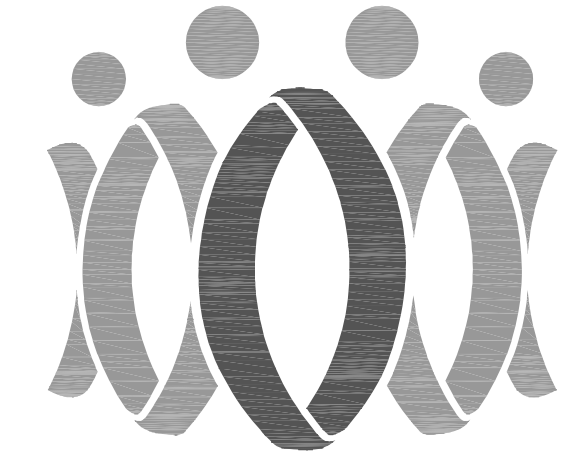


# 28 CLASSROOM BUILDING EXPANSION AT TROPICO MIDDLE SCHOOL

SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
3180 MOJAVE TROPICO ROAD, ROSAMOND CA 93560

AGENCY



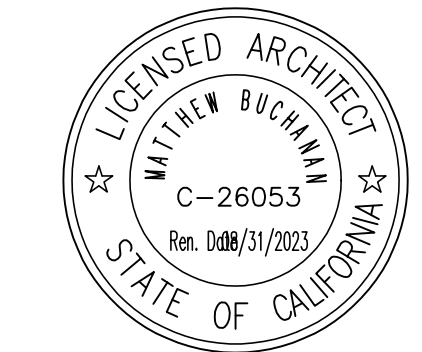
FLEWELLING & MOODY  
architecture planning interiors

HEADQUARTERS OFFICE:  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fm-passaden@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
1033 West Lancaster Boulevard  
Lancaster, California 93534  
P 861.946.0771  
E-Mail: fm-lancaster@flewelling-moody.com

An Employee Owned Corporation

ARCHITECT



CONSULTANT

Drawn by

Checked by

Revised

No. Date Description

All drawings shall be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans are the responsibility of the contractor. No warranty has been prepared for a specific job. Any use of responsibility for this plan is made in a part or any other shall be solely undertaken by the contractor.

SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

TITLE SHEET

Job No.

2940.000

Date

09-02-21

A0.01

## OWNER

SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
Barbara Gaines  
2601 Rosamond Blvd.  
Rosamond, CA 93560  
TEL: (661) 256-5000  
bgaines@skusd.k12.ca.us

## GENERAL NOTES

- PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE LOCATION OF ALL EXISTING AND PROPOSED CONSTRUCTION, PIPING, CONDUITS, CLEAN-OUTS, PULL BOXES, ETC. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DISTRICT ARCHITECT PRIOR TO COMMENCING WORK.
- CONTRACTOR SHALL VISIT THE SITE AND VERIFY ALL GRADES, ELEVATIONS, DIMENSIONS, AND CONDITIONS OF INSTALLATION PRIOR TO PROVIDING BID. ANY DISCREPANCIES DISCOVERED BY THE CONTRACTOR DURING THE ABOVE INVESTIGATIONS SHALL BE REPORTED IMMEDIATELY TO THE ARCHITECT. THE CONTRACTOR BY MEANS OF OFFERING A BID SHALL THEREBY CERTIFY THAT THE ABOVE STATED REQUIREMENTS HAVE BEEN MET.
- GENERAL CONTRACTOR SHALL INCLUDE ALL LABOR, MATERIAL, EQUIPMENT, AND TRANSPORTATION NECESSARY FOR THE COMPLETE AND PROPER EXECUTION OF THE WORK, THE ADEQUACY AND SAFETY OF ERECTION BRACING, SHORING, TEMPORARY SUPPORTS, ETC., IS THE SOLE RESPONSIBILITY OF THE CONTRACTOR, AND HAS NOT BEEN CONSIDERED BY THE ARCHITECT AND / OR STRUCTURAL ENGINEER.
- ALL WORK SHALL CONFORM TO THE "APPLICABLE CODES" AS LISTED HEREON.
- CONTRACTOR SHALL REMOVE FROM SITE AND DISPOSE OF IN A LEGAL MANNER ALL EXCESS DIRT / SOIL AND DEBRIS RESULTANT OF THE CONSTRUCTION ACTIVITIES ASSOCIATED WITH THIS PROJECT.
- CONTRACTOR SHALL BE REQUIRED TO OBTAIN ALL NECESSARY PERMITS AND APPROVALS FOR ALL WORK THAT OCCURS IN ANY PUBLIC RIGHT-OF-WAY AND / OR EASEMENT, FEES FOR REQUIRED PERMITS SHALL BE PAID FOR DIRECTLY BY CONTRACTOR AND SHALL BE REIMBURSED BY THE DISTRICT.
- PROPERLY REMOVE ALL DEMOLISHED ITEMS AND MATERIALS FROM THE SITE AND DISPOSE OF ALL IN A LEGAL MANNER.
- REPAIR OR REPLACE EXISTING WALKS, UTILITY LINES, LANDSCAPING, ETC. THAT ARE DAMAGED DURING CONSTRUCTION. PROTECT ALL EXISTING CONSTRUCTION DESIGNATED TO REMAIN.
- CHANGES TO THE APPROVED DRAWINGS AND SPECIFICATIONS SHALL BE MADE BY AN ADDENDA OR A CONSTRUCTION CHANGE DOCUMENT (CCD) APPROVED BY THE DIVISION OF THE STATE ARCHITECT AS REQUIRED BY SECTION 4-338 PART 1, TITLE 24, C.C.R.
- A DSA CERTIFIED CLASS 2 PROJECT INSPECTOR EMPLOYED BY THE DISTRICT (OWNER) AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK. THE DUTIES OF THE INSPECTOR ARE DEFINED IN THE SECTION 4-342 PART 1, TITLE 24, C.C.R.
- D.S.A. APPROVED TESTING LABORATORY DIRECTLY EMPLOYED AND PAID FOR BY THE DISTRICT SHALL CONDUCT ALL REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- CONTRACTOR SHALL NOTIFY DISTRICT ARCHITECT IN WRITING UPON COMPLETION OF SITE PREPARATION.
- ASSUMED SOIL BEARING CAPACITY PER SOILS REPORT.
- PATCH AND REPAIR ALL SURFACES AFFECTED BY CONTRACT WORK AND BY SELECTIVE DEMOLITION TO A "LIKE NEW" CONDITION OR TO MATCH EXISTING ADJACENT FINISHES.
- FIRE SAFETY DURING CONSTRUCTION, ALTERATION OR DEMOLITION SHALL BE IN ACCORDANCE WITH 2019 CFC CHAPTER 7, 11 AND 33.
- ALL CONTRACTORS ARE ADVISED THAT CERTAIN PORTIONS OF THE WORK MAY NOT BE EASY AND MAY EXCEED THE ASSUMED STANDARD OF THE INDUSTRY, INCLUDING MEANS AND METHOD, OPERATIONAL STAGING, SCHEDULING AND COORDINATION OF WORK, AS WELL AS TIME AND DURATION OF ACTIVITIES NECESSARY TO SATISFACTORILY COMPLETE THE PROJECT IN ACCORDANCE WITH THIS CONTRACT. CONTRACTOR SHALL PROVIDE ALL NECESSARY LABOR, MATERIALS AND OPERATIONAL SUPPORT NECESSARY TO COMPLETE THE PROJECT AS REQUIRED UNDER THIS CONTRACT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING WATER NECESSARY FOR CONSTRUCTION. WATER CAN BE MADE AVAILABLE ON-SITE VIA EXISTING HYDRANT, AND SHALL BE PROPERLY METERED THROUGH LOCAL WATER AGENCY.
- CONTRACTOR MAY ONLY STAGE AND PERFORM WORK IN AREAS SPECIFICALLY IDENTIFIED FOR THIS CONTRACT. ALL WORK REQUIRED TO BE PERFORMED OUTSIDE OF THE DESIGNATED AREAS SHALL REQUIRE MONITORING BY ASSIGNED DISTRICT STAFF OR SHALL BE PERFORMED DURING NON-SCHOOL HOURS. ALL REQUESTS FOR MONITORED WORK SHALL BE MADE IN WRITING 48 HOURS IN ADVANCE BY GENERAL CONTRACTOR AND SCHEDULING SHALL BE SUBJECT TO APPROVAL BY DISTRICT.
- CONSTRUCTION AREA OVERLAPS ACTIVE SERVICE AREAS NECESSARY FOR THE NORMAL DAILY OPERATION OF THE SCHOOL. CONTRACTOR SHALL AT ALL TIMES MAINTAIN AND ALLOW ACCESS ON SITE FOR EMERGENCY VEHICLES, TRASH COLLECTION, LANDSCAPE, GENERAL SCHOOL MAINTENANCE AND FOOD SERVICE DELIVERY. CONTRACTOR SHALL COORDINATE CLOSELY WITH DISTRICT FOR ALL NECESSARY ACCESS.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN FOR THE DURATION OF THE CONTRACT OPAQUE VINYL SCREENS (TARP OR SIMILAR) PROPERLY SECURED TO ALL TEMPORARY CONSTRUCTION FENCING AND GATES AS WELL AS ALL EXISTING FENCING THAT DEFINES A PERIMETER OF ANY DESIGNATED CONSTRUCTION AREA. SCREENING SHALL BE MINIMUM 6'-0" HIGH AND SHALL BE BLACK, GREEN OR TAN IN COLOR.
- DUE TO THE ONGOING OPERATION OF THE ACTIVE SCHOOL SITE DURING CONSTRUCTION, AS WELL AS THE UNIQUE CONSTRAINTS OF THE CONSTRUCTION AREA, CONTRACTOR SHALL BE AWARE THAT THE VEHICULAR DRIVES, ACCESS LANES AND PARKING SHALL BE SHARED AND SHALL NOT SCHEDULE ANY DELIVERIES AS WELL AS SUSPEND CONSTRUCTION TRAFFIC ENTERING AND EXISTING PREMISES DURING THE PERIODS REQUIRED FOR STUDENT DROP-OFF AND PICK-UP. CONTRACTOR SHALL COORDINATE WITH DISTRICT FOR ALL TIME OFF OPERATION FOR THE SITE.
- FOR THE DURATION OF THE CONTRACT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR STRICT COMPLIANCE WITH LOCAL AGENCY HAVING JURISDICTION FOR ALL FUGITIVE DUST AND SHALL BE RESPONSIBLE FOR ALL PENALTIES, FINES, ETC. IF THE PROJECT SHOULD BE CITED FOR VIOLATIONS.
- DUE TO THE SITE CONSTRAINTS OF THE ACTIVE SCHOOL SITE, THE CONTRACTOR MAY BE REQUIRED TO STAGE IN VARIOUS AVAILABLE AREAS ON SITE AND MAY BE REQUIRED TO MOVE OR RELOCATE STAGING DURING THE COURSE OF CONSTRUCTION IN ORDER TO ACCOMMODATE CONSTRUCTION AND SCHEDULE. CONTRACTOR SHALL FACTOR IN ALL NECESSARY MEASURES TO ACCOMMODATE THE TIMELY COMPLETION OF THIS CONTRACT.
- CONTRACTOR SHALL NOT INTERRUPT ANY UTILITY SERVICE TO ACTIVE SCHOOL SITE WITHOUT EXPRESSED PERMISSION AND PRIOR SCHEDULING WITH DISTRICT.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL NECESSARY CONTRACTOR SUBMITTALS OF DOCUMENTS TO THE DSA BOX.
- CONTRACTOR MAY UTILIZE EXISTING ELECTRICAL SERVICE IN YARD FOR TEMPORARY POWER. ALL TEMPORARY POWER INSTALLATION SHALL ADHERE TO APPLICABLE CODES.
- ALL WORK SHALL COMPLY WITH TITLES 24, PARTS 1 THROUGH 6, AND 8 THROUGH 11.
- ALL COPIES OF TITLE 24, PARTS 1 THROUGH 5 SHALL BE KEPT ON SITE DURING CONSTRUCTION.
- ALL ADDENDA MUST BE SIGNED BY THE ARCHITECT OR ENGINEER IN GENERAL RESPONSIBLE CHARGE AND APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24.
- ALL SUBSTITUTION AFFECTING DSA REGULATED ITEMS SHALL BE CONSIDERED AS A CONSTRUCTION CHANGE DOCUMENT OR ADDENDA.

THE INTENT OF THESE DRAWINGS AND SPECIFICATIONS IS THAT THE WORK OF THE ALTERATION, REHABILITATION OR RECONSTRUCTION IS TO BE IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, SHOULD ANY EXISTING CONDITIONS SUCH AS DETERIORATION OR NON-COMPLYING CONSTRUCTION BE DISCOVERED WHICH IS NOT COVERED BY THE CONTRACT DOCUMENTS WHEREIN THE FINISHED WORK WILL NOT COMPLY WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS, A CONSTRUCTION CHANGE DOCUMENT (CCD), OR A SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED WORK SHALL BE SUBMITTED TO AND APPROVED BY THE DIVISION OF THE STATE ARCHITECT BEFORE PROCEEDING WITH THE WORK. REFERENCE: SECTION 4-317 (C), CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)

## APPLICABLE CODES

- |         |  |
|---------|--|
| Part 1  | 2019 California Building Standards Administrative Code, Title 24 C.C.R.  |
| Part 2  | 2019 California Building Code, Title 24 C.C.R. (2018 International Building Code of the International Code Council, with California Amendments)              |
| Part 3  | 2019 California Electrical Code, Title 24 C.C.R. (2016 National Electrical Code of the National Fire Protection Association, NFPA)                           |
| Part 4  | 2019 California Mechanical Code, Title 24 C.C.R. (2018 Uniform Mechanical Code of the International Association of Plumbing and Mechanical Officials, IAPMO) |
| Part 5  | 2019 California Plumbing Code, Title 24 C.C.R. (2018 Uniform Plumbing Code of the International Association of Plumbing and Mechanical Officials, IAPMO)     |
| Part 6  | 2019 California Energy Code, Title 24 C.C.R.   |
| Part 8  | 2019 California Historical Building Code, Title 24 C.C.R.  |
| Part 9  | 2019 California Fire Code, Title 24 C.C.R. (2018 International Fire Code of the International Code Council)  |
| Part 10 | 2019 California Existing Building Code, Title 24 C.C.R. (2018 International Existing Building Code of the International Code Council, with amendments)       |
| Part 11 | 2019 California Green Building Standards Code (CALGreen Code), Title 24 C.C.R.   |
| Part 12 | 2019 California Referenced Standards Code, Title 24 C.C.R.   |
- 2016 CBC for Modular Building PC Structural Design  
PARTIAL LIST OF APPLICABLE STANDARDS:  
2019 California Building Code (for SFM) Referenced Standards Chapter 35
- |           |   |              |
|-----------|---|--------------|
| NFPA 13   | Standard for the Installation of Sprinkler Systems (CA Amended)   | 2016         |
| NFPA 14   | Standard for the Installation of Standpipe and Hose Systems (CA Amended)                                | 2016         |
| NFPA 17   | Standard for Dry Chemical Extinguishing Systems   | 2017         |
| NFPA 17A  | Standard for Wet Chemical Extinguishing Systems   | 2017         |
| NFPA 20   | Standard for the Installation of Stationary Pumps for Fire Protection                                   | 2016         |
| NFPA 22   | Standard for Water Tanks for Private Fire Protection  | 2013         |
| NFPA 24   | Standard for the Installation of Private Fire Service Mains and Their Appurtenances (CA Amended)        | 2016         |
| NFPA 72   | National Fire Alarm and Signaling Code (CA Amended)   | 2016         |
| NFPA 80   | Standard for Fire Doors and Other Opening Protective  | 2016         |
| NFPA 2001 | Standard on Clean Agent Fire Extinguishing Systems (CA Amended)   | 2015         |
| UL300     | Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment. | 2005 (R2010) |
| UL464     | Audible Signaling Devices for Fire Alarm and Signaling Systems Including Accessories                    | 2003         |
| UL521     | Standard for Heat Detectors for Fire Protective Signaling Systems                                       | 1999         |
| UL1971    | Standard for Signaling Devices for the Hearing Impaired   | 2002         |
| ICC300    | Standard for Bleachers, Folding and Telescoping Seating and Grandstands                                 | 2017         |

## MODULAR BUILDING NOTES

- THE PROJECT INSPECTOR (PI) IS TO WITNESS AND VERIFY GROUNDING.
- THE FOLLOWING DOCUMENTS SHALL BE ON THE JOB SITE PRIOR TO INSTALLATION OF THE UNITS, INCLUDING THE SERIAL NUMBERS FOR EACH UNIT.
  - IN-PLANT FINAL VERIFIED REPORT;
  - LABORATORY VERIFIED REPORT;
  - WELDING VERIFIED REPORT.
 THE SITE INSPECTOR SHALL VERIFY THE ABOVE DOCUMENTS AND SERIAL NUMBERS APPLICABLE TO EACH UNIT PRIOR TO INSTALLATION OF THE UNITS, NOTIFY ARCHITECT AND THE DIVISION OF THE STATE ARCHITECT FIELD ENGINEER IF ANY DISCREPANCIES OCCUR.
- MODULAR BUILDING(S) SHALL HAVE TAGS TO IDENTIFY THE DSA APPLICATION NUMBER AND THE BUILDING SERIAL NUMBER WHEN DELIVERED TO THE SITE. THE PLAN AFFIDAVIT IS ALSO REQUIRED.

## BIDDING NOTES

### PRE-BID JOB WALK:

MANDATORY PRE-BID JOB WALK WILL BE HELD ON DATE AND TIME STATED IN "NOTICE TO CONTRACTOR" AT THE PROJECT SITE. ALL PROSPECTIVE BIDDERS ARE ADMONISH TO ATTEND.

### FINGERPRINTING:

FINGERPRINTING AND BACKGROUND CHECKS IN ACCORDANCE WITH CURRENT LAWS AND REGULATIONS SHALL BE REQUIRED FOR ALL WORKERS WHO WILL BE PERFORMING WORK OUTSIDE OF THE ESTABLISHED CONSTRUCTION BARRICADES (MINIMUM 6' HIGH FENCE) DURING HOURS THAT THE ADJACENT CAMPUSES ARE OCCUPIED SIMULTANEOUSLY BY THE STUDENTS. ANY WORKER FOUND TO BE IN VIOLATION OF THESE REQUIREMENTS WILL BE ASKED TO LEAVE THE PROJECT SITE UNTIL THE APPROPRIATE DOCUMENTATION IS PROVIDED.

### QUESTIONS DURING BID:

ALL QUESTIONS SHALL BE SUBMITTED IN WRITING TO THE ARCHITECT USING THE ATTACHED "BID R.F.I." FORM. ALL "BIDDING R.F.I.'S" SHALL BE SUBMITTED NO LATER THAN FIVE (5) CONSECUTIVE CALENDAR DAYS PRIOR TO SCHEDULED BID OPENING.

## STATEMENT OF GENERAL CONFORMANCE

THESE DRAWINGS AND / OR SPECIFICATIONS AND / OR CALCULATIONS FOR THE ITEMS DESIGNATED WITH A HAVE BEEN PREPARED BY OTHER DESIGN PROFESSIONALS OR CONSULTANTS WHO ARE LICENSED AND / OR AUTHORIZED TO PREPARE SUCH DRAWINGS IN THIS STATE. IT HAS BEEN EXAMINED BY ME FOR:

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

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

Matthew C. Buchanan,  
AIA

Date

C-26053

AUGUST 31, 2023

License Number

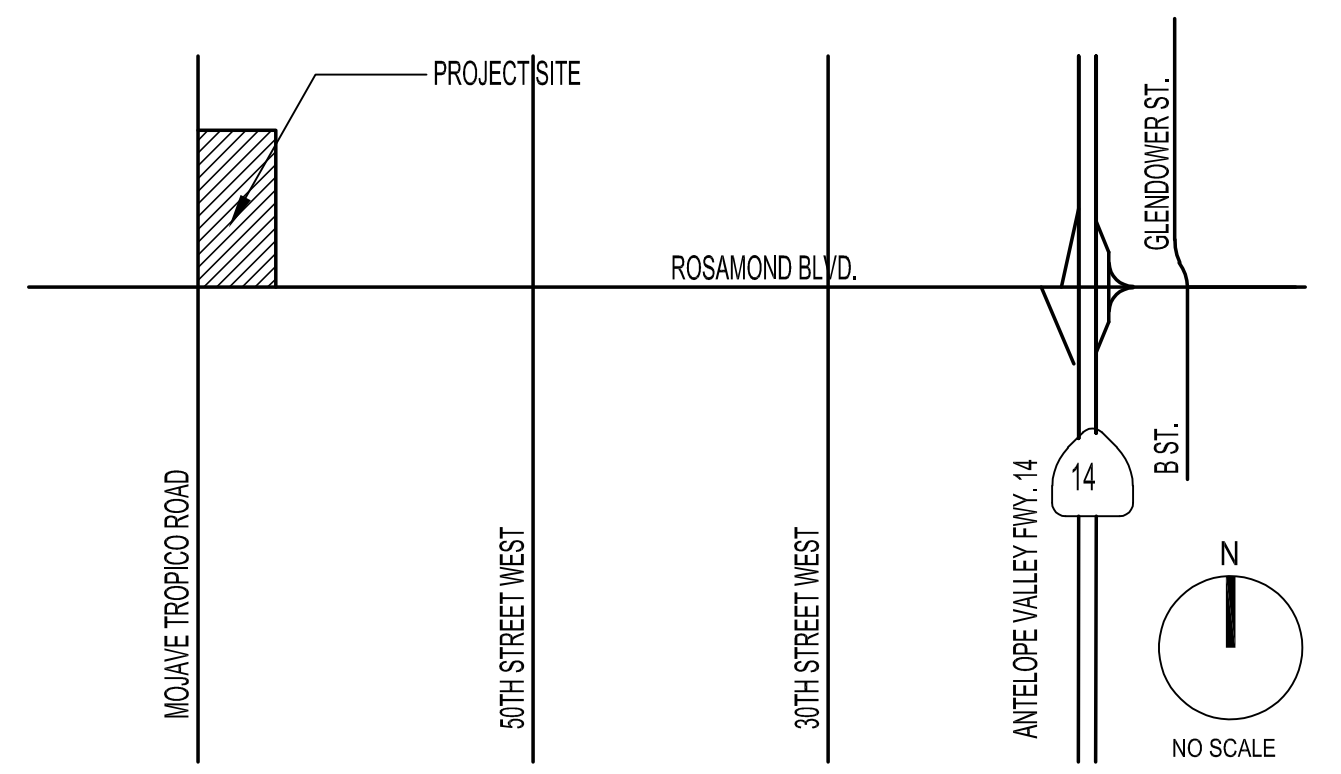
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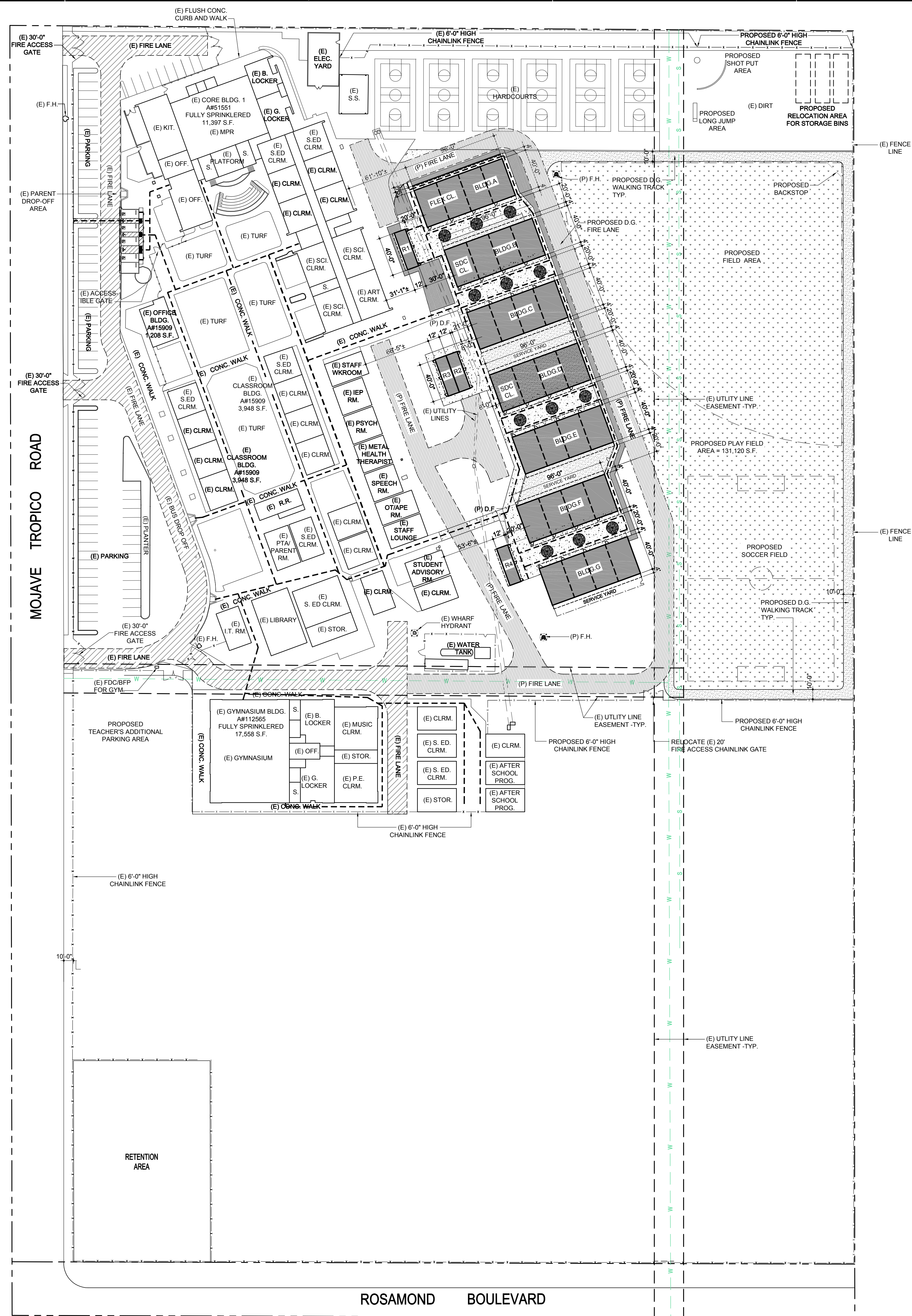
## SCOPE OF WORK

ADDITION OF (28) CLASSROOM BUILDINGS AND (4) RESTROOM BUILDINGS AND WILL INCLUDE THE FOLLOWING SCOPE OF WORK BUT NOT LIMITED TO:

- (7) 40'x96' TYP. CLASSROOM PC MODULAR BUILDINGS WITH (2) FLEX CLASSROOMS AND (2) NON-SEVERE SDC CLASSROOMS (FULLY SPRINKLERED).
- (4) 12'x40' TYP. PC RESTROOM MODULAR BUILDINGS.
- MODULAR COMPANY CONTRACTOR SHALL BE RESPONSIBLE FOR DSA REVIEW AND APPROVAL PROCESS. MODULAR COMPANY SHALL BE RESPONSIBLE FOR PROVIDING DSA APPROVED PLANS AND SPECS FOR ALL MODULAR BUILDINGS PRIOR TO THE START OF FABRICATION. CONTRACTOR SHALL ALSO COORDINATE WITH ARCHITECT OF RECORD IN SUPPORT OF FULL PROJECT DSA COMPLIANCE AND FINAL APPROVAL.

## VICINITY MAP





**LEGEND**

- "PATH OF TRAVEL (P.O.T.) AS INDICATED IS A BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT VERTICAL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAXIMUM SLOPE EXCEPT THAT LEVEL CHANGES DO NOT EXCEED 1/4" VERTICAL AND IS AT LEAST 48" WIDE. SURFACE IS SLIP RESISTANT, STABLE, FIRM AND SMOOTH. CROSS-SLOPE DOES NOT EXCEED 2% AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 5% UNLESS OTHERWISE INDICATED. (POT) SHALL BE MAINTAINED FREE OF OVERHANGING OBSTRUCTIONS TO 80" MINIMUM (11338.8.2) AND PROTRUDING OBJECTS GREATER THAN 4" PROJECTION FROM WALL AND ABOVE 27" AND LESS THAN 80" (11338.8.6). ARCHITECT TO VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC 11338.
- EXISTING FIRE HYDRANT
- NEW FIRE HYDRANT ALL FIRE HYDRANTS SHALL MEASURE 6"x4"x2-1/2" BRASS OR BRONZE, CONFORMING TO AMERICAN WATER WORKS ASSOCIATION STANDARD C903, OR APPROVED EQUAL, AND SHALL BE INSTALLED IN COMPLIANCE WITH FIRE DEPARTMENT REGULATION 8, FIRE CODE 508.1.1. (SHALL BE UNDER SITE CONTRACTOR SCOPE OF WORK)
- PROPOSED MODULAR BUILDINGS
- ▨ MINIMUM 20'-0" WIDE FIRE ACCESS LANE - (SEE CIVIL DRAWINGS) (SHALL BE UNDER SITE CONTRACTOR SCOPE OF WORK)
- ▩ NEW CONCRETE PAVING WITH MEDIUM BROOM FINISH (SHALL BE UNDER SITE CONTRACTOR SCOPE OF WORK)
- NEW LANDSCAPE/TURF AREA (SHALL BE UNDER SITE CONTRACTOR SCOPE OF WORK)
- ▬ NEW ARTIFICIAL TURF AREA (SHALL BE UNDER SITE CONTRACTOR SCOPE OF WORK)
- ▭ NEW DECOMPOSED GRANITE WALKING TRACK (SHALL BE UNDER SITE CONTRACTOR SCOPE OF WORK)

**TURF AREA TABULATION**

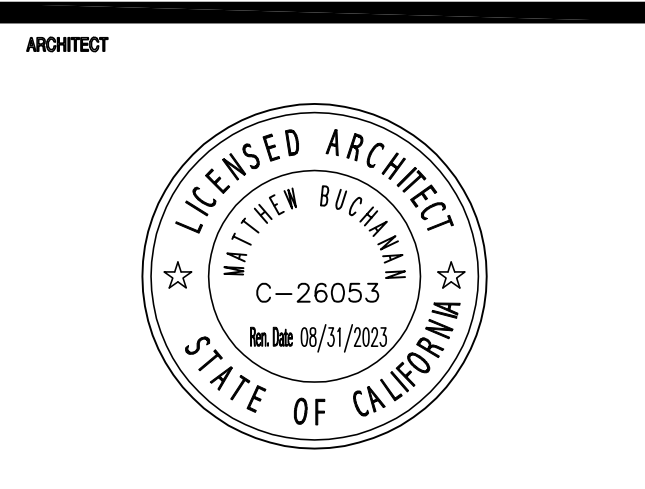
EXISTING PLAYFIELD AREA = 93,005 S.F. (2.13 ACRES)  
 PROPOSED TURF AREA = 131,120 S.F. (3.01 ACRES)

**FLEWELLING & MOODY**  
 architecture planning interiors

HEADQUARTERS OFFICE:  
 815 Colorado Blvd, Suite 200  
 Los Angeles, CA 90041  
 P 323.543.8300  
 E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
 1035 West Lancaster Boulevard  
 Lancaster, California 93534  
 P 661.849.0771  
 E-Mail: fm-lancaster@flewelling-moody.com

An Employee Owned Corporation



CONSULTANT

Drawn by \_\_\_\_\_

Checked by \_\_\_\_\_

Revisions

No.	Date	Description

All drawings shall be checked at the job by the contractor who accepts full responsibility for full accuracy under the contract. There shall be no specification in contract documents have been prepared for a specific site. Any and all responsibility for that use to which it is put or any other use is hereby disclaimed by Flewelling & Moody.

SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
 TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
 3180 MOJAVE TROPICO ROAD  
 ROSAMOND, CA 93560

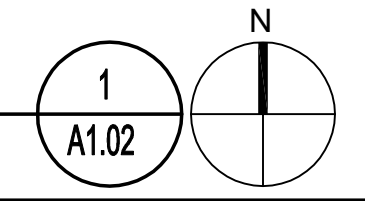
RECONSTRUCTION SITE PLAN

Job No. 2940.000

Date 09-02-21

**A1.02**

**PROPOSED RECONSTRUCTION SITE PLAN**  
 SCALE: 1" = 50'-0"

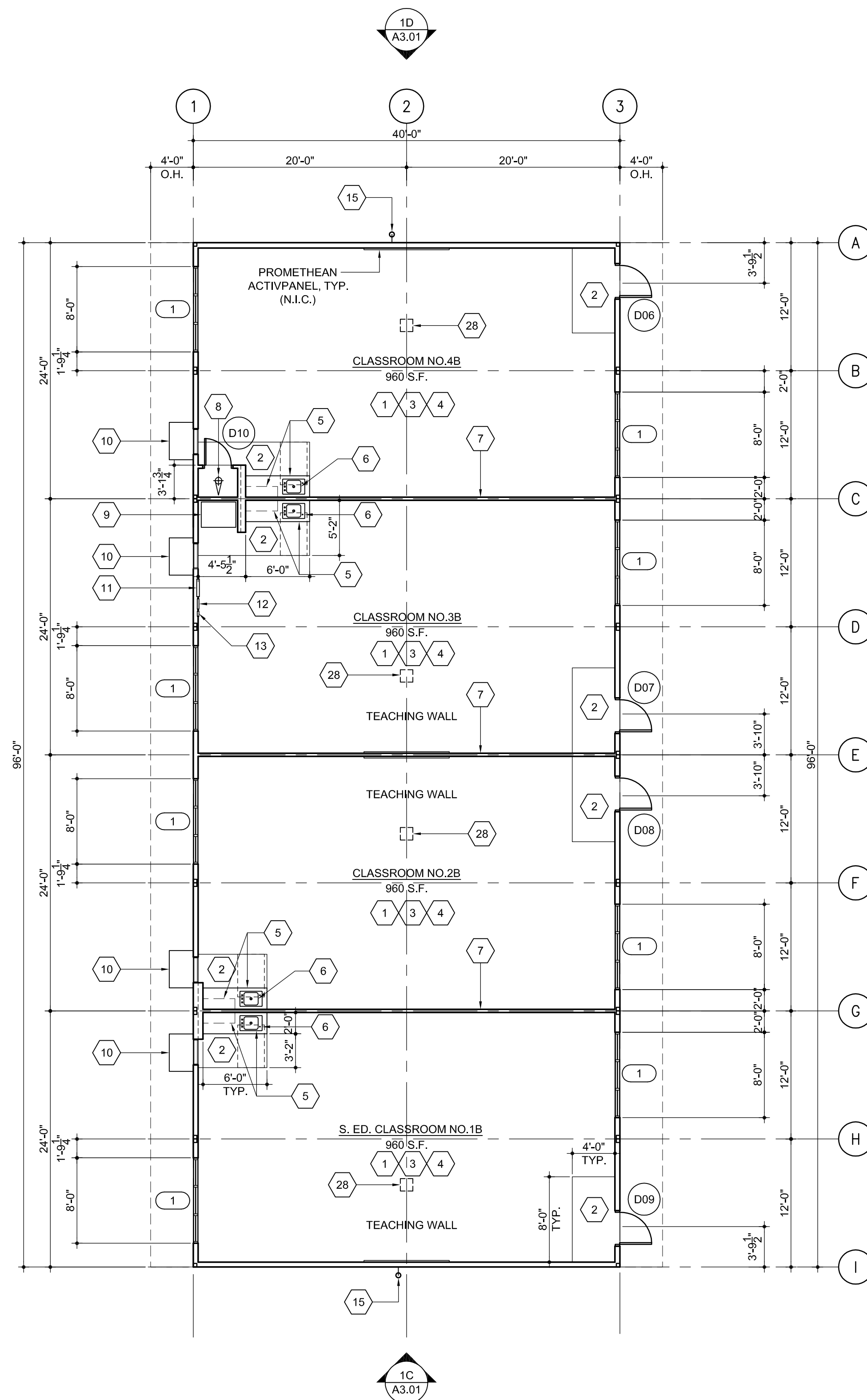


# SCOPE OF WORK KEYNOTES

## GENERAL NOTES:

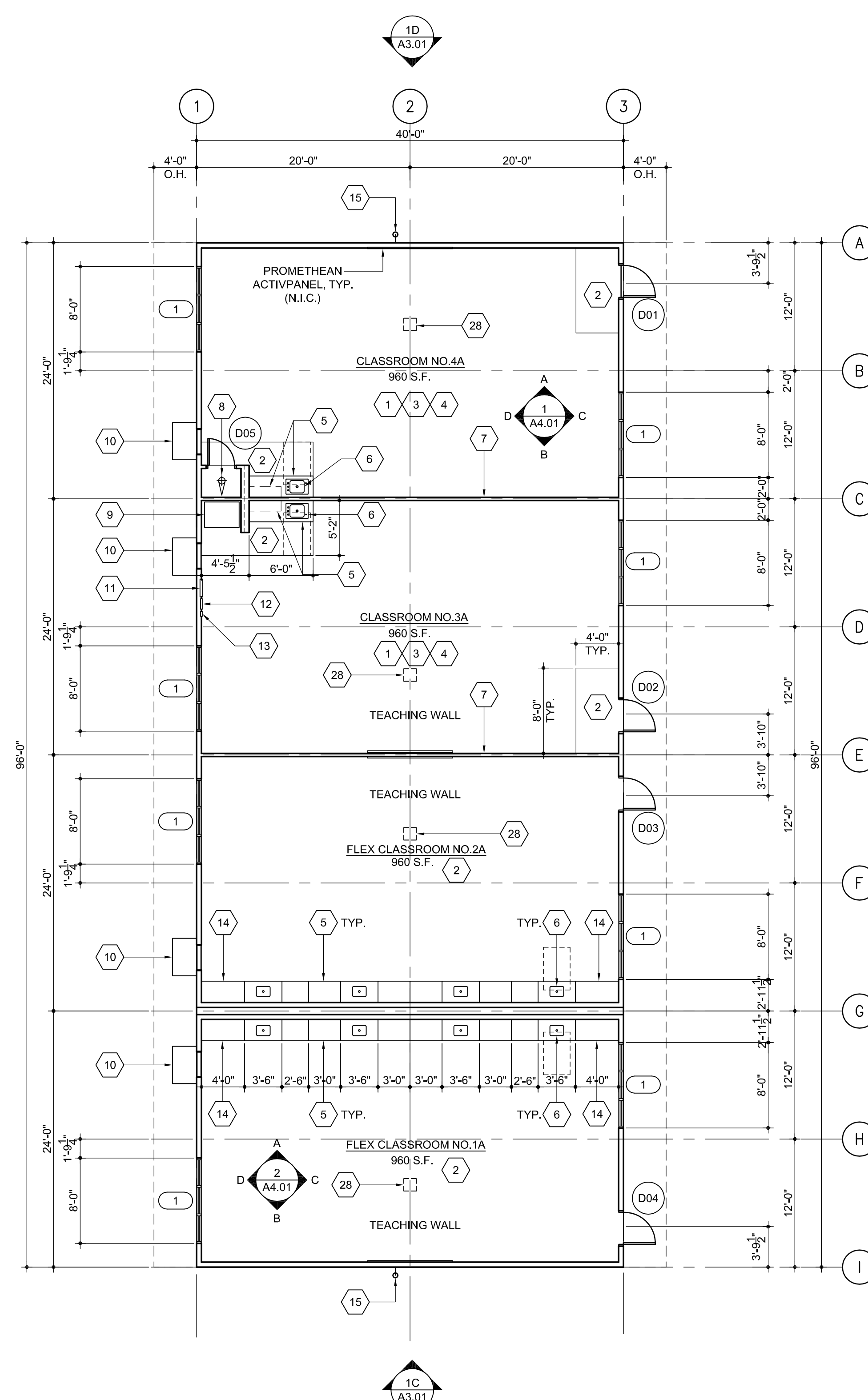
- A. ALL ITEMS INDICATED SHALL BE SUPPLIED BY MODULAR MANUFACTURER, UNLESS SPECIFICALLY NOTED OTHERWISE.
- B. PROVIDE BACKING AS REQUIRED FOR ALL ACCESSORIES, EQUIPMENT AND CABINETS.
- C. ONE STORY MODULAR BUILDINGS TO HAVE CONCRETE FLOOR WITH METAL DECK AND A 5" MIN. LIGHT WEIGHT CONCRETE SUBFLOOR WITH BELOW GRADE CONCRETE FOUNDATION SYSTEM. FOUNDATION SYSTEM SHALL COMPLY WITH DSA IR 16-1.13 REQUIREMENTS. FOUNDATION SYSTEM SHALL BE PER MODULAR MANUFACTURER'S PC DESIGN PACKAGE BUT SHALL BE PROVIDED UNDER THE SITE WORK CONTRACT.
- D. PROVIDE MIN. 2:12 PITCH ROOF WITH STANDING SEAM METAL ROOF AND 20 PSF SNOW LOAD CAPACITY PER MODULAR MANUFACTURER STANDARD. COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF KYNAR COLORS.
- E. AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED. SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURER'S FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE WAINSCOT FINISHES PER INTERIOR ELEVATIONS, SEE SHT. A4.02.
- F. STUB-OUT AND PLUG C.I. WASTE BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- G. STUB-OUT AND CAP C.W. (TYPE "C" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- H. SEE ALL ADA SIGNAGE AND BRILLE COMPLIANT SIGNAGE AT ALL DOOR AND ROOMS (ROOM NAMES AND NUMBERS). SEE SHT. A2.09 & A2.10 FOR REFERENCE ONLY. SITE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED SIGNAGE.
- I. PROVIDE COMMERCIAL GRADE ECOBEE THERMOSTATS.
- J. PROVIDE ALL CONDUIT AND J-BOX FOR ALL DATA DROPS AND POINTS OF CONNECTION. CONDUIT SHALL STUB UP IN WALL TO ABOVE CEILING INTO ACCESSIBLE ATTIC SPACE FOR PLENUM RATED CABLE TO BE INSTALLED BY OTHERS. MIN. CONDUIT SIZE IN WALL SHALL BE 3/4" DIAMETER, UNLESS NOTED OTHERWISE.
- K. PROVIDE 1" WINDOW BLINDS FOR ALL WINDOWS, COLOR TO BE SELECTED BY ARCHITECT.
- L. ALL HARDWARE SCHEDULE AND SPECIFICATIONS SHALL BE PER DISTRICT STANDARDS. REFER TO THE ATTACHED HARDWARE CUT SHEETS, HARDWARE SCHEDULE AND SPECIFICATIONS TO BE USED FOR REFERENCE.
- M. MODULAR MANUFACTURER SHALL APPLY FACTORY STUCCO FINISH FOR ALL BUILDINGS AND SHALL COMPLY WITH ALL REQUIREMENTS UNDER C.B.C. CHAPTER 25.

- 1. PROVIDE CARPET TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: INTERFACE CARPET. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 2. PROVIDE VCT TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: ARMSTRONG. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 3. PROVIDE INSULATION- R-30 AT ROOF AND R-19 (MIN.) AT WALLS. FLAME SPREAD-0-25 SMOKE DEVELOPED, FUEL CONTRIBUTED-0-450. (SEC. 707 1994 CBC)
- 4. PROVIDE DISTRICT STANDARD WALL FINISHES: FRP WAINSCOT OVER 1/2" GYP. BOARD FILLER FROM FLOOR TO 38" ABOVE THEN VINYL COVERED 1/2" TACKABLE SUBSTRATE OVER 1/2" TYPE "X" GYP. BOARD FULL HEIGHT OF WALL UP TO 6" ABOVE CEILING. PROVIDE EXTRUDED ALUMINUM EDGE MOLDING AT BOTTOM AND AT ALL OUT OR EXPOSED EDGES. REFER TO SHT. A4.01 AND A4.02 FOR INTERIOR ELEVATIONS.
- 5. PROVIDE TYP. BASE AND UPPER CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE W DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOOKS FOR ALL CABINET DOORS AND DRAWERS. ALL FILE DRAWERS MUST ACCOMMODATE A STANDARD PENDAFLEX HANGING FILE SYSTEM. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 6. PROVIDE CLASSROOM SINK w/ DRINKING FOUNTAIN BUBBLER COMPLETE WITH TRIM AND MAKE ALL FINAL CONNECTIONS WITH 2"WASTE, 1 1/2" VENT AND 3/4" CW WITH ANGLE STOPS. PROVIDE CLEANOUT PLUG BELOW SINK. CHLORINIZATION PER HEALTH CODE AND SPECIFICATIONS.
- 7. PROVIDE FULL HEIGHT PARTITION WITH DRYWALL ON BOTH SIDES AND R-11 BATT INSULATION FOR ACOUSTIC SEPARATION.
- 8. PROVIDE FIRE SPRINKLER RISER, PER PC APPROVED FIRE SPRINKLER DRAWINGS BY MODULAR MANUFACTURER.
- 9. PROVIDE IN-WALL BLOCKING FOR DISTRICT PROVIDED IDF CABINET, SEE ATTACHED IDF CUT SHEET FOR COMPLETE SPECIFICATIONS. IDF SHALL BE INSTALLED BY SITE CONTRACTOR.
- 10. PROVIDE WALL HUNG HVAC UNIT BY MODULAR BUILDING MANUFACTURER.
- 11. PROVIDE FLUSH MOUNTED ELECTRICAL PANEL.
- 12. PROVIDE 1 1/2" CONDUIT FOR FLUSH MOUNTED FIRE ALARM TERMINAL CABINET (BY OTHERS).
- 13. PROVIDE 1 1/2" CONDUIT FLUSH MOUNTED FIRE ALARM CABINET (BY OTHERS).
- 14. PROVIDE FULL HEIGHT CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE W DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOOKS FOR ALL CABINET DOORS.
- 15. PROVIDE F.R. HOSE BIBB (HB-1) RECESSED IN WALL & CONNECT 3/4" C.W.
- 16. FURNISH AND INSTALL FLOOR MOUNT WATER CLOSET WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
- 17. FURNISH AND INSTALL WALL MOUNT URINAL WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
- 18. PROVIDE EXHAUST FAN PER MODULAR MANUFACTURER'S SPECIFICATION.
- 19. PROVIDE 2"x2" SEMI-GLOSS CERAMIC TILES. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. COLOR OF TILE AND GROUT TO BE SELECTED BY ARCHITECT. MANUFACTURER: DAL-TILE OR APPROVED EQUAL.
- 20. PROVIDE FLOOR DRAIN WITH TRAP PRIMER AND ADA COMPLIANT GRATE. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING.
- 21. PROVIDE HINY HIDERS TOILET PARTITIONS COMPLETE WITH ALL WALL AND FLOOR MOUNTED BACKING BY SCRANTONAL PRODUCTS OR EQUAL. COLOR TO BE SELECTED BY ARCHITECT. PROVIDE CONTINUOUS WALL BRACKETS RATED FOR SCHOOL INSTALLATIONS.
- 22. PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
- 23. PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2'x4' DCO-5835 120V SCCI.
- 24. PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND DSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 5/8" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
- 25. PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANEL 2'x4' AL05W7M4 WITH DCMK224 AND SENSOR SWITCH# CM99-PDT.
- 26. PROVIDE 1/2" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
- 27. PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF. MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
- 28. PROVIDE FL-500P FLOOR BOX WITH 1" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET. COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
- 29. PROVIDE HEAVY DUTY GALVANIZED IN-WALL MOUNTED STAINLESS STEEL AND ANTI-FREEZE HI-LO DRINKING FOUNTAIN WITH ANTIMICROBIAL COPPER PUSH BUTTON COMPLETE WITH ALL REQUIRED PLUMBING FOR A COMPLETE INSTALLATION. MANUFACTURER: OASIS OR APPROVED EQUAL.
- 30. FURNISH AND INSTALL LAVATORY COMPLETE WITH FAUCET BACK PLATE, TRAP, VENT AND ALL ACCESSORIES. INSULATE ALL EXPOSED HOT & COLD WATER AND WASTE PIPING BELOW LAVATORY. PROVIDE ALL FINAL WASTE, VENT AND MAKE WATER CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
- 31. PROVIDE RECESSED CEILING HEATER (CDF SERIES) PER ATTACHED CUTSHEET. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 32. PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.



**BUILDING 'B'  
CLASSROOM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

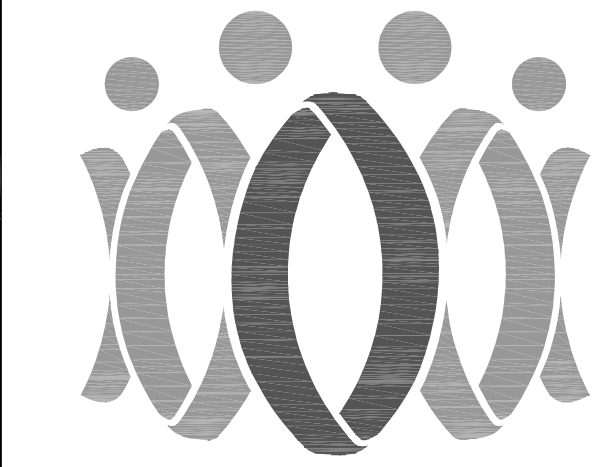
2  
A2.01



**BUILDING 'A'  
CLASSROOM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

1  
A2.01

AGENCY



**FLEWELLING & MOODY**  
architecture planning interiors

**HEADQUARTERS OFFICE:**  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300

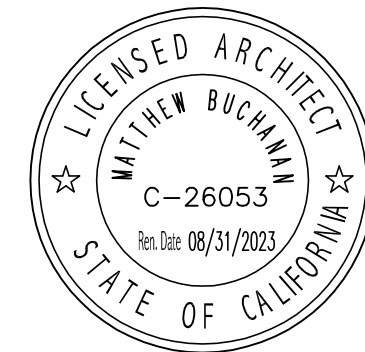
E-Mail: fm-pasadena@flewelling-moody.com

**ANTELOPE VALLEY OFFICE:**  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 865.945.0771

E-Mail: fm-lancaster@flewelling-moody.com

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ARCHITECT



CONSULTANT

Drawn by

Checked by

Revised

No.

Date

Description

All dimensions shall be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans are the intellectual property of FLEWELLING & MOODY and shall remain the property of FLEWELLING & MOODY. No part of these plans may be reproduced or transmitted in any form or by any means electronic or mechanical, including photocopying, recording, or by any information storage and retrieval system, without the prior written permission of FLEWELLING & MOODY.

**SOUTHERN KERN UNIFIED  
SCHOOL DISTRICT**  
**TROPICO MIDDLE SCHOOL  
EXPANSION PROJECT**  
3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

**BLDG. A & B CLASSROOM  
FLOOR PLAN**

Job No.

2940.000

Date

09-02-21

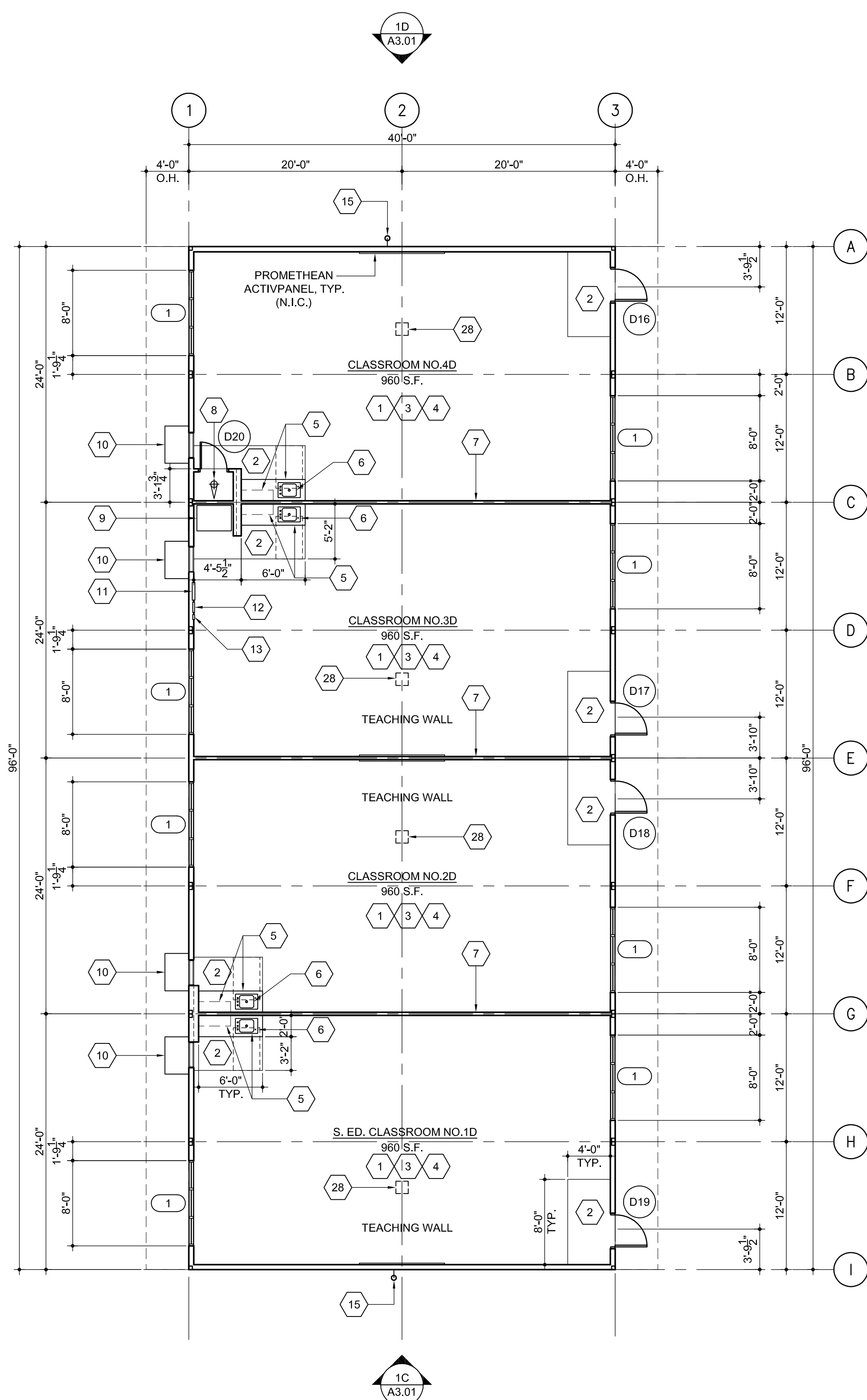
**A2.01**

# SCOPE OF WORK KEYNOTES

## GENERAL NOTES:

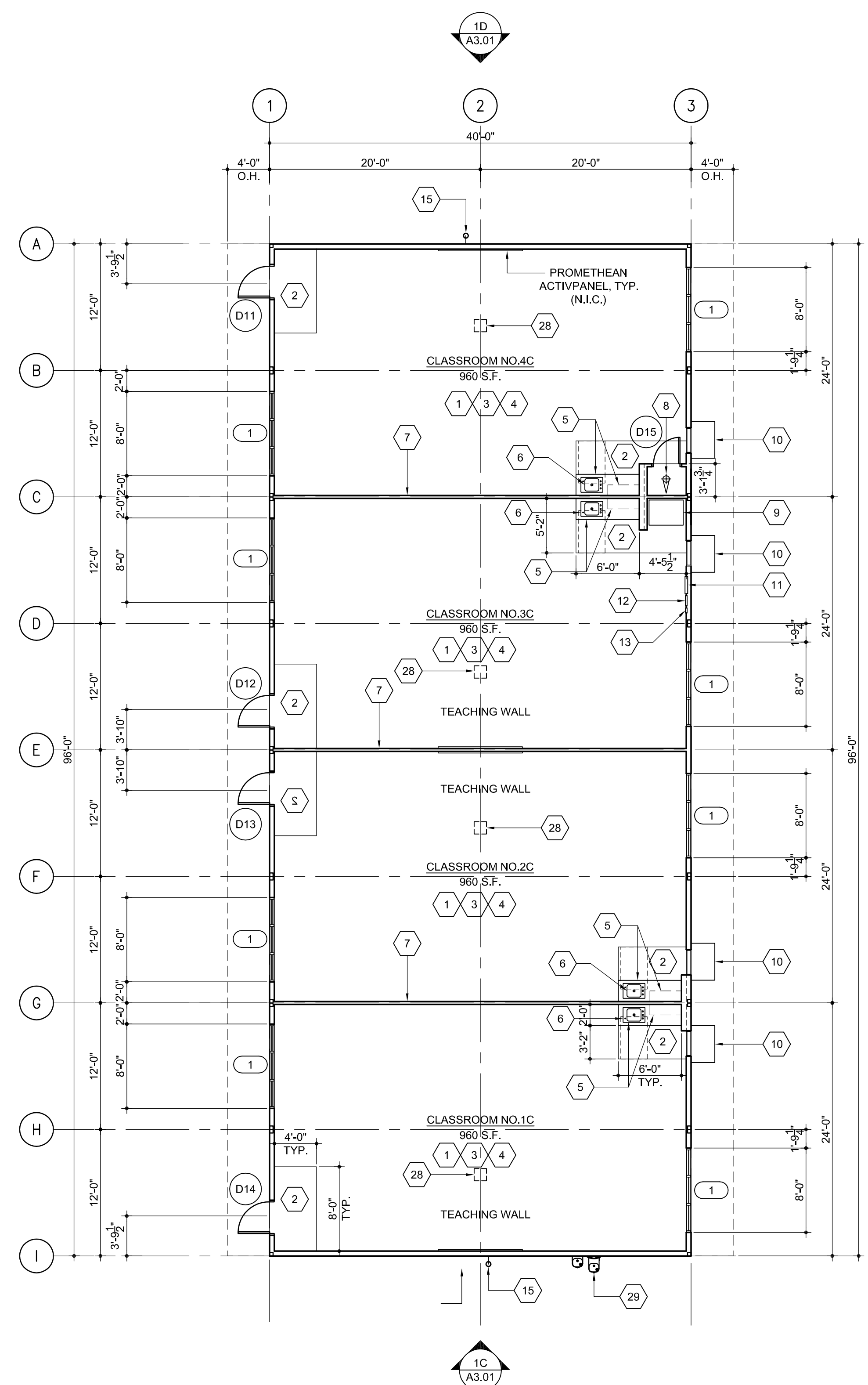
- A. ALL ITEMS INDICATED SHALL BE SUPPLIED BY MODULAR MANUFACTURER, UNLESS SPECIFICALLY NOTED OTHERWISE.
- B. PROVIDE BACKING AS REQUIRED FOR ALL ACCESSORIES, EQUIPMENT AND CABINETS.
- C. ONE STORY MODULAR BUILDINGS TO HAVE CONCRETE FLOOR WITH METAL DECK AND A 5" MIN. LIGHT WEIGHT CONCRETE SUBFLOOR WITH BELOW GRADE CONCRETE FOUNDATION SYSTEM. FOUNDATION SYSTEM SHALL COMPLY WITH ISM IR 16-1.13 REQUIREMENTS. FOUNDATION SYSTEM SHALL BE PER MODULAR MANUFACTURER'S PC DESIGN PACKAGE BUT SHALL BE PROVIDED UNDER THE SITE WORK CONTRACT.
- D. PROVIDE MIN. 2:12 PITCH ROOF WITH STANDING SEAM METAL ROOF AND 20 PSF SNOW LOAD CAPACITY PER MODULAR MANUFACTURER STANDARD. COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF KYNAR COLORS.
- E. AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED, SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURERS FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE WAINSCOT FINISHES PER INTERIOR ELEVATIONS, SEE SHT. A4.02.
- F. STUB-OUT AND PLUG C.I. WASTE BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- G. STUB-OUT AND CAP C.W. (TYPE "K" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- H. SEE ALL ADA SIGNAGE AND BRAILLE COMPLIANT SIGNAGE AT ALL DOOR AND ROOMS (ROOM NAMES AND NUMBERS). SEE SHT. A2.09 & A2.10 FOR REFERENCE ONLY. SITE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED SIGNAGE.
- I. PROVIDE COMMERCIAL GRADE ECOBEE THERMOSTATS.
- J. PROVIDE ALL CONDUIT AND J-BOX FOR ALL DATA DROPS AND POINTS OF CONNECTION. CONDUIT SHALL STUB UP IN WALL TO ABOVE CEILING INTO ACCESSIBLE ATTIC SPACE FOR FLEXIBLE RATED CABLE TO BE INSTALLED BY OTHERS. MIN. CONDUIT SIZE IN WALL SHALL BE 1/2" DIAMETER, UNLESS NOTED OTHERWISE.
- K. PROVIDE 1" WINDOW BLINDS FOR ALL WINDOWS, COLOR TO BE SELECTED BY ARCHITECT.
- L. ALL HARDWARE SCHEDULE AND SPECIFICATIONS SHALL BE PER DISTRICT STANDARDS. REFER TO THE ATTACHED HARDWARE CUT SHEETS, HARDWARE SCHEDULE AND SPECIFICATIONS TO BE USED FOR REFERENCE.
- M. MODULAR MANUFACTURER SHALL APPLY FACTORY STUCCO FINISH FOR ALL BUILDINGS AND SHALL COMPLY WITH ALL REQUIREMENTS UNDER C.B.C. CHAPTER 25.

- 1 PROVIDE CARPET TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: INTERFACET. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 2 PROVIDE VCT TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: ARMSTRONG. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 3 PROVIDE INSULATION-- R-30 AT ROOF AND R-19 (MIN.) AT WALLS. FLAME SPREAD-0-25 SMOKE DEVELOPED, FUEL CONTRIBUTED-0-450. (SEC. 707 1994 CBC)
- 4 PROVIDE DISTRICT STANDARD WALL FINISHES: FRP WAINSCOT OVER 1/2" GYP. BOARD FILLER FROM FLOOR TO 38" ABOVE THEN VINYL COVERED 1/2" TACKABLE SUBSTRATE OVER 1/2" GYP. BOARD FULL HEIGHT OF WALL UP TO 6" ABOVE CEILING. PROVIDE EXTRUDED ALUMINUM EDGE MOLDING AT BOTTOM AND AT ALL CUT OR EXPOSED EDGES. REFER TO SHT. A4.01 AND A4.02 FOR INTERIOR ELEVATIONS.
- 5 PROVIDE TYP. BASE AND UPPER CABINETS -- PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE WJ DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOCKS FOR ALL CABINET DOORS AND DRAWERS. ALL FILE DRAWERS MUST ACCOMMODATE A STANDARD PENDAFLEX HANGING FILE SYSTEM. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 6 PROVIDE CLASSROOM SINK w/ DRINKING FOUNTAIN BUBBLER COMPLETE WITH TRIM AND MAKE ALL FINAL CONNECTIONS WITH 2"WASTE, 1 1/2"VENT AND 3/4"CW WITH ANGLE STOPS. PROVIDE CLEANOUT PLUG BELOW SINK. CHLORINATION PER HEALTH CODE AND SPECIFICATIONS.
- 7 PROVIDE FULL HEIGHT PARTITION WITH DRYWALL ON BOTH SIDES AND R-11 BATT INSULATION FOR ACOUSTIC SEPARATION.
- 8 PROVIDE FIRE SPRINKLER RISER, PER PC APPROVED FIRE SPRINKLER DRAWINGS BY MODULAR MANUFACTURER.
- 9 PROVIDE IN-WALL BLOCKING FOR DISTRICT PROVIDED IDF CABINET. SEE ATTACHED IDF CUT SHEET FOR COMPLETE SPECIFICATIONS. IDF SHALL BE INSTALLED BY SITE CONTRACTOR.
- 10 PROVIDE WALL HUNG HVAC UNIT BY MODULAR BUILDING MANUFACTURER.
- 11 PROVIDE FLUSH MOUNTED ELECTRICAL PANEL.
- 12 PROVIDE 1 1/2" CONDUIT FOR FLUSH MOUNTED FIRE ALARM TERMINAL CABINET (BY OTHERS).
- 13 PROVIDE 1 1/2" CONDUIT FLUSH MOUNTED FIRE ALARM CABINET (BY OTHERS).
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- 16 FURNISH AND INSTALL FLOOR MOUNT WATER CLOSET WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
- 17 FURNISH AND INSTALL WALL MOUNT URINAL WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
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- 20 PROVIDE FLOOR DRAIN WITH TRAP PRIMER AND ADA COMPLIANT GRATE. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING.
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- 22 PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
- 23 PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2'x4' DCO-S835 120V SCC.
- 24 PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND OSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 8" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
- 25 PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANL 2'x4' ALO65W7M4 WITH DCMK224 AND SENSOR SWITCH# CM99-PD1.
- 26 PROVIDE 1" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
- 27 PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF, MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
- 28 PROVIDE FL-500P FLOOR BOX WITH 1/2" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET. COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
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- 32 PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.



**BUILDING 'D'  
CLASSROOM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
DATE: 11/24/2021

2  
A2.02



**BUILDING 'C'  
CLASSROOM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"  
DATE: 11/24/2021

1  
A2.02

AGENCY

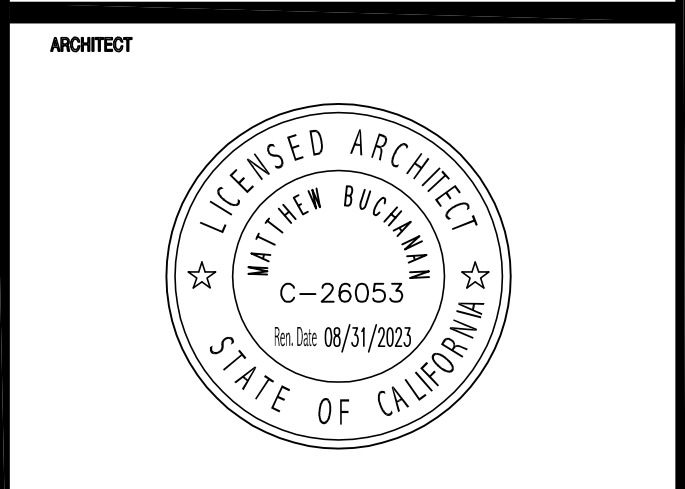


**FLEWELLING & MOODY**  
architecture planning interiors

HEADQUARTERS OFFICE:  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fmpassadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 865.945.0771  
E-Mail: fmlancaster@flewelling-moody.com

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CONSULTANT

Drawn by \_\_\_\_\_

Checked by \_\_\_\_\_

Revised

No.	Date	Description

All dimensions shall be checked on the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans are the intellectual property of Flewelling & Moody and no part of any other work is hereby authorized by Flewelling & Moody.

SOUTHERN KERN UNIFIED  
SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL  
EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

**BLDG. C & D CLASSROOM  
FLOOR PLAN**

Job No.	2940.000
Date	09-02-21

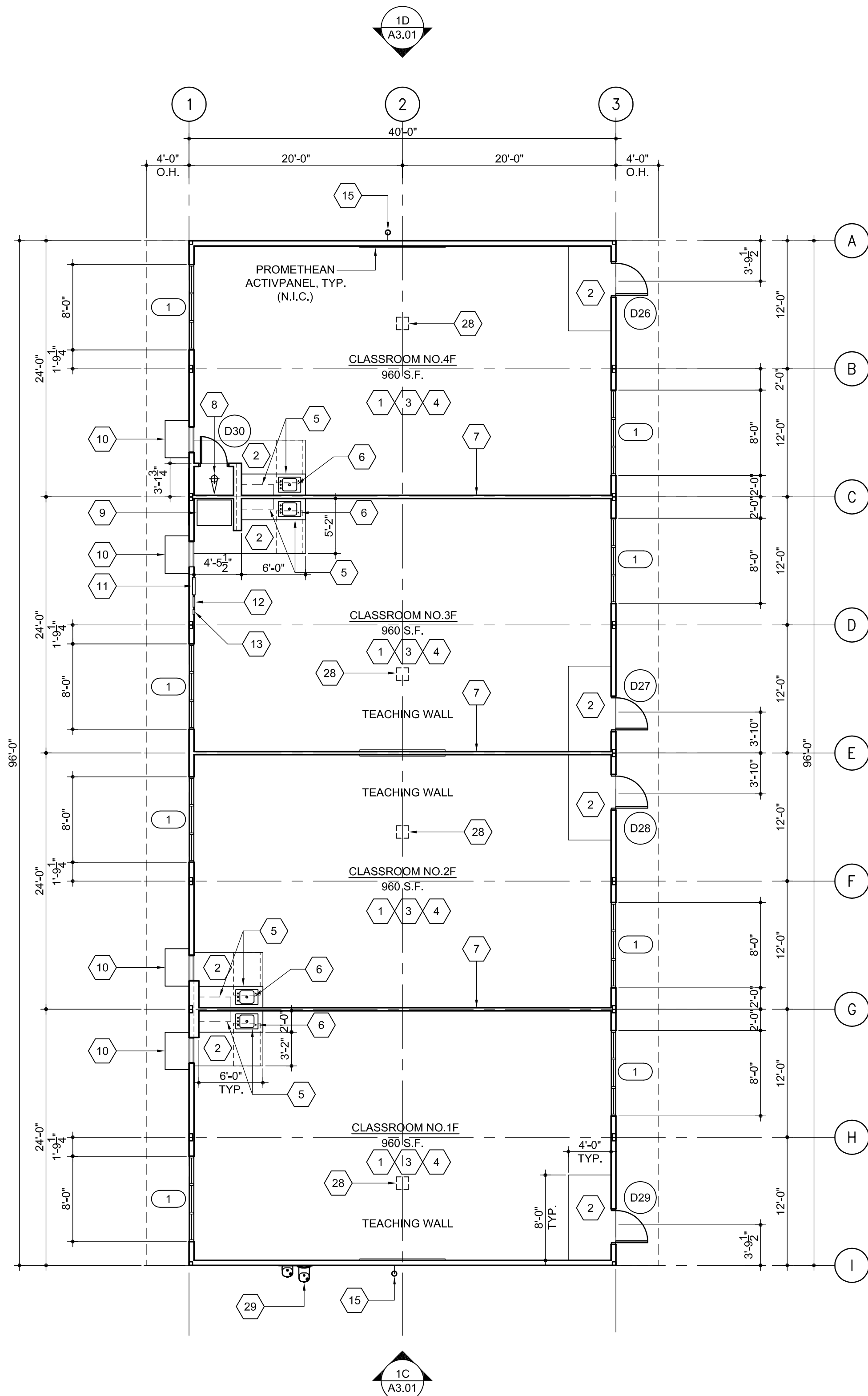
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# SCOPE OF WORK KEYNOTES

## GENERAL NOTES:

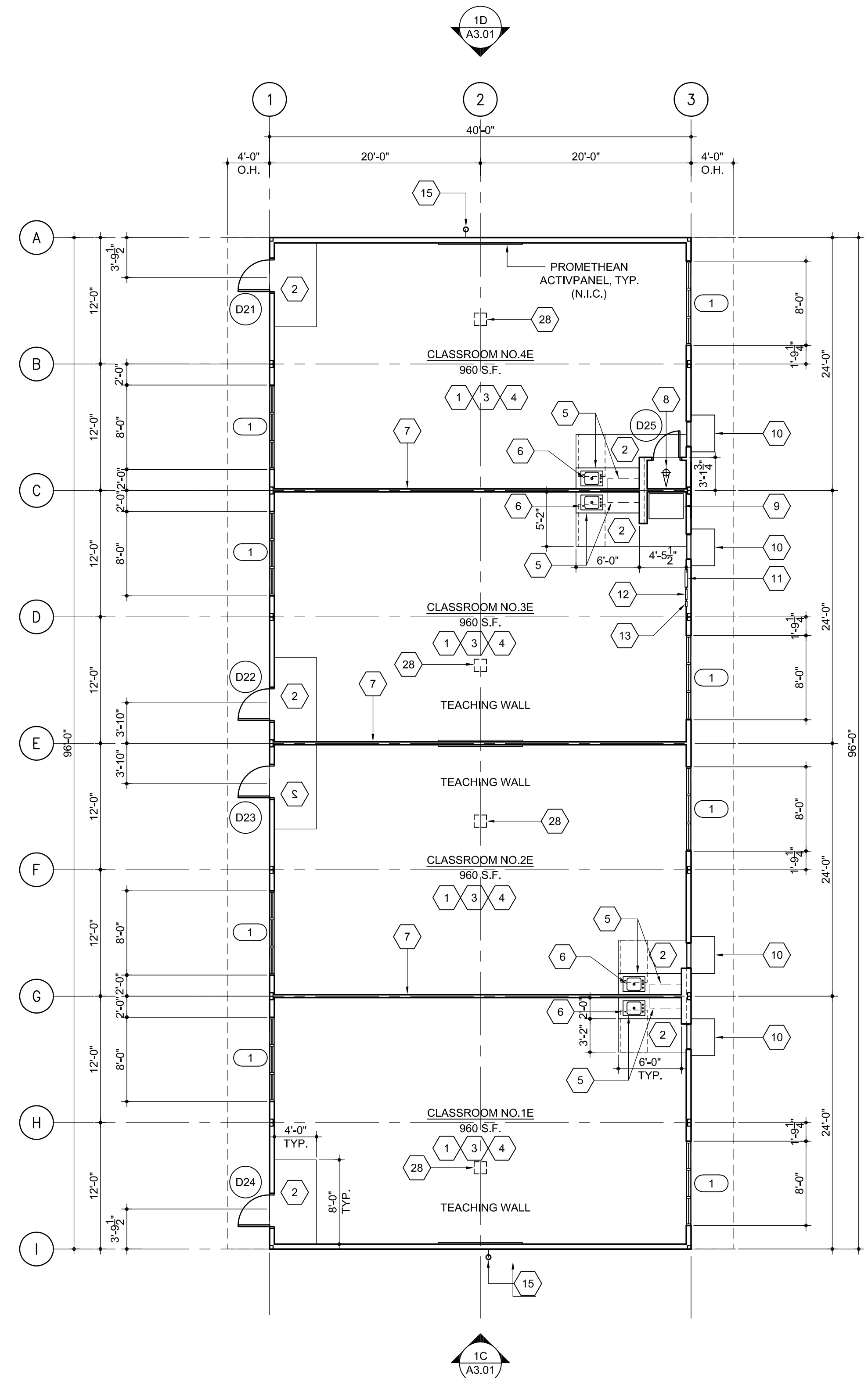
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- E. AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED, SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURERS FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE MANSCOT FINISHES PER INTERIOR ELEVATIONS, SEE SHT. A4.02.
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- G. STUB-OUT AND CAP C.W. (TYPE "K" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
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- M. MODULAR MANUFACTURER SHALL APPLY FACTORY STUCCO FINISH FOR ALL BUILDINGS AND SHALL COMPLY WITH ALL REQUIREMENTS UNDER C.B.C. CHAPTER 25.

1. PROVIDE CARPET TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURERS INSTRUCTIONS. MANUFACTURER: INTERFAC CARPET. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
2. PROVIDE VCT TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURERS INSTRUCTIONS. MANUFACTURER: ARMSTRONG. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
3. PROVIDE INSULATION - R-30 AT ROOF AND R-19 (MIN.) AT WALLS. FLAME SPREAD-0-25 SMOKE DEVELOPED-0-450. (SEC. 707 1994 CBC)
4. PROVIDE DISTRICT STANDARD WALL FINISHES: FRP MANSCOT OVER 1/2" GYP. BOARD FILLER FROM FLOOR TO 36" ABOVE THEN VINYL COVERED 1/2" TACKABLE SUBSTRATE OVER 1/2" TYPE "X" GYP. BOARD FULL HEIGHT OF WALL UP TO 6" ABOVE CEILING. PROVIDE EXTRUDED ALUMINUM EDGE MOLDING AT BOTTOM AND AT ALL CUT OR EXPOSED EDGES. REFER TO SHT. A4.01 AND A4.02 FOR INTERIOR ELEVATIONS.
5. PROVIDE TYP. BASE AND UPPER CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE IN DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOCKS FOR ALL CABINET DOORS AND DRAWERS. ALL FILE DRAWERS MUST ACCOMMODATE A STANDARD PENDAFLEX HANGING FILE SYSTEM. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
6. PROVIDE CLASSROOM SINK w/ DRINKING FOUNTAIN BUBBLER COMPLETE WITH TRIM AND MAKE ALL FINAL CONNECTIONS WITH 2" WASTE, 1 1/2" VENT AND 3/4" CW WITH ANGLE STOPS. PROVIDE CLEANOUT PLUG BELOW SINK. CHLORINATION PER HEALTH CODE AND SPECIFICATIONS.
7. PROVIDE FULL HEIGHT PARTITION WITH DRYWALL ON BOTH SIDES AND R-11 BATT INSULATION FOR ACOUSTIC SEPARATION.
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12. PROVIDE 1 1/2" CONDUIT FOR FLUSH MOUNTED FIRE ALARM TERMINAL CABINET (BY OTHERS).
13. PROVIDE 1 1/2" CONDUIT FLUSH MOUNTED FIRE ALARM CABINET (BY OTHERS).
14. PROVIDE FULL HEIGHT CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE IN DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOCKS FOR ALL CABINET DOORS.
15. PROVIDE F.R. HOSE BIBB (HB-1) RECESSED IN WALL & CONNECT 3/4" C.W.
16. FURNISH AND INSTALL FLOOR MOUNT WATER CLOSET WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
17. FURNISH AND INSTALL WALL MOUNT URINAL WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
18. PROVIDE EXHAUST FAN PER MODULAR MANUFACTURER'S SPECIFICATION.
19. PROVIDE 2"x2" SEMI-GLOSS CERAMIC TILES. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. COLOR OF TILE AND GROUT TO BE SELECTED BY ARCHITECT. MANUFACTURER: DAL-TILE OR APPROVED EQUAL.
20. PROVIDE FLOOR DRAIN WITH TRAP PRIMER AND ADA COMPLIANT GRATE. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING.
21. PROVIDE HINY HIDERS TOILET PARTITIONS COMPLETE WITH ALL WALL AND FLOOR MOUNTED BACKING BY SCRANTON PRODUCTS OR EQUAL. COLOR TO BE SELECTED BY ARCHITECT. PROVIDE CONTINUOUS WALL BRACKETS RATED FOR SCHOOL INSTALLATIONS.
22. PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
23. PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2'x4' DCO-S835 120V SCL.
24. PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND DSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 1/2" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
25. PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANL 2'x4' ALO65W744 WITH DCMK224 AND SENSOR SWITCH# CMR9-PDT.
26. PROVIDE 1/2" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
27. PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF, MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
28. PROVIDE FL-500P FLOOR BOX WITH 1/2" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET, COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
29. PROVIDE HEAVY DUTY GALVANIZED IN-WALL MOUNTED STAINLESS STEEL AND ANTI-FREEZE HI-LO DRINKING FOUNTAIN WITH ANTIMICROBIAL COPPER PUSH BUTTON COMPLETE WITH ALL REQUIRED PLUMBING FOR A COMPLETE INSTALLATION. MANUFACTURER: OASIS OR APPROVED EQUAL.
30. FURNISH AND INSTALL LAVATORY COMPLETE WITH FAUCET BACK PLATE, TRAP, VENT AND ALL ACCESSORIES. INSULATE ALL EXPOSED HOT & COLD WATER AND WASTE PIPING BELOW LAVATORY. PROVIDE ALL FINAL WASTE, VENT AND MAKE WATER CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
31. PROVIDE RECESSED CEILING HEATER (COF SERIES) PER ATTACHED CUTSHEET. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
32. PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.



**BUILDING 'F'  
CLASSROOM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

2  
A2.03



**BUILDING 'E'  
CLASSROOM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

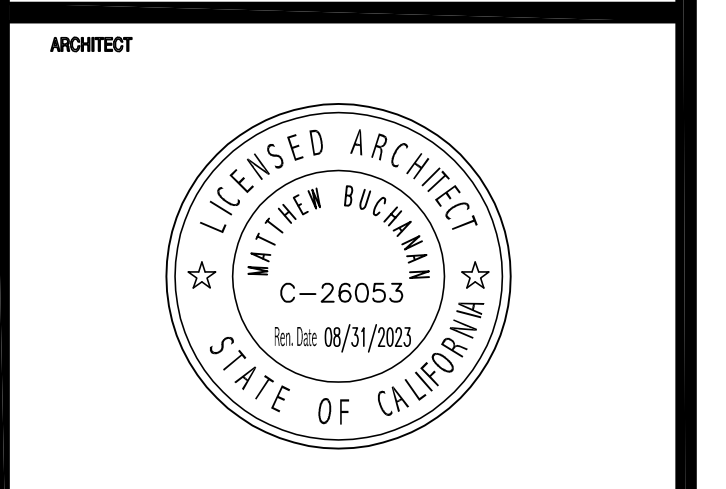
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**FLEWELLING & MOODY**  
architecture planning interiors

HEADQUARTERS OFFICE:  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 865.945.0771  
E-Mail: fm-lancaster@flewelling-moody.com

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CONSULTANT

No.	Date	Description

SOUTHERN KERN UNIFIED  
SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL  
EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

**BLDG. E & F CLASSROOM  
FLOOR PLAN**

Job No.  
2940.000

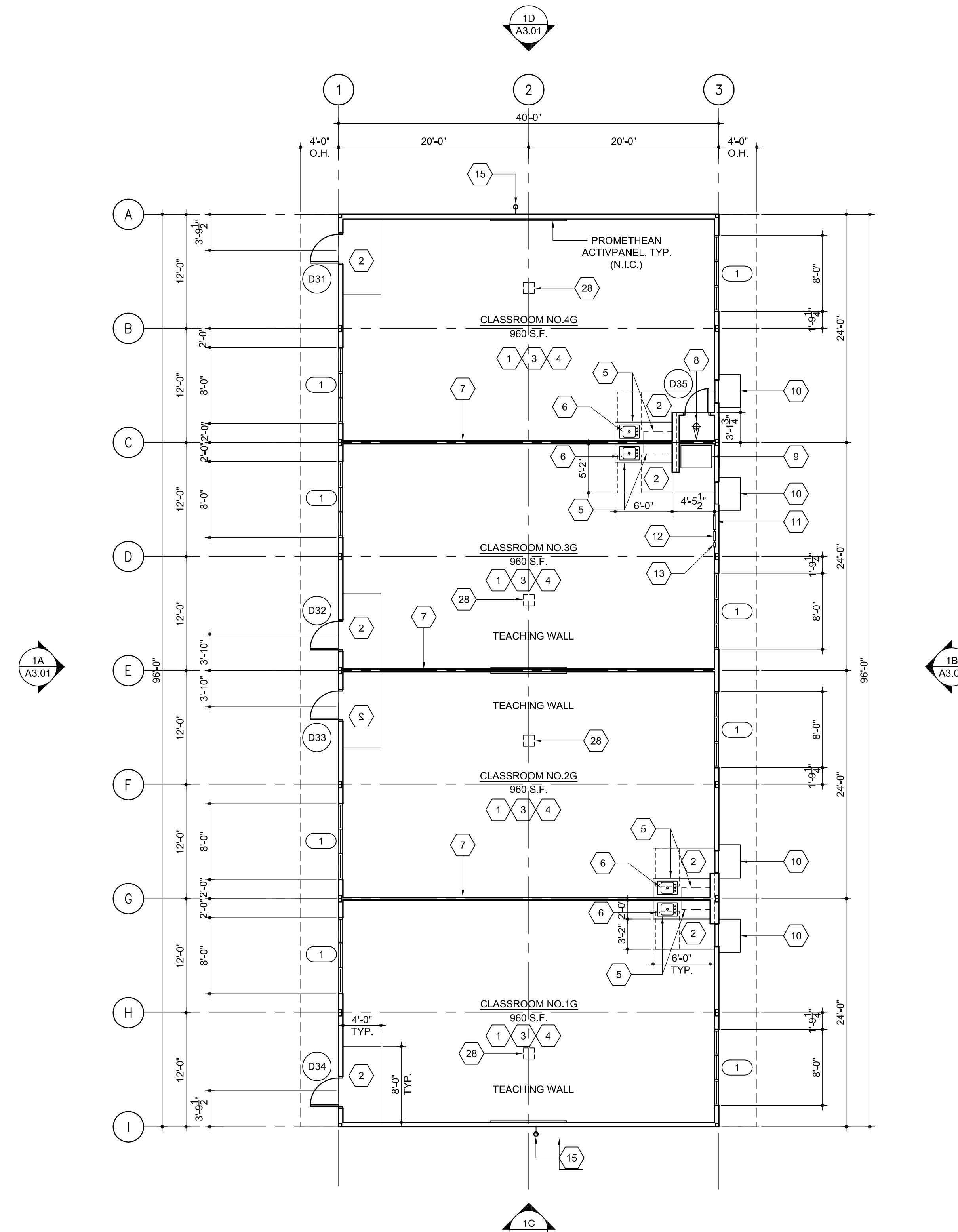
Date  
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# SCOPE OF WORK KEYNOTES

## GENERAL NOTES:

- A. ALL ITEMS INDICATED SHALL BE SUPPLIED BY MODULAR MANUFACTURER, UNLESS SPECIFICALLY NOTED OTHERWISE.
- B. PROVIDE BACKING AS REQUIRED FOR ALL ACCESSORIES, EQUIPMENT AND CABINETS.
- C. ONE STORY MODULAR BUILDINGS TO HAVE CONCRETE FLOOR WITH METAL DECK AND A 5" MIN. LIGHT WEIGHT CONCRETE SUBFLOOR WITH BELOW GRADE CONCRETE FOUNDATION SYSTEM. FOUNDATION SYSTEM SHALL COMPLY WITH DSA IR 16-1.13 REQUIREMENTS. FOUNDATION SYSTEM SHALL BE PER MODULAR MANUFACTURER'S PC DESIGN PACKAGE BUT SHALL BE PROVIDED UNDER THE SITE WORK CONTRACT.
- D. PROVIDE MIN. 2:12 PITCH ROOF WITH STANDING SEAM METAL ROOF AND 20 PSF SNOW LOAD CAPACITY PER MODULAR MANUFACTURER STANDARD. COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF KYNAR COLORS.
- E. AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED, SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURER'S FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE WAINSCOT FINISHES PER INTERIOR ELEVATIONS, SEE SHT. A4.02.
- F. STUB-OUT AND PLUG C.I. WASTE BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- G. STUB-OUT AND CAP C.W. (TYPE "K" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- H. SEE ALL ADA SIGNAGE AND BRAILLE COMPLIANT SIGNAGE AT ALL DOOR AND ROOMS (ROOM NAMES AND NUMBERS), SEE SHT. A2.09 & A2.10 FOR REFERENCE ONLY. SITE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED SIGNAGE.
- I. PROVIDE COMMERCIAL GRADE ECOBEE THERMOSTATS.
- J. PROVIDE ALL CONDUIT AND J-BOX FOR ALL DATA DROPS AND POINTS OF CONNECTION. CONDUIT SHALL STUB UP IN WALL TO ABOVE CEILING INTO ACCESSIBLE ATTIC SPACE FOR PLENUM RATED CABLE TO BE INSTALLED BY OTHERS. MIN. CONDUIT SIZE IN WALL SHALL BE 1" DIAMETER, UNLESS NOTED OTHERWISE.
- K. PROVIDE 1" WINDOW BLINDS FOR ALL WINDOWS, COLOR TO BE SELECTED BY ARCHITECT. REFER TO THE ATTACHED HARDWARE CUT SHEETS, HARDWARE SCHEDULE AND SPECIFICATIONS TO BE USED FOR REFERENCE.
- M. MODULAR MANUFACTURER SHALL APPLY FACTORY STUCCO FINISH FOR ALL BUILDINGS AND SHALL COMPLY WITH ALL REQUIREMENTS UNDER C.B.C. CHAPTER 25.



**BUILDING 'G'  
CLASSROOM FLOOR PLAN**  
SCALE: 1/8" = 1'-0"

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A2.04

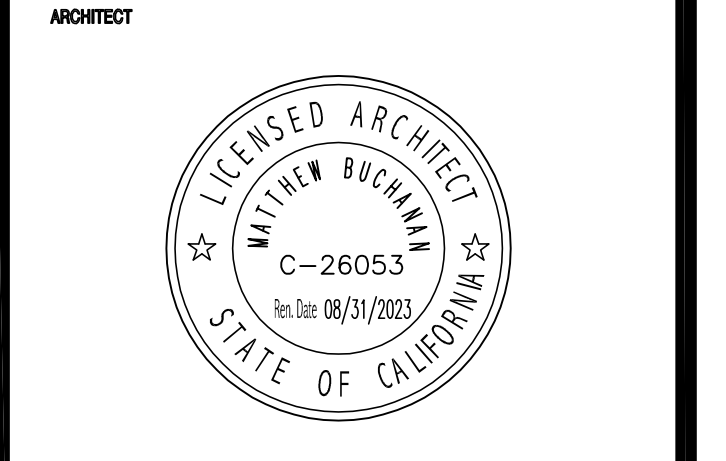
- 1. PROVIDE CARPET TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: INTERFACE CARPET. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 2. PROVIDE VCT TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: ARMSTRONG. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 3. PROVIDE INSULATION - R-30 AT ROOF AND R-19 (MIN.) AT WALLS. FLAME SPREAD-0-25 SMOKE DEVELOPED, FUEL CONTRIBUTED-0-450. (SEC. 707 1994 CBC)
- 4. PROVIDE DISTRICT STANDARD WALL FINISHES: FRP WAINSCOT OVER 1/2" GYP. BOARD FILLER FROM FLOOR TO 38" ABOVE THEN VINYL COVERED 1/2" TACKABLE SUBSTRATE OVER 1/2" TYPE "X" GYP. BOARD FULL HEIGHT OF WALL UP TO 6" ABOVE CEILING. PROVIDE EXTRUDED ALUMINUM EDGE MOLDING AT BOTTOM AND AT ALL CUT OR EXPOSED EDGES. REFER TO SHT. A4.01 AND A4.02 FOR INTERIOR ELEVATIONS.
- 5. PROVIDE TYP. BASE AND UPPER CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE IN DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOCKS FOR ALL CABINET DOORS AND DRAWERS. ALL FILE DRAWERS MUST ACCOMMODATE A STANDARD PENDAFLEX HANGING FILE SYSTEM. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 6. PROVIDE CLASSROOM SINK w/ DRINKING FOUNTAIN BUBBLER COMPLETE WITH TRIM AND MAKE ALL FINAL CONNECTIONS WITH 2"WASTE, 1 1/2" VENT AND 3/4" CW WITH ANGLE STOPS. PROVIDE CLEANOUT PLUG BELOW SINK. CHLORINATION PER HEALTH CODE AND SPECIFICATIONS.
- 7. PROVIDE FULL HEIGHT PARTITION WITH DRYWALL ON BOTH SIDES AND R-11 BATT INSULATION FOR ACOUSTIC SEPARATION.
- 8. PROVIDE FIRE SPRINKLER RISER, PER PC APPROVED FIRE SPRINKLER DRAWINGS BY MODULAR MANUFACTURER.
- 9. PROVIDE IN-WALL BLOCKING FOR DISTRICT PROVIDED IDF CABINET, SEE ATTACHED IDF CUT SHEET FOR COMPLETE SPECIFICATIONS. IDF SHALL BE INSTALLED BY SITE CONTRACTOR.
- 10. PROVIDE WALL HUNG HVAC UNIT BY MODULAR BUILDING MANUFACTURER.
- 11. PROVIDE FLUSH MOUNTED ELECTRICAL PANEL.
- 12. PROVIDE 1 1/2" CONDUIT FOR FLUSH MOUNTED FIRE ALARM TERMINAL CABINET (BY OTHERS).
- 13. PROVIDE 1 1/2" CONDUIT FLUSH MOUNTED FIRE ALARM CABINET (BY OTHERS).
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- 18. PROVIDE EXHAUST FAN PER MODULAR MANUFACTURER'S SPECIFICATION.
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- 22. PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
- 23. PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2'x4' DCO-S835 120V SCL.
- 24. PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND DSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 1/2" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
- 25. PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANL 2'x4' ALO65W7M4 WITH DCMK224 AND SENSOR SWITCH# CM99-PDT.
- 26. PROVIDE 1/2" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
- 27. PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF, MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
- 28. PROVIDE FL-500P FLOOR BOX WITH 1/2" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET, COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
- 29. PROVIDE HEAVY DUTY GALVANIZED IN-WALL MOUNTED STAINLESS STEEL AND ANTI-FREEZE HI-LO DRINKING FOUNTAIN WITH ANTIMICROBIAL COPPER PUSH BUTTON COMPLETE WITH ALL REQUIRED PLUMBING FOR A COMPLETE INSTALLATION. MANUFACTURER: OASIS OR APPROVED EQUAL.
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- 31. PROVIDE RECESSED CEILING HEATER (CDF SERIES) PER ATTACHED CUTSHEET. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 32. PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.

**FLEWELLING & MOODY**  
architecture planning interiors

HEADQUARTERS OFFICE:  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 865.945.0771  
E-Mail: fm-lancaster@flewelling-moody.com

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CONSULTANT

Drawn by \_\_\_\_\_

Checked by \_\_\_\_\_

Revisions

No.	Date	Description

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SOUTHERN KERN UNIFIED  
SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL  
EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

**BLDG. G CLASSROOM  
FLOOR PLAN**

Job No.  
2940.000

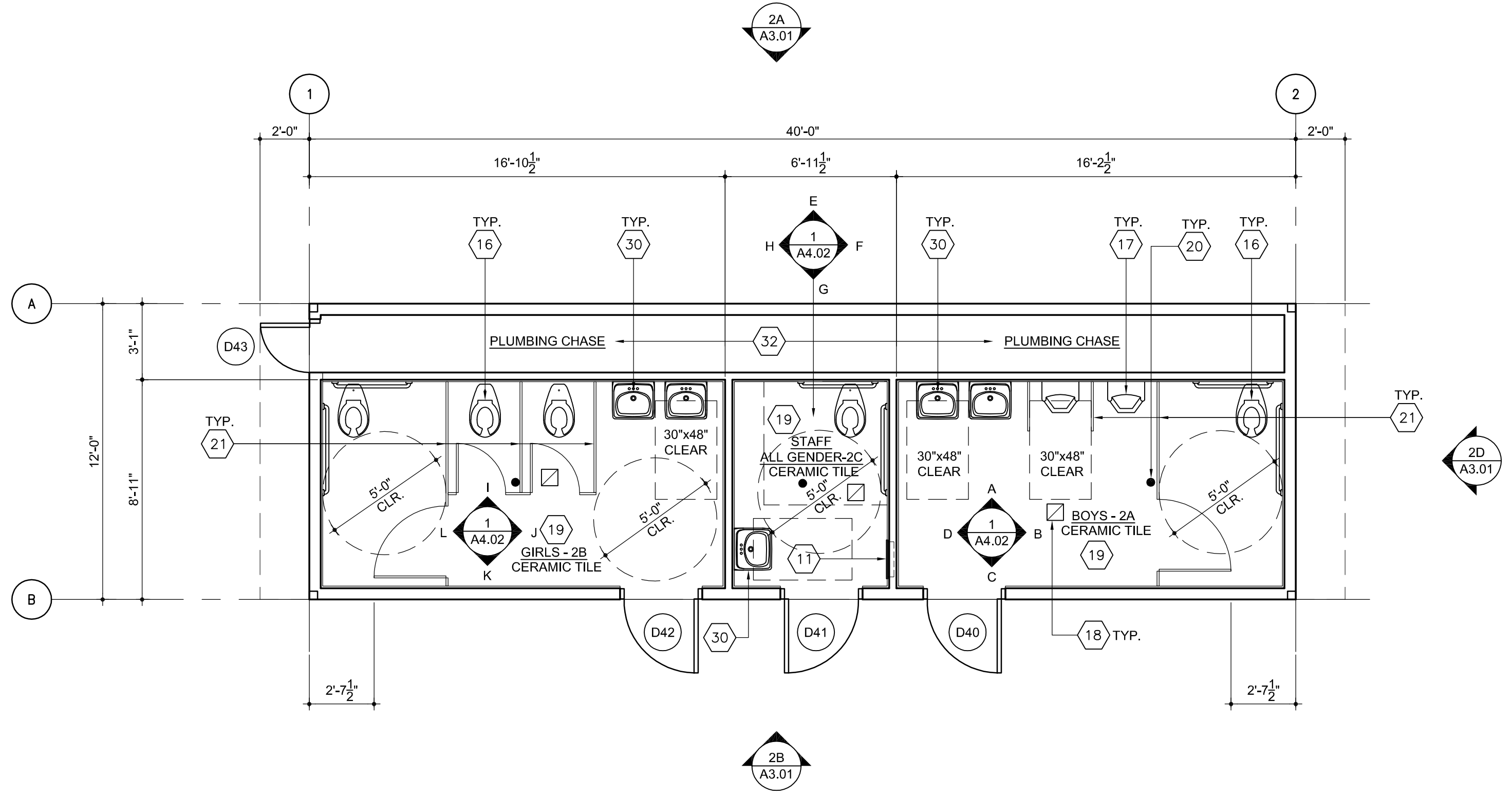
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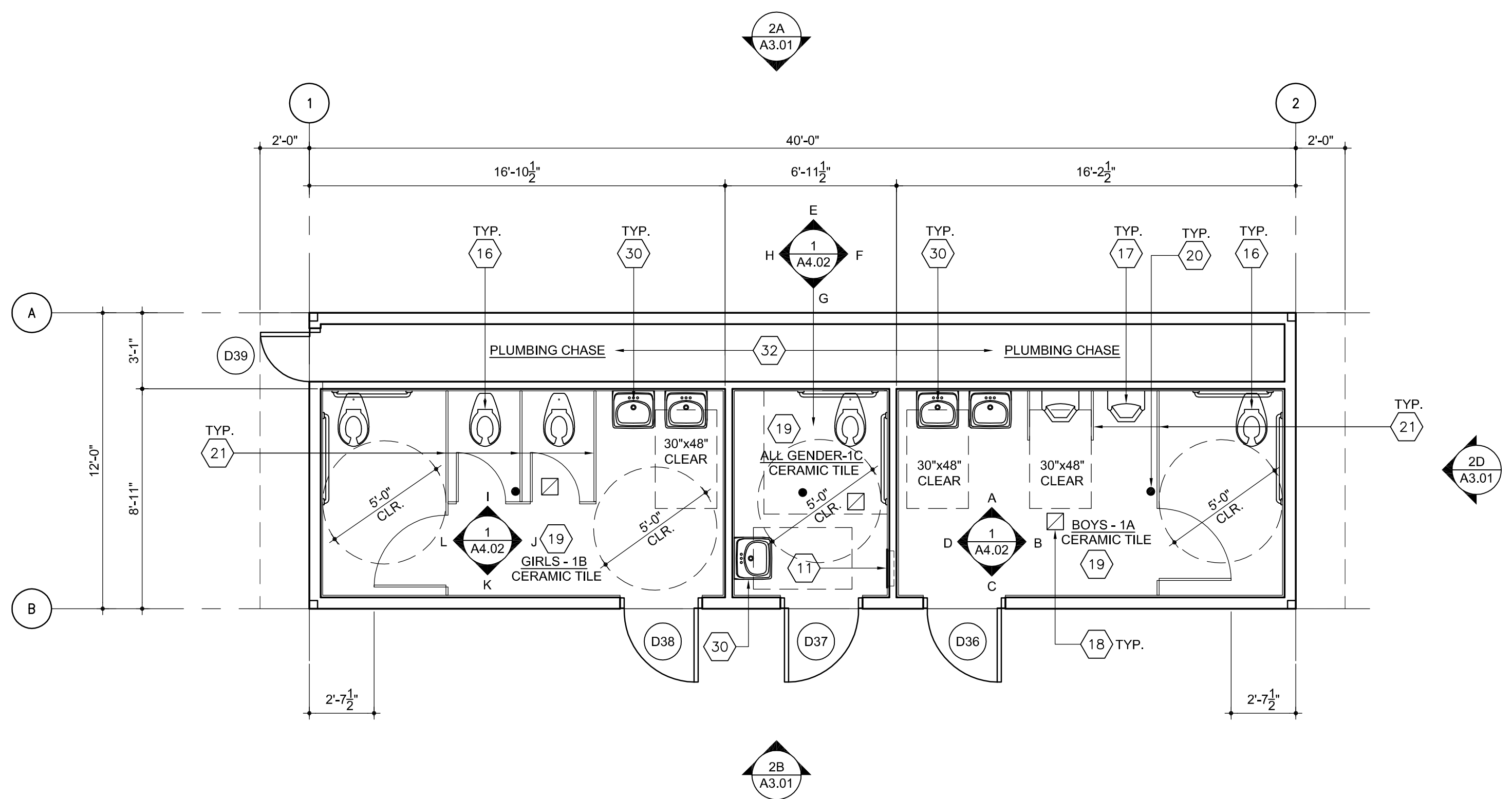
# SCOPE OF WORK KEYNOTES

- GENERAL NOTES:**
- ALL ITEMS INDICATED SHALL BE SUPPLIED BY MODULAR MANUFACTURER, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - PROVIDE BACKING AS REQUIRED FOR ALL ACCESSORIES, EQUIPMENT AND CABINETS.
  - ONE STORY MODULAR BUILDINGS TO HAVE CONCRETE FLOOR WITH METAL DECK AND A 5" MIN. LIGHT WEIGHT CONCRETE SUBFLOOR WITH BELOW GRADE CONCRETE FOUNDATION SYSTEM. FOUNDATION SYSTEM SHALL COMPLY WITH DSA IR 16-1.13 REQUIREMENTS. FOUNDATION SYSTEM SHALL BE PER MODULAR MANUFACTURER'S PC DESIGN PACKAGE BUT SHALL BE PROVIDED UNDER THE SITE WORK CONTRACT.
  - PROVIDE MIN. 2:12 PITCH ROOF WITH STANDING SEAM METAL ROOF AND 20 PSF SNOW LOAD CAPACITY PER MODULAR MANUFACTURER STANDARD. COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF KYNAR COLORS.
  - AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED, SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURER'S FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE MAINSCOT FINISHES PER INTERIOR ELEVATIONS, SEE SHT. A4.02.
  - STUB-OUT AND PLUG C.I. WASTE BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
  - STUB-OUT AND CAP C.W. (TYPE "X" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
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  - ALL HARDWARE SCHEDULE AND SPECIFICATIONS SHALL BE PER DISTRICT STANDARDS. REFER TO THE ATTACHED HARDWARE CUT SHEETS, HARDWARE SCHEDULE AND SPECIFICATIONS TO BE USED FOR REFERENCE.
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- PROVIDE CARPET TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: INTERFACE CARPET. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
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- PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
- PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2'x4' DCO-SB35 120V SCCI.
- PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND DSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 1/2" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
- PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANL 2'x4' ALO65W7M4 WITH DCMK224 AND SENSOR SWITCH# CM99-PDT.
- PROVIDE 1/2" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
- PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF. MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
- PROVIDE EL-SOOP FLOOR BOX WITH 1/2" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET, COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
- PROVIDE HEAVY DUTY GALVANIZED IN-WALL MOUNTED STAINLESS STEEL AND ANTI-FREEZE HI-LO DRINKING FOUNTAIN WITH ANTIMICROBIAL COPPER PUSH BUTTON COMPLETE WITH ALL REQUIRED PLUMBING FOR A COMPLETE INSTALLATION. MANUFACTURER: OASIS OR APPROVED EQUAL.
- FURNISH AND INSTALL LAVATORY COMPLETE WITH FAUCET BACK PLATE, TRAP, VENT AND ALL ACCESSORIES. INSULATE ALL EXPOSED HOT & COLD WATER AND WASTE PIPING BELOW LAVATORY. PROVIDE ALL FINAL WASTE, VENT AND MAKE WATER CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
- PROVIDE RECESSED CEILING HEATER (CDF SERIES) PER ATTACHED CUTSHEET. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.



**RESTROOM BUILDING NO.2 FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
PROJECT NUMBER: 2940-000-A2.05  
DATE: 06/2021



**RESTROOM BUILDING NO.1 FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
PROJECT NUMBER: 2940-000-A2.05  
DATE: 06/2021

**AGENCY**

**FLEWELLING & MOODY**  
architecture planning interiors

**HEADQUARTERS OFFICE:**  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fmpassadena@flewelling-moody.com

**ANTELOPE VALLEY OFFICE:**  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 951.945.0771  
E-Mail: fmlancaster@flewelling-moody.com

An Employee Owned Corporation

**ARCHITECT**

**CONSULTANT**

No.	Date	Description

Drawn by \_\_\_\_\_  
Checked by \_\_\_\_\_  
Reviewed by \_\_\_\_\_

**SOUTHERN KERN UNIFIED SCHOOL DISTRICT**  
TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD ROSAMOND, CA 93560

**RESTROOM BLDG. 1 & 2 FLOOR PLAN**

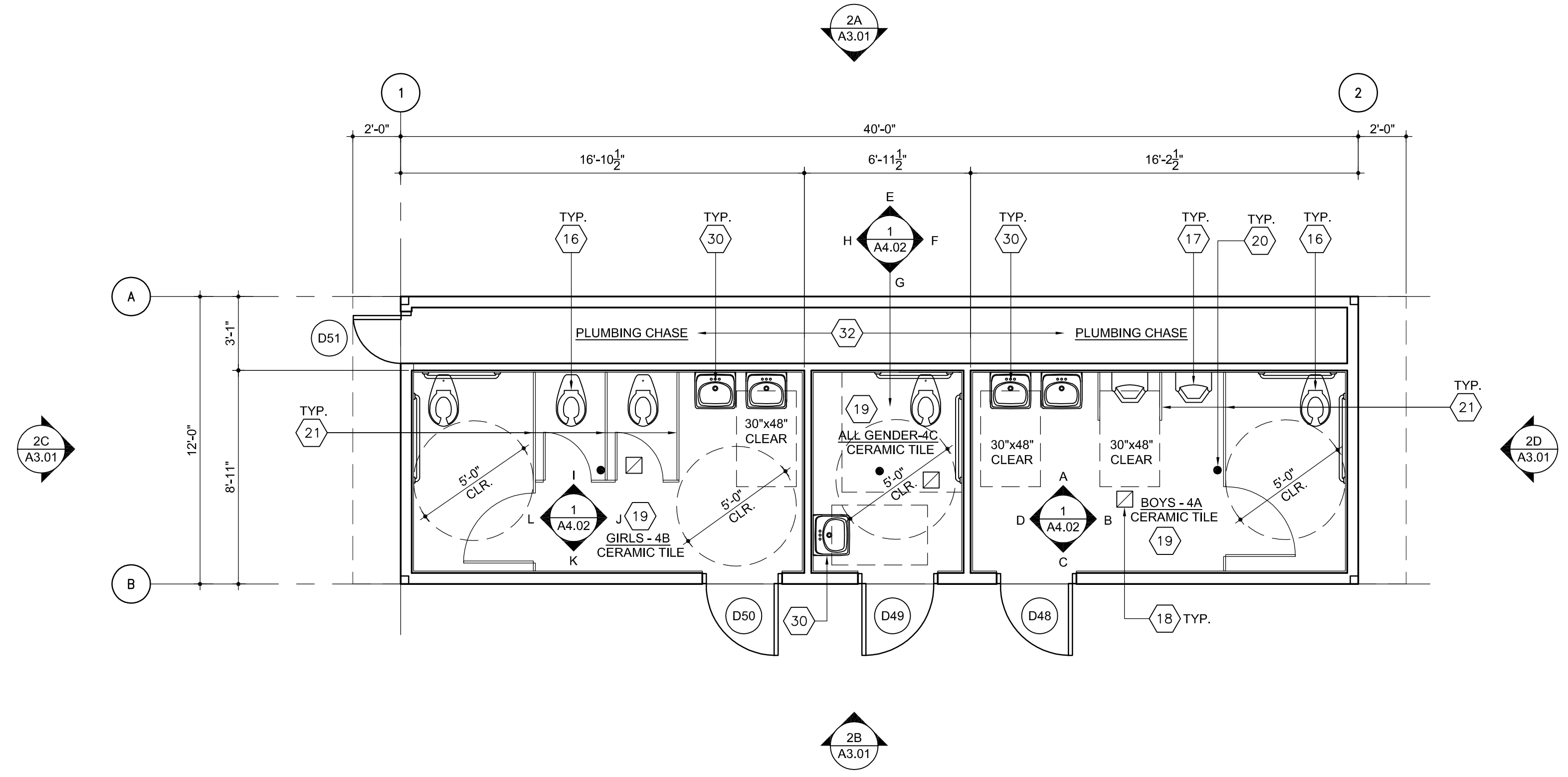
Job No. 2940.000  
Date 09-02-21  
**A2.05**

## SCOPE OF WORK KEYNOTES

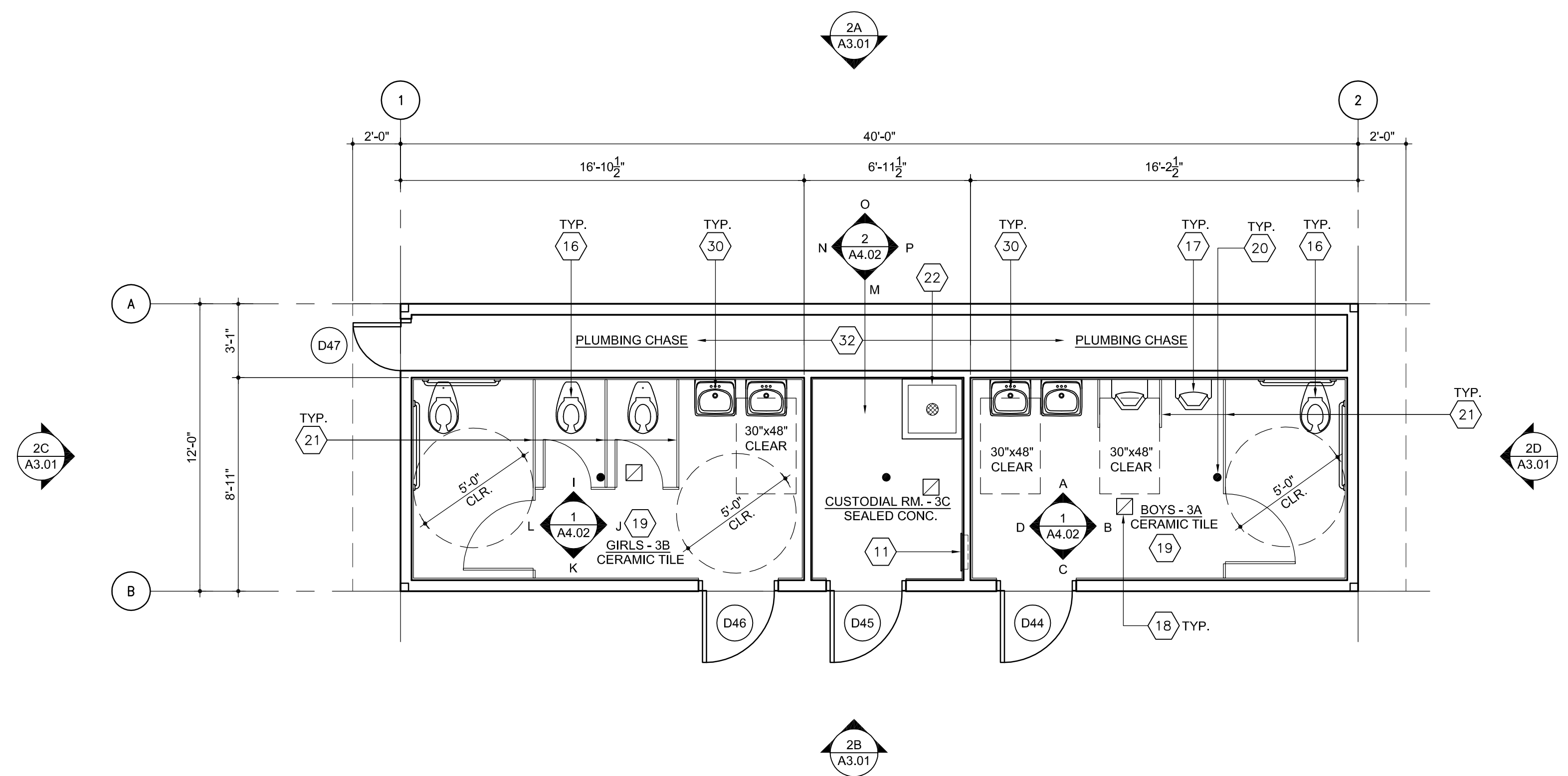
### GENERAL NOTES:

- A. ALL ITEMS INDICATED SHALL BE SUPPLIED BY MODULAR MANUFACTURER, UNLESS SPECIFICALLY NOTED OTHERWISE.
- B. PROVIDE BACKING AS REQUIRED FOR ALL ACCESSORIES, EQUIPMENT AND CABINETS.
- C. ONE STORY MODULAR BUILDINGS TO HAVE CONCRETE FLOOR WITH METAL DECK AND A 5" MIN. LIGHT WEIGHT CONCRETE SUBFLOOR WITH BELOW GRADE CONCRETE FOUNDATION SYSTEM. FOUNDATION SYSTEM SHALL COMPLY WITH DSA IR 16-1.13 REQUIREMENTS. FOUNDATION SYSTEM SHALL BE PER MODULAR MANUFACTURER'S PC DESIGN PACKAGE BUT SHALL BE PROVIDED UNDER THE SITE WORK CONTRACT.
- D. PROVIDE MIN. 2:12 PITCH ROOF WITH STANDING SEAM METAL ROOF AND 20 PSF SNOW LOAD CAPACITY PER MODULAR MANUFACTURER STANDARD. COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF KYMAR COLORS.
- E. AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED. SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURER'S FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE WAINSCOT FINISHES PER INTERIOR ELEVATIONS. SEE SHT. A4.02.
- F. STUB-OUT AND PLUG C.I. WASTE BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- G. STUB-OUT AND CAP C.W. (TYPE "K" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- H. SEE ALL ADA SIGNAGE AND BRAILLE COMPLIANT SIGNAGE AT ALL DOOR AND ROOMS (ROOM NAMES AND NUMBERS). SEE SHT. A2.09 & A2.10 FOR REFERENCE ONLY. SITE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED SIGNAGE.
- I. PROVIDE COMMERCIAL GRADE ECOBEE THERMOSTATS.
- J. PROVIDE ALL CONDUIT AND J-BOX FOR ALL DATA DROPS AND POINTS OF CONNECTION. CONDUIT SHALL STUB UP IN WALL TO ABOVE CEILING INTO ACCESSIBLE ATTIC SPACE FOR PLENUM RATED CABLE TO BE INSTALLED BY OTHERS. MIN. CONDUIT SIZE IN WALL SHALL BE 1" DIAMETER, UNLESS NOTED OTHERWISE.
- K. PROVIDE 1" WINDOW BLINDS FOR ALL WINDOWS, COLOR TO BE SELECTED BY ARCHITECT.
- L. ALL HARDWARE SCHEDULE AND SPECIFICATIONS SHALL BE PER DISTRICT STANDARDS. REFER TO THE ATTACHED HARDWARE CUT SHEETS, HARDWARE SCHEDULE AND SPECIFICATIONS TO BE USED FOR REFERENCE.
- M. MODULAR MANUFACTURER SHALL APPLY FACTORY STUCCO FINISH FOR ALL BUILDINGS AND SHALL COMPLY WITH ALL REQUIREMENTS UNDER C.B.C. CHAPTER 25.

1. PROVIDE CARPET TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: INTERFACE CARPET. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
2. PROVIDE VCT TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: ARMSTRONG. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
3. PROVIDE INSULATION - R-30 AT ROOF AND R-19 (MIN.) AT WALLS. FLAME SPREAD-0-25 SMOKE DEVELOPED. FUEL CONTRIBUTED-0-450. (SEC. 707 1994 CBC)
4. PROVIDE DISTRICT STANDARD WALL FINISHES: FRP WAINSCOT OVER 1/2" GYP. BOARD FILLER FROM FLOOR TO 36" ABOVE THEN VINYL COVERED 1/2" TACKLE SUBSTRATE OVER 3/4" TYPE 'X' GYP. BOARD FULL HEIGHT OF WALL UP TO 6" ABOVE CEILING. PROVIDE EXTRUDED ALUMINUM EDGE MOLDING AT BOTTOM AND AT ALL CUT OR EXPOSED EDGES. REFER TO SHT. A4.01 AND A4.02 FOR INTERIOR ELEVATIONS.
5. PROVIDE TYP. BASE AND UPPER CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE WI DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOCKS FOR ALL CABINET DOORS AND DRAWERS. ALL FILE DRAWERS MUST ACCOMMODATE A STANDARD PENDAFLEX HANGING FILE SYSTEM. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
6. PROVIDE CLASSROOM SINK w/ DRINKING FOUNTAIN BUBBLER COMPLETE WITH TRIM AND MAKE ALL FINAL CONNECTIONS WITH 2"WASTE, 1 1/2" VENT AND 3/4"CW WITH ANGLE STOPS. PROVIDE EXTRUDED PLUG BELOW SINK. CHLORINATION PER HEALTH CODE AND SPECIFICATIONS.
7. PROVIDE FULL HEIGHT PARTITION WITH DRYWALL ON BOTH SIDES AND R-11 BATT INSULATION FOR ACOUSTIC SEPARATION.
8. PROVIDE FIRE SPRINKLER RISER, PER PC APPROVED FIRE SPRINKLER DRAWINGS BY MODULAR MANUFACTURER.
9. PROVIDE IN-WALL BLOCKING FOR DISTRICT PROVIDED IDF CABINET, SEE ATTACHED IDF CUT SHEET FOR COMPLETE SPECIFICATIONS. IDF SHALL BE INSTALLED BY SITE CONTRACTOR.
10. PROVIDE WALL HUNG HVAC UNIT BY MODULAR BUILDING MANUFACTURER.
11. PROVIDE FLUSH MOUNTED ELECTRICAL PANEL.
12. PROVIDE 1" CONDUIT FOR FLUSH MOUNTED FIRE ALARM TERMINAL CABINET (BY OTHERS).
13. PROVIDE 1" CONDUIT FLUSH MOUNTED FIRE ALARM CABINET (BY OTHERS).
14. PROVIDE FULL HEIGHT CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE WI DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOCKS FOR ALL CABINET DOORS.
15. PROVIDE F.R. HOSE BIBB (HB-1) RECESSED IN WALL & CONNECT 3/4" C.W.
16. FURNISH AND INSTALL FLOOR MOUNT WATER CLOSET WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
17. FURNISH AND INSTALL WALL MOUNT URINAL WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
18. PROVIDE EXHAUST FAN PER MODULAR MANUFACTURER'S SPECIFICATION.
19. PROVIDE 2"x2" SEMI-GLOSS CERAMIC TILES. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. COLOR OF TILE AND GROUT TO BE SELECTED BY ARCHITECT. MANUFACTURER: DAL-TILE OR APPROVED EQUAL.
20. PROVIDE FLOOR DRAIN WITH TRAP PRIMER AND ADA COMPLIANT GRATE. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING.
21. PROVIDE HINY HIDERS TOILET PARTITIONS COMPLETE WITH ALL WALL AND FLOOR MOUNTED BACKING BY SCRANTON PRODUCTS OR EQUAL. COLOR TO BE SELECTED BY ARCHITECT. PROVIDE CONTINUOUS WALL BRACKETS RATED FOR SCHOOL INSTALLATIONS.
22. PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
23. PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2"x4" DCO-S835 120V SCDL.
24. PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND DSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 3/8" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
25. PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANL 2"x4" ALO65W7M4 WITH DCMK224 AND SENSOR SWITCH# CMR9-PDT.
26. PROVIDE 3/8" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
27. PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF. MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
28. PROVIDE FL-SOOP FLOOR BOX WITH 1" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET, COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
29. PROVIDE HEAVY DUTY GALVANIZED IN-WALL MOUNTED STAINLESS STEEL AND ANTI-FREEZE HI-LO DRINKING FOUNTAIN WITH ANTIMICROBIAL COPPER PUSH BUTTON COMPLETE WITH ALL REQUIRED PLUMBING FOR A COMPLETE INSTALLATION. MANUFACTURER: OASIS OR APPROVED EQUAL.
30. FURNISH AND INSTALL LAVATORY COMPLETE WITH FAUCET BACK PLATE, TRAP, VENT AND ALL ACCESSORIES. INSULATE ALL EXPOSED HOT & COLD WATER AND WASTE PIPING BELOW LAVATORY. PROVIDE ALL FINAL WASTE, VENT AND MAKE WATER CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
31. PROVIDE RECESSED CEILING HEATER (CDF SERIES) PER ATTACHED CUTSHEET. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
32. PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.



**RESTROOM BUILDING NO.4 FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
PROJECT NUMBER: A2.06  
DATE: 06/2021



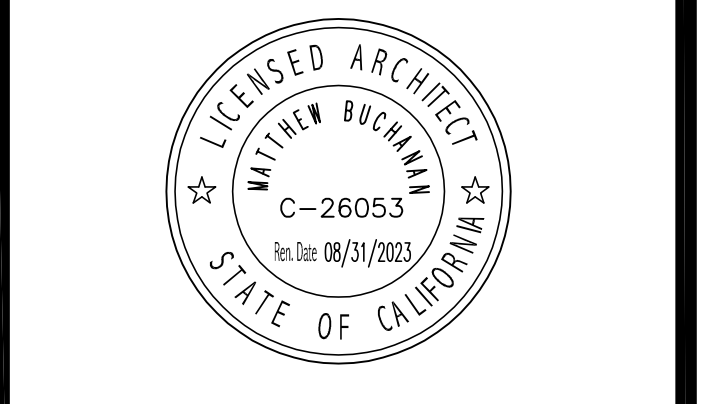
**RESTROOM BUILDING NO.3 FLOOR PLAN**  
SCALE: 1/4" = 1'-0"  
PROJECT NUMBER: A2.06  
DATE: 06/2021

**FLEWELLING & MOODY**  
architecture planning interiors

**HEADQUARTERS OFFICE:**  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fmpasadena@flewelling-moody.com

**ANTELOPE VALLEY OFFICE:**  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 865.946.0771  
E-Mail: fmlancaster@flewelling-moody.com

An Employee Owned Corporation



CONTRACT

No.	Date	Description

All dimensions shall be checked on the job by the contractor who accepts full responsibility for their accuracy under the contract. There shall be no modifications or corrections thereto unless they have been prepared by a specific AIA, and all responsibility for that shall be made in a part of any other work to be verified by drawing & survey.

SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD ROSAMOND, CA 93560

### RESTROOM BLDG. 3 & 4 FLOOR PLAN

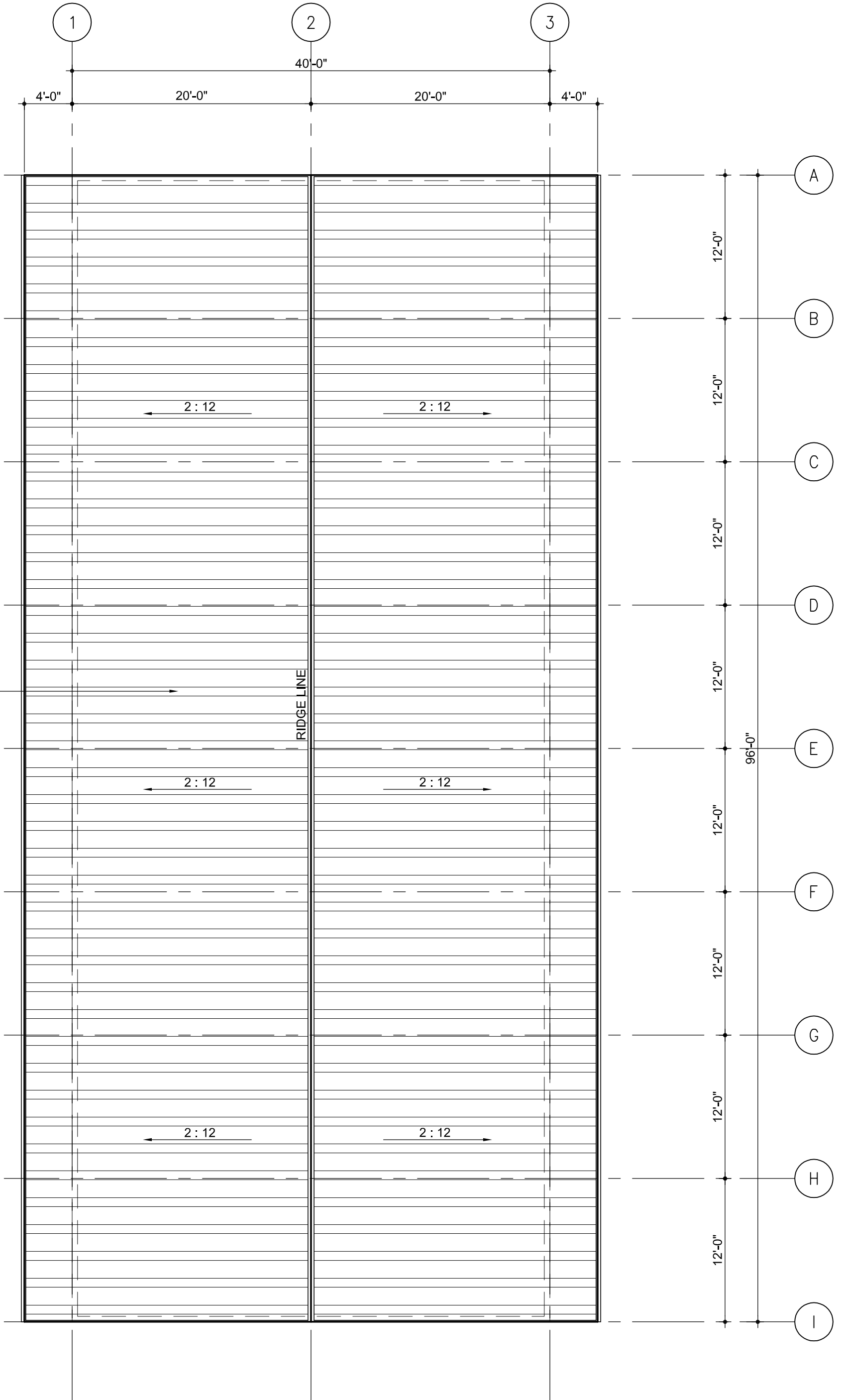
Job No. 2940.000  
Date 09-02-21  
**A2.06**



# SCOPE OF WORK KEYNOTES

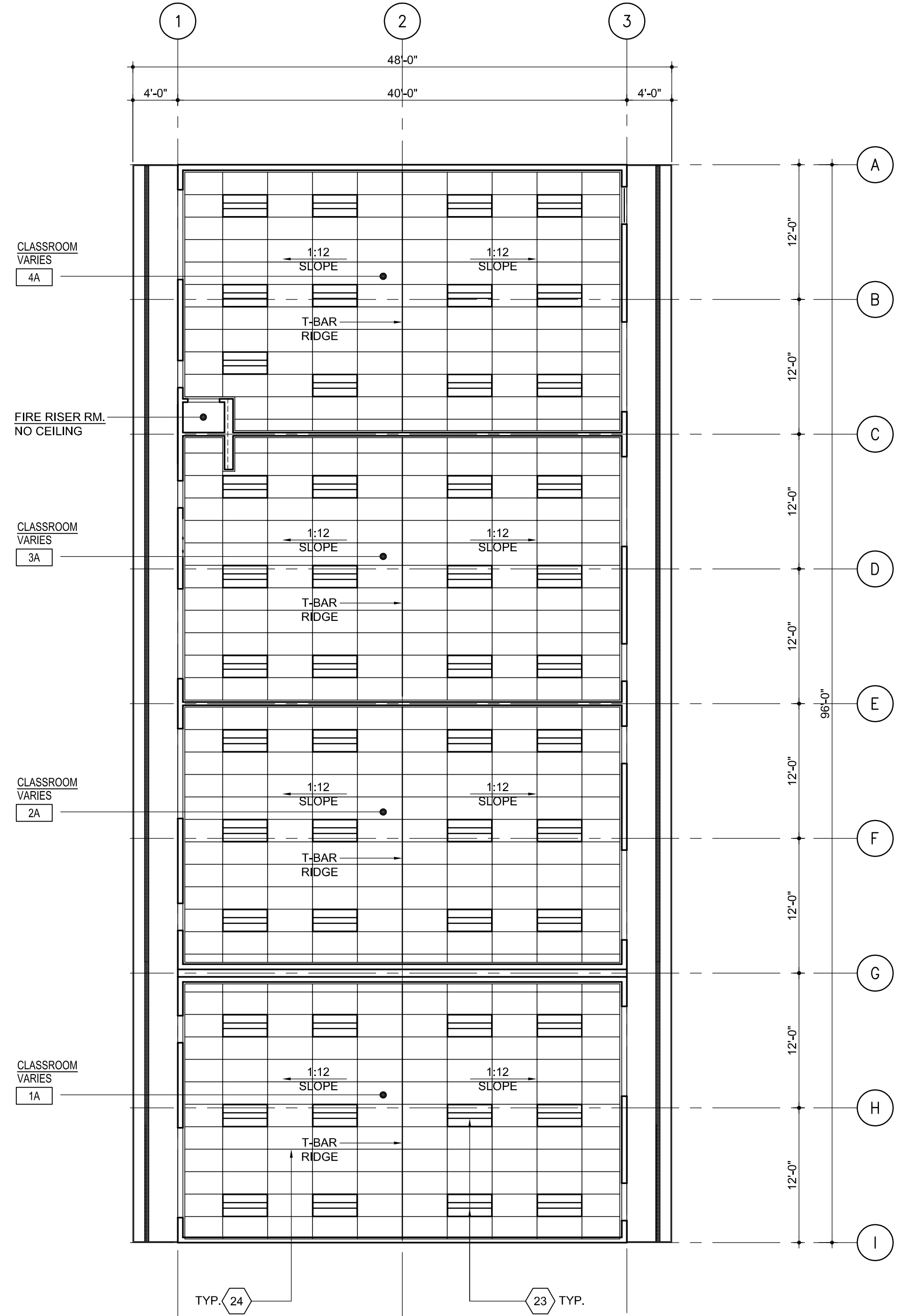
- GENERAL NOTES:**
- A. ALL ITEMS INDICATED SHALL BE SUPPLIED BY MODULAR MANUFACTURER, UNLESS SPECIFICALLY NOTED OTHERWISE.
  - B. PROVIDE BACKING AS REQUIRED FOR ALL ACCESSORIES, EQUIPMENT AND CABINETS.
  - C. ONE STORY MODULAR BUILDINGS TO HAVE CONCRETE FLOOR WITH METAL DECK AND A 5" MIN. LIGHT WEIGHT CONCRETE SUBFLOOR WITH BELOW GRADE CONCRETE FOUNDATION SYSTEM. FOUNDATION SYSTEM SHALL COMPLY WITH DSA IR 16-1.13 REQUIREMENTS. FOUNDATION SYSTEM SHALL BE PER MODULAR MANUFACTURER'S PC DESIGN PACKAGE BUT SHALL BE PROVIDED UNDER THE SITE WORK CONTRACT.
  - D. PROVIDE MIN. 2:12 PITCH ROOF WITH STANDING SEAM METAL ROOF AND 20 PSF SNOW LOAD CAPACITY PER MODULAR MANUFACTURER STANDARD. COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF KYNAR COLORS.
  - E. AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED, SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURERS FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE WAINSCOT FINISHES PER INTERIOR ELEVATIONS, SEE SHT. A4.02.
  - F. STUB-OUT AND PLUG C.I. WASTE BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR, COORDINATE P.O.C. WITH SITE CONTRACTOR.
  - G. STUB-OUT AND CAP C.W. (TYPE "K" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR, COORDINATE P.O.C. WITH SITE CONTRACTOR.
  - H. SEE ALL ADA SIGNAGE AND BRAILLE COMPLIANT SIGNAGE AT ALL DOOR AND ROOMS (ROOM NAMES AND NUMBERS), SEE SHT. A2.09 & A2.10 FOR REFERENCE ONLY. SITE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED SIGNAGE.
  - I. PROVIDE COMMERCIAL GRADE ECOBEE THERMOSTATS.
  - J. PROVIDE ALL CONDUIT AND J-BOX FOR ALL DATA DROPS AND POINTS OF CONNECTION. CONDUIT SHALL STUB UP IN WALL TO ABOVE CEILING INTO ACCESSIBLE ATTIC SPACE FOR PLENUM RATED CABLE TO BE INSTALLED BY OTHERS. MIN. CONDUIT SIZE IN WALL SHALL BE 1/2" DIAMETER, UNLESS NOTED OTHERWISE.
  - K. PROVIDE 1" WINDOW BLINDS FOR ALL WINDOWS, COLOR TO BE SELECTED BY ARCHITECT.
  - L. ALL HARDWARE SCHEDULE AND SPECIFICATIONS SHALL BE PER DISTRICT STANDARDS. REFER TO THE ATTACHED HARDWARE CUT SHEETS, HARDWARE SCHEDULE AND SPECIFICATIONS TO BE USED FOR REFERENCE.
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2. PROVIDE VCT TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: ARMSTRONG. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
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5. PROVIDE TYP. BASE AND UPPER CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE W DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOOKS FOR ALL CABINET DOORS AND DRAWERS. ALL FILE DRAWERS MUST ACCOMMODATE A STANDARD PENDAFLEX HANGING FILE SYSTEM. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
6. PROVIDE CLASSROOM SINK w/ DRINKING FOUNTAIN BUBBLER COMPLETE WITH TRIM AND MAKE ALL FINAL CONNECTIONS WITH 2"WASTE, 1 1/2" VENT AND 3/4"CW WITH ANGLE STOPS. PROVIDE CLEANOUT PLUG BELOW SINK. CHLORINATION PER HEALTH CODE AND SPECIFICATIONS.
7. PROVIDE FULL HEIGHT PARTITION WITH DRYWALL ON BOTH SIDES AND R-11 BATT INSULATION FOR ACOUSTIC SEPARATION.
8. PROVIDE FIRE SPRINKLER RISER, PER PC APPROVED FIRE SPRINKLER DRAWINGS BY MODULAR MANUFACTURER.
9. PROVIDE 1" WALL BLOCKING FOR DISTRICT PROVIDED IDF CABINET, SEE ATTACHED IDF CUT SHEET FOR COMPLETE SPECIFICATIONS. IDF SHALL BE INSTALLED BY SITE CONTRACTOR.
10. PROVIDE WALL HUNG HVAC UNIT BY MODULAR BUILDING MANUFACTURER.
11. PROVIDE FLUSH MOUNTED ELECTRICAL PANEL.
12. PROVIDE 1 1/2" CONDUIT FOR FLUSH MOUNTED FIRE ALARM TERMINAL CABINET (BY OTHERS).
13. PROVIDE 1 1/2" CONDUIT FLUSH MOUNTED FIRE ALARM CABINET (BY OTHERS).
14. PROVIDE FULL HEIGHT CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE W DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOOKS FOR ALL CABINET DOORS.
15. PROVIDE F.R. HOSE BIBB (HB-1) RECESSED IN WALL & CONNECT 3/4" C.W.
16. FURNISH AND INSTALL FLOOR MOUNT WATER CLOSET WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
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18. PROVIDE EXHAUST FAN PER MODULAR MANUFACTURER'S SPECIFICATION.
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20. PROVIDE FLOOR DRAIN WITH TRAP PRIMER AND ADA COMPLIANT GRATE. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING.
21. PROVIDE HINY HIDERS TOILET PARTITIONS COMPLETE WITH ALL WALL AND FLOOR MOUNTED BACKING BY SCRANTON PRODUCTS OR EQUAL. COLOR TO BE SELECTED BY ARCHITECT. PROVIDE CONTINUOUS WALL BRACKETS RATED FOR SCHOOL INSTALLATIONS.
22. PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
23. PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2'x4' DCC-5835 120V SCC.
24. PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND DSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 3/8" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
25. PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANL 2'x4' AL05W7M4 WITH DCMK224 AND SENSOR SWITCH# CM99-PDT.
26. PROVIDE 3/8" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
27. PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF, MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
28. PROVIDE FL-500P FLOOR BOX WITH 1" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET, COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
29. PROVIDE HEAVY DUTY GALVANIZED IN-WALL MOUNTED STAINLESS STEEL AND ANTI-FREEZE HI-LO DRINKING FOUNTAIN WITH ANTIMICROBIAL COPPER PUSH BUTTON COMPLETE WITH ALL REQUIRED PLUMBING FOR A COMPLETE INSTALLATION. MANUFACTURER: OASIS OR APPROVED EQUAL.
30. FURNISH AND INSTALL LAVATORY COMPLETE WITH FAUCET BACK PLATE, TRAP, VENT AND ALL ACCESSORIES. INSULATE ALL EXPOSED HOT & COLD WATER AND WASTE PIPING BELOW LAVATORY. PROVIDE ALL FINAL WASTE, VENT AND MAKE WATER CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
31. PROVIDE RECESSED CEILING HEATER (CDF SERIES) PER ATTACHED CUTSHEET. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
32. PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.



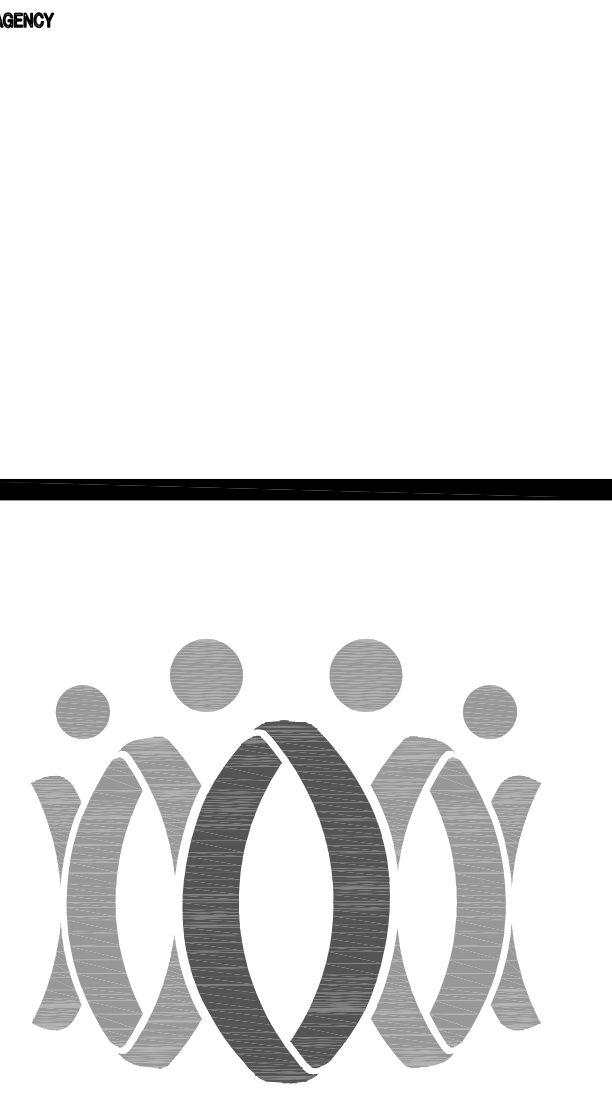
TYP. ROOF PLAN FOR CLASSROOM BLDG. A, B, C, D, E, F, & G  
SCALE: 1/8" = 1'-0"

2  
A2.07



TYP. REFLECTED CEILING PLAN FOR CLASSROOM BLDG. A, B, C, D, E, F & G  
SCALE: 1/8" = 1'-0"

1  
A2.07

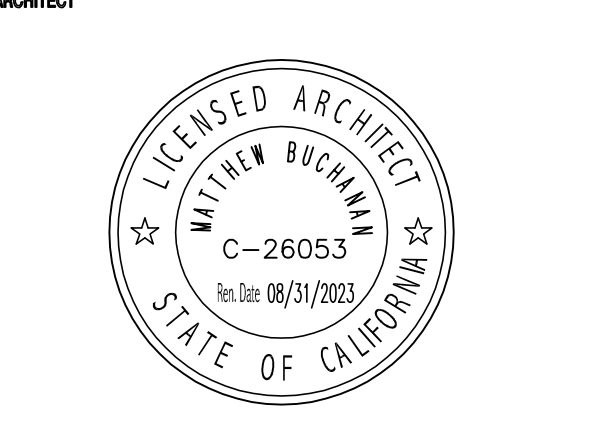


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architecture planning interiors

HEADQUARTERS OFFICE:  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 865.946.0771  
E-Mail: fm-lancaster@flewelling-moody.com

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CONTRACT

Revision		
No.	Date	Description

All dimensions shall be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. There shall be no modifications or corrections thereto unless they have been prepared by a written order and approved by the architect.

SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD ROSAMOND, CA 93560

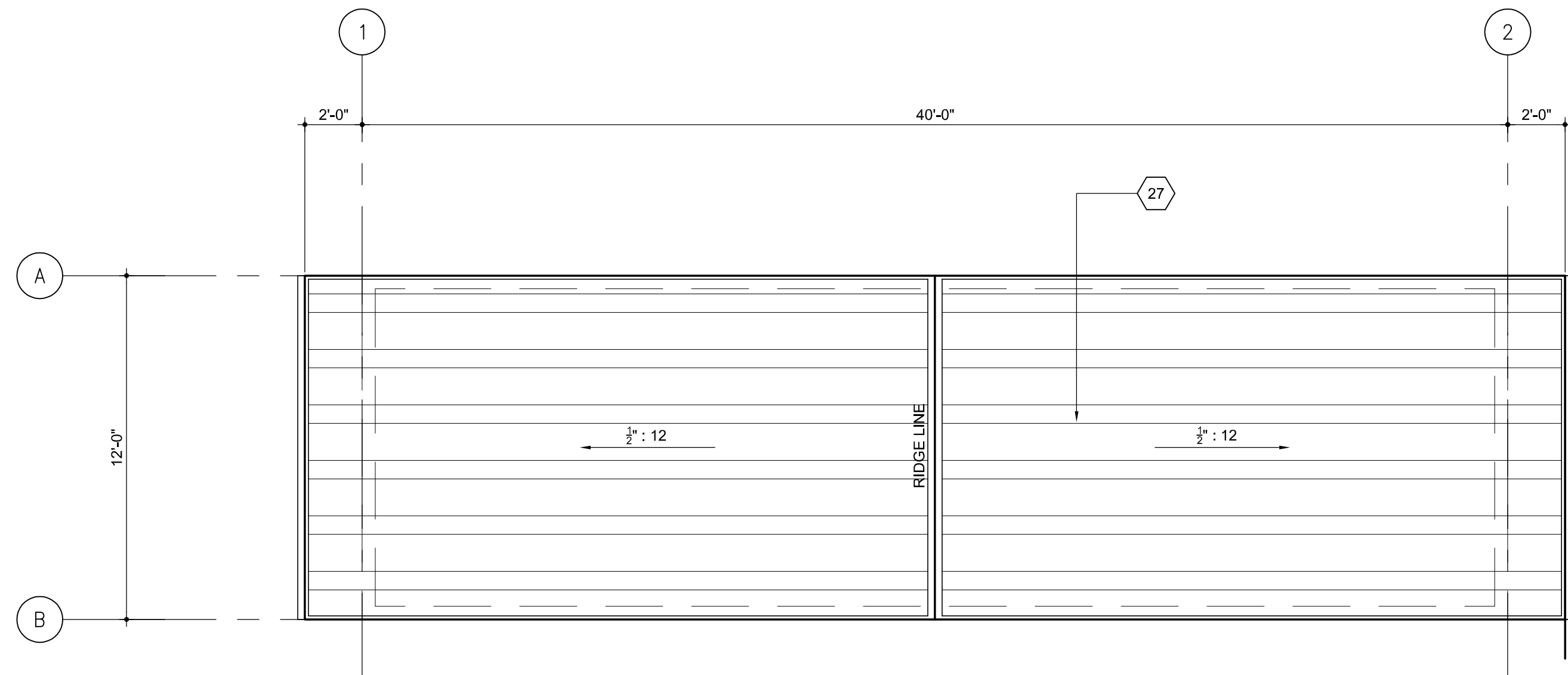
TYP. CLASSROOM BLDG. REFLECTED CEILING PLAN & ROOF PLAN

Job No. 2940.000  
Date 09-02-21  
A2.07

# SCOPE OF WORK KEYNOTES

## GENERAL NOTES:

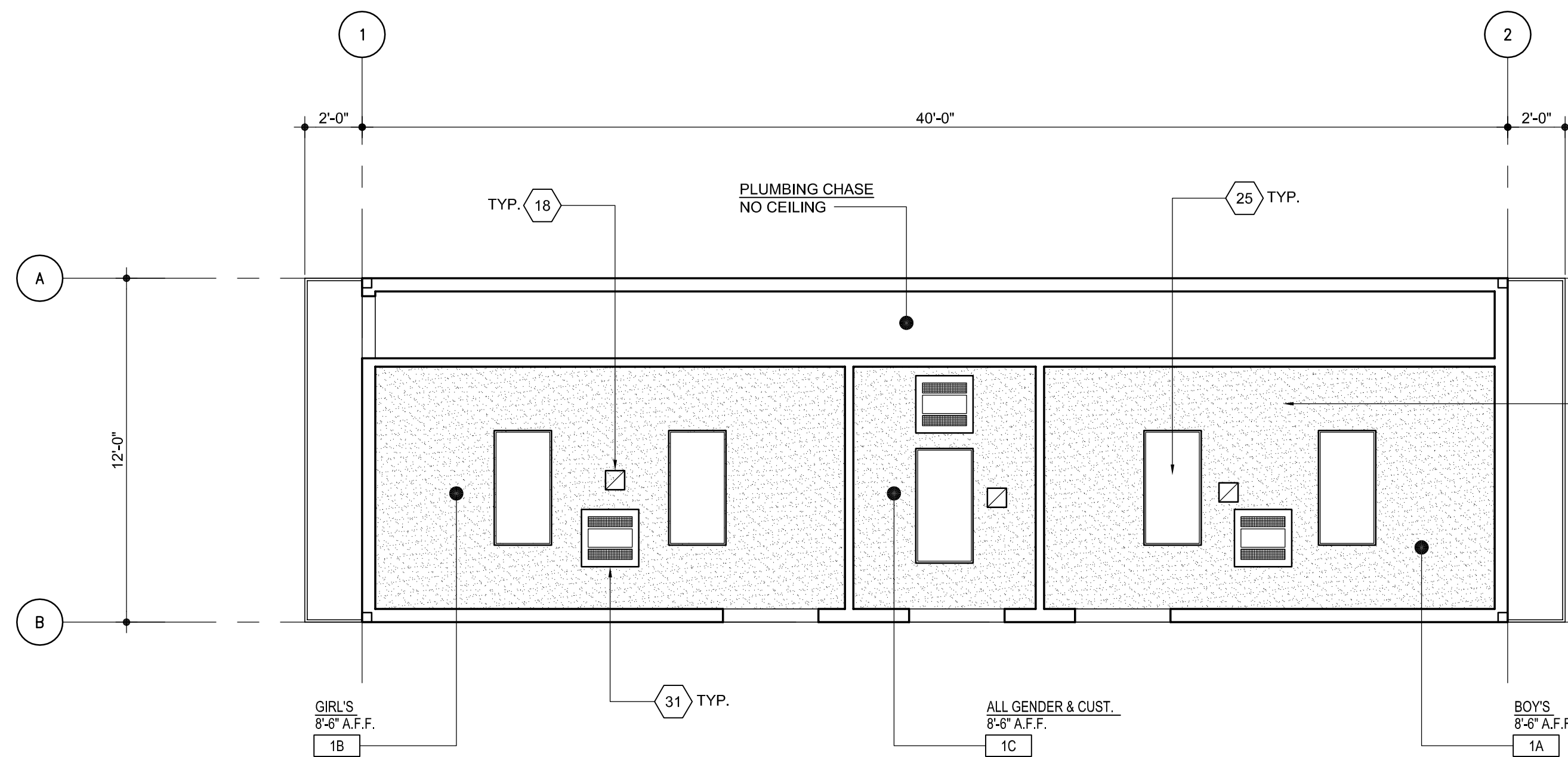
- A. ALL ITEMS INDICATED SHALL BE SUPPLIED BY MODULAR MANUFACTURER, UNLESS SPECIFICALLY NOTED OTHERWISE.
- B. PROVIDE BACKING AS REQUIRED FOR ALL ACCESSORIES, EQUIPMENT AND CABINETS.
- C. ONE STORY MODULAR BUILDINGS TO HAVE CONCRETE FLOOR WITH METAL DECK AND A 5" MIN. LIGHT WEIGHT CONCRETE SUBFLOOR WITH BELOW GRADE CONCRETE FOUNDATION SYSTEM. FOUNDATION SYSTEM SHALL COMPLY WITH DSA IR 16-1.13 REQUIREMENTS. FOUNDATION SYSTEM SHALL BE PER MODULAR MANUFACTURER'S PC DESIGN PACKAGE BUT SHALL BE PROVIDED UNDER THE SITE WORK CONTRACT.
- D. PROVIDE MIN. 2:12 PITCH ROOF WITH STANDING SEAM METAL ROOF AND 20 PSF SNOW LOAD CAPACITY PER MODULAR MANUFACTURER STANDARD. COLORS TO BE SELECTED BY ARCHITECT FROM FULL RANGE OF KYNAR COLORS.
- E. AT RESTROOM FLOORS PROVIDE CERAMIC TILES OVER SETTING BED, SIZE, COLOR AND STYLE TO BE SELECTED BY ARCHITECT FROM TILE MANUFACTURERS FULL RANGE OF COLORS. SLOPE FLOORS TO DRAIN. PROVIDE CERAMIC TILE WAINSCOT FINISHES PER INTERIOR ELEVATIONS, SEE SHT. A4.02.
- F. STUB-OUT AND PLUG C.I. WASTE BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- G. STUB-OUT AND CAP C.W. (TYPE "C" COPPER) BELOW FLOOR WITH ALL UNDER FLOOR CONNECTIONS TO BE DONE BY SITE CONTRACTOR. COORDINATE P.O.C. WITH SITE CONTRACTOR.
- H. SEE ALL ADA SIGNAGE AND BRAILLE COMPLIANT SIGNAGE AT ALL DOOR AND ROOMS (ROOM NAMES AND NUMBERS). SEE SHT. A2.09 & A2.10 FOR REFERENCE ONLY. SITE CONTRACTOR SHALL PROVIDE AND INSTALL ALL REQUIRED SIGNAGE.
- I. PROVIDE COMMERCIAL GRADE ECOBEE THERMOSTATS.
- J. PROVIDE ALL CONDUIT AND J-BOX FOR ALL DATA DROPS AND POINTS OF CONNECTION. CONDUIT SHALL STUB UP IN WALL TO ABOVE CEILING INTO ACCESSIBLE ATTIC SPACE FOR PLENUM RATED CABLE TO BE INSTALLED BY OTHERS. MIN. CONDUIT SIZE IN WALL SHALL BE 1/2" DIAMETER, UNLESS NOTED OTHERWISE.
- K. PROVIDE 1" WINDOW BLINDS FOR ALL WINDOWS, COLOR TO BE SELECTED BY ARCHITECT.
- L. ALL HARDWARE SCHEDULE AND SPECIFICATIONS SHALL BE PER DISTRICT STANDARDS. REFER TO THE ATTACHED HARDWARE CUT SHEETS, HARDWARE SCHEDULE AND SPECIFICATIONS TO BE USED FOR REFERENCE.
- M. MODULAR MANUFACTURER SHALL APPLY FACTORY STUCCO FINISH FOR ALL BUILDINGS AND SHALL COMPLY WITH ALL REQUIREMENTS UNDER C.B.C. CHAPTER 25.



TYP. ROOF PLAN FOR CLASSROOM BLDG. A, B, C, D, E, F, & G

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

2  
A2.08



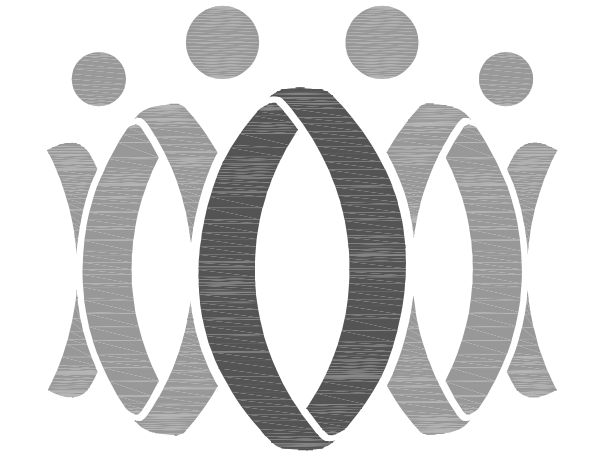
TYP. REFLECTED CEILING PLAN FOR RESTROOM BLDG. 1, 2, 3 & 4

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

1  
A2.08

- 1. PROVIDE CARPET TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: INTERFACE CARPET. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 2. PROVIDE VCT TILES PER DISTRICT STANDARD. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. MANUFACTURER: ARMSTRONG. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 3. PROVIDE INSULATION - R-30 AT ROOF AND R-19 (MIN.) AT WALLS. FLAME SPREAD-0-25 SMOKE DEVELOPED, FUEL CONTRIBUTED-0-450. (SEC. 707 1994 CBC)
- 4. PROVIDE DISTRICT STANDARD WALL FINISHES: FRP WAINSCOT OVER 1/2" GYP. BOARD FILLER FROM FLOOR TO 38" ABOVE THEN VINYL COVERED 1/2" TACKABLE SUBSTRATE OVER 3/8" TYPE 'X' GYP. BOARD FULL HEIGHT OF WALL UP TO 6" ABOVE CEILING. PROVIDE EXTRUDED ALUMINUM EDGE MOLDING AT BOTTOM AND AT ALL CUT OR EXPOSED EDGES. REFER TO SHT. A4.01 AND A4.02 FOR INTERIOR ELEVATIONS.
- 5. PROVIDE TYP. BASE AND UPPER CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE WJ DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOOKS FOR ALL CABINET DOORS AND DRAWERS. ALL FILE DRAWERS MUST ACCOMMODATE A STANDARD PENDAFLEX HANGING FILE SYSTEM. REFER TO INTERIOR FINISH MATRIX SCHEDULE.
- 6. PROVIDE CLASSROOM SINK w/ DRINKING FOUNTAIN BUBBLER COMPLETE WITH TRIM AND MAKE ALL FINAL CONNECTIONS WITH 2"WASTE, 1 1/2"V2"V2" AND 3/4"CW WITH ANGLE STOPS. PROVIDE CLEANOUT PLUG BELOW SINK. CHLORINATION PER HEALTH CODE AND SPECIFICATIONS.
- 7. PROVIDE FULL HEIGHT PARTITION WITH DRYWALL ON BOTH SIDES AND R-11 BATT INSULATION FOR ACOUSTIC SEPARATION.
- 8. PROVIDE FIRE SPRINKLER RISER, PER PC APPROVED FIRE SPRINKLER DRAWINGS BY MODULAR MANUFACTURER.
- 9. PROVIDE IN-WALL BLOCKING FOR DISTRICT PROVIDED IDF CABINET, SEE ATTACHED IDF CUT SHEET FOR COMPLETE SPECIFICATIONS. IDF SHALL BE INSTALLED BY SITE CONTRACTOR.
- 10. PROVIDE WALL HUNG HVAC UNIT BY MODULAR BUILDING MANUFACTURER.
- 11. PROVIDE FLUSH MOUNTED ELECTRICAL PANEL.
- 12. PROVIDE 1 1/2" CONDUIT FOR FLUSH MOUNTED FIRE ALARM TERMINAL CABINET (BY OTHERS).
- 13. PROVIDE 1 1/2" CONDUIT FLUSH MOUNTED FIRE ALARM CABINET (BY OTHERS).
- 14. PROVIDE FULL HEIGHT CABINETS - PLASTIC LAMINATE SHALL BE MANUFACTURED BY WILSONART AND CABINETS SHALL BE MANUFACTURED AND INSTALLED IN ACCORDANCE WITH THE ARCHITECTURAL WOODWORK STANDARDS, CUSTOM GRADE, MOST RECENT EDITION. THE NUMBERS SHOWN FOR THE CASEWORK ARE WJ DESIGN STANDARD NUMBERS. HEIGHTS AND DEPTHS ARE AS SHOWN HEREIN OR IDENTIFIED IN THE ABOVE MANUAL. PROVIDE LOOKS FOR ALL CABINET DOORS.
- 15. PROVIDE F.R. HOSE BIBB (HB-1) RECESSED IN WALL & CONNECT 3/4" C.W.
- 16. FURNISH AND INSTALL FLOOR MOUNT WATER CLOSET WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
- 17. FURNISH AND INSTALL WALL MOUNT URINAL WITH FLUSH VALVE AND ACCESSORIES. PROVIDE ALL UTILITY PIPES TO POINT OF CONNECTION OUTSIDE OF MODULAR BUILDING FOOTPRINT AND COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL CONNECTIONS.
- 18. PROVIDE EXHAUST FAN PER MODULAR MANUFACTURER'S SPECIFICATION.
- 19. PROVIDE 2"x2" SEMI-GLOSS CERAMIC TILES. PROVIDE ALL SUITABLE MOLDING STRIPS AT ALL INTERFACES WITH OTHER FLOORING INSTALLED ACCORDING TO THE MANUFACTURER'S INSTRUCTIONS. COLOR OF TILE AND GROUT TO BE SELECTED BY ARCHITECT. MANUFACTURER: DAL-TILE OR APPROVED EQUAL.
- 20. PROVIDE FLOOR DRAIN WITH TRAP PRIMER AND ADA COMPLIANT GRATE. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING.
- 21. PROVIDE HINY HIDERS TOILET PARTITIONS COMPLETE WITH ALL WALL AND FLOOR MOUNTED BACKING BY SCRANTON PRODUCTS OR EQUAL. COLOR TO BE SELECTED BY ARCHITECT. PROVIDE CONTINUOUS WALL BRACKETS RATED FOR SCHOOL INSTALLATIONS.
- 22. PROVIDE 24"x24"x10" TERRAZZO MOP SINK WITH POLISHED CHROME-PLATED UTILITY FAUCET WITH A MIN. OF 2 GPM FOR HOT AND COLD WATER. ALL SUBFLOOR SUPPLY LINES SHALL BE INSULATED TO PROTECT AGAINST FREEZING. COORDINATE WITH SITE CONTRACTOR FOR ALL FINAL UTILITY CONNECTIONS.
- 23. PROVIDE FINELITE RECESSED LIGHT FIXTURE, MODEL# HPR LEDA 2'x4' DCC-5835 120V SCC.
- 24. PROVIDE 24"x48" SUSPENDED SLOPED T-BAR CEILING SYSTEM PER MANUFACTURER'S APPROVED PC SET AND DSA IR 25-2.13. CEILING PANELS SHALL BE A MIN. OF 3/8" THK. MINERAL FIBER OR FIBERGLASS CEILING TILES BY ARMSTRONG OR EQUAL.
- 25. PROVIDE LITHONIA LED LIGHT FIXTURE, MODEL# CPANL 2'x4' ALO65W7M4 WITH DCMK224 AND SENSOR SWITCH# CM99-PDT.
- 26. PROVIDE 3/8" GYP. BOARD CEILING (PAINTED) PER MANUFACTURER'S SPECIFICATION.
- 27. PROVIDE CONTINUOUS STRUCTURAL INTERLOCKING 3" STANDING SEAM METAL ROOF. MIN. 20 GAUGE WITH 0.025 THICKNESS GALV. STEEL. PROVIDE FACTORY FINISH, COLOR TO BE SELECTED BY ARCHITECT.
- 28. PROVIDE FL-500P FLOOR BOX WITH 1" SOLID IN ANODIZED ALUMINUM. INCLUDE A U-ACCESS COVER WITH INDUSTRIAL CARPET, COLOR TO BE SELECTED BY ARCHITECT. REFER TO ATTACHED CUT SHEET FOR COMPLETE SPECIFICATIONS.
- 29. PROVIDE HEAVY DUTY GALVANIZED IN-WALL MOUNTED STAINLESS STEEL AND ANTI-FREEZE HI-LO DRINKING FOUNTAIN WITH ANTIMICROBIAL COPPER PUSH BUTTON COMPLETE WITH ALL REQUIRED PLUMBING FOR A COMPLETE INSTALLATION. MANUFACTURER: OASIS OR APPROVED EQUAL.
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- 31. PROVIDE RECESSED CEILING HEATER (CDF SERIES) PER ATTACHED CUTSHEET. INSTALL PER MANUFACTURER'S SPECIFICATIONS.
- 32. PROVIDE PIPE INSULATION FOR ALL PLUMBING PIPES AND PROVIDE HEAT TAPE AT ALL WATER LINES INSIDE PLUMBING CHASE AREA.

AGENCY



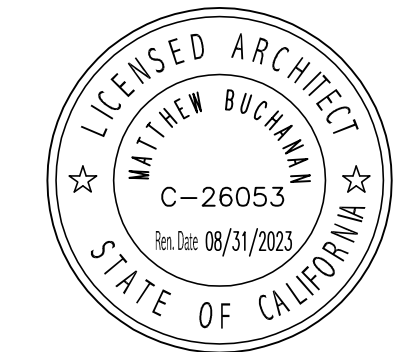
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HEADQUARTERS OFFICE:  
815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
1035 West Lancaster Boulevard  
Lancaster, California 93534  
P 865.946.0771  
E-Mail: fm-lancaster@flewelling-moody.com

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Checked by

Revisions

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All dimensions shall be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans are the qualifications by contract. No other work has been prepared for a specific site. Any use of responsibility for that use is made at a risk to any other work in a nearby building by Flewelling & Moody.

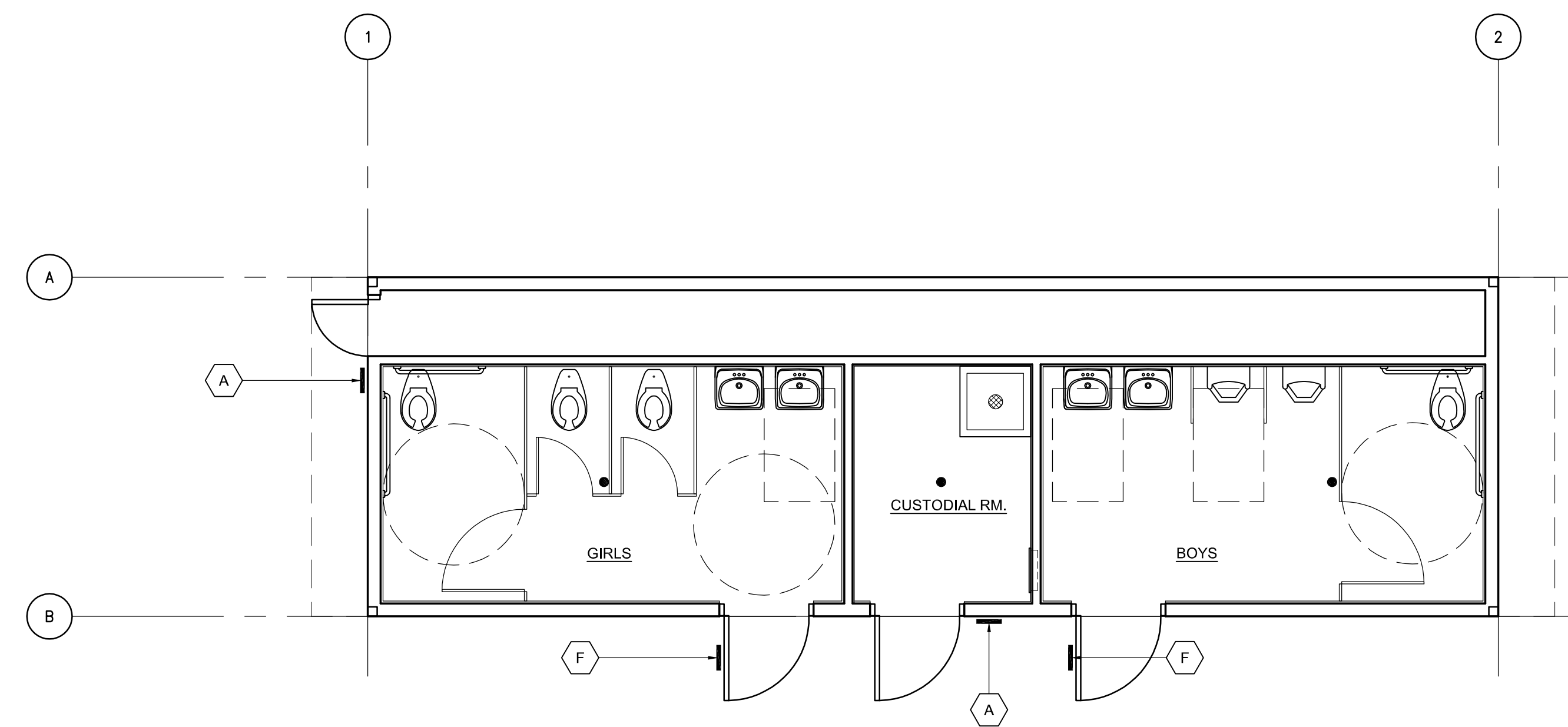
SOUTHERN KERN UNIFIED  
SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL  
EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

TYP. RESTROOM BLDG.  
REFLECTED CEILING PLAN &  
ROOF PLAN

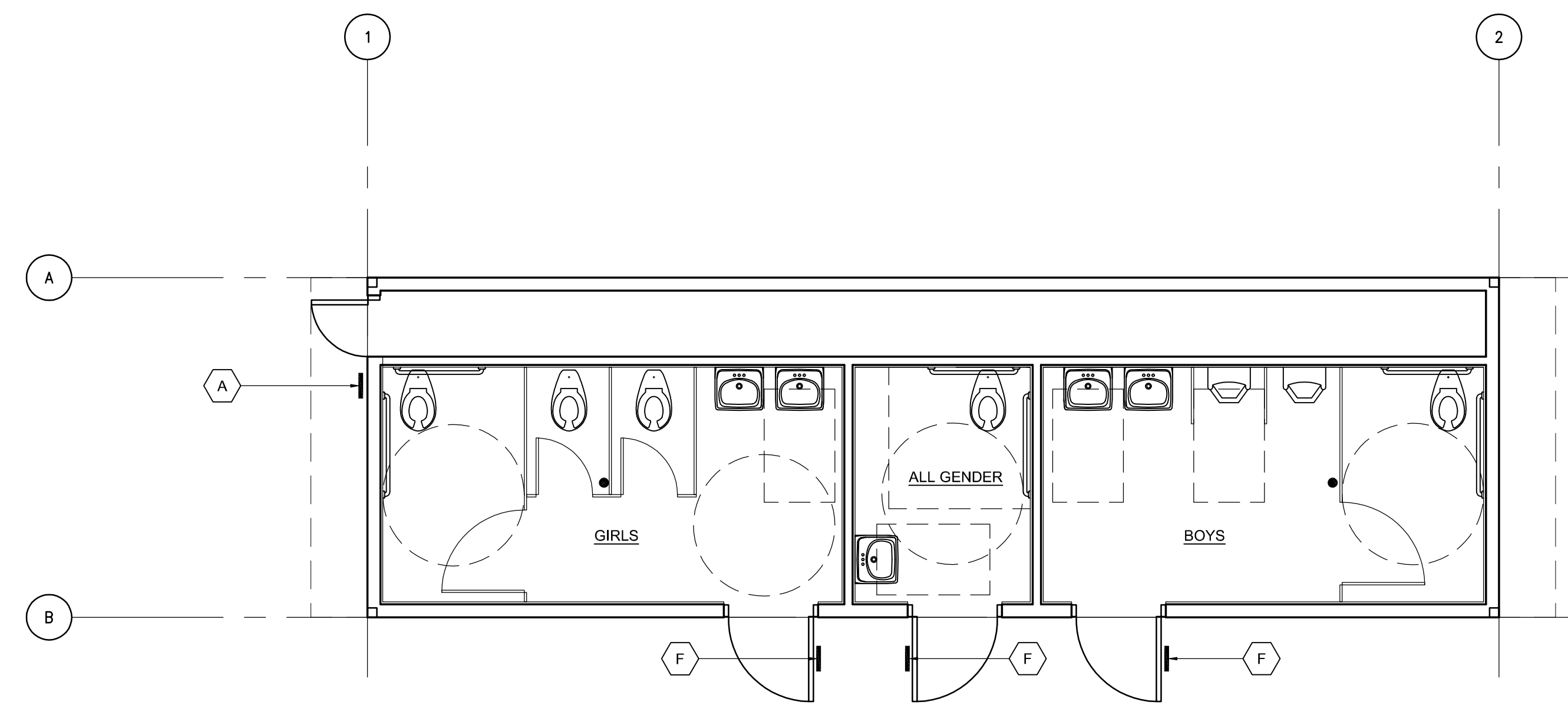
Job No.  
2940.000

A2.08

Date  
09-02-21



RESTROOM BLDG. NO.3 - SIGNAGE PLAN  
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 SHEET REFERENCE :

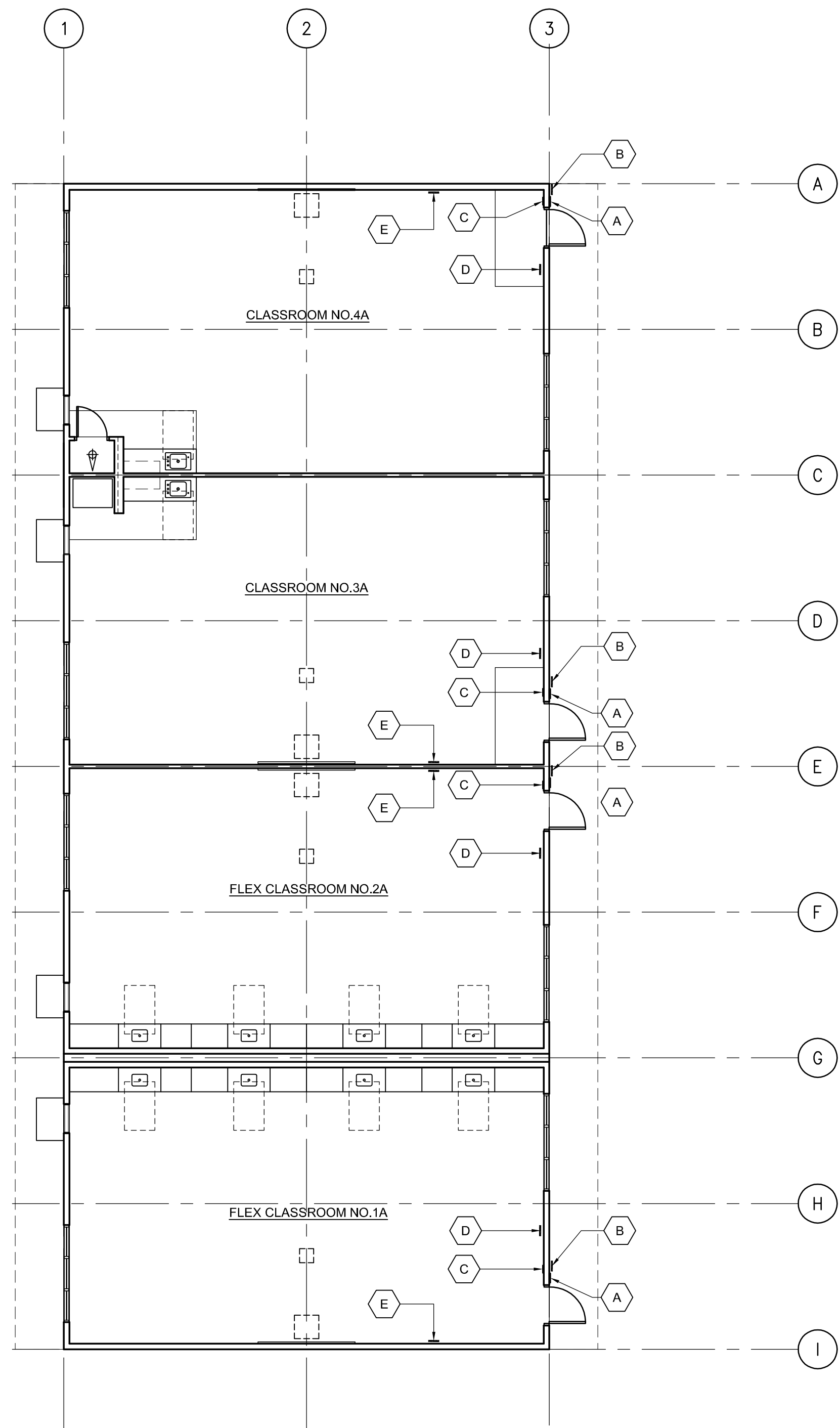


RESTROOM BLDG. NO. 1, 2 & 4 - SIGNAGE PLAN  
 SCALE : 1/4" = 1'-0"  
 PROJECT NUMBER :  
 SHEET REFERENCE :

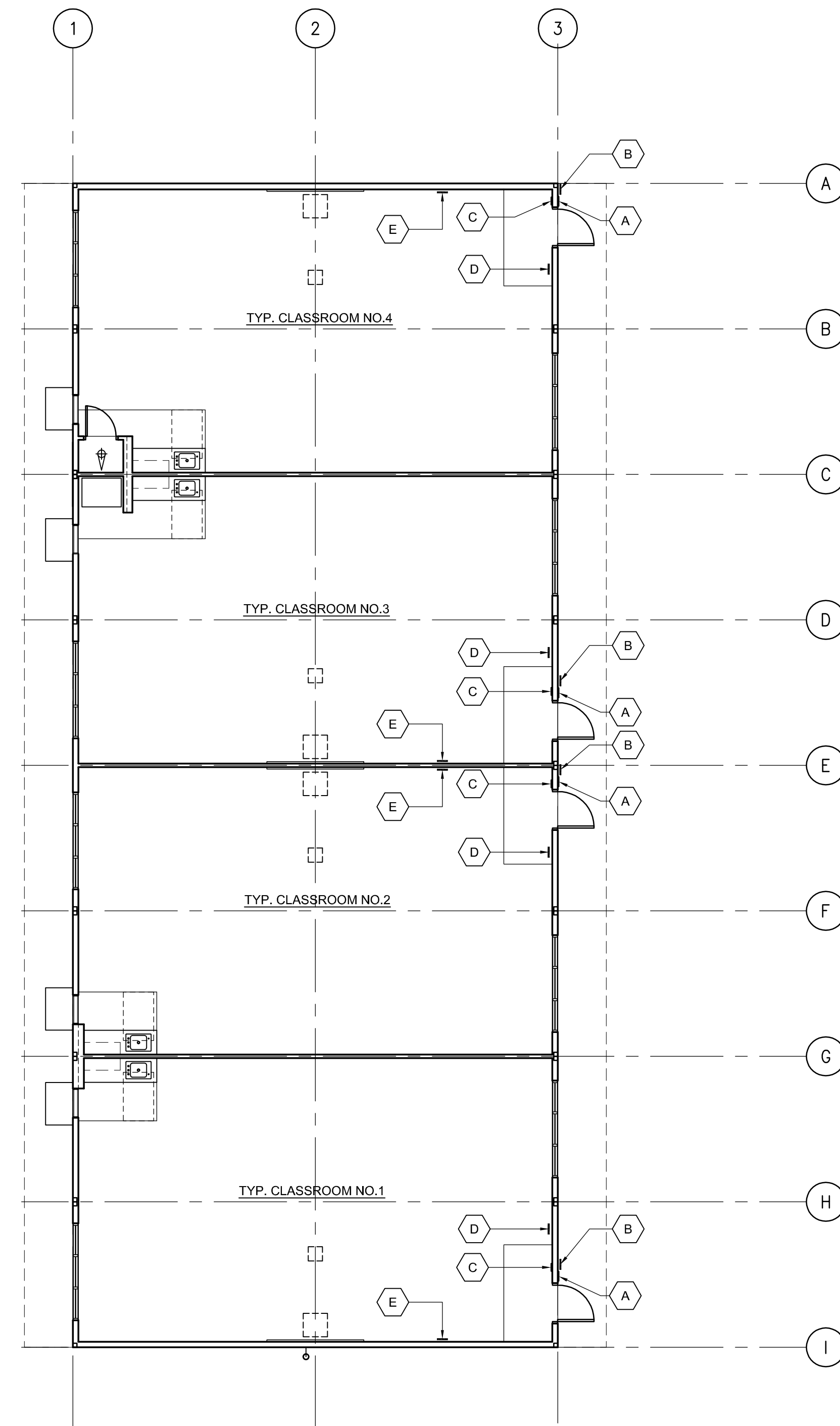
ALL SIGNAGE SHOWN ON THIS SHEET IS FOR REFERENCE ONLY AND SHALL BE PROVIDED BY SITE CONTRACTOR

**TYP. SIGNAGE SCHEDULE FOR CLASSROOM & RESTROOM BLDGS.**

KEYNOTE LETTER	SIGN TYPE	TEXT
A	1/A2.10	T.B.D.
B	2/A2.10	-
C	3/A2.10	EXIT
D	4/A2.10	MAX. OCC. LOAD
E	5/A2.10	(PER DETAIL)
F	6/A2.10	(PER DETAIL)



BLDG. A - CLASSROOM SIGNAGE PLAN  
 SCALE : 1/8" = 1'-0"  
 PROJECT NUMBER :  
 SHEET REFERENCE :



BLDG. B, C, D, E, F & G - CLASSROOM SIGNAGE PLAN  
 SCALE : 1/8" = 1'-0"  
 PROJECT NUMBER :  
 SHEET REFERENCE :

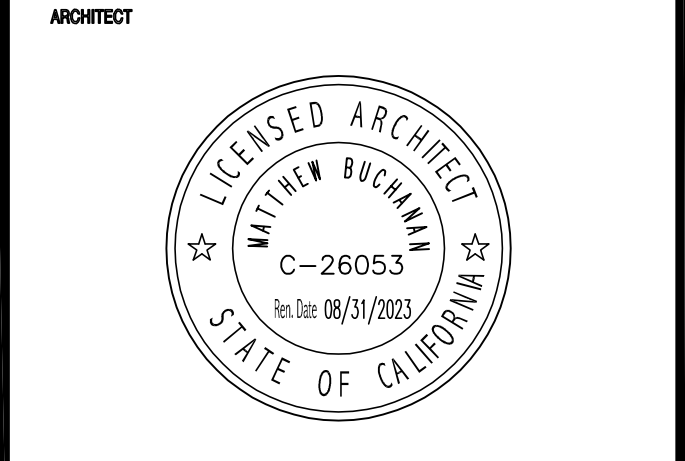
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HEADQUARTERS OFFICE:  
 815 Colorado Blvd, Suite 200  
 Los Angeles, CA 90041  
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 E-Mail: fm-pasadena@flewelling-moody.com

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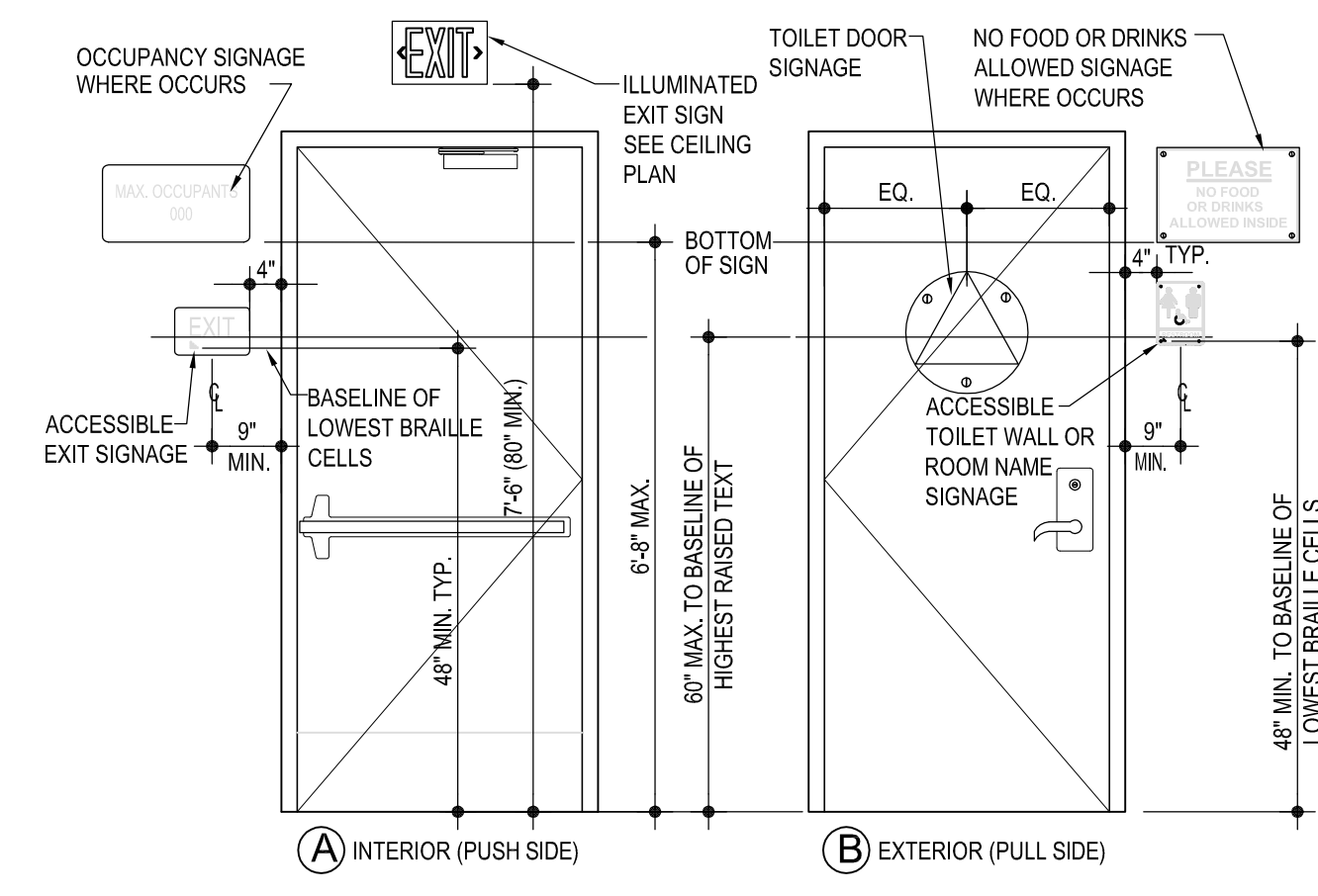
Drawn by \_\_\_\_\_  
 Checked by \_\_\_\_\_  
 Revision

No.	Date	Description

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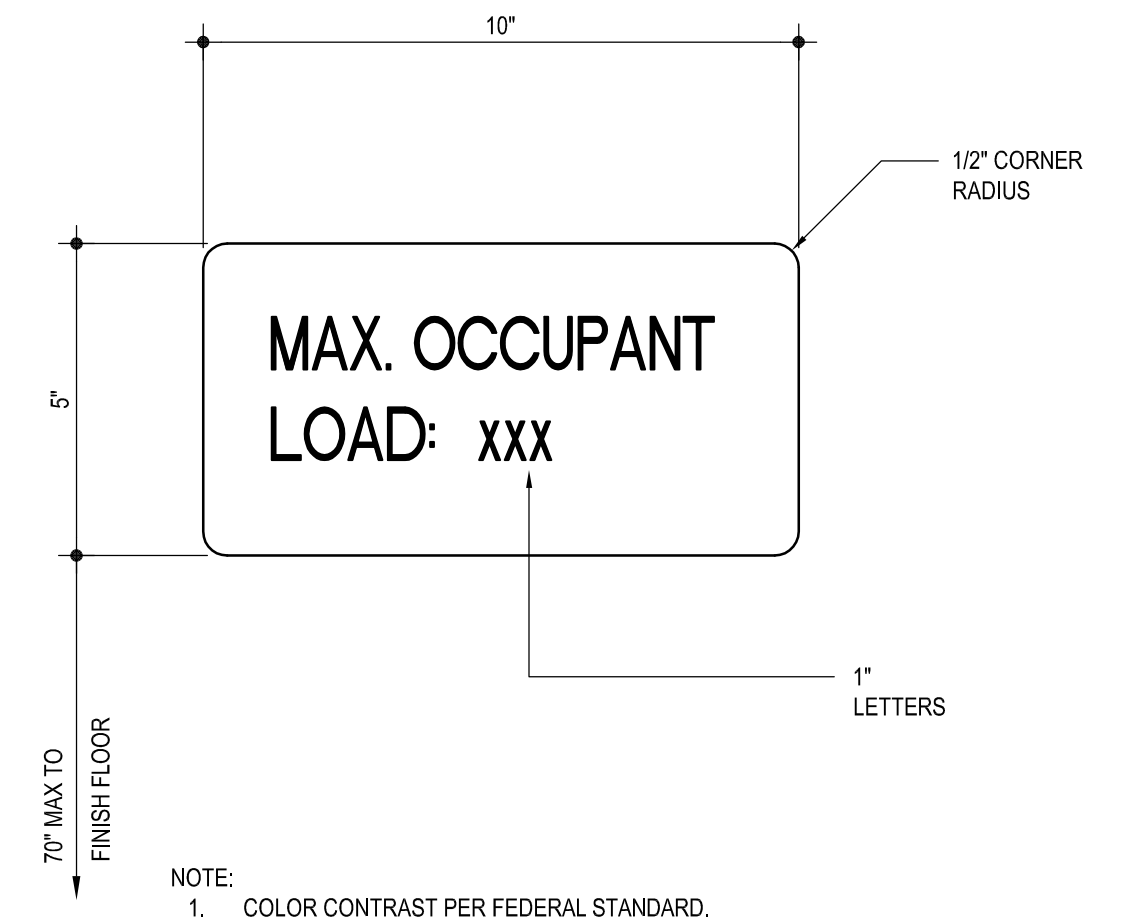
SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
 TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
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**TYP. CLASSROOM & RESTROOM BUILDING SIGNAGE PLAN & SCHEDULE**



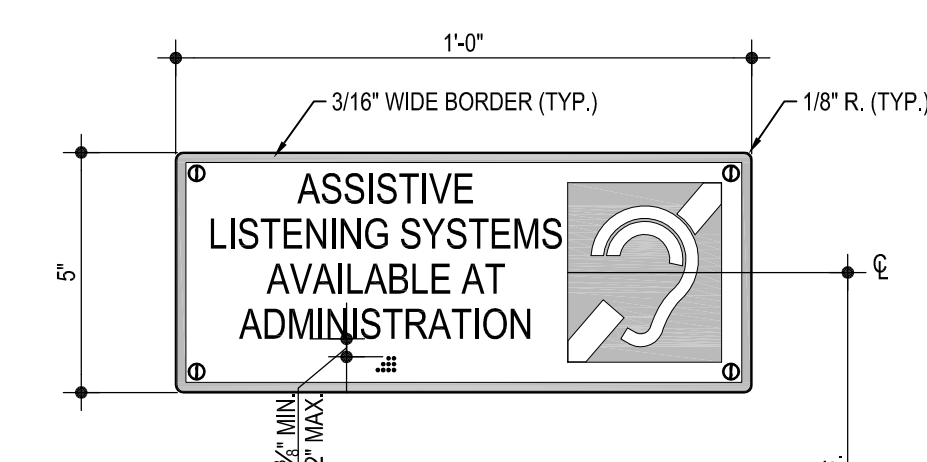
NOTE: 1. V.I.F. FOR (E) DOORS WHICH MAY ALREADY HAVE PARTIAL SIGNAGE, & PROVIDE ADDITIONAL SIGNAGE TO MEET REQUIREMENTS OF THIS DETAIL PERMANENT SIGNAGE TO BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR.  
 2. MOUNTING LOCATION MUST ALLOW A PERSON TO APPROACH WITHIN 3' OF SIGN WITHOUT ENCOUNTERING PROTRUDING OBJECTS OR STANDING WITHIN THE SWING PATH OF ANY DOOR.  
 3. COMPLY WITH 2019 CBC 11B-703.

**TYP. SIGN MOUNTING HEIGHTS**  
 SCALE: 3" = 1'-0"  
 PROJECT NUMBER: 2940.000  
 SHEET REFERENCE: A2.10



NOTE: 1. COLOR CONTRAST PER FEDERAL STANDARD. MAINTAIN CONTRAST BETWEEN THE LETTERS & BACKGROUND.  
 2. SIGN SHALL BE MOUNTED IN A CONSPICUOUS PLACE OR AS DIRECTED BY THE LOCAL FIRE DEPARTMENT.

**OCCUPANCY SIGN**  
 SCALE: 1" = 1'-0"  
 PROJECT NUMBER: 2940.000  
 SHEET REFERENCE: A2.10



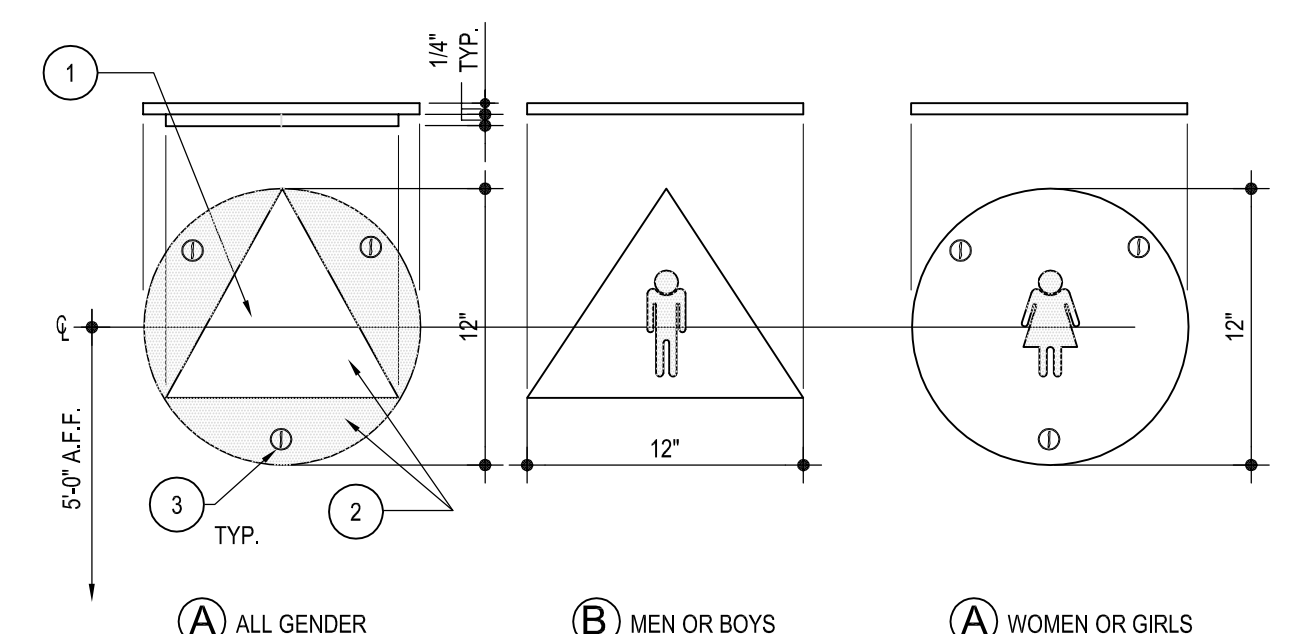
ASSISTIVE LISTENING SYSTEMS SHALL BE PROVIDED FOR PERSONS WITH HEARING IMPAIRMENTS IN ACCORDANCE WITH SECTION 11B-219 AND SHALL COMPLY WITH SECTION 11B-706.

THE MINIMUM NUMBER OF RECEIVERS TO BE PROVIDED SHALL BE EQUAL TO 4% OF THE TOTAL OCCUPANT LOAD IN EACH BUILDING, BUT IN NO CASE LESS THAN TWO (2).

25% MINIMUM OF RECEIVERS PROVIDED, BUT NO FEWER THAN TWO (2) SHALL BE HEARING-AID COMPATIBLE IN ACCORDANCE WITH SECTION 11B-706.3.

- NOTES:
- CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32" (0.764 mm) MINIMUM AND SHALL BE SANS SERIF UPPERCASE CHARACTERS ACCOMPANIED BY GRADE 2 BRAILLE (SEE NOTE 5).
  - CHARACTER SIZE: RAISED CHARACTERS SHALL BE A MINIMUM OF 5/8" (15.8mm) AND MAXIMUM OF 2" (51 mm) HIGH.
  - FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS AND THEIR BACKGROUND MUST BE 70% MIN. AND HAVE A NON-GLARE FINISH. 11B-703.5.1
  - PROPORTIONS: CHARACTERS SHALL BE SELECTED FROM FONTS WHERE THE WIDTH OF THE UPPERCASE LETTER "O" IS 60 PERCENT MINIMUM AND 110 PERCENT MAXIMUM OF THE HEIGHT OF THE UPPERCASE LETTER "I". 11B-703.5.4
  - CHARACTER HEIGHT: MINIMUM CHARACTER HEIGHT SHALL COMPLY WITH TABLE 11B-703.5.5. VIEWING DISTANCE SHALL BE MEASURED AS THE HORIZONTAL DISTANCE BETWEEN THE CHARACTER AND AN OBSTRUCTION PREVENTING FURTHER APPROACH TOWARDS THE SIGN. CHARACTER HEIGHT SHALL BE BASED ON THE UPPERCASE LETTER "I". 11B-703.5.5

**ASSISTIVE LISTENING SIGNAGE**  
 SCALE: 3" = 1'-0"  
 PROJECT NUMBER: 2940.000  
 SHEET REFERENCE: A2.10



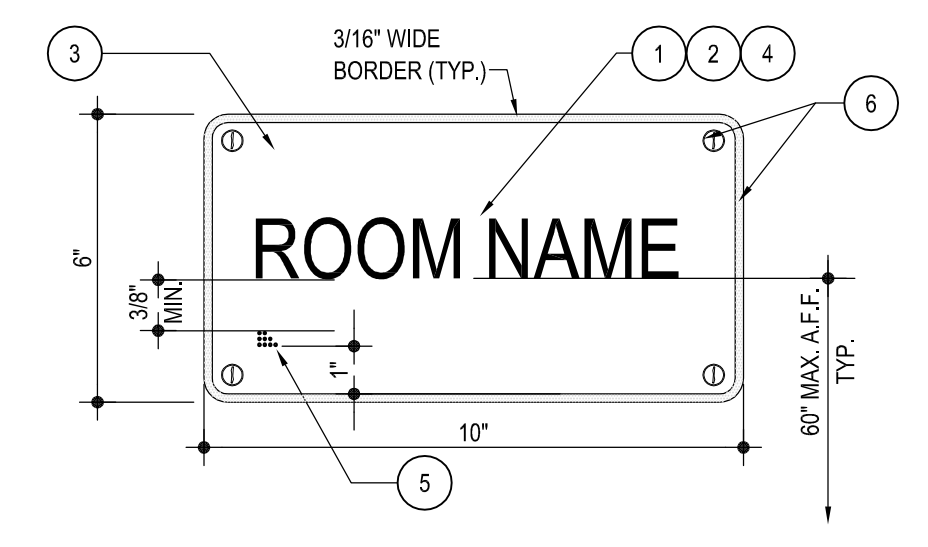
- NOTES:
- TRIANGLE SYMBOL SHALL CONTRAST WITH THE CIRCLE SYMBOL, EITHER LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND.
  - SIGN COLOR & CONTRAST SHALL BE DISTINCTLY DIFFERENT FROM THAT OF DOOR. TRIANGLE SHALL CONTRAST WITH CIRCLE COLOR AND CIRCLE SHALL CONTRAST WITH DOOR COLOR.
  - PROVIDE MECHANICAL MOUNTING WITH VANDAL RESISTANT FASTENERS.
  - EDGES SHALL BE EASED OR ROUNDED AT 1/4" MIN. OR CHAMFERED AT 1/2" MAX. VERTICES SHALL BE RADIUS BETWEEN 1/2" MIN. AND 1" MAX.

**TOILET ROOM DOOR SIGN**  
 SCALE: 3" = 1'-0"  
 PROJECT NUMBER: 2940.000  
 SHEET REFERENCE: A2.10

**ALL SIGNAGE SHOWN ON THIS SHEET IS FOR REFERENCE ONLY AND SHALL BE PROVIDED BY SITE CONTRACTOR**

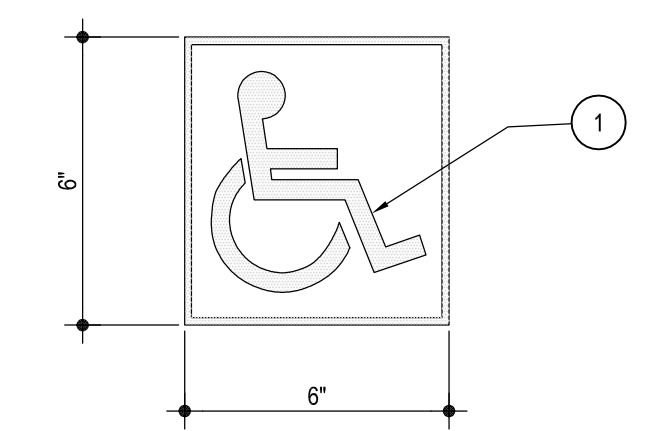
**TYP. SIGNAGE SCHEDULE FOR CLASSROOM & RESTROOM BLDGS.**

KEYNOTE LETTER	SIGN TYPE	TEXT
A	1/A2.10	T.B.D.
B	2/A2.10	-
C	3/A2.10	EXIT
D	4/A2.10	MAX. OCC. LOAD
E	5/A2.10	(PER DETAIL)
F	6/A2.10	(PER DETAIL)



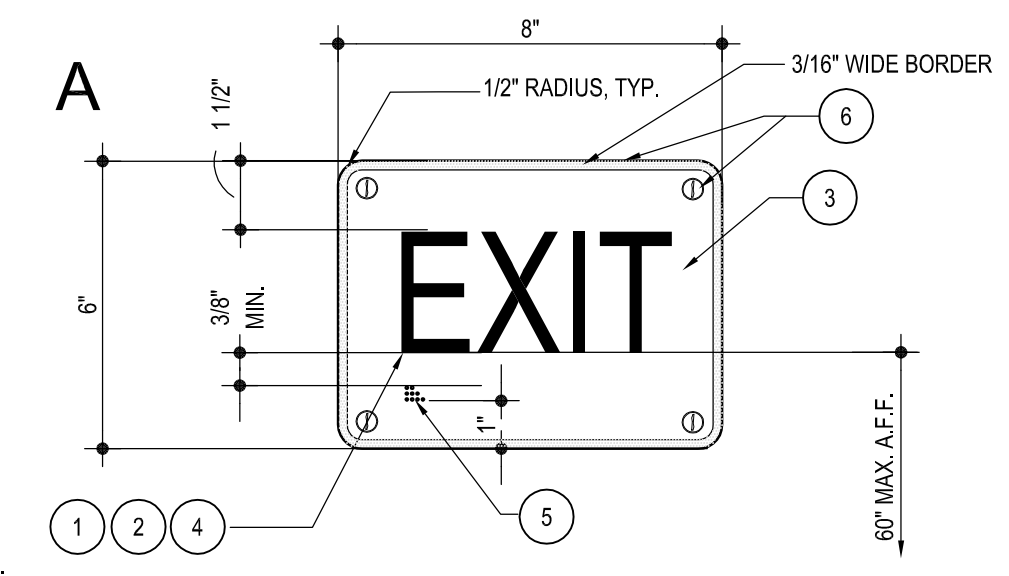
- NOTES:
- CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32"
  - CHARACTER SIZE: 1/2" HIGH
  - FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS, AND THEIR BACKGROUND MUST BE 70% MIN. AND HAVE A NON-GLARE FINISH.
  - PROPORTIONS: CHARACTERS AND SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.
  - BRAILLE: CALIFORNIA GRADE 2 BRAILLE SHALL BE USED.
  - SIGN THICKNESS & MOUNTING: SIGN MATERIAL TO BE 1/2" THICK PLASTIC WITH 1/4" RAISED BORDER. PROVIDE MECHANICAL MOUNTING WITH VANDAL RESISTANT FASTENERS. USE DOUBLE SIDED FOAM TAPE AT GLAZING.
  - SEE 7-FOR TYP. MOUNTING ELEVATION

**ROOM IDENTIFICATION SIGN**  
 SCALE: 3" = 1'-0"  
 PROJECT NUMBER: 2940.000  
 SHEET REFERENCE: A2.10



- NOTES:
- ISA SIGN TO HAVE BLUE FIGURE (FEDERAL STANDARD 596C 15090) AND BORDER WITH WHITE BACKGROUND.
  - LOCATE SIGN MAXIMUM 12" AWAY FROM DOOR STRIKE.
  - PROVIDE WHEREVER A ROOM IDENTIFICATION SIGN PER 1A IS PROVIDED.

**ISA SIGN**  
 SCALE: 3" = 1'-0"  
 PROJECT NUMBER: 2940.000  
 SHEET REFERENCE: A2.10



- NOTES:
- CHARACTER TYPE: CHARACTERS ON SIGNS SHALL BE RAISED 1/32"
  - CHARACTER SIZE: 1/2" HIGH
  - FINISH AND CONTRAST: CONTRAST BETWEEN CHARACTERS, SYMBOLS, AND THEIR BACKGROUND MUST BE 70% MIN. AND HAVE A NON-GLARE FINISH.
  - PROPORTIONS: CHARACTERS AND SIGNS SHALL HAVE A WIDTH-TO-HEIGHT RATIO OF BETWEEN 3:5 AND 1:1 AND A STROKE WIDTH-TO-HEIGHT RATIO OF BETWEEN 1:5 AND 1:10.
  - BRAILLE: CALIFORNIA GRADE 2 BRAILLE SHALL BE USED.
  - SIGN THICKNESS & MOUNTING: SIGN MATERIAL TO BE 1/2" THICK PLASTIC WITH 1/4" RAISED BORDER. PROVIDE MECHANICAL MOUNTING WITH VANDAL RESISTANT FASTENERS. USE DOUBLE SIDED FOAM TAPE AT GLAZING.

**EXIT SIGN**  
 SCALE: 3" = 1'-0"  
 PROJECT NUMBER: 2940.000  
 SHEET REFERENCE: A2.10

**FLEWELLING & MOODY**  
 architecture planning interiors

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 815 Colorado Blvd, Suite 200  
 Los Angeles, CA 90041  
 P 323.543.8300  
 E-Mail: fm-pasadena@flewelling-moody.com

ANTELOPE VALLEY OFFICE:  
 1035 West Lancaster Boulevard  
 Lancaster, California 93534  
 P 951.945.0771  
 E-Mail: fm-lancaster@flewelling-moody.com

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**ARCHITECT**

LICENSED ARCHITECT  
 WITTEN BURMAN  
 C-26053  
 Expires 08/31/2021  
 STATE OF CALIFORNIA

**CONSULTANT**

No.	Date	Description

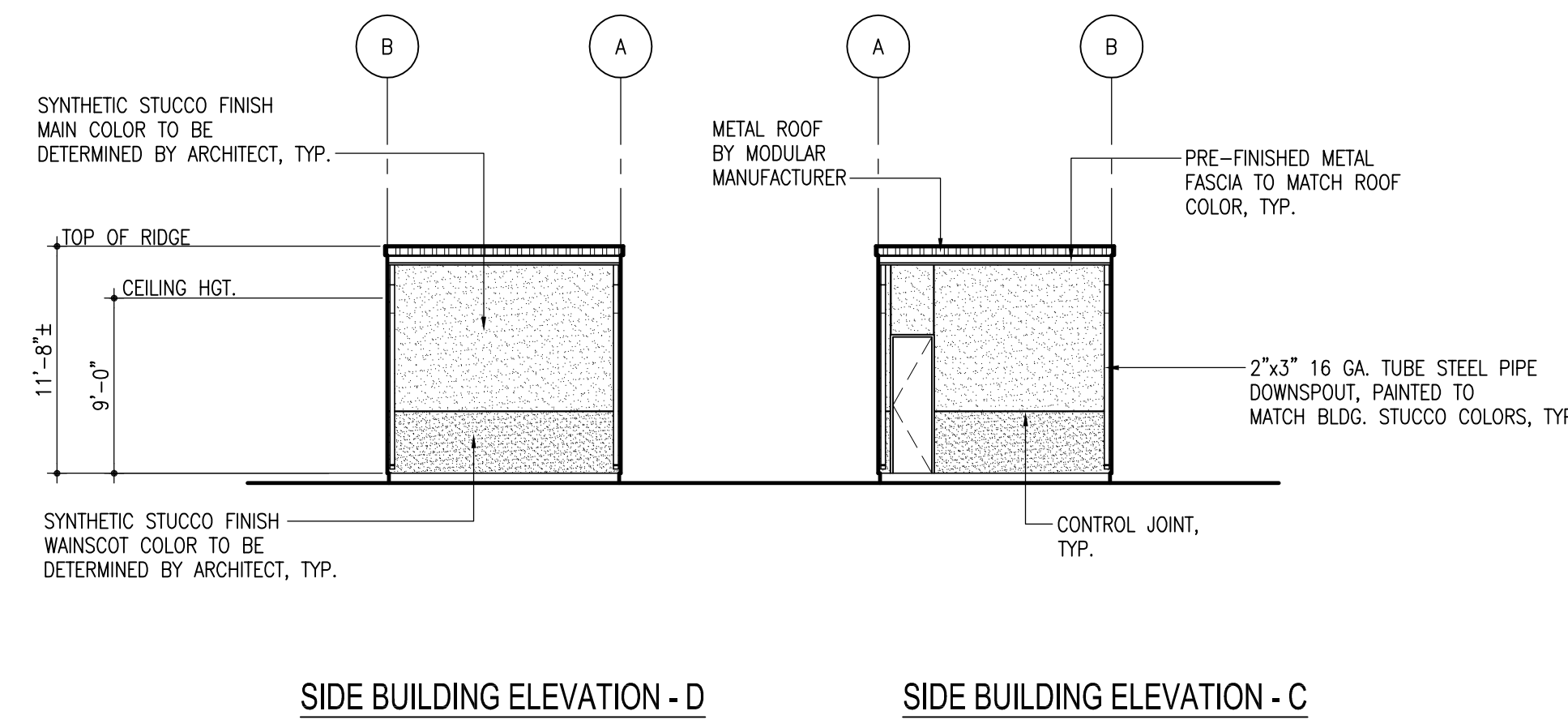
SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
 TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
 3180 MOJAVE TROPICO ROAD  
 ROSAMOND, CA 93560

**TYP. SIGNAGE DETAILS**

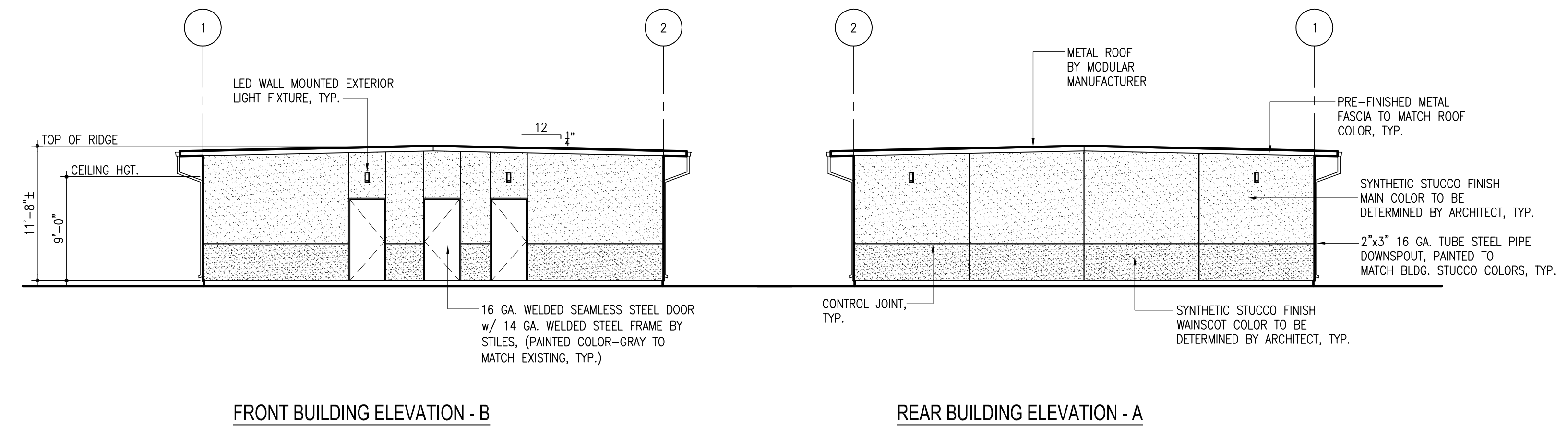
Job No.  
 2940.000

Date  
 09-02-21

**A2.10**



SIDE BUILDING ELEVATION - D      SIDE BUILDING ELEVATION - C

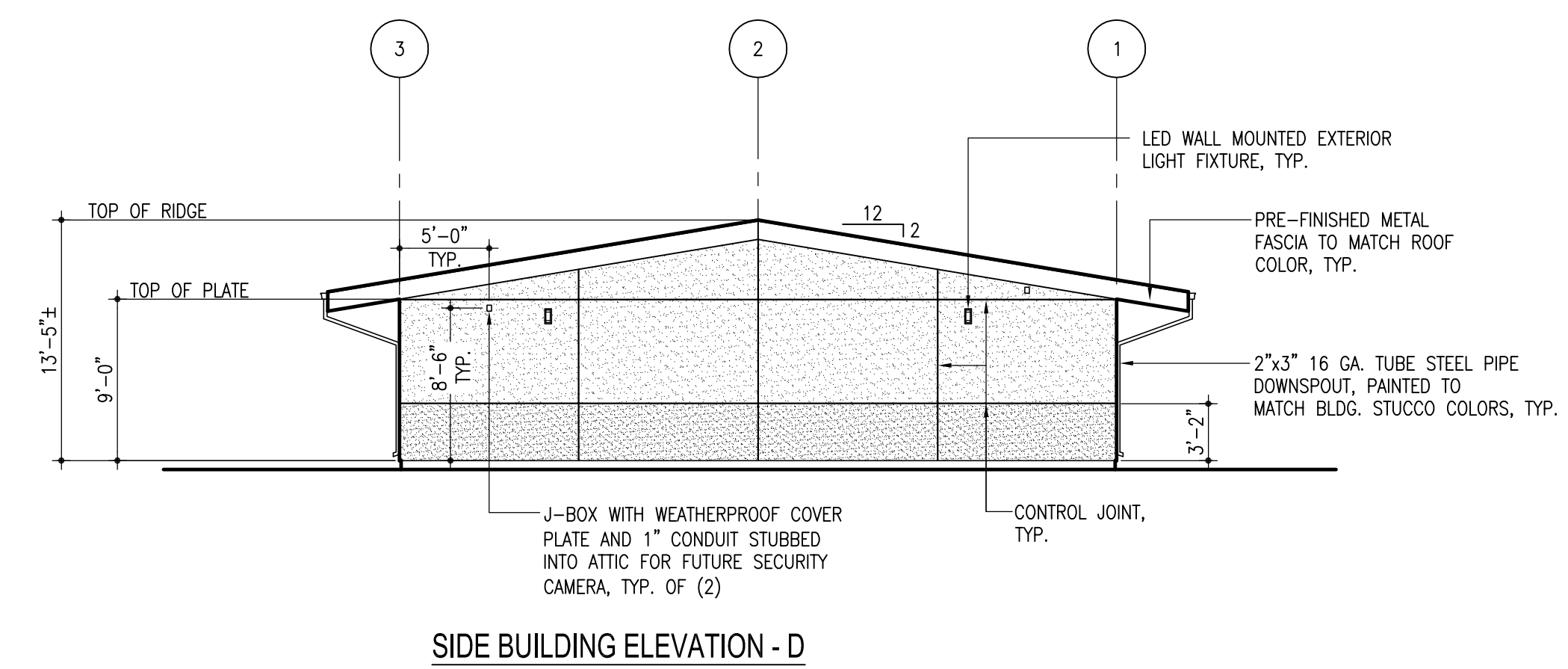


FRONT BUILDING ELEVATION - B      REAR BUILDING ELEVATION - A

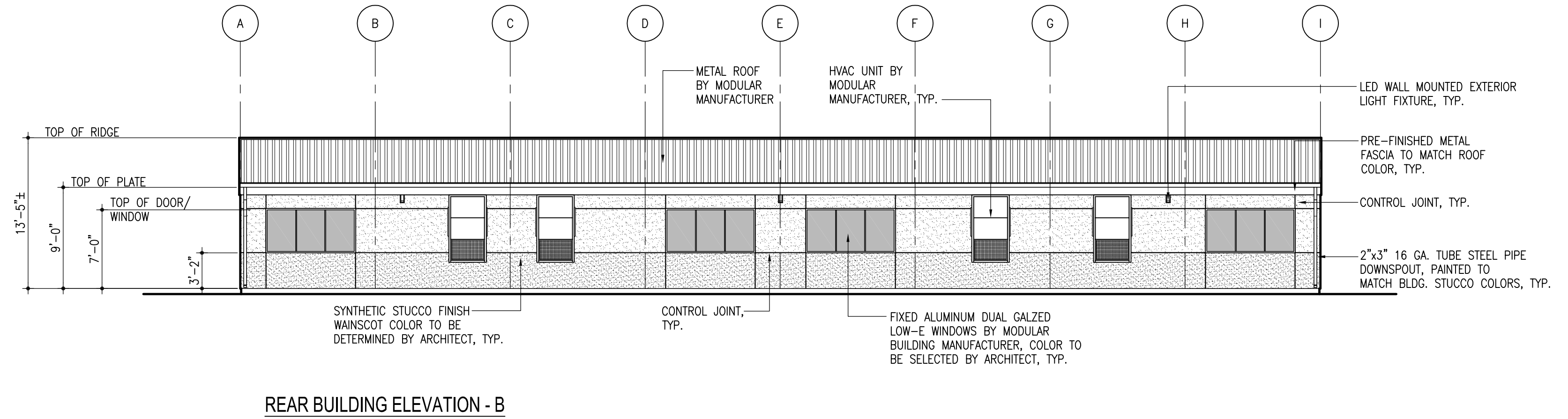
**TYP. RESTROOM BUILDING EXTERIOR ELEVATIONS**

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

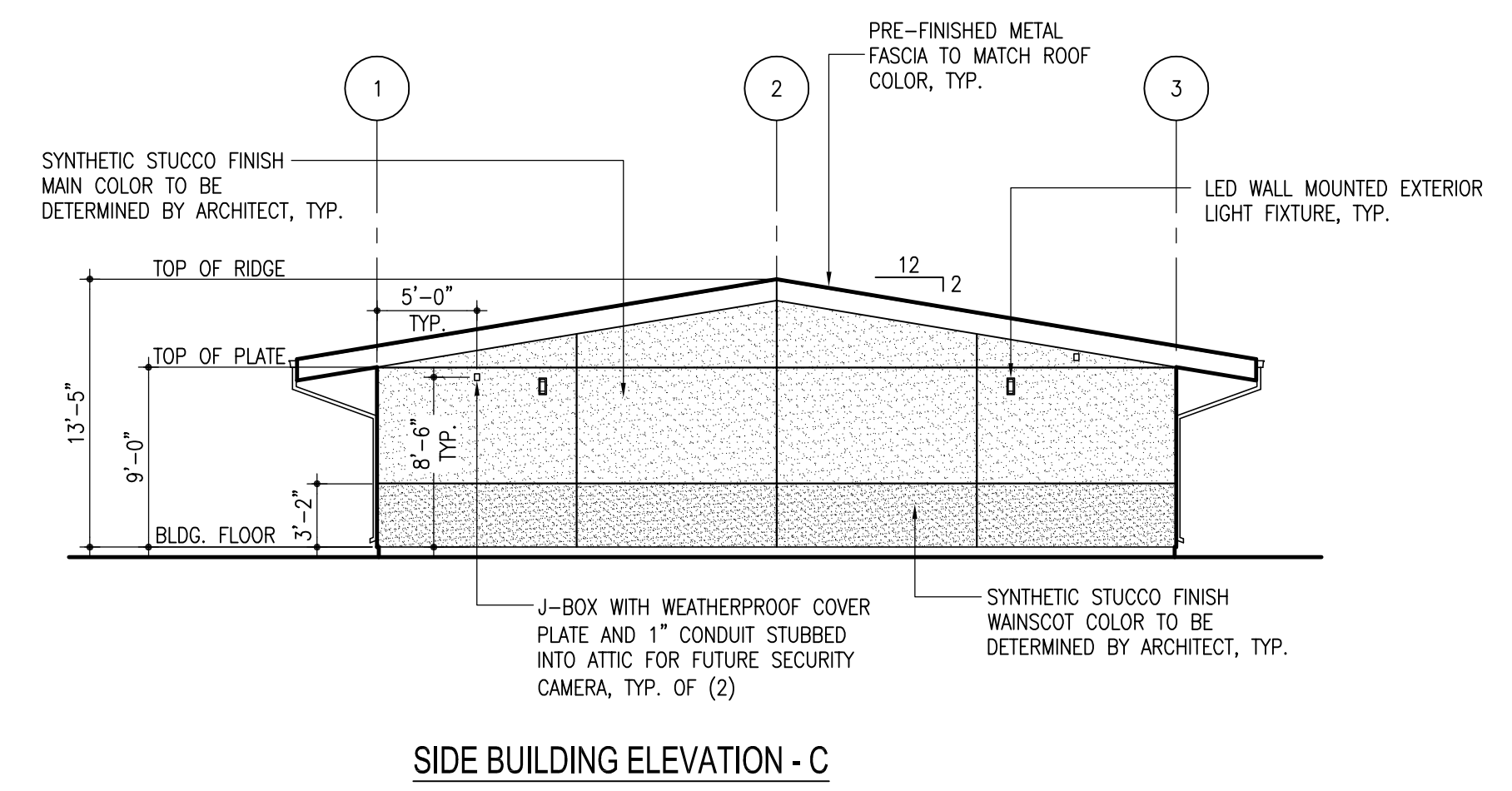
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A3.01



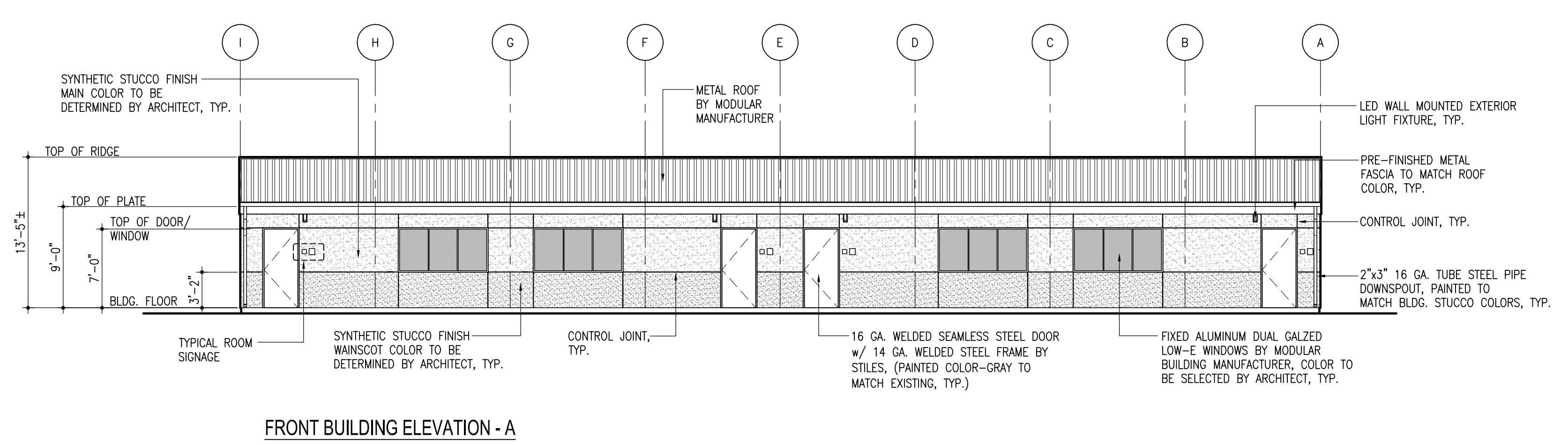
SIDE BUILDING ELEVATION - D



REAR BUILDING ELEVATION - B



SIDE BUILDING ELEVATION - C



FRONT BUILDING ELEVATION - A

**TYP. CLASSROOM BUILDING EXTERIOR ELEVATIONS**

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

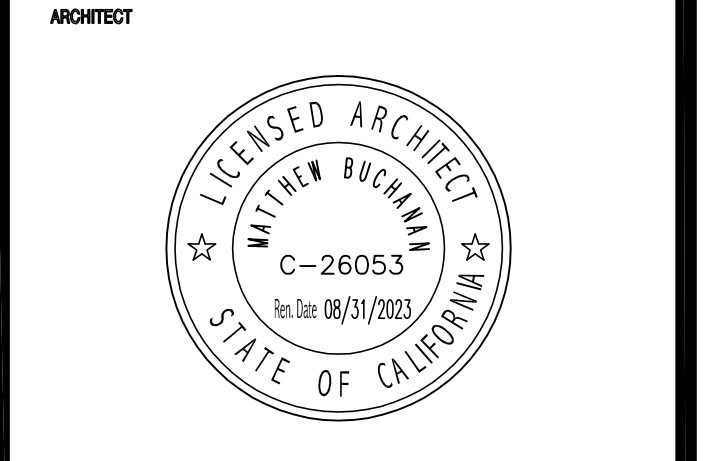
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A3.01

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Drawn by \_\_\_\_\_

Checked by \_\_\_\_\_

Revisions

No.	Date	Description

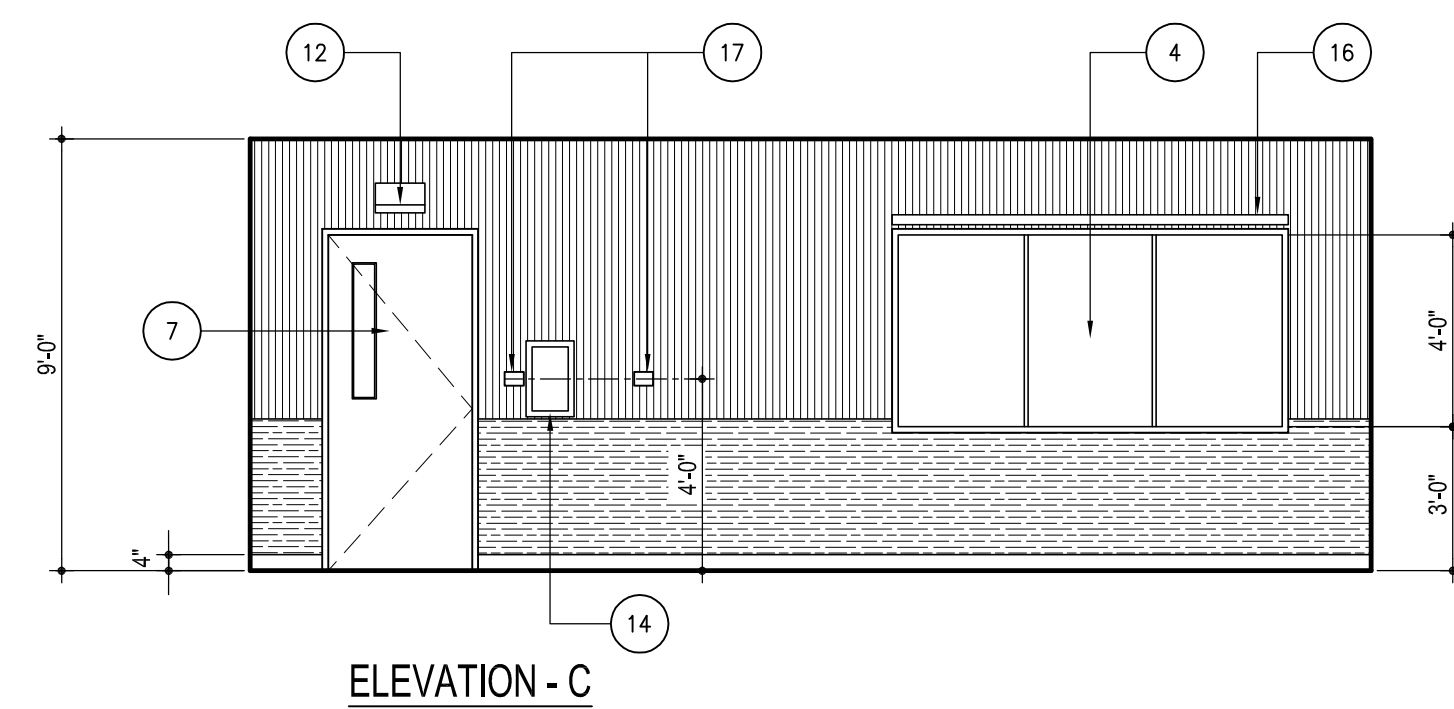
SOUTHERN KERN UNIFIED SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD ROSAMOND, CA 93560

**TYP. CLASSROOM & RESTROOM BUILDING EXTERIOR ELEVATIONS**

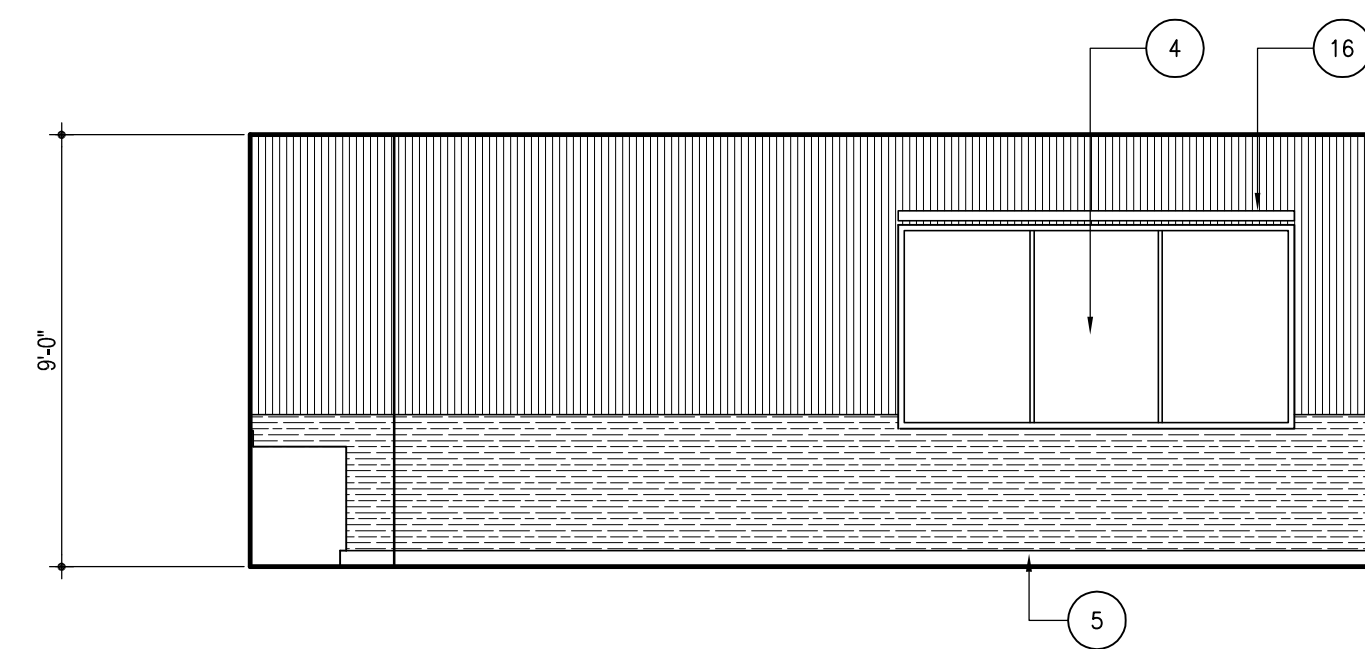
Job No. 2940.000

Date 09-02-21

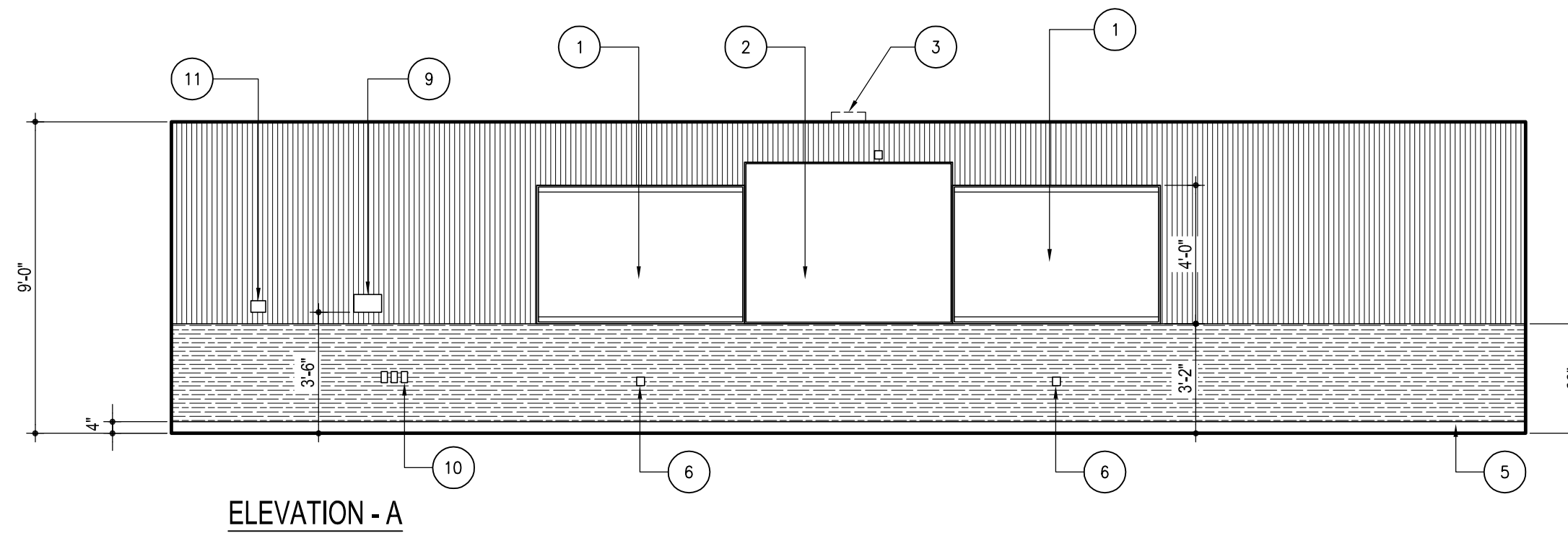
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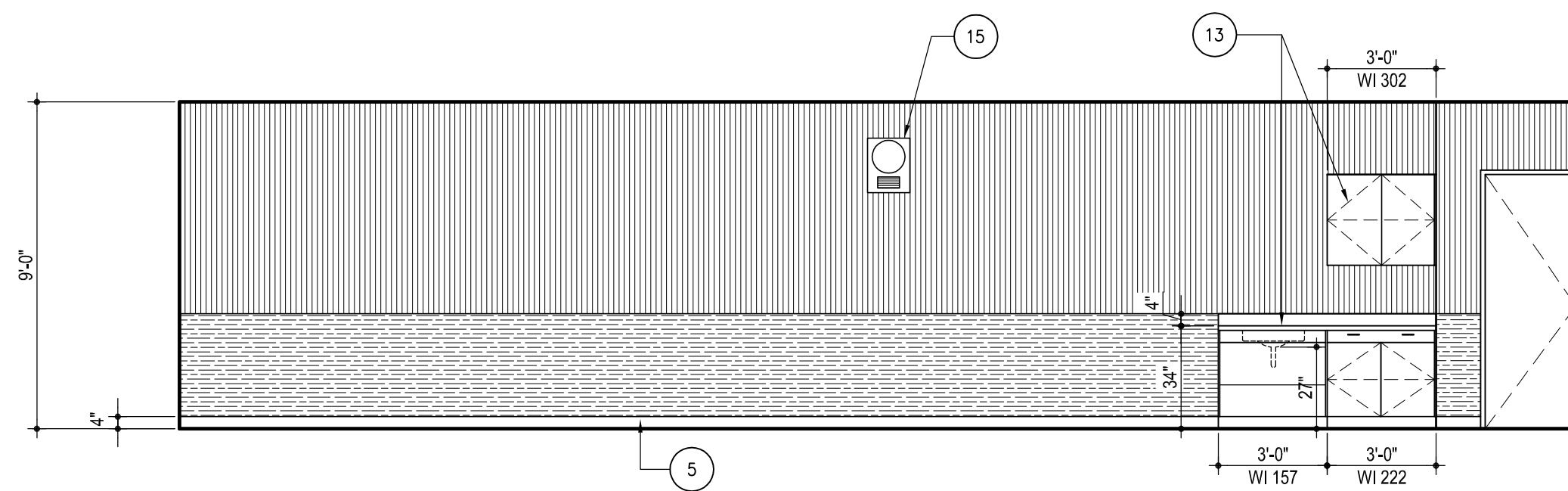
ELEVATION - C



ELEVATION - D



ELEVATION - A

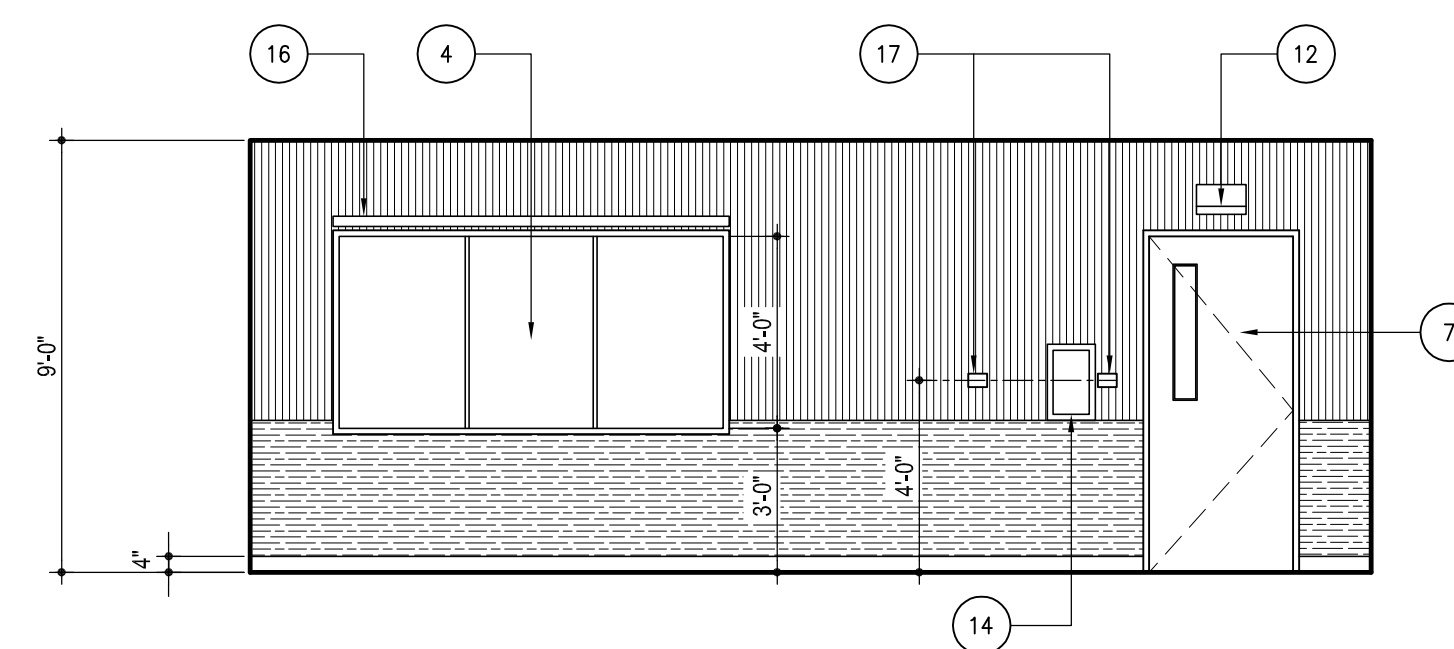


ELEVATION - B

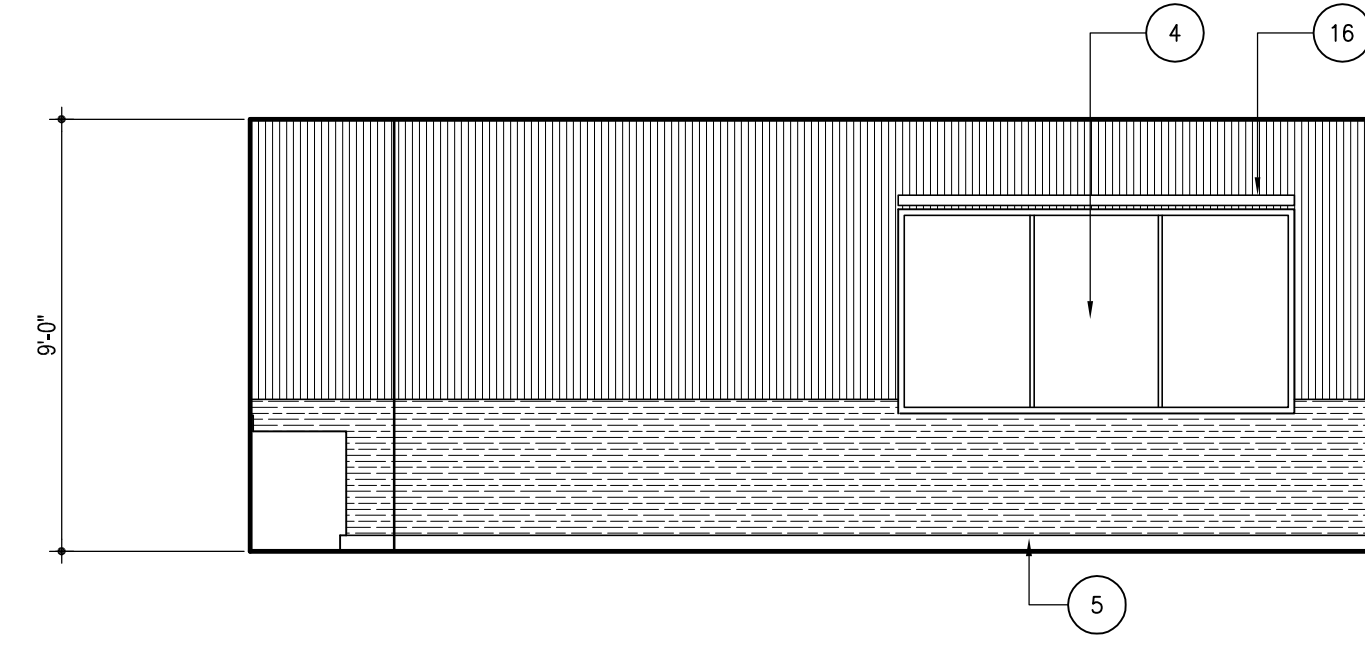
TYP. CLASSROOM INTERIOR ELEVATIONS

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

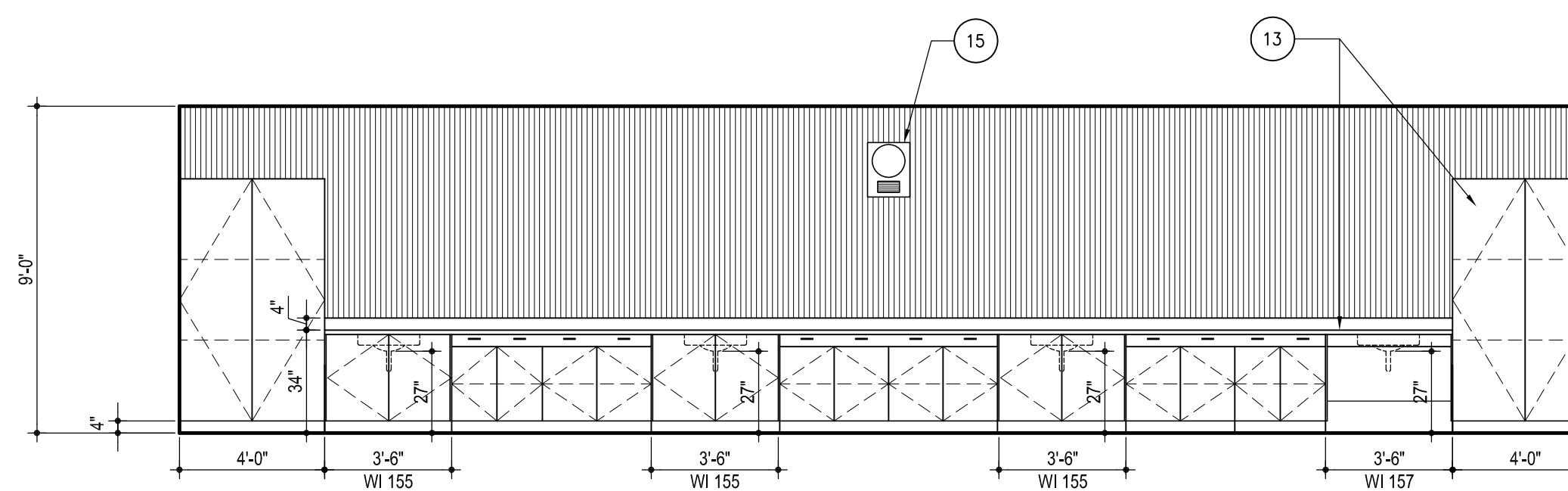
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A4.01



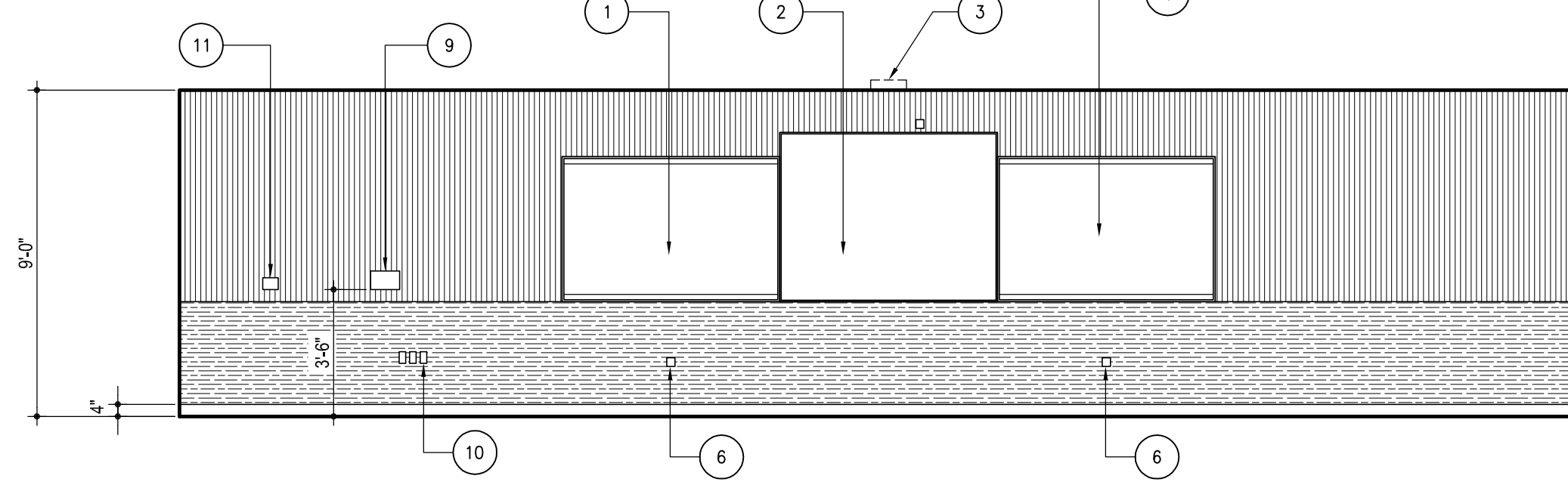
ELEVATION - C



ELEVATION - D



ELEVATION - A



ELEVATION - B

TYP. FLEX CLASSROOM INTERIOR ELEVATIONS

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

2  
A4.01

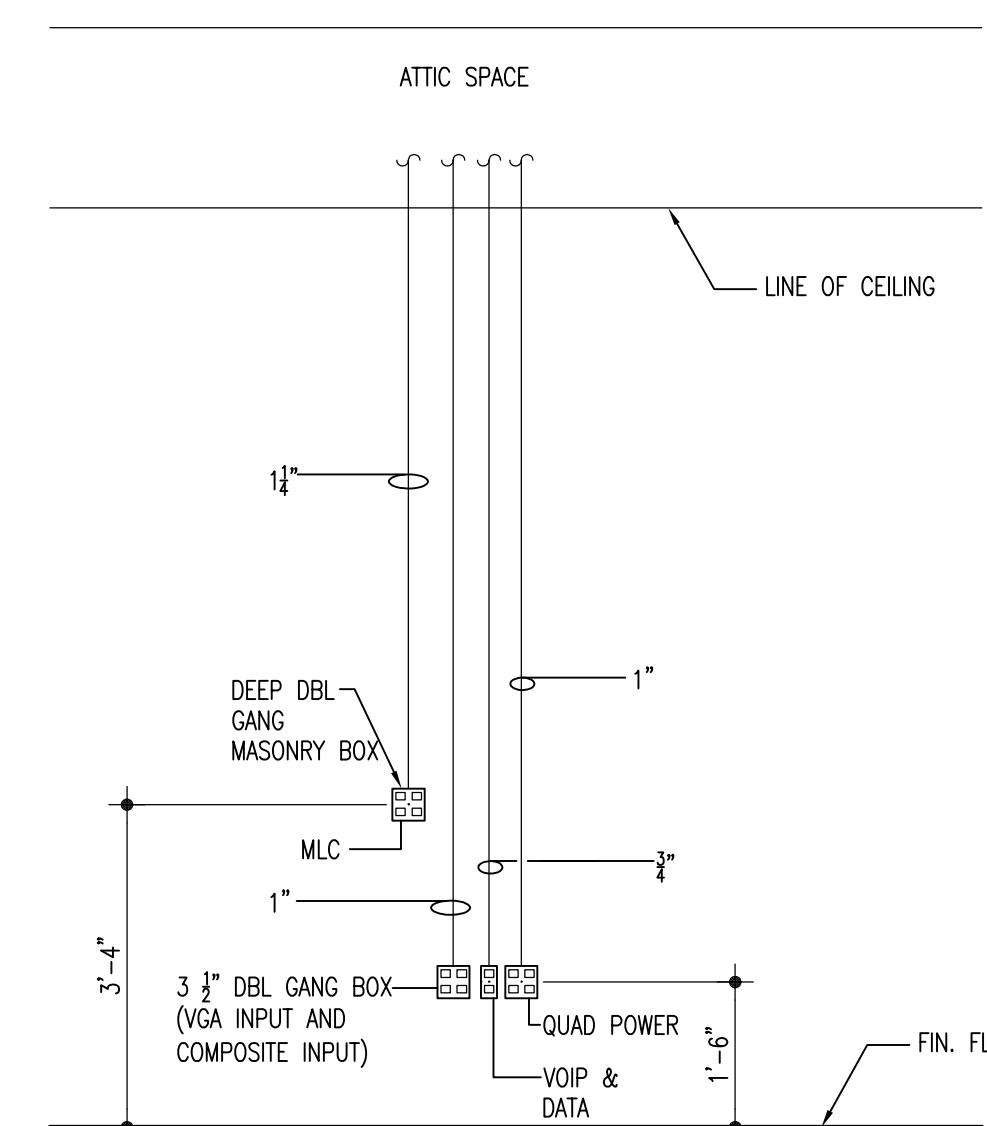


DIAGRAM FOR 9 AND 10

SCALE: 1/2" = 1'-0"

3  
A4.01

INT. ELEVATION LEGEND

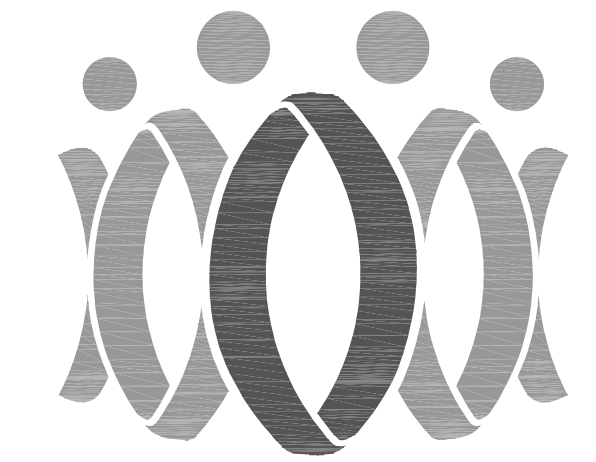
- TACKBOARD WALL PANEL AND TRIM BY KOROSEAL COLOR TO BE SELECTED BY ARCHITECT
- SEQUENTIA FRP PANELS BY CRANE COMPOSITES. COLOR TO BE SELECTED BY ARCHITECT
- 4.5" x 4.5" DALTILE SEMI-GLOSS CERAMIC WALL AND BASE WITH MAPEI GROUT. COLOR TO BE SELECTED BY ARCHITECT

INT. ELEVATION KEYNOTES

GENERAL NOTES:

- A. MODULAR CONTRACTOR SHALL INCLUDE ALL BATHROOM ACCESSORIES REQUIRED FOR USA APPROVAL. ALL ACCESSORIES SHALL BE VANDAL PROOF. SUBMIT CUT SHEETS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SUBMITTING BIDS.
- B. MODULAR CONTRACTOR SHALL PROVIDE RECESSED CAST IRON WHITE PUSH BUTTON HAND DRYER. SUBMIT CUT SHEET TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SUBMITTING BIDS.
1. PROVIDE 4'x6' LCS DELUXE DRY ERASE MARKERBOARD WITH MAP RAIL AND 2 MAP HOOKS, CHALK TRY AND FLAG HOLDER BY CLARIDGE PRODUCTS. COLOR - WHITE WITH 8" FACE MITERED CORNERS.
2. 75" PROMETHEAN ACT/PANEL SCREEN TO BE PROVIDED BY DISTRICT AND SITE CONTRACTOR TO INSTALL. MODULAR CONTRACTOR SHALL PROVIDE ALL REQUIRED POWER AND LOW VOLTAGE CONDUITS PER SHT. AV1.01
3. TECHLOGIC MAXIM RECEIVER AMPLIFIER TO BE PROVIDED BY DISTRICT AND SITE CONTRACTOR TO INSTALL. MODULAR CONTRACTOR SHALL PROVIDE J-BOX ABOVE CEILING w/ DUPLEX OUTLET ON 3" WHIP TO BE SET BY AUDIO/VISUAL CONTRACTOR IN FIELD.
4. 4'x8' FIXED ALUMINUM FRAME WINDOW PER MODULAR BUILDING MANUFACTURER.
5. 4" RUBBER BASE BY BURKE MERCER, COLOR TO BE SELECTED BY ARCHITECT.
6. (1) DBL. DATA + (1) DUPLEX POWER (+18")
7. 16 GA. WELDED SEAMLESS STEEL DOOR w/ 14 GA. WELDED STEEL FRAME BY STILES. PAINT DOOR AND FRAME, COLOR TO BE SELECTED BY ARCHITECT.
8. TERRAZO MOP SINK, REFER TO SCOPE OF WORK KEYNOTE NO.22, SHT. A2.06.
9. EXTRON CONTROLS. PROVIDE ALL CONDUIT AND BOXES AS SHOWN ON DET. 3/A4.01
10. EXTRON VOIP, DATA AND POWER OUTLETS. REFER TO DET. 3/A4.01
11. EMS-SI THERMOSTAT BY ECOBEE.
12. EMERGENCY LIGHT FIXTURE VALUE+LED - VLLU BY PHILLIPS CHLORIDE. HOUSING COLOR - WHITE.
13. LAMINATED CABINET, COUNTERTOP AND BACKSPLASH BY WILSONART. COUNTERTOP AND BACKSPLASH COLOR TO BE SELECTED BY ARCHITECT.
14. 2A-10BC FIRE EXTINGUISHER IN SEMI-RECESSED CABINET WITH VALID CERTIFICATION TAG.
15. VOICOM SPEAKER/CLOCK ASSEMBLY BOX TO BE PROVIDED BY DISTRICT AND INSTALLED BY MODULAR CONTRACTOR. MODULAR CONTRACTOR SHALL PROVIDE CONDUIT PER SHT. AV1.01
16. 1" WINDOW BLINDS, COLOR TO BE SELECTED BY ARCHITECT.
17. TYPICAL ROOM SIGNAGE FOR REFERENCE ONLY AND SHALL BE PROVIDED AND INSTALLED BY SITE CONTRACTOR, COLOR TO BE SELECTED BY ARCHITECT.
18. PROVIDE 18"x30" STAINLESS STEEL CLASS FREE VANDAL RESISTANT MIRROR.
19. PROVIDE STAINLESS STEEL VANDAL RESISTANT SOAP DISPENSER.

AGENCY



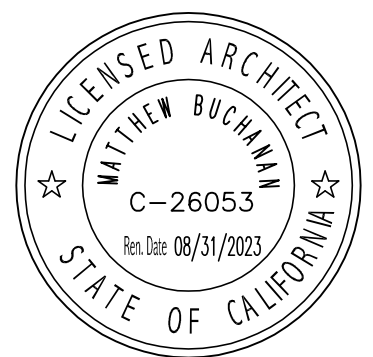
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815 Colorado Blvd, Suite 200  
Los Angeles, CA 90041  
P 323.543.8300  
E-Mail: fm-pasadena@flewellling-moody.com

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Revisions

No.	Date	Description

All dimensions shall be checked at the job by the contractor who accepts full responsibility for their accuracy under the contract. These plans & the specifications in connection therewith have been prepared for a specific site, size and all responsibility for that site to which or to part or any other site is hereby disclaimed by Flewellling & Moody.

SOUTHERN KERN UNIFIED  
SCHOOL DISTRICT  
TROPICO MIDDLE SCHOOL  
EXPANSION PROJECT  
3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

TYP. CLASSROOM BLDG.  
INTERIOR ELEVATIONS

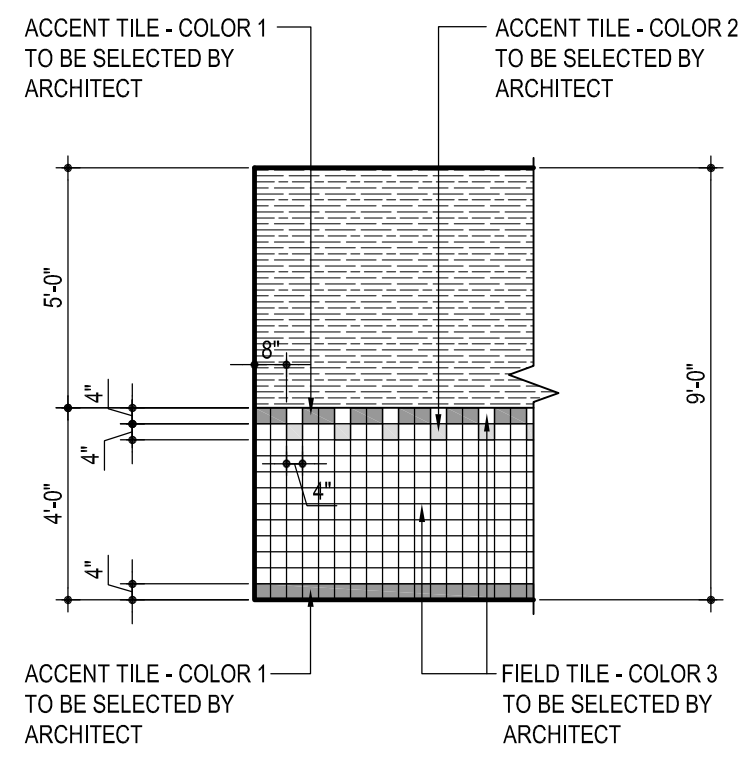
Job No.

2940.000

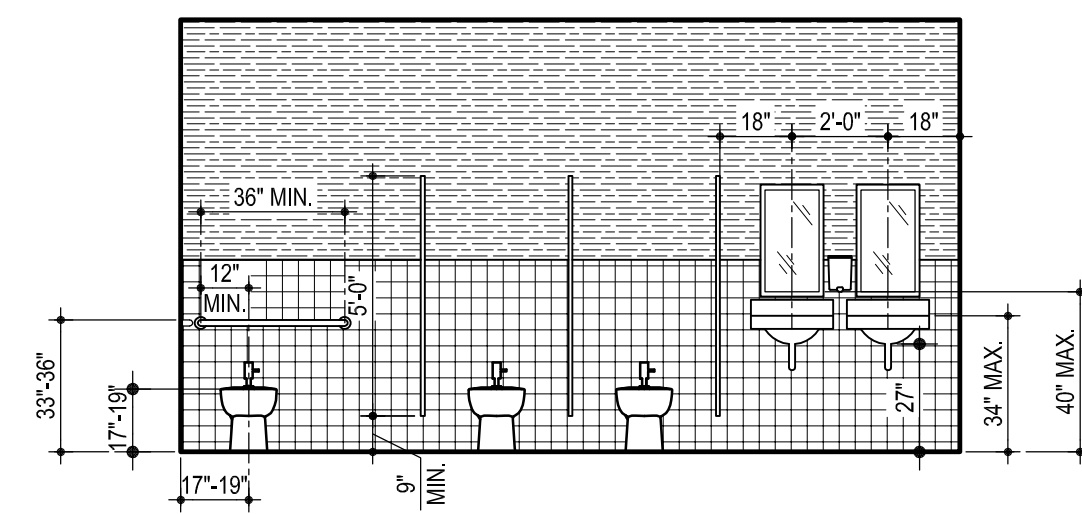
Date

09-02-21

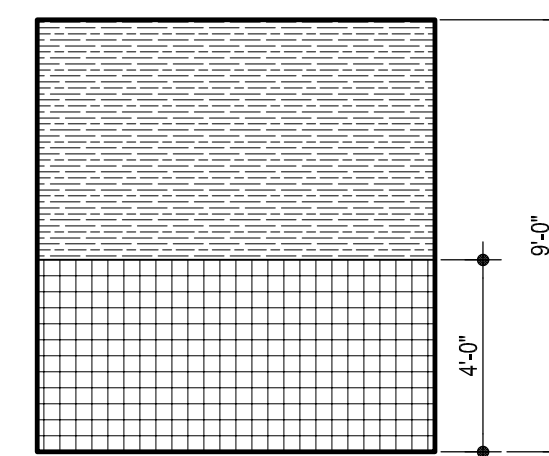
A4.01



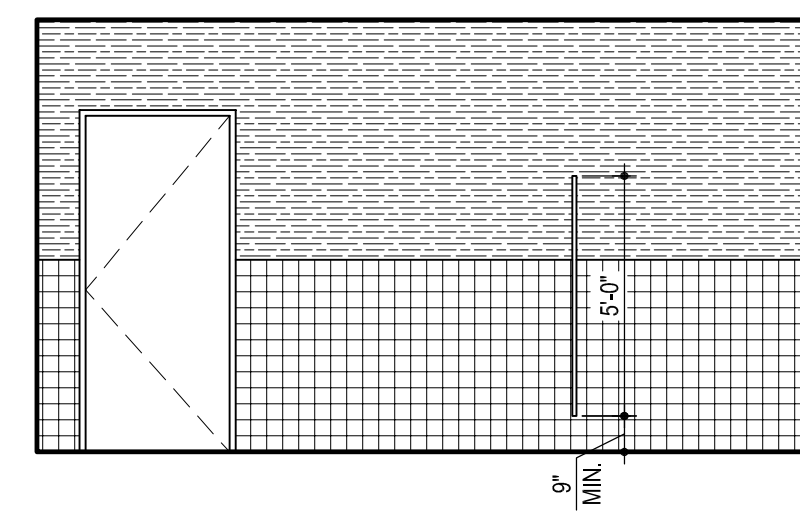
TYP. TILE WAINGCOT PATTERN  
FOR ALL BOYS, GIRLS &  
ALL GENDER RESTROOMS



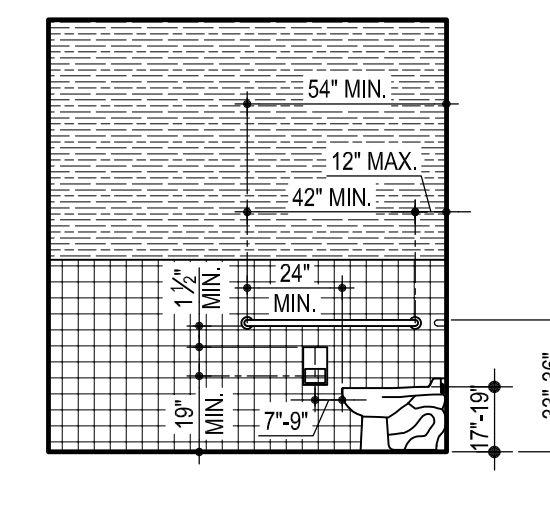
INTERIOR ELEVATION - I



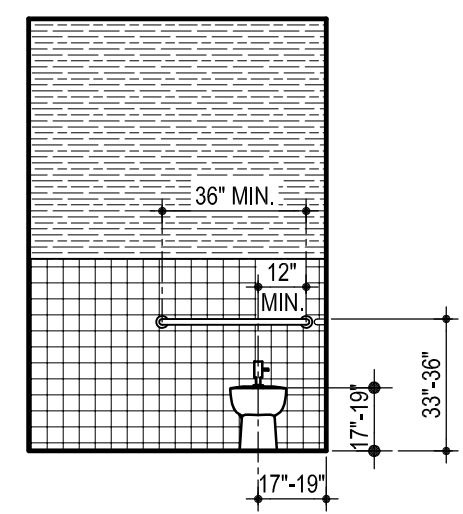
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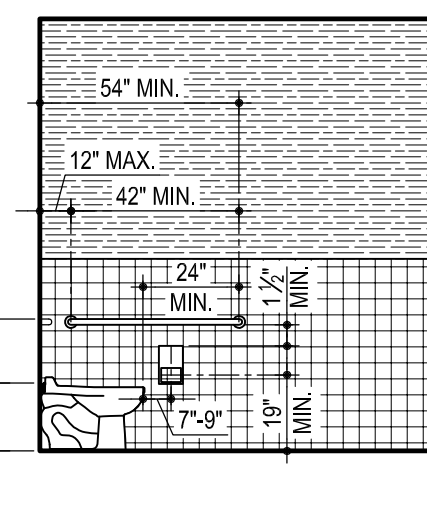
INTERIOR ELEVATION - K



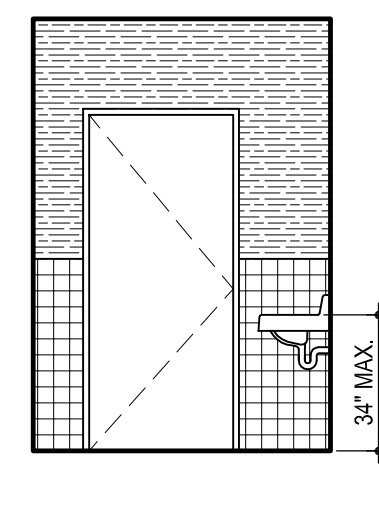
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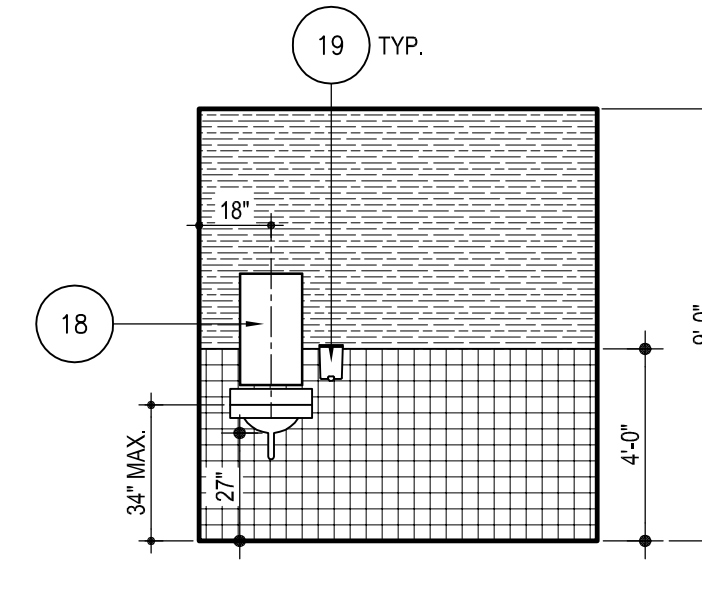
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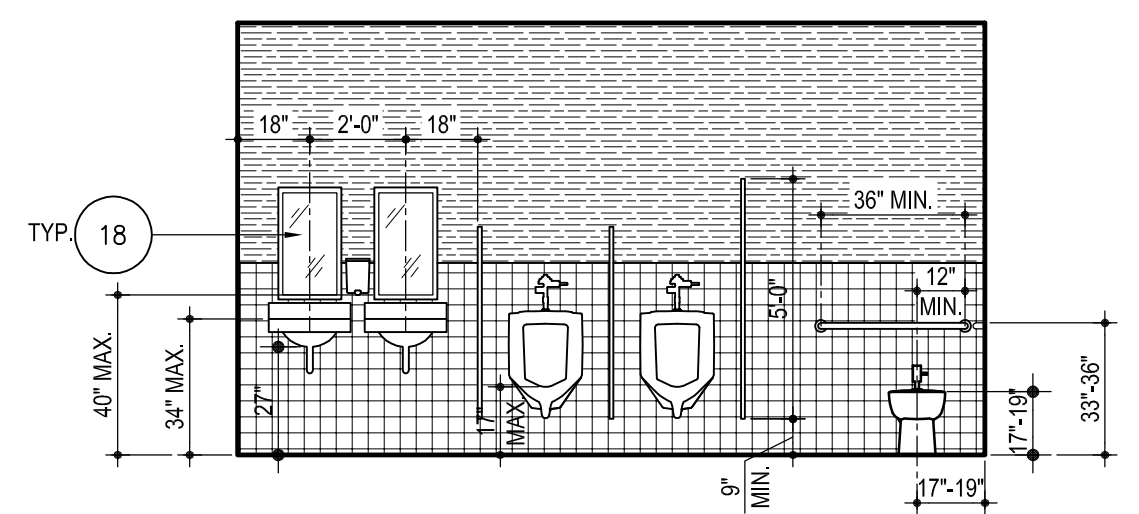
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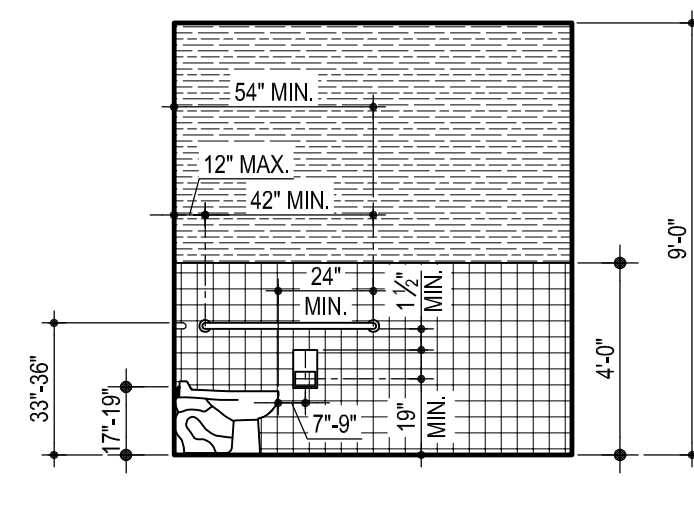
INTERIOR ELEVATION - G



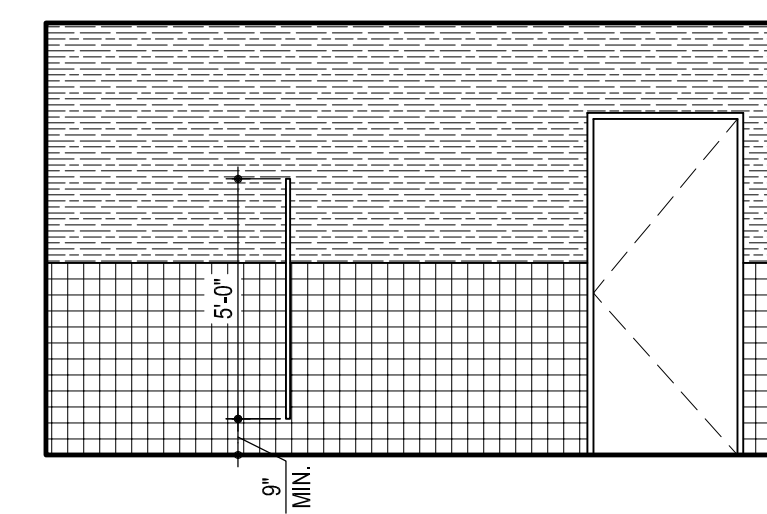
INTERIOR ELEVATION - H



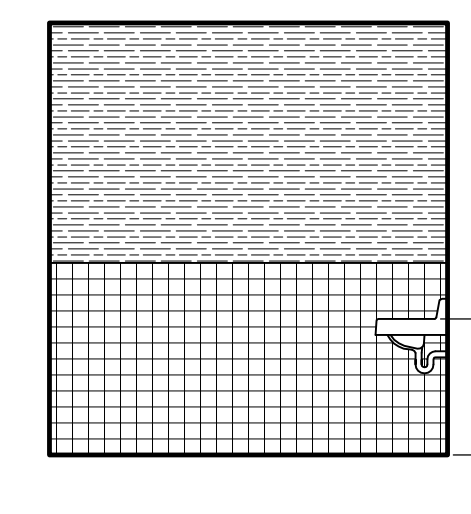
INTERIOR ELEVATION - A



INTERIOR ELEVATION - B



INTERIOR ELEVATION - C

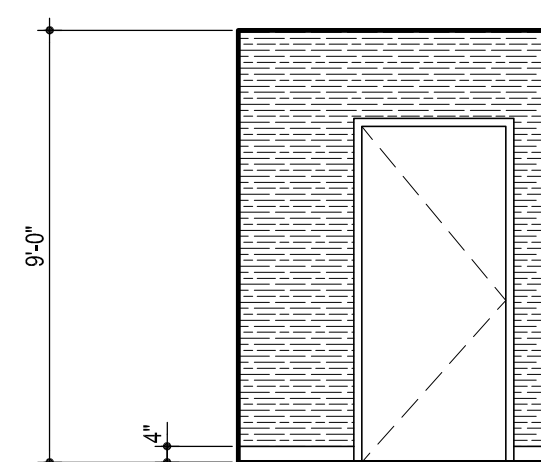


INTERIOR ELEVATION - D

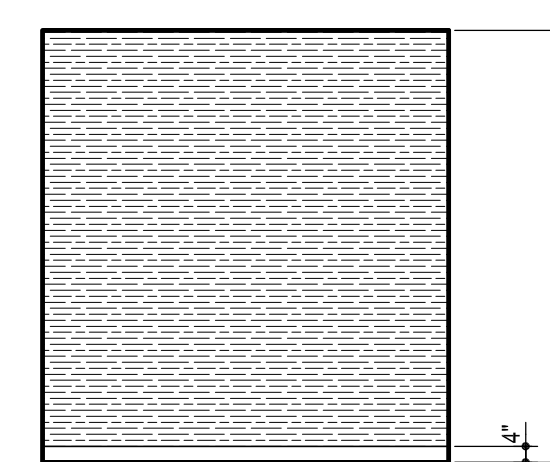
TYP. BOYS, GIRLS, ALL GENDER &  
STAFF RESTROOM INTERIOR ELEVATIONS

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

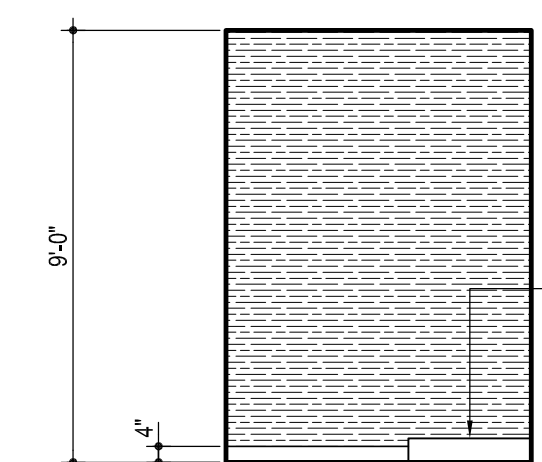
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A4.02



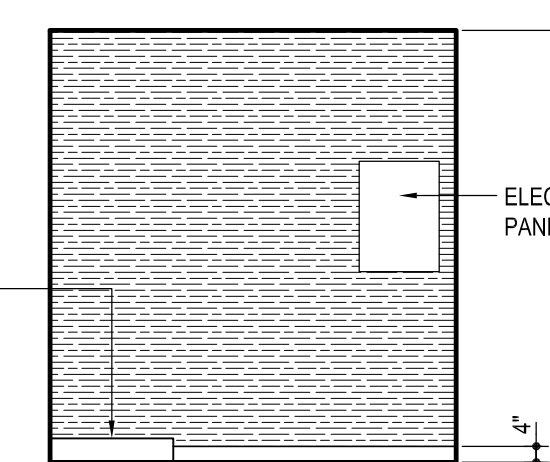
INTERIOR ELEVATION - M



INTERIOR ELEVATION - N



INTERIOR ELEVATION - O



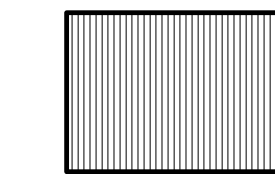
INTERIOR ELEVATION - P

CUSTODIAL RM.3C - RESTROOM BLDG. NO.3  
INTERIOR ELEVATIONS

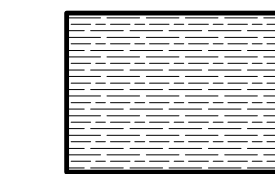
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A4.02

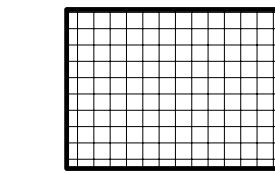
## INT. ELEVATION LEGEND



TACKBOARD WALL PANEL AND TRIM BY KORSEAL, COLOR TO BE SELECTED BY ARCHITECT



SEQUENTIA FRP PANELS BY CRANE COMPOSITES, COLOR TO BE SELECTED BY ARCHITECT



4.5"x4.5" DALTILE SEMI-GLOSS CERAMIC WALL AND BASE WITH MAPEI GROUT, COLOR TO BE SELECTED BY ARCHITECT

## INT. ELEVATION KEYNOTES

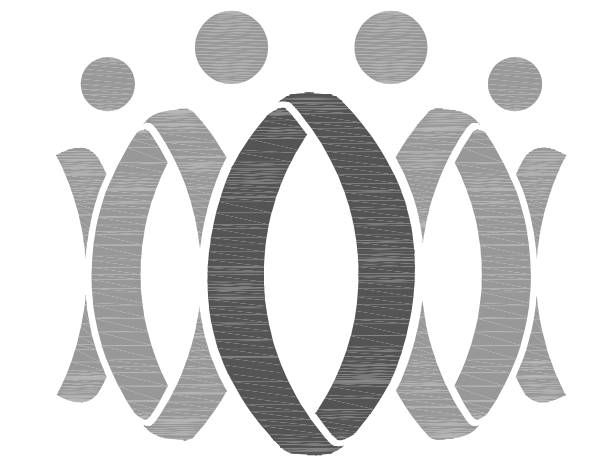
### GENERAL NOTES:

A. MODULAR CONTRACTOR SHALL INCLUDE ALL BATHROOM ACCESSORIES REQUIRED FOR DSA APPROVAL. ALL ACCESSORIES SHALL BE VANDAL PROOF, SUBMIT CUT SHEETS TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SUBMITTING BIDS.

B. MODULAR CONTRACTOR SHALL PROVIDE RECESSED CAST IRON WHITE PUSH BUTTON HAND DRYER. SUBMIT CUT SHEET TO ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO SUBMITTING BIDS.

1. PROVIDE 4'x6' LCS DELUXE DRY ERASE MARKERBOARD WITH MAP RAIL AND 2 MAP HOOKS, CHALK TRY AND FLAG HOLDER BY CLARIDGE PRODUCTS, COLOR - WHITE WITH 8" FACE MITERED CORNERS.
2. 75" PROMETHEAN ACTIPANEL SCREEN TO BE PROVIDED BY DISTRICT AND SITE CONTRACTOR TO INSTALL. MODULAR CONTRACTOR SHALL PROVIDE ALL REQUIRED POWER AND LOW VOLTAGE CONDUITS PER SHT. AV1.01
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4. 4'x8' FIXED ALUMINUM FRAME WINDOW PER MODULAR BUILDING MANUFACTURER.
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6. (1) DBL. DATA + (1) DUPLEX POWER (+18")
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8. TERRAZO MOP SINK, REFER TO SCOPE OF WORK KEYNOTE NO.22, SHT. A2.06.
9. EXTRON CONTROLS. PROVIDE ALL CONDUIT AND BOXES AS SHOWN ON DET. 3/A4.01
10. EXTRON VOIP, DATA AND POWER OUTLETS. REFER TO DET. 3/A4.01
11. EMS-SI THERMOSTAT BY ECOBEE.
12. EMERGENCY LIGHT FIXTURE VALUE+LED - VLLU BY PHILLIPS CHLORIDE, HOUSING COLOR - WHITE.
13. LAMINATED CABINET, COUNTERTOP AND BACKSPLASH BY WILSONART. COUNTERTOP AND BACKSPLASH COLOR TO BE SELECTED BY ARCHITECT.
14. 2A-10BC FIRE EXTINGUISHER IN SEMI-RECESSED CABINET WITH VALID CERTIFICATION TAG.
15. VOLCOM SPEAKER/CLOCK ASSEMBLY BOX TO BE PROVIDED BY DISTRICT AND INSTALLED BY MODULAR CONTRACTOR. MODULAR CONTRACTOR SHALL PROVIDE CONDUIT PER SHT. AV1.01
16. 1" WINDOW BLINDS, COLOR TO BE SELECTED BY ARCHITECT.
17. TYPICAL ROOM SIGNAGE FOR REFERENCE ONLY AND SHALL BE PROVIDED AND INSTALLED BY SITE CONTRACTOR, COLOR TO BE SELECTED BY ARCHITECT.
18. PROVIDE 18"x30" STAINLESS STEEL GLASS FREE VANDAL RESISTANT MIRROR.
19. PROVIDE STAINLESS STEEL VANDAL RESISTANT SOAP DISPENSER.

AGENCY



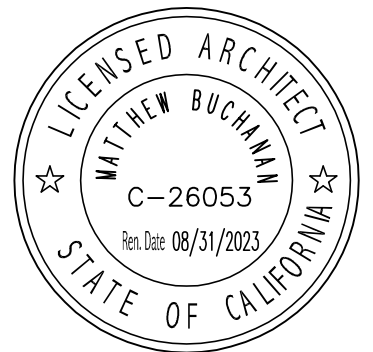
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Drawn by

Checked by

Revisions

No.	Date	Description

All drawings must be checked at the job by the contractor who accepts full responsibility for full accuracy under the contract. There shall be no specifications in contract documents have been prepared for a specific site. Any and all responsibility for that use to which it is put on any other site is hereby disclaimed by Flewellling & Moody.

SOUTHERN KERN UNIFIED  
SCHOOL DISTRICT

TROPICO MIDDLE SCHOOL  
EXPANSION PROJECT

3180 MOJAVE TROPICO ROAD  
ROSAMOND, CA 93560

TYP. RESTROOM BLDG.  
INTERIOR ELEVATIONS

Job No.

2940.000

Date

09-02-21

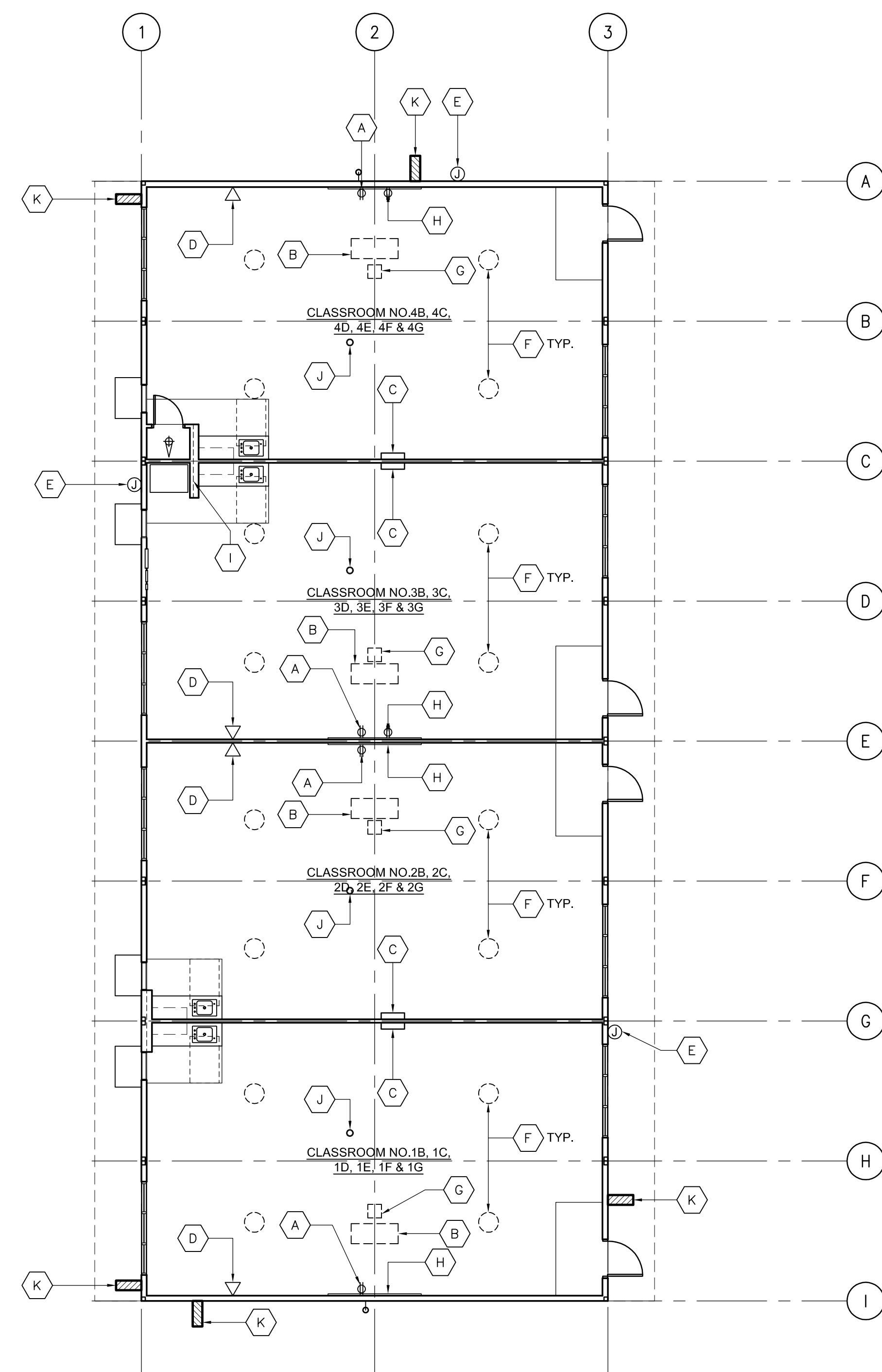
A4.02





# LOW VOLTAGE SCOPE OF WORK KEYNOTES

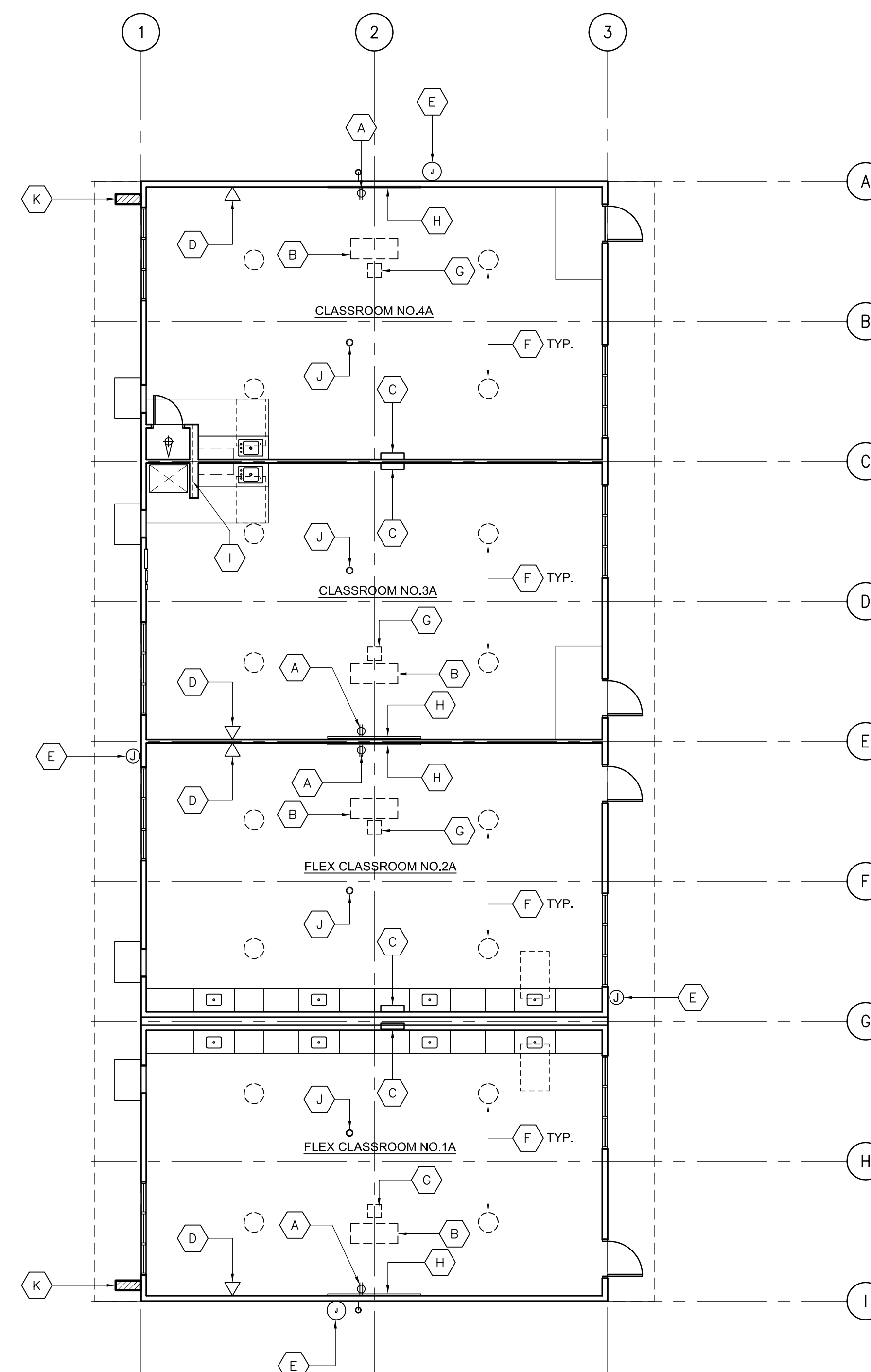
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BUILDING 'B' CLASSROOM AUDIO VISUAL PLAN  
BLDG. C, D, E, F, G, H, & I A.V. PLAN (SIM.)

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

2  
AV1.01

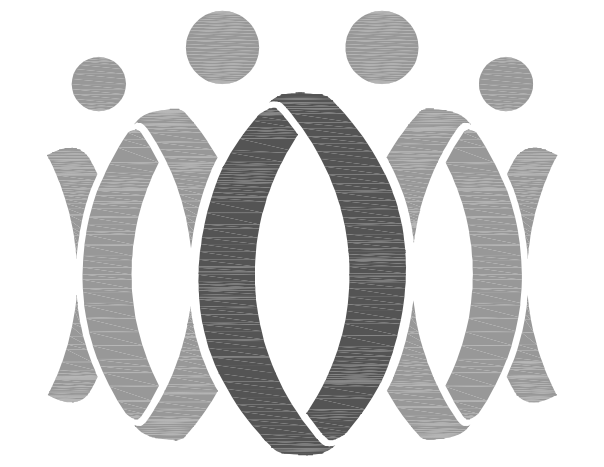


BUILDING 'A' CLASSROOM  
AUDIO-VISUAL PLAN

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

1  
AV1.01

AGENCY



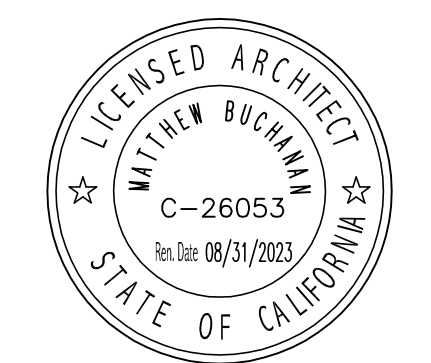
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P 323.543.8300  
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ROSAMOND, CA 93560

BLDG. A & B CLASSROOM  
AUDIO VISUAL PLAN

Job No.

2940.000

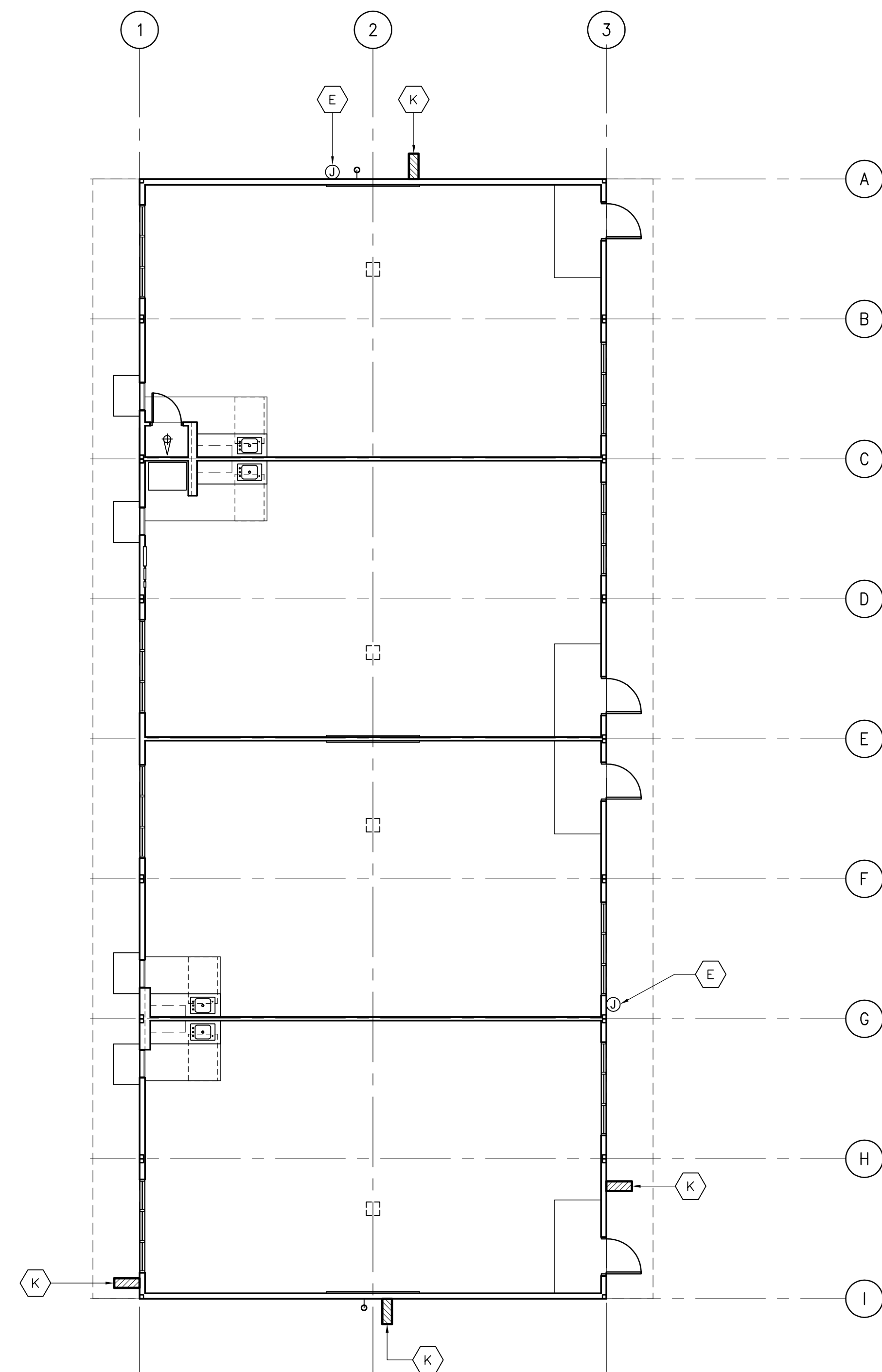
Date

09-02-21

AV1.01

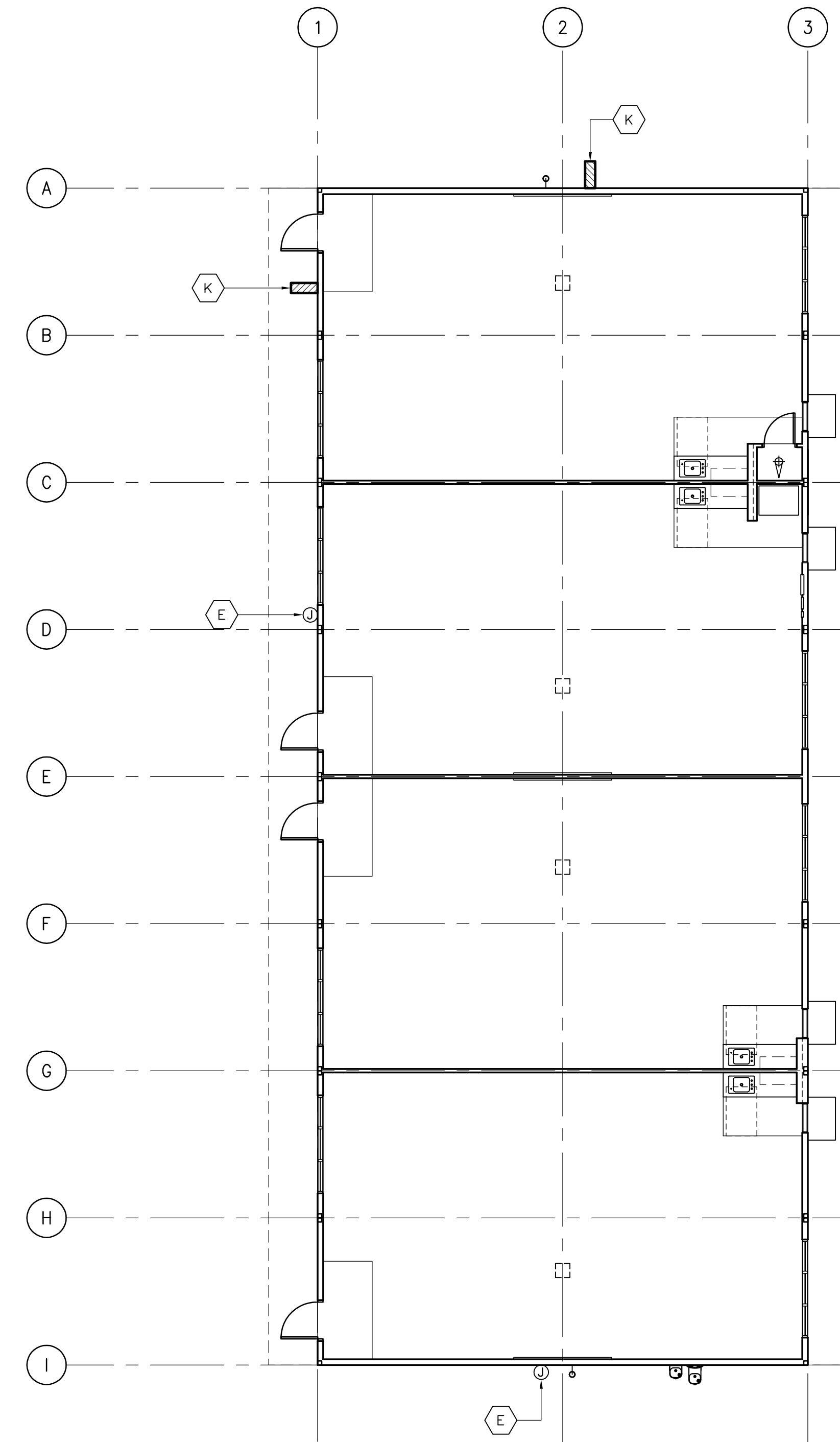
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**BUILDING 'D'  
SECURITY CAMERA & HORN PLAN**  
SCALE: 1/8" = 1'-0"

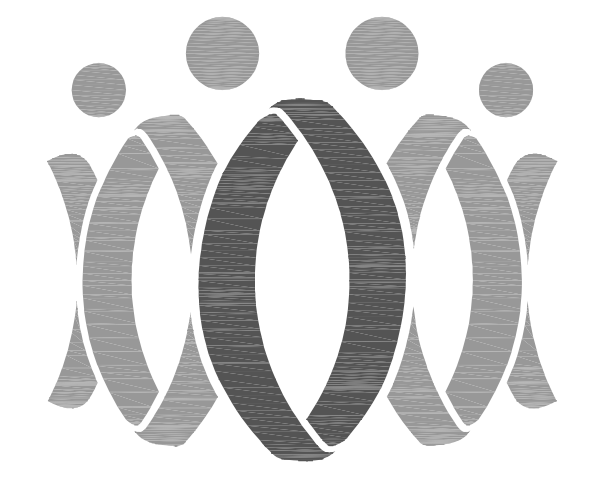
2  
AV1.02



**BUILDING 'C'  
SECURITY CAMERA & HORN PLAN**  
SCALE: 1/8" = 1'-0"

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AV1.02

AGENCY



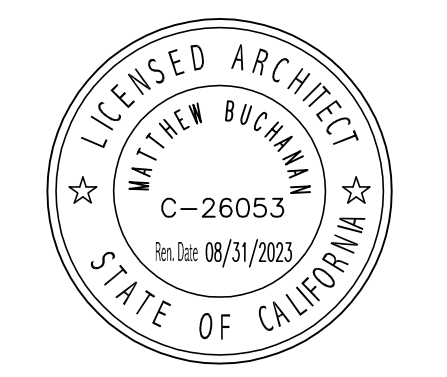
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**BLDG. C & D CLASSROOM  
SECURITY CAMERA &  
HORN PLAN**

Job No.

2940.000

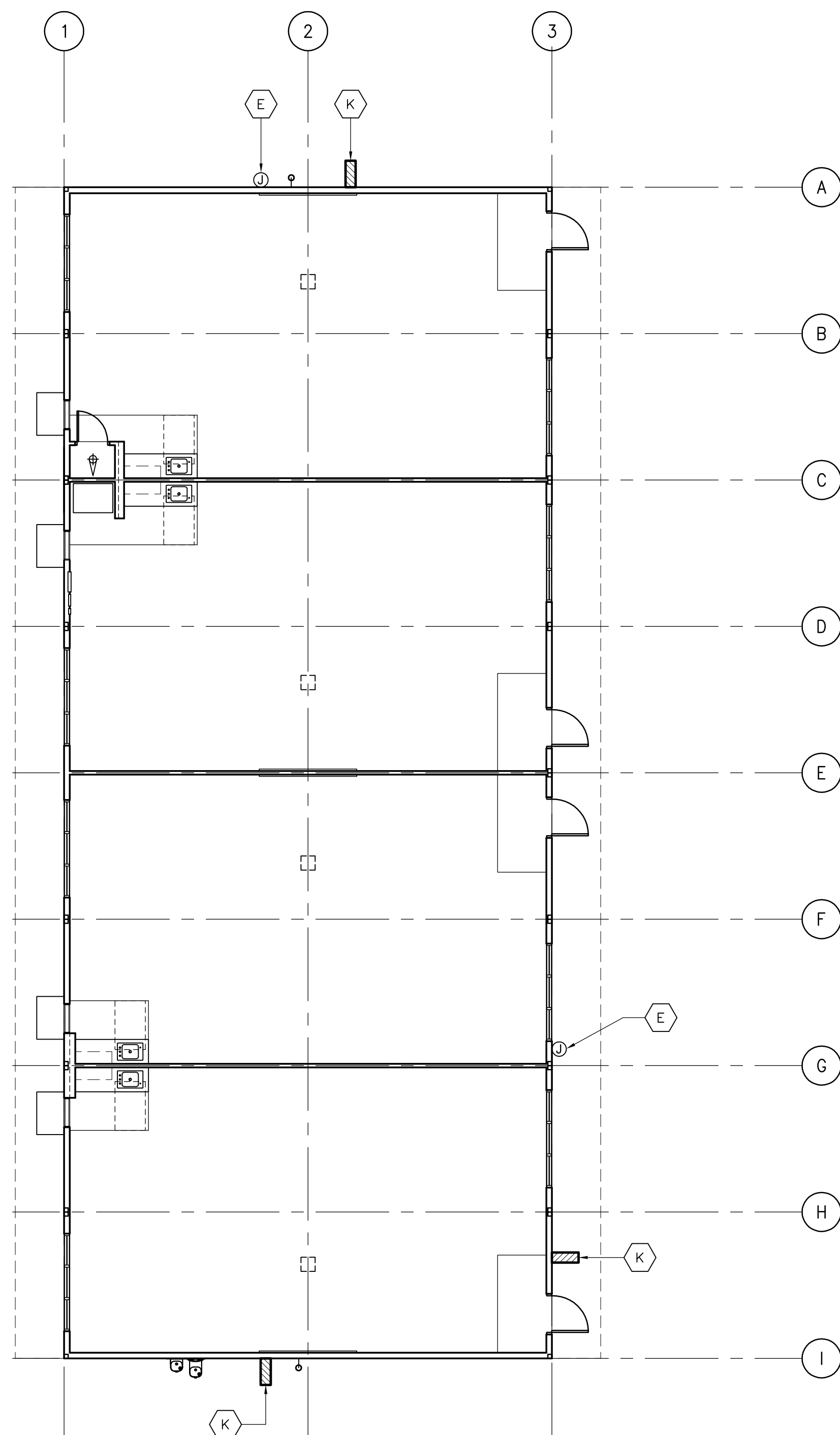
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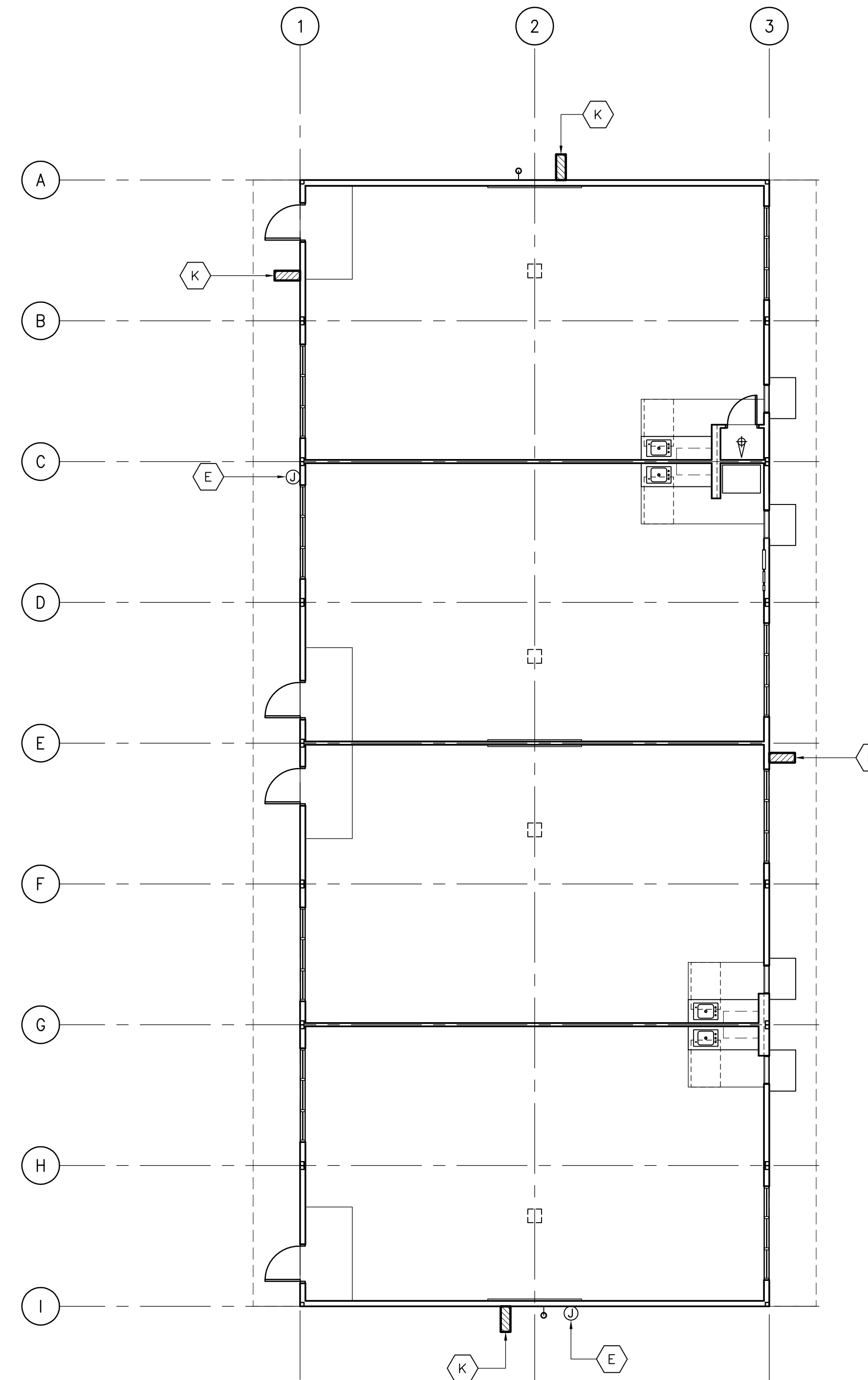
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**BUILDING 'F'  
SECURITY CAMERA & HORN PLAN**

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

2  
LV1.03

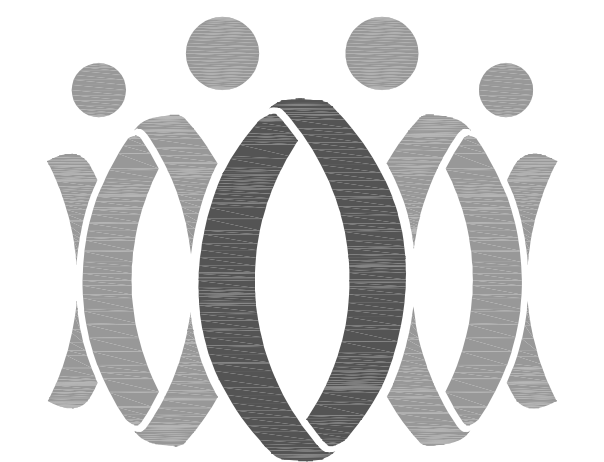


**BUILDING 'E'  
SECURITY CAMERA & HORN PLAN**

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

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LV1.03

AGENCY



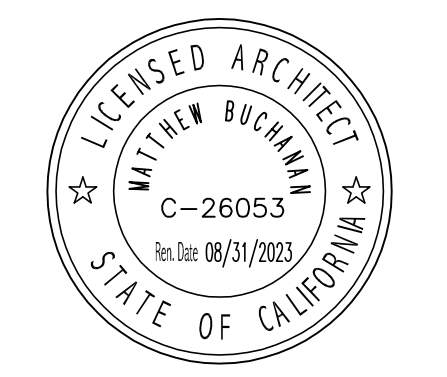
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**BLDG. E & F CLASSROOM  
SECURITY CAMERA &  
HORN PLAN**

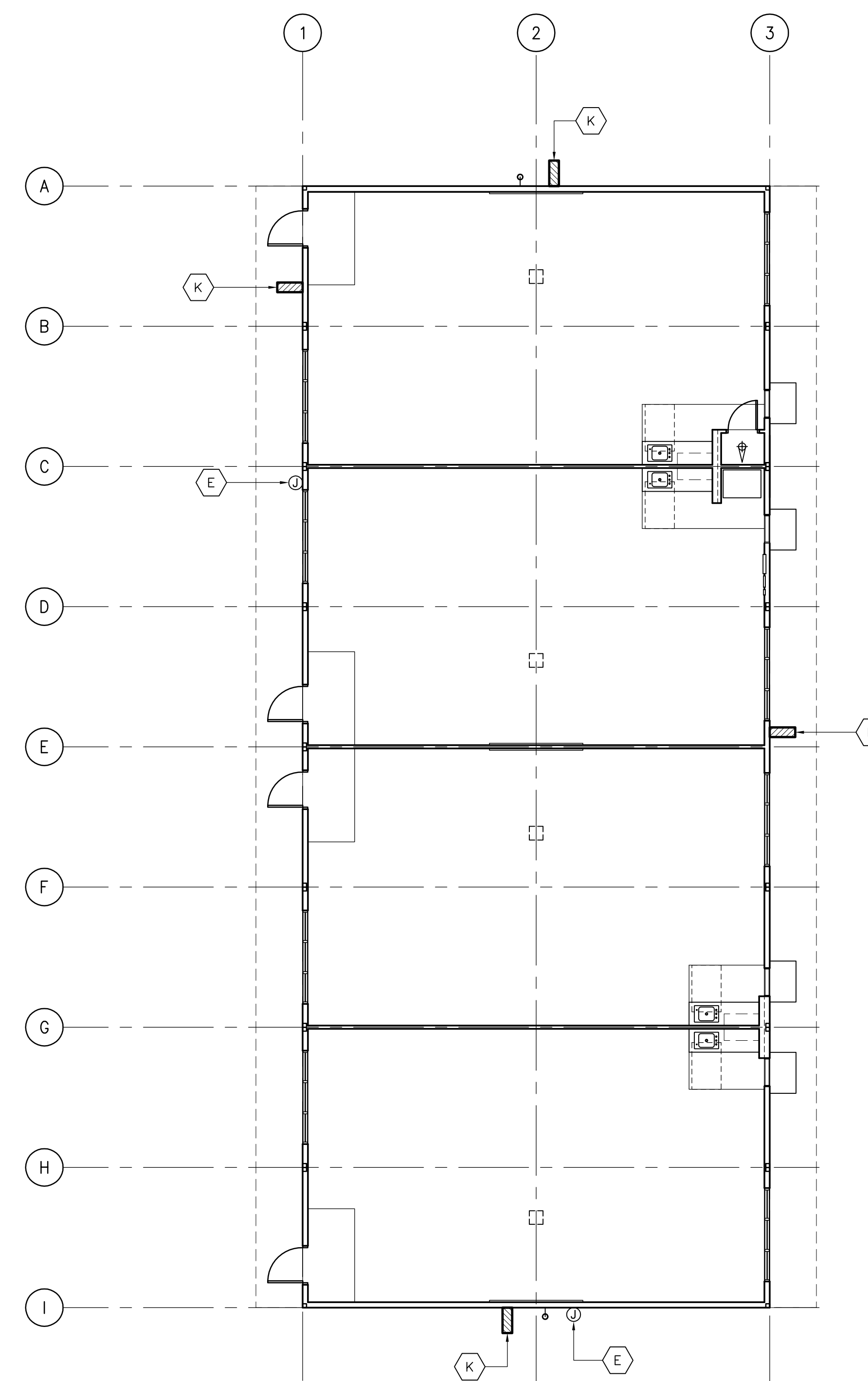
Job No.  
2940.000

**LV1.03**

Date  
09-02-21

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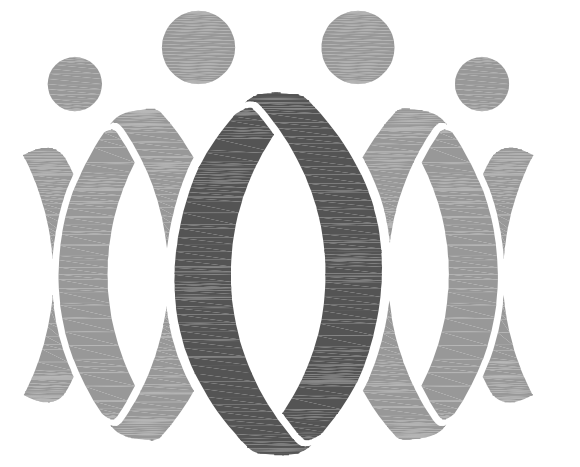
**BUILDING 'G'  
SECURITY CAMERA & HORN PLAN**

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

PROJECT NUMBER:  
DATE REVISION:

1  
LV1.04

AGENCY



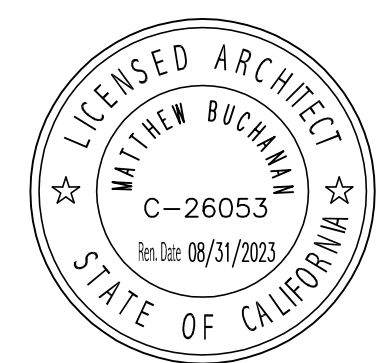
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**BLDG. G CLASSROOM  
SECURITY CAMERA &  
HORN PLAN**

Job No.

2940.000

Date

09-02-21

**LV1.04**

# TROPICO MIDDLE SCHOOL EXPANSION PROJECT

## DISTRICT STANDARD INTERIOR FINISH MATRIX SCHEDULE

Flewelling & Moody Architects

Product/Location	Manufacturer	Description	Material Info:	Location	Notes
<b>Flooring</b>					
Ceramic Floor Tile	Dal Tile	Dal Tile Keystones Collection, mosaic tile in 2 x 2	Color to be selected by Architect	All Restrooms	
Ceramic Tile - grout	Mapei		Color to be selected by Architect	All Restrooms	
Carpet Floor Tile	Interface Carpet	Main Carpet. 20"x20" Ashlar Pattern Install. 65% of floor	Color to be selected by Architect	All Typical Classrooms	
Carpet Floor Tile	Interface Carpet	Accent Color #1. 20"x20" Ashlar Pattern Install. 5% of floor	Color to be selected by Architect	All Typical Classrooms	
Carpet Floor Tile	Interface Carpet	Accent Color #2. 20"x20" Ashlar Pattern Install. 5% of floor	Color to be selected by Architect	All Typical Classrooms	
Carpet Floor Tile	Interface Carpet	Accent Color #3. 20"x20" Ashlar Pattern Install. 5% of floor	Color to be selected by Architect	All Typical Classrooms	
Carpet Floor Tile	Interface Carpet	Accent Color #1. 20"x20" Ashlar Pattern Install. 20% of floor	Color to be selected by Architect	All Typical Classrooms	
VCT Flooring	Armstrong	12x12 square tile - Standard Excelon Imperial Texture	Color to be selected by Architect	Flex Classrooms, Typ. Classrooms	
Floor Base	Burke mercer	4" rubber base	Color to be selected by Architect	All baseboards	
<b>Casework</b>					
Laminate	Wilsonart	countertops & backsplash	Color to be selected by Architect	All countertops and backsplash	
Laminate	Wilsonart	plastic laminate casework finish	Color to be selected by Architect	All Cabinets	
Edgeband	Doellken-Woodtape	Cabinetry Edges	Color to be selected by Architect	All Casework	
<b>Interior Wall Finish</b>					
Tackboard wall panels & trim	Koroseal	See Interior Elevations	Color to be selected by Architect	All Tackboards	
Wainscot	Crane Composites	Sequentia	Color to be selected by Architect	All FRP	
Ceramic Tile	Dal Tile	Wainscot	Color to be selected by Architect	All Restrooms	See Sht. A4.02 for typical wainscot tile pattern
Ceramic Tile - grout	Mapei		Color to be selected by Architect	All Restrooms	
<b>Exterior Wall</b>					
Paint		Factory painted stucco	Color to be selected by Architect	All Buildings	
Paint		Factory painted stucco	Color to be selected by Architect	All Buildings	

**Windows/Doors/Roofing**

Roof	Per modular manufacturer	Standing Seam Metal Roof	Color to be selected by Architect	All Metal Roofs	
Metal Panels			Color to be selected by Architect	All Fascia, Gutter, Wall Caps and Soffit Panels	
Metal Downspouts			Color to be selected by Architect	All downspouts	Downspout to match color of gutter at top and match color of stucco at walls
Hollow Metal Doors & Frames	Per District Standard		Color to be selected by Architect	All doors & Frames	Exterior & Interior

**Furniture**

Fixed Marker Board	Claridge	6'x4' Markerboard	Porcelain Enamel Steel	All Classrooms	
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**Accessories**

Mini Blinds		Vertical or horizontal 1" mini blinds	Color to be selected by Architect	All Classrooms	
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SECTION 08 71 00  
DOOR HARDWARE

PART 1 - GENERAL

1.1 SUMMARY

A. Section Includes:

1. Door hardware, including electric hardware.
2. Battery-powered electronic credential access control locks.
3. Card Access control system.
4. Cylinders for doors fabricated with locking hardware.

B. Related Divisions:

1. Division 06 – door hardware installation
2. Division 07 – sealant at exterior thresholds
3. Division 08 – metal doors and frames.

C. Specific Omissions: Hardware for the following is specified or indicated elsewhere.

1. Windows.
2. Cabinets, including open wall shelving and locks.
3. Signs.
4. Toilet accessories, including grab bars.
5. Installation.
6. Rough hardware.
7. Access doors and panels.
8. Corner Guards.

1.2 REFERENCES:

A. Use date of standard in effect as of Bid date.

1. American National Standards Institute
  - a) ANSI 156.18 – Materials and Finishes.
2. BHMA – Builders Hardware Manufacturers Association
3. 2019 California Building Code
  - a) Chapter 11B – Accessibility To Public Buildings, Public Accommodations, Commercial Buildings and Public Housing
4. DHI – Door and Hardware Institute
5. WHI – Warnock Hersey Incorporated State of California Building Code
6. Local applicable codes
7. SDI – Steel Door Institute
8. NAAMM – National Association of Architectural Metal Manufacturers

B. Abbreviations

1. Manufacturers: see table at 2.1.A of this section.
2. 08Finishes: see 2.8 of this section.

### 1.3 SUBMITTALS & SUBSTITUTIONS

- A. SUBMITTALS: Submit six copies of schedule per D. Only submittals printed one sided will be accepted and reviewed. Organize vertically formatted schedule into "Hardware Sets" with index of doors and headings, indicating complete designations of every item required for each door or opening. Minimum 10pt font size. Include following information:
1. Type, style, function, size, quantity and finish of hardware items.
  2. Use BHMA Finish codes per ANSI A156.18.
  3. Name, part number and manufacturer of each item.
  4. Fastenings and other pertinent information.
  5. Location of hardware set coordinated with floor plans and door schedule.
  6. Explanation of abbreviations, symbols, and codes contained in schedule.
  7. Mounting locations for hardware.
  8. Door and frame sizes, materials and degrees of swing.
  9. List of manufacturers used and their nearest representative with address and phone number.
  10. Catalog cuts.
  11. Manufacturer's technical data and installation instructions for electronic hardware.
- B. Bid and submit manufacturer's updated/improved item if scheduled item is discontinued.
- C. Deviations: Highlight, encircle or otherwise identify deviations from "Schedule of Finish Hardware" on submittal with notations clearly designating those portions as deviating from this section.
- D. If discrepancy between drawings and scheduled material in this section, bid the more expensive of the two choices, note the discrepancy in the submittal and request direction from Architect for resolution.
- E. Substitutions per Division 1. Include product data and indicate benefit to the Project. Furnish operating samples on request.
- F. Items listed with no substitute manufacturers have been requested by Owner to meet existing standard.
- G. Furnish as-built/as-installed schedule with closeout documents, including keying schedule, riser and point-to-point wiring diagrams, manufacturers' installation, adjustment and maintenance information, and supplier's final inspection report.

### 1.4 QUALITY ASSURANCE:

- A. Qualifications:
1. Hardware supplier: direct factory contract supplier who employs a hardware consultant, available at reasonable times during course of work for project hardware consultation to Owner, Architect and Contractor.
    - a) Responsible for detailing, scheduling and ordering of finish hardware. Detailing implies that the submitted schedule of hardware is correct and complete for the intended function and performance of the openings.
- B. Hardware: Free of defects, blemishes and excessive play. Obtain each kind of hardware (latch and locksets, exit devices, hinges and closers) from one manufacturer.



- C. Exit Doors: Operable from inside with single motion without the use of a key or special knowledge or effort.
- D. Furnish hardware items required to complete the work in accordance with specified performance level and design intent, complying with manufacturers' instructions and code requirements.

#### 1.5 DELIVERY, STORAGE AND HANDLING:

- A. Delivery: coordinate delivery to appropriate locations (shop or field).
  - 1. Permanent keys and cores: secured delivery direct to Owner's representative.
- B. Acceptance at Site: Items individually packaged in manufacturers' original containers, complete with proper fasteners and related pieces. Clearly mark packages to indicate contents, locations in hardware schedule and door numbers.
- C. Storage: Provide securely locked storage area for hardware, protect from moisture, sunlight, paint, chemicals, dust, excessive heat and cold, etc.

#### 1.6 PROJECT CONDITIONS AND COORDINATION:

- A. Where exact types of hardware specified are not adaptable to finished shape or size of members requiring hardware, provide suitable types having as nearly as practical the same operation and quality as type specified, subject to Architect's approval.
- B. Coordination: Coordinate hardware with other work. Furnish hardware items of proper design for use on doors and frames of the thickness, profile, swing, security and similar requirements indicated, as necessary for proper installation and function, regardless of omissions or conflicts in the information on the Contract Documents. Furnish related trades with the following information:
  - 1. Location of embedded and attached items to concrete.
  - 2. Location of wall-mounted hardware, including wall stops.
  - 3. Location of finish floor materials and floor-mounted hardware.
  - 4. At masonry construction, coordinate with the anchoring and hollow metal supplier prior to frame installation by placing a strip of insulation, wood, or foam, on the back of the hollow metal frame behind the rabbet section for continuous hinges, as well as at rim panic hardware strike locations, silencers, coordinators, and door closer arm locations. When the frame is grouted in place, the backing will allow drilling and tapping without dulling or breaking the installer's bits.
  - 5. Coordinate: flush top rails of doors at outswinging exteriors, and throughout where adhesive-mounted seals occur.
  - 6. Manufacturers' templates to door and frame fabricators.
- C. Check Shop Drawings for doors and entrances to confirm that adequate provisions will be made for proper hardware installation.
- D. Environmental considerations: segregate unused recyclable paper and paper product packaging, uninstalled metals, and plastics, and have these sent to a recycling center.

## 1.7 WARRANTY:

- A. Part of respective manufacturers' regular terms of sale. Provide manufacturers' written warranties.
- B. Include factory order numbers with close-out documents to validate warranty information, required for Owner in making future warranty claims:
- C. Minimum warranties:
  - 1. Locksets: Three years
  - 2. Stand Alone Electric Locks One year
  - 3. Exit Devices: Three years mechanical
  - 4. Closers: Thirty years mechanical
  
  - 5. Hinges: One year
  - 6. Other Hardware Two years

## 1.8 COMMISSIONING:

- A. Conduct these tests prior to request for certificate of substantial completion:
  - 1. With installer present, test door hardware operation with climate control system and stairwell pressurization system both at rest and while in full operation.
  - 2. With installer, access control contractor and electrical contractor present, test electrical, electronic and electro-pneumatic hardware systems for satisfactory operation.

## 1.9 REGULATORY REQUIREMENTS:

- A. Locate latching hardware between 34 inches to 44 inches above the finished floor, per-2019 California Building Code, Section 11B-404.2.7.
  - 1. Panic hardware: locate between 36 inches to 44 inches above the finished floor.
- B. Handles, pull, latches, locks, other operable parts:
  - 1. Readily openable from egress side with one hand and without tight grasping, tight pinching, or twisting of the wrist to operate. 2019 California Building Code Section 11B-309.4.
  - 2. Force required to activate the operable parts: 5.0 pounds maximum, per 2019 California Building Code Section 11B-309.4.
- C. Adjust doors to open with not more than 5.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors. As allowed per 2019 California Building Code Section 11B-404.2.9, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15-pounds.
  - 1. Exception: exterior doors' pressure-to-open may be increased to 8.5-pounds if: at a single location, and one of a bank of eight leafs or fraction of eight, and one leaf of this bank is fitted with a low- or high-energy operator.

- D. Adjust door closer sweep periods so that from an open position of 90 degrees, the door will take at least 5 seconds to move to a point 12 degrees from the latch, measured to the landing side of the door, per 2019 California Building Code Section 11B-404.2.8.
- E. Smooth surfaces at bottom 10 inches of push sides of doors, facilitating push-open with wheelchair footrests, per 2019 California Building Code Section 11B-404.2.10.
  - 1. Applied kickplates and armor plates: bevel the left and right edges; free of sharp or abrasive edges.
  - 1. Tempered glass doors without stiles: bottom rail may be less than 10 inches if top leading edge is tapered 60 degrees minimum.
- F. Door opening clear width no less than 32 inches, measured from face of frame stop, or edge of inactive leaf of pair of doors, to door face with door opened to 90 degrees. Hardware projection not a factor in clear width if located above 30 inches and below 80 inches, and the hardware projects no more than 4 inches. 2019 California Building Code Section 11B-404.2.3.
  - 1. Exception: doors not requiring full passage through the opening, that is, to spaces less than 24 inches in depth, may have the clear opening width reduced to 20 inches. Example: shallow closets.
  - 2. Door closers and overhead stops: not less than 78 inches above the finished floor or ground, per 2019 California Building Code 11B-307.4.
- G. Thresholds: floor or landing no more than 0.50 inches below the top of the threshold of the doorway, per 2019 California Building Code Section 11B-404.2.5. Vertical rise no more than 0.25 inches, change in level between 0.25 inches and 0.50 inches: beveled to slope no greater than 1:2 (50 percent slope). 2019 California Building Code Section 11B-303.2 & ~.3.
- H. Floor stops: Do not locate in path of travel. Locate no more than 4 inches from walls, per DSA Policy #99-08 (Access).
- I. Pairs of doors with independently-activated hardware both leaves: limit swing of right-hand or right-hand-reverse leaf to 90 degrees to protect persons reading wall-mounted tactile signage, per 2019 California Building Code Section 11B-703.4.2.
- J. Door and door hardware encroachment: when door is swung fully-open into means-of-egress path, the door may not encroach/project more than 7 inches into the required exit width, with the exception of door release hardware such as lockset levers or panic hardware. These hardware items must be located no less than 34-inches and no more than 48-inches above the floor/ground. 2019 California Building Code, Section 1005.7.1.

- K. New buildings that are included in public schools (kindergarten through 12<sup>th</sup> grade) state funded projects and receiving state funding pursuant to Leroy F. Green, School Facilities Act of 1998, California Education Code Sections 17070.10 through 17079, and that are submitted to the Division of the State Architect for plan review after July 1, 2011 in accordance with the Education Code 17075.50, shall include locks that allow doors to classrooms and any room with an occupancy of five or more persons to be locked from the inside. The locks shall conform to the specification and requirements found in Section 1010.1.9. 2019 California Building Code Section 1010.1.11

Exceptions:

1. Doors that are locked from the outside at all times such as, but not limited to, janitor's closet, electrical room, storage room, boiler room, elevator equipment room and pupil restroom.
2. Reconstruction projects that utilize original plans in accordance with California Administrative Code, Section 4-314.
3. Existing relocatable buildings that are relocated within same site in accordance with California Administrative Code, Section 4-314.

PART 2 PRODUCTS

2.1 MANUFACTURERS:

- A. Listed acceptable alternate manufacturers: these will be considered; submit for review products with equivalent function and features of scheduled products.

ITEM:	MANUFACTURER:	ACCEPTABLE ALTERNATE:
Hinges	(IVE) Ives	Owner standard
Continuous Hinges	(IVE) Ives	Owner standard
Key System	(SCH) Schlage	Owner standard
Mechanical Locks	(SCH) Schlage	Owner standard
Electronic Locks	(SCE) Schlage Electronics	Owner standard
Exit Devices	(VON) Von Duprin	Owner standard
Closers	(LCN) LCN	Owner standard
Kickplates	(IVE) Ives	Owner standard
Stops & Holders	(IVE) Ives	Owner standard
Thresholds	(ZER) Zero	Owner standard
Seals & Bottoms	(ZER) Zero	Owner standard

## 2.2 HINGING METHODS:

- A. Drawings typically depict doors at 90 degrees, doors will actually swing to maximum allowable. Use wide-throw conventional or continuous hinges as needed up to 8 inches in width to allow door to stand parallel to wall for true 180-degree opening. Advise architect if 8-inch width is insufficient.
- B. Conform to manufacturer's published hinge selection standard for door dimensions, weight and frequency, and to hinge selection as scheduled. Where manufacturer's standard exceeds the scheduled product, furnish the heavier of the two choices, notify Architect of deviation from scheduled hardware.
- C. Conventional Hinges: Steel or stainless-steel pins and approved bearings. Hinge open widths minimum, but of sufficient throw to permit maximum door swing.
  - 1. Out-swinging exterior doors: non-ferrous with non-removable (NRP) pins and security studs.
  - 2. Non-ferrous material exteriors and at doors subject to corrosive atmospheric conditions.
- D. Continuous Hinges:
  - 1. Geared-type aluminum.
    - a) Use wide-throw units where needed for maximum degree of swing, advise architect if commonly available hinges are insufficient.
    - b) If units are used at storefront openings, color-coordinate hinge finish with storefront color. Custom anodizing and custom powdercoat finishes subject to Architect approval.

## 2.3 LOCKSETS, LATCHSETS, DEADBOLTS:

- A. Mortise Locksets and Latchsets: as scheduled.
  - 1. Chassis: cold-rolled steel, handing field-changeable without disassembly.
  - 2. Universal lock case – 10 functions in one case.
  - 3. Floating mounting tabs automatically adjusts to fit a beveled door edge.
  - 4. Latchbolts: 0.75 inch throw stainless steel anti-friction type.
  - 5. Lever Trim: through-bolted, accessible design, cast lever or solid extruded bar type levers as scheduled. Filled hollow tube design unacceptable.
    - a) Spindles: security design independent breakaway. Breakage of outside lever does not allow access to inside lever's hubworks to gain wrongful entry.
    - b) Inside lever applied by screwless shank mounting – no exposed trim mount screws.
    - c) Levers rotate up or down for ease of use.
    - d) Vandalgard locks: locked lever freely rotates down while remaining securely locked. This feature prevents damage to internal lock components when subjected to excessive force.
  - 6. Furnish solid cylinder collars with wave springs. Wall of collar to cover rim of mortise cylinder.
  - 7. Turnpieces: accessible offset turn-lever design not requiring pinching or twisting motions to operate.
  - 8. Deadbolts: stainless steel 1-inch throw.

9. Strikes: 16 gage curved steel, bronze or brass with 1 inch deep box construction, lips of sufficient length to clear trim and protect clothing.
10. Scheduled Lock Series and Design: Schlage L series, 06A design.
11. Certifications:
  - a) ANSI A156.13, 1994, Grade 1 Operational.
  - b) ANSI/ASTM F476-84 Grade 31 UL Listed.
12. Accessibility: Require not more than 5 lb to retract the latchbolt or deadbolt, or both, per CBC 2019 11B-404.2.7 and 11B-309.4.
13. Accepted substitutions: None.

## 2.4 ELECTRONIC ACCESS CONTROL LOCKSETS AND EXIT DEVICE TRIM

### A. Manufacturers:

1. Scheduled Manufacturer and Product:
  - a. Schlage CO Series
2. Acceptable Manufacturers and Products:
  - a. No Substitute

### B. Requirements:

1. Provide offline electronic access control products that comply with the following requirements:
  - a. Listed, UL 294 - The Standard of Safety for Access Control System Units.
  - b. Compliant with ANSI/BHMA A156.25 Grade 1 Operation and Security.
  - c. Certified to UL10C, FCC Part15, Florida Building Code Standards TAS 201 large missile impact, TAS 202 and TAS 203.
  - d. Compliant with ASTM E330 for door assemblies.
  - e. Compliant with ICC / ANSI A117.1, NFPA 101, NFPA 80, and Industry Canada RSS-210.
2. Functions: Provide functions as scheduled that are field configurable without taking the offline electronic product off the door.
3. Emergency Override: Provide mechanical key override; cylinders: Refer to "KEYING" article, herein.
4. Levers:
  - a. Vandal Resistance: Exterior (secure side) lever rotates freely while door remains locked, preventing damage to internal lock components from vandalism by excessive force.
  - b. Provide pressure cast zinc plated, non-handed lever trim that operates independently of non-locking levers.
  - c. Style: Rhodes (RHO).
5. Power Supply: 4 AA batteries
  - a. Provide electronic access control locks and/or exit device trim with the ability to communicate battery status.

6. Features:

- a. Visual tri-colored LED indicators that indicate activation, operational systems status, system error conditions and low power conditions.
- b. Visual bi-colored LED indicator on interior that can indicate secured/unsecured status of device to occupants on interior.
- c. Audible feedback that can be enabled or disabled.
- d. Onboard processor with memory capacity of 2,000 event audit history, up to 16 time zones and up to 32 calendar events.
- e. Central verification time of less than 1 second
- f. Tamper-Resistant Screws: Tamper torx screws on inside escutcheon for increased security.

7. Access:

- a. Proximity
  - 1) 125kHz frequency with a read range up to 1.25 inches.
  - 2) Compatible credentials: 125kHz clamshell/fob, ISO card, key fob, PVC disk
  - 3) Compatible manufacturers: Schlage, ISONAS, HID, GE/CASI, AWID

8. Operation:

- a. Provide electronic access control locks and/or exit device trim with the ability to be configured at door by handheld programming device the length of time device is unlocked upon access grant.
- b. Provide electronic access control locks and/or exit device trim with the ability to communicate identifying information such as firmware versions, hardware versions, serial numbers, and manufacturing dates by handheld programming device.

## 2.5 EXIT DEVICES / PANIC HARDWARE

### A. General features:

1. Independent lab-tested 1,000,000 cycles.
2. Push-through push-pad design. No exposed push-pad fasteners, no exposed cavities when operated. Return stroke fluid dampeners and rubber bottoming dampeners, plus anti-rattle devices.
3. Deadlocking latchbolts, 0.75 inch projection.
4. End caps: impact-resistant, flush-mounted. No raised edges or lips to catch carts or other equipment.
5. No exposed screws to show through glass doors.
6. Non-handed basic device design with center case interchangeable with all functions, no extra parts required to effect change of function.
7. Releasable in normal operation with 15-pound maximum operating force per UBC Standard 10-4, and with 32-pound maximum pressure under 250-pound load to the door.
8. Accessibility: Require not more than 5 lb to retract the latchbolt, per CBC 2019 11B-404.2.7 and 11B-309.4.
  - a) Mechanical method: Von Duprin "AX-" feature, where touchpad directly retracts the latchbolt with 5 lb or less of force. Provide testing lab certification confirming that the mechanical device is independent third-party tested to meet this 5 lb requirement.

- B. Specific features:
1. Non-Fire Rated Devices: cylinder dogging with security indicator.
  2. Lever Trim: breakaway type, forged brass or bronze escutcheon min. 0.130 inch thickness, compression spring drive, match lockset lever design.
  3. Accepted substitutions: None.

## 2.6 CLOSERS

- A. Surface Closers: 4011/4111
1. Full rack-and-pinion type cylinder with removable non-ferrous cover and cast iron body. Double heat-treated pinion shaft, single piece forged piston, chrome-silicon steel spring.
  2. ISO 2000 certified. Units stamped with date-of-manufacture code.
  3. Independent lab-tested 10,000,000 cycles.
  4. Non-sized and adjustable. Place closers inside building, stairs and rooms.
  5. Plates, brackets and special templating when needed for interface with particular header, door and wall conditions and neighboring hardware.
  6. Advanced Variable Backcheck (AVB): where scheduled, these units commence backcheck at approximately 45 degrees.
  7. Adjust doors to open with not more than 5.0-pounds pressure to open at exterior doors and 5.0-pounds at interior doors. As allowed per 2019 California Building Code Section 11B-404.2.9, local authority may increase the allowable pressure for fire doors to achieve positive latching, but not to exceed 15-pounds.
    - a) Exception: exterior doors' pressure-to-open may be increased to 8.5-pounds if: at a single location, and one of a bank of eight leafs or fraction of eight, and one leaf of this bank is fitted with a low- or high-energy operator.
  8. Separate adjusting valves for closing speed, latching speed and backcheck, fourth valve for delayed action where scheduled.
  9. Extra-duty arms (EDA) at exterior doors scheduled with parallel arm units. EDA arms: rigid main and forearm, reinforced elbow.
  10. Exterior door closers: tested to 100 hours of ASTM B117 salt spray test, furnish data on request.
  11. Exterior doors: seasonal adjustments not required for temperatures form 120 degrees F to -30 degrees F, furnish checking fluid data on request.
  12. Non-flaming fluid, will not fuel door or floor covering fires.
  13. Pressure Relief Valves (PRV) not permitted.
  14. Accepted substitutions: None.

## 2.7 OTHER HARDWARE

- A. Kick Plates: Four beveled edges, .050 inches minimum thickness, height and width as scheduled. Sheet-metal screws of bronze or stainless steel to match other hardware.
- B. Door Stops: Provide stops to protect walls, casework or other hardware.



1. Unless otherwise noted in Hardware Sets, provide floor type with appropriate fasteners. Where floor type cannot be used, provide wall type. If neither can be used, provide overhead type.
- C. Seals: Four-fingered type at head & jambs. Inelastic, rigid back, not subject to stretching. Self-compensating for warp, thermal bow, door settling, and out-of-plumb. Adhesive warranted for life of installation.
1. Proposed substitutions: submit for approval.
  2. Three-fingered type at hinge jambs of doors fitted with continuous hinges where jamb leaf of hinge is fastened to the frame reveal.
- D. Thresholds: As scheduled and per details. Comply with CBC 2019 11B-404.2.5. Substitute products: certify that the products equal or exceed specified material's thickness. Proposed substitutions: submit for approval.
1. Saddle thresholds: 0.125 inches minimum thickness.
  2. Exteriors: Seal perimeter to exclude water and vermin. Use sealant complying with requirements in Division 7 "Thermal and Moisture Protection". Minimum 0.25 inch diameter fasteners and lead expansion shield anchors, or Red-Head #SFS-1420 (or approved equivalent) Flat Head Sleeve Anchors. National Guard Products' "COMBO" or Pemko Manufacturing's "FHSL".
  3. Plastic plugs with wood or sheet metal screws are not an acceptable substitute for specified fastening methods.
  4. Fasteners: Generally, exposed screws to be Phillips or Robertson drive. Pinned TORX drive at high security areas. Flat head sleeve anchors (FHSL) may be slotted drive. Sheet metal and wood screws: full-thread. Sleeve nuts: full length to prevent door compression.
- E. Through-bolts: Do not use. Coordinate with wood doors; ensure provision of proper blocking to support wood screws for mounting panic hardware and door closers. Coordinate with metal doors and frames; ensure provision of proper reinforcement to support machine screws for mounting panic hardware and door closers.
1. Exception: surface-mounted overhead stops, holders, and friction stays.

## 2.8 FINISH:

- A. Generally: BHMA 626 Satin Chromium.
1. Areas using BHMA 626: furnish push-plates, pulls and protection plates of BHMA 630, Satin Stainless Steel, unless otherwise scheduled.
- B. Door closers: factory powder coated to match other hardware, unless otherwise noted.

## 2.9 KEYING REQUIREMENTS:

- A. Key System: Schlage Classic Primus high-security utility-patented keyway, interchangeable core throughout. Utility patent protection to extend at least until 2014. Key blanks available only from factory-direct sources, not available from after-market key blank manufacturers. For estimate use factory GMK charge. Initiate and conduct meeting(s) with Owner and Allegion representatives to determine system keyway(s), keybow styles, structure, stamping, degree of physical security and degree of geographic exclusivity. Furnish Owner's written approval of the system; do not order keys or cylinders without written confirmation of actual requirements from the Owner. Modular contractor will install permanent cylinders/cores.
1. Existing factory-registered master key system.
  2. Primus Level 3G
  3. Construction keying: furnish temporary keyed-alike cores. Remove at substantial completion and install permanent cylinders/cores in Owner's presence. Demonstrate that construction key no longer operates.
  4. Temporary cylinders/cores remain supplier's property.
  5. Furnish 10 construction keys, unless otherwise instructed by Owner.
  6. Furnish 2 construction control keys, unless otherwise instructed by Owner.
  7. Furnish 2 Emergency keys per each L9485 Faculty Restroom Lock
  8. Key Cylinders: furnish 6-pin solid brass construction, unless otherwise instructed by Owner.
- B. Cylinders/cores: keyed at factory of lock manufacturer where permanent records are maintained. Locksets and cylinders same manufacturer.
- C. Permanent keys: use secured shipment direct from point of origination to Owner.
1. For estimate: 3 keys per change combination, 5 master keys per group, 5 grand-master keys, 3 control keys, unless otherwise instructed by Owner.
  2. For estimate: VKC stamping plus "DO NOT DUPLICATE".
- D. Bitting List: use secured shipment direct from point of origination to Owner at completion.

## PART 3 - EXECUTION

### 3.1 ACCEPTABLE INSTALLERS:

- A. Can read and understand manufacturers' templates, suppliers' hardware schedule and printed installation instructions. Can readily distinguish drywall screws from manufacturers' furnished fasteners. Available to meet with manufacturers' representatives and related trades to discuss installation of hardware.

### 3.2 PREPARATION:

- A. Ensure that walls and frames are square and plumb before hardware installation. Make corrections before commencing hardware installation. Installation denotes acceptance of wall/frame condition.
- A. Locate hardware per SDI-100 and applicable building, fire, life-safety, accessibility, and security codes.

1. Notify Architect of code conflicts before ordering material.
1. Locate latching hardware between 34 inches to 44 inches above the finished floor, per California Building Code, Section 1008.1.9.2 and 11B-404.2.7.
2. Locate panic hardware between 36 inches to 44 inches above the finished floor.

### 3.3 INSTALLATION

- A. Install hardware per manufacturer's instructions and recommendations. Do not install surface-mounted items until finishes have been completed on substrate. Set units level, plumb and true to line and location. Adjust and reinforce attachment substrate for proper installation and operation. Remove and reinstall or replace work deemed defective by Architect.
  1. Gaskets: install jamb-applied gaskets before closers, overhead stops, rim strikes, etc; fasten hardware over and through these seals. Install sweeps across bottoms of doors before astragals, cope sweeps around bottom pivots, trim astragals to tops of sweeps.
  2. Use manufacturers' fasteners furnished with hardware items, or submit Request for Substitution with Architect.
  3. Replace fasteners damaged by power-driven tools.
- B. Locate floor stops no more than 4 inches from walls and not within paths of travel. See paragraph 2.2 regarding hinge widths, door should be well clear of point of wall reveal. Point of door contact no closer to the hinge edge than half the door width. Where situation is questionable or difficult, contact Architect for direction.

### 3.4 ADJUSTING

- A. Adjust and check for proper operation and function. Replace units, which cannot be adjusted to operate freely and smoothly.
  1. Hardware damaged by improper installation or adjustment methods: repair or replace to Owner's satisfaction.
  2. Adjust doors to fully latch with no more than 1 pound of pressure.
    - a) Door closer valves: turn valves clockwise until at bottom – do not force. Turn valves back out one and one-half turns and begin adjustment process from that point. Do not force valves beyond three full turns counterclockwise.
  3. Adjust door closers per 1.9 this section.
- B. Final inspection: Installer to provide letter to Owner that upon completion installer has visited the Project and has accomplished the following:
  1. Has re-adjusted hardware.
  2. Has evaluated maintenance procedures and recommend changes or additions and instructed Owner's personnel.
  3. Has identified items that have deteriorated or failed.
  4. Has submitted written report identifying problems.

### 3.5 DEMONSTRATION:

- A. Demonstrate mechanical hardware and electrical, electronic and pneumatic hardware systems, including adjustment and maintenance procedures.

### 3.6 PROTECTION/CLEANING:

- A. Cover installed hardware, protect from paint, cleaning agents, weathering, carts/barrows, etc. Remove covering materials and clean hardware just prior to substantial completion.
- B. Clean adjacent wall, frame and door surfaces soiled from installation / reinstallation process.











### 3.7 SCHEDULE OF FINISH HARDWARE

- A. See door schedule in drawings for hardware set assignments.
- B. Do not order material until submittal has been reviewed, stamped, and signed by Architect's door hardware consultant.
- C. The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

Opt. #: OPT0232569-V2

#### HARDWARE GROUP NO. 01

Provide each SGL door(s) with the following:

1	EA	CONT. HINGE	112XY		628	IVE
1	EA	CLASSROOM SECURITY	LV9071T 06N L283-711		626	SCH
2	EA	PRIMUS CORE	20-740		626	SCH
1	EA	LOCK GUARD	LG12		630	IVE
1	EA	SURFACE CLOSER	4111 AVB EDA		689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS		630	IVE
1	EA	FLOOR STOP	FS18L/FS18S AS REQ'D		BLK	IVE
1	SET	GASKETING	429AA-S		AA	ZER
1	EA	DOOR SWEEP	39A		A	ZER
1	EA	THRESHOLD	547A-223 OR AS DETAILED		A	ZER

HARDWARE GROUP NO. 02

Provide each SGL door(s) with the following:

3	EA	HINGE	3CB1HW 4.5 X 4.5	652	IVE
1	EA	STOREROOM LOCK	LV9080T 06N	626	SCH
1	EA	PRIMUS CORE	20-740	626	SCH
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS436/FS438 AS REQ'D	626	IVE
1	SET	GASKETING	429AA-S	AA	ZER

HARDWARE GROUP NO. 03

Provide each SGL door(s) with the following:

1	EA	CONT. HINGE	112XY	628	IVE
1	EA	PANIC HARDWARE	CDSI-PA-AX-98-L-06	630	VON
1	EA	RIM CYLINDER	20-057 ICX	626	SCH
1	EA	MORTISE CYLINDER	20-061 ICX XQ11-948 36-083	626	SCH
2	EA	PRIMUS CORE	20-740	626	SCH
1	EA	SURFACE CLOSER	4111 AVB EDA	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	EA	FLOOR STOP	FS18L/FS18S AS REQ'D	BLK	IVE
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	547A-223 OR AS DETAILED	A	ZER

HARDWARE GROUP NO. 04

Provide each SGL door(s) with the following:

1	EA	CONT. HINGE	112XY	628	IVE
1	EA	PRIVACY INDICATOR LOCK	LV9456T 06N L583-363 L283-722	626	SCH
1	EA	FSIC CORE	30-120	626	SCH
1	EA	LOCK GUARD	LG12	630	IVE
1	EA	SURFACE CLOSER	4111 AVB SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	547A-223 OR AS DETAILED	A	ZER

HARDWARE GROUP NO. 05

Provide each SGL door(s) with the following:

1	EA	CONT. HINGE	112XY	628	IVE
1	EA	ELEC PRIVACY LOCK	CO-200-MS-40-PR-RHO-J 4B BATTERY OPERATED	626	SCE
1	EA	PRIMUS CORE	20-740	626	SCH
1	EA	FSIC CORE	23-030 ICX	622	SCH
1	EA	LOCK GUARD	LG12	630	IVE
1	EA	SURFACE CLOSER	4111 AVB SCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	547A-223 OR AS DETAILED	A	ZER

HARDWARE GROUP NO. 06

Provide each SGL door(s) with the following:

1	EA	CONT. HINGE	112XY	628	IVE
1	EA	STOREROOM LOCK	LV9080T 06N	626	SCH
1	EA	PRIMUS CORE	20-740	626	SCH
1	EA	LOCK GUARD	LG12	630	IVE
1	EA	SURFACE CLOSER	4111 AVB SHCUSH	689	LCN
1	EA	KICK PLATE	8400 10" X 2" LDW B-CS	630	IVE
1	SET	GASKETING	429AA-S	AA	ZER
1	EA	DOOR SWEEP	39A	A	ZER
1	EA	THRESHOLD	547A-223 OR AS DETAILED	A	ZER

HARDWARE GROUP NO. MISC

Provide each SGL door(s) with the following:

1	EA	MULTITECH ENROLLMENT READER	MT20 USB	BLK	SCE
1	EA	CREDENTIAL	7510 SPV	GWT	SCE
1	EA	SCHLAGE READER	SXPR-SFT-1		SCE
1	EA	ACCESSORIES	SUS-A-CABLE-47282796		SCE

END OF SECTION

**Catalog Cuts**

For

**Tropico Middle School Expansion Project**

**Sorted By DHI Sequence**

**Prepared By**

**David Harder**

**Created On 11/9/2021**

Generated By



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**112XY Full Mortise - Narrow Frame and Door Leaf**

UL10C certified

Meets ANSI 156.26 for 150 lbs and 300 lbs.

- For 1 3/4" Doors
- Patented center loaded, interlocking bearing design
- Non Handed for custom cut lengths
- Flush Mounted, No inset
- 48" Maximum Door Width
- Beveled or Square Edge Doors
- Frame guidance lip is extended further for retrofit applications to cover existing heavy weight architectural hinge preps
- For doors weighing up to 450 pounds without reinforcing, 600 pounds with reinforcing
- For lead-lined application consult factory for engineering specials

Standard lengths 83", 85", 95", 119"

Standard Mounting Hardware

12-24 x 3/4" Steel Self Drilling / Self Tapping Phillips Head Screw

Finishes

Clear Anodized (US28), Dark Bronze Anodized (313AN)

Custom Anodizing and Painting are available, consult factory

Options:

HT	Hospital Tip
EPT	Electric Power Transfer
TWP CON	Electrical Through Wire Panel with Allegion Connect

Optional Mounting Hardware:

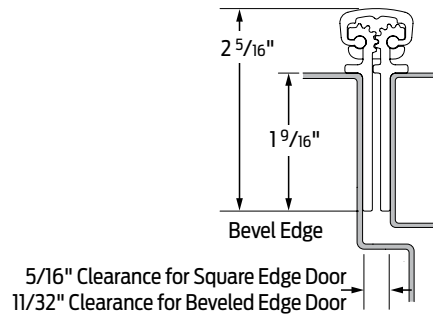
TEK/WD	1/2 Self Drill, Self Tap 1/2 Wood
WD	Wood Door and Frame

Available Accessory Kits:

- Security Screws - Hollow Metal
- Security Screws - Wood
- Thread Forming Screws

For Single Door Applications

For pairs of doors see chart and general information





Meets ANSI/BHMA A156.1  
A8133 – Steel  
A5133 – Stainless Steel  
A2133 – Brass

**3PB1 3 Knuckle, Plain Bearing Full Mortise Hinge**

- For standard weight doors
- Low frequency usage
- Packed with wood and metal screws

*Not for use with a door closer.*

**Options**

- NRP, Non-Removable Pin
- SH, Security Stud
- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fasteners - Pin-in-Socket

**Dimensions**

Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	90 x 90	0.134
4 x 4	102 x 102	0.134
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134
5 x 4.5	127 x 114	0.134



Meets ANSI/BHMA A156.1  
A8112 – Steel  
A5112 – Stainless Steel  
A2112 – Brass

**3CB1 3 Knuckle, Concealed Bearing Full Mortise Hinge**

- For standard weight doors
- Medium frequency usage
- Packed with wood and metal screws

**Options**

- NRP, Non-Removable Pin
- SH, Security stud
- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fasteners - Pin-in-Socket

**Dimensions**

Size (Inches)	Size (mm)	Gauge
3.5 x 3.5	90 x 90	0.134
4 x 4	102 x 102	0.134
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134
5 x 4.5	127 x 114	0.134

**Finishes brass**

Ives Finish	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	605	606	612	613	614	616	619	625	626

**Finishes steel**

Ives Finish	USP	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	600	632	633	639	640	641	643	646	651	652

**Finishes stainless steel**

Ives Finish	US32	US32D
BHMA	629	630



### 3CB1HW 3 Knuckle, Concealed Bearing Full Mortise Hinge

- For heavy weight doors
- High frequency usage
- Packed with wood and metal screws

#### Options

- NRP, Non-Removable Pin
- SH, Security stud
- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fastners - Pin-in-Socket

#### Dimensions

Size (Inches)	Size (mm)	Gauge
4.5 x 4	114 x 102	0.180
4.5 x 4.5	114 x 114	0.180
5 x 4.5	127 x 114	0.190
5 x 5	127 x 127	0.190

Meets ANSI/BHMA A156.1  
A8112 – Steel  
A5112 – Stainless Steel  
A2112 – Brass



### 3SP1 3 Knuckle Spring Full Mortise Hinge

- For automatic closing of doors
- Packed with wood and metal screws

#### Options

- HT, Hospital Tip
- RC, Round Corners - 1/4" or 5/8" Radius
- SEC, Security Fastners - Pin-in-Socket

#### Dimensions

Size (Inches)	Size (mm)	Gauge
4 x 4	102 x 102	0.134
4.5 x 4	114 x 102	0.134
4.5 x 4.5	114 x 114	0.134

Meets ANSI/BHMA A156.7  
K81071F – Steel  
K51071F – Stainless Steel  
UL listed for use with fire rated doors

#### Finishes *brass*

Ives Finish	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	605	606	612	613	614	616	619	625	626

#### Finishes *steel*

Ives Finish	USP	US3	US4	US10	US10B	US10A	US11	US15	US26	US26D
BHMA	600	632	633	639	640	641	643	646	651	652

#### Finishes *stainless steel*

Ives Finish	US32	US32D
BHMA	629	630



## Grade 1, mortise locks

# L Series

### Overview

The Schlage® L Series has long been the benchmark for Grade 1 mortise locks. Beyond strength and security – it offers flexibility to meet most needs. Fifty mechanical functions include ten that can be field configured from one universal lock case and ten electrified functions are regularly used as part of electronic access control systems. L Series locks have the ability to suite across electronic, tubular, exit trim, and multi-point locks to integrate seamlessly into any environment. The series features an array of security options including 180-degree visibility status indicators and support for multiple keyway families and cylinder types including Primus® XP high-security cylinders.



### Finishes



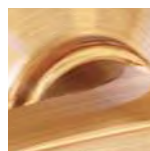
**605**  
Bright Brass



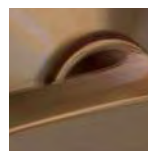
**606**  
Satin Brass



**609**  
Antique Brass



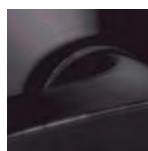
**612**<sup>1</sup>  
Satin Bronze



**613**<sup>1</sup>  
Oil Rubbed  
Bronze



**619**  
Satin Nickel



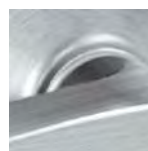
**622**  
Matte Black



**625**  
Bright Chrome



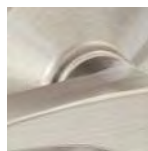
**626**  
Satin Chrome



**626AM**  
Satin Chrome,  
Antimicrobial



**629**<sup>2</sup>  
Bright Stainless



**630**<sup>2</sup>  
Satin Stainless



**630AM**<sup>2</sup>  
Satin Stainless,  
Antimicrobial



**643e**  
Aged Bronze

<sup>1</sup> Available on standard levers only, not available on Latitude, Longitude, Accent, Asti, or Merano

<sup>2</sup> Not available on Accent, Asti, or Merano



M Collection decorative lever styles<sup>1</sup>



**M51**  
851 - Knurled tactile warning



**M52**  
852 - Knurled tactile warning



**M53**



**M54**



**M55**



**M56**



**M57<sup>2</sup>**



**M61**  
■ Handed



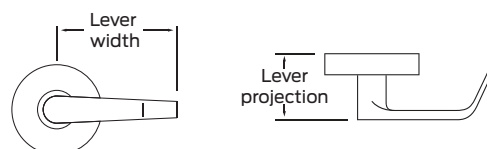
**M62<sup>2</sup>**  
■ Handed



**M63**  
■ Handed

**Dimensions**

Lever	Width	Projection
M51	4.5"	3.2"
M52	4.5"	3"
M53	4.35"	3.2"
M54	4.35"	2.75"
M55	4.3"	3"
M56	4.6"	3"
M57	4.5"	2.9"
M61	4.5"	3.2"
M62	4.5"	2.7"
M63	4.5"	3.2"



<sup>1</sup> M Collection not available in 612 and 613 finishes.

<sup>2</sup> Available in 629, 630, and 630AM only.



M Collection decorative lever styles<sup>1</sup>



**M81**  
881 - Knurled tactile warning



**M82**



**M83**



**M84**



**M85**  
■ Handed



**ME1**  
8ME1 - Milled tactile warning  
■ Handed



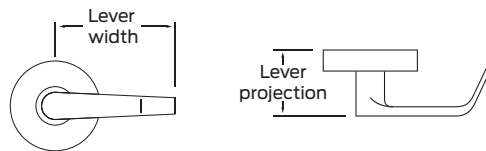
**ME2**  
8ME2 - Milled tactile warning  
■ Handed



**ME3**  
8ME3 - Milled tactile warning

**Dimensions**

Lever	Width	Projection
M81	4.8"	2.9"
M82	4.8"	2.9"
M83	4.6"	2.9"
M84	5.1"	3"
M85	4.9"	3.3"
ME1	5.5"	3"
ME2	5.2"	2.8"
ME3	5.1"	3.2"



Return to door meets 1/2" requirement for all levers shown on this page.

<sup>1</sup>ME1, ME2 and ME3 ergonomic levers designed with Gensler as product design consultant.

Standard lever and knob styles



01  
801 - Milled tactile warning



02  
802 - Knurled tactile warning



03  
803 - Knurled tactile warning



05  
805 - Milled tactile warning



06  
806 - Milled tactile warning



07  
807 - Milled tactile warning



12  
812 - Milled tactile warning  
■ Handed



17  
817 - Milled tactile warning



18  
818 - Milled tactile warning

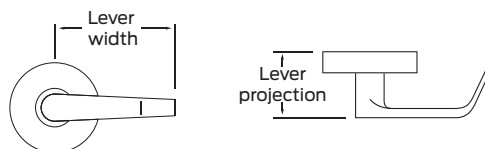


Accent (ACC)<sup>1</sup>  
■ Handed

Dimensions

Lever	Width	Projection
01	3.875"	2.688"
02	4.75"	2.813"
03	4.75"	2.813"
05	3.75"	2.875"
06	4.625"	2.5"
07	4.625"	2.875"
12	4.625"	3.063"
17	4.75"	3"
18	4.875"	2.688"
Accent (ACC)	4.125"	3.125"

Return to door meets 1/2" requirement for 03, 06 and 17 levers.



<sup>1</sup> Not available in 612, 613, 629, or 630 finishes.



Standard lever and knob styles



**Asti (AST)<sup>1</sup>**  
 ■ Handed



**Latitude (LAT)<sup>2</sup>**



**Longitude (LON)<sup>2</sup>**



**Merano (MER)<sup>1</sup>**  
 ■ Handed



**Omega (OME)**



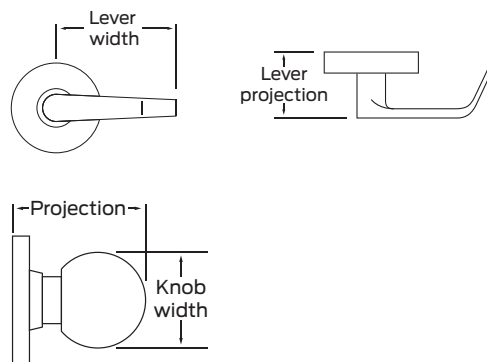
**41**



**42**

**Dimensions**

Lever	Width	Projection
Asti (AST)	4"	2.625"
Latitude (LAT)	4.75"	2.563"
Longitude (LON)	4.875"	2.563"
Merano (MER)	4"	3.125"
Omega (OME)	5.063"	3.313"
41	2.211"	2.34"
42	2.132"	2.538"



Return to door meets 1/2" requirement for Longitude and Omega levers.

<sup>1</sup> Not available in 612, 613, 629, or 630 finishes.

<sup>2</sup> Not available in 612 or 613 finishes.



**Escutcheons**



**L full face**  
Specify by adding 'L' after lever design.



**L concealed**  
Specify by adding 'C' suffix to function and by adding 'L' after lever design.



**N full face**  
Specify by adding 'N' after lever design.

**Roses**



**A rose**  
Available for use on L Series knob and lever designs. Specify by adding 'A' after lever design  
**Finishes:** available in all L Series finishes.



**B rose**  
Available for use on L Series knob and lever designs. Specify by adding 'B' after lever design.  
**Finishes:** available in all L Series finishes.



**C rose**  
Available for use on L Series knob and lever designs. Specify by adding 'C' after lever design.  
**Finishes:** 605, 606, 609, 619, 622, 625, 626, 629, 630, 643e



**AVA rose**  
Available for use on ACC lever, other levers upon request.  
**Finishes:** 605, 606, 609, 619, 622, 625, 626, 643e

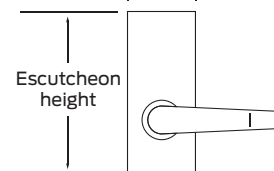
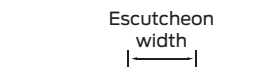


**MER rose**  
Available for use on MER lever, other levers upon request.  
**Finishes:** 605, 606, 609, 619, 622, 625, 626, 643e

**Dimensions**

Rose	Diameter
A	2.125"
B	2.5625"
C	2.625"
AVA	2.625"
MER	2.625"

Escutcheon	Width	Height
L full face	1.75"	8"
L concealed	1.75"	8"
N full face	2.5"	7.875"



Thumbturns



Standard turn  
09-509



ADA turn  
09-509 x L583-363  
Not available with L9463  
and L463

Indicators



Cylinder



Thumbturn



Cointurn



Emergency key indicator



Cylinder



Thumbturn



Cointurn



Emergency key indicator

	Locked Unlocked	Occupied Unoccupied	Do Not Disturb	 
Inside trim	L283-711	L283-712	L283-713	L283-714
Outside trim	L283-721	L283-722	L283-723	L283-724



Ligature resistant solutions



SL1<sup>1,2</sup>



SK1<sup>1,2</sup>



HSLR<sup>2,3</sup>

■ Handed

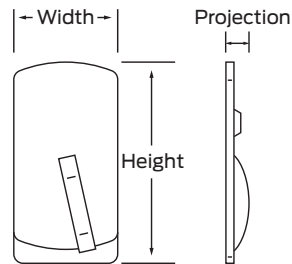
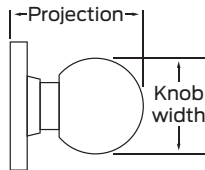
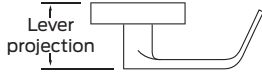
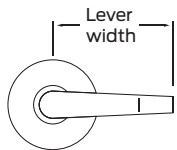
Specifications and certifications

	SL1	SK1	HSLR
Accepted by OHM	■	■	■
ADA compliant	■	-	■
Suitable for:			
High risk areas	-	■	■
Medium risk areas	■	■	■
Low risk areas	■	■	■

Caution: Cone shaped door knobs and thumbturns do not comply with ADA requirements for graspability.

Dimensions

	Width	Height	Projection
SL1	4.5"		3.13"
SK1	3.125"		2.3125"
HSLR	6"	13.17"	2.27"



<sup>1</sup> Only available in 630 and 630AM finishes.

<sup>2</sup> Not available with Vandlgard option.

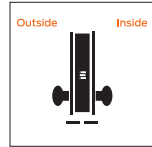
<sup>3</sup> Only available in 630 finish.



Vandlgard® protection available on functions noted with an “LV” option.

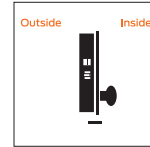
Vandlgard allows the outside lever to rotate freely down when locked to limit the ability of vandals to apply excessive force to the chassis helping to prevent damage to internal components.

Non-keyed functions



Schlage L9010  
ANSI F01  
Passage latch

- Latchbolt retracted by lever/knob from either side at all times
- Inside lever always free for immediate egress

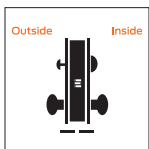


Schlage L9025  
ANSI F31  
Exit lock

- No outside trim
- Inside lever always free for immediate egress



Optional HSLR trim available

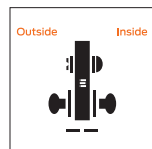


Schlage L9040  
LV9040  
ANSI F22  
Bath/bedroom privacy lock

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn
- Actuating inside lever or closing door unlocks outside lever
- To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



Schlage L9044  
LV9044  
ANSI -  
Privacy with coin turn outside

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by inside thumbturn or outside coin turn
- Actuating inside lever, closing door, or rotating outside coin turn unlocks outside lever
- Available in rose trim only



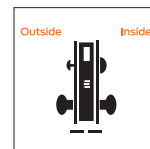
Coin turn for lock with rose trim



Optional 180 degree messaging indicator available



Optional HSLR trim available



Schlage L9440  
LV9440  
ANSI F19  
Privacy with deadbolt

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuated by inside thumbturn
- Throwing deadbolt locks outside knob/lever
- Inside lever retracts both deadbolt and latchbolt and unlocks outside lever
- To unlock from outside remove emergency button, insert emergency thumbturn in access hole and rotate
- Inside lever always free for immediate egress

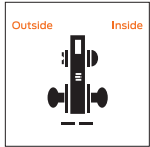


Optional 180 degree messaging indicator available





Non-keyed functions



Schlage L9444  
LV9444

ANSI -

Privacy with deadbolt and  
coin turn outside

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuated by inside thumbturn or outside coin turn
- Throwing deadbolt locks outside knob/lever
- Inside lever retracts both deadbolt and latchbolt and unlocks outside lever
- Rotating coin turn retracts deadbolt and unlocks outside lever
- Inside lever always free for immediate egress
- Available with rose trim only



Coin turn for lock with rose trim



Optional 180 degree messaging indicator available

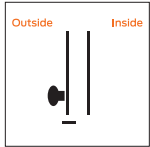


Optional HSLR trim available



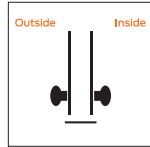


Non-keyed dummy functions



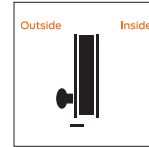
Schlage L0170  
ANSI -  
Half dummy trim

- Fixed lever/knob on one side



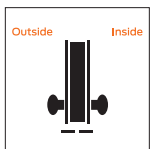
Schlage L0172  
ANSI -  
Full dummy trim

- Fixed lever/knob on both sides



Schlage L9175  
ANSI -  
Half dummy trim with lock case

- Fixed lever/knob on one side
- Includes lock case and blank armor plate



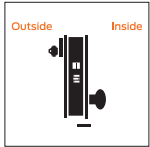
Schlage L9176  
ANSI -  
Full dummy trim with lock case

- Fixed lever/knob on both sides
- Includes lock case and blank armor plate

In a double-door application where the dummy will be used as the strike order 10-091 armored front strike separately.

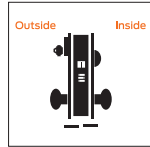


Single cylinder non-deadbolt functions



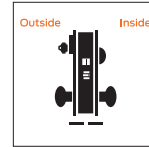
**Schlage L9026**  
ANSI -  
**Exit lock with cylinder**

- No outside trim
- Outside cylinder retracts latchbolt
- Inside lever always free for immediate egress
- Auxiliary latch deadlocks latchbolt when door is locked



**Schlage L9050**  
LV9050  
ANSI F04  
**Office and inner entry lock**

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by turning inside thumbturn
- When outside is locked, latchbolt is retracted by key outside or by knob/lever inside
- Outside knob/lever remains locked until thumbturn is returned to vertical or unlocked by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



**Schlage L9056**  
LV9056  
ANSI -  
**L9050 with automatic unlocking**

- Latchbolt retracted by knob/lever from either side unless outside is made inoperative by key outside or by rotating inside thumbturn
- Outside knob/lever unlocked by key outside, thumbturn or closing door
- Rotating inside knob/lever simultaneously retracts latchbolt and unlocks outside knob/lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



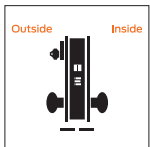
Optional HSLR trim available



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9070**  
LV9070  
ANSI F05  
**Classroom lock**

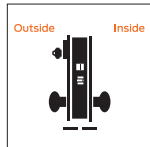
- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- Unlocked from outside by key
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional 180 degree messaging indicator available

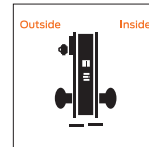


Optional HSLR trim available



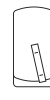
**Schlage L9076**  
LV9076  
ANSI F06  
**Classroom holdback lock**

- Latchbolt retracted by lever/knob from either side unless outside lever is locked by key
- When locked, latchbolt retracted by key or inside lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Holdback feature activated by turning inside lever/knob and rotating key 360°
- Inside lever always free for immediate egress



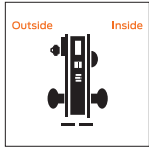
**Schlage L9080**  
LV9080  
ANSI F07  
**Storeroom lock**

- Latchbolt retracted by lever/knob inside or key outside
- Outside lever/knob is always inoperable
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available

Single cylinder deadbolt functions

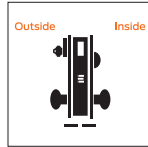


**Schlage L9453**  
**LV9453**  
**ANSI F20**  
**Entrance lock**

- Latchbolt retracted by lever/knob from either side unless outside locked by 20° thumbturn rotation
- Deadbolt actuation through 90° thumbturn rotation
- When locked, outside key or inside lever/knob retracts both deadbolt and latchbolt
- Outside lever/knob locked until thumbturn is restored to vertical position
- Throwing deadbolt locks outside lever/knob
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available

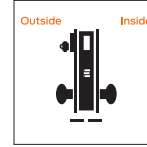


**Schlage L9456**  
**LV9456**  
**ANSI F13**  
**Corridor lock**

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by key or thumbturn rotation
- Throwing deadbolt locks outside lever/knob
- Turning inside knob/lever retracts both deadbolt and latchbolt and unlocks outside lever/knob
- Inside lever always free for immediate egress



Optional HSLR trim available

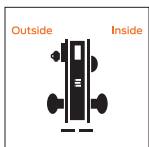


**Schlage L9465**  
**ANSI -**  
**Closet/storeroom lock**

- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by key



Optional HSLR trim available



**Schlage L9473**  
**ANSI F21**  
**Dormitory/bedroom lock**

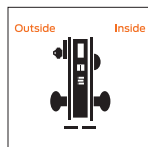
- Latchbolt retracted by lever/knob from either side
- Deadbolt actuation by outside key or inside thumbturn



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9480**  
**LV9480**  
**ANSI -**  
**Storeroom lock with deadbolt**

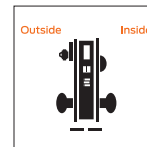
- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by outside key or inside thumbturn
- Inside knob/lever actuation retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional 180 degree messaging indicator available



Optional HSLR trim available



**Schlage L9485**  
**LV9485**  
**ANSI -**  
**Faculty/hotel/restroom lock**

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- All keys (except emergency) inoperative when deadbolt is thrown
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional 180 degree messaging indicator available

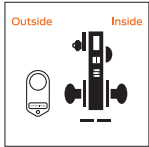


Optional HSLR trim available



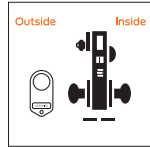


Single cylinder deadbolt functions



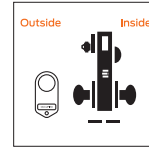
Schlage L9486  
LV9486  
ANSI F15  
L/LV9485 with 09-611  
"DO NOT DISTURB"  
indicator for rose trim

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- When deadbolt is thrown "DO NOT DISTURB" message is displayed and all keys (except emergency) become inoperative
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9486xL583-375  
LV9486xL583-375  
ANSI -  
L/LV9485 with "OCCUPIED"  
indicator for rose trim

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always fixed
- Deadbolt actuation by thumbturn
- When deadbolt is thrown "OCCUPIED" message is displayed and all keys (except emergency) become inoperative
- Inside knob/lever retracts both deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9496  
ANSI -  
Privacy with 09-611  
"OCCUPIED" indicator for  
rose trim

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuation by outside key or inside thumbturn
- Thrown deadbolt displays "OCCUPIED" message and locks outside lever
- Inside knob/lever retracts both deadbolt and latchbolt and unlocks outside lever
- Inside lever always free for immediate egress



Adds hotel occupancy indicator (09-611) for lock with A or B roses on sectional trim. Message: "DO NOT DISTURB".



Adds hotel occupancy indicator (09-611) for lock with A or B roses on sectional trim. Message: "OCCUPIED".

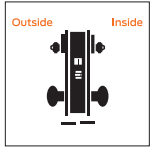


Adds hotel occupancy indicator (09-611) for lock with A or B roses on sectional trim. Message: "OCCUPIED".





Double cylinder non-deadbolt functions

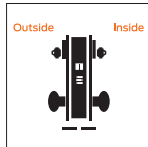


Schlage L9060  
LV9060  
ANSI F09  
Apartment entrance lock

- Latchbolt retracted by knob/lever from either side unless outside is locked by key from inside
- When locked, latchbolt retracted by key outside or knob/lever inside
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever is always free for immediate egress



Optional 180 degree messaging indicator available



Schlage L9071  
LV9071  
ANSI F32  
Classroom security lock

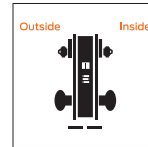
- Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side
- When locked, latchbolt retracted by outside key or inside knob/lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside knob/lever always free for immediate egress



Optional 180 degree messaging indicator available



Optional HSLR trim available

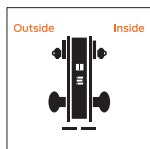


Schlage L9077  
LV9077  
ANSI -  
Classroom security holdback lock

- Latchbolt retracted by knob/lever from either side unless outside is locked by key from either side
- When locked, latchbolt retracted by key outside or knob/lever inside
- Auxiliary latch deadlocks latchbolt when door is locked
- Rotate inside lever/knob and turn key 360° to enable holdback feature
- Inside knob/lever always free for immediate egress



Optional 180 degree messaging indicator available



Schlage L9082  
LV9082  
ANSI F30  
Institution lock

- Latchbolt retracted by key from either side
- Knob/lever on both sides always inoperative
- Auxiliary latch deadlocks latchbolt when door is locked

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

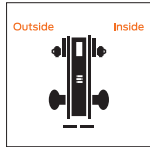


Optional HSLR trim available





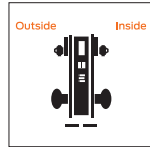
Double cylinder deadbolt functions



Schlage L9457  
LV9457  
ANSI F33

Classroom security lock  
with deadbolt

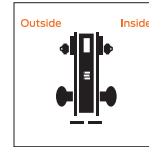
- Latchbolt retracted by lever/knob from either side
- Deadbolt actuated by either key
- Throwing deadbolt locks outside lever/knob
- Actuating inside lever/knob retracts both deadbolt and latchbolt and unlocks outside lever
- Inside lever always free for immediate egress



Schlage L9458  
LV9458  
ANSI F34

Classroom security lock  
w/deadbolt and auxiliary  
latch

- Latchbolt retracted by knob/lever from either side
- Deadbolt actuated by either key
- When door is locked outside lever inoperative
- Inside lever retracts deadbolt and latchbolt and unlocks outside lever
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Schlage L9466  
ANSI F14

Store/utility room lock  
with deadbolt

- Latchbolt retracted by knob/lever from either side
- Deadbolt thrown or retracted by key from either side

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional HSLR trim available



Optional 180 degree messaging  
indicator available

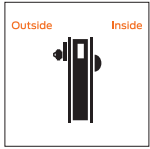


Optional HSLR trim available





Mortise deadlock functions

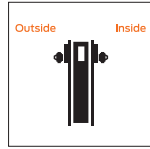


Schlage L9460  
ANSI F17  
Cylinder x thumbturn lock

- Deadbolt actuated by key or thumbturn



Optional 180 degree messaging indicator available



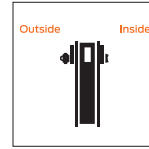
Schlage L9462  
ANSI F16  
Double cylinder lock

- Deadbolt actuated by either key

Caution: Double cylinder locks on any door, in any structure, requiring the use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

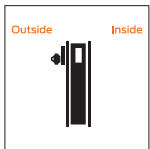


Schlage L9463  
ANSI F29  
Classroom lock

- Deadbolt actuated by key
- Thumbturn retracts deadbolt but cannot extend it



Optional 180 degree messaging indicator available



Schlage L9464  
ANSI F18  
Cylinder lock

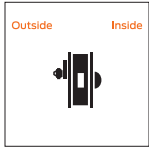
- Deadbolt actuated by key
- No trim opposite side



Optional 180 degree messaging indicator available



Small mortise deadlock functions

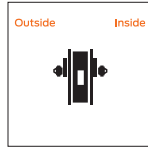


**Schlage L460**  
ANSI E06071  
**Cylinder x thumbturn lock**

- Deadbolt actuated by key or thumbturn



Optional 180 degree messaging indicator available



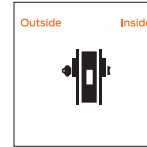
**Schlage L462**  
ANSI E06061  
**Double cylinder lock**

- Deadbolt actuated by either key

Caution: Double cylinder locks on any door, in any structure, requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.



Optional 180 degree messaging indicator available

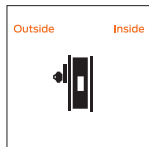


**Schlage L463**  
ANSI E06091  
**Classroom lock**

- Deadbolt actuated by key
- Thumbturn retracts deadbolt but cannot extend it



Optional 180 degree messaging indicator available

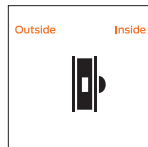


**Schlage L464**  
ANSI E06081  
**Cylinder lock**

- Deadbolt actuated by key
- No trim opposite side



Optional 180 degree messaging indicator available

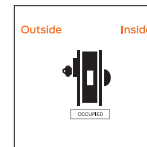


**Schlage L480**  
ANSI -  
**Door bolt**

- Deadbolt actuated by thumbturn
- No trim opposite side



Optional 180 degree messaging indicator available



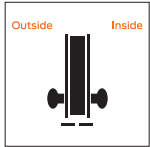
**Schlage L496**  
ANSI -  
**Deadbolt with "OCCUPIED" indicator**

- Deadbolt actuated by key or thumbturn
- When deadbolt is thrown "OCCUPIED" message is displayed



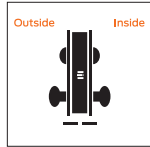
Optional 180 degree messaging indicator available

Special functions



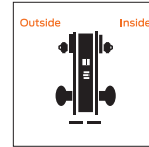
**Schlage L9110 x XL11-741**  
ANSI -  
**Double dummy with active trim**

- Knob/lever both sides active
- Lock case and armor front included
- Can receive deadbolt with XL11-743 armor front



**Schlage L0940 x XL11-446**  
LV9040 x XL11-446  
ANSI -  
**Privacy with turn both sides**

- Latchbolt retracted by either lever
- Rotating either thumbturn locks outside lever
- Actuating inside lever, closing door, or rotating either thumbturn unlocks outside lever



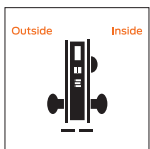
**Schlage L9066 x XL11-897**  
ANSI -  
**Storeroom lock**

- Either key retracts latchbolt
- Either key locks or unlocks both levers

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

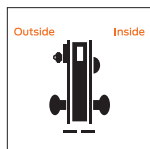


Optional 180 degree messaging indicator available



**Schlage L9412 x XL11-907**  
ANSI -  
**Exit lock with deadbolt**

- Latchbolt retracted by inside lever
- Outside lever always fixed
- Thumbturn actuates deadbolt
- Inside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked

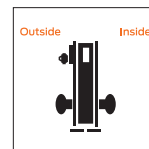


**Schlage L9460 x XL11-635**  
ANSI -  
**L9460 with fixed dummy trim**

- Knob/lever both sides fixed
- Deadbolt thrown or retracted by key outside or thumbturn inside
- Specify per XL11-635



Optional 180 degree messaging indicator available



**Schlage L9460, L9462, L9464 x XL11-886**  
ANSI -  
**Deadbolt with retraction by inside lever or knob**

- L9460 x XL11-886
- Deadbolt actuation by key or thumbturn
  - Outside lever always fixed
  - Inside lever active when deadbolt is thrown
  - Inside lever retracts deadbolt

- L9462 x XL11-886
- Same as L9460 x XL11-886 except deadbolt actuated by key from either side

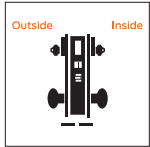
- L9464 x XL11-886
- Same as L9460 x XL11-886 except deadbolt actuated by key from one side



Optional 180 degree messaging indicator available



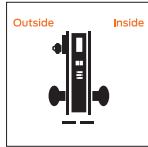
Special functions



Schlage L9482 x XL11-543  
LV9482 x XL11-543  
ANSI -  
Institutional lock with  
deadbolt

- Latchbolt retracted by either key
- Both levers always inoperative
- Deadbolt actuated by either key
- Auxiliary latch deadlocks latchbolt when door is locked

Caution: Double cylinder locks on any door, in any structure requiring use of a key to achieve egress can create a life safety hazard in times of emergency and their use is not recommended. Installation should be in accordance with existing codes only.

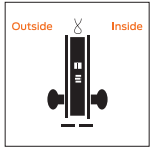


Schlage L9485 x XL11-557  
ANSI -  
Prison function lock

- Latchbolt retracted by outside key or inside knob/lever
- Outside knob/lever always free spinning
- Deadbolt actuation by guard key
- Inside knob/lever fixed when deadbolt is thrown
- Prisoner key only retracts latchbolt
- Tamper resistant Torx screws standard



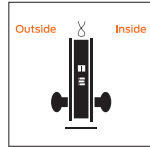
Electrified locks functions



**Schlage L9090EL  
L9090EU**  
ANSI F13

**Electrically locking/  
unlocking outside lever  
(no cylinder)**

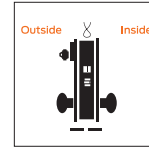
- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress



**Schlage L9091EL  
L9091EU**  
ANSI -

**Electrically locking/  
unlocking both levers (no  
cylinder)**

- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Auxiliary latch deadlocks latchbolt when door is locked



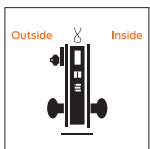
**Schlage L9092EL  
L9092EU**  
ANSI -

**Electrically locking/  
unlocking outside lever  
(single cylinder)**

- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by lever/knob inside or key outside
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress
- EL: Switch or power failure allows outside lever/knob to retract latchbolt
- EU: Switch or power failure locks (EU) outside lever/knob



Optional HSLR trim available



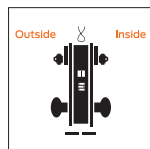
**Schlage L9093EL  
L9093EU**  
ANSI -

**Electrically locking/  
unlocking both levers  
(outside cylinder)**

- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by key outside
- Auxiliary latch deadlocks latchbolt when door is locked



Optional HSLR trim available



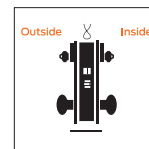
**Schlage L9094EL  
L9094EU**  
ANSI -

**Electrically locking/  
unlocking outside lever  
(double cylinder)**

- Outside lever/knob continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by either key or by inside lever/knob
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever/knob always free for immediate egress



Optional HSLR trim available



**Schlage L9095EL  
L9095EU**  
ANSI -

**Electrically locked or  
electrically unlocked both  
levers (double cylinder)**

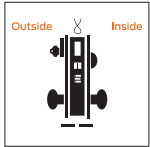
- Both levers/knobs continuously locked (EL) or unlocked (EU) by 12V or 24V DC
- Latchbolt retracted by either key
- Auxiliary latch deadlocks latchbolt when door is locked
- EL: Switch or power failure unlocks both levers/knobs and allows knob/lever to retract latchbolt
- EU: Switch or power failure locks both levers/knobs



Optional HSLR trim available



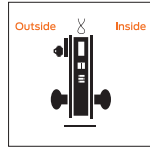
Electrified locks functions



**Schlage L9492EL  
L9492EU**  
ANSI -

**Electrically locking/  
unlocking outside lever  
(outside cylinder, inside  
thumbturn with deadbolt)**

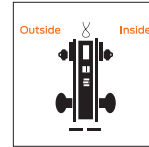
- Outside lever continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by key or thumbturn
- Inside lever retracts both deadbolt and latchbolt
- For EU outside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



**Schlage L9493EL  
L9493EU**  
ANSI -

**Electrically locking/  
unlocking both levers  
(outside cylinder, inside  
thumbturn with deadbolt)**

- Deadbolt actuation by key or thumbturn
- Inside lever retracts both deadbolt and latchbolt
- For EU both levers retract deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked



**Schlage L9494EL  
L9494EU**  
ANSI -

**Electrically locking/  
unlocking outside lever  
(double cylinder with  
deadbolt)**

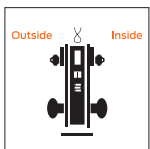
- Outside lever continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by either key
- Inside lever retracts both deadbolt and latchbolt
- For EU outside lever retracts deadbolt and latchbolt
- Auxiliary latch deadlocks latchbolt when door is locked
- Inside lever always free for immediate egress



Optional HSLR trim available



Optional HSLR trim available



**Schlage L9495EL  
L9495EU**  
ANSI -

**Electrically locking/  
unlocking both levers  
(double cylinder with  
deadbolt)**

- Both levers continuously locked (EL) or unlocked (EU) 12V or 24V DC
- Deadbolt actuation by either key
- When unlocked both levers retract deadbolt and open door
- Auxiliary latch deadlocks latchbolt when door is locked

Available electrified options include:

- RX** Request to Exit
- LX** Latch bolt monitor
- DPS** Door Position Switch
- DM** Deadbolt monitor (DM)



## Cylinders

### Conventional mortise cylinder

<b>P</b>	6-pin Conventional (standard) with Schlage logo
<b>Z</b>	SL 7-pin Conventional (A2 pinning) with Schlage logo
<b>L</b>	Less full face cylinder
<b>C</b>	Concealed mortise cylinder
<b>W</b>	Less concealed mortise cylinder

### Full size interchangeable core (FSIC) mortise cylinder

<b>R</b>	6-pin FSIC with Schlage logo
<b>M</b>	SL 7-pin FSIC (A2 pinning) with Schlage logo
<b>J</b>	Less FSIC
<b>F</b>	6-pin FSIC less Schlage logo
<b>T</b>	Refundable FSIC construction core

### Small format interchangeable core (SFIC) mortise cylinder

<b>G</b>	7-pin SFIC (A2 pinning) with Schlage logo
<b>B</b>	Less core
<b>BDC</b>	Disposable SFIC construction core
<b>H</b>	Refundable SFIC construction core



## Specifications

### Chassis

Case material	CRS with zinc dichromate plating
Case size	L9000 Series: 4 <sup>7</sup> / <sub>16</sub> " x 6 <sup>1</sup> / <sub>16</sub> " x 1" (113 mm x 154 mm x 25 mm) L400 Series: 4 <sup>7</sup> / <sub>16</sub> " x 3 <sup>5</sup> / <sub>8</sub> " x 1" (113 mm x 92 mm x 25 mm)
Spacing	Knob or lever to cylinder: 3 <sup>7</sup> / <sub>8</sub> " (98 mm); Knob or lever to thumbturn hub: 2 <sup>11</sup> / <sub>16</sub> " (68 mm)
Door thickness	Standard: 1 <sup>3</sup> / <sub>4</sub> " (44 mm) Optional: 1 <sup>3</sup> / <sub>8</sub> " (35 mm) to 2 <sup>1</sup> / <sub>2</sub> " (64 mm) Over 2 <sup>1</sup> / <sub>2</sub> " (64 mm) door ranges vary by function. Specify door thickness if other than 1 <sup>3</sup> / <sub>4</sub> " and position in door EE, EI, EO, ED

### Trim

Handing	L9000 Series: Field-reversible without disassembly L400 Series: Non-handed
Lever/knob	Lever designs: forged brass or bronze and cast stainless steel Knob designs: heavy-duty wrought brass, bronze or stainless steel
Rose/ escutcheon	L full face and concealed: Cold-forged brass, bronze and stainless steel N full face: Heavy wrought reinforced brass, bronze and stainless steel Roses: A, B, C: wrought brass or bronze and stainless steel; AVA and MER: forged brass
Combinations	Available with knob both sides, lever both sides, or knob/lever combinations. Roses cannot be combined with escutcheons.

### Latch

Backset	2 <sup>3</sup> / <sub>4</sub> " (70 mm) only
Armor	L9000 Series Standard: 1 <sup>1</sup> / <sub>4</sub> " x 8" x <sup>7</sup> / <sub>32</sub> " (32 mm x 203 mm x 6 mm) Optional: 1 <sup>1</sup> / <sub>16</sub> " x 8" x <sup>7</sup> / <sub>32</sub> " (27 mm x 203 mm x 6 mm) L400 Series: Standard: 1 <sup>1</sup> / <sub>4</sub> " x 5 <sup>9</sup> / <sub>16</sub> " x <sup>7</sup> / <sub>32</sub> " (32 mm x 141 mm x 6 mm)
Latch	<sup>3</sup> / <sub>4</sub> " (19 mm) throw stainless steel latch with anti-friction tongue
Deadbolt	1" (25 mm) throw stainless steel deadbolt
Strike	L9000 Series Standard: ANSI curved lip strike 1 <sup>1</sup> / <sub>4</sub> " x 4 <sup>7</sup> / <sub>8</sub> " (32 mm x 124 mm) x 1 <sup>3</sup> / <sub>16</sub> " (30 mm) lip to center with dust box Optional: Extended lip strike options ( <sup>7</sup> / <sub>8</sub> ", 1", 1 <sup>1</sup> / <sub>2</sub> ", 1 <sup>3</sup> / <sub>4</sub> ", 2") L400 Series Standard: 1 <sup>1</sup> / <sub>8</sub> " x 3 <sup>1</sup> / <sub>2</sub> " (29 mm x 89 mm) with dust box Optional: 1 <sup>1</sup> / <sub>4</sub> " x 4 <sup>7</sup> / <sub>8</sub> " (32 mm x 124 mm) with dust box



## Specifications

<b>Keying</b>	
Cylinder format	6-pin Conventional mortise cylinder (standard); also available in concealed mortise cylinder, FSIC, SFIC and 7-pin SL cylinder formats plus less cylinder options.
Keyway	Patented Everest 29 S123 (standard); also available in open, restricted, and Primus XP security levels with available master keying and construction keying.
<b>Wired electrified</b>	
Input voltage	12V or 24V DC for L909X
Operating mode	Fail Safe or Fail Secure via switch on chassis
Current draw	0.23 amps maximum; 0.01 amps holding
Request to Exit	Rating: 3A @ 125V AC/2A @ 30V DC. Available on all L909X and L949X electrified functions. Also available option for the following mechanical functions: L9010/50/56/70/71/80 and L9453/56/58/65/66/80/85.
Latch bolt monitor	Available on all L909x and L949x electrified and L9010/25/26/50/56/70/71/80/82 and L9453/56/65/66/80/85 mechanical functions.
Door position sensor	Internal available on L909x electrified and L9010/80/82 mechanical functions; external available on all functions.
Deadbolt monitor	Available on L949x electrified and L9453/56/57/58/80/85/86/96 mechanical functions
<b>Warranty</b>	
	3 year limited mechanical and 1 year limited electromechanical
<b>Certifications</b>	
ANSI/BHMA	L/LV9000: ANSI/BHMA A156.13-2017 Series 1000, Grade 1 operation and security; with FSIC Grade 2; with SFIC Grade 3 L400: ANSI/BHMA A156.36, Grade 1
ICC	Complies with ICC A117.1 Accessible and Usable Buildings and Facilities
UL/cUL	Mechanical: UL 10C and CAN/ULC-S104 3 hour fire listed; all locks listed for A label single doors, 4' x 10' and pairs 8' x 10' Electrified: UL/ULC listed for single-point locking applications; UL listed for 3-hour fire door (except L9076 and L9077)
CA Fire Code	All levers with a return to door of 1/2" (64 mm) or less comply
FL Building Code	Miami-Dade NOA's and Florida Building Commission listings
Federal	BAA compliant, all functions

**SCHLAGE**

## CO-200

Standalone electronic lock



Images shown are not to scale.

### Overview

The CO Series is the ideal solution for customers seeking the added security and convenience of electronic access control without the cost or complexity of a fully networked system.

The CO-200 is computer or manually programmable with users rights stored on the lock. The Schlage Utility Software (SUS) on the Handheld Device (HHD) or compatible Android devices (coming soon) is used in conjunction with your access control software and allows you to easily add or delete users and retrieve audits.

By issuing electronic credentials you can minimize the number of mechanical keys issued which protects the integrity of your key system. A variety of credential readers are also available including keypad only, magnetic stripe, and proximity. The magnetic stripe and proximity readers are also available with keypad for the added security of dual authentication.

Cylindrical, mortise, mortise deadbolt, and exit trim chassis options are available as well as a wide variety of finishes and levers to suite with your existing hardware.

Mechanical key override is standard and compatible with multiple cylinder types. The CO Series is also compatible with many popular brands and types of exit devices.

The CO Series has been tested the highest standards in the industry to ensure quality and reliability you have come to expect from Schlage. The CO Series is ANSI/BHMA A156.25, ANSI/BHMA Grade 1 certified and UL 294 Listed.

### Features and benefits

- Computer programmable with audit trail
- Up to 2000 users and up to 2000 audits<sup>1</sup>
- Up to 32 holidays and 16 time zones<sup>1</sup>
- ANSI/BHMA A156.25, ANSI/BHMA Grade 1 certified, UL 294 listed, FL12400<sup>2</sup>, FL1591<sup>2</sup>, FL13013<sup>2</sup> and FL14482B<sup>2</sup>
- User rights stored on the lock
- The ability to add and delete users at the lock
- Available in cylindrical, mortise, mortise deadbolt, and exit trim
- Compatible with major brands of key systems and exit devices
- Classroom/storeroom, office, and privacy functions available
- Programmable option for lighted occupancy indication<sup>3</sup>
- LED indicator visually communicates lock status

<sup>1</sup> Depending on access control software.

<sup>2</sup> Applies to cylindrical and mortise chassis only

<sup>3</sup> Available on privacy function locks manufactured after February 2019 with firmware version CO.A.30 or higher.

## CO-200 electronic lock specifications

Users	Up to 2,000 <sup>1</sup>
Audits	Up to 2,000 <sup>1</sup>
Credential verification time	≤ 1 second
Visual/audible communications	Tri-colored LED's and audible indicators
Power supply	4 AA batteries (standard off the shelf: included)
Voltage range	4 VDC to 7 VDC
Max current requirement	Up to 250 mA
Battery life	Up to 2 yrs with 4AA batteries
Operating temperature - exterior	-31° to 151°F (-35° to 66°C)
Operating temperature - interior	32° to 120°F (0° to 49°C) due to batteries
Operating humidity	0 - 100% non-condensing
Certifications	ANSI/BHMA A156.25, ANSI/BHMA Grade 1, UL 294, UL 10C, UL Canada, FCC Part 15, ADA

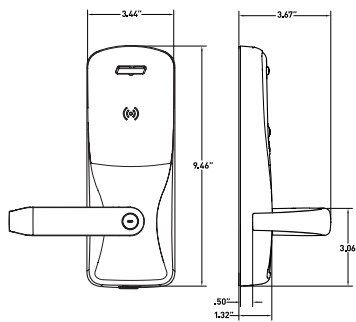
### Functions

- Classroom/storeroom<sup>2</sup>
- Office<sup>2</sup>
- Privacy<sup>3</sup>

### Standard status signals

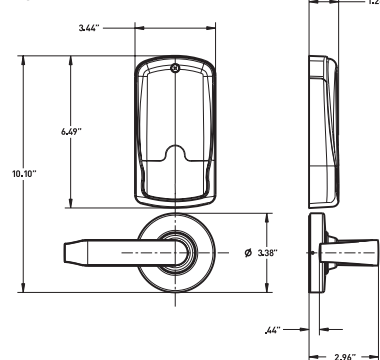
- Mechanical key override
- Battery status - indicated by flashing LED lights
- Access granted/access denied
- Programming commands
- Occupied - indicated by red LED light (privacy function only)

### Exterior of the lock

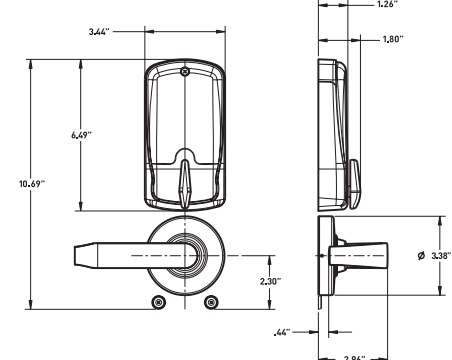


### Interior of the lock

#### Cylindrical



#### Mortise deadbolt



## Schlage Utility Software

The Schlage Utility Software (SUS) on the Handheld Device (HHD), or compatible Android mobile devices (coming soon) provides an easy way to manage people, audits and locks for simple access control management.

### Schlage Utility Software

- Initialize lock and accessories
- Field configure devices
  - Credential reader formats
  - Lock function
  - Unlock period
  - Failure mode
  - Audible alarm on/off
- Service and diagnostics
  - Battery status
  - Validate hardware and software revision
  - Troubleshooting status signals
- New device template simplifies configuration

For replacement HHD devices with a serial cable connection, please contact Technical Support at 877.671.7011.

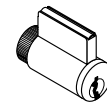
<sup>1</sup> Depending on access control software.

<sup>2</sup> Classroom/storeroom and office function not available with mortise deadbolt option. To ensure safety, all functions always allow for free egress.

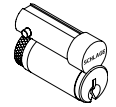
<sup>3</sup> Door position switch is required for cylindrical and mortise chassis with privacy function.

## Mechanical specifications

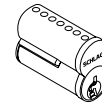
Chassis	Cylindrical	Mortise	Exit trim
Handing	Handed to order, field reversible		
ANSI standard (Meets or exceeds)	A156.25 A156.2 Series 4000 Grade 1	A156.25 A156.13 Series 1000 Grade 1	A156.25 A156.3
Door thickness	1 3/4" standard, 1 3/8" to 2 3/4" optional (available in 1/8" increments)		
Backset	Standard: 2 3/4" Optional: 2 3/8", 3 3/4", 5"	2 3/4" only	Defined by exit device
Latch bolt	Standard: 1/2" throw Optional: 3/4" throw	Standard: 3/4" throw Optional: 1" throw on mortise deadbolt	Provided by exit device
Levers	Pressure cast zinc, plated		
Strike	Standard: 1 3/16" lip, ANSI, 1 1/4" x 4 7/8" Optional: Additional configurations available please see price book		Provided by exit device
Cylinder and keys	Schlage 6-pin Everest 29 S123 keyway Conventional cylinder with two patented keys standard. Additional options available including SFIC, FSIC and competitor brands. See lever and cylinder compatibility data sheet (010432)		
Exit device compatibility	See CO Series exit trim compatibility data sheet (004183)		



Full cylinder



Full Size Interchangeable Core



Small Format Interchangeable Core

The combo proximity keyfobs with iButton® option are available which allows you to manage proximity and iButton® technologies in the same facility.



## Reader specifications

	Keypad	Magnetic stripe	Proximity
Frequency standards	N/A	ABA, ISO76XX standard high and low coercivity	125 kHz
Maximum read range	N/A	N/A (swipe card)	up to 1.25"
Compatibility	3-6 digit pin code	Triple track reader (1, 2 or 3), field configurable	Schlage, ISONAS™, HID®, GE/CASI ProxLite™ and AWID®
Compatible Schlage credentials	N/A	Configurable to read complete track 1, 2 or 3	125 kHz clamshell, ISO card, ISO card with magnetic stripe, keyfob, and PVC disk (7000 Series)
Style/layout	12-button, 3x4 matrix	Option for 12-button, 3x4 matrix	Option for 12-button, 3x4 matrix

Available  
CO-200  
reader  
options



Keypad



Proximity  
KEYPAD



Proximity



Magnetic stripe



Magnetic stripe  
KEYPAD

# Ordering information

Available through one of our GSA schedule 84 approved distributions

Required fields								Factory defaults and options						
CO	-200	-CY	-70	-PR	-SPA	-626	-P6	-S123	-RH	-13	-049	-10	-025	-1 3/4
Series	Class	Chassis	Function	Reader	Lever style	Finish	Lever cylinder	Keying type	Handing	Backset and latch	Strike	Door thickness		
1	2	3	4	5	6	7	8	9	10	11	12	13		

Selections correspond with the numbers above

Standard options are indicated in bold. See price book for specific configuration options.

<b>3</b>	<b>Chassis</b>
CY	Cylindrical
MS	Mortise
MD	Mortise deadbolt
993R	Exit trim – Rim/CVC/CVR
993S	Exit trim – SVR
993M	Exit trim – mortise
993DT	Exit dummy trim
<b>4</b>	<b>Function</b>
70	Classroom/storeroom
50	Office
40	Privacy
<b>5</b>	<b>Reader</b>
<b>KP</b>	<b>Keypad</b>
MS	Magnetic stripe
MSK	Magnetic stripe + keypad
PR	Proximity
PRK	Proximity + keypad
<b>6</b>	<b>Lever</b>
ATH	Athens
BRK	Boardwalk
BRW	Broadway
LAT	Latitude
LON	Longitude
RHO	Rhodes
SPA	Sparta
TLR	Tubular

Available with tactile warning options

<b>7</b>	<b>Finish</b>
<b>626</b>	<b>Satin chrome</b>
605	Bright brass
606	Satin brass
612	Satin bronze
619	Satin nickel
625	Bright chrome
643e	Aged bronze
626AM	Satin chrome antimicrobial
<b>8</b>	<b>Lever cylinder type</b>
<b>P6</b>	<b>Schlage 6-pin Conventional key-in-lever cylinder</b>

See price book for other SFIC, FSIC and less cylinder options available. Compatible with Schlage, Sargent, Corbin, Medeco and Yale.

<b>9</b>	<b>Keyway type</b>
<b>S123</b>	<b>Everest 29</b>

See price book for other available keyway options including restricted keyways in Primus XP high security cylinders and master keying

<b>10</b>	<b>Handing</b>
<b>RH</b>	<b>Right handed</b>
RHR	Right handed reverse
LH	Left handed
LHR	Left handed reverse

Field reversible

<b>11</b>	<b>Backset and latch or armor front</b>
<b>Cylindrical</b>	
<b>13-049</b>	<b>2 3/4" backset, deadlatch, square corner, 1 1/8" x 2 1/4"</b>
<b>Mortise</b>	
<b>09-663</b>	<b>Armor front, 1 1/4" wide, square corner</b>

See price book for mortise deadbolt and other backset and latch options or armor front options

<b>12</b>	<b>Strike</b>
<b>Cylindrical</b>	
<b>10-025</b>	<b>1 3/16" lip, ANSI, no box, 1 1/4" x 4 7/8"</b>
<b>Mortise</b>	
<b>10-072</b>	<b>1 3/16" lip, 1 1/4" x 4 7/8" square corner, box</b>

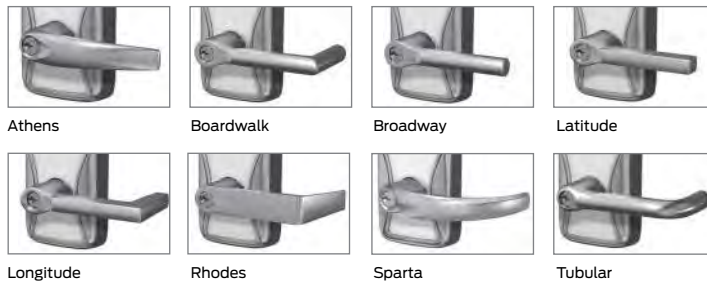
See price book for other available strikes

<b>13</b>	<b>Door thickness</b>
<b>1 3/4"</b>	
Other thicknesses available between 1 3/8" and 2 3/4"	

See price book for detail

## Lever styles

Conventional cylinders shown, SFIC and FSIC also available.



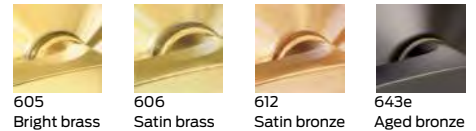
## About Allegion

Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit [www.allegion.com](http://www.allegion.com).

KRYPTONITE ■ LCN ■ SCHLAGE ■ STEELCRAFT ■ VON DUPRIN

## Finishes

Warm tone finishes



Cool tone finishes



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[www.allegion.com/us](http://www.allegion.com/us)



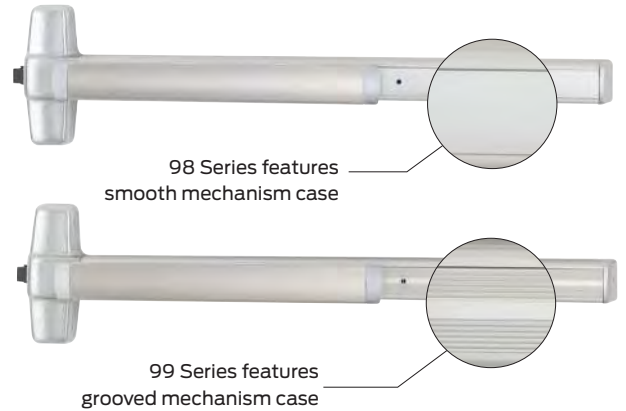
# VON DUPRIN®

## Exit device

# 98/99 Series

### Overview

The 98/99 Series devices are heavy-duty push pads. The 98 Series has a smooth mechanism case, while the 99 Series has a grooved mechanism case. The 98/99 Series has been certified to the highest industry standards and are used in schools, hospitals and government buildings.



### Device types



Rim device



75 Mortise lock device



27 Surface mounted vertical rod device<sup>1</sup>



47 Concealed vertical rod device, 5/16" throw<sup>1</sup>

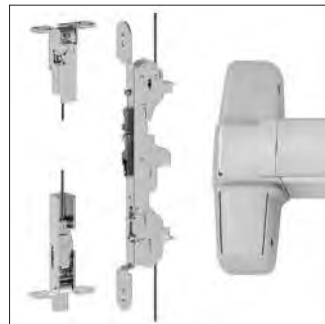
48 Concealed vertical rod device, 5/8" top, 1 1/2" bottom throw



47WDC Concealed vertical rod wood door device<sup>1</sup>



49 Concealed vertical cable device<sup>2</sup>



50WDC Concealed vertical cable wood door device



57 Three-point latch device

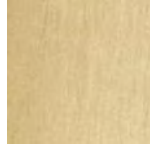
<sup>1</sup> Also available less bottom rod (LBR)

<sup>2</sup> Also available less bottom latch (LBL)

## Finishes



**605**  
Bright Brass



**606**  
Satin Brass



**612**  
Satin Bronze



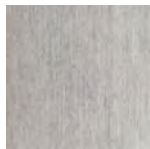
**619**  
Satin Nickel



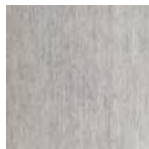
**622**  
Matte Black



**625**  
Bright Chrome



**626**  
Satin Chrome



**626AM**  
Satin Chrome,  
Antimicrobial



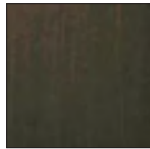
**628**  
Aluminum, Clear  
Anodized



**630**  
Satin Stainless



**630AM**  
Satin Stainless,  
Antimicrobial



**643e**  
Aged Bronze



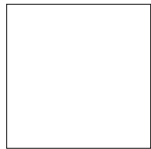
**693**  
Black



**710**  
Dark Brown,  
Anodized

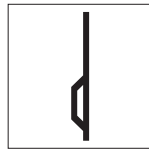
Due to the many variations in monitors and printers, color samples may appear different than the physical product. Contact your local sales representative for a physical color sample.

## Trim functions



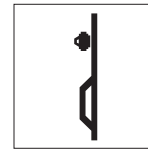
**EO No outside trim**

- Exit only



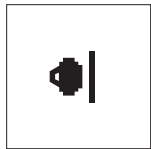
**DT Dummy trim**

- Pull when dogged (not recommended for fire device)



**NL Night latch**

- Key retracts latchbolt
- Rim and 1 1/4" mortise cylinder



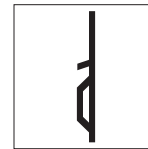
**NLOP Night latch**

- Key retracts latchbolt, pull required



**TP Thumbpiece**

- Key locks and unlocks
- Rim and 1 1/4" mortise cylinder



**TPBE Thumbpiece, blank escutcheon**

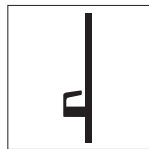
- Blank escutcheon always operable (no cylinder, use with DT trim)



**L Lever**

**K Knob**

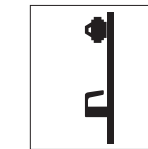
- Key locks and unlocks
- Rim and 1 1/4" mortise cylinder
- Handed, reversible lever
- Electrified lever operation available



**LDT Lever, dummy trim**

**KDT Knob, dummy trim**

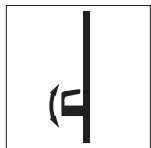
- Pull when dogged



**LNL Lever, night latch**

**KNL Knob, night latch**

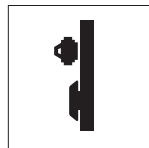
- Key retracts latchbolt
- Rim and 1 1/4" mortise cylinder
- Handed, reversible lever



**LBE<sup>1</sup> Lever, blank escutcheon**

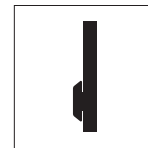
**KBE Knob, blank escutcheon**

- Always operable (no cylinder)



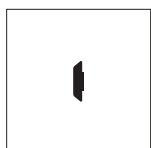
**TL Turn lever**

- Key locks and unlocks (use with DT trim)
- 1 1/4" mortise cylinder

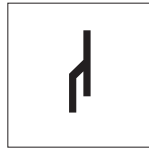


**TLBE Turn lever, blank escutcheon**

- Blank escutcheon always operable (no cylinder, use with DT trim)



**TLOP Turn lever, optional pull**



**HL Hospital latch**

- Key locks and unlocks
- 1 1/4" mortise cylinder

## Trim styles



990



996



696



697  
3/4" (19mm) diameter pull



392-7



HL



374



VR910



VR914

### Dimensions

Trim style	Width	Height	Thickness	Projection
990	3"	14 <sup>3</sup> / <sub>16</sub> "	<sup>3</sup> / <sub>32</sub> "	2"
996 Knob	2 <sup>3</sup> / <sub>4</sub> "	10 <sup>3</sup> / <sub>4</sub> "	<sup>27</sup> / <sub>32</sub> "	3 <sup>1</sup> / <sub>4</sub> "
996 Lever	2 <sup>3</sup> / <sub>4</sub> "	10 <sup>3</sup> / <sub>4</sub> "	<sup>27</sup> / <sub>32</sub> "	2 <sup>7</sup> / <sub>8</sub> "
696	1 <sup>5</sup> / <sub>8</sub> "	13 <sup>1</sup> / <sub>2</sub> "	<sup>3</sup> / <sub>16</sub> "	2 <sup>1</sup> / <sub>8</sub> "
697	1 <sup>5</sup> / <sub>8</sub> "	13 <sup>1</sup> / <sub>2</sub> "	<sup>3</sup> / <sub>16</sub> "	3"
392-7	<sup>3</sup> / <sub>4</sub> " inch round stainless steel with 7" center to center that matches the 98/99 center case. 3 <sup>1</sup> / <sub>2</sub> " offset with 1 <sup>1</sup> / <sub>2</sub> " clearance.			
HL	2 <sup>9</sup> / <sub>16</sub> "	7 <sup>7</sup> / <sub>8</sub> "	-	2 <sup>5</sup> / <sub>8</sub> "
374	2 <sup>3</sup> / <sub>4</sub> "	10 <sup>3</sup> / <sub>4</sub> "	<sup>27</sup> / <sub>32</sub> "	
VR910/914 with RIM/verticals	5 <sup>1</sup> / <sub>2</sub> "	11"	-	
VR910/914 with mortise	7 <sup>1</sup> / <sub>4</sub> "	11"	-	

## Lever styles

### Decorative levers



**M51**  
■ Knurling available



**M52**  
■ Knurling available



**M53**



**M54**



**M55**



**M56**



**M57<sup>1</sup>**



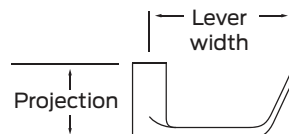
**M61**  
■ Handed



**M62<sup>1</sup>**  
■ Handed

### Dimensions

Lever	Width	Projection
M51	4.5"	2.5"
M52	4.5"	2.4"
M53	4.4"	2.4"
M54	4.4"	2.3"
M55	4.4"	2.7"
M56	4.5"	2.3"
M57	4.5"	2.7"
M61	4.5"	2.7"
M62	4.6"	2.4"



<sup>1</sup> Available in stainless steel substrate only

## Lever styles

### Decorative levers



**M63**  
▪ Handed



**M81**  
▪ Knurling available



**M82**



**M83**



**M84**



**M85**  
▪ Handed



**ME1**  
▪ Handed



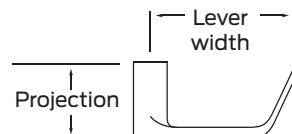
**ME2**  
▪ Handed



**ME3**

### Dimensions

Lever	Width	Projection
M63	4.6"	2.6"
M81	4.8"	2.5"
M82	4.9"	2.5"
M83	4.7"	2.25"
M84	5.1"	2.2"
M85	4.9"	2.7"
ME1	5.4"	2.6"
ME2	5.2"	2.4"
ME3	5"	2.8"



<sup>1</sup> Designed with Gensler as product design consultant

## Lever styles

### Standard levers



01



02

- Knurling available



03

- Knurling available



05



06

- Default lever
- Suites with Schlage Rhodes
- Knurling available



07

- Suites with Schlage Athens



12

- Handed

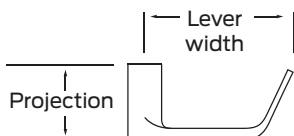


16

- Suites with Schlage Omega

### Dimensions

Lever	Width	Projection
01	4.0"	2.1"
02	4.75"	2.3"
03	4.75"	2.813"
05	3.75"	2.8"
06	4.7"	2.1"
07	4.6"	2.3"
12	4.3"	2.9"
16	5.05"	2.66"



## Lever styles

### Standard levers



**17**  

- Suites with Schlage Sparta
- Knurling available



**18**



**Accent (ACC)**  

- Handed



**Asti (AST)**  

- Handed



**Merano (MER)**  

- Handed



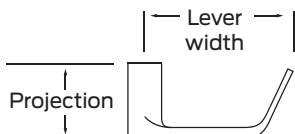
**Latitude (LAT)**



**Longitude (LON)**

### Dimensions

Lever	Width	Projection
17	4.7"	2.3"
18	4.75"	2.4"
Accent (ACC)	4.4"	3.1"
Asti (AST)	4.2"	2.5"
Merano (MER)	4.1"	2.5"
Latitude (LAT)	4.6"	2.3"
Longitude (LON)	4.9"	2.3"





## Electromechanical device options

### Switches

---

<b>LX</b>	<b>Latchbolt monitoring</b>
<b>LX-LC</b>	<b>Latchbolt monitoring, low current</b> <ul style="list-style-type: none"> <li>▪ Signals use of an opening</li> <li>▪ SPDT switch to monitor latch bolt</li> <li>▪ 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option</li> </ul>
<b>RX</b>	<b>Request to exit</b>
<b>RXLC</b>	<b>Request to exit - low current</b>
<b>RX2</b>	<b>Double request to exit - 2 RX switches</b>
<b>WP-RX</b>	<b>Waterproof request to exit</b>
<b>RX-AUX</b>	<b>RX to RX-2 conversion</b> <ul style="list-style-type: none"> <li>▪ Signals use of an opening</li> <li>▪ SPDT switch to monitor pushpad</li> <li>▪ 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option</li> </ul>
<b>LX-RX</b>	<b>Request to exit/latchbolt monitoring combination</b>
<b>LX-RX-LC</b>	<b>Request to exit/latchbolt monitoring combination, low current</b> <ul style="list-style-type: none"> <li>▪ 2 A maximum @ 24VDC; below 50 mA @ 24VDC for low current option</li> </ul>
<b>SS</b>	<b>Signal switch</b> <ul style="list-style-type: none"> <li>▪ Monitors pushpad and latchbolt</li> <li>▪ Signals unauthorized use of an opening</li> <li>▪ Switch makes latch bolt tamper-resistant</li> <li>▪ Up to 2.0 A @ 24VDC</li> </ul>

### Latch retraction

---

<b>EL</b>	<b>Electric latch retraction</b>
<b>SD-EL</b>	<b>Electric latch retraction with special center case dogging</b> <ul style="list-style-type: none"> <li>▪ Enables remote unlatching</li> <li>▪ Alternative to manual dogging</li> <li>▪ Voltage: 24VDC (continuous duty)</li> <li>▪ Current: 16.0 A inrush / 0.3 A holding</li> </ul>

<b>QEL</b>	<b>Quiet electric latch retraction</b>
<b>HD-QEL</b>	<b>Quiet electric latch retraction with hex dogging</b>
<b>SD-QEL</b>	<b>Quiet electric latch retraction with special center case dogging</b> <ul style="list-style-type: none"> <li>▪ Bolt retraction via switch</li> <li>▪ Converts exit door to push-pull operation</li> <li>▪ Voltage: 24VDC</li> <li>▪ Current: 1.0 A inrush (0.5 sec.) / 0.14 A holding</li> </ul>

### Delayed egress

---

<b>CX</b>	<b>Chexit delayed exit</b> <ul style="list-style-type: none"> <li>▪ Meets NFPA 101 requirements</li> <li>▪ Self-contained controls, locking, alarm</li> <li>▪ Input voltage: 24VDC</li> <li>▪ Input current inrush: 1.25 A</li> <li>▪ Input current holding: 390 mA</li> <li>▪ Alarm relay and secure relay contact ratings: 24 VDC, 1 A</li> </ul>
<b>CX-RCM</b>	<b>Chexit remote module</b> <ul style="list-style-type: none"> <li>▪ Chexit for smaller doors that can not accommodate a standard Chexit device</li> <li>▪ Size: 3.75" x 5.57" x 2.50"</li> <li>▪ Input voltage: 24VDC</li> <li>▪ Input current inrush: 1.25A</li> <li>▪ Input current holding: 390mA</li> <li>▪ Alarm relay and secure relay contact ratings: 24 VDC, 1 A</li> </ul>

### Miscellaneous

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<b>ALK</b>	<b>Alarm exit kit</b> <ul style="list-style-type: none"> <li>▪ Unauthorized opening triggers 85-decibel horn</li> <li>▪ Set in armed or disarmed mode by key</li> <li>▪ Assembly includes both a 24VDC input and external inhibit</li> </ul>
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## Electromechanical device options

- |              |   |
|--------------|---|
| <b>CON</b>   | <b>Allegion Connect</b> <ul style="list-style-type: none"><li>Common connectors to connect various door hardware all the way to the power supply</li></ul>  |
| <b>E996</b>  | <b>Electric locking and unlocking trim</b> <ul style="list-style-type: none"><li>Remains latched while unlocked</li><li>Remote electrical control</li><li>Voltage: 24VDC (Continuous Duty)</li><li>Current: 0.22 amps</li></ul> |
| <b>E7500</b> | <b>Electric mortise lock device</b> <ul style="list-style-type: none"><li>Voltage: 12 or 24VDC</li><li>Current: 0.60 amps @ 12VDC, 0.30 amps @ 24VDC</li></ul>  |

## Electromechanical device options

Matrix shows available options per device type but does not represent compatibility across multiple options.

	Switches									Latch retraction					Delayed egress		Misc			
	LX	LX-LC	RX	RXLC	RX2	WP-RX	LX-RX	LX-RX-LC	SS	EL	SD-EL	QEL	HD-QEL	SD-QEL	CX	CX-RCM	ALK	CON	E996	Mortise
98 99	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
98F 99F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	
XP98 XP99		■	■	■	■	■	■	■		■	■	■	■	■	■	■	■	■	■	
XP98-F XP99-F		■	■	■	■	■	■	■		■		■			■	■	■	■	■	
9875 9975			■	■	■	■		■		■	■	■	■	■	■	■	■	■	■	■
9875-F 9975-F			■	■	■	■		■		■		■			■	■	■	■	■	■
9827 9927	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
9827-F 9927-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	
9857 9957	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
9857-F 9957-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	
9847 9947	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
9847-F 9947-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	
9848 9948	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
9848-F 9948-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	
9849 9949	■ <sup>1</sup>	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
9849-F 9949-F	■ <sup>1</sup>	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	
9847WDC 9947WDC	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
9847WDC-F 9947WDC-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	
9850WDC 9950WDC	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■	
9850WDC-F 9950WDC-F	■	■	■	■	■	■	■	■	■	■		■			■	■	■	■	■	

<sup>1</sup> For 98/9949 devices, LX switch monitors trim input or electric dogging of EL/QEL devices. LX switch does not monitor latchbolt condition.

## Mechanical device options

### Dogging

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- CD**      **Cylinder dogging, panic only**
- CD-CX**    **Center case cylinder dogging for Chexit devices**
- CI**      **Cylinder dogging indicator**
  - Battery-operated dogging indicator in cylinder format with red light visible from over 75 feet away
- DI**      **Dogging indicator**
  - Battery-operated dogging indicator in hex format with red light visible from over 75 feet away
- LD**      **Less dogging**
- SD**      **Special center case dogging**
  - Center case cylinder dogging

### Classroom security

---

- 2**      **Double cylinder**
  - Inside key cylinder locks/unlocks outside trim
- 2SI**    **Double cylinder with security indicator**
  - Inside key cylinder locks/unlocks outside trim with visible indicators that provide status of door
- CDSI**    **Cylinder dogging with indicator**
  - Provides visible lock/unlock indicators showing whether device is dogged or undogged
- HDSI**    **Hex dogging with indicator**
  - Provides visible lock/unlock indicators showing whether device is dogged or undogged

### Environmental

---

- PN**      **Pneumatic latch retraction**
  - For areas where electrical devices banned
  - Special linkage for mechanical or pneumatic dogging
- QM**      **Quiet mechanical option**
  - Provides damper-controlled relatching of device
- INS**      **Insulclad kits**
  - Kits with longer fasteners or parts for Insulclad doors
- AM**      **Anti-microbial finish**

### Weatherized

---

- WH**      **Weep holes**
  - Drainage (weep) holes in mechanism case
- WS**      **Windstorm**
  - Severe weather certified/tested
  - FEMA and ICC compliant
  - Tornado and hurricane tested

### California code

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- AX**      **Accessible device**
  - UL certified to meet new 5 lb. maximum operating force requirement
  - Exceeds ANSI/BHMA requirements

### Latches

---

- PL**      **Pullman latch**
  - Latches are always extended
  - Most commonly used in conjunction with electric strikes and LBR-less bottom rod application

## Mechanical device options

### Touch bar trim

---

- |                |  |
|----------------|--|
| <b>RSS</b>     | <b>Red silk screen</b> <ul style="list-style-type: none"><li>▪ Red silk-screened lettered touchbar trim</li></ul>  |
| <b>PUSH</b>    | <b>PUSH</b> <ul style="list-style-type: none"><li>▪ Touchbar trim embossed PUSH</li></ul>  |
| <b>SG</b>      | <b>Safety glow</b> <ul style="list-style-type: none"><li>▪ Self-illuminating touchpad</li><li>▪ Glows brightly during low or no light conditions</li></ul> |
| <b>KN</b>      | <b>Knurled touchbar</b> <ul style="list-style-type: none"><li>▪ Tactile warning applied to device</li></ul>  |
| <b>BRAILLE</b> | <b>Braille</b> <ul style="list-style-type: none"><li>▪ Vision impaired touchpad</li><li>▪ Raised letter and Braille</li></ul>                              |

### Mechanical device options

Matrix shows available options per device type but does not represent compatibility across multiple options.

	Dogging						Classroom security				Environmental				Weatherized		CA code
	CD	CD-CX	CI	DI	LD	SD	-2	-2SI	CDSI	HDSI	PN	QM	INS	AM	WH	WS	AX
98 99	■	■	■	■	■	■	■	■	■	■	■	■	■	■	■		■
98F 99F							■	■			■	■		■	■		■
XP98 XP99	■	■	■	■	■	■	■	■	■				■	■	■		■
XP98-F XP99-F							■	■					■	■	■		■
9875 9975	■	■	■	■	■	■	■		■	■			■	■	■		
9875-F 9975-F							■			■			■	■	■		
9827 9927	■	■	■	■	■	■			■	■	■	■		■	■		■ LBR
9827-F 9927-F										■	■		■	■	■		■ LBR
9857 9957	■	■	■	■	■	■			■	■	■		■	■	■		
9857-F 9957-F										■			■	■	■		
9847 9947	■	■	■	■	■	■			■	■	■		■	■	■		■ LBR
9847-F 9947-F										■			■	■	■		■ LBR
9848 9948	■	■	■	■	■	■			■	■	■		■	■	■		
9848-F 9948-F										■			■	■	■		
9849 9949	■	■	■	■	■	■			■	■	■	■	■	■	■		■ LBL
9849-F 9949-F										■			■	■	■		■ LBL
9847WDC 9947WDC	■	■	■	■	■	■			■	■	■		■	■	■		
9847WDC-F 9947WDC-F										■			■	■	■		
9850WDC 9950WDC	■	■	■	■	■	■			■	■	■		■	■	■		■ LBL
9850WDC-F 9950WDC-F										■			■	■	■		■ LBL

## Mechanical device options

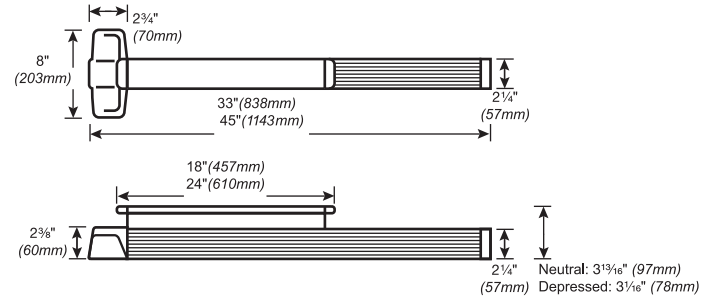
Matrix shows available options per device type but does not represent compatibility across multiple options.

	Latches	Touch bar trim				
	PL	RSS	PUSH	SG	KN	BRaille
98 99		■	■	■	■	■
98F 99F		■	■	■	■	■
XP98 XP99		■	■	■	■	■
XP98-F XP99-F		■	■	■	■	■
9875 9975		■	■	■	■	■
9875-F 9975-F		■	■	■	■	■
9827 9927	■	■	■	■	■	■
9827-F 9927-F		■	■	■	■	■
9857 9957		■	■	■	■	■
9857-F 9957-F		■	■	■	■	■
9847 9947	■	■	■	■	■	■
9847-F 9947-F		■	■	■	■	■
9848 9948		■	■	■	■	■
9848-F 9948-F		■	■	■	■	■
9849 9949		■	■	■	■	■
9849-F 9949-F		■	■	■	■	■
9847WDC 9947WDC		■	■	■	■	■
9847WDC-F 9947WDC-F		■	■	■	■	■
9850WDC 9950WDC		■	■	■	■	■
9850WDC-F 9950WDC-F		■	■	■	■	■

## Specifications

Accessibility	<ul style="list-style-type: none"> <li>■ Force to depress push pad                             <ul style="list-style-type: none"> <li>- AX device: 5 lbs</li> <li>- Standard device: 15 lbs</li> </ul> </li> <li>■ Push pad projection                             <ul style="list-style-type: none"> <li>- Neutral: 3 13/16" (97 mm)</li> <li>- Depressed: 3 1/16" (78 mm)</li> </ul> </li> </ul>
Certifications/ approvals	All Von Duprin 98/99 exit devices are ANSI/BHMA Certified. Please refer to the BHMA Certified Products Directory for specific listings.
Mounting height	39 13/16" (1011 mm) 39 11/16" (1008 mm) with mullion
Warranty	36 months from the date of placing the product in operation

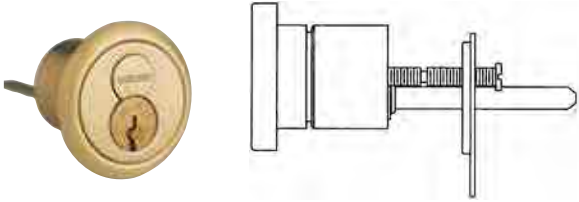
## Dimensions





## Cores

Full size interchangeable core cylinders for exit devices, aluminum door, etc.



### Interchangeable core rim cylinders for exit devices

Number	Core mechanism
20-057	Conventional core
20-757	Primus core
20-757-XP	Primus XP core
20-079	Housing only, less core

Available in 605, 606, 609, 612, 613, 619, 625, 626, and 643e finish.



### Cylinders for Adams Rite MS and 4700 Series Lori 4500 Series and Corbin Russwin DL3000 Series

Number	Core mechanism	Collar
26-098	Conventional core	Compression ring & spring
20-062	Conventional core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-766	Primus core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-766-XP	Primus XP core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-060	Housing less core	None

These cylinders include set screw pack B220-050 for Adams Rite locks.



**K510-711**  
Adams Rite  
MS cam

### Cylinders for Adams Rite 4070 Series deadlocks

Number	Core mechanism	Collar
20-091	Conventional core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-722	Primus core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-722-XP	Primus XP core	$\frac{3}{16}$ " + $\frac{3}{8}$ " blocking rings
20-090	Housing less core	None



**B520-378**  
Adams Rite  
4070 cam

- Notes
1. Mortise cylinders available 605, 606, 609, 612, 613, 619, 625, 626, and 643e finish. Cores furnished 606 and 626 only.
  2. To differentiate between Classic and Everest 29, specify keyway. Example: C or CP (Classic), S123 (Everest 29).
  3. All cylinders are 1 1/2" long.
  4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.

# Full Size Interchangeable Core Availability



**A-Series**  
Orbit design



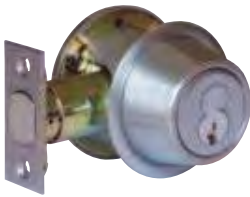
**ND-Series lever**  
all designs



**AL-Series**  
Saturn design



**H-Series knob**  
Orbit design



**B500-Series**



**L-Series**  
all designs  
except concealed



**B600 / 700-Series**



**S-Series**  
all designs  
except Flair



**D-Series knob**  
Orbit design

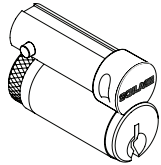


**S200-Series**  
all designs for S210



**All except Flair for other functions**

# Full Size Interchangeable Core Cylinders for Schlage Locksets



## Full Size Core Only

Number	Mechanism
23-030	Conventional core
30-120	Conventional core for hotel function (specify hand)
20-740-XP	Primus XP core (not available in hotel function)

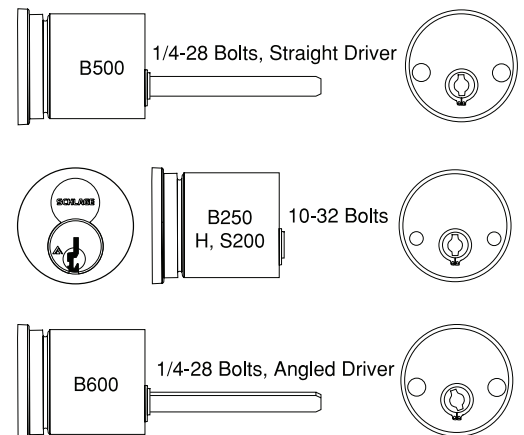
Available 606 and 626 finish only. Order control keys separately.

## Full Size IC Housings for Bored Deadlocks, Less Core

Lockset Series	Description	Number	Specify Finish
B500-Series	Outside	B610-203, B610-205	605, 609, 612, 613, 619, 625, 626, and 716
	Inside	B610-028**	605, 609, 612, 613, 619, 625, 626, and 716
B250, H, S200-Series	Outside	22-061	605, 606, 609, 610, 611, 612, 613, 616, 625, 626
	Inside of B252	22-062	
B600 / 700-Series	Outside	B610-027	605, 606, 609, 612, 613, 625, 626
	Inside	B610-028	See Note Below

Specify finish of B610-031 inside snap-on faceplate ordered separately for BC162 and B662/762.

\*\*Inside housing does not include snap-on faceplate



KS43F



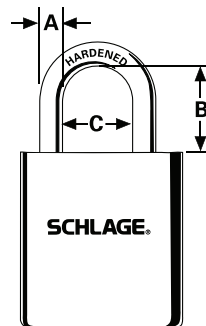
KS72F



KS92M

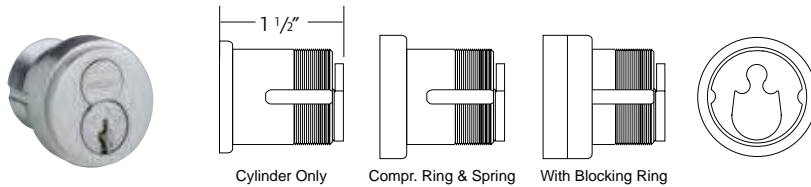
## Full Size Interchangeable Core Padlocks

Part #	Shackle Dimensions		
	A	B	C
<b>LESS CYLINDER - FULL SIZE INTERCHANGEABLE CORE</b>			
<b>BRASS BODY</b>			
KS43A3200	3/8"	3/4"	3/4"
KS43D3200	3/8"	1 1/2"	3/4"
KS43F3200	3/8"	2"	3/4"
KS43G3200	3/8"	4"	3/4"
<b>STEEL BODY</b>			
KS72M3200	7/16"	1"	7/8"
KS72F3200	7/16"	2"	7/8"
KS92M3200	3/8"	1"	3/4"

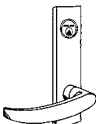



Note: To order Primus XP add the suffix - XP to the Primus part number. (Example: 12-345-XP)

# Full Size Interchangeable Core Mortise Cylinders



## Cylinders for Schlage L-Series Mortise Locks

	Design	Function	Core Mechanism		
			Conventional	Primus, Primus XP	Housing Less Core
	L & N Escutcheons (cylinders with compression ring)	All Except Below	30-008	20-798, 20-798-XP	30-007
		L9060P Outside	30-030	20-782, 20-782-XP	30-032 + 36-083
		L9485P, L9486P Hotel Functions	30-010*	N/A	30-007
	Sectional Trim (cylinder with compression ring, spring and 3/8" blocking ring). 9060 requires 1/2" blocking ring.	All Except Below	30-138	20-776, 20-776-XP	30-137
		L9060P Outside	30-030 + 36-083 + 35-082-030	20-783, 20-783-XP	30-032 + 36-083 + 36-082-050
		L9485P, L9486P Hotel Functions	30-040*	N/A	30-137



**L583-489**  
Cam for All Functions  
Except L9060 Outside

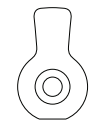


**K510-680**  
Cam for  
L9060 Outside

\* Hotel function cores are handed. Specify hand of door.

## Mortise Cylinders with Straight Cam for Exit Devices

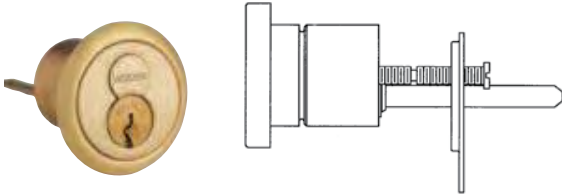
Number	Core Mechanism	Collar
26-091	Conventional core	Compression ring & spring
20-061		3/8" blocking rings + compression ring & spring
20-763, 20-763-XP	Primus/Primus XP core	Compression ring & spring
20-771, 20-771-XP		3/8" blocking rings + compression ring & spring
20-059	Housing less core	None
26-064		Compression ring & spring



**K510-730**  
Straight Cam,  
Other Applications

- Notes
1. Available 605, 606, 609, 610, 612, 613, 625, and 626 finish. Cores furnished 606 and 626 only.
  2. To differentiate between Classic and Everest, specify keyway. Example: C or CP (Classic), C123 (Everest). Everest C123 keyway standard.
  3. All cylinders are 1 1/2" long.
  4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.

# Full Size Interchangeable Core Cylinders for Exit Devices, Aluminum Doors, etc.



## Interchangeable Core Rim Cylinders for Exit Devices

Number	Core Mechanism
20-057	Conventional core
20-757	Primus core
20-757-XP	Primus XP core
20-079	Housing only, less core

Available 605, 606, 609, 610, 612, 613, 625 and 626 finish.



## Cylinders for Adams Rite MS and 4700 Series Lori 4500 Series and Corbin Russwin DL3000 Series

Number	Core Mechanism	Collar
26-098	Conventional core	Compression ring & spring
20-062	Conventional core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-766	Primus core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-766-XP	Primus XP core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-060	Housing less core	None

These cylinders include set screw pack B220-050 for Adams Rite locks.



**K510-711**  
Adams Rite  
MS Cam

## Cylinders for Adams Rite 4070 Series Deadlocks

Number	Core Mechanism	Collar
20-091	Conventional core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-722	Primus core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-722-XP	Primus XP core	$\frac{3}{16}'' + \frac{3}{8}''$ blocking rings
20-090	Housing less core	None



**B520-378**  
Adams Rite  
4070 Cam

- Notes
1. Mortise cylinders available 605, 606, 609, 610, 612, 613, 625, and 626 finish. Cores furnished 606 and 626 only.
  2. To differentiate between Classic and Everest, specify keyway. Example: C or CP (Classic), C123 (Everest).
  3. All cylinders are  $1\frac{1}{2}''$  long.
  4. Specify LKB if 0-bitted Primus XP cylinders are required less key blanks.



### LG1 Lock Guard

#### LG7

- Units are non-handed and incorporate security frame pin to prevent separation of the door and frame. LG7 does not incorporate the security frame pin
- Unit covers the latch bolt area of the door and lock, thereby providing added protection from burglars, vandals or normal abuse.
- Ideal for use with mortise or cylindrical locks.
- Easy installation.
- Through bolted with carriage bolts and nuts.
- Available in a variety of materials, 13 gauge stainless steel, 12 gauge steel and brass material.

#### Dimensions

3" Wide x 11-1/2" High  
 Bolt center to center: 10-1/2"

#### Finishes

Ives Number	USP*	US2G*	US4*	US10*	US32D	SP313*
BHMA	600	603	606	612	630	695

\* not available on LP7



### LG10 Lock Guard

- Ideally suited for use with rose or escutcheon 2-3/4" wide or less.
- For use with Type 86 Mortise and Type 161 Cylindrical Locks (ANSI 156.13 Series 1000 and ANSI 156.2 Series 4000).
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at the latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel.

#### Dimensions

2-1/2" Wide x 9-1/2" High  
 Stud center to center: 8-1/2"

#### Finishes

Ives Number	USP	US32D
BHMA	600	630



**LG11 Lock Guard**

- Designed for use on aluminum doors with latch-type locks or doors equipped with electric strikes.
- Unit is Handed - Specify left or right hand when ordering.
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel.

**Dimensions**

2-1/2" Wide x 9-1/2" High  
 Stud center to center: 8-1/2"

**Finishes**

Ives Number	US32D	SP313
BHMA	630	695



**LG12 Lock Guard**

- Narrow design unit for use on rose or escutcheon 3-1/2" or less.
- For use with Type 86 Mortise and Type 161 Cylinder Locks (ANSI 156.13 Series 1000 and ANSI 156.2 Series 4000).
- No exposed fasteners on face of unit.
- Unique design provides maximum security, virtually eliminating the opening between door and frame at the latch point.
- Available in 13 Gauge Stainless Steel or 12 Gauge Steel

**Dimensions**

1-1/2" Wide x 9-1/2" High  
 Stud center to center: 8-1/2"

**Finishes**

Ives Number	USP	US32D
BHMA	600	630

A  
Hinges & Pivots

B  
Pulls & Plates

C  
Flush Bolts & Coordinators

D  
Latches, Catches & Bolts

E  
Stops

F3  
Exterior Hardware

G  
Miscellaneous Hardware



Surface mounted closer

# 4110 Series

Overview

The 4110 is LCN's best performing heavy duty closer with an adjustable spring and possible hold-open point beyond 140 degrees, meeting ADA requirements. Backed by a 30 year warranty, the cast iron body and all weather fluid offer versatility in high traffic applications.



Cylinder

### 4111(6)-3071

Cast iron cylinder assembly

**Handing**

Handed

**Sizing**

Adjustable spring size 1-5, or sized 6

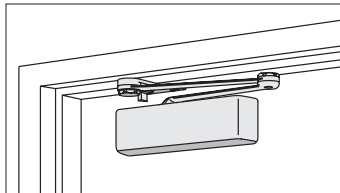
Includes patented Green Dial

- 4111 (adjustable from size 1 to 5)
- 4116 (Size 6; DEL, SHCUSH or HCUSH arm not available)

Available cylinder options

DEL	Delayed action cylinder
AVB	Advanced variable backcheck

Mounting



Parallel arm (push side)



## Finishes

### Powder coat finishes



**689**  
Aluminum



**690**  
Statuary Bronze



**691**  
Light Bronze



**693**  
Black



**695**  
Dark Bronze



**696**  
Brass

150+ additional custom colors available using the RAL numbering system

### Metal plated finishes



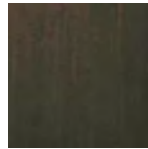
**632**  
Bright Brass



**633**  
Satin Brass



**639**  
Satin Bronze



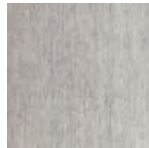
**616**  
Satin Bronze, Blackened



**646**  
Satin Nickel



**651**  
Bright Chrome



**652**  
Satin Chrome

### Available finish options

MTLPC	Brite metallic: Custom powder coat finish, which resembles that of 651 or 652 plated finish.
SRI	For installations where a higher level of protection against weather conditions, or the effects of a potentially corrosive atmosphere is required, LCN offers a special rust inhibiting (SRI) process. Ferrous metal components receive an SRI pretreatment and a standard powder coat finish of your choice, or a custom powder coat finish for a nominal additional cost. Closers treated with the SRI process exceed the 100 hour protection level available with standard LCN powder coated finishes.

## Covers

### Standard cover



#### 4110-72

##### Plastic cover

- Non-handed
- Standard

### Optional cover



#### 4110-72MC

##### Metal cover

- Handed
- Required for plated finishes and custom powder coat finishes
- Optional

### Arms



**4110-3049EDA**  
**Hold-open arm**

- Handed
- Optional
- Provides hold-open function, adjustable at shoe



**4110-3049FL**  
**Fusible link arm**

- Handed
- Releases hold-open function adjustable at shoe when exposed to temperatures above 165° F
- Optional
- NOTE: Check local codes before specifying FL arms. NOT A life safety product!



**4110-3077CNS**  
**Cush-N-Stop arm**

- Non-handed
- Features solid forged steel main arm and forearm with built-in stop in soffit shoe



**4110-3077EDA**  
**Extra duty arm**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations



**4110-3077EDA/ 62G**  
**Extra duty arm**

- Non-handed
- Features forged, solid steel main and forearm for potentially abusive installations
- Optional 4110-62G thick hub shoe for blade stop clearance



**4110-3049CNS**  
**HCUSH arm**

- Non-handed
- Provides hold-open function with templated stop/ hold-open points.
- Handle controls hold-open function



**4110-3077SCNS**  
**Spring CUSH arm**

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Optional



**4110-3049SCNS**  
**Spring HCUSH arm**

- Non-handed
- For abusive applications features solid forged steel main arm and forearm with spring loaded stop in the soffit shoe
- Handle controls hold-open function
- Optional

## Installation accessories



### 4110-18

#### Plate

- Required for push side mount where top rail is less than 5 1/8" (130 mm), measured from the stop
- Requires minimum 2" (51 mm) minimum top rail



### 4110-30

#### CUSH shoe support

- Provides anchorage for fifth screw used with CUSH arm, where reveal is less than 3 1/16" (78 mm)



### 4110-61

#### Blade stop spacer

- Lowers parallel arm shoe to clear 1/2" (13 mm) blade stop



### 4110-419

#### PA flush panel adapter

- Provides horizontal mounting surface for CUSH shoe on single rabbetted or flush frame

## Fasteners

Self-reaming and tapping screws included standard

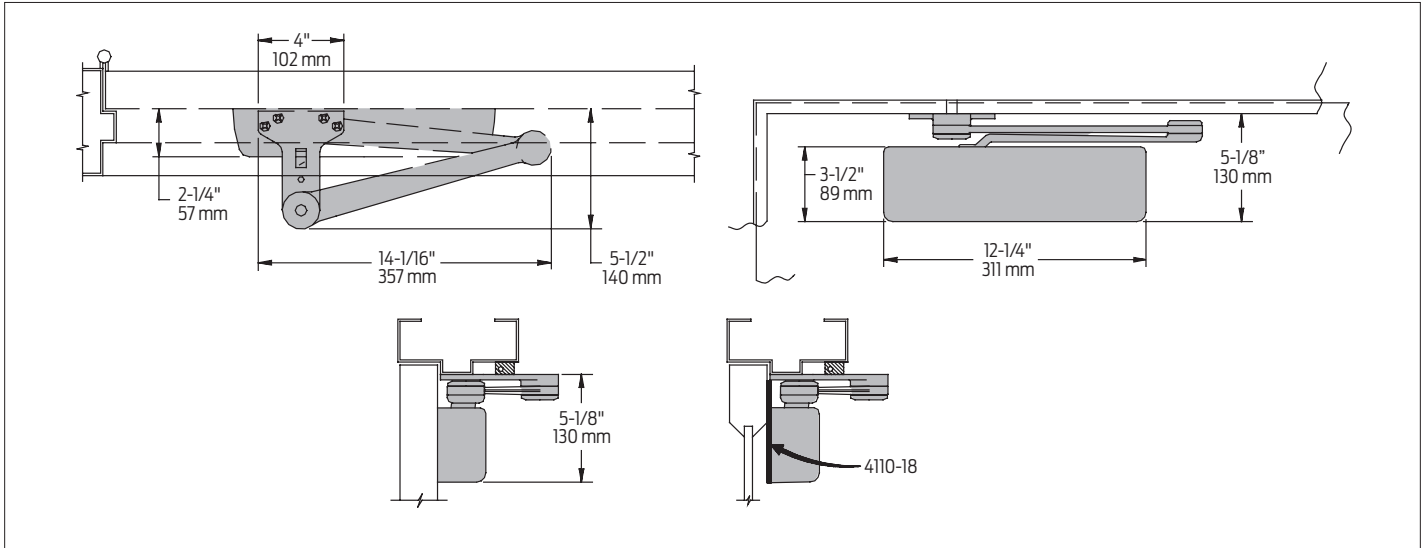
### Fastener pack options

TBSRT	TB <sup>1</sup> with self-reaming and tapping screws
WMS	Wood and machine screw
TBWMS	TB <sup>1</sup> , wood and machine screw
TORX	TORX machine screw
TBTRX	TB <sup>1</sup> and TORX machine screw

<sup>1</sup> Specify door thickness if other than 1 3/4"

## Dimensions and mounting

### Parallel arm (push side) mounting



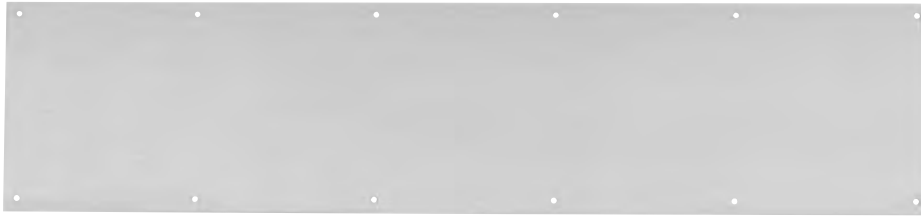
## Specifications

Accessibility	Available with less than 5.0 lbs. opening force on 36" door
Certifications/ approvals	<ul style="list-style-type: none"> <li>■ Grade 1 - ANSI A156.4</li> <li>■ UL 10C</li> <li>■ Meets BAA - Buy American Act</li> </ul>
Degree of operation	<p>EDA</p> <p>Max opening: 180°</p> <p>Hold open: 180°</p> <p>Cush</p> <p>Max opening: 110°</p> <p>Hold open: 110°</p>
Environmental conditions	<ul style="list-style-type: none"> <li>■ Approved for interior use</li> <li>■ Approved for exterior use (SRI coated only)</li> <li>■ LCN's standard all weather fluid performs to temperature ranges from 120°F (49°C) to -30°F (-35°C)</li> <li>■ LCN's powder coat finish surpasses 100 hours of salt spray which is over four times the ANSI standard for corrosion resistance.</li> </ul>
Warranty	30 years
Standard features	<ul style="list-style-type: none"> <li>■ Cast iron body</li> <li>■ Full complement bearing</li> <li>■ 1 1/2" diameter piston</li> <li>■ 1/16" diameter double heat treated pinion journal</li> </ul>

### 8400 Series Protection Plates

- Door protection plates are available in .050" thick brass, stainless steel or aluminum; and 1/8" thick high impact polyethylene in clear or black.
- Bevel edge options; specify B4E for all four edges.
- Mounting screw pack furnished standard, 16 screws per pack. Optional screw packs are available for TEK or TORK screw heads. Refer to the following chart for ordering.
- Specify NMH for no mounting holes. (Not available on 8402)
- Specify NMH-A for no mounting holes with adhesive. (Not available on 8402)
- Specify CS for counter sunk mounting holes.
- Specify ERS prepped with extra row of screws.

**Kickplate Gasket Tape** Tape is recommended when using a brass plate on a metal door to reduce tarnishing from electrolytic oxidation. One tape pack will cover an the perimeters of a 8" x 34" kickplate. Order 8401 Gasket Tape.



### 8400 Protection Plate 8402 (UL)\* Protection Plate

\*UL mark appears in upper right corner. Factory supplied screws must be used.

Number of screw packs required by plate size (specify TEK Screws or TORK screws).

	22"-25"	26"-33"	34"-41"	42"-48"
4"-8"	1	1	1	1
9"-16"	1	1	1	1
17"-24"	1	1	1	2
25"-32"	1	1	2	2
33"-40"	1	2	2	2
41"-48"	2	2	2	2

#### Finishes brass 24" x 48" max. size

US Number	US3	US4	US10	US10B	US15	US26	US26D
BHMA	605	606	612	613	619	625	626

#### Finishes stainless steel

US Number	US32	US32D
BHMA	629	630

#### Finishes aluminum

US Number	US28
BHMA	628

#### Finishes plastic

Clear and Black
-----------------

Residential Grade Kickplates available Carded only, finishes PA28, PA3, PA619, PA716, B3, B505, B619, B716

A  
Hinges & Pivots

B14  
Pulls & Plates

C  
Flush Bolts & Coordinators

D  
Latches, Catches & Bolts

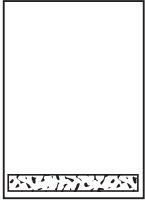
E  
Stops

F  
Exterior Hardware

G  
Miscellaneous Hardware

**A**

Hinges & Pivots



### Mop Plates

- Protect the bottom of the pull side of door subject to cleaning and mopping procedures.
- Size Ranges: 4" to 6" high, 22" to 48" wide

**B18**

Pulls & Plates

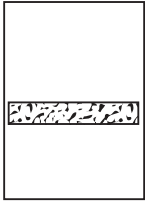


### Kick Plates

- Protect the bottom of the push side of doors subject to scuffing from foot traffic.
- Recommended for all doors subject to normal use (especially doors using a closer).
- Size Ranges: 8" to 24" high, 22" to 48" wide

**C**

Flush Bolts & Coordinators

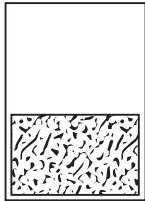


### Stretcher Plates

- Protect doors at specific areas where consistent contact is made by stretchers, service carts or other equipment.
- Usually applied to push side of doors.
- Specify "B4E" Option for beveled edges.
- Size Ranges: 6" to 8" high, 22" to 48" wide

**D**

Latches, Catches & Bolts



### Armor Plates

- Protect lower half of doors from abuse by hard carts, trucks and rough usage.
- Usually applied to push side of single doors and both sides of double acting doors.
- Size Ranges: 26" to 48" high, 22" to 48" wide

**E**

Stops

**F**

Exterior Hardware

**G**

Miscellaneous Hardware



**FS18S  
FS18L Floor Stops**

- Security Door Stops designed for use in high vandalism areas.
- Molded from black flame resistant, resilient material around a heavy-duty stud.
- Once grouted in concrete, leaves no exposed fasteners to be tampered with or removed.
- Ideal for jail or security cell areas where floor mounted stops are required.
- FS18L also ideal for concrete wall applications.

**Dimensions**

FS18S Height: 1-1/2"                      FS18L Height: 3-1/2"  
 FS18S Diameter: 2"                      FS18L Diameter: 2"  
 FS18S Stud Length: 2-1/2"              FS18L Stud Length: 2-1/2"

**FS434 Floor Stop**

- Burnished wrought steel.
- For undercut doors up to 1-1/2".
- Packed with screws and plastic anchors.
- Replaceable soft, resilient gray rubber.

**Dimensions**

Overall Height: 2-5/8"  
 Base Size: 1-1/2" W x 2-3/4" L

**Finishes**

Ives Number	USC
BHMA	604

**430 Floor Door Stop**

- Burnished wrought steel.
- For undercut doors up to 1-1/2".
- Packed with screws and plastic anchors.
- Replaceable soft, resilient gray rubber.

**Dimensions**

Overall Height: 1-5/16"  
 Base Diameter: 1-1/4"

**Finishes brass**

Ives Number	B3	B4	B5	B10B	B15	B26	B26D
BHMA	605	606	609	613	619	625	626

**Finishes aluminum**

Ives Number	A3*	A5	A14	A92
BHMA	666		669	673

\* only available in Slim-Pak of 25

A  
Hinges & Pivots

B  
Pulls & Plates

C  
Flush Bolts & Coordinators

D  
Latches, Catches & Bolts

**E5**  
Stops

F  
Exterior Hardware

G  
Miscellaneous Hardware





FS436  
Meets ANSI/BHMA 156.16, L12141 for brass or bronze and L32141 for aluminum.



FS438  
Meets ANSI/BHMA 156.16, L12141 for brass or bronze and L32141 for aluminum.

**FS436 Dome Stop**  
**FS438 Dome Stop**

- FS436 for doors without threshold.
  - FS438 for doors with threshold or undercut doors.
  - Heavy-Duty Cast Dome Stops constructed of brass, bronze or aluminum.
  - Packed with wood screw and plastic anchor.
- Replaceable gray, non-marring rubber bumper.

**Dimensions**

**FS436**

Overall Height: 1"  
Base Height: 3/16"  
Base Diameter: 1-3/4" x 2" Oval

**FS438**

Overall Height: 1-3/8"  
Base Height: 9/16"  
Base Diameter: 1-3/4" x 2" Oval

**Finishes** *brass*

Ives Number	US3	US4	US5	US10	US10B	US15	US26	US26D	B716
BHMA	605	606	609	612	613	619	625	626	

**Finishes** *aluminum*

Ives Number	US28
BHMA	628

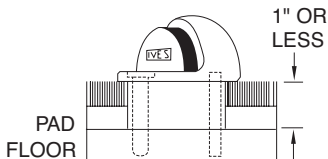
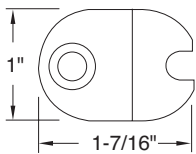


**R435 Riser for FS436 Dome Stop**  
**R437 Riser for FS438 Dome Stop**

- Extruded aluminum, mill finish.
- R435 for conversion of FS436 Dome Stop to carpet installation.
- R437 For conversion of FS438 Dome Stop to carpet installation.
- Packed with wood screws, lead shield and stud.
- Specify Tampin (TPN) if required.

**Dimensions**

Available in 1/4", 3/8", 1/2", 5/8", 3/4" and 1" height.



A  
Hinges & Pivots

B  
Pulls & Plates

C  
Flush Bolts & Coordinators

D  
Latches, Catches & Bolts

E3  
Stops

F  
Exterior Hardware

G  
Miscellaneous Hardware



2720 Tobey Drive, Indianapolis, IN 46219  
 Tel 1-877-671-7011 ■ Fax 800-851-0000  
 Zero.Customer.Support@allegion.com  
 www.zerointernational.com

Part No:

429

Part description:

Head & jamb gasketing

Notes:

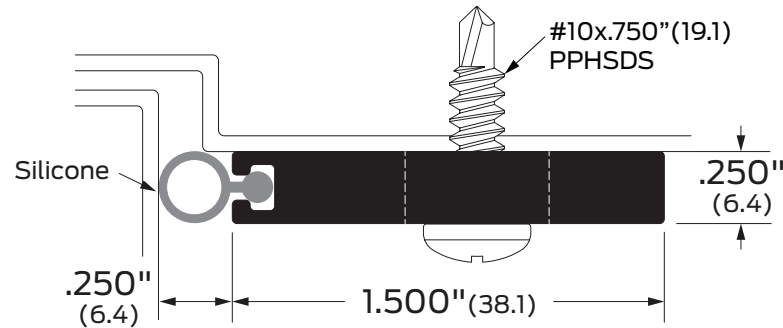
Provided by:

Customer name:

Job no:

Date:

Image may not be shown to scale



Notes:

Gasketing protection for closer bracket or door coordinator.

Certifications:

- Fire rated-UL10c
- Smoke and draft control

ANSI/BHMA:

429AA, 429BK, 429D, 429G

R3E164

Finishes:

- AA** Aluminum clear anodized
- BK** Aluminum black anodized
- D** Aluminum dark bronze anodized
- G** Aluminum gold anodized

Options:

- S** Order as a set
- SEC** Security screws





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 Tel 1-877-671-7011 ■ Fax 800-851-0000  
 Zero.Customer.Support@allegion.com  
 www.zerointernational.com

Part No:

39

Part description:

Door sweep

Notes:

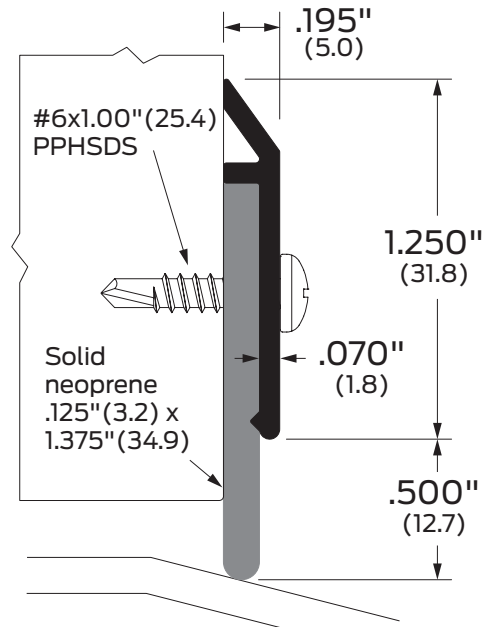
Provided by:

Customer name:

Job no:

Date:

Image may not be shown to scale



Certifications:

Fire rated-UL10c

ANSI/BHMA:

39A, 39BK, 39D, 39G

R3B434

Finishes:

- A** Aluminum mill finish
- BK** Aluminum black anodized
- D** Aluminum dark bronze anodized
- G** Aluminum gold anodized

Options:

- S** Order as a set
- SEC** Security screws





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 Tel 1-877-671-7011 ■ Fax 800-851-0000  
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 www.zerointernational.com

Part No:

547

Part description:

Saddle threshold

Notes:

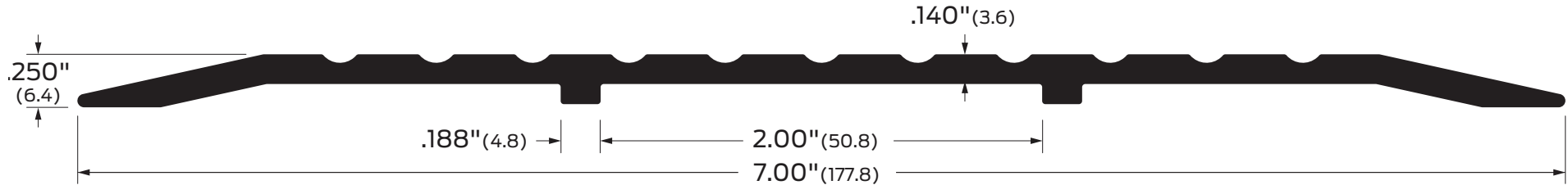
Provided by:

Customer name:

Job no:

Date:

Image may not be shown to scale



Notes:

Supplied without mounting holes.

Certifications:

- Fire rated-UL10c
- ADA Accessible

ANSI/BHMA:

- 547A, 547BK, 547D, 547G J32100, J32130
- 547A-E, 547BK-E, 547D-E, 547G-E J32200, J32230



Finishes:

- A** Aluminum mill finish
- BK** Aluminum black anodized
- D** Aluminum dark bronze anodized
- G** Aluminum gold anodized

Options:

- E** Epoxy abrasive tread
- EL** Photoluminescent and abrasive epoxy tread
- V3** Full body strength fill
- EV3** Epoxy and full body strength fill
- ELV3** Photoluminescent and abrasive epoxy tread, full body strength fill



# Enrollment readers

## Overview

Schlage® offers a comprehensive portfolio of electronic access control solution products. Create a simple enrollment process with the Schlage CRM2 magnetic stripe enrollment reader, Schlage CRP2 proximity enrollment reader or the Schlage MT20 USB multi-technology enrollment reader with ENGAGE technology.



## Features and benefits

### **CRM2 Magnetic Stripe Credential Enrollment Reader and CRP2 Proximity Credential Enrollment Reader**

- Design allows easy enrollment of credentials into the Schlage Express access control system (version 4.0 and higher)
- Eliminates the need for manual data entry and provide error-free identification and security throughout the facility
- Allows for keystrokes to be added before and after the card's data, providing flexibility and data customization
- Reads data from any data track location on the card
- USB connectivity
- Plug-and-play functionality

### **The Schlage MT20 Multi-Technology Enrollment Reader**

- Design simplifies the enrollment of smart and multi-technology credentials
- Access rights can be assigned to a user without property staff having to visit the lock
- USB cable powers the device
- Use Wi-Fi connection for enrollment including no-tour credentials
- Use a computer and the ENGAGE web app to easily enroll credentials
- Recognizes Schlage smart and multi-technology credentials
- Limited Lifetime Warranty

**CYBERSECURITY**

Learn about Allegion's commitment



Model	MT20
Reader type	USB
Software and operating system requirements	N/A - USB
Bit formats recognized	26A, 32X, 34N, 34S, 35C, 37X, 37H, 40X
Technologies supported	Schlage Proximity HID® Proximity GE/CASI ProxLite® AWID® Proximity LenelProx® Schlage MIFARE Classic Secure Sector Schlage MIFARE Plus Secure Sector Schlage MIFARE DESFire EV1 or EV2 with PACSA Secure Sector DESFire® CSN HID iClass® CSN Inside Contactless PicoTag® CSN ST Microelectronics® CSN Texas Instruments Tag-It® Serial Number Phillips I-Code® CSN
Physical dimensions (L x W x H)	5.56" x 2.00" x .695"
Operating temperatures	32° to 104° F (0° to 40° C)
Weight	4.1 oz
Power supply	Connect to powered USB port or via USB power supply
Interface	USB
Current requirement	160 mA
Default configuration	CE-401-073, for use with ENGAGE web applicaton
Octal output	CE-401-061, for use with SMS Express
FC/BID output	CE-401-060 (SUSB89 default,) for use as keystroke emulator
BID only	CE-401-069, for use as keystroke emulator



Model	CRP2
Typical maximum read range	1.0" – 3.0" (2.5 – 7.6 cm) dependent upon proximity card type and environmental conditions
Dimensions (H x W x D)	3 3/8" x 2" x 0.6"
Weight	0.45 lbs (12.7g)
Power supply and interface	USB self-powered
Indicators	Tri-state LED, beeper
Transmit frequency	125 kHz
Operating temperature range	-22° to 150°F (-30° to 65°C)
Operating humidity range	5% to 95% relative humidity, non-condensing
Storage temperature range	-40° to 185°F (-40° to 85°C)
Certifications	FCC, United States; CE Mark Europe, C-tic Australia, RoHS
Warranty	One year for material/workmanship and defects



Model	CRM2
Desktop dimensions (H x W x D)	3.674" x 1.325" x 1.193" (93.32 x 33.65 x 30.3 mm); Optional base: 3.375" x 3.5" x 0.5" (86 x 89 x 13 mm)
Desktop weight	4.6 oz (136 g); Base: 13 oz (369 g)
Media thickness	0.015" (0.127 mm) to 0.038" (1.14 mm)
Slot width	0.040" (1.0 mm)
Swipe speed	3 to 60 inches per second, bi-directional
Power supply and interface	USB: self-powered; RS-232 [DB9F] model: 5V supplied by either PS/2 keyboard pass-through or USB power tap
Indicators	Tri-state LED, beeper
Operating temperature range	32° to 131°F (0° to 55°C)
Operating humidity range	5% to 95% relative humidity, non-condensing
Storage temperature range	-22° to 158°F (-30° to 70°C)
Cable length	6 foot articulated cable
Operating life	1,000,000 cycles minimum
Warranty	One year for material/workmanship and defects

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Allegion (NYSE: ALLE) is a global pioneer in safety and security, with leading brands like CISA®, Interflex®, LCN®, Schlage®, SimonsVoss® and Von Duprin®. Focusing on security around the door and adjacent areas, Allegion produces a range of solutions for homes, businesses, schools and other institutions. Allegion is a \$2 billion company, with products sold in almost 130 countries. For more, visit [www.allegion.com](http://www.allegion.com).

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# Proximity credentials



## Overview

Schlage® proximity credentials provide a convenient access control solution for facilities with less demanding security needs. Schlage proximity credentials are compatible with most industry-leading proximity readers, allowing them to easily integrate with new and existing proximity access control systems. From highly durable clamshell-style cards to the standard ISO style cards, keyfobs or PVC adhesive disks, Schlage offers a variety of credential formats to support a broad range of access control applications.

## Features and benefits

- 125 kHz proximity technology available in multiple form factors
- Easily integrates into existing proximity systems
- CardTrax account tracking program helps keep track of card numbers at no additional cost
- Lifetime warranty against manufacturer's defects
- Custom artwork and laser engraving available
- Available in ISO style cards and can include a magnetic stripe.
- Available in multiple memory capacities



## 125 kHz proximity credentials

Model number	7410	7510	7610	7610T	7010
Credential type	Clamshell	ISO glossy white <sup>1</sup>	Keyfob	Thin keyfob	PVC adhesive disk
Credential technology; ISO standard	Proximity	Proximity	Proximity	Proximity	Proximity
Magnetic Stripe available	No	Yes <sup>2</sup>	No	No	No
Dimensions (H x W x T)	3.37" x 2.125" x 0.075"	3.37" x 2.125" x 0.033"	2" x 1.24" x 0.38"	1.77" x 1.18" x .06"	1.38 or 35 mm diameter
Slot punch <sup>3</sup> (printed guide included on ISO cards)	Vertical (standard)	Vertical or horizontal (optional)	Keyring	Keyring	N/A
Warranty	Limited lifetime - Credentials have a lifetime warranty against manufacturers defects. See sales policy for complete warranty details.				

<sup>1</sup> ISO glossy white style credentials are made from composite material, are printable, and can include a magnetic stripe as an option

<sup>2</sup> Add MI to the model number for a magnetic stripe when ordering. Vertical slot punch not available on magnetic stripe cards.

<sup>3</sup> Add SPV (vertical) or SPH (horizontal) your credential order for a slot punch. Vertical slot punch comes standard on all clamshell order. Vertical and horizontal slot punch are optional on ISO cards. Vertical slot punch not available on magnetic stripe cards.

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# Schlage Utility Software (SUS)

utilizing the SUS-A cable



## Overview

The Schlage Utility Software (SUS) mobile app for Android devices is designed specifically for use with the SUS-A cable to set up and act as the link between access control software and select Schlage® electronic locks and accessories. This new SUS mobile app and cable replaces the current SUS and HHD solution.

The SUS and SUS-A cable are used with networked and offline locks to initialize and configure devices, test operational status, perform ongoing system maintenance and update device firmware.

In addition, for offline devices, the SUS solution is utilized to transfer access control data from the Schlage Express access control software (such as authorized user lists) via the mobile device and cable to the locks or accessories. SUS is also utilized to download audit trail information from locks to the mobile device and then transfer that data to Schlage Express for analysis and storage.

The intuitive screen layout of the free SUS mobile app provides easy navigation during use. The SUS-A cable is an all-in-one solution with separate connectors – USB-A for our USB enabled devices and a 2-pin serial connection for our serial enabled devices – to connect the mobile device to the locks.

## Features and benefits

- Intuitive, free SUS mobile app for Android devices
- Single cable for Schlage AD and CO Series locks and legacy devices
- Facilitates initialization of locks and accessories
- Configures and tests devices
- Simplifies firmware updates
- Import/Export Device Configuration feature simplifies configuration process
- Ability to reclass Schlage AD Series locks
- Manager and Operator user modes

## Features and specifications

<b>Initialize lock and accessories</b>	Yes
<b>Field configure devices</b>	<ul style="list-style-type: none"><li>▪ Credential reader formats</li><li>▪ Lock function</li><li>▪ Unlock period</li><li>▪ Failure mode</li><li>▪ Audible alarm on/off</li></ul>
<b>Offline devices</b>	<ul style="list-style-type: none"><li>▪ Manage up to 100 unique door files</li><li>▪ Retrieve audit trails from up to 100 devices</li></ul>
<b>Networked devices</b>	<ul style="list-style-type: none"><li>▪ Communication settings</li><li>▪ Validate status monitor</li></ul>
<b>Service and diagnostics</b>	<ul style="list-style-type: none"><li>▪ Battery status</li><li>▪ Validate hardware and software revision</li><li>▪ Troubleshooting status signals</li><li>▪ Firmware upgrades</li></ul>

### Device compatibility

SUS mobile app and SUS-A cable are compatible with the following Schlage devices

- AD-400/401/402, AD-300/301/302 locks, AD Series readers
- PIM400 (RSI and TD2), WPR400, WPR401, PIB300
- BE367/FE210 (SPED) locks
- AD-200 locks (compatible in late 2020)
- AD-201, AD-250, CO-200, CO-220, CO-250 locks, WRI400, CT5000 controller, CM, CL, KC2 locks (compatible in 2021)

If you are unsure if your devices are compatible with the new SUS mobile app and SUS-A cable please contact technical support at 877-671-7011 (Option 2).

If you require SUS functionality prior to the new SUS solution being compatible with your devices, the legacy SUS/HHD and appropriate cables will be available for a limited time to allow communications with your CO Series or older Schlage electronic locks (CM, CL, KC2, etc.) See the [Schlage Utility Software \(SUS\) on the Handheld Device \(HHD\) data sheet](#) for more information.

### Android mobile device

#### Recommendations

- Android Pie 9.0 or newer (minimum SDK 28)
- For optimum performance, the SUS mobile app has been tested with flagship Android devices from major manufacturers including:
  - Google Pixel 3 or newer
  - Moto G6 or newer
  - Samsung S8 or newer
- Mobile phones are not available for purchase from Allegion
- Cellular plan is not required
- Apple devices are not compatible with the SUS and SUS-A cable solution

### Firmware requirements

- Device firmware needs to be at a minimum version to function correctly with the SUS mobile app and SUS-A cable
  - AD Series: AD.A.130
  - SPED: V1.30

### Ordering information

- 47282796 SUS A-KIT SUS-A Kit – USB and 2-pin Android cable
- SUS mobile app for compatible Android devices running Android Pie 9.0 or newer is available at no charge in the Google Play store – search for “Schlage Utility Software - SUS”

### About Allegion

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**ALLEGION™**

## SmartRack 12U Low-Profile Switch-Depth Wall-Mount Small Rack Enclosure, Clear Acrylic Window, Hinged Back

MODEL NUMBER: SRW12USG



Wall-mount cabinet secures and organizes 12U of 19-inch rack equipment up to 20.5 inches deep in locations with limited floor space. Clear acrylic window allows you to monitor equipment without unlocking door.

### Description

The SRW12USG SmartRack 12U Low-Profile Switch-Depth Wall-Mount Rack Enclosure Cabinet is designed to house EIA-standard 19-inch rack equipment in network wiring closets, retail locations, classrooms, back offices and other areas with limited floor space where you need equipment to be secure, organized and out of the way. Constructed from heavy-duty steel with a durable black powder-coated finish, the cabinet has a maximum load capacity of 200 lbs (90.7 kgs).

The front door features a shatter-resistant clear acrylic window that lets you monitor equipment readouts without unlocking the enclosure. Not only does the window help prevent equipment tampering and reduce acoustic noise, but it also adds visual flair to your IT installation.

The cabinet swings away from the wall on a sturdy hinge, allowing easy back-door access to equipment and cabling during installation and maintenance. The doors and side panels lock securely to help prevent damage, tampering or theft. The top, bottom and removable side panels are vented, which allows air to flow freely and keep equipment cool. The reversible doors can open left or right by rotating the cabinet 180° before mounting. Convenient top and bottom ports allow easy cable routing.

The SRW12USG comes fully assembled and ready to mount to the wall, or use Tripp Lite's optional SRCASTER rolling caster kit to make it a mobile rack. Square and 12-24 threaded mounting holes and numbered rack spaces make equipment installation easy. The vertical mounting rails adjust in 7/8-inch increments to accommodate equipment up to 20.5 inches deep, such as network switches and patch panels.

### Features

#### Saves Valuable Workspace

- Perfect for network wiring closets, retail locations, classrooms, back offices and other areas with limited floor space where you need equipment to be secure, organized and out of the way
- Houses EIA-standard 19 in. rack equipment in 12U of space
- Maximum load capacity of 200 lbs (90.7 kgs)

#### Hinged Cabinet for Convenient Access

- Swings away from the wall to allow easy back-door access to equipment and cabling during installation

### Highlights

- Maximum load capacity of 200 lbs (90.7 kgs)
- Swings away from wall on hinge for easy back-door access
- Front door includes shatter-resistant clear acrylic window
- Locking steel cabinet vented at sides, top and bottom
- Secures 12U of 19 in. rack equipment up to 20.5 in. deep

### Package Includes

- SRW12USG SmartRack 12U Low-Profile Switch-Depth Wall-Mount Rack Enclosure Cabinet
- (20) M6 screws
- (20) M6 cage nuts
- (20) M6 washers
- (20) 12-24 screws
- (2) Keys
- Owner's manual

**Tropico Middle School  
Expansion Project  
IDF Cabinet cutsheet**



**Tropico Middle School  
 Expansion Project  
 IDF Cabinet cutsheet**

and maintenance

- Rotate cabinet 180° before mounting to open reversible doors left or right

**Shatter-Resistant Clear Acrylic Front Window**

- Lets you monitor equipment without unlocking the enclosure
- Prevents equipment tampering
- Reduces acoustic noise
- Provides extra visual flair

**Keeps Important Equipment Secure**

- Side panels and doors lock securely to help prevent damage, tampering or theft
- Vented panels allow generous airflow that keeps equipment cool
- Convenient ports with removable covers allow cable routing through top and bottom

**Easy Enclosure and Equipment Installation**

- Ships fully assembled for quick installation
- Mounts to wall or rolls on floor with Tripp Lite's optional SRCASTER caster kit
- Wall-mounting holes spaced 16 in. apart for standard wall stud placement
- Vertical mounting rails adjust in 7/8 in. increments to accommodate equipment up to 20.5 in. deep, such as network switches and patch panels
- Rails support square-hole or 12-24 threaded-hole mounting
- Rack spaces numbered for easy reference

**Meets Payment Card Industry Standards**

- Provides physical equipment and media security required for PCI DSS (Payment Card Industry Data Security Standard) compliance

## Specifications

OVERVIEW	
UPC Code	037332154859
Device Compatibility	Patch Panel; Network Switch; UPS
Rack Type	Enclosure
PHYSICAL	
Color	Black
Factory Preset Rack Depth (in.)	10.42
Factory Preset Rack Depth (cm)	26.5
Factory Preset Rack Depth (mm)	265
Maximum Device Depth (cm)	52.07
Maximum Device Depth (in.)	20.5



**Tripp Lite**  
1111 W. 35th Street  
Chicago, IL 60609 USA  
Telephone: 773.869.1234  
www.tripplite.com

Maximum Device Depth (mm)	521
Minimum Device Depth (cm)	7.62
Minimum Device Depth (in.)	3
Minimum Device Depth (mm)	76
Rack Height	12U
Shipping Dimensions (hwd / cm)	66.04 x 61.72 x 71.12
Shipping Dimensions (hwd / in.)	26.00 x 24.30 x 28.00
Shipping Weight (kg)	29.94
Shipping Weight (lbs.)	66.00
Unit Dimensions (hwd / in.)	25 x 23.63 x 21.6
Unit Dimensions (hwd / cm)	63,5 x 60 x 54,86
Unit Weight (lbs.)	60
Unit Weight (kg)	27.22
Weight Capacity - Stationary (kg)	91
Weight Capacity - Stationary (lbs.)	200
Rack Depth	Shallow
Number of Vertical Mounting Rails	4
<b>FEATURES &amp; SPECIFICATIONS</b>	
Grounding Lug	Front and Back door frames
<b>STANDARDS &amp; COMPLIANCE</b>	
Approvals	UL/CSA 60950-1, EIA-310-D, IEC 60297-3-100, IP20 Protection, RoHS
<b>WARRANTY</b>	
Product Warranty Period (Worldwide)	5-year limited warranty

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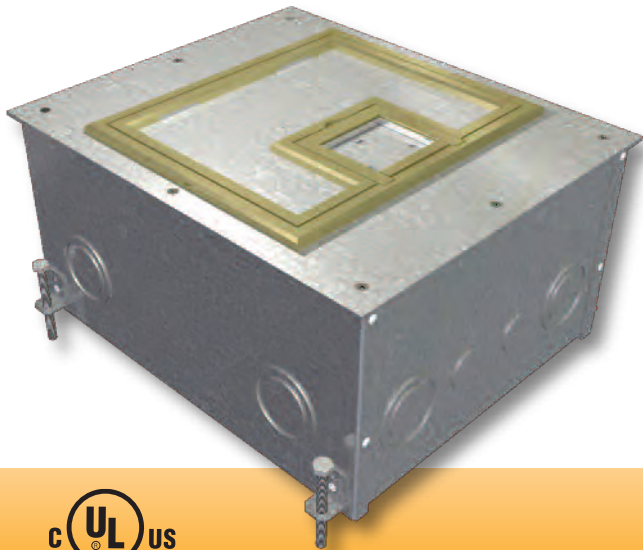
**Tropico Middle School  
Expansion Project  
IDF Cabinet cutsheet**

# FL-500P Floor Box

Tropico Middle School  
Expansion Project  
Floor Box cutsheet



FL-500P Floor Box



## NEW "TOOL-LESS" COVER DESIGN!

The cable access door can be easily removed by lifting the integrated U-Access handle to quickly access the interior compartment, connectors, and cables.

- 11-gauge steel temporary construction cover included
- 11-gauge finished steel cover with choice of carpet edging
- Mitered brass or aluminum carpet edging .5" or .25" high
- Stainless steel compression latches
- Lift-off full access door

**Scrub water approved for carpet, tile, and wood floors!**

### DESCRIPTION

Our FL-500P Floor Boxes combine rugged construction and an elegant design for use in carpet, tile, or wood covered floors over poured concrete applications. This makes it the perfect floor box for ballrooms, meeting rooms, public spaces, and high traffic areas. There is ample compartment room to accommodate power, audio, video, telecommunications, and data in one elegant and practical box.

There are a variety of covers to choose from. Options include integrated carpet edging, flat covers for non-carpeted, bare floor applications, and different finishes. The lift-off section of the cover allows full access to internal connector plates and stored cables. The hinged cable exit door flips back to allow the cover to remain in place after connections are made and cables are routed through it. The 0.25" and 0.5" raised edge style and solid covers are UL scrub water approved.

The innovation continues to the "transformable" box bottom. The FL-500P's internal brackets can be arranged to provide numerous options for both high and low voltage standard gang openings, making it the most flexible and easiest to install floor box available. Removable center dividers make passing cables through the various compartments a snap. Integral "Easy Pour" leveling feet are standard on all of the boxes. Several box depths are available. The 3" through 10" deep boxes are UL listed.

The unit includes all of the necessary internal plates and brackets to make "pre" and "post" pour compartment changes quick and easy. Using this system, both high and low voltage gang configurations, along with line voltage compartment isolation, can be implemented "on the fly". This makes just about any cabling / connector scenario possible.

### SPECIFICATIONS

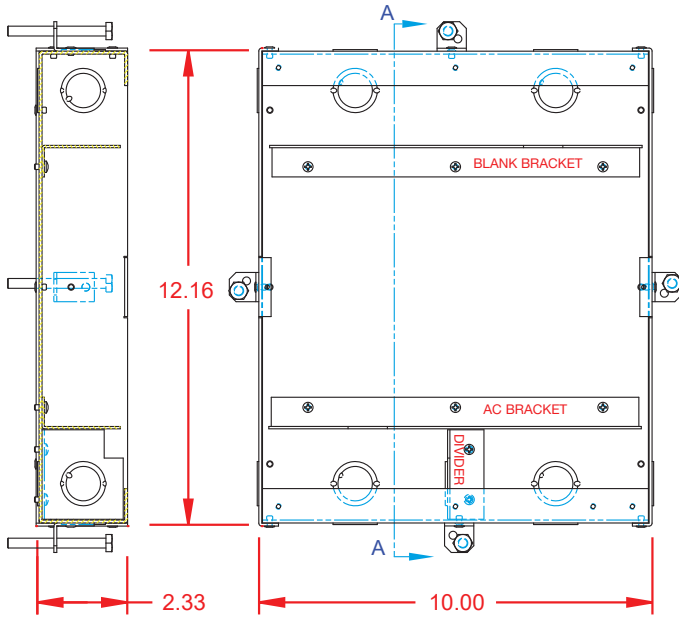
Size:	Box:	10" x 12" x depth
	Cover:	10.5" x 12.5" x .125"
Flanging:	Height:	.25" or .5"
	Material:	Brass or Aluminum Flat and Solid Covers also available

### KNOCKOUT SPECIFICATIONS

FL-500P-2.25"	
KO trade size	Qty/Box
1/2" / 3/4" Concentric	12
FL-500P-3"	
KO trade size	Qty/Box
3/4"	4
1"	4
3/4" / 1" Concentric	8
1" / 1-1/4" Concentric	4
FL-500P-4"	
KO trade size	Qty/Box
3/4"	8
1.00" / 1-1/4" Concentric	4
1.00" / 1-1/4" / 1-1/2" Concentric	8
FL-500P-6" thru 10"	
KO trade size	Qty/Box
3/4"	8
1.00" / 1-1/4" / 1-1/2" Concentric	12

# BOX BOTTOM DETAIL DRAWINGS

### FL-500P-2.25-B 2.25" Deep



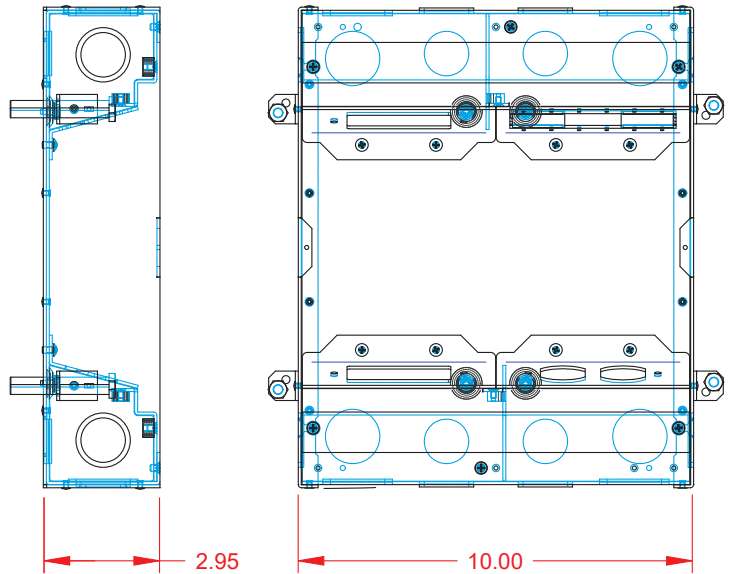
\* Optional brackets available for these box bottoms.  
See the ordering table for more information.

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Expansion Project  
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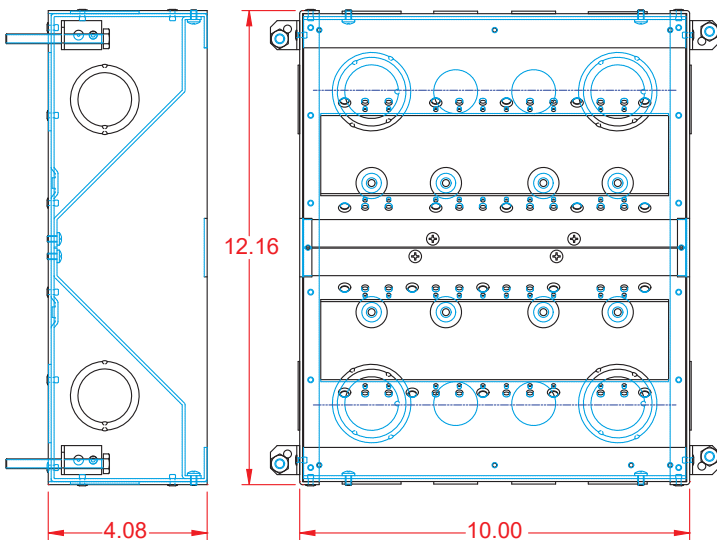
\* Optional brackets available for these box bottoms.  
See the ordering table for more information.



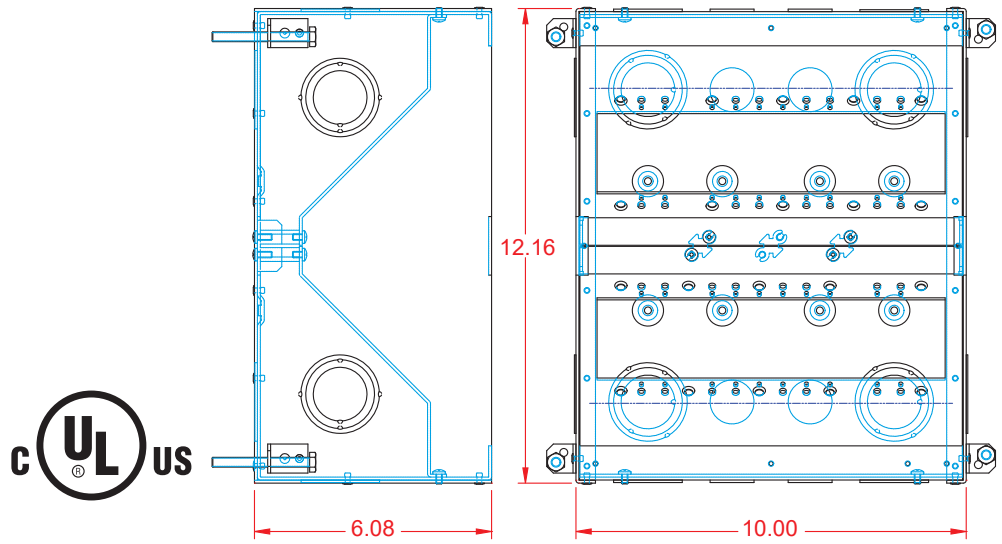
### FL-500P-3-B 3" Deep



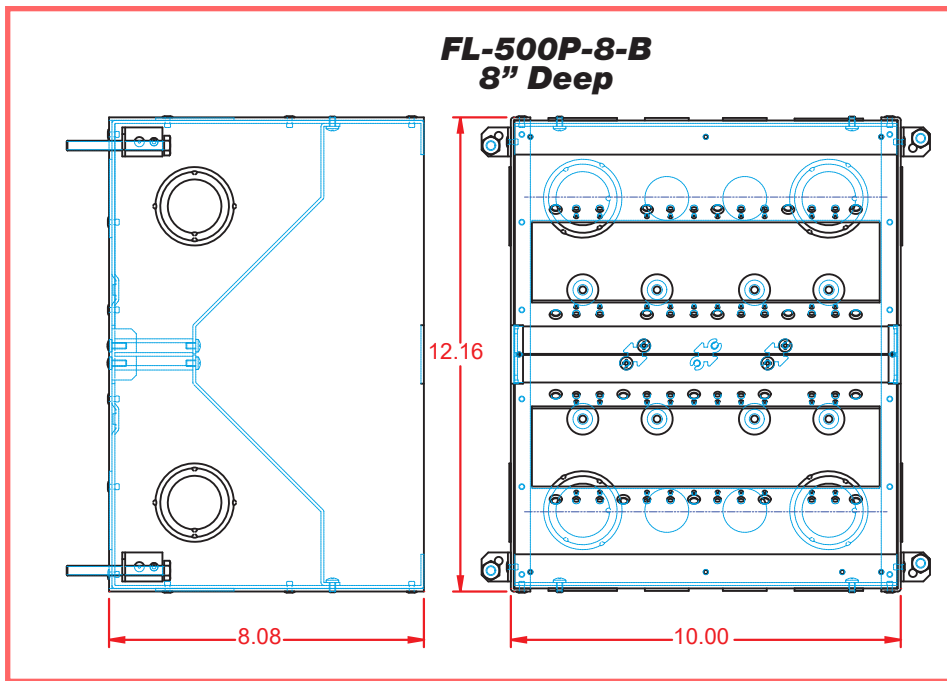
### FL-500P-4-B 4" Deep



**FL-500P-6-B**  
**6" Deep**



**FL-500P-8-B**  
**8" Deep**

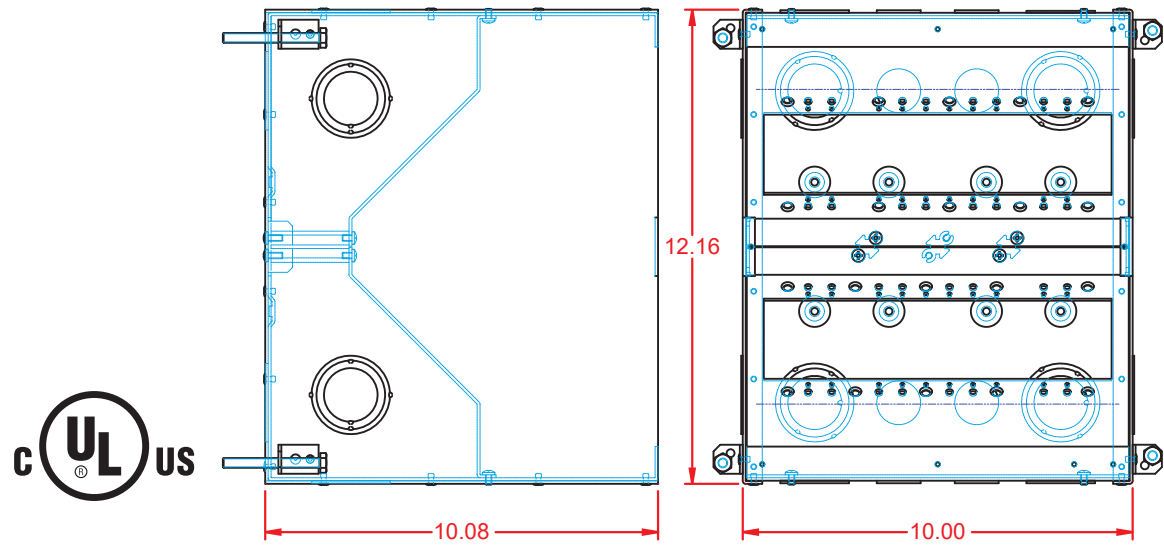


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**FL-500P-10-B**  
**10" Deep**

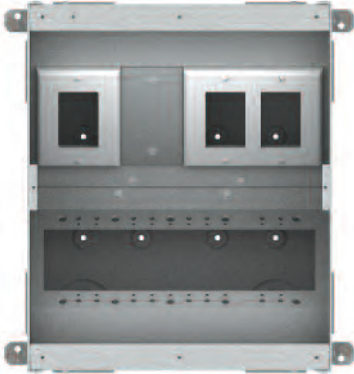




# PLATE CONFIGURATIONS

The box contains two identical brackets and either side can be configured as shown using the included parts.

**Plate Configuration 1-2**



**Plate Configuration 1-3**



**Plate Configuration 2-2**



**Plate Configuration 3-1**



**Plate Configuration 4**



*\*Decora plates shown for reference only.*

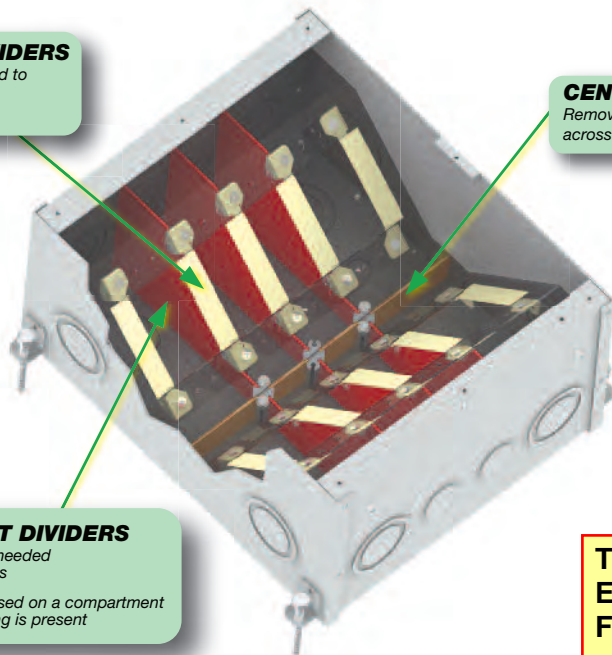
# FL-500P "TRANSFORMABLE" BOX BOTTOM

Only on 4" through 10" box bottoms.

**GANG PLATE DIVIDERS**  
Add and remove as needed to form a multitude of gang arrangement possibilities

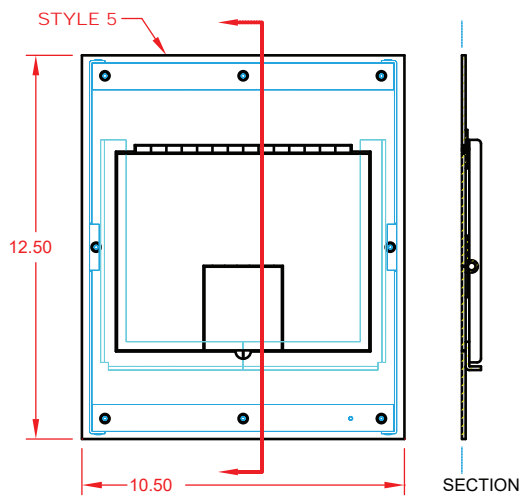
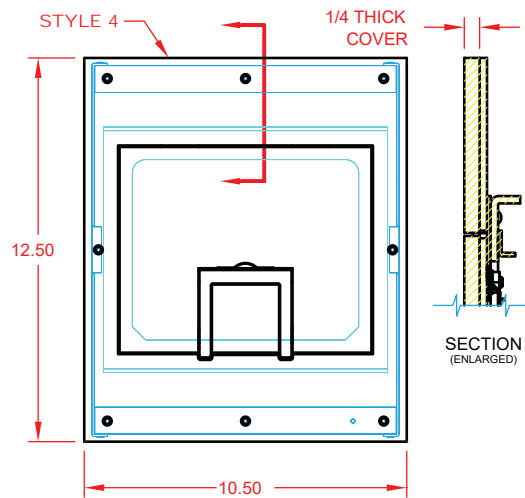
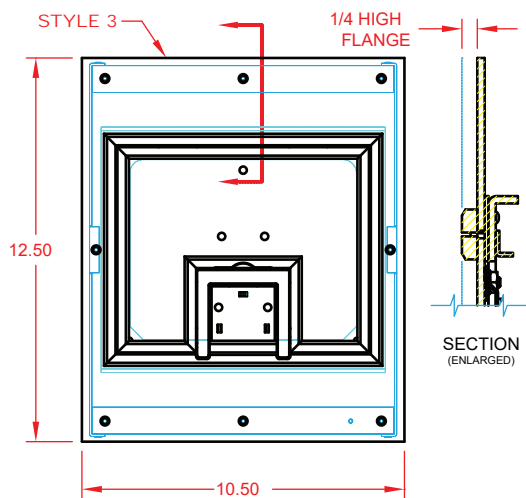
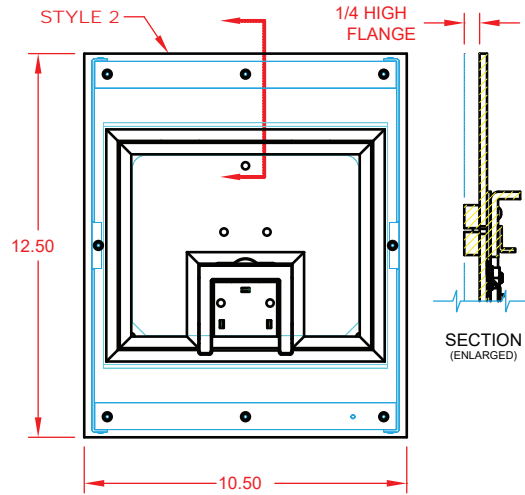
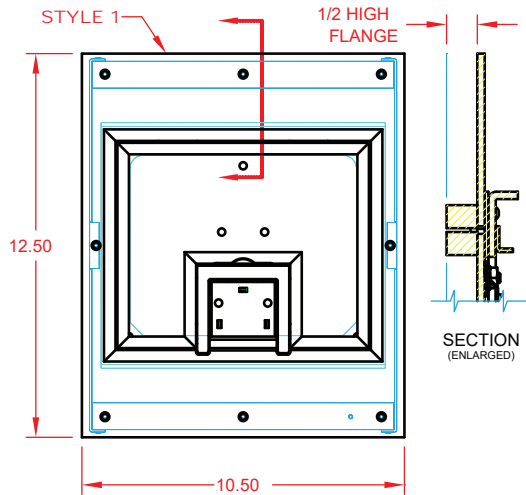
**CENTER DIVIDERS**  
Remove to run cables across compartments

**COMPARTMENT DIVIDERS**  
Remove or arrange as needed to isolate compartments  
**WARNING:** Must be used on a compartment where line voltage wiring is present



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Expansion Project  
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# COVER DETAIL DRAWINGS

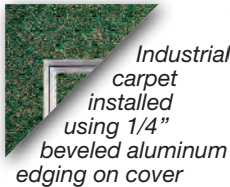


STYLE	DESCRIPTION
1	1/2" SQUARED FLANGE FOR CARPET OR TILE
2	1/4" SQUARED FLANGE FOR CARPET OR TILE
3	1/4" BEVELED FLANGE FOR CARPET
4	SOLID COVER, NO FLANGE**
5	SOLID COVER, NO FLANGE, HINGED**

**\*\*Note:** Cover Shim Kit (FL-500-CSK) may be required to set the height of box "Pre-Pour" so the top of Finish Cover matches top of finished floor.

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Expansion Project  
Floor Box cutsheet**

# COVER OPTIONS



Available in brass, aluminum or painted edging to compliment floor covering.

Not all cover color options are pictured. See the ordering table below for additional options.

**NEW**



The new U-Access cover design features a handle to easily lift the cover. All corner fasteners have been removed.

See a larger view at [bit.ly/1aKZzT6](http://bit.ly/1aKZzT6) or scan this QR Code



**Tropico Middle School Expansion Project Floor Box cutsheet**

## Floor Box Covers and box bottom ordering information

**FL-500P – Requires ordering Cover and box bottom separately**

Part #	Description
<b>U-Access Covers - UL Scrub Water Rated for Tile and Carpet Installations</b>	
FL-500P-B-C U-Access	FL-500P Cover With 1/2" Brass Square Flange (Lift off door)
FL-500P-BLP-C U-Access	FL-500P Cover With 1/4" Brass Beveled Flange (Lift off door)
FL-500P-BSQ-C U-Access	FL-500P Cover With 1/4" Brass Square Flange (Lift off door)
FL-500P-S-C U-Access	FL-500P Cover With 1/2" Aluminum Square Flange (Lift off door)
FL-500P-SLP-C U-Access	FL-500P Cover With 1/4" Aluminum Beveled Flange (Lift off door)
FL-500P-SSQ-C U-Access	FL-500P Cover With 1/4" Aluminum Square Flange (Lift off door)
FL-500P-PLP-GRY-C U-Access	FL-500P Cover with 1/4" Painted Beveled Flange - Gray (Lift off door)
FL-500P-PLP-CLY-C U-Access	FL-500P Cover with 1/4" Painted Beveled Flange - Clay (Lift off door)
FL-500P-PLP-BLK-C U-Access	FL-500P Cover with 1/4" Painted Beveled Flange - Black (Lift off door)
<b>U-Access Covers - UL Scrub Water Rated - No Carpet Trim**</b>	
FL-500P-SLD-ALM-C U-Access**	FL-500P Solid Cover w/ Cable Exit (No Flange) - Aluminum
FL-500P-SLD-BLK-C U-Access**	FL-500P Solid Cover w/ Cable Exit (No Flange) - Black
FL-500P-SLD-CLY-C U-Access**	FL-500P Solid Cover w/ Cable Exit (No Flange) - Clay
FL-500P-SLD-GRY-C U-Access**	FL-500P Solid Cover w/ Cable Exit (No Flange) - Gray
= for MCT/MCS/Concrete Flooring ** Shim kits may be required.	
<b>Covers</b>	
FL-500P-BLK-C	Cover (No Flange) With Hinged Door in Black Sandtex
FL-500P-OAK-C	Cover (No Flange) With Hinged Door in Lt. Oak Sandtex
FL-500P-SS-C	Stainless Steel Cover (No Flange) with Hinged Door
<b>Box Bottom - UL Listed - Includes Steel Construction Cover</b>	
FL-500P-2.25-B	FL-500P box bottom - 2.25" Deep (Different Internal Brackets) (Not UL)
FL-500P-3-B	FL-500P box bottom - 3" Deep 4 x 1-Gang Areas
FL-500P-4-B	FL-500P box bottom - 4" Deep
FL-500P-6-B	FL-500P box bottom - 6" Deep
FL-500P-8-B	FL-500P box bottom - 8" Deep
FL-500P-10-B	FL-500P box bottom - 10" Deep
<b>Optional Box Bottom Brackets</b>	
FL-500P-2.25-Decora	2 Decora Openings (No Divider) Replaces Blank Plate (2.25" Box Only)
FL-500P-4-3G	3 Single Gang Openings (No Divider) Replaces 4G Plate (4" Box Only)
FL-500P-6-3G	3 Single Gang Openings (No Divider) Replaces 4G Plate (6" Box Only)
FL-P3"-DECORA	Optional Bracket For FL-500P/600P 3" - Decora opening
FL-P3"-DUPLEX	Optional Bracket For FL-500P/600P 3" - Duplex opening
FL-P3"-6IPS	Optional Bracket For FL-500P/600P 3" - 6-IPS opening
FL-P3"-BLANK	Optional Bracket For FL-500P/600P 3" - Blank plate
<b>Optional Manufacturers Specific Mounting Brackets</b>	
MMS-FL500/540P-4	Crestron DM-TX-200-C-2G Wallplate Mounting Bracket w/Blank Plate (4" deep box only)
<b>Pour Pan Accessories</b>	
FL-GRD2	2" Grade Mounting Kit
FL-GRD4	4" Grade Mounting Kit
<b>Optional Shim Kit**</b>	
FL-500-CSK	Temporary and Final Cover Shim Kit



Specifications are subject to change without notice.

**FSR**

244 Bergen Boulevard, Woodland Park, NJ 07424

Phone: 973.785.4347 · Fax: 973.785.4207

Web: [www.fsrinc.com](http://www.fsrinc.com) · E-mail: [sales@fsrinc.com](mailto:sales@fsrinc.com) LIT1047K

## CDF SERIES COMMERCIAL DOWNFLOW CEILING HEATER

**Tropico Middle School  
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### IDEAL SPACES

- Bathrooms
- Offices
- Conference Rooms
- Lobbies
- Waiting Rooms
- Entrance Ways

### COLORS

- Navajo White
- Northern White

### RECESSED

- 23-3/4" W x 23-3/4" L x 7" D

### TEMP RANGE

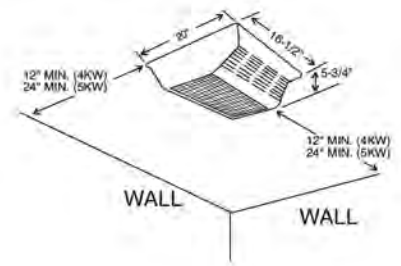
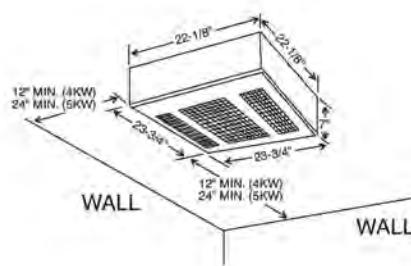
- 45°-90° F

### CFM

- 300



- CDFSE "surface enclosures" are designed to mount flat on the ceiling and extend only 6 in. into the room
- CCFRE "recessed enclosures" have no protrusions outside recess box, allowing the heater to recess only 7 in. into ceiling space. Mounts in T-Bar or permanent ceiling with trim ring
- 208V and 240V heaters can be field-converted from single- to three-phase operation. 5,000-watt heater can be field-converted to 3,800 or 2,500 watts and 4,000-watt heater to 3,000 or 2,000 watts
- BMS-compatible with use of relays
- Three adjustable airflow patterns from 14 ft. ceilings: wide, narrow or asymmetrical patterns
- Automatic fan delay eliminates cold drafts on start-up and discharges residual heat from the heater body during shut down
- Automatic thermal cutout: shuts off the heater in the event of overheating and reactivates heater when temperature returns to normal
- Easy installation: Thumb pins align and temporarily hold enclosure cover to heating section freeing both hands to finish installation



## CDF SERIES COMMERCIAL DOWNFLOW CEILING HEATER

**Tropico Middle School  
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Ceiling Heater cutsheet**

### MODELS & SPECIFICATIONS

CATALOG NUMBER	UPC	MOUNTING	KW	BTU/HR (000)	AMPS	VOLTS	PHASE	CFM	SHIP WT. (LBS.)
CDF548	6 85360 01510 1	Heater Section Only	4/3/2	13.7/10.2/6.8	19.2/14.2/9.6	208	1-3	300	27
CDF542	6 85360 01508 8				16.7/12.5/8.3	240	1-3		
CDF547	6 85360 01509 5				14.4/10.8/7.2	277	1		
CDF558	6 85360 01513 2				24/18.3/12	208	1-3		
CDF552	6 85360 01511 8	5/3.8/2.5	17.1/13/8.5	20.8/15.8/10.4	240	1-3	300	27	
CDF557	6 85360 01512 5			18.1/13.7/9	277	1			

### ACCESSORIES

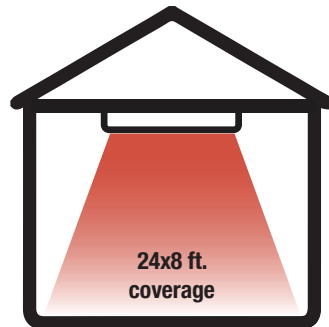
CATALOG NUMBER	UPC	DESCRIPTION	SHIP WT. (LBS.)
CDFSE	6 85360 01501 9	Surface Mounting Enclosure Only - To Be Used With Above Heater Sections.	10
CDFRE	6 85360 01498 2	Recess Mounting Enclosure Only - To Be Used With Above Heater Sections.	18
CDFSENW	6 85360 14961 5	Surface mounted Northern White - To Be Used With Above Heater Section. Dim. 20" L x 16-1/2" W x 5-3/4" D.	10
CDFRENW	6 85360 14963 9	Recessed mounted Northern White - To Be Used With Above Heater Sections. Dim. 23-3/4" L x 23-3/4" W x 7" D.	18
CDFT	6 85360 01503 3	Thermostat SPST Range 45 to 95°F.	1
CDF24R	6 85360 01507 1	Relay (Time Delay 45-60 sec. to close when energized) requires 24 volt supply from remote source.	1
CDFR12	6 85360 01500 2	Relay (Time Delay 45-60 sec. to close when energized) requires 120 volt supply from remote source.	1
CDFDS	6 85360 01496 8	Power Disconnect Switch (3-Pole) 30 amps, 600 volts, 3Ø, 60 Hz.	1
CDSTK	6 85360 01504 0	Trim Ring for mounting on permanent ceiling (cannot be factory installed).	1
CDFTR4	6 85360 01505 7	208/240V Primary Transformer/24V sec. and 24V holding coil control relay.	1
CDFTR7	6 85360 01506 4	277V. Primary Transformer/24V sec. and 24V holding coil control relay.	1

NOTE: Factory-wired for highest wattage, field-convertible to lower wattages. Factory-wired 1-PH, field convertible to 3-PH dual-phase units, maximum amp draw is listed. Amperage shown is for single phase. For factory installation of above controls, additional charges apply.

### ADJUSTABLE AIRFLOW OPTIONS

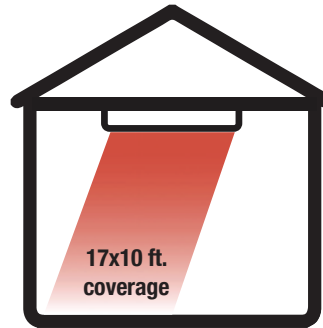
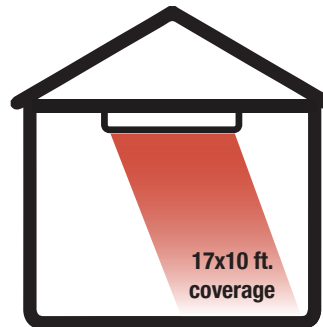
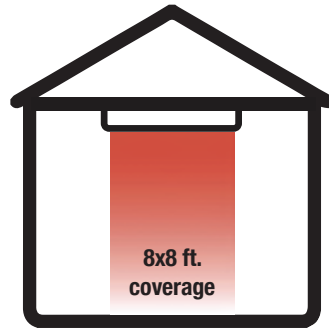
#### WIDE PATTERN (24x8 ft. coverage)

In standard ceiling applications (8-10 ft.), heater disperses the air to give a gentle, less pronounced pattern while circulating all the air from floor to ceiling.



#### NARROW PATTERN (8x8 ft. coverage)

For high ceiling applications (11-14 ft.), fan concentrates the heated air to ensure full penetration to the floor level.



**ASYMMETRICAL PATTERN  
(17x10 ft. coverage)**  
Heated air is directed in a specific direction, allowing the heater to be located where space allows, with the heated air delivered to where it is required.