartments shall be self-closing and shall comply with CBC Section 11B-404 except that if the approach is to the latch side of an ambulatory compartment door, clearance between the door side of the compartment and any obstruction shall be 44" minimum. CBC Figure 11B-604.8.2.
5. A door pull complying with CBC Section 11B-404.2.7 shall be placed on both sides of the door near the latch.
6. Toilet Compartment Doors shall not swing into the clear floor space or clearance required for any fixture or the minimum compartment area required for ambulatory accessible compartments.

B. Conform to ADA/UFAS provisions for accessibility.

2.02 SOLID PHENOLIC UNITS

A. Acceptable Manufacturers. Products of following manufacturers form basis for design and quality intended.

1. Bobrick Washroom Equipment Co., Inc., North Hollywood, CA. Product: SCRC 1092.67P Sierra Series
2. Or equal as approved in accordance with Division 01, General Requirements for substitutions.

B. Materials

1. Floor Mounted, Overhead Braced: Nominal 1/2" thick panels and 3/4" thick doors, 58" high. Pilasters: 3/4" thick 83" high. 84 inches high rail. Pilasters are secured to floor by means of 1/8-inch aluminum angle with 1-3/4 inches tamper-proof screws into plastic anchors. Bright anodized aluminum channel top bracing 1-1/2 by 1-1/4 inches weighing no less than 0.75 pounds per linear foot of "anti-grip" design to cap top of pilasters and secured on inside of compartment.
2. Stainless Steel: ASTM A 666; Type 304.
3. Aluminum: ASTM B221, 6063 Alloy.]

C. Components

1. Toilet Compartment Doors, including door hardware, shall comply with CBC Section 11B-404 except that if the approach is from the push side of the compartment door, clearance between the door side of the compartment and any obstruction shall be 48 inches minimum measured perpendicular to the compartment doors in its closed position. Doors shall be located in the front partition or in the side wall or partition farthest from the water closet. Where located in the front, the door opening shall be 4 inches maximum from the side wall or partition farthest from the water closet. Where located in the side wall or partition, the door opening shall be 4 inches maximum from the front partition. The door shall be self-closing. A door pull complying with CBC Section 11B-404.2.7 shall be placed on both sides of the door near the latch. Doors shall not swing into the clear floor space or clearance required for any fixture. Doors may swing into that portion of the maneuvering space which does not overlap the clearance required at a water closet.
Exception: When located at the side of a toilet compartment, the toilet compartment door opening shall provide a clear width of 34 inches minimum.
2. Door Hinges:
 - a. Continuous hinges: Institutional stainless steel, surface mounted, continuous hinge, spring-loaded self-closing with tamper-resistant threaded

- inserts of stainless steel
 - b. Provide self-closing type doors at Accessible compartment.
 3. Pilaster Shoes and Anchorage: Stainless steel, minimum 4 inches high or solid brass chromium plated pedestals, 8 inches high. Secure with metal angle plate to floor
 4. Wall Brackets: Stainless steel double ear continuous.
 5. Wall Bumper: Stainless Steel wall bumper with rubber tip at outswing doors. BHMA #LO 2251 or equal.
 6. Latch and Keeper: Stainless steel, surface-mounted slide bolt with U-shaped retaining bracket at inside of each stall door.
 7. Door Handles at Accessible Compartments: Provide loop or U-shaped handle immediately below latch both faces on both sides of doors mounted at 34" - 44" above finished floor.
 8. Urinal screens: same thickness and hardware as partitions and mounting to match series specified for toilet partitions. Urinal screens shall be 24 by 42 inches high and mounted at 14-1/2 inches above the finished floor, provide post to ceiling supports, 1-3/4" sq. alum post and stainless steel shoe, ss screws, 3 brackets per panel.
 9. Toilet Accessories: refer to Section 10 28 00.
- D. Fabrication
1. Fabricate partitions by assembling from single sheet of solid phenolic, faced with solidly fused matte-finish melamine, and polished edges.
 2. Thickness of Partition Panels: 1/2 inch, minimum.
 3. Thickness of Doors and Pilasters: 3/4 inch, minimum.
 4. Clear Width of doors (when opened at 90-degree) at compartments for disabled: 34 inches for side entry. 32 inches for front entry.
 5. Door and Panel height: 58 inches, 12 inches clearance maximum under doors and panels, (minimum 9 inches).
- E. Finishes
1. Melamine Finish: Solid colors or patterns
 - a. Specified in Section 09 06 00.
 2. Stainless Steel Surfaces: No. 4 satin or polished.
 3. Aluminum: Clear natural or satin anodized.

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Verify that openings are ready to receive work.
- B. Verify field measurements are as indicated on shop drawings.
- C. Verify correct location of built-in framing, anchorage, bracing and plumbing fixtures.
- D. Beginning of installation means installer accepts existing conditions.

3.02 ERECTION

- A. Erect in accordance with manufacturer's instructions.

- B. Install partition components secure, plumb and level.
- C. Attach panel brackets securely to walls, floors or ceilings using metal mechanical anchor devices, no plastic anchors permitted. Expansion anchors at floor shall be stainless steel or other corrosion resistant type approved by Architect.
- D. Attach panels and pilasters to brackets with tamper proof through bolts and nuts.
- E. Anchor urinal screen panels to walls with continuous double ear brackets and to end post, anchor full- height end posts to ceiling supports and stainless steel shoe with stainless steel screws.
- F. Provide 1/2 inch space between wall surface and panels or pilasters.
- G. Conceal floor fastenings with one-piece pilaster shoes, minimum 3" high.
- H. Equip each door with specified hinges and accessibility-type sliding door latch.
- I. Install door strike keeper on each pilaster in alignment with sliding door latch.
- J. Equip each door with one coat hook and bumper, maximum 44 inches above finish floor and one sliding latch with door strike and keeper with door bumper on pilaster in alignment with sliding door latch.
- K. Equip doors at Accessible compartment doors with self-closing in-swinging and out-swinging doors. Hinges shall operate at maximum 5 lbs. force. Provide U-shaped handle immediately below latch both faces of Accessible doors per Section 11B-609.8 AND 11B-610.4. Height of Door Latch: 36 inches above floor, Pulls: 34 inches. Install wall bumper on wall at out swinging doors.
- L. Shower and Dressing Compartments: Install in accordance to manufacturer's recommended procedures.

3.03 ERECTION TOLERANCES

- A. Maximum Variation From Plumb or Level: 1/8 inch.
- B. Maximum Misplacement From Intended Position: 1/8 inch.

3.04 ADJUSTING

- A. Adjust and align door hardware to uniform clearance at vertical edges of doors. Clearance space not to exceed 3/16 inch.
- B. Adjust door hinges so that free movement is attained and will locate in-swinging doors in partial open position when unlatched. Return out-swinging doors to closed position.

3.05 CLEANING

- A. Remove protective coverings.
- B. Clean surfaces and hardware.

3.06 PROTECTION OF FINISHED WORK

- A. Field touch-up of finished surfaces will not be permitted. Replace damaged components.

END OF SECTION

SECTION 32 14 10

CRUSHED STONE PAVING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to work of this section.

1.2 DESCRIPTION OF WORK:

- A. The extent of work in this Section includes the provision and installation of the following paving materials, base foundations and appurtenances required for installation.
- B. The general extent of work for this Section is shown on the drawings and includes, but is not limited to, the following:
 - 1. Decomposed Granite.

1.3 QUALITY ASSURANCE:

- A. All manufactured items shall be inspected and approved upon delivery.
- B. Protect from damage and intrusion of deleterious materials during delivery, handling, storage, and installation.

1.4 SUBMITTALS:

- A. Contractor shall submit a one (1) quart sample indicating variation of size and color of stone paving to be installed.

1.5 DELIVERY, STORAGE, AND HANDLING:

- A. Store stone paving material in a secure location. Coordinate with General Contractor for available stockpile location.

1.6 PROJECT CONDITIONS:

- A. Protection of Work: Protect work from trespass until mortar has cured.

PART 2 - PRODUCTS

2.1 MATERIALS:

- A. Decomposed Granite: Shall be California Gold fines, or equal, gold color and shall consist of crushed aggregate screenings free from clay lumps, vegetable matter and deleterious material. The portion retained on the No. 4 sieve shall have a maximum percentage of wear of 50 at 500 revolutions as determined by AASHTO T96-77. The portion passing a No. 40 sieve shall have a maximum liquid limit of 25

and a maximum plasticity index of 7, as determined by AASHTO T89-81 and AASHTO T90-81. California Gold Decomposed granite available from Felton Quarry at (408) 335-3445.

- B. Decomposed Granite Soil Binder: Organic soil binder shall be Stabilizer, or equal, consisting of non-toxic, colorless, odorless, organic powder from crushed seed hulls produced to bind decomposed granite or crushed 3/8" or 1/4" minus aggregate screenings by Stabilizer Solutions, Inc. (602) 225-5900, www.stabilizersolutions.com.
- C. Decomposed Granite Headerboard: Redwood header shall be construction heart redwood lumber, size per detail. Wood support stakes to be 1" by 2" by 16" length, nominal size. Use galvanized nails sized so as not to split wood and quantity as required to anchor edging securely in place.
- D. Decomposed Granite Concrete Curb: Refer to Drawings.
- E. Decomposed Granite Aggregate Base: Class II conforming to aggregate base course specifications.
- F. Weed block/filter fabric: Shall be Mirafi 140N (or approved equal) nonwoven geotextile composed of polypropylene fibers, inert to biological degradation and resistant to naturally encountered chemicals, alkalis and acids, meeting AASHTO M288 Class 3 for Elongation > 50. Apparent opening size (AOS) 70 US sieve (0.212 mm) minimum average per role per ASTM D4751, flow rate of 135 gal/min/ft² (5500 l/min/m²), and UV Resistance (at 500 hours) of 70% strength retained per ASTM D4355.

PART 3 - EXECUTION

3.1 INSTALLATION:

- A. Preparation:
 - 1. Grade and compact subgrade.
 - 2. Prepare and install aggregate base material per plans and/or details and compact to 95% relative density.
- B. Decomposed Granite Concrete Curb:
 - 1. Layout perimeter edging as shown on drawing with smooth, continuous transitions horizontally and vertically.
 - 2. Where landscape edging contacts adjacent paved surface, top of edging shall terminate flush with top of adjacent paving material.
 - 3. Top of landscape edging shall be installed 1/2" above finish grade in turf areas, 1" above finish grade in shrub planting areas and flush with surface of decomposed granite fines.
 - 4. Install per detail on Drawings.

- C. Weed block/filter fabric (weed barrier):
 - 1. Place weed barrier product throughout the proposed paving area, covering soil surface with edges over-lapping six (6) inches.
 - 2. Staple to hold in place prior to placing decomposed granite.
- D. Decomposed Granite:
 - 1. Blending organic soil binder with decomposed granite:
 - a. Blend 12 to 16 pounds (confirm with manufacturer for exact blend for particular application) of soil binder per 1-ton of decomposed granite or crushed 3/8" or 1/4" minus aggregate screenings.
 - b. Thoroughly and uniformly mix soil binder throughout decomposed granite or crushed 3/8" or 1/4" minus aggregate screenings.
 - c. Bucket blending is not acceptable. Blending with a rake and/or shovel is not acceptable.
 - d. Blend material dry. Water will make material hard.
 - 2. Install decomposed granite fines to a minimum depth of four inches, unless shown otherwise on details and drawings.
 - 3. Install material in two-inch lifts.
 - 4. Thoroughly water to compact each lift until the entire depth is moist.
 - 5. Compact to 90% relative density after grading and wetting final lift.
 - 6. Allow material to dry, then spike and mat drag to obtain the desired finish.
 - 7. Note that precise grading is critical and is best accomplished with laser-equipped machinery.
 - 8. At end of landscape maintenance period, re-apply decomposed granite to areas that have settled and smooth surface to uniform plane, flush with adjacent finish grade elevations.

END OF SECTION

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SECTION 32 18 13

SYNTHETIC GRASS SURFACING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to the work of this section.

1.2 DESCRIPTION OF WORK:

- A. The extent of work in this Section furnishing, delivery, installation and warranty of a complete synthetic turf system including drainage, synthetic turf, and resilient foam.
- B. Furnish all labor, materials, tools and equipment necessary to install slit-film artificial grass as indicated on the plans and as specified herein; including components and accessories required for a complete installation. including but not limited to:
 - 1. Review and written acceptance of prepared sub-base.
 - 2. Review and written acceptance of base rock material and installation.
 - 3. Coordination with related trades to ensure a complete, integrated, and timely installation: permeable aggregate base course, sub-base material (tested for permeability), grading and compacting, piping and drain components (when required); as provided under its respective trade section.

1.3 QUALITY ASSURANCE:

- A. All manufactured items shall be inspected and approved upon delivery.
- B. Coordinate all work with the work of other sections to avoid delay and interference with other work.
- C. Protect from damage and intrusion of deleterious materials during delivery, handling, storage, and installation.

1.4 REFERENCES

A. RELATED SECTIONS:

- 1. 32 13 13.1 Concrete Work (Landscape).
- 2. 32 18 13.10 Permeable Base Installation.

B. ASTM TEST METHODS

1. D1577 – Standard Test Method for Linear Density of Textile Fiber
2. D5848 – Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Covering
3. D418 – Standard Test Method for Testing Pile Yarn Floor Covering Construction
4. D1338 – Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings
5. D1682 – Standard Method of Test for Breaking Load and Elongation of Textile Fabrics
6. D5034 – Standard Test Method of Breaking Strength and Elongation of Textile Fabrics (Grab Test)
7. F1551 – Standard Test Methods for Water Permeability
8. D2859 – Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
9. F355 – Standard Test Method for Shock-Absorbing Properties of Playing Surfaces
10. D1557 – Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort.

1.5 SITE INSPECTION

- A. The inspection shall include a check for planarity. The finished surface shall not vary from a true plane more than 1/4" in 10 feet when measured in any direction. The Contractor shall provide all required tools and materials needed for the planarity check, which may include but not be limited to, a laser level, string line, straight edge and/or other assessment materials. The Contractor shall mark in the field any deviations from grade in excess of those specified above, as well as provide a marked up plan locating the deviations. The Contractor shall correct any deviations to the satisfaction of the Engineer and Synthetic Turf installer.
- B. The compaction of aggregate base shall be 95% to Standard Proctor and surface tolerances shall not exceed 1/4" over 10 feet.

1.6 ENVIRONMENTAL CONDITIONS

- A. Install synthetic turf surfacing only when ambient air temperature is 35 F or above and the relative humidity is below 35% or as specified by the product manufacturer. Installation will not proceed if rain is imminent.
- B. Install product only when prepared base is suitably free of dirt, dust, and petroleum products, is moisture free and sufficiently secured to prevent unwanted pedestrian and vehicular access.
- C. Maintain all benchmarks, monuments, and other reference points. If disturbed or destroyed, replace as directed.
- D. Adjacent streets, sidewalks, and property shall be kept free of mud, dirt, or similar

nuisances resulting from earthwork operations.

1.7 QUALITY CONTROL

- A. Prior to the beginning of installation, the Synthetic Turf Installer shall inspect the subbase. The installer will accept the sub-base in writing when the general contractor provides test results for compaction, planarity and permeability that are in compliance with the synthetic turf manufacturer's recommendations and as stated herein.
- B. Remove defective Work, whether the result of poor workmanship, defective products or damage, which has been rejected by the Engineer as unacceptable. Replace defective work in conformance with the Contract Documents.
- C. Contractor shall retain the services of a CPSI to review, report and approve installation of safety surfacing after installation. Submit report to Owner's Representative at substantial completion of work.

1.8 INSTALLING CONTRACTOR QUALIFICATIONS:

- A. Contractor must hold a current "A" License (in conjunction with related specialty license).
- B. Contractor must have over 10 years of synthetic turf play field installation experience.
- C. Contractor must be a "certified installer" for the synthetic turf product manufacturer being installed.
- D. Contractor must provide reference confirming they have installed a (similar size & scope) School District project, to be not less than 20 play area synthetic turf sites in the last 3 years.

1.9 SUBMITTALS:

- A. Submit the following with Proposal:
 - 1. Submit the exact product name/description as well as the name and location of the manufacturers and suppliers of each component. Manufacturers and suppliers must not be changed after the contract is awarded unless approved by the Owner in writing.
 - 2. Submit two (2) samples, 12"x12" minimum size, illustrating details of finished product as bid, including full cross section of subbase, turf, and infill material.
 - 3. Product Literature: Submit manufacturer's recommended installation and maintenance information, including any technical criteria for evaluation of the installed product. Descriptions of all equipment recommended for the maintenance and repair of turf product, as well as a list of any activities not recommended relative to the warranty.

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1.10 WARRANTY

- A. Contractor must submit warranty information to Owner's representative upon completion of installation for synthetic turf, padding and infill.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Products of the specified manufacturers form the basis for design and quality intended.
- B. Or equal as approved in accordance with Division 01, General Requirements for substitutions.

2.2 TURF SYSTEM

- A. MAXSPORT: DUO.
- B. Manufactured by American Sports Construction (ASC)
1318 Dupont Court, Manteca, CA 95336
(209) 412-0284
- C. Synthetic turf with a blend of XP slit film and Diamond monofilament fiber.

- 1. Standard colors: Lime Green, Field Green, Field Green/Lime.
- 2. Pile content to be XPS slit-film, XWRD mono.
- 3. Primary backing to be Matrix 18 pic/Nonwoven.
- 4. Secondary backing to be 20 oz.
- 5. Total weight to be 87 oz.
- 6. Pile height to be 2".
- 7. Face weight to be 48 oz.
- 8. Gauge to be 3/8".
- 9. Fiber setup to be 10050 XPS, 6-ply XWRD.
- 10. Roll width to be 15'.
- 11. Water permeability to be 64.5 inches per hour.
- 12. Tuft bind to be 9 lbs.
- 13. Grab/tear to be 420/258 (X/Y)
- 14. Pill flammability shall PASS.
- 15. Yarn specifications as follows:

Density: 10,050/1 (XP)

12,000/6 (WWRD)

Thickness: 120 (XP), 365 (XWRD)

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Melting point: 265 degrees F
Breaking strength: 11 lbs/square inch (XP)
15.9 lbs/square inch (XWRD)
Lead content: <100 ppm

16. Particulate Infill:

- a. Type: Quality infill
- b. Weight: 3.5-4.5 pounds per square foot (approximately)
- c. Height: Approximately .5 inch to .75 inch
- d. Colors: natural.
- e. Infill shall be Brockfill, www.brockusa.com, (303) 544-5800, engineered wood particle, organic infill, with 10 year warranty that covers durability against breakdown, material purity, no contaminants, no mold, mildew and bacteria.

17. Drainage rate:

- a. 30+ inches of rain per hour per square yard.

2.2 SYNTHETIC GLUE MATERIAL

- A. Adhesive products shall be Nordot 34G, Mapei 2K, Turf Claw, hot melt technology or equivalent as approved by the manufacturer.
- B. Any adhesive products required for the installation of a proposed turf system shall be purpose-suited to the system. The material and application methods shall be as recommended by the adhesive manufacturer.
- C. Disposal of adhesive containers and unused adhesives as well as any fees resulting from such disposal shall be the responsibility of the Contractor.

2.3 FOAM CUSHION

- A. Brock Powerbase YSR Pad resilient molded expanded polypropylene base system, shall not decay or degrade and shall be resistant to bacteria, fungi and chemicals. Product shall be interlocking panels approximately 59.8x40.7 inches, 1" approximate minimum thickness for up to an 4' fall height attenuation and weighing approximately 4.0 pounds per panel. Manufacturer shall offer a 10-year warranty for durability and maintaining critical fall height.
- B. Contact Brock USA LLC, www.brockusa.com, local representative Dave Brown (530) 575-8976.
- C. Testing References: American Society for Testing and Materials (ASTM), International Standards Organization (ISO), European Committee for Standardization (EN), German Institute for Standardization (DIN), Cradle to Cradle Products Innovation Institute (C2CPPI), Environmental Protection Agency (EPA):

ASTM D3574-08 Standard Specification for Flexible Materials - Tensile Strength,

Test E	Tensile Elongation
ASTM D3575-08, Test D	Flexible cellular polymeric materials - Determination of Compression Strength
ASTM D696	Determination of Coefficient of Linear Thermal Expansion
ISO 62:2008 DIN 53 428	Standard Test Method for Water Absorption of Plastics
ASTM 1551: DIN 18-035, Part 6	Water Permeability of Synthetic Turf Systems and Permeable Bases
ASTM D4716-14	Standard Test Method for Determining the (In-plane) Flow Rate per Unit Width and Hydraulic Transmissivity of a Geosynthetic Using a Constant Head – TRI procedure using characteristic flow equation.
ASTM F355-16 Missile E	Standard Test Method for Impact Attenuation of Turf Playing Surface Systems, Other Protective Sport Systems, and Materials Used for Athletics, Recreation and Play
ASTM F3146-18	Standard Test Method for Impact Attenuation of Turf Playing Surface Systems Designated for Rugby
ASTM F355-16 Missile A	Standard Test Method for Impact Attenuation of Playing Surface Systems, Other Protective Sport Systems, and Materials Used for Athletics, Recreation and Play
ASTM F3189-17	Standard Method for Measuring Force Reduction, Vertical Deformation, Energy Restitution of Synthetic Turf Systems Using the Advanced Artificial Athlete
EN 14808:2005	Surfaces for Sports Areas. Determination of Shock Absorption
EN 14809:2005	Surfaces for Sports Areas. Determination of Vertical Deformation
ASTM F1936-10	Standard Specification for Impact Attenuation of Turf Playing Systems as Measured in the Field
ASTM F925	Test Method for Resistance to Chemicals of Resilient Flooring
EN 14030:2010 ISO 12960:1998	Resistance to Acid and Alkaline Liquids
ISO 13438:2004	Resistance to Oxidation (Accelerating Aging)
ASTM G22-76	Determining the Resistance of Plastics to Bacteria
ASTM G21-96	Determining Resistance of Synthetic Materials to Fungi
ISO 14001:2004	Environmental Management Systems

ISO 9001:2008	Quality Management Systems
C2CPII	Cradle to Cradle
EPA 6010B 7470A, 7471A	Heavy Metals, Mercury
EPA 8260B	Volatile Organics
EPA 8270C	Semi-Volatile Organics

D. General Requirements for Underlayment System – A white impact energy absorbing sub-base drainage system designed specifically for use with synthetic turf is required. The specified material must have physical, drainage and performance properties that meet the following requirements:

1. Minimum material nominal thickness one (1) inch.
2. Tensile Strength >80 psi (ASTM D3574-08 Test E)
3. Tensile Elongation >30% (ASTM D3574-08 Test E)
4. Compression Strength >20 psi @ 25% strain (ASTM 3575-08 Test D)
5. Linear Thermal Expansion < 0.10 mm /m /° C (ASTM D696)
6. Water Absorption ≤1% after 24 hrs (ISO 62:2008 / DIN 52 438)
7. Water Permeability >500"/hr (ASTM 1551 DIN 18-035, Part 6)
8. Lateral Transmissivity at 0.005 gradient ≥ 0.50 gpm/ft (ASTM D4716 – TRI Environmental method using characteristic flow equation)
9. Head Injury Criterion <1000 from a 1.2m drop height and <700 from a 1.0m drop height (ASTM F3146-18, Procedure A)
10. Gmax <90 G's (ASTM 355-16, missile A)
11. Shock Absorption >60% (ASTM F3189-17 / EN 14808:2005)
12. Vertical Deformation <7.0 mm (EN 14809:2005)
13. Resistance to Chemicals ≤ 2 (ASTM F925)
14. Resistance to Acid and Alkaline Liquids 0% tensile strength loss after 100-year model (EN 14030:2010 / ISO 12960:1998)
15. Resistance to Accelerated Aging (Oxidation) <10% tensile strength loss after 100-year model of 56 days at 110°C (ISO 13438:2004)
16. Resistance to Bacteria - no growth (ASTM G22)
17. Resistance to Fungi - no growth (ASTM G21)

E. Impact Safety Requirement for installed Surface System of Infilled Synthetic Turf and Underlayment:

1. Surface system must provide average HIC <700 from a 1.3m drop height upon initial testing of installed field. (ASTM F3146-18, Procedure A).

2. Surface system must provide maximum average Gmax of <100 g upon initial testing of installed field (ASTM F1936-10).
3. Surface system must provide average HIC <1000 from a 1.3m drop height during warranty period of artificial turf. (ASTM F3146-18, Procedure A).
4. Surface system must provide maximum average Gmax of field of 120 g during warranty period of artificial turf. (ASTM F1936-10).
5. Surface system must provide critical fall height of 1.6m or higher upon initial testing of the field. (ASTM F355-2016 Missile E).

F. Additional Requirements for California

1. Product must not contain a chemical on the current California Proposition 65 Safe Drinking Water and Toxic Enforcement Act of 1986 - Update effective 06 JUNE 2014
2. Product must not contain concentrations of substances at hazardous waste levels per California Code of Regulations, Title 22, Division 4.5, Chapter 11 – Identification and Listing of Hazardous Waste.

2.4 PERIMETER SECURING

A. Nailing Board:

1. Recycled plastic nominal 2" by 4" continuous Bend-a-Board or equal.

B. Concrete Perimeter Curb: Refer to 32 13 13.1 Concrete Work (Landscape).

2.5 AGGREGATE BASE ROCK

A. Refer to Specifications Section 32 18 13.10 Permeable Base Installation.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Synthetic Turf Installer shall observe the placement, compaction and permeability of aggregate base rock and determine whether the surface is suitable to install the synthetic turf. The aggregate base rock installing Contractor shall modify installation procedures and/or material used until the Contractor's Synthetic Turf Installer is satisfied.
- B. Do not proceed until unsatisfactory conditions are corrected.
- C. Beginning of installation means acceptance of existing conditions.

3.2 GENERAL

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- A. Installation of the synthetic turf system is to comply with the manufacturer's recommendations, requirements and the reviewed and approved shop drawings.
- B. Perform all work in strict accordance with the Contract Documents and the manufacturer's specifications and instructions. Only those skilled technicians proposed in the bid phase are to be assigned to this project by the Contractor.
- C. The designated Supervisor for the Synthetic Turf Installer must be present during any and all construction activity associated with the field installation, including testing, cleanup and training.
- D. All products and equipment are to be from sources approved by the authorized turf manufacturer and conform to the specifications.

3.3 PRODUCT DELIVERY, STORAGE & HANDLING

- A. Deliver products to site in original containers and wrappers as agreed between the Owner's Representative and Contractor. Inspect products upon delivery for damage.
- B. Store products in a location and in a position that protects them from crush damage or any other defects.
- C. Handle and store (on and off site) all materials safely to ensure their physical properties are not adversely affected and that they are not subject to vandalism or damage.
- D. Adhesives shall arrive in dry, sealed containers.
- E. Spare Turf: Contractor to provide 750 SF of spare turf, (2) rolls 7.5' wide x 50' length. Turf shall be delivered to school district corporation yard. Obtain written verification of delivery, date, time and contact person.

3.4 PERMEABLE AGGREGATE BASE ROCK

- A. Refer to Specification Section 32 18 13.10 Permeable Base Installation.

3.5 FOAM CUSHION INSTALLATION

- A. Foam cushion: Approximately 1" thick foam cushion for resilient surfacing for outdoor play and sport play.
- B. Install foam cushion sheets per manufacturer's recommendations. Obtain written installation instructions and procedures from the manufacturer.

3.6 PERIMETER NAILER INSTALLATION

- A. Install perimeter nailer board in concrete band, 5/8" below concrete finished surface. Secure in place with 3/8" x 4" expansion bolts spaced 24" o.c.

3.7 TURF INSTALLATION

- A. Install synthetic turf system in accordance with the manufacturer's written installation instructions.
- B. Turf shall be attached to the perimeter edge as shown in the construction plans and as per the manufacturer.
- C. All seams shall be brushed thoroughly before infill materials are installed.
- D. All terminations shall be as detailed and approved in the shop drawings.

3.8 INFILL INSTALLATION

- A. Broadcast silica sand base as recommended by synthetic turf manufacturer in numerous lifts.
- B. Broadcast BrockFill as recommended by synthetic turf manufacturer and infill manufacturer over synthetic turf for a total system depth of approximately 1.25 inches.
- C. Comb to set infill.

3.9 CLEANING AND COMPLETION

- A. Protect all installed work from other construction activities as installation progresses.
- B. The Contractor shall keep the area clean throughout the construction period and free from the installation process, including track surfaces.
- C. Upon completion of the installation, thoroughly clean surfaces and site of all refuse resulting from the installation process, including track surfaces.
- D. Any damage to existing fixtures or facilities resulting from the installation of the synthetic turf system shall be repaired to original condition at the Contractor's expense prior to Substantial Completion and commencement of the Warranty Period.
- E. A deficiency list will be produced by the Engineer at the conclusion of the project. All installation project deficiencies not in dispute must be remedied by the Contractor prior to the issuance of a certificate of Substantial Completion.
- F. Contractor to provide a written acceptance by the Turf Manufacturer that the turf and base system is installed in accordance with their recommendations prior to final completion.
- G. Submit product warranties to Owner's Representative at substantial completion of work.

END OF SECTION

SECTION 32 18 13.10

PERMEABLE BASE INSTALLATION

PART 1 - GENERAL

1.1 SCOPE OF WORK

- A. The Contractor's scope of work includes site preparation, excavation, disposal of excess or unsuitable material, subgrade grading, installation of subsurface drain pipe and perimeter header, and the selection, purchase, grading and compaction of top and bottom rock in accordance with the lines, grades, and cross-sections shown on the drawings.

1.2 QUALITY ASSURANCE

- A. Reference Standards - ASTM: American Society for Testing and Materials.
- B. Contractor's Materials Testing Agency Qualifications: An independent testing agency qualified to conduct soil materials and rock-definition testing that complies with ASTM E329 or D3740 and has personnel with at least 5 years of experience performing the following ASTM standard test methods and practices;
 - 1. D75: Standard Practice of Sampling Aggregates.
 - 2. C131: Standard Test Method for Resistance to Degradation of Small-Size Coarse Aggregate by Abrasion and Impact in the Los Angeles Machine.
 - 3. C136: Standard Test Method for Sieve Analysis of Fine and Coarse Aggregates.
 - 4. C702: Standard Practice for Reducing Samples of Aggregate to Testing Size.
 - 5. D1557: Standard Test Methods for Laboratory Compaction Characteristics of Soil Using Modified Effort.
 - 6. D2434: Standard Test Method for Permeability of Granular Soils (Constant Head).
- C. Owner's Testing Agency shall review Contractor's submittals under this specification and recommend action as defined under Section for Submittals.
- D. The Owner shall reject material delivered to the site not meeting specifications. All material rejected by the Owner shall be removed from the site and replaced with suitable material at the Contractor's expense.

1.3 SUBMITTALS

- A. Pre-Construction Submittals:
 - 1. Submit five (5) copies of product data on pipe, pipe accessories, filter fabric and liner.

2. Submit five (5) copies of certification signed by Contractor's Materials Testing Agency stating they meet the qualifications presented in Article 1.2.B - Quality Assurance.
 3. Submit one (1) sample each, sealed five-gallon container of bottom and top rock materials.
 4. Submit five (5) copies of certification signed by Contractor's Rock Manufacturer stating that the submittal samples were prepared and tested within the last 30 days by the rock manufacturer and meet the specified gradation requirements. Certification shall list specified gradation requirements and show results of gradation test conducted in accordance with ASTM C136.
 5. Submit certification signed by Contractor's Materials Testing Agency stating that submittal samples were collected, prepared, and tested in accordance with the ASTM standard test methods and practices listed in Article 1.2 - Quality Assurance, and meets all specified requirements. Additional reporting requirements for this certification:
 - a. List specified requirements and results of tests conducted in accordance with Article 1.2.B - Quality Assurance.
 - b. Description of ASTM D2434 testing apparatus and procedure used to prepare samples for testing.
 6. Submit certification signed by the Synthetic Turf Installer or Synthetic Turf Manufacturer stating that they have reviewed and approved Contractor's pre-construction submittals for the permeable rock materials.
- B. Submittals during Construction:
1. Submit certification signed by Contractor and Contractor's Drainage System Installer stating that installed materials conform to specified requirements and system was successfully checked and tested prior to covering with rock and soil.
 2. For every 700 tons of permeable rock material produced, submit five (5) copies of certificate of compliance signed by Contractor's Rock Manufacturer stating that a quality control sample was collected, prepared, and tested by the Rock Manufacturer and met the specified gradation requirements. Certification shall report specified gradation requirements and results of gradation test conducted in accordance with ASTM C136. This submittal shall be received and approved by the Owner prior to delivery of the material to the site.
 3. For each truck load of rock material delivered to the site, a copy of the corresponding approved certificate of compliance shall be given to the Owner's Testing Agent. The Owner shall reject truck loads delivered to the site if an approved certificate of compliance is not provided. All material rejected by the Owner shall be removed from the site and replaced with suitable material at the Contractor's expense.
 4. Submit certification signed by the Contractor's Synthetic Turf Installer stating that they have observed the initial placement and compaction of the permeable rock and find the surface suitable to install the synthetic turf. This submittal shall be received and approved by the Owner prior to completion of top rock placement.

1.4 MATERIAL TESTING AND INSPECTION DURING CONSTRUCTION

- A. The Owner's Testing Agent will be present intermittently to observe the Contractor's operation, to perform tests and measurements, and to adjust the work as necessary to meet field conditions. Such observations, tests, measurements and work adjustments shall not alter the requirements of the drawing or specifications nor imply any superintendence or control of the Contractor's operation, nor warranty the Contractor's work.
- B. Submittal samples shall be held by Owner's Testing Agent for possible testing until completion of construction.
- C. During construction, the Contractor shall perform his own inspection of and testing by Contractor's Materials Testing Agency or Rock Manufacturer on rock materials to the degree he deems necessary for him to assure compliance of the rock materials with the specifications. This inspection and testing shall be in addition to that which is specifically required by this specification.
- D. Contractor's Materials Testing Agency shall be required to conduct the following tests during construction:
 - 1. If ASTM C136 test results conducted by the Contractor's Rock Manufacturer on a quality control sample indicates a difference of 10% or greater passing the no. 4 sieve size from the test results of the approved permeable rock submittal sample, ASTM D2434 testing shall be conducted on the material to confirm that the material meets the minimum permeability requirement.
- E. The Owner's Testing Agent shall periodically inspect and/or obtain samples of rock materials at the source and/or as they are delivered to the site. Any rock material that does not conform to the approved submittal samples will be rejected immediately or tested by the Owner's Testing Agent to verify compliance with the specifications. Such tests shall imply no warranty of the Contractor's work or compliance with the specifications.
 - 1. Costs for initial rock material testing by the Owner's Testing Agent are the responsibility of the Owner. Costs for any rock material testing by the Owner's Testing Agent on rock materials that are a replacement for rock materials that were rejected by the Owner's Testing Agent due to nonconformance with the specifications, Contractor's submittals or quality control test results, will be borne by the Contractor and may be invoiced to the Contractor by the Owner or deducted from the next Progress Payment.
- F. The Owner's Testing Agent shall conduct the following tests during construction:
 - 1. Laboratory permeability testing (ASTM D2434) on at least one sample of the permeable rock material.
 - 2. Laboratory and field testing (ASTM D1557 and D2167, D2922, or D3017) to determine relative density of compacted soil and rock materials.
 - 3. Field percolation testing at four to six locations on the completed rock surface.

1.5 SITE CONDITIONS

- A. The Contractor shall satisfy himself as to the nature and quantity of materials to be moved and other work to be performed, and shall notify the Owner's Representative of any differences between site conditions shown on the drawings and actual conditions prior to commencement of work.

PART 2 - PRODUCTS

2.1 PERMEABLE ROCK

- A. Permeable Rock shall be crushed rock conforming to the following requirements:

1. Gradation Requirements (ASTM C136):

a. Maximum particle size: 1-1/2"

b. Maximum percent passing #200 sieve: 3%

c. Gradation Criteria:

$$D_{60}/D_{10} > 2.5 ; 1 < \frac{D_{30}^2}{D_{10} D_{60}} < 3 ; \frac{D_{15} \text{ of bottom rock}}{D_{85} \text{ of top rock}} \leq 5 ; S(x) - S(1/2 x) < 60\%$$

["D60" is the particle size diameter of which 60 percent of the test sample's particle diameters are smaller. This and other specified diameters shall be interpolation from a semi-log plot of the gradation test results.]

["S(x) - S(1/2 x)" is the difference in percent passing between any sieve and the sieve representing half of its nominal opening size. The difference between these percentages shall not exceed 60 percent.]

2. Drainage Requirements (ASTM D2434):

a. Permeability > 30 in/hr. Test with rock saturated and compacted to 92% Modified Proctor.

3. Durability Requirements (ASTM C131):

a. LA Abrasion (500 revs) < 40

- B. Suggested Gradation Ranges: rock within the following ranges will generally meet the requirements listed above. This information is not a warranty, it is only intended to help guide the Contractor's Rock Manufacturer in the production of the materials.

Gradation Sieve Size	Bottom Rock Percent Passing	Top Rock Percent Passing
2"	100	-
1-1/2"	90 – 100	-
1"	75 – 100	-
3/4"	65 - 95	-

1/2"	55 – 85	100
3/8"	40 – 75	85 – 100
No. 4	20 – 55	60 – 85
No. 8	0 – 40	35 – 65
No. 16	0 – 20	10 – 45
No. 30	0 – 7	0 – 30
No. 50/60	0 – 5	0 – 15
No. 100	0 – 3	0 – 8
No. 200	0 – 2	0 – 2

PART 3 - EXECUTION

3.1 PERMEABLE ROCK

- A. The specified permeable rock shall be carefully placed and compacted over the subgrade and/or drain pipe to the grades and elevations shown on the drawings. If the thickness of the planned base rock exceeds 6 inches, the rock shall be placed in horizontal layers not exceeding 6 inches and each layer compacted to 92 percent relative compaction with a vibratory smooth drum roller.
- B. Should any segregation of the material occur, during any stage of the stockpiling, spreading or grading, the Contractor shall immediately remove and dispose of segregated material and correct or change handling procedures to prevent any further separation.
- C. Finished surface shall be proof rolled to 92 percent relative compaction in accordance with ASTM D1557 (Modified Proctor Procedure) with a vibratory smooth drum roller to provide a non-yielding, smooth surface and surface tolerance shall not exceed 0-1/4 inch over 10 feet and 0-1/2" from design grade.
- D. Final rock grades shall conform to the lines and grades shown on the drawings. The measured grades shall not deviate more than 0.08 feet from the planned grades and not vary more than 0.04 feet in 10 feet in any direction. Laser grading is recommended.
- E. A small trial area (15 feet square, minimum) of rock shall be installed prior to installing the complete surface. The Contractor's Synthetic Turf Installer shall observe the placement, compaction and permeability of base rock in the trial area and determine whether the surface is suitable to install the synthetic turf. The base rock installing Contractor shall modify installation procedures and/or material used until the Contractor's Synthetic Turf Installer is satisfied.
- F. Field percolation testing shall be conducted by the Owner's Testing Agent in accordance with Section 1.4.F.3. The Contractor shall correct the permeable base rock installation, at no cost to the Owner, if the minimum percolation requirement is not achieved.

3.2 FINISHING OF SURFACE PLANARITY

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- A. Finish surface planarity shall be verified, and if necessary adjusted, by the Contractor using string line method. A mason's line held taught between two workman separated by a distance of approximately 40 feet, shall be placed directly on the finished surface, parallel to the direction of greatest slope. A third workman shall check for separations between the mason's line and the finished surface that are equal to or greater than the tolerances specified. Areas of separation shall be outlined with marking paint and the depth of separation indicated.
- B. Entire finished surface shall be "walked" with mason's line in increments of approximately 3 feet.
- C. Areas outlined with marking paint shall be filled with permeable rock to the depth indicated and raked by hand. Filled areas shall be compacted to 92 percent relative compaction with a vibratory plate to provide a non-yielding, smooth, flat surface.
- D. Finished surface planarity shall be approved by the Owner and the Synthetic Turf Installer.

END OF SECTION

SECTION 32 18 16

SYNTHETIC RESILIENT SURFACING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS:

- A. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division-1 Specification sections, apply to the work of this section.

1.2 DESCRIPTION OF WORK:

- A. The extent of work in this Section furnishing, delivery, installation and warranty of a complete synthetic turf system including drainage, synthetic turf, and resilient foam.
- B. Furnish all labor, materials, tools and equipment necessary to install slit-film artificial grass as indicated on the plans and as specified herein; including components and accessories required for a complete installation. including but not limited to:
 - 1. Review and written acceptance of prepared sub-base.
 - 2. Review and written acceptance of base rock material and installation.
 - 3. Coordination with related trades to ensure a complete, integrated, and timely installation: permeable aggregate base course, sub-base material (tested for permeability), grading and compacting, piping and drain components (when required); as provided under its respective trade section.

1.3 QUALITY ASSURANCE:

- A. All manufactured items shall be inspected and approved upon delivery.
- B. Coordinate all work with the work of other sections to avoid delay and interference with other work.
- C. Protect from damage and intrusion of deleterious materials during delivery, handling, storage, and installation.

1.4 REFERENCES

A. RELATED SECTIONS:

- 1. 32 13 13.1 Concrete Work (Landscape).
- 2. 32 18 16.13 Dual component Playground Tile System.
- 3. 32 18 13.10 Permeable Base Installation.

B. ASTM TEST METHODS

1. D1577 – Standard Test Method for Linear Density of Textile Fiber
2. D5848 – Standard Test Method for Mass Per Unit Area of Pile Yarn Floor Covering
3. D418 – Standard Test Method for Testing Pile Yarn Floor Covering Construction
4. D1338 – Standard Test Method for Tuft Bind of Pile Yarn Floor Coverings
5. D1682 – Standard Method of Test for Breaking Load and Elongation of Textile Fabrics
6. D5034 – Standard Test Method of Breaking Strength and Elongation of Textile Fabrics (Grab Test)
7. F1551 – Standard Test Methods for Water Permeability
8. D2859 – Standard Test Method for Ignition Characteristics of Finished Textile Floor Covering Materials
9. F355 – Standard Test Method for Shock-Absorbing Properties of Playing Surfaces
10. D1557 – Test Method for Laboratory Compaction Characteristics of Soil Using Modified Effort.
11. ASTM F1951-99 Standard Specification for Determination of Accessibility of Surface Systems Under and Around Playground Equipment.
12. ASTM F 1292 - Standard Specification for Impact Attenuation of Surface Systems Under and Around Playground Equipment.
13. US Consumer Product Safety Commission (CPSC) Handbook for Playground Safety.
14. CPSI: Certified Playground Safety Inspector by the National Recreation and Park Association.

1.5 SITE INSPECTION

- A. The inspection shall include a check for planarity. The finished surface shall not vary from a true plane more than 1/4" in 10 feet when measured in any direction. The Contractor shall provide all required tools and materials needed for the planarity check, which may include but not be limited to, a laser level, string line, straight edge and/or other assessment materials. The Contractor shall mark in the field any deviations from grade in excess of those specified above, as well as provide a marked up plan locating the deviations. The Contractor shall correct any deviations to the satisfaction of the Engineer and Synthetic Turf installer.
- B. The compaction of aggregate base shall be 95% to Standard Proctor and surface tolerances shall not exceed 1/4" over 10 feet.

1.6 ENVIRONMENTAL CONDITIONS

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- A. Install synthetic turf surfacing only when ambient air temperature is 35 F or above and the relative humidity is below 35% or as specified by the product manufacturer. Installation will not proceed if rain is imminent.
- B. Install product only when prepared base is suitably free of dirt, dust, and petroleum products, is moisture free and sufficiently secured to prevent unwanted pedestrian and vehicular access.
- C. Maintain all benchmarks, monuments, and other reference points. If disturbed or destroyed, replace as directed.
- D. Adjacent streets, sidewalks, and property shall be kept free of mud, dirt, or similar nuisances resulting from earthwork operations.

1.7 QUALITY CONTROL

- A. Prior to the beginning of installation, the Synthetic Turf Installer shall inspect the subbase. The installer will accept the sub-base in writing when the general contractor provides test results for compaction, planarity and permeability that are in compliance with the synthetic turf manufacturer's recommendations and as stated herein.
- B. Remove defective Work, whether the result of poor workmanship, defective products or damage, which has been rejected by the Engineer as unacceptable. Replace defective work in conformance with the Contract Documents.
- C. Contractor shall retain the services of a CPSI to review, report and approve installation of safety surfacing after installation. Submit report to Owner's Representative at substantial completion of work.

1.8 INSTALLING CONTRACTOR QUALIFICATIONS:

- A. Contractor must hold a current "A" License (in conjunction with related specialty license).
- B. Contractor must have at least (1) CPSI & (1) NPCAI on staff to ensure familiarity with all playground regulations & requirements.
- C. Contractor must have over 10 years of playground installation & playground surfacing experience.
- D. Contractor must be a "certified installer" for the synthetic turf product manufacturer being installed.
- E. Contractor must provide reference confirming they have installed a (similar size & scope) School District project, to be not less than 20 play area synthetic turf sites in the last 3 years.

1.9 SUBMITTALS:

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A. Submit the following with Proposal:

1. Submit the exact product name/description as well as the name and location of the manufacturers and suppliers of each component. Manufacturers and suppliers must not be changed after the contract is awarded unless approved by the Owner in writing.
2. Submit two (2) samples, 12"x12" minimum size, illustrating details of finished product as bid, including full cross section of subbase, turf, and infill material.
3. Product Literature: Submit manufacturer's recommended installation and maintenance information, including any technical criteria for evaluation of the installed product. Descriptions of all equipment recommended for the maintenance and repair of turf product, as well as a list of any activities not recommended relative to the warranty.

1.10 WARRANTY

- A. Contractor must submit warranty information to Owner's representative upon completion of installation for synthetic turf, padding and infill.

PART 2 - PRODUCTS

2.1 ACCEPTABLE MANUFACTURERS

- A. Products of the specified manufacturers form the basis for design and quality intended.
- B. Or equal as approved in accordance with Division 01, General Requirements for substitutions.

2.2 TURF SYSTEM

- A. MAXSPORT: DUO.
- B. Manufactured by American Sports Construction (ASC)
1318 Dupont Court, Manteca, CA 95336
(209) 412-0284
- C. Synthetic turf with a blend of XP slit film and Diamond monofilament fiber.
1. Standard colors: Lime Green, Field Green, Field Green/Lime.
 2. Pile content to be XPS slit-film, XWRD mono.
 3. Primary backing to be Matrix 18 pic/Nonwoven.
 4. Secondary backing to be 20 oz.
 5. Total weight to be 87 oz.
 6. Pile height to be 2".
 7. Face weight to be 48 oz.

HMC Architects

8. Gauge to be 3/8".
9. Fiber setup to be 10050 XPS, 6-ply XWRD.
10. Roll width to be 15'.
11. Water permeability to be 64.5 inches per hour.
12. Tuft bind to be 9 lbs.
13. Grab/tear to be 420/258 (X/Y)
14. Pill flammability shall PASS.
15. Yarn specifications as follows:
 - Density: 10,050/1 (XP)
12,000/6 (WWRD)
 - Thickness: 120 (XP), 365 (XWRD)
 - Melting point: 265 degrees F
 - Breaking strength: 11 lbs/square inch (XP)
15.9 lbs/square inch (XWRD)
 - Lead content: <100 ppm
16. Particulate Infill:
 - a. Type: Quality infill
 - b. Weight: 3.5-4.5 pounds per square foot (approximately)
 - c. Height: Approximately .5 inch to .75 inch
 - d. Colors: natural.
 - e. Infill shall be Brockfill, www.brockusa.com, (303) 544-5800, engineered wood particle, organic infill, with 10 year warranty that covers durability against breakdown, material purity, no contaminants, no mold, mildew and bacteria.
17. Drainage rate:
 - a. 30+ inches of rain per hour per square yard.

2.2 SYNTHETIC GLUE MATERIAL

- A. Adhesive products shall be Nordot 34G, Mapei 2K, Turf Claw, hot melt technology or equivalent as approved by the engineer.
- B. Any adhesive products required for the installation of a proposed turf system shall be purpose-suited to the system. The material and application methods shall be as recommended by the adhesive manufacturer.
- C. Disposal of adhesive containers and unused adhesives as well as any fees resulting from such disposal shall be the responsibility of the Contractor.

2.3 FOAM CUSHION

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- A. Brock Powerbase Play Shock Pad resilient molded expanded polypropylene base system, shall not decay or degrade and shall be resistant to bacteria, fungi and chemicals. Product shall be interlocking panels approximately 59.8x40.7 inches, 2" approximate minimum thickness for up to an 9' fall height attenuation and weighing approximately 4.0 pounds per panel. Manufacturer shall offer a 10-year warranty for durability and maintaining critical fall height.
- B. Contact Brock USA LLC, www.brockusa.com, local representative Dave Brown (530) 575-8976.
- C. Testing References: American Society for Testing and Materials (ASTM), International Standards Organization (ISO), European Committee for Standardization (EN), German Institute for Standardization (DIN), Cradle to Cradle Products Innovation Institute (C2CP II), Environmental Protection Agency (EPA):
- | | |
|--------------------------------------|--|
| ASTM F1292-17 | Standard Specification for Impact Attenuation of Surfacing Materials Within the Use Zone of Playground Equipment |
| ASTM D3574-08
Test E | Standard Specification for Flexible Materials - Tensile Strength, Tensile Elongation |
| ASTM D3575-08,
Test D | Flexible cellular polymeric materials - Determination of Compression Strength |
| ASTM F1551;
DIN 18-035, Part
6 | Water Permeability of Synthetic Turf Systems and Permeable Bases |
| ASTM C272 | Standard Test Method for Water Absorption of Core Materials for Sandwich Constructions |
| ASTM D696 | Determination of Coefficient of Linear Thermal Expansion |
| FMVSS 302 | Test Procedure for Evaluating Flammability of Interior Materials |
| ASTM F925 | Test Method for Resistance to Chemicals of Resilient Flooring |
| EN 14030:2010
ISO 12960:1998 | Resistance to Acid and Alkaline Liquids |
| ISO 13438:2004 | Resistance to Oxidation (Accelerating Aging) |
| ASTM G22-76 | Determining the Resistance of Plastics to Bacteria |
| ASTM G21-96 | Determining Resistance of Synthetic Materials to Fungi |
| ISO 14001:2004 | Environmental Management Systems |
| ISO 9001:2008 | Quality Management Systems |
| C2CP II | Cradle to Cradle |

EPA 6010B 7470A, 7471A	Heavy Metals, Mercury
EPA 8260B	Volatile Organics
EPA 8270C	Semi-Volatile Organics
CCR Title 22	California Department of Toxic Substances Control Code of Regulations
COEHHA Proposition 65	California Safe Drinking Water and Toxic Enforcement Act

D. General Requirements for Underlayment System – An impact energy absorbing sub-base drainage system designed specifically for use with synthetic turf is required. The specified material must have physical, drainage and performance properties that meet the following requirements:

1. Minimum material nominal thickness two (2) inches.
2. Tensile Strength >50 psi (ASTM D3574-08 Test E)
3. Tensile Elongation >10% (ASTM D3574-08 Test E)
4. Compression Strength >20 psi @ 25% strain (ASTM 3575-08 Test D)
5. Water Permeability >250"/hr (ASTM F1551; DIN 18-035, Part 6)
6. Water Absorption ≤ 1% after 24 hrs (ASTM C272)
7. Linear Thermal Expansion < 0.10 mm /m /° C (ASTM D696)
8. Flammability Flame Spread < 100 mm /min. (FMVSS 302)
9. Resistance to Chemicals ≤ 2 (ASTM F925)
10. Resistance to Acid and Alkaline Liquids 0% tensile strength loss after 100-year model (EN 14030:2010 / ISO 12960:1998)
11. Resistance to Accelerated Aging (Oxidation) <10% tensile strength loss after 100-year model of 56 days at 110°C (ISO 13438:2004)
12. Resistance to Bacteria - no growth (ASTM G22)
13. Resistance to Fungi - no growth (ASTM G21)

E. Impact Safety Requirement for installed Surface System of Infilled Synthetic Turf and Underlayment:

1. Surface system must provide average HIC <1,000 from an 8ft drop height upon initial testing of installed playground. (ASTM F1292).

F. Additional Requirements for California

1. Product must not contain a chemical on the current California Proposition 65 Safe Drinking Water and Toxic Enforcement Act of 1986 - Update effective 06 JUNE 2014

2. Product must not contain concentrations of substances at hazardous waste levels per California Code of Regulations, Title 22, Division 4.5, Chapter 11 – Identification and Listing of Hazardous Waste.

2.4 PERIMETER SECURING

- A. Nailing Board:
 1. Recycled plastic nominal 2" by 4" continuous Bend-a-Board or equal.
- B. Concrete Perimeter Curb: Refer to 32 13 13.1 Concrete Work (Landscape).

2.5 AGGREGATE BASE ROCK

- A. Refer to Specifications Section 32 18 13.10 Permeable Base Installation.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Synthetic Turf Installer shall observe the placement, compaction and permeability of aggregate base rock and determine whether the surface is suitable to install the synthetic turf. The aggregate base rock installing Contractor shall modify installation procedures and/or material used until the Contractor's Synthetic Turf Installer is satisfied.
- B. Do not proceed until unsatisfactory conditions are corrected.
- C. Beginning of installation means acceptance of existing conditions.

3.2 GENERAL

- A. Installation of the synthetic turf system is to comply with the manufacturer's recommendations, requirements and the reviewed and approved shop drawings.
- B. Perform all work in strict accordance with the Contract Documents and the manufacturer's specifications and instructions. Only those skilled technicians proposed in the bid phase are to be assigned to this project by the Contractor.
- C. The designated Supervisor for the Synthetic Turf Installer must be present during any and all construction activity associated with the field installation, including testing, cleanup and training.
- D. All products and equipment are to be from sources approved by the authorized turf manufacturer and conform to the specifications.

3.3 PRODUCT DELIVERY, STORAGE & HANDLING

- A. Deliver products to site in original containers and wrappers as agreed between the Owner's Representative and Contractor. Inspect products upon delivery for damage.
- B. Store products in a location and in a position that protects them from crush damage or any other defects.
- C. Handle and store (on and off site) all materials safely to ensure their physical properties are not adversely affected and that they are not subject to vandalism or damage.
- D. Adhesives shall arrive in dry, sealed containers.
- E. Spare Turf: Contractor to provide 750 SF of spare turf, (2) rolls 7.5' wide x 50' length. Turf shall be delivered to school district corporation yard. Obtain written verification of delivery, date, time and contact person.

3.4 PERMEABLE AGGREGATE BASE ROCK

- A. Refer to Specification Section 32 18 13.10 Permeable Base Installation.

3.5 FOAM CUSHION INSTALLATION

- A. Foam cushion – Synthetic Turf, fall height 9' maximum: Approximately 2" thick foam cushion for resilient surfacing for fall height less than 9'.
- B. Install foam cushion sheets per manufacturer's recommendations. Obtain written installation instructions and procedures from the manufacturer. Verify thickness with manufacturer in accordance with play structure fall height.

3.6 PERIMETER NAILER INSTALLATION

- A. Install perimeter nailer board in concrete band, 5/8" below concrete finished surface. Secure in place with 3/8" x 4" expansion bolts spaced 24" o.c.

3.7 TURF INSTALLATION

- A. Install synthetic turf system in accordance with the manufacturer's written installation instructions.
- B. Turf shall be attached to the perimeter edge as shown in the construction plans and as per the manufacturer.
- C. All seams shall be brushed thoroughly before infill materials are installed.
- D. All terminations shall be as detailed and approved in the shop drawings.

3.8 INFILL INSTALLATION

- A. Broadcast silica sand base as recommended by synthetic turf manufacturer.
- B. Broadcast BrockFill as recommended by synthetic turf manufacturer and infill manufacturer over synthetic turf for a total system depth of approximately 1.25 inches.
- C. Comb to set infill.

3.9 CLEANING AND COMPLETION

- A. Protect all installed work from other construction activities as installation progresses.
- B. The Contractor shall keep the area clean throughout the construction period and free from the installation process, including track surfaces.
- C. Upon completion of the installation, thoroughly clean surfaces and site of all refuse resulting from the installation process, including track surfaces.
- D. Any damage to existing fixtures or facilities resulting from the installation of the synthetic turf system shall be repaired to original condition at the Contractor's expense prior to Substantial Completion and commencement of the Warranty Period.
- E. A deficiency list will be produced by the Engineer at the conclusion of the project. All installation project deficiencies not in dispute must be remedied by the Contractor prior to the issuance of a certificate of Substantial Completion.
- F. Contractor to provide a written acceptance by the Turf Manufacturer that the turf and base system is installed in accordance with their recommendations prior to final completion.
- G. Contractor shall retain the services of a CPSI to review, report and approve installation of safety surfacing after installation. Submit report to Owner's Representative at substantial completion of work.
- H. Submit product warranties to Owner's Representative at substantial completion of work.

END OF SECTION

DEFERRED APPROVAL



LIVE · LEAD · LEARN

HMC Architects

3542005-000

1 ADDENDUM 1 06/11/2023

1 ADDENDUM 1 06/11/2023

PROJECT DATA

PROJECT ADDRESS:
PARKSIDE MONTESSORI ELEMENTARY SCHOOL
1685 EISENHOWER ST., SAN MATEO, CA 94403

OCCUPANCY TYPE:
A-2, B

CONSTRUCTION TYPE:
V-B

AUTOMATIC SPRINKLERS THROUGHOUT:
YES

NUMBER OF STORIES:
1

SQUARE FOOTAGE:
6,477 GSF

REFER TO G-0.4 FOR CODE ANALYSIS PLAN

PARTIAL LIST OF APPLICABLE CODES	
2019	CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
2019	CALIFORNIA BUILDING CODE (CBC), PART 2, TITLE 24 C.C.R.
2019	(2018 INTERNATIONAL BUILDING CODE VOLUMES & 2 AND 2019 CALIFORNIA AMENDMENTS)
2019	CALIFORNIA ELECTRICAL CODE (CEC), PART 3, TITLE 24 C.C.R.
2019	(2017 NATIONAL ELECTRICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2019	CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24 C.C.R.
2019	(2018 UNIFORM MECHANICAL CODE AND 2019 CALIFORNIA AMENDMENTS)
2019	CALIFORNIA PLUMBING CODE (CPC), PART 5, TITLE 24 C.C.R.
2019	(2018 UNIFORM PLUMBING CODE AND 2019 CALIFORNIA AMENDMENTS)
2019	CALIFORNIA FIRE CODE, PART 9, TITLE 24 C.C.R.
2019	(2018 INTERNATIONAL FIRE CODE AND 2016 CALIFORNIA AMENDMENTS)
2019	CALIFORNIA EXISTING BUILDING CODE (CEBC), PART 10, TITLE 24 CCR
2019	(2015 INTERNATIONAL EXISTING CODE AND 2019 CALIFORNIA AMENDMENTS)
2019	CALIFORNIA GREEN BUILDING STANDARDS CODE, PART 11, TITLE 24 C.C.R.
2019	(CALGREEN), PART 11, TITLE 24 C.C.R.
2019	CALIFORNIA REFERENCED STANDARDS, PART 12, TITLE 24 C.C.R.
2019	TITLE 19 C.C.R., PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
2016	ASME A17.1/BSA-13 SAFETY CODE FOR ELEVATORS AND ESCALATORS

STATEMENT OF GENERAL CONFORMANCE

I, _____
 () THE DRAWINGS OR SHEETS LISTED ON THE REVERSE PAGE OF THIS DRAWING PAGE OF SPECIFICATIONS/CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.
 () THIS DRAWING PAGE OF SPECIFICATIONS/CALIFORNIA ADMINISTRATIVE CODE, PART 1, TITLE 24 C.C.R.

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS JURISDICTION.

I, _____
 1) DESIGN INTENT AND APPEARS TO MEET THE CODE OF REGULATIONS AND THE PROJECT'S REQUIREMENTS.
 2) COORDINATION WITH MY PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHAPE, SIZE, LOCATION, AND RESPONSIBILITIES UNDER SECTIONS 174.336, 4-341 AND 4-344" OF TITLE 24, PART 1, (TITLE 24, PART 1, SECTION 174.336, 4-341 AND 4-344)

SIGNATURE
 ARCHITECT OR ENGINEER DESIGNATED TO BE IN CHARGE OF RESPONSIBLE CHARGE

JUDY KRALL
 PRINT NAME

C-30964
 LICENSE NUMBER

07-31-2023
 EXPIRATION DATE

PARTIAL LIST OF APPLICABLE STANDARDS		
NFPA 11	STANDARD FOR AUTOMATIC FIRE SPRINKLER SYSTEMS (CA AMENDED)	2016 ED
NFPA 14	STANDARD FOR STANDPIPE AND HOSE SYSTEMS	2016 ED
NFPA 17	STANDARD FOR DRY CHEMICAL EXTINGUISHING SYSTEMS	2017 ED
NFPA 17A	STANDARD FOR WET CHEMICAL EXTINGUISHING SYSTEMS	2017 ED
NFPA 20	STANDARD FOR STATIONARY PUMPS FOR FIRE PROTECTION	2016 ED
NFPA 22	STANDARD FOR WATER TANKS FOR PRIVATE FIRE PROTECTION	2013 ED
NFPA 24	STANDARD FOR THE INSTALLATION OF PRIVATE FIRE MAINS AND THEIR APPURTENANCES	2016 ED
NFPA 70	NATIONAL FIRE ALARM & SIGNALING CODE (CA AMENDED)	2016 ED
NFPA 80	STANDARD FOR FIRE DOORS AND OTHER OPENING PROTECTIVES	2015 ED
NFPA 2001	STANDARD ON CLEAN AGENT FIRE EXTINGUISHING SYSTEMS	2005 (R2010)
UL 300	STANDARD FOR THE INSTALLATION OF FIRE EXTINGUISHING SYSTEMS FOR COMMERCIAL COOKING	2003 ED
UL 464	STANDARD FOR FIRE ALARM AND SIGNALING SYSTEMS, INCLUDING ACCESSORIES	1999 ED
UL 521	STANDARD FOR HEAT DETECTORS FOR FIRE PROTECTIVE SIGNALING SYSTEMS	2002 ED
UL 1971	STANDARD FOR SIGNALING DEVICES FOR THE HEARING IMPAIRED	

FOR A COMPLETE LIST OF APPLICABLE NFPA STANDARDS REFER TO 2016 CBC (IFM) CHAPTER 35 AND CALIFORNIA FIRE CODE CHAPTER 80.

SEE CALIFORNIA BUILDING CODE, CHAPTER 36 FOR STATE OF CALIFORNIA AMENDMENTS TO NFPA STANDARDS.

() THE DRAWINGS OR SHEETS LISTED ON THE INDEX SHEET FOR MODULAR CLASSROOM BUILDING ()
() THIS DRAWING PAGE OF SPECIFICATIONS/CALCULATIONS

HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND/OR
AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

- 1) DESIGN INTENT AND APPEARS TO MEET THE APPROPRIATE REQUIREMENTS OF TITLE 24, CALIFORNIA
CODE OF REGULATIONS AND THE EFFECT SPECIFICATIONS PREPARED BY ME, AND
- 2) COORDINATION WITH MY PLANS AND SPECIFICATIONS IS AND IS ACCEPTABLE FOR INCORPORATION INTO
THE CONSTRUCTION OF THIS PROJECT.

THE STATEMENT OF GENERAL CONFORMANCE "SHALL NOT BE CONSTRUED AS RELIEVING ME OF MY RIGHTS, DUTIES, AND RESPONSIBILITIES UNDER SECTIONS 17302 AND 81138 OF THE EDUCATION CODE AND SECTIONS 4-336, 4-341 AND 4-344" OF TITLE 24, PART 1. (TITLE 24, PART 1, SECTION 4-317 (B))

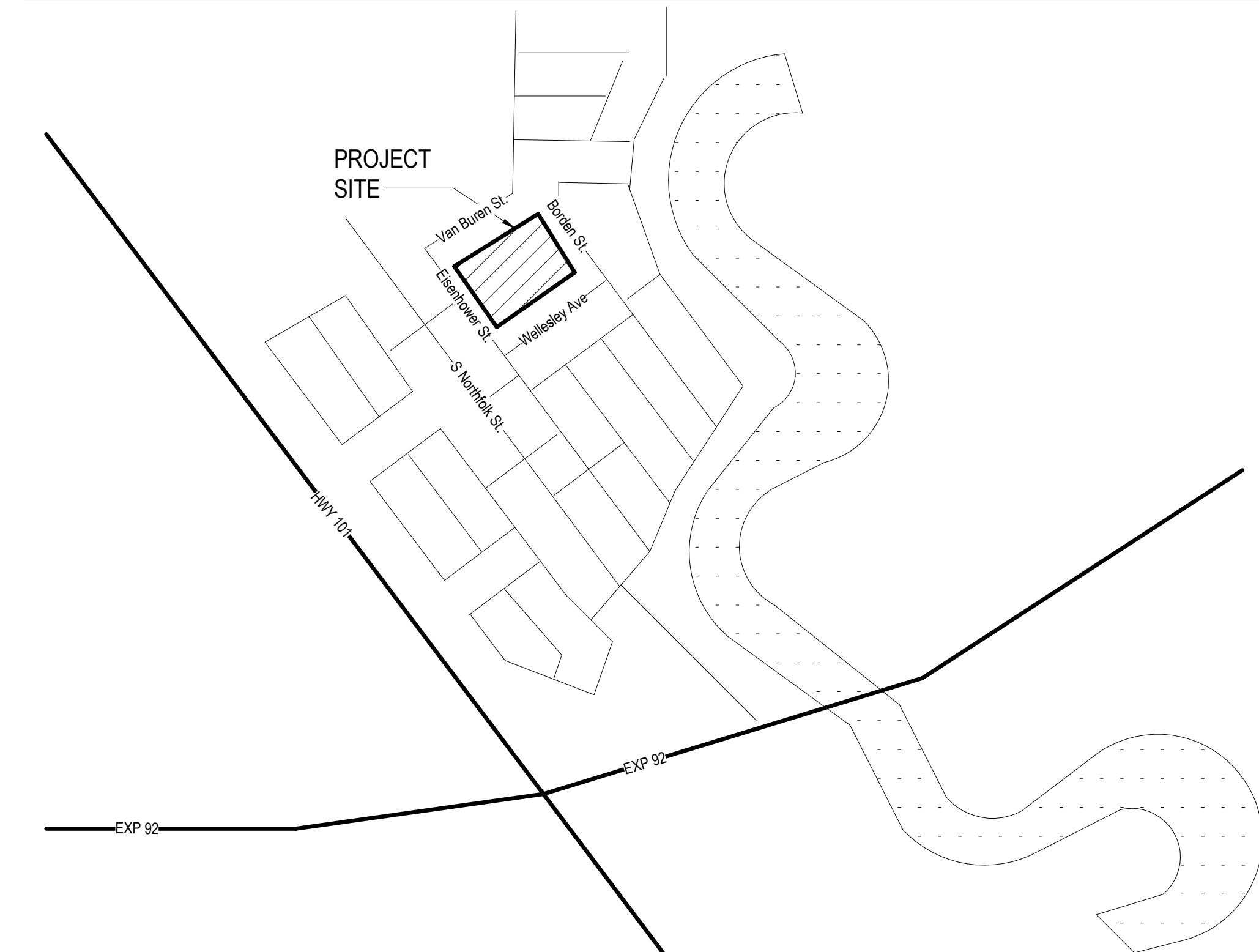
SIGNATURE _____		DATE _____
ARCHITECT OR ENGINEER DESIGNATED TO BE IN GENERAL RESPONSIBLE CHARGE		
JUDY KRALL _____		
PRINT NAME		
C-30964		07-31-2023
LICENSE NUMBER		EXPIRATION DATE

ABBREVIATIONS

VICINITY MAP

(E)	EXISTING	GB	GLASS BRICK
AB	ANCHOR BOLT	GFRC	GLASS FIBER REINFORCED CONCRETE
AC	ASPHALTIC CONCRETE PAVING	GL	GLASS TILE
ACC	ACCESSIBLE	GLB	GLUE LAMINATED BEAM
ACCT	ACOUSTICAL CEILING PANEL	GYP	GYP BOARD
ACT	ACOUSTICAL CEILING TILE	GYP PLAS	GYPSUM PLASTIC
ADJ	ADJUSTABLE	H	HOSE BIBB
AF	ADJUSTABLE FINISH FLOOR	HB	HEAD BUTT
AGG	AGGREGATE	HDR	HEADER
AHU	AIR HANDLING UNIT	HDWR	HARDWARE
ARCH	ARCHITECTURAL	HGT	HEIGHT
ATT	ATTENUATION	HM	HOLLOW METAL
AUTO	AUTOMATIC	HP	HIGH POINT
BO	BOARD	HSS	HOLLOW STEEL SECTION
BLCG	BLOCKING	ID	INTERIOR DIAMETER
BUR	BUILT UP ROOFING	INT	INTERIOR
CABT	CABINET	INVR	INVERT
CF	CUBIC FEET	LANDS	LANDSCAPE
CFCI	CONTRACTOR FURNISHED, CONTRACTOR INSTALLED	LAV	LAVATORY
CFOI	CONTRACTOR FURNISHED, OWNER INSTALLED	LC	LONG LEAD
CG	CORNER GUARD	LCV	LONG LEAD VERTICAL
CJ	CONTROL JOINT	LLT	LOW POINT
CL	CENTER LINE	L T WT	LONG T WELD
CLF	CHAIN LINK FENCE	LVR	LOUVER
CLR	CLEAR	MACH	MACHINE
CMU	CONCRETE MASONRY UNIT	MB	MACHINE BOLT
CO	COLEMAN	MDG	MEDIUM DENSITY FIBERBOARD
COL	COLUMN	MDF	MEDIUM DENSITY OVERLAY
COMP	COMPRESSION / COMPOSITE	MECH	MECHANICAL
CF	CUBIC FEET	MEMB	MEMBRANE
COORD	COORDINATE	MANUF	MANUFACTURER
CORR	CORRUGATED	MH	MANHOLE
CT	CERAMIC TILE	MO	MASONRY OPENING
CTSK	COUNTER SKUNK	MTD	MOUNTED
CU	CURTAIN WALL	NIC	METAL
DEPR	DEPRESSED / DEPRESSION	NLT	NOT IN CONTRACT
DF	DRINKING FOUNTAIN	NR	NON RATER
DIM	DIMENSION	NRS	NOISE REDUCTION COEFFICIENT
DISP	DISPENSER	NTC	NOT TO SCALE
DS	DOWNSPOUT	OVER	OVERALL
DTL	DETAIL	O/A	OVERALL
DW	DISHWASHER	OC	ON CENTER
E	EACH WAY	OD	OUTSIDE DIAMETER
EWS	EXTERIOR INSULATION FINISH	OFCI	OWNER FURNISHED, CONTRACTOR INSTALLED
SYSTEM		OFOI	OWNER FURNISHED, OWNER INSTALLED
EJ	EXPANSION JOINT	OFVI	OWNER FURNISHED, VENDOR INSTALLED
ELEC	ELECTRICAL	OH	OPPOSITE HAND
ELEV	ELEVATION / ELEVATOR	OPER	OPERABLE
ENCL	ENCLOSE / ENCLOSURE	OPENG	OPENING
EOS	EDGE OF SLAB	ORD	OVERFLOW ROOF DRAIN
EP	ELECTRICAL PANEL	PIL	PROPERTY LINE
EQ	EQUAL	PIA	PIB ADDRESS
ESIC	EXCITATION	PAF	PAPER ACTUATED FASTENER
EWC	EXPOSED WATER COOLER		PAVING
EXP	EXPOSED	CCC	PORTELAND CEMENT CONCRETE
FA	FIRE ALARM		PAVING
FD	FLOOR DRAIN	PED	PEDESTRIAN
FDC	FIRE DEPARTMENT CONNECTION	PERF	PERFORATED
FE	FIRE EXTINGUISHER	PERIM	PERIMETER
FEC	FIRE EXTINGUISHER W/ CABINET	PERP	PERPENDICULAR
FF	FINISH FLOOR	PANIC	PANIC HARDWARE
FG	FINISH GRADE	PIH	PISTON INDICATOR VALVE
FH	FIRE HYDRANT	PIV	PIVOT
FHC	FIRE HOSE CABINET	PL	PLATE
FISH	FLAT HEAD SCREW	PLAM	PLASTIC LAMINATE
FIN	FINISH	PLAS	PLASTER
FLR	FLOOR	PLUMB	PLUMBING
FOC	FACE OF CONCRETE	PANEL	PANEL
FOF	FACE OF FINISH	PNT	POINT / PAINTED
FOM	FACE OF MASONRY	POC	POINT OF CONNECTION
FOS	FACE OF STUD	POLY ISO	POLYISOCYANURATE
FP	FIREPROOFING	PREFIN	PREFINISHED
FR	FIRE RATED	PREP	PREP / PREPARATION
FRG	FIRE RATED GLASS	POST	POST MASONED CONCRETE
FRP	FIBERGLASS REINFORCED PLASTIC	POT	PAPER TOLD DISPENSER
FRT	FIRE RETARDANT TREATED	PTN	PARTITION
FS	FINISH SURFACE	PTS	PNEUMATIC TUBE STATION
FTG	FOOTING	SYSTEM	SYSTEM
		PVC	POLYVINYL CHLORIDE
		PVMT	PAVEMENT

QT	QUARRY TILE
R	RADIUS, RISER
RB	RESILIENT BASE
RD	ROOF DRAIN
RECEPT	RECEPTACLE
REF	REFERENCE
REFL	REFLECT(ED), (IVE)
REFR	REFLECT(ED), (IVE)
REFR	REFRIGERATOR
REIN	REINFORCE/REINFORCED/
REIN	REINFORCEMENT
REIN	REMOVE
RH	ROUND HEAD
RHS	ROUND HEAD SCREW
RO	ROUND
ROW	RIGHT OF WAY
S.A.D.	SEE ARCHITECTURAL DRAWINGS
S.C.D.	SEE CIVIL DRAWINGS
S.E.D.	SEE ELECTRICAL DRAWINGS
S.F.S.D.	SEE FOOD SERVICE DRAWINGS
S.L.S.D.	SEE LANDSCAPE DRAWINGS
S.M.D.	SEE MECHANICAL DRAWINGS
S.P.D.	SEE PLUMBING DRAWINGS
S.T.D.	SEE STRUCTURAL DRAWINGS
S.T.C.	SEE TECHNOLOGY DRAWINGS
SCH	SCHEDULE (FOR PIPE)
SCH	SCHEDULE
SD	STORM DRAIN / SOAP DISPENSE
SD	SECTION
SECT	SAFETY GLASS
SHT	SHEET
SHTG	SHOOTING
SHTG	SHEET METAL
SHTG	SANITARY NAPKIN DISH
SNV	SHUT OFF VALVE
SNO	SPECIAL SPECIFICATIONS
SP	SPRINKLER
SS	STAINLESS STEEL
STS	SOUND TRANSMISSION CLASS
STL	STEEL
STMS	SELF TAPPING SHEET METAL
SCREW	
SUP	SUSPENDED
SYM	SHEET VINYL
	SYMMETRICAL
T&B	TREAD
TOP	TOP AND BOTTOM
TOC	TOP OF CURB / CONCRETE
TOS	TOP OF PARAPET
TOW	TOP OF STAIR
TOW	TOP WALL
TPD	TOILET PAPER DISPENSER
TFS	TACKLE SURFACE
TR	TRUCK
UNO	UNLESS NOTED OTHERWISE
UNO	URNAL
UNC	VACUUM
VBT	VAPOR BARRIER
VCT	VINYL COMPOSITION TILE
VHF	VENT FIELD
VTR	VENT THROUGH ROOF
VW	VINYL WALL COVERING
W	WALL
WO	WITHOUT
WO	WOOD BASE
WC	WATER CLOSET
W	WOOD
WDW	WINDOW
WGT	WEIGHT
WH	WATER HEATER
WP	WATERPROOFING/WALL
	PROTECTION
WR	WATER RESISTANT
WRB	WATER RESISTANT GYPSUM
WS	WOOD SCREW
WSCT	WAINSCOT
WVF	WELDED WIRE FABRIC
NOTE:	
OTHER ABBREVIATIONS USED ON THESE DRAWINGS ARE CONSIDERED STANDARDS IN THE BUILDING INDUSTRY. CONTACT ARCHITECT FOR	



SHEET NAME:
PROJECT DATA SHEET

ADDENDUM 2

FILE NO.: 41-26 A NO.: 01-120306

DATE: 06/10/2022	CLIENT PROJ NO
------------------	----------------

SHEET

G0.2

OVER-EXCAVATION & RECOMPACTION NOTES

1. THE SITE SHOULD BE CLEARED OF THE EXISTING STRUCTURE, VEGETATION, ORGANIC TOPSOIL, DEBRIS, UNDOCUMENTED LOOSE OR SOFT FILL, AND OTHER DELETERIOUS MATERIALS.
2. THE BUILDING PAD SHALL BE EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW FINISH FLOOR AND THE UPPER 12-INCHES OF SUBGRADE SHALL BE COMPACTED PER GEOTECHNICAL REPORT RECOMMENDATIONS.
3. ALL EXISTING ASPHALT CONCRETE PAVEMENTS WITHIN THE SITE IMPROVEMENT AREA SHALL BE REMOVED AND DISPOSED OF OFF-SITE AND NOT MIXED WITH ON-SITE SOILS TO BE REUSED AS ENGINEERED FILL BELOW THE BUILDING.
4. AREAS TO RECEIVE FLATWORK SHALL BE OVER-EXCAVATED TO A MINIMUM DEPTH OF 12-INCHES BELOW FINISH GRADE AND THE UPPER 12-INCHES OF SUBGRADE SHALL BE PROOF ROOLLED TO PROVIDE A SMOOTH, FIRM NON-YIELDING SURFACE. ANY LOOSE SOIL SHALL BE REMOVED AND REPLACED WITH ENGINEERED FILL. BAY MUD SHALL NOT BE USED AS FILL.
5. THE GEOTECHNICAL ENGINEER'S REPRESENT SHOULD OBSERVE AND CONFIRM THE ADEQUACY OF SITE CLEARING OPERATIONS DURING CONSTRUCTION PRIOR TO ENGINEERED FILL PLACEMENT.
6. ON-SITE SOILS HAVING AN ORGANIC CONTENT OF LESS THAN 3-PERCENT BY WEIGHT AND FREE OF ROCKS OR LUMPS GREATER THAN 6-INCHES IN GREATEST DIMENSION WITH NO MORE THAN 15-PERCENT LARGER THAN 2.5-INCHES CAN BE REUSED AS GENERAL BACKFILL AND STOCK PILED ON-SITE AS APPROVED BY THE GEOTECHNICAL ENGINEER. BAY MUD SHALL NOT BE USED AS FILL.
7. LOCAL DEWATERING OF THE FOUNDATION AND UTILITY TRENCH EXCAVATIONS MAY BE REQUIRED DUE TO SHALLOW GROUNDWATER CONDITIONS. CONTRACTOR SHALL PROVIDE ALL NECESSARY TOOLS, EQUIPMENT, AND LABOR FOR DEWATERING NO MATTER THE SOURCE. DEWATERING SHALL BE CONTINUOUS UNTIL ALL SITE UTILITIES ARE INSTALLED AND BACKFILLED. CONTRACTOR SHALL PROVIDE DEWATERING AS NECESSARY NO MATTER THE SOURCE AND AT NO COST TO THE OWNER. CONTRACTOR SHALL VERIFY WITH REGIONAL WATER CONTROL BOARD IF DEWATERING IS REQUIRED BEFORE THE START OF CONSTRUCTION.
8. UTILITY TRENCH EXCAVATIONS WHICH BOTTOM IN BAY MUD SHOULD BE OVEREXCAVATED AT LEAST 12 INCHES. THE BOTTOM OF THE OVEREXCAVATION SHOULD BE LINED WITH STABILIZING FABRIC (MIRAFI 500X OR EQUIVALENT) AND SHOULD BE BACKFILLED WITH ¾-INCH CLEAN CRUSHED ROCK IN ORDER TO PROVIDE A STABLE TRENCH BOTTOM PRIOR TO PIPE PLACEMENT. REFER TO GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION.

PROJECT DESCRIPTION

1. CONSTRUCTION OF A MULTIPURPOSE BUILDING WITH SERVERY, WARMING KITCHEN, RESTROOMS, SUPPORT SPACES.
2. REMOVE AND SALVAGE EXISTING LUNCH SHELTER.
3. DEMOLISH, SALVAGE AND REINSTALL EXISTING PLAY STRUCTURE WITH FALL PROTECTION MATS.
4. DEMOLISH AND RECONFIGURE BOTH PARKING LOTS AND DROP-OFF AREA ON WEST SIDE OF CAMPUS.
5. DEMOLISH AND RE-HAVE HARDSCAPE SURFACE AT CAMPUS INTERIOR - EAST SIDE.
6. ADD (2) FIRE HYDRANTS TO CAMPUS.
7. DEMOLISH AND INSTALL SYNTHETIC TURF PLAY FIELD AND TRACK AREA.

ABBREVIATIONS

AB	AGGREGATE BASE	INV	INVERT ELEVATION
AC	ASPHALT CONCRETE	LIP	LIP OF GUTTER
AD	AREA DRAIN	LP	LOW POINT
B/	BOTTOM OF ...	ME	MATCH EXISTING
BFC	BOTTOM FACE OF CURB	PL	PROPERTY LINE
BFS	BOTTOM FACE OF STEP	PLNT	PLANTER
BFW	BOTTOM FACE OF WALL	POC	POINT OF CONNECTION
BLDG	BUILDING	RL	RAIL
BR	BOTTOM OF RAMP	SD	STORM DRAIN
CONG/CNVC	CONCRETE	SDAI	STORM DRAIN AREA DRAIN
EB	ELECTRICAL BOX	SDDI	STORM DRAIN DROP INLET
EC	EDGE OF CONCRETE	SDMH	STORM DRAIN MANHOLE
EG	EXISTING GRADE	SS	SANITARY SEWER
EL	ELEVATION	SSCO	SANITARY SEWER CLEAN OUT
EP	EDGE OF PAVEMENT	TC	TOP OF CURB
EV	ELECTRICAL VAULT	TG	TOP OF GRATE
EX	EXISTING	TR	TOP OF RAMP
FF	FINISH FLOOR	TS	TOP OF STEP
FG	FINISH GRADE	TW	TOP OF WALL
FNC	FENCE	UG	UNDERGROUND
G	GROUND	W	WATER
GRD	GUARD	W-T	TOP OF WALL
HP	HIGH POINT	WV	WATER VALVE

LEGEND

	(E) AC PAVEMENT
	(E) CONCRETE
	AC PAVEMENT AND BASEROCK TO BE REMOVED
	AC PAVEMENT TO BE REMOVED AND BASEROCK TO REMAIN
	AC PAVEMENT AND 12" OF BASEROCK/SUBGRADE TO BE REMOVED
	CONCRETE SIDEWALK TO BE REMOVED
	LIMITS OF AC PAVEMENT AND BASEROCK REMOVAL



AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26



SAN MATEO-FOSTER CITY
SCHOOL DISTRICT
1170 CRESS DR.,
FOSTER CITY, CA 94404

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STUDIO 750, SAN JOSE, CA 95110
(408) 970-9700 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
ADDENDUM #1	08.11.2023
ADDENDUM #2	11.03.2023

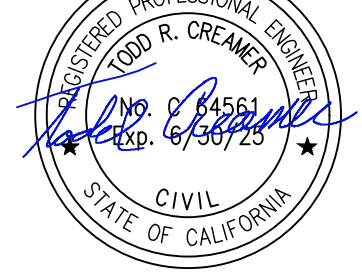
KEYNOTES

DEMOLITION KEY NOTES

1. SAWCUT EX. AC PAVEMENT
2. SAWCUT EX. CONCRETE
3. REMOVE EX. CONCRETE
4. REMOVE EX. AC PAVEMENT AND BASEROCK
5. REMOVE EX. FENCE, GATE, AND ASSOCIATED FOOTINGS
6. REMOVE EX. CONCRETE CURB & GUTTER
7. REMOVE EX. CONCRETE VERTICAL CURB
8. REMOVE EX. FLUSH CURB
9. REMOVE EX. CONCRETE CURB RAMP
10. REMOVE EX. TRUNCATED DOMES
11. REMOVE EX. PLAY MAT AND STRUCTURE. REFER TO LANDSCAPE PLANS FOR EXISTING PLAY STRUCTURE RELOCATION
12. REMOVE EX. SIGN
13. REMOVE EXISTING STORM DRAIN INLET
14. REMOVE EXISTING STORM DRAIN PIPE
15. REMOVE PORTION OF EXISTING UNKNOWN UTILITY
16. EXISTING CONCRETE SIDEWALK TO REMAIN IN PLACE
17. REMOVE EXISTING CONCRETE DRIVEWAY
18. REMOVE EXISTING TREE (TOTAL OF 1)
19. REMOVE EXISTING PLAY STRUCTURE
20. REMOVE EXISTING PLAY SURFACING, AC PAVEMENT, AND 12-INCHES OF BASEROCK/SUBGRADE BELOW AC PAVEMENT. EXISTING PLAY STRUCTURE IS TO BE PROTECTED AND REMAIN IN PLACE
21. EXISTING SHADE STRUCTURE TO BE RELOCATED. SEE LANDSCAPE PLANS FOR NEW LOCATION
22. RELOCATE EXISTING STORAGE CONTAINER WITHIN SITE, COORDINATE LOCATION WITH OWNER
23. REMOVE PORTION OF EXISTING COLLAPSED STORM DRAIN PIPE. CONTRACTOR SHALL POT HOLE TO VERIFY EXACT AMOUNT OF PIPE THAT NEEDS TO BE REPLACED
24. REMOVE EXISTING TURF
25. REMOVE AND SALVAGE EXISTING RAMP FOR REINSTALLATION
26. REMOVE EXISTING WOOD STAIRS
27. REMOVE EXISTING SCHOOL SIGNAGE AND FOUNDATION
28. REMOVE EXISTING CHAINLINK BACKSTOP
29. REMOVE EXISTING BASKETBALL HOOP, POLE, AND FOOTING
30. REMOVE EXISTING BALL WALL AND ASSOCIATED FOUNDATION
31. REMOVE EXISTING POSTS AND ASSOCIATED FOOTING
32. EXISTING STORM DRAIN RIM ELEVATION TO BE RAISED 6-INCHES
33. EXISTING FENCE AND GATE TO REMAIN IN PLACE
34. ADJUST EXISTING STORM DRAIN RIM ELEVATION. SEE SHEET C3.1 FOR NEW RIM ELEVATION
35. REMOVE ONLY THE AC PAVEMENT. EXISTING BASEROCK SHALL REMAIN, BUT BE PROOF ROLLED TO 90% RELATIVE COMPACTION. PRIOR TO REMOVAL CONTRACTOR SHALL VERIFY EXACT AC DEPTH FOR NEW AC PAVEMENT INSTALLATION
36. EXISTING PLANTER TO REMAIN IN PLACE
37. REMOVE EXISTING LANDSCAPING AND ASSOCIATED IRRIGATION SYSTEM
38. REMOVE EXISTING WOOD POST AND RAIL FENCE AND ASSOCIATED FOOTINGS
39. EXISTING TRENCH DRAIN TO REMAIN IN PLACE
40. REMOVE EXISTING BENCH
41. REMOVE EXISTING RAMP
42. REMOVE EXISTING GROUND
43. REMOVE EXISTING UTILITY POLE. CONTRACTOR SHALL COORDINATE WITH UTILITY PROVIDER FOR REMOVAL
44. REMOVE EXISTING BACKSTOP AND FOOTING
45. REMOVE EXISTING PLANTER AREA AND ASSOCIATED WALLS
46. REMOVE EXISTING PLAY STRUCTURE AND SAFETY MAT
47. EXISTING UTILITY BOX RIM TO BE ADJUSTED TO FINISH GRADE
48. REMOVE EXISTING SHED. COORDINATE WITH DISTRICT ON RELOCATION
49. REMOVE EX. AC PAVEMENT AND BASEROCK FOR INSTALLATION OF GLASS BOX
50. REMOVE EXISTING AC PAVEMENT AND A MINIMUM OF 12-INCHES OF BASEROCK/SUBGRADE BELOW AC PAVEMENT



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FACILITY:
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1685 EISENHOWER ST., SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

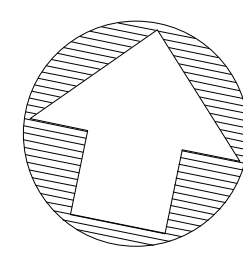
SHEET NAME:
EXISTING SITE & DEMOLITION PLAN

ADDENDUM 2

FILE NO.: 41-26 A NO.: 01-120306

DATE: 06/10/2022 CLIENT PROJ NO.: 1002.02

SHEET:



SCALE: 1"=20'
0 20 40 60



C1.1

DATE: 06/10/2022
DRAWN BY: J. L. LEE
CHECKED BY: J. L. LEE
DATE: 06/10/2022
PROJECT: PARKSIDE MONTESSORI SCHOOL
SHEET: 01-120306-000
SCALE: 1"=20'
NORTH
0 20 40 60
USA NORTH 811
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IMPROVEMENT KEY NOTES

1. MATCH AC PAVEMENT AT SAWCUT LINE
2. MATCH CONCRETE AT SAWCUT LINE
3. CONCRETE SIDEWALK, SEE LANDSCAPE PLANS FOR REQUIREMENTS
4. STANDARD AC PAVING (SEE DETAIL 1, SHEET C5.1)
5. HEAVY DUTY AC PAVING WITHIN EVA LANE LIMITS (SEE DETAIL 2, SHEET C5.1)
6. CURB OPENING AT INLET FOR OVERFLOW BYPASS, TOP OF CURB SHALL BE MINIMUM 1'-1/2" ABOVE FLOWLINE. SEE SHEET C3.1 FOR ELEVATIONS
7. CONCRETE VERTICAL CURB (SEE DETAIL 7, SHEET C5.1)
8. CONCRETE FLUSH CURB (SEE DETAIL 7, SHEET C5.1)
9. MODIFIED CONCRETE CURB & GUTTER TO SPILL INTO FILTERRA BIOSCAPE
10. CONCRETE CURB & GUTTER (SEE DETAIL 7, SHEET C5.1)
11. CONCRETE VALLEY GUTTER (SEE DETAIL 7, SHEET C5.1)
12. CONCRETE CURB RAMP
13. TRUNCATED DOMES (SEE DETAIL 5, SHEET C5.1)
14. CONCRETE WHEELS TOP, TOTAL OF 28 (SEE DETAIL 9, SHEET C5.1)
15. MODIFIED CONCRETE ROLLED CURB (SEE DETAIL 7, SHEET C5.1)
16. FILTERRA BIOSCAPE - SEE SHEET C4.1 FOR ADDITIONAL INFORMATION
17. PLAY SURFACING WITH SAFETY SURFACING (SEE LANDSCAPE PLANS)
18. TOURNESOL FLOWTHROUGH PLANTER, MODELS WFT-484842 & WFT-964842 (SEE SHEET C5.1 FOR DETAILS)
19. MARQUEE SIGN (SEE LANDSCAPE AND ELECTRICAL PLANS)
20. ACCESSIBLE DROP-OFF (40' LONG BY 5' WIDE MINIMUM)
21. ACCESSIBLE PARKING STALL
22. VAN ACCESSIBLE PARKING STALL
23. FUTURE ELECTRIC VEHICLE CHARGING STATION (EVCS). CHARGER TO BE INSTALLED AT A LATER DATE
24. FUTURE VAN ACCESSIBLE ELECTRIC VEHICLE CHARGING STATION (EVCS). CHARGER TO BE INSTALLED AT A LATER DATE
25. SYNTHETIC TURF. SEE LANDSCAPE PLANS FOR MATERIALS AND LAYOUT
26. ACCESSIBLE PARKING SIGN (SEE DETAIL 11, SHEET C5.1)
27. VAN ACCESSIBLE PARKING SIGN (SEE DETAIL 11, SHEET C5.1)
28. LEFT TURN ONLY SIGN - MUTCD R3-5 (MOUNT PER DETAIL 11, SHEET C5.1)
29. STOP SIGN - MUTCD R1-1 (MOUNT PER DETAIL 11, SHEET C5.1)
30. ENTRANCE ONLY SIGN (MOUNT PER DETAIL 11, SHEET C5.1)

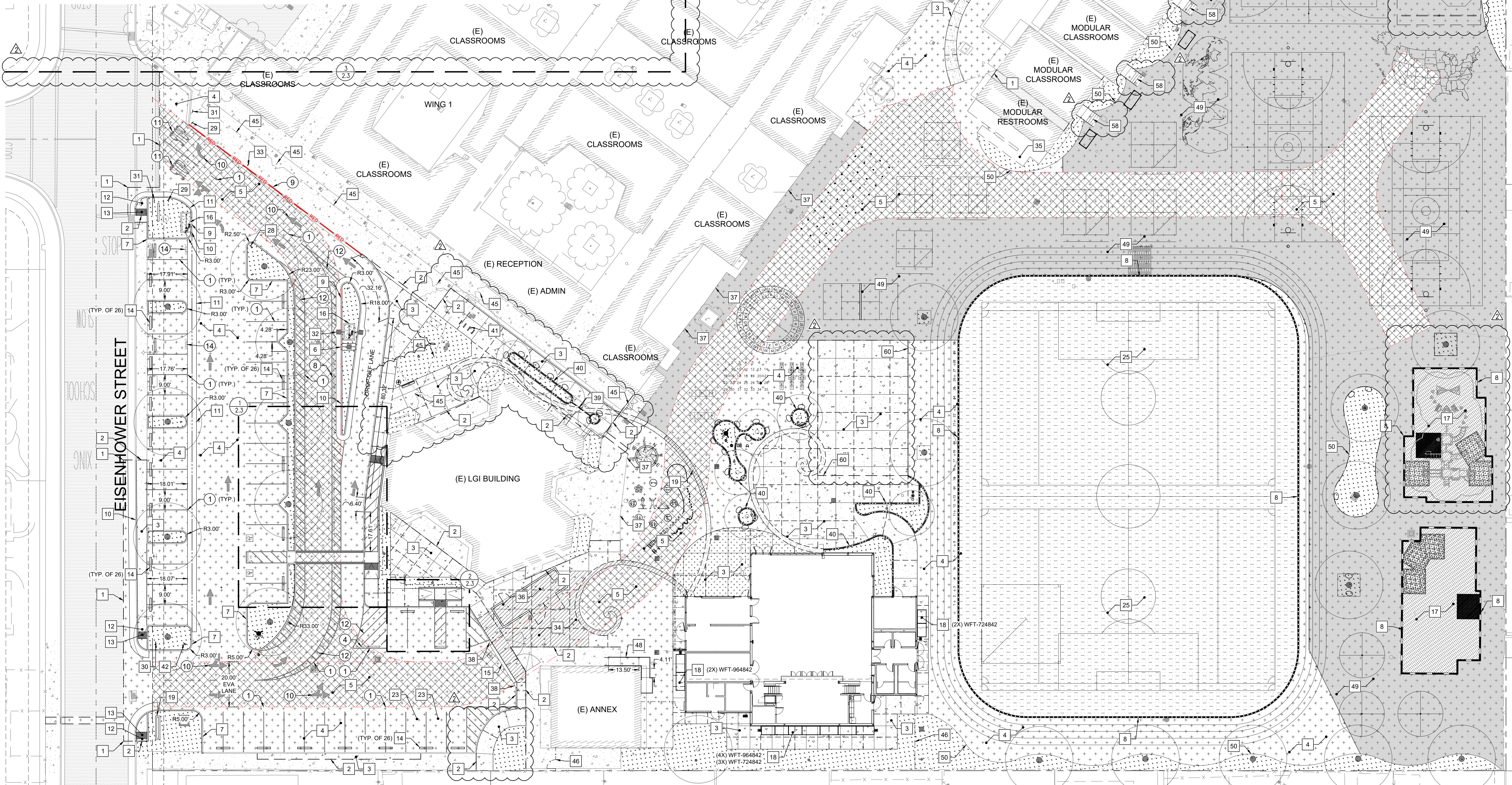
31. EXIT ONLY SIGN (MOUNT PER DETAIL 11, SHEET C5.1)
32. FLARE CURB AT INLET
33. RIGHT TURN ONLY SIGN
34. VEHICULAR CONCRETE WITHIN EVA LANE (SEE DETAIL 4, SHEET C5.1)
35. REINSTALL EXISTING RAMP
36. TRASH ENCLOSURE (SEE ARCHITECTURAL PLANS)
37. MATCH AC PAVING AT EDGE OF EXISTING CONCRETE EDGE
38. TAPER MODIFIED ROLLED CURB TO VERTICAL CURB (SEE DETAIL 6, SHEET C5.1)
39. CONCRETE THICKENED EDGE (SEE LANDSCAPE PLANS)
40. PLANTER CURB (SEE LANDSCAPE PLANS)
41. BIKE RACKS (SEE LANDSCAPE PLANS)
42. UNAUTHORIZED PARKING SIGN (SEE DETAIL 12, SHEET C5.1)
43. CLEAR FLOOR SPACE (30"x48") FOR FUTURE EV CHARGER
44. VEHICLE PULL-UP SPACE (20' LONG AND 8' WIDE MINIMUM)
45. EXISTING FENCE AND GATE
46. CHAIN LINK FENCE (SEE ARCHITECTURAL PLANS)
47. FUTURE EV CHARGER LOCATION
48. PREFAB RAMP AT 1:12 SLOPE
49. AC PAVEMENT TO MATCH EXISTING THICKNESS AND ELEVATIONS. EXISTING BASEROCK SHALL BE PROOF ROLLED TO 90% RELATIVE COMPACTION
50. HEADER BOARD AT EDGE OF AC PAVEMENT (SEE DETAIL 13, SHEET C5.1)
51. 12" SECTION OF AMENDED SOILMULCH (SEE LANDSCAPE PLANS)
52. 12" THICK CONCRETE WALL WITH GUARDRAIL (SEE LANDSCAPE PLANS)
53. CONCRETE STAIRS WITH HANDRAIL (SEE LANDSCAPE PLANS)
54. CONCRETE RAMP WITH HANDRAILS (SEE LANDSCAPE PLANS)
55. DECOMPOSED GRANITE (SEE LANDSCAPE PLANS)
56. ELEVATED SEATING (SEE LANDSCAPE PLANS)
57. CONCRETE SEATWALL (SEE LANDSCAPE PLANS)
58. PREFAB STAIRS. CONTRACTOR SHALL COORDINATE WITH DISTRICT AND EXISTING PORTABLE MANUFACTURER FOR INSTALLATION
59. PV PANEL TO BE INSTALLED BY DISTRICT. CONTRACTOR SHALL COORDINATE WITH DISTRICT FOR INSTALLATION
60. SHADE STRUCTURE. CONTRACTOR SHALL COORDINATE WITH DISTRICT ON INSTALLATION

STRIPING KEY NOTES

1. 3" WIDE WHITE STRIP
2. 3" WIDE BLUE STRIP
3. 36"x36" ISA SYMBOL (SEE DETAIL 10, SHEET C5.1)
4. PAINT THE WORDS "NO PARKING" IN WHITE. MINIMUM 12" IN HEIGHT AND 1.5" WIDE
5. 3" WIDE BLUE BORDER 3" WIDE DIAGONAL WHITE STRIPES EVERY 30" O.C. ON THE INTERIOR
6. 3" WIDE YELLOW STRIP WITH 3" WIDE DIAGONAL YELLOW STRIPES EVERY 36" O.C. ON THE INTERIOR
7. N/A
8. PAINT THE WORDS "FIRE LANE - NO PASSENGER LOADING" IN WHITE. MINIMUM 12" IN HEIGHT AND 1.5" WIDE
9. PAINT THE CURB RED
10. DIRECTIONAL ARROW
11. PAINT THE WORD "STOP" PER CALTRANS STANDARD PLAN A240
12. 3" WIDE WHITE DIAGONAL WHITE STRIPES EVERY 36" O.C.
13. 12" WIDE WHITE STRIP
14. PAINT THE WORD "COMPACT" IN WHITE. MINIMUM 12" IN HEIGHT AND 1.5" WIDE

PARKING STALL COUNT

STANDARD PARKING STALL:	42
ACCESSIBLE PARKING STALL:	1
VAN ACCESSIBLE PARKING STALL:	1
FUTURE EVCS:	3
FUTURE VAN ACCESSIBLE EVCS:	1
TOTAL:	48



AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26



SAN MATEO-FOSTER CITY
SCHOOL DISTRICT
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HMC Architects

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ISSUE

DESCRIPTION	DATE
ADDENDUM #1	08.11.2023
ADDENDUM #2	11.03.2023

KEYNOTES

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- (E) AC PAVEMENT
- (E) CONCRETE
- STANDARD AC PAVEMENT
- REPLACEMENT OF ONLY AC PAVEMENT
- HEAVY DUTY AC PAVEMENT
- SYNTHETIC TURF (SEE LANDSCAPE PLANS)
- SAFETY SURFACING (SEE LANDSCAPE PLANS)
- DECOMPOSED GRANITE (SEE LANDSCAPE PLANS)
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE (PIV)
- STORM DRAIN DROP INLET
- STORM DRAIN AREA DRAIN
- SIGN

CURBING AND MISC ITEMS

- MATCHLINE
- EVA LANE
- CONCRETE VERTICAL CURB
- CONCRETE FLUSH CURB
- CONCRETE CURB & GUTTER
- DIMENSION



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1685 EISENHOWER ST., SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

SHEET NAME:
SITE IMPROVEMENT PLAN

ADDENDUM 2

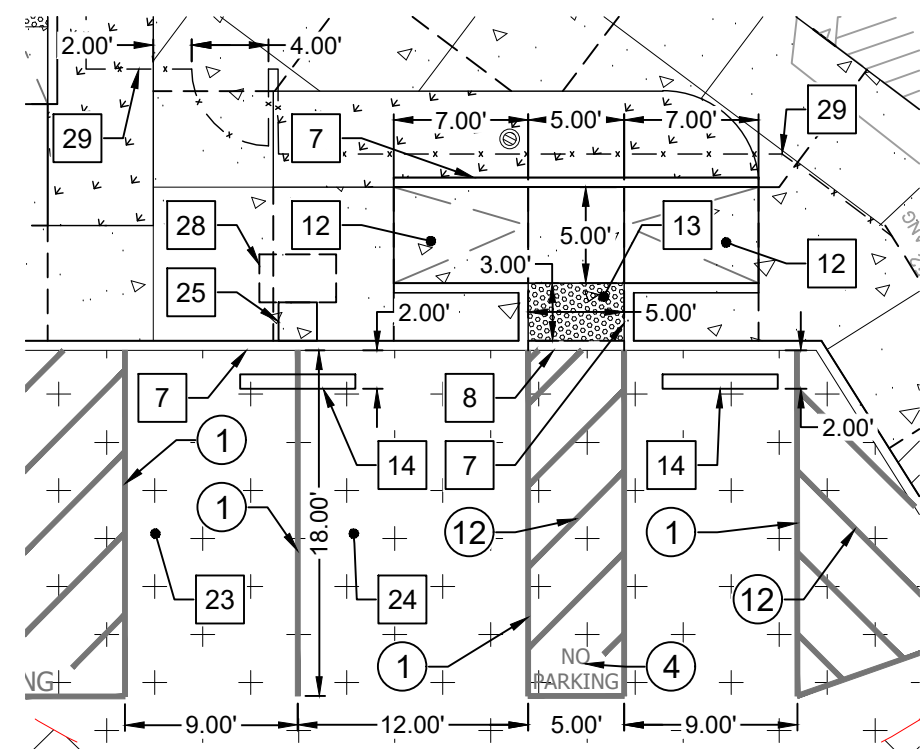
FILE NO.: 41-26	A NO.: 01-120306
DATE: 06/10/2022	CLIENT PROJ NO.: 1002.02
SHEET:	

C2.1

DATE: 06/10/2022
DRAWN BY: J. SHAW
CHECKED BY: J. SHAW
SCALE: 1" = 20'

IMPROVEMENT KEY NOTES

1. MATCH AC PAVEMENT AT SAWCUT LINE
2. MATCH CONCRETE AT SAWCUT LINE
3. CONCRETE SIDEWALK. SEE LANDSCAPE PLANS FOR REQUIREMENTS
4. STANDARD AC PAVING (SEE DETAIL 1, SHEET C5.1)
5. HEAVY DUTY AC PAVING (SEE DETAIL 2, SHEET C5.1)
6. CRACK AND SLURRY SEAL EXISTING AC PAVEMENT
7. CONCRETE VERTICAL CURB (SEE DETAIL 7, SHEET C5.1)
8. CONCRETE FLUSH CURB (SEE DETAIL 7, SHEET C5.1)
9. PV PANELS TO BE INSTALLED BY DISTRICT. CONTRACTOR SHALL COORDINATE WITH DISTRICT ON INSTALLATION
10. CONCRETE CURB & GUTTER (SEE DETAIL 7, SHEET C5.1)
11. N/A
12. CONCRETE CURB RAMP
13. TRUNCATED DOMES (SEE DETAIL 5, SHEET C5.1)
14. CONCRETE WHEELS TOP - TOTAL OF 26 (SEE DETAIL 9, SHEET C5.1)
15. N/A
16. N/A
17. N/A
18. N/A
19. N/A
20. ACCESSIBLE DROP-OFF (40' LONG BY 5' WIDE MINIMUM)
21. ACCESSIBLE PARKING STALL
22. VAN ACCESSIBLE PARKING STALL
23. FUTURE ELECTRIC VEHICLE CHARGING STATION (EVCS). CHARGER TO BE INSTALLED AT A LATER DATE
24. FUTURE VAN ACCESSIBLE ELECTRIC VEHICLE CHARGING STATION (EVCS). CHARGER TO BE INSTALLED AT A LATER DATE
25. FUTURE EV CHARGER LOCATION
26. ACCESSIBLE PARKING SIGN (SEE DETAIL 11, SHEET C5.1)
27. VAN ACCESSIBLE PARKING SIGN (SEE DETAIL 11, SHEET C5.1)
28. CLEAR FLOOR SPACE (80"x48") FOR FUTURE EV CHARGER
29. CHAIN LINK FENCE (SEE ARCHITECTURAL PLANS)
30. VEHICLE PULL-UP SPACE (20' LONG AND 8' WIDE MINIMUM)



2 ENLARGED PLAN

Scale: 1" = 10'

STRIPING KEY NOTES

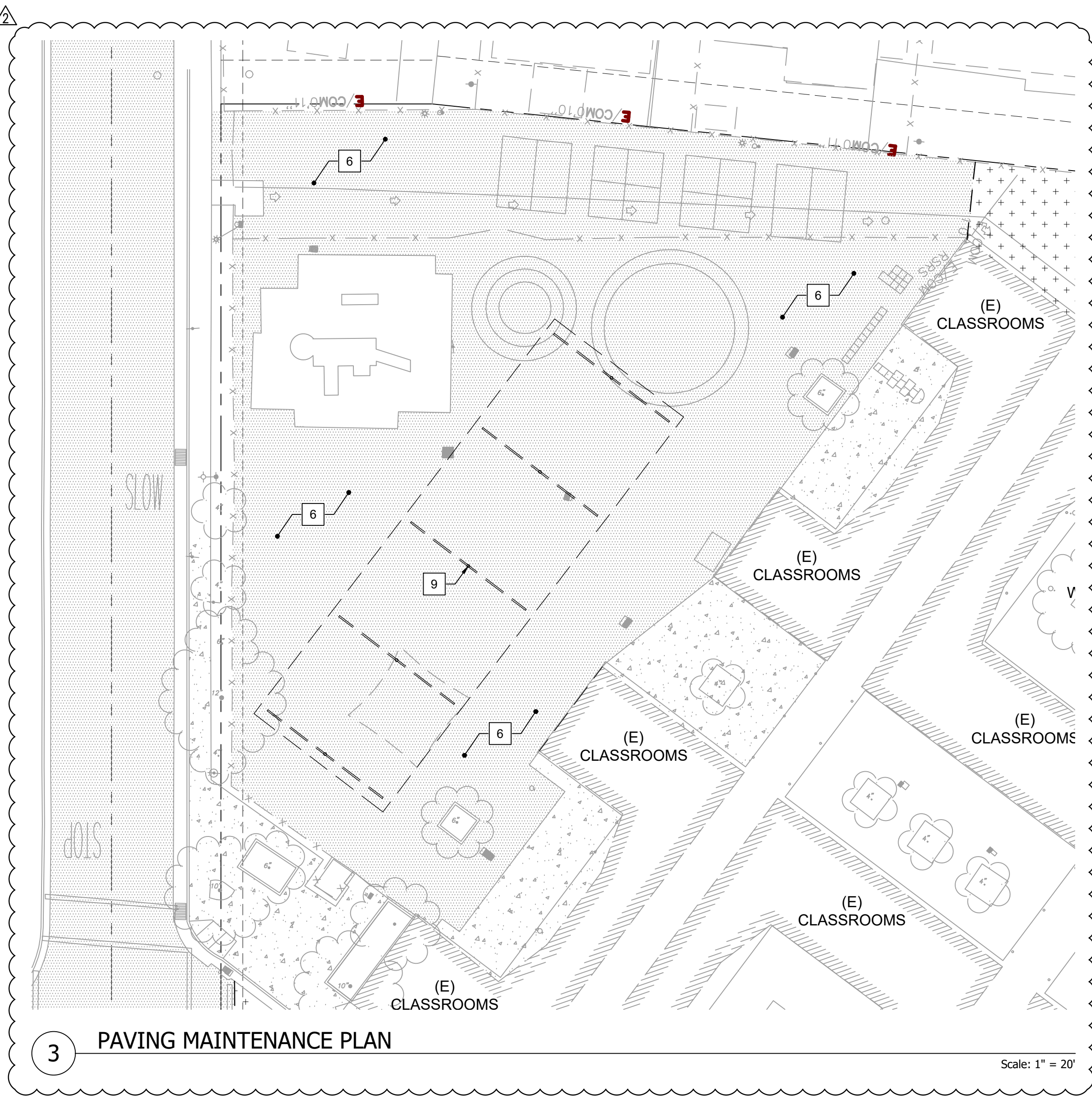
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7. N/A
8. PAINT THE WORDS "FIRE LANE - NO PASSENGER LOADING" IN WHITE. MINIMUM 12" IN HEIGHT AND 1.5" WIDE
9. PAINT THE CURB RED
10. DIRECTIONAL ARROW
11. PAINT THE WORD "STOP" PER CALTRANS STANDARD PLAN A24D
12. 3" WIDE WHITE DIAGONAL WHITE STRIPE EVERY 36" O.C.
13. 12" WIDE WHITE STRIPE
14. PAINT THE WORD "COMPACT" IN WHITE. MINIMUM 12" IN HEIGHT AND 1.5" WIDE

PARKING STALL COUNT

STANDARD PARKING STALL:	42
ACCESSIBLE PARKING STALL:	1
VAN ACCESSIBLE PARKING STALL:	3
FUTURE EVCS:	1
FUTURE VAN ACCESSIBLE EVCS:	1
TOTAL:	48

1 ENLARGED PLAN

Scale: 1" = 10'



3 PAVING MAINTENANCE PLAN

Scale: 1" = 20'

AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26



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ISSUE

DESCRIPTION	DATE
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KEYNOTES

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- SYNTHETIC TURF (SEE LANDSCAPE PLANS)
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- POST INDICATOR VALVE (PIV)
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- STORM DRAIN AREA DRAIN
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CURBING AND MISC ITEMS

- MATCHLINE
- EVA LANE
- CONCRETE VERTICAL CURB
- CONCRETE FLUSH CURB
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- DIMENSION



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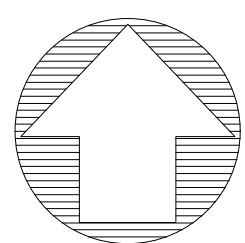
FACILITY:
PARKSIDE MONTESSORI SCHOOL
1685 EISENHOWER ST., SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

SHEET NAME:
SITE IMPROVEMENT PLAN

ADDENDUM 2

FILE NO.: 41-26	A NO.: 01-120306
DATE: 06/10/2022	CLIENT PROJ NO: 1002.02
SHEET:	



NORTH

SCALE: 1" = 20'

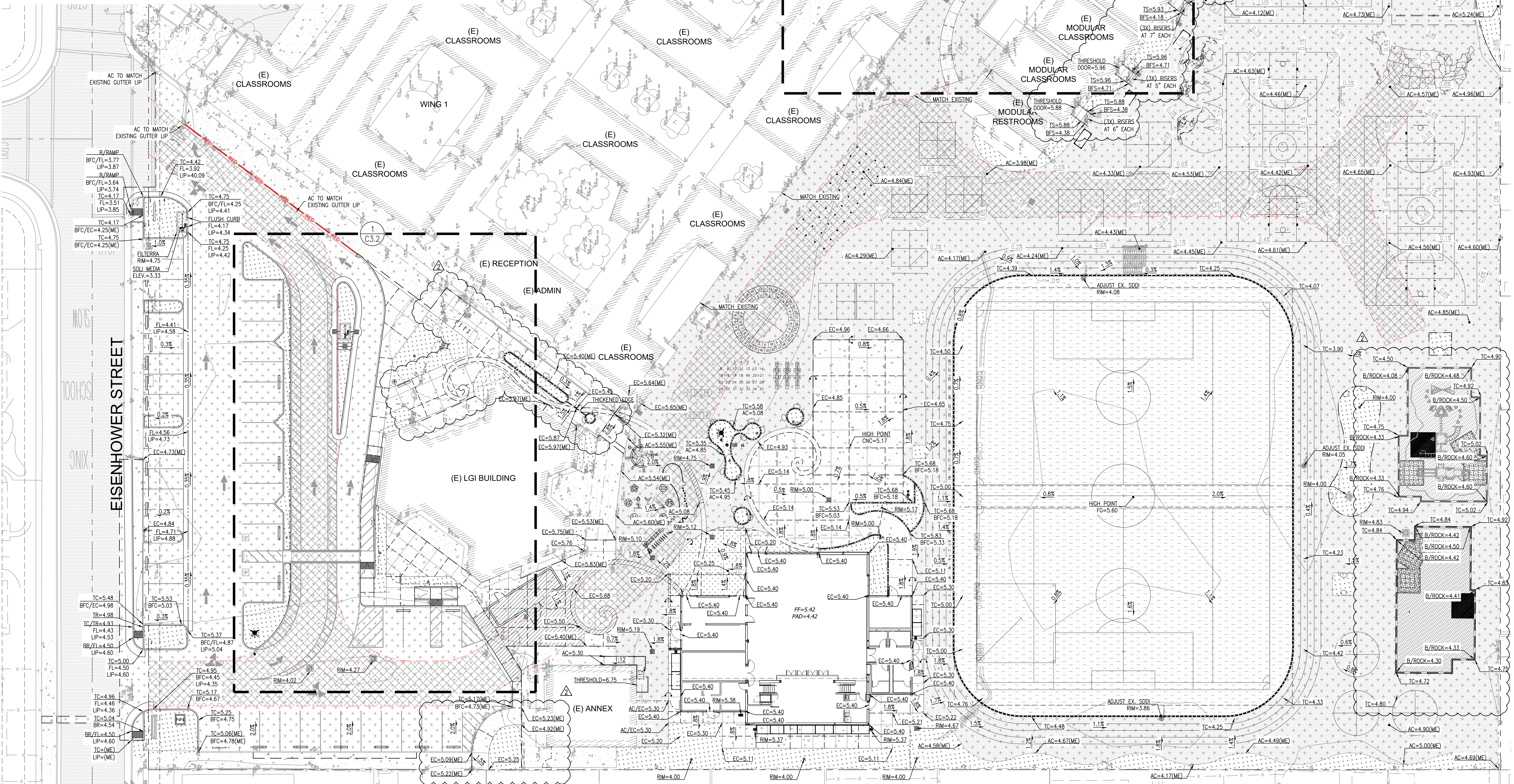


C2.3

PLEASE RECYCLE

GENERAL GRADING NOTES

1. SURFACE VEGETATION PRESENT AT THE TIME OF CONSTRUCTION SHOULD BE STRIPPED TOGETHER WITH ORGANIC LADEN TOPSOIL. THE ACTUAL DEPTH SHOULD BE DETERMINED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION. FOR PLANNING PURPOSES THE AVERAGE DEPTH MAY BE ASSUMED TO BE 3-INCHES IN VEGETATED AREAS.
2. ALL MATERIAL TO BE USED AS FILL WITHIN BUILDING PAD AREA & PARKING OR DRIVEWAY AREAS TO BE FREE OF ALL VEGETATION & FOREIGN MATTER AND SHALL BE APPROVED BY THE SOILS ENGINEER.
3. THESE SOILS WILL NEED TO BE PROCESSED; MOISTURE CONDITIONED AND RECOMPACTED AS ENGINEERED FILL. AT A MINIMUM, SUBGRADE SHOULD BE SACRIFICED TO A DEPTH OF 12-INCHES; MOISTURE CONDITIONED AND RECOMPACTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT.
4. BUILDING PAD TO BE LEVEL SIDE-TO-SIDE, FRONT-TO-REAR, UNLESS OTHERWISE SHOWN.
5. STRIPPINGS MAY BE PLACED IN PLANTING AREAS. ALL EXCESS STRIPPING SHALL BE HAULED OFF. PAVING DEBRIS SHALL BE HAULED OFF TO AN APPROVED DISPOSAL SITE.
6. ALL WORK SHOWN OR NOTED IN THESE PLANS SHALL BE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, ALL LOCAL, STATE AND FEDERAL MINIMUM STANDARDS AND THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
7. CONTRACTOR SHALL PROTECT ALL EXISTING SITE IMPROVEMENTS NOT IDENTIFIED FOR REMOVAL DURING CONSTRUCTION. THEY SHALL REPAIR ANY DAMAGE TO NEW CONSTRUCTION AT THEIR EXPENSE.
8. VERIFY ALL EXISTING SITE CONDITIONS, SITE DIMENSIONS AND GRADES PRIOR TO THE START OF CONSTRUCTION.
9. ALL GRADING AND RELATED WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THE PROJECT.
10. GRADING SLOPES FOR BOTH CUT AND FILL SHALL NOT EXCEED 2(H):1(V) UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.
11. ALL SOFTSCAPE GRADES ADJACENT TO NEW BUILDINGS SHALL BE 8" (MIN.) BELOW FINISH FLOOR.
12. CONTRACTOR SHALL GRADE TO ENSURE DRAINAGE FLOWS AWAY FROM (N) BUILDINGS.
13. AFTER THE NEW CONSTRUCTION AREAS HAVE BEEN CLEARED, STRIPPED AND EXCAVATED TO THE REQUIRED GRADE, THE EXPOSED SOIL SHALL BE MOISTURE CONDITIONED AND RECOMPACTED. THE UPPER 12-INCHES OF THE EXPOSED SUBGRADE SHOULD BE PROCESSED SUCH THAT THE MOISTURE REACHES THE APPROXIMATE LABORATORY ESTABLISHED OPTIMUM MOISTURE CONTENT, AND THEN COMPACTED TO AT LEAST 90-PERCENT RELATIVE COMPACTION AS DETERMINED BY ASTM TEST DESIGNATION D1557. THE MOISTURE CONDITIONING PROCESS SHOULD BE OBSERVED BY THE GEOTECH REPRESENTATIVE.
14. ANY LOOSE SOIL SHALL BE REMOVED AND REPLACED AS PROPERLY ENGINEERED FILL.
15. PRIOR TO SLAB-ON-GRADE FINAL PREPARATION, THE SLAB SUBGRADE SHALL BE CHECKED TO DETERMINE THAT THE UPPER 12-INCHES OF SUBGRADE SOIL IS AT OPTIMUM MOISTURE CONTENT OR ABOVE AND PROOF-ROLLED TO PROVIDE FIRM, UNIFORM SUPPORT.
16. IN ORDER TO PROVIDE SUITABLE SUPPORT FOR LIGHTLY LOADED CONVENTIONAL SPREAD FOOTING FOUNDATIONS SUPPORTING THE PLANNED SITE FURNISHINGS, THE EXISTING SOILS BENEATH THE FOOTINGS SHALL BE OVEREXCAVATED TO A DEPTH OF 18-INCHES BELOW THE BOTTOMS OF FOOTINGS AND REPLACED WITH VIRGIN (NON-RECYCLED) CLASS 2 AGGREGATE BASE/ROCK COMPACTED TO AT LEAST 90-PERCENT RELATIVE COMPACTION.
17. EXTERIOR CONCRETE FLATWORK, SIDEWALKS AND CURB AND GUTTERS SHOULD BE UNDERLAIN BY AT LEAST 12 INCHES OF CLASS 2 AGGREGATE BASE/ROCK PLACED ON THE PREPARED SUBGRADE.
18. REINFORCEMENT OF SLABS SHOULD BE PROVIDED IN ACCORDANCE WITH THEIR ANTICIPATED USE AND LOADING, BUT AS A MINIMUM, SLABS SHOULD BE REINFORCED WITH NO. 3 BARS AT 18 INCHES ON CENTER, BOTH WAYS, OR NO. 4 BARS AT 24 INCHES ON CENTER, BOTH WAYS. CONCRETE SLABS SHOULD BE ARTICULATED WITH A MAXIMUM JOINT SPACING OF TEN FEET IN BOTH DIRECTIONS.
19. PRIOR TO FINAL CONSTRUCTION OF SLABS, THE SUBGRADE SURFACE SHOULD BE PROOF ROLLED TO PROVIDE A SMOOTH, FIRM NON-YIELDING SURFACE. THE BASE/ROCK AND UPPER 12 INCHES OF UNDERLYING SUBGRADE SHOULD BE COMPACTED TO AT LEAST 90 PERCENT RELATIVE COMPACTION, OR 95 PERCENT IN AREAS OF VEHICULAR TRAFFIC.
20. THE MOISTURE CONTENT OF THE COMPACTED SUBGRADE SHOULD BE MAINTAINED AT, OR SLIGHTLY ABOVE, OPTIMUM MOISTURE PRIOR TO PLACING NON-EXPANSIVE FILL MATERIALS.
21. NEW HARDSCAPE AREAS REQUIRED FOR THE PROJECT SHOULD CONSIST OF TWO INCHES AC OVER 12 INCHES OF CLASS 2 AGGREGATE BASE/ROCK.
22. THE UPPER SIX INCHES OF NEW PAVEMENT AREA SUBGRADE SHOULD BE COMPACTED TO AT LEAST 95 PERCENT RELATIVE COMPACTION. ANY FILL REQUIRED BELOW THE UPPER SIX INCHES OF SUBGRADE SHOULD BE COMPACTED TO AT LEAST 90 PERCENT.



AGENCY
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DSA # 01-120306
FILE # 41-26



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ISSUE

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KEYNOTES

LEGEND

- (E) AC PAVEMENT
- (E) CONCRETE
- STANDARD AC PAVEMENT
- HEAVY DUTY AC PAVEMENT
- SYNTHETIC TURF (SEE LANDSCAPE PLANS)
- SAFETY SURFACING (SEE LANDSCAPE PLANS)
- FIRE HYDRANT
- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE (PIV)
- STORM DRAIN DROP INLET
- STORM DRAIN AREA DRAIN
- SIGN
- FLUSH CONDITION BETWEEN HARDSCAPE

CURBING AND MISC ITEMS

- MATCHLINE
- EVA LANE
- CONCRETE VERTICAL CURB
- CONCRETE FLUSH CURB
- CONCRETE CURB & GUTTER



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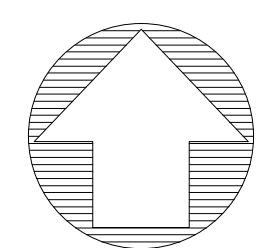
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SITE WORK

SHEET NAME:
GRADING PLAN

ADDENDUM 2

FILE NO.: 41-26	A NO.: 01-120306
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SHEET:	



NORTH

SCALE: 1"=20'

20 40 60



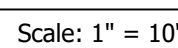
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Δ	DESCRIPTION	DATE
1	ADDENDUM #1	08.11.2023
2	ADDENDUM #2	11.03.2023

1. SURFACE VEGETATION PRESENT AT THE TIME OF CONSTRUCTION SHOULD BE STRIPPED TOGETHER WITH ORGANIC LADEN TOPSOIL. THE ACTUAL DEPTH SHOULD BE DETERMINED BY THE GEOTECHNICAL ENGINEER AT THE TIME OF CONSTRUCTION. FOR PLANTING AREAS, A MINIMUM STRIPAGE DEPTH MAY BE ASSUMED TO BE 3-INCHES IN VEGETATED AREAS.
2. ALL MATERIAL, TO BE USED AS FILL WITHIN BUILDING PAD AREA & PARKING OR DRIVEWAY AREAS TO BE FREE OF ALL VEGETATION & FOREIGN MATTER AND SHALL BE APPROVED BY THE SOILS ENGINEER.
3. THESE SOILS WILL NOT BE PROCESSED; MOISTURE CONDITIONED AND ACCEPTED FOR ENGINEERED FILL. A 14 INCH MINIMUM SURGRADE SHOULD BE SACRIFICED TO A DEPTH OF 12-INCHES; MOISTURE CONDITIONED AND RECOMPACTED AS RECOMMENDED IN THE GEOTECHNICAL REPORT.
4. BUILDING PAD TO BE LEVEL, SIDE-TO-SIDE, FRONT-TO-REAR, UNLESS OTHERWISE SHOWN.
5. STRIPPINGS MAY BE PLACED IN PLANTING AREAS; ALL EXCESS STRIPPING SHALL BE HAULED OFF. PAVING DEBRIS SHALL BE HAULED OFF TO AN APPROVED DISPOSAL SITE.
6. ANY WORK SHOWING OR NOTED IN THESE PLANS SHALL BE IN STRICT ACCORDANCE WITH THE RECOMMENDATIONS OF THE GEOTECHNICAL ENGINEER, ALL LOCAL, STATE AND FEDERAL, MINIMUM STANDARDS AND THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
7. CONTRACTOR SHALL PROTECT ALL EXISTING SITE IMPROVEMENTS NOT IDENTIFIED FOR REMOVAL, DURING CONSTRUCTION. THEY SHALL REPAIR ANY DAMAGE TO NEW CONDITION AT THEIR EXPENSE.
8. VERIFY ALL EXISTING SITE CONDITIONS, SITE DIMENSIONS AND GRADES PRIOR TO THE START OF CONSTRUCTION.
9. ALL GRADING AND REED WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT FOR THE PROJECT.
10. GRADING SLOPES FOR BOTH CUT AND FILL SHALL NOT EXCEED 3:1(H:V) UNLESS OTHERWISE DIRECTED BY THE GEOTECHNICAL ENGINEER.
11. ALL SOFTSPEAR GRASSES ADJACENT TO A MINIMUM SHALL BE 8" (MIN) BELOW FINISH GRADE.
12. CONTRACTOR SHALL GRADE TO ENSURE DRAINAGE FLOWS AWAY FROM (N) BUILDINGS.



2

Scale: 1" = 10'

Q



SHEET NAME:
ENLARGED GRADING PLAN

FILE NO.: 41-26	A NO.: 01-120306
DATE: 06/10/2022	CLIENT PROJ NO: 1002.02
SHEET:	

C3.2

(X)

- SANITARY SEWER NOTES
-

- SANITARY SEWER PIPE DATA
- 

- UTILITY NOTE*

[illegible]

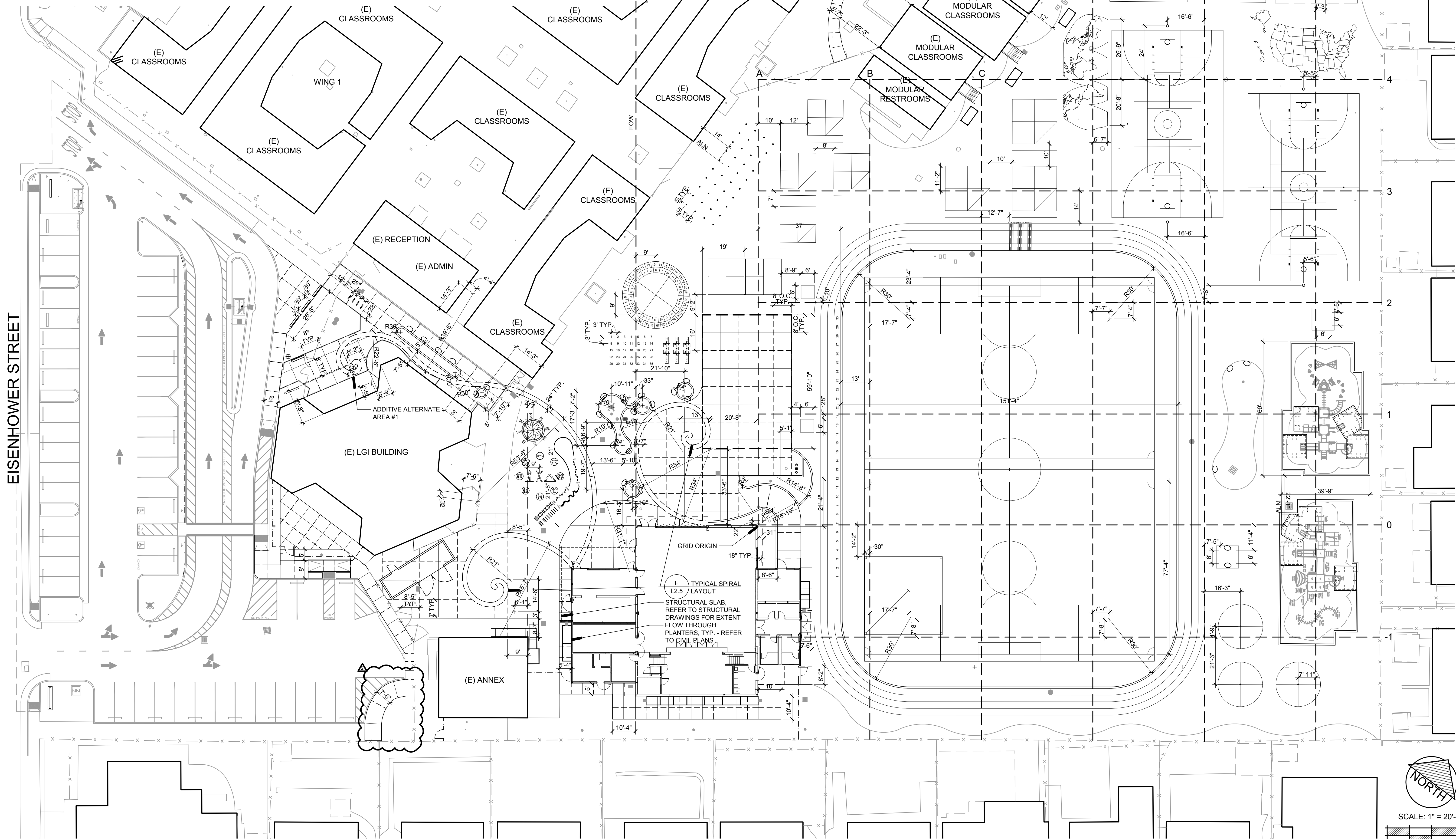
C4.1

LAYOUT LEGEND

SYMBOL	DESCRIPTION OF SYMBOL
ALN	ALIGN
BCR	BEGINNING OF CURVE RETURN
BOC	BACK OF CURB
BS	BOTTOM OF STAIRS / STEPS
BOW	BACK OF WALL
C	CENTERLINE
CLR	CLEAR
DIA	DIAMETER
ECR	END OF CURVE RETURN
R	END OF RADIUS
EJ	EXPANSION JOINT, TYPICAL
EQ	EQUAL
EW	EACH WAY
FOB	FACE OF BUILDING
FOC	FACE OF CURB
FOW	FACE OF WALL
MAX	MAXIMUM
MIN	MINIMUM
OC	ON CENTER
PA	PLANTING AREA
POB	POINT OF BEGINNING
PT	POINT OF TANGENCY
R	RADIUS
SJ	SCORE JOINT, TYPICAL
TS	TOP OF STAIRS / STEPS
TYP	TYPICAL

LAYOUT NOTES

- THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
- DRAWINGS SHALL NOT BE SCALED. WRITTEN DIMENSIONS TAKE PRECEDENCE. IF CONTRACTOR FINDS A DISCREPANCY WITH WRITTEN DIMENSIONS, NOTIFY OWNER'S REPRESENTATIVE BEFORE PROCEEDING WITH WORK.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE EXISTENCE OF AND LOCATIONS OF EXISTING AND PROPOSED UNDERGROUND SERVICES AND IMPROVEMENTS WHICH MAY CONFLICT WITH THE WORK. CONTACT THE OWNER'S REPRESENTATIVE AND UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 PRIOR TO INITIATING CONSTRUCTION FOR ASSISTANCE.
- COORDINATE CONSTRUCTION ELEMENTS PRIOR TO INSTALLATION. VERIFY WALLS, CURBS, FENCES, ETC. AND CRITICAL DIMENSIONS, REFERENCE AND COORDINATE POINT LOCATIONS, AND CONSTRUCTION CONDITIONS PRIOR TO INITIATING CONSTRUCTION. NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD DISCREPANCIES ARISE.
- CONTRACTOR SHALL LAYOUT PROJECT ELEMENTS IN FIELD AS SHOWN ON THESE PLANS AND HAVE THEM APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- MINOR ADJUSTMENTS MADE TO ACCOMMODATE EXISTING SITE CONDITIONS SHALL MAINTAIN THE OVERALL DESIGN LAYOUT. ADJUSTMENTS SHALL BE APPROVED BY THE OWNER'S REPRESENTATIVE PRIOR TO CONSTRUCTION.
- NEW PAVED SURFACES SHALL CONFORM TO EXISTING PAVED SURFACES, FLUSH AND SMOOTH. CONTRACTOR SHALL CONSTRUCT SMOOTH TRANSITIONS OF PAVING AND WALKS WHILE MAINTAINING POSITIVE DRAINAGE.
- COORDINATE SLEEVING AND UTILITY LOCATIONS AS SHOWN ON THE PLANS AND DETAILS CONTAINED WITHIN THESE CONTRACT DOCUMENTS AND THE REQUIREMENTS OF NFPA 24, SECTION 8.1, "MINIMUM DEPTH OF COVER" (36 INCHES) FOR PIPE BENEATH FIRE LANE ACCESS ROUTES.
- CONDITIONS NOT SPECIFICALLY NOTED OR DETAILED ON THESE PLANS SHALL BE CALLED TO THE ATTENTION OF THE OWNER'S REPRESENTATIVE FOR REVIEW PRIOR TO IMPLEMENTATION.
- THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT THEIR OWN EXPENSE, ANY STRUCTURES, FENCES, WALLS, PLANT MATERIAL OR TREES DAMAGED OR DESTROYED, BOTH ON THIS PROPERTY OR THOSE PROPERTIES ADJACENT TO THIS SITE. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- ANGLES FOR LAYOUT TO BE 90 DEGREES UNLESS OTHERWISE NOTED.



AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26

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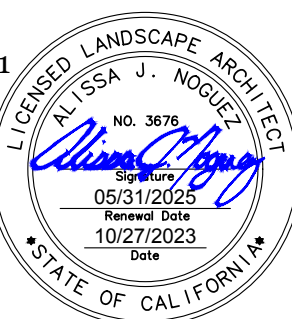
DESCRIPTION	DATE
ADDENDUM 1	8/11/2023
ADDENDUM 2	11/6/2023

KEYNOTES

NOTES

Consultant:

ANLA
1723 Hamilton Ave, Ste 101
San Jose, CA 95125
T. 408.292.2196
www.anla-associates.com



Consultant's Project No. ANLA 2145

FACILITY:
PARKSIDE MONTESSORI SCHOOL
1685 EISENHOWER ST.
SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND SITE WORK

SHEET NAME:
LAYOUT PLAN

ADDENDUM 2

FILE NO.: 41-26	A NO.: 01-120306
DATE: 06/10/2022	CLIENT PROJ NO.: ANLA 2145
SHEET:	

L1.1



SCALE: 1" = 20'-0"
0 10' 20' 40'

PLEASE RECYCLE

DATE: 06/10/2022
DRAWN BY: J. M. MONTES
CHECKED BY: J. M. MONTES
SHEET: 01-120306-000

NOTE
SEE SHEET L2.2 FOR MATERIAL AND DETAIL REFERENCE NOTES AND LEGEND

REFER TO SHEET L2.2 FOR MATERIAL AND
DETAIL REFERENCE NOTES AND LEGEND

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SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND SITE WORK

SHEET NAME:
**MATERIALS AND CONSTRUCTION
DETAIL REFERENCE PLAN**

ADDENDUM 2

FILE NO.: 41-26
DATE: 06/10/2022
SHEET:
A NO.: 01-120306
CLIENT PROJ NO.: ANLA 2145

L2.1

PLEASE RECYCLE

REFER TO SHEET L3.2 FOR IRRIGATION NOTES
AND MWEL0 CALCULATIONS

AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26

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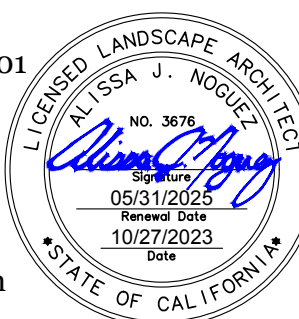
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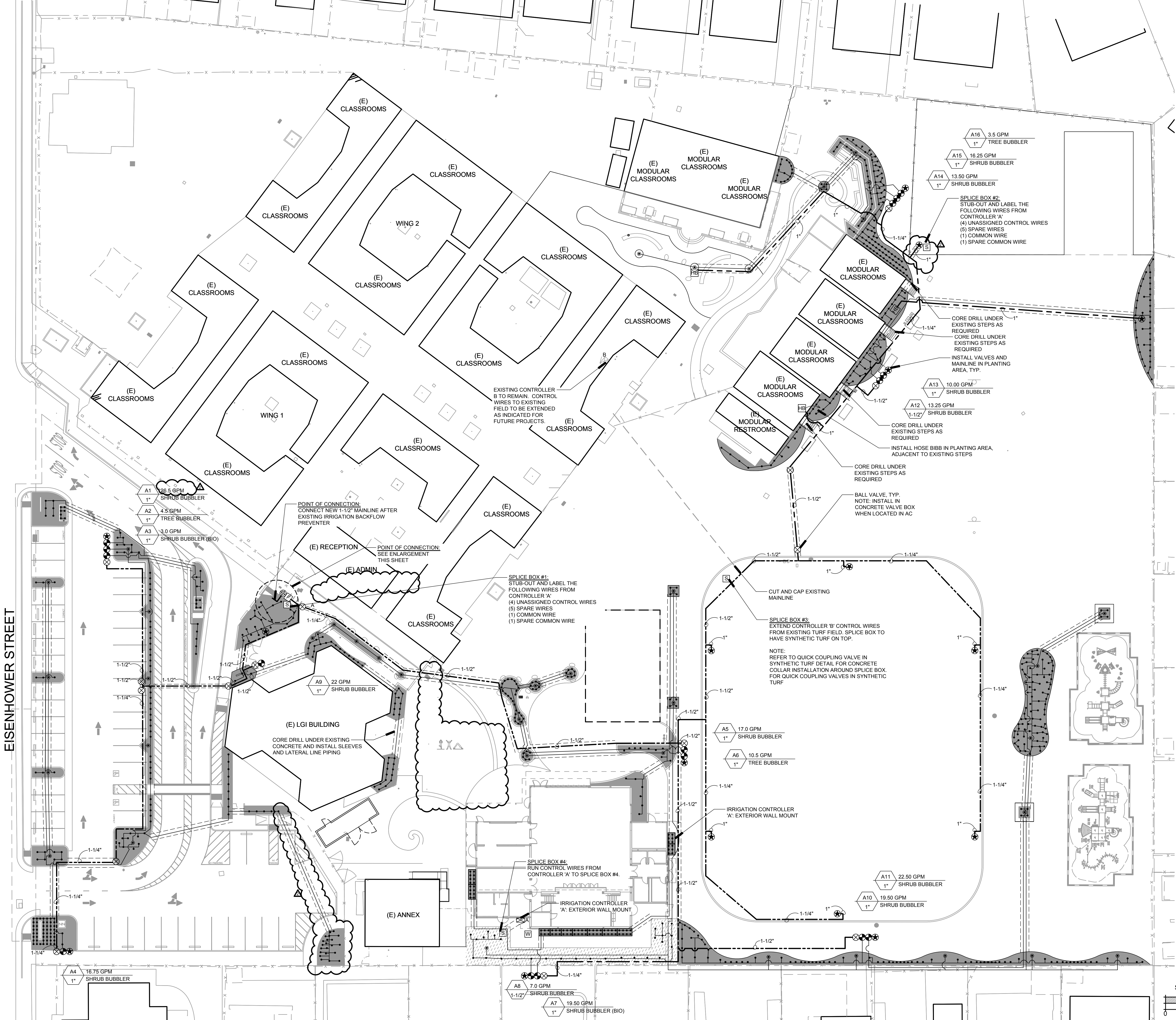
PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

SHEET NAME:
IRRIGATION PLAN

ADDENDUM 2

FILE NO.: 41-26 A NO.: 01-120306
DATE: 06/10/2022 CLIENT PROJ NO.: ANLA 2145
SHEET:

L3.1



SEE L3.1 FOR IRRIGATION NOTES
AND MWEL0 CALCULATIONS

ALL LINES SHOWN ARE IN 6" SCALE UNLESS NOTED OTHERWISE. SEE SHEET 01-120306-1 FOR SHEET ORIGINAL PAGE SIZE.

IRRIGATION LEGEND

SYM	MODEL	MANUF.	DESCRIPTION	GPM	PSI	RAD
BUBBLER						
●	RZWIS-36-25-CV	HUNTER	TREE BUBBLER, (2) PER TREE, INSTALL PER DETAIL	0.25	30	-
•	PCB-25	HUNTER	SHRUB BUBBLER, (1) PER SHRUB, INSTALL PER DETAIL	0.25	30	-
VALVES						
☒	-	-	EXISTING 4" BACKFLOW PREVENTER TO REMAIN			
☒	-	-	EXISTING 4" BACKFLOW PREVENTER TO BE REMOVED			
⊗	2030- 1-1/4"	GRISWOLD	1-1/4" NORMALLY CLOSED MASTER CONTROL VALVE, CONNECT TO CONTROLLER WITH EV-CAB-SEN CABLE IN 1" CONDUIT			
⊗	-	AQUA	IPS BRONZE BALL VALVE, LINE SIZE UP TO AND INCLUDING 2"			
⊗	PESBR-PRS-D	RAINBIRD	PLASTIC BODY, ELECTRONIC REMOTE CONTROL VALVE WITH DIAPHRAGM, SCRUBBER, AND PRESSURE REGULATING DIAL			
⊗	33-DLRC/33-DK-SH-0	RAINBIRD	1" QUICK COUPLER VALVE WITH RUBBER CAP, 1 KEY AND HOSE SWIVEL FOR EVERY 5 VALVES INSTALLED			
HB	HB-2F	CHAMPION	HOSE BIBB MOUNTED TO 4X4			
CONTROLS / SENSORS						
⊗	-	-	EXISTING CONTROLLER B TO REMAIN			
A	IC2-800-SS ICM-2200	HUNTER	CONTROLLER A (30 TOTAL STATIONS-8 BASE WITH 22 STATION EXPANSION), EXTERIOR WALL MOUNT IN SECURE LOCATION, STAINLESS STEEL, AND REMOTE CONTROL UNIT, COORDINATE 110V POWER WITH ELECTRICAL TRADE			
W	WSS-SEN	HUNTER	SOLAR SYNC WIRELESS WEATHER SENSING SYSTEM, MOUNT TO BUILDING PER MANUFACTURER'S RECOMMENDATIONS			
F	FCT-150	HUNTER	1-1/2" FLOW SENSOR			
S	-	-	SPLICE BOX, PLASTIC IN LANDSCAPE, CONCRETE IN PAVING			
PIPING						
---	---	---	EXISTING IRRIGATION MAINLINE			
---	---	---	SCH 40 PVC MAINLINE, PURPLE COLOR, NSF APPROVED, 24" DEPTH; 36" DEPTH UNDER FIRE LANE AND STANDARD PAVING, SIZE PER PLAN			
---	---	---	SCHEDULE 40 PVC LATERAL LINE, 18" DEPTH, 24" DEPTH UNDER STANDARD PAVING, 36" DEPTH UNDER FIRE LANE, NSF APPROVED, PURPLE COLOR, SIZE PER CHART			
---	---	---	SCH 40 PVC SLEEVES, 2 IN EACH LOCATION, 3" MIN. IN SIZE, 24" DEPTH, 36" DEPTH UNDER FIRE LANE			

IRRIGATION NOTES

- I HAVE COMPLIED WITH THE CRITERIA OF THE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.
Alissa J. Nogueira
ALISSA J. NOGUEIRA, CALIFORNIA LANDSCAPE ARCHITECT #3676
- THESE NOTES ARE FOR GENERAL REFERENCE IN CONJUNCTION WITH AND AS A SUPPLEMENT TO THE WRITTEN SPECIFICATIONS, DETAILS, ADDENDA AND CHANGE ORDERS ASSOCIATED WITH THE CONTRACT DOCUMENTS.
- CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF EXISTING AND PROPOSED UNDERGROUND SERVICES. CONTACT UNDERGROUND SERVICE ALERT (USA) AT (800) 642-2444 PRIOR TO BEGINNING WORK. CONTACT OWNER'S REPRESENTATIVE SHOULD ANY CONFLICTS ARISE.
- THE IRRIGATION SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH LOCAL CODES AND REGULATIONS. CONTRACTOR TO CONFORM TO THE REQUIREMENTS OF NFPA 24, SECTION 8.1, MINIMUM 'DEPTH-OF-COVER' (36 INCHES) FOR PIPE TO INCLUDE FIRE LANE ROUTES OF ACCESS.
- THIS SYSTEM IS DESIGNED TO OPERATE AT 60 PSI AND 22.50 GPM FROM THE POINT OF CONNECTION. CONTRACTOR SHALL VERIFY PRESSURE AND FLOW PRIOR TO BEGINNING OF WORK. CONTACT OWNER'S REPRESENTATIVE IMMEDIATELY SHOULD CONFLICTS ARISE.
- THE IRRIGATION SYSTEM DESIGN IS DIAGRAMMATIC. WHERE PIPING, VALVES, ETC. ARE SHOWN OUTSIDE OF PLANTING AREAS, THE INTENT IS FOR PIPING, VALVES, ETC. TO BE INSTALLED WITHIN PLANTING AREAS UNLESS OTHERWISE NOTED AND DETAILED.
- CONTRACTOR SHALL COORDINATE IRRIGATION INSTALLATION WITH OTHER TRADES. CONTRACTOR TO COORDINATE AND VERIFY ALL SLEEVING, PIPING, ELECTRICAL SUPPLY, POINT OF CONNECTION, ETC.
- CONTRACTOR IS RESPONSIBLE FOR COMPLETE AND UNIFORM COVERAGE OF PLANTING AND TURF AREAS. CONTRACTOR TO THROTTLE THE FLOW CONTROL AT EACH VALVE TO OBTAIN OPTIMUM OPERATING PRESSURE FOR EACH CIRCUIT. ADJUST SPRAY HEADS AND NOZZLES FOR OPTIMUM COVERAGE WHILE PREVENTING OVERSPRAY ONTO WALKWAYS AND STRUCTURES. ADDITIONALLY, CONTRACTOR SHALL ADJUST ALL VALVES, NOZZLES, AND HEADS FOR OPTIMUM COVERAGE, AVOIDING MISTING, OVERSPRAY, OR UNDERSPRAY.
- LATERAL LINES TO BE SIZED PER PIPE SIZING CHART.
- CONTRACTOR TO MAINTAIN AS-BUILT DRAWING SET TO BE AVAILABLE ON SITE AT ALL TIMES AND AT TIME OF SUBSTANTIAL COMPLETION REVIEW. CONTRACTOR SHALL PREPARE REDUCED, COLOR-CODED PLANS, LAMINATE, AND PLACE (1) IN CONTROLLER ENCLOSURE AND DELIVER (1) TO OWNER'S REPRESENTATIVE AFTER APPROVAL OF RECORD DRAWING SUBMITTAL AND PRIOR TO FINAL COMPLETION.
- CONTRACTOR SHALL EXERCISE EXTREME CAUTION WHEN TRENCHING AROUND EXISTING TREES AND SHRUBS. CONTRACTOR SHALL HAND TRENCH WHEN TRENCHING ACROSS ROOTS 2" AND LARGER TO PRESERVE ROOT SYSTEM. ROOTS SMALLER THAN 2" MAY BE TRIMMED. DO NOT TEAR ANY ROOTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE UNDER THIS CONTRACT FOR REPAIRING OR REPLACING, AT THEIR OWN EXPENSE, SURFACE AND SUBSURFACE SITE FEATURES TO REMAIN, INCLUDING BUT NOT LIMITED TO ANY STRUCTURES, FENCES, WALLS, PAVING SURFACES, PLANT MATERIAL AND/OR TREES DAMAGED OR DESTROYED, BOTH ON THIS PROPERTY OR THOSE PROPERTIES ADJACENT TO THIS SITE. THE DAMAGED ITEM(S) WILL BE RESTORED TO THEIR ORIGINAL CONDITION OR REPLACED TO THE SATISFACTION OF THE OWNER'S REPRESENTATIVE.
- REFER TO SPECIFICATIONS SECTION AND IRRIGATIONS DETAILS ON SHEETS L3.3.
01 56 39 TEMPORARY TREE AND PLANT PROTECTION
32 84 00 PLANTING IRRIGATION

HYDROZONES:

LOW	NOTES:
MODERATE	1. HYDROZONES BASED ON PLANT SPECIES WATER USE FOR ZONE 1 PER WUCOLS IV, 2014.
HIGH	2. HYDROZONE NUMBERS CORRESPOND TO VALVE NUMBERS.
SPECIAL LANDSCAPE ZONE	3. TREE HYDROZONE AREAS ESTIMATED FROM MATURE CANOPY SIZE BY SPECIES.
	4. ESTIMATED TOTAL WATER USE FOR THIS SITE IS APPROXIMATELY 176,897 GAL/YEAR.
	5. THE WATER SUPPLY TYPE FOR THIS SITE IS DOMESTIC.
	6. THE LOCAL WATER PURVEYOR FOR THIS SITE IS CALIFORNIA WATER SERVICE COMPANY.
	7. PROPERTY OWNER CONTACT INFORMATION: MONTESSOURI SCHOOLS, 650.312.7575.

California Water Efficient Landscape Worksheet							
Reference	Evapotranspiration (ET _a)	42.8	Project Type	School			0.65
Hydrozone # / Planting Description ^a	Plant Factor (PF)	Irrigation Method ^b	Irrigation Efficiency (IE) ^c	ETAF (PF/IE)	Landscape Area (Sq. Ft.)	ETAF x Area	Estimated Total Water Use (ETWU) ^d
Regular Landscape Areas							
A1, Shrub Bubblers	0.3	Drip	0.81	0.37	2079	770	20433
A2, Tree Bubblers	0.2	Drip	0.81	0.25	2400	1333	32481
A3, Shrub Bubblers (bio)	0.3	Drip	0.81	0.37	54	20	531
A4, Shrub Bubblers	0.3	Drip	0.81	0.37	837	310	8226
A5, Shrub Bubblers (bio)	0.3	Drip	0.81	0.37	803	297	7892
A6, Tree Bubblers	0.2	Drip	0.81	0.25	13200	3259	86488
A7, Shrub Bubblers	0.3	Drip	0.81	0.37	280	104	2752
A8, Shrub Bubblers	0.3	Drip	0.81	0.37	1546	573	15194
A9, Shrub Bubblers	0.3	Drip	0.81	0.37	1010	374	9926
A10, Shrub Bubblers	0.3	Drip	0.81	0.37	1446	536	14212
A11, Shrub Bubblers	0.3	Drip	0.81	0.37	954	353	9376
A12, Shrub Bubblers	0.3	Drip	0.81	0.37	1017	377	9995
A13, Shrub Bubblers	0.3	Drip	0.81	0.37	513	190	5042
A14, Shrub Bubblers	0.3	Drip	0.81	0.37	358	133	3518
A15, Shrub Bubblers	0.3	Drip	0.81	0.37	249	92	2447
A16, Tree Bubblers	0.3	Drip	0.81	0.37	1600	593	15725
					Totals	24199	6666
Special Landscape Areas							
					1	0	0
					0	0	0
					ETWU Total		176897
					Maximum Allowed Water Allowance (MAWA) ^e		417394

ETAF Calculations

Regular Landscape Areas	
Total ETAF x Area	6666
Total Area	24199
Average ETAF	0.28
All Landscape Areas	
Total ETAF x Area	6666
Total Area	24199
Average ETAF	0.28

IRRIGATION DEMOLITION NOTES:

- CONTRACTOR SHALL EXECUTE IRRIGATION WORK EXPEDITIOUSLY TO MAINTAIN WATER SERVICE FOR EXISTING TO REMAIN IRRIGATION SYSTEMS LOCATED OUTSIDE OF PROJECT AREA AS REQUIRED TO MAINTAIN PLANT MATERIAL IN A HEALTHY CONDITION.
- CONTRACTOR SHALL SCHEDULE OR PHASE WORK AS APPROPRIATE WITH GENERAL CONTRACTOR'S OVER-ALL PROJECT SCHEDULING.
- IRRIGATION CONTRACTOR SHALL INCLUDE IN THEIR BID TO COORDINATE WITH GENERAL CONTRACTOR PRIOR TO DEMOLITION AND GRADING AND MAKE TEMPORARY AND PERMANENT CONNECTIONS AND / OR REPAIRS AS NECESSARY TO MAINTAIN IRRIGATION WATER SERVICE TO IRRIGATION SYSTEMS LOCATED OUTSIDE OF PROJECT AREA AFFECTED BY CONSTRUCTION. CONTRACTOR TO MAINTAIN WATER SUPPLY TO PLANTS AND TURF AT ALL TIMES OR SUPPLY WATER MANUALLY TO MAINTAIN PLANTS AND TURF IN HEALTHY CONDITION THROUGHOUT CONSTRUCTION. DAMAGE TO TURF DUE TO INSUFFICIENT WATER SHALL BE REPAIRED BY INSTALLING NEW SOO.
- CONTRACTOR SHALL NOTIFY AND COORDINATE WITH CAMPUS LANDSCAPE SUPERVISOR IN ADVANCE OF PLANNED DISRUPTIONS OF IRRIGATION WATER SERVICE.
- FOR FLOWS UNDER 5 GPM INSTALL WYE STRAINER UP STREAM OF VALVE.

AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26

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Δ	DESCRIPTION	DATE
Δ	ADDENDUM 1	8/11/2023
Δ	ADDENDUM 2	11/6/2023

KEYNOTES

NOTES

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PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

SHEET NAME:
IRRIGATION NOTES

ADDENDUM 2

FILE NO.: 41-26	A NO.: 01-120306
DATE: 06/10/2022	CLIENT PROJ NO: ANLA 2145
SHEET:	

L3.2

SEE L4.1 FOR PLANTING NOTES AND LEGEND

REFER TO SHEET L4.2 FOR PLANTING NOTES AND LEGEND

AGENCY APPROVAL:
DSA # 01-120306
FILE # 41-26

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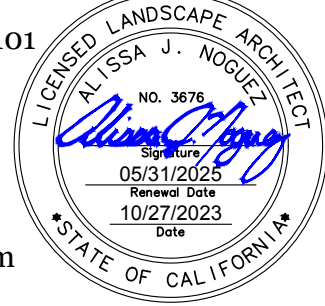
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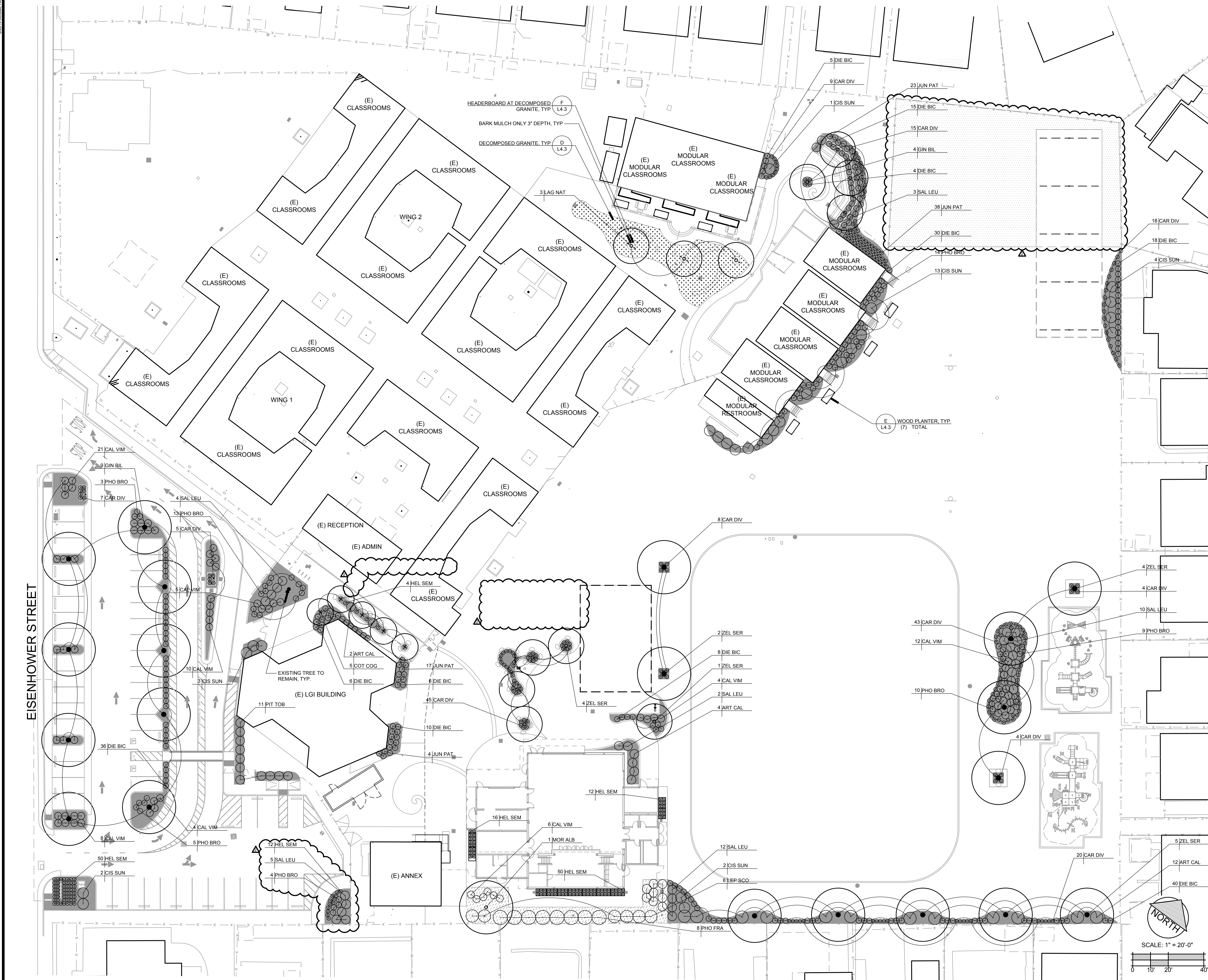
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PLANTING PLAN

ADDENDUM 2

FILE NO.: 41-26
DATE: 06/10/2022
SHEET:

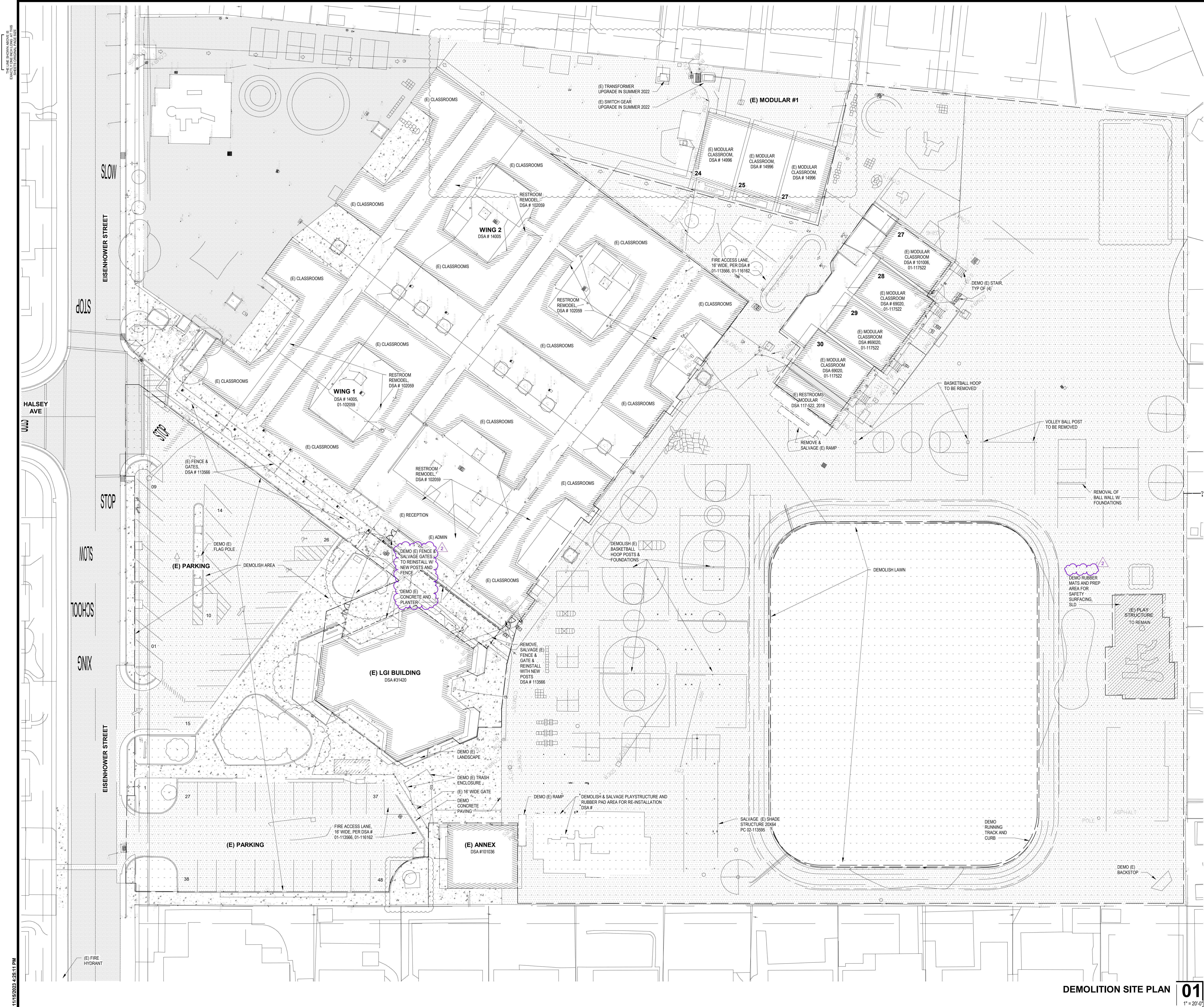
A NO.: 01-120306
CLIENT PROJ NO.: ANLA 2145

L4.1



SCALE: 1" = 20'-0"

PLEASE RECYCLE



APPROVED
BY: OF THE CITY ENGINEER
APP: 01-120306 INC:
REVIEWED FOR
SS: PLUS: ACS:
DATE: 11/22/2023

AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26

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ISSUE

Δ	DESCRIPTION	DATE
2	ADDENDUM 2	11/03/2023

SITE LEGEND

- ITEM TO BE DEMOLISHED

- OUTLINE OF AREA OF DEMOLISHING WORK

AREA OF DEMOLITION WORK
(LANDSCAPE, AC PAVING, CONC. PAVING)

GENERAL NOTES

THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN FIRE/
EMERGENCY ACCESS TO THE SITE THROUGHOUT CONSTRUCTION

FACILITY:
PARKSIDE MONTESSORI SCHOOL
1685 EISENHOWER ST., SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

SHEET NAME:
DEMOLITION SITE PLAN

ADDENDUM 2

FILE NO.: 41-26A NO.: 01-120306

DATE: 06/10/2022CLIENT PROJ NO:

SHEET:

DEMOLITION SITE PLAN

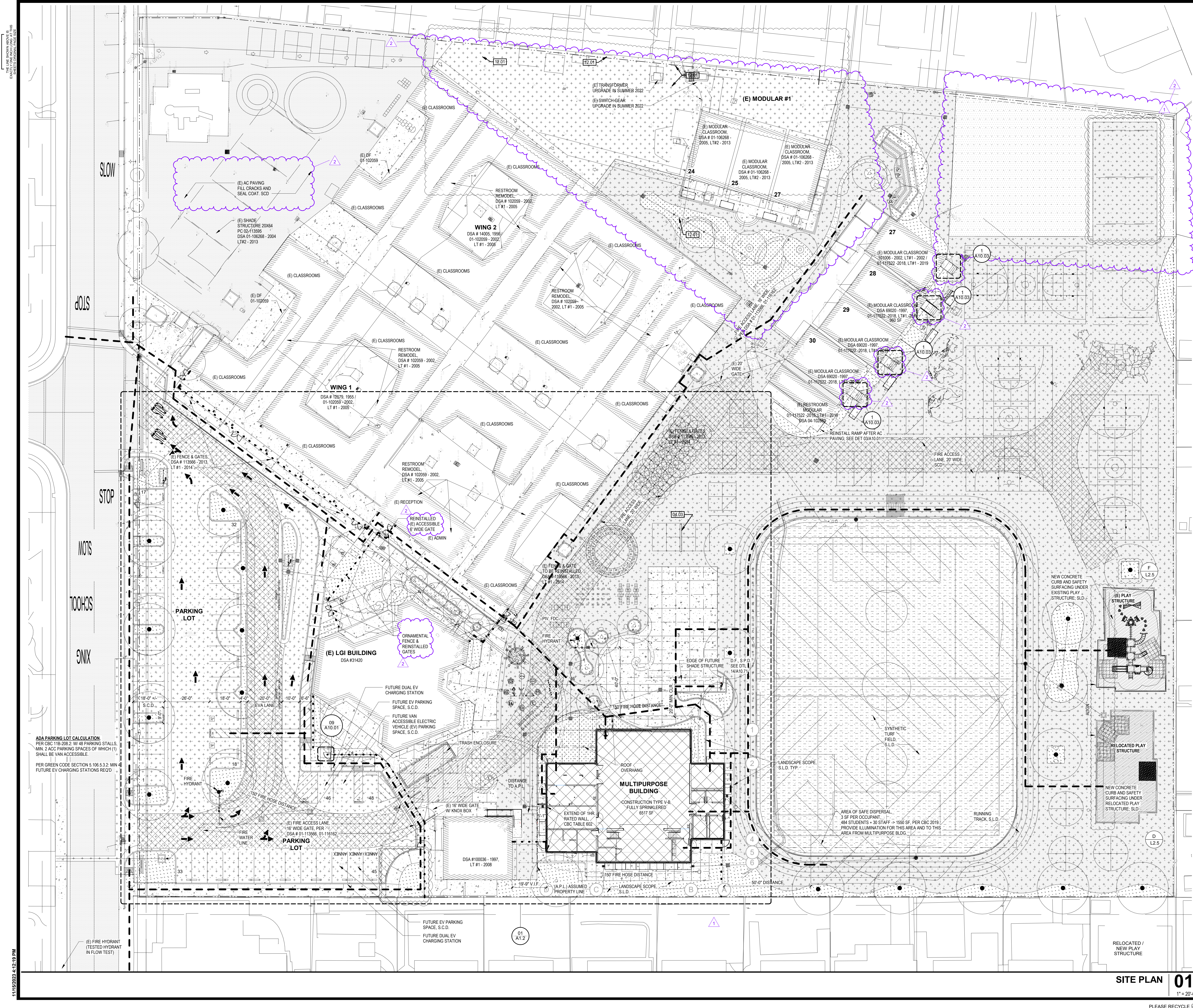
01

1" = 20'-0"

A1.0

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PLEASE RECYCLE



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BY THE CITY ENGINEER
APP: 01-120306 INC:
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PLS: [] ACS: []
DATE: 11/22/2023

AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26

REVIEWING AGENCIES
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SAN MATEO-FOSTER CITY
SCHOOL DISTRICT
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FOSTER CITY, CA 94404

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ISSUE

Δ	DESCRIPTION	DATE
1	ADDENDUM 1	06/11/2023
2	ADDENDUM 2	11/03/2023

KEYNOTES

04.03	CMU BALL WALL, S.L.D.
12.01	BASKETBALL HOOP, S.L.D.

PATH OF TRAVEL - P.O.T. (DSA PR 15-01)

THE P.O.T. IDENTIFIED IN THESE CONSTRUCTION DOCUMENTS MEETS THE REQUIREMENTS OF THE CURRENT APPLICABLE CALIFORNIA BUILDING CODE (CBC) ACCESSIBILITY PROVISIONS FOR PATH OF TRAVEL REQUIREMENTS FOR ALTERATIONS, ADDITIONS & STRUCTURAL REPAIRS, AS PART OF THE DESIGN OF THIS PROJECT, THE P.O.T. WAS EXAMINED & ANY ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WERE DETERMINED TO BE NON-COMPLIANT WITH THE CBC HAVE BEEN IDENTIFIED & THE CORRECTIVE WORK NECESSARY TO BRING THEM INTO COMPLIANCE HAS BEEN INCLUDED WITH THE SCOPE OF THIS PROJECT'S DOCUMENTS. ANY NON-COMPLIANT ELEMENTS, COMPONENTS OR PORTIONS OF THE P.O.T. THAT WILL NOT BE CORRECTED BY THIS PROJECT BASED ON VALUATION THRESHOLD LIMITATIONS OR FINDING OF UNREASONABLE HARDSHIP ARE INDICATED IN THESE CONSTRUCTION DOCUMENTS.

DURING CONSTRUCTION, IF P.O.T. ITEMS WITHIN THE SCOPE OF THE PROJECTS REPRESENTED AS CBC COMPLIANT ARE FOUND TO BE NON-COMPLYING BEYOND REASONABLE CONSTRUCTION TOLERANCES, THE ITEMS SHALL BE BROUGHT INTO COMPLIANCE WITH THE CBC AS PART OF THIS PROJECT BY MEANS OF A CONSTRUCTION CHANGE DOCUMENT.

P.O.T. - TECHNICAL REQUIREMENTS FOR ACC. ROUTE

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A BARRIER-FREE ACCESS ROUTE WITHOUT ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX. SLOPE OR VERTICAL LEVEL CHANGES NOT EXCEEDING 1/4" MAXIMUM AND AT LEAST 48" IN WIDTH. SURFACE IS STABLE, FIRM AND SLIP RESISTANT. CROSS SLOPE SHALL NOT BE STEEPER THAN 1:48 AND SLOPE IN DIRECTION OF TRAVEL SHALL NOT BE STEEPER THAN 1:20. ACCESSIBLE PATH OF TRAVEL SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM AND DREE OF OBJECTS PROTRUDING MORE THAN 4" FROM THE WALL, ABOVE 27" AND LESS THAN 80" ABOVE THE FLOOR. MAXIMUM DROP BETWEEN FINISHED GRADES AND THE TOP OF THE P.O.T. SHALL NOT EXCEED 4". ARCHITECT SHALL VERIFY THAT THERE ARE NO BARRIERS IN THE PATH OF TRAVEL.

SHEET NOTES

1. SEE OTHER DISCIPLINE DWGS FOR ADDITIONAL SCOPE.
2. SEE ENLARGED SITE PLAN FOR ADDITIONAL SCOPE INFORMATION.
3. CONTRACTOR IS RESPONSIBLE FOR REPAIR/REPLACEMENT OF ALL HARDSCAPE/PLANTINGS OUTSIDE OF LIMIT OF WORK LINE FOR CONNECTION OF UNDERGROUND UTILITIES.
4. AREAS OF PLANTING MAY REQUIRE SOIL AMMENDMENT. SEE LANDSCAPE DWGS.
5. THE CONTRACTOR IS RESPONSIBLE TO MAINTAIN FIRE/EMERGENCY ACCESS TO THE SITE THROUGHOUT CONSTRUCTION.

LEGEND

BUILDING

CONCRETE PAVING - S.L.D. FOR TYPE AND FINISH

AC PAVING

ADDED BUILDING / ADDED STRUCTURE

AREA OF SAFE DISPERSAL

FIRE TRUCK ACCESS, 20' WIDE, 33' INSIDE RADIUS, 53' OUTSIDE RADIUS

P.O.T.

--- FENCE (CHAINLINK OR ORNAMENTAL) / (E) FENCE

○ FH / (E) FH FIRE HYDRANT, SEE CIVIL DWGS. / (E) FIRE HYDRANT

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PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND SITE WORK

SHEET NAME:
CAMPUS SITE PLAN

ADDENDUM 2

FILE NO.: 41-26
DATE: 06/10/2022

A NO.: 01-120306
CLIENT PROJ NO:

SITE PLAN 01

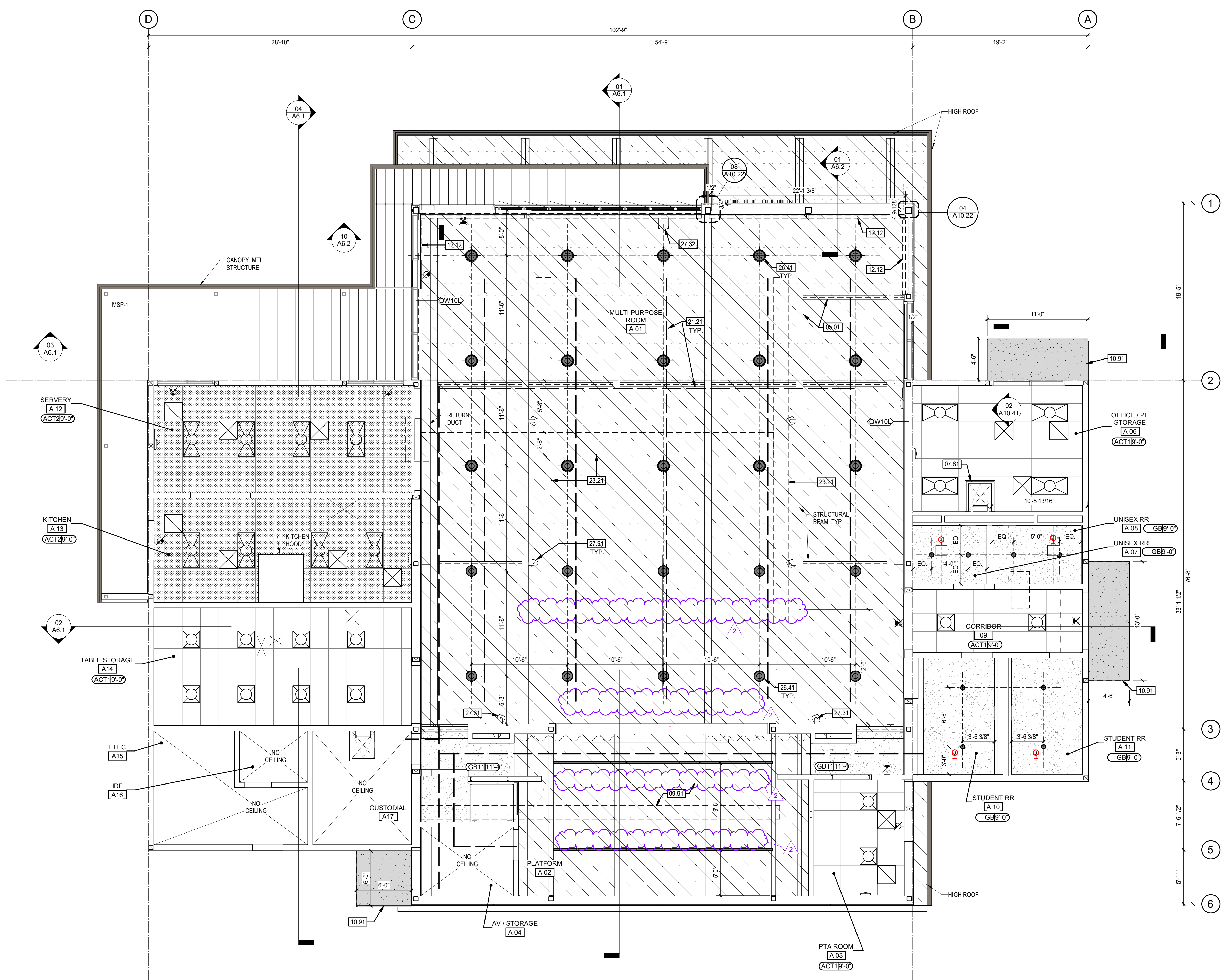
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PLEASE RECYCLE

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2

ADDENDUM 2

11/03/2023

KEYNOTES

- 05.01 STRUCTURAL BEAM, PAINTED. SEE FINISH SCHEDULE | S.S.D.
- 07.81 ROOF HATCH, 30"x36" | 24/A10.41
- 09.91 PAINT WALL & ALL EXPOSED ITEMS ABOVE 9" DARK COLOR, SEE FINISH SCHEDULE.
- 10.91 EXTERIOR METAL AWNING, S.S.D. FOR CONSTRUCTION. SEE DET.
- 12.12 ROLLER SHADES RS1, MOTORIZED ABOVE 8'-0"
- 21.21 FIRE SPRINKLER PIPING FIRE, PAINTED. | PROTECTION
- 23.21 MECHANICAL DUCTING | MECHANICAL
- 26.41 SUSPENDED LIGHT FIXTURE, ADD SEISMIC BRACING WHERE REQUIRED FOR 45° DEGREE SWING. | ELECTRICAL
- 27.31 SPEAKER. SEE TECHNOLOGY DWGS FOR ADDITIONAL INFO.
- 27.32 PROJECTOR AND WALL MOUNT. SEE DET. 02/A10.13; S.E.D; S.T.D; SEE AV DRAWINGS

CEILING PLAN LEGEND

(2) FIXED ENDS, TYP. ALL SUSPENDED CLGS. ACT 1 2'-0" X4'-0" SUSPENDED ACoust. CEILING TILE	(2) FIXED ENDS, TYP. ALL SUSPENDED CLGS. ACT 2 - WASHABLE 2'-0" X4'-0" SUSPENDED ACoust. CEILING TILE	FRAMED GYP BD. CEILING, SMOOTH FINISH, PAINTED S.S.D. FOR FRAMING INFO DETAILS 1 & 2/5802	EXPOSED ACOUSTICAL METAL DECK D1, PAINTED	NO CEILING - EXPOSED TO STRUCTURE ABOVE	METAL CEILING PANEL SYSTEM W/ CONCEALED FASTENER CLIPS, MSP-1	EXPOSED FIRE SPRINKLER LINES, PAINT TO MATCH CLG.	12"x12" OR 24"x30" CLG. ACCESS PANEL, SIZE AS NEEDED, COORDINATE LOCATION IN FIELD W/ OTHER DISCIPLINES.	ILLUMINATED EXIT SIGN, S.E.D.	LIGHT FIXTURE, S.E.D.	MECH REGISTER, S.M.D.	SUSPENDED CLG. LIGHT, SED. SEE BLDG. SECTION FOR HTS. PROVIDE SEISMIC RESTRAINT TO AVOID SWINGING INTO ADJ. OBJECTS BY SEISMIC CABLES AS NEEDED - 45 DEGREE FREE SWING.	ROLLER SHADES W/ BLACKOUT FABRIC TYP. 1% LIGHT TRANSMITTANCE SHADES AT HIGH WINDOWS IN MPR ROOM. SHADE HOUSING MOUNTED TO STOREFRONT / CURTAINWALL HEADER WITHIN VERTICAL MULLIONS. SEE SHEET A2.3 FOR FABRIC CALLOUT. (MANUAL OPERATION TYP. UNLESS INDICATED AS POWER-OPERATED)
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SHEET NOTES

- SEE SHEET A10.31 FOR TYPICAL CEILING DETAILS.
- SUSPENDED CEILING GRID SYSTEMS SHALL BE CENTERED IN SPACES U.N.O.
- LIGHT FIXTURES & MECHANICAL REGISTERS ARE SHOWN FOR LOCATION PURPOSES ONLY. REFER TO ELEC. & MECH. DWGS FOR ADDITIONAL INFO.
- LOCATE ALL FIRE ALARM DEVICES, LIGHT FIXTURES, EXIT LIGHTS, DIFFUSERS & OTHER SNI. CEILING MOUNTED DEVICES IN CENTER OF ACOUSTIC CEILING TILE, U.N.O.
- ALIGN CENTER OF CEILING MOUNTED DEVICES WITH CENTER LINE OF LIGHT FIXTURE & CENTER DEVICE BETWEEN FIXTURES, TYP.
- PROVIDE CEILING ACCESS PANELS AT HARD CEILINGS WHERE REQUIRED TO ACCESS PLUMBING, MECHANICAL, FIRE ALARM OR FIRE SPRINKLER DEVICES.
- FOR FINISHES REFER TO FINISH SCHEDULE ON SHEET A2.3.
- ALL CEILING HEIGHTS ARE ABOVE FINISHED FLOOR (A.F.F.).
- IN MULTIPURPOSE ROOM #A01 PAINT ALL EXPOSED STEEL BEAMS, MECHANICAL DUCTWORK & SUPPORTS, FIRE SPRINKLER PIPES & SUPPORTS, CLG MOUNTED LIGHTS SUPPORTS, WITH PAINT COLOR P5, SEMI GLOSS.
- IN PLATFORM (BACKSTAGE) ROOM #A02 PAINT COMPLETE CEILING SPACE INCL. ROOF DECK, BEAMS, DUCTWORK, FIRE SPRINKLER PIPING, WITH PAINT COLOR P5 - EGG SHELL.
- PAINT ALL EXPOSED EXTERIOR BEAMS W/ PAINT COLOR P5 OR EP5 - SEMI GLOSS

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SHEET NAME:
REFLECTED CEILING PLAN

ADDENDUM 2

FILE NO.: 41-26	A NO.: 01-120306
DATE: 06/10/2022	CLIENT PROJ NO:

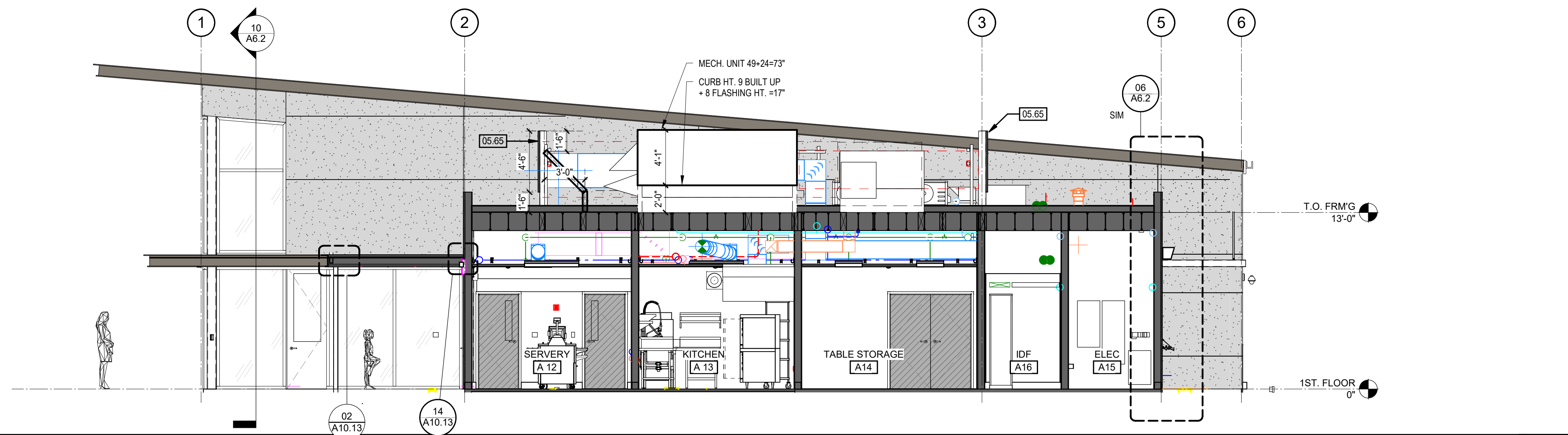
SHEET:

1ST FLOOR - RCP **01**
3/16" = 1'-0"

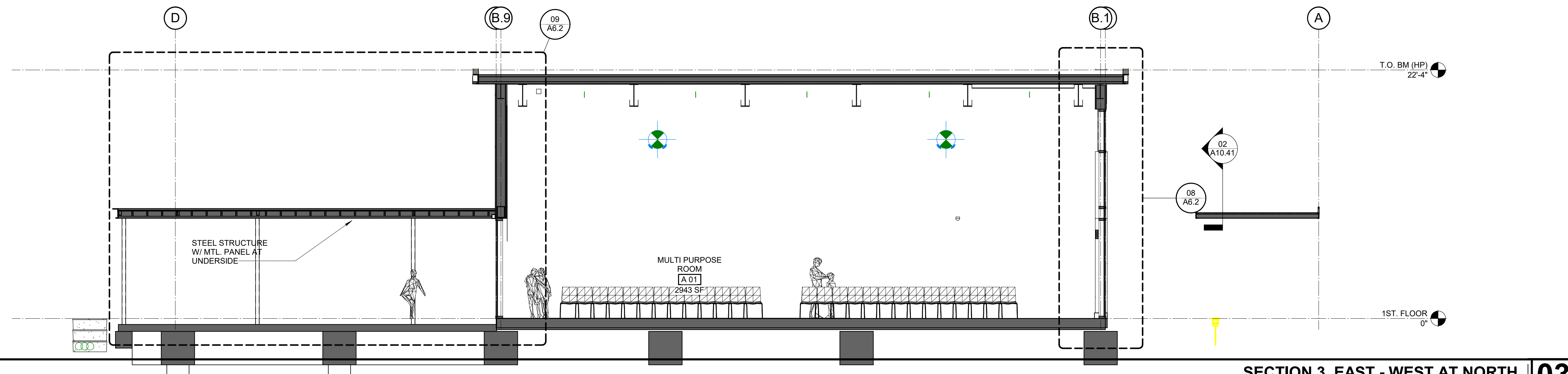
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A3.1

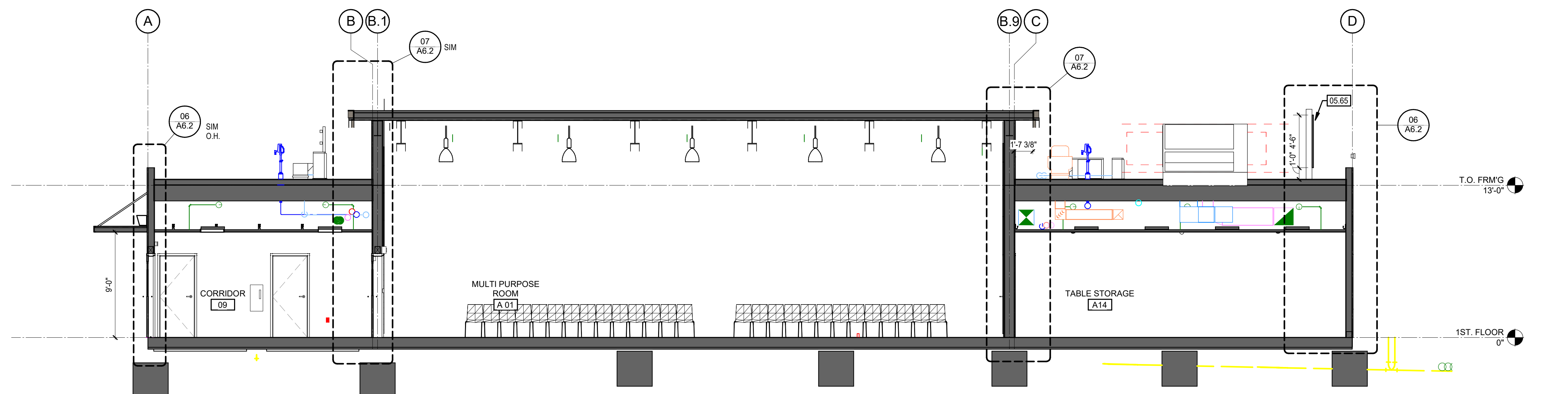
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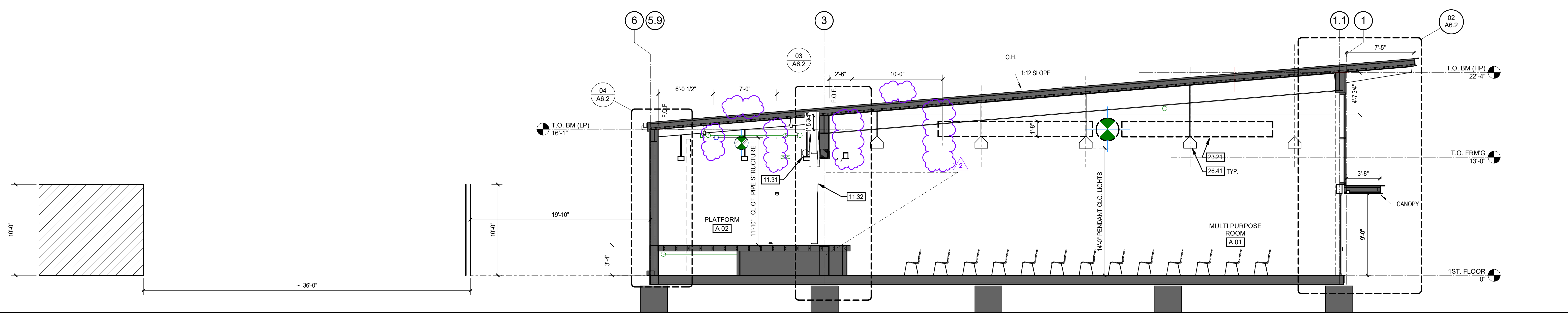
SECTION 4, NORTH-SOUTH (WEST WING) 04
3/16" = 1'-0"



SECTION 3, EAST - WEST AT NORTH 03
3/16" = 1'-0"

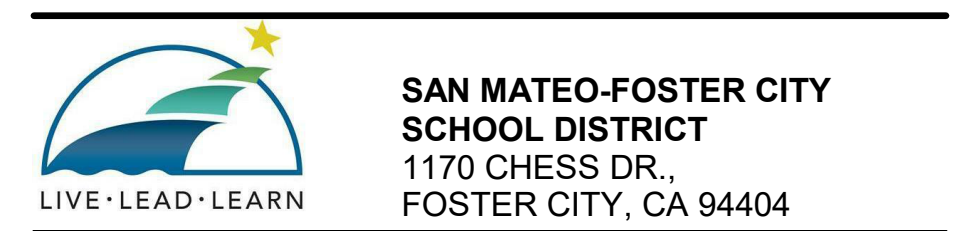


SECTION 2, EAST - WEST 02
3/16" = 1'-0"



SECTION 1, NORTH - SOUTH 01
3/16" = 1'-0"

AGENCY
APPROVAL:
DSA # 01-120306
FILE # 41-26



ISSUE	DESCRIPTION	DATE
2	ADDENDUM 2	11/03/2023

KEYNOTES
05.65 ROOF SCREEN, PERFORATED PANEL 16/A10.41
11.31 MOTORIZED PROJECTION SCREEN, 20' WIDE.
11.32 STAGE CURTAIN, MANUAL OPERATION 03/A10.32
23.21 MECHANICAL DUCTING MECHANICAL
26.41 SUSPENDED LIGHT FIXTURE, ADD SEISMIC BRACING WHERE REQUIRED FOR 45° DEGREE SWING. ELECTRICAL

NOTES
1. SEE FINISH PLANS FOR FINISH MATERIALS NOT SHOWN
2. REFER TO ENGINEERING PLANS FOR FURTHER DETAIL AND INFORMATION
3. SEE PLANS FOR WALL TYPES
4. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON STRUCTURAL MEMBER SIZES AND CONNECTIONS

FACILITY:
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PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

SHEET NAME:
BUILDING SECTIONS

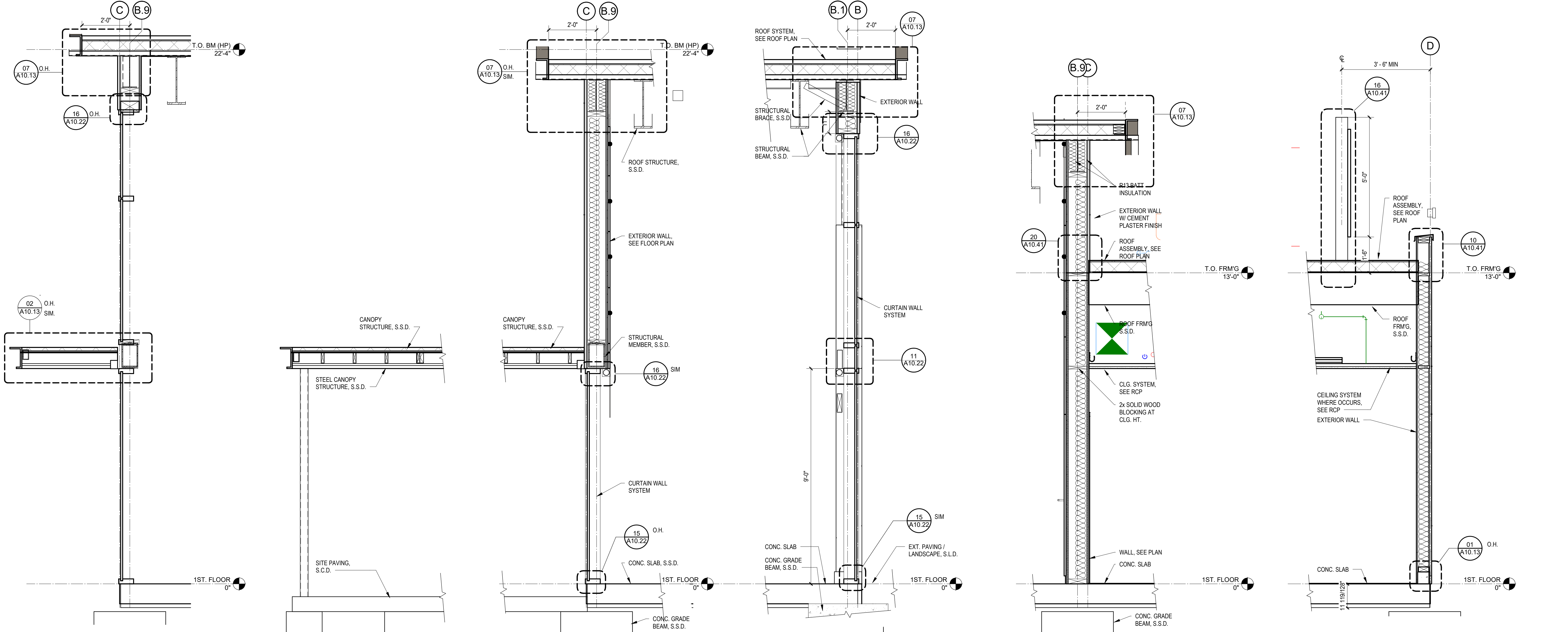
ADDENDUM 2

FILE NO.: 41-26 A NO.: 01-120306
DATE: 06/10/2022 CLIENT PROJ NO:

SHEET:

A6.1

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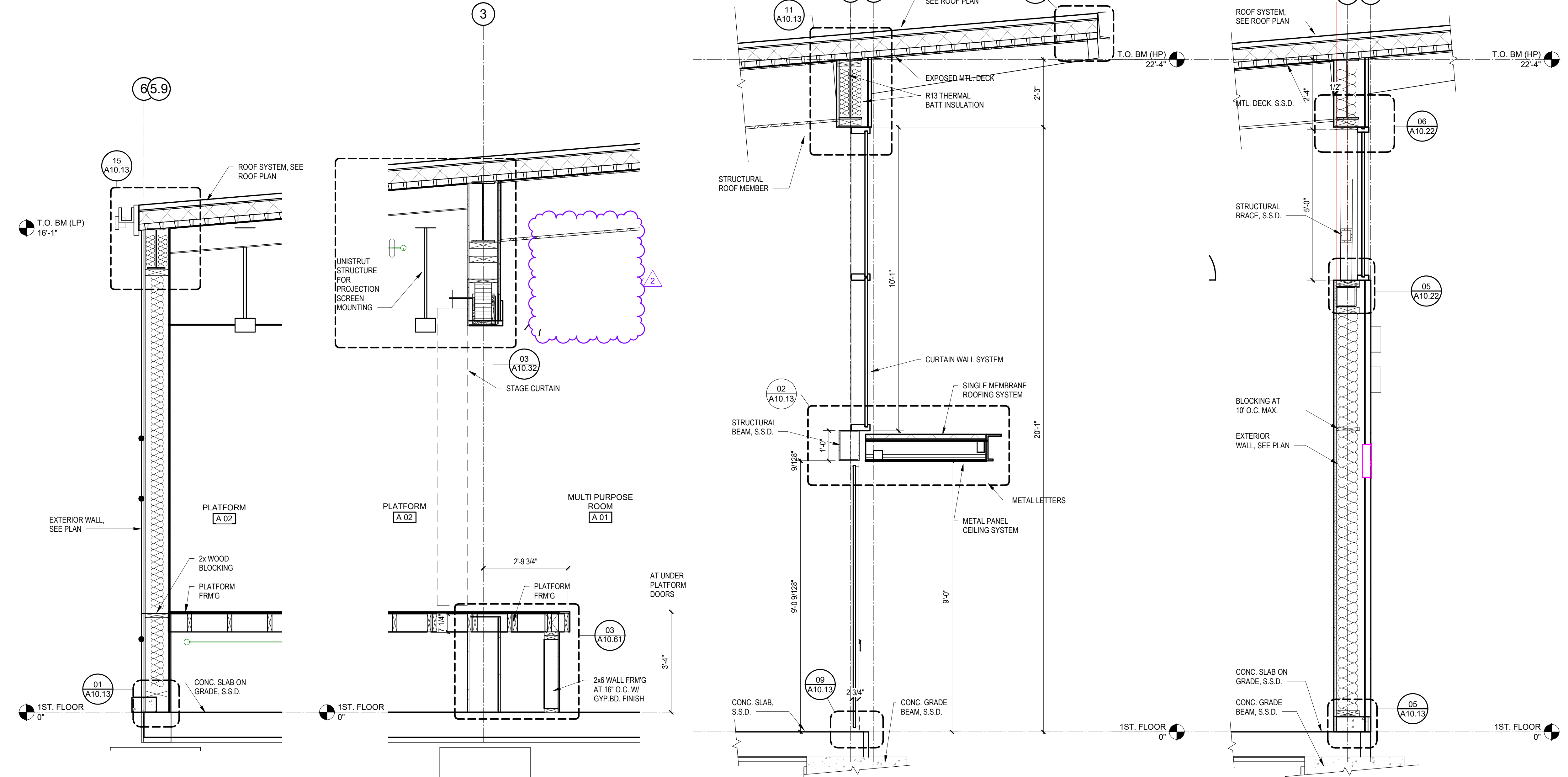
MPR ROOM - SECTION WEST 10 1/2" = 1'-0"

ENTRY CANOPY AT WEST WING 09 1/2" = 1'-0"

MPR ROOM - SECTION EAST 08 1/2" = 1'-0"

MP ROOM WEST WALL - SECTION 07 1/2" = 1'-0"

WEST WING EXTERIOR WALL SECTION 06 1/2" = 1'-0"



PLATFORM EXT. WALL SECTION 04 1/2" = 1'-0"

PROSCENIUM WALL SECTION 03 1/2" = 1'-0"

MP ROOM NORTH SECTION 02 1/2" = 1'-0"

MP ROOM - NORTH SECTION 01 1/2" = 1'-0"

AGENCY
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DSA # 01-120306
FILE # 41-26

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BY: OF THE CITY ARCHITECT
APP: 01-120306 INC.
REVIEWED FOR
PLS: JAC
DATE: 11/22/2023

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DESCRIPTION	DATE
2 ADDENDUM 2	11/03/2023

1. SEE FINISH PLANS FOR FINISH MATERIALS NOT SHOWN
2. REFER TO ENGINEERING PLANS FOR FURTHER DETAIL AND INFORMATION
3. SEE PLANS FOR WALL TYPES
4. SEE STRUCTURAL DRAWINGS FOR ADDITIONAL INFORMATION ON STRUCTURAL MEMBER SIZES AND CONNECTIONS

FACILITY:
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PROJECT:
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SHEET NAME:
WALL SECTIONS

ADDENDUM 2

FILE NO.: 41-26 A NO.: 01-120306
DATE: 06/10/2022 CLIENT PROJ NO:

A6.2

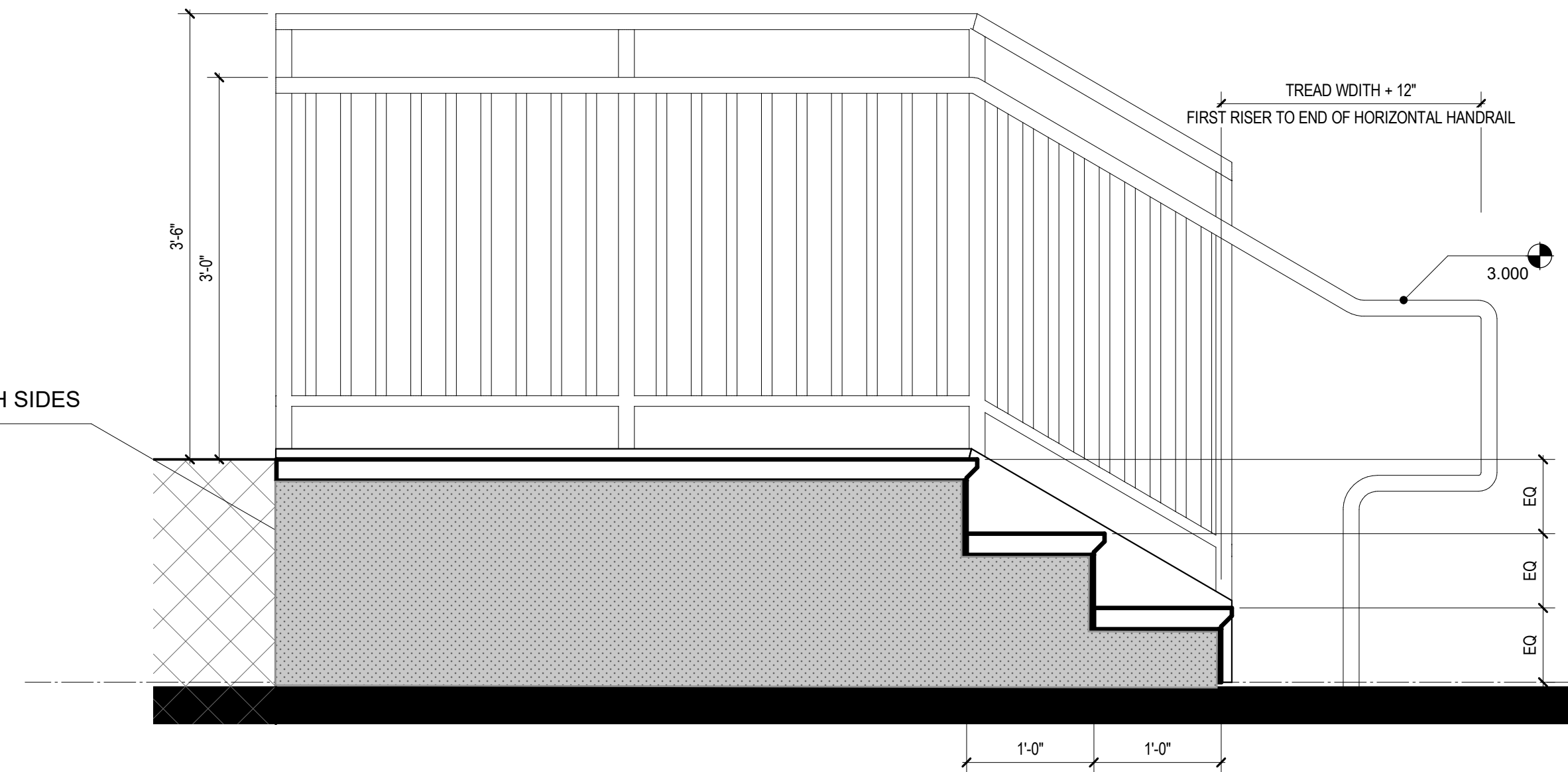
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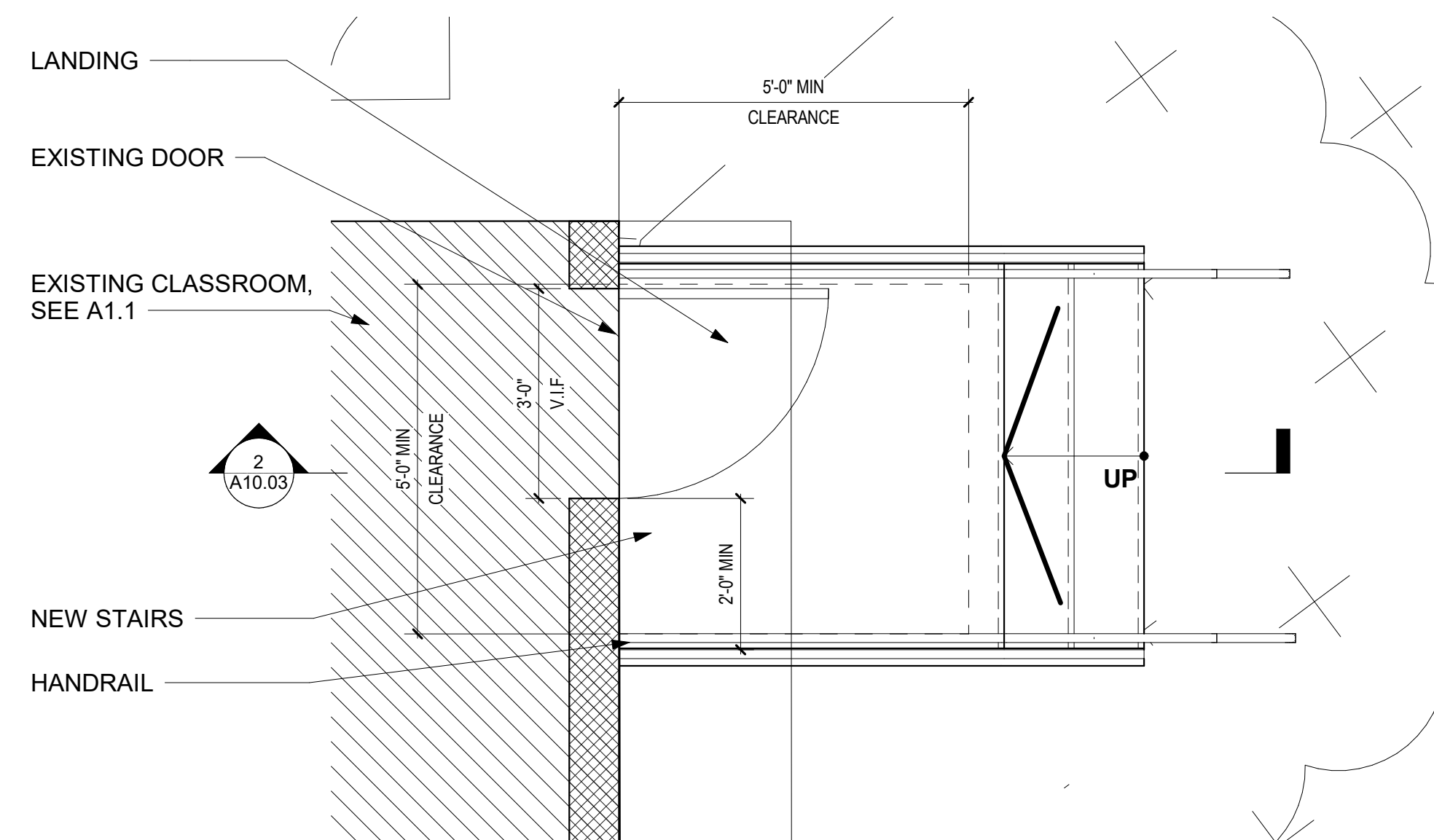
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2

SKIRT BEYOND
TO CLOSE BOTH SIDES
SEE A10.01/01



DETAIL - SECTION - PREFAB EXTERIOR
STAIRS - TYP. 2
1" = 1'-0"



DETAIL - PLAN - PREFAB EXTERIOR STAIRS 1
1/2" = 1'-0"

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DSA # 01-120306
FILE # 41-26

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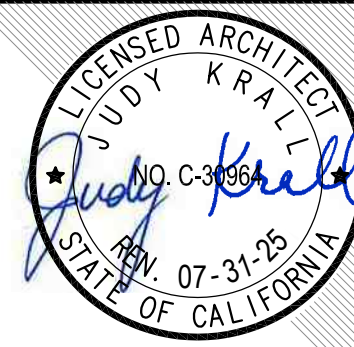


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SHEET NAME:
EXTERIOR STAIRS DETAILS

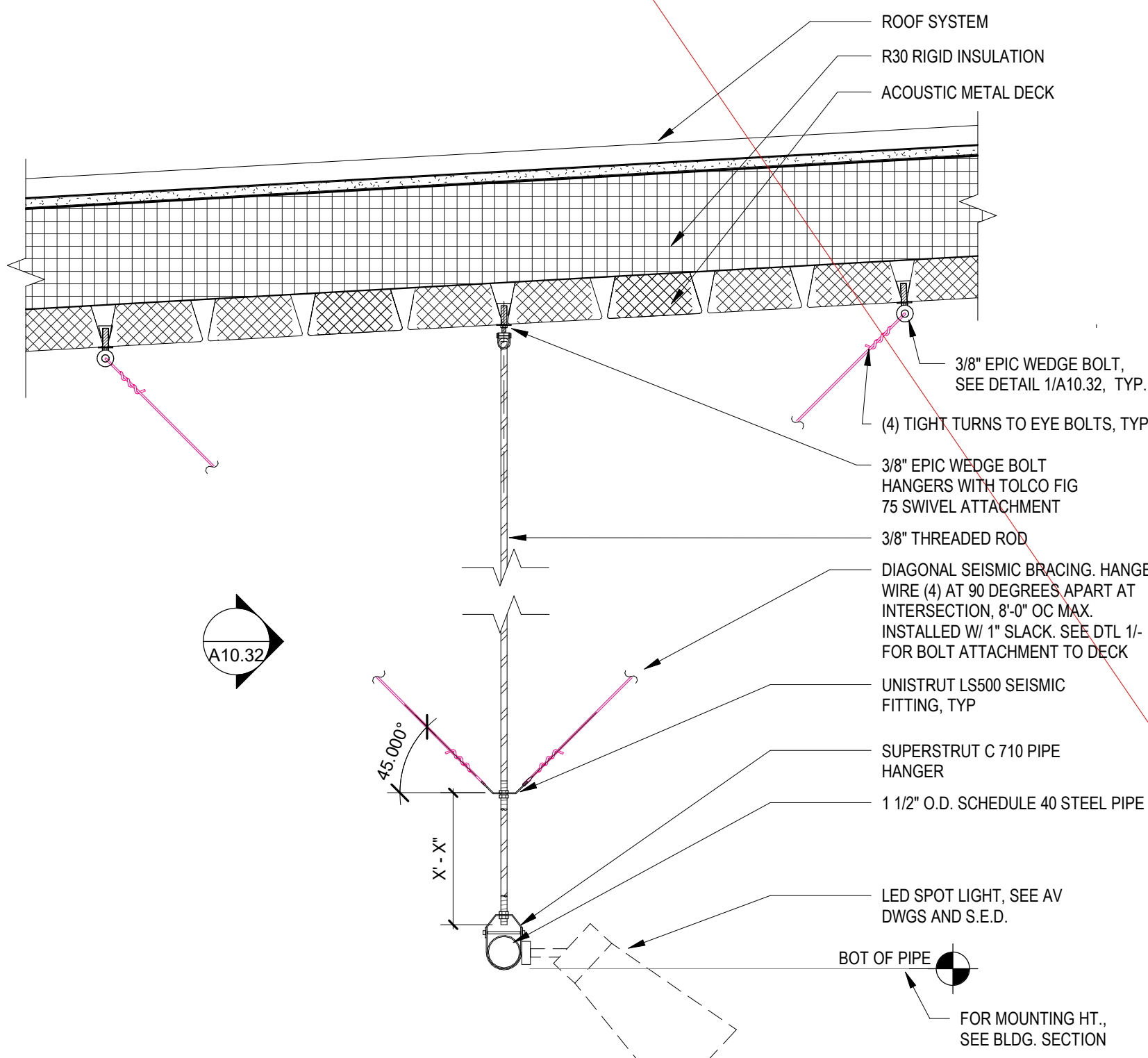
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FILE NO.: 41-26 A NO.: 01-120306
DATE: 11/06/23 CLIENT PROJ NO:
SHEET:

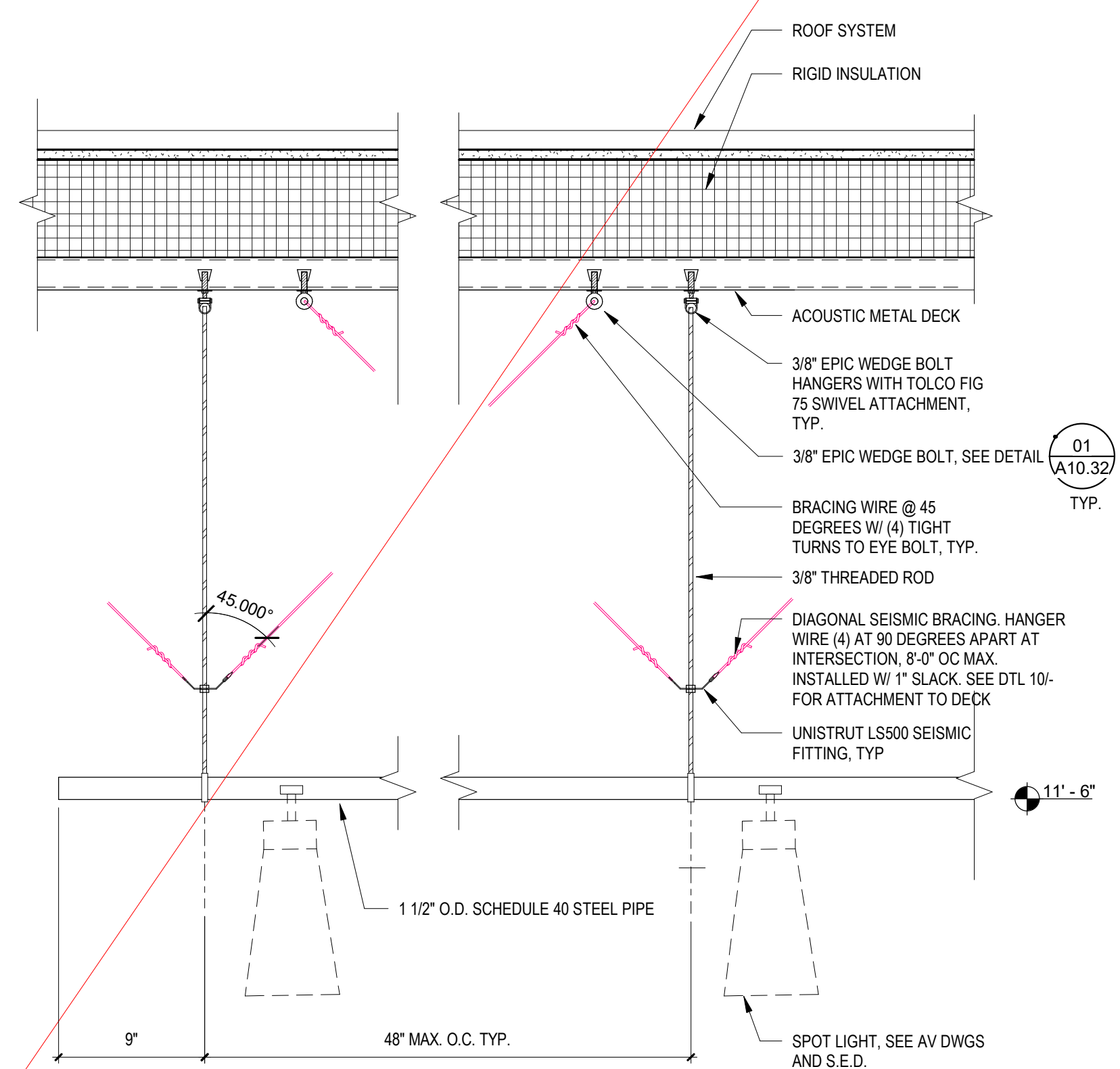
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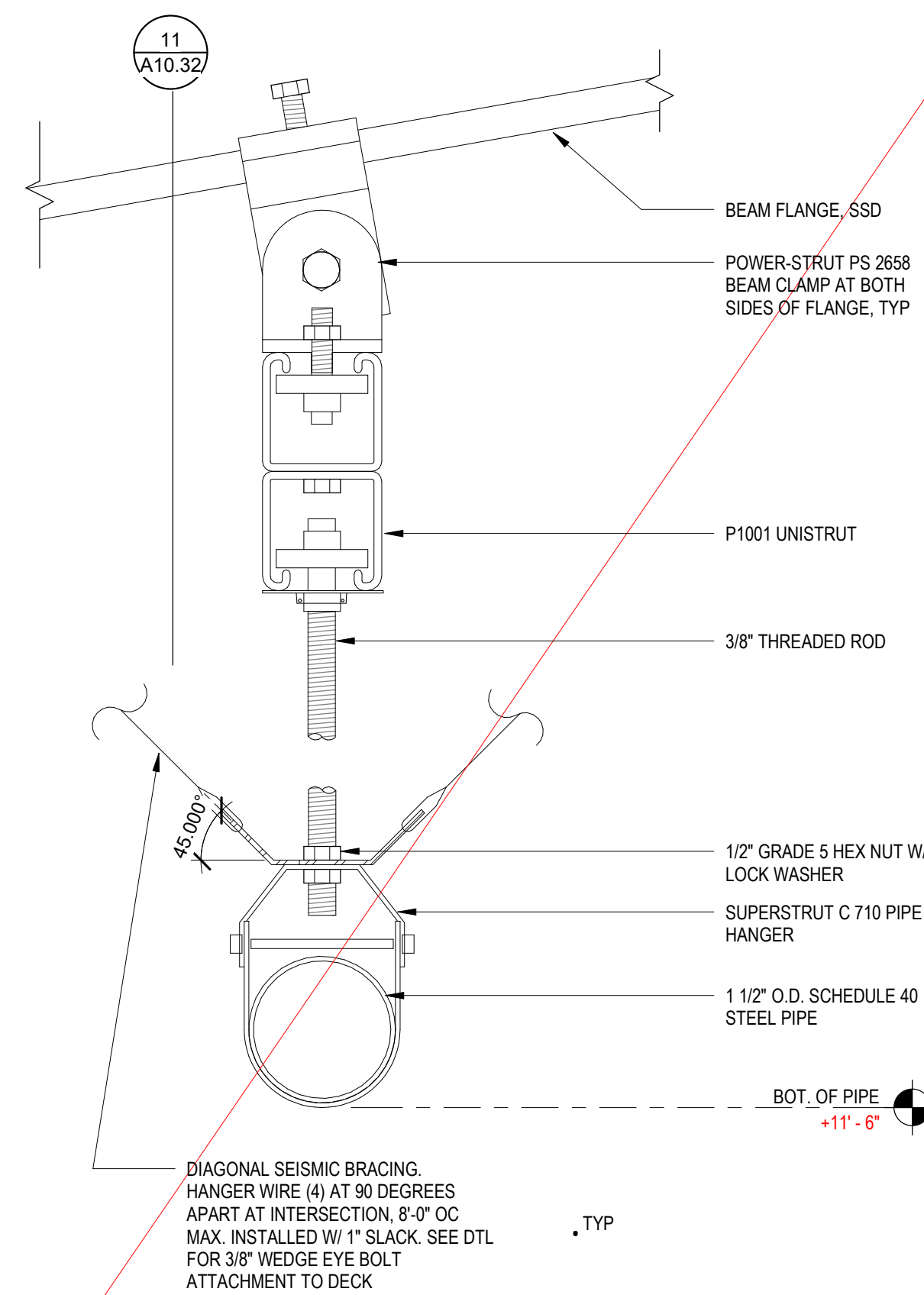
THE LINE SHOWN ABOVE IS THE EXACT LOCATION OF THE CENTERLINE OF THE PIPE



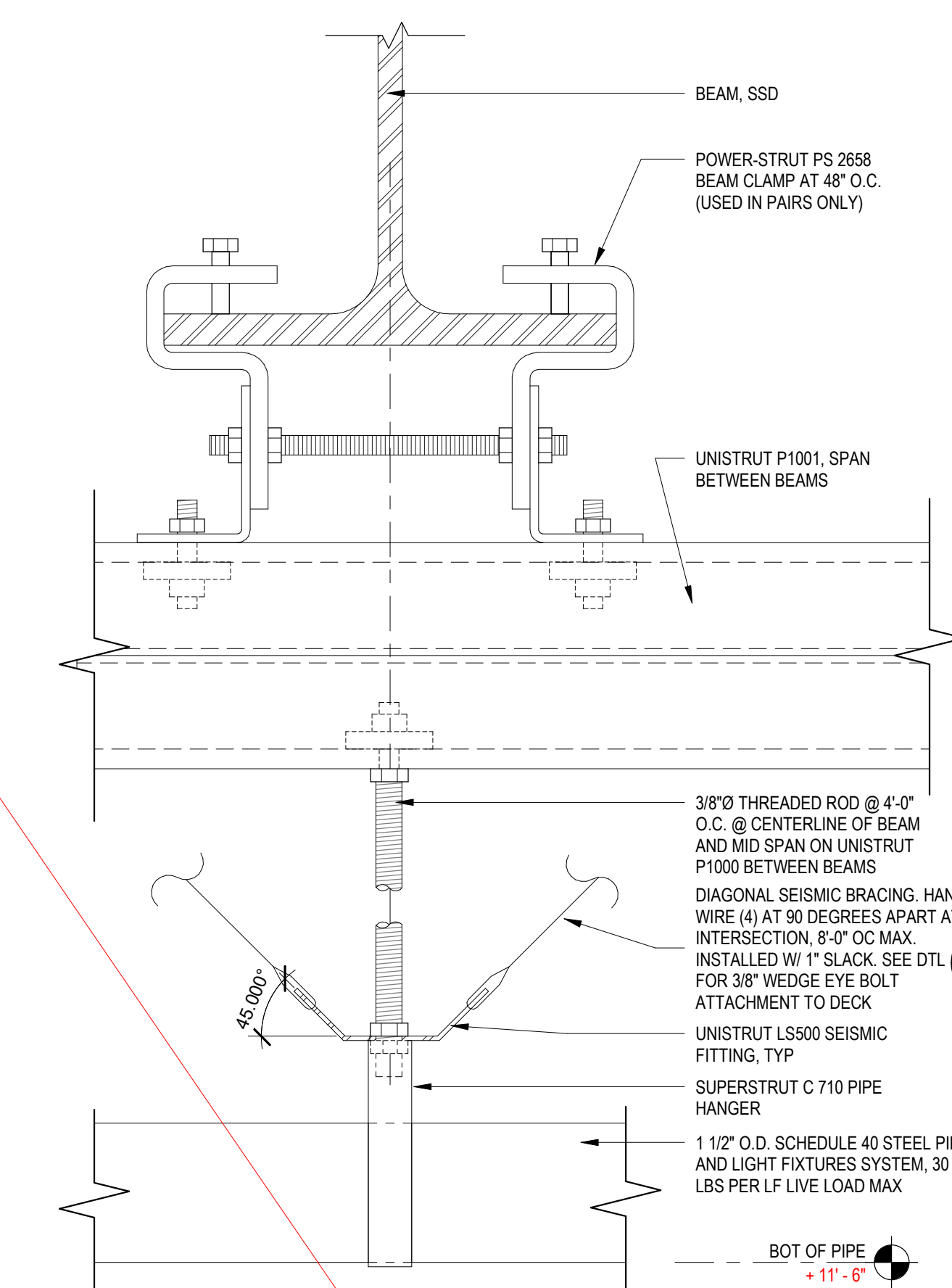
OPTION 1 - SPOTLIGHT SUPPORT - SECTION 23
1 1/2" = 1'-0"



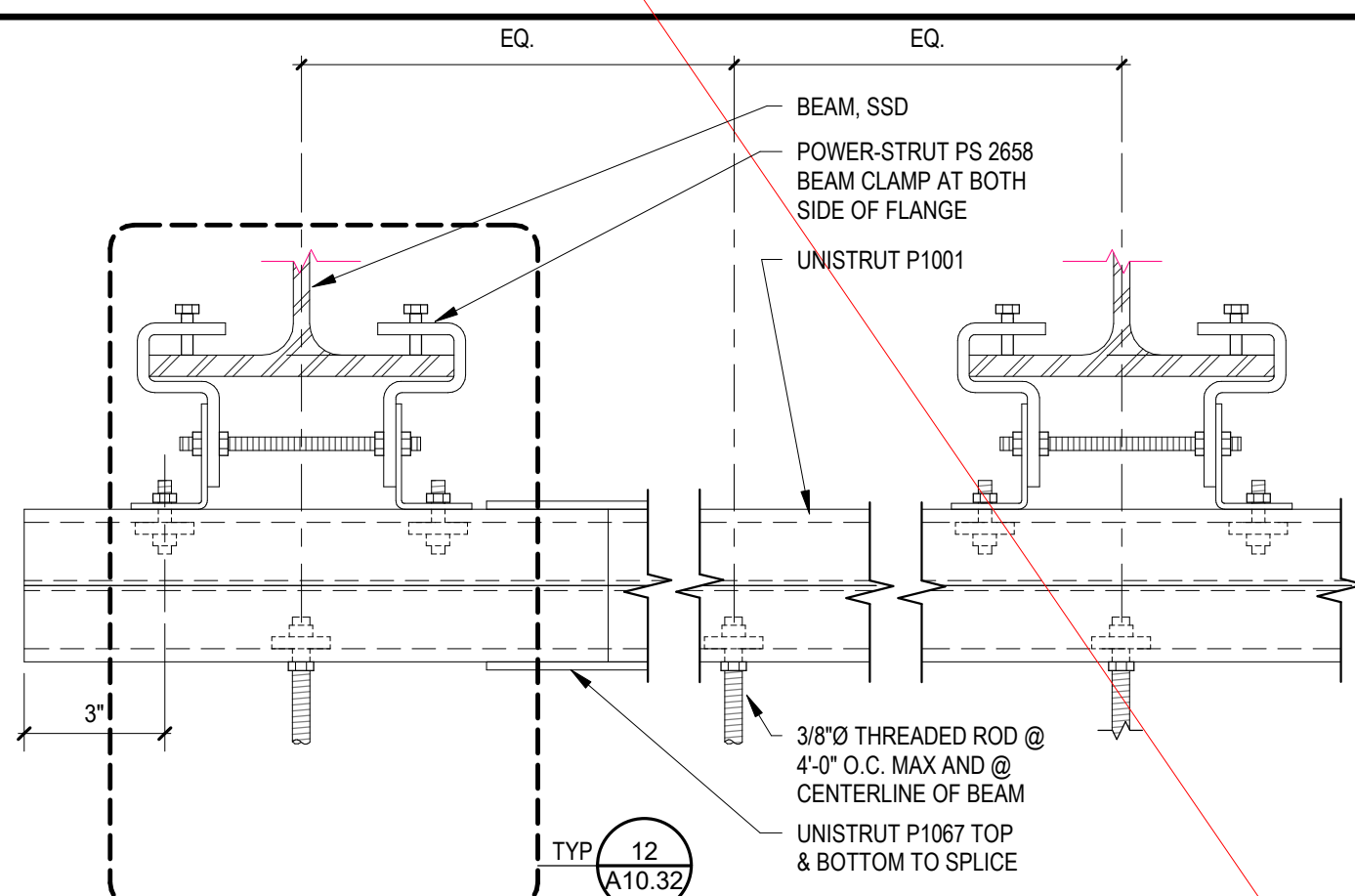
OPTION 1 - SPOTLIGHT SUPPORT - ELEVATION 21
1 1/2" = 1'-0"



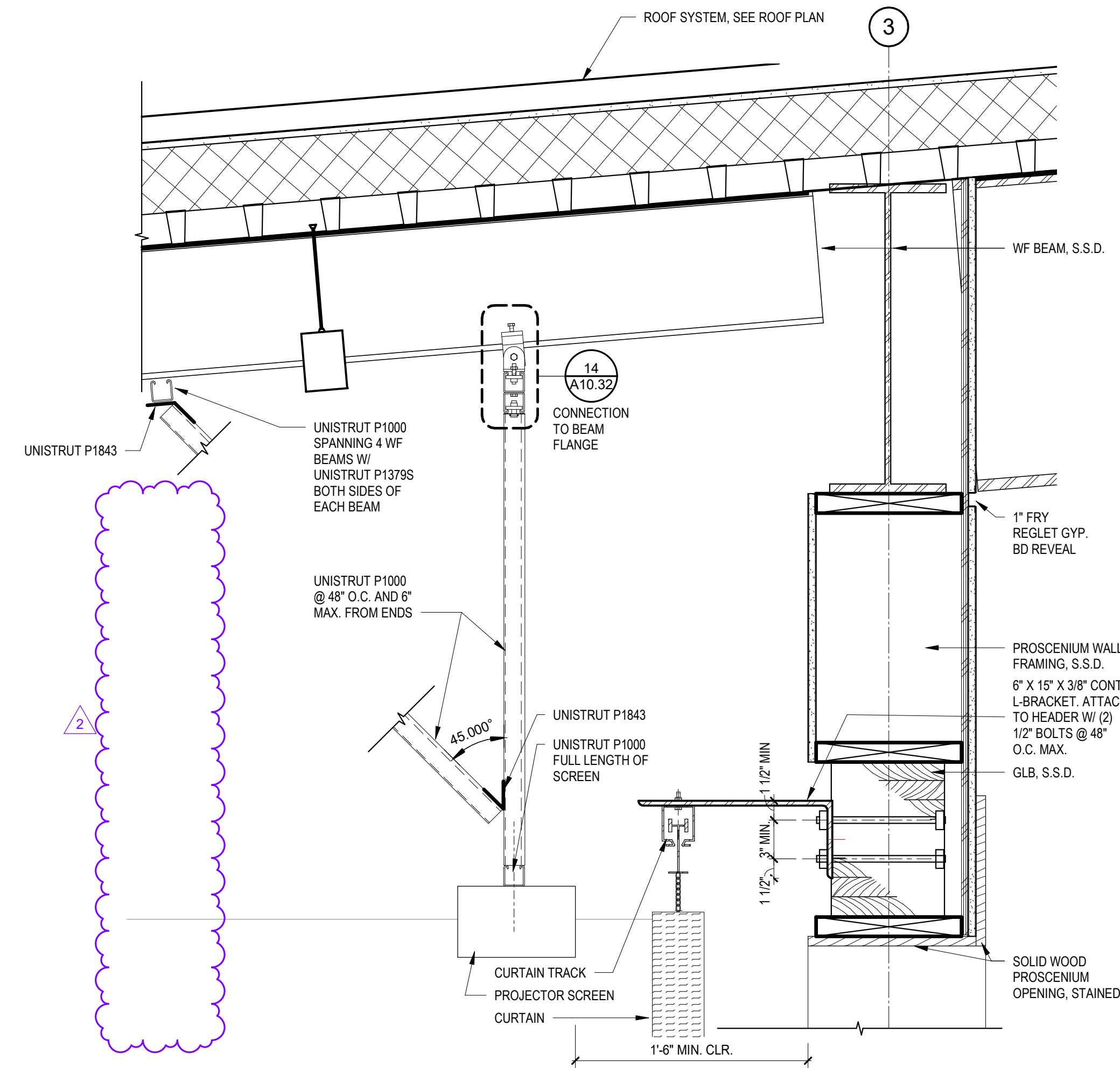
OPTION 2 - PIPE SUPPORT 14
6" = 1'-0"



OPTION 2 - PIPE SUPPORT 12
6" = 1'-0"

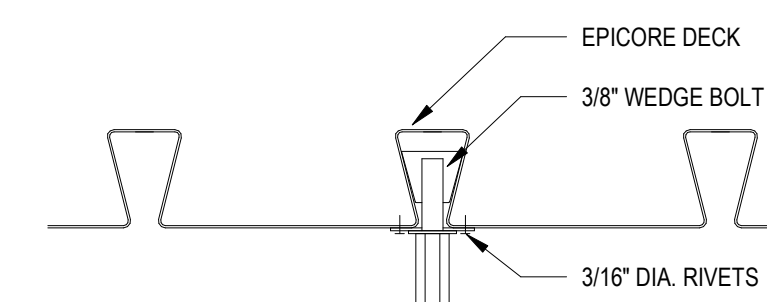


OPTION 2 - PIPE SUPPORT 11
3" = 1'-0"



PROSCENIUM WALL - HEAD CONDITION 03
1 1/2" = 1'-0"

EPICORE DECK TYPE	GAUGE	PULL STRENGTH	
		LRFD	ASD
ER2RA	18	222 LBS.	139 LBS.
ER2RA (WITH RIVET)	18	634 LBS.	396 LBS.
TORIS A	18	222 LBS.	139 LBS.
TORIS A (WITH RIVET)	18	634 LBS.	396 LBS.



EPIC 3/8" WEDGE BOLT HANGER 01
3" = 1'-0"

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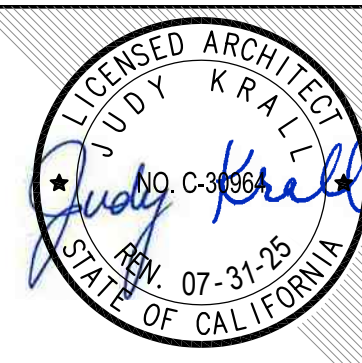
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PROJECT:
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SITE WORK

SHEET NAME:
CEILING DETAILS

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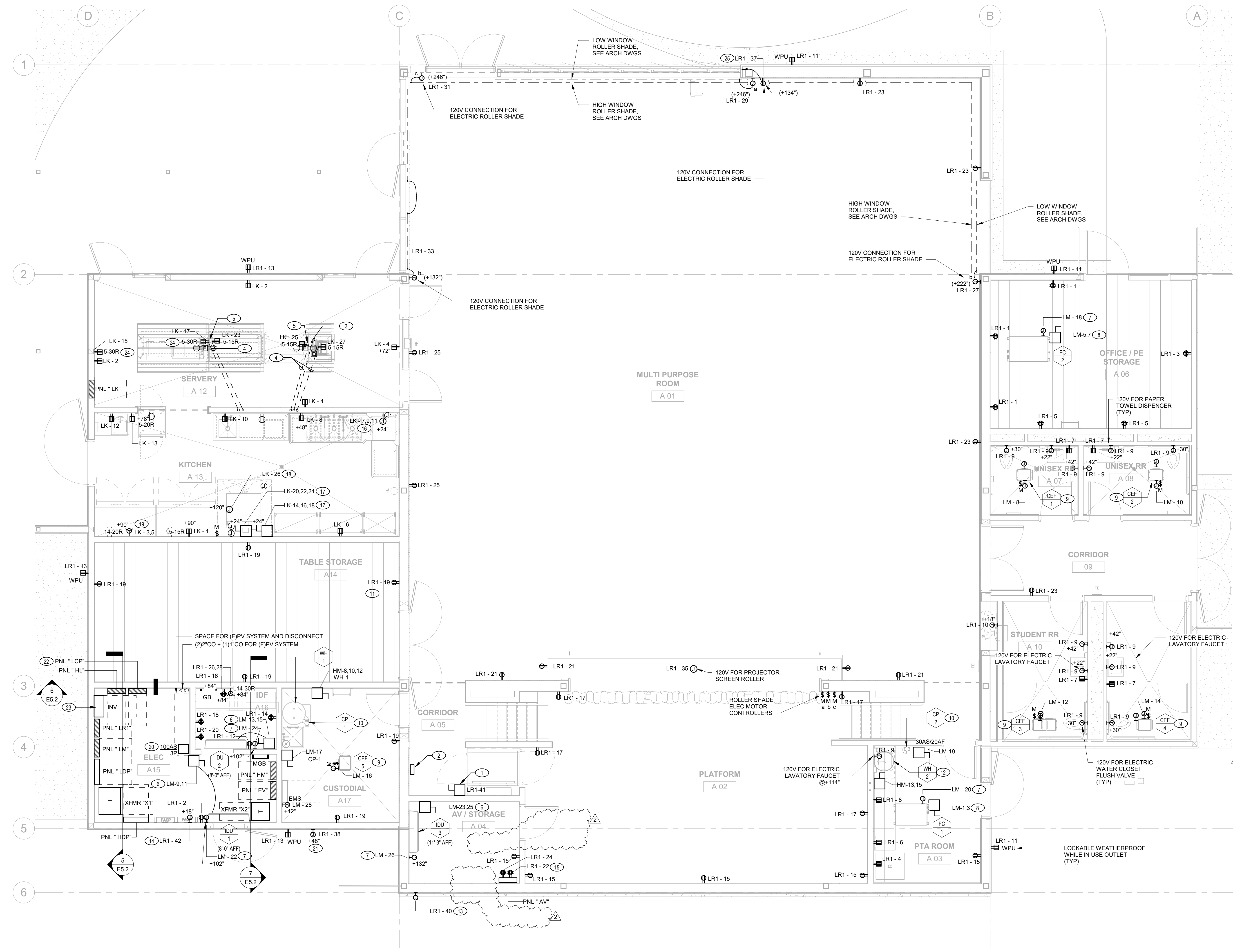
FILE NO.: 41-26 A NO.: 01-120306

DATE: 06/10/2022 CLIENT PROJ NO:

SHEET:

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- KEYNOTES**
- 120V, 2#12 CU + 1#12 CU GND IN 3/4" CONNECTION FOR ADA LIFT. PROVIDE 30AS/20AF SAFETY DISCONNECT LOCKABLE IN THE OPEN POSITION, EATON 16"H X 8"W X 10"D, WITH AUXILIARY CONTACT ON THE MAIN POWER SUPPLY. COORDINATE WITH ADA LIFT MANUFACTURER INSTALLATION MANUAL FOR POINT OF CONNECTION.
 - PROVIDE 3/4" WITH 2#18 FROM ADA LIFT DISCONNECT CONTACT AND THE CONTROLLER. COORDINATE WITH ADA LIFT MANUFACTURER INSTALLATION MANUAL FOR POINT OF CONNECTION.
 - PROVIDE (1)1" C STUBBED UP TO THE NEAREST WALL FOR DATA TERMINATED AT WIREMOLD 525 SERIES FLOOR BOX. SEE LV DRAWINGS FOR DATA CONFIGURATION.
 - PROVIDE (1)3/4" C STUBBED UP TO THE NEAREST WALL FOR POWER TERMINATED AT WIREMOLD 525 SERIES FLOOR BOX. (2) SIMPLEX, PROVIDED WITH WEATHERPROOF WHILE IN USE COVER.
 - PROVIDE WIREMOLD 525 SERIES FLOOR BOX, MOUNTED ON CONCRETE PEDESTAL. SEE ARCHITECTURAL FOR PEDESTAL DETAIL. TYPICAL FOR ALL LOCATIONS.
 - PROVIDE 30AS/15AF LOCKABLE IN THE OPEN POSITION, 2#12 CU + 1#12 CU GND IN 3/4" FOR IDU UNIT FED FROM ODU LOCATED AT THE ROOF.
 - PROVIDE 120V, 2#12 CU + 1#12 CU GND IN 3/4" CONNECTION FOR CONDENSATE PUMP.
 - PROVIDE 30AS/15AF LOCKABLE IN THE OPEN POSITION, 2#12 CU + 1#12 CU GND IN 3/4" FOR FC UNIT FED FROM HP LOCATED AT THE ROOF.
 - PROVIDE 120V, 2#12 CU + 1#12 CU GND IN 3/4" CONNECTION FOR CEF UNIT. PROVIDE INTERLOCK DEVICE CONNECTION TO CONTROL EXHAUST FAN VIA LIGHTING CONTROL DEVICE SERVICING THE RESTROOM.
 - PROVIDE 120V, 2#12 CU + 1#12 CU GND IN 3/4" CONNECTION FOR CIRCULATING PUMP.
 - PROVIDE 60AS/45AF LOCKABLE IN THE OPEN POSITION, 4#6 CU + 1#10 CU GND IN 1" C FOR WH-1.
 - PROVIDE 30AS/20AF LOCKABLE IN THE OPEN POSITION, 3#10 CU + 1#10 CU GND IN 3/4" FOR WH-2.
 - PROVIDE 120V, 2#12 CU + 1#12 CU GND IN 3/4" DEDICATED CIRCUIT FOR FIRE RISER FLOW SWITCH, STROBE/HORN. REFER TO FA DRAWINGS FOR LOCATION.
 - PROVIDE 120V, 2#12 CU + 1#12 CU GND IN 3/4" DEDICATED CIRCUIT FOR FACP.
 - PROVIDE (2)20A/1P, 120V DEDICATED CIRCUITS FOR AV RACK. COORDINATE WITH AV INSTALLER FOR THE QUAD OUTLET LOCATION/ELEVATION PRIOR TO ROUGH IN.
 - PROVIDE 208V, 3-PHASE, 4#4 CU + 1#8 CU GND IN 1 1/4" CONNECTION FOR DISHWASHER.
 - PROVIDE 208V, 3-PHASE, 4#8 CU + 1#10 CU GND IN 3/4" C FOR STACKED OVEN.
 - PROVIDE 120V, 2#12 CU + 1#12 CU GND IN 3/4" CONNECTION FOR TYPE 2 HOOD.
 - PROVIDE 208V, 1-PHASE, 2#12 CU + 1#12 CU GND IN 3/4" CONNECTION FOR FREEZER.
 - SPACE DEDICATED FOR (F)100A/3P HEAVY DUTY BLADED FUSIBLE DISCONNECT WITH WINDOW FOR (F)PV SYSTEM.
 - 120V, 2#12 CU + 1#12 CU GND IN 3/4" C FOR IRRIGATION CONTROLLER.
 - LIGHTING CONTROL PANEL "LCP" TO SERVICE EXTERIOR, INTERIOR, EMERGENCY LIGHTING, PARKING LIGHTING. LCP BY WATTSTOPPER, LMCP SERIES WITH 48 RELAYS (NORMAL & EM RELAYS).
 - EMERGENCY LIGHTING INVERTER: MYERS' CATH#6-EM-4-S-B-D-2005-A-BIP-W/F OR APPROVED EQUAL.
 - PROVIDE 120V, 2#10 CU + 1#10 CU GND IN 3/4" C CONNECTION FOR MOBILE HEATED CART.
 - PROVIDE 120V, 2#12 CU + 1#12 CU GND IN 3/4" C CONNECTION FOR WALL MOUNTED PROJECTOR. LOCATE OUTLET AT THE BACK OF WALL MOUNTED PROJECTOR. COORDINATE WITH LOW VOLTAGE DRAWINGS FOR ALL RACEWAY REQUIRED. COORDINATE WITH ARCHITECTURAL WALL MOUNTED SUPPORT PRIOR TO ROUGH IN.

AGENCY APPROVAL:

DSA # 119574
FILE # 41-26

SAN MATEO-FOSTER CITY SCHOOL DISTRICT
1170 CHESS DR.,
FOSTER CITY, CA 94404

HMC Architects
3542005-000

333 W. SAN CARLOS STREET
STUDIO 750, SAN JOSE, CA 95110
909.989.9570 / www.hmcarchitects.com

ISSUE

DESCRIPTION	DATE
2 DSA Backcheck	8-15-2022
2 Addendum 2	10-22-2023

CONSULTING ENGINEERS
1209 Pleasant Grove Blvd.
Roseville, CA 95678
P 916-771-0778
www.lpeengineers.com
Job #: 21-2082

REGISTERED PROFESSIONAL ENGINEER
JAMES S. ZEIDMAN
No. E 10762
EXP. 9-30-24
ELECTRICAL
STATE OF CALIFORNIA

- GENERAL NOTES**
- ALL ELECTRICAL DEVICE PROVIDED SHALL BE RATED FOR THE TYPE OF ENVIRONMENT IT IS BEING SUBJECTED TO.
 - ALL 120V RECEPTACLES WITHIN 6 FEET FROM A SINK / WATER SOURCE SHALL BE GFCI TYPE.
 - REFER TO E0.1 FOR ADDITIONAL GENERAL NOTES.

FACILITY:
PARKSIDE MONTESSORI SCHOOL
1685 EISENHOWER ST.
SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND SITE WORK

SHEET NAME:
ELECTRICAL FLOOR PLAN

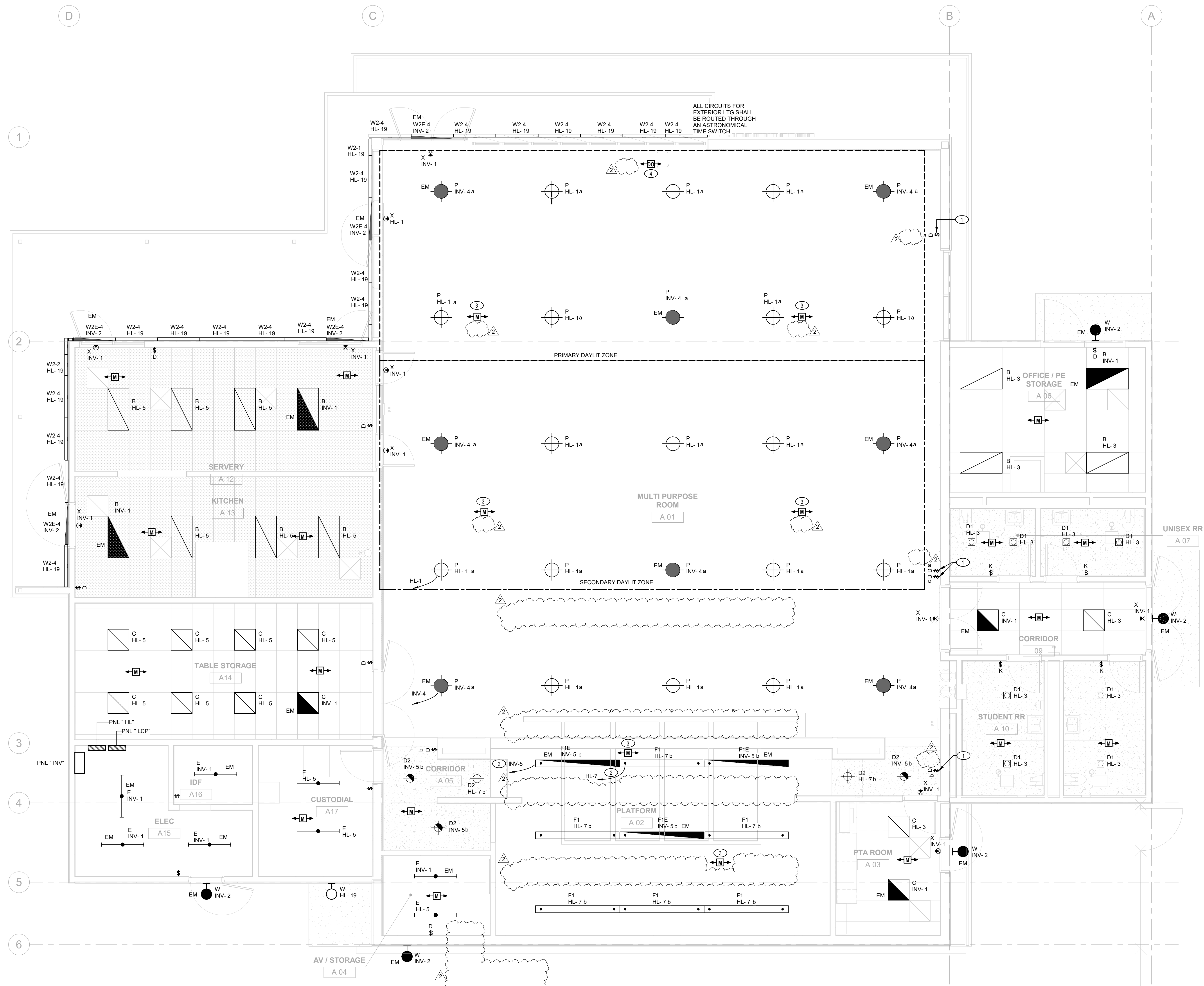
ADDENDUM 2

FILE NO.: 41-26
DATE: 10/20/2022

A NO.: 01-120306
PROJ NO.: 3542-004

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SHEET'S ORIGINAL PAGE SIZE



1 ELECTRICAL LIGHTING FLOOR PLAN
SCALE: 1/4" = 1'-0"

AGENCY
APPROVAL:

DSA # 119574
FILE # 41-26



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SCHOOL DISTRICT
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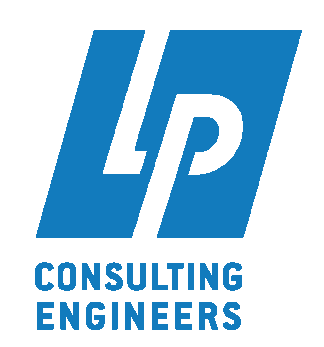
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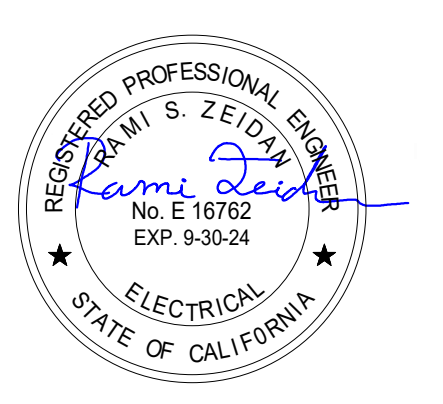
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- KEYNOTES:**
- PROVIDE WATTSTOPPER LIGHTING CONTROL AND PROVIDE CONDUIT, BACKBOX AS REQUIRED. LIGHTING CONTROL SETTING AND INSTALLATIONS SHALL PER WATTSTOPPER SYSTEM INSTALLATION MANUAL.
 - LIGHTING CIRCUIT IN THE MULTI PURPOSE ROOM AND PLATFORM TO BE ROUTED VIA WATTSTOPPER LIGHTING CONTROL PANEL.
 - PROVIDE WATTSTOPPER OCCUPANCY SENSOR AND PROVIDE CONDUIT, BACKBOX AS REQUIRED. ALL OCCUPANCY SENSOR LOCATION AND INSTALLATIONS SHALL PER WATTSTOPPER SYSTEM INSTALLATION MANUAL.
 - PROVIDE WATTSTOPPER PHOTOCELL SENSOR AND PROVIDE CONDUIT, BACKBOX AS REQUIRED. PHOTOCELL SENSOR LOCATION AND INSTALLATIONS SHALL PER WATTSTOPPER SYSTEM INSTALLATION MANUAL.

GENERAL NOTES

- LIGHTING CONTROL DEVICES QUANTITY AND LOCATION ARE SHOWN FOR INTENT PURPOSES ONLY. FINAL LIGHTING CONTROLS DEVICES QUANTITY AND LOCATION SHALL BE PER THE APPROVED LIGHTING CONTROL SHOP DRAWINGS.
- REFER TO ARCHITECTURAL RCP AND ELEVATION FOR EXACT LOCATION AND MOUNTING HEIGHT OF WALL MOUNTED EXIT SIGN.
- REFER TO E0.1 FOR ADDITIONAL GENERAL NOTES.
- REFER TO SHEET E7.1 FOR THE LIGHTING FIXTURE SCHEDULE.
- REFER TO SHEET T24.2 FOR SUPPORTING DOCUMENTS PERTAINING TO T24 COMPLIANCE FORMS.

FACILITY:
PARKSIDE MONTESSORI SCHOOL
1685 EISENHOWER ST.
SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND SITE WORK

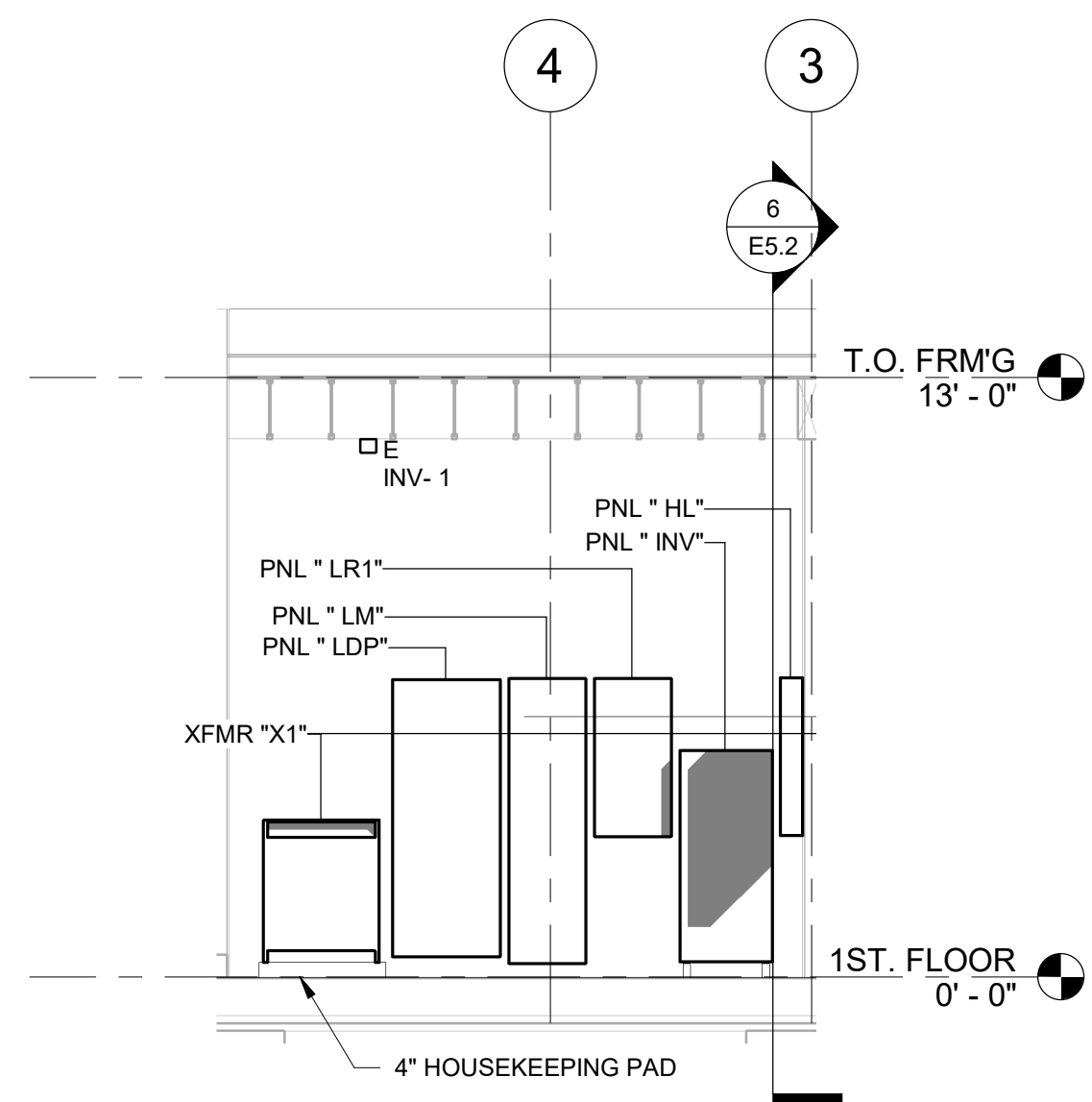
SHEET NAME:
ELECTRICAL LIGHTING FLOOR PLAN

ADDENDUM 2

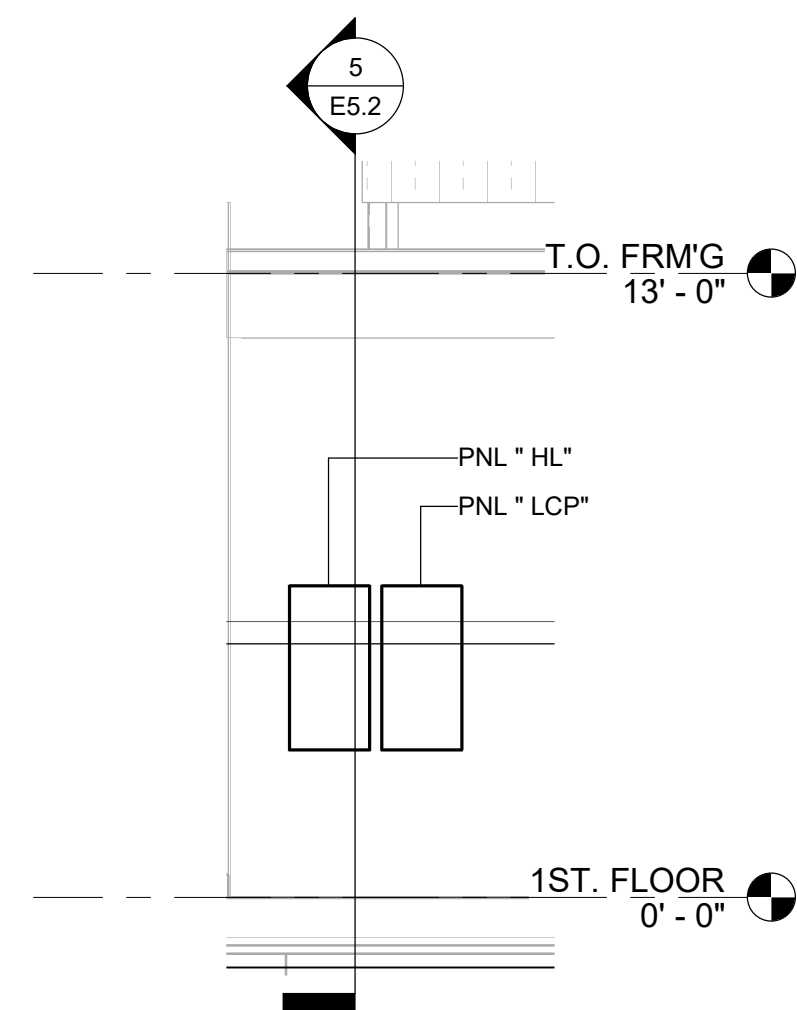
FILE NO.: 41-26 A NO.: 01-120306
DATE: 10/20/2022 PROJ NO.: 3542-004

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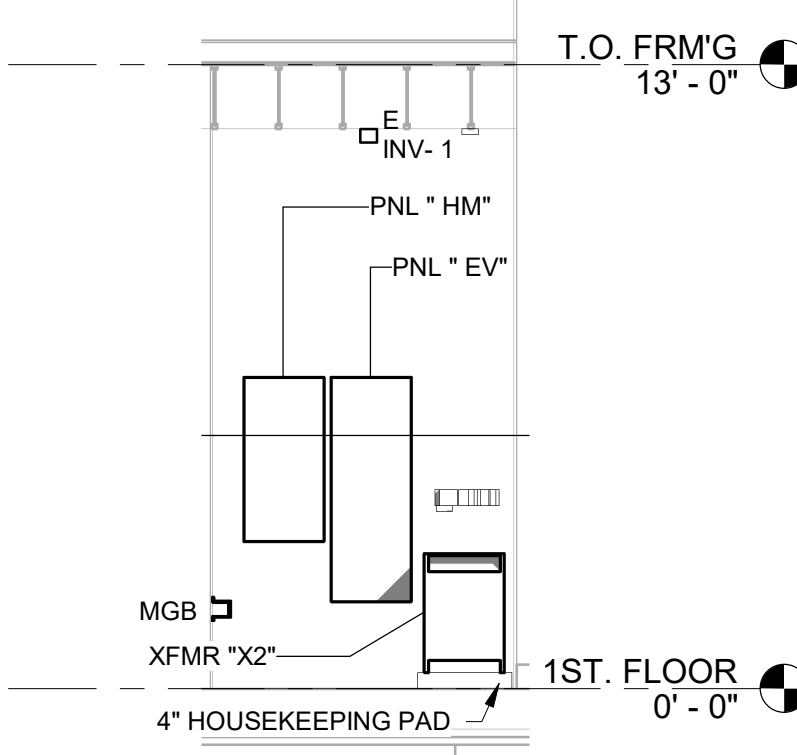
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SHEET OR DRAWING PAGE SIZE



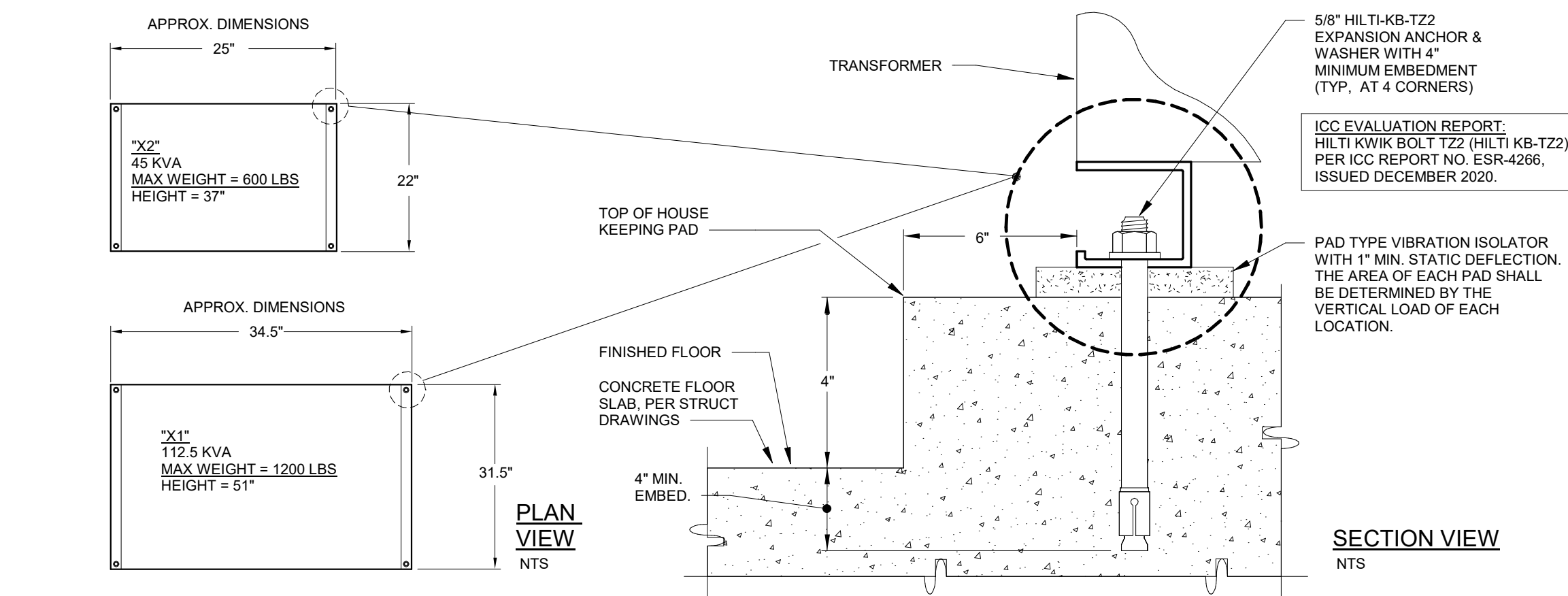
5 ELECTRICAL ELEVATION - WEST ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"



6 ELECTRICAL ELEVATION - NORTH ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"

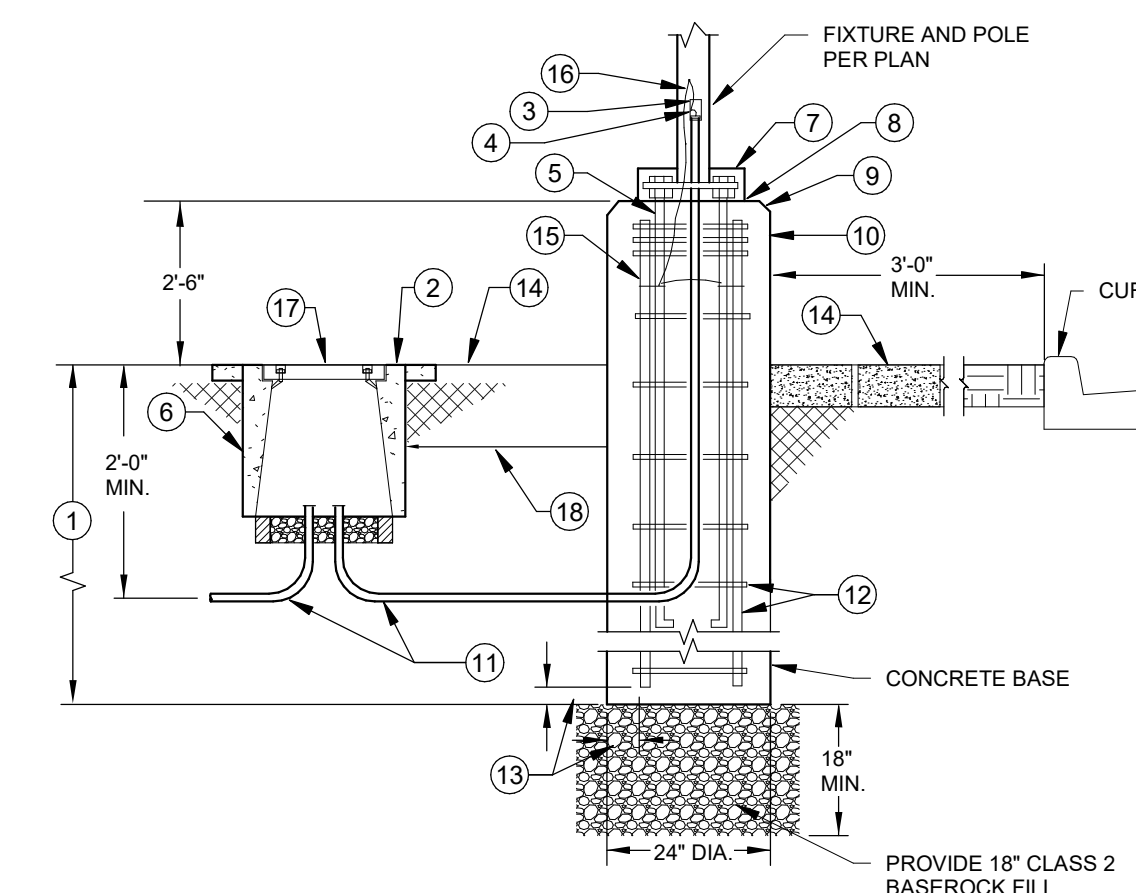


7 ELECTRICAL ELEVATION - EAST ELECTRICAL ROOM
SCALE: 1/4" = 1'-0"

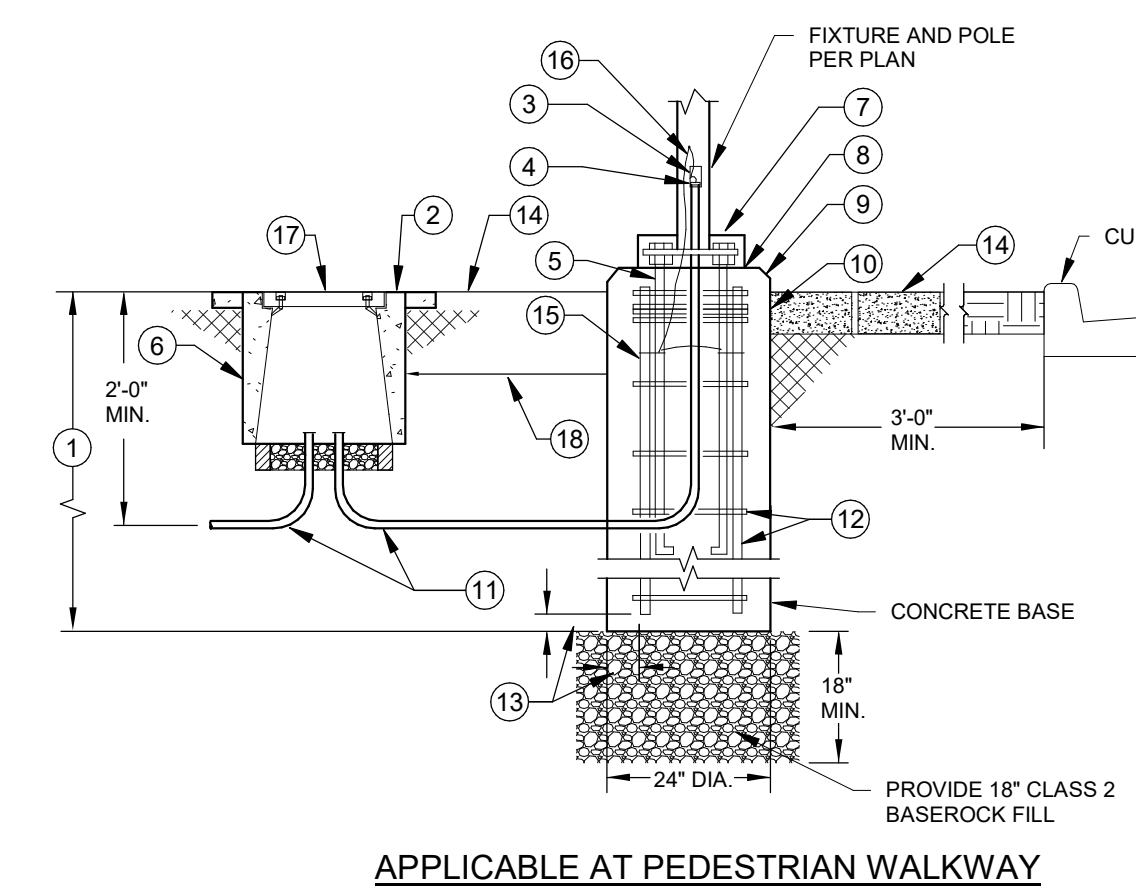


4 FLOOR MOUNTED TRANSFORMER DETAILS
SCALE: 1/4" = 1'-0"

- KEYNOTES**
- 1 PROVIDE 48" MINIMUM FOR LIGHT POLE UP TO 25 FEET, AND 60" MINIMUM FOR LIGHT POLE UP TO 35 FEET. EXEMP FROM DSA REVIEW NOTE, AS INDICATED.
 - 2 UNDERGROUND PULL BOX REQUIRED ADJACENT TO POLE BASE. SET TOP OF PULLBOX FLUSH WITH FINISHED GRADE.
 - 3 GASKETED HANDHOLE COVER WITH TWO STAINLESS STEEL TAMPER PROOF SCREWS.
 - 4 CONNECT GROUND WIRE TO GROUNDING LUG OF POLE AT HANDHOLE.
 - 5 FOUR ANCHOR BOLTS. SIZE PER MANUFACTURER'S STANDARDS.
 - 6 PROVIDE PULL BOX ONLY WHERE SHOWN ON PLAN.
 - 7 BASECOVER, SECURE TO POLE AND/OR BASE.
 - 8 PROVIDE 1-1/2" MINIMUM GROUT AROUND THE BASE AFTER PLUMB. SLOPE TO GRADE FOR DRAINAGE.
 - 9 PROVIDE CONCRETE BASE WITH 1/2" CHAMFER, CONCRETE FILL AND SACK FINISH ALL CONCRETE SURFACE IMPERFECTIONS, CAVITIES AND VOIDS ABOVE FINISHED GRADE.
 - 10 PROVIDE (3) #3 REBAR TIES. REINFORCE STEEL HOOPS 2' ON CENTER WITHIN TOP 5' AREA.
 - 11 CONDUIT PER PLAN.
 - 12 PROVIDE (8) #6 REINFORCE STEEL RODS AND #3 REINFORCED STEEL HOOPS 9" ON CENTER. SIZE PER MANUFACTURER'S STANDARDS.
 - 13 PROVIDE 3" CLEAR IF CAST AGAINST EARTH, TYPICAL.
 - 14 FINISHED GRADE OF PAVING PER ARCHITECTURAL DRAWINGS.
 - 15 UL LISTED GROUND CLAMP SUITABLE FOR CONCRETE ENCASEMENT OR DIRECT BURIAL. INSTALL CLAMPS ON ALL ANCHOR BOLTS, TYPICAL.
 - 16 SPlice GROUND WIRE AND EXTEND TO GROUND CLAMP AT ANCHOR BOLT.
 - 17 PROVIDE TRAFFIC BOLT-DOWN COVER.
 - 18 LOCATE PULL BOX ADJACENT TO THE POLE CONCRETE BASE.

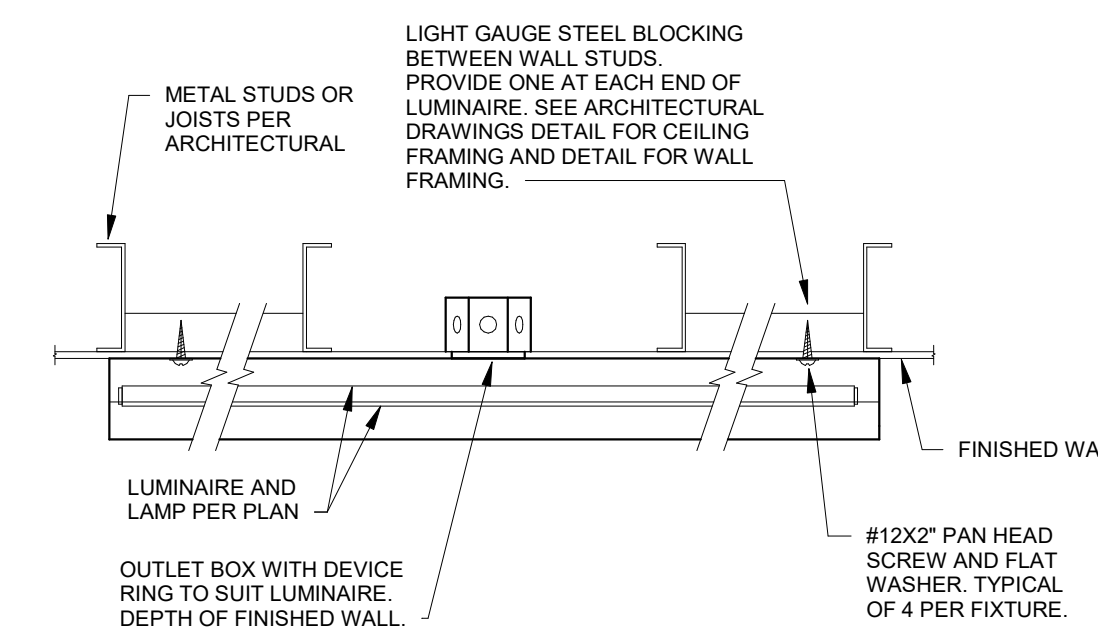


APPLICABLE AT PARKING LOT



APPLICABLE AT PEDESTRIAN WALKWAY

1 FIXTURE POLE BASE MOUNTING DETAIL
SCALE: NONE



2 WALL-CLG MTD LT FIXT METAL FRAMING
SCALE: NONE

AGENCY
APPROVAL:

DSA # 119574
FILE # 41-26



SAN MATEO-FOSTER CITY
SCHOOL DISTRICT
1170 CHESS DR.,
FOSTER CITY, CA 94404

HMC Architects

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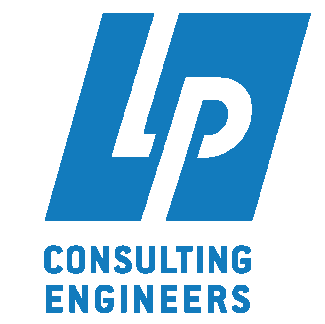
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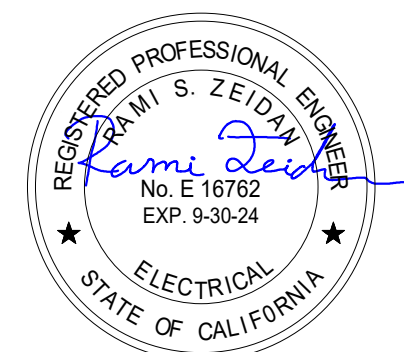
DESCRIPTION DATE

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2 Addendum 2

8-15-2022
10-22-2023



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FACILITY:
PARKSIDE MONTESSORI SCHOOL
1685 EISENHOWER ST.
SAN MATEO, CA 94403

PROJECT:
PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK

SHEET NAME:
ELECTRICAL DETAILS

ADDENDUM 2

FILE NO.: 41-26 A NO.: 01-120306

DATE: 10/20/2022 PROJ NO: 3542-004

SHEET:

E5.2

PLEASE RECYCLE

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LIGHTING FIXTURE NOTES:

1. ALL DRIVERS SHALL BE CEC CERTIFIED
2. COORDINATE LUMINAIRE FINISH WITH ARCHITECT (TYPICAL)
3. COORDINATE LUMINAIRE LOCATIONS WITH ARCHITECT PRIOR TO ROUGH IN (TYPICAL)
4. POLE LIGHTS, PROVIDE GARCO POLE/BRACKET STRAIGHT ROUND STEEL "SRS" REFER TO LIGHT TYPE "S1", "S3" AND "S4" DEDICATED FOR AREA OF SAFE DISPERSAL AT 14' AFG SHALL BE 4" DIA POLE. REFER TO LIGHT SCHEDULE FOR POLE HEIGHT REQUIREMENTS. FOR CONCRETE BASE, REFER TO DETAIL 1/65.2
5. POLE LIGHTS, PROVIDE GARCO POLE/BRACKET STRAIGHT ROUND STEEL "SRS" REFER TO LIGHT TYPE "S2" AND "S3" DEDICATED AT THE PARKING AND SIDE WALK AT 25' AFG SHALL BE 5" DIA POLE. REFER TO LIGHT SCHEDULE FOR POLE HEIGHT REQUIREMENTS. FOR CONCRETE BASE, REFER TO DETAIL 1/65.2
6. LIGHT FIXTURE TYPE "W" SHOWN ON THE LIGHT FIXTURE SCHEDULE IS SHOWN FOR REFERENCE ONLY AND IT WILL BE FURNISHED AND INSTALLED UNDER FUTURE PACKAGE.

LTG INVERTER INV		Location: Electrical RM		Volts: 277/277 Single	A.L.C. Rating: 42,000
Supply From: HL		Phases: 1	Mains Type: MCB		
Mounting: Surface		Wires: 2	Mains Rating: 20 A		
Enclosure: Type 1			MCB Rating: 20 A		

Notes:

CKT	Circuit Description	Trip	Poles	Load
1	LTG - INTERIOR	20 A	1	316 VA
2	LTG - EXTERIOR BLDG	20 A	1	436 VA
3	LTG - SITE	20 A	1	298 VA
4	LTG - MULTIPURPOSE ROOM	20 A	1	600 VA
5	SPARE	20 A	1	277 VA
Total Load:				889 VA
Total Amps:				

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
LTG	917 VA	125.00%	1146 VA	
				Total Conn. Load: 1,911 VA
				Total Est. Demand: 2,389 VA
				Total Conn. Current: 7 A
				Total Est. Demand Current: 9 A

Notes:

Branch Panel: HM

Location: Electrical RM

Supply From: HDP

Mounting: Surface

Enclosure: Type 1

Volts: 480/277 Wye

Phases: 3

Wires: 4

A.I.C. Rating: 42,000

Mains Type: MLO

Mains Rating: 225 A

MCB Rating: 225 A

Notes:

CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	PHP-2	20 A	3	4,433			0			3	20 A	PE-1, 5HP - FOR PHP-1	2
3	--	--	--		4,433			0		--	--	--	4
5	--	--	--			4,433			0	--	--	--	6
7	PE-2, 1/2HP, FOR PHP-2	15 A	3	0			9,000			3	45 A	WH-1	8
9	--	--	--		0				9,000	--	--	--	10
11	--	--	--			0				--	--	--	12
13	WH-2	20 A	2	3,000			0			1	20 A	SPARE	14
15	--	--	--		3,000			0		1	20 A	SPARE	16
17	SPARE	20 A	1			0			0	1	20 A	SPARE	18
19	SPARE	20 A	1	0			0			1	20 A	SPARE	20
21	SPARE	20 A	1		0			0		1	20 A	SPARE	22
23	SPARE	20 A	1			0			0	1	20 A	SPARE	24
25	SPARE	20 A	1	0			0			1	20 A	SPARE	26
27	SPARE	20 A	1		0			0		1	20 A	SPARE	28
29	SPARE	20 A	1			0			0	1	20 A	SPARE	30
31	PFB	--	--	0			0			--	--	PFB	32
33	PFB	--	--		0			0		--	--	PFB	34
35	PFB	--	--			0			0	--	--	PFB	36
37	PFB	--	--	0			0			--	--	PFB	38
39	PFB	--	--		0			0		--	--	PFB	40
41	PFB	--	--			0			0	--	--	PFB	42
Total Load:				16,433 VA		16,433 VA		13,433 VA					
Total Amps:				61 A		61 A		48 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals
HVAC	13299 VA	125.00%	16624 VA	
Heating	33000 VA	100.00%	33000 VA	
				Total Conn. Load: 46,299 VA
				Total Est. Demand: 49,624 VA
				Total Conn. Current: 56 A
				Total Est. Demand Current: 60 A

Notes:

FACILITY:
PARKSIDE MONTESSORI SCHOOL
1695 EISENHOWER ST.
SAN MATEO, CA 94403

PROJECT:
**PARKSIDE MONTESSORI MULTIPURPOSE BLDG AND
SITE WORK**

SHEET NAME:
ELECTRICAL PANEL AND LIGHTING SCHEDULES

ADDENDUM 2	
FILE NO.: 41-26	A NO.: 01-120306
DATE: 10/20/2022	PROJ NO: 3542-004
SHEET:	

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SHOWN ARE TO BE CONSIDERED
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Branch Panel: LM															
Location: Electrical RM				Volts: 120/208 Wye				A.I.C. Rating: 10,000							
Supply From: LDP				Phases: 3				Mains Type: MLO							
Mounting: Surface				Wires: 4				Mains Rating: 100 A							
Enclosure: Type 1								MCB Rating: 100 A							
Notes:															
CKT	Load Name			Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	HP-1 & FC-1			25 A	2	1,660			180			1	20 A	DUCT SMOKE DETECTOR PHP-1	2
3	--			--	--		1,660			720		1	20 A	RECEPT - ROOF	4
5	HP-2 & FC-2			30 A	2			1,996			180	1	20 A	RECEPT - ROOF	6
7	--			--	--	1,996			8			1	20 A	CEF-1	8
9	ODU-1 & IDU-1			30 A	2		3,030			8		1	20 A	CEF-2	10
11	--			--	--			1,830			15	1	20 A	CEF-3	12
13	ODU-2 & IDU-2			30 A	2	3,030			15			1	20 A	CEF-4	14
15	--			--	--			1,830			22	1	20 A	CEF-5	16
17	CP-1			20 A	1			41			93	1	20 A	CONDENSATE PUMP FOR FC-2	18
19	CP-2			20 A	1	41			93			1	20 A	CONDENSATE PUMP FOR FC-1	20
21	KEF-1 - ROOF			20 A	1		50			93		1	20 A	CONDENSATE PUMP FOR IDU-1	22
23	ODU-3 & IDU-3			30 A	2			3,030			93	1	20 A	CONDENSATE PUMP FOR IDU-2	24
25	--			--	--			1,830			93	1	20 A	CONDENSATE PUMP FOR IDU-3	26
27	SPARE			20 A	1		0			200		1	20 A	JUNCTION BOX PANEL EMS	28
29	SPARE			20 A	1			0			0	1	20 A	SPARE	30
31	SPARE			20 A	1	0			0			1	20 A	SPARE	32
33	SPARE			20 A	1		0			0		1	20 A	SPARE	34
35	SPARE			20 A	1			0			0	--	--	PFB	36
37	SPARE			20 A	1	0			0			--	--	PFB	38
39	SPARE			20 A	1		0			0		--	--	PFB	40
41	SPARE			20 A	1			0			0	--	--	PFB	42
Total Load:						8,946 VA				7,613 VA					
Total Amps:						75 A				64 A				61 A	
Legend:															
Load Classification				Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Motor				150 VA		106.83%		160 VA							
HVAC				21892 VA		104.56%		22890 VA		Total Conn. Load: 23,837 VA					
Power				50 VA		100.00%		50 VA		Total Est. Demand: 24,845 VA					
RECEPT				1745 VA		100.00%		1745 VA		Total Conn. Current: 66 A					
										Total Est. Demand Current: 69 A					
Notes:															

Branch Panel: LR1													
Location: Electrical RM				Volts: 120/208 Wye				A.I.C. Rating: 10,000					
Supply From: LDP				Phases: 3				Mains Type: MLO					
Mounting: Surface				Wires: 4				Mains Rating: 225 A					
Enclosure: Type 1										MCB Rating: 225 A			
Notes:													
CKT	Load Name	Trip	Poles	A	B	C	A	B	C	Poles	Trip	Load Name	CKT
1	RECEPT - OFF/PE STORAGE	20 A	1	1,080			180			1	20 A	RECEPT - ELEC ROOM	2
3	RECEPT - OFF/PE STORAGE	20 A	1		360			1,250		1	20 A	RECEPT - REFRIGERATOR, PTA ROOM	4
5	RECEPT - OFF/PE STORAGE	20 A	1			720			180	1	20 A	RECEPT - ABOVE COUNTER	6
7	RECEPT - RESTROOMS	20 A	1	720			180			1	20 A	RECEPT - ABOVE COUNTER	8
9	RESTROOMS PPOIS/LAVATORIES/FLUSH...	20 A	1		260			180		1	20 A	RECEPT - WATER FOUNTAIN	10
11	RECEPT - GFIC EXTERIOR	20 A	1			720			180	1	20 A	RECEPT - IDF ROOM	12
13	RECEPT - GFIC EXTERIOR	20 A	1	540			360			1	20 A	RECEPT - IDF AMP	14
15	RECEPT - PTA ROOM	20 A	1		900			360		1	20 A	RECEPT - IDF RACK	16
17	RECEPT - PLATFORM	20 A	1			720			360	1	20 A	RECEPT - IDF INTR	18
19	RECEPT CUSTORIAL/TABLE STORAGE	20 A	1	1,080			360			1	20 A	RECEPT - IDF EMS	20
21	RECEPT - MULTI PURPOSE ROOM	20 A	1		720			360		1	20 A	RECEPT - AV CABINET	22
23	RECEPT - MULTI PURPOSE ROOM	20 A	1			720			360	1	20 A	RECEPT - AV CABINET	24
25	RECEPT - MULTI PURPOSE ROOM	20 A	1	360			700			2	30 A	RECEPT - IDF RACK	26
27	ELECTRIC SHADES	20 A	1		1,200			700		--	--	--	28
29	ELECTRIC SHADES	20 A	1			1,200			0	1	20 A	SPARE	30
31	ELECTRIC SHADES	20 A	1	1,200			0			1	20 A	SPARE	32
33	ELECTRIC SHADES	20 A	1		1,200			0		1	20 A	SPARE	34
35	PROJECTOR SCREEN	20 A	1			1,000			250	1	20 A	EXTERIOR MARQUEE SIGN	36
37	RECEPT - CEILING MOUNTED PROJECTOR	20 A	1	180			180			1	20 A	IRRIGATION CONTROLLER	38
39	SPARE	20 A	1		0			1,200		1	20 A	[2]FIRE RISER FLOW SWITCH, STROBE/HORN	40
41	ADA LIFT	20 A	1			1,200			350	1	20 A	[2]FIRE ALARM POWER SUPPLY	42
Total Load:				7,120 VA			8,690 VA						
Total Amps:				59 A			73 A						
Legend:													
Load Classification		Connected Load		Demand Factor		Estimated Demand		Panel Totals					
Motor		180 VA		125.00%		225 VA							
Power		2200 VA		100.00%		2200 VA		Total Conn. Load: 23,770 VA					
RECEPT		21390 VA		73.38%		15695 VA		Total Est. Demand: 18,120 VA					
								Total Conn. Current: 66 A					
								Total Est. Demand Current: 50 A					
Notes:													
1 - MULTIPLE CIRCUITS SHARING THE SAME CONDUIT AND NEUTRAL SHALL HAVE HANDLE TIES AT BREAKERS AND WIRE IN PANEL TIES PER CEC 210.4. 2 - BREAKER ASSIGNED FOR FIRE ALARM SYSTEM SHALL BE PAINTED RED/MARKED WITH RED AND BE PROVIDED WITH A LOCK-ON DEVICE.													

DIST. Panel: LDP													
Location: Electrical RM				Volts: 120/208 Wye				A.I.C. Rating: 10,000					
Supply From: XFMR "X1"				Phases: 3				Mains Type: MCB					
Mounting: Surface				Wires: 4				Mains Rating: 400 A					
Enclosure: Type 1								MCB Rating: 400 A					
Notes:													
CKT	Circuit Description			Trip	Poles	A	B	C					
1,2,3	LR1				150 A	3	7120 VA	8690 VA	7960 VA				
4,5,6	LM				100 A	3	8946 VA	7613 VA	7278 VA				
7,8,9	LK				175 A	3	17811 VA	17845 VA	18505 VA				
10,11,12	SPARE				100 A	3	0 VA	0 VA	0 VA				
13	SPACE				--	--	0 VA						
14	SPACE				--	--		0 VA					
15	SPACE				--	--			0 VA				
16	SPACE				--	--	0 VA						
17	SPACE				--	--		0 VA					
18	SPACE				--	--				0 VA			
19	SPACE				--	--	0 VA						
20	SPACE				--	--		0 VA					
21	SPACE				--	--				0 VA			
Total Load:							33877 VA	34148 VA	33743 VA				
Total Amps:							282 A	285 A	281 A				
Legend:													
Load Classification		Connected Load	Demand Factor	Estimated Demand	Panel Totals								
Motor		1350 VA	122.22%	1650 VA									
RECEPT		33651 VA	64.86%	21826 VA	Total Conn. Load: 101767 VA								
					Total Est. Demand: 82715 VA								
					Total Conn. Current: 282 A								
					Total Est. Demand Current: 230 A								
Notes:													

PRE-BID CONFERENCE

San Mateo-Foster City School District
Parkside Montessori
1685 Eisenhower Street
San Mateo, CA

October 25, 2022 at 1:00 p.m.

NEW MPR BUILDING Bid No. 21-186

AGENDA

1. Introductions

HMC Architects

- a. Judy Krall – Senior Project Manager
judy.krall@hmcarchitects.com
- b. Alex Seefeldt – Senior Construction Administrator
alex.seefeldt@hmcarchitects.com
- c. Ha Pham – Project Architect
ha.pham@hmcarchitects.com

San Mateo-Foster City School District

- a. Bob Price – Construction Project Manager
rprice@smfcsd.net (650) 312-7499
- b. Melany Ronzani – Construction Project Engineer
mronzani@smfcsd.net (650) 638-7040

IOR – Kris Gilbert

2. Attendance Sheet

- Please sign in on the attendance sheet. Sign-in is a requirement in order to bid the project.

3. Project Description/Scope

- Building a new MPR Building

- Access to site – construction entrance is the current EVA/Trash truck entrance – during the school breaks the PV and HVAC contractors will be using the same school entrance
- Staging area – will be required to coordinate with District
- Temp. fencing – whatever is needed for this contractor to make work area(s) safe and secure – will need to be approved by the District

4. Access to the site

- No deliveries during school drop-off and pick-up times
- Large vehicles are not allowed on neighboring streets around the school during drop-off and pick-up times

5. Single Source Items –

- Door Hardware (Schlage/Von Duprin)
- Plumbing (American Standard)
- Energy Management System (Delta)
- Fire Alarm (Notifier)
- Camera System (Verkada)
- Intrusion Alarm (Verkada)
- Toilet partitions (Bobrick)
- Clock-Bell-Announcement System (Advanced Network Devices)
- Thermostats (Delta)
- Water bottle fillers/water fountains (Haws)
- HVAC (Rooftop – Carrier, Trane, & York)
- HVAC (Heat Pump System – Samsung)
- Play Structures (Play Craft)
- Play Matting (SofSurface)
- Indoor Lunch Tables/Benches (National Public Bench)
- Turf Infill (Brockfill)

6. Deadlines

- Time is of the Essence on this Project. The District will work with the Contractor on scheduling issues to the greatest extent possible. However, the Contractor will be ultimately responsible for meeting the required Completion Dates.

7. Milestone Completion Dates

- ❖ November 20, 2023 – Last day for RFI's (5 p.m. deadline)
- ❖ November 24, 2023 – Last Addendum (at the latest)
- ❖ November 30, 2023 – Bids due at 2:00 pm
- ❖ December 6, 2023 – Notice of Award (Tentative)
- ❖ December 7 – December 15, 2023 – Bonds & Insurance submitted to the District and Submittals to the Architect
- ❖ December 15, 2023 – Notice to Proceed
- ❖ December 18, 2023 – Onsite construction activities start (including fencing)
- ❖ HMC has prepared a phasing plan/map for the entire school campus
- ❖ October 31, 2025 - Contract Completion

8. Worker Conduct

- Fingerprinting is required per state law. The District Fingerprint/Criminal Background Form (Document 00 45 85) is part of the construction documents and will be adhered to completely.
- All workers are expected to conduct themselves in a professional manner. Smoking of any kind is NOT permitted on the school campus. There is a \$100 fine for each occurrence.

9. Work Hours

- Contractor shall work normal working hours as allowed by the City of San Mateo. The contractor must notify the District 24 hours in advance of work, in writing, on the weekends.
- The contractor must notify the District 72 hours in writing, in advance, of any utility shut-downs. Utility shut-downs will need to be coordinated with the District in advance.

10. Labor Compliance Program

- This is a prevailing wage job. The contractor is required to follow the CA Department of Industrial Relations (DIR) requirements. Outlined in Document 00 21 13.

11. Pre-Qualification

- Contractors (A or B license) must be pre-qualified, through Quality Bidders, to bid this project. The MEP contractors must also be pre-qualified, through Quality Bidders, to bid this project. The Prequalification application period will end on November 20, 2023.

12. Underground utilities

- Contractor will be responsible for all UG locating services, pot-holing, and verifying depths.

13. Reference Drawings

The construction drawings are available at the following **Builders Exchanges**:
Construction Bidboard (Ebidboard) support@ebidboard.com

Dodge Data & Analytics support@construction.com

The San Francisco Builders Exchange deanna@bxofsf.com

Bay Area Builders Exchange info@bayareabx.com

AND

ARC Reprographics ARC San Carlos – Bid Services

Contact: Scott Braley

Tel: (650) 631-2310

Email: sancarlos@e-arc.com

The bidder is responsible for all printing, shipping and handling fees.

14. Bidding Documents (listed in Document 00 21 13)

- a. District's Bid Form (Document 00 41 13)
- b. Bid Bond or other security (Document 00 43 13)
- c. Designated Subcontractors List (Document 00 43 36)
- d. Site-Visit Certification (Document 00 45 01)
- e. Non-collusion Declaration (Document 00 45 19)
- f. Iran Contracting Act Certification (Document 00 45 22)

15. Questions?

Pre-Bid questions – submit to Judy Krall at HMC Architects at judy.krall@hmcarchitects.com and cc to Bob Price at rprice@smfcsd.net and Melany Ronzani at mronzani@smfcsd.net – include Parkside Montessori New MPR Building in the “subject line”

Thank You

PRE-BID CONFERENCE

San Mateo-Foster City School District
Parkside Montessori
1685 Eisenhower Street
San Mateo, CA

November 1, 2023 at 1:00 p.m.

NEW MPR BUILDING Bid No. 21-186

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- b. Alex Seefeldt – Senior Construction Administrator
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AND

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Tel: (650) 631-2310

Email: sancarlos@e-arc.com

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Thank You

**BID-OPENING
SIGN-IN SHEET**



PARKSIDE MONTESSORI MPR BUILDING

PROJECT NO. 21-186

10/25/2023

MANDATORY BID WALK TIME: 1:00 PM

COMPANY NAME		CONTACT INFORMATION	ADDRESS
1	Beals Martin	CONTACT: Brandon Ortmann	ADDRESS: 2596 Bay Rd Redwood City, CA 94063
		PHONE: (650) 364-8141	
		E-MAIL: brandon@bealsmartin.com	
2	HMC Architects	CONTACT: Judy Krall	ADDRESS: 333 W San Carlos St #750 San Jose, CA 95110
		PHONE: (408) 499-2695	
		E-MAIL: judy.Krall@hmcarchitects.com	
3	Gonsalves & Stronk	CONTACT: Keith Gonsalves	ADDRESS: 1000 Washington St San Carlos, CA 94070
		PHONE: (650) 802-2960	
		E-MAIL: keith@gs-construction.com	
4	CWS Construction Group Inc	CONTACT: Paige Chittenden	ADDRESS: 1301 Grant Ave, Suite B Novato, CA 94945
		PHONE: (415) 209-0229	
		E-MAIL: bidscws@gmail.com	
5	Argo Construction Inc	CONTACT: Rustam Magomedov	ADDRESS: 2304 Palmetto Ave Pacifica, CA 94044
		PHONE: (415) 877-0156	
		E-MAIL: bids@argoemail.com	
6	SC Builders Inc	CONTACT: Joe Ascolese	ADDRESS: 910 Thompson Place Sunnyvale, CA 94085
		PHONE: (408) 318-4405	
		E-MAIL: bids@scbuildersinc.com	
7	Rodan Builders Inc	CONTACT: Victor Marcelo	ADDRESS: 3486 Investment Blvd Hayward, CA 94545
		PHONE: (650) 868-6337	
		E-MAIL: bids@rodanbuilders.com	
8	Bana Builders	CONTACT: Quien Magsombol	ADDRESS: 338 North Canal St #11 South San Francisco, CA 94080
		PHONE: (415) 508-9253	
		E-MAIL: bids@banabuilders.com	

**BID-OPENING
SIGN-IN SHEET**



**PARKSIDE MONTESSORI MPR BUILDING
PROJECT NO. 21-186
10/25/2023
MANDATORY BID WALK TIME: 1:00 PM**

COMPANY NAME		CONTACT INFORMATION	ADDRESS
9	EF Brett	CONTACT: Adam Coll PHONE: (415) 524-8351 E-MAIL: estimator@efbrett.com	ADDRESS: 1435 Technology Ln #81 Petaluma, CA 94954
10	HMC Architects	CONTACT: Ha Pham PHONE: (908) 720-8028 E-MAIL: ha.pham@hmcarchitects.com	ADDRESS: 333 W San Carlos St #750 San Jose, CA 95110
11	Landmark Construction	CONTACT: Erik Cox PHONE: (916) 316-0883 E-MAIL: ecox@landmarkconst.net	ADDRESS: 4312 Anthony Ct, Suite B Rocklin, CA 95677
12	Sausal Corporation	CONTACT: Teena Singley PHONE: (925) 568-2200 E-MAIL: tsingley@sausal.net ; bids@sausal.net	ADDRESS: 3550 Willow Pass Rd Concord, CA 94519
13	Interstate Grading & Paving	CONTACT: Tina Mason PHONE: (650) 952- 7333 E-MAIL: tina@igpinc.com	ADDRESS: 128 S Maple Ave South San Francisco, CA 94080
14		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:
15		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:
16		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:
17		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:

**BID WALK
SIGN-IN SHEET**



**PARKSIDE MONTESSORI MPR BUILDING
PROJECT NO. 21-186
11/1/2023
MANDATORY BID WALK TIME: 1:00 PM**

COMPANY NAME		CONTACT INFORMATION	ADDRESS
1	Strawn	CONTACT: Don Teixeira PHONE: (650) 888-9599 E-MAIL:	ADDRESS: 1140 Pedro St #1 San Jose, CA 95126
2	Midstate Construction	CONTACT: Viraj Pandya PHONE: (707)762-3200 E-MAIL: bidroom@midstateconstruction.com	ADDRESS: 1180 Holm Road Petaluma, CA 94954
3	101 Builders Inc	CONTACT: Beborah Faughnan PHONE: (408) 842-3355 E-MAIL: debby@101buildersinc.com	ADDRESS: 10435 Monterey Rd Gilroy, CA 95020
4	Wickman Development and Construction	CONTACT: Carmen Olano/ Fawn Mccully PHONE: (415) 239-4500 E-MAIL: estimating@wickmandev.com	ADDRESS: 550 West Grand Ave Oakland, CA 94612
5	Buhler Commercial	CONTACT: Miguel Castellanos PHONE: (510) 998-4190 E-MAIL: miguel.castellanos@buhlercommercial.com	ADDRESS: 400 Brannan St #204 San Francisco, CA 94107
6		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:
7		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:
8		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:

**BID WALK
SIGN-IN SHEET**



**PARKSIDE MONTESSORI MPR BUILDING
PROJECT NO. 21-186
11/1/2023
MANDATORY BID WALK TIME: 1:00 PM**

	COMPANY NAME	CONTACT INFORMATION	ADDRESS
9		CONTACT: _____ PHONE: _____ E-MAIL: _____	ADDRESS:
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