WLC ARCHITECTS CLIENT FOCUSED. PASSION DRIVEN.

September 12, 2019

TO : All Bidders
FROM : Mark Graham
PROJECT: Cole Elementary School Modernization
1719900.41
SUBJECT: Addendum 2
DSA : 04-117697, File 36-55

The following changes, omissions, and/or additions to the Project Manual and/or Drawings shall apply to proposals made for and to the execution of the various parts of the work affected thereby, and all other conditions shall remain the same.

Careful note of the Addendum shall be taken by all parties of interest so that the proper allowances may be made in strict accordance with the Addendum, and that all trades shall be fully advised in the performance of the work which will be required of them.

Bidder shall acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

In case of conflict between Drawings, Project Manual, and this Addendum, this Addendum shall govern.

2. GENERAL

2 .1 Site work to be completed during a school break only. The rest of the work can be completed at any time during the contract.

PROJECT MANUAL

2 .2 SECTION 07 21 16 - BLANKET INSULATION

A. Add the attached Section 07 21 16 in its entirety.

2 .3 SECTION 09 68 13 - TILE CARPETING

A. Article 2.2: Add Paragraph G to read as follows:

1. G. Base product is "Mainboard" from all GLITCH ART COLLECTION from Mannington. Colors to be selected by Architect from product line.

B. Article 2.1: Revise Paragraph C to read as follows:

1. C. Mannington Mills, Inc., Style: GLITCH ART COLLECTION, Pattern: Mainboard, www.mannington.com.

2 .4 SECTION 12 24 00 - WINDOW SHADES CLUTCH XD OPERATED WINDOW SHADES

A. Add the attached section in its entirety.

2 .5 SECTION 12 24 13 - ROLLER SHADES

A. Delete this Section 12 24 13 in its entirety.

DRAWINGS

Architectural

2 .6 DRAWING A1.1 - DEMOLITION SITE PLAN

A. Add Reference Notes 0129, 0130, and 0131 per the attached Drawing A01.

2 .7 DRAWING A1.2 - NEW SITE PLAN

A. Detail 2 - Add Reference Note 0210 per the attached Drawing A02.

B. Detail 3 - Add Reference Notes 0132 and 1301 per the attached Drawing A03.

C. Detail 4A - Add Reference Note 1301 per the attached Drawing A04.

2 .8 DRAWING A2.1 - DEMO AND NEW FLOOR AND CEILING PLANS

A. Detail 1 - Add Reference Notes 0110 and 0136 per the attached Drawing A05.

B. Detail 2

1. Add dimensions for new concrete slab and add Reference Notes 0601, 0903 and 1302 per the attached Drawing A06.

2. Revised Reference Note 1014 to read as follows:

"(N) 86" ACTIVPANEL WITH MOUNTING BRACKET, REFER TO THE ATTACHED DRAWING A12 FOR BACKING."

3. Add New Elevation 14/A11 per the attached Drawing A11.

C. Detail 3

1. Add Reference Notes 0133 and 0134 per the attached Drawing A07.

2. Revised Reference Note 0122 to read as follows:

"(E) SURFACE MOUNTED SOAP DISPENSER TO BE REMOVED AND RETURNED TO THE OWNER, REMOVE DAMAGED TILE, AND PATCH WALL WITH NEW TILE TO MATCH EXISTING."

D. Detail 5 -Add Reference Notes 0133 and 0135 per the attached Drawing A08.

E. Detail 6

1. Relocate the lighting fixture location per the attached Drawing A09.

2. Revised Reference Note 2602 to read as follows:

"2602 - REINSTALL (E) LIGHTING SWITCH TO 48" TO THE TOP OF OUTLET."

F. Detail 7 - Add Reference Note 0138 per the attached Drawing A/A15.

G. Detail 8 - Add note:

1. “Paint ceiling grid, Color DE6375 Castlerock, Dunn Edwards.”

2. Add Reference Note 0702 and dimensions per the attached Drawing B/A15.

H. Details 11 and 12 - Revise window glass color, add tackboard color in Reference Note 0906, and add Reference Notes 0907 and 0908 per the attached Drawing A10.

I. Detail 13 - Add Reference Note 0908 and per the attached Drawing A11.

J. Detail 16 - Revise per the attached Drawing A13.

<u>Electrical</u>

2 .9 DRAWING E0.3 - PANEL AND LIGHTING FIXTURE SCHEDULES

A. Added new Circuit #14 for TV monitor on Panel E1B per the attached Drawing E01.

2 .10 DRAWING E2.1 - DEMO, LIGHTING, POWER AND SIGNAL AND FIRE ALARM PLANS

A. Detail 1 - Changed keynote number for existing projector to be removed per the attached Drawing E02.

B. Detail 3 - Added new power and data receptacle for TV monitor, removed existing projector, and added Keynotes 19 and 20 per the attached Drawing E03.

C. Revise the second "KEY NOTES" located near the middle of the drawing to "GENERAL NOTES".

D. Revised Keynote 5a to state:

"IN FLOOR RACEWAY SYSTEM FOR POWER AND LOW VOLTAGE SYSTEM SIMILAR OR EQUAL TO LEGRAND - WALKERDUCT. REFER TO DETAIL 6 ON DRAWING E3.1. POWER: #2 DUCT; SIGNAL: #4 DUCT"

E. Revised Keynote 5b to state

"JUNCTION BOX COMPATIBLE TO WALKER DUCT. JUNCTION BOX SHALL BE FLUSH WITH WALKER DUCT CELL. REFER TO DETAIL 6 ON DRAWING E3.1."

2 .11 DRAWING E3.1 - DETAILS

A. Detail 6- Revise the Detail Number from 15/A2.1 to 16/A2.1.

END OF ADDENDUM 2

Submitted by,

Mark Graham

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Architect, AIA
LEED™ GA
NOMA
Principal

LICENSED ARCHITECT
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REN. 3/31/21
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MG:CTW:gs/P41719900x2-add

Attachments: Section 07 21 16 - Blanket Insulation
Section 12 24 00 - Window Shades Clutch XD Operated Window Shades
Drawings A01, A02, A03, A04, A05, A06, A07, A08, A09, A10, A11, A12, A13, A14, A/A15, B/A15, E01, E02, E03

SECTION 07 21 16

BLANKET INSULATION

1. PART 1 GENERAL

1.1 SECTION INCLUDES

A. Batt insulation for filling crevices in roof.

1.2 REFERENCES

A. ASTM C665 - Mineral Fiber Blanket Thermal Insulation for Light Frame Construction and Manufactured Housing.

B. ASTM C1320 - Installation of Mineral Fiber Batt and Thermal Insulation for Light Frame Construction.

C. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

D. CBC - California Building Code, (CCR) California Code of Regulations, Title 24, Part 6.

E. Business and Professions Code.

1.3 PERFORMANCE REQUIREMENTS

A. Materials of this Section shall provide continuity of thermal and moisture barrier at building enclosure elements.

B. Materials of this Section shall provide continuity of sound control where indicated or scheduled.

1.4 REGULATORY REQUIREMENTS

A. Installation of insulation may only commence if insulation meets mandatory manufacturer certification to the California Energy Commission required by Title 24, Part 6, Section 110.8 of the CBC - California Building Code, (CCR) California Code of Regulations that insulation complies with Title 24, Part 12, Chapter 12-13, Article 3 of the California Quality Standards for Insulating Materials.

B. Insulation products shall comply with the requirements of the California Department of Public Health's "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers."

C. Insulation materials to be certified in compliance with Business and Professions Code Section 19165.

D. Insulation manufacturer to be licensed by the California Department of Consumer Affairs, Bureau of Home Furnishing and Thermal Insulation according to Business and Professions Code, Section 19059.7.

1.5 SUBMITTALS

A. Submit manufacturer's certificates under provisions of Section 01 33 00 that materials meet or exceed specified regulatory requirements.

2. PART 2 PRODUCTS

2.1 MANUFACTURERS - INSULATION MATERIALS

A. Certain Teed Corp., www.certainteed.com.

B. Johns Manville Corp., www.jm.com.

C. Knauf Insulation, www.knaufinsulation.us.

D. Owens-Corning Fiberglass Corporation, www.owenscorning.com.

E. Substitutions: Under provisions of Section 01 25 13.

2.2 MATERIALS

A. Thermal Batt Insulation, Concealed Wall and Roof: ASTM C665 Preformed fiber glass batt, Type II Kraft Faced, Class C, Category 1 "SmartBatt", with stapling flange for attachment to applicable construction. Equivalent continuous roll membrane facing of "MemBrain" Continuous Air Barrier and Smart Vapor Retarder may be utilized in lieu of individual glass fiber batts. Provide R30 at roofs.

B. Insulation to be formaldehyde-free.

C. Nails or Staples: Steel wire; electroplated; type and size to suit application.

D. Tape: Bright aluminum self-adhering type, mesh reinforced, 2 inch wide.

E. Support Wire: 16 gauge steel wire.

F. Support Rods: 13 gauge, pointed spring steel length as required for stud spacing.

3. PART 3 EXECUTION

3.1 EXAMINATION

A. Verify that substrate, adjacent materials, and insulation are dry and ready to receive insulation.

B. Verify that enclosed spaces are ventilated to dissipate humidity.

C. Maximum relative humidity level of less than 50 percent shall be maintained during installation of insulation.

3.2 INSTALLATION

A. Install insulation in accordance with insulation manufacturer's instructions and ASTM C1320.

B. Install batt insulation in exterior roof spaces without gaps or voids.

C. Fill any small spaces around door frames, window frames, skylight frames, and other wall or roof openings with insulation.

D. Fill hollow space of steel door frame, steel window frame and other wall or roof frame with insulation.

E. Fill hollow space created by wall or roof framed headers and jamb spaces with insulation.

F. Install batt sound insulation in interior walls full height of wall.

G. Install batt sound insulation above ceilings in areas as indicated. Extend a minimum of 4'-0" beyond face of vertical dividing partitions of space to be insulated where partition terminates at ceiling.

H. Install batt sound insulation at underside of floor decking between adjacent floor levels.

I. Trim insulation neatly to fit spaces.

J. Fit insulation tight in spaces and tight to exterior side of mechanical and electrical services within the plane of insulation. Leave no gaps or voids.

K. Install with factory applied membrane facing warm side of building spaces.

L. Lap ends and side flanges of vapor barrier membrane over face of framing members.

M. Extend vapor barrier on to any adjacent construction and tape seal edge of vapor barrier.

N. Seal butt ends, lapped flanges, and tears or cuts in membrane with tape or another layer of membrane.

O. Seal joints in vapor barrier caused by pipes, conduits, electrical boxes, and similar items penetrating vapor barrier.

P. Face staple flange over flange of adjacent blanket to wood studs at maximum 6 inches oc.

Q. Friction fit sound insulation between studs and fill as required to completely fill space between the wall finishes.

R. Where wall finish does not occur, use support rods spaced not-to-exceed 16 inches oc vertically at wood studs.

S. Retain unsupported roof insulation to metal or concrete substrate with spindle fasteners at 24 inches on center.

END OF SECTION

SECTION 12 24 00

WINDOW SHADES CLUTCH XD OPERATED WINDOW SHADES

PART 1 GENERAL

1.1 SECTION INCLUDES

A. Manually operated, roll-up fabric interior window shades including mounting and operating hardware.

1.2 RELATED SECTIONS

A. Section 09 51 23 - Acoustical Tile Ceilings.

1.3 REFERENCES

A. NFPA 701-99 - Fire Tests for Flame-Resistant Textiles and Films.

B. GREENGUARD Environmental Institute Gold.

C. US Green Building Council.

1.4 SUBMITTALS

A. Submit under provisions of Section 01 33 00.

B. Product Data: Manufacturer's data sheets on each product specified, including:
1. Preparation instructions and recommendations.
2. Installation and maintenance instructions.
3. Styles, material descriptions, dimensions of individual components, profiles, features, finishes and operating instructions.
4. Storage and handling requirements and recommendations.
5. Mounting details and installation methods.

C. Shop Drawings: Plans, elevations, sections, product details, installation details, operational clearances, and relationship to adjacent work.

D. Window Treatment Schedule: For all roller shades. Use same room designations as indicated on the Drawings, field verified window dimensions, quantities, type of shade, controls, fabric, and color, and include opening sizes and key to typical mounting details.

E. Selection Samples: For each finish product specified, two complete sets of shade cloth options and aluminum finish color samples representing manufacturer's full range of available colors and patterns.

F. Verification Samples: For each finish product specified, two complete sets of shade components, unassembled, demonstrating compliance with specified requirements. Shade fabric sample and aluminum finish sample as selected, representing actual product, color, and patterns. Mark face of material to indicate interior faces.

G. Maintenance Data: Methods for maintaining roller shades, precautions regarding cleaning materials and methods, instructions for operating hardware.

H. Manufacturer's Certificates: Certify products meet or exceed specified requirements.

1.5 QUALITY ASSURANCE

A. Manufacturer Qualifications: Obtain roller shades through one source from a single manufacturer with a minimum of twenty years experience in manufacturing products comparable to those specified in this section.

B. NFPA Flame-Test: Passes NFPA 701. Materials tested shall be identical to products proposed for use.

C. Mock-Up: Provide a mock-up of one of each type roller shade assembly specified for evaluation of mounting, appearance and accessories.
1. Locate mock-up in window(s) designated by Architect.
2. Do not proceed with remaining work until mock-up is accepted by Architect.

1.6 DELIVERY, STORAGE, AND HANDLING

A. Do not deliver window shades until building is enclosed and construction within spaces where shades will be installed is substantially complete.

B. Deliver products in manufacturer's original, unopened, undamaged containers with labels intact.

C. Label containers and shades according to Window Shade Schedule.

D. Store products in manufacturer's unopened packaging until ready for installation.

1.7 SEQUENCING

A. Ensure that locating templates and other information required for installation of products of this section are furnished to affected trades in time to prevent interruption of construction progress.

B. Ensure that products of this section are supplied to affected trades in time to prevent interruption of construction progress.

1.8 PROJECT CONDITIONS

A. Install roller shades after finish work and ambient temperature, humidity and ventilation conditions are maintained at levels recommended for project upon completion.

1.9 WARRANTY

A. Hardware and Shade Fabric: Draper's standard twenty-five year limited warranty.

1.10 MANUFACTURERS

A. Acceptable Manufacturer: Draper, Inc., which is located at: 411 S. Pearl P. O. Box 425; Spiceland, IN 47385-0425. ASD. Toll Free Tel: 800-238-7999; Tel: 765-987-7999; Fax: 866-637-5611; Web:www.draperinc.com.

B. Substitutions: As equal.

C. Requests for substitutions will be considered in accordance with provisions of Section 01 25 13.

1.11 MANUALLY OPERATED WINDOW SHADES

A. Manually Operated Window Shades with Independent Control: Manually operated, vertical roll-up, fabric window shade with components necessary for complete installation; Manual

FlexShade XD as manufactured by Draper, Inc.

1. Operation: Bead chain and clutch operating mechanism allowing shade to stop when chain is released. Designed never to need adjustment or lubrication. Provide limit stops to prevent shade from being raised or lowered too far.
    a. Clutch mechanism: Fabricated from POM thermoplastic with welded 0.354 inch (9 mm) primary steel post with rotational bearing, overrunning design, and positive mechanical engagement of drive mechanism to tube. White or Black color as selected by Architect. Center bead chain placement for right or left hand operation and accommodates side channel with no adjustment of chain location.
    b. Bead chain loop: Stainless steel bead chain.
    c. Bead chain loop: Polyester bead chain, Ivory, Grey, White, Bronze or Black color as selected by Architect.
    d. Bead Chain Hold Down: P-Clip.
    e. Bead Chain Hold Down: Spring-Loaded Tensioner.
2. Rollers: Extruded aluminum roller tube of appropriate diameter to support shade fabric with minimal deflection.
    a. Minimum Roller Tube Diameter: 1.56 inches.
    b. Fabric Connection to Roller Tube: Spline fabric/roller attachment system to allow shade fabric to be removed from roller without having to remove roller from brackets.
    c. Fabric Length: 6 inches greater than window height minimum.
    d. Bottom Slat: 13/16 inch aluminum dowel, encased in bottom hem with heat sealed ends.
    e. Orientation: Regular from back of roller.
    f. Orientation: Reverse from front of roller.
3. Bottom Slat
    a. Closed pocket elliptical slat: 1" aluminum elliptical slat inside of a 1 5/8" pocket with heat sealed ends
    b. Open pocket elliptical slat: 1" aluminum elliptical slat with plastic ends inside of a 1 5/8" pocket.
    c. Flat exposed hem bar: Small: 7/8" x 5/16" and Large 1½" x 5/16" aluminum rectangular hem bar with plastic end caps. Powder coated in black, bronze, ivory, white or clear anodized.
    d. Round exposed hem bar: Small 5/8" and Large 13/16" aluminum with plastic end caps. Powder coated in black, bronze, ivory, white or clear anodized.
4. Mounting:
    a. Endcaps only.
    b. Endcaps and fascia.
    c. Endcaps and headbox.
    d. Headbox.
    e. Ceiling pocket.
    f. Dual roller endcaps only.
    g. Dual roller fascia.
    h. Dual roller horizontal fascia.
    i. Dual roller with pocket headbox.
5. Endcaps: Stamped steel with universal design suitable for mounting to ceiling, wall, and jamb. Provide size compatible with roller size.
    a. Endcap covers: To match fascia or headbox color.
    b. Mounted to ceiling.
    c. Mounted to wall.
    d. Mounted to jamb.
6. Fascia: L shaped aluminum extrusion to conceal shade roller and hardware.
    a. Attachment: Snaps onto endcaps without requiring exposed fasteners of any kind. Fascia can be mounted continuously across two or more shade bands. No notching is required.

b. Shape: Square Fascia Panel.
c. Shape: Dual Roller Fascia Panel.
d. Shape: Dual Roller Horizontal Fascia Panel.
e. Finish: Clear anodized.
f. Finish: Black powder coat.
g. Finish: White powder coat.
h. Finish: Ivory powder coat.
i. Finish: Bronze powder coat.
j. Finish: Custom powder coat as selected by the Architect.

7. Headbox Ceiling/Wall style: Aluminum fabrication with removable closure, endcaps, and back and top cover piece:
   a. Finish: Clear anodized.
   b. Finish: Black powder coat.
   c. Finish: White powder coat.
   d. Finish: Ivory powder coat.
   e. Finish: Bronze powder coat.
   f. Finish: Custom powder coat as selected by the Architect.
8. Light Gap Reduction Channels.
   a. L Angle - 3/4 inch by 1 inch.
   b. L Angle -1 inch by 2-3/4 inches.
   c. U Channel -1 inch by 2-1/2 inches.
   d. H Channel - 1 inch by 5 inches.

1.12 FABRIC

A. Light-Filtering Fabrics
1. SheerWeave Series SW2703: Duplex basketweave fabric-light exterior color combined with dark interior color for thermal comfort and view-through. GREENGUARD Children & Schools, and Gold certified as a low emitting fabric. Manufacturer to supply GREENGUARD Children & Schools, and Gold certificate. Fire rating: NFPA 701. SW2703-3 percent open.

B. Color and pattern: SW2703-P28 3% Oyster/Charcocal.

PART 2 EXECUTION

2.1 EXAMINATION

A. Do not begin installation until substrates have been properly prepared.

B. If substrate preparation is the responsibility of another installer, notify Architect of unsatisfactory preparation before proceeding.

2.2 PREPARATION

A. Coordinate requirements for blocking and structural supports to ensure adequate means for installation of window shades.

B. Coordinate requirements for blocking, construction of shade pockets, and structural supports to ensure adequate means for installation of window shades.

C. Coordinate installation of recessed shade pockets with construction of suspended acoustical panel ceilings specified in Section 09 51 23.

2.3 INSTALLATION

A. Install in accordance with manufacturer's instructions.

B. Install roller shades level, plumb, square, and true. Allow proper clearances for window operation hardware.

C. Shade pockets:
1. Install shade pockets prior to installation of suspended ceiling system. Attach to supporting structure with screws through top of pocket at 24 inches (610 mm) minimum centers.
2. Install shade pockets in conjunction with installation of suspended ceiling system. Attach to supporting structure with screws through top of pocket at 24 inches (610 mm) minimum centers.
3. Install corner pieces securely and in alignment with pockets.
4. Install pocket ends securely and in alignment with pockets.
5. After interior construction is essentially complete, install shade and operating mechanism in pocket.

D. Install the following items to conceal roller and operating mechanism. Do not use exposed fasteners.
1. Fascias.
2. Closure panels.
3. Endcaps.

E. Install headbox, side channels, and sill channel with sealant specified in Section 07 92 00 - Joint Sealants.

F. Position shades level, plumb, and at proper height relative to adjacent construction. Secure with fasteners recommended by manufacturer.

2.4 TESTING AND DEMONSTRATION

A. Test window shades to verify that interface to other building systems and other operating components are functional. Correct deficiencies.

B. Test window shades to verify that operating mechanism, fabric retainer, and other operating components are functional. Correct deficiencies.
1. Chain and clutch.

C. During daylight hours, lower shades and turn off interior lights. Verify that there are no light leaks at perimeter or within shade assembly. Correct deficiencies.

D. Demonstrate operation of shades to Owner's designated representatives.

2.5 PROTECTION

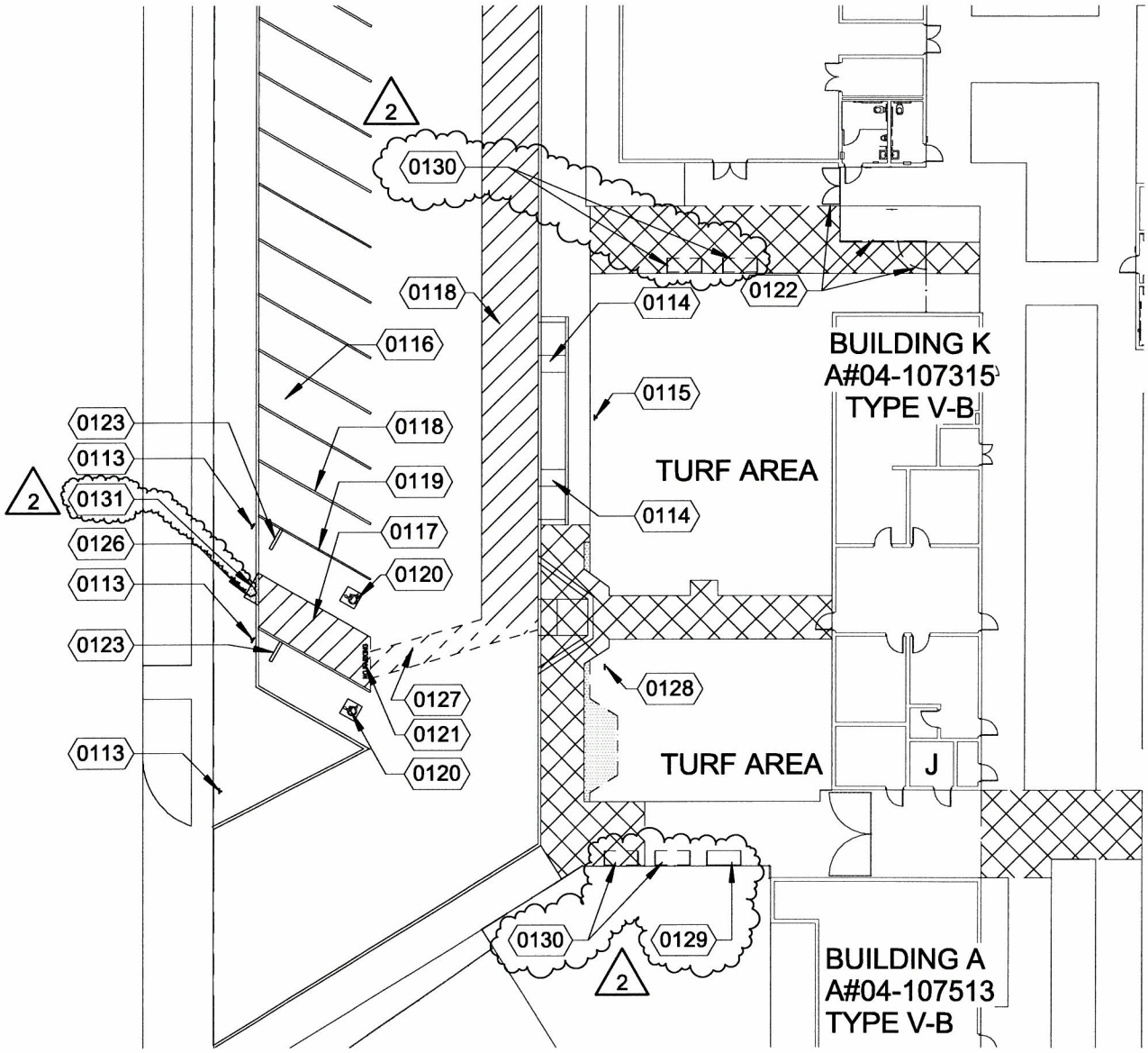
A. Protect installed products until completion of project.

B. Touch-up, repair or replace damaged products before Substantial Completion.

2.6 SCHEDULES

A. Refer to Drawings for shade types and locations.

END OF SECTION



2

KEYNOTE	DESCRIPTION
0129	(E) 6'-0" SURFACE MOUNTED BENCH TO REMAIN AND PROTECT IN PLACE
0130	REMOVE (E) 6'-0" SURFACE MOUNTED BENCH FOR REINSTALLATION
0131	REMOVE (E) SPRINKLER HEAD FOR RELOCATION

LICENSED ARCHITECT
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ARCHITECT

APPL. 04-117697

REF. DRAWING NO: A1.1

ARCHITECTS WLC

8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

COLE ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT

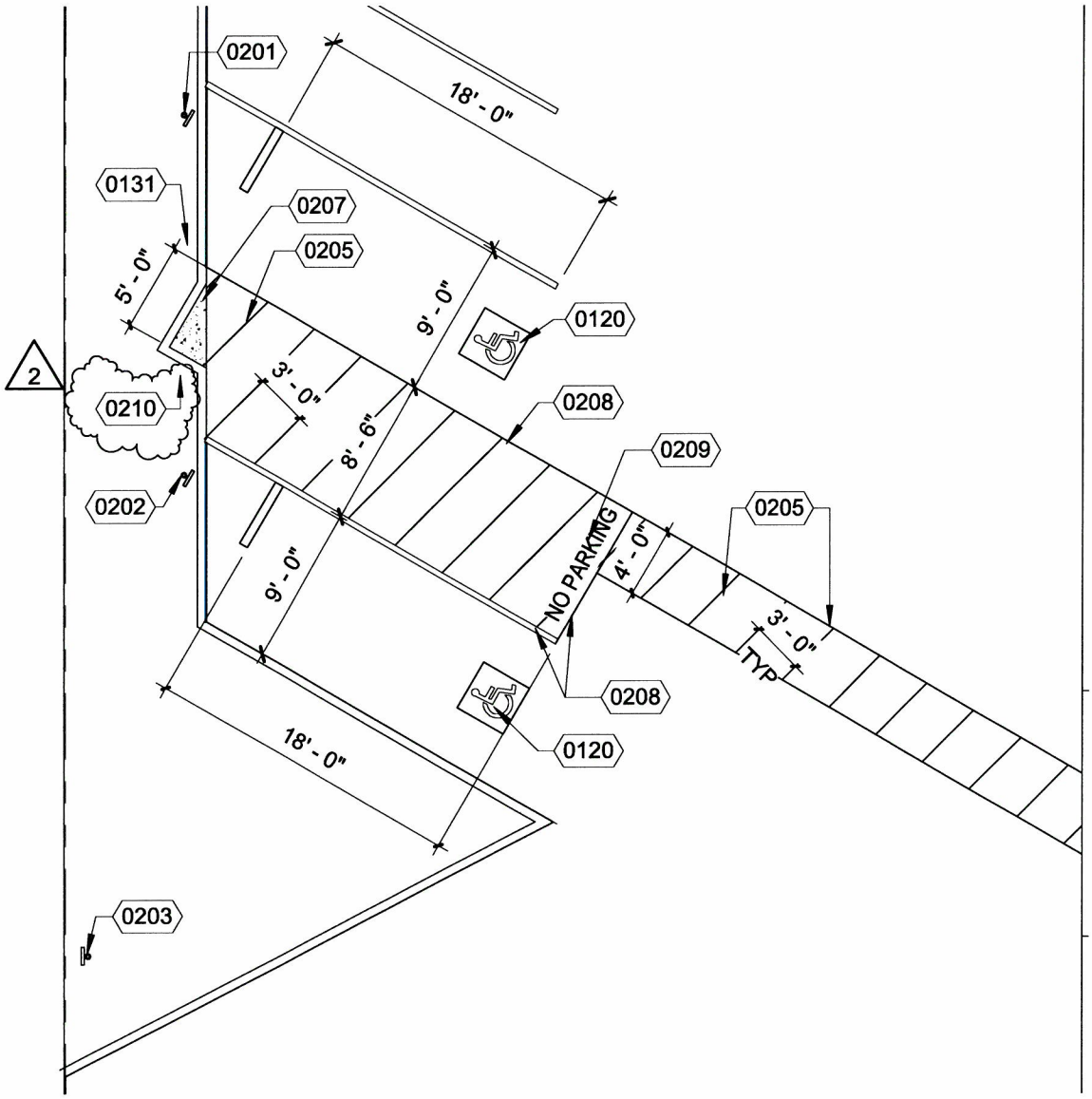
1331 N. COLE AVE,
HIGHLAND, CA 92346

DEMOLITION SITE PLAN

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1" = 30'-0"
JOB NO:	1719900

ADD-02

A01



KEYNOTE	DESCRIPTION
0210	REINSTALL (E) SPRINKLER HEAD

2

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REF. DRAWING NO: 2/ A1.2

WLC ARCHITECTS

8163 ROCHESTER AVE.
SUITE 100
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CALIFORNIA 91730

COLE ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT

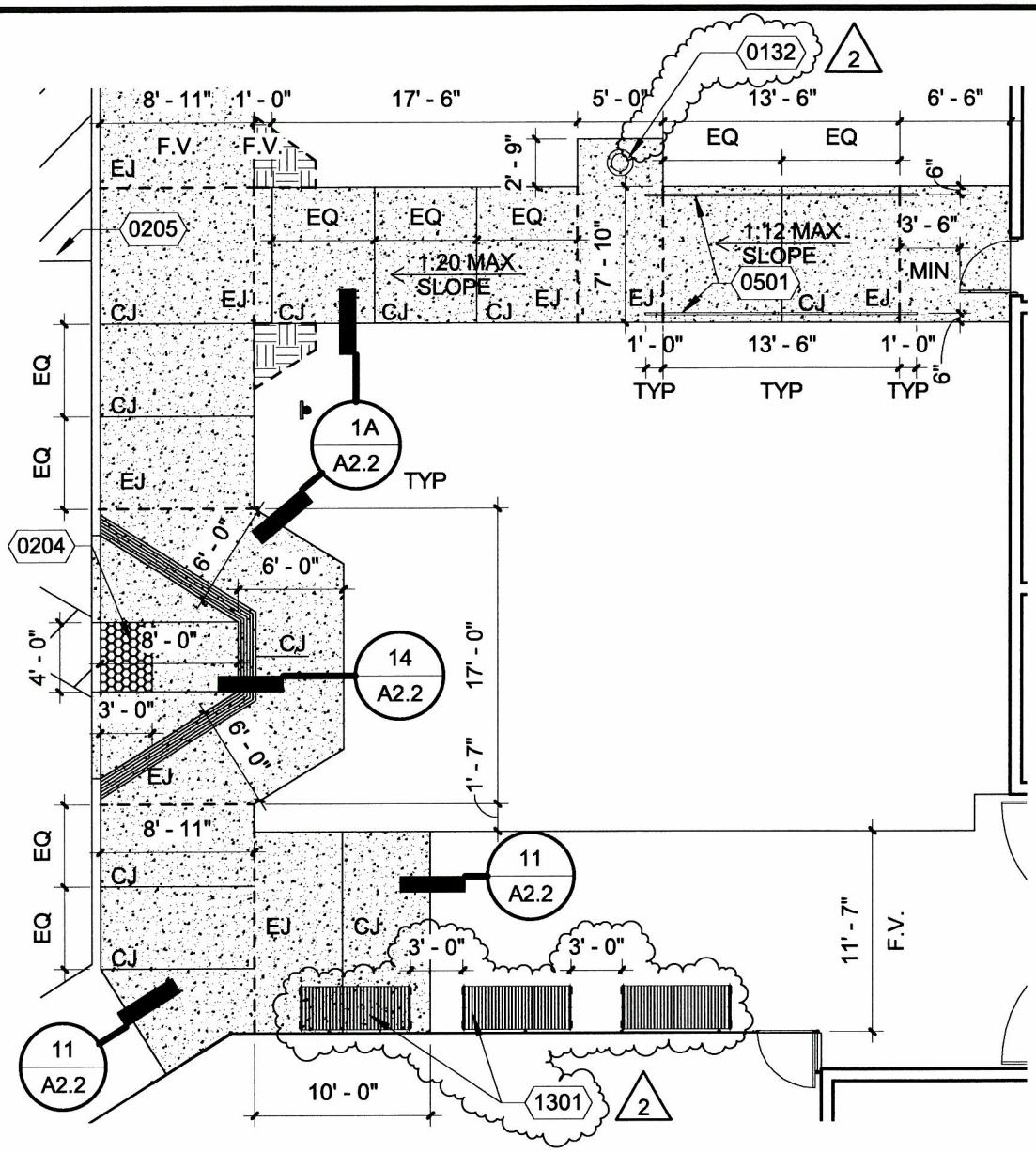
1331 N. COLE AVE,
HIGHLAND, CA 92346

ENLARGED PLAN - ADA STALLS

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1" = 10'-0"
JOB NO:	1719900

ADD-02

A02



KEYNOTE	DESCRIPTION
0132	(E) FLAG POLE TO REMAIN AND PROTECT IN PLACE
0204	(N) TRUNCATED DOMES, REF TO DETAIL 10/A2.2
0205	(N) WHITE STRIPING
0501	(N) HANDRAILS, REF TO DETAIL 13/A2.2
1301	REINSTALL (E) 6'-0" SURFACE MOUNTED BENCH WITH HILTI KB III WEDGE ANCHOR WITH 2-1/2" MIN EMBEDMENT (ICC/ES NO. 1385) ONE AT EA. LEG

2

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APPL. 04-117697

REF. DRAWING NO: 3/ A1.2

WLC ARCHITECTS

8163 ROCHESTER AVE.
SUITE 100
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COLE ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT

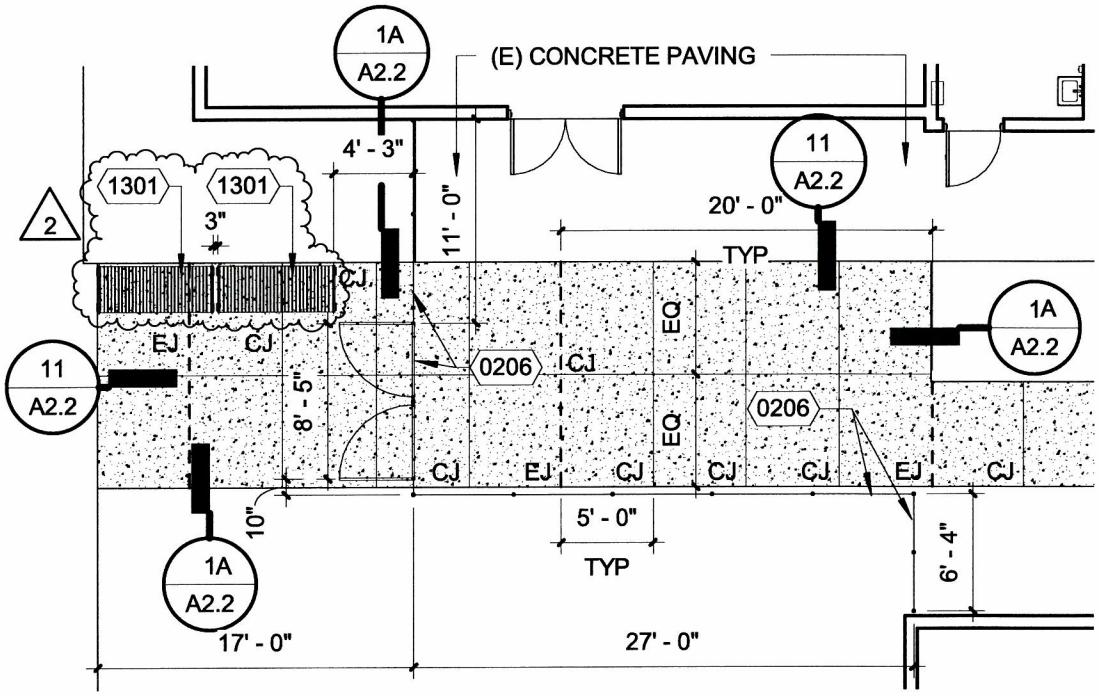
1331 N. COLE AVE,
HIGHLAND, CA 92346

ENLARGED PLAN - CURB RAMP

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1" = 10'-0"
JOB NO:	1719900

ADD-02

A03



KEYNOTE	DESCRIPTION
0206	(N) 6' HIGH CHAIN LINK FENCE AND GATE, REF TO DETAIL 5/A2.2
1301	REINSTALL (E) 6'-0" SURFACE MOUNTED BENCH WITH HILTI KB III WEDGE ANCHOR WITH 2-1/2" MIN EMBEDMENT (ICC/ES NO. 1385) ONE AT EA. LEG

2

LICENSED ARCHITECT
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STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697
REF. DRAWING NO: 4A/A1.2

WLC ARCHITECTS
8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

COLE ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT

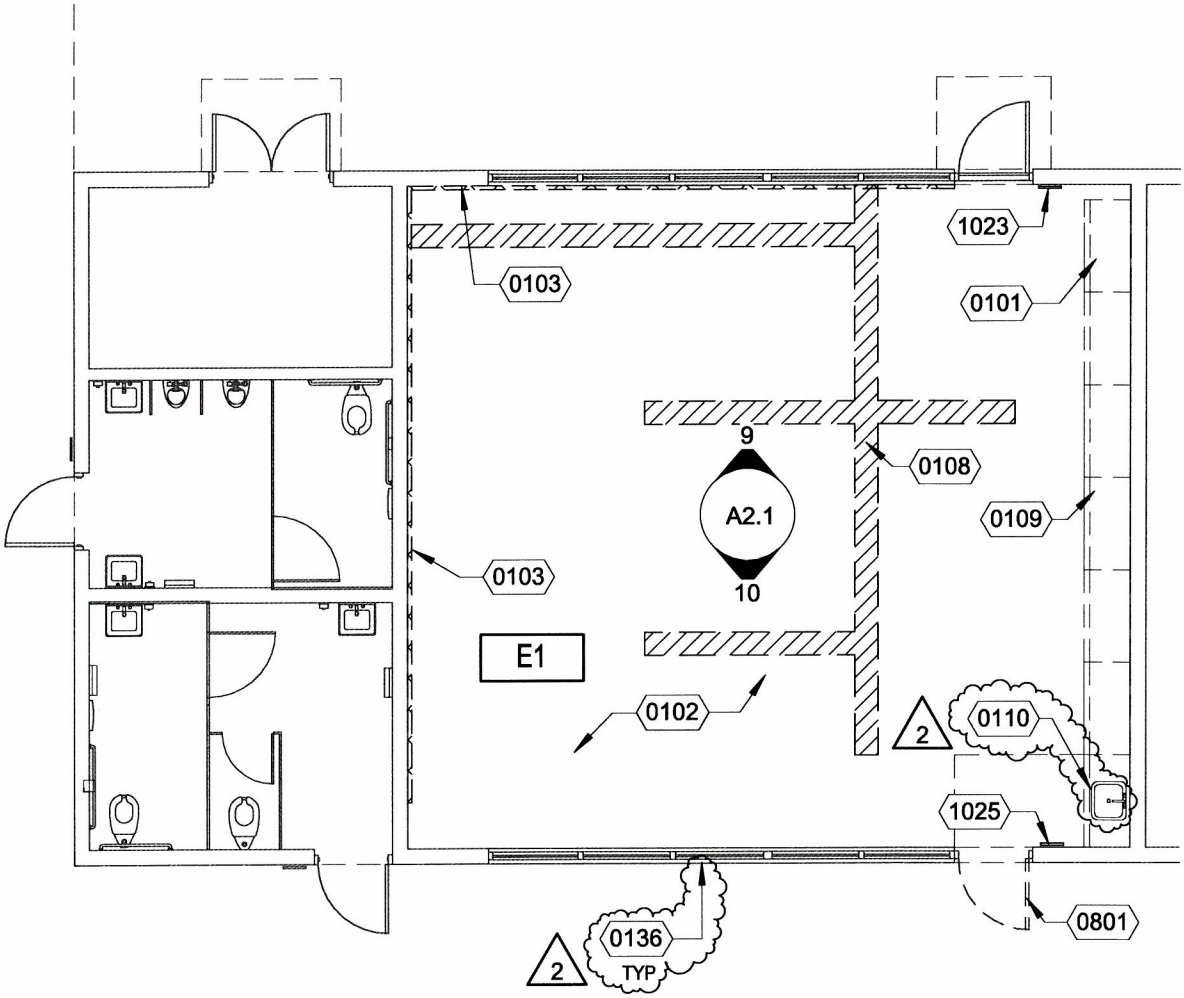
1331 N. COLE AVE,
HIGHLAND, CA 92346

ENLARGED PLAN - FENCES

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1" = 10'-0"
JOB NO:	1719900

ADD-02

A04



KEYNOTE	DESCRIPTION
2	
0110	REMOVE (E) CASEWORK WITH SINK AND EXPOSED PIPING, CAP ALL PIPES ON THE WALL OR FLOOR
0136	REMOVE (E) WINDOW MTL SCREEN

LICENSED ARCHITECT
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ARCHITECT

APPL. 04-117697
REF. DRAWING NO: 1/ A2.1

WLC ARCHITECTS
8163 ROCHESTER AVE.
SUITE 100
RANCHO CUCAMONGA
CALIFORNIA 91730

COLE ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT

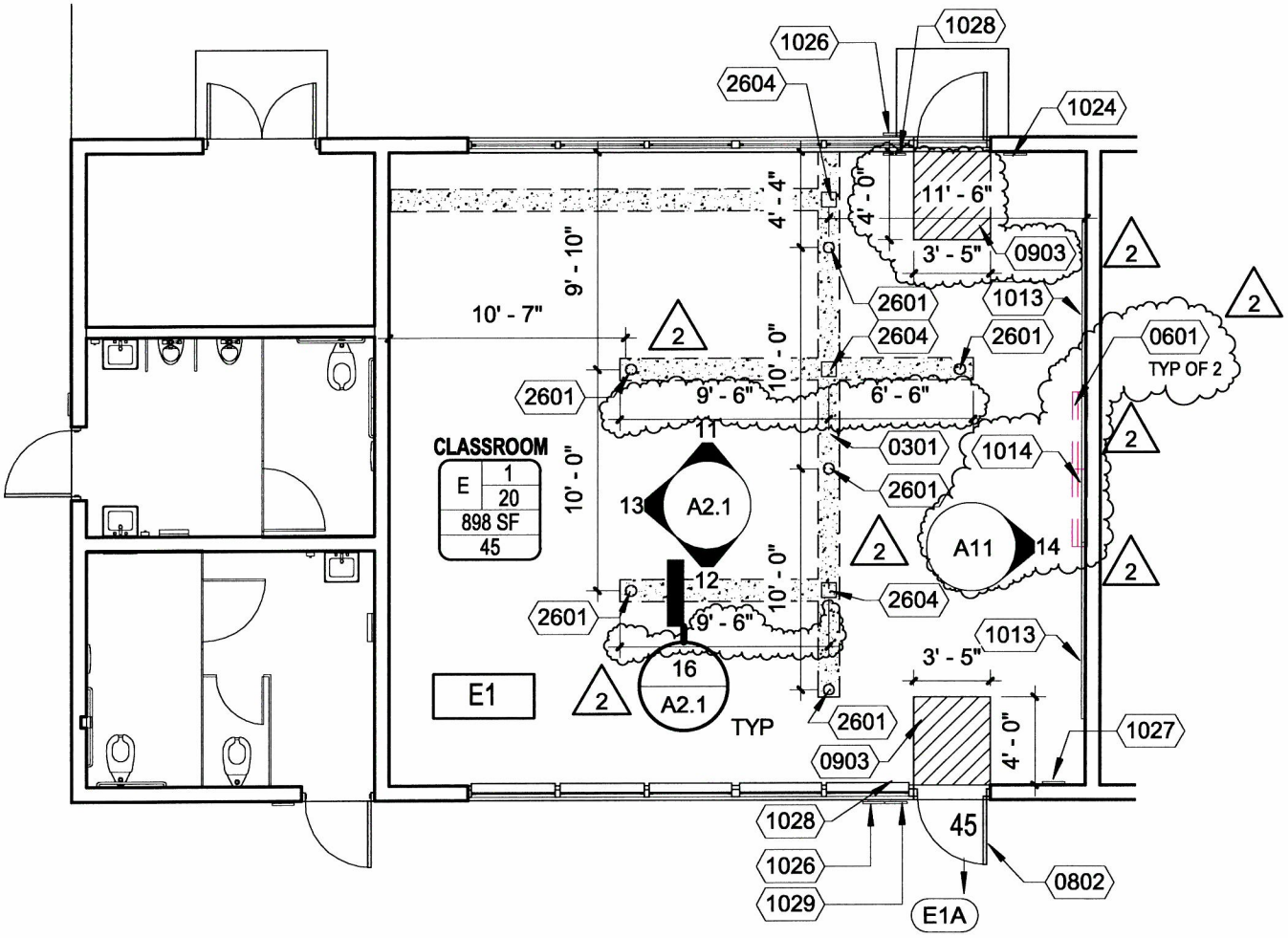
1331 N. COLE AVE,
HIGHLAND, CA 92346

BUILDING E ENLARGED DEMO FLOOR PLAN

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1/8" = 1'-0"
JOB NO:	1719900

ADD-02

A05



KEYNOTE	DESCRIPTION
2 0301	(N) CONCRETE SLAB, REF TO DETAIL 16/A2.1
0601	(N) LAMINATE SHELVES, REF TO DRAWING A14
0802	(N) DOORWITH HARDWARE, REF TO DOOR SCHEDULE AND SPEC
0903	(N) WALK OFF MAT TANDUS CENTIVA - GEO TILE #00979
2 1013	(N) 8'W X 4'H MARKERBOARD, REF TO SPEC, 4" MAX PROJECTION
1014	(N) 86" ACTIVPANEL WITH MOUNTING BRACKET, REFER TO ATTACHED DRAWING A12 FOR BACKING
1024	REINSTALL (E) NON-ACCESSIBLE SIGN AT THE SAME LOCATION
1026	(N) ROOM ID SIGN, REF TO DETAIL 18/A2.2
1027	(N) ASSISTIVE LISTENING SIGN, REF TO DETAIL 19/A2.2
1028	(N) EXIT SIGN, REF TO DETAIL 22/A2.2
1029	(N) ACCESSIBLE ENTRY SIGN, REF TO DETAIL 23/A2.2

LICENSED ARCHITECT
Mark Graham
MARK GRAHAM
C-26046
03-31-21
STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697

REF. DRAWING NO: 2/ A2.1

ARCHITECTS WLC

8163 ROCHESTER AVE.
SUITE 100
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CALIFORNIA 91730

COLE ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT

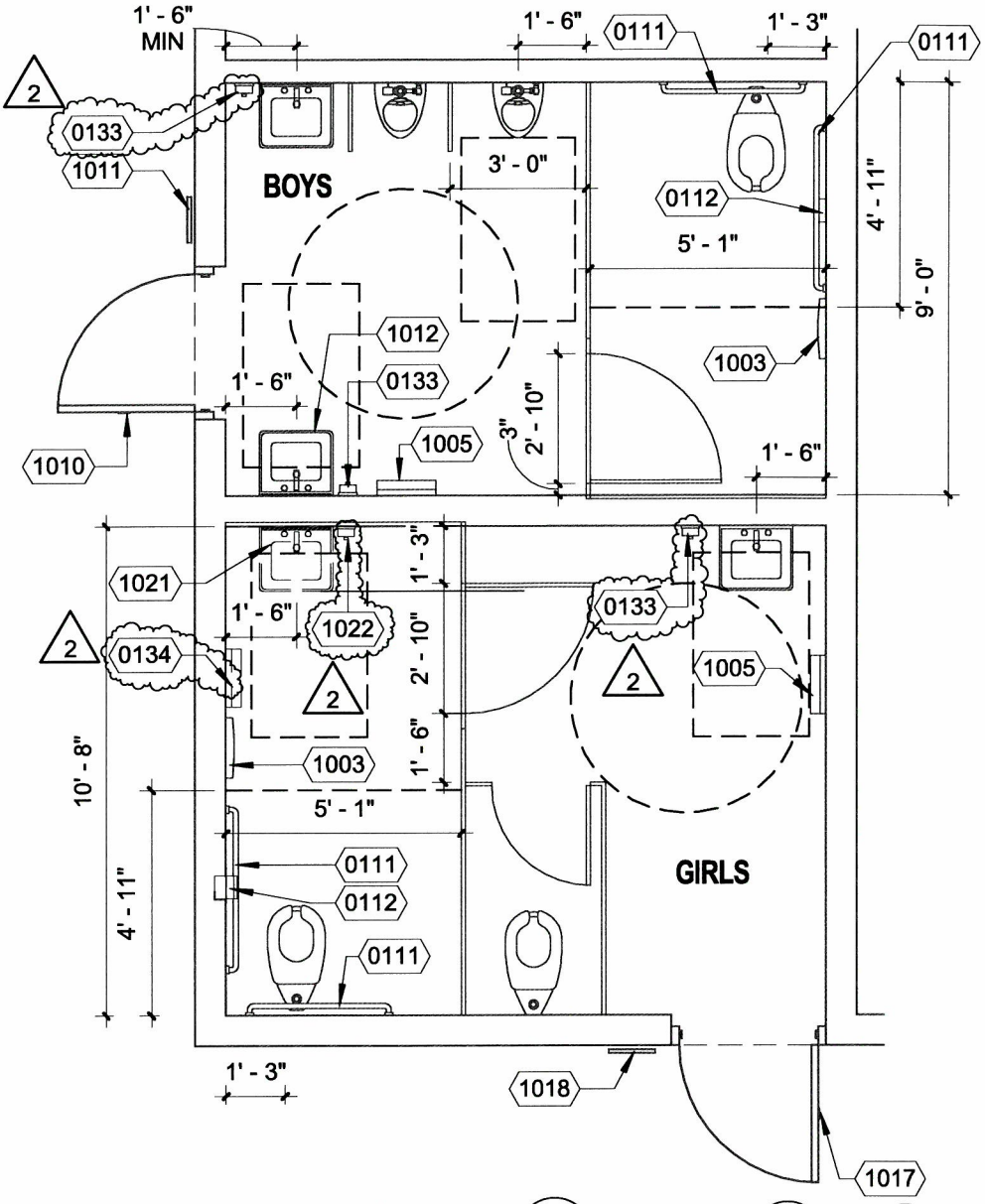
1331 N. COLE AVE,
HIGHLAND, CA 92346

BUILDING E ENLARGED NEW FLOOR PLAN

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1/8" = 1'-0"
JOB NO:	1719900

ADD-02

A06



KEYNOTE	DESCRIPTION
2	
0133	(E) SURFACE MOUNTED SOAP DISPENSER TO REMAIN AND PROTECT IN PLACE
0134	REMOVE (E) RECESSED HAND DRYER AND RETURN TO OWNER, REMOVE DAMAGED TILE AND PATCH WALL WITH NEW TILE TO MATCH EXISTING
1022	(E) SURFACE MOUNTED SOAP DISPENSER TO BE REMOVED AND RETURNED TO THE OWNER, REMOVE DAMAGED TILE AND PATCH WALL WITH NEW TILE TO MATCH EXISTING

LICENSED ARCHITECT
MARK GRAHAM
C-26046
03-31-21
STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697

REF. DRAWING NO: 3/ A2.1

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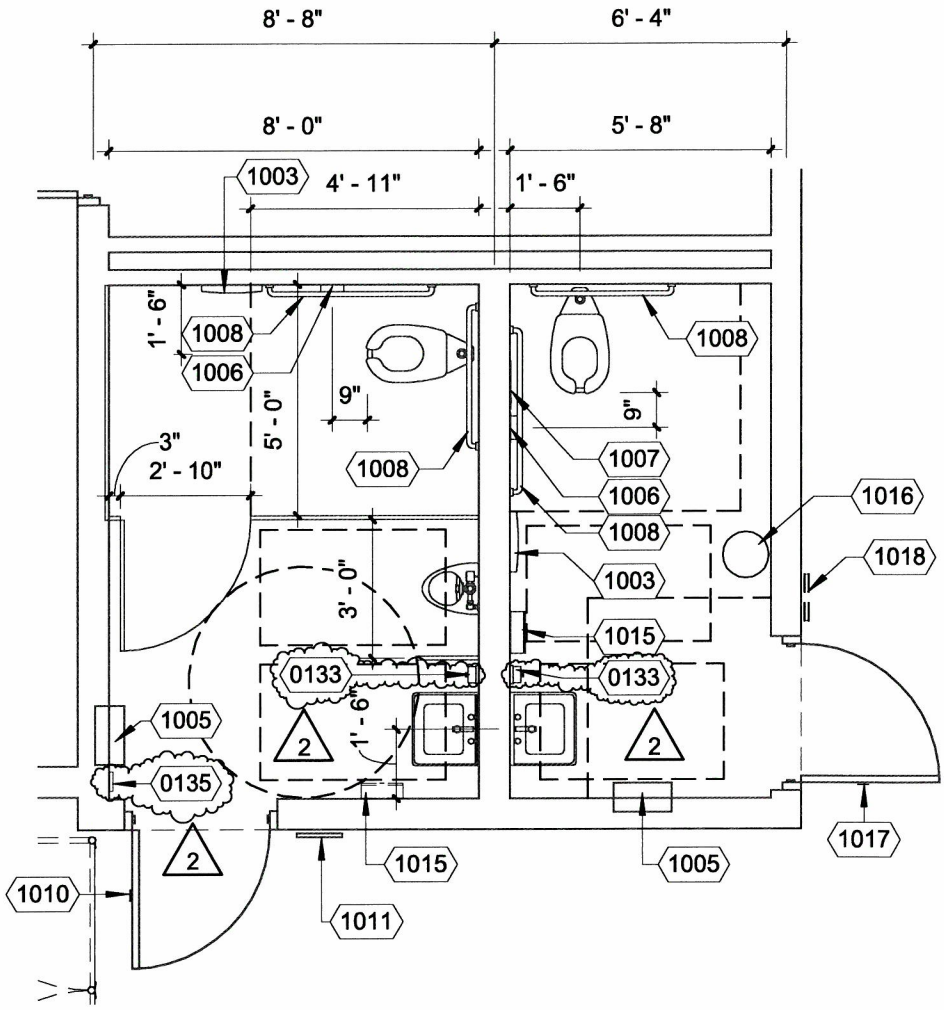
(E) BOYS/ GIRLS TOILET FLOOR PLAN

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1/4" = 1'-0"
JOB NO:	1719900

ADD-02

A07



KEYNOTE	DESCRIPTION
0133	(E) SURFACE MOUNTED SOAP DISPENSER TO REMAIN AND PROTECT IN PLACE
0135	REMOVE (E) LIGHTING SWITCH FOR RELOCATION, COVER THE EXISTING OUTLET BOX WITH METAL COVER AND PATCH WALL TILE TO MATCH EXISTING
1006	(E) RECESSED TOILET TISSUE DISPNESER TO REMAIN
1007	(E) RECESSED SANITARY NAPKIN DISPOSAL TO REMAIN
1008	(E) GRAB BAR TO REMAIN

LICENSED ARCHITECT
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03-31-21
STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697
REF. DRAWING NO: 5/ A2.1

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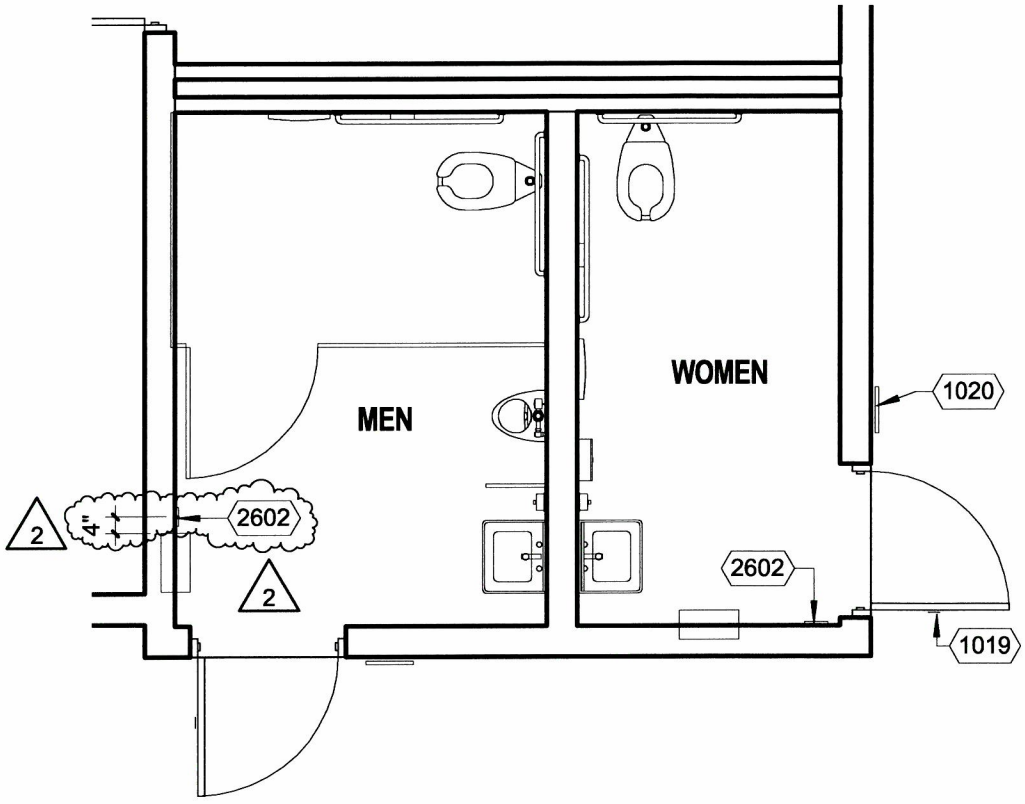
(E) MEN.WOMEN TOILET FLOOR PLAN

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1/4" = 1'-0"
JOB NO:	1719900

ADD-02

A08



KEYNOTE	DESCRIPTION
2602	REINSTALL (E) LIGHTING SWITCH TO 48" TO THE TOP OF OULET

2

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STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697

REF. DRAWING NO: 6/ A2.1

ARCHITECTS WLC

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COLE ELEMENTARY SCHOOL MODERNIZATION

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UNIFIED SCHOOL DISTRICT

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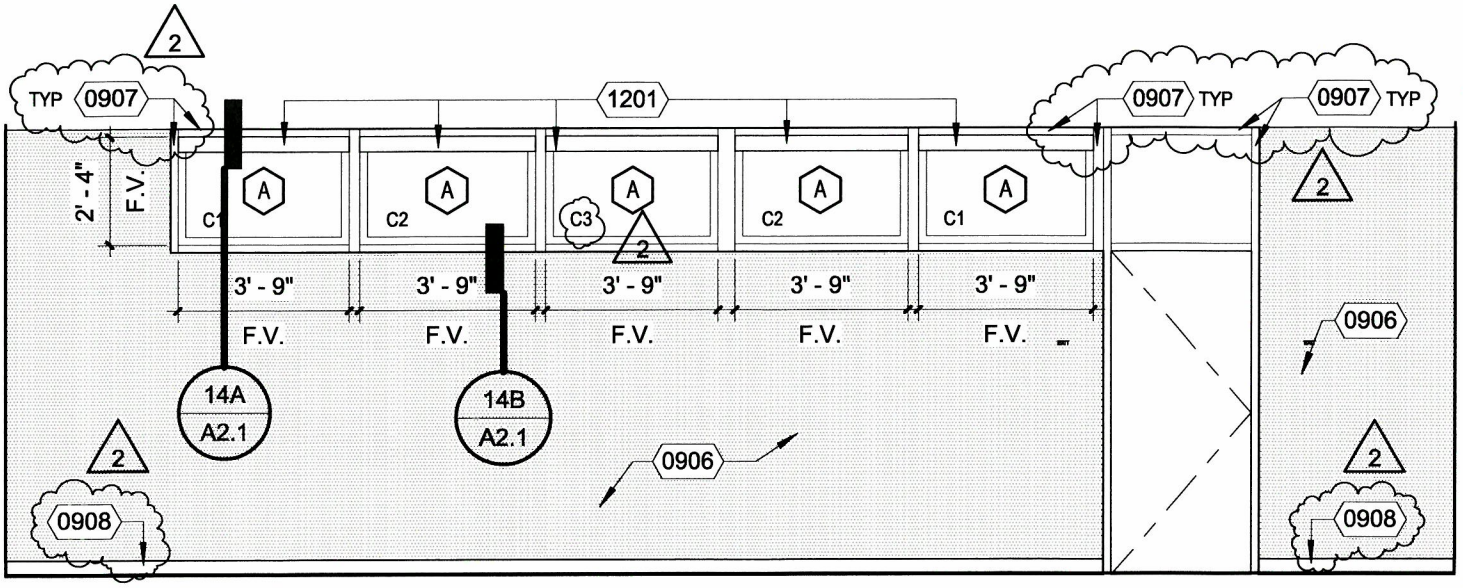
(N) MEN/WOMEN TOILET FLOOR PLAN

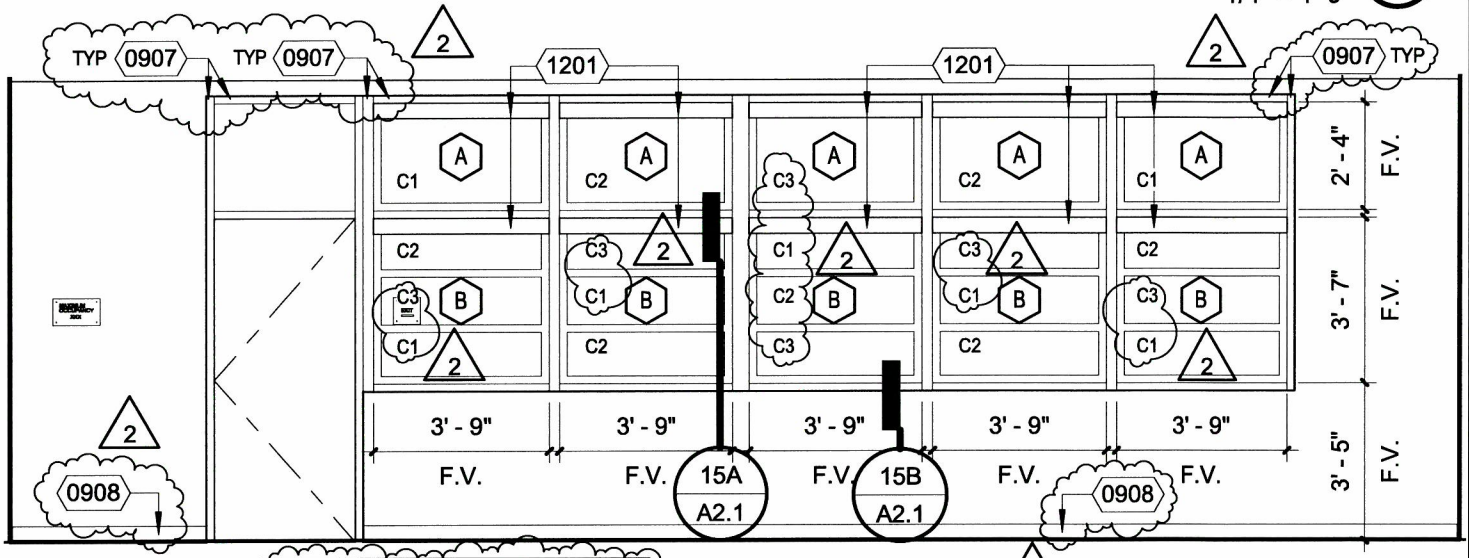
DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1/4" = 1'-0"
JOB NO:	1719900

ADD-02

A09



NEW ELEVATION 1
1/4" = 1'-0"
11



ABBREVIATIONS
C1 - COLOR #1 VANCEVA 06DH
C2 - COLOR #2 VANCEVA 3466
C3 - COLOR #3 VANCEVA HHHH

NEW ELEVATION 2
1/4" = 1'-0"
12

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ARCHITECT

KEYNOTE	DESCRIPTION
0906	(N) TACKBOARD, REF TO SPEC, COLOR SAPPHIRE M621-77
0907	PAINT (E) INT. & EXT. WOOD TRIMS, COLOR SELECT BY ARCHITECT
0908	(N) 4" RUBBER BASE, COLOR SELECT BY ARCHITECT

APPL. 04-117697
REF. DRAWING NO: 11 & 12/A2.1

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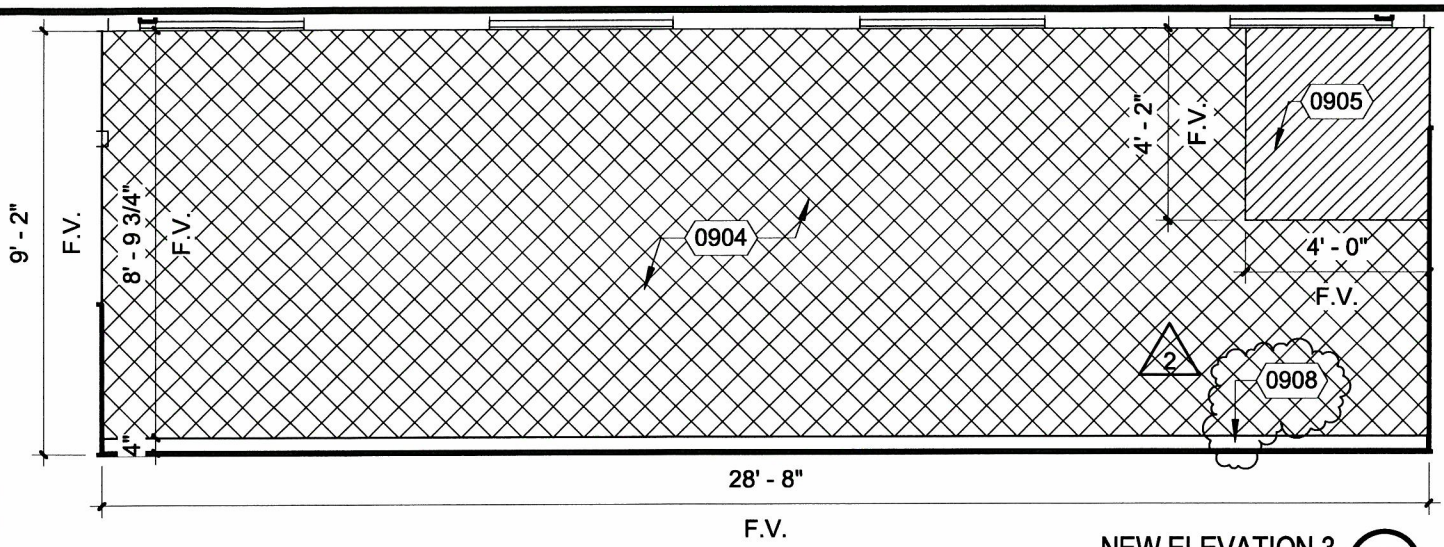
NEW ELEVATION 1 & 2

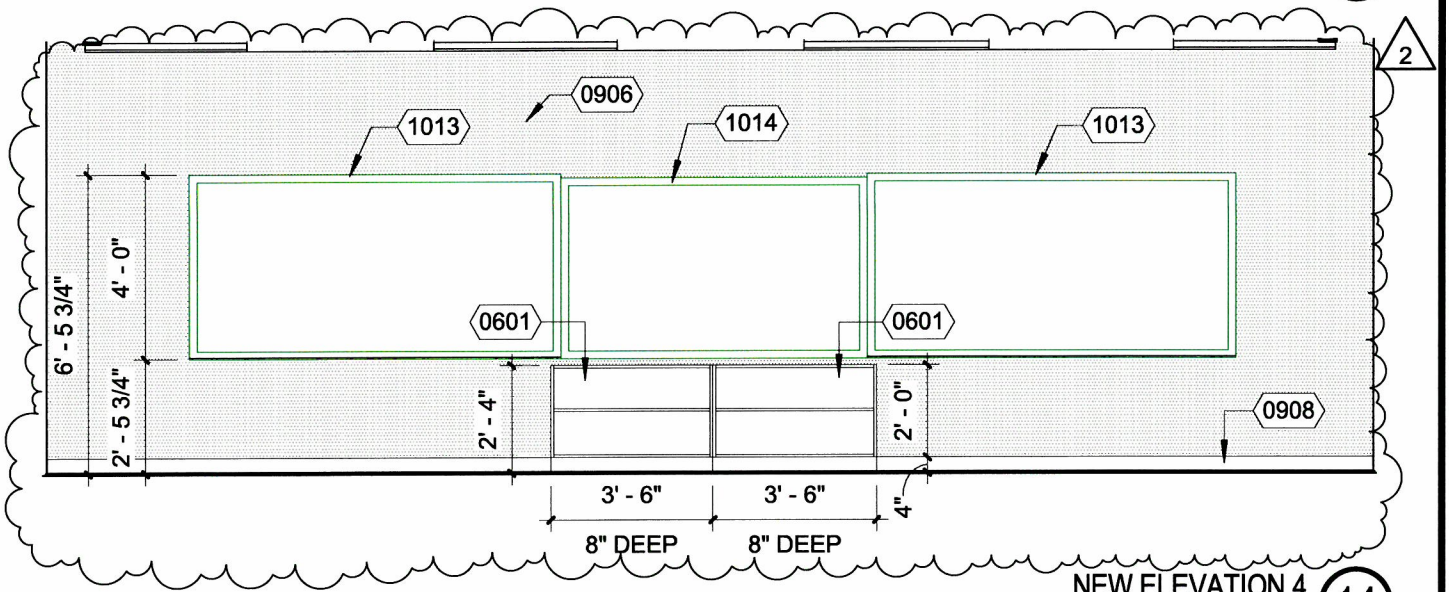
DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1/4" = 1'-0"
JOB NO:	1719900

ADD-02

A10



NEW ELEVATION 3 (13)
1/4" = 1'-0"



NEW ELEVATION 4 (14)
1/4" = 1'-0"

KEYNOTE		DESCRIPTION
2	0601	(N) LAMINATE SHELVES, REF TO DRAWING A14
	0904	(N) DIGITAL WALL COVERING GRAPHIC, REF TO SPEC
	0905	(E) PLYWOOD PANEL TO REMAIN
2	0906	(N) TACKBOARD, REF TO SPEC, COLOR SAPPHIRE M621-77
	0908	(N) 4" RUBBER BASE, COLOR SELECT BY ARCHITECT
	1013	(N) 8'W X 4'H MARKERBOARD, REF TO SPEC, 4" MAX PROJECTION
	1014	(N) 86" ACTIVPANEL WITH MOUNTING BRACKET, REFER TO ATTACHED DRAWING A12 FOR BACKING

2

LICENSED ARCHITECT
Mark Graham
MARK GRAHAM
C-26046
03-31-21
STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697

REF. DRAWING NO: 13/ A2.1

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COLE ELEMENTARY SCHOOL
MODERNIZATION

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UNIFIED SCHOOL DISTRICT

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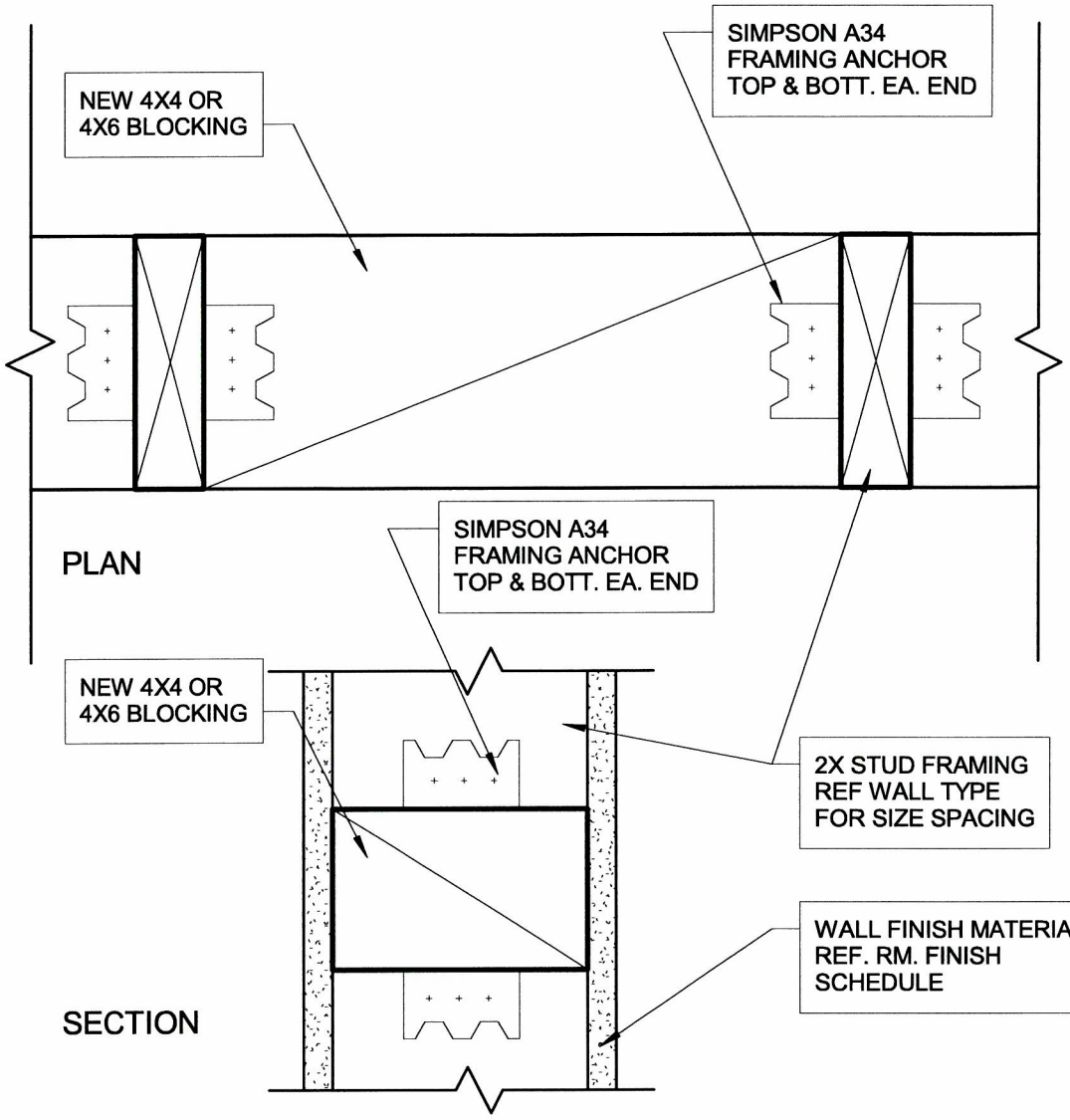
HIGHLAND, CA 92346

NEW ELEVATION 3 & 4

DRWN:	JY
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1/4" = 1'-0"
JOB NO:	1719900

ADD-02

A11



LICENSED ARCHITECT
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C-26046
03-31-21
STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697

REF. DRAWING NO:

ARCHITECTS WLC

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SUITE 100
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COLE ELEMENTARY SCHOOL
MODERNIZATION

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UNIFIED SCHOOL DISTRICT

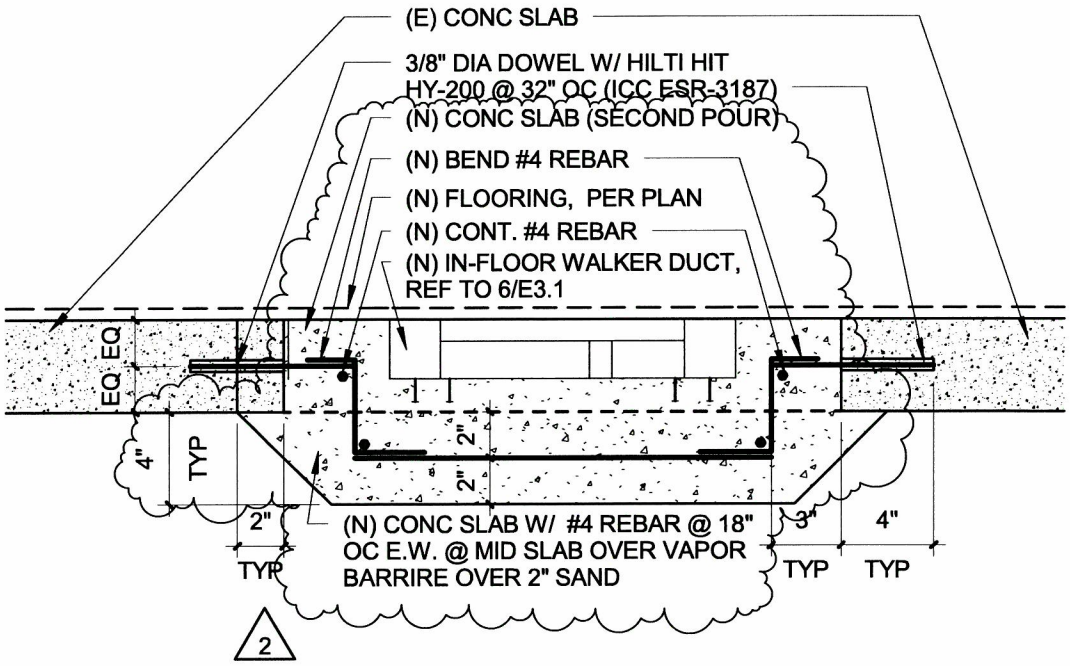
1331 N. COLE AVE,
HIGHLAND, CA 92346

TYP WOOD BACKING DETAIL

DRWN:	CTW
CHKD:	CTW
DATE:	8/28/2019
SCALE:	3" = 1'-0"
JOB NO:	1719900

ADD-02

A12



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STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697
REF. DRAWING NO: 16/A2.1

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1331 N. COLE AVE,
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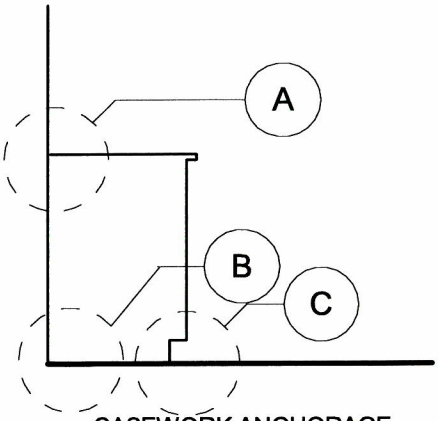
NEW SLAB CONNECTION

DRWN:	CTW
CHKD:	CTW
DATE:	8/28/2019
SCALE:	1 1/2" = 1'-0"
JOB NO:	1719900

ADD-02

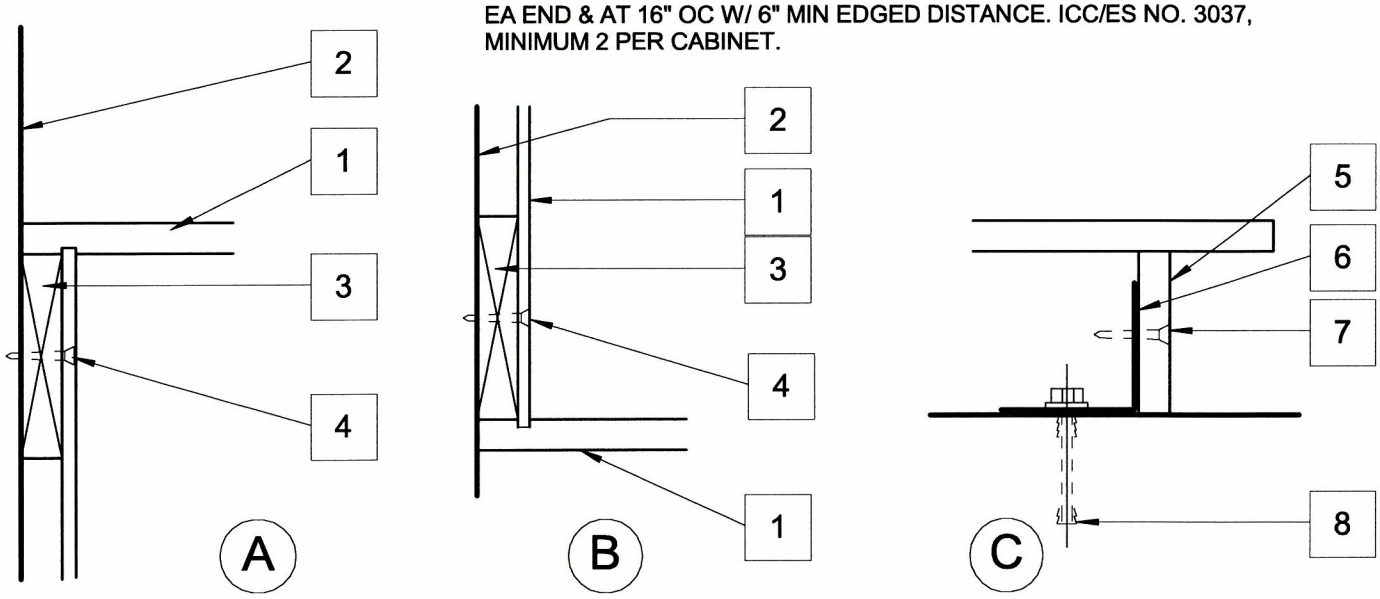
A13



CASEWORK ANCHORAGE LOCATIONS

ANCHORAGE NOTES:

1. CASEWORK (FRONT) (BACK) (TOP) (BOTTOM)
2. FACE OF WALL
3. 1 x 4 CONT WOOD CLEAT
4. WOOD STUD FRAMING - #14 FHWS W/ 2-1/2" MIN PENETRATION INTO 3X6 WD BLKG. 3" MAX FROM EA END. ANC BLKG TO EA WALL STUD W/ A34 ANC T& B. PROVIDE 5 EA. ON TOP, MIDDLE AND BOTTOM ROW.
5. 3/4" PARTICLE BOARD BASE
6. CONT 2-1/2" X 2-1/2" X 0.0538" THK GALV BENT SHT MET ANGLE
7. #12 x 1-1/2" LONG FHWS - 3" FROM EA END AND @ 12" OC
8. 3/8" DIA SIMPSON STRONG BOLT 2 W/ 2" MIN EMBEDDMENT, 3" FROM EA END & AT 16" OC W/ 6" MIN EDGED DISTANCE. ICC/ES NO. 3037, MINIMUM 2 PER CABINET.



LAMINATED PLASTIC CASEWORK MATERIALS

FABRICATE IN ACCORDANCE WITH SECTION 10 OF NORTH AMERICAN ARCHITECTURAL WOODWORK STANDARDS:
1. CORE MATERIAL: MEDIUM DENSITY FIBERBOARD.
2. CONSTURCTION: STYLE - FRAMELESS.
3. JOINERY: DOWELED JOINTS.
4. CABINET BACKS: BLIND DADOED.
5. BASE: MOISTURE RESISTANT.
6. SHELVES: 1-M-2 PARTICLE BOARD, WITH HPDL TWO SIDES 1 INCH THICK, MOE OF 710,000, CAPABLE OF SUPPORTING 50LB/SQ FT LOAD WITH DEFLECTION OF L/144.
7. SHELF EDGE BANDS: 0.028 INCH HIGH PRESSURE PLASTIC LAMINATE IN COLOR TO MATCH SHELF. ALL 4 EDGES OF ADJUSTABLE SHELVES TO RECEIVE BANDING.
8. EXPOSED SURFACED: 0.028 INCH HIGH PRESSURE PLASTIC LAMINATE, COLOR AND PATTERN AS SELECTED BY ARCHITECT.

ARCHITECT

APPL. 04-117697

REF. DRAWING NO:

WLC ARCHITECTS
8163 ROCHESTER AVE.
SUITE 100
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CALIFORNIA 91730

COLE ELEMENTARY SCHOOL MODERNIZATION

SAN BERNARDINO CITY UNIFIED SCHOOL DISTRICT

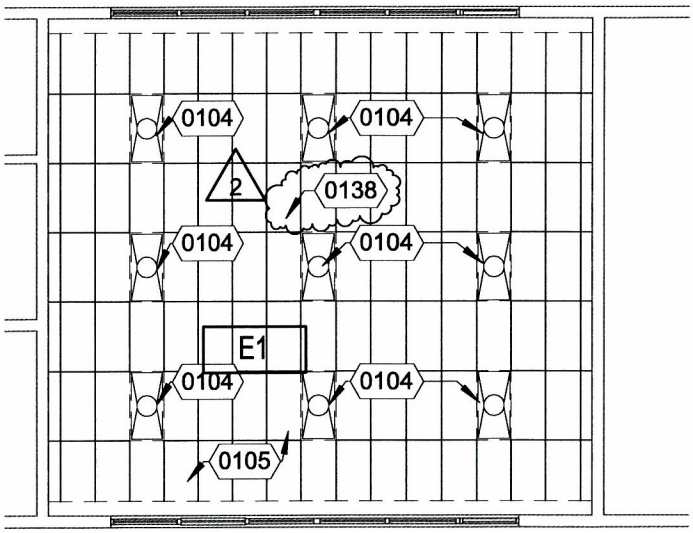
1331 N. COLE AVE,
HIGHLAND, CA 92346

SHELVES DETAIL

DRWN:	Author
CHKD:	Checker
DATE:	8/28/2019
SCALE:	3" = 1'-0"
JOB NO:	1719900

ADD-02

A14



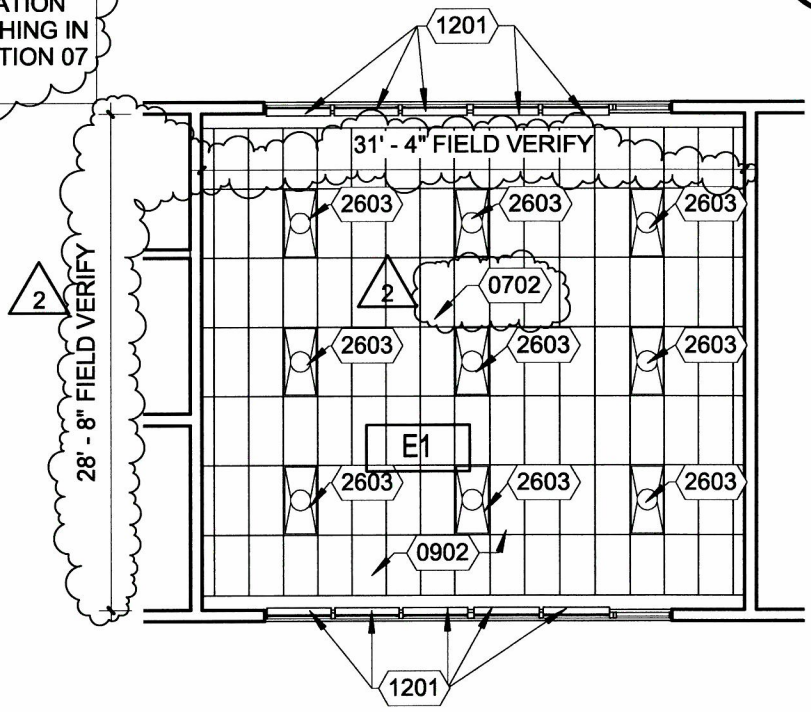
DEMO CEILING PLAN

3/32" = 1'-0"

A

2

KEYNOTE	DESCRIPTION
0138	REMOVE ALL (E) THERMAL BATT INSULATION ON THE TOP OF CEILING IN ROOM E1
0702	PROVIDE AND INSTALL (N) R30 ROOF THERMAL BATT INSULATION UNDER THE (E) ROOF SHEATHING IN ROOM E1, REF TO SPEC SECTION 07 21 16



NEW CEILING PLAN

3/32" = 1'-0"

B

LICENSED ARCHITECT
MARK GRAHAM
C-26046
03-31-21
STATE OF CALIFORNIA

ARCHITECT

APPL. 04-117697

REF. DRAWING NO: 7 & 8/A2.1

ARCHITECTS WLC

8163 ROCHESTER AVE.
SUITE 100
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COLE ELEMENTARY SCHOOL MODERNIZATION

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UNIFIED SCHOOL DISTRICT

1331 N. COLE AVE,
HIGHLAND, CA 92346

DEMO AND NEW CEILING PLAN

DRWN:	CTW
CHKD:	CTW
DATE:	09/09/19
SCALE:	3/32" = 1'-0"
JOB NO:	1719900

ADD-02

A15

Branch Panel: E1B

Location:
Supply From: E1
Mounting: SURFACE
Enclosure: BOLT-ON

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

A.I.C. Rating:
Mains Type:
Mains Rating: 60 A
MCB Rating: 150 A

Notes:

CKT	Circuit Description	Trip	Poles	A	B	C	Poles	Trip	Circuit Description	CKT
1	REC - E1 WALLSTATION 1,2	20 A	1	720 VA			1	20 A	REC - E1 STATION 1	2
3	REC - E1 WALLSTATION 3,4	20 A	1		540 VA		1	20 A	REC - E1 STATION 1	4
5	REC - E1 TEACHER DESK/TV	20 A	1			1080...	1	20 A	REC - E1 STATION 2	6
7	REC - E1 STATION 4	20 A	1	180 VA			1	20 A	REC - E1 STATION 2	8
9	REC - E1 STATION 4	20 A	1		180 VA		1	20 A	REC - E1 STATION 3	10
11	REC - E1 STATION 5	20 A	1			180 VA	1	20 A	REC - E1 STATION 3	12
13	REC - E1 STATION 5	20 A	1	180 VA			1	20 A	REC - E1 TV MONITOR	14
15	SPARE	20 A	1		0 VA		1	20 A	SPARE	16
17	SPARE	20 A	1			0 VA	1	20 A	SPARE	18
19	SPARE	20 A	1	0 VA			1	20 A	SPARE	20
21	SPACE	–	–		0 VA		–	–	SPACE	22
23	SPACE	–	–			0 VA	–	–	SPACE	24
25	SPACE	–	–	0 VA			–	–	SPACE	26
27	SPACE	–	–		0 VA		–	–	SPACE	28
29	SPACE	–	–			0 VA	–	–	SPACE	30
31										32
33										34
35										36
37										38
39										40
41										42
	Total Load:			2220 VA	1260 VA	1620 VA				
	Total Amps:			19 A	10.5 A	14 A				

1

Legend:

Load Classification	Connected Load	Demand Factor	Estimated Demand	Panel Totals	
Power	1080 VA	100.00%	1080 VA		
Receptacles	4020 VA	100.00%	4020 VA	Total Conn. Load:	5100 VA
				Total Est. Demand:	5100 VA
				Total Conn. Current:	14.2 A
				Total Est. Demand Current:	14.2 A

Notes:

LICENSED ARCHITECT
MARK GRAHAM
C-26046
03-31-21
STATE OF CALIFORNIA

ARCHITECT

IMEG
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ONTARIO, CA 91764
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www.imegcorp.com **# 18003005.00**

REGISTERED PROFESSIONAL ENGINEER
NESTOR C. IGNACIO, JR.
Lic. E16934
Exp. 6-30-2021
ELECTRICAL
STATE OF CALIFORNIA

APPL. 04-117697
REF. DRAWING NO: E0.3

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COLE ELEMENTARY SCHOOL
MODERNIZATION

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UNIFIED SCHOOL DISTRICT

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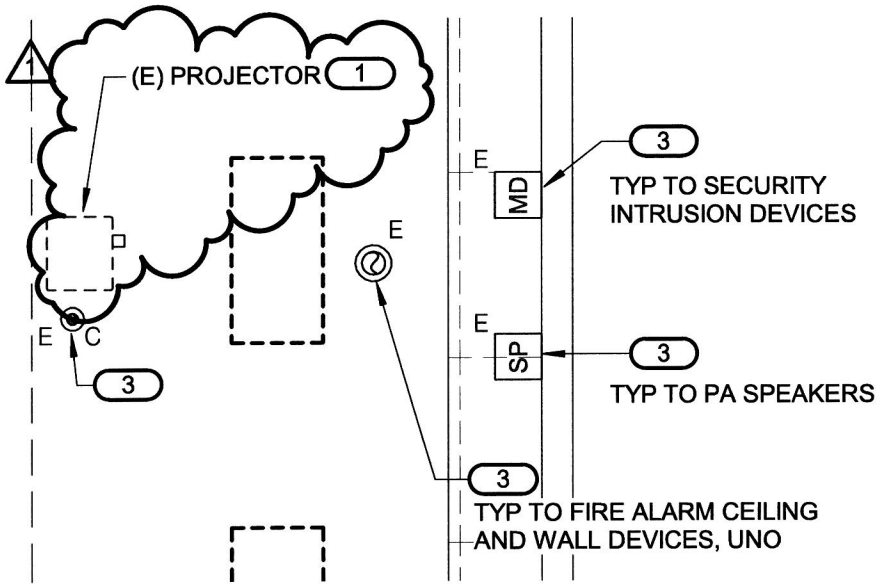
HIGHLAND, CA 92346

PANEL SCHEDULE SKETCH

DRWN:	JI
CHKD:	NI
DATE:	08/12/19
SCALE:	NTS
JOB NO:	1719900

ADD-02

E01



LICENSED ARCHITECT
MARK GRAHAM
C-26046
03-31-21
STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER
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Exp. 6-30-2021
ELECTRICAL
STATE OF CALIFORNIA

APPL. 04-117697
REF. DRAWING NO: 1/E2.1

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UNIFIED SCHOOL DISTRICT

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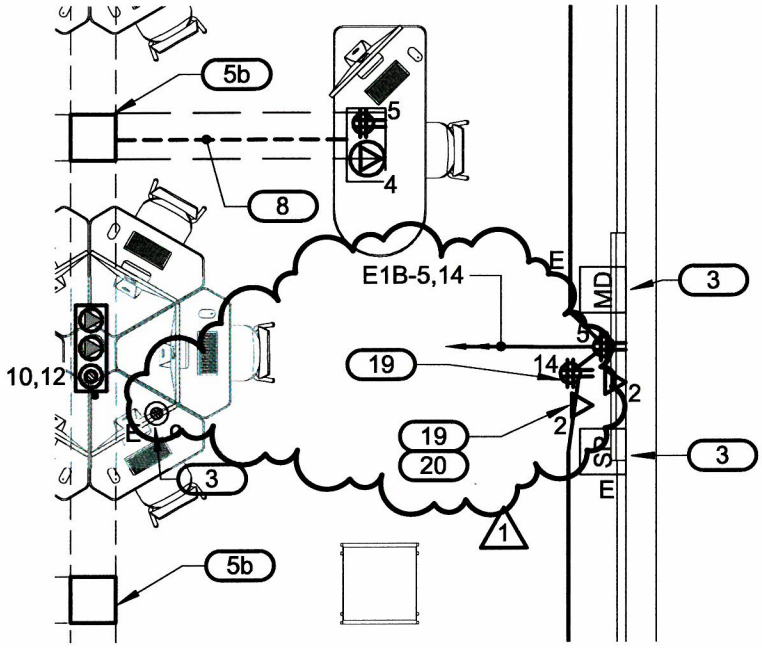
HIGHLAND, CA 92346

DEMOLITION PLAN SKETCH

DRWN:	JI
CHKD:	NI
DATE:	08/12/19
SCALE:	1/4" = 1'-0"
JOB NO:	1719900

ADD-02

E02



KEY NOTES

19. OUTLET FOR TOUCHSCREEN TV MONITOR AND I5 PC MODULE. MOUNT OUTLET BEHIND TV MONITOR +60" AFF. COORDINATE EXACT LOCATION WITH TV MOUNTING HARDWARE. TV MONITOR SHALL BE EQUAL OR SIMILAR TO CLEV-15486LUXEX PLUS SERIES 4K LUX SERIES (DUAL SLOT) WITH CHIEF-XTM1U MICRO-ADJUST TILT X-LARGE WALL MOUNTING HARDWARE. 1

20. PROVIDE 1" CONDUIT TO CEILING SPACE WITH (2) CAT6a CABLES AND HOMERUN TO IDF-E. PROVIDE J-HOOKS IN CEILING SPACE FOR CABLE PATHWAY.

LICENSED ARCHITECT
MARK GRAHAM
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03-31-21
STATE OF CALIFORNIA

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REGISTERED PROFESSIONAL ENGINEER
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Lic. E16934
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ELECTRICAL
STATE OF CALIFORNIA

APPL. 04-117697
REF. DRAWING NO: 3/E2.1

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COLE ELEMENTARY SCHOOL
MODERNIZATION

SAN BERNARDINO CITY
UNIFIED SCHOOL DISTRICT

1331 N. COLE AVE,
HIGHLAND, CA 92346

POWER & SIGNAL PLAN SKETCH

DRWN:	JI
CHKD:	NI
DATE:	08/12/19
SCALE:	1/4" = 1'-0"
JOB NO:	1719900

ADD-02

E03