fbt | architects

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TEXAS
COLORADO

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ADDENDUM #1 (76 Pages), August 23, 2024

RE: **Preschool Academy – Farmington Municipal School District**

FROM: **FBT Architects**
6501 Americas Pkwy NE Suite 300
Albuquerque, New Mexico 87110
505.883.5200

TO: **Prospective Offerors**

PREVIOUSLY ISSUED: None

The following revisions shall be incorporated into the Specifications and Drawings for the above-referenced project.

GENERAL CLARIFICATION

WAGE RATE APPROVAL: Attached approved wage rates for the project.

QUESTIONS FROM BIDDERS:

1. QUESTION: The keynote S37 calls out for 6' Omega gate. Can we quote Designmaster gates to match the fence?
    a. ANSWER: Yes, Designmaster has been included as a listed manufacturer. See specifications.

2. QUESTION: On sheet AS-101 keynote s 37 calls out a 6' Omega gate. This keynote points to the double swing gate in the 4' Designmaster line of fence. Can we quote a 4' Designmaster gate to match the fence?
    a. ANSWER: Yes, 4ft high gate is appropriate for that instance. Gate heights must match the fence height unless note otherwise.

3. QUESTION: On sheet AS-102 keynote S1 calls out for a Omega 4' x 6' single swing gate. This keynote points to the double swing gate in the 6' chain link line of fence. Can we quote a 6' chain link gate to match the fence?
    a. ANSWER: Yes, 6' ht chain link gate to match the fence.

4. QUESTION: There is not detail C5 AS-131
    a. ANSWER: Reference detail A5/AS-131 for gate details. Callout was removed from site plans.

SUBSTITUTION REQUESTS:

1. SECTION 09 2423 – Portland Cement Stucco. Manufacturer: FacadesXi

SPECIFICATIONS

ARCHITECTURE

1. Modified Section 00 7300 – Supplementary Conditions (Wage Rates)

2. Modified Section 10 2800 – Toilet & Bath Accessories.

3. Modified Section 32 3120 – Security Fences & Gates.

4. Modified Section 08 7100 – Door Hardware

DRAWING CLARIFICATIONS

CIVIL

1. C-100 – OVERALL GRADING & DRAINAGE PLAN
    a. ADDED Dumpster Enclosure.
    b. ADDED Concrete Retaining Wall

2. C-101 – ENLARGED WEST GRADING & DRAINAGE PLAN
    a. ADDED Dumpster Enclosure.
    b. ADDED Concrete Retaining Wall

3. C-103 – ENLARGED SOUTH GRADING AND DRAINAGE PLAN
    a. REVISED Parking Lot Entry & Exit Lanes

LANDSCAPE

4. L-101 – IRRIGATION PLAN
    a. REVISED Irrigation Plan Detail A1

5. LI-102 – IRRIGATION PLAN
    a. REVISED Irrigation Plan Detail A1

6. LI-103 – IRRIGATION PLAN
    a. REVISED Irrigation Plan Detail A1

7. LP-101 – PLANTING PLAN
    a. REVISED Planting Plan Detail A1
    b. REVISED Planting Legend

8. LP-102 – PLANTING PLAN
    a. REVISED Planting Plan Detail A1
    b. REVISED Planting Legend
    c. REVISED Keynotes

9. LP-103 – PLANTING PLAN
    a. REVISED Planting Plan Detail A1
    b. REVISED Planting Legend
    c. REVISED Keynotes

ACHITECTURE SITE

10. AS-100 – OVERALL SITE PLAN
    a. ADDED Trash Enclosure
    b. REVISED Fence Legend
    c. REVISED Keynotes S1, S31, S33, S37.

11. AS-101 – ENLARGED SITE PLAN
    a. ADDED Trash Enclosure
    b. REVISED Fence Legend
    c. REVISED Keynotes S1, S31, S33, S37, S51, S56, S57, S81.

12. AS-102 – ENLARGED SITE PLAN
    a. REVISED Keynotes S1, S31, S33, S37, S51, S56, S57, S81.

13. AS-103 – ENLARGED SITE PLAN
    a. REVISED Fence Legend
    b. REVISED Keynotes S1, S31, S33, S37, S51, S56, S57, S81.
    c. REVISED Parking Lot Entry & Exit Lanes

14. AS-131 – SITE PLAN DETAILS
    a. REVISED Detail B2

15. AS-132 – SITE PLAN DETAILS
    a. REVISED Detail A5, B1, B2, B4, B6.
    b. ADDED Exposed Concrete Legend

16. AS-133 – SITE PLAN DETAILS
    a. REVISED Detail A1, A3, A4, C1, C3
    b. ADDED Exposed Concrete Legend
    c. ADDED Hatch Legend

17. AS-134 – SITE PLAN DETAILS
    a. REVISED Detail A1, A2, B2, C3
    b. ADDED Detail C1, E1
    c. ADDED Exposed Concrete Legend
    d. ADDED Hatch Legend

18. AS-135 – SITE PLAN DETAILS
    a. REVISED Sheet Number
    b. REVISED Detail A1
    c. ADDED Detail C1
    d. ADDED Exposed Concrete Legend
    e. ADDED Hatch Legend

19. AS-136 – SITE PLAN DETAILS
    a. ADDED Exposed Concrete Legend
    b. ADDED Hatch Legend
    c. REVISED Detail A1, A2, A4, A5, C1 & C4

ARCHITECTURE

20. G-001 – COVER SHEET
    a. ADDED Sheet AS-136 to the index
    b. REMOVED Duplicate sheets ID-404, ID-407, ID-108

ELECTRICAL

21. E-701 – ELECTRICAL SCHEDULES
22. E-703 – PANEL SCHEDULES
23. ES-101 – ELECTRICAL SITE PLAN

All other provisions and conditions of the Drawings and Specifications remain unchanged.

PUBLIC WORKS PROJECT REQUIREMENTS

As a participant in a Public Works project valued at more than $60,000 in the state of New Mexico, the following list addresses many of the responsibilities that are defined by statute or regulation to each project stakeholder.

Contracting Agency

- Ensure that all contractors wishing to bid on a Public Works project when the project is $60,000 or more are actively registered with the Public Works and Apprenticeship Application (PWAA) website: http://www.dws.state.nm.us/pwaa (Contractor Registration) prior to bidding.
- Please submit Notice of Award (NOA) and Subcontractor List(s) to the PWAA website promptly after the project is awarded.
- Please update the Subcontractor List(s) on the PWAA website whenever changes occur.
- All sub-contractors and tiers (excluding professional services) regardless of contract amount must be listed on the Subcontractor List and must adhere to the Public Works Minimum Wage Act.
- Ninety days after project completion please go into the PWAA system and close the project. Only contracting agencies are allowed to close the project. Agents or contractors are not allowed to close projects.

General Contractor

- Provide a complete Subcontractor List and Statements of Intent (SOI) to Pay Prevailing Wages for all contractors, regardless of amount of work, to the contracting agency within 3 (three) days of award.
- Ensure that all subcontractors wishing to bid on a Public Works project have an active Contractor Registration with the Public Works and Apprenticeship Application (PWAA) website: http://www.dws.state.nm.us/pwaa prior to bidding when their bid will exceed $60,000.
- Make certain the Public Works Apprentice and Training Act contributions are paid either to an approved Apprenticeship Program or to the Public Works Apprentice and Training Fund.
- Confirm the Wage Rate poster, provided in PWAA, is displayed at the job site in an easily accessible place.
- When the project has been completed, make sure the Affidavits of Wages Paid (AWP) are sent to the contracting agency.
- All subcontractors and tiers (excluding professional services) regardless of contract amount must pay prevailing wages, be listed on the Subcontractor List, and adhere to the Public Works Minimum Wage Act.

LABOR RELATIONS DIVISION WWW.DWS.STATE.NM.US
401 Broadway NE Albuquerque, NM 87102

Phone: 505-841-4400
Fax: 505-841-4424

Subcontractor

- Ensure that all subcontractors wishing to bid on a Public Works project have an active Contractor Registration with the Public Works and Apprenticeship Application (PWAA) website: http://www.dws.state.nm.us/pwaa prior to bidding when their bid will exceed $60,000.
- Make certain the Public Works Apprentice and Training Act contributions are paid either to an approved Apprenticeship Program or to the Public Works Apprentice and Training Fund.
- All subcontractors and tiers (excluding professional services) regardless of contract amount must pay prevailing wages, be listed on the Subcontractor List, and adhere to the Public Works Minimum Wage Act.

Additional Information

Reference material and forms may be found in the New Mexico Department of Workforce Solutions Public Works web pages at: https://www.dws.state.nm.us/Labor-Relations/Labor-Information/Public-Works.

CONTACT INFORMATION

Contact the Labor Relations Division for any questions relating to Public Works projects by email at public.works@state.nm.us or call (505) 841-4400.

2024 SUBSISTENCE, ZONE, AND INCENTIVE PAY RATES

All contractors are required to pay subsistence, zone, and incentive pay according to the particular trade

Asbestos workers or heat and frost insulators

(1) Zone 1 shall consist of the area lying within the city limits of a circle whose radius is 66 miles from the city hall in Albuquerque or the city hall in El Paso - $0.00 per day.

(**2**) Zone 2 shall consist of Los Alamos county - $40.00 per day if not furnished a company owned vehicle.

(**3**) Zone 3 shall consist of the area lying beyond a circle whose radius is over 66 miles from the city hall in Albuquerque or the city hall in El Paso - $85.00 per day.

Boilermakers/Blacksmiths

(1) Per diem is calculated from city hall of the dispatch city or the employee's home address, whichever is closer to the job location,

(2) Per diem is $55.00 per day for travel between 70 and 120 miles and $85.00 per day for travel over 120 miles.

Bricklayers

(1) For Albuquerque area contractors, the starting point shall be at the intersection of I-40 and I-25 and shall continue to the job site. All other areas, the starting point shall be the employer's main office address.

(2) Between 50 and 75 miles from the starting point, $35.00 per day.

(3) 76 or more miles from the starting point, $55.00 per day.

(4) All covered refactory work over 75 miles from the intersection of I-40 and I-25, $80.00 per day.

Cement Masons

(1) For employees who travel to Santa Fe from Albuquerque or vice versa, $20.00 per day.

(2) In all other work performed more than 50 miles from the employer's main office, $50.00 per day.

(3) Mutually agreed-upon lodging or transportation paid for by the employer will substitute for subsistence pay.

Drywall Finishers and Tapers

(1) $40.00 per day ($5.00 per hour for eight hours work) for over 60 miles over the most typically traveled route, or other mutually agreed upon suitable lodging or transportation.

(2) If an employee has worked the full week on four 10-hour days, the employee shall be paid the full week of per diem of $200.00.

(3) Special provision for Santa Fe and Albuquerque: Employees who travel between Santa Fe and Albuquerque will be paid $15.00 per day or other mutually agreed upon lodging or transportation.

Electricians (inside classifications)

(1) For Albuquerque only:

- **(a)** Zone 1 is classified as being within 40 miles from the main post office.
- **(b)** Zone 2 shall extend up to 10 miles beyond zone 1. Work performed within zone 2 shall be compensated nine percent above the journeyman rate for zone 1.
- **(c)** Zone 3 shall extend up to 20 miles beyond zone 1. Work performed within zone 3 shall be compensated fifteen percent above the journeyman rate for zone 1.
- **(d)** Zone 4 shall extend 20 miles or more beyond zone 1. Work performed within zone 4 shall be compensated twenty six percent above the journeyman rate for zone 1.

(2) For Los Alamos County only: work performed within the county shall be compensated fifteen percent above the zone 1 journeyman rate.

(3) For all other counties:

- **(a)** Zone 1 is:
  - **(i)** within six miles from the main post office for Raton, Tucumcari, and Farmington.
  - **(ii)** within eight miles from the main post office for Las Vegas.
  - **(iii)** within ten miles from the main post office for Santa Fe and Gallup.
  - **(iv)** within twelve miles from the main post office for Belen, Carrizozo, Clovis, Los Lunas, Portales, Roswell, Ruidoso, Artesia, Carlsbad, Hobbs, and Lovington.
  - **(v)** within fourteen miles from the main post office for Espanola.
- **(b)** Zone 2 shall extend up to 20 miles beyond zone 1. Work performed within zone 2 shall be compensated nine percent above the journeyman rate for zone 1.

(c) Zone 3 shall extend up to 30 miles from zone 1. Work performed within zone 3 shall be compensated fifteen percent above the journeyman rate for zone 1.

(d) Zone 4 shall extend beyond 30 miles from zone 1. Work performed within zone 4 shall be compensated twenty six percent above the journeyman rate for zone 1.

(4) When workers are ordered to report to the shop and then to the job and from job to job, and return to the shop, they shall be paid for the time spent traveling and shall be furnished transportation by the Employer. Under these conditions the Zone 1 rate and any applicable overtime will be paid.

Electricians (outside classification)

Zone 2: $50.00 per diem to be paid for work 30 miles outside of Santa Fe and 60 miles outside of Albuquerque. No per diem in Los Alamos County.

Glaziers

(1) When out-of-town travel is required, the employer shall provide suitable lodging with no more than two people per room and $20.00 per night for food.

(2) Employees required to use a personal vehicle for travel to a jobsite beyond a 30 mile radius of the main post office in town where the employer's shop is located shall be compensated at the current Internal Revenue Service (IRS) rate for actual mileage incurred beyond the 30 mile radius, plus their regular rate of pay for travel time.

Ironworkers

(1) Travel more than 50 miles from the interchange of Interstate 40 and Interstate 25 or from the employee's home should be paid at $9.00 per hour.

(2) If travel is within Santa Fe County, travel time shall be paid at $3.00 per hour.

Laborers

(1) Type A:

(a) Work travel between 50 and 85 miles from the employer's primary address should be compensated at $3.50 per hour.

(b) Work travel 86 miles or greater from the employer's primary address should be compensated at $5.00 per hour.

(2) Types B and C:

(a) Work travel over 70 miles from the union halls of Albuquerque, Espanola, Farmington, or Las Cruces shall be paid at $7.00 per hour in travel pay, not to exceed 10 hours per day;

(b) If an overnight stay is necessary, the employer shall pay $40.00 per day for meals, in addition to travel pay.

(3) Type H – no zone subsistence pay:

(4) If an employer provides the employee transportation and mutually agreeable, suitable lodging with no more than two people in a room in areas where overnight stays are necessary, subsistence rates do not apply.

Millwrights

(1) All zone pay shall be calculated from the address of the city hall of the respective dispatch point.

(2) Zone 1: Work traveled up to 45 miles from the city hall of the respective dispatch points is a free zone.

(3) Zone 2: Work traveled between 45 miles and 100 miles shall be compensated at $4.00 per hour above base wage.

(4) Zone 3: Work traveled 101 miles or more shall be compensated at $6.00 per hour above base wage.

(5) If employer fails to provide suitable lodging, employer shall pay $110.00 per diem.

(6) If an employee's principal place of residence is within 45 road miles from the project, no subsistence or travel time shall be paid.

Operating Engineers

(1) Type A operators should be compensated for zone and subsistence as follows:

(a) Work travel between 50 and 85 miles from the interchange of Interstate 25 and Interstate 40 in Albuquerque, or from the Farmington City Hall in Farmington, should be compensated at $2.50 per hour.

(b) Work travel 86 miles or more from the interchange of Interstate 25 and Interstate 40 in Albuquerque or from the Farmington City Hall in Farmington, should be compensated at $4.00 per hour.

(2) Type B and C operators:

(a) Base points for operators are 30 miles and beyond:

(i) Bernalillo county courthouse in Albuquerque;

(ii) State capital building in Santa Fe;

(iii) City hall in Farmington.

(b) Zone and subsistence for Albuquerque, Santa Fe, and Farmington are as follows:

(i) work travel between 30 and 50 miles from the base point compensated at $20.00 per day;

(ii) work travel between 51 and 100 miles from the base point compensated at $50.00 per day;

(iii) work travel over 100 miles from the base point that involves an overnight stay compensated at $100.00 per day.

(c) Zone and subsistence for Los Alamos county, $100.00 per day. This takes precedence over the 50 mile radius for Santa Fe zone and subsistence.

(d) If an employer provides the employee transportation and mutually agreeable suitable lodging in area where overnight stays are necessary, subsistence rates do not apply.

(3) Type H operators are not eligible for zone and subsistence pay.

Painters

(1) When out-of-town travel is required, the employer shall provide suitable lodging with no more than two people per room and $30.00 per day for expenses.

(2) When out-of-town travel is required and employer and employer does not provide lodging, employer shall pay $100 per day for expenses, plus their regular rate of pay.

(3) Employees required to use a personal vehicle for travel to a jobsite beyond a 60-mile radius from their residence or the employer's shop, whichever is closest to the job, shall be compensated at the current IRS rate for actual mileage incurred beyond the 60-mile radius, plus their regular rate of pay for travel time.

(4) Employer shall furnish transportation or gasoline for all work performed beyond the 30-mile radius that encompasses the free cities of Albuquerque, Santa Fe, and Belen.

Paper hangers

(1) Zone 1: Base pay for an area within a 30 mile radius from the main post office in the city or town where the employee permanently resides. Albuquerque, Santa Fe, and Belen shall be considered Zone I.

(2) Zone 2: Work travel between 30 and 75 miles from the main post office in the town where an employee permanently resides shall be compensated at $1.00 per hour above base pay.

(3) Zone 3: Work travel 75 miles or more from the main post office in the town where an employee permanently resides shall be compensated at $2.50 per hour above base pay.

(4) When the employee is required to stay overnight, the employer should provide and pay for suitable lodging.

(**5**) Employer will furnish transportation or gasoline for all work performed beyond the 30 mile radius that encompasses the free cities of Albuquerque, Santa Fe or Belen.

Plasterers

(1) Employees who travel from Albuquerque to Santa Fe should be compensated at $20.00 per day.

(2) Except for employees who travel from Santa Fe to Albuquerque, work travel 75 miles or more from the employer's office over the most typically traveled route should be compensated at $5.00 per hour and capped at $40.00 per day.

Plumbers and pipefitters

(1) Work travel for 90 or more miles from an employee's primary residence, and involving an overnight stay, should be compensated at $80.00 per day.

(2) No zone or subsistence pay is required should the employer elect to cover the room cost.

Roofers

Work travel requiring an overnight stay should be compensated at $35.00 per day for food. Employer should provide and pay for a suitable hotel. When employees are assigned to jobs located 60 or more miles from the employer's place of business, transportation to and from the job site must be provided.

Sheet metal workers

(1) Work travel 90 miles or more from contractor's home base and employee's home, should be paid at $120.00 per day subsistence pay plus base and fringe, regardless of county.

(2) Los Alamos county: $2.00 per hour incentive pay plus base and fringe.

(3) Workers living 60 or more miles from a San Juan county job site receive $3.00 per hour subsistence pay plus base and fringe.

Soft floor layer

(1) Zone 1: Base pay for an area within a 30 mile radius from the main post office in the city or town where the employee permanently resides. Albuquerque, Santa Fe, and Belen shall be considered Zone I.

(2) Zone 2: Work travel between 30 and 75 miles from the main post office in the town where an employee permanently resides shall be compensated at $1.00 per hour above base pay.

(3) Zone 3: Work travel 75 miles or more from the main post office in the town where an employee permanently resides shall be compensated at $3.13 per hour above base pay.

(4) Employer will furnish transportation or gasoline for all work performed beyond the 30-mile radius that encompasses the free cities of Albuquerque, Santa Fe, or Belen.

(5) When the employee is directed to report to a job site and the distance to the job site requires the employee to stay out of town overnight, the employer shall provide housing arrangements for the affected employees.

Sprinkler fitters

(1) Work travel between 60 and 80 miles from the employee's primary residence should be compensated at $23.00 per day.

(2) Work travel between 81 and 100 miles from the employee's primary residence should be compensated at $33.00 per day.

(3) Work travel of 101 miles or more from the employee's primary residence should be compensated at $125.00 per day.

(4) No zone or subsistence pay shall be paid when the employer provides daily transportation and the employee elects to travel back and forth from home.

New Mexico Department of WORKFORCE SOLUTIONS

TYPE "B" – GENERAL BUILDING

Effective January 1, 2024

Trade Classification	Base Rate	Fringe Rate	Apprenticeship
Asbestos Workers/Heat and Frost insulators	35.86	12.46	0.60
Asbestos Workers/Heat and Frost insulators: Los Alamos County	38.29	12.46	0.60
Boilermaker/blacksmith	35.88	32.28	0.60
Boilermaker/blacksmith: San Juan County	36.83	31.88	0.60
Bricklayer/Block layer/Stonemason	27.03	10.99	0.60
Bricklayer/Block layer/Stonemason Curry, DeBaca, Quay and Roosevelt counties	23.10	8.98	0.60
Bricklayer/Block layer/Stonemason Dona Ana, Otero, Eddie and Lea counties	26.42	8.98	0.60
Carpenter/Lather	29.11	12.79	0.60
Carpenter: Los Alamos County	33.18	13.58	0.60
Millwright/pile driver	39.00	29.40	0.60
Cement Mason	24.31	11.16	0.60
Electricians-Outside Classifications: Zone 1			
Ground man	26.32	12.79	0.60
Equipment Operator	37.76	17.13	0.60
Lineman/technician	47.70	19.92	0.60
Cable Splicer	48.87	20.22	0.60

Electricians-Outside Classification: Zone 2			
Ground man	26.32	12.79	0.60
Equipment Operator	37.76	17.13	0.60
Lineman/technician	47.70	19.92	0.60
Cable Splicer	48.87	20.22	0.60
Electricians-Outside Classifications: Los Alamos County			
Ground man	27.07	12.81	0.60
Equipment Operator	38.85	17.17	0.60
Lineman/technician	48.95	20.24	0.60
Cable Splicer	53.75	21.44	0.60
Electricians-Inside Classifications: Zone 1			
Wireman/low voltage technician	38.30	12.60	0.60
Cable Splicer	42.13	12.71	0.60
Electricians-Inside Classification: Zone 2			
Wireman/low voltage technician	41.75	12.70	0.60
Cable Splicer	45.58	12.82	0.60
Electricians-Inside Classification: Zone 3			
Wireman/low voltage technician	44.05	12.72	0.60
Cable Splicer	47.88	12.89	0.60
Electricians-Inside Classification: Zone 4			
Wireman/low voltage technician	48.26	12.90	0.60
Cable Splicer	52.09	13.01	0.60
Electricians-Inside Classification: Dona Ana, Hidalgo, Luna and Otero Counties			
Wireman/low voltage technician	32.72	9.65	0.60
Cable splicer	32.72	9.65	0.60

Electricians-Inside Classification: Los Alamos County			
Wireman/low voltage technician	44.05	14.97	0.60
Cable Splicer	47.88	15.28	0.60
Elevator Constructor	49.77	39.19	0.60
Elevator Constructor Helper	34.84	39.19	0.60
Glazier/Fabricator	21.75	7.10	0.60
Glazier: Los Alamos county	21.75	7.10	0.60
Ironworker			
Ironworker Journeyman	28.49	18.71	0.60
Probationary Ironworker	22.79	18.71	0.60
Painter	21.00	5.75	0.60
Painter: Los Alamos county	31.18	11.50	0.60
Paper Hanger	21.00	5.75	0.60
Paper Hanger: Los Alamos county	32.06	11.50	0.60
Drywall Finisher/Taper - Light Commercial & Residential			
Ames tool operator	27.40	8.86	0.60
Hand finisher/machine texture	26.40	8.86	0.60
Drywall Finisher/Taper – Light Commercial & Residential: Los Alamos county	21.18	11.50	0.60
Plasterer	24.76	9.99	0.60
Plumber/Pipefitter	36.91	14.75	0.60
Roofer			
Roofer Journeyman	26.94	9.36	0.60
Roofer Helper	16.16	9.36	0.60
Sheet metal worker			
Zone 1	37.50	19.08	0.60
Zone 2 – Industrial	38.50	19.08	0.60
Zone 3 – Los Alamos County	39.50	19.08	0.60
Soft Floor Layer	21.00	9.20	0.60

Soft Floor Layer: Los Alamos county	31.20	11.62	0.60
Sprinkler Fitter	35.75	24.56	0.60
Tile Setter	24.46	8.81	0.60
Tile Setter Helper/Finisher	16.53	8.81	0.60
Laborers			
Group I- Unskilled	20.44	7.96	0.60
Group II – Semi-skilled	20.44	7.96	0.60
Group III- Skilled	21.44	7.96	0.60
Group IV - Specialty	23.69	7.96	0.60
Operators			
Group I	24.49	8.22	0.60
Group II	26.76	8.22	0.60
Group III	27.24	8.22	0.60
Group IV	27.70	8.22	0.60
Group V	27.90	8.22	0.60
Group VI	28.12	8.22	0.60
Group VII	28.23	8.22	0.60
Group VIII	31.43	8.22	0.60
Group IX	33.94	8.22	0.60
Group X	37.51	8.22	0.60
Truck Drivers			
Group I-VII	16.65	8.27	0.60
Group VIII	16.71	8.27	0.60
Group IX	18.65	8.27	0.60

NOTE: All contractors are required to pay SUBSISTENCE, ZONE AND INCENTIVE PAY according to the particular trade. Details are located in a PDF attachment at WWW.DWS.STATE.NM.US. Search Labor Relations/Labor Information/Public Works/Prevailing Wage Rates.

For more information about the Subsistence, Zone, and Incentive Pay rates, or to file a wage claim, contact the Labor Relations Division at (505) 841-4400 or visit us online at www.dws.state.nm.us.

LABOR RELATIONS DIVISION
401 Broadway NE
Albuquerque, NM 87102
Phone: 505-841-4400
Fax: 505-841-4424

226 South Alameda Blvd
Las Cruces, NM 88005
Phone: 575-524-6195
Fax: 575-524-6194

WWW.DWS.STATE.NM.US

Wage Decision Approval Summary

1) Project Title: Preschool Academy
Requested Date: 08/14/2024
Approved Date: 08/19/2024
Approved Wage Decision Number: SJ-24-2682-B

Wage Decision Expiration Date: 12/17/2024

2) Physical Location of Jobsite for Project:
Job Site Address: 5840 Fortuna Dr
Job Site City: Farmington
Job Site County: San Juan

3) Contracting Agency Name (Department or Bureau): Farmington Municipal Schools
Contracting Agency Contact's Name: Lisa Leaker
Contracting Agency Contact's Phone: (505) 324-9840 Ext. 1507

4) Estimated Contract Award Date: 10/27/2023

5) Estimated total project cost: $27,003,080.00
a. Are any federal funds involved?: No
b. Does this project involve a building?: Yes - Construction of a new 51,929 SF two-story facility that will accommodate 720 full time preschool students. The project is located at 5840 Fortuna Dr, in Farmington New Mexico. The Project will include all work associated with ground-up construction, off-street parking, bus loop, grading and drainage, landscaping, playgrounds and demolition work of the existing preschool.
c. Is this part of a larger plan for construction on or appurtenant to the property that is subject to this project?: No
d. Are there any other Public Works Wage Decisions related to this project?: No
e. What is the ultimate purpose or functional use of the construction once it is completed?: The project once completed will be used as an education facility that accommodates 720 full time Pre-K students.

6) Classifications of Construction:

Classification Type and Cost Total	Description
General Building (B) **Cost:** $27,003,080.00	Construction of a new 51,929 SF two-story facility that will accommodate 720 full time preschool students. The project is located at 5840 Fortuna Dr, in Farmington New Mexico. The Project will include all work associated, but not limited to, ground-up construction, off-street parking, bus loop, grading and drainage, landscaping, playgrounds, water retention pond and demolition work of the existing preschool. The building will include concrete foundations and site retaining walls. The construction is steel frame construction with a PVC roof. The building will also include an elevator serving 3 levels, mechanical, electrical and plumbing systems that serve 1 kitchen, all classrooms and remaining building spaces. Interiors include new

	ceilings, floors and wall finishes, casework at each classroom, restrooms and audiovisual equipment.

SECTION 10 2800 - TOILET & BATH ACCESSORIES - PSAE

PART 1 - GENERAL

1.1 SECTION INCLUDES

A. Accessories for toilet rooms.

B. Grab bars

1.2 RELATED SECTIONS

A. Section 102113 - Toilet Compartments.

1.3 REFERENCES

The references listed below are declared to be a part of these specifications, the same as if fully set forth, except as modified herein. Unless specifically stated otherwise, the edition or revision of each document in effect at the beginning of work on this project shall be used.

A. ASTM A 123/A 123M - Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products.

B. ASTM A 269 - Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service.

C. ASTM A 653/A 653M - Standard Specification for Steel Sheets, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process.

D. ASTM A 666 - Standard Specification for Annealed or Cold-Worked Austenitic Stainless Steel Sheet, Strip, Plate, and Flat Bar.

E. ASTM B 456 - Standard Specification for Electrodeposited Coatings of Copper Plus Nickel Plus Chromium and Nickel Plus Chromium.

F. ASTM C 1036 - Standard Specification for Flat Glass.

G. FS DD-M-411 - Mirrors, Glass; Federal Specifications and Standards.

1.4 SUBMITTALS

A. See Section 013300 - Submittals, for submittal procedures.

B. Product Data: Provide data on accessories describing size, finish, details of function, attachment methods.

C. Manufacturer's Installation Instructions: Indicate special procedures and conditions requiring special attention.

1.5 COORDINATION

A. Coordinate the work with the placement of internal wall reinforcement, concealed ceiling supports, and reinforcement of toilet partitions to receive anchor attachments.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Products listed are made by Bobrick Washroom Equipment, Inc. All specifications for basis of design product must be met.

B. Other Acceptable Manufacturers:
   1. American Specialties, Inc.
   2. Bobrick Washroom Equipment, Inc.
   3. Bradley Corp.
   4. Substitutions: Section 01630 - Product Options and Substitutions.

C. All items of each type to be made by the same manufacturer.

2.2 MATERIALS

A. Accessories - General: Shop assembled, free of dents and scratches and packaged complete with anchors and fittings, steel anchor plates, adapters, and anchor components for installation.
   1. Grind welded joints smooth.
   2. Fabricate units made of metal sheet of seamless sheets, with flat surfaces.

B. Keys: Provide two (2) keys for each accessory to Owner; master key all lockable accessories.

C. Stainless Steel Sheet: ASTM A 666, Type 304.

D. Stainless Steel Tubing: ASTM A 269.

E. Galvanized Sheet Steel: ASTM A 653/A 653M, G90/Z275.

F. Mirror Glass: Float glass, Type I, Class 1, Quality q2 (ASTM C 1036), with silvering, copper coating, and suitable protective organic coating to copper backing in accordance with FS DD-M-411.

G. Adhesive: Two component epoxy type, waterproof.

H. Fasteners, Screws, and Bolts: Hot dip galvanized, tamper-proof, security type.

I. Expansion Shields: Fiber, lead, or rubber as recommended by accessory manufacturer for component and substrate.

2.3 FINISHES

A. Stainless Steel: No. 4 satin brushed finish, unless otherwise noted.

B. Chrome/Nickel Plating: ASTM B 456, SC 2, satin finish, unless otherwise noted.

C. Baked Enamel: Pre-treat to clean condition, apply one coat primer and minimum two coats epoxy baked enamel.

D. Galvanizing for Items other than Sheet: ASTM A 123/A 123M to 1.3 oz/sq yd. Galvanize ferrous metal and fastening devices.

E. Back paint components where contact is made with building finishes to prevent electrolysis.

2.4 TOILET ROOM ACCESSORIES

1. Surfaced Mounted Roll-Paper-Towel Dispenser
   a. Owner Provided. Contractor Installed.
2. Surface Mounted Soap dispenser –
   a. Owner Provided. Contractor Installed.
3. Round LED Mirror.
   a. 24” Eurofase 37140 (dimension and installing heights as shown on drawings)
4. Grab Bars - Stainless steel, non-slip grasping surface finish, concealed flange mounting; 1-1/2 inches clearance between wall and inside of grab bar.
   a. Bobrick B-6806 (dimensions as shown on drawings)
5. Surface Mounted Sanitary Napkin Disposal – Type 304 stainless steel with all-welded construction. Satin Finish.
   a. Bobrick B-254
6. Surface Mounted Multi-Roll Toilet Tissue Dispenser
   a. Owner Provided. Contractor Installed.
7. Baby Changing Station – Type 304 stainless steel. Satin Finish. Molded high-density polyethylene with Micorban antimicrobial interior.
   a. Koala Kare Products KB110-SSWM
8. Mop Rack: Type 304 Stainless Steel with satin finish, 24” long with three (3) holders, spring loaded rubber cam holders.
   a. Product: B-223 manufactured by Bobrick.
9. Baby Changing Station – Countertop Recessed Mounted. Thermoformed high-density polyethylene.
   a. Koala Kare Products KB112-01RE

PART 3 - EXECUTION

A. Verify existing conditions before starting work.

B. Verify exact location of accessories for installation.

C. Verify that field measurements are as indicated on drawings.

D. See Section 06 1000 for installation of blocking, reinforcing plates, and concealed anchors in walls and ceilings.

3.2 PREPARATION

A. Deliver inserts and rough-in frames to site for timely installation.

B. Provide templates and rough-in measurements as required.

3.3 INSTALLATION

A. Install accessories in accordance with manufacturers' instructions.

B. Install plumb and level, securely and rigidly anchored to substrate.

C. Mounting Heights and Locations: As required by accessibility regulations and as indicated on drawings:

END OF SECTION 10 2800

SECTION 32 3120 – SECURITY FENCE AND GATES

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:
   1. Steel welded wire fences.
   2. Steel welded wire gates.
   3. Concrete post foundations.

B. Related Sections:
   1. Division 01: Administrative, procedural, and temporary work requirements.
   2. Section 03 3000 - Cast-In-Place Concrete.
   3. Section 31 2300 - Excavation and Fill.

1.2 REFERENCES

A. ASTM International (ASTM):
   1. A185/A185M - Standard Specification for Steel Welded Wire Reinforcement, Plain, for Concrete.
   2. A641/A641M - Standard Specifications for Zinc-Coated (Galvanized) Carbon Steel Wire.
   3. B117 - Standard Practice for Operating Salt Spray (Fog) Apparatus.
   4. C94 - Standard Specification for Ready-Mixed Concrete.
   5. D3359 - Standard Practice for Measuring Adhesion by Tape Test.

B. Miami-Dade County
   1. High Velocity Hurricane Zone Certification.

1.3 SUBMITTALS

A. Submittals for Review:
   1. Shop Drawings: Indicate fence locations, post spacing, system components, and accessories.
   2. Product Data: Manufacturer's descriptive data.
   3. Samples:
      i. 12 x 12 inch fence panel samples.
      ii. 12 inch long post samples.
      iii. Cap and bracket samples.

1.4 QUALITY ASSURANCE

A. Installer Qualifications: Minimum 2 years documented experience in work of this Section.

B. Mockup:
      i. Size: Minimum 16 feet long x full height.
      ii. Show: Fence posts, panels, and accessories.
      iii. Locate where directed during construction.
      iv. Approved mockup may remain as part of the Work.

1.5 WARRANTIES

A. Furnish manufacturer's warranty providing coverage against corrosion of galvanized steel coatings and blistering or loosening of powder coatings.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

A. Omega Two Fance Systems: Architectural
B. Designmaster Fence System: Classic
C. Substitutions: By prior approval under provisions of Division 01.

2.2 COMPONENTS

A. Fence Panels:
   1. Resistance welded steel wire mesh, ASTM A185/A185M, 6 gauge Class 1 galvanized steel wire per ASTM A641/A641M, 2 x 6 inch mesh, stiffened with horizontal V-shaped braces.
      i. Height: 4 feet & 6 feet, locations shown on drawings.
      ii. Wire breaking load: Minimum 80,000 PSI.
      iii. Weld shear strength: Minimum 1,050 pounds.

B. Posts:
   1. Galvanized steel tube, ASTM A513/A787, G60 coating class, 2¼ x 2¼ inches, 16 gauge.
   2. Length: To suit panel height and post mounting method.
   3. Post caps: Ultraviolet-protected plastic, sized to post dimensions, friction fit.
   4. Post bases: Steel plate bolted to bottom of posts, with four plated steel anchor bolts per base.

C. Post Brackets:
   1. Galvanized steel and powder coated, sized to post dimensions, with a 1¼" galvanized nut and bolt.

D. Gates:
   1. Provide gates of type and size indicated on Drawings. Equip gates with manufacturer's standard hardware as required for complete functional operation.
   2. Type: Hinged swinging single and double gate.
   3. Construction: As provided by the Manufacturer.
   4. Nominal size: As specified on the Drawings.
   5. Hardware:
      a. Hinges: Size and type as determined by manufacturer. Provide 2 hinges for each leaf up to 6 feet high and 1 additional hinge for each additional 24 inches in height or fraction thereof.
      b. Latch: To be provided by hardware specification.

   2. Coordinate provision of gates with electric operator specified in Part 2.5 - Gate Operator to ensure size, weight, and design of gate is compatible with operator.

2.3 ACCESSORIES

A. None

2.4 FINISHES

A. Fence Panels and Posts:
   1. Polyester powder coated to approximately 4 mils thickness, free of both Triglycidyl Isocyanurate (TGIC) and Volatile Organic Compounds, Black color.
   2. Salt spray resistance: No rusting or blistering tested to ASTM B117 for 1000 hours.
   3. Adhesion: Tested to ASTM D3359, Method B.

PART 3 - EXECUTION

3.1 INSTALLATION

A. Install fencing in accordance with manufacturer's instructions and approved Shop Drawings.
B. Drill post holes into undisturbed or compacted soil in accordance with local building codes.
    i. See drawings for additional mounting requirements at concrete walls.
C. Set posts with bottom hole in accordance with local building codes.
D. Place concrete around posts in accordance with local building codes.
E. Pour top of footings in accordance with local building codes.

3.2 INSTALLATION TOLERANCES

A. Maximum Variation from Plumb: ¼ inch in 10 feet.
B. Maximum Offset from True Position: 1 inch.

END OF SECTION

SECTION 08 71 00 – DOOR HARDWARE

PART 1 - GENERAL

1.01 SUMMARY

A. Section includes: Mechanical and electrified door hardware

B. Related Sections:

1. Division 01 Section “Alternates” for alternates affecting this section.
2. Division 06 Section “Rough Carpentry”
3. Division 06 Section "Finish Carpentry”
4. Division 08 sections for doors and frames with hardware specified in this section.
5. Division 26 “Electrical” sections for connections to electrical power system and for low-voltage wiring.
6. Division 28 “Electronic Safety and Security” sections for coordination with other components of electronic access control system and fire alarm system.

1.02 REFERENCES

A. UL, LLC

1. UL 10B - Fire Test of Door Assemblies
2. UL 10C - Positive Pressure Test of Fire Door Assemblies
3. UL 1784 - Air Leakage Tests of Door Assemblies
4. UL 305 - Panic Hardware

B. DHI - Door and Hardware Institute

1. Sequence and Format for the Hardware Schedule
2. Recommended Locations for Builders Hardware
3. Keying Systems and Nomenclature
4. Installation Guide for Doors and Hardware

C. NFPA – National Fire Protection Association

1. NFPA 70 – National Electric Code
2. NFPA 80 – 2016 Edition – Standard for Fire Doors and Other Opening Protectives
3. NFPA 101 – Life Safety Code
4. NFPA 105 – Smoke and Draft Control Door Assemblies
5. NFPA 252 – Fire Tests of Door Assemblies

D. ANSI - American National Standards Institute

1. ANSI A117.1 – 2017 Edition – Accessible and Usable Buildings and Facilities
2. ANSI/BHMA A156.1 - A156.29, and ANSI/BHMA A156.31 - Standards for Hardware and Specialties
3. ANSI/BHMA A156.28 - Recommended Practices for Keying Systems
4. ANSI/WDMA I.S. 1A - Interior Architectural Wood Flush Doors
5. ANSI/SDI A250.8 - Standard Steel Doors and Frames

1.03 SUBMITTALS

A. Submit in accordance with Conditions of Contract and Division 01 Submittal Procedures.

1. Product Data: Submit technical product data for each item of door hardware, installation instructions, maintenance of operating parts and finish, and other information necessary to show compliance with requirements.
2. Riser and Wiring Diagrams: After final approval of hardware schedule, submit details of electrified door hardware, indicating:
3. Door Hardware Schedule: Submit with hardware sets in vertical format as illustrated by Sequence of Format for the Hardware Schedule published by DHI. Indicate complete designations of each item required for each door or opening, include all notes and operational descriptions from hardware groups.
4. Key Schedule: After Keying Conference, provide keying schedule that includes levels of keying, explanations of key system's function, key symbols used, and door numbers controlled. Use ANSI/BHMA A156.28 “Recommended Practices for Keying Systems” as guideline for nomenclature, definitions, and approach for selecting optimal keying system.
5. Templates: After final approval of hardware schedule, provide for doors, frames and other work specified to be factory or shop prepared for door hardware installation.

1.04 QUALITY ASSURANCE

A. Qualifications:

1. Supplier: Recognized architectural hardware supplier with record of successful in-service performance for supplying door hardware similar in quantity, type, and quality to that indicated for this Project.
2. Installer: Qualified tradesperson skilled in the application of commercial grade hardware with experience installing door hardware similar in quantity, type, and quality as indicated for this Project.

B. Certifications:

1. Fire-Rated Door Openings: Provide door hardware for fire-rated openings that complies with NFPA 80, UL 10C, and requirements of authorities having jurisdiction.
2. Smoke and Draft Control Door Assemblies: Provide door hardware that meets requirements of assemblies tested according to UL 1784 and NFPA 105.
3. Accessibility Requirements: This project must comply with all Federal Americans with Disability Act regulations and all Local Accessibility Regulations.

C. Pre-Installation Meetings

1. Keying Conference: Incorporate keying conference decisions into final keying schedule after reviewing door hardware keying system including:

1.05 DELIVERY, STORAGE, AND HANDLING

A. Inventory door hardware on receipt and provide secure lock-up for hardware delivered to Project site. Promptly replace products damaged during shipping. Deliver keys to manufacturer of key control system for subsequent delivery to Owner

B. Handle hardware in manner to avoid damage, marring, or scratching. Correct, replace or repair products damaged during Work. Protect products against malfunction due to paint,

solvent, cleanser, or any chemical agent. Maintain manufacturer-recommended environmental conditions throughout storage and installation periods.

1.06 COORDINATION

A. Installation Templates: Distribute for doors, frames, and other work specified to be factory or shop prepared. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing door hardware to comply with indicated requirements.

PART 2 - PRODUCTS

2.01 MANUFACTURERS

A. Provide products from manufacturers listed in hardware groups. Additional alternate products require prior written approval from Owner and are contingent upon those products providing all functions, features, and meeting all requirements of scheduled manufacturer’s product.

2.02 MATERIALS

A. Provide hardware with options specified in the hardware sets, fasteners provided by hardware manufacturer, strikes provided by hardware manufacturer, drop plates, special templates, and other devices necessary for proper hardware installation.

B. Provide necessary fillers, Dutchmen, reinforcements, and fasteners, compatible with existing materials, as required for mounting new opening hardware and to cover existing door and frame preparations. When modifying existing fire-rated openings, provide materials permitted by NFPA 80 as required to maintain fire-rating.

2.03 HINGES: IVES 5BB SERIES

A. Provide 5-knuckle plain bearing hinges conforming to ANSI/BHMA A156.1. Provide hinges in the size, quantity, weight, and base metal according to manufacturer’s published recommendations. Provide non-removable pins at out-swinging lockable doors. Adjust hinge width as required for door, frame, and wall conditions to allow proper degree of opening.

1. Acceptable Substitutes: Hager BB Series, Stanley FBB Series

2.04 ELECTRIC POWER TRANSFER: VON DUPRIN EPT-10 SERIES

A. Provide with number and gage of wires enough to accommodate electric function of specified hardware. Locate per manufacturer’s template and UL requirements, unless interference with operation of door or other hardware items.

1. Acceptable Substitutes: None – Owner’s Standard

2.05 FLUSH BOLTS: IVES

A. Provide 12 inch (305 mm) steel or brass rods at doors up to 90 inches (2286 mm) in height. For doors over 90 inches (2286 mm) in height increase top rods by 6 inches (152 mm) for each additional 6 inches (152 mm) of door height. Provide dust-proof strikes at each bottom flush bolt.

1. Acceptable Substitutes: Trimco, Don-Jo

2.06 CYLINDRICAL LOCKS: SCHLAGE ND SERIES

A. Provide cylindrical locks conforming to ANSI/BHMA A156.2 Series 4000, Grade 1, and UL Listed for 3-hour fire doors. Provide locksets with separate anti-rotation thru-bolts, and no exposed screws. Prove all locks in Vandlgard functions as listed in hardware sets.

1. Acceptable Substitutes: None – Owner's Standard

2.07 EXIT DEVICES: VON DUPRIN 99/33A SERIES

A. Provide grooved touchpad exit devices tested to ANSI/BHMA A156.3 Grade 1 and UL listed for Panic Exit or Fire Exit Hardware. Touchpad must extend a minimum of one half of door width. Provide exit devices cut to door width and height with flush end caps. Install exit devices at height recommended by exit device manufacturer, allowable by governing building codes, and approved by Architect. Mount mechanism case flush on face of doors or provide spacers to fill gaps behind devices. Provide exit devices with optional trim designs to match other lever and pull designs used on the project.

1. Acceptable Substitutes: None – Owner's Standard

2.08 ELECTRIC STRIKES: VON DUPRIN 6000 SERIES

A. Provide electric strikes designed for use with type of locks shown at each opening, UL Listed as burglary resistant and tested to a minimum endurance test of 1,000,000 cycles. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor. Provide lock astragals for all exterior doors with electric strikes as listed in hardware sets.

1. Acceptable Substitutes: HES 1006 Series, Folger Adam 300 Series

2.09 ELECTRIC STRIKES: VON DUPRIN 4200 SERIES

A. Provide electric strikes designed for use with type of locks shown at each opening, dual voltage, field selectable fail-safe and fail-secure, and tested to endure a minimum of 500,000 cycles. Provide transformers and rectifiers for each strike as required. Verify voltage with electrical contractor. Provide lock astragals for all exterior doors with electric strikes as listed in hardware sets.

1. Acceptable Substitutes: None – Owner's Standard

2.10 POWER SUPPLIES: SCHLAGE/VON DUPRIN PS900 SERIES

A. Provide appropriate quantity of power supplies necessary for proper operation of electrified locking components as recommended by manufacturer of electrified locking components with consideration for each electrified component using power supply, location of power supply, and approved wiring diagrams. Locate power supplies as directed by Architect.

1. Acceptable Substitutes: Dynalock 5000 Series, Locknetics LP Series

2.11 CYLINDERS / KEYING:

A. Keying: All cylinders shall be supplied 1-bit for FSIC and 0-Bit for Lever Cylinders in “FG" keyway as directed by the Locksmith for Farmington Municipal Schools.

B. Final keying by Farmington Schools locksmith.

C. Keys: Nickel silver. Stamp keys with “DO NOT DUPLICATE”.

1. Supply keys in the following minimum quantities:

a. 3 control keys.
b. 3 change keys for each lock / cylinder.

2.12 KEY CONTROL SYSTEM: TELKEE

A. Provide key control system, including envelopes, labels, tags with self-locking key clips, receipt forms, 3-way visible card index, temporary markers, permanent markers, and standard metal cabinet, all as recommended by system manufacturer, with capacity for 150% of number of locks required for Project. Provide complete cross index system set up by hardware supplier, and place keys on markers and hooks in cabinet as determined by final key schedule.

1. Acceptable Substitutes: HPC, Lund

2.13 SURFACE CLOSERS: LCN 4000 HANDED SERIES

A. Provide cast iron door closers conforming to ANSI/BHMA A156.4 Grade 1 requirements by BHMA certified independent testing laboratory. Certify surface mounted mechanical closers to meet fifteen million (15,000,000) full load cycles. Provide parallel arm, top jamb, and regular arm mount closers as listed in the hardware sets. Provide Through Bolts at all wood door applications and machine screw mounting only at Aluminum doors. Wood screws are not acceptable for mounting closers to aluminum doors and frames.

1. Acceptable Substitutes: None – Owner’s Standard

2.14 ELECTRO-MECHANICAL AUTOMATIC OPERATORS: LCN SENIOR SWING SERIES

A. Provide low energy automatic operator units that are electro-mechanical design complying with ANSI/BHMA A156.19. Locate actuators and other controls as directed by Architect.

1. Acceptable Substitutes: None – Owner’s Standard

2.15 DOOR TRIM: IVES

A. Provide push plates, push bars, pull plates, pulls, and hands-free reversible door pulls with diameter and length as scheduled.

1. Acceptable Substitutes: Trimco, Burns

2.16 PROTECTION PLATES: IVES

A. Provide protection plates with beveled four edges as scheduled. Size plates 2 inches (51 mm) less width of door on single doors, pairs of doors with a mullion, and doors with edge guards. Size plates 1 inch (25 mm) less width of door on pairs without a mullion or edge guards. At fire rated doors, provide protection plates over 16 inches high with UL label.

1. Acceptable Substitutes: Trimco, Burns

2.17 OVERHEAD STOPS AND OVERHEAD STOP/HOLDERS: GLYNN-JOHNSON

A. Provide overhead stop at doors where specified and where conditions do not allow for a wall stop or floor stop presents tripping hazard.

1. Acceptable Substitutes: Sargent, ABH

2.18 DOOR STOPS AND HOLDERS: IVES

A. Provide door stops at each door leaf. Provide wall stops wherever possible. Provide concave type where lockset has a push button of thumbturn. Where a wall stop cannot be used, provide universal floor stops. Where wall or floor stop cannot be used, provide overhead stop. Provide roller bumper where doors open into each other and overhead stop cannot be used.

1. Acceptable Substitutes: Trimco, Burns

2.19 THRESHOLDS, WEATHERSTRIPPING, AND GASKETING: NATIONAL GUARD PRODUCTS

A. Provide thresholds, weather-stripping, and gasketing systems as specified and per architectural details. Match finish of other items. Where smoke- and draft-control door assemblies are required, provide door hardware that meets requirements of assemblies tested according to UL 1784 and installed in compliance with NFPA 105.

1. Acceptable Substitutes: Pemko

2.20 SILENCERS: IVES

A. Provide "push-in" type silencers for hollow metal or wood frames. Provide one silencer per 30 inches (762 mm) of height on each single frame, and two for each pair frame. Omit where gasketing is specified.

1. Acceptable Substitutes: Burns, Don-Jo

2.21 DOOR POSITION SWITCHES: SCHLAGE

A. Provide door position switches as specified. Coordinate door and frame preparations with door and frame suppliers.

1. Acceptable Substitutes: GE-Interlogix, Sargent

2.22 LATCH PROTECTORS: IVES

A. Provide stainless steel latch protectors of type required to function with specified lock.

1. Acceptable Substitutes: Trimco, Don-Jo

2.23 FINISHES

A. Provide hardware with finishes as indicated in hardware sets.

PART 3 - EXECUTION

3.01 EXAMINATION

A. Prior to installation of hardware, examine doors and frames, with Installer present, for compliance with requirements for installation tolerances, labeled fire-rated door assembly construction, wall and floor construction, and other conditions affecting performance. Verify doors, frames, and walls have been properly reinforced for hardware installation. Examine roughing-in for electrical power systems to verify actual locations of wiring connections before electrified door hardware installation. Submit a list of deficiencies in writing and proceed with installation only after unsatisfactory conditions have been corrected.

B. Field verify existing doors and frames receiving new hardware and existing conditions receiving new openings. Verify that new hardware is compatible with existing door and frame preparation and existing conditions.

3.02 PREPARATION

A. Where on-site modification of doors and frames is required, prepare hardware locations and reinstall in accordance with installation requirements for new door hardware and with:

1. Steel Doors and Frames: For surface applied door hardware, drill and tap doors and frames according to ANSI/SDI A250.6.
2. Wood Doors: DHI WDHS.5 "Recommended Hardware Reinforcement Locations for Mineral Core Wood Flush Doors." Provide through bolts for panics and door closers.
3. Doors in rated assemblies: NFPA 80 for restrictions on on-site door hardware preparation.

3.03 INSTALLATION

A. Mount door hardware units at heights to comply with the following, unless otherwise indicated or required to comply with governing regulations.

1. Standard Steel Doors and Frames: ANSI/SDI A250.8.
2. Custom Steel Doors and Frames: HMMA 831.
3. Interior Architectural Wood Flush Doors: ANSI/WDMA I.S. 1A
4. Installation Guide for Doors and Hardware: DHI TDH-007-20

B. Install door hardware in accordance with NFPA 80, NFPA 101 and provide post-install inspection, testing as specified in section 1.03.E unless otherwise required to comply with governing regulations.

C. Install hardware in compliance with manufacturer's instructions and recommendations, using only fasteners provided by manufacturer. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate as necessary for proper installation and operation.

D. Coordinate Division 26, ELECTRICAL and Division 28 ELECTRONIC SAFETY AND SECURITY sections for wiring and connections of related components.

E. Key Control System: Tag keys and place them on markers and hooks in key control system cabinet, as determined by final keying schedule.

F. Door Closers: Mount closers on room side of corridor doors, inside of exterior doors, and stair side of stairway doors from corridors. Mount closers so they are not visible in corridors, lobbies and other public spaces unless approved by Architect.

G. Stops: Do not mount floor stops where they may impede traffic or present tripping hazard.

3.04 FIELD QUALITY CONTROL

A. Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

B. Clean adjacent surfaces soiled by door hardware installation. Clean operating items per manufacturer's instructions to restore proper function and finish. Provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of Substantial Completion.

3.05 DOOR HARDWARE SCHEDULE

A. The intent of the hardware specification is to specify the hardware for interior and exterior doors, and to establish a type, continuity, and standard of quality. However, it is the door hardware supplier's responsibility to thoroughly review existing conditions, schedules, specifications, drawings, and other Contract Documents to verify the suitability of the hardware specified.

B. Discrepancies, conflicting hardware, and missing items are to be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application.

C. Hardware items are referenced in the following hardware schedule. Refer to the above specifications for special features, options, cylinders/keying, and other requirements.

D. Hardware Sets:

Abbreviation	Name
GLY	Glynn-Johnson Corp
IVE	H.B. Ives
LCN	LCN Commercial Division
NGP	National Guard Products Inc
SCE	Schlage Electronic Security
SCH	Schlage Lock Company
VON	Von Duprin

Legend:
Link to catalog cut sheet
Electrified Opening

HARDWARE SET: 01

DOOR NUMBER:
001

EACH TO HAVE:

6	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	REMOVABLE MULLION	KR4954-STAB-ANGLE PLATE		689	VON
1	EA	PANIC HARDWARE	99-DT		626	VON
1	EA	PANIC HARDWARE	99-NL		626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	MORTISE CYLINDER	20-061		626	SCH
2	EA	SURFACE CLOSER	4021		689	LCN
2	EA	FLUSH CEILNG MTG PLATE	4020-18G SRT		689	LCN
2	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	MULLION SEAL	5100N X D.H.		BLK	NGP
2	EA	DOOR SWEEP	200NA X D.W.		AL	NGP
1	EA	THRESHOLD	425E X D.W.		AL	NGP
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			
2	EA	HAIRPIN STOP	BY OTHERS AS REQ'D - SEE FLOOR PLAN FOR LOCATIONS			

HARDWARE SET: 02

DOOR NUMBER:
002

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	POWER TRANSFER	EPT10		689	VON
1	EA	ELEC PANIC HARDWARE	LX-RX-QEL-99-NL 24 VDC		626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)		ANCL R	LCN
1	EA	ROCKER SWITCH	8310-806R (ON/OFF/HOLD-OPEN)			LCN
2	EA	ACTUATOR, TOUCH	8310-856 OR 8310-818 AS REQ'D		630	LCN
1	EA	MOUNTING PLATE	9540-18 40 "		ANCL R	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	DOOR SWEEP	200NA X D.W.		AL	NGP
1	EA	THRESHOLD	425E X D.W.		AL	NGP
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D		BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC		LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER			
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			
1	EA	HAIRPIN STOP	BY OTHERS AS REQ'D - SEE FLOOR PLAN FOR LOCATIONS			

DOOR NORMALLY CLOSED AND LOCKED.
ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY AT CYLINDER.
REQUEST TO EXIT SWITCH SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
INTERIOR ACTUATOR TO START OPENING CYCLE (UNLESS ADO IS POWERED OFF)
EXTERIOR ACTUATOR WIRED IN SERIES THROUGH LX SWITCH IN EXIT DEVICE SUCH THAT ON VALID CARD OR TIME ZONE CONTROL ACTUATOR CAN BE PRESSED TO START OPENING CYCLE.
KEY OVER-RIDE WILL CAUSE DOOR FORCED EVENT IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

NOTE: THE EXTERIOR WALL ACTUATOR SHALL BE WIRED IN SERIES WITH THE "LX" SWITCH IN THE PANIC DEVICE - SUCH THAT WHEN THE PANIC DEVICE IS UNLOCKED BY THE CARD READER ON THE EXTERIOR, THE EXTERIOR WALL ACTUATOR IS ACTIVE, AND THE OPERATOR WILL OPEN THE DOOR WHEN THE WALL ACTUATOR IS PUSHED. THE INTERIOR WALL ACTUATOR SHALL BE WIRED TO WHERE WHEN PUSHED THE “QEL” ON THE PANIC DEVICE WILL RETRACT AND THE OPERATOR WILL OPEN THE DOOR.

HARDWARE SET: 03

DOOR NUMBER:
008 011

EACH TO HAVE:

6	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
2	EA	POWER TRANSFER	EPT10	✓	689	VON
1	EA	REMOVABLE MULLION	KR4954-STAB-ANGLE PLATE		689	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-DT 24 VDC	✓	626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-NL 24 VDC	✓	626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	MORTISE CYLINDER	20-061		626	SCH
2	EA	SURFACE CLOSER	4021		689	LCN
2	EA	FLUSH CEILNG MTG PLATE	4020-18G SRT		689	LCN
2	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	MULLION SEAL	5100N X D.H.		BLK	NGP
2	EA	DOOR SWEEP	200NA X D.W.		AL	NGP
1	EA	THRESHOLD	425E X D.W.		AL	NGP
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR	✓	BLK	SCE
2	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D	✓	BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC	✓	LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER	✓		
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			
2	EA	HAIRPIN STOP	BY OTHERS AS REQ'D - SEE FLOOR PLAN FOR LOCATIONS			

DOORS NORMALLY CLOSED AND LOCKED.
ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY AT CYLINDER.
REQUEST TO EXIT SWTICH SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

HARDWARE SET: 04

DOOR NUMBER:
004

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	SURFACE CLOSER	4011		689	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	SET	SEALS	160S X D.S.		AL	NGP
1	EA	DOOR BOTTOM	35VA X D.W.		AL	NGP
1	EA	THRESHOLD	428E X D.W.		AL	NGP

HARDWARE SET: 05

DOOR NUMBER:
005

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	POWER TRANSFER	EPT10		689	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-NL 24 VDC		626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	SURFACE CLOSER	4111 EDA		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	DRIP CAP	16A X D.W. +4"		AL	NGP
1	SET	SEALS	160S X D.S.		AL	NGP
1	EA	DOOR SWEEP	200NA X D.W.		AL	NGP
1	EA	THRESHOLD	425E X D.W.		AL	NGP
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D		BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC		LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER			

DOOR NORMALLY CLOSED AND LOCKED.
ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY AT CYLINDER.
REQUEST TO EXIT SWITCH SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

HARDWARE SET: 06

DOOR NUMBER:
006 009

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	LOCK GUARD	LG13		630	IVE
1	EA	SURFACE CLOSER	4111 SCUSH		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	DRIP CAP	16A X D.W. +4"		AL	NGP
1	SET	SEALS	160S X D.S.		AL	NGP
1	EA	DOOR SWEEP	200NA X D.W.		AL	NGP
1	EA	THRESHOLD	425E X D.W.		AL	NGP

HARDWARE SET: 07

DOOR NUMBER:
007

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	PANIC HARDWARE	99-NL		626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	SURFACE CLOSER	4111 SCUSH		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	DRIP CAP	16A X D.W. +4"		AL	NGP
1	SET	SEALS	160S X D.S.		AL	NGP
1	EA	DOOR SWEEP	200NA X D.W.		AL	NGP
1	EA	THRESHOLD	425E X D.W.		AL	NGP

HARDWARE SET: 08

DOOR NUMBER:
003 010

EACH TO HAVE:

6	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
2	EA	POWER TRANSFER	EPT10	✓	689	VON
1	EA	REMOVABLE MULLION	KR4954-STAB-ANGLE PLATE		689	VON
1	EA	ELEC PANIC HARDWARE	LX-RX-QEL-99-NL 24 VDC	✓	626	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-DT 24 VDC	✓	626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	MORTISE CYLINDER	20-061		626	SCH
1	EA	SURFACE CLOSER	4021		689	LCN
1	EA	SURF. AUTO OPERATOR	9542 MS AS REQ (120/240 VAC)	✓	ANCLR	LCN
1	EA	FLUSH CEILNG MTG PLATE	4020-18G SRT		689	LCN
1	EA	ROCKER SWITCH	8310-806R (ON/OFF/HOLD-OPEN)			LCN
2	EA	ACTUATOR, TOUCH	8310-856 OR 8310-818 AS REQ'D		630	LCN
1	EA	MOUNTING PLATE	9540-18 40 "		ANCLR	LCN
2	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	MULLION SEAL	5100N X D.H.		BLK	NGP
2	EA	DOOR SWEEP	200NA X D.W.		AL	NGP
1	EA	THRESHOLD	425E X D.W.		AL	NGP
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR	✓	BLK	SCE
2	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D	✓	BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC	✓	LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER	✓		
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			
2	EA	HAIRPIN STOP	BY OTHERS AS REQ'D - SEE FLOOR PLAN FOR LOCATIONS			

DOORS NORMALLY CLOSED AND LOCKED.
ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY AT CYLINDER.
REQUEST TO EXIT SWITCH SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
INTERIOR ACTUATOR TO START OPENING CYCLE (UNLESS ADO IS POWERED OFF)
EXTERIOR ACTUATOR WIRED IN SERIES THROUGH LX SWITCH IN EXIT DEVICE SUCH THAT ON VALID CARD OR TIME ZONE CONTROL ACTUATOR CAN BE PRESSED TO START OPENING CYCLE.
KEY OVER-RIDE WILL CAUSE DOOR FORCED EVENT IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

NOTE: THE EXTERIOR WALL ACTUATOR SHALL BE WIRED IN SERIES WITH THE "LX" SWITCH IN THE PANIC DEVICE - SUCH THAT WHEN THE PANIC DEVICE IS UNLOCKED BY THE CARD READER ON THE EXTERIOR, THE EXTERIOR WALL ACTUATOR IS ACTIVE, AND THE OPERATOR WILL OPEN THE DOOR WHEN THE WALL ACTUATOR IS PUSHED. THE INTERIOR WALL ACTUATOR SHALL BE WIRED TO WHERE WHEN PUSHED THE “QEL” ON THE PANIC DEVICE WILL RETRACT AND THE OPERATOR WILL OPEN THE DOOR.

HARDWARE SET: 09

DOOR NUMBER:
012

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	OH STOP	90S		630	GLY
1	EA	SURFACE CLOSER	4011		689	LCN
1	SET	SEALS	160S X D.S.		AL	NGP
1	EA	DOOR BOTTOM	35VA X D.W.		AL	NGP
1	EA	THRESHOLD	428E X D.W.		AL	NGP

HARDWARE SET: 10

DOOR NUMBER:
013 014

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	SURFACE CLOSER	4011		689	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	SET	SEALS	160S X D.S.		AL	NGP
1	EA	DOOR BOTTOM	35VA X D.W.		AL	NGP
1	EA	THRESHOLD	428E X D.W.		AL	NGP

HARDWARE SET: 12

DOOR NUMBER:

104	106	107	109	111	113
114	116	210	212	214	218
220	221	304	306	307	309
311	313	314	316		

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652		IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO	626		SCH
1	EA	ELECTRIC STRIKE	6400 FSE 12/24 VAC/VDC	630		VON
1	EA	SURFACE CLOSER	4011 H HOLD OPEN ARM	689		LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630		IVE
1	EA	WALL STOP	WS406/407CVX	630		IVE
3	EA	SILENCER	SR64	GRY		IVE
1	EA	WIRING DIAGRAM	RISER			

ELECTRIC STRIKE AND ELEVATION DRAWING FOR FUTURE ACCESS CONTROL.

HARDWARE SET: 13

DOOR NUMBER:

104B	106B	107B	109B	111B	113B
114B	116B	205	209B	210B	211B
212B	213A	214B	218B	220B	221B
304B	306B	307B	309B	311B	313B
314B	316B				

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652		IVE
1	EA	PASSAGE SET	ND10S RHO	626		SCH
1	EA	WALL STOP	WS406/407CVX	630		IVE
3	EA	SILENCER	SR64	GRY		IVE

HARDWARE SET: 14

DOOR NUMBER:

101A	104C	106C	107C	109C	110A
111C	113C	114C	116C	206	209C
210C	212C	214C	217	218C	220C
221C	229	304C	306C	307C	309C
310A	311C	313C	314C	316C	

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5	652		IVE
1	EA	STOREROOM LOCK	ND96P6D RHO	626		SCH
1	EA	WALL STOP	WS406/407CVX	630		IVE
3	EA	SILENCER	SR64	GRY		IVE

HARDWARE SET: 15

DOOR NUMBER:

110	112	209	211	213	310
312					

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP	652		IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO	626		SCH
1	EA	ELECTRIC STRIKE	6400 FSE 12/24 VAC/VDC	630		VON
1	EA	SURFACE CLOSER	4111 HEDA HOLD OPEN ARM	689		LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630		IVE
1	EA	WALL STOP	WS406/407CVX	630		IVE
3	EA	SILENCER	SR64	GRY		IVE
1	EA	WIRING DIAGRAM	RISER			

ELECTRIC STRIKE AND ELEVATION DRAWING FOR FUTURE ACCESS CONTROL.

HARDWARE SET: 16

DOOR NUMBER:

110B	208	310B

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP	652		IVE
1	EA	STOREROOM LOCK	ND96P6D RHO	626		SCH
1	EA	SURFACE CLOSER	4111 SCUSH	689		LCN
3	EA	SILENCER	SR64	GRY		IVE

HARDWARE SET: 17

DOOR NUMBER:
112A 207 222 312A

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PRIVACY LOCK W/ OUTSIDE INDICATOR	ND40S RHO OS-OCC		626	SCH
1	EA	SURFACE CLOSER	4011		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CCV		630	IVE
1	SET	SEALS	5050B X D.S.		BRN	NGP

HARDWARE SET: 18

DOOR NUMBER:
112B 211C 312B

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	ELECTRIC STRIKE	6400 FSE 12/24 VAC/VDC		630	VON
1	EA	SURFACE CLOSER	4011		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE
3	EA	SILENCER	SR64		GRY	IVE
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D		BLK	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC		LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER			

DOOR NORMALLY CLOSED AND LOCKED.
ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY AT LOCK.
RX MOTION SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

HARDWARE SET: 19

DOOR NUMBER:
200A

EACH TO HAVE:

6	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	REMOVABLE MULLION	KR4954-STAB-ANGLE PLATE		689	VON
2	EA	PANIC HARDWARE	99-L-06		626	VON
2	EA	RIM CYLINDER	20-057		626	SCH
1	EA	MORTISE CYLINDER	20-061		626	SCH
1	EA	OH STOP	100S		630	GLY
2	EA	SURFACE CLOSER	4021		689	LCN
2	EA	FLUSH CEILNG MTG PLATE	4020-18G SRT		689	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	MULLION SEAL	5100N X D.H.		BLK	NGP
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			

HARDWARE SET: 20

DOOR NUMBER:
200B

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	POWER TRANSFER	EPT10	✓	689	VON
1	EA	ELEC PANIC HARDWARE	RX-QEL-99-L-NL-06 24 VDC	✓	626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	SURFACE CLOSER	4021		689	LCN
1	EA	FLUSH CEILNG MTG PLATE	4020-18G SRT		689	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR	✓	BLK	SCE
1	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D	✓	BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC	✓	LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER	✓		
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			

DOOR NORMALLY CLOSED AND LOCKED.
ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY AT CYLINDER.
REQUEST TO EXIT SWITCH SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

HARDWARE SET: 21

DOOR NUMBER:
201A

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO		626	SCH
1	EA	ELECTRIC STRIKE	4211 FSE 12/24 VDC		630	VON
1	EA	SURFACE CLOSER	4021		689	LCN
1	EA	FLUSH CEILNG MTG PLATE	4020-18G SRT		689	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	WIRING DIAGRAM	RISER			
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			

ELECTRIC STRIKE AND ELEVATION DRAWING FOR FUTURE ACCESS CONTROL.

HARDWARE SET: 22

DOOR NUMBER:
201B

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM X STORERM	ND70X80P6D RHO XN12-006		626	SCH
1	EA	ELECTRIC STRIKE	4211 FSE 12/24 VDC		630	VON
1	EA	LOCK GUARD	LG13		630	IVE
1	EA	SURFACE CLOSER	4011		689	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	DESK MOUNT BUTTON	660-PB		628	SCE
1	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D		BLK	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC		LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER			
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			

DOOR NORMALLY CLOSED AND LOCKED.
ENTRY INTO CORRIDOR BY VALID CREDENTIAL AT CARD READER, PUSH BUTTON AT RECEPTION, OR BY KEY AT LOCK.
RX MOTION SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM.

STOREROOM FUNCIOTN ON RECEPTION SIDE, CLASSROOM FUNCTION ON CORRIDOR SIDE.

HARDWARE SET: 23

DOOR NUMBER:
201C

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	ELECTRIC STRIKE	4211 FSE 12/24 VDC		630	VON
1	EA	SURFACE CLOSER	4021		689	LCN
1	EA	FLUSH CEILNG MTG PLATE	4020-18G SRT		689	LCN
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	EA	CARD READER	MT11 OR MT15 - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	DOOR CONTACT	679-05 WD OR HM AS REQ'D		BLK	SCE
1	EA	MOTION SENSOR	SCANII 12/24 VDC - BY ACCESS CONTROL INTEGRATOR		BLK	SCE
1	EA	POWER SUPPLY	PS902 BBK 900-2RS 120/240 VAC		LGR	SCE
1	EA	WIRING DIAGRAM	POINT TO POINT / RISER			
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			

DOOR NORMALLY CLOSED AND LOCKED.
ENTRY BY VALID CREDENTIAL AT CARD READER OR BY KEY AT LOCK.
RX MOTION SENSOR SHUNTS DOOR FORCED OPEN IN ACCESS CONTROL SYSTEM.
KEY OVER-RIDE WILL CAUSE DOOR FORCED ALARM IN ACCESS CONTROL SYSTEM.
FREE EGRESS AT ALL TIMES.

HARDWARE SET: 24

DOOR NUMBER:
202

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO		626	SCH
1	EA	WALL STOP	WS406/407CVX		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE SET: 25

DOOR NUMBER:
203 204 213B 215 219

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO		626	SCH
1	EA	WALL STOP	WS406/407CVX		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE SET: 26

DOOR NUMBER:
213C

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	PRIVACY LOCK W/ OUTSIDE INDICATOR	ND40S RHO OS-OCC		626	SCH
1	EA	WALL STOP	WS406/407CCV		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE SET: 27

DOOR NUMBER:
216 225 315

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5		652	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	SURFACE CLOSER	4011		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE SET: 28

DOOR NUMBER:
223

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO		626	SCH
1	EA	ELECTRIC STRIKE	4211 FSE 12/24 VDC		630	VON
1	EA	OH STOP	90S (SHIM AS REQ'D PER FRAME CONDITION)		630	GLY
1	EA	SURFACE CLOSER	4011		689	LCN
1	EA	WIRING DIAGRAM	RISER			
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			

ELECTRIC STRIKE AND ELEVATION DRAWING FOR FUTURE ACCESS CONTROL.

HARDWARE SET: 29

DOOR NUMBER:
228

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO		626	SCH
1	EA	ELECTRIC STRIKE	6400 FSE 12/24 VAC/VDC		630	VON
1	EA	SURFACE CLOSER	4111 HEDA HOLD OPEN ARM		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE
3	EA	SILENCER	SR64		GRY	IVE
1	EA	WIRING DIAGRAM	RISER			

ELECTRIC STRIKE AND ELEVATION DRAWING FOR FUTURE ACCESS CONTROL.

HARDWARE SET: 30

DOOR NUMBER:
301

EACH TO HAVE:

6	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
2	EA	MANUAL FLUSH BOLT	FB458		626	IVE
1	EA	DUST PROOF STRIKE	DP2		626	IVE
1	EA	STOREROOM LOCK	ND96P6D RHO		626	SCH
1	EA	OH STOP	90S		630	GLY
1	EA	SURFACE CLOSER	4111 SCUSH		689	LCN
2	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	SET	SEALS	5050B X D.S.		BRN	NGP
1	EA	SECURITY ASTRAGAL	1390SP X 5050B X D.H.		600	NGP

HARDWARE SET: 31

DOOR NUMBER:
302

EACH TO HAVE:

3	EA	HINGE	5BB1 4.5 X 4.5 NRP		652	IVE
1	EA	PANIC HARDWARE	99-NL		626	VON
1	EA	RIM CYLINDER	20-057		626	SCH
1	EA	SURFACE CLOSER	4111 EDA		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	WALL STOP	WS406/407CVX		630	IVE
3	EA	SILENCER	SR64		GRY	IVE

HARDWARE SET: 32

DOOR NUMBER:
224

EACH TO HAVE:

3	EA	HINGE	5BB1HW 5 X 4.5 NRP		652	IVE
1	EA	CLASSROOM LOCK	ND94P6D RHO		626	SCH
1	EA	WALL STOP	WS406/407CVX		630	IVE
1	SET	SEALS	BY ALUM DOOR/FRAME MFG			

END OF SECTION

Legend:
↯Electrified Opening

Door#	HwSet#
001	01
002↯	02
003↯	08
004	04
005↯	05
006	06
007	07
008↯	03
009	06
010↯	08
011↯	03
012	09
013	10
014	10
101A	14
104↯	12
104B	13
104C	14
106↯	12
106B	13
106C	14
107↯	12
107B	13
107C	14
109↯	12
109B	13
109C	14
110↯	15
110A	14
110B	16
111↯	12
111B	13
111C	14
112↯	15
112A	17
112B↯	18
113↯	12
113B	13
113C	14
114↯	12
114B	13
114C	14
116↯	12
116B	13

Door#	HwSet#
116C	14
200A	19
200B↯	20
201A↯	21
201B↯	22
201C↯	23
202	24
203	25
204	25
205	13
206	14
207	17
208	16
209↯	15
209B	13
209C	14
210↯	12
210B	13
210C	14
211↯	15
211B	13
211C↯	18
212↯	12
212B	13
212C	14
213↯	15
213A	13
213B	25
213C	26
214↯	12
214B	13
214C	14
215	25
216	27
217	14
218↯	12
218B	13
218C	14
219	25
220↯	12
220B	13
220C	14
221↯	12
221B	13

Door#	HwSet#
221C	14
222	17
223↯	28
224	32
225	27
228↯	29
229	14
301	30
302	31
304↯	12
304B	13
304C	14
306↯	12
306B	13
306C	14
307↯	12
307B	13
307C	14
309↯	12
309B	13
309C	14
310↯	15
310A	14
310B	16
311↯	12
311B	13
311C	14
312↯	15
312A	17
312B↯	18
313↯	12
313B	13
313C	14
314↯	12
314B	13
314C	14
315	27
316↯	12
316B	13
316C	14

Prior Approval Request

(During Bidding/Negotiating Phase)

Project: Farmington Preschool Academy

Substitution Request Number: 1

To: FBT Architects Attn: Jeremy Trumble

From: Andy Townes, CSI CCPR

Date: 8/19/2024

Re: Portland Cement Stucco

A/E Project Number:

Contract For: Stucco Assembly

Specification Title: Portland Cement Stucco

Description: Three-coat Stucco

Section: 09 24 23 Page: 8-10

Article/Paragraph: Part 2, 2.1, Manufacturers

Proposed Substitution: FacadesXi Three Fracture Stop

Manufacturer: FacadesXi Inc., Address: 15262 Capital Port, San Antonio TX 78249 Phone: 833-899-0787

Trade Name: Three-coat stucco Model No.: Three Coat Stucco, with Crack Suppression and an Acrylic Finish

History: ☐ New product ☐ 1-4 years old ✗ 5-10 years old ☐ More than 10 years old

Differences between proposed substitution and specified product: **None**

Similar Installation:

Project: Red Rock Elementary Architect: FBT

Address: Gallup NM Owner: Gallup McKinley County

Date Installed:

Proposed substitution affects other parts of Work: ✗ No ☐ Yes; explain

Savings to Owner for accepting substitution: ($).

Proposed substitution changes Contract Time: ✗ No ☐ Yes [Add] [Deduct] days.

Supporting Data Attached: ☐ Drawings ✗ Product Data ☐ Samples ☐ Tests ☐ Reports ☐

SUBSTITUTION REQUEST

(After the Bidding/Negotiating Phase — Continued)

The Undersigned certifies:

- Proposed substitution has been fully investigated and determined to be equal or superior in all respects to specified product.
- Same warranty will be furnished for proposed substitution as for specified product.
- Same maintenance service and source of replacement parts, as applicable, is available.
- Proposed substitution will have no adverse effect on other trades and will not affect or delay progress schedule.
- Cost data as stated above is complete. Claims for additional costs related to accepted substitution which may subsequently become apparent are to be waived.
- Proposed substitution does not affect dimensions and functional clearances.
- Payment will be made for changes to building design, including A/E design, detailing, and construction costs caused by the substitution.
- Coordination, installation, and changes in the Work as necessary for accepted substitution will be complete in all respects.

Submitted by: Andy Townes, CSI CCPR

Signed by: ***Andrew J Townes***

Firm: Zia Materials Inc., and FacadesXI

Address: 371 South Hill Rd, Bernalillo NM 87004

Telephone: 505 238 0110

Attachments: X

A/E's REVIEW AND RECOMMENDATION

☑ Approve Substitution - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Approve Substitution as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures.
☐ Reject Substitution - Use specified materials.
☐ Substitution Request received too late - Use specified materials.

Signed by: Diana Duran Date: 08/22/2024

OWNER'S REVIEW AND ACTION

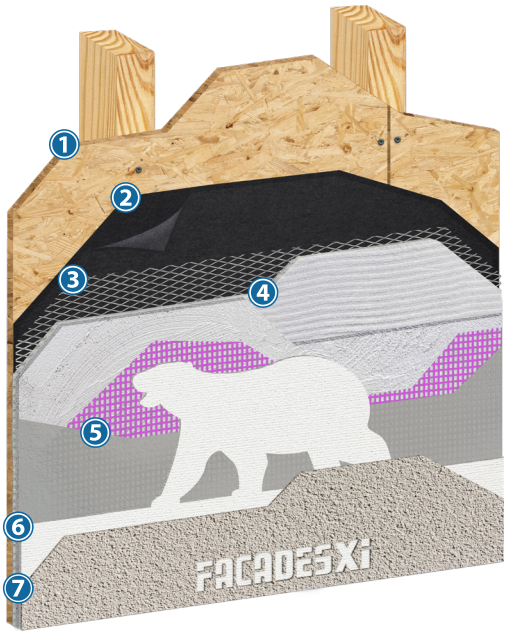
☐ Substitution approved - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures. Prepare Change Order.
☐ Substitution approved as noted - Make submittals in accordance with Specification Section 01 25 00 Substitution Procedures. Prepare Change Order.
☐ Substitution rejected - Use specified materials.

Signed by: _____ Date: _____

Additional Comments: ☐Contractor ☐Subcontractor ☐Supplier ☐Manufacturer ☐A/E

Form Version: January 2013
CSI Form 13.1A

FACADESTHREE FRACTURESTOP STUCCO ASSEMBLY



SYSTEM DESCRIPTION

FacadesThree FractureStop is a traditional scratch and brown stucco wall assembly with the added feature of the FractureStop Layer, complying with the International Building Code, International Residential Code and ASTM C926 in a warrantable assembly. The polymer modified base coat and reinforcing mesh in the FractureStop Layer give the added advantage of increased crack resistance to the Stucco Assembly.

Optional Advantages Upgrades

- Watershield-Xi Water and Air barrier for superior water and air barrier protection with single source warranty
- Xi Advantage: EPS, XPS or Polyisocyanurate Insulation Board
- Strength Advantage: Xi-Admix
- Consistency Enhancement: Xi-Alkali Resistant Primer
- Elastomeric finish coat bridges hairline cracks
- Drainage Mat for superior Drainage Efficiency

COMPONENTS

① Substrate

With code compliant lath & water resistive barrier

- ASTM C1177 glass mat faced sheathing
- ASTM C79/C1396 exterior gypsum sheathing
- ASTM C1325 Type A Exterior cement-board
- Exposure I or exterior plywood sheathing (grade C-D or better)
- Exposure I OSB
- Poured concrete/unit masonry/brick
- Open Framing (3/8" thickness Only)
- Continuous Insulation

Direct Application (not shown)

- Concrete, Concrete masonry (CMU), Poured concrete, brick

② Code Compliant Water Resistive Barrier

- International Building Code
  - -One layer of No.15 asphalt felt, complying with ASTM D226 for Type 1 felt.
  - -Wood Based Sheathing: Water resistant barrier with water resistance complying with ASTM E2556, Type II
- International Residential Code (2015/2018)
  - -One layer of No. 15 asphalt felt complying with ASTM D226 for Type 1 felt
  - -Wood Based Sheathing: water resistance equal to or greater than that of 60-minute Grade D paper
- Code complaint sheet good with a current code Evaluation Report
- Code compliant Air/Water Barrier Coating with a current code Evaluation Report

③ Code compliant lath

- Metal Lath
- Plastic Lath
- Woven Wire

④ FacadesThree Scratch and Brown

- FacadesThree Concentrate: pre-mixed ASTM C926 code compliant stucco base coat consisting of portland cement, fibers and additives, mixed with water and sand
- FacadesThree Sanded: pre-mixed ASTM C926 code compliant stucco base coat consisting of portland cement, sand, fibers and additives mixed only with water in the field.

⑤ FractureStop Layer: FS10 comes with a longer warranty than FS5 options

- FS10
  - -Xi-Dry Acrylic Base Coat or Xi-Acrylic Base Coat
  - -Xi-Mesh Standard Reinforcing Mesh
- FS5
  - -Xi-VersaBase
  - -FractureStop Mesh

⑥ Primer (Optional per specification) – for decreased efflorescence and highest finish coat aesthetic performance.

- Xi-Alkali Resistant Primer

⑦ Finish Coat – Integrally colored and textured. Unlimited color selection, dirt pick up resistant

- Xi-Textured Acrylic Finish
- Xi- Elastomeric Finish

Consult system specifications for exact component options.

USES

Exterior, interior, high impact requirement, new, retrofit, residential, multi-family, commercial, panelized, institutional, hotels, hospitals, retail centers, schools, condominiums, High Traffic, and government facilities

COMPLIANCE APPROVALS

FacadesThree is installed as a traditional three coat Scratch and Brown 7/8" thick base coat, complying with ASTM C926 when installed in compliance with the International Building Code/ International Residential Code.

Complies with Chapters 14 and 25 of the IBC and Chapter 7 of the IRC.

Non-combustible and Fire resistant assemblies are available

ADVANTAGES

- Factory prepared mixed stucco base for consistent field quality control.
- Impact and puncture resistant.
- Highest quality acrylic and elastomeric finishes.
- EPS shapes for architectural details
- Non-combustible and Fire resistant assemblies are available
- FractureStop Layer increases water resistance and crack resistance

DESIGN CONSIDERATIONS

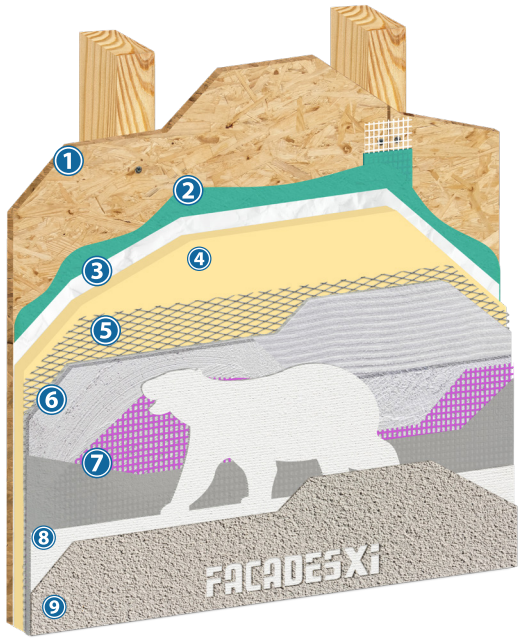
- All products must be installed in accordance with current Evaluation Report.
- Maximum allowable deflection L/360.
- The design wind load shall be determined by the Evaluation Report or per the structural engineer.
- Load roofs and install interior gypsum prior to installation of the stucco.
- Wood-based sheathing should be gapped 1/8-inch.
- All penetrations shall be properly treated, flashed and/or sealed using approved installation designed for water drainage to the exterior of the wall.
- Control joint placement is every 144 ft^2.
- Expansion joints are per project design.
- Expansion joints should be installed at floor line, dissimilar substrates, and through wall expansion joints. Final expansion and control joint design and location are the responsibility of the design professional.
- Sealant joints shall be detailed and installed per sealant manufacturer's recommendations.
- Slope is required on all horizontal surfaces greater than 1".

LIMITATIONS

- Framed walls must terminate stucco a minimum of 4-inches above grade, 2- inches above finished grade, or as specified by local code.
- Moist curing must be provided per specifications.
- Ambient and surface temperature must remain above 40ºF (4ºC) during and for 24-hours after set has occurred.
- Protect applied product from inclement weather until dry.
- Efflorescence is a natural occurrence when using cement based products subject to exterior or wet environments.
- No additives are permitted to any components unless specifically approved by FXI.
- Follow the application instructions for each component.
- Cracking will occur in portland cement stucco. This statement is true of any Portland cement based product and is not a defect of the product. Cracking can be minimized by following best practices in the FacadesOne Stucco Handbook; including proper installation of lath, proper use of control and expansion joints, proper sand selection, proper proportioning of stucco mix, avoiding the use of excess water, moist curing of the stucco after it has been applied, and proper sequencing of construction to avoid stresses in the freshly placed stucco.
- For use on vertical above grade walls only.
- Dark colors may show efflorescence more easily and imperfection in the stucco base coat compared to light colors.
- Maintenance Required: periodic cleaning, repair of cracks and impact damage if they occur, recoating to enhance appearance of weathered finish.

This system bulletin is not to be used as an application guide, See System specifications, details, Design Handbook and product datasheets for specific installation information.

FACADESTHREE IRONCLAD XI-SERIES STUCCO ASSEMBLY



SYSTEM DESCRIPTION

FacadesThree IronClad Xi-Series is a traditional scratch and brown stucco wall assembly with with the added protection of a seamless water and air barrier coating, FractureStop layers, and Xterior Insulation, complying with the International Building Code, International Residential Code and ASTM C926 in a warrantable assembly. It gives the maximum weather protection,energy efficiency, water drainage and resistance to cracking available on the market today with a single source and complete warranty available.

Optional Advantages Upgrades

- Drainage Mat for superior Drainage Efficiency
- FractureStop: Decrease the appearance of hairline cracks in the stucco surface.
- Strength Advantage: Xi-Admix
- Consistency Enhancement: Xi-Alkali Resistant Primer
- Elastomeric finish coat bridges hairline cracks

COMPONENTS

① Substrate

- ASTM C1177 glass mat faced sheathing
- ASTM C79/C1396 exterior gypsum sheathing
- ASTM C1325 Type A Exterior cement-board
- Exposure I or exterior plywood sheathing (grade C-D or better)
- Exposure I OSB
- Poured concrete/unit masonry/brick

② WaterShield Water and Air Barrier Assembly

- WaterShield Water & Air Barrier
- WaterShield Flashing Tape
- WaterShield Joint Mesh
- FXI FlashFill

③ Means of Drainage Optional per designer

- Drainage Mat
- Vertical Ribbons of Adhesive (for certain types of insulation)
- Grooved Insulation Board
- Polyolefin water barrier with internal means of drainage

④ Xi Continuous Insulation

- Expanded Polystyrene
- Extruded Polystyrene
- Polyisocyanurate
- Mineral Wool

⑤ Code compliant lath

- Metal Lath
- Plastic Lath

⑥ FacadesThree Scratch and Brown

- FacadesThree Concentrate: pre-mixed ASTM C926 code compliant stucco base coat consisting of portland cement, fibers and additives, mixed with water and sand
- FacadesThree Sanded: pre-mixed ASTM C926 code compliant stucco base coat consisting of portland cement, sand, fibers and additives mixed only with water in the field

⑦ FractureStop Layer

- Xi-Dry Acrylic Base Coat or Xi-Acrylic Base Coat
- Xi-Mesh Standard Reinforcing Mesh

⑧ Primer (Optional per specification) – for decreased efflorescence and highest finish coat aesthetic performance.

- Xi-Alkali Resistant Primer
- Xi-FastPrime

⑨ Finish Coat – Integrally colored and textured. Unlimited color selection, dirt pick up resistant

- Xi-Textured Acrylic Finish
- Xi- Flexx Finish

Consult system specifications for exact component options.

USES

Exterior, interior, high impact requirement, new, retrofit, residential, multi-family, commercial, panelized, institutional, hotels, hospitals, retail centers, schools, condominiums, and government facilities

COMPLIANCE APPROVALS

FacadesThree is installed as a traditional three coat Scratch and Brown 7/8" thick base coat, complying with ASTM C926 when installed in compliance with the International Building Code/ International Residential Code.

Complies with Chapters 14 and 25 of the IBC and Chapter 7 of the IRC.

Non-combustible and Fire resistant assemblies are available

ADVANTAGES

- WaterShield provides and enhanced water and air barrier for envelope protection.
- Factory prepared mixed stucco base for consistent field quality control.
- Impact and puncture resistant.
- Highest quality acrylic and elastomeric finishes.
- EPS shapes for architectural details.
- Reduced Labor.
- Non-combustible and Fire resistant assemblies are available.
- Enhanced Warranty Available.
- R-Value for increased energy efficeincy.
- FractureStop Layer increases water resistance and crack resistance.

DESIGN CONSIDERATIONS

- All products must be installed in accordance with current Product Datasheets.
- Maximum allowable deflection L/360.
- The design wind load shall be determined by the structural engineer.
- Load roofs and install interior gypsum prior to installation of the stucco.
- Wood-based sheathing should be gapped 1/8-inch.
- All penetrations shall be properly treated, flashed and/or sealed using approved installation designed for water drainage to the exterior of the wall.
- Control joint placement is every 144 ft^2.
- Expansion joints are per project design.
- Expansion joints should be installed at floor line, dissimilar substrates, and through wall expansion joints. Final expansion and control joint design and location are the responsibility of the design professional.
- Sealant joints shall be detailed and installed per sealant manufacturer's recommendations.
- Slope is required on all horizontal surfaces greater than 1".

LIMITATIONS

- Framed walls must terminate stucco a minimum of 4-inches above grade, 2-inches above finished grade, or as specified by local code.
- Moist curing must be provided per specifications.
- Ambient and surface temperature must remain above 40ºF (4ºC) during and for 24-hours after set has occurred.
- Protect applied product from inclement weather until dry.
- Efflorescence is a natural occurrence when using cement based products subject to exterior or wet environments.
- No additives are permitted to any components unless specifically approved by FXI.
- Follow the application instructions for each component.
- Cracking will occur in portland cement stucco. This statement is true of any Portland cement based product and is not a defect of the product. Cracking can be minimized by following he product datasheets and specifications including proper installation of lath, proper use of control and expansion joints, proper sand selection, proper proportioning of stucco mix, avoiding the use of excess water, moist curing of the stucco after it has been applied, and proper sequencing of construction to avoid stresses in the freshly placed stucco.
- Use only on surfaces that are sound, dry, clean, unpainted, and free from any residue that may affect the ability of the FACADESXi Products to bond.
- Watershield should not be left exposed more than 6 months.
- Ensure Lath fasteners are secured into framing members.
- For use on vertical above grade walls only.
- Dark colors may show efflorescence more easily and imperfection in the stucco base coat compared to light colors.
- Maintenance Required: periodic cleaning, repair of cracks and impact damage if they occur, recoating to enhance appearance of weathered finish.

This system bulletin is not to be used as an application guide. See System specifications, details, and product datasheets for specific installation information.

FACADESXi
FACADESTHREE CONCENTRATE

DESCRIPTION AND USAGE

FacadesThree Concentrate is a pre-mixed ASTM C926 code compliant stucco base coat consisting of portland cement, fibers, and additives designed specifically for the FACADESXi Stucco Wall Systems and as a traditional scratch and brown. Mixed on site with sand and water.

PACKAGING / COVERAGE

80 lb (36 kg) Bags

Sand quantity will affect coverage, but the approximate coverage per thickness per bag will be as follows:

⅜" (9.5 mm) = 75-90 ft² (7-8.4 m²)
½" (12.7 mm) = 60-72 ft² (5.6-6.7 m²)
¾" (19.0 mm) = 37-45 ft² (3.5-4.2 m²)

Coverages are approximate and will vary depending on application methods and environmental/surface conditions.

FEATURES / BENEFITS

- ASTM C926 compliant
- Warrantable Assemblies
- Spray and hand applications
- Less waste than field mixes
- Factory prepared stucco base for consistent field quality control
- Impact and puncture resistant

FOR USE WITH FACADESTHREE STUCCO WALL ASSEMBLIES

- FacadesThree Stucco Assemblies: scratch & brown stucco base complying with ASTM C926

- FACADESXi Stucco Assembly Substrates/Sheathings:
  With code compliant lath, water resistive barrier
  - ASTM C1177 glass mat faced sheathing
  - ASTM C79/C1396 exterior gypsum sheathing
  - ASTM C1325 Type A Exterior cement-board
  - Exposure I or exterior plywood sheathing (grade C-D or better)
  - Exposure I OSB
  - Poured concrete/unit masonry/brick
  - Continuous Insulation

  Direct Application
  - Concrete
  - Concrete masonry (CMU)
  - Poured concrete
  - Brick

- Non-combustible Assemblies & Fire resistant assemblies.

CODE COMPLIANCE / MATERIAL STANDARDS

- ASTM C926
- Lime: ASTM C206
- Fibers: ASTM C1116
- Portland Cement: ASTM C150

SHELF LIFE

12 months - stored off the ground, unopened, protected from moisture, extreme heat 90ºF (32ºC), and direct sunlight.

FACADESXi FACADESTHREE CONCENTRATE

SURFACE PREPARATION / JOB CONDITION

For specific stucco assembly Installation instructions, see the Applicable Xi-Stucco Specifications.

Temperature and Substrate must be above 40°F (4°C) and below 120°F (4°C) at time of installation and for 24 hours after installation. Avoid direct sunlight.

LATHED INSTALLATION

IInstall water-resistant barrier and flashing per specifications to ensure that the surface will shed water. Stucco will not provide a barrier that is water resistant. Install code compliant lath per ASTM C1063.

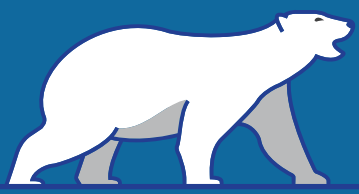
DIRECT APPLICATION

The surface must be clean and dry, unpainted and without defects. In addition, the surface must not have any residue which could interfere with the bonding. Frost, snow and ice will prohibit the bonding process, so wait until moisture evaporates and temperatures warm.

The surface must have adequate roughness and suction on the surface so the product will bond.

Before applying this product, dampen concrete and masonry substrates as applicable.

Note: When applying to non-standard surfaces such as extremely dense or extremely smooth concrete, please contact FACADESXi technical support.



CONTACT FACADESXi TECHNICAL FOR SPECIFIC INSTRUCTIONS.

APPLICATION

For specific stucco assembly Installation instructions, see the Applicable Xi-Stucco Specifications. Install FacadesThree Concentrate in compliance with the International Building Code/International Residential Code and ASTM C926.

Scratch Coat: Apply scratch coat with sufficient pressure and sufficient material for a full ⅜" – ½" thickness to key into and embed and completely cover the lath. Moist cure for 48 hours in accordance with the International Building Code. Start moist fogging after initial set of 1–2 hours.

Brown Coat: Apply brown coat with sufficient pressure and material to ensure physical bond with the scratch coat and to a ¾" thickness. Use a rod or straight edge to bring the surface to a true, even plane. Float the brown coat uniformly to prepare for the next step, the finish coat application. Moist cure for 48 hours in accordance with the International Building Code. Start fogging after initial set of 1–2 hours.

Direct to CMU/Concrete: Apply stucco with sufficient pressure and sufficient material for a minimum ½" thickness. If installing in 3 coat system, follow application above for Scratch and brown coats.

Double Back Method: The first and second coats are applied and cured as one system. Application of the second brown coat is applied as soon as the first coat is rigid enough to accept it without damage to the first coat. Moist cure for at least 48 hours by lightly and evenly fogging the surface with water at least twice a day.

Note: When FACADESXi Hacienda, portland cement finish coat is going to be applied, the surface must be open, not smoothed by floating.

MOIST CURING

Moisture curing is necessary due to evaporation / absorption and will improve the overall strength and durability of the stucco basecoat.

Make sure to keep stucco basecoat moist by fogging walls with water after the initial hardening and for the duration of the required time to provide strength and prepare for the pressure of finish coat application. Insufficient moisture application after the basecoat is in place can cause problems such as volume loss stresses and cracking. (See Xi-Stucco specifications for specific moist curing times per assembly)

- Be sure to stop application only at junctions of wall planes, openings or control joints to avoid cold joints.
- Allow FacadesThree Concentrate to dry thoroughly prior to applying finishes.

FACADESXi
FACADESTHREE CONCENTRATE

MIXING

1. Begin with approximately 60 pounds of sand and 3 gallons of clean, cool, water per bag. Warm water will accelerate the set.

2. Add the FacadesThree Concentrate to the water and sand, then add an additional 1-3 gallons of water and enough sand to equal a total amount of 200-240 lb (91-109 kg). Total amount of sand will equal 2 ½ -3 cubic feet. Use sand that is graded within the following limits (sample and test per ASTM C897 or C144 requirements).

Retained by U.S. Standards Sieve	Percent Weight	Retained By +/- 2%
No. 4	---	0
No. 8	0	10
No. 18	10	40
No. 30	30	65
No. 50	70	90
No. 100	95	100

3. Allow the material to sit and slake for 5-10 minutes and then remix it. Small amounts of water may be added. Do not re-temper.

4. Use immediately after mixing.

FACADESXi-ADMIX AND BONDING AGENT

For reduced efflorescence, shrinkage and cracking and for increased water resistance, use up to 1 gallon (3.8 liter) per bag of FacadesThree Concentrate:

1. After the dry components and most of the water have been mixed, add Xi-Admix and Bonding Agent.
2. Do not overmix or the material will contain too much air which will weaken it.
3. Product may be only be re-tempered within 20 minutes of adding Xi-Admix and Bonding Agent.

- Always use clean equipment to mix product.
- Do not add anything additional to this product that has not been pre-approved by FACADESXi.

CAUTIONS / LIMITATIONS

- Ambient and surface temperature must remain above 40ºF (4ºC) during and for 24-hours after set has occurred.
- Efflorescence is a natural occurrence when using cement-based products subject to exterior or wet environments and is not a defect of the product.
- Cracking will occur in portland cement stucco, as is with any Portland cement-based product, and is not a defect of the product. Cracking can be minimized by following best practices including proper installation of lath, proper use of control and expansion joints, proper sand selection, proper proportioning of stucco mix, avoiding the use of excess water, moist curing of the stucco after it has been applied, and proper sequencing of construction to avoid stresses in the installed stucco.
- For use on vertical above grade walls and ceilings only.
- Moist curing must be provided per the Xi-Stucco specifications.
- Where snow may occur, increase the distance required between grade and the stucco and increase the slope requirement of the Stucco and Foam Shapes.
- Maintenance is Required with periodic cleaning, repair of cracks and impact damage, if they occur, and/or recoating to enhance appearance of weathered finish.
- Dark colors show more efflorescence and imperfection in the stucco base coat compared to light colors. With Foam Shapes, select a color with a light reflectance value (LRV) of 20 percent or higher. EPS has a service temperature limitation of approximately 160°F (71°C).
- Maintenance is Required with periodic cleaning, repair of cracks and impact damage, if they occur, and/or recoating to enhance appearance of weathered finish.

CLEAN UP

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

FACADESXi
FACADESTHREE CONCENTRATE

WARNINGS

Use of this product can expose you to Crystalline Silica, a chemical that has been known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information: https://P65Warnings.ca.gov

INHALATION
This product is considered an irritant if proper precautions aren't followed. Use a NIOSH approved respirator mask and adequate ventilation when using the product. Avoid overexposure. Open windows and doors to confined areas during the application and drying process. Ensure fresh airflow is available. Leave the area of application immediately if you experience watery eyes, dizziness, or a headache.

SKIN CONTACT
Do not get product in your eyes or on your skin. Wash hands thoroughly after use.

EYE CONTACT
Rinse eyes thoroughly with water for several minutes. Remove contact lenses then continue to rinse.

DO NOT TAKE INTERNALLY
Immediately contact the Poison Control Center if swallowed. Store product in its original container sealed tightly after use.

EXPOSURE TO LEAD
Scraping sand or old paint chips may result in toxic lead exposure. Contact the National Lead Information Hotline at 1-800-424-LEAD or head over to https://epa.gov/lead for more information.

PLEASE NOTE
The most current Safety Data Sheet and Product Data Sheet can be found on our website for more information on product handling.

SAFETY

KEEP OUT OF REACH OF CHILDREN.
FOR PROFESSIONAL USE ONLY.
DO NOT ALLOW PRODUCT TO FREEZE.
VOC < 10 grams per liter.

The instructions for use and application and warnings have been prepared in good faith based on the information available at the time of publication.

All instructions are intended to provide product users with the proper guidelines for use and application under normal working and environmental conditions. Because each project and user is different, FACADESXi cannot be held responsible for any consequences of variations in conditions or for unforeseen conditions when using this product.

For the most up to date information go to www.facadesxi.com

FACADESXi
Xi-WATERLOCK BASE COAT

DESCRIPTION AND USAGE

Xi-WaterLock is a 100% acrylic modified water resistant base coat designed specifically for the FACADESXi Wall Systems. When mixed with cement this product embeds reinforcing mesh and skim coats surfaces with excellent workability.

PACKAGING / COVERAGE

50 lb (22.7 kg) Pails

Embedding Xi-Mesh = 90-120 ft² (8.4-11.1 m²)

Skim Coat = 120-135 ft² (11.1-12.5 m²)

Coverages are approximate and will vary depending on application methods and environmental/surface conditions

FEATURES / BENEFITS

- Waterproof for Sloped Surfaces
- Ready to Use
- Low VOC

SHELF LIFE

12 months - stored off the ground, unopened, protected from moisture, freezing, extreme heat 90ºF (32ºC), and direct sunlight.

Avoid stacking pails in excess of 3 at a time.

CONTACT FACADESXi TECHNICAL FOR SPECIFIC INSTRUCTIONS.

FOR USE WITH ALL FACADESXI SYSTEMS

- Xterior Insulation EIFS Base coats
- FacadesOne Stucco Base Coats
- FacadesThree Stucco Base Coats

SURFACE PREPARATION / JOB CONDITIONS

Air and surface temperatures must be 40 °F (4 °C) or higher and must remain so for a minimum of 24 hours.

Not recommended for application during time of direct sunlight exposure. If necessary, drape the scaffold with nursery shade cloth or other suitable material to shade the wall during application.

Substrates must be above 40°F (4°C), unpainted and clear of dirt, dust, chalk, mildew, algae, foreign materials, etc.

Painted/loose/damaged substrates must have the paint removed by water/sand blasting and damage repaired so that 90% of the virgin substrate is exposed.

EIFS APPLICATION

EPS should be rasped and free of all materials that will prevent the adhesion of the base coat. If applying over the EIFS Base coat, that also must be clean and free of dirt or other materials that will prevent adhesion.

For surface preparation questions or further information, contact the FACADESXi Technical team.

FACADESXi
Xi-WATERLOCK BASE COAT

MIXING

Mixing and preparation equipment should be cleaned before you begin.

1. Mix one 50 lb FacadesXi-WaterLock pail using a heavy-duty ½inch rust-free paddle drill at 400-500 rpm to mix thoroughly.
2. Split the product evenly into two buckets and add 12.5 lbs. of Portland Cement to each pail and mix again. Small amounts of water may be added for mixing but should be used sparingly in this product.
3. Allow to sit and slake for 5-10 minutes and then remix it. Adjust workability by adding a small amount of clean, cool water.
4. Be sure to use the mixture immediately after remixing.
5. Working time is approximately 1 hour depending upon temperature - do not mix more than can be used during this time.

- Only FACADESXi approved additives may be added to this product.
- Do not add additional water or cement.
- Keep the container closed when not in use.

CAUTIONS / LIMITATIONS

- Air and surface temperature should be at least 40°F throughout the application and drying process. Supplemental heat may be necessary as needed.
- Surfaces must be sound, clean, dry, free from paint, contaminants, and any residue that may prevent product from bonding to substrate.
- Avoid application in direct sunlight or high temperatures.
- Protect the surface from precipitation until completely dry.
- Do not use below grade in immersion service.
- Xi-WaterLock cannot be built up to correct irregular surfaces

CLEAN UP

Wet product is water-soluble. Tools and containers can be cleaned with water before the product dries. Once WaterLock is dry it can only be removed mechanically.

APPLICATION

See System Details and Product Datasheets for full instructions.

Protect surrounding areas during application.

WATERPROOF BASE COAT EMBEDDING MESH

1. Rasp the surface of the insulation board smooth, if applicable.
2. Uniformly cover the entire foam board surface with the base coat to approximately 1/16"-1⁄8" thick.
3. With the flat edge of a stainless-steel trowel, embed reinforcing mesh into the base coat, from the center to the edges, wrapping it around the edges and system terminations, extending as far onto the structural elements as possible. Use the mesh to gauge base coat thickness.

The mesh-reinforced surface should be flat and smooth with no wrinkles. A damp, NOT WET, brush may be used on fresh or uncured base coat to maintain sharp edges of grooves or for smoothing trowel marks.

The thickness must be such that the mesh color is not visible at a minimum of 1/16". When multiple layers of reinforcing mesh are used, as in high impact applications, allow each layer to cure overnight.

WATERPROOF SKIM COAT

Uniformly cover the entire surface with the base coat, approximately 1⁄8" thick.

CMU/brick walls may require multiple passes to cover grout joints. Protect the base coat from rain, freezing, until cured at least 24 hours, longer in cold or humid climates before application of primer / finish coat.

FACADESXi
Xi-WATERLOCK BASE COAT

WARNINGS

Use of this product can expose you to Crystalline Silica, a chemical

that has been known to the State of California to cause cancer,

birth defects, or other reproductive harm. For more information:

https://P65Warnings.ca.gov

INHALATION

This product is considered an irritant if proper precautions aren't followed. Use a NIOSH approved respirator mask and adequate ventilation when using the product. Avoid overexposure. Open windows and doors to confined areas during the application and drying process. Ensure fresh airflow is available. Leave the area of application immediately if you experience watery eyes, dizziness, or a headache.

SKIN CONTACT

Do not get product in your eyes or on your skin. Wash hands thoroughly after use.

EYE CONTACT

Rinse eyes thoroughly with water for several minutes. Remove contact lenses then continue to rinse.

DO NOT TAKE INTERNALLY

Immediately contact the Poison Control Center if swallowed. Store product in its original container sealed tightly after use.

EXPOSURE TO LEAD

Scraping sand or old paint chips may result in toxic lead exposure. Contact the National Lead Information Hotline at 1-800-424-LEAD or head over to https://epa.gov/lead for more information.

PLEASE NOTE

The most current Safety Data Sheet and Product Data Sheet can be found on our website for more information on product handling.

SAFETY

KEEP OUT OF REACH OF CHILDREN.
FOR PROFESSIONAL USE ONLY.
DO NOT ALLOW PRODUCT TO FREEZE.
VOC < 10 grams per liter.

The instructions for use and application and warnings have been prepared in good faith based on the information available at the time of publication.

All instructions are intended to provide product users with the proper guidelines for use and application under normal working and environmental conditions. Because each project and user is different, FACADESXi cannot be held responsible for any consequences of variations in conditions or for unforeseen conditions when using this product.

For the most up to date information go to www.facadesxi.com

CONTACT FACADESXi TECHNICAL FOR SPECIFIC INSTRUCTIONS.

FACADESXi
Xi-REINFORCING MESHES

DESCRIPTION AND USAGE

Xi-Reinforcing Meshes are glass fiber reinforcing meshes designed specifically for the FACADESXi Wall Systems. Weight and application options range from Standard to Ultra High impact resistant walls.

PACKAGING / COVERAGE

Mesh	Rolls/Carton	Dimensions	Coverage
Xi-Mesh	4 rolls	38 in wide x 150 ft (965 mm wide x 46 m)	475 ft2 (44.1 m²)
Xi-Mesh	4 rolls	48 in wide x 150 ft (1219 mm x 23 m)	600 ft² (55.7 m²)
Xi-Mesh6	4 rolls	48 in wide x 150 ft (1219 mm wide x 46 m)	600 ft² (56 m²)
Xi-Mesh12	4 rolls	38 in wide x 75 ft (965 mm wide x 23 m)	238 ft² (22.1 m²)
BearMat15	4 rolls	38 in wide x 75 ft (965 mm wide x 23 m)	238 ft² (22.1 m²)
BearMat20	2 roll	48 in wide x 75 ft (965 mm wide x 23 m)	238 ft² (22.1 m²)
Detail Mesh	16 rolls	9 ½ in wide x 150 ft (241 mm wide x 46 m)	118 ft² (11 m²)

Xi-Mesh/Mesh6/Mesh12 reinforcing meshes are lapped a minimum of 2 ½ in (64 mm) at all edges.
BearMat15 and BearMat20 are abutted tightly and a layer of Xi-Mesh or Xi-Mesh6 must be applied over the entire surface.

FEATURES / BENEFITS

- Durable
- Fully Tested
- Alkali resistant
- Impact resistant
- Dimensionally stable

FOR USE WITH ALL FACADESXI SYSTEMS

When Embedded in Xi-Base Coats, Reinforcing Meshes can be used for:

- FACADESXi Xterior Insulation Systems: For impact and crack resistance.
  - BearMat15 and BearMat 20 oz meshes for High and Ultra-High impact resistance, recommended for high traffic and impact areas. * used with standard mesh
  - Xi-Mesh12 for Intermediate traffic, such as low traffic walkways and balconies
  - Xi-Mesh6 for protection from small impact, ladders, cables,
  - Detail Mesh for special shapes, reveals and backwrapping
- FACADESXi Plaster Systems: As a component of the FractureStop Layer, to resist and hide cracking of the stucco.
- FACADESXi Watershield-CB Systems: At cement board joints and over the entire cement board assembly for crack resistance.
- FACADESXi DAFS: For use over the entire sheathing for crack resistance.
- Foam Shapes: For coating foam shapes installed over Plaster, EIFS and CB systems.
- Skim Coat Reinforcement on clean Masonry/CMU/Brick: As the base coat thickness gage.

SURFACE PREPARATION / JOB CONDITION

Temperature must be 40°F (4°C), at time of installation and for 24 hours after installation. Substrates must be above 40°F (4°C), unpainted and clear of dirt, dust, chalk, mildew, algae, foreign materials, etc.

Rasp the surface of the insulation board smooth and replace any UV weathering or damage If applicable.

SHELF LIFE

2 years - stored off the ground, unopened, protected from moisture, extreme heat and direct sunlight

FACADESXi
Xi-REINFORCING MESHES

CAUTIONS / LIMITATIONS

High and Ultra High impact resistance shall be as indicated in project drawings and as designated in the specifications. Insulation boards must be fully encapsulated on edges with base coat and reinforcing mesh.

Protect the base coat from rain, freezing, until cured at least 24 hours, longer in cold or humid climates before application of primer / finish coat.

Protect the wall assembly if needed during installation from water intrusion until the exterior wall is in place.

TESTING

Mesh Layer	ASTM Impact Level
Xi-Mesh	Standard
Xi-Mesh6	Standard
Xi-Mesh12	Medium
Xi-Mesh12 & Xi-Mesh	Ultra-High
BearMat15 & Xi-Mesh	Ultra-High
BearMat20 & Xi-Mesh	Ultra-High

IMPACT RESISTANCE

ASTM E2486 LEVELS (EIMA impact standard 101.86)
Standard Impact Resistance: 25–49 inch-lbs (2.8–5.6 J)
Medium Impact Resistance: 50–89 inch-lbs (5.7–10.1 J)
High Impact Resistance: 90–150 inch-lbs (10.2–17.0 J)
Ultra-High Impact Resistance: >150 inch-lbs (> 17.0 J)

CONTACT FACADESXi TECHNICAL FOR SPECIFIC INSTRUCTIONS.

APPLICATION

See system specifications for specific assembly installation instructions.

EMBEDDING REINFORCING MESH

Uniformly cover the entire foam board surface with base coat, approximately 1/16"-1/8" thick. With the flat edge of a stainless steel trowel, embed reinforcing mesh into the base coat. Start from the center, working to the edges, wrapping it around the edges and system terminations, extending as far onto the structural element as possible. Use the mesh as a screed to gauge base coat thickness. The mesh-reinforced surface should be flat and smooth with no wrinkles. A damp, NOT WET, brush may be used on fresh or uncured base coat to maintain sharp edges of grooves or for smoothing trowel marks. Mesh color must not visible.

BEARMAT15/BEARMAT 20 HIGH AND ULTRA HIGH REINFORCING MESH

Uniformly cover the entire foam board surface with the base coat, approximately 1/8" thick. With the flat edge of a stainless steel trowel, embed BearMat into the base coat, from the center to the edges. Butt ends of pieces tightly – DO NOT OVERLAP. Allow to cure overnight (longer in cold/humid climates) and proceed with Standard Reinforcing mesh embedment. Edges of Standard mesh must be offset from BearMat edges by a minimum of 8 Inches.

SKIM COAT

Uniformly cover the entire surface with the base coat, approximately 1/16"-1/8" thick and embed mesh per application above. Reinforcing mesh on CMU, brick is strictly for gaging the base coat thickness and will not prevent grout/masonry cracks from appearing in the base coat. CMU/ brick walls may require multiple passes to cover grout joints.

BACKWRAPPING

Required at EIFS terminations not utilizing approved accessories; foundations, sidewalks, openings, penetrations, expansion joints, etc. Using staples or adhesive, install Xi-Detail Mesh or strips of standard mesh onto the substrate approximately 4" up the wall allow remaining mesh to hang down until the insulation boards are adhered. Wrap the remaining mesh around the boards and onto the face of the board a minimum of 2-1/2 inches (64 mm). The EPS thickness should be considered when selecting mesh size, such that the Mesh extends 4 inches on the back and 2-1/2 in minimum onto the face of the insulation board.
With Drainage Terminations follow the EIFS system detail.

CORNERS (INSIDE, OUTSIDE, WINDOWS, DOORS)

Corners must have two layers of mesh, either 2 layers of standard mesh with no overlaps within 8" of the corner or Xi-CornerMesh, covered with 1 layer of standard mesh when covering the entire wall.

Meshes and Mats can be installed either vertically or horizontally.

FACADESXi
Xi-FASTPRIME (PH RESISTANT PRIMER)

DESCRIPTION AND USAGE

Xi-FastPrime is a water based primer for high pH stucco, concrete and masonry surfaces for use under Xi-Acrylic and Elastomeric Coatings and Finishes. Xi Finishes and Coatings may be applied sooner using Xi-FastPrime when the surface pH is higher than allowed. FACADESXi recommends using Xi-FastPrime on high pH walls to allow for faster schedule, lower efflorescence and to upgrade the appearance and consistency of the finish.

PACKAGING / COVERAGE

5 Gallon Pail

950-1250 ft² (88.3-116 m²) per Pail

Coverages are approximate and will vary depending on application methods and environmental/surface conditions.

FEATURES / BENEFITS

- Can be applied over High pH surfaces
- Low VOC
- Creates more uniform Finish Coat application/Color
- Increases Finish Coat Coverage by limiting substrate suction.
- Vapor Permeable
- Reduces Efflorescence in Stucco base coats

SHELF LIFE

24 months - stored off the ground, unopened, protected from moisture, extreme heat 90ºF (32ºC), and direct sunlight.

FOR USE WITH FACADESXi ACRYLIC/ELASTOMERIC FINISHES AND COATINGS

ACCEPTABLE SUBSTRATES

- FacadesOne Concentrate & Sanded
- FacadesThree Concentrate & Sanded
- CMU/Concrete, Stucco and Masonry
- Other substrates per FACADESXi

SURFACE PREPARATION / JOB CONDITION

Temperature must be 40°F (4°C), at time of installation and for 24 hours after installation. Substrates must be above 40°F (4°C), unpainted and clear of dirt, dust, chalk, mildew, algae, foreign materials, etc. Painted/loose/damaged substrates must have the loose paint removed and damage repaired.

FacadesOne: Moist cured for 24 hours and dried for 24 hours (longer in cold/humid temperatures).

FacadesThree: Moist Cured for 48 hours and dried for 48 hours (longer in cold/humid temperatures).

Portland Cement Stucco: Moist cured and dried in accordance with the International Building Code.

CONCRETE/MASONRY:

- Any new concrete surfaces or masonry work must wait a minimum of 7 days before the product is applied.
- Form-release agents. Dirt, efflorescence frost, and any bond breakers must be removed prior to application.
- Patch and repair any non uniform areas to create a smooth surface and allow to dry.

XI-FLEXX COATING:

When using Xi-Flexx Coating the stucco, masonry, or concrete surface must be completely dry before applying Xi-FastPrime and the pH less than 10 before applying the Xi-Flexx Coating. FACADESXi recommends that the surface be completely cured for the best results.

FACADESXi
Xi-FASTPRIME (PH RESISTANT PRIMER)

MIXING

Thoroughly slowly mix or stir until the entire product is uniform.

- Keep the container closed when not in use.

CAUTIONS / LIMITATIONS

- Use only on surfaces that are sound, dry, clean, unpainted, and free from any residue that may affect the ability of the FACADESXi - Primer to bond.
- Cold or humid weather will extend drying time.
- Application in direct sunlight will reduce open time significantly.
- Use clean materials and tools to prevent contamination of the material.
- Not for use below grade, or in immersion.
- Not for direct use over wood substrates.
- Do not over water the mix.
- In no way is FACADESXi responsible for color variations or color correctness after the Finishes or coatings product have been applied or for application or substrates out of accordance with the manufacturers, building code, association standards or guidelines.
- Wear protective eye-wear and clothing.

CLEAN UP

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

APPLICATION

Apply to the entire surface with a brush, ⅜" nap roller or spray equipment at a coverage rate of 900-1250 ft² per pail. Work product into all corners and joints.

- A sample/mock up should be submitted and approved using the same tools, methods and products that will be used on the project.
- Protect the from rain, freezing, until cured at least 1-4 hours , longer in cold or humid climates before application of finishes.
- Under normal humidity and temperatures, drying time ranges from 1- 4 hours. Drying time may exceed this range with high humidity and cold temperatures.

SPRAY APPLICATION RECOMMENDATIONS:

For best results, application using the spray method should be executed with consistent motion and pressure. Maintain a consistent distance and angle when using spray application. We recommend using a job-site mock-up.

FACADESXi
Xi-FASTPRIME (PH RESISTANT PRIMER)

WARNINGS

KEEP OUT OF REACH OF CHILDREN.
FOR PROFESSIONAL USE ONLY.
DO NOT ALLOW PRODUCT TO FREEZE.
VOC < 10 grams per liter.

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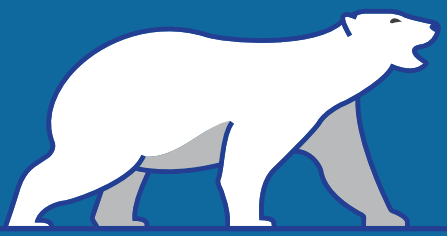
All instructions are intended to provide product users with the proper guidelines for use and application under normal working and environmental conditions. Because each project and user is different, FACADESXi cannot be held responsible for any consequences of variations in conditions or for unforeseen conditions when using this product.

For the most up to date information go to www.facadesxi.com



CONTACT FACADESXi TECHNICAL FOR SPECIFIC INSTRUCTIONS.

SAFETY

Use of this product can expose you to Crystalline Silica, a chemical that has been known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information: https://P65Warnings.ca.gov

INHALATION

This product is considered an irritant if proper precautions aren't followed. Use a NIOSH approved respirator mask and adequate ventilation when using the product. Avoid overexposure. Open windows and doors to confined areas during the application and drying process. Ensure fresh airflow is available. Leave the area of application immediately if you experience watery eyes, dizziness, or a headache.

SKIN CONTACT

Do not get product in your eyes or on your skin. Wash hands thoroughly after use.

EYE CONTACT

Rinse eyes thoroughly with water for several minutes. Remove contact lenses then continue to rinse.

DO NOT TAKE INTERNALLY

Immediately contact the Poison Control Center if swallowed. Store product in its original container sealed tightly after use.

EXPOSURE TO LEAD

Scraping sand or old paint chips may result in toxic lead exposure. Contact the National Lead Information Hotline at 1-800-424-LEAD or head over to https://epa.gov/lead for more information.

PLEASE NOTE

The most current Safety Data Sheet and Product Data Sheet can be found on our website for more information on product handling.

FACADESXI
Xi-TEXTURED ACRYLIC FINISH COAT

DESCRIPTION AND USAGE

Xi-Textured Acrylic Finish Coat is a 100% Acrylic resin based, dirt pick up resistant, factory mixed finish and come in a variety of standard and custom colors. May be applied to portland cement plaster, EIFS base coats, brick, cmu, masonry, interior drywall, painted or other surfaces with the approval of FACADESXi. Available in different textures, standard colors and custom colors.

Xi-SILICONE ENHANCEMENT
Add Silicone Enhancement to your finish for upgraded and superior water resistance and UV protection.

FOR USE WITH ALL FACADESXi SYSTEMS

- For use with all FACADESXi Systems as the finish color and texture.
- FACADESXi EIF Systems, FACADESXi Stucco, Direct Applied and Cement Board Systems
- Direct to CMU/Concrete, Stucco and Brick
- Interior Drywall
- Other substrates per FACADESXi

SHELF LIFE

12 months - stored off the ground, unopened, protected from moisture, extreme heat 90ºF (32ºC), and direct sunlight.

FEATURES / BENEFITS

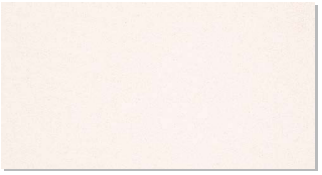
- Wet Polymer gives excellent adhesion
- Mildew Resistant
- Vapor Permeable
- Smooth consistency for easy application

PACKAGING / COVERAGE

65 lb (29.5 kg) Pails

The estimated coverage area per pail is based on the condition of the substrate and method of application:

Xi-Smooth Extra
180-200 ft² (16.7-18.6 m²)



Xi-Smooth
150-160 ft² (14-14.8 m²)

Xi-Medium Sand
120-130 ft² (11-12 m²)

Xi -Ultra Fine Sand
140-150 ft² (13-14 m²)

Xi-Coarse Sand
105-125 ft² (9.7-11.6 m²)

Xi-Fine Sand
130-140 ft² (12-13 m²)

Xi-Fine Swirl
120-130 ft² (11-12 m²)

Coverages are approximate and will vary depending on application methods and environmental/surface conditions.

FACADESXI
Xi-TEXTURED ACRYLIC FINISH COAT

SURFACE PREPARATION / JOB CONDITION

Temperature must be 40°F (4°C), at time of installation and for 24 hours after installation. Substrates must be above 40°F (4°C), unpainted and clear of dirt, dust, chalk, mildew, algae, foreign materials, etc.

Painted/loose/damaged substrates must have the loose paint removed and damage repaired.

FacadesOne & FacadesThree:
Cured/dried in accordance with product datasheet.

FacadesOne:
Moist cured for 24 hours and dried overnight.

FacadesThree:
Moist cured and dried in accordance with the International Building Code.

Xi-Base Coats:
Dried overnight (longer in cold/humid temperatures)

Concrete/Masonry/Stucco:

- Any new concrete surfaces or masonry work must wait a minimum of 28 days before the product is applied.
- Form-release agents. Dirt, efflorescence frost, and any bond breakers must be removed prior to application
- Patch and repair any non uniform areas to create a smooth surface and allow to dry.

Interior drywall:
Treat joints and fasteners per manufacturer and association application guidelines.

For surface preparation questions or further information, contact the FACADESXi Technical team.

CONTACT FACADESXI TECHNICAL FOR SPECIFIC INSTRUCTIONS.

APPLICATION

Before beginning:
Double check the color is the selected color. Color and samples must be approved by the owner prior to installation.

- Always maintain a wet edge when applying.
- Work product into all corners and joints for smooth application.
- Cover each wall section with finish from the same batch number to maintain color consistency. Batch to batch may have very slight color variations.
- Do not apply in direct sunlight.
- Apply product with a clean, stainless steel trowel.
- Primer is always recommended for the smoothest most consistent color and texture.
- Maintain a uniform thickness based on the largest aggregate size of the finish when applying the finish coat.
- Do not install onto areas to receive sealant joints.

For all Finishes except Smooth:

1. Product can be applied with a plastic float or stainless steel trowel, however stainless steel is recommended for large aggregated finish. Continuously clean tools throughout the texturing process.
2. Maintain consistent pressure and movement throughout the application to achieve best texturing results.
3. Float finish before it has set up (approx. 20 minutes depending on temperature and humidity) -to avoid pulling aggregate and creating a non-uniform surface.

Xi-Smooth:

1. Use a clean, stainless steel trowel. Two tight coats are typically required to achieve the smoothest appearance.
2. For stucco brown coats, it is optional but recommended to level the surface with Xi-Plaster Level Coat and let thoroughly dry prior to application.
3. Apply first coat and allow to dry thoroughly enough to avoid disruption during the second coat application.
4. Trowel to desired smoothness when the second coat is partially dry.
5. To further enhance smoothness, add light, consistent water mist during the smoothing process. Please note: variations in smoothness and color appearance can be expected.

Xi-Smooth Limestone:
1. Follow Xi-Smooth Steps 1-5 above 2. Coat 1: Xi-Fine 1.0 3. Coat 2: Xi-Smooth

Spray application recommendations:
For best results, application using the spray method should be executed with consistent motion and pressure. Maintain a consistent distance and angle when using spray application.

- A sample/mock up should be submitted and approved using the same tools, methods and products that will be used on the project.
- Protect the finish from rain, freezing, until cured at least 1-4 hours, longer in cold or humid climates before application of finishes.
- Under normal humidity and temperatures, drying time ranges from 1-4 hours. Drying time may exceed this range with high humidity and cold temperatures

FACADESXI
Xi-TEXTURED ACRYLIC FINISH COAT

MIXING

1. Thoroughly mix with a rust-free, clean paddle until the entire product is consistent throughout the pail. Avoid air bubbles while mixing.

2. A small amount of water may be added for workability. When using multiple pails, use the same amount of water in each one (up to 10 oz.)

   - Keep the container closed when not in use.
   - Do not overwater

CLEAN UP

Clean tools and equipment with water immediately after use. Dried material can only be removed mechanically.

TESTING

TESTING	TEST METHOD	TEST CRITERIA	TEST RESULTS
Absorption Resistance	ASTM D968	No cracking or loss of film integrity at 528 quarts (500 L) of sand	Pass
Absorption/ freeze / Thaw Resistance	ASTM E2485	No deleterious effects* at 60 cycles when viewed under 5x magnification	Pass
Accelerated Weathering	ASTM G153	No deleterious effects* at 2000 hours when viewed under 5x magnification	Pass: 5000 hours
Degree of Chalking after 5000 hrs Accelerated Weathering	ASTM D4214	N/A	No Chalking >8 Rating
Flexibility	ASTM D522	N/A	Passed: 1.5" diameter @ 73° F
Freeze Thaw Resistance	ASTM E 2485	No deleterious effects after 10 cycles	Pass: 60 Cycles
Mildew Resistance	ASTM D3273	No growth supported during 28 day exposure period	Pass
Salt Spray resistance	ASTM B117	No deleterious effects after 300 hours exposure	Pass
Surface Burning (individual components)	ASTM E84	Individual components shall each have a flame spread of 25 or less, and smoke developed of 450 or less	Flame Spread: 0 to 15 Smoke Developed: 0 to 15
Water Vapor Transmission (Permeance)	ASTM E96	Report	51 US Perms Pass

CAUTIONS / LIMITATIONS

- Use only on surfaces that are sound, dry, clean, unpainted, and free from any residue that may affect the ability of the Xi-Textured Acrylic Finish to bond.
- Cold or humid weather will extend drying time.
- Application in direct sunlight will reduce open time significantly.
- Use clean materials and tools to prevent contamination of the material.
- Not for use below grade, or in immersion.
- Not for direct use over wood substrates.
- Do not over water the mix.
- In no way is FACADESXi responsible for color variations or color correctness after the product has been applied or for application or substrates out of accordance with the manufacturers, building code, association standards or guidelines.
- Wear protective eye-wear and clothing.
- For Exterior Insulation and Finish Systems (EIFS), select finish colors with a lightness value (lrv) of 20 or greater.

FACADESXI
Xi-TEXTURED ACRYLIC FINISH COAT

SAFETY

KEEP OUT OF REACH OF CHILDREN.
FOR PROFESSIONAL USE ONLY.
DO NOT ALLOW PRODUCT TO FREEZE.
VOC < 10 grams per liter.

The instructions for use and application and warnings have been prepared in good faith based on the information available at the time of publication.

All instructions are intended to provide product users with the proper guidelines for use and application under normal working and environmental conditions. Because each project and user is different, FACADESXi cannot be held responsible for any consequences of variations in conditions or for unforeseen conditions when using this product.

For the most up to date information go to **www.facadesxi.com**

WARNINGS

Use of this product can expose you to Crystalline Silica, a chemical that has been known to the State of California to cause cancer, birth defects, or other reproductive harm. For more information: https://P65Warnings.ca.gov

INHALATION

This product is considered an irritant if proper precautions aren't followed. Use a NIOSH approved respirator mask and adequate ventilation when using the product. Avoid overexposure. Open windows and doors to confined areas during the application and drying process. Ensure fresh airflow is available. Leave the area of application immediately if you experience watery eyes, dizziness, or a headache.

SKIN CONTACT

Do not get product in your eyes or on your skin. Wash hands thoroughly after use.

EYE CONTACT

Rinse eyes thoroughly with water for several minutes. Remove contact lenses then continue to rinse.

DO NOT TAKE INTERNALLY

Immediately contact the Poison Control Center if swallowed. Store product in its original container sealed tightly after use.

EXPOSURE TO LEAD

Scraping sand or old paint chips may result in toxic lead exposure. Contact the National Lead Information Hotline at 1-800-424-LEAD or head over to https://epa.gov/lead for more information.

PLEASE NOTE

The most current Safety Data Sheet and Product Data Sheet can be found on our website for more information on product handling.

FARMINGTON MUNICIPAL SCHOOLS
PRESCHOOL ACADEMY EAST
CONSTRUCTION DOCUMENTS
MARCH 21, 2024

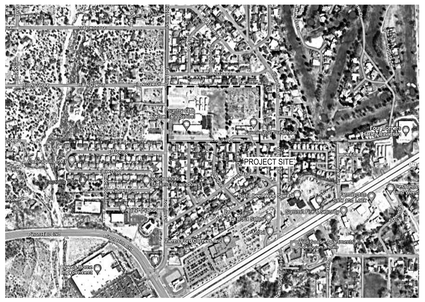
SHEET INDEX:

1 DUPLICATED SHEETS REMOVED

PROJECT ADDESS

5840 Fortuna Dr.
Farmington, New Mexico 87402
p_505.599.8625

PUBLIC SCHOOL FACILITIES AUTHORITY
Project #: K23-001



VICINITY MAP
5840 Fortuna Dr.
Farmington, NM 87402

BIM MODEL REQUIREMENTS

BIM MODEL SUBMITTAL & COORDINATION REQUIREMENTS

All requirements noted in individual specification sections for submittal of coordination drawings and shop drawings shall be strictly followed. Item or Equipment fabrications and installations that occur prior to the approval of these drawings shall be subject to removal and replacement at no additional cost to the owner.

In addition to the required drawings noted above, contractor shall prepare BIM (Building Information Model) for the systems noted below. The intent of this BIM model is to determine conflicts and coordinate solutions that will resolve final system installation. The contractor may use the overall BIM model to generate the coordination drawings and vice-versa.
1. HVAC
2. Plumbing
3. Electrical
4. Fire Protection
5. Special Systems
6. Structural

OWNER

FARMINGTON MUNICIPAL SCHOOLS
In Collaboration with the Public School Facilities Authority

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STATE OF NEW MEXICO
03/21/2024
SANJAY I. ENGINEER
No. 3088
REGISTERED ARCHITECT

ARCHITECT SET NO.

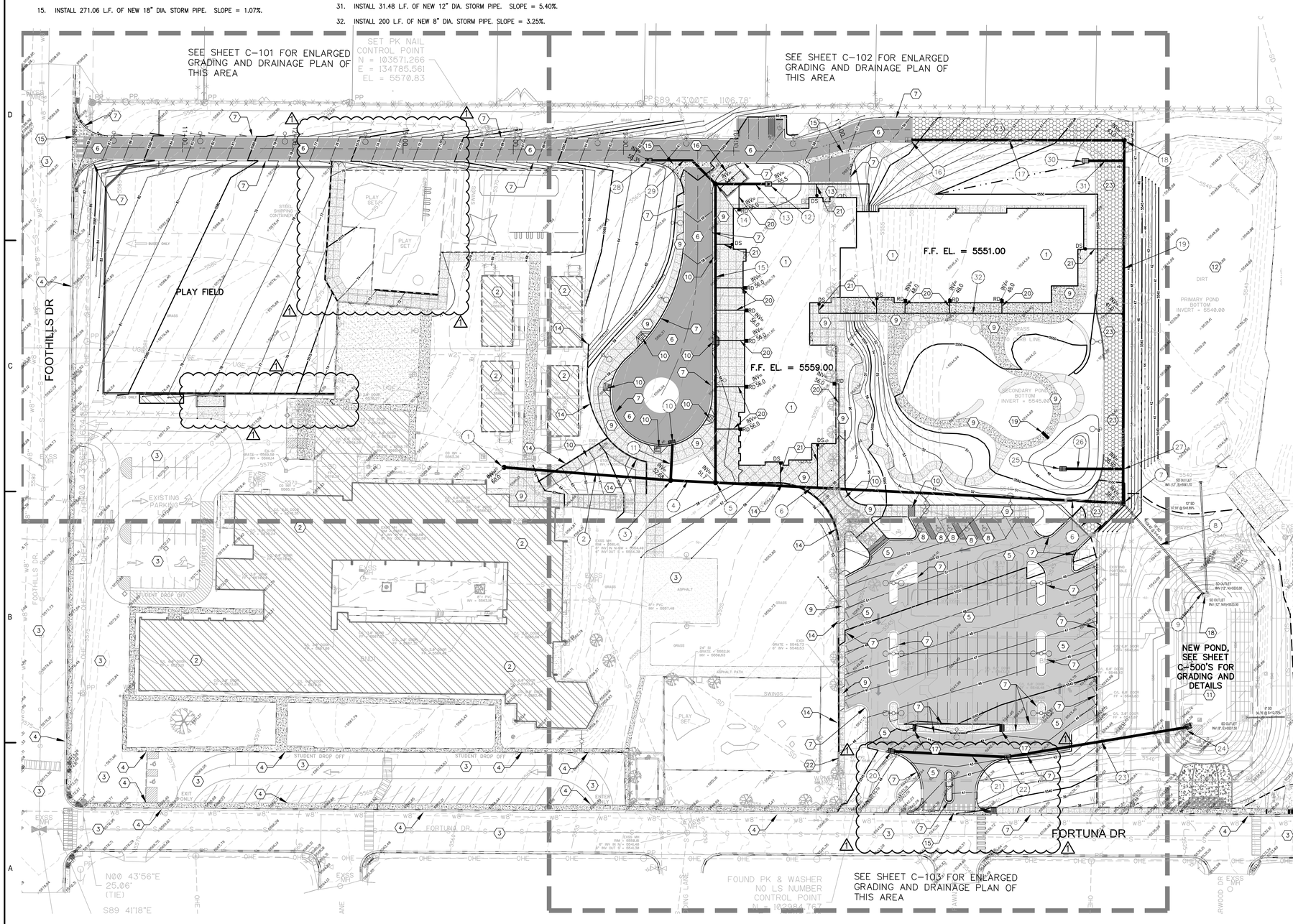
STORM DRAIN KEYED NOTES: (#)

1. INSTALL NEW 4' DIA. MANHOLE OVER EXISTING STORM DRAIN. RIM EL. = 66.30, INV. IN EL. = 63.34, INV. OUT EL. = 60.30.
2. INSTALL 151.50 L.F. OF NEW 12" DIA. STORM PIPE, S=5.0%.
3. INSTALL NEW 4' DIA. STANDARD MANHOLE. RIM EL. = 57.69, INV EL. = 52.68.
4. INSTALL 40.75 L.F. OF NEW 12" DIA. STORM PIPE. SLOPE = 2.40%.
5. INSTALL NEW 4' DIA. STANDARD MANHOLE. RIM EL. = , INV. EL. = 51.69.
6. INSTALL 370.33 L.F. OF NEW 18" DIA. STORM PIPE, SLOPE = 3.56%.
7. INSTALL NEW 4' DIA. STANDARD MANHOLE. RIM EL. = 44.50, INV. IN EL. = 38.50 (N,W), INV. OUT EL. = 36.50 (SE)
8. NEW 18" DIA. STORM DRAIN PIPE BY OTHERS, SEE POND SHEETS C-500'S.
9. SEE NEW POND SHEETS BY C-500'S BY OTHERS.
10. INSTALL NEW TYPE D STORM INLET. GRATE EL. = 57.00, INV. EL. = 53.00.
11. INSTALL 32.43 L.F. OF NEW 12" DIA STORM PIPE. SLOPE = 1.0%.
12. INSTALL NEW TYPE D STORM INLET. GRATE EL. = 58.50, INV. EL. = 55.50.
13. INSTALL 44.90 L.F. OF 12" DIA. STORM PIPE. SLOPE = 2.0%.
14. INSTALL NEW 4' DIA. SHALLOW MANHOLE. RIM EL. = 59.75, INV. EL. 54.60.
15. INSTALL 271.06 L.F. OF NEW 18" DIA. STORM PIPE. SLOPE = 1.07%.

STORM DRAIN KEYED NOTES: (#)

16. INSTALL NEW TYPE A STORM INLET. GRATE EL. = 55.54, INV. EL. = 51.54.
17. INSTALL 192.55 L.F. OF NEW 12" DIA. STORM PIPE. SLOPE = 4.44%.
18. INSTALL NEW 4' DIA. STANDARD MANHOLE. RIM EL. = 47.00, INV. EL. = 43.00.
19. INSTALL 329.24 L.F. OF NEW 12" DIA. STORM PIPE. SLOPE = 1.37%.
20. INSTALL NEW TYPE D STORM INLET. GRATE EL. = 43.25, INV. EL. = 41.25.
21. INSTALL 99.63 L.F. OF 12" DIA. STORM PIPE. SLOPE = 1% MINIMUM.
22. INSTALL NEW TYPE D STORM INLET. GRATE EL. = 43.00, INV. EL. = 39.0.
23. INSTALL 161.00 L.F. OF NEW 12" DIA. STORM PIPE. SLOPE = 4.50%.
24. INV. OUT EL. = 33.00.
25. INSTALL NEW TYPE D STORM INLET. GRATE EL. = 47.00, INV. EL. = 43.00.
26. INSTALL 51.10 L.F. OF 12" DIA. STORM PIPE, SLOPE = 7.98%.
27. INSTALL 12"x12"x12" STORM TEE. INV. OUT EL. = 38.92.
28. INSTALL NEW TYPE A STORM INLET. GRATE EL. = 61.35, INV. EL. = 58.35.
29. INSTALL 66.37 L.F. OF NEW 12" DIA. STORM PIPE. SLOPE = 1.0% MIN.
30. INSTALL NEW TYPE D STORM INLET. GRATE EL. = 48.75, INV. EL. = 44.75.
31. INSTALL 31.48 L.F. OF NEW 12" DIA. STORM PIPE. SLOPE = 5.40%.
32. INSTALL 200 L.F. OF NEW 8" DIA. STORM PIPE. SLOPE = 3.25%.

SEE ARCHITECTURAL PLANS FOR PHASING/SEQUENCE PLAN



A1 OVERALL GRADING PLAN
Scale: 1" = 40'-0"

LEGEND:

38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)
MATCH (95.19)	MATCH EXISTING ELEVATIONS
WHA	WATER HARVEST AREA
TS	TOP OF SIDEWALK
TOC	TOP OF CONCRETE
FL	FLOW LINE, CURB
INV	INVERT
FG	FINISH GRADE
TBC	TOP OF BASE COURSE
TC	TOP OF CURB
TG	TOP OF GRATE
	FLOW ARROW
	PROPOSED MANHOLE
	GRADE BREAK–HIGH POINT
	SWALE
SD	STORM DRAIN LINE
5895	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
5895	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

KEYED NOTES: (#)

1. NEW BUILDING, SEE ARCHITECTURAL PLANS FOR DETAILS.
2. EXISTING BUILDING TO REMAIN.
3. EXISTING ASPHALT PAVING.
4. EXISTING CURB AND GUTTER.
5. NEW LIGHT DUTY ASPHALT PAVING. SEE TYPICAL SECTIONS SHEET D-404.
6. NEW HEAVY DUTY ASPHALT PAVING. SEE TYPICAL SECTION SHEET D-404.
7. NEW STANDARD CURB AND GUTTER, SEE DETAIL SHEET D-401.
8. NEW ADA PARKING SPACES WITH SIGNAGE. 2% MAX. SLOPE. ADJUST ELEVATIONS AT SIDEWALK TURN DOWN EDGE AS REQUIRED TO MAINTAIN 2% SLOPE ON ADA SPACES.
9. NEW CONCRETE FLAT WORK/SIDEWALK, SEE ARCHITECTURAL PLANS FOR DETAILS.
10. NEW ADA RAMP, SEE ARCHITECTURAL PLANS FOR DETAILS.
11. NEW WATER HARVEST HARVEST AREA, SEE DETAILS SHEET D-402.
12. EXISTING WATER HARVEST AREA TO REMAIN.
13. NEW LOADING DOCK, SEE ARCHITECTURAL FOR DETAILS.
14. NEW RETAINING WALLS, SEE STRUCTURAL PLANS FOR DETAILS.
15. NEW CONCRETE VALLEY GUTTER WITH FILLETS, SEE DETAIL SHEET D-401.
16. NEW TRASH ENCLOSURE, SEE ARCHITECTURAL PLANS FOR DETAILS.
17. NEW 24" WIDE SIDEWALK CULVERT, SEE DETAILS SHEET D-401.
18. INSTALL NEW 5'x5' RIPRAP BLANKET. SEE DETAIL ON SHEET D-401.
19. INSTALL NEW (3) – 6" DIA. PVC PIPES @ 2.0% SLOPE TO DRAIN PLAY AREA UNDER WOOD FIBER MULCH. INV(IN)=48.0, INV(OUT)=47.8, L = 10'.
20. INSTALL NEW 6" DIA. STORM DRAIN PIPE AND CONNECT TO BUILDING ROOF DRAIN. MIN. SLOPE = 2.0%
21. INSTALL NEW 6" DIA. STORM DRAIN PIPE AND CONNECT TO BUILDING DOWN SPOUT. MIN. SLOPE = 2.0% SEE CONNECTION DETAIL ON SHEET C-500.
22. EXISTING RETAINING WALL.
23. NEW BASE COURSE EMERGENCY ACCESS ROAD SEE TYPICAL SECTION SHEET C-404.

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CONSTRUCTION DOCUMENTS
MARCH 14, 2024

MARK	DATE	DESCRIPTION
1	7-25-2024	ADDENDUM 01,

ISSUE:	100% CD
DATE:	MARCH 14, 2024
PROJECT NO:	
DRAWN BY:	MEC
CHECKED BY:	VAM

SHEET TITLE
OVERALL GRADING AND DRAINAGE PLAN

C-100

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Farmington Preschool Academy

SEE ARCHITECTURAL PLANS
FOR PHASING/SEQUENCE PLAN

SET PK NAIL
CONTROL POINT
N = 103571.266
E = 134785.561
EL = 5570.83

SEE SHEET C-101

SEE SHEET C-102

FOOTHILLS DR

PLAY FIELD

PLAY SET

SWINGS

STEEL SHIPPING CONTAINER

BUSES ONLY

EXISTING PARKING

DROP OFF

SEE SHEET C-102 FOR ENLARGED GRADING AND DRAINAGE PLAN OF THIS AREA

LEGEND:

38.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)
MATCH (95.19)	MATCH EXISTING ELEVATIONS
WHA	WATER HARVEST AREA
TS	TOP OF SIDEWALK
TOC	TOP OF CONCRETE
FL	FLOW LINE, CURB
INV	INVERT
FG	FINISH GRADE
TBC	TOP OF BASE COURSE
TC	TOP OF CURB
TG	TOP OF GRATE
	FLOW ARROW
	PROPOSED MANHOLE
	GRADE BREAK–HIGH POINT
	SWALE
SD	STORM DRAIN LINE
5895	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
5895	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

KEYED NOTES:

1. EXISTING BUILDING TO REMAIN.
2. EXISTING ASPHALT PAVING.
3. EXISTING CURB AND GUTTER.
4. NEW HEAVY DUTY ASPHALT PAVING. SEE TYPICAL SECTIONS SHEET D-404.
5. NEW STANDARD CURB AND GUTTER, SEE DETAIL SHEET D-401.
6. NEW CONCRETE VALLEY GUTTER WITH FILLETS,, SEE DETAIL SHEET D-401.
7. NEW CONCRETE RETAINING WALL, SEE STRUCTURAL.
8. NEW LIGHT DUTY ASPHALT PAVING. SEE DETAIL SHEET D-401.
9. NEW CONCRETE HEADER CURB TO MAINTAIN 2% MAX CROSS SLOPE ON SIDEWALK. SEE DETAIL SHEET C-401.
10. NEW CONCRETE FLAT WORK/SIDEWALK, SEE ARCHITECTURAL PLANS FOR DETAILS.
11. NEW ADA RAMP, SEE DETAIL SHEET D-401.
12. NEW SIDEWALK SEE DETAILS SHEET D-401.
13. NEW HEAVY DUTY CONCRETE APRON AT DUMPSTER, SEE ARCHITECTURAL PLANS FOR DETAILS.
14. NEW CONEX, ARCHITECTURAL PLANS FOR DETAILS.

SCALE: 1"=20'
CONTOUR INTERVAL = 1'

A1 ENLARGED WEST GRADING PLAN
Scale: 1" = 20'-0"

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CONSTRUCTION DOCUMENTS
MARCH 14, 2024

MARK	DATE	DESCRIPTION
1	ADDENDUM 01,	7-25-2024

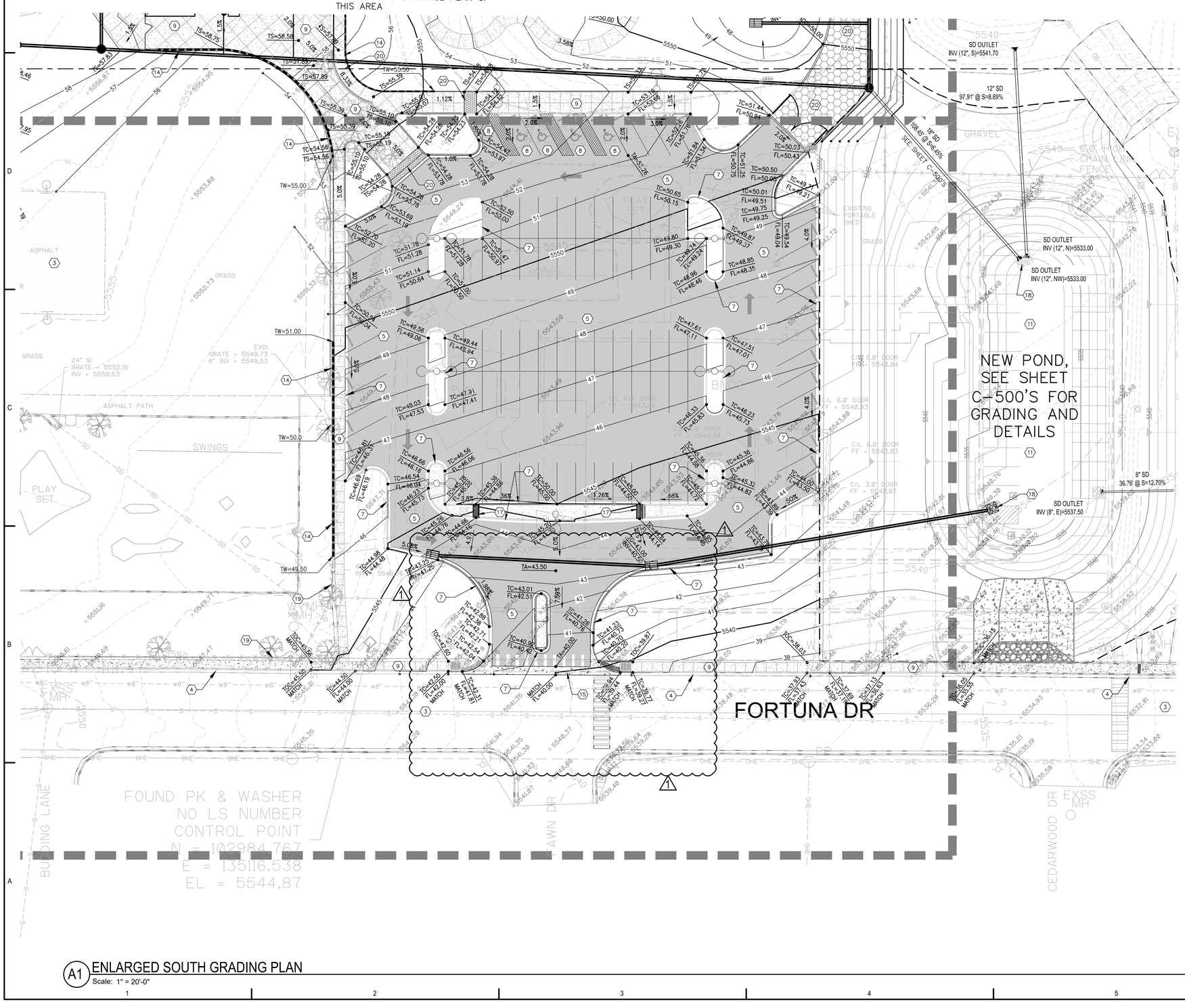
ISSUE:	100% CD
DATE:	MARCH 14, 2024
PROJECT NO:	
DRAWN BY:	MEC
CHECKED BY:	VAM

SHEET TITLE

ENLARGED WEST GRADING AND DRAINAGE PLAN

C-101

SEE ARCHITECTURAL PLANS FOR PHASING/SEQUENCE PLAN



A1 ENLARGED SOUTH GRADING PLAN
Scale: 1" = 20'-0"

LEGEND

78.00 FG	PROPOSED SPOT ELEVATIONS (FINISHED GRADE)
MATCH (95.19)	MATCH EXISTING ELEVATIONS
WHA	WATER HARVEST AREA
TS	TOP OF SIDEWALK
TCON	TOP OF CONCRETE
FL	FLOW LINE, CURB
INV	INVERT
FG	FINISH GRADE
TBC	TOP OF BASE COURSE
TC	TOP OF CURB
TG	TOP OF GRATE
	FLOW ARROW
	PROPOSED MANHOLE
	GRADE BREAK–HIGH POINT
	SWALE
SD	STORM DRAIN LINE
5895	PROPOSED MAJOR CONTOUR
	PROPOSED MINOR CONTOUR
5895	EXISTING MAJOR CONTOUR
	EXISTING MINOR CONTOUR

KEYED NOTES:

1. NEW BUILDING, SEE ARCHITECTURAL PLANS FOR DETAILS.
2. EXISTING BUILDING TO REMAIN.
3. EXISTING ASPHALT PAVING.
4. EXISTING CURB AND GUTTER.
5. NEW LIGHT DUTY ASPHALT PAVING. SEE TYPICAL SECTIONS SHEET D–404.
6. NEW HEAVY DUTY ASPHALT PAVING. SEE TYPICAL SECTIONS SHEET D–404.
7. NEW STANDARD CURB AND GUTTER, SEE DETAIL SHEET D–401.
8. NEW ADA PARKING SPACES WITH SIGNAGE. 2% MAX. SLOPE. ADJUST ELEVATIONS AT SIDEWALK TURN DOWN EDGE AS REQUIRED TO MAINTAIN 2% SLOPE ON ADA SPACES.
9. NEW CONCRETE FLAT WORK/SIDEWALK, SEE ARCHITECTURAL PLANS FOR DETAILS.
10. NEW ADA RAMP, SEE ARCHITECTURAL PLANS FOR DETAILS.
11. NEW WATER HARVEST HARVEST AREA, SEE DETAILS SHEET D–402.
12. EXISTING WATER HARVEST AREA TO REMAIN.
13. NOT USED.
14. NEW RETAINING WALLS, SEE STRUCTURAL PLANS FOR DETAILS.
15. NEW CONCRETE VALLEY GUTTER WITH FILLETS,, SEE DETAIL SHEET D–401.
16. NOT USED.
17. NEW 24" WIDE SIDEWALK CULVERT, SEE DETAILS SHEET D–401.
18. INSTALL NEW 5'x5' RIPRAP PAD, SEE DETAIL ON SHEET D–401.
19. EXISTING RETAINING WALL TO REMAIN.
20. NEW EMERGENCY ACCESS ROADWAY, SEE TYPICAL SECTIONS SHEET D–404.
21. NEW ADA RAMP AND STAIRS, SEE ARCHITECTURAL PLANS FOR DETAILS.

SCALE: 1"=20'
CONTOUR INTERVAL = 1'

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CONSTRUCTION DOCUMENTS
MARCH 14, 2024

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DATE:	MARCH 14, 2024
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SHEET TITLE
ENLARGED SOUTH GRADING AND DRAINAGE PLAN

C-103

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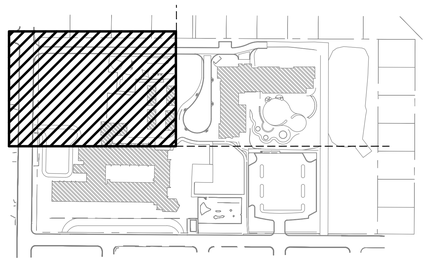
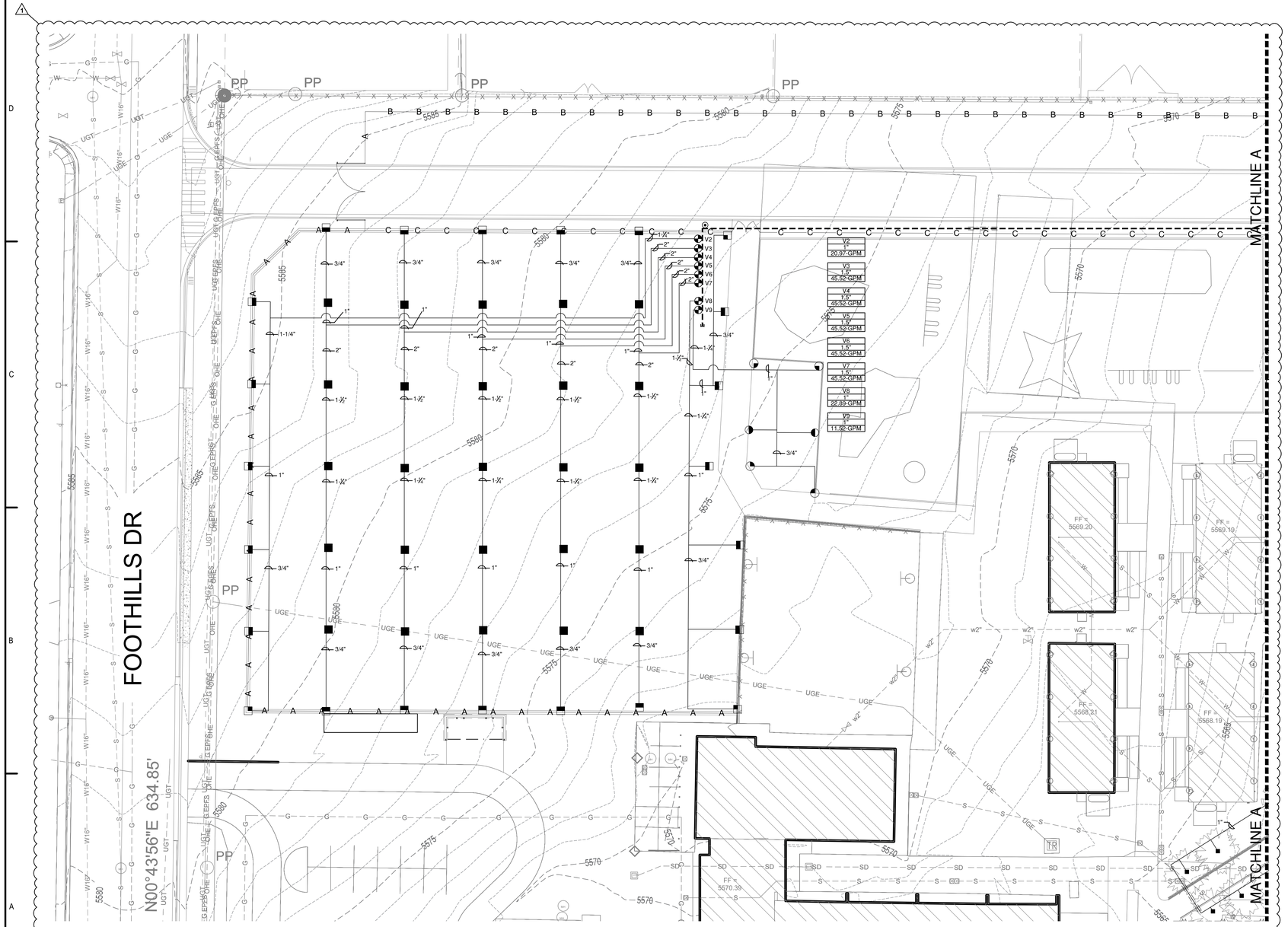
Farmington Preschool Academy



KEY MAP
N.T.S.

SEE ARCHITECTURAL PLANS
FOR PHASING/SEQUENCE PLAN



A1 IRRIGATION PLAN
0 20 40
SCALE: 1" = 20'

IRRIGATION LEGEND

- MAIN LINE, LATERAL, AND DRIP LINE SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE IRRIGATION NOTE C.
- WIRE SLEEVE PIPING: CLASS 200, SDR-21, BELL-END, SOLVENT WELD PVC, SEE IRRIGATION NOTE C.
- IRRIGATION MAIN LINE: SCHEDULE 40, BELL END, SOLVENT WELD PVC, SIZE 2". DEPTH OF BURY 36" FOR CONTINUOUS PRESSURE IRRIGATION MAIN, 18" FOR NON-CONTINUOUS.
- IRRIGATION LATERAL LINE, SCH. 40, BELL-END, SOLVENT WELD PVC. DEPTH OF BURY 18". SIZE AS SHOWN ON PLAN. PIPE CONVEYING LESS THAN 5 GPM SHALL BE 3/4".
- ISOLATION VALVE: SPEARS SCH. 80 PVC BALL VALVE, LINE SIZE. SEE DETAIL C5/LI-501.
- BACKFLOW PREVENTER, AND MASTER VALVE ASSEMBLY, FEBCO 825YA, 2" REDUCED PRESSURE PRINCIPLE BACKFLOW PREVENTER IN HOT BOX MODEL NO. HB2 HEATED AND INSULATED BACKFLOW ENCLOSURE AND RAINBIRD 200 PEB PLASTIC-BODY 24-VOLT MASTER VALVE IN TAN VALVE BOX WITH TAN LID. SEE DETAILSI A1/LI-501 AND A3/LI-501.
- REMOTE CONTROL VALVE ASSEMBLY, RAINBIRD PEB SERIES, PLASTIC BODY 24-VOLT AUTOMATIC VALVE (OR APPROVED EQUAL), SIZE AS SHOWN ON PLAN. SEE DETAIL C3/LI-501.
- FLOW METER, MASTER METER, SIZE 2" IN TAN VALVE BOX WITH TAN LID. INSTALL PER IRRIGATION DETAILS. CONNECT FLOW METER TO CONTROLLER PER MANUFACTURER'S SPECIFICATIONS.
- AIR RELEASE VALVE, CRISPIN AL10. INSTALL AT HIGH POINT ON THE MAIN LINE. SEE DETAIL A5/LI-501.
- SOLVENT WELD CAP: SCH. 40 PVC, LINE SIZE.
- CONTROLLER, RAINBIRD ESP-LXME CONTROLLER WITH EXPANSION MODULES AS REQUIRED TO CONNECT EXISTING VALVES. PEDESTAL MOUNT PER MANUFACTURER'S SPECIFICATIONS. PEDESTAL SHALL BE RAIN BIRD MODEL LXMMSSPED STAINLESS STEEL PEDESTAL WITH MODEL LXMMSS STAINLESS STEEL CONTROLLER CABINET. SEE DETAIL C1/LI-501.

PRESSURE COMPENSATING BUBBLER ASSEMBLIES, RAIN BIRD 1400 SERIES, SEE DETAILS D1/LI-501, D2/LI-501 AND D4/LI-501.

	MODEL NO.	GPM	PSI	NOTE
▲	1401	.25	30	
●	1401	.5	30	2 PER SHRUB
■	1402	1.0	30	2 PER TREE

ROTARY POP-UP SPRINKLER ASSEMBLIES, RAIN BIRD 5000+ SERIES, 6" STAINLESS STEEL WITH MPR NOZZLES AS FOLLOWS: SEE DETAIL D5/LS-501.

MODEL NO.	RADIUS	GPM	PSI	PR D
5006+PCSAMRSS	35' (BEIGE)	1.92	45	.60
5006+PCSAMRSS	35' (BEIGE)	3.81	45	.60
5006+PCSAMRSS	35' (BEIGE)	7.58	45	.60
5006+PCSAMRSS	30' (GREEN)	1.40	45	.60
5006+PCSAMRSS	30' (GREEN)	2.96	45	.63
5006+PCSAMRSS	25' (RED)	1.00	45	.62
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IRRIGATION KEYED NOTES

1. 2" TEE FROM DOMESTIC WATER SERVICE TO BUILDING, SEE SITE UTILITY PLAN.
2. CONTRACTOR SHALL ADJUST COVERAGE OF EXISTING IRRIGATION HEADS TO ACHIEVE HEAD-TO-HEAD COVERAGE AT EXISTING LAWN AREA.

IRRIGATION GENERAL NOTES

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B. THIS SYSTEM WAS DESIGNED TO OPERATE AT A MINIMUM STATIC PRESSURE OF 80 PSI AT THE POINT OF CONNECTION. THE CONTRACTOR SHALL VERIFY ACTUAL PSI AND DELIVER RESULTS TO LANDSCAPE ARCHITECT PRIOR TO CONSTRUCTION. IN THE EVENT THE ACTUAL PSI IS LESS THAN 80 PSI THE CONTRACTOR SHALL RECEIVE DIRECTION FROM LANDSCAPE ARCHITECT REGARDING POSSIBLE DESIGN MODIFICATIONS PRIOR TO INSTALLATION OF ANY IRRIGATION COMPONENTS. THE PRESSURE READING SHALL BE PERFORMED IN THE PRESENCE OF THE OWNER'S AUTHORIZED REPRESENTATIVE. RESULTS SHALL BE INCLUDED IN THE CONTRACTOR'S IRRIGATION EQUIPMENT SUBMITTAL INDICATING DATE AND TIME OF PRESSURE READING AND THE NAME OF ATTENDING OWNER'S REPRESENTATIVE.

C. CONTRACTOR SHALL INSTALL MAIN LINE AND LATERAL LINES IN SLEEVE PIPING AT ALL LOCATIONS WHERE LINES CROSS BENEATH PAVING OR RETAINING WALLS. SLEEVES SHALL BE CLASS 200, SDR-21, BELL END SOLVENT WELD PVC, TWO SIZES LARGER THAN PIPE TO BE CONTAINED (UNLESS OTHERWISE NOTED ON PLAN). SLEEVES FOR PVC SHALL BE AT LINE BURY DEPTH. COORDINATE IRRIGATION SLEEVE INSTALLATION WITH ALL TRADES TO ENSURE SLEEVES ARE INSTALLED PRIOR TO INSTALLATION OF CURB AND GUTTER, CONCRETE AND ASPHALT PAVEMENT, SIDEWALKS, SLABS, WALLS, ETC.

D. IRRIGATION PIPE ROUTING IS SHOWN DIAGRAMMATICALLY AND MAY REQUIRE MINOR FIELD ADJUSTMENTS. IN THE CASE OF MAJOR ADJUSTMENTS OR CHANGES TO THE DESIGN, CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IN WRITING PRIOR TO PROCEEDING WITH THE WORK. ACTUAL PIPE ROUTING AND EQUIPMENT LOCATIONS SHALL BE COMPLETELY AND ACCURATELY NOTED IN THE PROJECT AS-BUILTS TO BE PROVIDED BY THE CONTRACTOR.

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F. CONTRACTOR SHALL PROVIDE TWO 120V, 20 AMP CIRCUITS FROM ELECTRICAL PANEL TO IRRIGATION BACKFLOW PREVENTER ENCLOSURE AND IRRIGATION CONTROLLER (ONE TO EACH). SEE ELECTRICAL DRAWINGS. WORK AND MATERIALS BE IN COMPLIANCE WITH LOCAL CODES AND THE NATIONAL ELECTRIC CODE (N.E.C.).

VALVE TAG KEY

1	VALVE NUMBER
2"	VALVE SIZE
44.43-GPM	GALLONS PER MINUTE

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WILLIAM MOSES
No. 479
REGISTERED LANDSCAPE ARCHITECT
03/21/2024

LANDSCAPE ARCHITECT

FARMINGTON PRESCHOOL ACADEMY
5840 FORTUNA DR.
FARMINGTON, NM 87402

100% CONSTRUCTION DOCUMENTS
MARCH 21, 2024

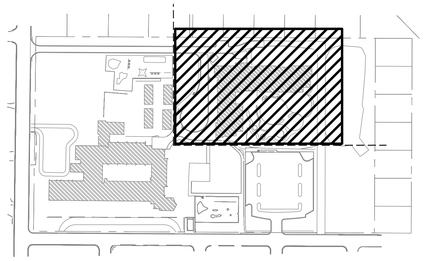
MARK	DATE	DESCRIPTION
1	8/16/24	ADDENDUM

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	MARCH 21, 2024
PROJECT NO:	K23-001
DRAWN BY:	TW
CHECKED BY:	WM

SHEET TITLE
IRRIGATION PLAN

LI-101

Farmington Preschool Academy



KEY MAP
N.T.S.

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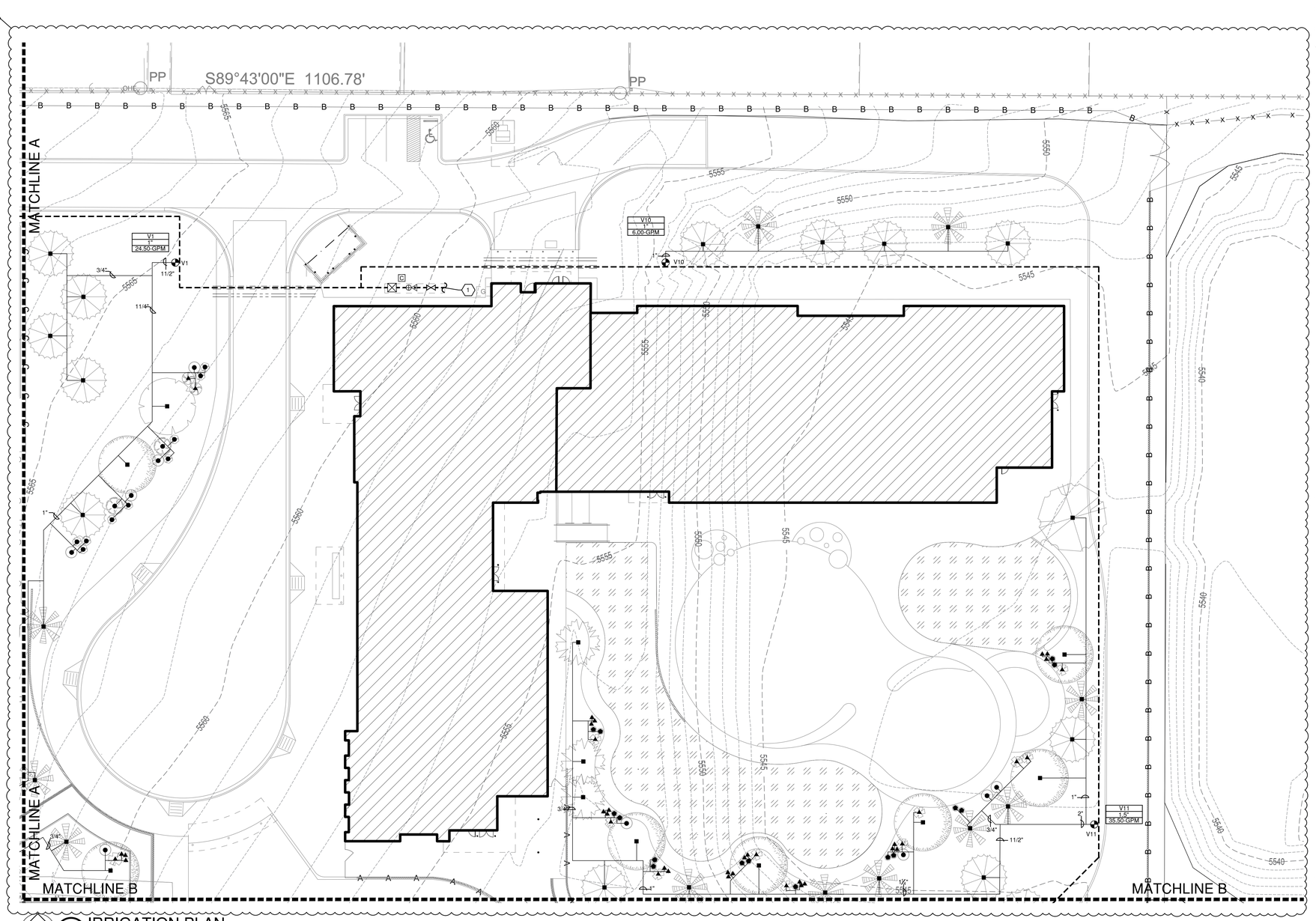

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SCALE: 1" = 20'

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03/21/2024

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100% CONSTRUCTION DOCUMENTS
MARCH 21, 2024

MARK	DATE	DESCRIPTION
1	8/16/24	ADDENDUM

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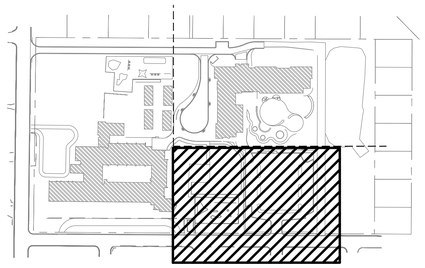
PROJECT NO:	K23-001
DRAWN BY:	TW
CHECKED BY:	WM

SHEET TITLE
IRRIGATION PLAN

LI-102



KEY MAP
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SEE ARCHITECTURAL PLANS
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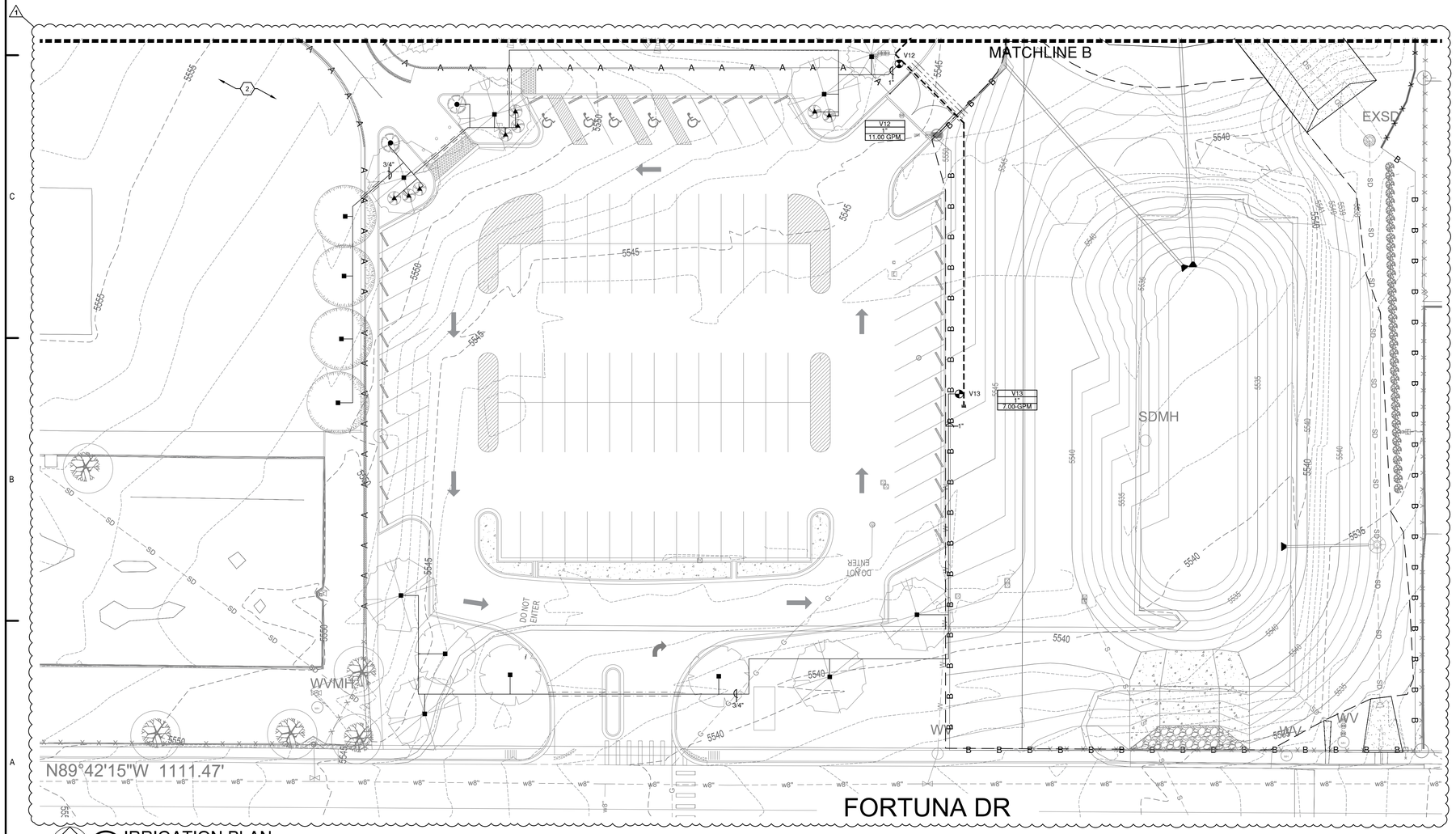

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LANDSCAPE ARCHITECT

FARMINGTON PRESCHOOL ACADEMY
5840 FORTUNA DR.
FARMINGTON, NM 87402

100% CONSTRUCTION DOCUMENTS
MARCH 21, 2024

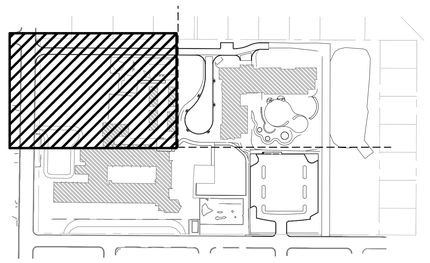
MARK	DATE	DESCRIPTION
1	8/16/24	ADDENDUM

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	MARCH 21, 2024
PROJECT NO:	K23-001
DRAWN BY:	TW
CHECKED BY:	WM

SHEET TITLE
IRRIGATION PLAN

LI-103

Farmington Preschool Academy



KEY MAP
N.T.S.

PLANTING LEGEND

CODE	COMMON NAME	BOTANICAL NAME	QTY.	MIN. INSTALLED SIZE	CONTAINER	MATURE SIZE
TREES						
AE	'ACCOLADE' ELM	ULMUS X. 'ACCOLADE'	8	2" CAL, 12'-14' HT	B&B	30' HT & SPD
AU	AUSTRIAN PINE	PINUS NIGRA	14	MIN 5' HT.	B&B	30' HT & 20' SPD
CP	CHINESE PISTACHE	PISTACIA CHINENSIS	11	2" CAL, 12-14' HT	B&B	25' HT & SPD
PP	PIÑON PINE	PINUS EDULIS	7	MIN 5' HT.	B&B	20' HT & 15' SPD
RO	ROCKY MT. JUNIPER (FEMALE)	JUNIPERUS SCOPULORUM	11	MIN 5' HT.	B&B	35' HT & SPD
TE	TEXAS RED OAK	QUERCUS BUCKLEYI	4	2" CAL, 12-14' HT	B&B	30' HT X 20' SPD
SHRUBS						
AP	APACHE PLUME	FALLUGIA PARADOXA	10	MIN 18" HT	5-GAL	4' HT & SPD
CU	CURL-LEAF MT. MAHOGANY	CERCOCARPUS LEDIFOLIUS	5	MIN 18" SPD	5-GAL	8' HT & SPD
BS	BLUE MIST SPIREA	CARYOPTERIS X CLANDONENSIS	9	MIN 18" HT	5-GAL	4' HT & SPD
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BL	'BLONDE AMBITION' BLUE GRAMA	BOUTELOUA GRACILIS 'BLONDE AMBITION'	25	MIN 8" HT	5-GAL	2' HT & SPD
BE	BEAR GRASS	NOLINA MICROCARPA	11	MIN 8" HT	1-GAL	5' HT & SPD
SH	SHRUBBY CINQUEFOIL	POTENTILLA FRUCTOSA	17	MIN 12" HT	1-GAL	3' HT & SPD

EXISTING TREE TO REMAIN.

ACCENT BOULDER. SEE GENERAL NOTE F.

SEATING BOULDER. SEE GENERAL NOTE J.

PLANTING GENERAL NOTES

A. IF THERE IS A DISCREPANCY BETWEEN PLANT QUANTITIES LISTED IN THE PLANT SCHEDULE AND THOSE SHOWN ON THE PLANTING PLAN, QUANTITIES SHOWN ON THE PLAN SHALL GOVERN. CONTRACTOR SHALL VERIFY ALL QUANTITIES PRIOR TO BID. ADDITIONAL PAYMENT WILL NOT BE MADE FOR ANY DISCREPANCY IN QUANTITIES BETWEEN THE PLANTING PLAN AND THE PLANT SCHEDULE.

B. FURNISH AND INSTALL A 3" DEPTH OF LOCALLY AVAILABLE CRUSHED, WARM-TONE, 1"-Ø GRAVEL MULCH OVER FILTER FABRIC. SEE GENERAL NOTE I. TOP OF GRAVEL MULCH SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF GRAVEL MULCH FOR ARCHITECT REVIEW AND OWNER APPROVAL PRIOR TO INSTALLATION. LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY.

C. IF THERE IS A DISCREPANCY IN THE FIELD OR NURSERY BETWEEN THE CONTAINER SIZE LISTED UNDER "CONTAINER" AND HEIGHT & SPREAD LISTED UNDER "INSTALLED SIZE", THE SPECIFIED PLANT SHALL MEET HEIGHT & SPREAD REQUIREMENTS SPECIFIED UNDER "INSTALLED SIZE". IF A LARGER CONTAINER SIZE IS REQUIRED TO MEET THESE SPECIFICATIONS, IT SHALL BE PROVIDED AT NO ADDITIONAL COST TO THE OWNER.

D. TREES SHALL BE PLANTED PER DETAILS A1/LP-501 AND A3/LP-501.

E. SHRUBS SHALL BE PLANTED PER DETAILS C1/LP-501 AND C3/LP-501.

F. FURNISH ACCENT BOULDERS. BOULDERS SHALL BE MIN 12 CUBIC FOOT RIVER BOULDERS AS AVAILABLE FROM KW ENTERPRISES, (505) 334-2809, OR APPROVED EQUAL. INSTALL PER DETAIL C5/LP-501.

G. FURNISH AND INSTALL A 3" DEPTH OF LOCALLY AVAILABLE WARM-TONE CRUSHER FINES OVER A 3" DEPTH OF BASE COURSE. SELECT CRUSHER FINES THAT WILL REMAIN COMPACTED WHEN DRY AND PROVIDE A FIRM AND STABLE SURFACE. LOOSE CRUSHER FINES WILL NOT BE ACCEPTED. PROVIDE SAMPLE OF CRUSHER FINES FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION.

H. FURNISH AND INSTALL A SINGLE LAYER OF LOCALLY AVAILABLE WARM-TONE 4"-8" CRUSHED, ANGULAR COBBLE. COBBLE INSTALLED OVER FILTER FABRIC WILL NOT BE ACCEPTED. TOP OF ROCK MULCH SHALL BE 1" BELOW TOP OF ADJACENT PAVING. PROVIDE SAMPLE OF ROCK MULCH FOR REVIEW AND APPROVAL PRIOR TO INSTALLATION. LIMITS SHOWN ARE APPROXIMATE. CONTRACTOR SHALL FIELD VERIFY.

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J. FURNISH AND INSTALL SEATING BOULDER PER DETAIL D5/LP-501.

PLANTING HATCH LEGEND

- COMPACTED CRUSHER FINES. SEE GENERAL NOTE G.
- 1" GRAVEL MULCH SEE GENERAL NOTE B.
- 4-8" COBBLE, SEE GENERAL NOTE H.
- SOD. SEE KEYED NOTE 1.
- SYNTHETIC TURF. SEE KEYED NOTES 3 AND 4.
- EXISTING GRASS TO REMAIN. SEE KEYED NOTE 2 AND IRRIGATION PLAN.
- STRIPING ON ASPHALT. SEE KEYED NOTE 4.
- CONCRETE PAVEMENT. SEE KEYED NOTE 5.

PLANTING KEYED NOTES

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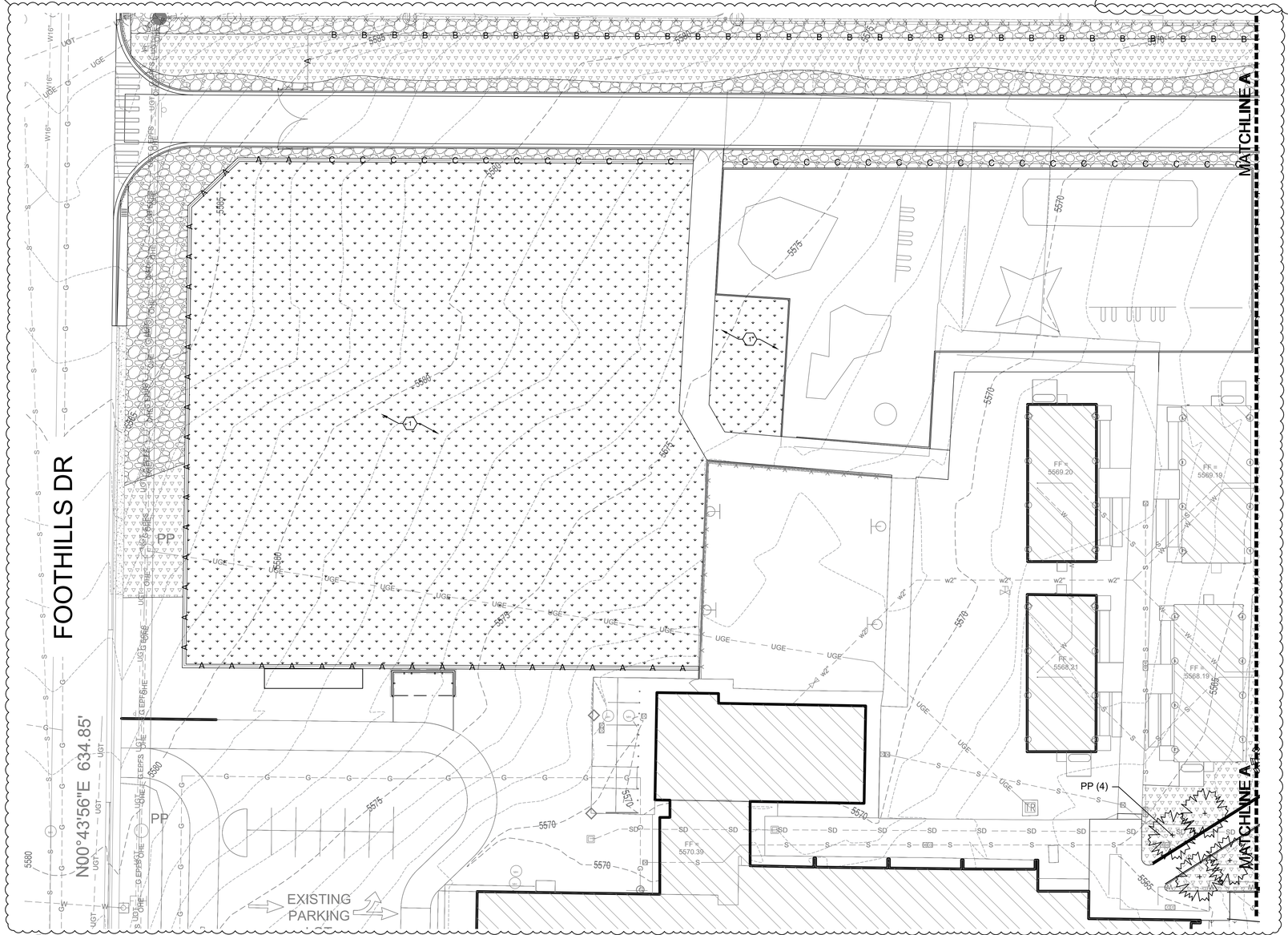
2. CONTRACTOR SHALL REPAIR ALL LAWN AREAS DAMAGED BY TRENCHING AND OTHER CONSTRUCTION ACTIVITIES BY SODDING. SEE SPECIFICATIONS.
3. FURNISH "PLAY PLATINUM" ARTIFICIAL TURF BY SYNLAWN, (505) 890-8889, OR EQUAL APPROVED BY OWNER. CONTRACTOR SHALL PROVIDE SHOP DRAWING OF PROPOSED INSTALLATIONS FOR OWNER APPROVAL.
4. PAINT PARKING LOT STRIPING. PAINT SHALL BE TRAFFIC RATED LATEX PAINT. STRIPING WILL BE 4" IN WIDTH. PAINT COLOR: YELLOW.
5. CONSTRUCT 4" CONCRETE PAVEMENT. SEE CIVIL FOR DETAIL.

SEE ARCHITECTURAL PLANS FOR PHASING/SEQUENCE PLAN



A1 PLANTING PLAN
0 20' 40
SCALE: 1" = 20'

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WILLIAM JOSEPH MOSES
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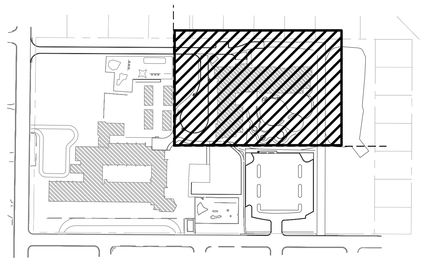
LP-101

Farmington Preschool Academy



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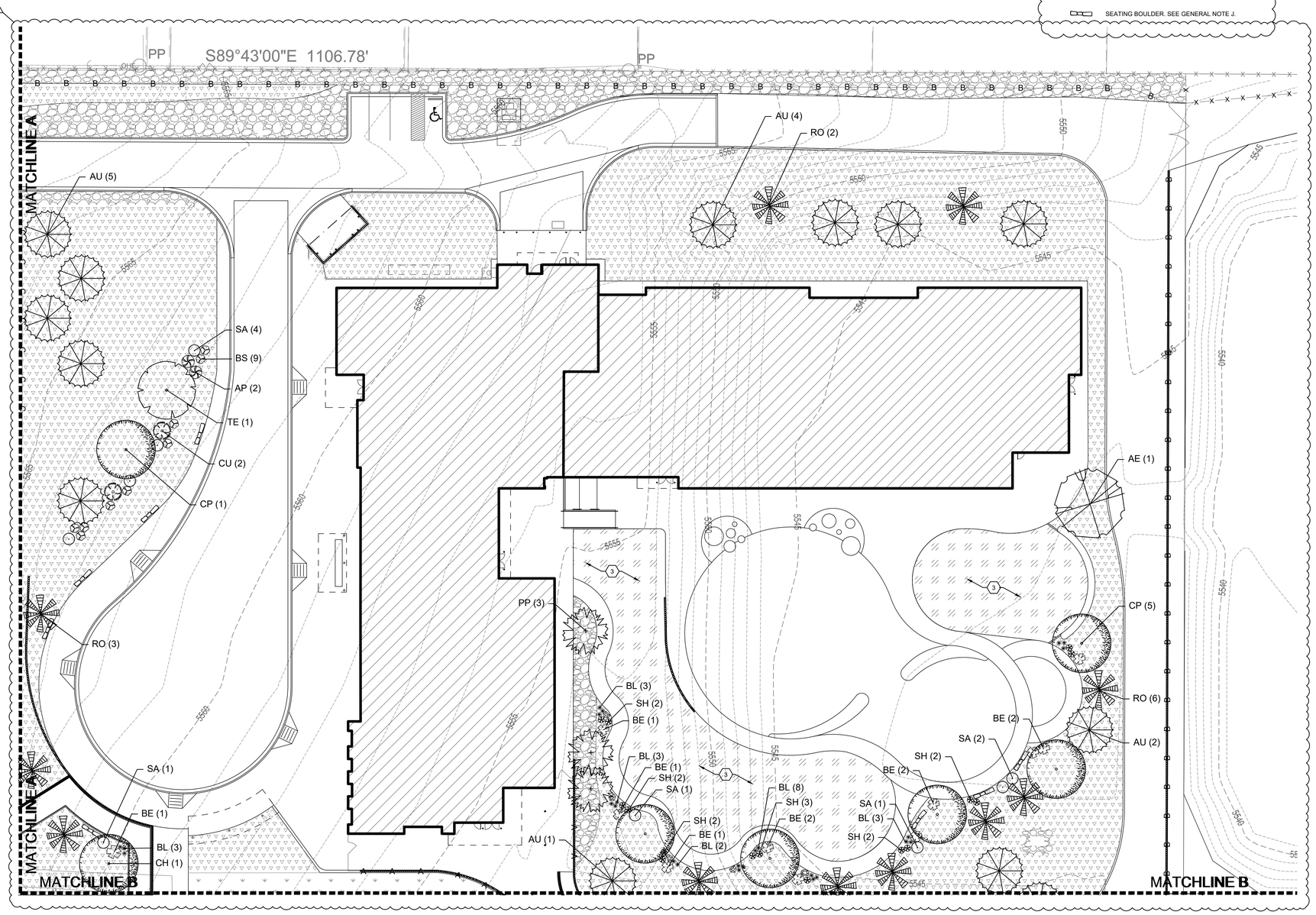

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SCALE: 1" = 20'

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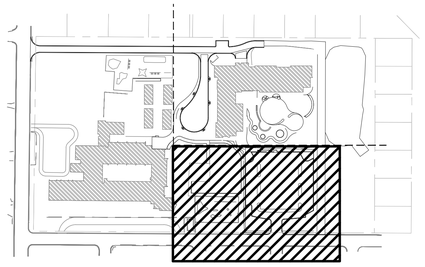
LP-102



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MATCHLINE B

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CU (2)
AE (2)
AP (6)
CP (4)
AU (1)
AE (1)
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TE (2)
TE (1)
DO NOT ENTER
DO NOT ENTER
N89°42'15"W 1111.47'
FORTUNA DR

A1 PLANTING PLAN
0 20' 40'
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STATE OF NEW MEXICO
WILLIAM MOSES
No. 479
REGISTERED LANDSCAPE ARCHITECT
03/21/2024
LANDSCAPE ARCHITECT

FARMINGTON PRESCHOOL ACADEMY
5840 FORTUNA DR.
FARMINGTON, NM 87402

100% CONSTRUCTION DOCUMENTS
MARCH 21, 2024

MARK	DATE	DESCRIPTION
1	8/16/24	ADDENDUM

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	MARCH 21, 2024
PROJECT NO:	K23-001
DRAWN BY:	TW
CHECKED BY:	WM

SHEET TITLE
PLANTING PLAN

LP-103

Farmington Preschool Academy

8/23/2024 4:15:25 PM

FENCING LEGEND

- A A A A A — 6' HT WELDED WIRE FENCING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT.
- B B B B B — 6' HT CHAIN LINK FENCE. SEE DETAIL A1 & A2 /AS-131
- C C C C C — 4' HT WELDED WIRE FENCING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT.
- X X X X X — EXISTING 6' HT CHAIN LINK FENCE TO REMAIN.

HATCH LEGEND

- LIGHT DUTY ASPHALT
- HEAVY DUTY ASPHALT
- NEW BUILDING
- EXISTING BUILDING
- TURF
- COLOR INTEGRAL CONCRETE
- SANDBOX
- CONCRETE PAVING
- NATIVE REVEGTATION
- NEW TURF GRASS, SEE LANDSCAPE
- EXISTING GRASS
- GRAVEL MULCH
- PLAYGROUND SURFACING: ENGINEERED WOOD FIBER MULCH

GENERAL NOTES

A. SUB GRADE PREPARATION AND SOIL COMPACTION AT ALL CONCRETE WORK SHALL COMPLY WITH REQUIREMENTS NOTED ON CIVIL DRAWINGS AND GEOTECHNICAL REPORT.

B. PROVIDE BROOM FINISH ON CONCRETE SIDEWALK.

C. VERIFY SIDEWALK LAYOUT WITH ARCHITECT PRIOR TO FORMING AND POURING CONCRETE. NO EXCEPTIONS.

D. FOR INFORMATION ON UTILITIES SEE SITE SURVEY SHEET G-002, AND SITE UTILITY, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.

E. CONTRACTOR SHALL PAY FOR AND COORDINATE WITH LOCAL UTILITY COMPANIES FOR ALL UTILITY DISCONNECT, RECONNECT, AND DEMO WORK.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND PAYING FOR PERMIT FEES ASSOCIATED WITH ENVIRONMENTAL PROTECTION AGENCY & REQUIREMENT OF STORM WATER POLLUTION PREVENTION PLAN (SWPPP). COORDINATE WITH ALL REGULATORY AUTHORITIES REGARDING THIS ITEM.

KEYED NOTES

1 S1 6'-0" HIGH X 4'-0" WIDE WELDED WIRE SWINGING GATE. SEE SITE DETAIL A4/AS-131.

S2 18" PAINTED CROSSWALK STRIPES AT 6' WIDE @ 36" O.C. COLOR (WHITE)

S3 4" WIDE PAINTED PARKING STRIPS.

S4 ACCESSIBLE RAMP "TYPE B". SEE SITE DETAIL B1/AS-131.

S5 ACCESSIBLE PARKING SYMBOL. SEE SITE DETAIL D2/AS-130.

S6 ASPHALT PAVING. HEAVY DUTY. SEE CIVIL.

S7 ASPHALT PAVING. LIGHT DUTY. SEE CIVIL.

S8 LANDSCAPE AREA. TURN DOWN CONCRETE EDGE AT ADJACENT CONCRETE PAVING PERIMETER PER DETAIL. SEE LANDSCAPE.

S9 CONCRETE MOW STRIP WITH TURNDOWN EDGE. SEE SITE DETAIL A3 AND A4/AS-130.

S10 PROPERTY LINE.

S12 CONCRETE SITE STAIRS. SEE ENLARGED PLANS AND SITE DETAILS.

S14 COLOR INTEGRAL CONCRETE SIDEWALK. SEE DETAIL A4/AS-130.

S16 PAINTED DIRECTIONAL ARROW. SEE SITE DETAIL D3/AS-130.

S18 GRAVEL MULCH. SEE LANDSCAPE DRAWINGS.

S19 CONCRETE RETAINING WALL. SEE ENLARGED PLANS AND SITE DETAILS.

S20 CONCRETE PAD FOR TRANSFORMER, VERIFY DIMENSIONS IN FIELD. SEE ELECTRICAL

S21 BUS TURN AROUND. VERIFY RADIUS DIMENSIONS OF TURN AROUND WITH OWNER AND ARCHITECT, PRIOR TO CONSTRUCTION OF BUS LOOP.

S22 GAS METER, SEE PLUMBING SITE PLAN.

S23 DUMPSTER ENCLOSURE, SEE SITE DETAIL D2/AS-131.

S24 SERVICE ACCESS ROAD, SEE CIVIL.

S25 CONCRETE BENCH, SEE ENLARGE PLAN AND SITE DETAILS.

S26 EXISTING BASKETBALL COURT TO REMAIN.

S27 EXISTING CONCRETE SIDEWALK TO REMAIN.

S28 EXISTING BUILDINGS TO REMAIN.

S29 NEW PLAYGROUND AREA WITH TURNDOWN OR CONCRETE EDGE.

1 S31 POLE MOUNTED SIGN. SEE SITE DETAIL B1/AS-132.

S32 CONCRETE SIDEWALK. SEE SITE DETAIL A4/AS-130. TURN DOWN EDGE AT ALL EXPOSED EDGES PER DETAIL A3/AS-130.

1 S33 SITE LIGHTING. SEE ELECTRICAL AND STRUCTURAL FOR CONCRETE BASE, SHEET S-501.

S34 HEAVY DUTY CONCRETE APRON AT DUMPSTER ENCLOSURE AREA.

S35 CONCRETE PARKING BUMPER. SEE DETAIL A5/AS-130.

S36 FLAG POLE, SEE DETAIL D1/AS-130.

1 S37 6' DOUBLE WELDED WIRE SWING GATE.SEE ENLARGED PLANS.

S38 CONCRETE CURB AND GUTTER. SEE CIVIL.

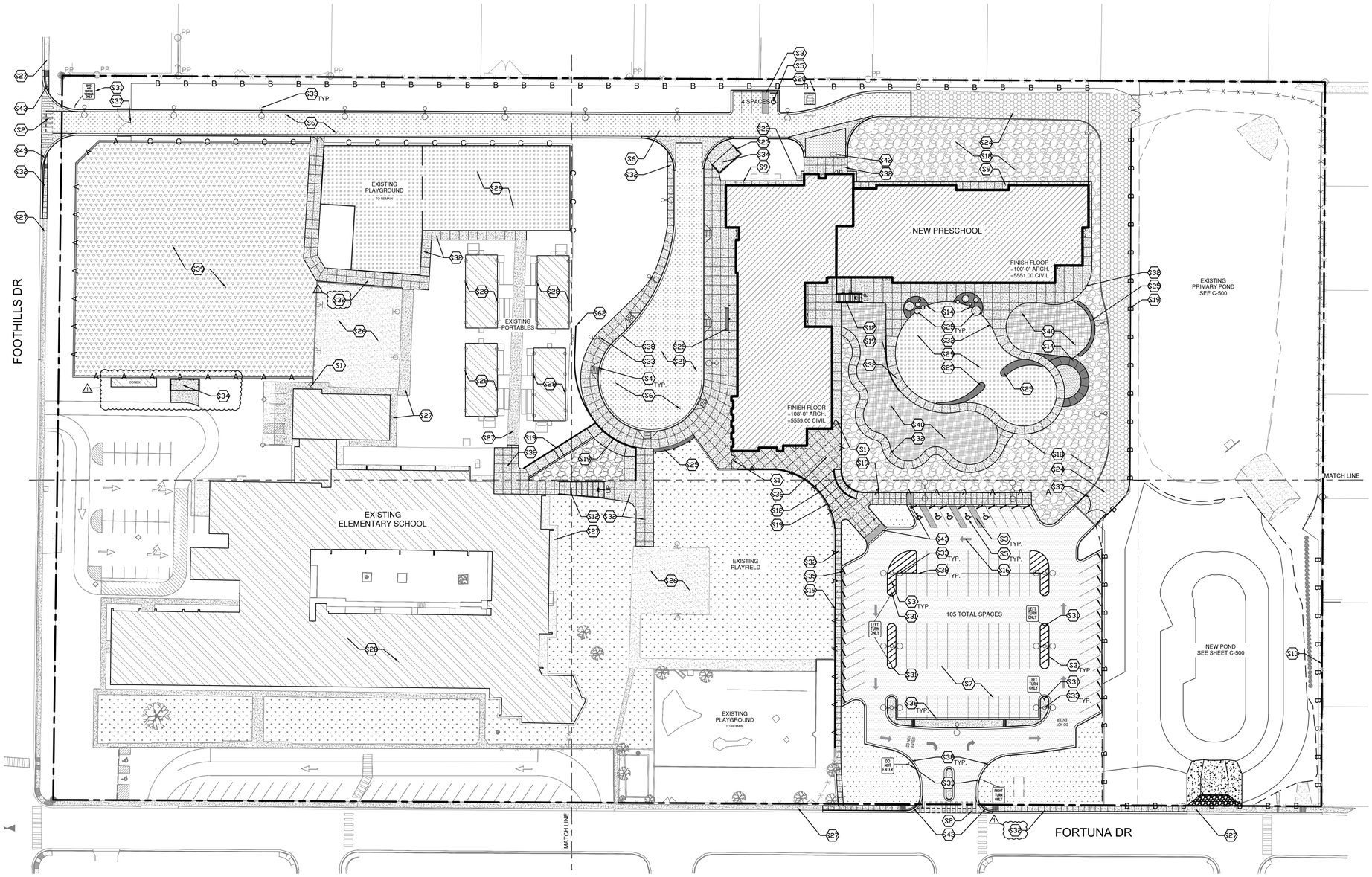
S39 TURF GRASS PLAY FIELD AND IRRIGATION. SEE LANDSCAPE.

S40 ARTIFICIAL TURF, SEE LANDSCAPE AND SITE DETAILS.

S41 ACCESSIBLE RAMP "TYPE D", SEE SITE DETAIL B2/AS-131.

S42 GREASE INTERCEPTOR (BELOW GRADE), SEE PLUMBING.

S43 DOMED. DETECTABLE WARNING SURFACE AT RAMP.



A1 / AS-100 OVERALL SITE PLAN
1" = 40'-0"

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STATE OF NEW MEXICO
03/21/2024
SANJAY I. JOSHI
No. 3088
REGISTERED ARCHITECT
ARCHITECT ENGINEER

FARMINGTON PRESCHOOL ACADEMY
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FARMINGTON, NM 87402

CONSTRUCTION DOCUMENTS
MARCH 21, 2024

MARK	DATE	DESCRIPTION
1	8/6/2024	ADDENDUM 01

ISSUE:	
DATE:	MARCH 21, 2024
PROJECT NO:	K23-001
DRAWN BY:	XT
CHECKED BY:	JT

SHEET TITLE

OVERALL SITE PLAN

AS-100

8/23/2024 4:15:36 PM

FENCING LEGEND

- A A A A — 6' HT WELDED WIRE FENCING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT.
- B B B B — 6' HT CHAIN LINK FENCE. SEE DETAIL A1 & A2 /AS-131
- C C C C — 4' HT WELDED WIRE FENCING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT.
- X X X X — EXISTING 6' HT CHAIN LINK FENCE TO REMAIN.

HATCH LEGEND

- LIGHT DUTY ASPHALT
- HEAVY DUTY ASPHALT
- NEW BUILDING
- EXISTING BUILDING
- TURF
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- SANDBOX
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- NATIVE REVEGTATION
- NEW TURF GRASS, SEE LANDSCAPE
- EXISTING GRASS
- GRAVEL MULCH
- PLAYGROUND SURFACING- ENGINEERED WOOD FIBER MULCH

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C. VERIFY SIDEWALK LAYOUT WITH ARCHITECT PRIOR TO FORMING AND POURING CONCRETE. NO EXCEPTIONS.

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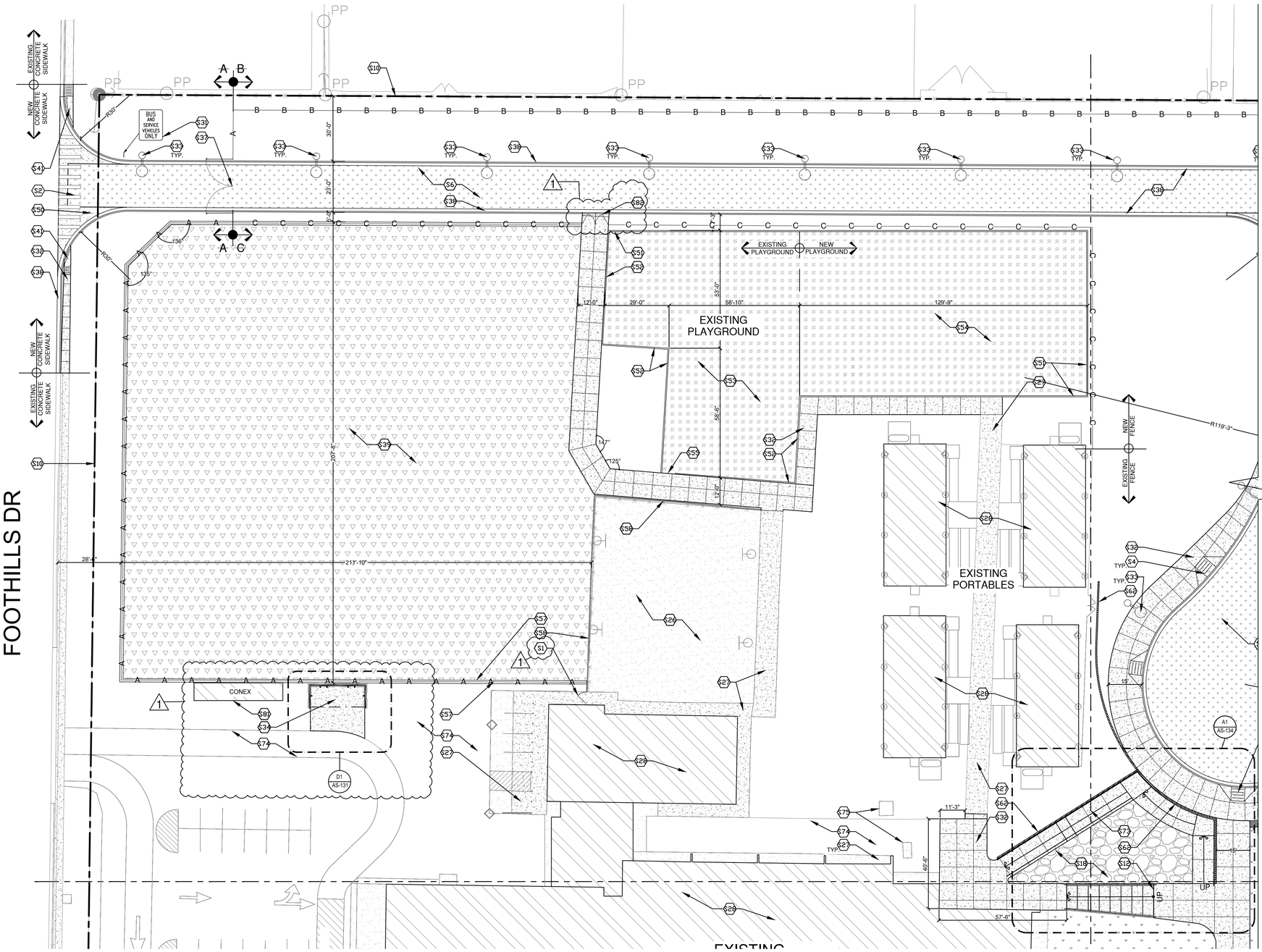

A1 AS-101 ENLARGED SITE PLAN
1" = 20'-0"

KEYED NOTES

- S1 6'-0" HIGH X 4'-0" WIDE WELDED WIRE SWINGING GATE. SEE SITE DETAIL A2/AS-131.
- S2 18" PAINTED CROSSWALK STRIPES AT 6' WIDE @ 36" O.C. COLOR (WHITE)
- S3 4" WIDE PAINTED PARKING STRIPS.
- S4 ACCESSIBLE RAMP "TYPE B". SEE SITE DETAIL B1/AS-131.
- S5 ACCESSIBLE PARKING SYMBOL. SEE SITE DETAIL D2/AS-130.
- S6 ASPHALT PAVING. HEAVY DUTY. SEE CIVIL.
- S7 ASPHALT PAVING. LIGHT DUTY. SEE CIVIL.
- S8 LANDSCAPE AREA. TURN DOWN CONCRETE EDGE AT ADJACENT CONCRETE PAVING PERIMETER PER DETAIL. SEE LANDSCAPE.
- S9 CONCRETE MOW STRIP WITH TURNDOWN EDGE. SEE SITE DETAIL A3 AND A4/AS-130.
- S10 PROPERTY LINE.
- S11 POND AREA. SEE CIVIL DRAWINGS.
- S12 CONCRETE SITE STAIRS. SEE ENLARGED PLANS AND SITE DETAILS.
- S13 CONCRETE FILLED STEEL PIPE BOLLARD. SEE DETAIL D4/AS-130.
- S14 COLOR INTEGRAL CONCRETE SIDEWALK. SEE DETAIL A4/AS-130.
- S16 PAINTED DIRECTIONAL ARROW. SEE SITE DETAIL D3/AS-130.
- S18 GRAVEL MULCH. SEE LANDSCAPE DRAWINGS.
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- S20 CONCRETE PAD FOR TRANSFORMER, VERIFY DIMESIONS IN FILED. SEE ELECTRICAL
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- S22 GAS METER. SEE PLUMBING SITE PLAN.
- S23 DUMPSTER ENCLOSURE, SEE SITE DETAIL D2/AS-131.
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- S25 CONCRETE BENCH, SEE ENLARGE PLAN AND SITE DETAILS.
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- S28 EXISTING BUILDINGS TO REMAIN.
- S29 NEW PLAYGROUND AREA WITH TURNDOWN OR CONCRETE EDGE.
- S30 POST MOORSTOP. SEE SITE DETAIL B1/AS-130.
- S31 POLE MOUNTED SIGN. SEE SITE DETAIL D1/AS-132.
- S32 CONCRETE SIDEWALK. SEE SITE DETAIL A4/AS-130. TURN DOWN EDGE AT ALL EXPOSED EDGES PER DETAIL A3/AS-130.
- S33 SITE LIGHTING. SEE ELECTRICAL AND STRUCTURAL FOR CONCRETE BASE, SHEET S-501.
- S34 HEAVY DUTY CONCRETE APRON AT DUMPSTER ENCLOSURE AREA.
- S35 CONCRETE PARKING BUMPER. SEE DETAIL A5/AS-130.
- S36 FLAG POLE. SEE DETAIL D1/AS-130.
- S37 6' DOUBLE WELDED WIRE SWING GATE.SEE ENLARGED PLANS.
- S38 CONCRETE CURB AND GUTTER. SEE CIVIL.
- S39 TURF GRASS PLAY FIELD AND IRRIGATION. SEE LANDSCAPE.
- S40 ARTIFICIAL TURF, SEE LANDSCAPE AND SITE DETAILS.
- S41 ACCESSIBLE RAMP "TYPE D", SEE SITE DETAIL B2/AS-131.
- S42 GREASE INTERCEPTOR (BELOW GRADE), SEE PLUMBING.
- S50 CONCRETE APRON, SEE CIVIL CONTAINMENT WALL.
- S51 CONCRETE TURNDOWN EDGE AT PLAYGROUND, SEE DETAIL A2/AS-132.
- S52 EXISTING CONTAINMENT WALL TO REMAIN.
- S53 EXISTING PLAYGROUND SURFACING AND EQUIPMENT TO REMAIN. REMOVE AND REPLACE AS REQUIRED FOR EXPANSION OF PLAYGROUND AREA AND RELOCATION OF EQUIPMENT.
- S54 NEW PLAYGROUND SURFACING AND EQUIPMENT.
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- S57 18" CONCRETE EDGER AT FENCE. SEE DETAIL D2/AS-132.
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- S59 SIDEWALK CULVERT. SEE CIVIL.
- S60 DIGITAL MOVEMENT SIGN, SEE DETAIL_____ AND ELECTRICAL FOR POWER AND DATA REQUIREMENTS.
- S61 8" CONCRETE EDGER. SEE DETAIL A3/AS-132.
- S62 12" CONCRETE RETAINING WALL AND FENCE. TOP OF WALL VARIES. SEE CIVIL. SEE RETAINING WALL DETAILS ON SHEET AS-132. DETAIL VARIES DEPENDING ON OVERALL WALL HEIGHT.
- S63 EXISTING ASPHALT WALL TO REMAIN.
- S64 12" CONCRETE MOW CURB W/TURN DOWN EDGE. SEE DETAIL A3 AND A4, SHEET AS-130.
- S65 CONCRETE HEADER CURB AT DRIVE. SEE DETAIL A1/AS-130.
- S66 CONCRETE SEAT WALL. SEE ENLARGED PLANS AND DETAILS.
- S67 PLAYGROUND SEAT WALL. SEE ENLARGED PLANS AND DETAILS.
- S68 SANDBOX. SEE ENLARGED PLANS AND DETAILS.
- S69 DOMED DETECTABLE WARNING SURFACE AT RAMP.
- S72 DIVIDER WALL. SEE ENLARGED PLANS AND DETAILS.
- S73 CONCRETE RAMP. SEE ENLARGED PLANS AND DETAILS.
- S74 EXISTING ASPHALT TO REMAIN.
- S75 EXISTING ELECTRICAL TRANSFORMER AND EQUIPMENT TO REMAIN.
- S76 NEW LOCATION OF EXISTING CHAINLINK GATE. SEE DEMO PLAN FOR SALVAGE INFORMATION AND DETAIL A2/AS-131 FOR TYPICAL INSTALLATION REQUIREMENTS.
- S77 FREE STANDING CANOPY AND BENCH.
- S78 WATER METER.
- S79 IRRIGATION SYSTEM. SEE LANDSCAPE.
- S80 CONCRETE EMERGENCY SPILL WAY, SEE C-500
- S81 EXISTING CONEX NEW LOCATION. COORDINATE EXACT LOCATION WITH OWNER.
- S82 4' DOUBLE WELDED WIRE SWING GATE.SEE ENLARGED PLANS.
- S83 CHAN LINK GATE. HEIGHT TO MATCH FENCE HEIGHT. SEE DETAILS A1 & A2 / AS-131.

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03/21/2024
SANJAY I. ENGINEER
No. 3088
REGISTERED PROFESSIONAL

ARCHITECT ENGINEER

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5840 FORTUNA DR.
FARMINGTON, NM 87402

CONSTRUCTION DOCUMENTS
MARCH 21, 2024

MARK	DATE	DESCRIPTION
1	8/6/2024	ADDENDUM 01

ISSUE:	
DATE:	MARCH 21, 2024
PROJECT NO:	K23-001
DRAWN BY:	XT
CHECKED BY:	JT

SHEET TITLE

ENLARGED SITE PLAN

AS-101

8/23/2024 4:15:43 PM

FENCING LEGEND

- A A A A — 6' HT WELDED WIRE FENCING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT.
- B B B B — 6' HT CHAIN LINK FENCE. SEE DETAIL A1 & A2 /AS-131
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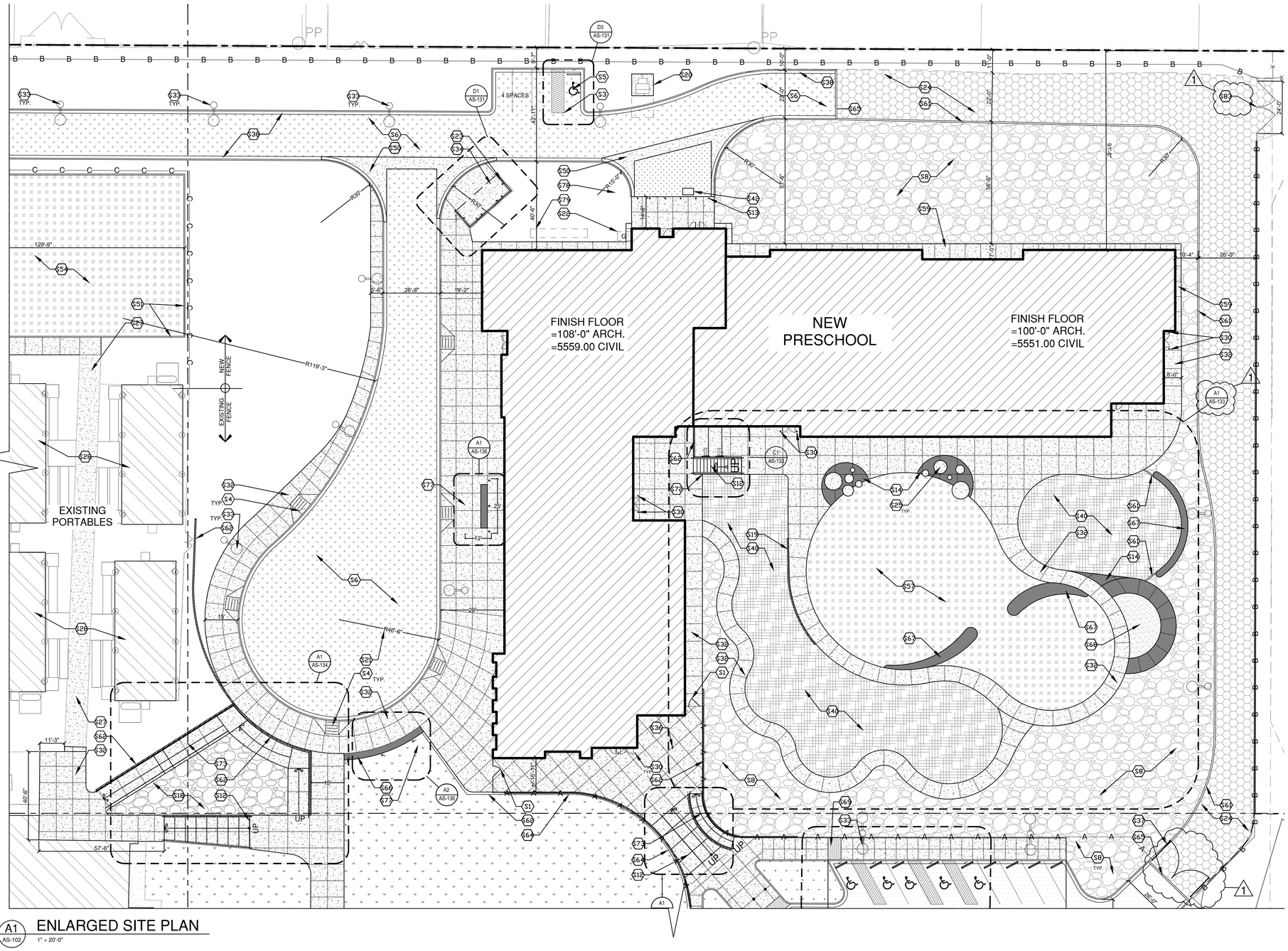

A1 / AS-102 ENLARGED SITE PLAN
1" = 20'-0"

KEYED NOTES

- S1 6'-0" HIGH X 4'-0" WIDE WELDED WIRE SWINGING GATE. SEE SITE DETAIL A2/AS-131.
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- S69 DOMED DETECTABLE WARNING SURFACE AT RAMP.
- S72 DIVIDER WALL. SEE ENLARGED PLANS AND DETAILS.
- S73 CONCRETE RAMP. SEE ENLARGED PLANS AND DETAILS.
- S74 EXISTING ASPHALT TO REMAIN.
- S75 EXISTING ELECTRICAL TRANSFORMER AND EQUIPMENT TO REMAIN.
- S76 NEW LOCATION OF EXISTING CHAINLINK GATE. SEE DEMO PLAN FOR SALVAGE INFORMATION AND DETAIL A2/AS-131 FOR TYPICAL INSTALLATION REQUIREMENTS.
- S77 FREE STANDING CANOPY AND BENCH.
- S78 WATER METER.
- S79 IRRIGATION SYSTEM. SEE LANDSCAPE.
- S80 CONCRETE EMERGENCY SPILL WAY, SEE C-500
- S81 EXISTING CONEX NEW LOCATION. COORDINATE EXACT LOCATION WITH OWNER.
- S82 4' DOUBLE WELDED WIRE SWING GATE.SEE ENLARGED PLANS.
- S83 CHAN LINK GATE. HEIGHT TO MATCH FENCE HEIGHT. SEE DETAILS A1 & A2 / AS-131.

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03/21/2024
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CONSTRUCTION DOCUMENTS
MARCH 21, 2024

MARK	DATE	DESCRIPTION
1	8/6/2024	ADDENDUM 01

ISSUE:	
DATE:	MARCH 21, 2024
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CHECKED BY:	JT

SHEET TITLE

ENLARGED SITE PLAN

AS-102

Farmington Preschool Academy

8/23/2024 4:15:50 PM

FENCING LEGEND

- A A A A A — 6' HT WELDED WIRE FENCING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT.
- B B B B B — 6' HT CHAIN LINK FENCE. SEE DETAIL A1 & A2 /AS-131
- C C C C C — 4' HT WELDED WIRE FENCING SYSTEM. COLOR TO BE SELECTED BY ARCHITECT.
- X X X X X — EXISTING 6' HT CHAIN LINK FENCE TO REMAIN.

HATCH LEGEND

- LIGHT DUTY ASPHALT
- HEAVY DUTY ASPHALT
- NEW BUILDING
- EXISTING BUILDING
- TURF
- COLOR INTEGRAL CONCRETE
- SANDBOX
- CONCRETE PAVING
- NATIVE REVEGTATION
- NEW TURF GRASS, SEE LANDSCAPE
- EXISTING GRASS
- GRAVEL MULCH
- PLAYGROUND SURFACING: ENGINEERED WOOD FIBER MULCH

GENERAL NOTES

A. SUB GRADE PREPARATION AND SOIL COMPACTION AT ALL CONCRETE WORK SHALL COMPLY WITH REQUIREMENTS NOTED ON CIVIL DRAWINGS AND GEOTECHNICAL REPORT.

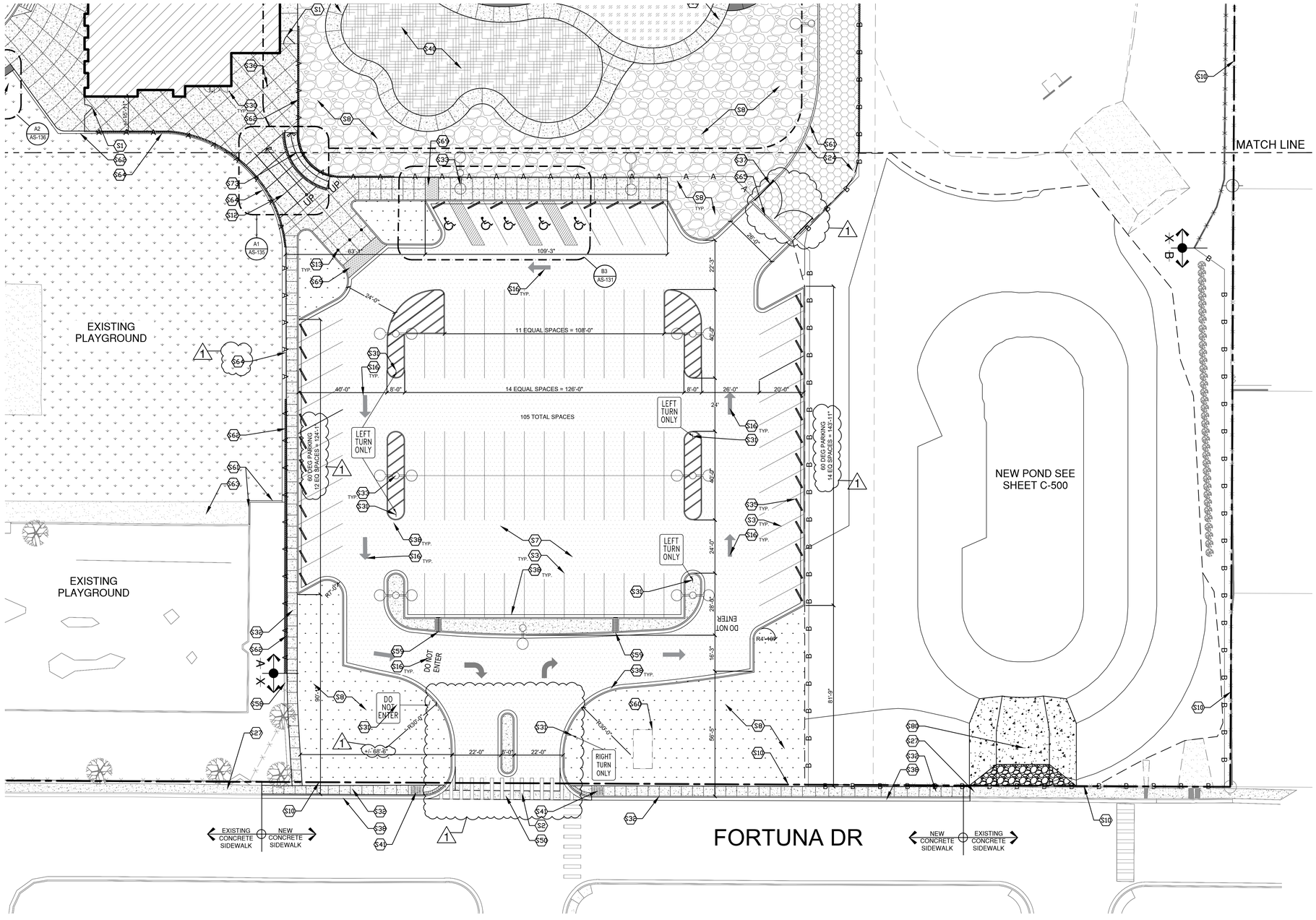
B. PROVIDE BROOM FINISH ON CONCRETE SIDEWALK.

C. VERIFY SIDEWALK LAYOUT WITH ARCHITECT PRIOR TO FORMING AND POURING CONCRETE. NO EXCEPTIONS.

D. FOR INFORMATION ON UTILITIES SEE SITE SURVEY SHEET G-002, AND SITE UTILITY, PLUMBING, FIRE PROTECTION AND ELECTRICAL DRAWINGS.

E. CONTRACTOR SHALL PAY FOR AND COORDINATE WITH LOCAL UTILITY COMPANIES FOR ALL UTILITY DISCONNECT, RECONNECT, AND DEMO WORK.

F. CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING AND PAYING FOR PERMIT FEES ASSOCIATED WITH ENVIRONMENTAL PROTECTION AGENCY & REQUIREMENT OF STORM WATER POLLUTION PREVENTION PLAN (SWPPP). COORDINATE WITH ALL REGULATORY AUTHORITIES REGARDING THIS ITEM.



A1 / AS-103 ENLARGED SITE PLAN
1" = 20'-0"

KEYED NOTES

- S1 6'-0" HIGH X 4'-0" WIDE WELDED WIRE SWINGING GATE. SEE SITE DETAIL A2/AS-131.
- S2 18" PAINTED CROSSWALK STRIPES AT 6' WIDE @ 36" O.C. COLOR (WHITE)
- S3 4" WIDE PAINTED PARKING STRIPS.
- S4 ACCESSIBLE RAMP "TYPE B". SEE SITE DETAIL B1/AS-131.
- S5 ACCESSIBLE PARKING SYMBOL. SEE SITE DETAIL D2/AS-130.
- S6 ASPHALT PAVING. HEAVY DUTY. SEE CIVIL.
- S7 ASPHALT PAVING. LIGHT DUTY. SEE CIVIL.
- S8 LANDSCAPE AREA. TURN DOWN CONCRETE EDGE AT ADJACENT CONCRETE PAVING PERIMETER PER DETAIL. SEE LANDSCAPE.
- S9 CONCRETE MOW STRIP WITH TURNDOWN EDGE. SEE SITE DETAIL A3 AND A4/AS-130.
- S10 PROPERTY LINE.
- S11 POND AREA. SEE CIVIL DRAWINGS.
- S12 CONCRETE SITE STAIRS. SEE ENLARGED PLANS AND SITE DETAILS.
- S13 CONCRETE FILLED STEEL PIPE BOLLARD. SEE DETAIL D4/AS-130.
- S14 COLOR INTEGRAL CONCRETE SIDEWALK. SEE DETAIL A4/AS-130.
- S16 PAINTED DIRECTIONAL ARROW. SEE SITE DETAIL D3/AS-130.
- S18 GRAVEL MULCH. SEE LANDSCAPE DRAWINGS.
- S19 CONCRETE RETAINING WALL. SEE ENLARGED PLANS AND SITE DETAILS.
- S20 CONCRETE PAD FOR TRANSFORMER, VERIFY DIMESIONS IN FILED. SEE ELECTRICAL
- S21 BUS TURN AROUND. VERIFY RADIUS DIMENSIONS OF TURN AROUND WITH OWNER AND ARCHITECT, PRIOR TO CONSTRUCTION OF BUS LOOP.
- S22 GAS METER, SEE PLUMBING SITE PLAN.
- S23 DUMPSTER ENCLOSURE, SEE SITE DETAIL D2/AS-131.
- S24 SERVICE ACCESS ROAD, SEE CIVIL.
- S25 CONCRETE BENCH, SEE ENLARGE PLAN AND SITE DETAILS.
- S26 EXISTING BASKETBALL COURT TO REMAIN.
- S27 EXISTING CONCRETE SIDEWALK TO REMAIN.
- S28 EXISTING BUILDINGS TO REMAIN.
- S29 NEW PLAYGROUND AREA WITH TURNDOWN OR CONCRETE EDGE.
- S30 POST DOORSTOP. SEE SITE DETAIL B1/AS-130.
- S31 POLE MOUNTED SIGN. SEE SITE DETAIL D1/AS-132.
- S32 CONCRETE SIDEWALK. SEE SITE DETAIL A4/AS-130. TURN DOWN EDGE AT ALL EXPOSED EDGES PER DETAIL A3/AS-130.
- S33 SITE LIGHTING. SEE ELECTRICAL AND STRUCTURAL FOR CONCRETE BASE, SHEET S-501.
- S34 HEAVY DUTY CONCRETE APRON AT DUMPSTER ENCLOSURE AREA.
- S35 CONCRETE PARKING BUMPER. SEE DETAIL A5/AS-130.
- S36 FLAG POLE. SEE DETAIL D1/AS-130.
- S37 6' DOUBLE WELDED WIRE SWING GATE.SEE ENLARGED PLANS.
- S38 CONCRETE CURB AND GUTTER. SEE CIVIL.
- S39 TURF GRASS PLAY FIELD AND IRRIGATION. SEE LANDSCAPE.
- S40 ARTIFICIAL TURF, SEE LANDSCAPE AND SITE DETAILS.
- S41 ACCESSIBLE RAMP "TYPE D", SEE SITE DETAIL B2/AS-131.
- S42 GREASE INTERCEPTOR (BELOW GRADE), SEE PLUMBING.
- S50 CONCRETE APRON, SEE CIVIL CONTAINMENT WALL.
- S51 CONCRETE TURNDOWN EDGE AT PLAYGROUND, SEE DETAIL A2/AS-132.
- S52 EXISTING CONTAINMENT WALL TO REMAIN.
- S53 EXISTING PLAYGROUND SURFACING AND EQUIPMENT TO REMAIN. REMOVE AND REPLACE AS REQUIRED FOR EXPANSION OF PLAYGROUND AREA AND RELOCATION OF EQUIPMENT.
- S54 NEW PLAYGROUND SURFACING AND EQUIPMENT.
- S55 EXISTING ACCESSIBLE RAMP AT PLAYGROUND TO REMAIN.
- S56 PLAYGROUND ACCESSIBLE RAMP. SEE DETAIL A5/AS-132.
- S57 18" CONCRETE EDGER AT FENCE. SEE DETAIL D2/AS-132.
- S58 EXISTING RETAINING WALL TO REMAIN.
- S59 SIDEWALK CULVERT. SEE CIVIL.
- S60 DIGITAL MOVEMENT SIGN, SEE DETAIL_____ AND ELECTRICAL FOR POWER AND DATA REQUIREMENTS.
- S61 8" CONCRETE EDGER. SEE DETAIL A3/AS-132.
- S62 12" CONCRETE RETAINING WALL AND FENCE. TOP OF WALL VARIES. SEE CIVIL. SEE RETAINING WALL DETAILS ON SHEET AS-132. DETAIL VARIES DEPENDING ON OVERALL WALL HEIGHT.
- S63 EXISTING ASPHALT WALL TO REMAIN.
- S64 12" CONCRETE MOW CURB W/TURN DOWN EDGE. SEE DETAIL A3 AND A4, SHEET AS-130.
- S65 CONCRETE HEADER CURB AT DRIVE. SEE DETAIL A1/AS-130.
- S66 CONCRETE SEAT WALL. SEE ENLARGED PLANS AND DETAILS.
- S67 PLAYGROUND SEAT WALL. SEE ENLARGED PLANS AND DETAILS.
- S68 SANDBOX. SEE ENLARGED PLANS AND DETAILS.
- S69 DOMED DETECTABLE WARNING SURFACE AT RAMP.
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MARCH 21, 2024

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ENLARGED SITE PLAN

AS-103

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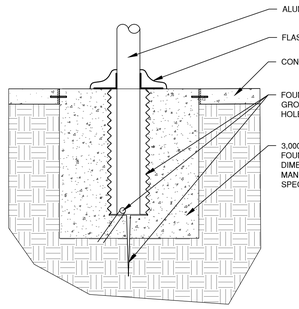
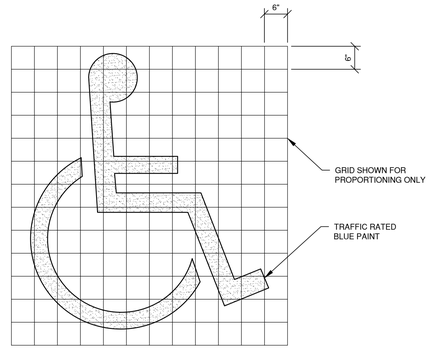
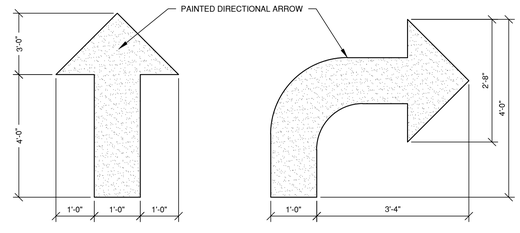


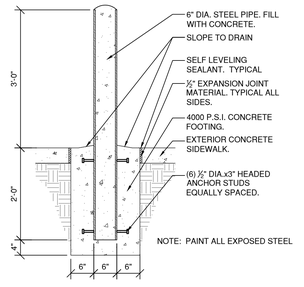
D1 AS-130 FLAG POLE DETAIL
3/4"=1'-0"



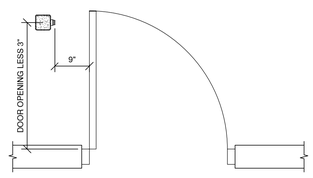
D2 AS-130 ACCESSIBLE PARKING SYMBOL
3/4"=1'-0"



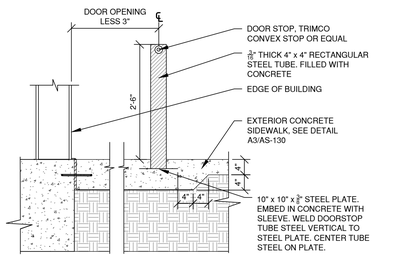
D3 AS-130 DIRECTIONAL ARROW
3/4"=1'-0"



D4 AS-130 CONRETE BOLLARD
3/4"=1'-0"



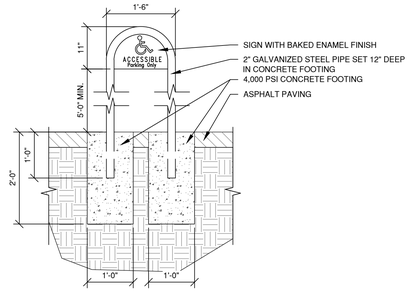
PLAN VIEW



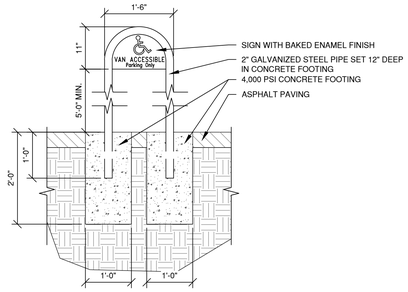
ELEVATION VIEW

NOTE: PAINT ALL EXPOSED STEEL. COLOR SELECTED BY ARCHITECT.

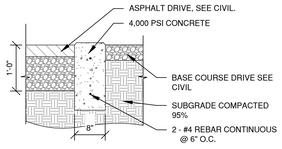
B1 AS-130 POST DOORSTOP
3/4"=1'-0"



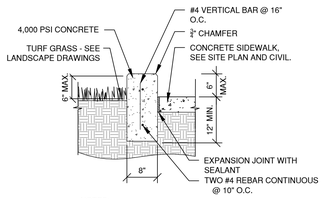
B2 AS-130 ACCESSIBLE PARKING SPACE SIGN
3/4"=1'-0"



B3 AS-130 VAN ACCESSIBLE PARKING SPACE SIGN
3/4"=1'-0"

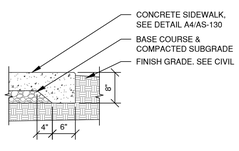


A1 AS-130 CONCRETE HEADER CURB @ DRIVE
3/4"=1'-0"



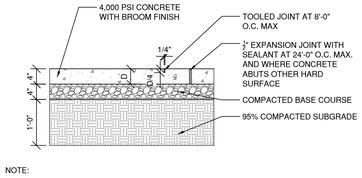
NOTES:
1. PLACE CONTROL JOINTS AT 7' O.C.
2. PLACE EXPANSION JOINTS AT 20' O.C. AND WHERE CURB ABUTS ANOTHER HARD SURFACE

A2 AS-130 CONCRETE HEADER CURB
3/4"=1'-0"



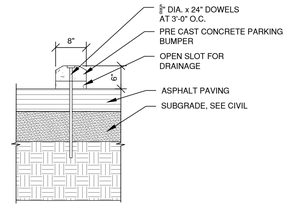
NOTES:
1. TYPICAL AT ALL EXPOSED EDGES OF CONCRETE SIDEWALK UNLESS OTHERWISE NOTED.

A3 AS-130 CONCRETE TURNDOWN EDGE
3/4"=1'-0"



NOTE:
1. SEE GEOTECHNICAL REPORT FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
2. CONTRACTOR SHALL VERIFY SIDEWALK LAYOUT WITH ARCHITECT PRIOR TO FORMING AND POURING CONCRETE. NO EXCEPTIONS.
3. TURN DOWN EDGE AT ALL EXPOSED EDGES OF CONCRETE. SEE DETAIL A3/AS-130.

A4 AS-130 CONCRETE SIDEWALK
3/4"=1'-0"



A5 AS-130 CONCRETE PARKING BUMPER
3/4"=1'-0"

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SITE PLAN DETAILS

AS-130

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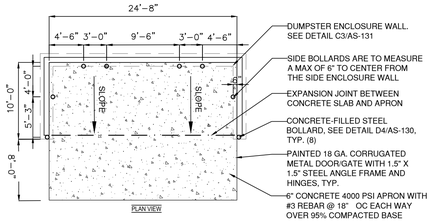


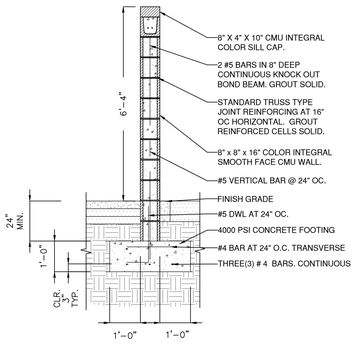
GENERAL NOTES

1. SUBGRADE PREP, BACKFILL, AND COMPACTION SHALL BE PER THE GEOTECHNICAL REPORT'S RECOMMENDATION.
2. GROUT ALL REINFORCED CMU CELLS SOLID.
3. GROUT ALL CMU CELLS BELOW GRADE SOLID.
4. APPLY ANTI GRAFFITI COATING AT ALL EXPOSED CMU.
5. COORDINATE COLORS WITH ARCHITECT. COLOR AND FINISH TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF MANUFACTURER'S STANDARD COLORS AND FINISHES.
6. CONTROL JOINTS @ 10'-0" O.C. MAX EACH DIRECTION.

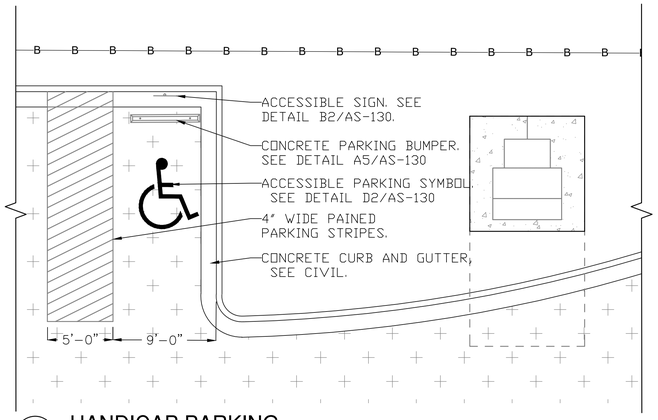
D1 DUMPSTER ENCLOSURE
AS-131 — 1/8"=1'-0"

C1 TYPE "D" ACCESSIBLE RAMP
AS-131 — 1/8"=1'-0"

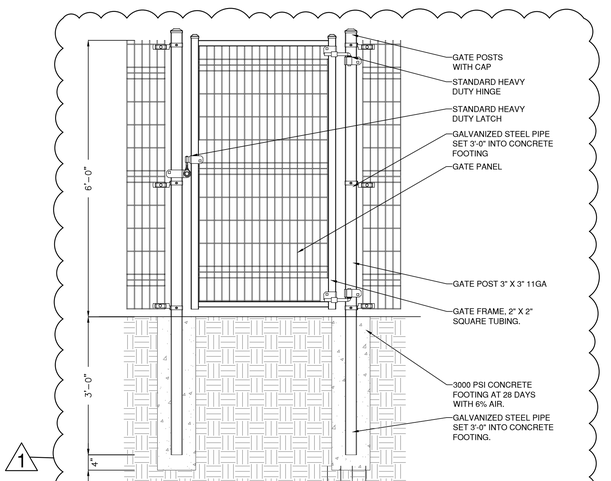
B1 TYPE "B" ACCESSIBLE RAMP
AS-131 — 1/8"=1'-0"



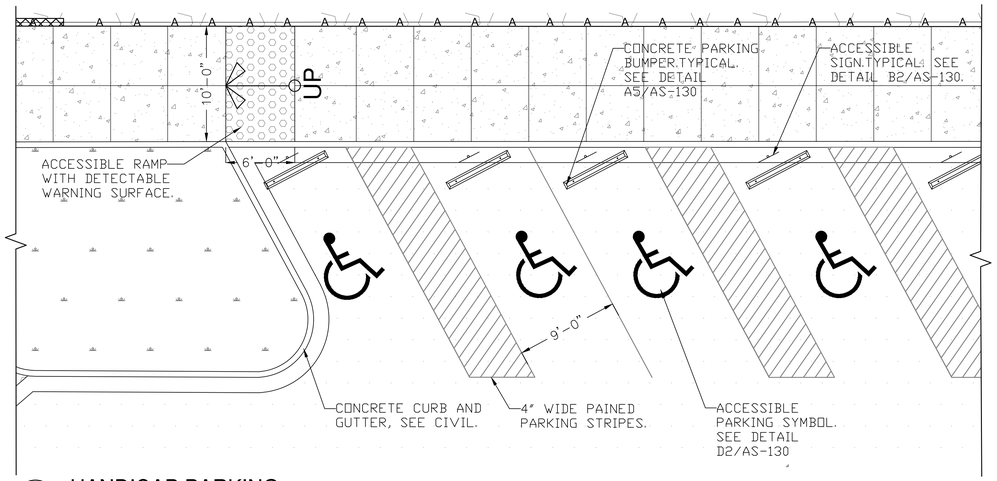
D2 DUMPSTER ENCLOSURE WALL
AS-131 — 1/2"=1'-0"



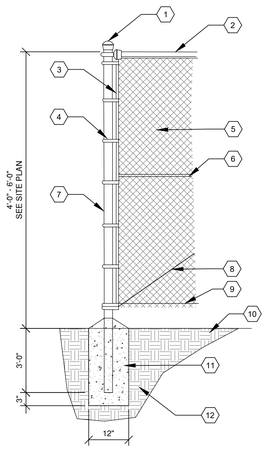
D3 HANDICAP PARKING
AS-131 — 3/16"=1'-0"



B2 WELDED WIRE SINGLE GATE
AS-131 — 1/8"=1'-0"



B3 HANDICAP PARKING
AS-131 — 3/16"=1'-0"



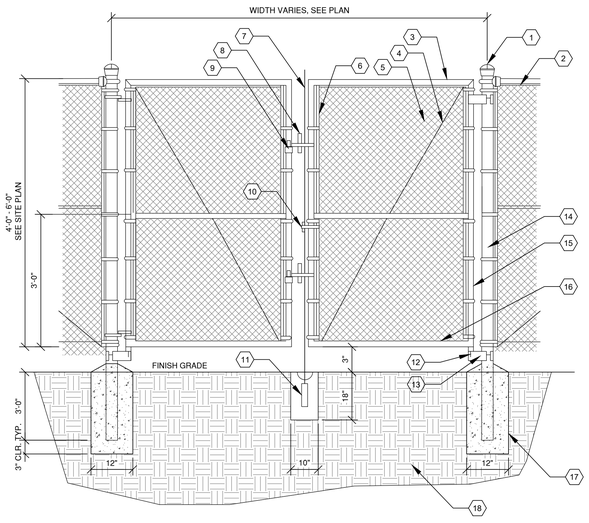
KEYED NOTES

1. POST TOP CAP.
2. 1 5/8" O.D. TOP RAIL.
3. 3/16" X 3/4" X 40" STRETCH BAR.
4. 12 GA. TENSION BANDS - 15" O.C. MAX.
5. 9 GAUGE X 2" GALVANIZED CHAINLINK FENCE - KNUCKLE & KNUCKLE BOTH SIDES.
6. BRACING RAIL, SEE SPECIFICATIONS.
7. CORNER/ END POST, SEE SPECIFICATIONS.
8. TRUSS ROD.
9. BOTTOM TENSION WIRE.
10. FINISH GRADE.
11. 3,000 PSI CONCRETE FOOTING.
12. SEE GEOTECHNICAL REPORT FOR SUBGRADE PREP.

GENERAL NOTES

A. REFERENCE SPECIFICATIONS FOR POST SIZES.
B. TERMINAL POSTS AT GATES SHALL BE SIZED PER THE SPECIFICATIONS. SEE PLAN FOR GATE LOCATIONS AND TYPE.
C. WHENEVER POSSIBLE, ALL BOLTS AND FASTENERS SHALL BE PLACED SO THAT THE END PIECES PROJECT AWAY FROM PLAY AREAS, WALKWAYS, BOLTS, ETC. SO THERE ARE NO PROTRUDING ENDS.
D. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.

A1 CHAINLINK FENCE
AS-131 — 3/4"=1'-0"



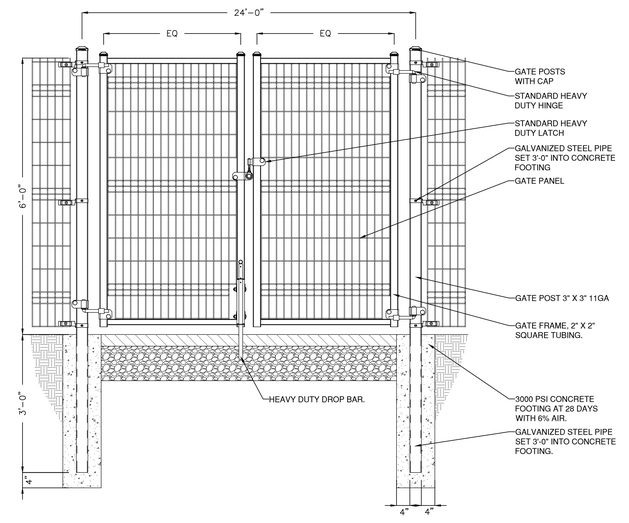
KEYED NOTES

1. POST TOP CAP, BOTH SIDES.
2. CHAIN LINK FENCE. 1" SQUARE GALVANIZED TUBING TOP RAIL WITH 1/8" THICK WALLS.
3. TRUSS ROD.
4. 9 GAUGE X 2" MESH FABRIC - KNUCKLE & KNUCKLE BOTH SIDES.
5. TENSION BAR.
6. PLUNGER ROD.
7. FULCRUM LATCH.
8. FORK CATCH.
9. LOCK KEEPER AND GUIDE.
10. PLUNGER ROD CATCH.
11. STRAIGHT PLUG.
12. HINGE (TOP AND BOTTOM).
13. END POST, SEE SPECIFICATIONS.
14. 1" SQUARE GALVANIZED TUBING SIDE POST WITH 1/8" THICK WALLS.
15. 1" SQUARE GALVANIZED TUBING BOTTOM RAIL WITH 1/8" THICK WALLS.
16. 3,000 PSI CONCRETE FOOTING.
17. SEE GEOTECHNICAL REPORT FOR SUBGRADE PREP.

GENERAL NOTES

A. REFERENCE SPECIFICATIONS FOR POST SIZES.
B. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO INSTALLATION.

A2 CHAINLINK DOUBLE SWING GATE
AS-131 — 3/4"=1'-0"



A5 GATE ELEVATION
AS-131 — 3/4"=1'-0"

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03/21/2024
SANJAY I. ENGINEER
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REGISTERED PROFESSIONAL

ARCHITECT ENGINEER

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CONSTRUCTION DOCUMENTS
MARCH 21, 2024

MARK	DATE	DESCRIPTION
1	03/21/2024	ADDENDUM ADDENDUM 01

ISSUE:	
DATE:	MARCH 21, 2024
PROJECT NO:	K23-001
DRAWN BY:	XT
CHECKED BY:	JT

SHEET TITLE

SITE PLAN DETAILS

AS-131

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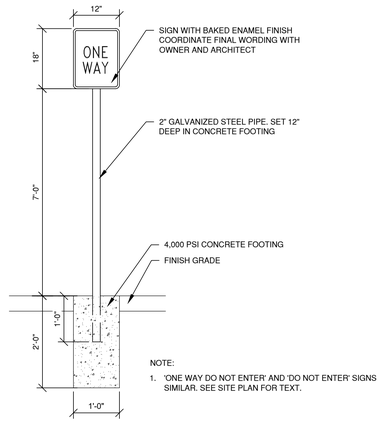
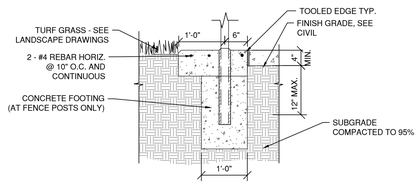


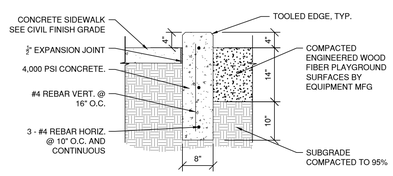
NOTE:
1. 'ONE WAY' DO NOT ENTER' AND 'DO NOT ENTER' SIGNS SIMILAR. SEE SITE PLAN FOR TEXT.

D1 AS-132 POLE MOUNTED SIGN
3/4"=1'-0"



NOTES:
1. CONTROL JOINTS AT 5' O.C.
2. EXPANSION JOINTS SHALL BE PLACED AT 20' O.C. AND WHERE THE EDGER ABUTS ANOTHER HARD SURFACE

D2 AS-132 CONCRETE EDGER AT FENCE
3/4"=1'-0"



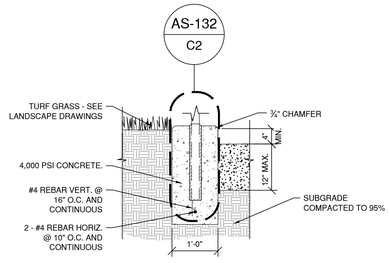
NOTES:
1. PROVIDE CONTROL JOINTS AT 5' O.C. UNLESS NOTE OTHERWISE AND EXPANSION JOINTS @ 20'-0" O.C.
2. CONFIRM REQUIRED DEPTH OF MULCH W/ EQUIPMENT MFG PRIOR TO CONSTRUCTION.

D3 AS-132 CONCRETE CONTAINMENT WALL AT PLAYGROUND
3/4"=1'-0"

EXPOSED CONCRETE LEGEND

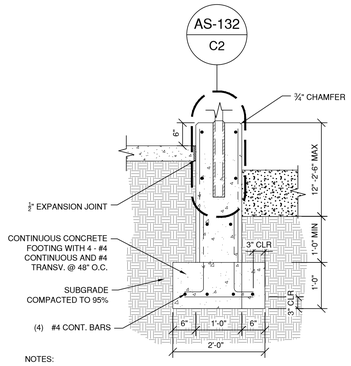
1. FORM FACING MATERIAL SHALL PRODUCE A SMOOTH UNIFORM TEXTURE ON THE CONCRETE. MATERIAL SHALL BE SUITABLE AND APPROVED FOR THE SMOOTH-FORM FINISH AND SHALL BE METAL, METAL-FRAMED MASONITE OR OTHER ACCEPTABLE TYPE CAPABLE OF PRODUCING THE DESIRED FINISH.
2. CONCRETE MIX SHALL BE OF APPROPRIATE COMPOSITION CAPABLE OF PROVIDING THE SPECIFIED STRUCTURAL STRENGTH AND THE DESIRED SMOOTH FINISH INDICATED IN THIS REQUIREMENTS.
3. THE RATE OF PLACEMENT OF CONCRETE SHALL BE CONTROLLED TO ELIMINATE OR LIMIT THE TRAPPING OR AIR. CONSOLIDATE AND VIBRATE TO LIMIT BUILD-UP OD SURFACE BUG HOLES AND HONEYCOMBING. NO RUBBING ON CONCRETE SHALL BE PERMITTED.
4. AFTER STRIPPING OF FORM WORK ARCHITECT SHALL REVIEW QUALITY OF INSTALLATION AND FURBISH A WRITTEN ACCEPTANCE IF APPROVED.
5. BUG HOLES AND HONEYCOMBING: FILL ALL BUG HOLES EXCEDING 3/4 INCH DIAMETER. SMALL AREAS OF HONEYCOMB OR LARGER VOIDS, WHEN ACCEPTED, SHALL BE FILLED WITH DRY-PACK MORTAR AND FINISHED AS NOTED BELOW.
6. FINISH CONCRETE SURFACE BY INSTALLING "PLUS COLOR SEALER AND STAIN SYSTEM" BY OKON. COLOR SHALL BE SELECTED BY ARCHITECT.

1



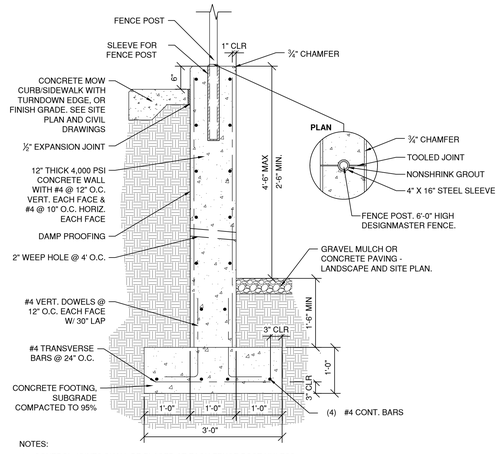
NOTES:
1. PROVIDE CONTROL JOINTS AT 5' O.C. UNLESS NOTE OTHERWISE AND EXPANSION JOINTS @ 20'-0" O.C.
2. SEE CIVIL DRAWINGS FOR WALL HEIGHTS.

B1 AS-132 RETAINING WALL DETAIL 12" MAX
3/4"=1'-0"



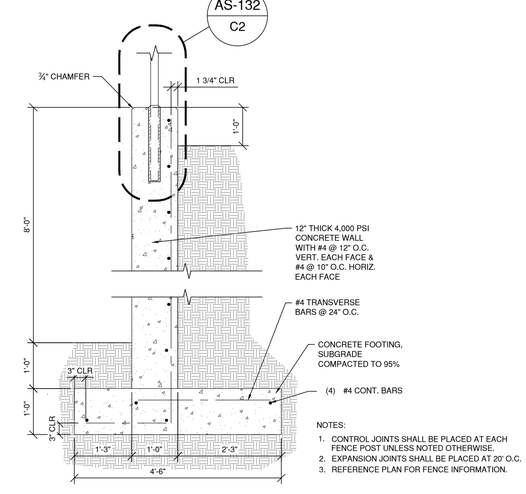
NOTES:
1. CONTROL JOINTS SHALL BE PLACED AT EACH FENCE POST UNLESS NOTED OTHERWISE.
2. EXPANSION JOINTS SHALL BE PLACED AT 20' O.C.
3. REFERENCE PLAN FOR FENCE INFORMATION.

B2 AS-132 RETAINING WALL DETAIL 12" - 2'-6"
3/4"=1'-0"



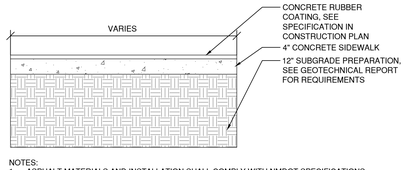
NOTES:
1. CONTROL JOINTS SHALL BE PLACED AT EACH FENCE POST UNLESS NOTED OTHERWISE.
2. EXPANSION JOINTS SHALL BE PLACED AT 20' O.C.
3. REFERENCE PLAN FOR FENCE INFORMATION.

B4 AS-132 RETAINING WALL 2'-6" - 4'-0"
3/4"=1'-0"



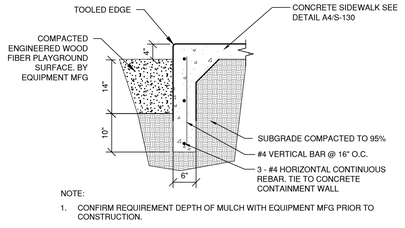
NOTES:
1. CONTROL JOINTS SHALL BE PLACED AT EACH FENCE POST UNLESS NOTED OTHERWISE.
2. EXPANSION JOINTS SHALL BE PLACED AT 20' O.C.
3. REFERENCE PLAN FOR FENCE INFORMATION.

B6 AS-132 RETAINING WALL DETAIL 4'-0" - 6'-0"
3/4"=1'-0"



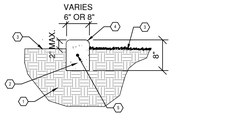
NOTES:
1. ASPHALT MATERIALS AND INSTALLATION SHALL COMPLY WITH NMDOT SPECIFICATIONS.
2. SUBGRADE PREP SHALL COMPLY WITH NMDOT SPECIFICATIONS.
3. FINISHING WILL BE APPLIED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATION.

A1 AS-132 COATED CONCRETE DETAIL
3/4"=1'-0"



NOTE:
1. CONFIRM REQUIREMENT DEPTH OF MULCH WITH EQUIPMENT MFG PRIOR TO CONSTRUCTION.

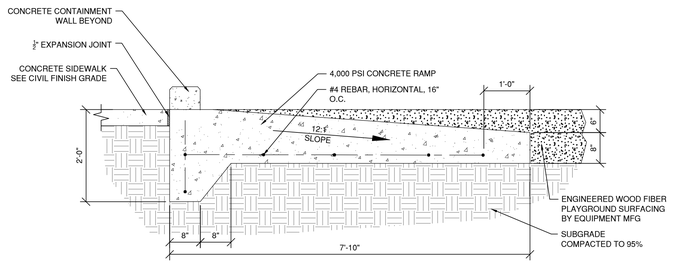
A2 AS-132 TURNDOWNEDGE AT PLAYGROUND
3/4"=1'-0"



KEYED NOTES
1. SUBGRADE COMPACTED TO 95%.
2. 4000 PSI CONCRETE.
3. FINISH GRADE.
4. TOOLED EDGE.
5. #4 CONT.

GENERAL NOTES
A. CONTROL JOINTS @ 5' O.C.
B. EXD 20' O.C.

A3 AS-132 CONCRETE EDGER
3/4"=1'-0"



SECTION

A5 AS-132 ACCESSIBLE RAMP @ PLAYGROUND
3/4"=1'-0"

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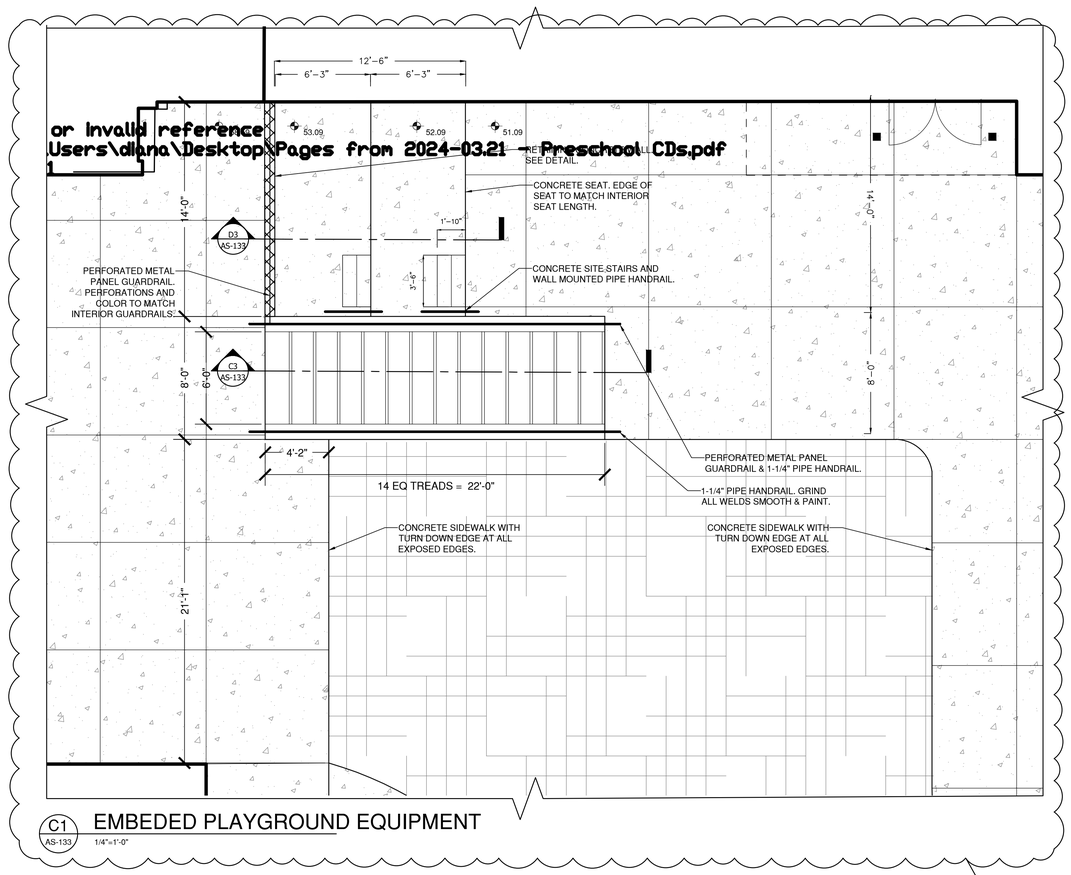
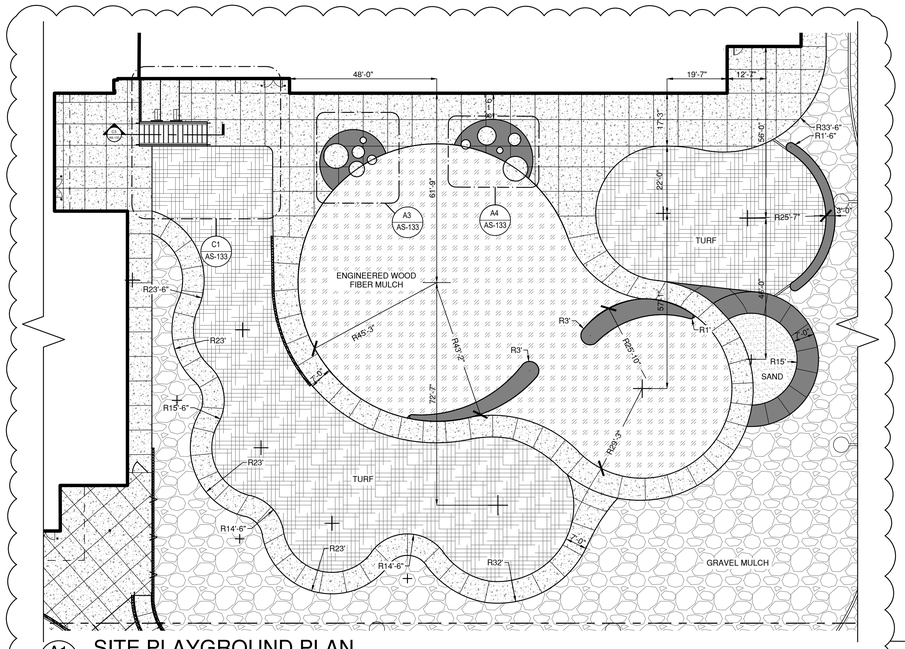


C1 AS-133 EMBEDED PLAYGROUND EQUIPMENT
1/4"=1'-0"



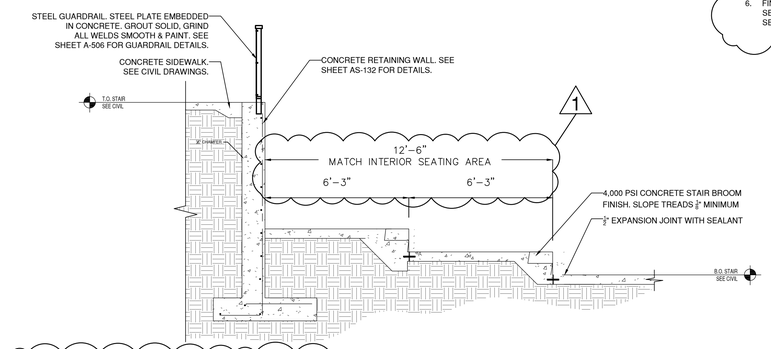
A1 AS-133 SITE PLAYGROUND PLAN
1"=20'-0"

HATCH LEGEND

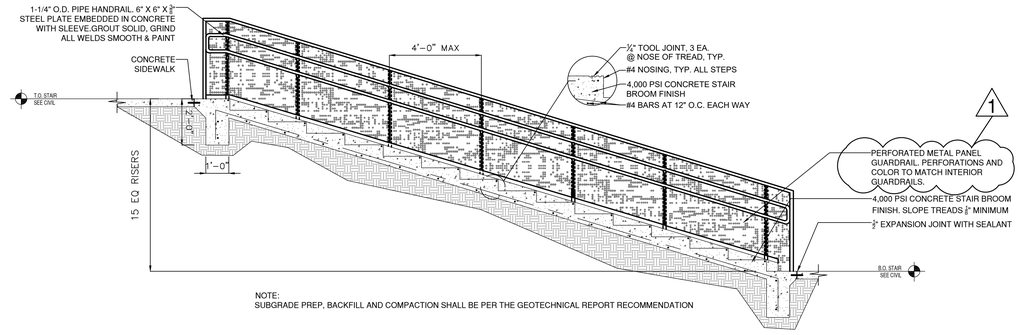
- NEW BUILDING
- CONCRETE PAVING
- TURF
- NATIVE REVEGTATION
- COLOR INTEGRAL CONCRETE
- NEW TURF GRASS, SEE LANDSCAPE
- PLAYGROUND SURFACING: ENGINEERED WOOD FIBER MULCH
- EXISTING GRASS
- GRAVEL MULCH

EXPOSED CONCRETE LEGEND

1. FORM FACING MATERIAL SHALL PRODUCE A SMOOTH UNIFORM TEXTURE ON THE CONCRETE. MATERIAL SHALL BE SUITABLE AND APPROVED FOR THE SMOOTH-FORM FINISH AND SHALL BE METAL, METAL-FRAMED MASONITE OR OTHER ACCEPTABLE TYPE CAPABLE OF PRODUCING THE DESIRED FINISH.
2. CONCRETE MIX SHALL BE OF APPROPRIATE COMPOSITION CAPABLE OF PROVIDING THE SPECIFIED STRUCTURAL STRENGTH AND THE DESIRED SMOOTH FINISH INDICATED IN THIS REQUIREMENTS.
3. THE RATE OF PLACEMENT OF CONCRETE SHALL BE CONTROLLED TO ELIMINATE OR LIMIT THE TRAPPING OR AIR, CONSOLIDATE AND VIBRATE TO LIMIT BUILD-UP OD SURFACE BUG HOLES AND HONEYCOMBING. NO RUBBING ON CONCRETE SHALL BE PERMITTED.
4. AFTER STRIPPING OF FORM WORK ARCHITECT SHALL REVIEW QUALITY OF INSTALLATION AND FURBISH A WRITTEN ACCEPTANCE IF APPROVED.
5. BUG HOLES AND HONEYCOMBING: FILL ALL BUG HOLES EXCEDING 3/4 INCH DIAMETER, SMALL AREAS OF HONEYCOMB OR LARGER VOIDS, WHEN ACCEPTED, SHALL BE FILLED WITH DRY-PACK MORTAR AND FINISHED AS NOTED BELOW.
6. FINISH CONCRETE SURFACE BY INSTALLING "PLUS COLOR SEALER AND STAIN SYSTEM" BY OKON. COLOR SHALL BE SELECTED BY ARCHITECT.

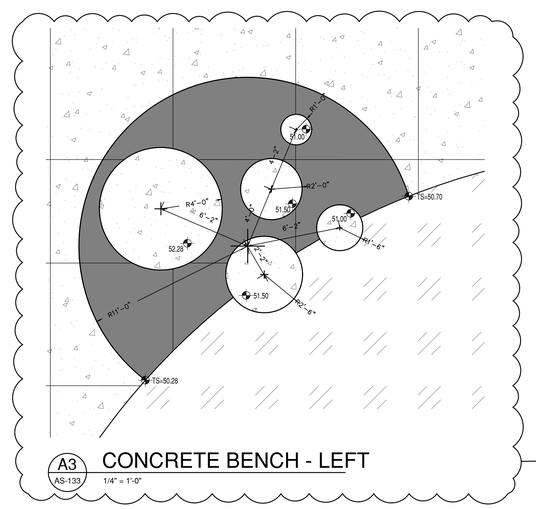


D3 AS-133 STAIR SECTION
3/8"=1'-0"

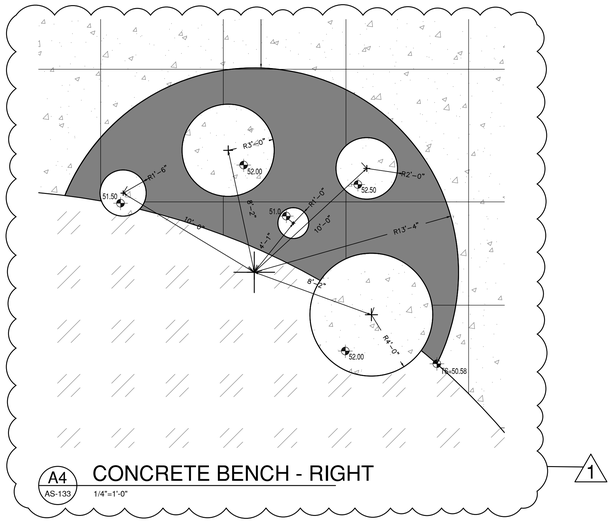


NOTE:
SUBGRADE PREP, BACKFILL AND COMPACTION SHALL BE PER THE GEOTECHNICAL REPORT RECOMMENDATION

C3 AS-133 STAIR SECTION
3/8"=1'-0"



A3 AS-133 CONCRETE BENCH - LEFT
1/4" = 1'-0"



A4 AS-133 CONCRETE BENCH - RIGHT
1/4"=1'-0"

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AS-133

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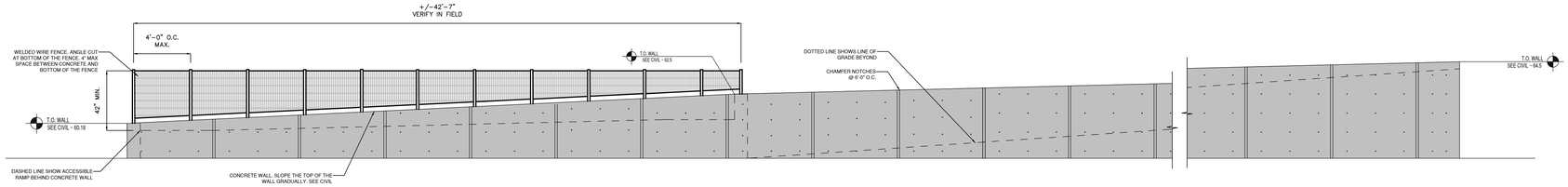
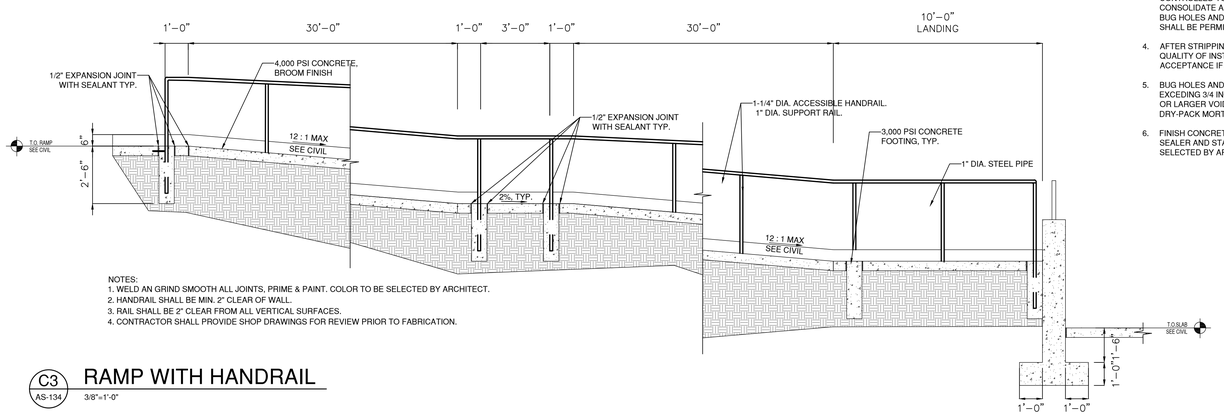


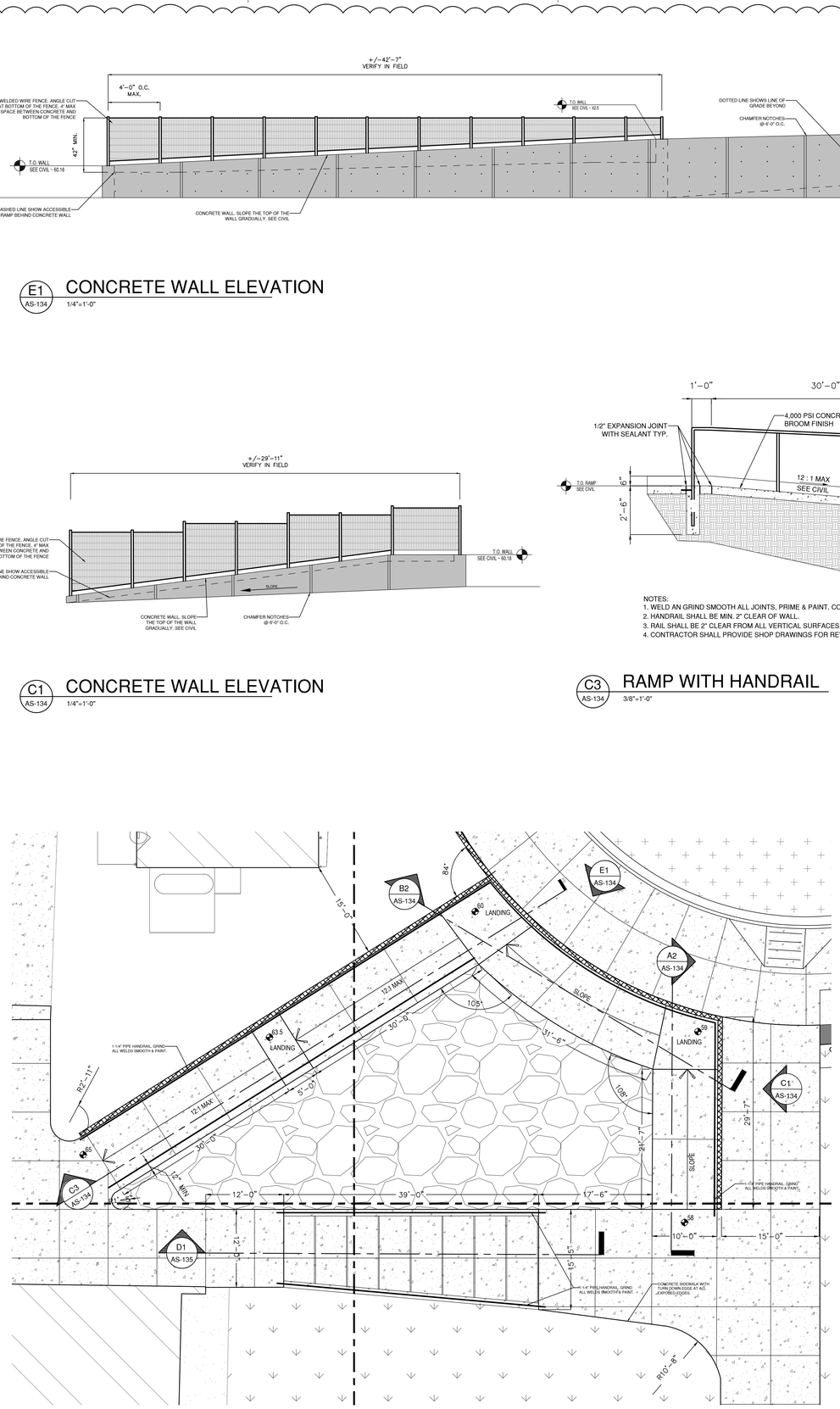
E1 AS-134 **CONCRETE WALL ELEVATION**
1/4"=1'-0"

C1 AS-134 **CONCRETE WALL ELEVATION**
1/4"=1'-0"

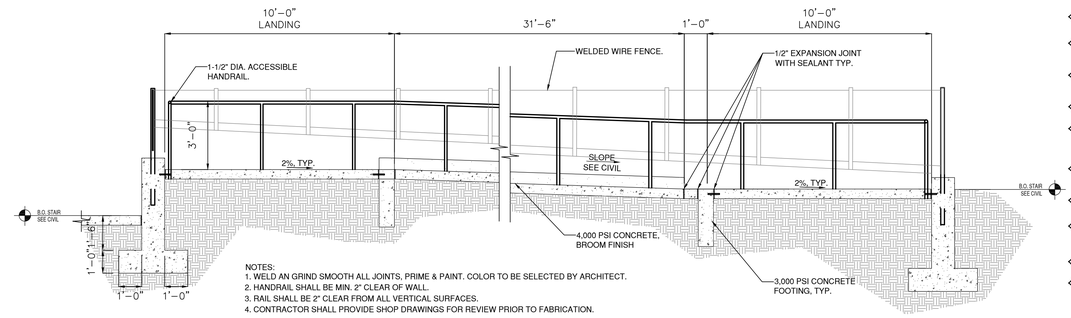


NOTES:
1. WELD AN GRIND SMOOTH ALL JOINTS, PRIME & PAINT. COLOR TO BE SELECTED BY ARCHITECT.
2. HANDRAIL SHALL BE MIN. 2" CLEAR OF WALL.
3. RAIL SHALL BE 2" CLEAR FROM ALL VERTICAL SURFACES.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

C3 AS-134 **RAMP WITH HANDRAIL**
3/8"=1'-0"

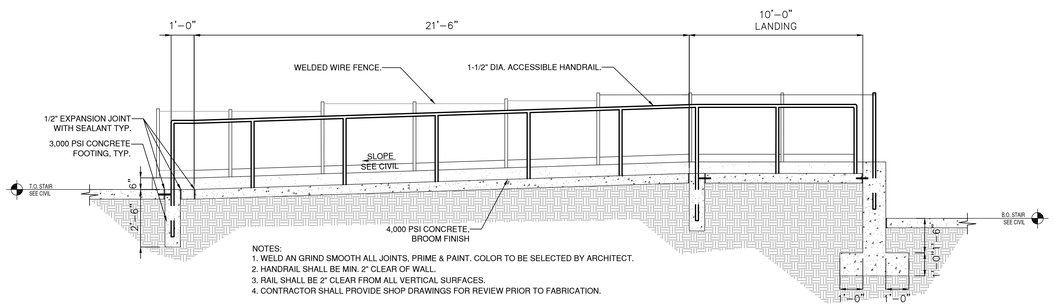


A1 AS-134 **SITE STAIR AND RAMP PLAN**
1/8"=1'-0"



NOTES:
1. WELD AN GRIND SMOOTH ALL JOINTS, PRIME & PAINT. COLOR TO BE SELECTED BY ARCHITECT.
2. HANDRAIL SHALL BE MIN. 2" CLEAR OF WALL.
3. RAIL SHALL BE 2" CLEAR FROM ALL VERTICAL SURFACES.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

B2 AS-134 **RAMP WITH HANDRAIL**
3/8"=1'-0"



NOTES:
1. WELD AN GRIND SMOOTH ALL JOINTS, PRIME & PAINT. COLOR TO BE SELECTED BY ARCHITECT.
2. HANDRAIL SHALL BE MIN. 2" CLEAR OF WALL.
3. RAIL SHALL BE 2" CLEAR FROM ALL VERTICAL SURFACES.
4. CONTRACTOR SHALL PROVIDE SHOP DRAWINGS FOR REVIEW PRIOR TO FABRICATION.

A2 AS-134 **RAMP WITH HANDRAIL**
3/8"=1'-0"

HATCH LEGEND

- NEW BUILDING
- CONCRETE PAVING
- TURF
- NATIVE REVEGTATION
- COLOR INTEGRAL CONCRETE
- NEW TURF GRASS, SEE LANDSCAPE
- PLAYGROUND SURFACING: ENGINEERED WOOD FIBER MULCH
- EXISTING GRASS
- GRAVEL MULCH

EXPOSED CONCRETE LEGEND

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3. THE RATE OF PLACEMENT OF CONCRETE SHALL BE CONTROLLED TO ELIMINATE OR LIMIT THE TRAPPING OR AIR. CONSOLIDATE AND VIBRATE TO LIMIT BUILD-UP OD SURFACE BUG HOLES AND HONEYCOMBING. NO RUBBING ON CONCRETE SHALL BE PERMITTED.
4. AFTER STRIPPING OF FORM WORK ARCHITECT SHALL REVIEW QUALITY OF INSTALLATION AND FURBISH A WRITTEN ACCEPTANCE IF APPROVED.
5. BUG HOLES AND HONEYCOMBING: FILL ALL BUG HOLES EXCEDING 3/4 INCH DIAMETER. SMALL AREAS OF HONEYCOMB OR LARGER VOIDS. WHEN ACCEPTED, SHALL BE FILLED WITH DRY-PACK MORTAR AND FINISHED AS NOTED BELOW.
6. FINISH CONCRETE SURFACE BY INSTALLING "PLUS COLOR SEALER AND STAIN SYSTEM" BY OKON. COLOR SHALL BE SELECTED BY ARCHITECT.

1

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STATE OF NEW MEXICO
03/21/2024
SANJAY I. ENGINEER
No. 3088
REGISTERED PROFESSIONAL

ARCHITECT ENGINEER

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5840 FORTUNA DR.
FARMINGTON, NM 87402

CONSTRUCTION DOCUMENTS
MARCH 21, 2024

MARK	DATE	DESCRIPTION
1	8/23/2024	ADDENDUM 01

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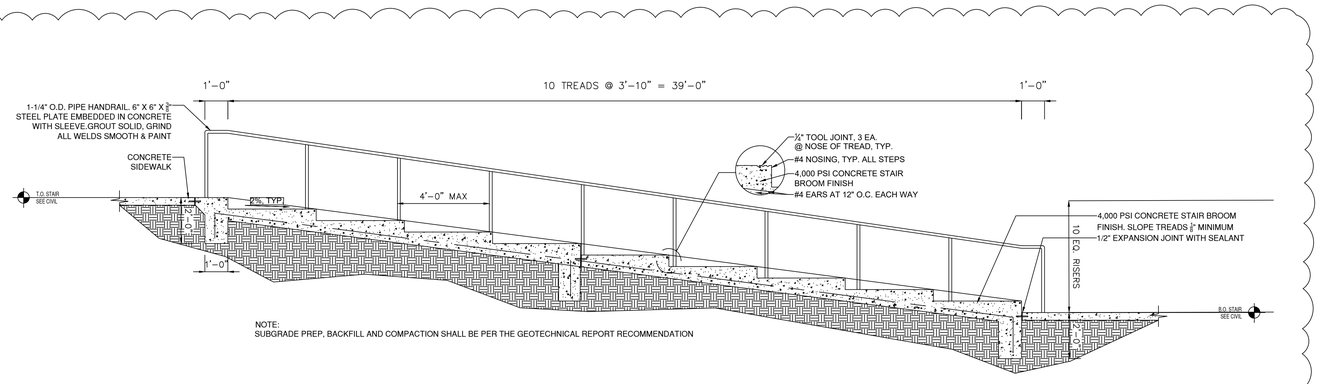
CHECKED BY:	JT

SHEET TITLE

SITE PLAN DETAILS

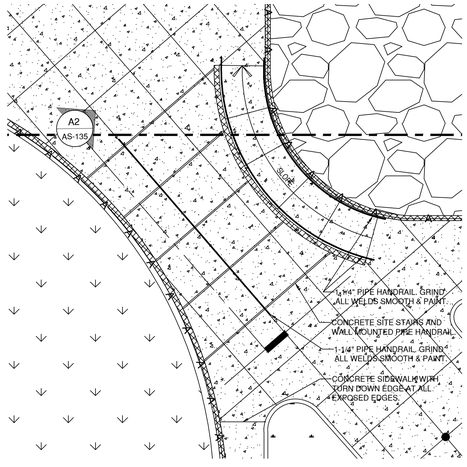
AS-134

8/23/2024 4:17:35 PM

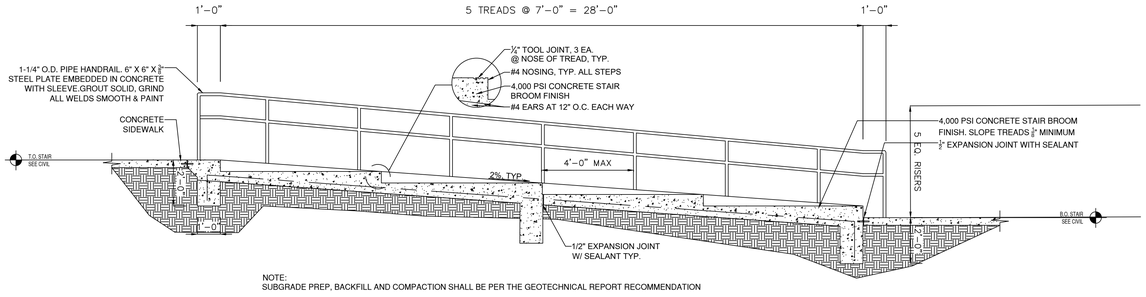


NOTE:
SUBGRADE PREP, BACKFILL AND COMPACTION SHALL BE PER THE GEOTECHNICAL REPORT RECOMMENDATION

C1 AS-135 **STAIR DETAIL**
3/8"=1'-0"



A1 AS-135 **SITE STAIR AND RAMP PLAN**
1/8"=1'-0"



NOTE:
SUBGRADE PREP, BACKFILL AND COMPACTION SHALL BE PER THE GEOTECHNICAL REPORT RECOMMENDATION

A2 AS-135 **RAMP WITH HANDRAIL**
3/8"=1'-0"

HATCH LEGEND

- NEW BUILDING
- CONCRETE PAVING
- TURF
- NATIVE REVEGTATION
- COLOR INTEGRAL CONCRETE
- NEW TURF GRASS, SEE LANDSCAPE
- PLAYGROUND SURFACING: ENGINEERED WOOD FIBER MULCH
- EXISTING GRASS
- GRAVEL MULCH

EXPOSED CONCRETE LEGEND

1. FORM FACING MATERIAL SHALL PRODUCE A SMOOTH UNIFORM TEXTURE ON THE CONCRETE. MATERIAL SHALL BE SUITABLE AND APPROVED FOR THE SMOOTH-FORM FINISH AND SHALL BE METAL, METAL-FRAMED MASONITE OR OTHER ACCEPTABLE TYPE CAPABLE OF PRODUCING THE DESIRED FINISH.
2. CONCRETE MIX SHALL BE OF APPROPRIATE COMPOSITION CAPABLE OF PROVIDING THE SPECIFIED STRUCTURAL STRENGTH AND THE DESIRED SMOOTH FINISH INDICATED IN THIS REQUIREMENTS.
3. THE RATE OF PLACEMENT OF CONCRETE SHALL BE CONTROLLED TO ELIMINATE OR LIMIT THE TRAPPING OR AIR. CONSOLIDATE AND VIBRATE TO LIMIT BUILD-UP OD SURFACE BUG HOLES AND HONEYCOMBING. NO RUBBING ON CONCRETE SHALL BE PERMITTED.
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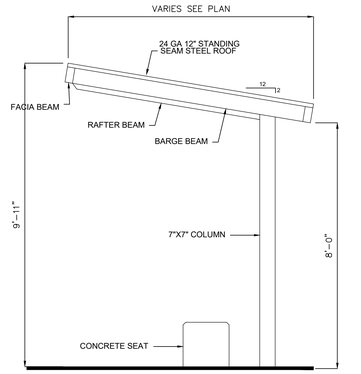
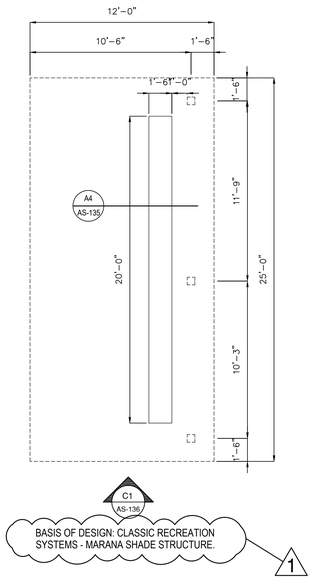


BASIS OF DESIGN: CLASSIC RECREATION SYSTEMS - MARANA SHADE STRUCTURE.

1

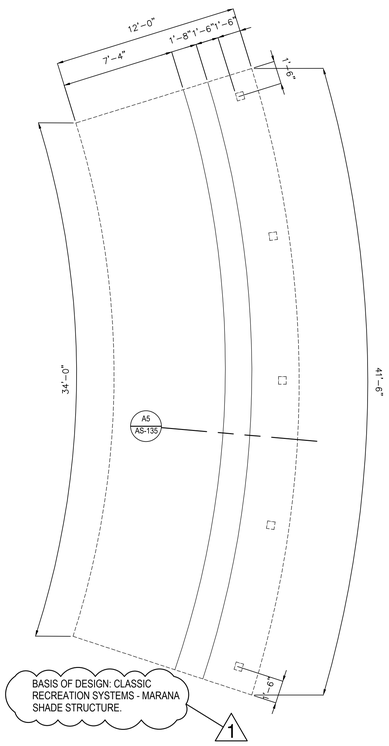
C1 CANOPY ELEVATION
AS-136 1/2"=1'-0"



BASIS OF DESIGN: CLASSIC RECREATION SYSTEMS - MARANA SHADE STRUCTURE.

1

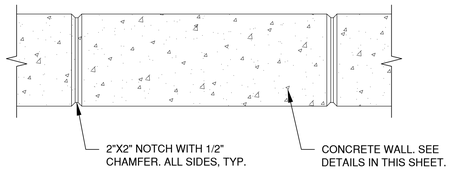
A1 CANOPY ELEVATION/ PLAN DETAIL
AS-136 1/4"=1'-0"



BASIS OF DESIGN: CLASSIC RECREATION SYSTEMS - MARANA SHADE STRUCTURE.

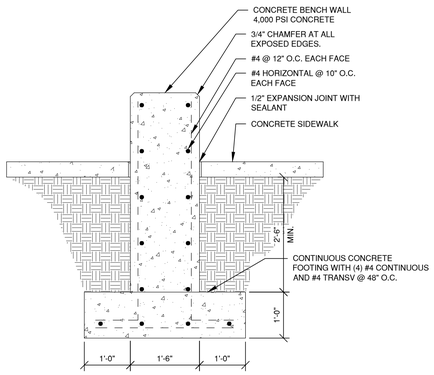
1

A2 CANOPY PLAN DETAIL
AS-136 1/4"=1'-0"



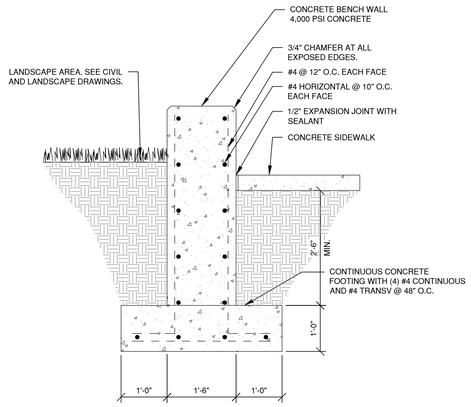
NOTES:
1. INSTALL EXP. JOINTS @ 20'-0" O.C. MAX WITH REMOVABLE DOWELS @ 12" O.C., 12" BOTH WAYS.
2. INSTALL CHAMFER NOTCHES @ 6'-0" O.C.

C4 CONCRETE SEAT WALL
AS-136 1"=1'-0"

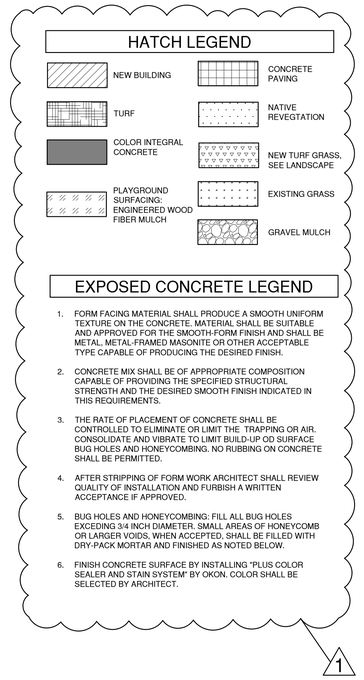


NOTES:
1. THE FINISH SURFACES OF THE WALL SHALL BE FREE OF HONEYCOMB PATTERNS AND SHARP OR ROUGH EDGES. EXPOSED UNIFORMLY-SPACED, SNAP TIE INDENTATIONS ARE ACCEPTABLE.
2. RUBBING OR PATCHING OF EXPOSED WALL SURFACES IS NOT ACCEPTABLE.
3. INSTALL VERTICAL EXPANSION JOINT @ 44-0" O.C. PER DETAIL C4 OF THIS SHEET.
4. TOP OF WALL SHALL BE LEVEL. SEE GRADING AND DRAINAGE PLAN FOR BASE OF WALL ELEVATIONS.

A4 CONCRETE SEAT WALL
AS-136 3/4"=1'-0"



A5 CONCRETE SEAT WALL
AS-136 3/4"=1'-0"



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AS-136

Farmington Preschool Academy

LUMINAIRE SCHEDULE NOTES:

1. MANUFACTURERS CATALOG NUMBERS REPRESENT MANUFACTURER SERIES. SHOP DRAWING SUBMITTALS WILL INCLUDE ALL PART NUMBERS REPRESENTING ALL ITEMS OF THIS LUMINAIRE SCHEDULE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ORDER LUMINAIRES TO INCLUDE ALL PARTS INDICATED ON SCHEDULE FOR EACH LUMINAIRE. SUBMITTAL WILL CALL OUT EACH PART CLEARLY.
2. LUMINAIRE REQUIRES MOUNTING COORDINATION WITH ARCHITECT PRIOR TO COMMENCEMENT OF ANY WORK. THIS LUMINAIRE MAY REQUIRE A HIGHER OR LOWER MOUTING FROM THAT PROVIDED ON THIS SCHEDULE OR NOTES ON PLAN DUE TO ARCHITECTURAL REQUIREMENTS OR CONSTRUCTION CONDITIONS.
3. ALL LUMINAIRES ON THIS LUMINAIRE SCHEDULED ARE APPROVED FOR BID ON THIS PROJECT. IF A LUMINAIRE IS SUBMITTED THAT IS NOT ON THIS SCHEDULE IT WILL BE REJECTED.
4. SHOULD ANY LUMINAIRE BE NOT AVAILABLE AT TIME OF SUBMITTAL, CONTRACTOR WILL USE ONE OF THE OTHER LUMINAIRES INDICATED IN EACH TYPE FOR REPLACEMENT. NO OTHERS WILL BE ACCEPTED

ELECTRICAL LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	MOUNTING	LED DRIVER	EM. BAT. PK.	LENS	MANUFACTURER / MODEL	NOTES
A1	1' x 4" LED LINEAR FLAT PANEL RECESSED. 4000K.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING	LED, 4000K, 45 MAX WATTS, 4900 MINIMUM DELIVERED LUMENS	NONE	WHITE ACRYLIC	DAYBRITE #1FPZ45L840-4-DS-UNV-DIM	1,3,4
A1F	1' x 4' ARCHITECTURAL LED HIGH ENERGY EFFICIENT LUMINAIRE. RECESSED, LOW PROFILE.	277V OR 120V MULTI. TAP (UNV.)	RECESSED GYP. BOARD	LED, 4000K, 40 MAX WATTS, 3900 DELIVERED LUMENS	NONE	WHITE ACRYLIC	DAYBRITE #1FPZ45L840-4-DS-UNV-DIM-FMA14FP METALUX #14CGT4040C COLUMBIA #CFP14-LSCS LITHONIA #EPANL-1X4-4000LM-80CRI-40K-MIN10-ZT-MVOLT-DGA1	1,3,4
A4	2' x 4' ARCHITECTURAL LED HIGH ENERGY EFFICIENT LUMINAIRE. FLAT PANEL, VERY LOW PROFILE.	277V OR 120V MULTI. TAP (UNV.)	RECESSED T-GRID	LED, 4000K, 45 MAX WATTS, 4900 MINIMUM DELIVERED LUMENS	NONE	WHITE ACRYLIC	DAYBRITE #2FPZ54L840-4-DS-UNV-DIM METALUX #24CGTX-55-L840 COLUMBIA #CFP24-LSCS-PLD10M LITHONIA #EPANL LED-2X4-5400LM-80CRI-40K-MIN10-ZT-MVOLT	1,3,4
A4C	2' x 4' ARCHITECTURAL LED HIGH ENERGY EFFICIENT AND COLOR TUNING RANGE FROM 2000K TO 6500K LUMINAIRE. RECESSED FLAT PANEL.	277V OR 120V MULTI. TAP (UNV.)	RECESSED T-GRID	LED, 4000K, 45 MAX WATTS, 4900 MINIMUM DELIVERED LUMENS	NONE	WHITE ACRYLIC	ALS #LPTW-4-BACKLIT-WHITE LITHONIA# CPXTW-2X4-TUWH-RHYR-6000LM-80CRI-SWL-MVOLT-NLT / NLIGHT# NIO-EZDL-CCT COLUMBIA #SRP24-3050T-HL-G-EDU METALUX #24APR-58-L92765-14000-L92765-UNV-W2A-W2A-XX	1,3,4
AK	2' X 4' ARCHITECTURAL LED HIGH ENERGY EFFICIENT TROFFER LUMINAIRE WITH INVERTED LENS. FLAT PANEL, VERY LOW PROFILE	277V OR 120V MULTI. TAP (UNV.)	RECESSED T-GRID	LED, 4000K, 47 MAX WATTS, 4400 MINIMUM DELIVERED LUMENS	NONE	PRISMATIC A12.125 INVERTED ACRYLIC LENS	DAYBRITE #2FPZ48L840-4-DS-UNV-DIM METALUX #24CGT4540C COLUMBIA #LJT24-40MLG-FSA-12125(INV)-EDU LITHONIA #EPANL-LED-2X4-4800LM-80CRI-40K-MIN10-ZT-MVOLT	1,3,4
B	4' GENERAL PURPOSE LED STRIP FIXTURE, DIE FORMED STEEL HOUSING, BAKED WHITE ENAMEL FINISH, WITH DIFFUSING LENS.	277V OR 120V MULTI. TAP (UNV.)	WALL MOUNTED AT 8'-6" AFF, SURFACE MOUNTED TO CEILING, OR JOISTS.	LED, 4000K, 50 MAX WATTS, 4700 MINIMUM DELIVERED LUMENS	NONE	FROSTED ACRYLIC	DAYBRITE #SS455L840-UNV-DIM METALUX #4ST2L40SC3-4ST2L40SC3 COLUMBIA #MPS4-40HL-C-W-EDU LITHONIA #ZL1N-L48-5000LM-FST-MVOLT-40K-90CR-WH	1,3,4
C4	4" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED. HIGH ENERGY EFFICIENT.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING	LED, 4000K, 20 MAX WATTS, 1400 MINIMUM DELIVERED LUMENS	NONE	FROSTED GLASS LENS	LIGHTOLIER#4RN/Z4RDL-15-940-W-O-CD-Z10-U PEACHTREE LIGHTING# 4BLRD-32-DMLV10-40-90-SH-ICE-C-WL-277 PRESCOLITE #LTR-4RD-H-ML-25L-DM1/LTR-4RD-T-ML-40-8-WD-S-B24 HALO #HC4-10-D010-HM40525-940-WD-H	1,3,4
C4E	4" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED. HIGH ENERGY EFFICIENT.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING	LED, 4000K, 20 MAX WATTS, 1400 MINIMUM DELIVERED LUMENS	INTEGRAL UL924 NiCAD BATTERY.	FROSTED GLASS LENS	LIGHTOLIER#4RN-EM6/Z4RDL-15-940-W-O-CD-Z10-U HALO #HC4-10-D010-IEM14-HM40525-940-WD-H PRESCOLITE #LTR-4RD-H-ML-25L-DM1-EM/LTR-4RD-T-ML-40-8-WD-S-B24 PEACHTREE LIGHTING# 4BLRD-32-DMLV10-40-90-SH-ICE-C-WL-EML1-277	1,3,4
C6	6" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED. HIGH ENERGY EFFICIENT.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING	LED, 4000K, 20 MAX WATTS, 1400 MINIMUM DELIVERED LUMENS	NONE	FROSTED GLASS LENS	LIGHTOLIER #6RN-Z6RDL-15-940-W-O-CD-Z10-U HALO #HC6-15-D010-HM6-12-840-61WHD PRESCOLITE #LFR-6RD-M-15L-40K-8-DM1/LFR-6RD-T-S-CL/LFR-6RD-H PEACHTREE #6BLRD-17-DMVL10-40K-80-SH-ICE C-WL-27	1,3,4
C6E	6" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED. HIGH ENERGY EFFICIENT. EMERGENCY BATTERY BACKUP.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING	LED, 4000K, 20 MAX WATTS, 1400 MINIMUM DELIVERED LUMENS	INTEGRAL UL924 NiCAD BATTERY.	FROSTED GLASS LENS	LIGHTOLIER #6RN-EM6-Z6RDL-15-940-W-O-CD-Z10-U HALO #HC6-15-D010-IEM7-HM6-12-840-61WHD PRESCOLITE #LFR-6RD-M-15L-40K-8-DM1-EM/LFR-6RD-T-S-CL/LFR-6RD-H	
C6W	6" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING		NONE	NONE	METALUX # LDS6C-15-90-40-D010-PS-2-MW OR APPROVED EQUAL	
C6WE	6" ROUND ARCHITECTURAL LED DOWN LIGHT. WET LOCATION RATED.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING		YES	NONE	METALUX # LDS6C-15-90-40-D010-PS-2-MW-EMBOD6ST OR APPROVED EQUAL	
E1	LED EXIT SIGN, EMERGENCY, DIE CAST ALUMINUM HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (SINGLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS). MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE. WITH SELF-CONTAINED, NICKEL-CADIUM EMERGENCY BATTERY PACK.	277V OR 120V MULTI. TAP (UNV.)	SURFACE CEILING OR WALL AT 8'-6" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	GREEN LED, 3 MAX WATTS	INTEGRAL UL924 NiCAD BATTERY.	BRUSHED ALUMINUM FACE	LIGHTALARMS #1-XDND-B-GB-VR ISOLITE #EDC-EM-G-1-BA-BK-MTEBP DUALLITE #SE-S-G-BNE LITHONIA #LE-S-1-G-ELN	1,2,3,4
E2	LED EXIT SIGN, EMERGENCY, DIE CAST ALUMINUM HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (DOUBLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS). MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE. WITH SELF-CONTAINED, NICKEL-CADIUM EMERGENCY BATTERY PACK.	277V OR 120V MULTI. TAP (UNV.)	SURFACE CEILING OR WALL AT 8'-6" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	GREEN LED, 3 MAX WATTS	INTEGRAL UL924 NiCAD BATTERY.	BRUSHED ALUMINUM FACE	LIGHTALARMS #2-XDND-B-GB-VR ISOLITE #EDC-EM-G-2-BA-BK-MTEBP DUALLITE #SE-D-G-BNE LITHONIA #LE-S-2-G-ELN	1,2,3,4
E3	LED EXIT SIGN, EMERGENCY, DIE CAST ALUMINUM HOUSING WITH GREEN CHARACTERS, BLACK HOUSING AND BRUSHED ALUMINUM FACE (DOUBLE FACE AND DIRECTIONAL ARROWS AS INDICATED ON LIGHTING PLANS). MEETS UL LISTINGS FOR THIS TYPE OF LUMINAIRE. WITH SELF-CONTAINED, NICKEL-CADIUM EMERGENCY BATTERY PACK. WET RATED.	277V OR 120V MULTI. TAP (UNV.)	EXT. SURFACE CEILING OR WALL AT 8'-6" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	GREEN LED, 3 MAX WATTS	INTEGRAL UL924 NiCAD BATTERY.	BRUSHED ALUMINUM FACE/POLYCARBONATE	LIGHTALARMS #XVE - FINISH	1,2,3,4
E4	COMBINATION EXIT/EMERGENCY LIGHT. EMG. BATT. PACK.	277V OR 120V MULTI. TAP (UNV.)	SURFACE CEILING OR WALL AT 8'-6" AFF UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	(2) TWO LED, 4 MAX WATTS	UL924 NiCAD BATTERY.	NONE	COOPER#APCH7RSQ	

ELECTRICAL LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	VOLTS	MOUNTING	LED DRIVER	EM. BAT. PK.	LENS	MANUFACTURER / MODEL	NOTES
EM	CONTEMPORARY, LOW PROFILE EMERGENCY BATTERY PACK FIXTURE WITH AN INJECTED MOLDED, HIGH IMPACT, UV STABLIZED THERMOPLASTIC HOUSING, 6V LEAD CALCIUM BATTERY, ADA COMPLIANT, ADJUSTABLE LAMP SOCKETS, SHORT CIRCUIT AND BROWNOUT PROTECTION.	277V OR 120V MULTI. TAP (UNV.)	SURFACE AT 8'-6" AFF OR CEILING MOUNTED UNLESS OTHERWISE NOTED ON LIGHTING PLANS.	(2) TWO LED, 4 MAX WATTS	INTEGRAL UL924 NiCAD BATTERY.	ACRYLIC FRESNAL	LIGHTALARMS #CM-PB-LA SURE-LITES #APEL-MINI DUALLITE #EV-2 LITHONIA #ELM2-LED	1,3,4
F	SLIM, LOW PROFILE, FULLY GASKETED DIE CAST ENCLOSURE, IP65 WET LOCATION RATED, HIGH IMPACT UV RESISTANT POLYCARBONATE LENS, FULL CUT OFF. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B1 U0 G0 OR BETTER.	277V OR 120V MULTI. TAP (UNV.)	EXTERIOR WALL SURFACE MOUNT REFER TO ARCH. ELEV. A-202 SERIES FOR HEIGHT	LED, 4000K, 30 MAX WATTS, 2900 MINIMUM DELIVERED LUMENS	NONE	IMPACT RESISTANT UV RESISTANT POLYCARBONATE	ILP # SWP-3L-U-CCTS-XX LUMARK #AXCS2A TRACELITE #WLZ2-4-4K-XX LITHONIA #WDGE1-LED-4W-P2-40K-80CRI-VW-MVOLT-SRM-DNAXD	1,2,3,4
FE	SLIM, LOW PROFILE, FULLY GASKETED DIE CAST ENCLOSURE, IP65 WET LOCATION RATED, HIGH IMPACT UV RESISTANT POLYCARBONATE LENS, FULL CUT OFF. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST MEET B.U.G. RATING B1 U0 G0 OR BETTER.	277V OR 120V MULTI. TAP (UNV.)	EXTERIOR WALL SURFACE MOUNT REFER TO ARCH. ELEV. A-202 SERIES FOR HEIGHT	LED, 4000K, 30 MAX WATTS, 5000 MINIMUM DELIVERED LUMENS	INTEGRAL UL924 NiCAD BATTERY.	IMPACT RESISTANT UV RESISTANT POLYCARBONATE	ILP #SWP-5L-U-CCTS-XX-LEDBBCT LUMARK #AXCS5A-CBP-CEC TRACELITE #WLZ4-4-4K-XX-BB LITHONIA #WDGE2-LED-10W-P5-40K-80CRI-VW-MVOLT-SRM-E4WH-DNAXD	1,3,4
L1R	4' x 4" LED LINEAR RECESSED. 4000K.	277V OR 120V MULTI. TAP (UNV.)	RECESSED IN CEILING	LED, 4000K, 40 MAX WATTS, 3900 DELIVERED LUMENS			MARK#SL4L LOP 4FT FLP FL 90CRI 40K 1000LMF DARK 57VDC FL/SLVT DCHUB	
L11	LED TAPE LIGHT IN EXTRUDED ALUMINIUM WITH DIFFUSE OPAL LENS. 4000K	277V OR 120V MULTI. TAP (UNV.)	RECESSED CEILING/WALL	LED, 4000K, 96 MAX WATTS, 2.8W/PLF MINIMUM DELIVERED LUMENS	UL924 NiCAD BATTERY.	IMPACT RESISTANT UV RESISTANT ACRYLIC	LUMINII#MKRW 12-144-72SO-40K F-GS-WH-B-1	1,2,3,4
PD1	75" DIA. LED RING PENDANT. FINISH/OPTIONS PER ARCHITECT.	277V OR 120V MULTI. TAP (UNV.)	AIRCRAFT CABLE SUSPENDED-HEIGHT PER ARCHITECT	LED, 4000K, 45 MAX WATTS, 4900 MINIMUM DELIVERED LUMENS	NONE	FROSTED ACRYLIC	SATTLER INTERLUX DUETTO DIRECT#1632	1,2
PD2	49" DIA. LED RING PENDANT. FINISH/OPTIONS PER ARCHITECT.	277V OR 120V MULTI. TAP (UNV.)	AIRCRAFT CABLE SUSPENDED-HEIGHT PER ARCHITECT	LED, 4000K, 45 MAX WATTS, 4900 MINIMUM DELIVERED LUMENS	NONE	FROSTED ACRYLIC	SATTLER INTERLUX DUETTO DIRECT#1630	1,2
PD3	36" DIA. LED RING PENDANT. FINISH/OPTIONS PER ARCHITECT.	277V OR 120V MULTI. TAP (UNV.)	AIRCRAFT CABLE SUSPENDED-HEIGHT PER ARCHITECT	LED, 4000K, 45 MAX WATTS, 4900 MINIMUM DELIVERED LUMENS	NONE	FROSTED ACRYLIC	SATTLER INTERLUX DUETTO DIRECT#1629	1,2
S3	SINGLE MOUNT ARCHITECTURAL AREA LIGHT. TYPE III OPTICS. 16' SQUARE POLE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST BE B.U.G. RATING B4 U2 G2 OR BETTER. HOUSE SIDE SHEILD.	480V	16'-0" SQUARE POLE	LED, 4000K, 106 MAX WATTS, 11,000 MINIMUM DELIVERED LUMENS.	NONE	CLEAR ACRYLIC	GARDCO #ECF-S-32L-1A-NW-G2-AR-3-480-HIS-32-H/ LYTEPOLES #101-40-11-16-AB-D1 SPITZER #PKL2-130L-480-40K-T3-XX-AM / DS330-400Q160 CURRENT #ASL1-160L-100-4K7-3-480-A-7PR-FINISH/SSS-H-16-40-A-XX-XX LITHONIA # RSX1-LED-P3-40K-R3-480-SPA-XXX POLE# SSS-16-4C-DM19AS-XXX-XXX	1,2,3,4
S4	SINGLE MOUNT ARCHITECTURAL AREA LIGHT. TYPE IV OPTICS. 16' SQUARE POLE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST BE B.U.G. RATING B4 U2 G2 OR BETTER.	480V	16'-0" SQUARE POLE	LED, 4000K, 106 MAX WATTS, 11,000 MINIMUM DELIVERED LUMENS.	NONE	CLEAR ACRYLIC	GARDCO #ECF-S-32L-1A-NW-G2-AR-4-480 / LYTEPOLES #101-40-11-16-AB-D1 SPITZER #PKL2-130L-480-40K-T4-XX-AM / DS330-400Q160 CURRENT #ASL1-160L-100-4K7-4W-480-A-7PR-FINISH/SSS-H-16-40-A-XX-XX LITHONIA # RSX1-LED-P3-40K-R4-480-SPA-XXX POLE# SSS-16-4C-DM19AS-XXX-XXX	1,2,3,4
S24	DOUBLE MOUNT ARCHITECTURAL AREA LIGHT. TYPE IV OPTICS. 16' SQUARE POLE. COORDINATE FINISH COLOR WITH ARCHITECT AT SUBMITTAL OF LUMINAIRES. MUST BE B.U.G. RATING B4 U2 G2 OR BETTER.	480V	16'-0" SQUARE POLE	LED, 4000K, 106 MAX WATTS, 11,000 MINIMUM DELIVERED LUMENS.	NONE	CLEAR ACRYLIC	GARDCO #ECF-S-32L-1A-NW-G2-AR-4-480 / LYTEPOLES #101-40-11-16-AB-D1 SPITZER #PKL2-130L-480-40K-T4-XX-AM / DS330-400Q160 CURRENT #ASL1-160L-100-4K7-4W-480-A-7PR-FINISH/SSS-H-16-40-A-XX-XX LITHONIA # RSX1-LED-P3-40K-R4-480-SPA-XXX POLE# SSS-16-4C-DM28AS-XXX-XXX	1,2,3,4

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CONSTRUCTION DOCUMENTS
AUGUST 2024

MARK	DATE	DESCRIPTION
1	08/06/24	Addendum 001

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	AUGUST 2024
PROJECT NO:	K23-001
DRAWN BY:	Author
CHECKED BY:	Checker

SHEET TITLE

ELECTRICAL SCHEDULES

E-701

Bridgers & Paxton Project No: 8819 8/6/2024 1:25:23 PM D:\Revit 2023\Projects\8819_MEP_Farmington Preschool Academy_wkstacy.rvt
Farmington Preschool Academy

Branch Panel: L1C

Location: ELEC 110B
Supply From: DPL1A
Mounting: Surface
Enclosure: Type 1

Volts: 120/208 Wye
Phases: 3
Wires: 4
Spaces: 84

MINIMUM A.I.C. Rating: 10,000
Mains Type: MCB
Mains Rating: 225 A
MCB Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	NC WORKROOM 112	20 A	1	500 VA	900 VA					1	20 A	CON CR10 114	2
3	CON CR11 116	20 A	1			900 VA	1260 VA			1	20 A	WORKROOM 112	4
5	CON SPECIAL ED 110	20 A	1					900 VA	180 VA	1	20 A	REC WORKROOM 112	6
7	REC SPECIAL ED 110	20 A	1	720 VA	1080 VA					1	20 A	REC	8
9	REC CR10 114	20 A	1			720 VA	720 VA			1	20 A	REC CR11 116	10
11	REC CR13 109	20 A	1					900 VA	720 VA	1	20 A	REC CR13 109	12
13	REC CR14 111	20 A	1	900 VA	720 VA					1	20 A	REC CR14 111	14
15	REC CR15 113	20 A	1			900 VA	720 VA			1	20 A	REC CR15 113	16
17	REC WORKROOM 112	20 A	1					180 VA	180 VA	2	20 A	CON WORKROOM 112	18
19	REC HALLWAY 100	20 A	1	180 VA	180 VA					--	--	--	20
21	REC HALLWAY 100	20 A	1			180 VA							22
23													24
25													26
27													28
29													30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		5180 VA		5400 VA		3060 VA					
		Total Amps:		46 A		48 A		26 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	680 VA	100.00%	680 VA		
CON	360 VA	125.00%	450 VA	**Total Conn. Load:**	13640 VA
REC	12600 VA	89.68%	11300 VA	**Total Est. Demand:**	12430 VA
				Total Conn. Current:	38 A
				Total Est. Demand Current:	35 A

Branch Panel: H1A

Location: ELEC 233
Supply From: MSB
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Spaces: 42

MINIMUM A.I.C. Rating: 42,000
Mains Type: MLO
Mains Rating: 225 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	CON MARQUEE SIGN	20 A	1	180 VA	850 VA					1	20 A	LTG Lighting	2
3	Lighting MULTIPURPOSE 101	20 A	1			418 VA	850 VA			1	20 A	LTG Lighting	4
5	Room 200, 201	20 A	1					1416 VA	692 VA	1	20 A	Room 203, 204, 202, 206, 207, 201, 308, 205	6
7	LTG Room 213A, 213, 213C, 213B	20 A	1	200 VA	549 VA					1	20 A	LTG Lighting	8
9	LTG CR2 212	20 A	1			850 VA	850 VA			1	20 A	LTG CR4 218	10
11	LTG Room 217, 219, 223, 224, 216, 215, 222	20 A	1					325 VA	850 VA	1	20 A	LTG OP/TP 211	12
13	Room 229, 225, 232, 233, 231, 226, 230, 228, 227	20 A	1	624 VA	850 VA					1	20 A	LTG CR5 220	14
15	HALLWAY 100	20 A	1			884 VA	25 VA			1	20 A	LTG Lighting	16
17	Room 115	20 A	1					433 VA	162 VA	1	20 A	Room 103, 102, 109	18
19	LTG Lighting	20 A	1	850 VA	850 VA					1	20 A	LTG Lighting	20
21	LTG Lighting	20 A	1			850 VA	225 VA			2	20 A	LTG Exterior Drive Lane Lighting	22
23	LTG Lighting	20 A	1					216 VA	0 VA	--	--	--	24
25	LTG Exterior Bus Dropoff Lighting	20 A	2	300 VA	0 VA					--	--	--	26
27	--	--	--			0 VA	600 VA			2	20 A	LTG Exterior Parking LIghting	28
29	--	--	--					0 VA	0 VA	--	--	--	30
31	LTG Exterior Parking Lighting	20 A	2	1000 VA	0 VA					--	--	--	32
33	--	--	--			0 VA							34
35	--	--	--					0 VA					36
37													38
39													40
41													42
43													44
45													46
47													48
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67													68
69													70
71													72
73													74
75													76
77													78
79													80
81													82
83													84
		Total Load:		6253 VA		5552 VA		4094 VA					
		Total Amps:		23 A		21 A		15 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
CON	180 VA	125.00%	225 VA		
LTG	13785 VA	125.00%	17231 VA	**Total Conn. Load:**	15899 VA
Lighting	560 VA	125.00%	700 VA	**Total Est. Demand:**	19530 VA
Other	1374 VA	100.00%	1374 VA	**Total Conn. Current:**	19 A
				Total Est. Demand Current:	23 A

Branch Panel: MPH

Location: PENTHOUSE 2 406
Supply From: DPH2
Mounting: Surface
Enclosure: Type 1

Volts: 480/277 Wye
Phases: 3
Wires: 4
Spaces: 84

MINIMUM A.I.C. Rating: 42,000
Mains Type: MLO
Mains Rating: 400 A

Notes:

CKT	Circuit Description	Trip	Poles	A		B		C		Poles	Trip	Circuit Description	CKT
1	NC EUH-3	35 A	1	7500 VA	444 VA					3	20 A	MTR - MAU-1	2
3	NC EUH-4	35 A	1			7500 VA	444 VA			--	--	--	4
5	MTR MZU - 1 RETURN	20 A	3					2106 VA	444 VA	--	--	--	6
7	--	--	--	2106 VA	2106 VA					3	20 A	MTR MZU - 1 SUPPLY 1	8
9	--	--	--			2106 VA	2106 VA			--	--	--	10
11	MTR MZU-1 SUPPLY 2	20 A	3					2106 VA	2106 VA	--	--	--	12
13	--	--	--	2106 VA	2106 VA					3	20 A	MTR PENTHOUSE 2 MZU-2 EXHAUST	14
15	--	--	--			2106 VA	2106 VA			--	--	--	16
17	MTR PENTHOUSE 2 MZU-2 SUPPLY 1	20 A	3					2106 VA	2106 VA	--	--	--	18
19	--	--	--	2106 VA	2106 VA					3	20 A	MTR PENTHOUSE 2 MZU-2 SUPPLY 2	20
21	--	--	--			2106 VA	2106 VA			--	--	--	22
23	MTR CU-1	70 A	3					11528 VA	2106 VA	--	--	--	24
25	--	--	--	11528 VA	13967 VA					3	80 A	MTR CU-2	26
27	--	--	--			11528 VA	13967 VA			--	--	--	28
29									13967 VA	--	--	--	30
31													32
33													34
35													36
37													38
39													40
41													42
		Total Load:		46077 VA		46077 VA		38577 VA					
		Total Amps:		171 A		171 A		139 A					

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
NC	15000 VA	100.00%	15000 VA		
MTR	115731 VA	100.00%	115731 VA	**Total Conn. Load:**	130731 VA
				Total Est. Demand:	130731 VA
				Total Conn. Current:	157 A
				Total Est. Demand Current:	157 A

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CONSTRUCTION DOCUMENTS
AUGUST 2024

MARK	DATE	DESCRIPTION
1	08/06/24	Addendum 001

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	AUGUST 2024
PROJECT NO:	K23-001
DRAWN BY:	Author
CHECKED BY:	Checker

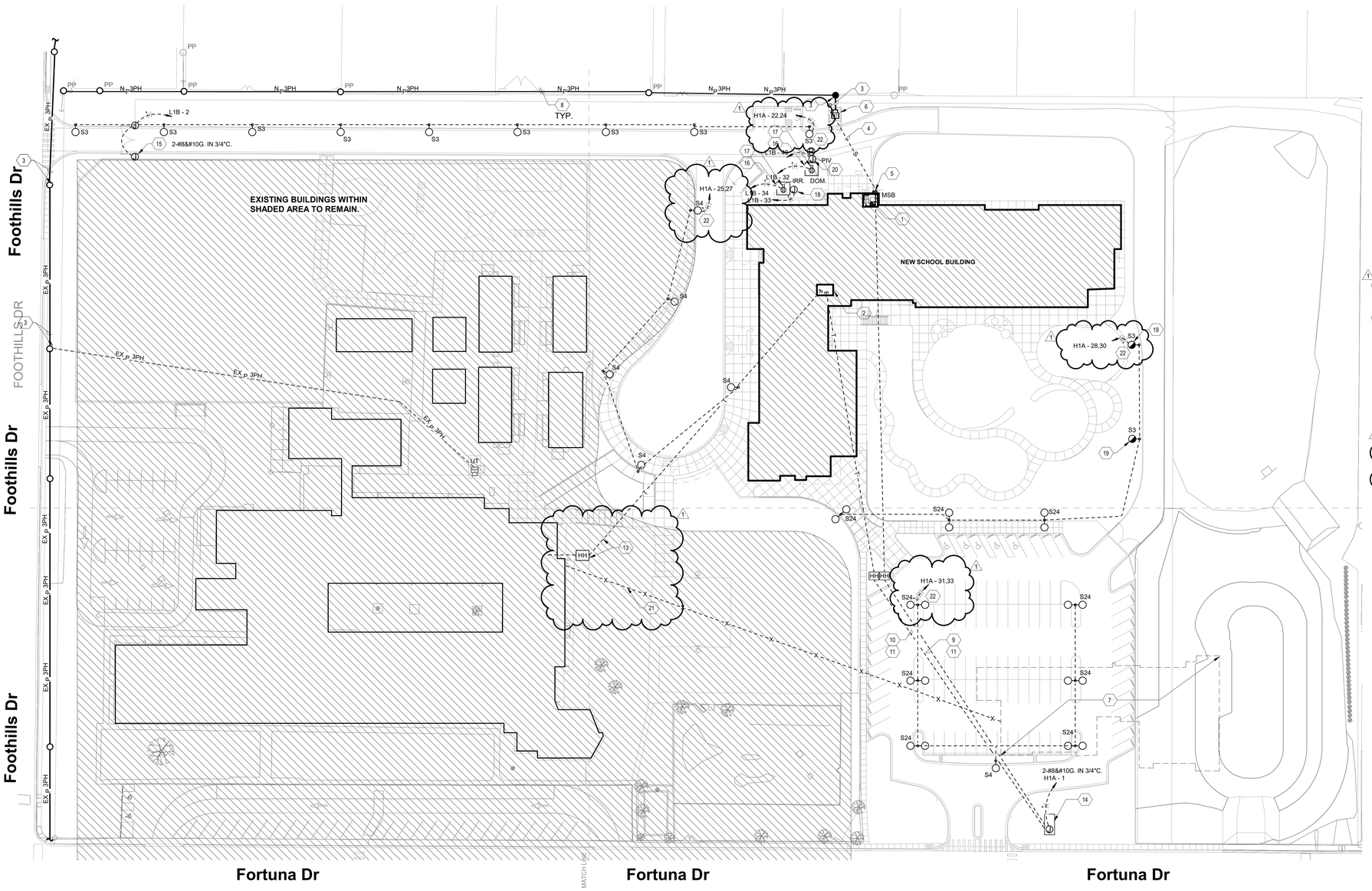
SHEET TITLE

PANEL SCHEDULES

E-703

Bridgers & Paxton Project No: 8819 8/6/2024 1:24:37 PM D:\Revit 2023\Projects\8819_MEP_ Farmington Preschool Academy_wstacy.rvt

Farmington Preschool Academy



A1 ELECTRICAL SITE PLAN
1" = 40'-0"

0' 20' 40' 80'

GENERAL NOTES

A. REFER TO SHEET SERIES "EP" FOR ELECTRICAL ROOM EQUIPMENT LAYOUTS AND EQUIPMENT SIZES.
B. REFER TO SHEET SERIES "C", "AS", "M", "T" AND "P" FOR OTHER UTILITIES WITHIN ROUTING PATH OF ELECTRICAL RACEWAYS. CONTRACTOR SHALL COORDINATE THE INSTALLATION OF ANY UTILITIES SHOWN ON THIS SHEET PRIOR TO COMMENCEMENT OF ANY WORK FOR BEST LOCATION OF THESE UTILITIES.
C. REFER TO SHEET E-601 FOR ELECTRICAL EQUIPMENT, CONDUIT SIZE AND ADDITIONAL INFORMATION ON ELECTRICAL DISTRIBUTION SYSTEM. REFER TO SHEET SERIES "T" FOR TELECOMMUNICATION ROOMS, EQUIPMENT LAYOUTS AND EQUIPMENT SIZES.
D. ALL EXTERIOR BUILDING LUMINAIRES AND POLE MOUNTED SITE LUMINAIRES WILL BE ROUTED THROUGH A TIME CLOCK LOCATED IN THE ELECTRICAL ROOM WHERE PANEL CIRCUITING THOSE LUMINAIRES IS LOCATED. THE EXTERIOR BUILDING LUMINAIRES AND SITE LUMINAIRES MUST BE CONTROLLED SEPARATELY. ALL SITE POLES TO BE #8's.
E. WHERE CONDUITS CROSS A DRIVEWAY, ROADWAY OR PARKING AREA, CONDUITS SHALL BE CONCRETE ENCASED.
F. REFER TO SHEET E-701 FOR LUMINAIRE SCHEDULE.
G. SHOULD CONTRACTOR AT ANY TIME NOTICE THAT THE ACTUAL FIELD CONDITIONS DO NOT CORRESPOND TO THE INFORMATION GIVEN ON THE DRAWINGS, THEN IT WILL BE THEIR RESPONSIBILITY TO NOTIFY THE ARCHITECT FOR CLARIFICATION, PRIOR TO COMMENCING ANY WORK.
H. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO COORDINATE WITH ALL TRADES FOR THE EXACT LOCATION OF EQUIPMENT THAT REQUIRE ELECTRICAL CONNECTIONS PRIOR TO COMMENCEMENT OF ANYWORK.

KEYNOTES

1. ELECTRICAL ROOM. REFER TO "EP" SHEET SERIES FOR ELECTRICAL EQUIPMENT LAYOUT.
2. MDF ROOM. REFER TO SHEET SERIES "TELECOM DESIGN SHEETS" FOR ELECTRICAL EQUIPMENT LAYOUT.
3. UTILITY TO PROVIDE NEW POWER POLE FOR UNDERGROUND DISTRIBUTION. UNDERGROUND PRIMARY DISTRIBUTION FROM POWER POLE PER UTILITY DIRECTION TO NEW UTILITY TRANSFORMER LOCATION. COORDINATE WITH UTILITY REPRESENTATIVE AND SERVICE GUIDE PRIOR TO COMMENCEMENT OF ANY WORK FOR CONTRACTOR WORK RESPONSIBILITIES.
4. NEW SECONDARY FEEDER FROM UTILITY TRANSFORMER TO BUILDING SERVICE DISCONNECT SWITCH. REFER TO SHEETS E-501 AND E-601 FOR ADDITIONAL INFORMATION. COORDINATE UG PATHWAY WITH PLUMBING PLAN P5101. MAINTAIN REQUIRED HORIZONTAL CLEARNCES.
5. ELECTRICAL SERVICE DISCONNECT FOR BUILDING. REFER TO SHEET EP101B AND E-601 FOR ADDITIONAL INFORMATION.
6. NEW UTILITY TRANSFORMER LOCATION. CONTRACTOR TO PROVIDE CONCRETE PAD PER UTILITY COMPANY SERVICE INSTALLATION GUIDE AND/ OR COORDINATION WITH UTILITY REPRESENTATIVE.
7. EXISTING BUILDING TO BE REMOVED ALONG WITH ALL ELECTRICAL AND FIRE ALARM SYSTEMS BACK TO SYSTEM EQUIPMENT SOURCE. BUILDING WILL BE REMOVED AT SUCH TIME IN CONSTRUCTION THAT IT ALLOWS FOR NEW SITE WORK. REMOVAL OF EXISTING ELECTRICAL SERVICE TO BE COORDINATED WITH FEUS. REFER TO SHEET SERIES "A" FOR ADDITIONAL INFORMATION.
8. UTILITY COMPANY WILL UPGRADE EXISTING SINGLE PHASE OVERHEAD DISTRIBUTION TO THREE PHASE.
9. PROVIDE 1" CONDUIT WITH PULLSTRING FOR MARQUEE SIGN POWER TO ELECTRICAL ROOM 233, PANEL 'H1A'.
10. PROVIDE 2" CONDUIT WITH PULLSTRING FOR MARQUEE SIGN DATA TO MDF ROOM 216.
11. INSTALLATION OF UNDERGROUND CONDUIT FROM HANDHOLES TO MARQUEE SIGN TO BE COMPLETED AFTER DEMOLITION OF EXISTING BUILDING IS COMPLETED. COORDINATE PHASING OF WORK WITH ARCHITECT.
12. NOT USED
13. EXTEND (1) 4" CONDUIT FROM EXISTING COUNTRY CLUB SCHOOL FIBER DEMARK POINT TO NEW SCHOOL MDF ROOM 216. STUB CONDUIT UP 6" INTO BOTTOM RIGHT CORNER OF ROOM. COORDINATE LOCATION OF FIBER DEMARK IN EXISTING COUNTRY CLUB SCHOOL IN FIELD. COORDINATE QUANTITY AND LOCATIONS OF ANY REQUIRED HANDHOLE OR PULLBOXES AS WELL AS PHASING OF ALL ASSOCIATED WORK AND CONDUIT ROUTING WITH SCHOOL DISTRICT IT REPRESENTATIVE, NCI, AND ARCHITECT.
14. APPROXIMATE LOCATION OF MARQUEE SIGN. COORDINATE EXACT LOCATION WITH ARCHITECT.
15. POWER FOR MOTORIZED GATE. COORDINATE EXACT LOCATION WITH ARCHITECT AND REQUIREMENTS WITH MANUFACTURERS SPECIFICATIONS. PROVIDE 2-#10 & # 10G. IN 1" CONDUIT.
16. BACKFLOW PREVENTER HOT BOX ENCLOSURE. COORDINATE REQUIREMENTS WITH CIVIL AND OWNER PRIOR TO ROUGH IN.
17. 120V RECEPTACLE FOR HEATED ENCLOSURE. REFER TO DETAIL "LI-501/A1" FOR TERMINATION DETAILS.
18. PEDESTAL MOUNTED IRRIGATION CONTROLLER. PROVIDE 3/4" RIGID PVC SWEEP ELL FOR 120V POWER. REFER TO DETAIL "LI-501/C1" FOR TERMINATION DETAILS.
19. UL924 EMERGENCY BATTERY PACK FOR EGRESS FIXTURES INDICATED. COORDINATE WITH VENDOR.
20. POST INDICATOR VALVE. COORDINATE FA REQUIREMENTS.
21. EXISTING FIBER LINE AND ASSOCIATED CONDUIT TO BE ABANDONED AFTER EXISTING PRESCHOOL DEMOLITION. COORDINATE FIBER AND CONDUIT REMOVAL WITH OWNER AND ARCHITECT. COORDINATE PHASING OF ALL ASSOCIATED WORK WITH ARCHITECT AND OWNER. REFER TO KEYNOTE '13' FOR ADDITIONAL INFORMATION.
22. ALL POLE BASED SITE LIGHTING TO BE (4)#8+#12 GND IN 1"C. U.O.N.

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CONSTRUCTION DOCUMENTS
AUGUST 2024

MARK	DATE	DESCRIPTION
1	08/06/24	Addendum 001

ISSUE:	CONSTRUCTION DOCUMENTS
DATE:	AUGUST 2024
PROJECT NO:	K23-001
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SHEET TITLE
ELECTRICAL SITE PLAN

ES101

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