

March 10, 2023

# **Shields & Brawley Elementary School**

Prepared By SIM-PBK Architects, Inc.; 7790 N. Palm Avenue; Fresno, California 93711

SIM-PBK Architects Project Number 17-67

Notice to Bidders

- A. Receipt of this Addendum shall be acknowledged on the Proposal Form. Failure to acknowledge receipt of each addendum may subject bidder to disqualification.
- B. This Addendum forms part of the Contract Documents for the above referenced project and shall be incorporated integrally therewith.
- C. Each proposer shall make necessary adjustments and submit their proposal with full knowledge of all modifications, clarifications, and supplemental data included therein. Where provisions of the following supplemental data differ from those of the original Contract Documents, this Addendum shall govern.

#### GENERAL

Item No. 2-01	CLOUDS and DELTA 2 TAGS, indicate changes / revisions /
	modifications within the document, no changes to rest of DSA
	approved set.

Item No. 2-02 REFER TO "INSTRUCTION TO BIDDERS" PRE-BID CONFERENCES: <u>Bidders must attend at least one pre-bid conference in order to be</u> <u>eligible to submit a bid for this project.</u> Mandatory Pre-bid conference will be held on May 11, 2023, at 10:00 A.M. and May 17, 2023, at 10"00 A.M. and ADDED (third Mandatory job walk) May 23, 2023 at 10:00 A.M. The project is located on the northwest corner of the intersection of Shields & Brawley Avenues in Fresno, CA. The address is: 4108 West Shields Avenue, Fresno, California 93722. We will meet on the 4000 block of Fountain Way (west of Brawley Avenue) in front of the site.

#### **SPECIFICATIONS**

Item No. 2-0309 66 00 RESILENT FLOOR COVERING<br/>ADDED specification, see attached AD 2-03a.Item No. 2-0409 72 00 PROTECTIVE WALL PANELS<br/>ADDED specification, see attached AD 2-04a.Item No. 2-0528 31 00 FIRE ALARM<br/>ADDED specification, see attached AD 2-05a.Item No. 2-0610 26 00 ACROVYN<br/>ADDED specification, see attached AD 2-06a



March 10, 2023

# Shields & Brawley Elementary School

Item No. 2-07	<b>09 72 00 TACKABLE WALL COVERING</b> <b>ADDED</b> specification, see attached AD 2-07a. Replace all 2(2)"x 12' long Tack Strips in approved plans with (5) 24"x48" Tackboard Panels. See color schedule remark 13/A2.8. For Classrooms 4, 14,16, and 21, contractor to provide district with tackboard panels for each classroom instead of installing them in each specified room.
DRAWINGS	
Item No. 2-08	SHEET A1.4, ENLARGED RESTROOM PLAN, First Floor REPLACE sheet in its entirety, see attached AD 2-08a
Item No. 2-09	SHEET A1.5, ENLARGED RESTROOM PLAN, First Floor REPLACE sheet in its entirety, see attached AD 2-09a
Item No. 2-10	SHEET A1.9, ENLARGED RESTROOM PLAN, First Floor REPLACE sheet in its entirety, see attached AD 2-10a
Item No. 2-11	SHEET A1.10, ENLARGED STAIR PLAN, First Floor REPLACE sheet in its entirety, see attached AD 2-11a
Item No. 2-12	SHEET A1.14, ENLARGED RESTROOM PLAN, MPR REPLACE sheet in its entirety, see attached AD 2-12a
Item No. 2-13	SHEET A2.1, FINISH SCHEDULE, MAIN REPLACE sheet in its entirety, see attached AD 2-13a
Item No. 2-14	SHEET A2.2, FINISH SCHEDULE, MAIN REPLACE sheet in its entirety, see attached AD 2-14a
Item No. 2-15	SHEET A2.3, FINISH SCHEDULE, MAIN REPLACE sheet in its entirety, see attached AD 2-15a
Item No. 2-16	SHEET A2.4, FINISH SCHEDULE, MAIN REPLACE sheet in its entirety, see attached AD 2-16a
Item No. 2-17	SHEET A2.5, DOOR SCHEDULE, MAIN, 2ND FLOOR REPLACE sheet in its entirety, see attached AD 2-17a
Item No. 2-18	SHEET A2.6, WINDOW SCHEDULE, MAIN, 2ND FLOOR REVISED Door Schedule to Read Window Schedule, see attached AD 2-18a
Item No. 2-19	SHEET A2.8, COLOR SCHEDULE REPLACE sheet in its entirety, see attached AD 2-19a
Item No. 2-20	SHEET A2.9, ENLARGED FINISH FLOOR PLAN REPLACE sheet in its entirety, see attached AD 2-20a



March 10, 2023

# Shields & Brawley Elementary School

Item No. 2-21	SHEET A5.1, INTERIOR ELEVATIONS, MAIN REPLACE sheet in its entirety, see attached AD 2-21a
Item No. 2-22	SHEET A5.5, INTERIOR ELEVATIONS, MAIN REPLACE sheet in its entirety, see attached AD 2-22a
Item No. 2-23	SHEET A5.6, INTERIOR ELEVATIONS, 1ST FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-23a
Item No. 2-24	SHEET A5.7, INTERIOR ELEVATIONS, 1ST FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-24a
Item No. 2-25	SHEET A5.8, INTERIOR ELEVATIONS, 1ST FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-25a
Item No. 2-26	SHEET A5.9, INTERIOR ELEVATIONS, 1ST FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-26a
Item No. 2-27	SHEET A5.10, INTERIOR ELEVATIONS, 1ST FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-27a
Item No. 2-28	SHEET A5.11, INTERIOR ELEVATIONS, 1ST FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-28a
Item No. 2-29	SHEET A5.12, INTERIOR ELEVATIONS, 2ND FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-29a
Item No. 2-30	SHEET A5.13, INTERIOR ELEVATIONS, 2ND FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-30a
Item No. 2-31	SHEET A5.14, INTERIOR ELEVATIONS, 2ND FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-31a
Item No. 2-32	SHEET A5.15, INTERIOR ELEVATIONS, 2ND FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-32a
Item No. 2-33	SHEET A5.16, INTERIOR ELEVATIONS, 2ND FLOOR, MAIN REPLACE sheet in its entirety, see attached AD 2-33a
Item No. 2-34	SHEET A5.20, INTERIOR ELEVATIONS, MPR REPLACE sheet in its entirety, see attached AD 2-34a
Item No. 2-35	SHEET A6.3, EXTERIOR ELEVATIONS, MAIN REPLACE sheet in its entirety, see attached AD 2-35a



March 10, 2023

# **Shields & Brawley Elementary School**

Item No. 2-36	SHEET A8.1, DETAILS REPLACE sheet in its entirety, see attached AD 2-36a
Item No. 2-37	SHEET A8.2, DETAILS REPLACE sheet in its entirety, see attached AD 2-37a
Item No. 2-38	SHEET A8.3, DETAILS REPLACE sheet in its entirety, see attached AD 2-38a
Item No. 2-39	SHEET A8.12, SERVICE YARD PLAN REPLACE sheet in its entirety, see attached AD 2-39a
Item No. 2-40	SHEET A8.16, DETAILS REPLACE sheet in its entirety, see attached AD 2-40a
Item No.2-41	SHEET A8.18, DETAILS REPLACE sheet in its entirety, see attached AD 2-41a.
Item No. 2-42	SHEET C3.1, SITE AND DIMENSION PLAN OMIT entire sheet.
Item No. 2-43	SHEET C3.2, SITE AND DIMENSION PLAN OMIT entire sheet.
Item No. 2-44	SHEET C6.8, DETAILS REPLACE sheet in its entirety, see attached AD 2-44a.
Item No. 2-45	SHEET C6.9, DETAILS REPLACE sheet in its entirety, see attached AD 2-45a.
Item No. 2-46	SHEET FD1, FRESNO DEPARTMENT PLAN REPLACE sheet in its entirety, see attached AD 2-46a.
Item No. 2-47	SHEET FD2, FRESNO DEPARTMENT PLAN REPLACE sheet in its entirety, see attached AD 2-47a.

### END OF ADDENDUM

SIM-PBK Architects Shields & Brawley Elementary School Central Unified School District

SECTION 09 66 00 **RESILIENT FLOOR COVERING** 

AD 2-03a S&B Elementary 02-116800

- PART 1 GENERAL
- 1.01 REFERENCE:

Requirements in Addenda, Alternates, Conditions, and Division 1 collectively apply to this work.

- 1.02 DESCRIPTION:
  - A. Principal Work Items Are:
    - 1. Resilient tile and sheet vinyl flooring, stair treads and risers.
    - 2. Resilient base.
      - a. At resilient flooring.
      - b. At carpet flooring.
      - c. At fixed casework.
    - 3. Adhesives and primers.
    - 4. Accessories.
  - B. Related Work Specified Elsewhere:
    - 1. Concrete: Section 03300.
    - 2. Carpeting: Section 09680.

#### 1.03 QUALITY ASSURANCE:

A. Qualifications of installers: Use workmen who are thoroughly trained and experienced in the installation of resilient flooring and who are completely familiar with the specified requirements and the methods needed for proper performance of installation.

#### 1.04 SUBSTITUTIONS:

A. Only written approval of Architect or District will permit substitutions for materials specified.

- 1.05 SUBMITTALS:
  - A. Samples in duplicate of manufacturer's full range of colors and patterns.
  - B. Maintenance Data: Two bound copies of manufacturer's printed recommendations for care and cleaning of resilient flooring.
  - C. Product Data: For each type of product specified.
- 1.06 PRODUCT DELIVERY, STORAGE AND HANDLING:
  - A. Deliver all materials to site in original sealed packages with manufacturer's brand and product clearly identified thereon.

B. Store materials in building area where they will be installed for three days minimum prior to installation.

#### 1.07 JOB CONDITIONS:

- A. Environmental Requirements:
  - 1. Maintain temperature range of materials and building space, which receives them at 70-90° F. for 48 hours minimum before, after and during all installation. Thereafter maintain 55-degree minimum.
- B. Sequencing, Scheduling: Coordinate with related work of other Sections.
- C. Do not install flooring over concrete slabs until slabs have cured and are sufficiently dry to bond with adhesive as determined by flooring manufacturer's recommended bond and moisture test.

#### 1.08 EXTRA MATERIAL:

- A. Furnish extra materials described below that match products installed, are packaged with covering for storage, and are identified with labels describing contents.
  - 1. Furnish not less than one box for each 50 boxes or fraction thereof of each type, color, pattern, class, wearing surface, and size of resilient tile flooring installed in unopened containers.
  - 2. Furnish not less than 10 linear feet for each 500 linear feet or fraction thereof of each type, color, pattern, and size of resilient accessory installed.
  - 3. Furnish not less than 2% of each type, color, pattern, class, wearing surface of vinyl sheet flooring installed. Each type a minimum of 10 lineal feet and must be a continuous piece.
  - 4. Deliver extra materials to the District

#### PART 2 - PRODUCTS

- 2.01 VINYL SHEET FLOORING:
  - A. Acceptable Manufacturer and Product:
    - 1. Armstrong Classic Corlon Series. Design elements shall extend throughout the thickness of the wear layer.

#### B. General

- 1. Reference: Federal Specifications L-F-475A (3), Type II, Grade A; Military Standard 1623D.
- 2. Fire Performance: ASTM E662, ASTM E84, ASTM E648.
- 3. 50 mil wear thickness.
- 4. Size: 6' wide.
- 5. Overall Thickness: .085".
- 6. Minimum Load Limit: 100 lbs/sq. in.
- 7. C.O.F. 7.06 per ASTM D1894

- C. Color Selection: Selected by Architect or District.
- D. Underlayment: 1/4" (Weyerhauser Structureboard or approved equal). Underlayment for resilient floors should be structurally sound and designed for resilient flooring underlayment purposes with a minimum thickness of 1/4". Underlayment must comply with Sheet Vinyl and V.C.T. manufacturer's specifications.

#### 2.03 RUBBER STAIR TREADS, RISERS, STRINGER, AND/OR SKIRTS:

- A. Acceptable Manufacturer and Product:
  - 1. Mannington Commercial
  - 2. Mohawk
- B. Stair Tread: Slip-resistant rubber treads shall be "Rouleau" Round Profile. Top and Bottom treads shall have a 2" contrasting color adhesive strip which is embedded in the tread and shall be of first quality vulcanized rubber compound. Each tread shall be free of objectionable odors, blisters, cracks, or other imperfections which will detract from the serviceability and appearance of the tread. Stair treads shall conform to Federal Specifications 22-T. 001237 (GSA-FSS) Type II, Class 2, A and B and RR-T-650c, composition A, Types 1, 2 and 5.
- C. Color Selection: Selected by Architect or District.
- 2.04 RUBBER FLOOR TILES AT LANDINGS SMOOTH AND RIBBED 12" x 12"
  - A. Acceptable Manufacturer and Products:
    - 1. Mannington Commercial
    - 2. Mohawk
  - B. Products/Description: (Molded rubber floor tile) (Molded rubber floor tile with 1/4" wide groove surface design).
    - 1. Floor Tile Size: 12" x 12" (304.800 mm x 304.800 mm).
    - 2. Thickness: (gauge) .125" (3.175 mm).
    - 3. Color and Pattern Selection: As selected by the Architect or District from manufacturer's full range of colors and patterns produced for rubber stair treads and accessories complying with requirements indicated. Visually impaired.
      - a. Selection from manufacturer's standard array is to be,
        - 1. 'Natural Illusions'
        - 2. 'Marble'
        - 3. or as indicated in the drawings.
    - 4. Substrate adhesives pursuant to types and brands as recommended by manufacturer.
    - 5. Conformance:
      - a. ASTM F-1344, Class 1B; FS SS-T-312b, Ty
      - b. ASTM D-2047 Test: Static Coefficient of Friction. Exceeds ADA recommendation.
      - c. ASTM D-2240 Hardness Shore A; not less than 90.
      - d. ASTM E-84 Class B; (Class A upon special order).

#### Shields & Brawley Elementary School Central Unified School District

- e. ASTM E-648/NFPA 253; Class 1 Fire Rating.
- f. ADA requirements.
- 6. Nosing Style: Square, adjustable to cover angles between 60 and 90 degrees.
- 7. Size: Lengths and depths to fit each stair tread in one piece.
- 8. Provide matching skirting and risers to match.

#### 2.05 RESILIENT BASE / RUBBER BASE:

- A. Acceptable Manufacturers and Products:
  - 1. Mannington Commercial
  - 2. Mohawk
  - 3. Other manufacturers: See substitutions.
- B. General:
  - 1. Standards: Per Federal Specifications SS-W-40, Type I or Type II.
  - 2. Rubber, uniform size, thickness.
  - 3. Size: 4" or 6" height typical, other heights as indicated, 48" lengths typical, .080" minimum thickness, pre-formed inside and outside corners.
  - 4. Style: Coved top-set at resilient flooring and sealed concrete.
  - 5. Color Selection: Commercial and decorator colors as selected by Architect or District.
- 2.06 ADHESIVES, PRIMERS AND FILLERS:
  - A. Types and brands as recommended by manufacturer of flooring and base materials.

#### 2.07 TRANSITIONAL AND EDGE MOLDINGS:

- A. Vinyl transitions and edge as manufactured by Mercer Plastics Company.
- C. Other manufacturers: See substitutions.
- B. Color Selection: Color as selected by Architect or District.

#### PART 3 - EXECUTION

- 3.01 INSPECTION:
  - A. General: Examine surfaces to determine suitability to receive flooring. Do not start work until unsatisfactory conditions are corrected.
  - B. Moisture Test: Using the flooring material and recommended adhesives, install 3'x3' panels tape edges to prevent edge drying of adhesive. If the panels are securely bonded after 72 hours, sub-floor is sufficiently dry.
  - C. Calcium Chloride Test: A quantitative test such as the calcium chloride test may be conducted. If test fails, the concrete is not sufficiently dry for installation of resilient flooring.
- 3.02 PREPARATION:

- A. Clean sub-floor and wall surface. All floor fill, toppings, or underlayment must comply with resilient flooring manufacturer's specifications.
- B. Prime surfaces as recommended by flooring materials manufacturer.
- C. Sub-floor should be dry, smooth, structurally sound, free of depressions, scale or foreign deposits of any kind.
- D. Floor fill, toppings or underlayment must have minimum compressive Strength of 4,000 PSI.
- E. Level subfloor within 1\4 inch in 10 feet, noncumulative, in all directions. Sand or grind protrusions, bumps, and ridges. Patch and repair cracks, and rough areas. Fill depressions.
- F. Use stair-tread-nose filler, according to resilient tread manufacturer's written instructions, to fill nosing substrates that do not conform to tread contours.

#### 3.03 APPLICATION:

- A. General: Follow manufacturer's printed instructions. Work to be aligned, square, with tight joints, well fitted to walls, cabinets and other work.
- B. Laying Floors:
  - 1. Spread adhesive evenly with notched trowel according to manufacturer's recommendation.
  - 2. Install tile only after all finishing operations, including painting, have been completed and permanent heating system is operating. Moisture content of concrete slabs, building air temperature and relative humidity must be within limits recommended by tile manufacturer.
  - 3. Butt units tightly to vertical surfaces, thresholds, nosing and edgings. Scribe as necessary around obstructions and to produce neat tight joints with even and straight lines.
  - 4. Extend units into toe spaces, door reveals, and in closets and similar openings.
  - 5. Maintain reference markers, holes, or openings that are in place or plainly marked for future cutting by repeating on the finish tile as marked in the subfloor. Use chalk or other non-permanent marking device.
  - 6. Lay tile from center marks established with principle walls, discounting minor offsets, so that tile at opposite edges of the room are of equal width. Adjust as necessary to avoid use of cut widths less than 3' at room perimeters. Lay tile square to room axis.
  - 7. Match tiles for color and pattern by using tile from cartons in the same sequence as manufactured and packaged. Broken, cracked, chipped or deformed tile are not acceptable.
  - 8. Lay tile pattern selected by the Architect or District.
- C. Resilient Base:

- 1. Apply coved top-set base at all resilient floors, after laying tile. Use maximum practicable lengths.
- 2. Apply adhesive, firmly adhere base, press down bottom cove of top-set base to permanently contact flooring at all points.
- 3. Corners: Use pre-molded inside and outside corners, and fit accurately.
- D. Sheet Vinyl Flooring:
  - 1. Install in strict accordance with manufacturer's written instructions with a minimum of seams by the Armstrong Securabond Installation System with Armstrong S-200 adhesive at the seams.
  - 2. Installer shall be competent in the Securabond installation technique.
  - 3. All flash coving must be by the one-piece flash coving method.
  - 4. All flash coving must be finished to "hard cap".
  - 5. All heat-welded seams must be in strict compliance with manufacturer's guidelines.
  - 6. When seam treatments are recommended and require protection until they cure or dry, provide adequate protection and post signs with necessary cautions.
- 3.04 ADJUSTMENT AND CLEANING:
  - A. Adjustment: Remove and replace loose, damaged, mismatched, or misaligned work. Remove adhesive smears.
  - B. Cleaning: Just prior to final acceptance of project, clean work and remove all protective finishes and foreign substances.
  - C. Protection: Protect completed work from traffic or damage until acceptance by the C.U.S.D.
  - D. All rubbish, wrappings, debris, trimmings, etc. to be removed from the site and disposed of properly.

#### END OF SECTION

AD 2-04a



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

#### 1.01 SUMMARY

- Α. This section includes the following types of wall protection systems:
  - 1. Wall Panels
- B. Related sections: The following sections contain requirements related to this section:
  - 1. Handrails, Bumper Guards, Crash Rails, Corner Guards, Accent Rails, Wall Covering, Door Protection; refer to section 10 26 00 "Wall and Door Protection"

#### 1.02 REFERENCES

- Α. National codes (CBC and Life Safety)
- B. American Society for Testing and Materials (ASTM)
- C. Underwriters Laboratories (UL)
- D. California 01350 specification

#### 1.03 **SUBMITTALS**

- Α. General: Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures".
- Product data and detailed specifications for each system component and Β. installation accessory required, including installation methods for each type of substrate.
- C. Shop drawings showing locations, extent and installation details of wall panel products.
- Samples for verification purposes: Submit the following samples, as proposed for D. this work, for verification of color, texture, pattern and thickness:
  - 1. Sample of each product specified.
- E. Product test reports from a qualified independent testing laboratory showing compliance of each component with requirements indicated.

F. Maintenance data for wall protection system components for inclusion in the operating and maintenance manuals specified in Division 1.

#### 1.04 QUALITY ASSURANCE

- A. Installer qualifications: Engage an installer who has no less than 3 years experience in installation of wall panels similar in complexity to those required for this project.
- B. Manufacturer's qualifications: Not less than 5 years experience in the production of specified products and a record of successful performance.
- C. Code compliance: Assemblies should conform to all applicable codes including IBC, Life Safety and CA 01350.
- D. Fire performance characteristics: Provide engineered PETG wall panels identical to those tested in accordance with ASTM E84 for Class B characteristics listed below:
  - 1. Flame spread 75 or less
  - 2. Smoke developed: 450 or less
- E. Impact Strength: Provide assembled wall protection units that have been tested in accordance with the applicable provisions of ASTM F476.
- F. Chemical and stain resistance: Provide wall panels with chemical and stain resistance in accordance with ASTM D543.
- G. Color Match: Provide wall panels that are color matched in accordance with the following:
  - 1. Delta Ecmc of no greater than 1.0 using CIELab color space. Components of the wall protection system manufactured by the same company to ensure compatibility of color, texture and physical properties.
- H. Single source responsibility: Provide all components of the wall protection system manufactured by the same company to ensure compatibility of color, texture and physical properties.

#### 1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to the project site in unopened packaging clearly labeled to show manufacturer.
- B. Store materials in original, undamaged packaging in a clean, dry place out of direct sunlight and exposure to the elements. A room temperature of 40-100°F (4-38°C) should be maintained.
- C. Materials must be stored flat.

#### 1.06 PROJECT CONDITIONS

- A. Materials must be acclimated in an environment of 65-75°F (18-24°C) for at least 24 hours prior to beginning the installation.
- B. Installation areas must be enclosed and weatherproofed before installation commences.

#### 1.07 WARRANTY

- A. Acrovyn 5-year Limited Warranty
  - Applies to Interior Wall Protection orders that <u>do not</u> include recommended components or accessories Assemblies = Brackets, Hardware
    - Accessories = Primer, Adhesive, Caulk, Trims & Moldings
  - A. Limited Lifetime Systems Warranty
    - Applies to CS Interior Wall Protection projects that include all recommended components and accessories related to CS Interior Wall Protection Products. Assemblies = Brackets, Hardware Accessories = Primer, Adhesive, Caulk, Trims & Moldings

### PART 2 - PRODUCTS

- 2.01 MANUFACTURERS
  - A. Interior surface protection products specified herein and installed on the submittal drawings shall be manufactured by Construction Specialties, Inc.

#### 2.02 MATERIALS

- A. Engineered PETG Wall Panels to be Acrovyn 4000 by Construction Specialties Inc: Wall panels to be manufactured of .040" (1.02mm) thick Acrovyn 4000 sheet factory bonded to the face side of a 3/8" (9.53mm) thick particle board core with no added urea formaldehyde. The backside of the panel to be laminated with a moisture resistant sheet.
  - C/S Acrovyn 4000 Square Edge Pebblette Texture Wall Panel available in (64)\* Acrovyn solid colors. All joint caulk and PVC-free trim members supplied in color to coordinate with panel color. Standard texture shall be 4' x 8' or 4' x 10'. Acrovyn sheet material is MBDC Cradle to Cradle® Certified Silver in all (64) colors.
  - 2. CRASH RAILS (Model 5CR-5CN) 5" x 1 1/16". Installation at 29" (verify with Architect) from floor to bottom of bumper.
  - CORNER GUARDS (Model SM-20N) 90° surface mounted corner guard with 3" (76.1mm) legs, 1/4" (6.4mm) radius cover and regrind PVC FREE retainer. Specify SM-20AN for continuous aluminum retainer or SM-20MN for odd degree corners. Select from one of Acrovyn<sup>™</sup> solid colors, Acrovyn <sup>™</sup> Woodgrains or Acrovyn<sup>™</sup> Brushed Metals simulated patterns. Optional horizontal accent reveal available in Black only (90° only). PROTECTIVE WALL PANELS

[Specifier note: refer to the Acrovyn Cradle to Cradle Product Summary at <u>www.acrovyn.com/c2c</u> to determine which colors and patterns are *Cradle* to *Cradle Certified*<sup>™</sup> Gold or Silver (exception: optional horizontal accent reveal). Cradle to Cradle Certified<sup>™</sup> is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.]

Engineered PVC FREE Corner Guards to be CS Acrovyn: Surface mounted guards consisting of continuous retainer with snap-on Acrovyn 4000 cover. Color matched end caps to be provided for both partial and full height applications. Attachment hardware shall be appropriate for wall construction.

#### 2.03 WALL PANEL MOUNTING OPTIONS

A. Mount Option to be construction grade adhesive supplied by manufacturer. Panel edges to be butt joint or trim options as per manufacturers.

#### 2.04 FABRICATION

A. General: Fabricate wall panels to comply with requirements indicated for design, dimensions, detail, finish and sizes. All based upon required field verified dimensions.

#### 2.05 ACCESSORIES

A. Acrovyn Wall Panels shall be furnished as a complete packaged system.

#### PART 3 - EXECUTION

#### 3.01 EXAMINATION

- A. Verification of conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
  - 1. Do not proceed until unsatisfactory conditions have been corrected.

#### 3.02 PREPARATION

- A. Surface preparation: Prior to installation, clean substrate to remove dirt, debris and loose particles. Perform additional preparation procedures as required by manufacturer's instructions.
- B. Protection: Take all necessary steps to prevent damage to material during installation as required in manufacturer's installation instructions.

#### 3.03 INSTALLATION

- A. Install the work of this section in strict accordance with the manufacturer's recommendations and the required field verified dimensions.
- B. Temperature at the time of installation must be between 65-75°F (18-24°C) and be maintained for at least 48 hours after the installation to allow for proper adhesive set up.
- C. Relative humidity shall not exceed 80%.
- D. Do not expose wall panels to direct sunlight during or after installation. This will cause the surface temperature to rise, which in turn will cause bubbles and delamination.

#### 3.04 CLEANING

- A. General: Immediately upon completion of installation, clean wall panels and accessories in accordance with manufacturer's recommended cleaning method.
- B. Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

#### 3.05 PROTECTION

A. Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.

#### END OF SECTION





### PART 1 – GENERAL

- 1.1 RELATED SECTIONS
  - A. Section 21 00 00 Fire Suppression.
  - B. Section 26 00 00 Electrical
  - C. Section 27 10 00 Structured Cabling System
- 1.2 REFERENCES
  - A. Electrical Industries Association (EIA):
    - 1. EIA-232-D Interface Between Data Terminal Equipment and Data Circuit-Terminating Equipment Employing Serial Binary Data Interchange
    - 2. TIA-485-A Electrical Characteristics of Generators and Receivers for Use in Balanced Multipoint Systems
  - B. California Code of Regulations
    - 1. Title 24, Part 3 California Electrical Code (CEC)
  - C. National Fire Protection Association (NFPA):
    - 1. NFPA 12 Standard on Carbon Dioxide Extinguishing Systems.
    - 2. NFPA 13 Installation of Sprinkler Systems.
    - 3. NFPA 15 Standard for Water Spray Fixed Systems for Fire Protection.
    - 4. NFPA 16 Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems.
    - 5. NFPA 16A Standard for the Installation of Closed Head Foam-Water Sprinkler Systems.
    - 6. NFPA 70 National Electrical Code (NEC)
    - 7. NFPA 72 National Fire Alarm Code.
    - 8. NFPA 90A Standard for the Installation of Air Conditioning and Ventilating Systems.
    - 9. NFPA 101 Life Safety Code.
    - 10. NFPA 750 Standard on Water Mist Fire Protection Systems.
    - 11. NFPA 5000 Building Construction and Safety Code.
  - D. Underwriters Laboratories (UL):
    - 1. UL 268 Standard for Smoke Detectors for Fire Alarm Signaling Systems.
    - 2. UL 864 Standard for Control Units and Accessories for Fire Alarm Systems.
    - 3. UL 1971 Standard for Signaling Devices for the Hearing Impaired.

#### 1.3 SCOPE OF WORK

- A. Furnish all labor, equipment, and materials for, and comply with the performance requirements of the Fire Alarm System indicated in the drawings and specified herein.
- B. It is the intent of the Contract Documents to provide an installation complete in every respect. In the event that additional details or special construction is required to accomplish work indicated or specified in this or other sections, it shall be the responsibility of the Contractor to provide all materials and equipment which is usually furnished with such systems in order to complete the installation, whether or not specifically mentioned herein.

#### 1.4 SYSTEM DESCRIPTION

- A. A new, intelligent reporting, Style 7 networked, fully peer-to-peer, microprocessorcontrolled fire detection and notification system shall be installed in accordance with the specifications and as indicated on the Drawings.
- B. Basic Performance:
  - 1. Network Communications Circuit Serving Network Nodes: Connected using approved fiber optic cable between nodes in Class A configuration (NFPA Style 7).
  - 2. Signaling Line Circuits (SLC) Serving Addressable Devices: Wired Class B.
  - 3. Initiation Device Circuits (IDC) Serving Non-addressable Devices Connected to Addressable Monitor Modules: Wired Class B.
  - 4. Notification Appliance Circuits (NAC) Serving Strobes and Horns: Wired Class B.
  - 5. Alarm Signals Arriving at Control Panel: Not lost following primary power failure until alarm signal is processed and recorded.
  - 6. Network Node Communications:
    - a. Communicated between panels on Style 7 connected fiber optic cables.
    - b. To enhance system survivability, ability to operate on loss of Command Center, short or open of entire riser at Command Center shall be demonstrated at time of system acceptance testing.
    - c. Systems that are not capable of providing true Style 7 riser performance shall not be acceptable.
  - 7. Signaling Line Circuits (SLC):
    - a. SLC modules shall operate in peer-to-peer fashion with all other panels in system.
    - b. On loss of Command Center, each remaining panel shall continue to communicate with remainder of system, including all SLC and control functions Systems that provide a "Degraded" mode of operation upon loss of Command Center or short in riser shall not be acceptable.
    - c. Limit the number of devices to 80% of the maximum allowed of each type on SLC circuits.

- 8. Notification Appliance Circuits (NAC):
  - a. Arranged such that loss of any 1 NAC circuit will not cause loss of any other NAC circuit in system.
  - b. Electrically supervised for open and short circuit conditions.
  - c. If short circuit exists on NAC circuit, it shall not be possible to activate that circuit.
  - d. Voltage drop is not to exceed 10% at the furthest point on any NAC circuit.
- 9. Emergency Voice/Alarm Communications (EVAC):
  - a. Arranged such that loss of any 1 EVAC amplifier or branch will not cause loss of any other EVAC circuit in the system.
  - b. Electrically supervised for open and short circuit conditions.
  - c. If short circuit exists on NAC circuit, it shall not be possible to activate that circuit.
  - d. Voltage drop is not to exceed 10% at the furthest point on any NAC circuit.
- 10. Standby Power:
  - a. Provide a minimum of 20% spare battery capacity above calculated requirements.
- C. Sequence of Operations:
  - 1. General Alarm: Upon alarm activation of any area smoke detector, duct smoke detector, heat detector, manual pull station, or sprinkler water flow switch, the following functions shall automatically occur:
    - a. The internal audible device shall sound at the control panel or command center.
    - b. The LCD Display shall indicate all applicable information associated with the alarm condition including zone, device type, device location and time/date.
    - c. All system activity/events shall be documented on the system printer.
    - d. Any remote or local annunciator LCD/LED's associated with the alarm zone shall be illuminated.
    - e. The following notification signals and actions shall occur simultaneously:
      - i. A signal shall be sounded on fire floors (zones). The signal shall be a Temporal 3 tone.
      - ii. Activate visual strobes on the fire floors (zones). The visual strobe shall stop operating when the "Alarm Silence" is pressed.
      - iii. Transmit signal to the building automation system (if applicable) and/or shutdown all HVAC units serving the floor of alarm.
      - iv. Transmit signal to the central station with point identification.
      - v. Activate automatic smoke control sequences (if applicable).
      - vi. All stairwell/exit doors shall unlock throughout the building.
      - vii. All self-closing fire/smoke doors held open shall be released.
      - viii. All automatic events programmed to the alarm point shall be executed and the associated outputs activated.
  - 2. Elevator Lobby / Equipment Room Detectors: Upon alarm activation of any elevator lobby smoke detector or equipment room detector the following functions shall automatically occur:
    - a. Perform general alarm sequence above.
    - b. Elevator Lobby smoke detectors shall recall the elevators to primary floor

- c. Elevator Lobby smoke detectors located on the primary recall floor shall recall the elevator the alternate floor.
- d. Equipment room smoke detectors shall recall the elevator to the primary floor.
- e. Activation of the Equipment room heat detector shall initiate the shunt trip in the associated elevator equipment room.
- 3. Supervisory Operation: Upon supervisory activation of any sprinkler valve supervisory switch, fire pump off-normal, clean agent fire suppression system trouble, the following functions shall automatically occur:
  - a. The internal audible device shall sound at the control panel or command center.
  - b. The LCD display shall indicate all applicable information associated with the supervisory condition including; zone, device type, device location and time/date.
  - c. All system activity/events shall be documented on the system printer.
  - d. Any remote or local annunciator LCD/LED's associated with the supervisory zone shall be illuminated.
  - e. Transmit signal to the central station with point identification.
- 4. Trouble Operation: Upon activation of a trouble condition or signal from any device on the system, the following functions shall automatically occur:
  - a. The internal audible device shall sound at the control panel or command center.
  - b. The LCD keypad display shall indicate all applicable information associated with the trouble condition including; zone, device type, device location and time/date.
  - c. All system activity/events shall be documented on the system printer.
  - d. Any remote or local annunciator LCD/LED's associated with the trouble zone shall be illuminated.
  - e. Transmit signal to the central station with point identification.
- 5. Monitor Operation: Upon activation of any device connected to a monitor circuit (fire pump/emergency generator status), the following functions shall automatically occur:
  - a. The LCD display shall indicate all applicable information associated with the status condition including; zone, device type, device location and time/date.
  - b. All system activity/events shall be documented on the system printer.
  - c. Any remote or local annunciator LCD/LED's associated with the status zone shall be illuminated.
- D. Fire Alarm System Functionality:
  - 1. Provide complete, electrically supervised distributed, networked analog/addressable fire alarm and control system, with analog initiating devices.
  - 2. Fire Alarm System:

- a. Incorporate E3 Series multiprocessor-based control panels, with Intelligent Loop Interface (ILI-MB-E3), and RPT-E3 repeater modules communicating over peer-to-peer token ring network with capacity of up to 64 nodes.
- 3. Each ILI-MB-E3 Node: Incorporate 2 Signaling Line Circuits (SLC), with capacity to support up to 159 analog addressable detectors and 159 addressable modules per SLC.
- 4. All data transmits over single pair of wires or fiber optic cable.
- 5. Each Network Node: Incorporate Boolean control-by-event programming, including as a minimum AND, OR, NOT, and Timer functions.
- 6. Control Panels: Capability to accept firmware upgrades via connection with laptop computer, without requirement of replacing microchips.
- 7. Network:
  - a. Based on peer-to-peer token ring technology operating at 625 K baud, using Style 7 configuration.
  - b. Capability of using twisted-pair wiring, pair of fiber optic cable strands up to 200 microns, or both, to maximize flexibility in system configuration.
- 8. Each Network Node:
  - a. Capability of being programmed off-line using Windows-based software utilized by fire alarm system manufacturer. Capability of being downloaded by connecting laptop computer into any other node in system. Systems that require system software to be downloaded to each transponder at each transponder location shall not be acceptable.
  - b. Capability of being grouped with any number of additional nodes to produce a "Region", allowing that group of nodes to act as 1, while retaining peer-topeer functionality. Systems utilizing "Master/Slave" configurations shall not be acceptable.
  - c. Capability of annunciating all events within its "Region" or annunciating all events from entire network, on front panel LCD without additional equipment.
- 9. Each SLC Network Node: Capability of having integral DACT (digital alarm communicator transmitter) that can report events in either its region, or entire network to single central station monitoring account.
- 10. Each Control Panel: Capability of storing its entire program, and allow installer to activate only devices that are installed during construction, without further downloading of system.
- 11. Password Protection: Each system shall be provided with 4 levels of password protection with up to 16 passwords.
- 1.5 SUBMITTALS
  - A. Comply with Section 01 33 00 Submittal Procedures.

- B. Include sufficient information, clearly presented, to determine compliance with the specifications and the Drawings. Insufficiently detailed submittals shall be rejected.
- C. Equipment Submittals:
  - 1. Cover Page: Indicate the following:
    - a. Project name and address.
    - b. Engineered systems distributor's name and other contact information.
    - c. Installing contractor's name and other contact information.
    - d. Date of equipment submittals. Indicate on revised submittals the original submittal date and revised submittal date.
  - 2. Table of Contents: Lists each section of equipment submittal.
  - 3. Scope of Work Narrative: Detail indented scope of work.
  - 4. Sequence of Operations: Use matrix or written text format, detailing activation of each type of device and associated resulting activation of the following:
    - a. Control panel.
    - b. Annunciator panels.
    - c. Notification appliances.
    - d. Building fire safety functions, including elevator recall, elevator power shutdown, door lock release, door holder release, HVAC unit shutdown, smoke evacuation system activation, and stair pressurization fan activation.
  - 5. Bill of Material: Indicate for each component of system the following:
    - a. Quantity.
    - b. Model number.
    - c. Description.
  - 6. SLC Circuit Schedule: Detail address and associated description of each addressable device. Clearly provide information that indicates number of both active and spare addresses.
  - 7. Battery Calculations: Show load of each of, and total of, components of system along with standby and alarm times that calculations are based on. Show calculated spare capacity and size of intended battery.
- D. Shop Drawings:
  - 1. Cover Page: Indicate the following:
    - a. Project name and address.
    - b. Engineered systems distributor's name and other contact information.
    - c. Installing contractor's name and other contact information.
    - d. Date of equipment submittals. Indicate on revised submittals the original submittal date and revised submittal date.
  - 2. Floor Plans:
    - a. Provide separate floor plan for each floor.

- b. If a floor plan must be split using match lines to fit on the page, provide match lines and match line references that refer to sheet number that shows area on opposite side of match line.
- c. Prepare using CAD program capable of producing AutoCAD compliant DXF (Drawings Exchange Format) files.
- d. Prepare to scale no smaller than 1/8 inch = 1'-0", unless otherwise required by the Architect or Engineer.
- e. Show equipment and device locations.
- f. Show wiring information in point-to-point format.
- g. Show conduit routing, if required by the AHJ.
- 3. Title Block: Provide on each sheet and include, at a minimum, the following:
  - a. Project name.
  - b. Project address.
  - c. Sheet name.
  - d. Sheet number.
  - e. Scale of drawing.
  - f. Date of drawing.
  - g. Revision dates, if applicable.
- 4. Control Panel: Provide sheet that details exterior and interior views of control panel and clearly shows associated wiring information.
- 5. Annunciator Panels: Provide sheet that details exterior and interior views of annunciator panels and clearly shows associated wiring information.
- E. Certification: Submit with equipment submittals and shop drawings, letter of certification from major equipment manufacturer, indicating proposed engineered system distributor is an authorized representative of major equipment manufacturer.
- F. Project Record Drawings:
  - 1. Submit complete project record drawings within 14 calendar days after acceptance test.
  - 2. Project record drawings shall be similar to shop drawings, but revised to reflect changes made during construction.
- G. Operation and Maintenance Manuals:
  - 1. Submit complete operation and maintenance manuals within 14 calendar days after acceptance test.
  - 2. Operation and maintenance manuals shall be similar to equipment submittals, but revised to reflect changes made during construction.
  - 3. Include factory's standard installation and operating instructions.
- 1.6 APPROVAL
  - A. All Fire Alarm System components are required to be listed with the California State Fire Marshal (CSFM).
  - B. Installation of the Fire Alarm System shall not commence until all approvals are granted by the California State Fire Marshal (CSFM), Division of the State Architect (DSA), and any other Authorities Having Jurisdiction (AHJ).

- C. Installation of the system shall not commence until all shop drawings and submittals are approved by the School District, Architect of Record, and Engineer of Record.
- 1.7 QUALITY ASSURANCE
  - A. Codes and Standards:
    - 1. NFPA: System shall comply with all applicable NFPA codes and standards:
    - 2. ADA: System shall conform to American with Disabilities Act (ADA).
  - B. To ensure reliability and complete compatibility, all items of fire alarm system, including control panels, power supplies, initiating devices, and notification appliances, shall be listed by Underwriters Laboratories Inc. (UL) and shall bear the "UL" label.
  - C. Fire Alarm Control Panel Equipment: UL-listed under UL 864 Ninth Edition.
  - D. Equipment, Programming, and Installation Supervision:
    - 1. The contractor is required to hold a C-10 license and any other certifications required by the Authority Having Jurisdiction.
    - 2. The contractor is required to be an approved engineered systems distributor of Gamewell-FCI for equipment, programming, and installation supervision.
    - 3. Proof of factory training shall be delivered within 14 calendar days of award of the Contract.
  - E. Software Modifications:
    - 1. Provide services of Gamewell-FCI factory-trained and authorized technician to perform system software modifications, upgrades, or changes.
    - 2. Provide use of all hardware, software, programming tools, and documentation necessary to modify fire alarm system software on-site.
    - 3. Modification includes addition and deletion of devices, circuits, zones, and changes to system operation and custom label changes for devices or zones.
    - 4. System structure and software shall place no limit on type or extent of software modifications on-site.
    - 5. Modification of software shall not require power-down of system or loss of system fire protection while modifications are being made.
- 1.8 DELIVERY, STORAGE, AND HANDLING
  - A. Delivery: Deliver materials to site in manufacturer's original, unopened containers and packaging, with labels clearly identifying product name and manufacturer.
  - B. Storage: Store materials in clean, dry area indoors in accordance with manufacturer's instructions.
  - C. Handling: Protect materials from damage during handling and installation.
- 1.9 COORDINATION
  - A. Coordinate the Work of this section with the Work of other sections, including sprinkler systems, elevators, HVAC systems, and security/door locking systems, as applicable.

#### 1.10 WARRANTY

- A. Warranty Period for System Equipment: 1 year from date of final acceptance.
- B. Trouble Calls: The contractor shall guarantee on-site service for the Fire Alarm System within 24 hours of the receipt of a trouble call.

#### PART 2 – PRODUCTS

- 2.1 MANUFACTURERS
  - A. Gamewell-FCI, Honeywell Fire Systems
    12 Clintonville Road, Northford, Connecticut 06472. Phone (203) 484-7161. Fax (203) 484-7118. Website: www.gamewell-fci.com
    1. NO SUBSTITUTION.
  - B. System Sensor
     3825 Ohio Avenue, St. Charles, Illinois 60174.
     Phone (630) 377-6580. Fax (630) 377-6495. Website: www.systemsensor.com
- 2.2 DISTRIBUTED NETWORKED FIRE ALARM SYSTEM
  - A. Distributed Networked Fire Alarm System: Gamewell-FCI E3 Series Expandable Emergency Evacuation Fire Alarm System.
- 2.3 CONTROL PANEL HARDWARE
  - A. Intelligent Control Panel: Supply user interface, including LCD or touch-screen 1/4 VGA display Intelligent Loop Interface Modules (ILI-MB-E3), manual switching, Control Panel shall consist of the following units and components:
    - 1. System Cabinet (B-, Č-, or D-Size Cabinet) with associated inner door.
    - 2. Power Supply Module (PM-9) with batteries.
    - 3. 80-Character LCD Display (LCD-E3).
    - 4. Intelligent Loop Main Board Interface (ILI-MB-E3).
    - 5. Intelligent Loop Supplemental Interface (ILI-S-E3).
    - 6. FocalPoint Gateway (FPT-GATE-E3).
    - 7. Optional DACT (DACT-E3).
    - 8. Optional Network Repeater (RPT-E3).
    - 9. Optional 1/4 VGA touch-screen display (NGA).
    - 10. Optional Auxiliary Switch Module (ASM-16).
  - B. System Cabinet:
    - 1. Surface or semi-flush mounted with texture finish.
    - 2. Consist of back box, inner door, and door.
    - 3. Available in at least 3 sizes to best fit project configuration.
    - 4. Houses 1 or more PM-9 Power Supply Modules, 1 or more ILI-MB-E3 or ILI-S-E3 assemblies, and other optional modules as specified.
    - 5. Construction: Dead-front steel construction with inner door to conceal internal circuitry and wiring.

- 6. Wiring: Terminated on removable terminal blocks to allow field servicing of modules without disrupting system wiring.
- C. Power Supply Module (PM-9): Use latest technologies to provide power to the Control Panel and incorporate the following features:
  - 1. Power-saving switching technology using no step-down transformers.
  - 2. 9-amp continuous-rated output to supply up to all power necessary under normal and emergency conditions.
  - 3. Integral battery charger with capacity to charge up to 55 amp-hour batteries while under full load.
- D. Batteries:
  - 1. Sufficient capacity to provide power for entire system upon loss of normal AC power for a period of 24 hours with 15 minutes of alarm signaling at end of this 24-hour period, as required by NFPA 72, Local Systems.
- E. LCD Display Module (LCD-E3):
  - 1. LCD Display: 80-character RS-485 based textual annunciator with capability of being mounted locally or remotely. Provides audible and visual annunciation of all alarms and trouble signals. Provide dedicated LEDs for:
    - a. AC Power On: Green.
    - b. Alarm: Red.
    - c. Supervisory: Yellow.
    - d. System Trouble: Yellow.
    - e. Power Fault: Yellow.
    - f. Ground Fault: Yellow.
    - g. System Silenced: Yellow.
  - 2. 80-Character Alphanumeric Display: Provide status of all analog/addressable sensors, monitor and control modules. Display shall be liquid crystal type (LCD), clearly visible in dark and under all light conditions.
  - 3. Panel shall contain 4 functional keys:
    - a. Alarm Acknowledge.
    - b. Trouble Acknowledge.
    - c. Signal Silence.
    - d. System Reset/Lamp Test.
  - 4. Panel shall contain 3 configuration buttons:
    - a. Menu/Back.
    - b. Back Space/Edit.
    - c. OK/Enter.
  - 5. Panel shall have 12-key telephone-style keypad to permit selection of functions.
- F. Intelligent Loop Interface (ILI-MB-E3): System shall be of multiprocessor design to allow maximum flexibility of capabilities and operation. Intelligent Loop Interface shall be capable of mounting in stand-alone enclosure as specified.
  - 1. Field Programmable: System shall be capable of being programmed by Field Configuration Program (FCP), allowing programming to be downloaded via portable computer from any node on network.
  - 2. RS-232C Serial Output: Supervised RS-232C serial port shall be provided to operate remote printers and/or video terminals, accept downloaded program from portable computer, or provide 80-column readout of all alarms, troubles, location

descriptions, time, and date. Communication shall be standard ASCII code operating from 1,200 to 115,200 baud rate.

- RS-485 Serial Output: Each ILI-MB-E3 shall incorporate RS-485 bus via ribbon harness for connection of modules inside same cabinet, and via 4-wire quick connector for connection of modules up to 3,000 feet from cabinet. Each ILI-MB-E3's RS-485 bus shall support up to 16 ASM-16 auxiliary switch modules, 6 LCD-E3 main annunciators, and 5 LCD-7100 annunciators.
- 4. Peer-to-Peer Panel Configuration: All Loop Interface Modules shall incorporate own programming, log functions, Central Processor Unit, and control-by-event (CBE) programming. If any loop driver becomes disabled, each remaining loop driver shall continue to communicate with remainder of network and maintain normal operation.
- 5. Control-by-Event (CBE) Program: ILI-MB-E3 shall be capable of programming using Boolean logic including AND, OR, NOT, and TIMING functions to provide complete programming flexibility.
- 6. Alarm Verification: Smoke detector alarm verification shall be standard option while allowing other devices such as manual stations and sprinkler flow to create immediate alarm. This feature shall be selectable for smoke sensors that are installed in environments prone to nuisance or unwanted alarms.
- 7. Alarm Signals: All alarm signals shall be automatically latched or "locked in" at control panel until operated device is returned to normal and control panel is manually reset. When used for sprinkler flow, "SIGNAL SILENCE" switch may be bypassed, if required by AHJ.
- 8. Electrically Supervised:
  - a. Each SLC and NAC circuit shall be electrically supervised for opens, shorts, and ground faults. Occurrence of fault shall activate system trouble circuitry, but shall not interfere with proper operation of other circuits.
  - b. Yellow "SYSTEM TROUBLE" LEDs shall light and system audible sounder shall steadily sound when trouble is detected in system. Failure of power, open or short circuits on SLC or NAC circuits, disarrangement in system wiring, failure of microprocessor or any identification module, or system ground faults shall activate this trouble circuit. Trouble signal shall be acknowledged by operating "TROUBLE ACKNOWLEDGE" switch. This shall silence sounder. If subsequent trouble conditions occur, trouble circuitry shall resound. During alarm, all trouble signals shall be suppressed with exception of lighting yellow "SYSTEM TROUBLE" LEDs.
- 9. Drift Compensation Analog Smoke Sensors: System software shall automatically adjust each analog smoke sensor approximately once each week for changes in sensitivity due to effects of component aging or environment, including dust. Each sensor shall maintain its actual sensitivity under adverse conditions to respond to alarm conditions while ignoring factors which generally contribute to nuisance alarms. System trouble circuitry shall activate, display units that requires maintenance.
- 10. Analog Smoke Sensor Test: System software shall automatically test each analog smoke sensor a minimum of 3 times daily. Test shall be recognized functional test of each photocell (analog photoelectric sensors) and ionization chamber (analog ionization sensors) as required annually by NFPA 72. Failure of sensor shall activate system trouble circuitry, display "Test Failed" indication, and identify individual device that failed.
- 11. Off-Premises Connection:

- a. Fire Alarm System: Connect via Digital Alarm Communicator Transmitter (DACT) and telephone lines to central station or remote station. Panel shall contain disconnect switch to allow testing of system without notifying fire department.
- 12. Central Station Option: Fire alarm control panel shall provide Digital Alarm Communicator Transmitter (DACT) for signaling to central station. DACT shall contain "Dialer-Runaway" feature preventing unnecessary transmissions as result of intermittent faults in system and shall be Carrier Access Code (CAC) compliant, accepting up to 20-digit central station telephone numbers. Fire department shall be consulted as to authorized central station companies serving municipality. Fire alarm system shall transmit both alarm and trouble signals, with alarm having priority over trouble signal. Contractor shall be responsible for all installation charges and Owner will be responsible for line lease charges.
- 13. Network Annunciator Option: Each ILI-MB-E3 and associated display shall provide option of being configured as network annunciator. Options for annunciation shall default as regional annunciator with capability of selecting global annunciation to provide system-wide protection and Acknowledge, Silence, and Reset capabilities.
- 14. Redundant History Log: Each ILI-MB-E3 shall contain full 4100 event history log supporting local and network functions. If a main processor or network node is lost the entire log shall be accessible at any other Loop Interface board. This shall be demonstrated by removing power from Command Center followed by extraction of history log from any loop driver location, including Command Center or Transponder.
- 15. LEDs Indicator and Outputs: Each ILI-MB-E3 Loop Interface shall incorporate as a minimum the following diagnostic LED indicators:
  - a. Power: Green.
  - b. Alarm: Red.
  - c. Supervisory: Yellow.
  - d. General Trouble: Yellow.
  - e. Ground Fault: Yellow.
  - f. Transmit: Green.
  - g. Receive: Green.
- 16. Auxiliary Power Outputs: Each ILI-MB-E3 Loop Interface shall provide the following supply outputs:
  - a. 24 VDC non-resettable, 1 amp. maximum, power limited.
  - b. 24 VDC resettable, 1 amp. maximum, power limited.
- 17. Microprocessor: Loop interface shall incorporate 32-bit RISC processor. Isolated "watchdog" circuit shall monitor microprocessor and upon failure shall activate system trouble circuits on display. Microprocessor shall access system program for all control-by-event (CBE) functions. System program shall not be lost upon failure of both primary and secondary power. Programming shall support Boolean logic including AND, OR, NOT, TIME DELAY functions for maximum flexibility.
- 18. Auto Programming: System shall provide for all SLC devices on any SLC loop to be pre-programmed into system. Upon activation of auto programming, only devices that are present shall activate. This allows for system to be commissioned in phases without need of additional downloads.
- 19. Environmental Drift Compensation: System shall provide for setting Environmental Drift Compensation by device. When detector accumulates dust in chamber and reaches unacceptable level but yet still below allowed limit, control panel shall indicate maintenance alert warning. When detector accumulates dust in chamber above allowed limit, control panel shall indicate maintenance urgent warning.

- 20. NON-FIRE Alarm Module Reporting: Non-reporting type ID shall be available for use for energy management or other non-fire situations. NON-FIRE point operation shall not affect control panel operation nor shall it display message at panel LDC. Activation of NON-FIRE point shall activate control by event logic, but shall not cause indication on control panel.
- 21. 1-Man Walk Test:
  - a. System shall provide both basic and advanced walk test for testing entire fire alarm system. Basic walk test shall allow single operator to run audible tests on panel. All logic equation automation shall be suspended during test and while annunciators can be enabled for test, all shall default to disabled state. During advanced walk test, field-supplied output point programming shall react to input stimuli, such as CBE and logic equations. When points are activated in advanced test mode, each initiating event shall latch input. Advanced test shall be audible and shall be used for pull station verification, magnet activated tests on input devices, input and output device, and wiring operation/verification.
  - b. Test feature is intended to provide for certain random spot testing of system and is not intended to comply with requirements of testing fire alarm systems in accordance with NFPA 72, as it is impossible to test all functions and verify items such as annunciation with only 1 person.
- 22. Signaling Line Circuits: Each ILI-MB-E3 module shall provide communication with analog/addressable (initiation/control) devices via 2 signaling line circuits. Each signaling line circuit shall be capable of being wired Class B, Style 4 or Class A, Style 6. Circuits shall be capable of operating in NFPA Style 7 configuration when equipped with isolator modules between each module type device and isolator sensor bases. Each circuit shall communicate with a maximum of 159 analog sensors and 159 addressable monitor/control devices. Unique 40-character identifier shall be available for each device. Devices shall be of the Velocity series with capability to poll 10 devices at a time with a maximum polling time of 2 seconds when both SLCs are fully loaded.
- 23. Notification Appliance Circuits: 2 independent NAC circuits shall be provided on ILI-MB, polarized and rated at 2 amperes DC per circuit, individually over current protected and supervised for opens, grounds, and short circuits. They shall be capable of being wired Class B, Style Y or Class A, Style Z.
- 24. Alarm Dry Contacts: Provide alarm dry contacts (Form C) rated 2 amps at 30 VDC (resistive) and transfer whenever system alarm occurs.
- 25. Supervisory Dry Contacts: Provide supervisory dry contacts (Form C) rated 2 amps at 30 VDC (resistive) and transfer whenever system supervisory condition occurs.
- 26. Trouble Dry Contacts: Provide trouble dry contacts (Form C) rated 2 amps at 30 VDC (resistive) and transfer whenever system trouble occurs.
- H. Auxiliary Switch Module (ASM-16):
  - 1. Each ASM-16 has 16 programmable push-button switches.
  - 2. Each push-button switch has 3 associated status LEDs (red, yellow, and green), configurable to indicate any combination of functions.
  - 3. Flexible switch configurations to allow auxiliary functions.
  - 4. An insertable label to identify function of each switch and LEDs combination.
  - 5. Provide capability to communicate with up to 16 ASM-16 modules locally, or up to 3,000 feet from the Control Panel

- I. Network Repeater Module RPT-E3:
  - 1. Intelligent Network Interface shall provide interconnection and protection of remote Control Panels. Repeater shall regenerate and condition token passing, 625 K baud signal between units. Repeater shall be available in wire, fiber, or wire/fiber configurations as determined by field conditions.
  - 2. Fiber configurations shall use "ST"-type connectors and be able to operate with up to 200-micron multi-mode fiber, but optimize for 62.5/125. Interface shall have jumper to allow selection of ground detection of wiring when used in wire mode. Interface shall have integral LEDs to display current status of board.
- J. Network Graphic Annunciator (NGA): Networked, 1/4 VGA, touch-screen annunciator with the following characteristics:
  - 1. Custom Graphics: Panel shall permit uploading of custom bit-mapped graphic to display screen. Graphic shall display when all systems are normal.
  - 2. Intuitive Functions: In alarm or trouble condition, annunciator shall display only information pertaining to event, including control switches.
    - a. Trouble Condition: Display shall indicate cause of trouble. Only controls available to operator shall be Acknowledge and Reset functions.
    - b. Alarm Condition: Display shall indicate cause of alarm. Only controls available to operator shall be Acknowledge, Silence, and Reset functions.

#### 2.4 SUPPLEMENTAL NOTIFICATION APPLIANCE CIRCUIT (HPF24)

- A. Supplemental Notification Appliance Circuit (HPF24) shall be either Model HPF24S6 or HPF24S8, as indicated on drawings, offering up to 6.0 amps (4.0 amps continuous) or 8.0 amps (6.0 amps continuous), respectively, of regulated 24-volt power. HPF24 shall include the following features:
  - 1. Integral Charger: Charge up to 18.0 amp-hour batteries and support 60-hour standby.
  - 2. 2 Input Triggers. Input trigger shall be Notification Appliance Circuit (from fire alarm control panel) or relay.
  - 3. Surface-mount back box.
  - 4. Ability to delay AC fail delay in accordance with applicable NFPA requirements.
  - 5. Power limited circuitry in accordance with applicable UL standards.
  - 6. Operates as sync follower or a sync generator

#### 2.5 SYSTEM PERIPHERALS

- A. Addressable Devices General:
  - 1. Provide address-setting means using rotary-decimal switches.
  - 2. Use simple to install and maintain decade-type (numbered 0 to 15) address switches by using standard screwdriver to rotate 2 dials on device to set address. Devices which use binary address set via dipswitch packages, handheld device programmer, or other special tools for setting device address shall not be acceptable.
  - 3. Detectors: Analog and addressable. Connect to fire alarm control panel's Signaling Line Circuits.
  - 4. Addressable Thermal and Smoke Detectors: Provide 2 status LEDs. Both LEDs shall flash under normal conditions, indicating detector is operational and in regular communication with control panel, and both LEDs shall be placed into steady illumination by control panel, indicating alarm condition has been detected. If

required, flashing mode operation of detector LEDs can be programmed off via fire control panel program.

- 5. Fire Alarm Control Panel: Permit detector sensitivity adjustment through field programming of system. Sensitivity can be automatically adjusted by panel on time-of-day basis.
- 6. Using software, detectors shall automatically compensate for dust accumulation and other slow environmental changes that may affect their performance. Detectors shall be listed by UL as meeting calibrated sensitivity test requirements of NFPA 72, Chapter 7.
- 7. Detectors shall be ceiling-mounted and shall include separate twist-lock base with tamper-proof feature.
- 8. Following bases and auxiliary functions shall be available:
  - a. Standard base with remote LED output.
  - b. Sounder base rated at 85 dBA minimum.
  - c. Form-C relay base rated 30 VDC, 2.0 A.
  - d. Isolator base.
- 9. Detectors shall provide test means whereby they will simulate alarm condition and report that condition to control panel. Such test shall be initiated at detector itself by activating magnetic switch or initiated remotely on command from control panel.
- 10. Detectors shall store internal identifying type code that control panel shall use to identify type of device (PHOTO, THERMAL).
- B. Addressable Manual Stations (MS-7AF):
  - 1. Manual Fire Alarm Stations: Non-code, non-break glass type, equipped with key lock so they may be tested without operating handle.
  - 2. Operated Station: Visually apparent, as operated, at a minimum distance of 100 feet (30.5 m) from front or side.
  - 3. Stations shall be designed so after actual activation, they cannot be restored to normal except by key reset.
  - 4. Manual stations shall be constructed of Lexan with clearly visible operating instructions provided on cover. The word FIRE shall appear on front of stations in raised letters, 1.75 inches (44 mm) or larger.
  - 5. Addressable manual stations shall, on command from control panel, send data to panel representing state of manual switch and addressable communication module status.
- C. Intelligent Thermal Detectors (ATD-L2F, ATD-HL2F): Intelligent addressable devices rated at 135 degrees F (58 degrees C) and 190 degrees F (73 degrees C), respectively. Connect via 2 wires to fire alarm control panel signaling line circuit.
- D. Intelligent Photoelectric Smoke Detectors (ASD-PL2F): Use photoelectric (lightscattering) principal to measure smoke density and shall, on command from control panel, send data to panel representing analog level of smoke density.
- E. Intelligent Duct Smoke Detectors (ADPF):
  - 1. In-Duct Smoke Detector Housing: Use on-board intelligent photoelectric detector, which provides continuous analog monitoring and alarm verification from panel.
  - 2. When sufficient smoke is sensed, alarm signal is initiated, and appropriate action taken to shut down or change over air handling systems to help prevent rapid distribution of toxic smoke and fire gases throughout areas served by duct system.

- 3. Duct Smoke Detectors Mounted Above Ceiling or Otherwise Obstructed from Normal View: Provide with remote alarm indicator.
- 4. Each Detector: Install in either supply side or return side duct in accordance with local mechanical code.
- F. Addressable Dry Contact Monitor Modules (AMM-2F):
  - 1. Provide to connect 1 supervised IDC zone of conventional alarm initiating devices (any N.O. dry contact device) to 1 of the fire alarm control panel SLCs.
  - 2. Mount in standard deep electrical box.
  - 3. IDC Zone: Suitable for Style B operation.
- G. Addressable Dry Contact Monitor Modules (AMM-4F):
  - 1. Provide to connect 1 supervised IDC zone of conventional alarm initiating devices (any N.O. dry contact device) to 1 of the fire alarm control panel SLCs.
  - 2. Mount in 4-inch (102-mm) square, 2-1/8-inch (54-mm) deep electrical box.
  - 3. IDC Zone: Suitable for Style D or Style B operation.
  - 4. LEDs: Flash under normal conditions, indicating monitor module is operational and in regular communication with control panel.
- H. Addressable Dry Contact Monitor Modules (AMM-2IF):
  - 1. Provide to connect 2 supervised IDC zones of conventional alarm initiating devices (any N.O. dry contact device) to 1 of the fire alarm control panel SLCs.
  - 2. Mount in 4-inch (101.6-mm) square, 2-1/8-inch (54-mm) deep electrical box.
  - 3. IDC Zones: Suitable for Style B operation.
  - 4. LEDs: Flash under normal conditions, indicating monitor module is operational and in regular communication with control panel.
- I. Addressable Dry Contact Monitor Modules (MMI-10F):
  - 1. Provide to connect 10 supervised Style B IDC zones or 5 supervised Style D IDC zones of conventional alarm initiating devices (any N.O. dry contact device) to 1 of the fire alarm control panel SLCs.
  - 2. Mount in factory-supplied MBB-2 or MBB-6 enclosure.
  - 3. LEDs: Flash under normal conditions, indicating monitor module is operational and in regular communication with control panel.
- J. 2-Wire Detector Monitor Modules (AMM-4SF):
  - 1. Provided to connect 1 supervised IDC zone of conventional 2-wire smoke detectors or alarm initiating devices (any N.O. dry contact device).
  - 2. Mount in 4-inch (101.6-mm) square, 2-1/8-inch (54-mm) deep electrical box or to optional surface-mounted back box.
  - 3. IDC Zone: Wired for Class A or B (Style D or Style B) operation.
  - 4. LEDs: Flash under normal conditions, indicating monitor module is operational and in regular communication with control panel.
- K. 2-Wire Detector Monitor Modules (MMI-6SF):
  - 1. Provided to connect 6 supervised Class B IDC zones of conventional 2-wire smoke detectors or alarm initiating devices (any N.O. dry contact device).
  - 2. Mount in factory-supplied MBB-2 or MBB-6 enclosure.
  - 3. LEDs: Flash under normal conditions, indicating monitor module is operational and in regular communication with control panel.

- L. Addressable Control Modules (AOM-2SF):
  - 1. Provide to supervise and control operation of 1 conventional NAC of compatible, 24-VDC powered, polarized audio/visual notification appliances or UL-listed polarized relays for fan shutdown and other auxiliary control functions.
  - 2. Mount in standard 4-inch (101.6-mm) square, 2-1/8-inch (54-mm) deep electrical box or to surface-mounted back box.
  - 3. Control Module NAC: Wire for Style Z or Style Y (Class A/B) with up to 1 amp of inductive signal or 2 amps of resistive signal operation. Relay coil shall be magnetically latched to reduce wiring connection requirements and to ensure 100 percent of all auxiliary relay or NACs shall be energized at same time on same pair of wires.
  - 4. Audio/Visual Power: Provide by separate supervised power circuit from main fire alarm control panel or from supervised, UL-listed remote power supply.
- M. Addressable Control Modules (MMO-6SF):
  - 1. Provide to supervise and control operation of 1 conventional NAC of compatible, 24-VDC powered, polarized audio/visual notification appliances or UL-listed polarized relays for fan shutdown and other auxiliary control functions.
  - 2. Mount in factory-supplied MBB-2 or MBB-6 enclosure.
  - 3. LEDs: Flash under normal conditions, indicating monitor module is operational and in regular communication with control panel.
  - 4. Control module NAC: Wire for Style Z or Style Y (Class A/B) with up to 1 amp of inductive signal or 2 amps of resistive signal operation. Relay coil shall be magnetically latched to reduce wiring connection requirements and to ensure 100 percent of all auxiliary relay or NACs shall be energized at same time on same pair of wires.
  - 5. Audio/Visual Power: Provide by separate supervised power circuit from main fire alarm control panel or from supervised, UL-listed remote power supply.
- N. Addressable Relay Modules (AOM-2RF):
  - Available for HVAC control and other building functions. Relay shall have 2 Form C sets of contacts that operate in tandem and are rated for a minimum of 2.0 amps resistive or 1.0 amps inductive. Relay coil shall be magnetically latched to reduce wiring connection requirements and to ensure 100 percent of all auxiliary relay or NACs shall be energized at same time on same pair of wires.
  - 2. Mount in standard 4-inch (101.6-mm) square, 2-1/8-inch (54-mm) deep electrical box or to surface-mounted back box.
- O. Addressable Relay Modules (MMO-6RF):
  - Available for HVAC control and other building functions. Relay shall be Form C and rated for a minimum of 2.0 amps resistive or 1.0 amps inductive. Relay coil shall be magnetically latched to reduce wiring connection requirements and to ensure 100 percent of all auxiliary relay or NACs shall be energized at same time on same pair of wires.
  - 2. Mount in factory-supplied MBB-2 or MBB-6 enclosure.
  - 3. LEDs: Flash under normal conditions, indicating monitor module is operational and in regular communication with control panel.
- P. Isolator Modules (M500X):
  - 1. Provide to automatically isolate wire-to-wire short circuits on SLC Class A or Class B branch. Isolator module shall limit number of modules or detectors that may be

rendered inoperative by short-circuit fault on SLC loop segment or branch. At least 1 isolator module shall be provided for each floor or protected zone of building. No more than 25 devices shall be connected to 1 isolator module.

- 2. If wire-to-wire short occurs, isolator module shall automatically open-circuit (disconnect) SLC. When short-circuit condition is corrected, isolator module shall automatically reconnect isolated section.
- 3. Does not require address-setting, and its operations shall be totally automatic. Not necessary to replace or reset isolator module after normal operation.
- 4. Mount in standard 4-inch (101.6-mm) deep electrical box or in surface-mounted back box.
- 5. Single LED: Flash to indicate isolator is operational and illuminate steadily to indicate short-circuit condition has been detected and isolated.
- Q. Addressable Projected Beam Detectors (ABD-2F):
  - 1. Single-ended, reflective design.
  - 2. Six user-selectable sensitivity levels.
  - 3. Operates in range from 16 feet to 328 feet.
  - 4. Temperature Range of Device: Minus 22 degrees F to 131 degrees F.
  - 5. Beam Detector: Automatic gain control to compensate for gradual signal deterioration from dirt accumulation on lenses.
  - 6. UL LIsted.
  - 7. Ability to be tested using calibrated test filters or magnet-activated remote test station.
- R. Sprinkler Waterflow Switches (provided and installed by the sprinkler contractor):
  - 1. Integral, mechanical, non-coded, non-accumulative retard type.
  - 2. Alarm transmission delay time conveniently adjustable from 0 to 60 seconds. Initial settings shall be 30 to 45 seconds.
  - 3. Single manufacturer and series.
  - 4. Where possible, locate waterflow switches a minimum of 1 foot from fitting which changes direction of flow and a minimum of 3 feet from valve.
  - 5. Waterflow switches shall be provided and connected under this section but installed by the mechanical contractor.
- S. Sprinkler and Standpipe Valve Supervisory Switches (provided and installed by the sprinkler contractor):
  - 1. Each sprinkler system water supply control valve riser, zone control valve, and standpipe system riser control valve shall be equipped with supervisory switch. Standpipe hose valves, test valves, and drain valves shall not be equipped with supervisory switches.
  - 2. PIV (Post Indicator Valve) or Main Gate Valves: Equip with supervisory switch.
  - 3. Mount not to interfere with normal operation of valve and adjust to operate within 2 revolutions toward closed position of valve control, or when stem has moved no more than one-fifth of distance from normal position.
  - 4. Contain in weatherproof aluminum housing, which shall provide 3/4-inch (19-mm) conduit entrance and incorporate necessary facilities for attachment to valves.
  - 5. Switch Housing Finish: Red baked enamel.
  - 6. Entire Installed Assembly: Tamper proof and arranged to cause switch operation if housing cover is removed or if unit is removed from mounting.
  - 7. Valve supervisory switches shall be provided and connected under this section and installed by mechanical contractor.

- T. Graphic Annunciator (Uses ANU-48 Serial Driver Board):
  - 1. Communicate to fire alarm control panel via EIA-485 (multi-drop) 2-wire communications loop. Up to 16 annunciator drivers, each configured up to 48 points, shall be connected per ILI-MB-E3.
  - 3. ANU-48: Provide interface to approved UL-listed graphic-style annunciator and provide each of the features specified.
- U. Remote LCD Display Annunciator:
  - 1. Furnish and install as indicated on the Drawings a remote serial annunciator, Model LCD-7100. Annunciator shall provide 80-character display, which shall duplicate all information on basic system display, including any network nodes its host panel is annunciating, with exception of menus. Contain the following function keys:
    - a. Alarm Acknowledge.
    - b. Trouble Acknowledge.
    - c. Signal Silence.
    - d. System Reset/Lamp Test.
    - e. System Drill Test.
  - 2. Key Lock: Enable switches only when placed in "ON" position, with exception of Trouble Acknowledge, which is used to silence local trouble audible sounder. Annunciator shall contain the following LEDs:
    - a. Alarm.
    - b. Supervisory.
    - c. System Trouble.
    - d. Power Fault.
    - e. System Silenced.
  - 3. Mount on standard 3-gang surface or flush electrical box.
  - 4. Each ILI-MB-E3: Accommodate up to 5 remote LCD-7100 annunciators which shall be located up to 3,000 feet from control panel.
- V. Notification Appliances: Wheelock Exceeder Series, ET1010 Series
  - 1. Operate on 24 VDC
  - 2. Interior speakers shall have selectable output options of 1/8, 1/4, 1/2, 1, and 2 watts continuous power.
  - 3. Exterior speakers shall have additional selectable outputs of 4 and 8 watts.
  - 4. Strobe Maximum Pulse Duration: 0.2 second.
  - 5. Strobe Intensity: UL 1971.
  - 6. Flash Rate: UL 1971.
  - 7. Strobe Candela Rating: Determine by positioning selector switch on back of device.
- 2.6 WIRING
- A. Raceways:
  - 1. EMT: Allied Tube & Conduit "Fire Alarm Red" steel EMT conduit, or equivalent.
  - 2. Other raceways, junction boxes, etc.: Where fire alarm raceway is not buried underground, it shall be painted red.
- B. Cables & Conductors:
  - 1. Optical Fiber Network Cable: 6-Strand Cable, as per data specification.

- 2. Signaling Line Circuit Cable:
  - a. OSP: West Penn #AQ225 (Black Jacket)
  - b. ISP: West Penn #D980 (Red Jacket)
- 3. Notification Appliance Circuit Cable:
  - a. OSP: West Penn #AQ227 (Black Jacket)
  - b. ISP: West Penn #974 (Red Jacket)
- 4. Voice Evacuation Speaker Cable: As per notification appliance manufacturer.

#### PART 3 – EXECUTION

- 3.1 EXAMINATION
  - A. Examine areas and surfaces to receive fire alarm system.
    - 1. Notify Architect of conditions that would adversely affect installation or subsequent use.
    - 2. Do not begin installation until unacceptable conditions are corrected.
- 3.2 INSTALLATION
  - A. Install fire alarm system in accordance with NFPA 72, NFPA 70, state and local codes, manufacturer's instructions, and as indicated on the Drawings.
  - B. Smoke detectors shall neither be installed within 36 inches of any HVAC supply or return air grille, to include air handling light fixtures, nor within 12 inches of any wall.
  - C. Smoke detectors shall not be installed before system programming and test period. If construction is ongoing during this period, take measures to protect smoke detectors from contamination and physical damage.
  - D. Wall mounted notification appliances shall be installed not lower than 80 inches and not higher than 96 inches, above finished floor. Devices shall be not be mounted within 6 inches of the ceiling.
  - E. All fire alarm devices shall be accessible for periodic maintenance. Should a device location indicated in the Contract Documents not meet this requirement, it shall be the responsibility of the Contractor to bring it, in writing, to the attention of the Engineer.
  - F. Flush-mount fire detection and alarm system devices, control panels, and remote annunciators in finished areas. Flush-mount or surface-mount fire detection and alarm system devices, control panels, and remote annunciators in unfinished areas.
  - G. Ensure manual stations are suitable for surface mounting or semi-flush mounting as indicated on the Drawings. Install stations at 48 inches above finished floor, measured to operating handle.
  - H. End of Line Resistors shall be furnished as required by the manufacturer. Devices containing end-of-line resistors shall be appropriately labeled so as not to require removal to identify the EOL device.

- Addressable modules shall be mounted within 36 inches of the monitored or controlled point of termination. This shall include, but is not necessarily limited to, fan shutdown, elevator recall, shunt trip, sprinkler status points, or door release. Label all addressable modules as "FIRE ALARM SYSTEM" and to their function, e.g., "FAN F-1 SHUTDOWN".
- J. Conduit/Raceways, Junction Boxes:
  - 1. All systems and system components listed to UL864 Control Units for Fire Protective Signaling Systems maybe installed within a common conduit raceway system, in accordance with the manufacture's recommendations. System(s) or system components not listed to the UL864 standard shall utilize a separate conduit raceway system for each of the sub-systems.
  - 2. The fire alarm system cabling / wiring shall be installed in RED color conduit, minimum size 3/4". In upgrade projects, existing fire alarm system conduit may be reused, if serviceable. Paint existing conduits red to match new.
  - 2. All junction box covers shall be painted red.
  - 2. Minimum conduit size shall be 3/4" trade size.
  - 3. Conceal conduit, junction boxes, and conduit supports and hangers in finished areas. Conceal or expose conduit, junction boxes, and conduit supports and hangers in unfinished areas. Concealed installation is preferred wherever possible.
- K. Cables & Conductors:
  - 1. Cables & conductors shall be labeled at both ends as to their origin and destination; e.g. "FACP i1-1" indicates the origin as the FACP and the destination as initiation device "i1-1". Utilize Panduit labels (or equivalent), size MP-150c through MP-350, as required by the amount of information on the label.
  - 2. Splices in wiring are permitted only at terminal cabinets, or locations specifically approved by the Engineer. Do not splice in conduit, pull boxes, inaccessible locations, etc.
- L. Terminal Cabinets:
  - 1. Wiring shall be neatly bundled, fanned, tagged, and laced. Leave minimum three inches fan space between terminal block connection and vertical wiring. Incoming wiring shall terminate on the left, outgoing on the right.
  - 2. Wire terminations at devices and terminal strips shall be "spade" type terminal connections, Sta-Kon, or equivalent.
  - 3. Terminal barrier strips shall be Cinch 142 series (or equivalent) with minimum six points. Leave minimum two space separation between types of system cables. Provide minimum four spare termination points.
- M. Coordinate the required space in the Data equipment frames with this and other network based systems. Provide racks with sufficient space to accommodate all systems.
- 3.3 SYSTEM UPGRADES
  - A. When upgrading an existing system, the existing fire alarm shall be tested in the presence of an assigned representative of Central Unified School District prior to any work being started by a contractor. Upon completion of testing, it shall be the contractor's responsibility to note any discrepancy with the existing system. It will be contractor's responsibility to provide and complete a working system, minus any discrepancies noted.
- B. When upgrading an existing system, all end of line resistors shall be changed out to meet the manufacturer's specifications for each fire panel. Install the latest software updates on existing equipment to be reused.
- C. When specifications call for the removal of existing equipment, that equipment shall be returned to the District.
- 3.4 FIELD QUALITY CONTROL
  - A. Manufacturer's Field Services: Provide service of competent, factory-trained technician authorized by manufacturer to technically supervise and participate during pre-testing and acceptance testing of system.
  - B. Testing:
    - Conduct complete visual inspection of control panel connections and test wiring for short circuits, ground faults, continuity, and insulation before energizing cables and wires.
    - 2. Close each sprinkler system control valve and verify proper supervisory alarm at Control Panel.
    - 3. Verify activation of flow switches.
    - 4. Open initiating device circuits and verify that trouble signal actuates.
    - 5. Open signaling line circuits and verify that trouble signal actuates.
    - 6. Open and short notification appliance circuits and verify that trouble signal actuates.
    - 7. Ground initiating device circuits and verify response of trouble signals.
    - 8. Ground signaling line circuits and verify response of trouble signals.
    - 9. Ground notification appliance circuits and verify response of trouble signals.
    - 10. Check installation, supervision, and operation of intelligent smoke detectors.
    - 11. Introduce on system each of the alarm conditions that system is required to detect. Verify proper receipt and proper processing of signal at Control Panel and correct activation of control points.
    - 12. Consult manufacturer's manual to determine proper testing procedures when system is equipped with optional features. This is intended to address such items as verifying controls performed by individually addressed or grouped devices, sensitivity monitoring, verification functionality, and similar.
  - C. Acceptance Testing:
    - 1. The contractor's job foreman and an assistant, in the presence of a representative of the manufacturer, an assigned representative of Central Unified School District, and the assigned inspector of the AHJ, shall perform a test of the system. All attending personnel shall be given reasonable notice so as to make themselves available for the test.
    - 2. Operate every installed device to verify proper operation and correct annunciation at the control panel.
    - 2. Open signaling line circuits and notification appliance circuits in at least 2 locations to verify presence of supervision.
    - 3. Completely disconnect main Control Panel from rest of network. Activate initiating device. All control outputs supported by transponder SLC circuits shall operate under project programming mode. Default or degrade mode programming shall not be acceptable.
    - 4. Complete any additional testing required by the AHJ.

- 5. When testing has been completed to satisfaction of both Contractor's job foreman, representatives of the manufacturer and Owner, and the inspector of the AHJ, a notarized letter co-signed by each attesting to satisfactory completion of said testing shall be forwarded to the Owner and fire department.
- 6. Leave fire alarm system in proper working order and, without additional expense to Owner, replace defective materials and equipment provided within 1 year (365 days) from date of final acceptance by the owner.
- 3.5 DEMONSTRATION
  - A. Provide instruction as required for operating fire alarm system.
  - B. Provide hands-on demonstrations of operation of fire alarm system components and functions.

#### END OF SECTION

#### **IINTERIOR PRODUCT SOLUTIONS**

## CORNER GUARDS | SPECIFICATION

| CS Acrovyn 4000 Models

Suggested Specifications | Section 10 26 00 Models: SM-20N, SM-20AN and SM-20MN

## Part 1 - General

## 1.01 Summary

- A. This section includes the following types of wall protection systems:
  - 1. Corner Guards
- B. Related sections: The following sections contain requirements related to this section:
  - 1. Handrails, Bumper Guards, Crash Rails, Accent Rails, Wall Covering, Wall Panels, Door Protection; refer to section 10 26 00 "Wall and Door Protection"

2

AD 2-06a S&B Elementary

02-116800

2. Blocking in walls for fasteners; refer to section 09 22 00 "Supports for Plaster and Gypsum Board"

## 1.02References

- A. National codes (IBC, UBC, SBCCI, BOCA and Life Safety)
- B. American Society for Testing and Materials (ASTM)
- C. Underwriters Laboratories (UL)
- D. California 01350 specification

## 1.03Submittals

General: Submit the following in accordance with conditions of contract and Division 1 specification section 01 33 00 "Submittal Procedures":

- A. Product data and detailed specifications for each system component and installation accessory required, including installation methods for each type of substrate.
- **B.** Shop drawings showing locations, extent and installation details of corner guards. Show methods of attachment to adjoining construction.
- **C.** Samples for verification purposes: Submit the following samples, as proposed for this work, for verification of color, texture, pattern and end cap attachment and alignment:
  - 1. 12" (304.8mm) long sample of each model specified including end cap.
- **D.** Product test reports from a qualified independent testing laboratory showing compliance of each component with requirements indicated.
- E. Maintenance data for wall protection system components for inclusion in the operating and maintenance manuals specified in Division 1.

## 1.04Quality Assurance

- A. Installer qualifications: Engage an installer who has no less than 3 years' experience in installation of systems similar in complexity to those required for this project.
- **B.** Manufacturer's qualifications: Not less than 5 years' experience in the production of specified products and a record of successful in-service performance.
- **C.** Code compliance: Assemblies should conform to all applicable codes including IBC, UBC, SBCCI, BOCA, Life Safety and CA 01350.



## CORNER GUARDS | SPECIFICATION

- D. Fire performance characteristics: Provide engineered PVC FREE wall protection system components with UL label indicating that they are identical to those tested in accordance with ASTM E84 for Class A/1 characteristics listed below:
  - 1. Flame spread: 25 or less
  - 2. Smoke developed: 450 or less
- **B.** Impact strength: Provide wall protection components that have been tested for impact using a ramtype impact test in accordance with the applicable provisions of ASTM F476 -84.
- E. Chemical and stain resistance: Provide wall protection system components with chemical and stain resistance in accordance with ASTM D543.
- F. Color match: Provide wall protection components that are color matched in accordance with the following:
  - 1. Delta Ecmc of no greater than 1.0 using CIELab color space. (Specifier note: Construction Specialties' colors are matched under cool white fluorescent lighting and computer controlled within manufacturing tolerances. Color may vary if alternate lighting sources are present.)
- **G.** Single source responsibility: Provide all components of the wall protection system manufactured by the same company to ensure compatibility of color, texture, and physical properties.

## 1.05Delivery, Storage and Handling

- A. Deliver materials to the project site in unopened original factory packaging clearly labeled to show manufacturer.
- **B.** Store materials in original, undamaged packaging in a cool, dry place out of direct sunlight and exposure to the elements. A minimum room temperature of 40°F (4°C) and a maximum of 100°F (38°C) should be maintained.
- C. Material must be stored flat.

## 1.06Project Conditions

- A. Materials must be acclimated in an environment of 65°-75°F (18°-24°C) for at least 24 hours prior to beginning the installation.
- B. Installation areas must be enclosed and weatherproofed before installation commences.

## 1.07Warranty

## A. Acrovyn 5-year Limited Warranty

- Applies to Interior Wall Protection orders that <u>do not</u> include recommended components or accessories
  - o Assemblies = Brackets, Hardware
  - Accessories = Primer, Adhesive, Caulk, Trims & Moldings

## B. Limited Lifetime Systems Warranty

- Applies to CS Interior Wall Protection projects that include all recommended components and accessories related to CS Interior Wall Protection Products.
  - o Assemblies = Brackets, Hardware
  - o Accessories = Primer, Adhesive, Caulk, Trims & Moldings

## Part 2 - Products



## CORNER GUARDS | SPECIFICATION

#### 2.01Manufacturers

- A. Construction Specialties, 3 Werner Way, Lebanon, NJ 08833 USA 800-233-8493; email: <u>cet@c-sgroup.com</u>
- **B.** Drawings and specifications are based on manufacturer's literature from Construction Specialties, Inc. drawings and specifications unless otherwise indicated. Other manufacturers must be approved equal by Architect/Owner.

## 2.02 Materials

- A. Engineered PVC FREE: Extruded material should be high-impact Acrovyn 4000 with Shadowgrain texture, nominal .078" (1.98mm) thickness. Chemical and stain resistance should be per ASTM D543 standards as established by the manufacturer. Colors to be indicated in the finish schedule from one of manufacturer's available colors and patterns.
- B. Regrind PVC FREE: PVC-free regrind retainer for model SM-20N.
- C. Aluminum: Extruded aluminum retainers should be 6063-T6 alloy, nominal .062" (1.57mm) thickness for models SM-20AN and SM-20MN. Minimum strength and durability properties as specified in ASTM B221.
- **D.** Fasteners: All fasteners to be non-corrosive and compatible with aluminum retainers. All necessary fasteners to be supplied by the manufacturer.

## 2.03 Corner Guards

- A. Engineered PVC FREE Corner Guards to be CS Acrovyn: Surface mounted guards consisting of continuous retainer with snap-on Acrovyn 4000 cover. Color matched end caps to be provided for both partial and full height applications. Attachment hardware shall be appropriate for wall construction.
  - 1. Model SM-20N 90° surface mounted corner guard with 3" (76.1mm) legs, 1/4" (6.4mm) radius cover and regrind PVC FREE retainer. Specify SM-20AN for continuous aluminum retainer or SM-20MN for odd degree corners. Select from one of Acrovyn™ solid colors, Acrovyn ™ Woodgrains or Acrovyn™ Brushed Metals simulated patterns. Optional horizontal accent reveal available in Black only (90° only). [Specifier note: refer to the Acrovyn Cradle to Cradle Product Summary at <u>www.acrovyn.com/c2c</u> to determine which colors and patterns are *Cradle to Cradle Certified*™ Gold or Silver (exception: optional horizontal accent reveal). *Cradle to Cradle Certified*™ is a certification mark licensed by the Cradle to Cradle Products Innovation Institute.]

## 2.04 Fabrication

A. General: Fabricate wall protection systems to comply with requirements indicated for design, dimensions, detail, finish and member sizes.

## Part 3 - Execution

## 3.01 Examination

- **A.** Verification of conditions: Examine areas and conditions under which work is to be performed and identify conditions detrimental to proper or timely completion.
  - 1. Do not proceed until unsatisfactory conditions have been corrected.

## 3.02 Preparation



## CORNER GUARDS | SPECIFICATION

- **A.** Surface preparation: Prior to installation, clean substrate to remove dirt, debris and loose particles. Perform additional preparation procedures as required by manufacturer's instructions.
- **B.** Protection: Take all necessary steps to prevent damage to material during installation as required in manufacturer's installation instructions.

## 3.03 Installation

- A. Install the work of this section in strict accordance with the manufacturer's recommendations, using only approved mounting hardware and locating all components firmly into position, level and plumb.
- **B.** Temperature at the time of installation must be between 65°-75°F (18°-24°C) and be maintained for at least 48 hours after the installation.
- C. Adjust installed end caps as necessary to ensure tight seams.

## 3.04 Cleaning

- A. General: Immediately upon completion of installation, clean material in accordance with manufacturer's recommended cleaning method.
- **B.** Remove surplus materials, rubbish and debris resulting from installation as work progresses and upon completion of work.

## 3.05 Protection

A. Protect installed materials to prevent damage by other trades. Use materials that may be easily removed without leaving residue or permanent stains.







1.1 SUMMARY

EDIT ITEMS NOT INCLUDED IN THIS PROJECT

- A. Section Includes:
  - 1. Resilient cork/linoleum tackable wallcovering.
  - Accessories.
- B. Related Divisions:
  - 1. Division 09 91 23
  - 2. Division 09 72 16.13
  - 3. Division 10 11 00
- 1.2 SUBMITTALS
  - A. Comply with Division 01 33 00.
  - B. Product data indicating compliance with specified requirements.
  - C. Installation Instructions.
  - D. Samples: 7 inch (18 centimeter) by 9 inch (23 centimeter) samples of each type of tackable wallcovering material required.

Interior Painting: Priming for wallcoverings.

Visual Display Surfaces: Tackboards.

Flexible Vinyl Wallcoverings.

#### 1.3 QUALITY ASSURANCE

- A. Surface Burning Characteristics Classification: Provide materials that meet classification ratings below:
  - ASTM E84 (Flame Spread and Smoke Developed) II/B
- B. Single Source Responsibility: Obtain tackable wallcovering system components from a single source.

DELETE PARAGRAPHS C AND D BELOW IF DIVISION 01 REQUIREMENTS SATISFY PROJECT REQUIREMENTS.

- C. Deliver materials in original factory packaging, labeled with manufacturer, brand name, size, color, and lot number.
- D. Store materials in original, undamaged packaging inside a well-ventilated area protected from weather, moisture, soiling, and extreme temperatures.
  - Maintain room temperature within the storage area at not less than 68 degrees Fahrenheit (20 degrees Celsius) during the period materials are stored.
- E. Mock-ups: Prepare mock-ups for architect's review and to establish requirements for seaming and finish trim.
  - 1. Correct areas, modify method of application/installation, or adjust finish texture as directed by architect to comply with specified requirements.
  - 2. Maintain mock-ups accessible to serve as a standard of quality.
  - 3. Install sample panel of each type of wallcovering specified.
  - 4. Install panels in areas designated by architect.



It's OK to Share



#### 1.4 **PROJECT CONDITIONS**

Maintain ambient temperature within the building at not less than 68 degrees Fahrenheit (20 degrees Celsius) for a minimum of seventy-two hours prior to beginning of installation.

- 1. Do not install tackable wallcovering until the space is enclosed and weatherproof.
- 2. Do not install tackable wallcovering until temperature is stabilized and permanent lighting is in place.

#### 1.5 MAINTENANCE

Maintenance Instructions: Include precautions against cleaning materials and methods that may be detrimental to finishes and performance.

#### 1.6 WARRANTY

Submit manufacturer's limited five-year written warranty against manufacturing defects.

#### PART 2 - PRODUCTS

#### 2.1 PRODUCTS

**Tac-Wall**<sup>®</sup> resilient, tackable, linoleum surface material. Width: 48 inch (122 centimeter) or 72 inch (183 centimeter) suntan, quarry and acorn are the only colors available in 72 inch. Gauge: 1/4 inch (6 millimeter). Approximately 95 lineal feet (29.1 meter) rolls. Flexible enough to bend around a 2-3/4 inch (7 centimeter) radius. Dimensionally stable due to burlap backing.

**Walltalkers**<sup>®</sup> **Tac-Wall**<sup>®</sup>: Uni-color resilient homogeneous tackable linoleum surface consisting of linseed oil, granulated cork, rosin binders, and dry pigments calendered onto natural burlap backing. Color shall extend through thickness of material.

#### 2.2 ACCESSORIES

- A. Adhesive: Solvent-free, SBR type linoleum adhesive (L-910W) or polyvinyl acetate dispersion type (contact adhesive) when used in a press.
- B. Color matched caulk:
  - 1. C100-04: Acrylic caulk stone.
  - 2. C100-06: Acrylic caulk harbor.
  - 3. C100-07: Acrylic caulk aztec.
  - 4. C100-08: Acrylic caulk earthen.
  - 5. C100-09: Acrylic caulk onyx.
  - 6. C100-10: Acrylic caulk gypsy.
  - 7. C100-11: Acrylic caulk cayenne.
  - 8. C100-12: Acrylic caulk citrine.
  - 9. C100-13: Acrylic caulk botanical.
  - 10. C100-14: Acrylic caulk deep sea.
  - 11. C100-62: Acrylic caulk pewter.
  - 12. C100-66: Acrylic caulk suntan.
  - 13. C100-82: Acrylic caulk quarry
  - 14. C100-86: Acrylic caulk acorn
  - 15. C100-87: Acrylic caulk sandalwood



- C. Colonial **Tac-Wall** Wood Trim: Provide wood trim in random lengths of 8 foot (244 centimeter) to 12 foot (366 centimeter).
  - 1. WTWC-M0: Colonial **Tac-Wall** maple wood trim, unfinished.
  - WTWC-M1: Colonial **Tac-Wall** maple wood trim, clear coat.
  - 3. WTWC-M2: Colonial **Tac-Wall** maple wood trim, red oak stain.
  - 4. WTWC-M3: Colonial **Tac-Wall** maple wood trim, cherry stain
  - 5. WTWC-MZ: Colonial **Tac-Wall** maple wood trim, specify custom stain.
  - 6. WTWC-R0: Colonial **Tac-Wall** oak wood trim, unfinished.
  - 7. WTWC-R1: Colonial **Tac-Wall** oak wood trim, clear coat.
  - 8. WTWC-R2: Colonial **Tac-Wall** oak wood trim, red oak stain.
  - 9. WTWC-R3: Colonial **Tac-Wall** oak wood trim, cherry stain.
  - 10. WTWC-RZ: Colonial **Tac-Wall** oak wood trim, specify custom stain.
- D. J-Trim for Tac-Wall
  - JT12-00: Clear satin, anodized aluminum, 1/4 inch (6 millimeter) trim (old: JTRM-00).

#### PART 3 - EXECUTION

#### 3.1 EXAMINATION

Examine areas and conditions in which tackable wallcoverings will be installed.

- 1. Complete finishing operations, including painting, before beginning installation of tackable wallcovering materials.
- 2. Wall surfaces to receive wallcovering materials shall be dry and free from dirt, grease, loose paint, and scale.
- 3. Notify the contractor and architect in writing of any conditions detrimental to the proper and timely completion of the installation.
- 4. Beginning of installation means acceptance of surface conditions.

#### 3.2 **PREPARATION**

Surface Preparation: Remove hardware, accessories, plates, and similar items to allow tackable wallcovering to be installed.

- 1. Plaster surface: Remove surface chalk. In new work, use moisture meter to determine moisture content. Do not begin installation when moisture content is greater than five percent.
- 2. Gypsum board surface: Recess nails and screws. Repair irregular tape joints, sand and remove dust.
- 3. Painted surface: Remove loose paint or scale. Sand surface of enamelor gloss paint and wipe clean with damp cloth.
- 4. Ensure wall surfaces scheduled to receive tackable wallcovering are properly sealed with a quality primer specified for use under flexible vinyl wallcoverings.

#### 3.3 APPLICATION

- A. Comply with manufacturer's printed installation instructions.
- B. Cut sheets to size including a few inches of overage. Allow sheets to lay flat for at least twenty-four hours prior to the application. Mark roll direction and sequence on the backside of each sheet. Hang sheets in sequence as cut from the roll, do not reverse sheets.
- C. Permanent HVAC system should be set to 68 degrees Fahrenheit (20 degrees Celsius) for at least seventy-two hours prior to, during, and after the installation.
- D. Back roll each sheet prior to the installation to release curl memory.



- E. For seamed applications, using a seam and strip cutter remove the factory edge of one sheet. Using the same tool, overlap and trace cut the mating edge of the second sheet. Repeat this step for as many sheets as required for the job.
- F. Scribe, cut, and fit material to butt tightly to adjacent surfaces, built-in casework, and permanent fixtures and pipes.
- G. Apply adhesive with a 1/16 inch square notch trowel to the area to receiving the sheet (apply enough for one sheet at a time).
- H. Work from top to bottom then side to side. Roll sheet firmly into adhesive for positive contact and to remove air bubbles.
- I. Remove adhesive residue immediately after each panel is hung with a mild soap/water solution and a soft cloth/sponge.

JOINTS MAY BE BUTTED, V-GROOVED, SPACED WITH REVEAL, OR JOINED WITH DECORATIVE T-MOLDING.

#### 3.4 CLEANING

- A. Clean wallcovering using a sponge with a neutral pH cleaning solution. Do not use abrasive cleaners. Rinse thoroughly with water and let dry before using.
- B. It is important to remove adhesive while wet.

#### 3.5 PROTECTION

Protect installed product and finish surfaces from damage during construction.

#### END OF SECTION

## proposed colors & pattern

SEE REMARK 13/A2.8 COLOR SCHEDULE FOR SIZING AND SPECIFIC LAYOUT.



















CASEWORK SYMBOL
HEIGHT MODIFIED 402 36 L WIDTH

1	١	
	) 	2x6 METAL STUDS AT 16" O.C. w/R-19 INSULATION <u>EXT SIDE:</u> CEMENT PLASTER o/ PAPER BACKED WIRE LATH o/ 1/2" DENS. GLAS GOLD INTERIOR SIDE: SEE FINISH SCHEDULE
		2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION - SEE FINISH SCHEDULE
!		2x6 METAL STUDS AT 16° O.C. 42° HIGH w/ PAINTED WOOD CAP – SEE FINISH SCHEDULE
	)	2x4 METAL STUDS AT 16" O.C. – SEE FINISH SCHEDULE
ן \		1-HR WALL: 2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION - PROVIDE 5/8" TYPE 'X' GYP. BD. EACH SIDE (UL #U419) SEE DETAIL 102/A8.6
].	)	DOUBLE 2x4 18 GA METAL STUDS AT 16" O.C. SEE FINISH SCHEDULE
$\backslash$		20" DIA. CONCRETE COLUMN, SEE DETAIL 60/A8.3
		8" x 8" x 16" CMU WALL - SEE DETAIL 51/A8.3

# **ISINPBK**

## PROJECT SHIELDS & BRAWLEY ELEMENTARY SCHOOL



## AD 2-08a **S&B** Elementary 02-116800





HE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESI COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY. THE THIRD PART SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECT'S LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

REVISIONS

No.	DATE	DESCRIPTION
$\mathbb{A}$	2.14.23	DISTRICT MODIFICATIONS
$\triangle$	2.27.23	DISTRICT MODIFICATIONS







	2x6 METAL STUDS AT 16" O.C. w/R-19 INSULATION <u>EXT SIDE:</u> CEMENT PLASTER o/ PAPER BACKED WIRE LATH o/ 1/2" DENS. GLAS GOLD <u>INTERIOR SIDE:</u> SEE FINISH SCHEDULE
	2x6 METAL STUDS AT 16° O.C. w/ SOUND BATT INSULATION – SEE FINISH SCHEDULE
	2x6 METAL STUDS AT 16" O.C. 42" HIGH w/ PAINTED WOOD CAP – SEE FINISH SCHEDULE
	2x4 METAL STUDS AT 16" O.C SEE FINISH SCHEDULE
	1-HR WALL: 2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION – PROVIDE 5/8" TYPE X'GYP. BD. EACH SIDE (UL #U419) SEE DETAIL 102/A8.6
	DOUBLE 2x4 18 GA METAL STUDS AT 16" O.C. SEE FINISH SCHEDULE
	20" DIA. CONCRETE COLUMN, SEE DETAIL 60/A8.3
NOTE: SEE 9	8" x 8" x 16" CMU WALL - SEE DETAIL 51/A8.3 STRUCT. FOR METAL STUD SIZES AND CONNECTIONS
KEY PLA	۸N

# **ESINPRK**

90 NORTH PALM AVEN

## PROJECT SHIELDS & BRAWLEY ELEMENTARY SCHOOL



## AD 2-09a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885



THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESI COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PL THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OF MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN TH EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PART SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITE LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

-	DATE	ISSUED FOR

## REVISIONS

	No.	DATE	DESCRIPTION
	$\triangle$	2.14.23	DISTRICT MODIFICATIONS
	$\triangle$	2.27.23	DISTRICT MODIFICATIONS
-			
-			





## $\bigcirc$ Keynotes

![](_page_49_Figure_29.jpeg)

<u>\$}}}}</u>	2x6 METAL STUDS AT 16" O.C. w/R-19 INSULATION <u>EXT SIDE:</u> CEMENT PLASTER o/ PAPER BACKED WIRE LATH o/ 1/2" DENS. GLAS GOLD <u>INTERIOR SIDE:</u> SEE FINISH SCHEDULE
1	2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION - SEE FINISH SCHEDULE
	2x6 METAL STUDS AT 16° O.C. 42″ HIGH w/ PAINTED WOOD CAP – SEE FINISH SCHEDULE
<u></u>	2x4 METAL STUDS AT 16" O.C SEE FINISH SCHEDULE
	1-HR WALL: 2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION - PROVIDE 5/8" TYPE 'X' GYP. BD. EACH SIDE (UL #U419) SEE DETAIL 102/A8.6
	DOUBLE 2x4 18 GA METAL STUDS AT 16" O.C. SEE FINISH SCHEDULE
	20° DIA. CONCRETE COLUMN, SEE DETAIL 60/A8.3
	8" × 8" × 16" CMU WALL - SEE DETAIL 51/A8.3
NOTE: SEE S	TRUCT. FOR METAL STUD SIZES AND CONNECTIONS

# **SINPBK**

## PROJECT SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_49_Picture_37.jpeg)

## AD 2-10a S&B Elementary 02-116800

![](_page_49_Picture_39.jpeg)

![](_page_49_Picture_40.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESE COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLAN THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN TH EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

REVISIONS

No.	DATE	DESCRIPTION
$\triangle$	2.14.23	DISTRICT MODIFICATIONS
$\triangle$	2.27.23	DISTRICT MODIFICATIONS

![](_page_49_Picture_46.jpeg)

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

![](_page_50_Figure_0.jpeg)

## ○ KEYNOTES

- 1. WALL CAP, SEE DETAIL 127/A8.7
- 2. ALUMINUM HANDRAIL 3. 7" RISERS AND 12" TREADS, SEE DETAIL 122/A8.7
- 4. RUBBER TOPSET BASE 5. 5/8" TYPE 'X' GYP. BD. o/ 6" MTL. STUDS AT 24" O.C.
- CONSTRUCT PER CBC TABLE 721.1 (1)
- 6. FRP BOARD
- 7. MOP SINK
- 8. 2" WARNING SAFETY STRIP OF CONTRASTING COLOR 9. METAL GUARDRAIL SYSTEM, SEE DTL. 124/A8.7 FOR ATTACHMENT
- 10. GYPSUM BOARD
- 11. DASHED LINE INDICATES 1-HR WALL/DOOR ASSEMBLY AT STORAGE ROOM 156, SEE FLOOR PLAN FOR CLARIFICATION
- 12. RUBBER FLOOR COVERING TO MATCH TREADS

## WALL LEGEND

 2x6 METAL STUDS AT 16" O.C. w/R-19 INSULATION <u>EXT SIDE:</u> CEMENT PLASTER o/ PAPER BACKED WIRE LATH o/ 1/2" DENS. GLAS GOLD INTERIOR SIDE: SEE FINISH SCHEDULE
2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION - SEE FINISH SCHEDULE
2x6 METAL STUDS AT 16" O.C. 42" HIGH w/ PAINTED WOOD CAP – SEE FINISH SCHEDULE
 2x4 METAL STUDS AT 16" O.C SEE FINISH SCHEDULE
1-HR WALL: 2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION - PROVIDE 5/8" TYPE X GYP. BD. EACH SIDE (UL #U419) SEE DETAIL 102/A8.6
 DOUBLE 2x4 18 GA METAL STUDS AT 16" O.C. SEE FINISH SCHEDULE
20" DIA. CONCRETE COLUMN, SEE DETAIL 60/A8.3
8" x 8" x 16" CMU WALL - SEE DETAIL 51/A8.3

NOTE: SEE STRUCT. FOR METAL STUD SIZES AND CONNECTIONS

KEY PLAN

![](_page_50_Figure_17.jpeg)

# **BINPBK**

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_50_Picture_21.jpeg)

## AD 2-11a S&B Elementary 02-116800

![](_page_50_Picture_23.jpeg)

![](_page_50_Picture_24.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVE COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLAN COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLA THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OF MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

## REVISIONS

No.	DATE	DESCRIPTION								
$\overline{\Lambda}$	2.14.23	DISTRICT MODIFICATIONS								
$\Delta$	2.27.23	DISTRICT MODIFICATIONS								

![](_page_50_Picture_31.jpeg)

![](_page_51_Figure_0.jpeg)

## $\bigcirc$ KEYNOTES

- 1. GYP. BD. 2. WALL TILE GRAB BAR, SEE DTL. 210/A8.11
   TOILET PAPER DISPENSER MIRROR 5. SOAP DISPENSER 6. PAPER TOWEL DISPENSER 7. FRP 8.
- COVED BASE SEE FINISH SCHEDULE 9. BRAILLE SIGNAGE - SEE DTL. 311/A8.17
   ACCESSIBLE SIGNAGE - SEE DTL. 217/A8.11
- 12. HAND WASH LAV ACCESSIBLE LAVATORY 13.
- 14. VINYL TACKBOARD, SEE DTL. 112/A8.6
- 15. RUBBER TOPSET BASE 16. CASEWORK - SEE INTERIOR ELEVATIONS
- 17. DRINKING FOUNTAIN
- 18. GUARDRAIL/HANDRAIL 19. 5'-O" DIA. ACCESSIBLE TURNING RADIUS
- 20. STANDARD LAVATORY 21. STANDARD TOILET
- 22. ACCESSIBLE TOILET
- 23. PARTITIONS
- 24. STANDARD URINAL
- 25. ACCESSIBLE URINAL
- 26. FOLD DOWN CHANGING TABLE, SEE DETAIL 184/A8.10 & SPEC. SECTION 10811 27. TOILET SEAT COVER DISPENSER
- 28. PRIMARY LAVATORY
- 29. ROOF ACCESS LADDER 30. ELECTRIC HAND DRYER
- NOTE: 1. SEE DTL. 219/A8.11 FOR ACCESSIBILITY STANDARDS 2. ALL SHELVING WITH SPANS GREATER THAN 30" TO BE 1" THICK
   3. REFER TO COLOR SCHEDULE (SHEET A2.8) FOR ALL COLOR REFERENCES, TYP.

## SYMBOL LEGEND

CASEWORK SYMBOL

![](_page_51_Figure_23.jpeg)

## WALL LEGEND

	2x6 METAL STUDS AT 16" O.C. w/ R-19 INSULATION <u>EXT SIDE:</u> CEMENT PLASTER o/ PAPER BACKED WIRE LATH o/ 1/2" DENS. GLAS GOLD <u>INTERIOR SIDE:</u> SEE FINISH SCHEDULE
	2x6 METAL STUDS AT 16° O.C. w/ SOUND BATT INSULATION – SEE FINISH SCHEDULE
	2x6 METAL STUDS AT 16" O.C. 42" HIGH w/ PAINTED WOOD CAP – SEE FINISH SCHEDULE
	2x4 METAL STUDS AT 16" O.C SEE FINISH SCHEDULE
	1-HR WALL: 2x6 METAL STUDS AT 16" O.C. w/ SOUND BATT INSULATION - PROVIDE 5/8" TYPE X GYP. BD. EACH SIDE (UL #U419) SEE DETAIL 102/A8.6
	DOUBLE 2x4 18 GA METAL STUDS AT 16" O.C. SEE FINISH SCHEDULE
	20" DIA. CONCRETE COLUMN, SEE DETAIL 60/A8.3
	8" x 8" x 16" CMU WALL - SEE DETAIL 51/A8.3
NOTE: SEE S	TRUCT. FOR METAL STUD SIZES AND CONNECTIONS

![](_page_51_Picture_26.jpeg)

RESNO, CALIFORNIA 93711 59.448.8400 · F559.448.8467

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_51_Picture_29.jpeg)

## AD 2-12a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_51_Picture_32.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESEF COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT THE ADDITION OF THE ADDITION OF THE ADDITION IN THE ADDITION. FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY HALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS EGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

REVISIONS

No.	DATE	DESCRIPTION
$\triangle$	2.14.23	DISTRICT MODIFICATIONS
A	2.27.23	DISTRICT MODIFICATIONS

SHEET DESCRIPTION

1/4"=1'-0"

![](_page_51_Picture_39.jpeg)

FI	FINISH SCHEDULE													FIN	IISH SCHED	ULE		_																								
		FLOOR BASE WAINSCOT WALLS								FLC	DOR		BASE		W	AINSCC	т				WAL	-LS																				
											E/	AST	sc	DUTH T	WE	EST 	NO	RTH		NOTE N											-	EA	ST	501	JTH	WI	EST	NO	RTH	_	0 TE	
			Ļ		Ļ			Ļ												OLOR N	5 S	Ċ		Ļ		Ļ			Ļ			Ļ		Ļ		Ļ		Ļ			OLORN	U
N MOO	ROOM		ATERIA	HSIN	ATERIA	HSIN	EIGHT	ATERIA	HSIN	EIGHT	ATERIA	NICH	ATERIA	HSIN	ATERIA	HSIN	ATERIA	H SI N	EILING	OOR O	EMARK	N MOO	ROOM	ATERIA	HSIN	ATERIA	H SIN	EIGHT	ATERIA	NICH	EIGHT	ATERIA	HSIN	ATERIA	H SIN	ATERIA	HSIN HSIN	ATERIA	NICH	EILING	LOOR C	EMARK
	FOYER	$\sim$		E CD	Σ RTB	E FT	1 4"	Σ		I	GB	ESP	GB	ESP	σB	ESP	GB	ESP	Ō		<u> </u> .	ữ 137	BOY'S ROOM 2		FT	Σ CV	FT	Ш б	Σ	E FT	T 7-6"	Σ GB	E SGP	Σ GB	E SGP	Σ GB	SGP	Σ GB	SGP	Ū		<u> </u>
102			CPT	FT	PTR	FT	1."				GB	FGD	VTB	FT	VTB	FT	VTB	FT		CPT-1 CPT-3	1	138	BOY'S ROOM 1		FT		FT	6		FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TI 1	
102							4				GB	ECP	CR	ECD			GR	ECP		CPT-2 LVT-1		120									7-0	60								-	L-	
103			RI	FI	RIB	FI	4"				GB			LJP				LJP			-	139	GIRL'S KOOM I					6	IL.		/-6*	GB	SGP	GB	SGP	GB	SGP	GB	SGP	-	TL-1	
104	MEN'S RESTROC		1L	F1		FT	6"		F1	-/-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TL-1	-	140	GIRL'S ROOM 2		FT		FT	6"	TL	FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TL-1	
104,4	STORAGE		CONC		RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP			-	141	CLASSROOM1	LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT		CPT-2 LVT-1	1
105	KINDERGARTEN	N3	LVT	FT	RTB	FT	4"				VTB	FT	GB	ESP	VTB	FT	VTB	FT		CPT-1 LVT-1 CPT-2 LVT-2 CPT-3 LVT-3	1	142	CLASSROOM 2	LVT	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT		CPT-2 LVT-1	1
106	TOILET 1		TL	FT	CV	FT	6"	TL	FT	7-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP	1ATION	TL-1		143	CLASSROOM 3	LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	1ATION	CPT-1 CPT-3 CPT-2 LVT-1	1
107	WORK ROOM	1	CPT	FT	RTB	FT	4"				VTB	FT	VTB	FT	VTB	FT	VTB	FT	NFORY	CPT-1	-	144	CLASSROOM 4	CPT LVT	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT	NFORV	CPT-1 CPT-3 CPT-2 LVT-1	1
108	TOILET 2		TL	FT	CV	FT	6"	TL	FT	7-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP	CEILING	TL-1	-	145	STAIRS	RT	FT	RTB	FT	4"				GB	ESP	GB	ESP			GB	ESP			
109	KINDERGARTEN	N1	CPT LVT	FT	RTB	FT	4"				VTB	FT	GB	ESP	VTB	FT	VTB	FT	IR ALL C	CPT-1 LVT-1 CPT-2 LVT-2 CPT-3 LVT-3	1	146	STORAGE	CONC	FT	RTB	FT	4"				GB FRP	SGP FT	GB	SGP	GB	SGP	GB	SGP	N ALL O		
110	STORAGE			SL	RTB	FT	4"				GB	SGP	GB	SGP	GB	SGP	GB	SGP	ANS FO			147	CLASSROOM 7	СРТ	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	ANS FO	CPT-1 CPT-3	1
111	STAIRS		RT	FT	RTB	FT	4"				GB	ESP			GB	ESP	GB	ESP	ING PL		-	148	CLASSROOM 6	CPT	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT	L N D N	CPT-1 CPT-3	1
112	NOT USED																		ED CEIL			149	CLASSROOM 5	CPT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT		CPT-2 LVT-1 CPT-1 CPT-3	1
113	STORAGE				RTB	FT	<u></u> 4"				GB	FSP	GB	FSP	GB	FSP	GB	FSP	EFLECT			150	RESOURCE	CPT	FT	RTB	FT	<u></u> 4"				GB	FSP	GB	FSP	GB	FSP	GB	FSP		CPT-2 LVT-1	
11.4			CPT/	ET	מדמ	ET									VTP	ET	GB	ECD	SEE RI	CPT-1 LVT-1	1	151		СРТ	===	מדמ	ET					GB	ECD	CB	ECD	CP	ECD	GB	ECP	SEER		
114		N4			RID		4										66	ESP		CPT-2 LVT-2 CPT-3 LVT-3				CPT				4				GD	L3P	UTB/	FT	GD		66	LSP	-	CPT-1	
115	I OILET 3						6			/-6*	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TL-1		152	MEDIA LAB	CPI		KIR		4"				VIB	F1	GB	ESP	VIB		VIB		-	CPT-1	
116	WORK ROOM	1	CPT	FT	RTB	FT	4"				VTB	FT	VTB	FT	VTB	FT	VTB	FT		CPT-1	-	153	WORK ROOM	CPT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT		CPT-1	
117	TOILET 4			FT	CV	FT	6"	TL	FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP			-	154	STAIRS	RT	FT	RTB	FT	4"				GB	ESP	GB	ESP			GB	ESP			
118	KINDERGARTEN	12		FT	RTB	FT	4"				VTB	FT	VTB	FT	VTB	FT	GB	ESP		CPT-1 LVT-1 CPT-2 LVT-2 CPT-3 LVT-3	1 (	155				RTB	FT	4"		FT	48"	GB	ESP	GB		GB	ESP	GB	ESP	)/2		
119	ELECTRICAL	C			RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP				156	STORAGE	CONC		RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP			-
120	PUMP ROOM	C	CONC		RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP			· (	157	CORRIDOR	CONC	CD	RTB	FT	4"	AC	FT	48"	GB	ESP	GB	ESP	GB	ESP	GB	ESP	$\mathbb{R}$		-
121	ELEVATOR		TL	FT																TL-1	. {	158	CORRIDOR	CONC	CD	RTB	FT	4"	AC	FT	48"	GB	ESP	GB	ESP	GB	ESP	GB	ESP	/2	$\mathbf{Y}$	
122A	CSL.1		CPT	FT	RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	VTB	FT		CPT-1	-																					
122B	CSL.2		CPT	FT	RTB	FT	4"				GB	ESP	VTB	FT	GB	ESP	GB	ESP		CPT-1																						
1220	CSL. 3		СРТ	FT	RTB	FT	4"				GB	ESP	VTB	FT	GB	ESP	GB	ESP		CPT-1	-																					
122D	STORAGE	C			RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP			-																					
122E	HALLWAY		СРТ	FT	RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP		CPT-1																						
123	BALL ROOM				RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP	Z																							
124	<u>і</u> і т		CPT	FT	RTB	FT	4"				GB	ESP	VTB	FT	GB	ESP	GB	ESP	DRMATI	CTT 1																						
125					מדמ	ET	4"						CP	ECD	VTB/	FT	GB	ECD	NG NFG																							
125					KID		4					FT/	GB	ESP	GB	ESP		ESP	TT CEIL		-																					
126	RECEPTION		CPT	FT	RTB	FT	4"				GB VTB/	3 ESF	р Р		GB	ESP			6 FOR A	CPT-1	-																					
127 53:00	SECRETARY		CPT	FT	RTB	FT	4"				GB	B ESF	GB	ESP	GB	ESP			PLAN9	CPT-1	-																					
/0 <u>8</u> /90	OFFICE		СРТ	FT	RTB	FT	4"				GB	ESP	GB	ESP	VTB	FT	GB	ESP	CEILING	CPT-1																						
129 cyeq,d≰g	VICE PRINCIPA		СРТ	FT	RTB	FT	4"				GB	ESP	GB	ESP	VTB	FT	GB	ESP	ECTED	CPT-1																						
130	PRINCIPAL		CPT	FT	RTB	FT	4"				VTB	FT	GB	ESP	GB	ESP	GB	ESP	E REFL	CPT-1																						
131 131	H.S.L.		CPT	FT	RTB	FT	4"				VTB	FT	GB	ESP	GB	ESP	GB	ESP	SE	CPT-1																						
132	NURSE		LVT	FT	RTB	FT	4"				GB	ESP	GB	ESP	FRP GB	FT ESP	FRP GB	FT ESP		LVT-1	-																					
ementary 133	TOILET 5		TL	FT	CV	FT	6"	TL	FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TL-1																						
Javeniev Jav	WORK ROOM	1	CPT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT		CPT-1																						
hields & 135	MEN'S ROOM	1	TL	FT	CV	FT	6"	TL	FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TL-1																						
5 29-21 136	WOMEN'S ROOI	M1	TL	FT	CV	FT	6"	TL	FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		 	-																					
ш́																																										

## ABBREVIATIONS

ADDR	EVIATIONS
ACT	ACOUSTICAL CEILING TILE
CLN	CLEAN
CONC	CONCRETE
CPT	CARPET
СТ	CERAMIC TILE
CV	COVED BASE
FRP	FIBER REINFORCED PANEL
FT	FACTORY
GB	GYPSUM BOARD w/ LIGHT SPRAY TEXTURE
ESP	EGGSHELL PAINT
TL	TILE
RTB	RUBBER TOPSET BASE
RT	RUBBERIZED NON-SLIP TREAD
SGP	SEMI-GLOSS PAINT
SL	SEAL
STN	STAIN (SEE SPEC. SEC. 03365)
SV	SHEET VINYL
VTB	VINYL TACKBOARD
VAR	VARIES
СВ	CEMENTITIOUS BOARD
CD	POLISHED CONCRETE SYSTEM
RF	RESILIENT RUBBER FLOORING
AC	ACROVYN
$\sim$	

## GENERAL NOTES

- 1. SEE SPECIFICATIONS FOR SUSPENDED ACOUSTICAL CEILING TILE TYPE.
- ARCHITECT TO SELECT PAINT COLORS AND LOCATIONS.
   WINDOW JAMBS AT LOCATIONS WITH VINYL BACKBOARD FINISH TO RECEIVE V.T.B. WRAP.
- 4. SEE DETAIL 140/A8.7 FOR SUSPENDED ACOUSTICAL CEILING TILE SYSTEM
- 5. ALL VINYL TACKBOARD TO BE APPLIED OVER GYPSUM BOARD SUBSTRATE.
- 6. ALL FINISH MATERIALS SHALL COMPLY WITH CBC TABLE 803.5"

## REMARKS

1. SEE ENLARGED FINISH FLOOR PLAN FOR FLOORING COLORS & PATTERN.

# **ISINPBK**

#### 7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467 www.sim-pbk.com

# BRAWLEY SCHOOL

![](_page_52_Picture_14.jpeg)

## AD 2-13a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_52_Picture_17.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

## REVISIONS

No.	DATE	DESCRIPTION
$\triangle$	2.14.23	DISTRICT MODIFICATIONS
A	2.27.23	DISTRICT MODIFICATIONS

![](_page_52_Picture_24.jpeg)

DOC	DR SCHEDU	ILE						C	DOOR SCHEDULE								ABBREVIATIONS	
		DOOF	FRAME	GLASS	DE	TAILS				DOOR	FRAME GI	_ASS		DETAILS	6		ALUM ALUMINUM MT MARLITE PANEL	
Ч Ц Ц	Щ	Se					щ Ш		E E E E E E E E E E E E E E E E E E E				U Z		LD KR	0	ANOD ANODIZED P PAINT	
00R No 00R T	00K SI.	HCKNE	NISH NISH NISH NISH NISH	NISH NUSH	RE RAT	AMB HRESHC		OOR No		NISH HSIN	ONST. NISH	NIGH OUVER	RE RAT	EAD AMB		EMARK	CLN CLEAN PL PLATE CLR CLEAR PW PICTURE WINDOW	
	й W.xH. PAIR					→ ⊨ 57 88		<u> </u>	ĞĞW.xH. ⊨				Ξ <u></u> σ	Image: The second se			CPT CARPET (N.I.C.) S SINGLE GLAZED	
	3'-0" x 7-0" PAIR				A8.5	A8.5 A85		140						A8.6 A8.6	20		_ CV INTEGRAL COVE SC SOLID CORE	
102 A	3'-0" x 7'-0"	13/4 ALUM	FF ALUM ANC		1,2,3 A8.5	A8.5 A85		144	J 3'-0" x 7'-0" 13/4	SC LP	HM SGP F	2L	3	A8.6 A8.6	; <sup>23</sup> X		DL DUAL GLAZED SGP SEMI GLOSS PAIN I EP EPOXY PAINT SH SINGLE-HUNG	SINDRK
103 B	3'-0" x 7'-0"	13/4 ALUM	FF ALUM ANC	DD T TNT	1,2,3 A8.5	A8.5 A85	04 1	145	G 3'-0" x 7-0" 13/4	SC LP	HM SGP T	CLR	3	A8.6 A8.6	23	3	ESP EGG SHELL PAINT SIGN PROVIDE SIGNAGE	
104 B	PAIR 3'-0" x 7'-0"	13/4 ALUM	FF ALUM ANG	DD T TNT	1,2,3 86 8 A8.5	A8.5 A8.5		146	н <i>З'-0"</i> × 7 <i>-0</i> 13/4	SC LP	HM SGP T	CLR	3	A8.6 A8.6	23	З	EXP EXPOSED STRUCTURE SL SEAL	7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711
105 C	PAIR 3'-0" x 7'-0 <b>'</b>	13/4 HM	SGP HM SG	;p	3 <sup>82</sup> 8 A8.5	3 84 A8.5 A8.5	15	3 147	H 3'-0" x 7'-0' 13/4	SC LP	HM SGP T	CLR	3	105 105 A8.6 A8.6	23	З	FG     FIBERGLASS     STN     STAIN       FF     FACTORY FINISH     STL     STEEL	T559.448.8400 · F559.448.8467 www.slm-pbk.com
106 I	3'-0" x 7'-0"	13/4 HM	SGP ALUM ANG	DD T TNT	2,3 86 8 A8.5	57 88 A8.5 A8.5	06	3 148	E 3'-0" x 7'-0" 13/4	SC LP	HM SGP	2	45 2,3	105 105 A8.6 A8.6	17	З	FP FACTORY PAINT T TEMPERED	
107 E	3'-0" × 7'-0"	13/4 HM	SGP HM SG	;p	4 82 8 A8.5	3 84 A8.5 A85	10 2	2 149	н 3'-0" x 7'-0" 13/4	SC LP	HM SGP T	CLR	3	105 105 A8.6 A8.6	23	з	FR FIRE RATED TF "TIMELY" FRAME	JUIELDJ
108 E	3'-0" x 7'-0"	13/4 HM	SGP HM SG	;p	4 82 8	3 84	10 2	2 (150	Е З'-0" × 7-0" 13/4	SC LP	HM SGP		45 4	105 105	19	2	FT     FACTORY     THE THREE       GBLK     GLASS BLOCK     TT     TAPE & TEXTURED	& BRAWLEY
109 I	3'-0" x 7'-0"	13/4 HM	SGP ALUM ANC	DD T TNT	2,3 86 8	7 88	06 3	3 151	E 3'-0" × 7-0" 13/4	SC LP	HM SGP		4	105 105	22	2	HM HOLLOW METAL VAR VARIES	
110 В	PAIR	13/4 ALUM	ANOD ALUM AND	DD T TNT	1.2.3 <sup>86</sup> 8	A8.5 A85 57 88		152	E 3'-0" x 7'-0" 13/4	SC LP	HM SGP	2	20 4	A8.6 A8.6 105 105	19	2	LP LAMINATE PLASTIC W WIRE GLASS	ELEIVIEINIARI
111 E	3'-0" x 7'-0"	13/4			A8.5	A8.5 A8.5 3 84		152	E 3' 0" v 7' 0' 13/4	EC IP			20 4	A8.6 A8.6		K )		SCHOOL
	4-0 ×4-2				A8.5	A8.5 A85							20 4	A8.6 A8.6			DOOR TIPES	opt UN
112 H	3-0" x 7-0"	13/4 HM	SGP HM SG	→⊢ T TNT	1,2 A8.5	A8.5 A85		154	U 3'-0" x 7'-0' 13/4	SC LP	HM SGP T		2,3	A8.6 A8.6	s 17 17	Κ <sup>3</sup>		LIV SO LINGOL, EVery C.
113 H	3'-0" × 7'-0"	13/4 HM	SGP HM SG	5P T TNT	1,2 A8.5	A8.5 A85	08	155	н 3'-0" x 7-0" 13/4	SC LP	HM SGP T	CLR	3	A8.6 A8.6		З		C Every Day!
114 E	3'-0" x 7'-0"	13/4 HM	SGP HM SG	;p	1,2,3 <sup>82</sup> 8 A8.5	A8.5 A8.5	09 3	3 156	D 3'-0" x 7-0" 13/4	SC LP	HM SGP T	CLR 2	20 2,3	105/105/ A8.6 A8.6	17	З		
115 B	PAIR 3'-0" x 7'-0"	13/4 ALUM	ANOD ALUM ANC	DD T TNT	1,2,3 86 8 A8.5	57 88 A8.5 A8.5	02	157	D 3'-0" x 7'-0' 13/4	SC LP	HM SGP T	CLR 2	20 2,3	105 105 A8.6 A8.6	17	З		OU DISTR
116 E	3'-0" x 7'-0"	13/4 HM	SGP HM SG	;p	4 82 8 A8.5	3 84 A8.5 A8.5	11 $2^{2}$	2 158	Н З'-0" х 7-0" 13/4	SC LP	HM SGP T	CLR	3	105 105 A8.6 A8.6	25	З		
117 E	3'-0" x 7'-0 <b>'</b>	13/4 HM	SGP HM SG	;p	4 82 8 A8.5	3 84 A8.5 A85	10 2	2 159	D 3'-0" x 7'-0" 13/4	SC LP	HM SGP T	CLR 2	20 2,3	105 105 A8.6 A8.6	17	з		AD 2-1/2
118 B	PAIR 3-0" x 7-0	13/4 ALUM	ANOD ALUM ANC	ор т тлт	1,2,3 86 8	57 88	01 1	160	E 3'-0" x 7'-0" 13/4	SC LP	HM SGP	2	45 3	105 105	26	З		
119 G	3'-0" × 7-0"	13/4 SC	LP HM SG	;P T CLR	20 2,3 105 10	76.3 763 05 X	17 3	3 161	D 3'-0" × 7-0" 13/4	SC LP	HM SGP T	CLR 2	20 2,3	105 105	17	З		S&B Elementary
120 E	3'-0" x 7'-0"	13/4 50	LP HM SG	PTCIR	A8.6 45 4 105 10	A8.6 -1 05 X	20 2	2 162	D 3'-0" x 7-0" 13/4	SC IP	HM SGP T	CIR 2	45 2.3	A8.6 A8.6 105 105		3		02-116800
101 5					A8.6	A8.6							2	A8.6 A8.6			-	
	5-0 x 7-0	13/4 90			20 <sup>3</sup> A8.6 105 10	A8.6			H 3-0 x /-0 13/4					A8.6 A8.6	; / / 25 /	K <sup>°</sup>		CED ARCL
122 D	3'-0" x 7'-0 <b>'</b>	13/4 SC	LP HM SG	P T CLR	20 2,3 A8.6	A8.6		3 164	D 3'-0" x 7'-0" 13/4	SC LP	HM SGP T	CLR 2	20 2,3	A8.6 A8.6	5 17 X	3		JOHN H. SMITH, A.I.A. C15885
123 H	3'-0" x 7'-0"	13/4 SC	LP HM SG	P T CLR	3 A8.6	A8.6	24	3 165	H 3'-0" x 7-0" 13/4	SC LP	HM SGP T	CLR 2	20 2,3	A8.6 A8.6	5 17 5 17	З	- D E F DUTCH G	* 5 C 15885 E * 9-30-23 Releval Date
124 E	3'-0" x 7'-0"	13/4 SC	LP HM SG	;p	4 105 10 A8.6	A8.6	19 2	2 166	Н З'-О" х 7-О" 13/4	SC LP	HM SGP T	CLR	3	A8.6 A8.6	08	З	8. 6.	FOF CALIFO
125 E	3'-0" x 7'-0 <b>'</b>	13/4 SC	LP HM SG	;p	4 105 10 A8.6	75 A8.6	19 2	2 167	E 3'-0" x 7'-0' 13/4	SC LP	HM SGP	2	45 3	105 105 A8.6 A8.6	17	З		THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON I AW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS
126 Н	3'-0" x 7'-0"	13/4 SC	LP HM SG	PTCLR	<u>3</u> 105 10 A8.6	05 X A8.6	24	3 168	E 3'-0" x 7'-0" 13/4	SC LP	HM SGP	2	20 3	105 105 A86 A86	17	3		THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS AND SHALL BEAR THE COST OF THE ARCHITECTS.
127 D	3'-0" × 7'-0"	13/4 SC	LP HM SG	PTCLR	20 2,3 105 10 A8.6	05 A8.6	17 3	3	· · · · ·	· · ·		· ·				· ·		LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.
128 E	3'-0" × 7'-0'	13/4 SC	LP HM SG	;p	45 3 105 10	D5 X	26 3	3 170	Н 3'-0" × 7-0" 13/4	SC LP	HM SGP T	CLR ·	45 2,3			∧ <sup>3</sup>		DATE ISSUED FOR
129 D	3'-0" x 7'-0"	13/4 SC	LP HM SG	PTCLR	20 2,3 105 10	25//	17 3	3 171	K 3'-0" x 3'-8" 13/4	SC LP					29	¥2∖		
130 н	3'-0" × 7'-0"	13/4 SC	LP HM SG	;P T CLR	3 105 10	~~.~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	24 3										$\sqrt{2}$ $(H)$ $(J)$ $(K)$	
131 F	3'-0" x 7'-0 <b>'</b>	1.3/4 60		;p	A8.6	A8.6 -1		2 173										
	2 0	12/4 00			A8.6	(A8.6)		, , , , ,										REVISIONS
	Э-U X /-U <sup>*</sup>	1 J/4   SC			4 A8.6	A8.6		- 1/4						/ . / . . / . /			<ol> <li>PROVIDE ACCESSIBLE EXIT SIGNAGE. SEE DETAIL 201/A8.11</li> <li>PROVIDE ACCESSIBLE RESTROOM SIGNAGE. SEE DETAIL 217/A8.11</li> </ol>	
133 H	3'-0" x 7'-0"	13/4 SC	LP HM SG	P T CLR	3 A8.6	A8.6	24	3 175	· · · ·	· ·			· ·	<u> </u>			3. PROVIDE ROOM IDENTIFICATION SIGNAGE. SEE DETAIL 212/A8.11	2.14.23     DISTRICT MODIFICATIONS       2.27.23     DISTRICT MODIFICATIONS
134 D	3'-0" x 7'-0'	13/4 SC	LP HM SG	PTCLR	20 2,3 105 10 A8.6	A8.6	17	3 176										
135 E	3'-0" × 6'-0"	13/4 SC		;p	45 3 105 10 A8.6	)5/ A8.6/	26	3 C	DOOR SIGNAGE								GENERAL NOTES	SHEET DESCRIPTION
136 н	3'-0" × 7'-0"	13/4 SC	LP HM SG	PTCLR	3 105 10 A8.6	25/ X A8.6/	23	<sup>3</sup> 1. E	BUILDING ENTRANCE/ ISA SIGNAGE	, SEE DETAIL 212	2 / A8.11						1. SEE SPECIFICATIONS FOR SUSPENDED ACOUSTICAL CEILING TILE TYPE.	
137 F	3'-0" × 7'-0'	1 <i>3</i> /4 HM	LP HM SG	;p	3 105 10 A8.6	05/ A8.6/-	12 3	3 2	TACTILE EXIT SIGNAGE, SEE DETAIL ILLUMINATED EXIT REQUIREMENTS.	. 201/A8.11. AND/	OR SEE ELECTRICAL	PLANS FOR					<ol> <li>ARCHITECT TO SELECT PAINT COLORS AND LOCATIONS.</li> <li>WINDOW JAMBS AT LOCATIONS WITH VINYL TACKBOARD FINISH TO RECEIVE V.T.B. WRAP.</li> </ol>	
138 E	3'-0" × 7'-0'	13/4 SC	LP HM SG	PTCLR	3 105 10	D5 X	23 3	3. 1	ROOM IDENTIFICATION SIGNAGE, SE w/ OWNER). WHERE TWO ROOMS A SIDE OF THE WALL TYPE ALL ROOMS	EE DETAIL 212/A8 DJOIN ONE ANC S	8.11 (VERIFY ROOM NA )THER, PROVIDE SIGN	ME & NUMBER IAGE ON EACH					4. ALL GLAZING WITHIN 24" OF A DOOR OR OPERABLE WINDOW SHALL BE TEMPERED GLASS	
139 E	3'-0" x 7'-0'	13/4 SC	LP HM SG	;p	45 2,3 105 10		16 3	3 4. 1	RESTROOM SIGNAGE, SEE DETAIL 2	217/A8.11.							<ul> <li>5. SEE SPECIFICATION SECTION 10400 FOR DOOR &amp; ROOM SIGNAGE</li> <li>6. ALL FINISH MATERIALS SHALL COMPLY WITH CBC TABLE 803.5"</li> </ul>	PROJECT COORDINATOR SHEET No.
140 E	3'-0" × 7'-0'	13/4 SC	LP HM SG	;p	<u>3</u> 105 10	<u>~~0.0/</u>	28 3	3									7. FOR CONDITIONS AT METAL PANELS NOT SPECIFICALLY REFERENCED, SEE SHEETS A8.14 & A8.15. DOORS TO BE SIMILAR TO WINDOWS, COORDINATE	PROJECT NO.
	3'_ <u></u> _` ~ <sup>+</sup> ^•	13/4 60		р т <u>ср</u>	A8.6	~A8.6 / /		3									W/ METAL PANEL MANUFACTURER. 8. SEE DETAIL #179/A8.9 FOR HM FRAME ANCHORAGE, TYP. 9. SEE GENERAL NOTES ON COLOR SCHEDUIE, SHEFT A2 & FOR TYPICAL DOOR \$ WINDOW/FINISHES	DATE A2.2
	U X /-U	5/4 50			A8.6	A8.6		, 									<ol> <li>10. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE 34 INCHES MINIMUM AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.</li> </ol>	1.27.23 SCALE
142 E	3'-0" × 7'-0"	13/4   SC		P	3 A8.6	A8.6	$^{23} / ^{4}$	·									11. FOR ADDITIONAL SIGNAGE NOT SHOWN IN SCHEDULE, SEE T4	1/4" = 1'- <i>0</i> "

\	WINDOW SCHEDULE WINDOW SCHEDULE																
			WIN	DOW		FRAME		1	DETAILS	5					WIN	DOW	
INDOW No.	INDOW TYPE	WINDOW	ЪЕ	HON	ATERIAL	HOIN	RE RATING	EAD	ЯДВ		SARA	INDOW No.	INDOW TYPE	WINDOW	Д	HSIN	ATERIAL
<i>≤</i>	⇒ A	26-0" x 12-6"					Ē.	90	` 1 1	ज 106	₩	139	У	DIMENSIONS 17-8" x 9'-4"			
102		24-0" x 9'-4"		TNT	ALUM	ANOD		A8.5 261	5 A8.5 265	5 A8.6 267	5	140	G	6'-0' x 7-2"	 		НМ
102								A8.14	A8.14	. A8.14		1/1		5' 0' × 7' 2'			
101								90/	91 /	86 /		140					
104		6-4 × 9-0					-	A8.5	A8.5	5 A8.5 267		142			5		
105	В	7'-0" × 5'-10"			FG			A8.5	A8.5	5 A8.14 96 /	4 1	143	M	6-0' x 3-0"	5		
106	E	2'-0' × 2'-0'		OBSC	FG	FT	-	A8.5	A8.5	5 A8.5	2	144	G	5'-0" × 7'-2"	S		
107	E	2'-0' x 2'-0'	DL	OBSC	FG	FT		A8.5	A8.5	5 A8.5	2	145	G	5'-0" x 7'-2'	S		HM
108	С	7-0" × 5'-10"	DL	TNT	FG	FT		A8.5	A8.5	5 A8.5	2	146	M	6'-0' x 3'-0'	S		HM
109		NOT USED										147	M	6'-0" x 3'-0"	S		HM
110	В	7'-0" x 5'-10"	DL	TNT	FG	FT		98 	99 A8.5	5 A8.5	1	148	G	5'-0" x 7'-2'	S	CLR	HM
111	н	3'-0" x 5'-10"	DL	TNT	FG	FT		98 	99 	100 A8.5	1, 2	149		NOT USED			
112	н	3'-0' x 5'-10'	DL	TNT	FG	FT		98 A8.5	99   A8.5	100 A8.5	1, 2	150	N	9'-0" × 9'-6'	S	CLR	HM
113	I	6-0° × 5'-10°	DL	TNT	FG	FT		98 A8.5	99 A8.5	100 5 A8.5	1, 2	151	N	9'-0" × 9'-6'	S	CLR	HM
114	Т	5'-0" × 9'-0"	DL	TNT	ALUM	ANOD		90   A8.5	91 A8.5	106 5 A8.6	1	152	к	5'-0" x 7'-2'	S	CLR	НM
115	J	6'-0' x 5'-10'	DL	TNT	FG	FT		98 	99 A8.5	100 A8.5	1	153	0	12'-4" × 7-2'	S	CLR	НM
116	E	2'-0 <b>'</b> × 2'-0'	DL	OBSC	FG	FT		94 	95 A8.5	96 5 A8.5	2	154	к	5'-0" x 7'-2"	S	CLR	НМ
117	E	2'-0' × 2'-0'	DL	OBSC	FG	FT		94 / A8.5	95 A8.5	96/ 5 / A8.5	2	155	G	5'-0" × 7'-2"	S	CLR	HM
118	1	6'-0' x 5'-10'	DL	TNT	FG	FT		94 A8.5	95 A8.5	267 5 / A8.14	1	156	G	5'-0" x 7'-2'	s	CLR	НМ
119	J	6'-0' × 5'-10'	DL	TNT	FG	FT		94	95 A8 F	267 5 _ A8 12	1	157	G	5'-0" x 7'-2"	S	CLR	HM
120	s	3'-0 <b>'</b> × 4'-0'	DL	TNT	FG	FT		94 	95 A8 F	96/ 5 A8 F	1	158	G	5'-0" x 7'-2"	S	CLR	HM
121	J	6'-0" × 5'-10"	DL	TNT	FG	FT		261	265	267	1	159	G	5'-0" × 7'-2"	S	CLR	НМ
122	R	8'-0" x 5'-10"	DL	TNT	FG	FT		261	265	267	1	160	G	5'-0" x 7'-2'	s	CLR	HM
123	1	6'-0' x 5'-10'	DL	TNT	FG	FT		261	265	267	1	161	G	5'-0" x 7'-2"	S	CLR	HM
124	s	4'-6" × 4'-0 <b>'</b>	DL	TNT	FG	FT		94	95 95	96/	1						
125	С	7-0" × 5'-10"	DL	TNT	FG	FT		98	99 /	100	1	163		NOT USED			
126	в	7-0" x 5'-10"	DL	TNT	FG	FT		/ A8.5 98 /	99 99	5 A8.5 100	1	164	 	5'-0" × 9'-0"	DL		
127A	C	7-0" x 5'-10"	DL.	TNT	FG	FT		A8.5 94	95 /	5 / A8.5 267 /	1	165		NOTUSED			
127B	В	7-0" × 5'-10"			FG	FT		A8.5 94	95 A8.5	5 A8.12 267		166		NOTUSED			 
170		7.0" 25' 10"			EG			/A8.5 98/	; / A8.5 99 /	5 A8.14 100		167		NOTUGED			
120		7-0 x 9-10			FG			/A8.5 98/	5 A8.5 99 /	5 A8.5 100		107		NOTUSED			
129		7-0 x 5-10			FG			A8.5	A8.5	5 A8.5 267		100	· ·				
130	<i>C</i>	/-0 x5-10			FG		-	A8.5	A8.5	5 A8.14 267/		169		4-0 × 4-0	5		
131A	В	7-0" x 5'-10"			FG	FT	-	A8.5	A8.5	5 A8.14	1 4 1	170		NOT USED		- 	-
8 131B	н	3'-0' x 5'-10'		TNT	FG	FT		A8.5	A8.5	A8.5	1, 2	171		NOT USED			
3 132	н	3'-0' x 5'-10'		TNT	FG	FT		A8.5	A8.5	A8.5	1, 2		Gen	NERAL NOTES	S		
133A	С	7-0" x 5'-10"	DL	TNT	FG	FT		98   A8.5	99 A8.5	5 A8.5	1	1.	ALL	WINDOWS WITHIN 24" C		: OR 18" F	ROMG
133B	В	7-0" × 5'-10"		TNT	FG	FT		98 A8.5	99 A8.5	A8.5	1	2. 3.	WIN ALL	GLAZING WITHIN 24" OF	DOOR (	)R OPER	L DACK
134A	С	7-0" × 5'-10"		TNT	FG	FT		94 A8.5	95 A8.5	267 5 A8.14	1 4	4.	SEE FOP	. 97/A8.5 FOR FLASHING	SEQUE	NCE S NOT G	
134B	в	7-0" x 5'-10"		TNT	FG	FT		94 A8.5	95 A8.5	267 5 A8.14	1				. , , , ,		U
135	С	7'-0" × 5'-10"	DL	TNT	FG	FT		98 	99 A8.5	100 5 A8.5	1						
136	в	7-0" × 5'-10"		TNT	FG	FT		98 A8.5	99 	100 A8.5	1	F	REM	1ARKS			
137	С	7-0" x 5'-10"	DL	TNT	FG	FT		94 A8.5	95 A8.5	267 5 A8.14	1	1.	PRC	VIDE VERTICAL LOUVER	RS (SPE	C. SECTI	.ON 1251
138	Q	34-10 × 9-4	DL	TNT	ALUM	ANOD		261 A8.14	265 / A8.14	267 	1	2.	WIN	UU WU AKE FIXEU, UE 14	-nl 9HU\		v~DLE

![](_page_54_Figure_1.jpeg)

![](_page_54_Figure_2.jpeg)

CALLY REFERENCED, SEE SHEETS A8.14 & A8.15

![](_page_54_Figure_4.jpeg)

ALUM	ALUMIN
ANOD	ANODIZ
CLN	CLEAN
CLR	CLEAR
CV	COVE
DL	DUAL G
EP	EPOXY
ESP	EGG SI
FG	FIBERG
FG	FIRE GL
FF	FACTO
FP	FACTO

FR
FT
GBL
ΗM
LP
ΜT
OBS
Р
ΡL
PW
S
SC

10)

![](_page_55_Picture_1.jpeg)

FIN	IISH SCHEDL	JLE					-			-									_			
		FLC	DOR		BASE	1	\ \	VAINSC	OT			I	WA	LLS		I						
										E4	AST	50	UTH 	W	EST	NOF	rth I		LOTE			
.oM Mo.	ROOM	ATERIAL	H S N	IATERIAL	Н Л Л	EIGHT	ATERIAL	Н Л Л	EIGHT	ATERIAL	H S N	ATERIAL	L S N	ATERIAL	H S N	ATERIAL	HSIZ	<b>BILING</b>				EMARKS
201	CORRIDOR		CD	RTB	FT	4"	AC	FT	1 48"	GB	ESP	GB	ESP	GB	ESP	GB	ESP	<u> </u>	ш	~		Ω
202	STAIRS		FT	RTB						GB	FSP	GB	FSP	GB	FSP	GB	FSP					
203	CLASSROOM 14	СРТ	FT	RTB	FT	4"				VTB	FT	VTB	FT	VTB	FT	VTB	FT		CPT-1	CPT-3	LVT-1	1
204	CLASSROOM 13	CPT/	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT		CPT-1 CPT-2	CPT-3	LVT-1	1
205	CLASSROOM 12	CPT/	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT		CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
206	CLASSROOM 11	CPT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	MATION	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
207	STAIRS	RT	FT	RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP	G INFOR				-
208	STORAGE	CONC	SL	RTB	FT	4"				GB	SGP	GB	SGP	GB	SGP	GB	SGP	L CEILING				-
209	CLASSROOM 8	CPT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	5 FOR AL	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
210	CLASSROOM 9	CPT/	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT	9 PLANG	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
211	CLASSROOM 10	CPT/ LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	O CEILING	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
212	ELEVATOR																	FLECTE				-
213	CLASSROOM	CPT/ LVT	FT	RTB	FT	4"				VTB GB	FT ESP	VTB	FT	VTB	FT	VTB	FT	SEE RE	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
214	n/a		-							-	-	-	-	-	-	-	-					-
215	CLASSROOM 15	CPT/ LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT		CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
216	CLASSROOM 17	CPT/ LVT	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT		CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
217	ELEC.	CONC		RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP					-
218	HALLWAY	CONC	СР	RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP					-
219	STORAGE	CONC		RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP					-
220	BOY'S ROOM 3	TL	FT	CV	FT	6"	TL	FT	7-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TL-1			-
221	GIRL'S ROOM 3	TL	FT	CV	FT	6"	TL	FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP		TL-1			-
222	MEN'S ROOM 2	TL	FT	CV	FT	6"	TL	FT	7-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP	ATION	TL-1			-
223	WOMEN'S ROOM 2	TL	FT	CV	FT	6"	TL	FT	7'-6"	GB	SGP	GB	SGP	GB	SGP	GB	SGP	NFORM	TL-1			-
224	CLASSROOM 18	CPT/ LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	CEILING I	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
225	CLASSROOM 19	CPT/ LVT	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT	OR ALL (	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
226	CLASSROOM 20	CPT/ LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	LANS FO	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
227	CLASSROOM 21	LVT	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT	EILING P	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
228	STAIRS	RT	FT	RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP	ECTED O				-
229	CLASSROOM 25	LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT	E REFLE	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
230	CLASSROOM 24	LVT	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT	С Ш	CPT-1 CPT-2	CPT-3 CPT-5	LVT-1	1
231	CLASSROOM 23	LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	GB	ESP	VTB	FT		CPT-1 CPT-2	CPT-3 CPT-5		1
232	CLASSROOM 22	LVT CPT/	FT	RTB	FT	4"				GB	ESP	VTB	FT	VTB	FT	VTB	FT		CPT-1 CPT-2	CPT-3	LVI-I	1
233	CLASSROOM 16	LVT	FT	RTB	FT	4"				VTB	FT	VTB	FT	VTB	FT	VTB	FT		CPT-1 CPT-2	CPT-5	∟∨  -	1
234	STAIRS	RT	FT	RTB	FT	4"				GB	ESP	GB	ESP	GB	ESP	GB	ESP					.

ABBREVIATIONS ACT ACOUSTICAL CEILING TILE CLN CLEAN CONC CONCRETE CPT CARPET (N.I.C.) СТ CERAMIC TILE COVED BASE CVFIBER REINFORCED PANEL FRP FT FACTORY GYPSUM BOARD w/ LIGHT GB SPRAY TEXTURE PAINT PT PORCELAIN TILE RTB RUBBER TOPSET BASE RUBBERIZED NON SLIP TREAD RT SGP SEMI-GLOSS PAINT SEAL SL SV SHEET VINYL VTB VINYL TACKBD VAR VARIES CB CEMENTITIOUS BOARD

CD POLISHED CONCRETE SYSTEM

WR WATER RESISTANT GYP BOARD

RF RESILIENT RUBBER FLOORING 

AC ACROVYN) ~~~~/2\

GENERAL NOTES

- SEE SPECIFICATIONS FOR SUSPENDED ACOUSTICAL CEILING TILE TYPE.
- 2. ARCHITECT TO SELECT PAINT COLORS AND LOCATIONS.
- WINDOW JAMBS AT LOCATIONS WITH VINYL BACKBOARD FINISH TO RECEIVE V.T.B. WRAP.
- 4. SEE DETAIL 140/A8.7 FOR SUSPENDED ACOUSTICAL CEILING TILE SYSTEM
- ALL VINYL TACKBOARD TO BE APPLIED OVER GYPSUM BOARD SUBSTRATE.
- ALL FINISH MATERIALS SHALL COMPLY WITH CBC TABLE 803.5"

## REMARKS

SEE ENLARGED FINISH FLOOR PLAN FOR FLOORING COLORS & PATTERN.

![](_page_55_Picture_16.jpeg)

7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467 www.sim-pbk.com

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_55_Picture_19.jpeg)

AD 2-16a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_55_Picture_22.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE		ISSUED FOR
REVISIONS	6	

	No.	DATE	DESCRIPTION
-	$\triangle$	2.14.23	DISTRICT MODIFICATIONS
	$\triangle$	2.27.23	DISTRICT MODIFICATIONS
-			

SHEET DESCRIPTION

1.27.23

1/4" = 1'-0"

DATE

SCALE

![](_page_55_Picture_28.jpeg)

DO	or schedu	LE											DC	oor so	CHEDU	LE												ABBREVIATIONS
		DOC	R	FRAM	1E (	GLASS		-	DI	ETAILS							DOOR		FRAME	Ξ	5LASS			1	DETAILS			ALUM ALUMINUM MT MARLITE PANEL VAR VARIES
Ц	Щ	Ω Ω					D Z	111				0	Ц			SC						UN N						ANOD ANODIZED P PAINT W WIRE GLASS
JOR No JOR TY	NOR SIZ	ICKNES	HSH HSH	NST.	HSH H	PE IIGH	re Rati	3NAGE	DA	Ω	RESHC	MARK	OR No DR TY	NOR SIZ		OKNEG	NST.	E H S H S H S H S H S H S H S H S H S H	NST.	HSH TGH		re rati	3NAGE	D	Ω	RESHC	RDWA MARKS	CLN CLEAN PL PLATE WD WOOD
	й W.хн.	<u><u> </u></u>		8				ର୍ଜ୍	<u> </u>	√ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √ √		2 <u>√₩</u> N			W. x H.	Ц Ц	8		0 f				<u> </u>	H	√ .	⊥	H H	CONC. CONCRETE PW PICTURE WINDOW
201 B	3'-0' x 7-0"	13/4 SC	LP	HM	SGP	T CLR	20	2,3	A8.6	A8.6	17	3	243 ·		-										<u> </u>	/.	· ·	CV INTEGRAL COVE S SINGLE GLAZED
202 B	3'-0 <b>'</b> × 7-0"	13/4 SC	LP	ΗM	SGP	T CLR	- 20	2,3	105   1   A8.6	05/ - /A8.6/	17	) 3	244 ·		-				-	-			-					DL DUAL GLAZED SC SOLID CORE
203 B	3'-0 <b>'</b> × 7-0"	13/4 SC	LP	ΗМ	SGP	T CLR	- 20	2,3	105 1 A8.6	05 - A8.6 /	17	з	245 ·		<u>.</u>					-								EP EPOXY PAINT SGP SEMI GLOSS PAINT
204 D	3'-0" x 7-0"	13/4 SC	LP	HM	SGP	T CLR		3	105 1	05 -	- 25	з	246 ·		<u>.</u>					-					•			ESP EGG SHELL PAINT SIN SINGLE-HUNG EXP EXPOSED STRUCTURE SIGN PROVIDE SIGNAGE
205 8	3' 0' v 7 0"	13/4 60		ЦМ	CCP	т сір	- 20	23	A8.6 105 1	- A8.6 05 -	-		247						_	_					/ · /	/ · · /		FG FIBERGLASS SL SEAL
	<i>J-0 x 7-0</i>	13/4 30			50F		20	2,2	A8.6	A8.6			247											· ·	<u> </u>	/ . . /		FF FACTORY FINISH STN STAIN
206 C	3'-0" × 7-0"	13/4 SC	LP	HM	SGP		- 45	3	A8.6	A8.6	26	3	248 ·		-										<u> </u>	/.	· ·	FP     FACTORY PAINT     STL     STEEL
207 B	3'-0" × 7-0"	13/4 SC	LP	ΗM	SGP	T CLR	- 20	2,3	105 1 A8.6	05/ -   A8.6	-7 17	З	249 ·		-					-			-			· / .		FT FACTORY T TEMPERED
208 D	3'-0" × 7-0"	13/4 SC	LP	ΗM	SGP	T CLR		3	105 1 A8.6	05 -   A8.6	- 25	Хз	250 ·		-					-								GBLK GLASS BLOCK TF "TIMELY" FRAME
209 B	3'-0" × 7-0"	13/4 SC	LP	ΗМ	SGP	T CLR	- 20	2,3	105 1	05 -	- 17	Э	251 ·															HM HOLLOW METAL TNT TINTED
210 B	3'-0' x 7-0"	13/4 50		НМ	SGP	T CIR	- 20	23	105 1	05 -	- 17		252 -												/ · /			LP LAMINATE PLASTIC TT TAPE & TEXTURE
							20	2,2	A8.6	/A8.6 05/-		K												· / ·	/ · . /	/ · · /		
211 B	3'-0" × 7-0"	13/4 SC	LP	HM	SGP		- 20	2,3	A8.6	A8.6		3	253 ·		-										<u> </u>	/.	· ·	GENERAL NOTES
212 C	3'-0" × 7-0"	13/4 SC	LP	ΗM	SGP			3	105   1   A8.6	05/ - /A8.6/	25	Э	254 ·		-				-	-			-					1. SEE SPECIFICATIONS FOR SUSPENDED ACOUSTICAL CEILING TILE TYPE.
213 B	3'-0" × 7-0"	13/4 SC	LP	ΗM	SGP	T CLR	- 20	2,3	105 1 A8.6	05 - A8.6 /	17	З	255 ·			-	-			-		-		· /		· / .		2. ARCHITECT TO SELECT PAINT COLORS AND LOCATIONS. 3. WINDOW, JAMBS AT LOCATIONS WITH VINTL TACKBOARD FINISH TO RECEIVE V.T.B. WRAP.
214 D	3'-0 <b>'</b> × 7-0"	13/4 SC	LP	НМ	SGP	T CLR		3	105 1	05 -	- 25	3	256 -															4. ALL GLAZING WITHIN 24" OF A DOOR OR OPERABLE WINDOW SHALL BE TEMPERED GLASS
215 8	2' 0' - 7 0"	13/4 60		MLI	ccp	т спр	- 20	23	A8.6 105 1	/A8.6 05/ -	- 17	K _ 2	257											· /	/ · /	/ · · /		5. SEE SPECIFICATION SECTION 10400 FOR DOOR & ROOM SIGNAGE
	5-0 x 7-0	13/4 30			90P		20	ت, ے	A8.6	A8.6 05 -			257											· ·	/ . . /	/ . . /		6. FOR CONDITIONS AT METAL PANELS NOT SPECIFICALLY REFERENCED, SEE SHEETS A8.14 & A8.15. DOORS TO BE SIMILAR TO WINDOWS, COORDINATE w/ METAL PANEL MANUFACTURER
216 D	3'-0' x 7-0"	13/4 SC	LP	HM	SGP		20	1,2,3	A8.6	A8.6		) 3	258 -		-					-					<u> </u>	/.	· ·	7. SEE DETAIL #179/A8.9 FOR HM FRAME ANCHORAGE, TYP.
217 A	6'-0' x 7-0''	13/4 SC	LP	ΗM	SGP			3	A8.6	A8.6	-( 31	3	259 ·		-				•	-								<ol> <li>SEE GENERAL NOTES ON COLOR SCHEDULE, SHEET A2.8, FOR TYPICAL DOOR &amp; WINDOW FINISHES.</li> <li>9. HANDLES, PULLS, LATCHES, LOCKS, AND OTHER OPERABLE PARTS ON DOORS AND GATES SHALL BE 34 INCHES MINIMUM</li> </ol>
218 C	3'-0 <b>'</b> × 7-0''	13/4 SC	LP	НM	SGP		- 45	3	105 1 	05/ -   A8.6	- 26	З	260 ·							-								AND 44 INCHES MAXIMUM ABOVE THE FINISH FLOOR OR GROUND.
219 C	3'-0 <b>'</b> × 7-0"	13/4 SC	LP	НМ	SGP			4	105 1	05 -	- 21	2	261 ·							-				· /	·	•		IU. FOR ADDITIONAL SIGNAGE NOT SHOWN IN SCHEDULE, SEE 14
220 C	3'-0 <b>'</b> x 7-0"	13/4 SC	LP	НМ	SGP			4	105 1	05 -	- 21	2	262 ·		_													REMARKS
221 C	3'-0" x 7-0"	13/4 50		НМ	SGP		- 20	4	105 1	05/-	- 19		263 -		<u>.</u>													1. PROVIDE ACCESSIBLE EXIT SIGNAGE. SEE DETAIL 201/A8.11
									A8.6 105 1	/ A8.6 05 / -	- / 10	K												· /	/ · /	/ · · /		2. PROVIDE ACCESSIBLE RESTROOM SIGNAGE. SEE DETAIL 217/A8.11
222 C	3-0" x 7-0"	13/4 50		HM	SGP		20	4	A8.6	A8.6		$X^2$	264 -		-										/.	/ .		3. PROVIDE ROOM IDENTIFICATION SIGNAGE. SEE DETAIL 212/A8.11
223 B	3'-0" × 7-0"	13/4 SC	LP	ΗM	SGP	T CLR	- 20	2,3	A8.6	A8.6	17	З	265 ·		-	-		-		-					/.	/.		
224 D	3'-0' x 7-0"	13/4 SC	LP	ΗM	SGP	T CLR		3	105   1   A8.6	05/ -   A8.6	25	) 3	DC	OR TY	'PES													DOOR SIGNAGE
225 B	3'-0" x 7-0"	13/4 SC	LP	ΗM	SGP	T CLR	- 20	2,3	105 1 A8.6	05 -   A8.6	17	З																1. BUILDING ENTRANCE/ ISA SIGNAGE, SEE DETAIL 212 / A8.11
226 B	3'-0" × 7-0"	13/4 SC	LP	ΗM	SGP	T CLR	- 20	2,3	105 1	05 -	17	з																2. TACTILE EXIT SIGNAGE, SEE DETAIL 201/A8.11. AND/OR SEE ELECTRICAL PLANS FOR ILLUMINATED EXIT REQUIREMENTS.
227 D	3'-0' x 7-0"	13/4 SC	LP	HM	SGP	T CLR		3	105 1	05/-	- 25	Кз	_		-	-					<b>N</b>	]	١	ع *	┍ ┲╢╦╄	-		3. ROOM IDENTIFICATION SIGNAGE, SEE DETAIL 212/A8.11 (VERIFY ROOM NAME & NUMBER
		12/4				T (1 D	- 20		A8.6 105 1	/A8.6 05/ -	- / 17		_					4								ē.		SIDE OF THE WALL, TYP. ALL ROOMS.
220 B	3-0 x 7-0	13/4 90			90P		20	ر, ے	A8.6	A8.6			_							<b></b> \						É.		4. RESTROUTSIGNAGE, SEE DETAIL 21//A8.11.
229 B	3'-0' × 7-0"	13/4 SC	LP	HM	SGP	T CLR	- 20	2,3	A8.6	A8.6	17	<b>Х</b> 3	_						ŀ	i l					Ĭ,	Ē.		
230 B	3'-0' x 7-0"	13/4 SC	LP	ΗM	SGP	T CLR	20	2,3	105/1 	05/ -   A8.6	17	З							d	m L					m,	Ѓ—		
231 D	3'-0" × 7-0"	13/4 SC	LP	HM	SGP	T CLR		3	105 1 A8.6	05 - A8.6 /	- 25	3		(A)		-	B	)		Ň	6		 (					
232 B	3'-0 <b>'</b> × 7-0"	13/4 SC	LP	HM	SGP	T CLR	- 20	2,3	105 1	05 -	- 17	З		$\bigcirc$			9				$\bigcirc$		· · ·	$\smile$				
<sup>2</sup> 5: 233 B	3'-0" x 7-0"	13/4 50		НМ	SGP	T CIR	- 20	2.3	105 1	05/ -	-		_															
30/18 2								_,_	A8.6	/A8.6 05/ -		K	_															
234 B	3'-0' x 7-0"	13/4 SC	LP	HM	SGP	T CLR	20	2,3	A8.6	A8.6		3	_															
<sup>cp.</sup> 235 -			-	-			-																					
236 -			-	-						· / ·																		
237 ·			-	-	-			-																				
238 ·		· · ·	-	-	-								-															
										/ · / · / ·			_															
				-	-	· · · ·		-		/ . . /			_															
<sup>≫</sup> 24 <i>О</i> · ⊮	·	· · ·	-	-	-				<u>/.</u>	/ . /			_															
spield 241				-	-			-	· / ·	·// ·																		
242 ·				-																								

# **BINPBK**

## 7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467 www.sim-pbk.com

PROJECT:

## SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_56_Picture_19.jpeg)

## AD 2-17a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_56_Picture_22.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

REVISIONS

No.	DATE	DESCRIPTION
A	2.14.23	DISTRICT MODIFICATIONS
$\triangle$	2.27.23	DISTRICT MODIFICATIONS

![](_page_56_Picture_29.jpeg)

	WINDOW SCHEDULE										WINDOW SCHEDULE												
			WINI	DOW		FRAME		וס	ETAILS						WINE	DOW		FRAME			ETAILS		
, No.	/ TYPE				Ļ		Ю N				თ	V No.	/ ТҮРЕ				Ļ		Ю И				თ
	NOQN/		ЪЕ	HSIN	ATERIA	HSIN	RE RAT	EAD	AMB		E A A R K	NODNI			ЧРЕ	HSIN	ATERIA	NISH	RE RAT	EAD	AMB		Д Д Д Д Д Д Д Д Д Д Д Д Д Д Д Д Д Д Д
≤ 201	3 A	WINDOW SIZE					Ē.	і 90	ר פז	ର ୭2	₩	> 2384	3	WINDOW SIZE			Σ FG	E FT	Ē.	П 94	`٢ 95	ন 96	1
201			<u>ī</u>					A8.5 90	<b>A8.5</b> 192	<b>A8.5</b> 92	1	0204		7 0" 5" 10"						A8.5 94	/ A8.5 95 /	A8.5 96	-
202		2-81 X 0-9				ANOD	-	A8.5	A8.10	A8.5 92	1	250A	Б	7-0 x5-10			FG		-	A8.5 98	A8.5 99	A8.5	I
203	E	24'-0" × 18'-5"	DL	TNT	ALUM	ANOD	-	A8.5	A8.10	A8.5	1	239		3'-0" x 5'-10"	DL	TNT	FG	FT	-	A8.5	A8.5	A8.5	1
204A	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95   A8.5	96 A8.5	1	240A	С	7-0" x 5'-10"	DL	TNT	FG	FT	-	98 A8.5	99 A8.5	A8.5	1
204B	В	7'-0" × 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95   A8.5	96 	1	24 <i>0</i> B	В	7-0" × 5'-10"	DL	TNT	FG	FT	-	98 	99   A8.5	100/ 	1
205	J	2'-6" × 8'-0"	DL	TNT	FG	FT	-	261 : A8.14	265 A8.14	267 /A8.14	1	242A	С	7-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95   A8.5	96 	1
206	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95 A8.5	96 	1	242B	В	7-0" × 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95   A8.5	96 A8.5	1
207	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 	95 A8 5	96 	1					-	-	-	-				
208A	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	98	99	100	1	243	E	. 24'-0" x 18'-5"	DL	TNT	ALUM	ANOD	-	90	192	92	1
208B	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	98 98	99 /	100	1	244	D	9'-6" × 18'-5"	DL	TNT	ALUM	ANOD	-	90 90	192	92	1
200		3' 0" × 5' 10"			EG	ET		A8.5 98	/ A8.5 99 /	/ A8.5 100	1	245	E	5' 0" x 7 2"	6		ДМ	9	15	A8.5 107	A8.10 107	A8.5	
203								A8.5	A8.5 <b>265</b>	A8.5 <b>26</b> 7		240		5-0 x 7-2				r 		<b>A8.6</b>	<b>A8.6</b>	<b>A8.6</b>	
210	G	5-0" x 8'-0"			FG			A8.14	A8.14 265	A8.14		246	F	5'-U" x 7-2"	5	ULR	HM	Р	45	<b>A8.6</b>	<b>A8.6</b>	<b>A8.6</b>	
211	Н	6'-0" x 5'-10"	DL	TNT	FG	FT	-	A8.14	A8.14	A8.14	-	247	F	5'-0" × 7-2"	5	CLR	HM	Р	45	A8.6	A8.6	A8.6	
212	I	3'-0" x 5'-10"	DL	TNT	FG	FT		98   A8.5	99   A8.5	100 A8.5	1	248	F	5'-0" × 7'-2"	S	CLR	HM	Р	45	A8.6	A8.6	A8.6	
213A	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	98 	99   A8.5	100 A8.5	1	249	F	5'-0" × 7'-2"	S	CLR	ΗM	Р	45	107 <b>A8.6</b>	107 <b>A8.6</b>	107 <b>A8.6</b>	
213B	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	98 A8.5	99 A8.5	100 A8.5	1	250	F	5'-0" × 7'-2"	S	CLR	НM	Р	45	107 <b>A8.6</b>	107 <b>A8.6</b>	107 <b>A8.6</b>	
214A	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95 A8.5	96 	1	251	F	5'-0" × 7-2"	5	CLR	НМ	Р	45	107 A8.6	107 / A8.6	107 A8.6	
214B	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94	95	96	1	251.1	F	5'-0" × 7-2"	S	CLR	НМ	Р	45	107	107	107	
215	J	2'-6" × 8'-0"	DL	TNT	FG	FT	-	261	265	267	1	252	F	5'-0" × 7'-2"	S	CLR	НМ	Р	45	107	107	107	
216	c	7'-0" x 5'-10"	DL		FG	FT	-	<b>A8.14</b> 94	<b>A8.14</b> 95	A8.14 96	1	253	F	5'-0" x 7-2"	5	CLR	НМ	р	45	<b>A8.6</b>	<b>A8.6</b>	<b>A8.6</b>	
217	2	7' 0" × 5' 10"			EG	ET		A8.5 94	A8.5 95	A8.5 96	1	254	-	5' 0"×7 0"	6	CLP	ЦМ	p	15	<b>A8.6</b> 107	<b>A8.6</b> 107	<b>A8.6</b>	
217			DL					A8.5 94	A8.5 95	A8.5 96	-	2.)4			5					<b>A8.6</b>	<b>A8.6</b>	<b>A8.6</b>	
218	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	A8.5	A8.5	A8.5	1	255	F	5'-0" x 7-2"	5	CLR	HM	Р	45	A8.6	<b>A8.6</b>	<b>A8.6</b>	·
219	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	A8.5	A8.5	A8.5	1	256	F	5'-0" x 7-2"	5	CLR	НМ	Р	45	A8.6	A8.6	A8.6	·
220	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95   A8.5	96 A8.5	1	257	F	5'-0" × 7'-2"	S	CLR	НМ	Р	45	A8.6	A8.6	A8.6	
221	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95   A8.5	96   A8.5	1	258	F	5'-0" × 7-2"	S	CLR	ΗМ	Р	45	107 A8.6	107 <b>A8.6</b>	107 <b>A8.6</b>	
222	С	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95   A8.5	96   A8.5	1	259	F	5'-0" × 7-2"	S	CLR	НM	Ρ	45	107 <b>A8.6</b>	107 <b>A8.6</b>	107 <b>A8.6</b>	
223	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 A8.5	95 A8.5	96 A8.5	1	260	F	5'-0" × 7-2"	S	CLR	Τ	Р	45	107 / A8.6	107 <b>A8.6</b>	107 <b>A8.6</b>	
224	К	2'-0" × 2'-0"	DL	TNT	FG	FT	-	94 AR 5	95 (AR 5	96 AR F	-	261	F	5'-0" × 7-2"	5	CLR	HM	Р	45	107 AR G	107 AR 6	107 AR G	
225	К	2'-0" × 2'-0"	DL	TNT	FG	FT		94	95	96	-	262	F	5'-0" × 7-2"	S	CLR	НМ	р	45	107	107	107	
226	С	7'-0" x 5'-10"	DL	TNT	FG	FT		98	<b>207</b> / 99	100	1									0.00	/ 20.0	0.0	
227	B	7'-0" x 5'-10"	וס	TNT	FG	FT		A8.5 98	/ A8.5 99	/ A8.5 100	1												
220		7 ("		TNIT	EC			A8.5 94	/ A8.5 95 /	/ A8.5 96 /	1												
228		/-U X D-IU						A8.5	A8.5 95 /	/A8.5 96 /	1												
229	В	7'-0" x 5'-10"	DL		FG	FT		A8.5	A8.5	- A8.5	1												
230	С	7'-0" x 5'-10"	DL	TNT	FG	FT		20 A8.5	يور A8.5	A8.5	1		GE	NERAL NOTES									
231	В	7'-0" x 5'-10"	DL	TNT	FG	FT		98 A8.5	99   A8.5	100 A8.5	1	1.	AL	LL WINDOWS WITHIN 24" OF	=DOOR	OR 18" F	FROM GR	ROUND S	HALL B	E TEMPE	RED GL	455.	
232	С	7'-0" x 5'-10"	DL	TNT	FG	FT		94 A8.5	95 A8.5	96 	1	2. 3.	WII ALI	INDOW JAMBS AT LOCATIO	ONS WI <sup>-</sup> DOOR O	TH VINY R OPER	'L BACKI ABLE W	BOARD F	FINISH T ARE TO	O RECEN BE TEMP	VE V.T.B PERED.	. WRAP.	
233	В	7'-0" x 5'-10"	DL	TNT	FG	FT	-	94 	95   A8.5	96 	1	4.	SE	EE 97/A8.5 FOR FLASHING	SEQUEN	ICE			-		-		
234	н	6'-0" x 5'-10"	DL	TNT	FG	FT		261	265 (AR 14	267		5.	FO	OR CONDITIONS AT METAL I	PANELS	NOTS	PECIFICA	ALLY RE	FERENC	CED, SEE	SHEETS	6 A8.14 &	A8.15
235	G	5'-0" × 8'-0"	DL	TNT	FG	FT		261	265	267													
236		3'-0" x 5'-10"	DI	TNT	FG	FT		A8.14 98	/A8.14 99	/ <b>A8.14</b> 100	1			VV V PKC									
		7' (", [' 10"	Ĺ					/A8.5 98/	/A8.5 99 /	/A8.5 100/	1												
237A		/-U × 5'-10"			FG			A8.5	A8.5	A8.5	I	1.	PRO	20VIDE VERTICAL LOUVER	S (SPEC	C. SECTI	ON 12510	))					
237B	В	7'-0" × 5'-10"	DL	TNT	FG	FT		 	 	A8.5	1												

![](_page_57_Figure_1.jpeg)

## ABBREVIATIONS

c	MARLITE PANEL OBSCURE PAINT PLATE PICTURE WINDOW SINGLE GLAZED SOLID CORE SEMI GLOSS PAINT SINGLE-HUNG SEAL STAIN STEEL TEMPERED "TIMELY" FRA TINTED TAPE & TEXTURED VARIES WIRE GLASS

COLOR SCHEDULE					COLOR SCHE	DULE					ABBREVIATIONS
											CC CUBICLE CURTAIN
											CPT CARPET
											CS COMPOSITE PANELING
				ARKS						1 ARKS	LVT LUXURY VINYL TILE
	MANUFACTURER	SITLE	COLOK				MANUFACTUKEK	SITLE			MT METAL
RUBBER TOPSET BASE	BURKE	4" <b>&amp;</b> 6"	#660, ROCKY		CUBICLE CURTAIN		ARC COM	#AC-33103, NAMI	SEA MIST #4	10	
SOLID SURFACE	DALTILE	ONE QUARTZ SURFACES	#NQ52, MERCER GREY, VELVET	. <	CORNER GUARD	<6-1>	KOROGARD	G520	STAINLESS STEEL	-	RTB RUBBER TOPSET BASE
SHEET VINYL	ALTRO	SAFETY FLOORING		· /	CARPET TILE		MOHAWK GROUP	COLOR BALANCE, #GT405 (12" × 36")	#959, BEDROCK	5,8	RT RUBBERIZED NON-SLIP TREAD
TILE TILE	DALTILE	LINEAR (8" x 24")	MATTE ARCTIC WHITE	1, 4	CARPET TILE		MOHAWK GROUP	COLOR BALANCE, #GT405 (12" × 36")	#969, TITANIUM	5,8	SO SOLID QUARTZ SURFACE
TILE TILE	DALTILE	CHORD (12" × 24")	#CH25 FORTE GREY	2	CARPET TILE	(FT-3)	MOHAWK GROUP	COLOR BALANCE, #GT405 (12" × 36")	#556, FILTERED	5, 8	
TILE TILE	DALTILE	SURFACE PAVER (6" × 6")	0Q96 CHARCOAL W/6" BASE	9	CARPET TILE		MOHAWK GROUP	COLOR BALANCE, #GT405 (12" × 36")	#566, ELECTRIC	5,8	VTB VINYL TACKBOARD
	-			.)	CARPET TILE		MOHAWK GROUP	COLOR BALANCE, #GT405 (12" × 36")	#641, PUNCHY	5,8	
VINYL TACKBOARD	KOROSEAL	ORLEANS	#R921-01 BEIGNET		CARPET TILE		MOHAWK GROUP	COLOR BALANCE, #GT405 (12" × 36")	#252, SOLAR	5, 8	
VINYL TACKBOARD	KOROSEAL	CHAPFIELD-CLARKE	MISTY GRAY	<u> </u>	CARPET TILE		MOHAWK GROUP	FIRST STEP II, #GT315 / #QL315 (24" x 24")	#955, COBALT		
	ARMSTRONG	CLEAN ROOM VL	WHITE			$\langle \cdot \rangle$					-
	KOROGARD		#GOOF MANITORA MAPI F								
					FIBER REINFORCED PANEL		NUDO	EMBOSSED	WHITE (50)	-	
	KOROGARD	WALL PROTECTION SYSTEMS	#C500, 5 1/4", MANITOBA MAPLE		FIBER REINFORCED PANEL		NUDO	SMOOTH	WHITE (50)	-	
	ACROVYN	ACROVYN 4000	#262 DRIFTWOOD		LUXURY VINYL TILE		MOHAWK	LINEATE	948 FIGURED	5	
CORNER GUARDS	ACROVYN	ACROVYN 4000	#262 DRIFTWOOD	·	LUXURY VINYL TILE	<b>√</b> √1-2>	MOHAWK	LINEATE	232 BARRED	5	GENERAL NOTES
TACKBOARD	KOROSEAL	WALLTALKERS TAC-WALL (18" × 48")	CAYENNE		LUXURY VINYL TILE	<b>√</b> √-3>	MOHAWK	LINEATE	656 LINES	5	1. SEE SPECIFICATIONS FOR SUSPENDED ACOUSTICAL CEILING TILE TYPE.
TACKBOARD	KOROSEAL	WALLTALKERS TAC-WALL (18" × 48")	BOTANICAL		METAL ROOFING		IMETCO		CADET GRAY		2. ALL PAINT COLOR TRANSITIONS SHALL OCCUR AT INTERIOR CORNERS.
TACKBOARD	KOROSEAL	WALLTALKERS TAC-WALL (18" x 48")	CITRINE		METAL WALL SYSTEM (CORRUGATED)	×17-2>	IMETCO		CADET GRAY		3. WINDOW JAMBS AT LOCATIONS WITH VINYL BACKBOARD FINISH TO RECEIVE V.T.B. WRAP.
TACKBOARD	KOROSEAL	WALLTALKERS TAC-WALL (18" × 48")	DEEPSEA		METAL COMPOSITE PANEL (SMOOTH)	×1-3	ALUCOBOND		CHAMPAGNE METALLIC	-	4. SEE DETAIL 140/A8.7 FOR SUSPENDED ACOUSTICAL CEILING TILE SYSTEM
TACKBOARD	KOROSEAL	WALLTALKERS TAC-WALL (18" x 48")	PEWTER		METAL COMPOSITE PANEL (SMOOTH)		ALUCOBOND		CHESTNUT (PVDF)	11	5. ALL VINYL TACKBOARD TO BE APPLIED OVER GYPSUM BOARD SUBSTRATE.
			$\overline{}$		PAINT		BENJAMIN MOORE		#OC-57, WHITE HERON		6. CORNER GUARDS SHALL BE USED ON EXTERIOR CORNERS RIGID SHEET WALL PANELS. COLOR TO MATCH ADJACENT
			$\wedge$		PAINT	(P-2)	SHERWIN WILLIAMS		#SW 1015, SKYLINE STEEL		7. EXTERIOR SIDE OF HOLLOW METAL DOORS & FRAMES SHA
			2		PAINT	P-3>	SHERWIN WILLIAMS		#SW7642 PAVESTONE		8. INTERIOR SIDE OF HOLLOW METAL DOORS & FRAMES SHA
						P-4					₹₽-3>
									#3W 0042, KUSKIN KOOP GREEN	-	8. PLASTIC LAMINATE DOOR FINISH SHALL BE: W/ VERTICAL WOOD GRAIN.
					PAINT		SHERWIN WILLIAMS	·	#SW 7617, MEDITERRANEAN	-	
					PAINT	< <u>P6</u> >	SHERWIN WILLIAMS		#SW 6229, TEMPE STAR	-	
					PAINT	< <u>P-7</u>	BENJAMIN MOORE		#2175-30, RUST		REMARKS
					PAINT	(P3)	BENJAMIN MOORE		#2132-10, BLACK	-	1. GROUT COLOR SHALL BE: CUSTOM BUILDING PRODUCTS PRISM SURE COLOR GROUT, #335 WINTER GRAY
					PAINT (EXTERIOR)	(P.9)	SHERWIN WILLIAMS		#SW7541, GRECIAN IVORY		2. GROUT COLOR SHALL BE: CUSTOM BUILDING PRODUCTS PRISM SURE COLOR GROUT, #543 DRIFTWOOD
					PAINT (EXTERIOR)	(P-10)	BENJAMIN MOORE		#HC-105, ROCKPORT GRAY		3. TILE INSTALLATION SHALL BE 90 DEGREE HERRINGBONE F AS SHOWN ON INTERIOR ELEVATIONS.
					PAINT (EXTERIOR)	P-11	SHERWIN WILLIAMS		#SW7019, GAUNTLET GRAY		4. TILE INSTALLATION SHALL BE STACKED PATTERN AT REST
					PAINT (EXTERIOR)	(P-12)	BENJAMIN MOORE		#HC-10, STUART GOLD		<ol> <li>SEE FINISH FLOOR PLAN, SHEET A2.9 thru A2.10 FOR FLOOR</li> <li>DECTION OF INGTALL ATION</li> </ol>
					PLASTIC LAMINATE		FORMICA	NATURAL GRAIN	#8910-NG, RAW BIRCHPLY	7	<ul><li>6. SEE EXTERIOR ELEVATIONS FOR LOCATION OF SMOOTH \$</li></ul>
					PLASTIC LAMINATE	PL-2	FORMICA	NATURAL GRAIN	8910-NG RAW BIRCH PLY		<ol> <li>CORRUGATED METAL PANELS</li> <li>RUN GRAIN ON PLASTIC LAMINATE HORIZONTAL, UNLESS (</li> </ol>
					PLASTIC LAMINATE	<b>R</b> -3	FORMICA	MATTE FINISH	#928-58, MOUSE		8. CARPET TILE INSTALLATION SHALL BE 90 DEGREE HERRIN
					FLASTIC LAMINATE						
					PLASTIC LAMINATE		ARBORITE	· ·	#P-400 CA, CHAMBRAY FUSAIN		9. GROUT COLOR SHALL BE: CUSTOM BUILDING PRODUCTS PRISM SURE COLOR GROUT #185 NFW/ TAI IPF
					PLASTIC LAMINATE	<pl-6></pl-6>	ARBORITE		#P-382 CA, CLOUDY TWILL	•	10. CUBICLE CURTAIN IS LOCATED IN NURSE 132.
						-					11. WOODGRAIN SERIES BY ALUCOBOND (OR APPROVED EQU
					PLASTIC LAMINATE (STAGE)		WILSONART	LINEARITY FINISH	#7939K-18, BLONDE ECHO	7	12. ADD LAYER OF SHEETROCK UNDER KOROGARD TO MATCH THICKNESS OF THE TACKBOARD.
					TOILET PARTITION	PRT-1	SCRANTON PRODUCTS	HINY HIDERS	CONCRETE (ORANGE PEEL)		
					PROTECTIVE WALL COVERING		KOROGARD	WALL PROTECTION SYSTEMS	SHEET .040 THICKNESS, MANITOBA MAPLE	12	

![](_page_58_Picture_1.jpeg)

# **SINPBK**

## 7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467 www.sim-pbk.com

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_58_Picture_5.jpeg)

## AD 2-19a S&B Elementary 02-116800

![](_page_58_Picture_7.jpeg)

# THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

JOHN H. SMITH, A.I.A. C15885

DATE	ISSUED FOR
REVISIONS	

	1	
No.	DATE	DESCRIPTION
$\triangle$	2.14.23	DISTRICT MODIFICATIONS
A	2.27.23	DISTRICT MODIFICATIONS

COLOR SCHEDULE

SHEET No. JOHN SMITH 17-67 A2.8 DATE 1.27.23 SCALE AS NOTED

![](_page_58_Picture_14.jpeg)

![](_page_58_Picture_15.jpeg)

SHEET DESCRIPTION

PROJECT COORDINATOR PROJECT NO.

- SAT
- ALL BE:
- ALL BE:

- PATTERN AS
- TROOM
- )R
- OTHERWISE
- NGBONE

![](_page_58_Figure_38.jpeg)

- UAL)
- CH THE

![](_page_59_Figure_0.jpeg)

![](_page_59_Picture_7.jpeg)

## 7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467 www.sim-pbk

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_59_Picture_10.jpeg)

AD 2-20a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_59_Picture_13.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE FLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY. THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

	DATE	ISSUED FOR
1		

REVISIONS

No.	DATE	DESCRIPTION
$\triangle$	2.14.23	DISTRICT MODIFICATIONS
A	2.27.23	DISTRICT MODIFICATIONS

SHEET DESCRIPTION

1/4**-**1-0"

![](_page_59_Picture_20.jpeg)

![](_page_60_Figure_0.jpeg)

- KNEE SPACE
   VINYL TACKBOARD 0/ GYP. BD.
   RUBBER TOPSET BASE PAPER TOWEL DISPENSER 6. GYPSUM BOARD. TAPE, TEXTURE & PAINT (PROVIDE 5/8" TYPE 'X' GYP. BD. AT STAIRWAYS AND UNDERSTAIR WALL/CEILING FINISHES, TYP.) 9. FLOOR SINK - SEE PLUMBING 10. UNDER-COUNTER REFRIGERATOR FIRE EXTINGUISHER w/ SEMI RECESSED CAB. TYPE 2A:10BC 12. PLASTIC LAMINATE CASEWORK 13. W.I.C. 400 STORAGE SHELVING 14. FIBER REINFORCED PANEL 15. PLASTIC LAMINATE BACKSPLASH & COUNTERTOP 16. METAL POST, PER STRUCTURAL 17. SINK - SEE PLUMBING SCHEDULE 18. MAGNETIC MARKER BOARD 0/VTB 19. APPLIANCES - SEE SPEC SECTION 11400 20. BUTCHER PAPER HOLDER 23. REFRIGERATOR - FULL HEIGHT 26. STAINLESS STEEL COUNTERTOP 30. CLEAR GLASS DISPLAY CASE w/ LOCK (SEE SPEC. SECT. 10410)
  31. FEMININE NAPKIN DISPOSAL 33. TRACK AND CUBICLE CURTAIN. 37. TRANSLUCENT WALL SYSTEM 40. BELOW STAGE STORAGE 41. SHEET VINYL COVED BASE 43. RAILING, SPACING SHALL BE SUCH THAT A 4" DIA. SPHERE CANNOT PASS THROUGH ANY OPENING, PER CBC 1013 47. TOILET PAPER DISPENSER 48. TOILET SEAT COVER DISPENSER 49. DATA RACEWAY. SEE ELECTRICAL DRAWINGS. 51. 4' HIGH CORNER GUARD, TYP. 53. PLASTIC TOILET PARTITION 55. MANUFACTURED 3'Wx6'H MTL. SHELVING, SEE S-1/K8.0 56. SPEAKER ENCLOSURE AND GRILLE 58. PLASTIC LAM. DOOR, 11/2" THICK 59. PROVIDE 3/4" LAM. PLASTIC SUPPORTS AT STOREFRONT, 67. METAL LETTERS (SEE SPECS) 71. 2x3 SHAPED WOOD NAILER MOVABLE ROD TO BE PLACED AT 44" FOR ADA COMPLIANCE. OPTIONAL. MOTORIZED SCREEN, SEE 143/A8.8 75. PLASTIC LAMINATE PANELING AND DOORS 76. WINDOW WALL, SEE T2 FOR DEFERRED ITEMS
  77. CLEAR GLASS POSTER CASE w/LOCK (SEE SPEC. SECT. 10410) 79. WALL CLOCK, SEE SPEC SECTION 10050 81. PLASTIC LAMINATE COUNTERTOP 82. SOLID SURFACE COUNTERTOP 83. PERFORATED DECORATIVE METAL PANEL 84. WALL PROTECTION PANEL (2)2" TACK STRIPS, 12' LONG BY WALLTALKERS OR EQUAL STRUCTURAL MEMBER TO BE PAINTED, SEE STRUCTURAL NOTES: 1. SEE DTL. 219/A8.11 FOR ACCESSIBILITY STANDARDS 2. ALL SHELVING WITH SPANS GREATER THAN 30" TO BE 1" THICK 3. REFER TO COLOR SCHEDULE (SHEET A2.8) FOR ALL COLOR REFERENCES, TYP.
  - 4. ALL CARPET USES A CARPET BASE #86 ALL MONDO RUBBER FLOORS USE A RUBBER TOPSET BASE #3 ALL AHRO FLOORS USE SELF-COVER BASE #41 ALL STAINED & DYED CONCRETE FLOORS USE TOPSET #3

## SYMBOL LEGEND

CASEWORK SYMBOL
-----------------

HEIGHT - MODIFIED 94 / M 24 - DEPTH 402-CASEWORK MODEL **ISINPBK** 

O NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 1559.448.8400 F559.448.8467

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_60_Picture_11.jpeg)

## AD 2-21a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_60_Picture_14.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECT'S LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

ISSUED FOR DATE

REVISIONS

	No.	DATE	DESCRIPTION
	$\overline{\Lambda}$	2.14.23	DISTRICT MODIFICATIONS
	À	2.27.23	DISTRICT MODIFICATIONS
-			

![](_page_60_Picture_21.jpeg)

![](_page_61_Figure_0.jpeg)

## KEYNOTES

 KNEE SPACE
 VINYL TACKBOARD o∕ GYP. BD.
 RUBBER TOPSET BASE 4. STOREFRONT 5. PAPER TOWEL DISPENSER 6. GYPSUM BOARD. TAPE, TEXTURE & PAINT (PROVIDE 5/8" TYPE 'X' GYP. BD. AT STAIRWAYS AND UNDERSTAIR WALL/CEILING FINISHES, TYP.) 7. ROOF ACCESS LADDER 8. SOFFIT 9. FLOOR SINK - SEE PLUMBING 10. UNDER-COUNTER REFRIGERATOR 11. FIRE EXTINGUISHER w/ SEMI RECESSED CAB. TYPE 2A:10BC 12. PLASTIC LAMINATE CÁSEWORK 13. W.I.C. 400 STORAGE SHELVING 14. FIBER REINFORCED PANEL 15. PLASTIC LAMINATE BACKSPLASH & COUNTERTOP 16. METAL POST, PER STRUCTURAL 17. SINK - SEE PLUMBING SCHEDULE 18. MAGNETIC MARKER BOARD o/VTB 19. APPLIANCES - SEE SPEC SECTION 11400 APPEIANCES – SEE SPEC SECTI
 BUTCHER PAPER HOLDER
 DISHWASHER
 HOOD
 REFRIGERATOR – FULL HEIGHT
 COOKTOP 25. ROLL-UP DOOR 26. STAINLESS STEEL COUNTERTOP 27. FURNITURE (N.I.C.) 28. DRINKING FOUNTAIN 29. CLOCK/SPEAKER 30. CLEAR GLASS DISPLAY CASE w/ LOCK (SEE SPEC. SECT. 10410) 31. FEMININE NAPKIN DISPOSAL 32. MIRROR 33. TRACK AND CUBICLE CURTAIN. 34. STAIRCASE 35. HANDRAIL 36. N/A 37. TRANSLUCENT WALL SYSTEM 38. WOOD BASE 39. WHEEL CHAIR LIFT 40. BELOW STAGE STORAGE 41. N/A 42. ELEVATOR LANTERN 43. RAILING, SPACING SHALL BE SUCH THAT A 4" DIA. SPHERE CANNOT PASS THROUGH ANY OPENING, PER CBC 1013
44. CALL BUTTON 45. ELEVATOR DOORS 46. LAVATORY 47. TOILET PAPER DISPENSER 48. TOILET SEAT COVER DISPENSER 49. DATA RACEWAY. SEE ELECTRICAL DRAWINGS. 50. CLOCK 51. 4' HIGH CORNER GUARD, TYP. 52. SOAP DISPENSER 53. PLASTIC TOILET PARTITION 54. SIGNAGE 55. MANUFACTURED 3'Wx6'H MTL. SHELVING, SEE S-1/K8.0 56. SPEAKER ENCLOSURE AND GRILLE 57. MOP/BROOM HOLDER 58. PLASTIC LAM. DOOR, 1 1/2" THICK 59. PROVIDE 3/4" LAM. PLASTIC SUPPORTS AT STOREFRONT, AT 4'-0"0.C. 60. RAYTHERMS (N.I.C.) 61. URINAL 62. MICROWAVE (N.I.C.) 63. PLASTIC LAMINATE CAP 64. CERAMIC TILE 65. GRAB BAR 66. WATER CLOSET 67. METAL LETTERS (SEE SPECS) 68. PONY WALL BEHIND 69. ROOM CAPACITY SIGN 70. TECTUM PANELS 71. 2x3 SHAPED WOOD NAILER 72. UTILITY BOX 73. MOVABLE ROD TO BE PLACED AT 44" FOR ADA COMPLIANCE. OPTIONAL. 74. MOTORIZED SCREEN, SEE 143/A8.8 75. PLASTIC LAMINATE PANELING AND DOORS 76. WINDOW WALL, SEE T2 FOR DEFERRED ITEMS 77. CLEAR GLASS POSTER CASE w/LOCK (SEE SPEC. SECT. 10410) 78. 1/2" REVEAL SCREEDS 79. WALL CLOCK, SEE SPEC SECTION 10050 80. MICROWAVE OVEN 81. PLASTIC LAMINATE COUNTERTOP 82. SOLID SURFACE COUNTERTOP 83. PERFORATED DECORATIVE METAL PANEL 84. WALL PROTECTION PANEL 85. ICE MACHINE 86. CARPET BASE 87. N/A 88. CÓRNER GUARD 89. STRUCTURAL MEMBER TO BE PAINTED, SEE STRUCTURAL 90. EPOXY, EPF-1 91. CASEWORK 92 TAC-WALL PANELS (93. (2)43" MONITORS FOR ADMIN WAITING AREA WITH (93. (2)43 MONITOR'S FOR ADMIN WATTING AREA (94. MONITOR CONTROL DEVICE & HDMI DEVICES NOTES: 1. SEE DTL. 219/A8.11 FOR ACCESSIBILITY STANDARDS 2. ALL SHELVING WITH SPANS GREATER THAN 30" TO BE 1" THICK 3. REFER TO COLOR SCHEDULE (SHEET A2.8) FOR ALL COLOR REFERENCES, TYP. 4. ALL CARPET USES A CARPET BASE #86 ALL MONDO RUBBER FLOORS USE A RUBBER TOPSET BASE #3 ALL AHRO FLOORS USE SELF-COVER BASE #41 ALL STAINED & DYED CONCRETE FLOORS USE TOPSET #3

## SYMBOL LEGEND

CASEWORK SYMBOL	
HEIGHT MODIFIED 84 M 24 - DEPTH 402 CASEWORK MODEL 36 L LOCK WIDTH	

# **SINPRK**

## 790 NORTH PALM AVENUE RESNO. CALIFORNIA 93711

PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_61_Picture_9.jpeg)

## AD 2-22a **S&B Elementary** 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_61_Picture_12.jpeg)

THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES I COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECT'S LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

## REVISIONS

	No.	DATE	DESCRIPTION
	$\overline{1}$	2.14.23	DISTRICT MODIFICATIONS
	À	2.27.23	DISTRICT MODIFICATIONS
-			

SHEET DESCRIPTION	
INTER ELEVA	rior Tions
	MAIN - 1ST FLOOR
PROJECT COORDINATOR	SHEET No.
JOHN SMITH	
PROJECT NO.	
17-67	
DATE	– AJ.J
1.27.23	
SCALE	
1/4"=1'-0"	

![](_page_62_Figure_0.jpeg)

## ↔ KEYNOTES

![](_page_63_Figure_0.jpeg)

![](_page_64_Figure_0.jpeg)

## ○ KEYNOTES

- KNEE SPACE
- VINYL TACKBOARD o/ GYP. BD. RUBBER TOPSET BASE
- STOREFRONT
- PAPER TOWEL DISPENSER
- GYPSUM BOARD. TAPE, TEXTURE & PAINT (PROVIDE 5/8" TYPE 'X' GYP. BD. AT STAIRWAYS AND UNDERSTAIR WALL/CEILING FINISHES, TYP.) ROOF ACCESS LADDER
- SOFFIT
- FLOOR SINK SEE PLUMBING UNDER-COUNTER REFRIGERATOR
- FIRE EXTINGUISHER W/ SEMI RECESSED CAB. TYPE 2A:10BC
- PLASTIC LAMINATE CASEWORK W.I.C. 400 STORAGE SHELVING
- FIBER REINFORCED PANEL
- PLASTIC LAMINATE BACKSPLASH & COUNTERTOP METAL POST, PER STRUCTURAL
- SINK SEE PLUMBING SCHEDULE
- MAGNETIC MARKER BOARD 0/VTB 19. APPLIANCES - SEE SPEC SECTION 11400
- 20. BUTCHER PAPER HOLDER
- 21. DISHWASHER 22. HOOD
- 23. REFRIGERATOR FULL HEIGHT
- 24. COOKTOP
- 25. ROLL-UP DOOR 26. STAINLESS STEEL COUNTERTOP
- 27. FURNITURE (N.I.C.)
- 28. DRINKING FOUNTAIN

## 29. CLOCK/SPEAKER 30. CLEAR GLASS DISPLAY CASE w/ LOCK (SEE SPEC. SECT. 10410) 31. FEMININE NAPKIN DISPOSAL

- 32. MIRROR
- 33. TRACK AND CUBICLE CURTAIN. 34. STAIRCASE
- 35. HANDRAIL
- 36. N/A
- 37. TRANSLUCENT WALL SYSTEM 38. WOOD BASE
- 39. WHEEL CHAIR LIFT
- 40. BELOW STAGE STORAGE 41. SHEET VINYL COVED BASE
- 42. ELEVATOR LANTERN 43. RAILING, SPACING SHALL BE SUCH THAT A 4" DIA. SPHERE CANNOT
- PASS THROUGH ANY OPENING, PER CBC 1013
- 44. CALL BUTTON 45. ELEVATOR DOORS
- 46. LAVATORY
- 47. TOILET PAPER DISPENSER
- 48. TOILET SEAT COVER DISPENSER 49. DATA RACEWAY. SEE ELECTRICAL DRAWINGS.
- 50. CLOCK
- 51. 4' HIGH CORNER GUARD, TYP. 52. SOAP DISPENSER
- 53. PLASTIC TOILET PARTITION
- 54. SIGNAGE 55. MANUFACTURED 3'Wx6'H MTL. SHELVING, SEE S-1/K8.0
- 56. SPEAKER ENCLOSURE AND GRILLE 57. MOP/BROOM HOLDER
- 58. PLASTIC LAM. DOOR, 11/2" THICK
- 59. PROVIDE 3/4" LAM. PLASTIC SUPPORTS AT STOREFRONT,
- AT 4'-0"O.C. 60. RAYTHERMS (N.I.C.)
- 61. URINAL 62. MICROWAVE (N.I.C.)
- 63. PLASTIC LAMINATE CAP
- 64. CERAMIC TILE
- 65. GRAB BAR 66. WATER CLOSET
- 67. METAL LETTERS (SEE SPECS)
- 68. PONY WALL BEHIND 69. ROOM CAPACITY SIGN
- 70. TECTUM PANELS
- 71. 2x3 SHAPED WOOD NAILER
- 72. UTILITY BOX
- MOVABLE ROD TO BE PLACED AT 44" FOR ADA COMPLIANCE. OPTIONAL.
- MOTORIZED SCREEN, SEE 143/A8.8
- PLASTIC LAMINATE PANELING AND DOORS WINDOW WALL, SEE T2 FOR DEFERRED ITEMS
- CLEAR GLASS POSTER CASE w/LOCK (SEE SPEC. SECT. 10410) 78
- 1/2" REVEAL SCREEDS WALL CLOCK, SEE SPEC SECTION 10050 79
- 80. MICROWAVE OVEN
- PLASTIC LAMINATE COUNTERTOP
- 82. SOLID SURFACE COUNTERTOP
- 83. PERFORATED DECORATIVE METAL PANEL 84. WALL PROTECTION PANEL
- 85. ICE MACHINE
- CARPET BASE
- (2)2" TACK STRIPS, 12' LONG BY WALLTALKERS OR EQUAL 88. CORNER GUARD
- 89. STRUCTURAL MEMBER TO BE PAINTED, SEE STRUCTURAL
- 90. COVED BASE 91. CASEWORK
- 92. TAC-WALL
- NOTES: 1. SEE DTL. 219/A8.11 FOR ACCESSIBILITY STANDARDS 2. ALL SHELVING WITH SPANS GREATER THAN 30" TO BE 1" THICK
  - 3. REFER TO COLOR SCHEDULE (SHEET A2.8) FOR ALL COLOR REFERENCES, TYP.
  - 4. ALL CARPET USES A CARPET BASE #86 ALL MONDO RUBBER FLOORS USE A RUBBER TOPSET BASE #3
  - ALL AHRO FLOORS USE SELF-COVER BASE #41 ALL STAINED & DYED CONCRETE FLOORS USE TOPSET #3

## SYMBOL LEGEND

- CASEWORK SYMBOL — HEIGHT ----- MODIFIED 24 - DEPTH 402
- L-LOCK - WIDTH

## GENERAL NOTES

RECESSED CLOCKS AND/OR SPEAKERS ARE PROHIBITED IN FIRE RATED WALLS WHERE OPENING PROTECTION IS REQUIRED.

# **ESINPBK**

## 790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 1559.448.8400 · F559.448.8467

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL

![](_page_64_Picture_80.jpeg)

## AD 2-25a S&B Elementary 02-116800

![](_page_64_Picture_82.jpeg)

![](_page_64_Picture_83.jpeg)

## THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOU FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECT'S LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

## DATE ISSUED FOR REVISIONS

No.	DATE	DESCRIPTION
A	2.14.23	DISTRICT MODIFICATIONS
A	2.27.23	DISTRICT MODIFICATIONS

SHEET DESCRIPTION

![](_page_64_Picture_89.jpeg)

PROJECT COORDINATOR JOHN SMITH PROJECT NO.

SHEET No.

A5.8

DATE

17-67

1.27.23

SCALE 1/4"=1'-0"

![](_page_64_Picture_98.jpeg)

![](_page_65_Figure_0.jpeg)

![](_page_66_Figure_0.jpeg)

![](_page_67_Figure_0.jpeg)

/2\

## ○ KEYNOTES

![](_page_67_Picture_6.jpeg)

# **ESINPBK**

## 7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467

![](_page_67_Picture_9.jpeg)

![](_page_67_Picture_10.jpeg)

## AD 2-28a **S&B Elementary** 02-116800

JOHN H. SMITH, A.I.A. C15885

![](_page_67_Picture_13.jpeg)

HE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY. THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

ISSUED FOR

No.	DATE	DESCRIPTION	
A	2.14.23	DISTRICT MODIFICATIONS	
$\triangle$	2.27.23	DISTRICT MODIFICATIONS	

![](_page_67_Picture_17.jpeg)

SHEET No.

A5.1

SCALE AS NOTED

![](_page_68_Figure_0.jpeg)

SCALE AS NOTED

![](_page_69_Figure_0.jpeg)

![](_page_70_Figure_0.jpeg)

![](_page_70_Figure_1.jpeg)

![](_page_70_Figure_2.jpeg)

## 

![](_page_70_Picture_4.jpeg)

![](_page_71_Figure_0.jpeg)

## 

7.

![](_page_71_Picture_4.jpeg)




#### $\bigcirc$ KEYNOTES











SOUTH ELEVATION



#### ○ KEYNOTES





#### 90 NORTH PALM AVENUE

## SHIELDS & BRAWLEY ELEMENTARY SCHOOL



## AD 2-34a S&B Elementary 02-116800



THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECT'S LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT		

	DATE	ISSUED I OR
1	REVISIONS	

No.	DATE	DESCRIPTION
$\triangle$	2.14.23	DISTRICT MODIFICATIONS
$\triangle$	2.27.23	DISTRICT MODIFICATIONS

SHEET DESCRIPTION





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

PARTIAL SOUTH ELEVATION

#### $\bigcirc$ Keynotes

1. N/A 2. 1/4" EXPANSION JOINT(S) 3. ALUMINUM STOREFRONT SYSTEM, SEE SCHEDULE 4. DRINKING FOUNTAIN SEE PLUMBING PLANS FOR INFO, SEE DTL 4/P11A FOR ANCHORAGE -5. 20" DIA. CONC. COLUMN, TYP. 6. CMU WALL 7. DECORATIVE METAL AWNING 8. METAL CANOPY 9. STEEL TRUSS, SEE STRUCTURAL DWGS. 10. N/A 11. WINDOW, SEE SCHEDULES 12. N/A 13. COPING (BY METAL PANEL MANUFACTURER) SEE DTL. 154/A8.8 14. RAISED CONC. PLATFORM 15. STAIR & HANDRAIL/GUARDRAIL -16. SECURITY CAMERA 17. ACCESSIBLE ENTRANCE SIGNAGE, SEE DTL. 209/A8.11 18. METAL LETTERS 19. 4" FOAM PLANT-ON 20. 2" EXPANSION REVEAL, TYP. \_21.\_\_N/A\_\_\_ -22. HSS COLUMN, SEE STRUCTURAL DWGS. -23. ACCESSIBLE RAMP AND HANDRAILS 24. COMPOSITE WOOD DECKING 25. ARCHITECTURAL METAL FASCIA 26. CEMENT PLASTER SHAPED FOAM CORNICE \_27.\_N/A\_\_\_\_

28. 6" T.S. COLUMN, SEE STRUCT. DWGS. 29. N/A

30.  $\frac{3}{4}$  EXPANSION JOINT. REFER TO STRUCTURAL DRAWINGS FOR ALL LOCATIONS, SEE DTL 310/A8.18 FOR TYPICAL FINISH CONDITIONS.

NOTE: REFER TO COLOR SCHEDULE (SHEET A2.8) FOR ALL COLOR REFERENCES, TYP.

#### METAL PANEL NOTES:

- 1. CONTRACTOR TO PROVIDE ALL ACCESSORIES REQ'D TO PROVIDE WEATHER TIGHT CONSTRUCTION, COORDINATE w/ MANUFACTURER.
- 2. <u>CORRUGATED PANELS:</u> PROVIDE ENDWALL CLOSURES PER DETAIL 279/A8.14 AT ALL APPLICABLE LOCATIONS TO PROVIDE WEATHER TIGHT CONSTRUCTION, COORDINATE W/ METAL PANEL MANUFACTURER. SMOOTH PANELS: REFER TO DETAIL 288/A8.15 FOR END CONDITIONS. COORDINATE w/
- METAL PANEL MANUFACTURER FOR ANY CONDITIONS NOT SHOWN.
- 3. REFER TO DETAIL 263/A8.14 FOR ISOMETRIC VIEW AT WINDOWS, TYP.
- 4. <u>CORRUGATED PANELS:</u> REFER TO DETAIL 275/A8.14 FOR EXPANSION REVEALS. <u>SMOOTH PANELS:</u> REFER TO DETAIL 285/A8.15 FOR EXPANSION REVEALS.

#### LEGEND:



SMOOTH PANEL SYSTEM SEE SPEC SECTION 07 42 13.23 SUBSTITUTION SHALL BE REVIEWED & APPROVED BY DSA COLOR: MT-4

CEMENT PLASTER o/ METAL LATH o/ PAPER

COLOR: P-9

CEMENT PLASTER o/ METAL LATH o/ PAPER COLOR: (P-10)

---- CMU WALL

## **SINPRK**

RESNO, CALIFORNIA 93711 559.448.8400 · F559.448.8467 /ww.sim-pbk.com

## PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL



#### AD 2-35a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885



THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HADMINE SEA AND SHALL PERD THE COST OF THE ARCHITECT. SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR

REVISIONS

No.	DATE	DESCRIPTION
1	2.14.23	DISTRICT MODIFICATIONS
2	2.27.23	DISTRICT MODIFICATIONS

SHEET DESCRIPTION



SHEET No.

A6.3

PROJECT COORDINATOR JOHN SMITH PROJECT NO. 17-67 DATE 1.27.23 SCALE

AS NOTED

MAIN





**SINPBK** 

#### FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467 www.sim-pbk.com PROJECT: SHIELDS & BRAWLEY ELEMENTARY

90 NORTH PALM AVENUE



#### AD 2-37a S&B Elementary 02-116800



THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC, EXPRESSLY RESERVES IT COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR JANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOU FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

JOHN H. SMITH, A.I.A. C15885

	PROJECT DEVELOPMENT		
	DA	ATE	ISSUED FOR
_			
-			
-			
	REVISIONS		
-	No.	DATE	DESCRIPTION
	A	2.14.23	DISTRICT MODIFICATIONS
-	<u>^</u>		

2.27.23 DISTRICT MODIFICATIONS

SHEET DESCRIPTION

#### DETAILS

PROJECT COORDINATOR JOHN SMITH PROJECT NO. 17-67 DATE 1.27.23 SCALE AS NOTED

A8.2

SHEET No.



7 Shields & Browley Elementary\Work\17-67\_A8.3\_Details.dwg 05/3



LEGENI	2
xxxxxx	8'-0" H. CMU WALL
	6'-0" H. CMU WALL
	LANDSCAPE, SEE LANDSCAPE PLANS
	CONCRETE, SEE LANDSCAPE PLANS
	A/C PAVING, SEE CIVIL PLANS
V V V V V V V V V	GRASS, SEE LANDSCAPE PLANS
	FIBAR
*****	

## **ESINPBK**

## 7790 NORTH PALM AVENUE FRESNO, CALIFORNIA 93711 T559.448.8400 · F559.448.8467 www.slm-pbk.com



SHIELDS & BRAWLEY ELEMENTARY SCHOOL



## AD 2-39a S&B Elementary 02-116800

JOHN H. SMITH, A.I.A. C15885



THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLANS. THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THE EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PARTY SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECT'S LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS.

PROJECT DEVELOPMENT

DATE	ISSUED FOR
REVISIONS	

DATE DESCRIPTION No. A 2.14.23 DISTRICT MODIFICATIONS 2.27.23 DISTRICT MODIFICATIONS

SHEET DESCRIPTION

## SERVICE YARD PLAN

SHEET No.

A8.12

PROJECT COORDINATOR JOHN SMITH

PROJECT NO. 17-67

DATE

1.27.23 SCALE

AS NOTED

















## ELEMENTARY

DATE	ISSUED FOR

No.	DATE	DESCRIPTION
A	2.14.23	DISTRICT MODIFICATIONS
$\triangle$	2.27.23	DISTRICT MODIFICATIONS





## **ISINPBK** 90 NORTH PALM AVENUE RESNO, CALIFORNIA 93711 559.448.8400 · F559.448.8467 www.sim-pbk.com PROJECT: SHIELDS & BRAWLEY ELEMENTARY SCHOOL NO. 61276 03/02/2023 601 POLLASKY AVE., STE. 301 TEL: (559) 449–2400 CLOVIS, CA 93612 WWW.QKINC.COM © COPYRIGHT BY QUAD KNOPF, INC. UNAUTHORIZED USE PROHIBITED. JOHN H. SMITH, A.I.A. C15885 ★ 9 C 15885 I 9-30-THE FIRM OF SMITH, IWANAGA, MILHOUS, ARCHITECTS, INC. EXPRESSLY RESERVES ITS COMMON LAW COPYRIGHT AND OTHER APPLICABLE PROPERTY RIGHTS IN THESE PLAY THESE PLANS ARE NOT TO BE REPRODUCED, CHANGED, OR COPIED IN ANY FORM OR MANNER WHATSOEVER, NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOU FIRST OBTAINING THE WRITTEN PERMISSION AND CONSENT OF THE ARCHITECT. IN THI EVENT OF UNAUTHORIZED REUSE OF THESE PLANS BY A THIRD PARTY, THE THIRD PAR SHALL HOLD THE ARCHITECT HARMLESS, AND SHALL BEAR THE COST OF THE ARCHITECTS LEGAL FEES, ASSOCIATED WITH DEFENDING AND ENFORCING THESE RIGHTS. AD 2-44a **S&B** Elementary 02-116800 REVISIONS No. DATE DESCRIPTION 2.14.23 DISTRICT MODIFICATIONS $\triangle$ 2.27.23 DISTRICT MODIFICATIONS $\triangle$ SHEET DESCRIPTION DETAILS

SHEET No.
06.0

2









Δ



# ELEMENTARY



No.	DATE	DESCRIPTION
A	2.14.23	DISTRICT MODIFICATIONS
A	2.27.23	DISTRICT MODIFICATIONS



## State of California

SHEET INDEX COVER SHEET SITE PLAN







1

#### LEGEND

- FIRE DEPARTMENT CONNECTION (FDC)
- POST INDICATOR VALVE (PIV)
- FIRE HYDRANT
- EXISTING FIRE HYDRANT
- FIRE LANE
- THRUST BLOCK
- -FW- PROPOSED 8" PVC FIRE WATER LINE

#### NOTES:

- 1. 300' RADIUS CENTERED ON FIRE HYDRANT LOCATION
- 2. EMERGENCY VEHICLE ACCESS SHALL BE DESIGNATED BY PAINTING THE CURB RED (TOP AND SIDE) AND STENCILING "FIRE LANE NO PARKING" IN 3-INCH WHITE LETTERS ON THE MOST VERTICAL CURB, AT LEAST EVERY 50 FEET. IF NO CURB IS PRESENT, A MINIMUM 6-INCH WIDE RED STRIPE SHALL BE PAINTED ALONG THE EDGE OF THE ROADWAY WITH "FIRE LANE" IN 3-INCH WHITE LETTERS AT LEAST EVERY 50 FEET PER FFD DEVELOPMENT POLICY 403.005
- 3. PRESCHOOL BUILDING IS REQUIRED TO BE EQUIPPED WITH FIRE SPRINKLER PROTECTION PER 2016 CFC, SECTION 903.2.19.1

#### **KEYNOTES:**

- 1 INSTALL SIGN WITH "FIRE LANE" (6" LETTERS) "VEHICLES REMOVED AT OWNER'S EXPENSE" 2" LETTERS) "FRESNO POLICE DEPARTMENT @ (559) 621-7000" (1" LETTERS)
- INSTALL 17"X22" SIGN WITH "WARNING-VEHICLES STOPPED, PARKED OR LEFT STANDING IN FIRE LANES WILL BE IMMEDIATELY REMOVED AT OWNER'S EXPENSE-22568(A) CALIFORNIA VEHICLE CODE-FRESNO POLICE DEPARTMENT 621-2300"
- (3) INSTALL INGRESS AND EGRESS SECURITY GATE WITH BEST/X-1 PLICE/FIRE BYPASS LOCK
- (4) INSTALL BEST/X-1 POLICE/FIRE BYPASS LOCK ON PEDESTRIAN



SHIELDS & BRAWLEY ELEMENTARY SCHOOL









REVISIONS

No.	DATE	DESCRIPTION
Δ	2.14.23	DISTRICT MODIFICATIONS

FIRE	DEPARTMENT
	PLAN

PROJECT COORDINATOR	SHEET No.
PROJECT NO.	
17-67	
DATE	- FUZ
1.27.23	
SCALE	
AS SHOWN	





AD 5-01a S&B Elementary 02-116800