

MODERNIZATION VINEWOOD ELEMENTARY SCHOOL 1600 W TOKAY STREET LODI, CA 95242

ABBREVIATIONS

& L @ ø ⊥ # ε	And Angle At Centerline Diameter Perpendicular Point of Number Plate	E. (E)EXST. EA. E.E. EL ELEC. EMER. ENCL. EQ. EQPT. E.W.C. EXP. EXT.	East Existing Each Expansion Joint Elevation Electrical Emergency Enclosure Equal Equipment Electric Water Cooler Expansion Exterior	K.P. KIT.	Kickplate Kitchen	S. S.D.	South Soap Dispenser
A.C. A.D. ADJ. A.F.F. AGGR. ALUM./AL. ARCH. ASPH. AUTO. A.V.	Asphalt Concrete Acoustical Area Drain Adjustable Above Finished Floor Aggregate Aluminum Architectural Asphalt Automatic Auto Visual	F.A. F.B. F.D. FDN. F.E. F.F.E. F.H.M.B. F.H.M.S. FIN. FL F.L. FLASHG F.O.C. F.O.F. F.O.S. F.R.P. F.S. FT. FTG. FURR. FUT.	Fire Alarm Fiberboard Floor Drain Foundation Fire Extinguisher Finish Floor Elevation Flat Head Machine Bolt Flat Head Machine Screw Finish Floor Fusible Link Flashing Face of Concrete/Curb Face of Finish Face of Studs Fiberglass Reinforced Plastic Full Size Foot/Foot Footing Furring Future	(N) N. N.I.C. NO./# NOM. N.T.S.	New North Not in Contract Number Nominal Not to Scale	O/ O.A. OBS. O.C. O.D. O.H. OFF.	Over Overall Obscure On Center Outside Diameter Opposite Hand Office
B BD. BLK. BLKG. BM. BOT. B.S.	Bolt Board Building Block Blocking Beam Bottom Both Sides	GA. GALV. G.B. GL. GND. GR. GRP. G.I. G.M. GYP. GYP.BD.	Gauge Galvanized Grab Bar Glass/Glazing Ground Grade Gypsum Galvanized Iron Galvanized Sheet Metal Gypsum Board	PRCST. PERF. P.LAM. PLAS. PLYWD. P.M. P.M.F. PR. P.O.T. PRE-FAB PROJ.	Precast Perforated Plastic Laminate Plaster Plywood Pressed Metal Pressed Metal Frame Pair Path of Travel Prefabricated Project	W. W.C. WD. W.H. W/O W.R. W.S. W.W.M. WDW. WT.	West W/ With Water Closet Wood Water Heater Without Water Resistant Wainscot Welded Wire Mesh Window Weight Yard
d D.G. DBL DET. D.I. DIA. DIM. DIM.PT. DN. DP. D.P. DOR. D.S. DWG. D.A.	Pennyweight (Nails) Decomposed Granite Double Detail Drinking Fountain Drain Inlet Diameter Dimension Dimension Point Down Deep Damp Proofing Door Downspout Drawing Disabled Accessible	HDR. HDWD. HDW. HOR. H.B. HR. HGT. I.D. IN. INFO. INSUL. INT. JAN. JST. JT.	Header Hardwood Hardware Horizontal Hose Bib Hour (Fire Rating) Height Inside Diameter Inch Information Insulation Interior Janitor Joist Joint	R. RAD. R.B. R.D. R.E. REFR. REINF. REQ. RET. RM. R.O. RWD. R.W.L. R.H.W.S.	Riser Radius Rubber Base Roof Drain Rim Elevation Refrigerator Refrigerator Reinforced Required Return Room Rough Opening Redwood Rain Water Leader Round Head Wood Screw		

MATERIAL LEGEND

	EARTH		WOOD TRIM
	GRAVEL/AGGREGATE BASE		STEEL
	SAND OR PLASTER		TILE
	CONCRETE		BATT INSULATION
	BLOCKING		BRICK
	FRAMING (CONTINUOUS)		GYPSUM BOARD
	PLYWOOD		FIRTEX

APPLICABLE CODES

TITLE 19 CCR, PUBLIC SAFETY, STATE FIRE MARSHAL REGULATIONS
TITLE 24 CCR, PART 1 - 2022 BUILDING STANDARDS ADMINISTRATIVE CODE
TITLE 24 CCR, PART 2 - 2019 CALIFORNIA BUILDING CODE, VOL. 1 & 2 (CBC)
TITLE 24 CCR, PART 3 - 2019 CALIFORNIA ELECTRICAL CODE (CEC)
TITLE 24 CCR, PART 4 - 2019 CALIFORNIA MECHANICAL CODE (CMC)
TITLE 24 CCR, PART 5 - 2019 CALIFORNIA PLUMBING CODE (CPC)
TITLE 24 CCR, PART 6 - 2019 CALIFORNIA ENERGY CODE (CEC)
TITLE 24 CCR, PART 9 - 2019 CALIFORNIA FIRE CODE (CFC)
TITLE 24 CCR, PART 11 - 2019 CALIFORNIA GREEN BUILDING STDS CODE
TITLE 24 CCR, PART 12 - 2019 CALIFORNIA REFERENCED STANDARDS
2016 NFPA 13, INSTALLATION OF SPRINKLER SYSTEMS (CA AMENDED)
2016 NFPA 14, INSTALLATION OF STANDPIPE AND HOSE SYSTEMS
2017 NFPA 17, DRY CHEMICAL EXTINGUISHING SYSTEMS
2017 NFPA 17A, WET CHEMICAL EXTINGUISHING SYSTEMS
2016 NFPA 20, INSTALLATION OF STATIONARY PUMPS FOR FIRE PROTECTION
2016 NFPA 24, INSTALLATION OF PRIVATE FIRE SERVICE MAINS
2016 NFPA 72, NATIONAL FIRE ALARM CODE (CA AMENDED)
2016 NFPA 80, FIRE DOOR AND OTHER OPENING PROTECTIVE
2015 NFPA 720, INSTALLATION OF CARBON MONOXIDE DETECTION AND WARNING EQUIPMENT
2015 NFPA 2001, CLEAN AGENT FIRE EXTINGUISHING SYSTEMS

CONTRACTOR SHALL KEEP A COPY OF TITLE 24, PARTS 1-5 ON THE SITE AT ALL TIMES.

TITLE 24, PART 1, SECTION 4.317(c):
"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 NONCOMPLYING 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, OR SEPARATE SET OF PLANS AND SPECIFICATIONS, DETAILING AND SPECIFYING THE REQUIRED REPAIR WORK SHALL BE SUBMITTED TO AND APPROVED BY DSA BEFORE PROCEEDING WITH REPAIR WORK."

NOTES:

- ALL NEW WORK SHALL CONFORM TO THE 2019 EDITION, TITLE 24, CALIFORNIA CODE OF REGULATIONS, AND THE 2022 EDITION, TITLE 24, PART 1.
- CHANGES TO THE STRUCTURAL, ACCESSIBILITY OR FIRE AND LIFE-SAFETY PORTIONS OF THE APPROVED PLANS AND SPECIFICATIONS AFTER THE WORK HAS BEEN APPROVED SHALL BE MADE BY AN ADDENDUM OR A CONSTRUCTION CHANGE DOCUMENT AS REQUIRED IN SECTION 4-338, PART 1, CAC, AND SHALL BE SUBMITTED TO AND APPROVED BY DSA PRIOR TO COMMENCEMENT OF THE WORK. ALL CONSTRUCTION CHANGE DOCUMENTS SHALL BE PREPARED AND SUBMITTED TO DSA IN COMPLIANCE WITH DSA INTERPRETATION OF REGULATIONS IA A-6, ADDENDA AND CONSTRUCTION CHANGE DOCUMENTS ARE NOT VALID UNTIL APPROVED BY DSA PER SECTION 4-338, PART 1, TITLE 24, AND NO WORK SHALL COMMENCE UNTIL APPROVED BY DSA.
- A DSA CERTIFIED 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 SECTION 4-343, CALIFORNIA BUILDING STANDARDS ADMINISTRATIVE CODE (PART 1, TITLE 24, CCR)
- A DSA CERTIFIED INSPECTOR WITH CLASS 2 IS REQUIRED FOR THIS PROJECT (IR A-7)
- A DSA ACCEPTABLE TESTING LABORATORY DIRECTLY EMPLOYED BY THE OWNER SHALL CONDUCT ALL THE REQUIRED TESTS AND INSPECTIONS FOR THE PROJECT.
- GRADING PLANS, DRAINAGE IMPROVEMENT, ROAD AND ACCESS REQUIREMENTS AND ENVIRONMENTAL HEALTH CONSIDERATIONS SHALL COMPLY WITH ALL LOCAL ORDINANCES.
- ADDENDA SHALL BE APPROVED BY DSA.

LIMITED PROJECT SCOPE DESCRIPTION

THE PROJECT SCOPE INTENDED TO BE DESCRIBED IN THESE DRAWINGS INCLUDES CONSTRUCTION OF:

- MODERNIZATION OF STUDENT TOILET ROOMS AT BUILDINGS B AND C.
- MODERNIZATION OF KINDERGARTEN TOILET ROOMS AT BUILDING A.
- MODERNIZATION OF STAFF TOILET ROOM AT BUILDING A.
- REPLACEMENT OF INTERIOR LIGHT FIXTURES & LIGHTING CONTROLS IN ALL BUILDINGS.
- REPLACEMENT OF MAIN CAMPUS SWITHBOARD AND ALL BUILDING PANELS.

THE MODERNIZATION WORK FOR THE REMAINDER OF THE SITE AND INTERIOR SPACES WILL BE BID AND CONSTRUCTED AT A LATER DATE.

SYMBOL LEGEND

SHEET NUMBERING SYSTEM 	STRUCTURAL GRID INDICATOR (Center of Framing)
ROOM NAME and NUMBER REFERENCE 	STRUCTURAL GRID INDICATOR (Face of Framing)
KEYNOTE REFERENCE 	MATCH LINE
SHEET NOTE REFERENCE 	CENTERLINE
DETAIL REFERENCE 	PROPERTYLINE
BUILDING SECTION REFERENCE 	WORK POINT, CONTROL POINT OR DATUM
STOREFRONT, WINDOW OR LOUVER REFERENCE 	INTERIOR ELEVATION REFERENCE
DOOR REFERENCE 	WINDOW (PLAN VIEW)
CEILING TYPE REFERENCE 	REVISION
WALL TYPE REFERENCE 	RADIUS
EXTERIOR FINISH REFERENCE 	CASEWORK REFERENCE
PAINT COLOR REFERENCE 	METAL SHELVING REFERENCE
	LABORATORY CASEWORK REFERENCE
	MUSIC CASEWORK REFERENCE
	ACOUSTICAL PANEL REFERENCE
	SIGN REFERENCE

PROJECT TEAM

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PROJECT DESCRIPTION

- MODERNIZATION OF CLASSROOMS AND TOILET ROOMS AT BUILDINGS A, B, C, D, E AND F
- INSTALLATION OF FLUID APPLIED ROOFING RESTORATION SYSTEM ROOFING AT BUILDINGS A, B, C, D, E AND F.
- INSTALLATION OF NEW WALK-IN REFRIGERATOR/FREEZER UNIT AT BLDG. F.
- ELECTRICAL SERVICE DISTRIBUTION, HVAC & LIGHTING UPGRADES AT BUILDINGS A, B, C, D, E AND F.
- REPLACEMENT OF EXISTING CONCRETE WALKWAYS TO MAKE DISABLED ACCESSIBLE.
- RECONFIGURATION AND EXPANSION OF EXISTING PARKING LOT AND STUDENT DROP OFF AREAS.
- CONSTRUCTION OF NEW BUS TURNOUT/DROP-OFF LANE
- REVISED LANDSCAPING AND IRRIGATION.
- REVISED FENCING AND GATES.
- INSTALLATION OF NEW 30'X64' PRE-ENGINEERED SHADE STRUCTURE (INCREMENT 2)

PROJECT INCREMENTS

INCREMENT 1:
MODERNIZATION OF EXISTING CLASSROOM BUILDINGS & SITE IMPROVEMENTS AS LISTED IN PROJECT DESCRIPTION ABOVE, ITEMS 1 THROUGH 9.

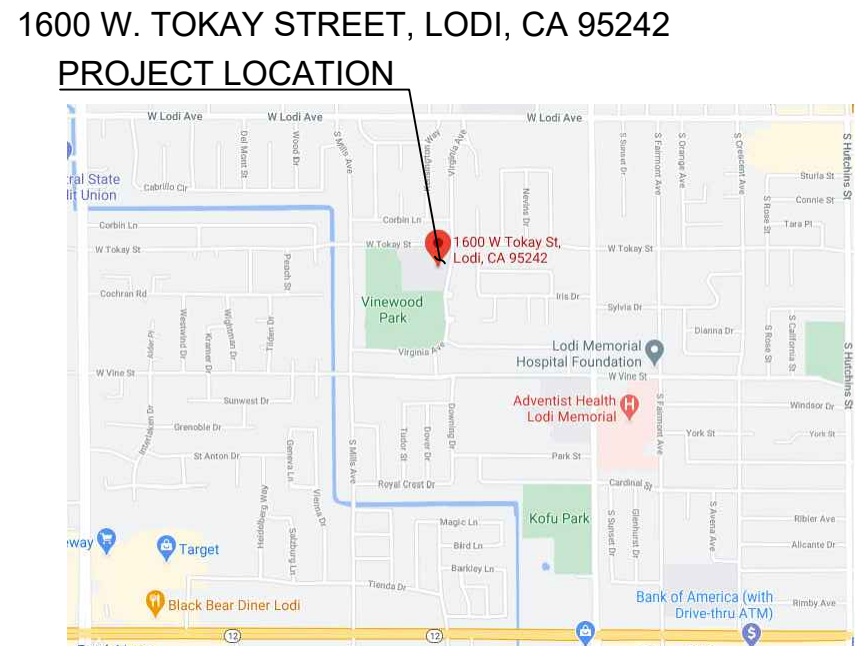
INCREMENT 2:
FABRICATION AND INSTALLATION OF NEW 30'X64' PRE-ENGINEERED SHADE STRUCTURE AS LISTED IN PROJECT DESCRIPTION, ITEM 10, ABOVE.

DEFERRED APPROVALS

- (NONE)

VICINITY MAP

VINEWOOD ELEMENTARY SCHOOL
1600 W. TOKAY STREET, LODI, CA 95242



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A0.2	TYPICAL DETAILS
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A0.4	FORM DSA GL-4
A1.0	FIRE AUTHORITY APPROVAL SHEET PLAN
A1.1	CODE ANALYSIS SITE PLAN
A1.2	SITE PLAN
A1.3	CHANGED SITE PLAN
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A2.0	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING A
A2.1	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING A
A2.2	ENLARGED TOILET PLANS & INTERIOR ELEVATIONS - BUILDING A
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A2.7	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING C
A2.8	ENLARGED TOILET PLANS & INTERIOR ELEVATIONS - BUILDING C
A2.9	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING D
A3.0	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING D
A3.1	ENLARGED TOILET PLANS & INTERIOR ELEVATIONS - BUILDING D
A3.2	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING E
A3.3	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING E
A3.4	ENLARGED TOILET PLANS & INTERIOR ELEVATIONS - BUILDING E
A3.5	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING F
A3.6	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING F
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A3.8	DEMOLITION, FLOOR & REFLECTED CEILING PLANS - BUILDING F
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A3.1.1	DOOR SCHEDULE & DETAILS
A3.1.2	MATERIAL & FINISH SCHEDULE
A3.1.3	CASEWORK SCHEDULE & DETAILS
A3.1.4	INTERIOR ELEVATIONS - BUILDING A
A3.1.5	INTERIOR ELEVATIONS - BUILDING A
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A3.1.125	INTERIOR ELEVATIONS - BUILDING A
A3.1.126	INTERIOR ELEVATIONS - BUILDING A



AGES 3-4: 12-18"
AGES 5-8: 12-15"
AGES 9-12: 15-18"
AGES 13-ADULT: 17-18"

NOTE: DUE TO CONFLICT WITH FLUSH HANDLE AT STUDENT D.A. STALLS, THE 36" GRAB BAR WILL BE REQUIRED TO BE MOUNTED ON THE WIDE SIDE OF THE REAR WALL. MAINTAIN 1" CLEARANCE BETWEEN FLUSH VALVE HANDLE AND GRAB BAR - SEE INTERIOR ELEVATIONS

KNEE/TOE CLEARANCE PLAN

SINK/DF

LAVATORY

DRINKING FOUNTAIN/BOTTLE FILLER

ACCESSIBLE UNIT

TACTILE CHARACTERS ON SIGNS SHALL BE LOCATED 48" MINIMUM ABOVE FINISH FLOOR OR

- ## 1 FIXTURE and ACCESSORY HEIGHTS/SIGNAGE MOUNTING



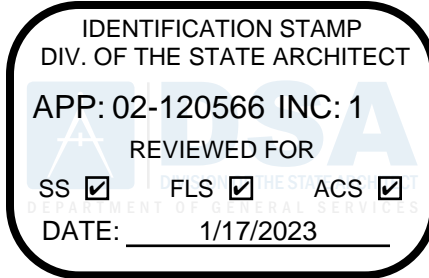
2 TACTILE EXIT SIGN

4 TYPICAL WOOD BLOCKING



A0.1

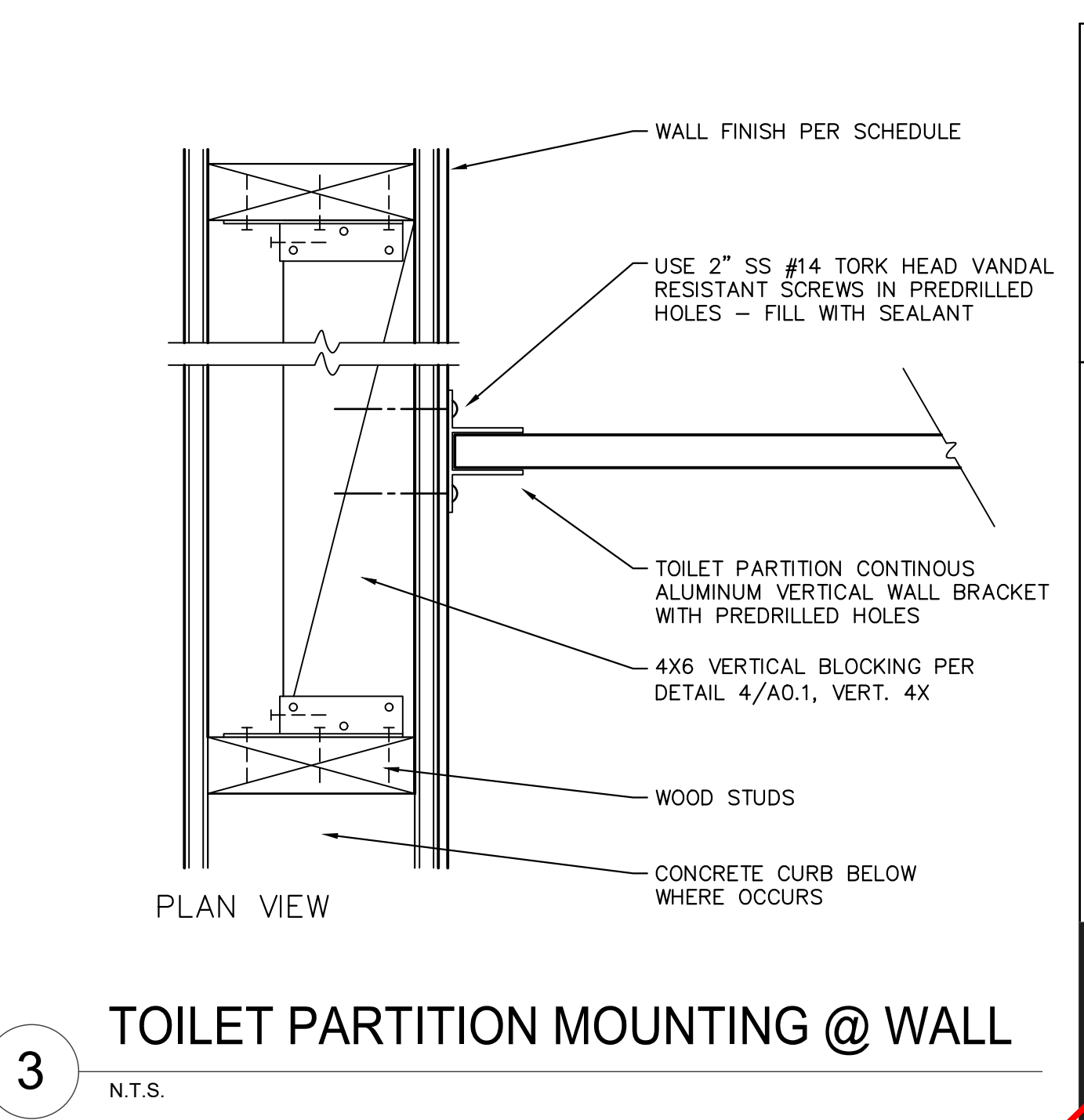
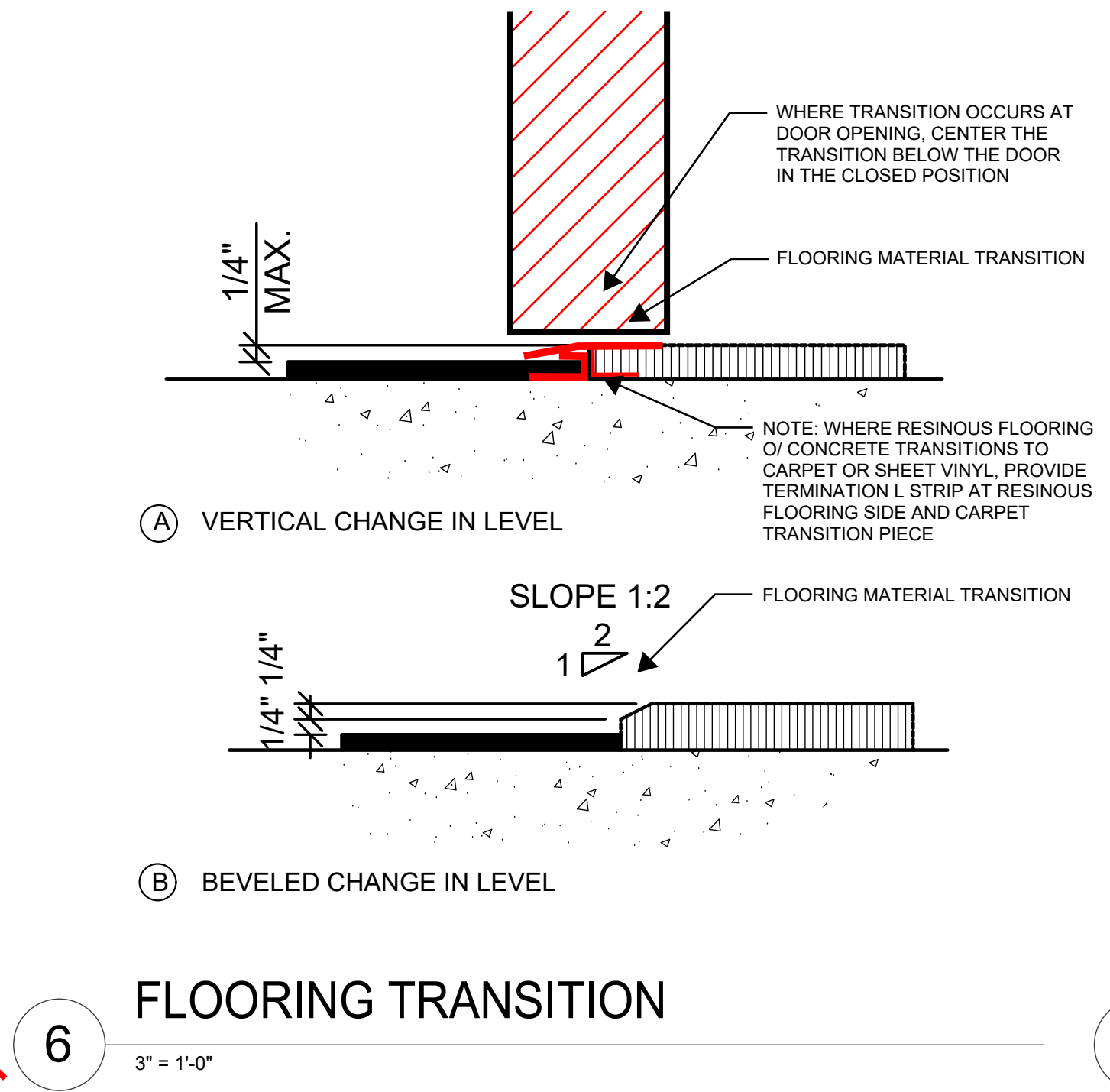
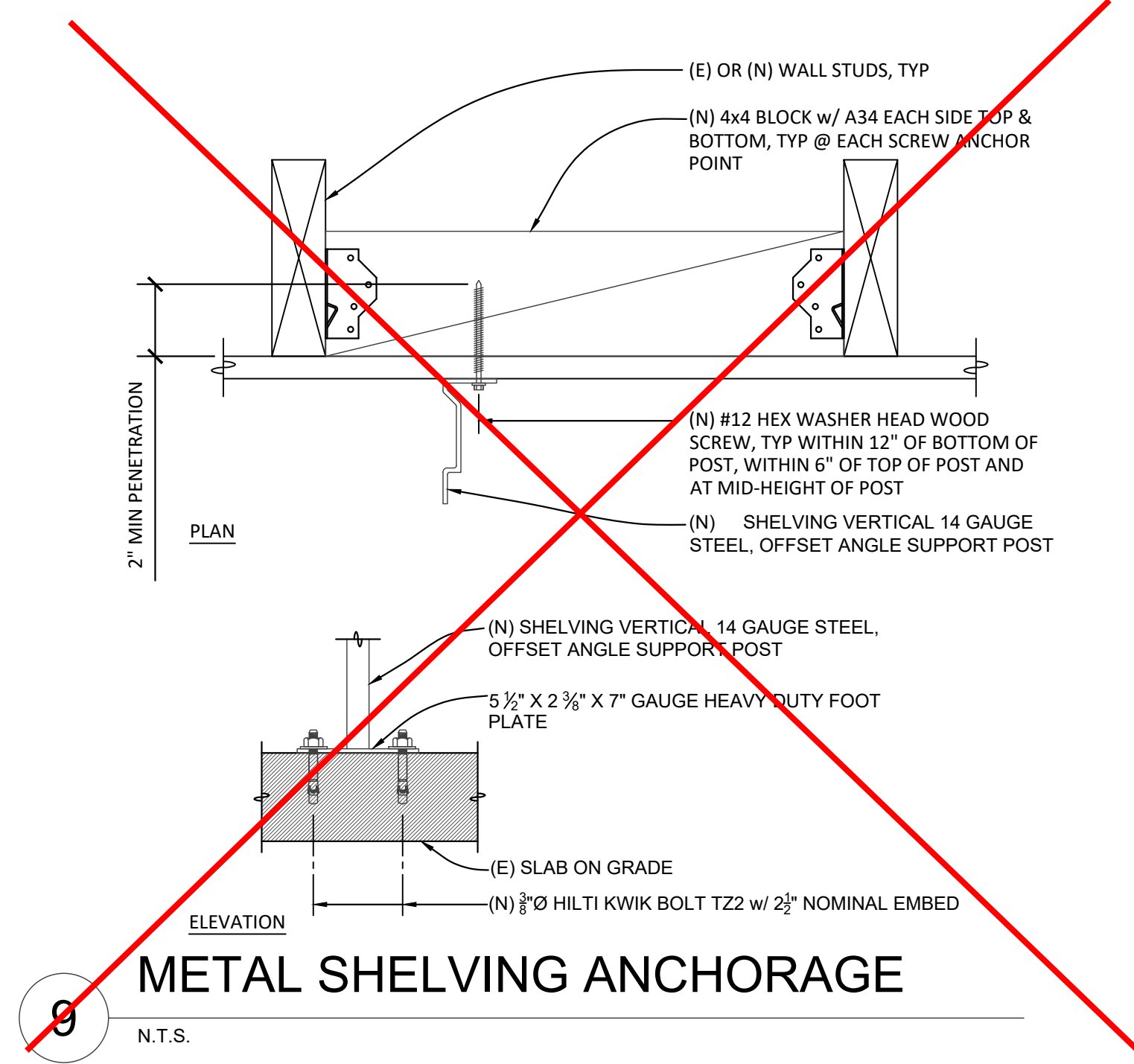
02 OF 131 SHEETS



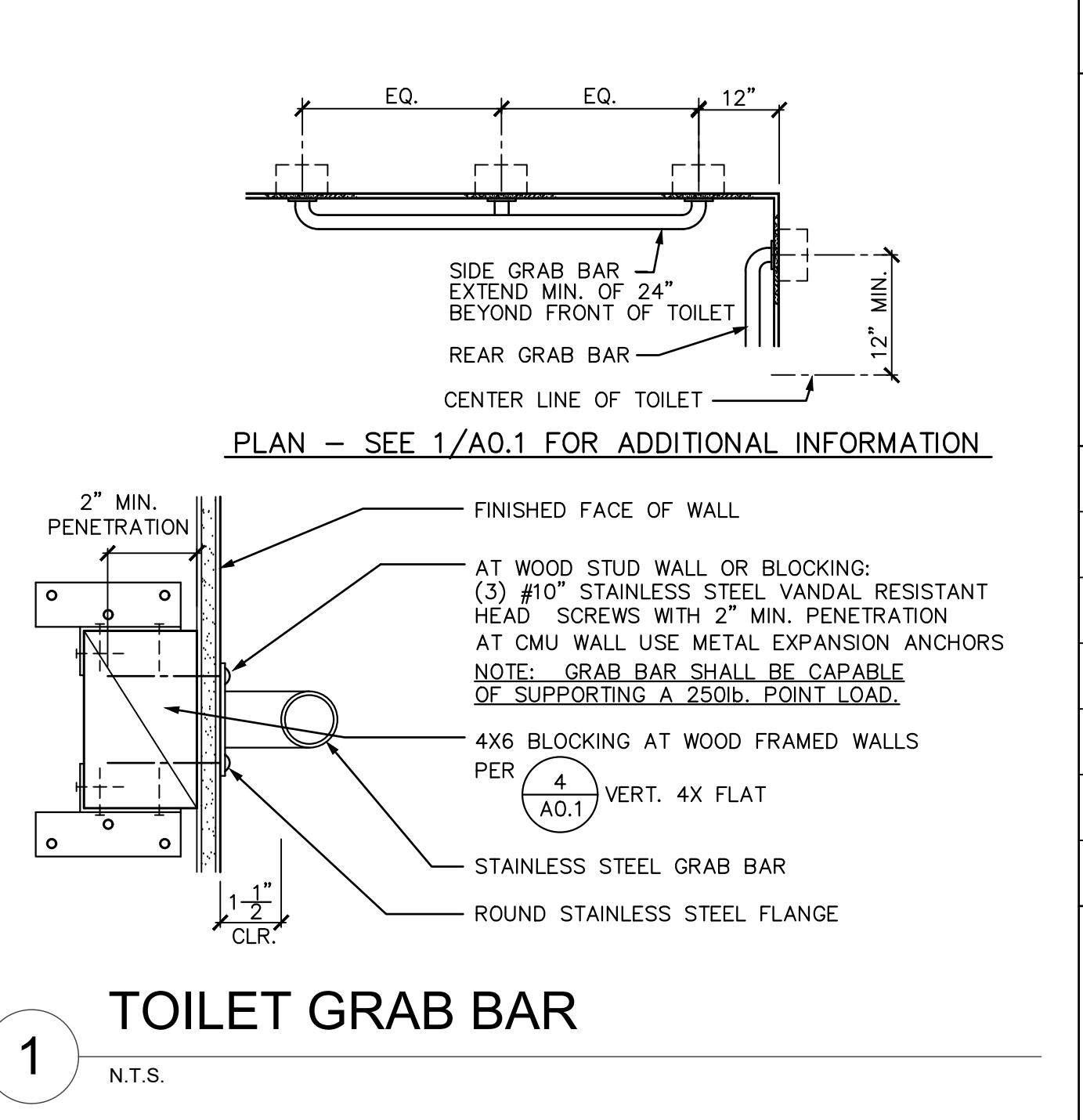
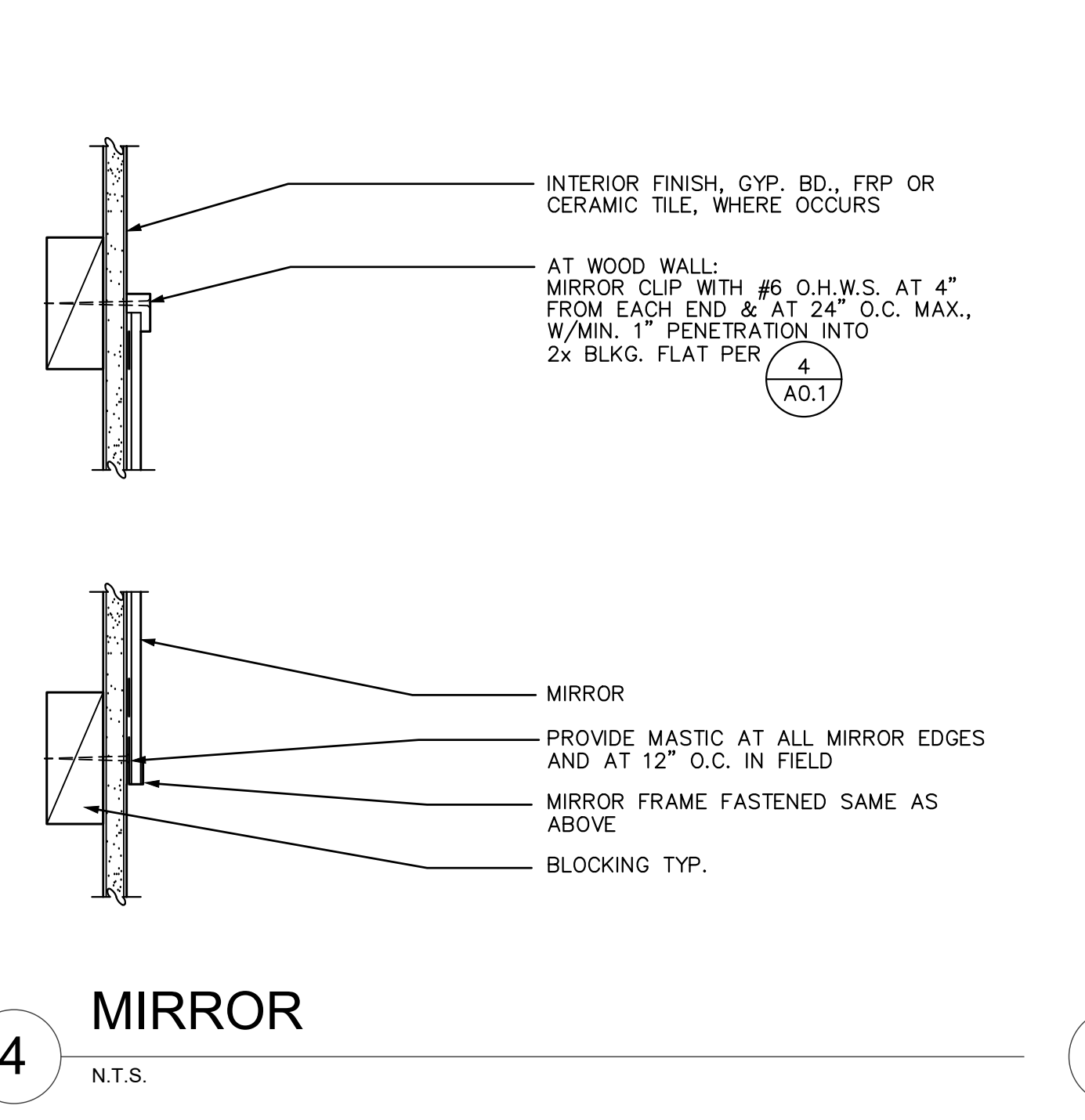
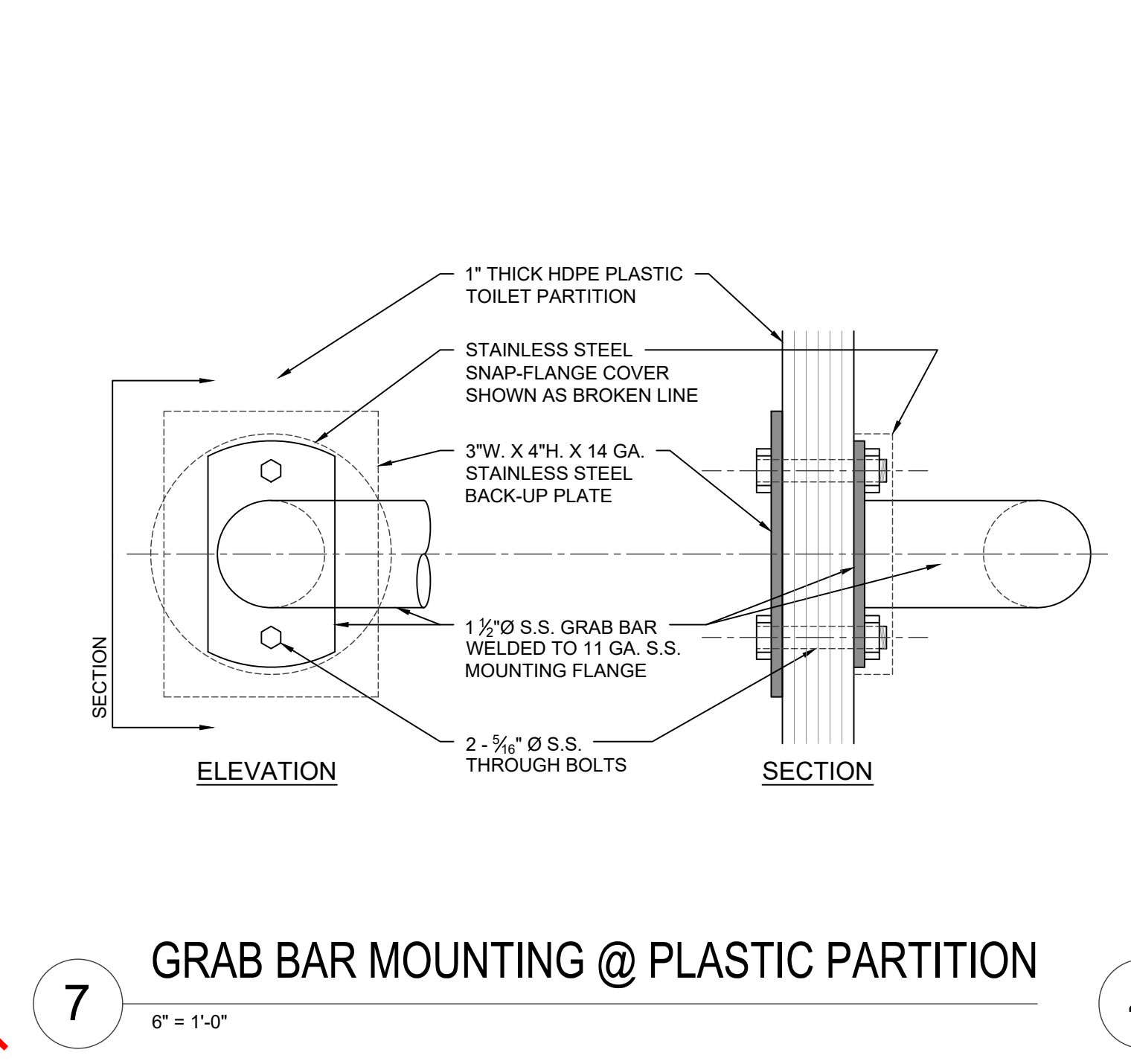
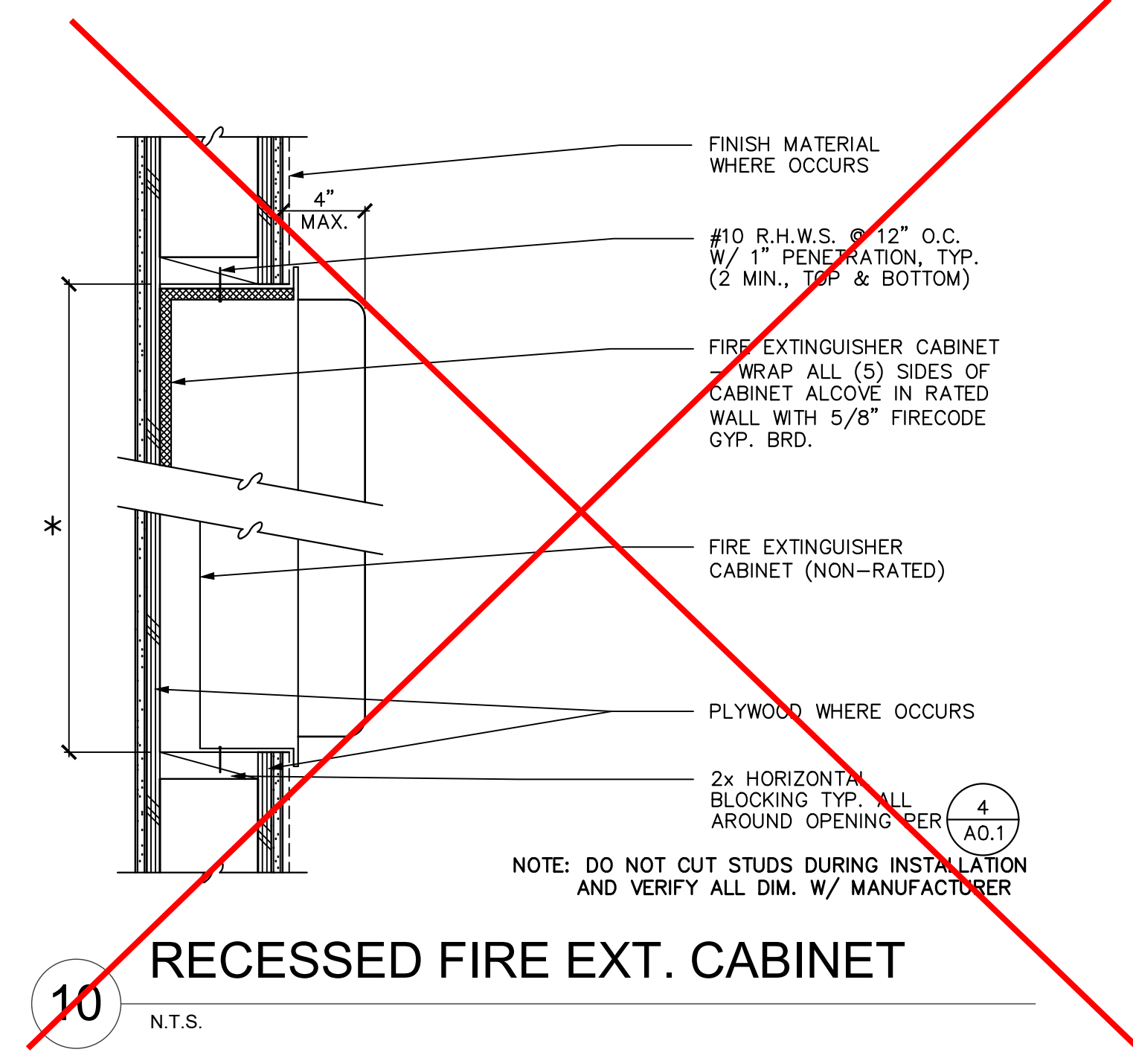
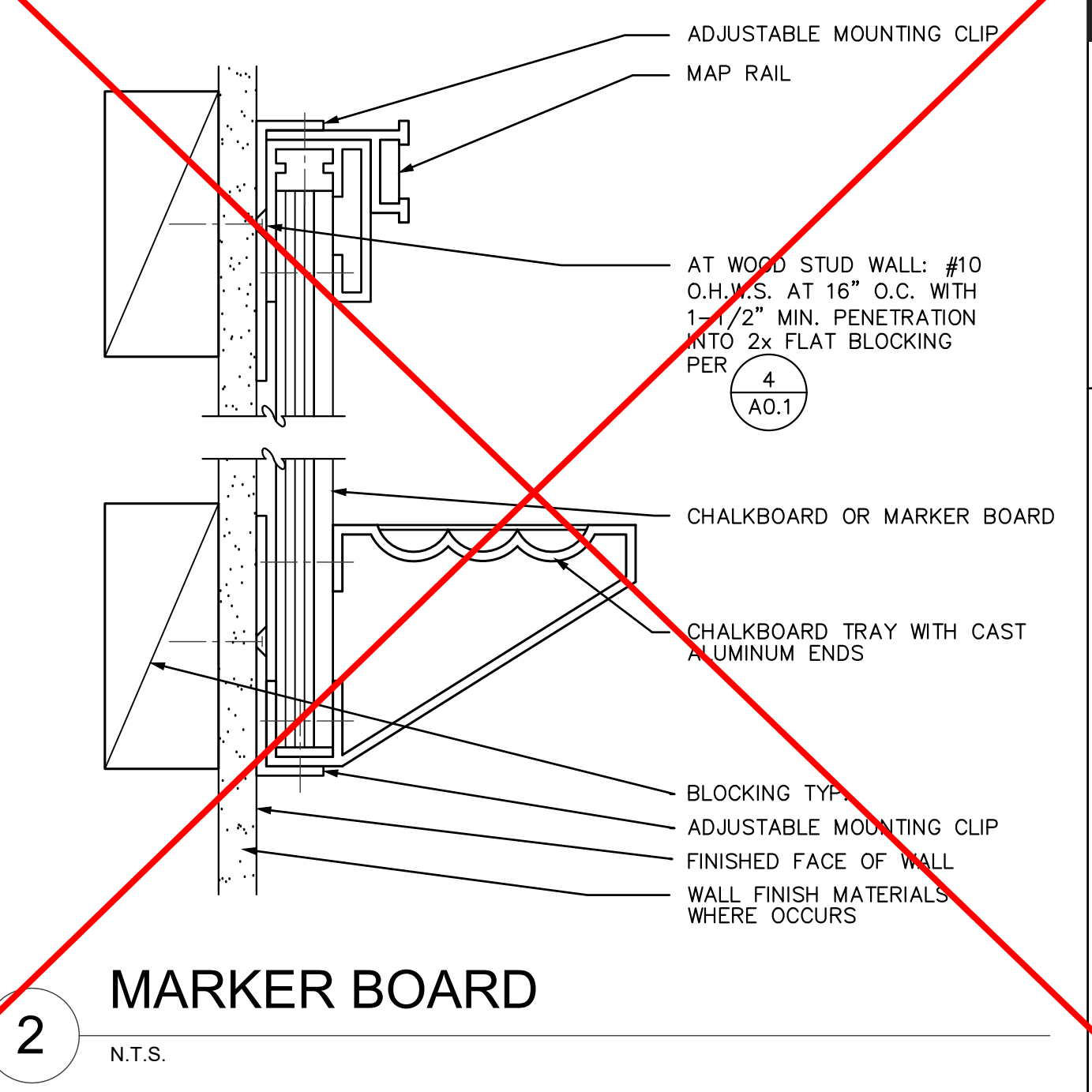
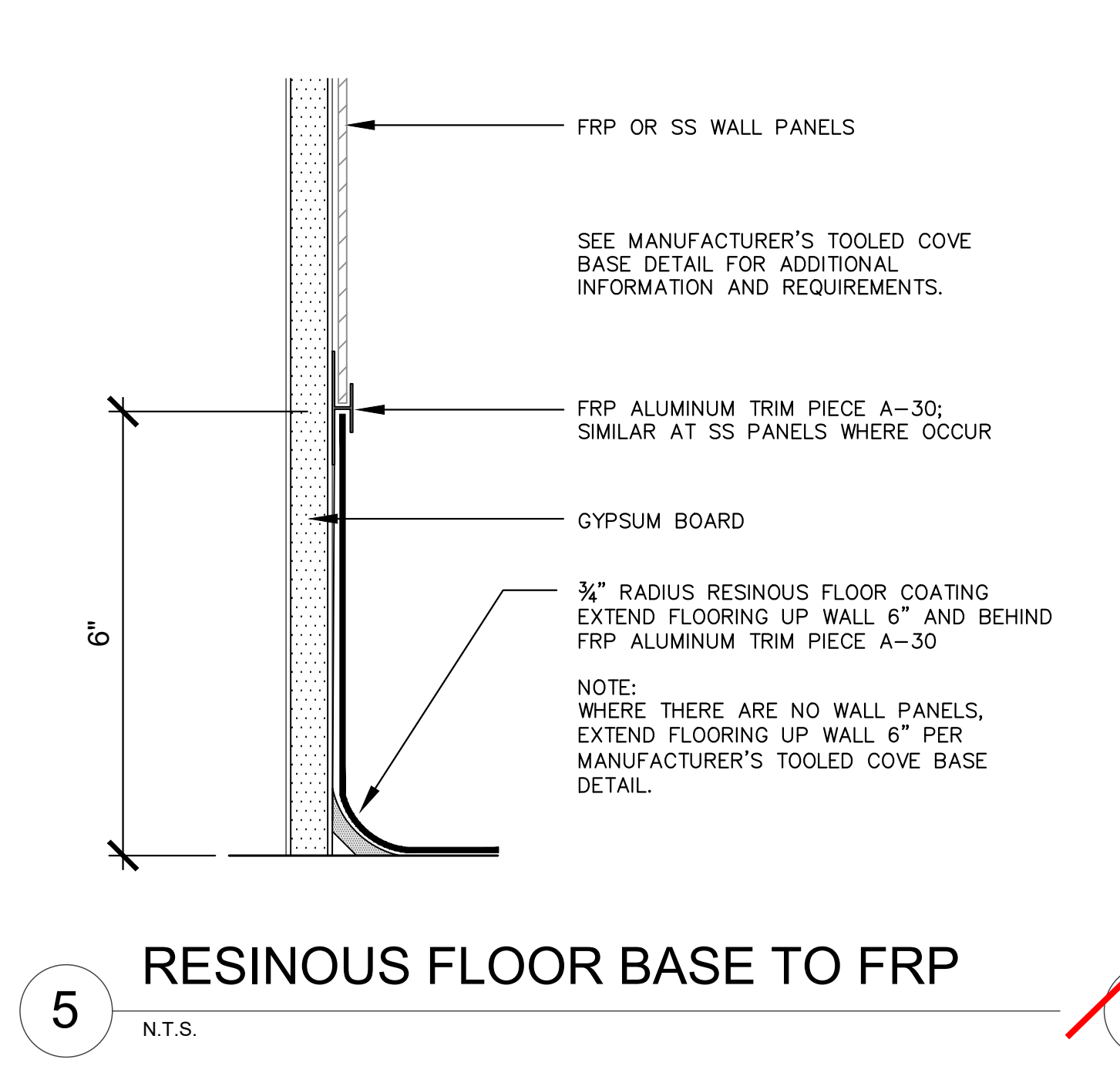
730 Howe Avenue, Suite 450
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Phone: 916.921.2112
Fax: 916.921.2212



TYPICAL DETAILS



NOTE:
NOT ALL DETAILS AND NOTES SHOWN ON THIS SHEET ARE REQUIRED TO BE USED FOR THIS LIMITED SCOPE BID AND CONSTRUCTION PROJECT. CONTRACTOR IS RESPONSIBLE FOR IDENTIFYING THOSE DETAILS AND NOTES THAT PERTAIN AND ARE ASSOCIATED WITH THIS LIMITED SCOPE PROJECT



IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

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HENRY+ASSOCIATES
ARCHITECTS

STEPHEN J. HENRY
C-22525
12/31/23
RENEWAL DATE

MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

TYPICAL DETAILS

CONSULTANT

PROJECT NO.	REVISIONS	BY
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5/26/2022		
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12/21/2022		
SHEET NO.		

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03 OF 131 SHEETS

DIVISION 5.3 – WATER EFFICIENCY AND CONSERVATION
SECTION 5.303 – INDOOR WATER USE

5.303.3 Water conserving plumbing fixtures and fittings. Plumbing fixtures (water closets and urinals) and fittings (faucets and showerheads) shall comply with the following:

5.303.3.1 Water closets. The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for Tank-Type Toilets.

Note: The effective flush volume of dual flush toilets is defined as the composite, average flush volume of two reduced flushes and one full flush.

5.303.3.2 Urinals.

5.303.3.2.1 Wall mounted urinals. The effective flush volume of wall mounted urinals shall not exceed 0.125 gallons per flush.

5.303.3.2.2 Floor mounted urinals. The effective flush volume of floor mounted or other urinals shall not exceed 0.5 gallons per flush.

5.303.3.3 Showerheads

5.303.3.3.1 Single showerhead. Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the U.S. EPA WaterSense Specifications for showerheads.

5.303.3.3.2 Multiple showerheads serving one shower. When a shower is served by more than one showerhead, the combined flow rate of all showerheads and/or other shower outlets controlled by a single valve shall not exceed 1.8 gallons per minute at 80 psi, or the showerhead shall be designed to allow only one shower outlet to be in operation at one time.

Note: A hand-held shower shall be considered a showerhead.

5.303.3.4 Faucets and fountains.

5.303.3.4.1 Non-residential lavatory faucets. Non-residential lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi.

5.303.3.4.2 Kitchen faucets. Kitchen faucets shall have a maximum flow rate of not more than 1.8 gallons per minute at 60 psi. Kitchen faucets may temporarily increase the flow above the maximum rate, but not to exceed 2.2 gallons per minute at 60 psi, and must default to a maximum flow rate of 1.8 gallons per minute at 60 psi.

5.303.3.4.3 Wash fountains. Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi].

5.303.3.4.4 Metering faucets. Metering faucets shall not deliver more than 0.20 gallons per cycle.

5.303.3.4.5 Metering faucets for wash fountains. Metering faucets for wash fountains shall have a maximum flow rate of not more than 0.20 gallons per cycle/20 [rim space (inches) at 60 psi].

Note: Where complying faucets are unavailable, aerators or other means may be used to achieve reduction.

5.303.6 Standards for plumbing fixtures and fittings. Plumbing fixtures and fittings shall be installed in accordance with the *California Plumbing Code*, and shall meet the applicable standards referenced in Table 1701.1 of the *California Plumbing Code* and in Chapter 6 of this code.

SECTION 5.304 – OUTDOOR WATER USE

5.304.6 Outdoor potable water use in landscape areas. For public schools and community colleges, landscape projects as described in Sections 5.304.6.1 and 5.304.6.2 shall comply with the California Department of Water Resources Model Water Efficient Landscape Ordinance (MWELO) commencing with Section 490 of Chapter 2.7, Division 2, Title 23, *California Code of Regulations*, except that the Evapotranspiration Adjustment Factor (ETAF) shall be 0.65 with an additional water allowance for special landscape areas (SLA) of 0.35.

Exception: Any project with an aggregate landscape area of 2,500 square feet or less may comply with the prescriptive measures contained in Appendix D of the MWELO.

5.304.6.1 Newly constructed landscapes. New construction projects with an aggregate landscape area equal to or greater than 500 square feet.

5.304.6.2 Rehabilitated landscapes. Rehabilitated landscape projects with an aggregate landscape area equal to or greater than 1,200 square feet.

DIVISION 5.4 – MATERIAL CONSERVATION AND RESOURCE EFFICIENCY
SECTION 5.407 – WATER RESISTANCE AND MOISTURE MANAGEMENT

5.407.1 Weather protection. Provide a weather-resistant exterior wall and foundation envelope as required by *California Building Code*, Section 1402.2 (Weather Protection), manufacturer's installation instructions, or local ordinance, whichever is more stringent.

5.407.2 Moisture control. Employ moisture control measures by the following methods:

5.407.2.1 Sprinklers. Design and maintain landscape irrigation systems to prevent spray on structures.

5.407.2.2 Entries and openings. Design exterior entries and/or openings subject to foot traffic or wind-driven rain to prevent water intrusion into buildings as follows:

5.407.2.2.1 Exterior door protection. Primary exterior entries shall be covered to prevent water intrusion by using nonabsorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following:

1. An installed awning at least 4 feet in depth.
2. The door is protected by a roof overhang at least 4 feet in depth.
3. The door is recessed at least 4 feet.
4. Other methods which provide equivalent protection.

5.407.2.2.2 Flashing. Installed flashings integrated with a drainage plane.

SECTION 5.408 – CONSTRUCTION WASTE REDUCTION, DISPOSAL AND RECYCLING

5.408.1 Construction waste management. Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste in accordance with Section 5.408.1.1, 5.408.1.2 or 5.408.1.3; or meet a local construction and demolition waste management ordinance, whichever is more stringent.

5.408.1.1 Construction waste management plan. Where a local jurisdiction does not have a construction and demolition waste management ordinance that is more stringent, submit a construction waste management plan that:

1. Identifies the construction and demolition waste materials to be diverted from disposal by efficient usage, recycling, reuse on the project or salvage for future use or sale.

TABLE 5.106.5.3.3	
TOTAL NUMBER OF ACTUAL PARKING SPACES	NUMBER OF REQUIRED EV CHARGING SPACES
0 – 9	0
10 – 25	1
26 – 50	2
51 – 75	4
76 – 100	5
101 – 150	7
151 – 200	10
201 and over	6 percent of total ¹

¹. Calculation for spaces shall be rounded up to the nearest whole number.

5.106.5.3.4 [N] Identification. The service panel or subpanel(s) circuit directory shall identify the reserved overcurrent protective device space(s) for future EV charging as "EV CAPABLE". The raceway termination location shall be permanently and visibly marked as "EV CAPABLE."

5.106.5.3.5 [N] Future charging spaces. Future charging spaces qualify as designated parking as described in Section 5.106.5.2 Designated parking for clean air vehicles.

5.106.8 Light pollution reduction. [N] Outdoor lighting systems shall be designed and installed to comply with the following:

1. The minimum requirements in the *California Energy Code* for Lighting Zones 0 to 4 as defined in Chapter 10, Section 10-114 of the *California Administrative Code*, and
2. Backlight, (B) ratings as defined in Illuminating Engineering Society of North America (IESNA) TM-15-11(*shown in TABLE A-1 in Chapter 8*), and
3. Uplight and Glare ratings as defined in *California Energy Code* (shown in TABLES 130.2-A and 130.2-B in Chapter 8) and
4. Allowable Backlight, Uplight, and Glare (BUG) ratings not exceeding those shown in Table 5.106.8 [N], or Comply with a local ordinance lawfully enacted pursuant to Section 101.7, whichever is more stringent.

Exceptions: [N]

1. Luminaires that qualify as exceptions in Section 140.7 of the *California Energy Code*.
2. Emergency lighting.
3. Building facade meeting the requirements in Table 140.7-B of the *California Energy Code*, Part 6.
4. Custom lighting features as allowed by the local enforcing agency, as permitted by Section 101.8 Alternate materials, designs and methods of construction.

Notes:

1. **[N]** See also *California Building Code*, Chapter 12, Section 1205.7 for college campus lighting requirements for parking facilities and walkways.
2. Refer to Chapter 8 (Compliance Forms, Worksheets and Reference Material) for Illuminating Engineering Society Technical Memorandum TM-15-11 Table A-1, *California Energy Code* Tables 130.2-A and 130.2-B.
3. Refer to the California Energy Code for requirements for additions and alterations.

TABLE 5.106.8 [N]
MAXIMUM ALLOWABLE BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(See CALGreen for TABLE)

5.106.10 Grading and paving. Construction plans shall indicate how site grading or a drainage system will manage all surface water flows to keep water from entering buildings. Examples of methods to manage surface water include, but are not limited to, the following:

1. Swales.
2. Water collection and disposal systems.
3. French drains.
4. Water retention gardens.
5. Other water measures which keep surface water away from buildings and aid in groundwater recharge.

Exception: Additions and alterations not altering the drainage path.

5.106.12 Shade trees. [DSA-SS] Shade trees shall be planted to comply with Sections 5.106.12.1, 5.106.12.2, and 5.106.12.3. Percentages shown shall be measured at noon on the summer solstice. Landscape irrigation necessary to establish and maintain tree health shall comply with Section 5.304.6.

5.106.12.1 Surface parking areas. Shade tree plantings, minimum #10 container size or equal, shall be installed to provide shade over 50% of the parking area within 15 years.

Exception: The surface parking area covered by solar photovoltaic shade structures, or shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

5.106.12.2 Landscape areas. Shade trees plantings, minimum #10 container size or equal, shall be installed to provide shade over 20% of the landscape area within 15 years

Exception: Playfields for organized sport activity are not included in the total area calculation.

5.106.12.3 Hardscape areas. Shade trees plantings, minimum #10 container size or equal, shall be installed to provide shade over 20% of the hardscape area within 15 years.

Exception: Walks, hardscape areas covered by solar photovoltaic shade structures, and hardscape areas covered by shade structures with roofing materials that comply with Table A5.106.11.2.2 in Appendix A5, are not included in the total area calculation.

DIVISION 5.2 – ENERGY EFFICIENCY

SECTION 5.201 – GENERAL

5.201.1 California Energy Code. For the purposes of mandatory energy efficiency standards in this code, the California Energy Commission will continue to adopt mandatory standards.

Attachment 1
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE
Division of the State Architect – Structural Safety (DSA-SS)
(CCR, Title 24, Part 11)

CHAPTER 3 – GREEN BUILDING

SECTION 301 – GENERAL

301.4 Mandatory measures for public schools and community colleges. [DSA-SS] New building construction and site work on a new or existing site shall comply with Section 301.4.

301.4.1 Building and site construction on a new site shall comply with Chapter 5 as adopted by DSA-SS.

301.4.2 Work on an existing site shall comply with Section 301.4.2.

301.4.2.1 Newly constructed site work shall comply with Chapter 5 as adopted by DSA-SS.

301.4.2.2 Newly constructed buildings shall comply with Chapter 5 as adopted by DSA-SS and Section 301.4.3.

301.4.2.3 Additions to existing buildings shall comply with Section 301.4.3.

301.4.2.4 Rehabilitated landscape areas shall comply with Sections 5.304.6 and 5.106.12.

301.4.3 Minimum rehabilitated landscape area requirement. A minimum rehabilitated landscape area equal to 75 percent of the footprint area of the building shall comply with Section 5.304.6 and Section 106.12. New buildings or additions to existing buildings less than 1,600 square feet shall not be required to comply with Section 301.4.3.

CHAPTER 5 – NONRESIDENTIAL MANDATORY MEASURES

DIVISION 5.1 – PLANNING AND DESIGN

SECTION 5.106 – SITE DEVELOPMENT

5.106.4.2 Bicycle parking. [DSA-SS] For public schools and community colleges, comply with Sections 5.106.4.2.1 and 5.106.4.2.2.

5.106.4.2.1 Student bicycle parking. Provide permanently anchored bicycle racks conveniently accessed with a minimum of four two-bike capacity racks per new building.

5.106.4.2.2 Staff bicycle parking. Provide permanent secure bicycle parking conveniently accessed with a minimum of two staff bicycle parking spaces per new building. Acceptable parking facilities shall be convenient from the street or staff parking area and shall meet one of the following:

1. Covered, lockable enclosures with permanently anchored racks for bicycles;
2. Lockable bicycle rooms with permanently anchored racks; or
3. Lockable, permanently anchored bicycle lockers.

5.106.5.3 Electric vehicle (EV) charging. [N] Construction shall comply with Section 5.106.5.3.1 or Section 5.106.5.3.2 to facilitate future installation of electric vehicle supply equipment (EVSE). When EVSE(s) is/are installed, it shall be in accordance with the

California Building Code, the *California Electrical Code* and as follows:

5.106.5.3.1 Single charging space requirements. [N] When only a single charging space is required per Table 5.106.5.3.3, a raceway is required to be installed at the time of construction and shall be installed in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. A listed raceway capable of accommodating a 208/240-volt dedicated branch circuit.
3. The raceway shall not be less than trade size 1 inch.
4. The raceway shall originate at a service panel or a subpanel serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into a listed suitable cabinet, box, enclosure or equivalent.
5. The service panel or subpanel shall have sufficient capacity to accommodate a minimum 40-amprere dedicated branch circuit for the future installation of the EVSE.

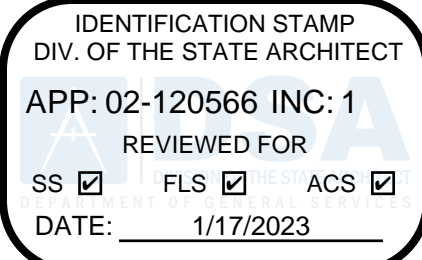
5.106.5.3.2 Multiple charging space requirements. [N] When multiple charging spaces are required per Table 5.106.5.3.3 raceway(s) is/are required to be installed at the time of construction and shall be installed in accordance with the *California Electrical Code*. Construction plans and specifications shall include, but are not limited to, the following:

1. The type and location of the EVSE.
2. The raceway(s) shall originate at a service panel or a subpanel(s) serving the area, and shall terminate in close proximity to the proposed location of the charging equipment and into listed suitable cabinet(s), box(es), enclosure(s) or equivalent.
3. Plan design shall be based upon 40-amprere minimum branch circuits.
4. Electrical calculations shall substantiate the design of the electrical system, to include the rating of equipment and any on-site distribution transformers and have sufficient capacity to simultaneously charge all required EVs at its full rated amperage.
5. The service panel or subpanel(s) shall have sufficient capacity to accommodate the required number of dedicated branch circuit(s) for the future installation of the EVSE.

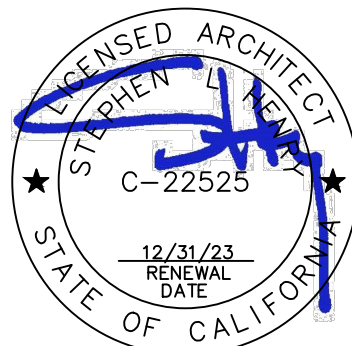
EV charging space calculation. [N] Table 5.106.5.3.3 shall be used to determine if single or multiple charging space requirements apply for the future installation of EVSE.

Exceptions: On a case-by-case basis where the local enforcing agency has determined EV charging and infrastructure is not feasible based upon one or more of the following conditions:

1. Where there is insufficient electrical supply.
2. Where there is evidence suitable to the local enforcing agency substantiating that additional local utility infrastructure design requirements, directly related to the implementation of Section 5.106.5.3, may adversely impact the construction cost of the project.



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MODERNIZATION VINEWOOD
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(INCREMENT 1)

FORM DSA GL-4

CONSULTANT

PROJECT NO.	REVISIONS	BY
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NBS 5.507.4.2.2. Documentation of compliance. An acoustical analysis documenting complying interior sound levels shall be prepared by personnel approved by the architect or engineer of record.

NBS 5.507.4.3 Interior sound transmission. Wall and floor-ceiling assemblies separating tenant spaces and tenant spaces and public places shall have an STC of at least 40.

Note: Examples of assemblies and their various STC rating may be found at the California Office of Noise Control: www. https://www.tsib.org/files/STC_IIC_Ratings.pdf

SECTION 5.508 – OUTDOOR AIR QUALITY

5.508.1 Ozone depletion and greenhouse gas reductions. Installations of HVAC, refrigeration and fire suppression equipment shall comply with Sections 5.508.1.1 and 5.508.1.2.

BS 5.508.1.1 Chlorofluorocarbons (CFCs). Install HVAC, refrigeration and fire suppression equipment that do not contain CFCs.

A DSA Project Submittal Guideline is a compilation of recommendations based on code, referenced standards, DSA bulletin/policy/procedure/interpretation documents, and DSA practices. These guidelines are intended to give the design profession helpful information and insight into DSA's project application, submittal, and review processes. Guidelines are provided by DSA in support of DSA's goals of providing stakeholders information they need to facilitate working smoothly with DSA, and to help standardize practices among the four DSA Regional Offices.

Compliance with a Guideline does not assure that a project is complete or that it adheres to the requirements of the California Building Standards Code (Title 24 of the California Code of Regulations) or all DSA requirements. Additional information may be required, depending on project complexity or site conditions. For complete submittal requirements see forms DSA 1: *Application for Approval of Plans and Specifications* and DSA 3: *Project Submittal Checklist*.

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2. Field verification of on-site product containers.

NBS 5.504.4.4 Carpet systems. All carpet installed in the building interior shall meet at least one of the following testing and product requirements:

1. Carpet and Rug Institute's Green Label Plus Program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chambers, Version1.1, February 2010 (also known as CDPH Standard Method V1.1 or *Specification 01350*);
3. NSF/ANSI 140 at the Gold level or higher;
4. Scientific Certifications Systems Sustainable Choice; or
5. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria 2014 and listed in the CHPS High Performance Product Database.

NBS 5.504.4.4.1 Carpet cushion. All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program.

NBS 5.504.4.4.2 Carpet adhesive. All carpet adhesive shall meet the requirements of Table 5.504.4.1.

BS 5.504.4.5 Composite wood products. Hardwood plywood, particleboard, and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure (ATCM) for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted by the ATCM must meet the specified emission limits as shown in Table 5.504.4.5.

TABLE 5.504.4.5 – FORMALDEHYDE LIMITS
(See CALGreen for TABLE)

BS 5.504.4.6 Resilient flooring systems. For 80 percent of floor area receiving resilient flooring, installed resilient flooring shall meet at least one of the following:

1. Certified under the Resilient Floor Covering Institute (RFCI) FloorScore program;
2. Compliant with the VOC-emission limits and testing requirements specified in the California Department of Public Health's 2010 Standard Method for the Testing and Evaluation Chambers, Version 1.1, February 2010;
3. Compliant with the Collaborative for High Performance Schools California (CA-CHPS) Criteria 2014 and listed in the CHPS High Performance Product Database; or
4. Products certified under the UL GREENGUARD Gold (formerly the Greenguard Children & Schools program).

NBS 5.504.5.3 Filters. In mechanically ventilated buildings, provide regularly occupied areas of the building with air filtration media for outside and return air prior to occupancy that provides at least a Minimum Efficiency Reporting Value (MERV) of 13. MERV 13 filters shall be installed prior to occupancy and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual.

Exception: Existing mechanical equipment.

5.504.5.3.1 Labeling. Installed filters shall be clearly labeled by the manufacturer indicating the MERV rating.

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SECTION 5.505 – INDOOR MOISTURE CONTROL

NBS 5.505.1 Indoor moisture control. Buildings shall meet or exceed the provisions of *California Building Code*, CCR, Title 24, Part 2, Sections 1202 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures see Section 5.407.2 of this code.

SECTION 5.506 – INDOOR AIR QUALITY

NBS 5.506.1 Outside air delivery. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 120.1 (Requirements for Ventilation) of the *California Energy Code*, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8.

SECTION 5.507 – ENVIRONMENTAL COMFORT

NBS 5.507.4 Acoustical control. Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E 90 and ASTM E 413 or Outdoor–Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in Section 5.507.4.1 or 5.507.4.2.

Exception: Buildings with few or no occupants or where occupants are not likely to be affected by exterior noise, as determined by the enforcement authority, such as factories, stadiums, storage, enclosed parking structures and utility buildings.

Exception: [DSA-SS] For public schools and community colleges, the requirement of this section and all subsections apply only to new construction.

NBS 5.507.4.1 Exteriors noise transmission, prescriptive method. Wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall meet a composite STC rating of at least 50 or a composite OITC rating of no less than 40, with exterior windows of a minimum STC of 40 or OITC of 30 in the following locations:

1. Within the 65 CNEL noise contour of an airport.

Exceptions:

1. L_{eq} or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan.
2. L_{eq} or CNEL for other airports and heliports for which a land use plan has not been developed shall be determined by the local general plan noise element.
2. Within the 65 CNEL or L_{eq} noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

NBS 5.507.4.1.1 Noise exposure where noise contours are not readily available. Buildings exposed to a noise level of 65 dBL_{eq} 1-hr during any hour of operation shall have building, addition or alteration exterior wall and roof-ceiling assemblies exposed to the noise source meeting a composite STC rating of at least 45 (or OITC 35), with exterior windows of a minimum STC of 40 (or OITC 30).

NBS 5.507.4.2 Performance method. For buildings located as defined in Section 5.507.4.1 or 5.507.4.1.1, wall and roof-ceiling assemblies exposed to the noise source making up the building or addition envelope or altered envelope shall be constructed to provide an interior noise environment attributable to exterior sources that does not exceed an hourly equivalent noise level (L_{eq} 1Hr) of 50 dBA in occupied areas during any hour of operation.

NBS 5.507.4.2.1 Site features. Exterior features such as sound wall or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior.

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2. Determines if construction and demolition waste materials will be sorted on-site (source-separated) or bulk mixed (single stream).
3. Identifies diversion facilities where construction and demolition waste material collected will be taken.
4. Specifies that the amount of construction and demolition waste materials diverted shall be calculated by weight or volume, but not by both.

BS 5.408.1.2 Waste management company. Utilize a waste management company that can provide verifiable documentation that the percentage of construction and demolition waste material diverted from the landfill complies with this section.

Note: The owner or contractor shall make the determination if the construction and demolition waste material will be diverted by a waste management company.

Exceptions to Sections 5.408.1.1 and 5.408.1.2:

1. Excavated soil and land-clearing debris.
2. Alternate waste reduction methods developed by working with local agencies if diversion or recycle facilities capable of compliance with this item do not exist.
3. Demolition waste meeting local ordinance or calculated in consideration of local recycling facilities and markets.

BS 5.408.1.3 Waste stream reduction alternative. The combined weight of new construction disposal that does not exceed two pounds per square foot of building area may be deemed to meet the 65 percent minimum requirement as approved by the enforcing agency.

BS 5.408.1.4 Documentation. Documentation shall be provided to the enforcing agency which demonstrates compliance with Section 5.408.1.1 through 5.408.1.3. The waste management plan shall be updated as necessary and shall be accessible during construction for examination by the enforcing agency.

Notes:

1. Sample forms found in "A Guide to the California Green Building Standards Code (Nonresidential)" located at www.bsc.ca.gov/Home/CALGreen.aspx may be used to assist in documenting compliance with the waste management plan.
2. Mixed construction and demolition debris (C&D) processors can be located at the California Department of Resources Recycling and Recovery (CalRecycle).

SECTION 5.410 – BUILDING MAINTENANCE AND OPERATION

BS 5.410.1 Recycling by occupants. Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals or meet a lawfully enacted local recycling ordinance, if more restrictive.

Exception: Rural jurisdictions that meet and apply for the exemption of Public Resources Code 42649.82 (a)(2)(A) et seq. will also be exempt from the organics waste portion of this section.

BS 5.410.1.2 Sample ordinance. Space allocation for recycling areas shall comply with Chapter 18, Part 3, Division 30 of the *Public Resources Code*. Chapter 18 is known as the California Solid Waste Reuse and Recycling Access Act of 1991 (Act).

Note: A sample ordinance for use by local agencies may be found in Appendix A of the document at the CalRecycle's website.

DIVISION 5.5 ENVIRONMENTAL QUALITY

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SECTION 5.504.1 – POLLUTANT CONTROL

BS 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheet metal or other methods acceptable to the enforcing agency to reduce the amount of dust, water and debris which may enter the system.

5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.6.

BS 5.504.4.1 Adhesives, sealants, and caulks. Adhesives, sealants, and caulks used on the project shall meet the requirements of the following standards:

1. Adhesives, adhesive bonding primers, adhesive primers, sealants, sealant primers, and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Tables 5.504.4.1 and 5.504.4.2. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene chloride, perchloroethylene, and trichloroethylene), except for aerosol products as specified in subsection 2, below.
2. Aerosol adhesives, and smaller unit sizes of adhesives, and sealant or caulking compounds (in units of product, less packaging, which do not weigh more than one pound and do not consist of more than 16 fluid ounces) shall comply with statewide VOC standards and other requirements, including prohibitions on use of certain toxic compounds, of *California Code of Regulations*, Title 17, commencing with Section 94507.

TABLE 5.504.4.1 – ADHESIVE VOC LIMIT
(See CALGreen for TABLE)

TABLE 5.504.4.2 – SEALANT VOC LIMIT
(See CALGreen for TABLE)

BS 5.504.4.3 Paints and coatings. Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3, shall be determined by classifying the coating as a Flat, Nonflat, or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.

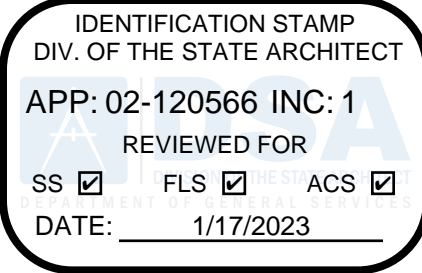
TABLE 5.504.4.3 – VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS
(See CALGreen for TABLE)

BS 5.504.4.3.1 Aerosol paints and coatings. Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.

5.504.4.3.2 Verification. Verification of compliance with this section shall be provided at the request of the enforcing agency. Documentation may include, but is not limited to, the following:

1. Manufacturer's product specification.

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DIVISION OF THE STATE ARCHITECT DEPARTMENT OF GENERAL SERVICES STATE OF CALIFORNIA



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

FORM DSA GL-4

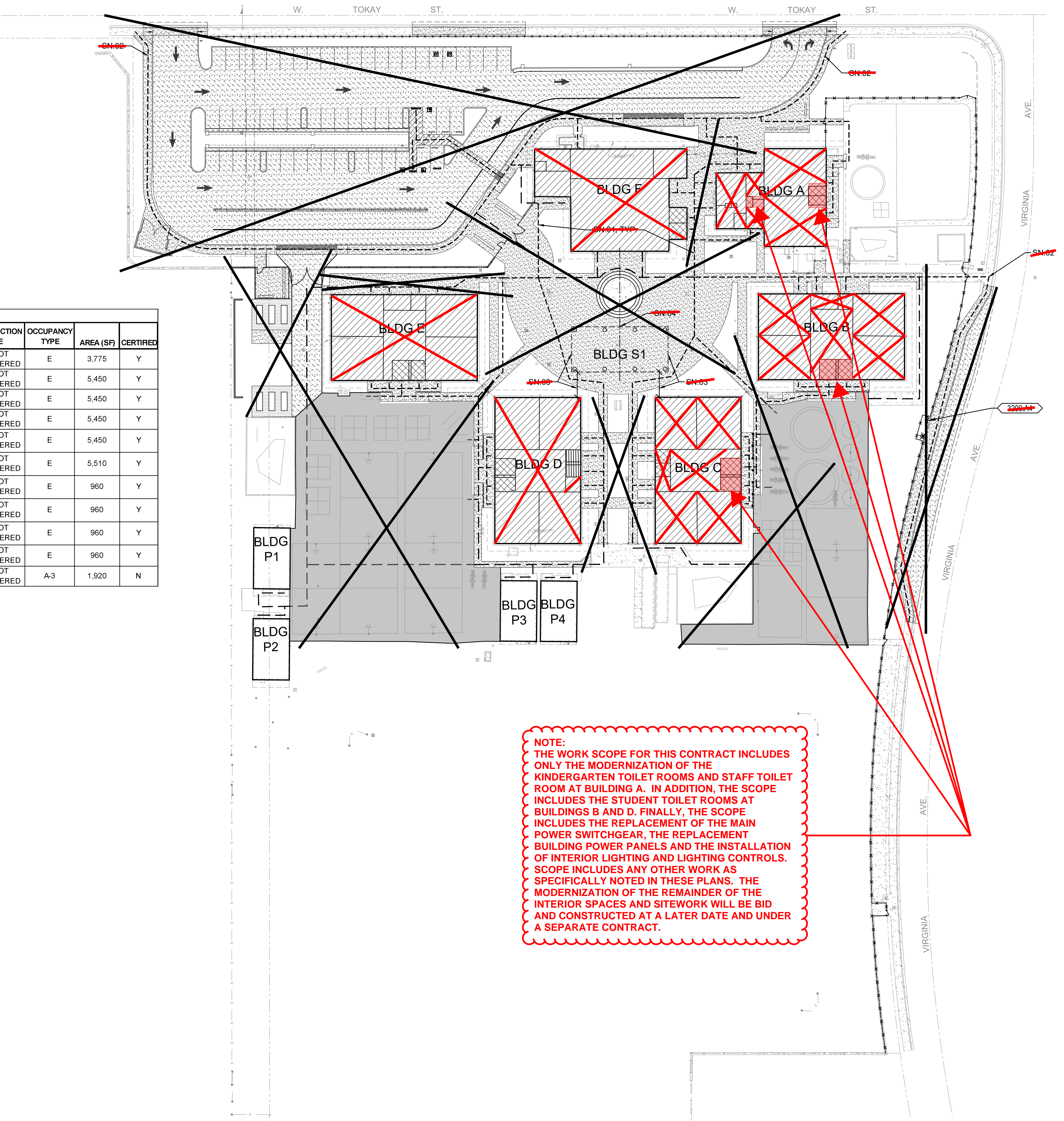
CONSULTANT

PROJECT NO.	REVISIONS	BY
21-32-053		
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5/26/2022		
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JCBS		
SCALE		
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SHEET NO.		

A0.4

THIS SHEET IS BEING PROVIDED FOR INFORMATION ONLY. THE LIMITED WORK SCOPE IS DESCRIBED BELOW IN THE CLOUDED NOTE.

BUILDING DATA					
BUILDING	DSA APPLICATION NUMBER	CONSTRUCTION TYPE	OCCUPANCY TYPE	AREA (SF)	CERTIFIED
BLDG. A - KINDERGARTEN / MULTIPURPOSE	27083	VB, NOT SPRINKLERED	E	3,775	Y
BLDG. B - CLASSROOMS	27083, 02-101399	VB, NOT SPRINKLERED	E	5,450	Y
BLDG. C - CLASSROOMS	27083	VB, NOT SPRINKLERED	E	5,450	Y
BLDG. D - CLASSROOMS	38415	VB, NOT SPRINKLERED	E	5,450	Y
BLDG. E - CLASSROOMS	38415	VB, NOT SPRINKLERED	E	5,450	Y
BLDG. F - MULTIPURPOSE	38415	VB, NOT SPRINKLERED	E	5,510	Y
BLDG. P1-RELOCATABLE CLASSROOM	48768	VB, NOT SPRINKLERED	E	960	Y
BLDG. P2-RELOCATABLE CLASSROOM	48768	VB, NOT SPRINKLERED	E	960	Y
BLDG. P3-RELOCATABLE CLASSROOM	02-115996	VB, NOT SPRINKLERED	E	960	Y
BLDG. P4-RELOCATABLE CLASSROOM	02-115996	VB, NOT SPRINKLERED	E	960	Y
BLDG. S1-SHADE STRUCTURE (PROPOSED-INC. 2)	02-120566	VB, NOT SPRINKLERED	A-3	1,920	N



NOTE: THE WORK SCOPE FOR THIS CONTRACT INCLUDES ONLY THE MODERNIZATION OF THE KINDERGARTEN TOILET ROOMS AND STAFF TOILET ROOM AT BUILDING A. IN ADDITION, THE SCOPE INCLUDES THE STUDENT TOILET ROOMS AT BUILDINGS B AND D. FINALLY, THE SCOPE INCLUDES THE REPLACEMENT OF THE MAIN POWER SWITCHGEAR, THE REPLACEMENT BUILDING POWER PANELS AND THE INSTALLATION OF INTERIOR LIGHTING AND LIGHTING CONTROLS. SCOPE INCLUDES ANY OTHER WORK AS SPECIFICALLY NOTED IN THESE PLANS. THE MODERNIZATION OF THE REMAINDER OF THE INTERIOR SPACES AND SITEWORK WILL BE BID AND CONSTRUCTED AT A LATER DATE AND UNDER A SEPARATE CONTRACT.

PROPERTY LINE

ACCESSIBLE PATH OF TRAVEL - SEE NOTES THIS SHEET

(N) CONCRETE WALK CONSTRUCTION
NOTE: FOLLOW JOINT PATTERN AS SHOWN ON SITE PLAN
Control Joint (10'-0" Max. Spacing U.O.N.) - Shown Lighter

(N) ORNAMENTAL METAL FENCE

(E) ORNAMENTAL METAL FENCE TO REMAIN

(N) CHAIN LINK FENCE

(E) CHAIN LINK FENCE TO REMAIN

(N) CHAIN LINK FENCE FABRIC TO BE INSTALLED O/ (E) MODIFIED FRENCH FRAME

PATH TO SAFE DISPERSAL AREA OR PUBLIC WAY

DESIGNATED AREA OF SAFE DISPERSAL

(E) FIRE HYDRANT

POST INDICATOR & VALVE (PIV)

BACKFLOW PREVENTER

METER AND BACKFLOW

TRUNCATED DOMES

DRAINAGE STRUCTURE - SEE CIVIL

CLEAN OUT

AREA DRAIN

MAN HOLE COVER

DROP INLET

TRENCH DRAIN

ELECTRICAL STRUCTURE - SEE ELECTRICAL

POLE MOUNTED FIXT. TOP MOUNTED

POLE MOUNTED FIXT. TWIN HEAD

POLE MOUNTED FIXT. SINGLE HEAD

UNDERGROUND PULLBOX

TRANSFORMER

SWITCHBOARD

NEW BUILDING

EXISTING AREA OF BUILDING TO BE MODERNIZED

EXISTING TOILET ROOM TO BE MODERNIZED

EXISTING TOILET ROOM - NO WORK

NEW CONCRETE WALKWAY

(N) ASPHALT TO CONCRETE PAVING

EXISTING WALKWAY TO REMAIN

NEW LANDSCAPE AREA

EXISTING HARDSCAPE TO BE GROUND, OVERLAPPED & RESTRIPTED

NEW TOILET ROOM

SHEET NOTES

- SN-01 ACCESSIBLE PATH OF TRAVEL
- SN-02 ACCESSIBLE PATH OF TRAVEL FROM PUBLIC RIGHT-OF-WAY
- SN-03 17'-0" SEPARATION ALLOWED PER DSA IN 31-B-303. SHADE STRUCTURE INCREMENT 2 LOCATION IS MORE THAN 10' TO LESS THAN 20' FROM ADJACENT BUILDING EXTERIOR WALLS. SHADE STRUCTURE IS CONSTRUCTED W/ NON-COMBUSTIBLE STRUCTURAL FRAME WITH NON-COMBUSTIBLE OR FLAME-RESISTANT ROOF COVERING.
- SN-04 CENTER SHADE STRUCTURE (INCREMENT 2) IN EAST-WEST DIRECTION WITH SOUTH WALL OF BUILDING.

KEYNOTES

3200 SITEWORK
3200/A4 (E) FIRE HYDRANT

PATH OF TRAVEL: - - - - -

Path of travel (P.O.T.) as indicated is a barrier free access without any abrupt vertical changes exceeding 1/8" at 1:2 Maximum slope, except that level changes do not exceed 1/4" vertical (11B-303.3 & 11B-403.4). P.O.T. is a minimum of 48" wide (11B-403.5.1Ex3) slip resistant surface with 5% max. slope and 1:48 max. cross slope (11B-403.3). Passing spaces (11B-403.5.3) of 60" x 60" min. are located not more than 200' apart. Walks with continuous gradients have 60" in length of level areas (11B-403.7) not more than 400' apart. P.O.T. shall be maintained free of overhanging obstructions to 80" min (11B-307.4) and protruding objects (11B-307) greater than 4" projection from wall above 27" and less than 80". There is no drop-off over 4" at the edge of walk or landing unless identified by a guard, a handrail, or a warning curb at least 6" in height above the walk (11B-303.5).

Design Professional in General Responsible Charge Statement

The POT identified in the construction documents is compliant with current applicable California Building Code accessibility provisions for path of travel requirements for alterations and structural repairs. As part of the design of this project, the POT was examined and any elements, components or portion of the POT that were determined to be noncompliant 1) have been identified and 2) the corrective work necessary to bring them into compliance has been included within the scope of this project's work through details, drawings and specification incorporated into these construction documents. Any noncompliant elements, components or portion of the POT that will not be corrected by this project based on valuation threshold limitations or a finding of unreasonable hardship are so indicated in these construction documents.

During construction, if POT items within the scope of the project represented as code compliant are found to be nonconforming beyond reasonable construction tolerances, they shall be brought into compliance with the CBC as a part of this project by means of a "Construction Change Document" (form DSA 140).

1 CODE ANALYSIS SITE PLAN
A1.1.1 SCALE: 1" = 40'-0" 0 20 40 80

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
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DATE: 1/17/2023

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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

CODE ANALYSIS
SITE PLAN

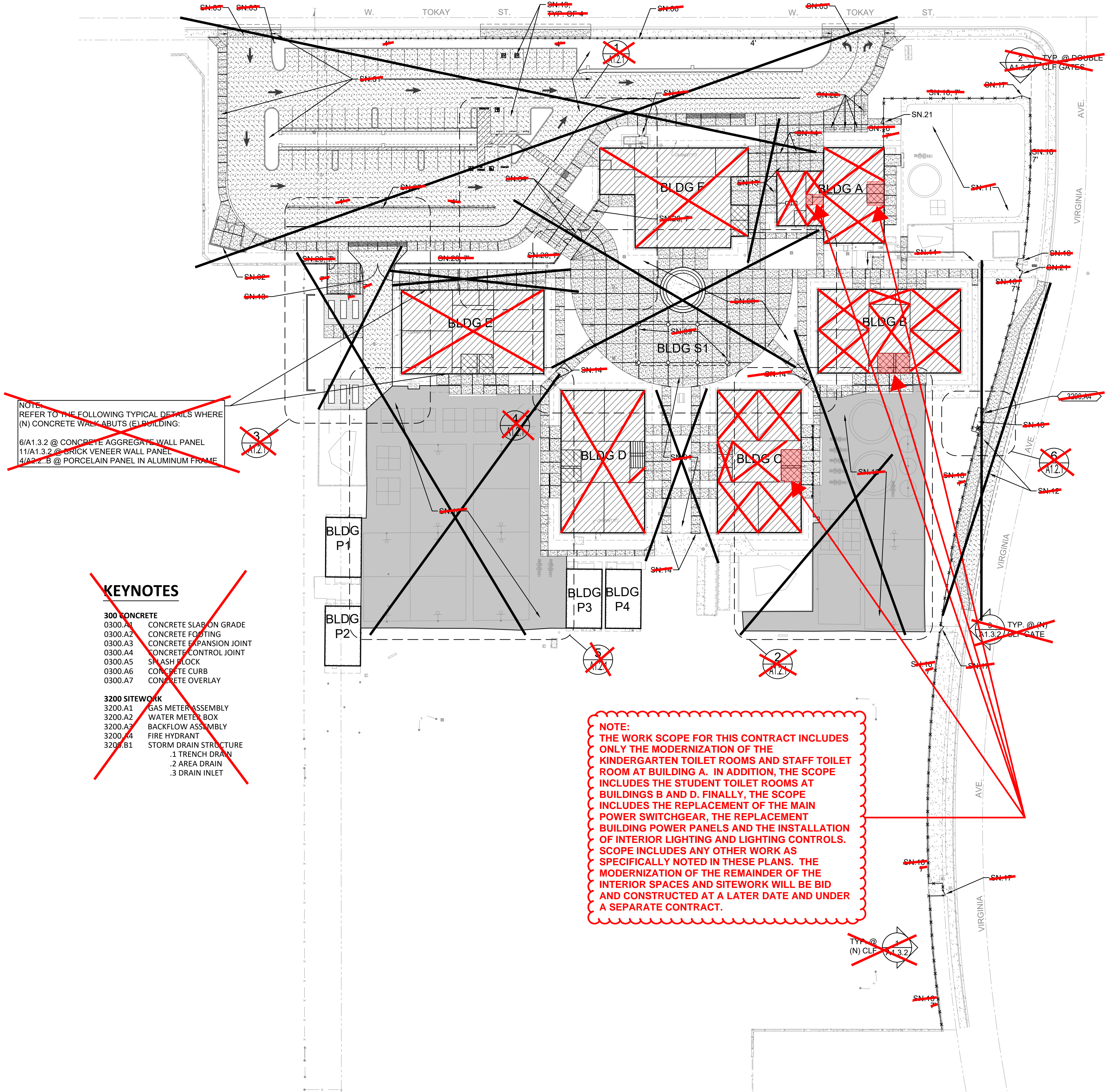
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A1.1.1

07 OF 131 SHEETS

THIS SHEET IS BEING PROVIDED FOR INFORMATION ONLY. THE LIMITED WORK SCOPE IS DESCRIBED BELOW IN THE CLOUDED NOTE.



NOTE:
REFER TO THE FOLLOWING TYPICAL DETAILS WHERE
(N) CONCRETE WALK ABUTS (E) BUILDING:
6/A1.3.2 @ CONCRETE AGGREGATE WALL PANEL
11/A1.3.2 @ BRICK VENEER WALL PANEL
4/A1.3.2 @ PORCELAIN PANEL IN ALUMINUM FRAME

KEYNOTES

- 3000 CONCRETE**
0300.A1 CONCRETE SLAB ON GRADE
0300.A2 CONCRETE FOOTING
0300.A3 CONCRETE EXPANSION JOINT
0300.A4 CONCRETE CONTROL JOINT
0300.A5 SAND FILL
0300.A6 CONCRETE CURB
0300.A7 CONCRETE OVERLAY
- 3200 SITEWORK**
3200.A1 GAS METER ASSEMBLY
3200.A2 WATER METER BOX
3200.A3 BACKFLOW ASSEMBLY
3200.A4 FIRE HYDRANT
3200.B1 STORM DRAIN STRUCTURE
1. TRENCH DRAIN
2. AREA DRAIN
3. DRAIN INLET

NOTE:
THE WORK SCOPE FOR THIS CONTRACT INCLUDES ONLY THE MODERNIZATION OF THE KINDERGARTEN TOILET ROOMS AND STAFF TOILET ROOM AT BUILDING A. IN ADDITION, THE SCOPE INCLUDES THE STUDENT TOILET ROOMS AT BUILDINGS B AND D. FINALLY, THE SCOPE INCLUDES THE REPLACEMENT OF THE MAIN POWER SWITCHGEAR, THE REPLACEMENT OF INTERIOR LIGHTING AND LIGHTING CONTROLS. SCOPE INCLUDES ANY OTHER WORK AS SPECIFICALLY NOTED IN THESE PLANS. THE MODERNIZATION OF THE REMAINDER OF THE INTERIOR SPACES AND SITEWORK WILL BE BID AND CONSTRUCTED AT A LATER DATE AND UNDER A SEPARATE CONTRACT.

SITE LEGEND

PROPERTY LINE
ACCESSIBLE PATH OF TRAVEL - SEE NOTES THIS SHEET

(N) CONCRETE WALK CONSTRUCTION
NOTE: FOLLOW JOINT PATTERN AS SHOWN ON SITE PLAN
Control Joint (10'-0" Max. Spacing U.O.N.) - Shown Lighter

(N) ORNAMENTAL METAL FENCE
(E) ORNAMENTAL METAL FENCE TO REMAIN
(N) CHAIN LINK FENCE
(E) CHAIN LINK FENCE TO REMAIN
(N) CHAIN LINK FENCE FABRIC TO BE INSTALLED ON (N) MODIFIED FENCE FRAME

PATH TO SAFE DISPERSAL AREA OR PUBLIC WAY
DESIGNATED AREA OF SAFE DISPERSAL
(E) FIRE HYDRANT
POST INDICATOR & VALVE (PIV)
BACKFLOW PREVENTER
METER AND BACKFLOW
TRUNCATED DOMES

DRAINAGE STRUCTURE - SEE CIVIL
CLEAN OUT
AREA DRAIN
MAN HOLE COVER
DROP INLET
TRENCH DRAIN

ELECTRICAL STRUCTURE - SEE ELECTRICAL
POLE MOUNTED FIXT. TOP MOUNTED
POLE MOUNTED FIXT. TWIN HEAD
POLE MOUNTED FIXT. SINGLE HEAD
UNDERGROUND PULLBOX
TRANSFORMER
SWITCHBOARD

NEW BUILDING
EXISTING AREA OF BUILDING TO BE MODERNIZED
EXISTING TOILET ROOM TO BE MODERNIZED
EXISTING TOILET ROOM - NO WORK
NEW CONCRETE WALKWAY
(N) ASPHALT TO CONCRETE PAVING
EXISTING WALKWAY TO REMAIN
NEW LANDSCAPE AREA
EXISTING HARDSHIRT TO BE GROUND, OVERLAPED & RESTRIPTED
NEW TOILET ROOM

GENERAL NOTES

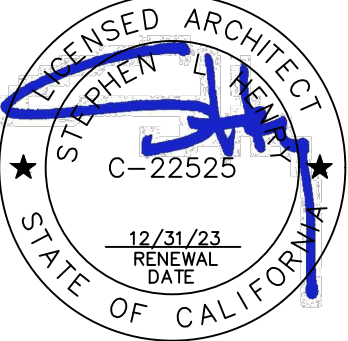
- SAFETY: CONTRACTOR SHALL BE SOLELY AND COMPLETELY RESPONSIBLE FOR THE CONDITIONS OF THE PREMISES ON WHICH THE WORK IS PERFORMER AND FOR THE SAFETY OF ALL PERSONS AND PROPERTY ON THE SITE BOTH DURING AND OUTSIDE OF NORMAL WORKING HOURS, UNTIL SUCH WORK IS ACCEPTED BY THE OWNER.
- UNDERGROUND SERVICES: THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES AND/OR UTILITY DISTRICTS AS TO THE LOCATION OF ALL UNDERGROUND FACILITIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR UNDERGROUND UTILITIES OR OTHER BURIED OBJECTS WHICH MAY BE ENCOUNTERED BUT WHICH ARE NOT SHOWN ON THESE DRAWINGS.
- USE OF BARRICADES AND SITE CONTROLS: WHEN THE WORK AREA HAS TRENCHES OR DITCHES DEEPER THAN ONE FOOT, THE CONTRACTOR SHALL PROVIDE FENCING AND BARRICADES AT SUCH TRENCHES OR DITCHES DURING THE WORK DAY. CONTRACTOR SHALL EXPEDITE THE FILLING AND COMPACTING OF SUCH TRENCHES OR DITCHES.
- QUANTITIES: MATERIAL QUANTITIES IF ANY ARE NOTED ON THESE DRAWINGS ARE NOT GUARANTEED CONTRACT QUANTITIES. CONTRACTOR IS TO PERFORM HIS OWN ESTIMATES AND QUANTITY TAKE-OFFS. CONTRACTOR IS TO PROVIDE ALL MATERIALS NECESSARY TO ACCOMPLISH PROJECT, EVEN IF QUANTITIES ARE DIFFERENT THAN THOSE SHOWN ON THE DRAWINGS.
- PRE-EXISTING CONDITIONS
a. CONTRACTORS SHALL VISIT THE SITE AND BECOME FAMILIAR WITH EXISTING OBSERVABLE SITE CONDITIONS PRIOR TO SUBMITTING BID.
b. ALL ITEMS NOT SHOWN AS (E) EXISTING SHALL BE CONSIDERED NEW AND ARE PART OF THIS CONTRACT.

SHEET NOTES

- N.01 (N) PARKING LOT, WALKWAYS AND LANDSCAPING - SEE CIVIL AND LANDSCAPE DRAWINGS
N.02 (N) TRASH ENCLOSURE - SEE CIVIL AND STRUCTURAL DRAWINGS
N.03 (N) TOW-AWAY SIGN - SEE CIVIL DRAWINGS DETAIL 5/C4.3
N.04 (N) ENTRY AREA, GATE, FENCING, BENCHES & PLANTERS - SEE CIVIL, LANDSCAPE, ELECTRICAL & ENLARGED PLAN
N.05 (N) DRIVEWAY CURB CUT - SEE CIVIL
N.06 (N) 4' TALL ORNAMENTAL METAL FENCE ALONG ENTIRE STREET FRONTAGE BETWEEN NEW DRIVEWAYS - SEE DETAIL 2/A1.3.1
N.07 (N) 4' TALL ORNAMENTAL METAL FENCE ALONG ENTIRE LENGTH OF CONCRETE ISLAND CURB - SEE DETAIL 2/A1.3.1
N.08 (N) QUAD AREA CONCRETE WALKWAYS AND PLANTERS - SEE CIVIL AND LANDSCAPE
N.09 (N) PRE-ENGINEERED SHADE STRUCTURE - INCREMENT 2
N.10 (E) HARD COURT TO BE GROUND, OVERLAPED AND RESTRIPTED - SEE ENLARGED PLAN AND CIVIL
N.11 (E) KINDERGARTEN PLAY YARD TO REMAIN - NO WORK
N.12 (N) BUS TURN-OUT LANE AND WALKWAY - SEE CIVIL
N.13 (N) EMERGENCY VEHICLE ACCESS GATES - SEE DETAIL 3/A1.3.1
N.14 PROTECT ALL (E) FENCES AND GATES TO REMAIN AND ADJUST ALL (E) GATES AS NECESSARY TO CLEAR (N) CONCRETE WALKWAYS IF CONFLICT OCCURS - TYPICAL - SEE DETAIL 5/A1.3.1
N.15 REMOVE (E) BENCH PRIOR TO WALKWAY DEMOLITION AND REINSTALL ON (N) CONCRETE WALKWAY - SEE DETAIL 9/A1.3.1
N.16 (E) CHAIN LINK FENCE FABRIC TO BE REMOVED, POST TO BE INCREASED IN HEIGHT TO 7', RAILS TO BE ADJUSTED FOR (N) HEIGHT AND (N) CHAIN LINK FENCE FABRIC TO BE INSTALLED ONTO (E) MODIFIED FENCE FRAME. SCOPE OCCURS ALONG ENTIRE FENCE LINE WHERE NOTED - SEE DETAIL 9/A1.3.2
N.17 (E) CHAIN LINK FENCE GATE(S) TO BE REMOVED AND REPLACED WITH (N) GATE(S) AT SAME WIDTH AS (E) GATE(S) AT (N) HEIGHT TO MATCH (N) FENCE HEIGHT. THIS GATE TO BE SECURED USING CHAIN LOCK - SEE DETAIL 4/A1.3.2
N.18 PROVIDE (N) FENCE POSTS AND (N) NO-CLIMB FENCE FABRIC WHERE CONFIGURATION HAS BEEN MODIFIED TO ACCOMMODATE (E) OR (N) GRADE MOUNTED UTILITY EQUIPMENT AT THIS LOCATION.
N.19 THESE STALLS HAVE BEEN DESIGNATED AS FUTURE ELECTRICAL VEHICLE CHARGING STATION STALLS. SEE ELECTRICAL FOR UNDERGROUND CONDUIT AND PULLBOXES REQUIRED TO BE INSTALLED UNDER THIS CONTRACT
N.20 (N) ORNAMENTAL IRON FENCE
N.21 (E) CHAIN LINK FENCE GATE(S) TO BE REMOVED AND REPLACED WITH (N) GATE(S) AT SAME WIDTH AS (E) GATE(S) AT (N) HEIGHT TO MATCH (N) FENCE HEIGHT. THIS GATE TO BE OUTFITTED WITH PANIC BAR, KEYED ACCESS AND ACCESSIBLE PULL - SEE DETAIL 3/A1.3.2
N.22 (N) 2' x 4' CONCRETE BENCHES - TYPICAL OF 4 - SEE CIVIL

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MODERNIZATION VINEWOOD
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SITE PLAN

CONSULTANT		
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A1.1.2

REPLACE NOTE DN.30 WITH THE FOLLOWING:
"REMOVE ALL (E) CERAMIC WALL TILE AND WALL BASE TILE THROUGHOUT ENTIRE TOILET ROOM (SEE LEAD ABATEMENT SPECIFICATION SECTION 02 83 00). REMOVE ANY MORTAR BED AND LATH AT WALLS TO EXPOSE WOOD STUDS FROM FLOOR TO CEILING (CEILING GYPSUM WALLBOARD TO REMAIN EXCEPT WHERE (N) BLOCKING OR OTHER CONSTRUCTION IS REQUIRED ABOVE CEILING). REMOVE GYPSUM WALLBOARD ABOVE TILE WAJNSCOTING TO UNDERSIDE OF CEILING. ANY (E) INSULATION IN WALLS TO REMAIN. PATCH FACE OF CONCRETE CURB PER RESINOUS WALL AND FLOOR COATING SPECIFICATION PRIOR TO INSTALLATION OF (N) FINISH."

GENERAL NOTES

- THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTION SCREENS, FIRE EXTINGUISHERS, WINDOW COVERINGS & TRACKS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE REMOVED AND TEMPORARILY STORED AND PROTECTED FOR LATER INSTALLATION.
- NOT ALL OF THE EXISTING INTRUSION ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
- WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS AND/OR WALLS, FLOORS OR CEILINGS ARE REMOVED TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS. THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
- NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
- SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
- SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0300 CONCRETE

0300.A1 CONCRETE SLAB ON GRADE

0600 WOOD, PLASTICS, COMPOSITES

0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS

0800 OPENINGS
0800.A1 DOOR AND FRAME
0800.A7 ACCESS PANEL
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHES

0900.A6 BASE
0900.A8 FLOORING TRANSITION STRIP
0900.B1 GYPSUM WALLBOARD
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B7 URETHANE RESIN FLOOR FINISH W/ 6" INTEGRAL COVED BASE
0900.B8 RESINOUS WALL COATING INSTALLED O/ (N) OR (E)

0900.C2 GYPSUM BOARD
GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES

1000.A2 MARKER BOARD
1. SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1. TOILET PARTITION PILASTER
1000.A7 TOILET ACCESSORIES
1. PAPER TOWEL DISPENSER
2. TOILET PAPER DISPENSER
3. SANITARY NAPKIN DISPENSER
4. SOAP DISPENSER
5. MIRROR
6. SANITARY NAPKIN DISPOSAL RECEPTACLE
7. GRAB BAR
8. SHELF
11 TOILET SEAT COVER DISPENSER
12 WASTE RECEPTACLE-RECESSED METAL SHELVING

1100 EQUIPMENT

1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFDI)
1100.A6 DISHWASHER (BELOW COUNTER)

1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS

1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING

2200.A1 PLUMBING EQUIPMENT
1. SINK
2. LAVATORY
3. TOILET
4. URINAL
5. DRINKING FOUNTAIN
6. MOP SINK
7. WATER HEATER
9 FLOOR DRAIN - SLOPE FLOOR TO DRAIN 1.5% MAX. SLOPE
12 VENT RISER PIPE

2300 HVAC

2300.A2 CEILING REGISTER - SEE MECHANICAL
2300.A3 MECHANICAL DUCT

2600 ELECTRICAL

2600.A2 LIGHT FIXTURE
2600.A7 FIRE ALARM DEVICE

DEMOLITION NOTES

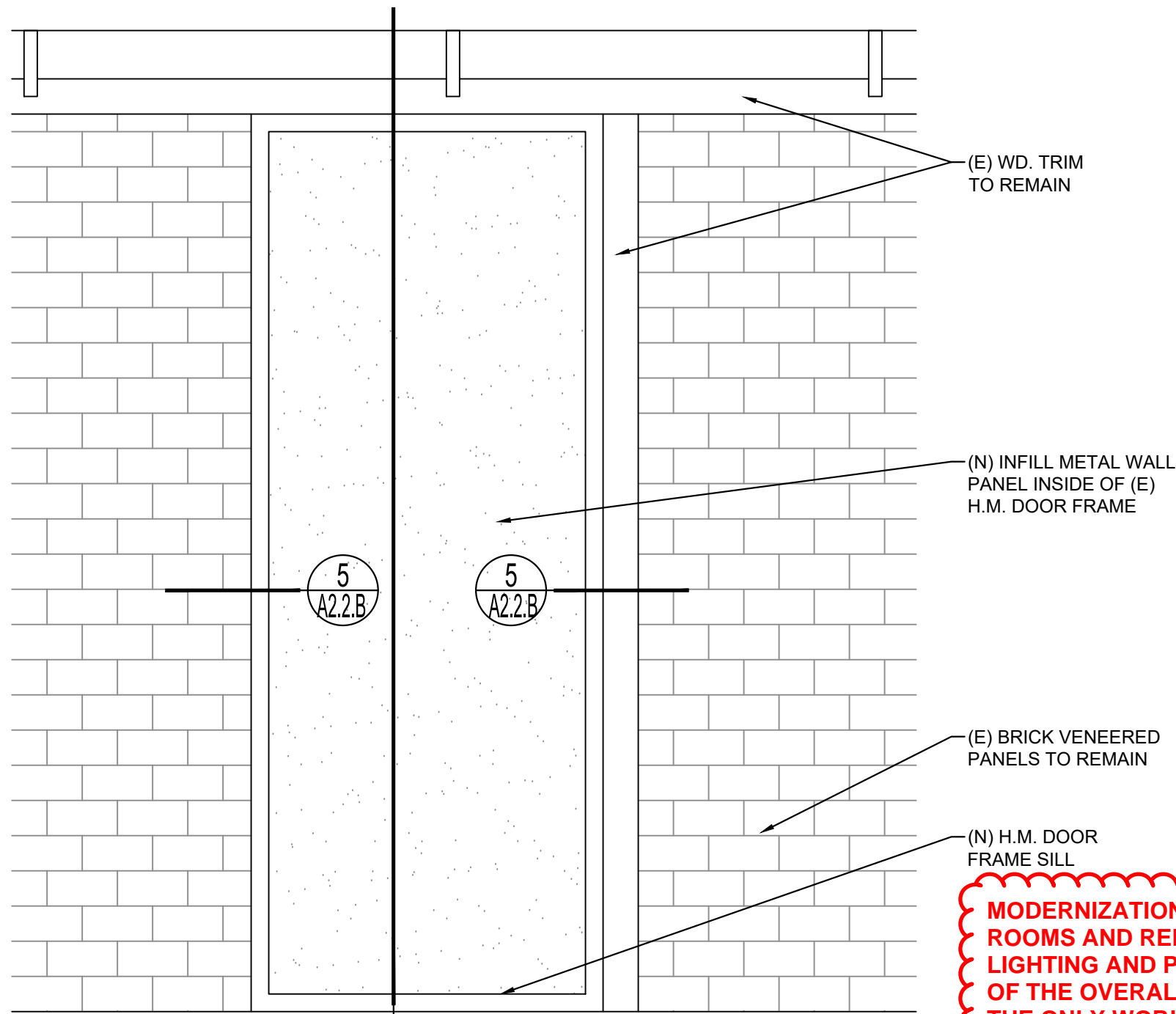
NOTE: NOT ALL NOTES MAY BE USED

- DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS
- DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR GALVANIZED ALUMINUM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION
- DN.03 REMOVE (E) CASEWORK (RELOCATE IF NOTED TO BE RELOCATED)
- DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS
- DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD
- DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT
- DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION
- DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS
- DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL
- DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE
- DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT
- DN.12 REMOVE (E) MIRROR/MEDICINE CABINET, SOAP, HAND SANITIZER, TOILET PAPER, TOILET SEAT COVER & PAPER TOWEL DISPENSER. STORE AND PROTECT FOR FUTURE REINSTALLATION
- DN.13 REMOVE (E) CONCRETE FLOOR SLAB (SHOWN HATCHED) AS REQUIRED TO INSTALL (N) UNDERFLOOR PLUMBING AND (N) FLOOR SLAB IN ORDER TO PROVIDE SLOPE TO FLOOR DRAIN - SEE STRUCTURAL DRAWINGS FOR (N) SLAB CONSTRUCTION
- DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE MAY NEED TO BE MOVED LATERALLY AND/OR UP/DOWN TO ALLOW FOR PROPER DISABLED ACCESSIBLE CLEARANCES PER SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) WALL FINISH IS REQUIRED AT EXPOSED LOCATION DN.15 REMOVE (E) FLOOR FINISHES WHERE OCCUR AND PREP FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH
- DN.15.1 REMOVE (E) VINYL WALL COVERING, FRP WAJNSCOTING OR OTHER WALL FINISHES AND PREP WALL AS REQUIRED FOR INSTALLATION OF (N) WALL FINISHES.
- DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR FUTURE REINSTALLATION
- DN.17 REMOVE (E) LAVATORY, CARRIER AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.18 REMOVE (E) TOILET AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.19 REMOVE (E) URINAL AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.20 REMOVE (E) SHELVING & WALL BRACKETS
- DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.22 REMOVE (E) TOILET PARTITIONS AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.23 REMOVE (E) LAVATORY. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.25 REMOVE (E) URINAL - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.27 REMOVE (E) WATER HEATER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.28 REMOVE (E) SINK. PLUMBING WASTE/VENT & SUPPLY AS NECESSARY DN.29 REMOVE (E) TILE OR FRP WAJNSCOTING. PREP WALL FOR (N) FINISHES
- DN.30 REMOVE (E) FRP WAJNSCOTING AT WALLS WHERE OCCURS & GYPSUM WALLBOARD AT WALLS AND CEILING AS REQUIRED TO EXPOSE WOOD STUDS. PREP WALL AND CEILING TO RECEIVE (N) INFL FRAME WALL AND FINISHES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES AND TO PREPARE CARRIER FINISHES - SEE MATERIALS AND FINISH SCHEDULE.
- DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES & FRAMING AT HEAD AND JAMB. PREP OPENING TO RECEIVE (N) INFL FRAME WALL AND FINISHES
- DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCUR. SEE DOOR SCHEDULE FOR (N) H.M. DOOR & HARDWARE TO BE INSTALLED IN (E) FRAME
- DN.33 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) H.M. DOOR & HARDWARE TO BE INSTALLED IN (E) FRAME
- DN.34 REMOVE (E) DOOR AND HARDWARE. WELD IN STEEL PLATES TO CLOSE HINGE AND STONE RECESSES AND VOIGS AND FINISH WITH PLASTIC FILLET. GRIND AND SAND TO MAKE FLUSH. SEE DETAILS FOR METAL WALL PANEL INFILL
- DN.35 REMOVE (E) WALL PARTITION. CONCRETE CURBS(WHERE OCCUR) AND PATCH BACK FLOOR, WALL & CEILING FINISHES AS REQUIRED
- DN.36 REMOVE (E) WINDOW GLAZING, WINDOW FRAME, WALL BELOW SILL AND ANY CONCRETE CURB. SEE DETAILS FOR INSTALLATION OF NEW DOOR AND FRAME
- DN.37 REMOVE (E) DOOR, FRAME AND HARDWARE DN.38 REMOVE (E) SURFACE MOUNTED CONDUIT & OUTLET - SEE ELECTRICAL
- DN.39 REMOVE (E) SHELF
- DN.40 REMOVE (E) RADIANT WALL HEATER - SEE MECHANICAL & ELECTRICAL
- DN.41 REMOVE (E) WALL BASE, CARPET AND ANY OTHER FLOOR FINISHES. REMOVE (E) V.A.T. AND ANY OTHER FLOOR FINISHES BELOW THE CARPET. PREP (E) CONCRETE SLAB AS REQUIRED BY (N) FLOOR FINISH MANUFACTURER. SEE ADDITIONAL SPECIFICATIONS FOR HAZARDOUS MATERIALS ABATEMENT
- DN.42 REMOVE (E) WINDOW GLAZING FROM (E) FRAME AND REPLACE WITH (N) METAL WINDOW PANEL
- DN.43 REMOVE (E) WINDOW GLAZING THIS OPENING & REPLACE W/ (N) TEMPERED WINDOW GLAZING. PORCELAIN PANEL UNIT BELOW TO REMAIN.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

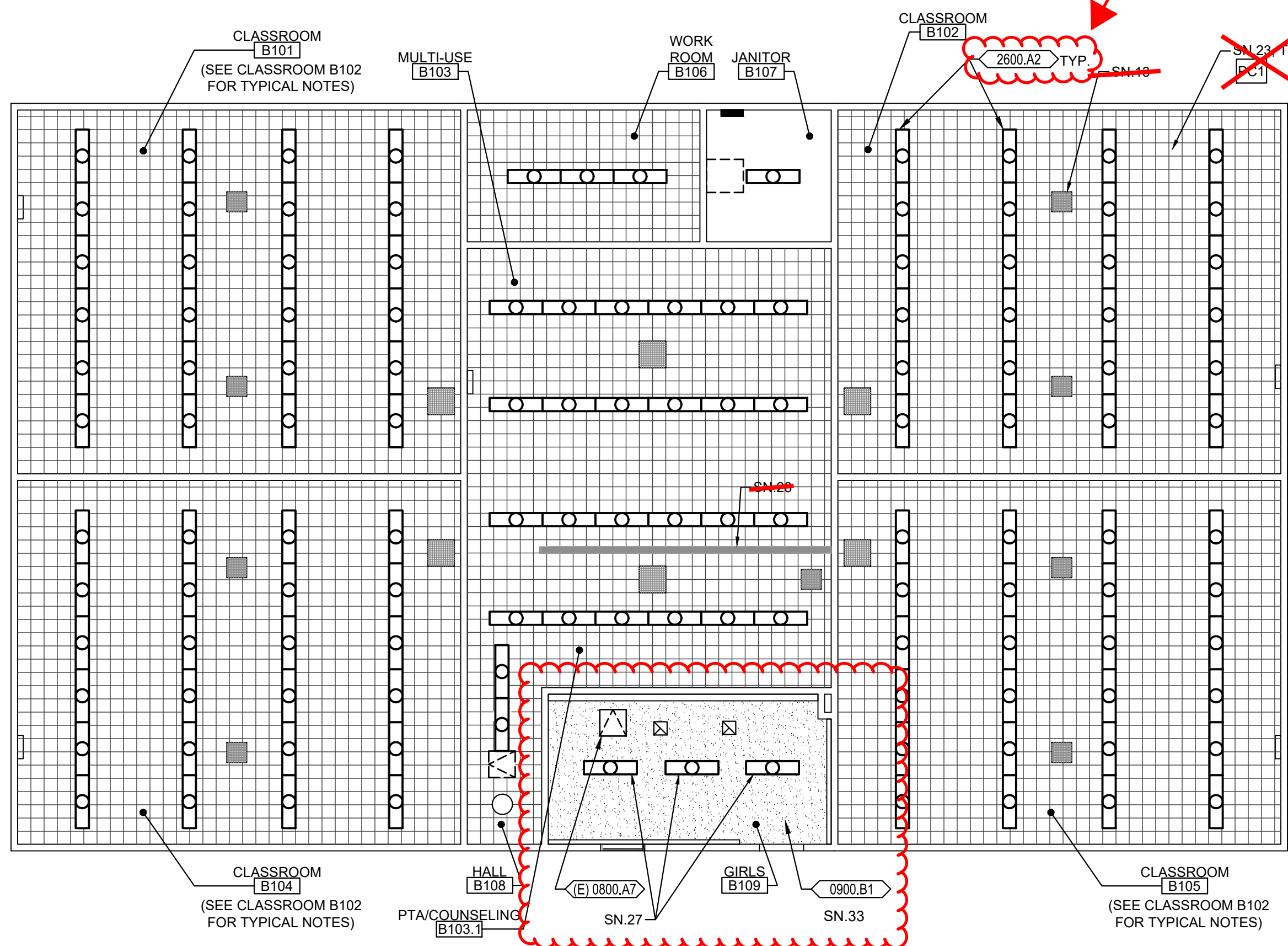
- SN.01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
- SN.02 (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
- SN.03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
- SN.04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
- SN.05 (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
- SN.06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH
- SN.07 FLOOR FINISHES TO REMAIN TO BE PROTECTED DURING CONSTRUCTION OPERATIONS. REMOVE OR CUT BACK (E) FLOOR FINISHES AS REQUIRED FOR (N) CONSTRUCTION. PULL UP, FOLD BACK & PROTECT (E) FLOOR FINISHES THAT ARE TO REMAIN AND RE-INSTALL FOLLOWING COMPLETION OF (N) CONSTRUCTION
- SN.08 (E) CLOCKSPEAKER OR SPEAKER TO REMAIN IN PLACE AND PROTECTED
- SN.09 (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED
- SN.10 (E) PROJECTOR, PROJECTION SCREEN, TV & TV MOUNT TO REMAIN IN PLACE AND PROTECTED. PAINT ANY EXPOSED MOUNTING BOARDS TO MATCH WALL FINISH
- SN.11 (E) SHELF, COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT SHELF OR MOUNTING BOARD TO MATCH WALLS
- SN.12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION
- SN.13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS - PAINT
- SN.14 RELOCATE (E) CASEWORK CUBBIE UNIT TO THIS LOCATION
- SN.15 FRAME NEW WALL OR FURRED WALL AND PROVIDE 6" TALL CONCRETE CURB AT TOILET ROOM AND WET LOCATIONS PER STRUCTURAL. FINISH WALL WITH GYPSUM WALLBOARD AND ANY SPECIALTY COATINGS PER FINISH SCHEDULE AND INTERIOR ELEVATIONS
- SN.16 NO NEW WORK THIS SPACE
- SN.17 DISABLED ACCESSIBLE
- SN.18 (E) TOILET ACCESSORIES TO REMAIN IN PLACE AND PROTECTED. MASK FOR PAINTING OF WALL
- SN.19 THIS STALL TO BE AN AMBULATORY STALL. SEE ACCESSIBLE TOILET STALL FOR AMBULATORY STALL CLEARANCES, REQUIREMENTS AND DIMENSIONS
- SN.20 (E) EXPOSED WIRING, CABLEING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS NECESSARY FOR PREP AND PAINT PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH
- SN.21 PREP AND PAINT EXISTING WINDOW FRAMES, DOOR FRAMES AND DOOR
- SN.22 PREP AND PAINT (E) OR (N) WALL, WALL TRIM AND CEILING SURFACES (WHERE INDICATED ON REFLECTED CEILING PLAN). PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING
- SN.23 PREP AND PAINT EXISTING CEILING AND EXPOSED BEAMS (WHERE OCCUR)
- SN.24 (E) TOILET ACCESSORY TO BE REINSTALLED AT (N) LOCATION FOLLOWING INSTALLATION OF NEW WALL FINISHES
- SN.25 (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK
- SN.26 INSTALL (N) CEILING TILE OR (N) GYP. BD. UNDERLAMENT. SEE DEMOLITION PLAN FOR REMOVAL OF VARIOUS (E) COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF (N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED OF (N) FINISHED CEILING
- SN.27 COORDINATE LOCATION OF LIGHT FIXTURES AND OTHER CEILING MOUNTED COMPONENTS WITH TOILET PARTITION FULL HEIGHT PILASTERS
- SN.28 CUT BACK/REMOVE AND SALVAGE (E) CEILING TILE AND REMOVE ANY (E) SUB-FINISH TO EXPOSE ROOF OR CEILING STRUCTURE AND TO ALLOW CONNECTION OF (N) WALL HEAD TO ROOF OR CEILING STRUCTURE. RE-INSTALL SALVAGED CEILING TILE AROUND (N) WALL FOLLOWING FRAMING AND FINISHING - SEE STRUCTURAL FOR NEW WALL FRAMING
- SN.29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMMODATE (N) RESINOUS FLOOR FINISH
- SN.30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION
- SN.31 (E) FIRE EXTINGUISHER TO REMAIN
- SN.32 NON-KITCHEN AREAS: PROVIDE (N) UL RATED 2A-10BC 5 LB. MULTIPURPOSE, RED ENAMELED STEEL FIRE EXTINGUISHER. AT KITCHEN AREAS: PROVIDE UL RATED CLASS K-2A K WET CHEMICAL 2.5 GALLON, RED ENAMELED STEEL FIRE EXTINGUISHER. PROVIDE MOUNT TO WALL WITH STANDARD MFRS. WALL BRACKET
- SN.33 PATCH BACK (E) CEILING FINISHES WITH (N) TO MATCH WHERE ACCESS TO ABOVE CEILING IS REQUIRED FOR INSTALLATION OF ANY NEW SYSTEMS OR WHERE WALLS WERE REMOVED AND (N) WALL WAS CONSTRUCTED. SEE REFLECTED CEILING PLAN AND MATERIAL & FINISH SCHEDULE FOR FINAL FINISH REQUIREMENTS



4 ELEVATION - DOOR INFILL & NEW DOOR

A2.1.B

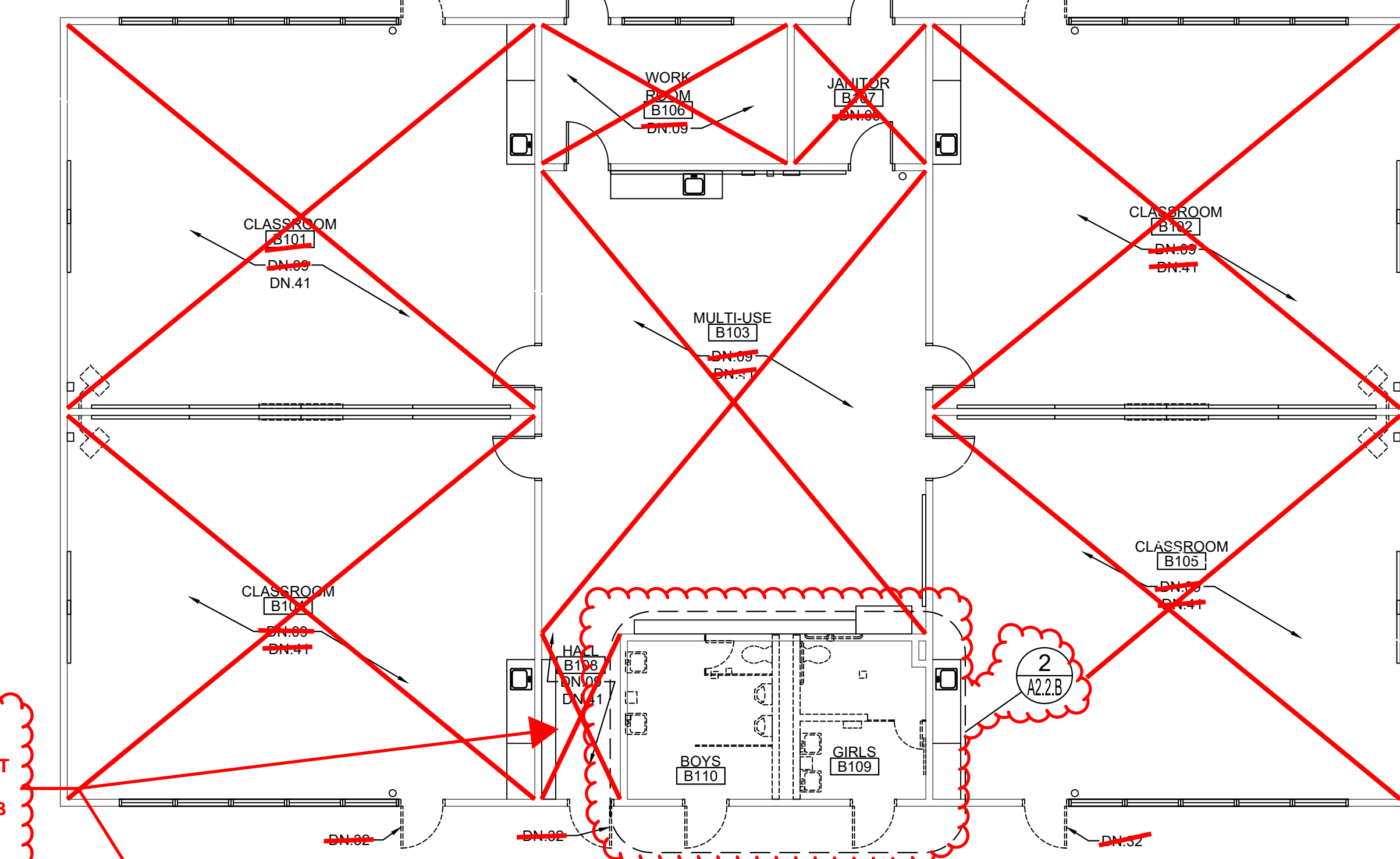
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3 REFLECTED CEILING PLAN - BUILDING B

A2.1.B

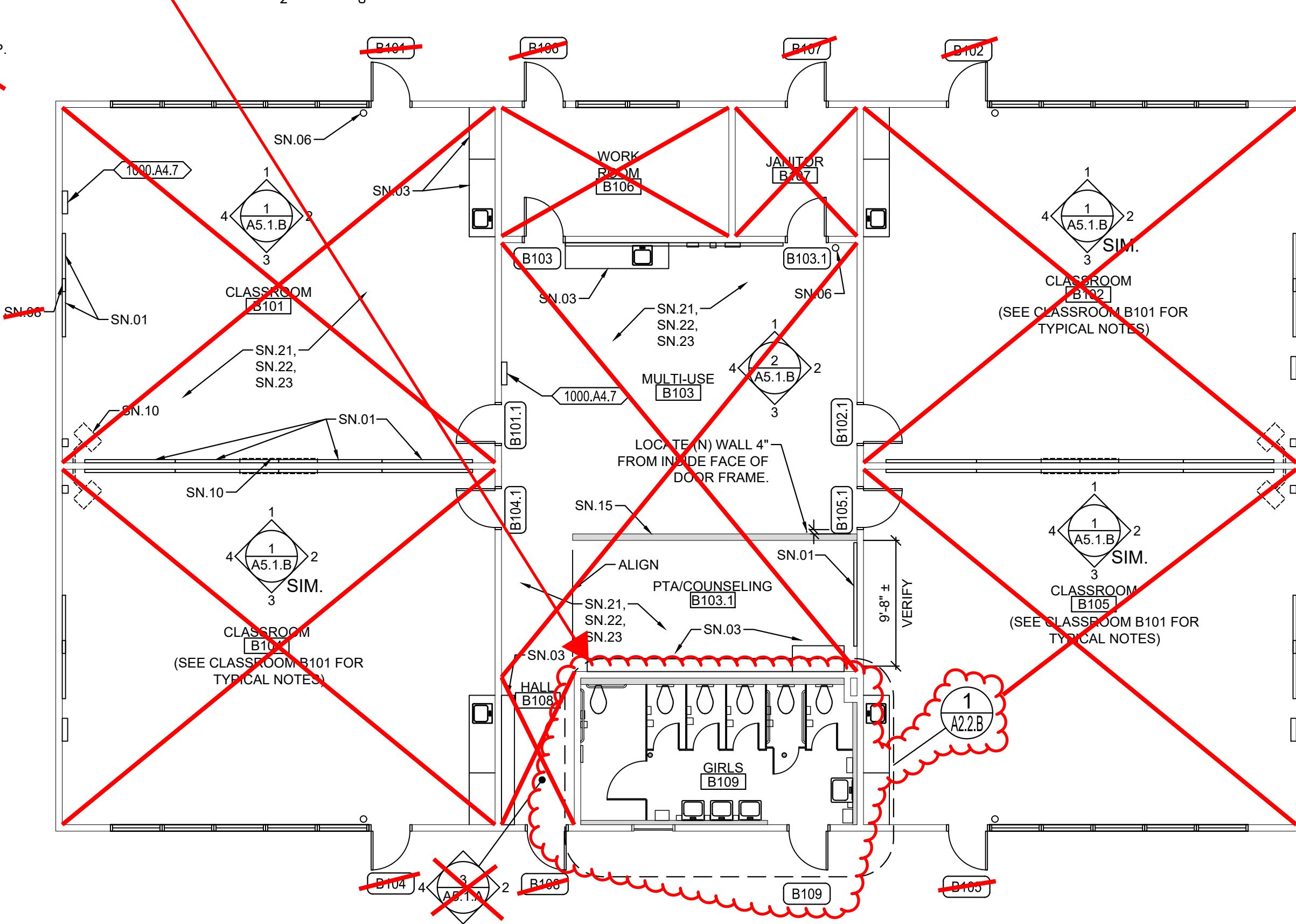
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2 DEMOLITION FLOOR PLAN - BUILDING B

A2.1.B

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



1 FLOOR PLAN - BUILDING B

A2.1.B

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

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+
ASSOCIATES
ARCHITECTS

REGISTERED ARCHITECT
STEPHEN J. HENRY
C-22525
12/31/23
RENEWAL
DATE
STATE OF CALIFORNIA

MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

CONSULTANT

DEMOLITION, FLOOR &
REFLECTED CEILING PLANS
- BUILDING B

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MS		
CHECKED		
JCBS		
SCALE		
AS SHOWN		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

A2.1.B

REPLACE NOTE DN.30 WITH THE FOLLOWING:
"REMOVE ALL (E) CERAMIC WALL TILE AND WALL BASE TILE THROUGHOUT ENTIRE TOILET ROOM (SEE LEAD ABATEMENT SPECIFICATION SECTION 02 83 00). REMOVE ANY MORTAR BED AND LATH AT WALLS TO EXPOSE WOOD STUDS FROM FLOOR TO CEILING (CEILING GYPSUM WALLBOARD TO REMAIN EXCEPT WHERE (N) BLOCKING OR OTHER CONSTRUCTION IS REQUIRED ABOVE CEILING). REMOVE GYPSUM WALLBOARD ABOVE TILE WAJNSCOTING TO UNDERSIDE OF CEILING. ANY (E) INSULATION IN WALLS TO REMAIN. PATCH FACE OF CONCRETE CURB PER RESINOUS WALL AND FLOOR COATING SPECIFICATION PRIOR TO INSTALLATION OF (N) FINISH."

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

- 0300 CONCRETE
0300.A1 CONCRETE SLAB ON GRADE
- 0600 WOOD, PLASTICS, COMPOSITES
0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.D1 PLASTIC LAMINATE CASEWORK
3 EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN
5 REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS
- 0800 OPENINGS
0800.A1 DOOR AND FRAME
0800.A7 ACCESS PANEL
0800.A11 HOLLOW METAL CASED OPENING
- 0900 FINISHES
0900.A6 BASE
0900.A8 FLOORING TRANSITION STRIP
0900.B1 GYPSUM WALLBOARD
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B7 URETHANE RESIN FLOOR FINISH W/ 6" INTEGRAL COVED BASE
0900.B8 RESINOUS WALL COATING INSTALLED O/ (N) OR (E) GYPSUM BOARD
0900.C2 GLUED OR STAPLED ON ACOUSTICAL CEILING TILE

- 1000 SPECIALTIES
1000.A2 MARKER BOARD
1000.A2.1 SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1000.A7 TOILET ACCESSORIES
1 TOILET PARTITION PILASTER
1 PAPER TOWEL DISPENSER
2 TOILET PAPER DISPENSER
3 SANITARY NAPKIN DISPENSER
4 SOAP DISPENSER
5 MIRROR
6 SANITARY NAPKIN DISPOSAL RECEPTACLE
7 GRAB BAR
8 SHELF
11 TOILET SEAT COVER DISPENSER
12 WASTE RECEPTACLE-RECESSED
- 1000.A10 METAL SHELVING

- 1100 EQUIPMENT
1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFO)
1100.A6 DISHWASHER (BELOW COUNTER)
1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

- 1200 FURNISHINGS
1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

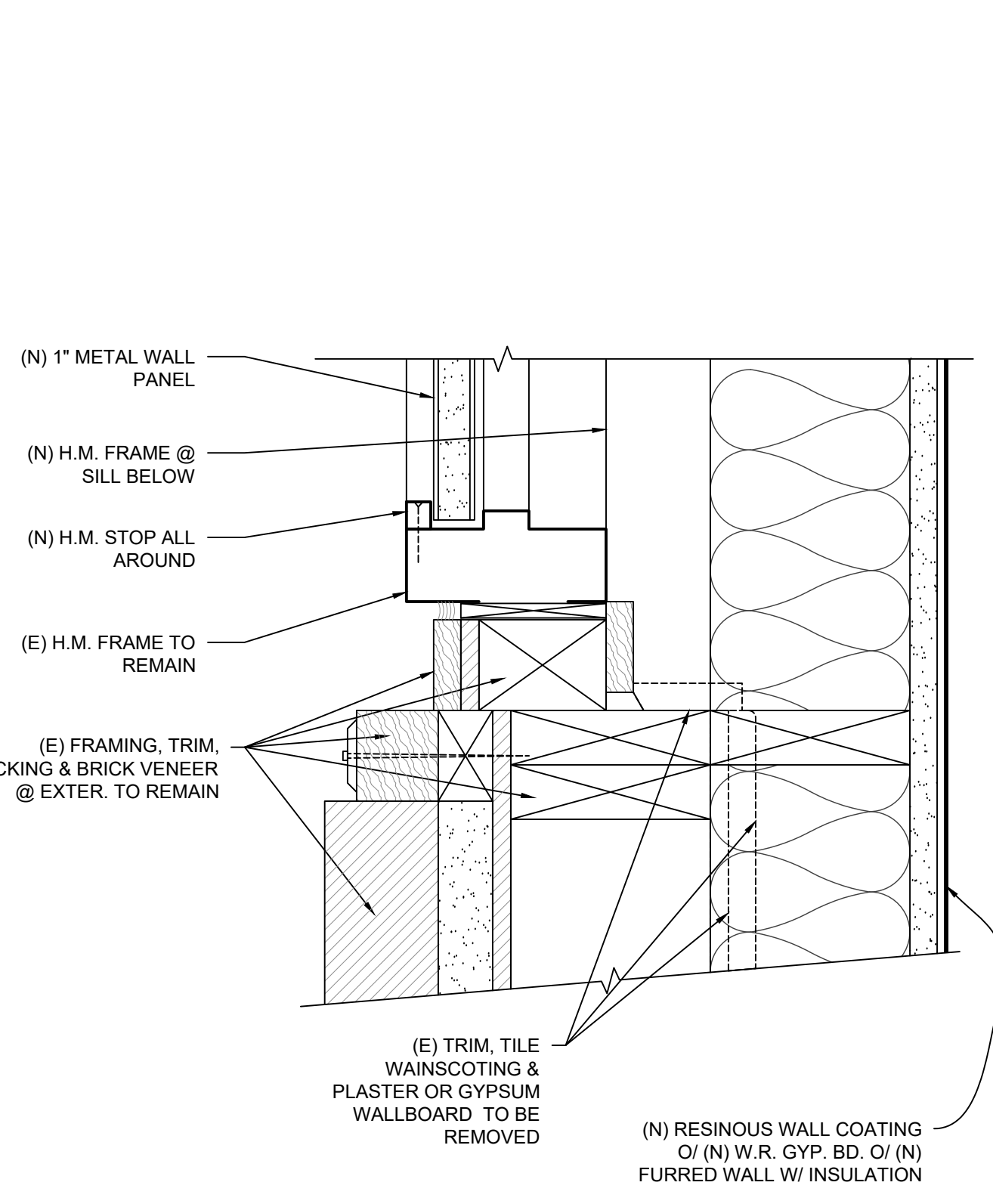
- 2200 PLUMBING
2200.A1 PLUMBING EQUIPMENT
1 SINK
2 LAVATORY
3 TOILET
4 URINAL
5 DRINKING FOUNTAIN
6 MOP SINK
7 WATER HEATER
9 FLOOR DRAIN - SLOPE FLOOR TO DRAIN 1.5% MAX. SLOPE
12 VENT RISER PIPE

- 2300 HVAC
2300.A2 CEILING REGISTER - SEE MECHANICAL
2300.A3 MECHANICAL DUCT
- 2600 ELECTRICAL
2600.A2 LIGHT FIXTURE
2600.A7 FIRE ALARM DEVICE

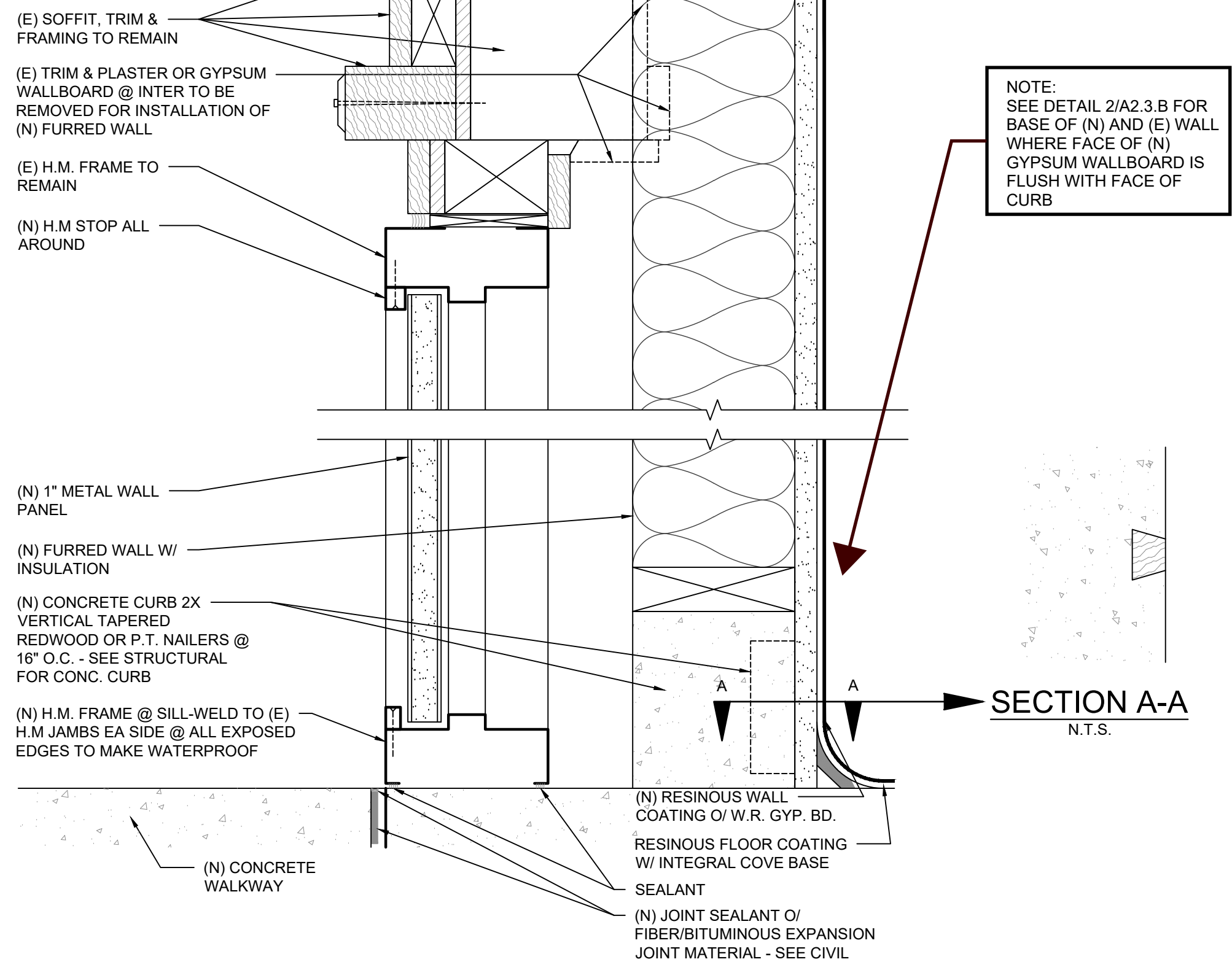
DEMOLITION NOTES

NOTE: NOT ALL NOTES MAY BE USED

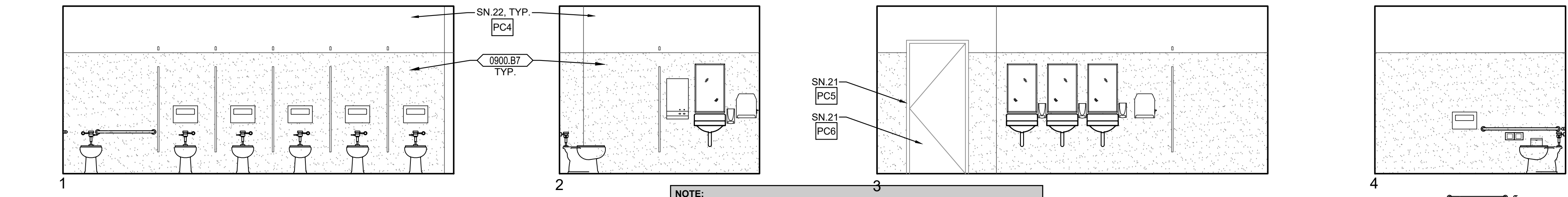
- DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE IMPROVEMENTS
- DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND CONNECTION
- DN.03 REMOVE (E) CASEWORK (RELOCATE IF NOTED TO BE RELOCATED)
- DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS
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- DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION
- DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS
- DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL
- DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM WORK OR PROTECT IN PLACE
- DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES & PREP FOR PAINT
- DN.12 REMOVE (E) MIRROR/MEDICINE CABINET, SOAP, HAND SANITIZER, TOILET PAPER, TOILET SEAT COVER & PAPER TOWEL DISPENSER. STORE AND PROTECT FOR FUTURE REINSTALLATION
- DN.13 REMOVE (E) CONCRETE FLOOR SLAB (SHOWN HATCHED) AS REQUIRED TO INSTALL (N) UNDERFLOOR PLUMBING AND (N) FLOOR SLAB IN ORDER TO PROVIDE SLOPE TO FLOOR DRAIN - SEE STRUCTURAL FOR NEW FLOOR CONSTRUCTION
- DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING FIXTURE MAY NEED TO MOVE LATERALLY AND/OR UP/DOWN TO ALLOW FOR PROPER DISABLED ACCESSIBLE TOILET. CONTRACTOR TO COORDINATE WITH PLUMBING FOR PROPER LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIERS, PLUMBING SUE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER, WASTE LINES, PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES WHERE (N) WALL FINISH IS REQUIRED AT EXPOSED LOCATION DN.15 REMOVE (E) FLOOR FINISHES WHERE OCCUR AND PREP FLOOR AS REQUIRED TO INSTALL NEW FLOOR FINISH
- DN.15.1 REMOVE (E) VINYL WALL COVERING, FRP WAJNSCOTING OR OTHER WALL FINISHES AND PREP WALL AS REQUIRED FOR INSTALLATION OF (N) WALL FINISHES
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- DN.17 REMOVE (E) LAVATORY, CARRIER AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.18 REMOVE (E) TOILET AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.19 REMOVE (E) URINAL AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.20 REMOVE (E) SHELVING & WALL BRACKETS
- DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
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- DN.23 REMOVE (E) LAVATORY. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.25 REMOVE (E) URINAL - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.27 REMOVE (E) WATER HEATER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES
- DN.28 REMOVE (E) SINK, PLUMBING WASTE/VENT & SUPPLY AS NECESSARY DN.29 REMOVE (E) TILE OR FRP WAJNSCOTING. PREP WALL FOR (N) FINISHES
- DN.30 REMOVE (E) FRP WAJNSCOTING AT WALLS WHERE OCCURS & GYPSUM WALLBOARD AT WALLS AND CEILING AS REQUIRED TO INSTALL (N) CONSTRUCTION. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES - SEE MATERIALS AND FINISH SCHEDULE.
- DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES & FRAMING AT (E) DOOR AND JAMBS. PREP OPENING TO RECEIVE (N) INFL. FRAMED WALL AND FINISHES
- DN.32 REMOVE (E) DOOR AND HARDWARE, FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL INFILL AND FINISHES WHERE OCCUR. SEE DOOR SCHEDULE FOR (N) H.M. DOOR & HARDWARE TO BE INSTALLED IN (E) FRAME
- DN.33 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND FINISHES DN.34 REMOVE (E) DOOR AND HARDWARE, WELD IN STEEL PLATES TO CLOSE HINGE AND STORE RECESSES AND VOIDS WITH PLASTIC FILLER. GRIND AND SAND TO MAKE FLUSH. SEE DETAILS FOR METAL WALL PANEL INFILL.
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- DN.36 REMOVE (E) WINDOW GLAZING, WINDOW FRAME, WALL BELOW SILL AND ANY CONCRETE CURB. SEE DETAILS FOR INSTALLATION OF NEW DOOR AND FRAME
- DN.37 REMOVE (E) DOOR, FRAME AND HARDWARE DN.38 REMOVE (E) SURFACE MOUNTED CONDUIT & OUTLET - SEE ELECTRICAL
- DN.39 REMOVE (E) SHELF
- DN.40 REMOVE (E) RADIANT WALL HEATER - SEE MECHANICAL & ELECTRICAL
- DN.41 REMOVE (E) WALL BASE, CARPET AND ANY OTHER FLOOR FINISHES. REMOVE (E) V.A.T. AND ANY OTHER FLOOR FINISHES BELOW THE CARPET. PREP (E) CONCRETE SLAB AS REQUIRED BY (N) FLOOR FINISH MANUFACTURER. SEE ADDITIONAL SPECIFICATIONS FOR HAZARDOUS MATERIALS ABATEMENT
- DN.42 REMOVE (E) WINDOW GLAZING FROM (E) FRAME AND REPLACE WITH (N) METAL WINDOW PANEL. SEE DETAIL
- DN.43 REMOVE (E) WINDOW GLAZING THIS OPENING & REPLACE W/ (N) TEMPERED WINDOW GLAZING. PORCELAIN PANEL UNIT BELOW TO REMAIN.



5 JAMB - H.M. FRAME INFILL
SCALE: 3"=1'-0"



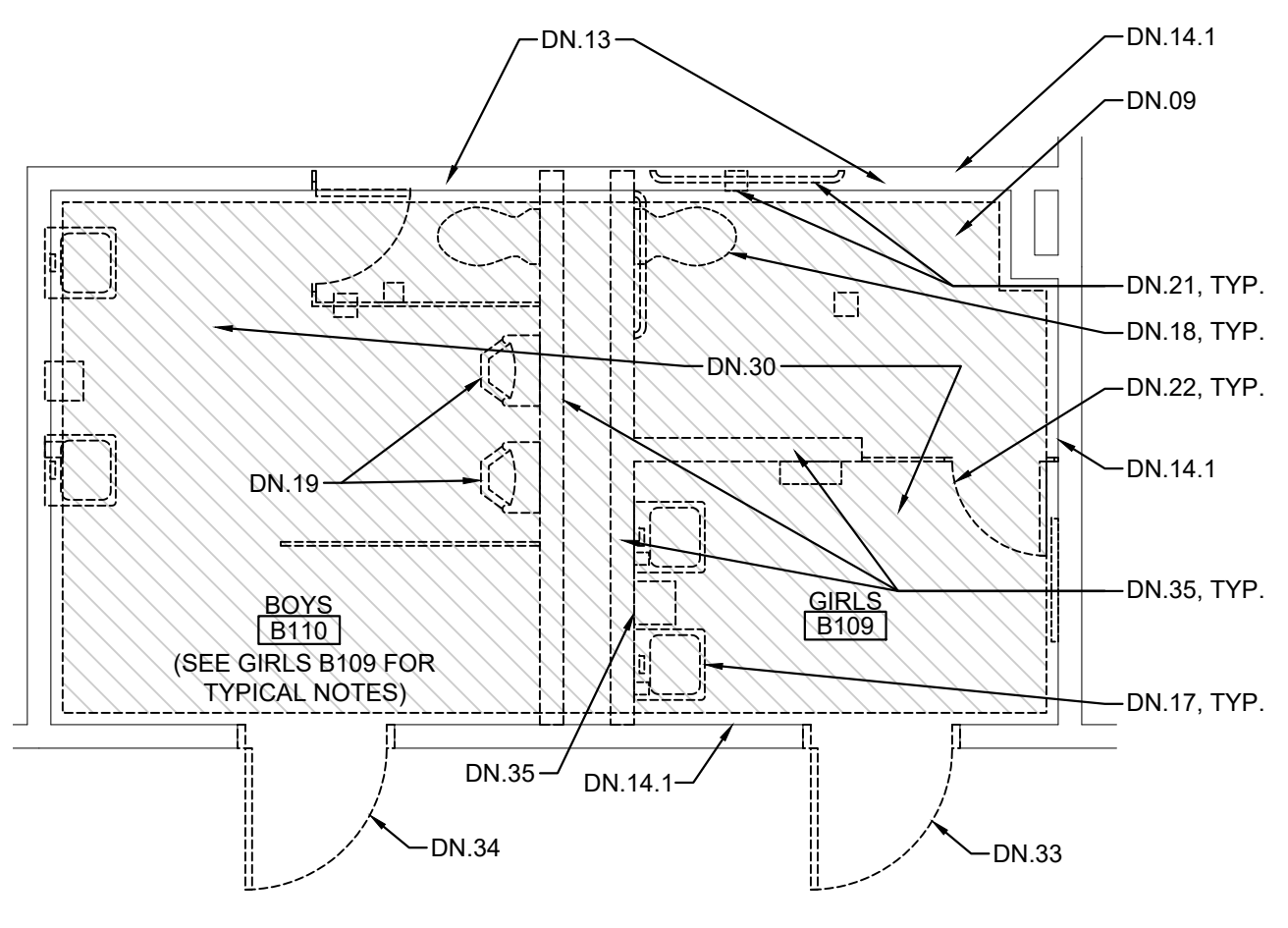
4 HEAD/SILL - H.M. FRAME INFILL
SCALE: 3"=1'-0"



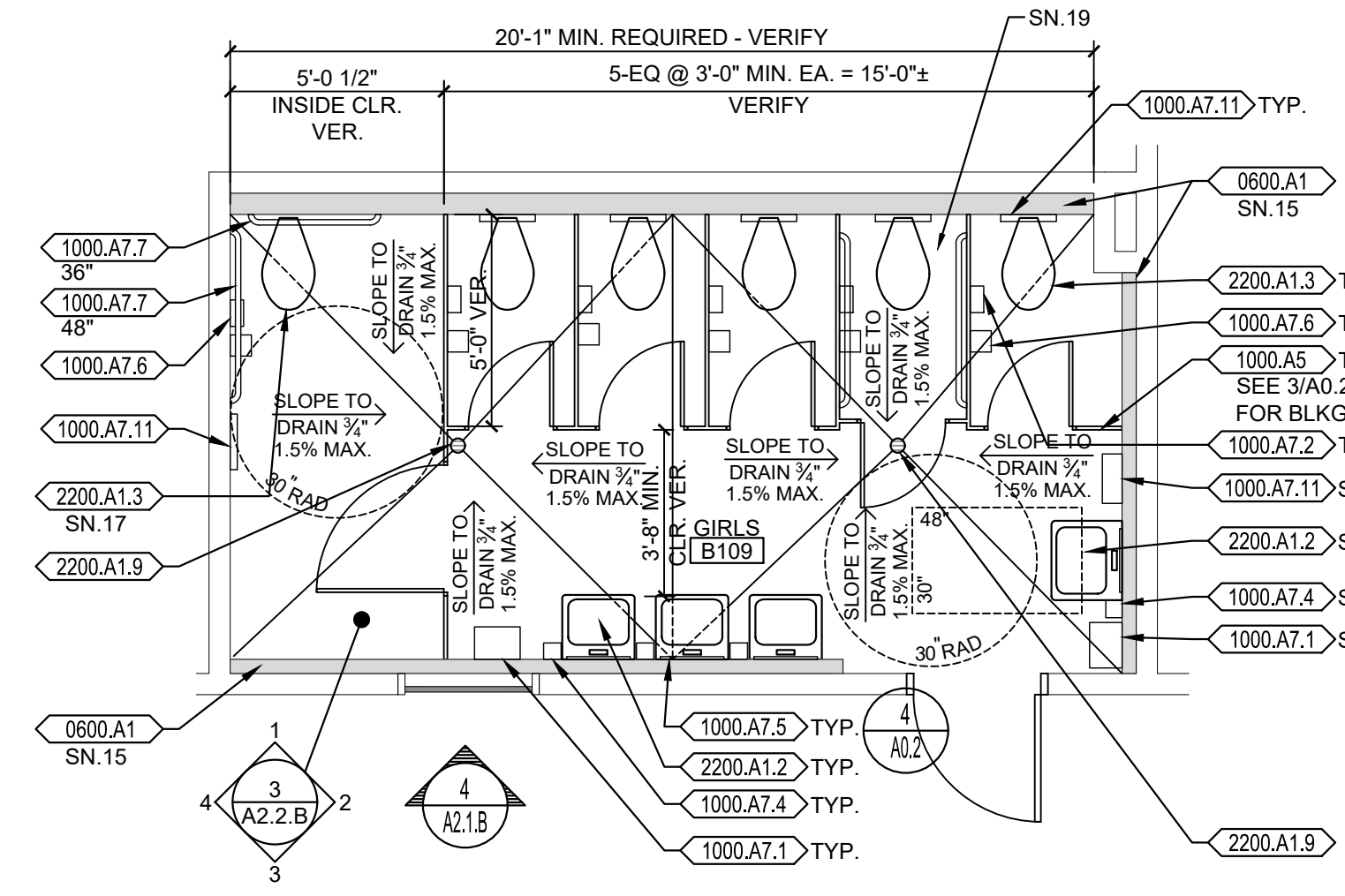
3 INTERIOR ELEVATIONS - GIRLS B109
SCALE: 1/4"=1'-0"

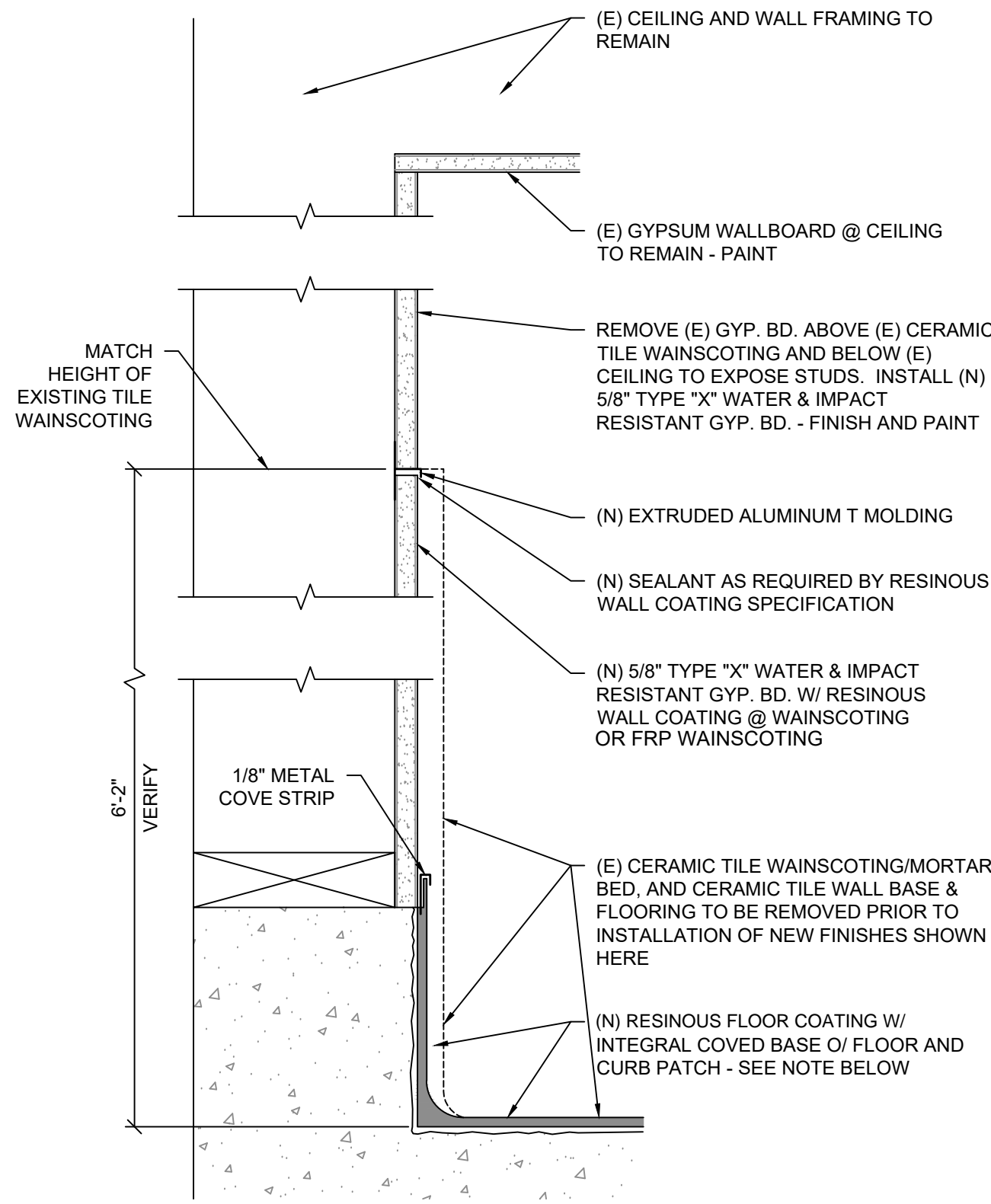
GENERAL NOTES

- THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN PLACE AND MASKED FOR PAINTING. THE DEMOLITION PLANS AND NOTES ARE GENERAL IN NATURE AND REPRESENT THE GENERAL DEMOLITION OR PROTECT-IN-PLACE SCOPE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT IN PLACE ALL EXISTING DRY MARKER BOARDS, TACKBOARDS, CASEWORK, PROJECTION SCREENS, FIRE EXTINGUISHERS, WINDOW COVERINGS & TRACKS, LIGHT FIXTURES, OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. SOME ITEMS WILL BE REQUIRED TO BE REMOVED AND TEMPORARILY STORED AND PROTECTED FOR LATER INSTALLATION.
- NOT ALL OF THE EXISTING INTRUSION ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED, AND SHALL BE MASKED USING PLASTIC SHEETING AND ANY OTHER PROTECTION MEASURES NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
- WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS AND/OR WALLS, FLOORS OR CEILINGS ARE REMOVED TO ALLOW ACCESS TO UTILITIES OR OTHER ITEMS. THE CONTRACTOR IS REQUIRED TO PATCH BACK THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
- NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
- SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & REMOVAL INFORMATION.
- SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.



2 ENLARGED DEMOLITION FLOOR PLAN GIRLS B109 AND BOYS B110
SCALE: 1/4"=1'-0"

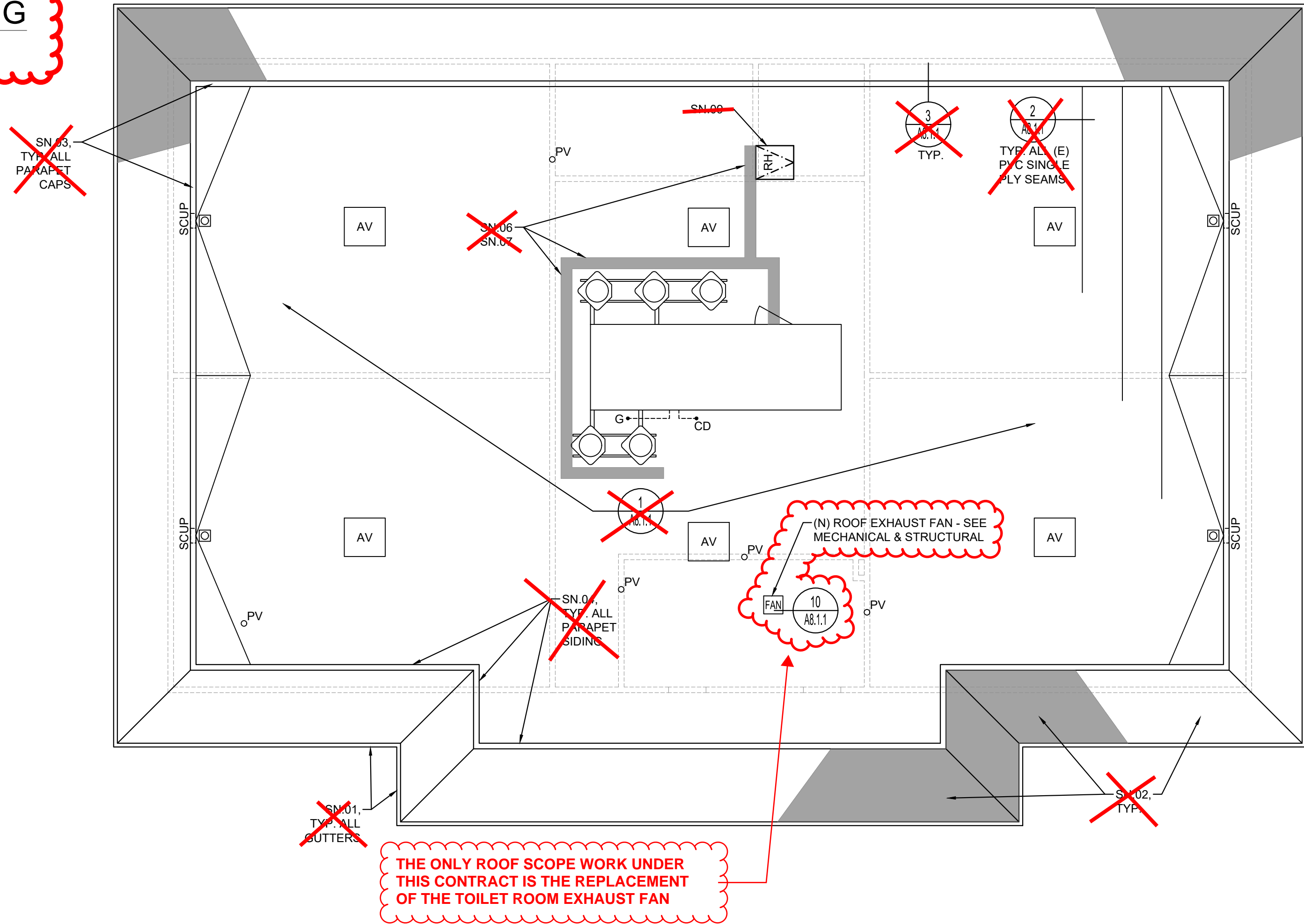




NOTE:
FOLLOWING THE REMOVAL OF THE CERAMIC TILE FROM FACE OF CONCRETE CURB AND CONCRETE FLOOR, THE CONTRACTOR OR RESINOUS FLOORING CONTRACTOR IS RESPONSIBLE FOR PATCHING AND FLOATING ALL REMAINING SURFACES WITH A COMPATIBLE MATERIAL TO MAKE PLUMB LEVEL AND SMOOTH AND READY FOR INSTALLATION OF NEW RESINOUS FLOORING AND INTEGRAL BASE COATING. PATCHED AND FLOATED FLOOR SUBSURFACE MUST SLOPE TO DRAIN.

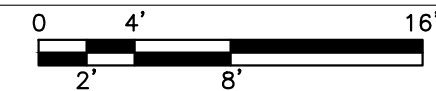
2 RESINOUS WALL & FLOOR COATING

A2.3.B SCALE: 3\"/>



1 ROOF PLAN - BUILDING B

A2.3.B SCALE: 1/8\"/>



SHEET NOTES (ROOF)

(NOTE: NOT ALL NOTES MAY BE USED)

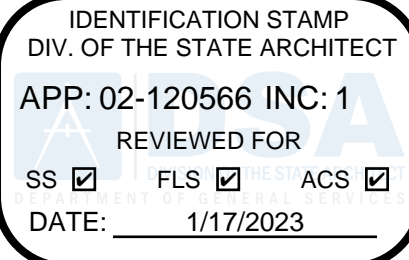
- SN.01 (E) SHEET METAL GUTTERS TO REMAIN - SEE ROOF RESTORATION SCOPE DESCRIPTION FOR NEW WORK AT GUTTERS
- SN.02 (E) FIBERGLASS SHINGLES TO REMAIN AT SLOPED MANSARD ROOF
- SN.03 (E) SHEET METAL PARAPET CAP TO REMAIN - SEE ROOF RESTORATION SCOPE DESCRIPTION FOR NEW WORK AT PARAPET CAP
- SN.04 (E) METAL SIDING AT BACK SIDE OF PARAPET WALL TO BE DETACHED W/ (N) FASTENERS AND COATED W/ (N) PAINT - SEE ROOF RESTORATION SCOPE DESCRIPTION AND REFERENCED DETAIL FOR NEW WORK AT PARAPET WALL
- SN.05 (E) UTILITY LINE BLOCKING TO BE REPLACED SN. (N) BLOCKING SET ON NEW TRAFFIC PAD - SEE ROOF RESTORATION SCOPE DESCRIPTION FOR INFORMATION REGARDING UTILITY LINE BLOCKING AND REFERENCED DETAILS
- SN.06 (E) TRAFFIC PADS WHERE OCCUPY COAT WITH (N) LIQUID URETHANE COATING. AFTER CURING, PROVIDE SECOND, GREY COLORED COATING OF (N) LIQUID URETHANE COATING
- SN.07 (N) LIQUID URETHANE TRAFFIC PAD PER SPECIFICATIONS INSTALLED FROM ROOF HATCH TO AROUND (N) MECHANICAL EQUIPMENT
- SN.08 (N) 36\"/>

ROOF RESTORATION SCOPE DESCRIPTION:

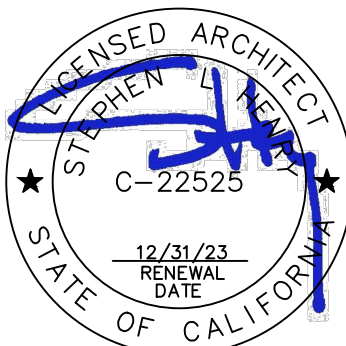
- EXISTING SINGLE PLY ROOFING MEMBRANE OVER BUILT-UP ROOFING MEMBRANE TO REMAIN IN PLACE AND PREPARED OR MODIFIED AS DESCRIBED BELOW AND SHOWN IN ROOF DETAILS. NOTE: THE EXISTING ROOF (SINGLE PLY MEMBRANE OVER HOT-MOP BUILT-UP ROOFING OVER PLYWOOD DECK) IS CONSIDERED A CLASS C ROOF PER TABLE 1505.4. CLASS C ROOFS ARE ALLOWED FOR TYPE VII CONSTRUCTION PER CBC TABLE 1505.1
- ALL EXISTING ROOF GUTTERS ARE TO REMAIN AND TO BE CLEANED AND THE LAPS SEALED WITH URETHANE SEALANT.
- ALL EXISTING PENETRATIONS AND SINGLE PLY MEMBRANE LAPS IN THE EXISTING ROOF SYSTEM ARE TO BE CLEANED AND FLASHED WITH EMBEDDED POLYESTER AND FLUID APPLIED URETHANE RESTORATION SYSTEM AND PER THE ATTACHED ROOF DETAILS.
- AFTER CLEANING AND FLASHING PENETRATIONS AND SINGLE PLY MEMBRANE LAPS, THE ENTIRE EXISTING FIELD OF ROOF SHALL BE COATED WITH FLUID APPLIED URETHANE RESTORATION SYSTEM IN QUANTITY AS SPECIFIED. (SPECIFIED QUANTITY EQUALS 5-GALLONS AT 9.6 LBS PER GALLON OR 23.8 GALLONS PER SQUARE OR 0.288 PSF). FLUID APPLIED RESTORATION SYSTEM TO BE INSTALLED AT COVERAGE RATE THAT MATCHES AND PROVIDES THE REQUIRED SPECIFIED WARRANTY.
- ALL WOOD AND OTHER UTILITY LINE BLOCKING TO BE REPLACED WITH NEW UTILITY LINE BLOCKING PER SPECIFICATION.
- ALL SCREW FASTENERS AT THE EXISTING METAL SIDING AT BACK OF PARAPET SHALL BE REPLACED WITH NEW RUBBER GROMMET SCREW FASTENERS. FOLLOWING NEW FASTENER INSTALLATION, THE EXISTING METAL SIDING AT THE BACK OF PARAPET TO BE PREPD. AND COATED WITH A RUST INHIBITIVE PRIMER AND RUST INHIBITIVE FINISH COAT OF PAINT.
- THE EXISTING METAL PARAPET CAP TO BE REPAIRED, LAPS RESEAL, AND FASTENERS REPLACED. THE EXISTING METAL PARAPET CAP TO BE PREPD. AND COATED WITH A RUST INHIBITIVE PRIMER AND RUST INHIBITIVE FINISH COAT OF PAINT.
- SEE SHEET A8.1.1 FOR TYPICAL FLUID APPLIED URETHANE RESTORATION SYSTEM DETAILS.

ROOF LEGEND

- AV (E) ATTIC VENT & CURB - SEE DETAIL 12/A8.1.1
- RH V (E) OR (N) ROOF HATCH O/ CURB - SEE DETAIL 13/A8.1.1
- FAN (E) OR (N) FAN - SEE DETAIL 12/A8.1.1 FOR (E) AND DETAIL 10/A8.1.1 FOR (N) - SEE ALSO MECHANICAL & STRUCTURAL
- GNV (E) GOOSE NECK VENT - SEE DETAIL 12/A8.1.1
- EVAP (E) EVAPORATIVE COOLER O/ CURB - SEE DETAIL 13/A8.1.1
- (E) PACKAGE HVAC UNIT ON SLEEPER CURBS - SEE DETAIL 13/A8.1.1
- F (E) FLUE - SEE DETAIL 12/A8.1.1
- DS & SP (E) DOWNSPOUT & SPLASH PAN
- SCUP (E) THROUGH-WALL SCUPPER - SEE DETAIL 6/A8.1.1
- RD (E) ROOF DRAIN - SEE DETAIL 5/A8.1.1
- EL (E) ELECTRICAL CONDUIT PENETRATIONS - SEE DETAIL 4/A8.1.1
- G (E) GAS PIPE PENETRATIONS - SEE DETAIL 4/A8.1.1
- PV (E) PLUMBING VENT - SEE DETAIL 4/A8.1.1
- SJ (E) SEISMIC JOINT - SEE DETAIL 2/A8.1.1
- RH V (E) ROOF HATCH W/ GRAB RAIL - SEE DETAILS 4 & 13/A8.1.1
- (E) UTILITY LINE ON (N) BLOCKING - SEE DETAIL 8/A8.1.1
- (E) CONDENSER UNIT SET ON EXPOSED P.T. BLOCKING. TEMPORARILY REMOVE CONDENSER UNIT AND INSTALL (N) PVC CLAD METAL CAN'T ALL AROUND AND (N) GSM COVERS - SEE 9/A8.1.1 FOR SIMILAR DETAIL
- SL (E) SKY LIGHT - SEE DETAIL 13/A8.1.1



730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

ROOF PLAN
- BUILDING B

CONSULTANT

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MS		
CHECKED		
JCBS		
SCALE		
AS SHOWN		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

A2.3.B

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0300 CONCRETE

0300.A1 CONCRETE SLAB ON GRADE

0600 WOOD, PLASTICS, COMPOSITES

0600.A1 WOOD FRAMING - SEE STRUCTURAL
0600.D1 PLASTIC LAMINATE CASEWORK
.3 EPOXY RESIN COUNTERTOP WITH
6" BACKSPLASH WHERE SHOWN
.5 REMOVABLE PLASTIC LAMINATE CLOSURE
PANEL WITH SCRIBED CLOSURE TOP AT
PENETRATIONS

0800 OPENINGS
0800.A1 DOOR AND FRAME
0800.A7 ACCESS PANEL
0800.A11 HOLLOW METAL CASED OPENING

0900 FINISHES

0900.A6 BASE
0900.A8 FLOORING TRANSITION STRIP
0900.B1 GYPSUM WALLBOARD
0900.B5 FIBERGLASS REINFORCED PLASTIC PANELS (FRP)
0900.B7 URETHANE RESIN FLOOR FINISH W/ 6" INTEGRAL COVED
BASE
0900.B8 RESINOUS WALL COATING INSTALLED O/ (N) OR (E)

0900.C2 GYPSUM BOARD
GLUED OR STAPLED-ON ACOUSTICAL CEILING TILE

1000 SPECIALTIES

1000.A2 MARKER BOARD
1. SLIDING MARKER BOARD SYSTEM
1000.A3 TACK BOARD
1000.A4 SIGNS
7 ASSISTIVE LISTENING SYSTEM SIGN
1000.A5 TOILET PARTITION
1 TOILET PARTITION PILASTER
1000.A7 TOILET ACCESSORIES
1. PAPER TOWEL DISPENSER
2. TOILET PAPER DISPENSER
3. SANITARY NAPKIN DISPENSER
4. SOAP DISPENSER
5. MIRROR
6. SANITARY NAPKIN DISPOSAL RECEPTACLE
7. GRAB BAR
8. SHELF
11. TOILET SEAT COVER DISPENSER
12. WASTE RECEPTACLE-RECESSED
1000.A10 METAL SHELVING

1100 EQUIPMENT

1100.A4 INTERACTIVE DISPLAY SCREEN (OFCI)
1100.A5 WORK TABLES & CHAIRS (OFOI)
1100.A6 DISHWASHER (BELOW COUNTER)

1100.A7 REFRIGERATOR W/ ICE MAKER (OFCI)
1100.A8 CHEMICAL STORAGE CABINET (OFCI)

1200 FURNISHINGS

1200.A3 CASEWORK
1200.A4 WINDOW ROLLER SHADES

2200 PLUMBING

2200.A1 PLUMBING EQUIPMENT
1. SINK
2. LAVATORY
3. TOILET
4. URINAL
5. DRINKING FOUNTAIN
6. MOP SINK
7. WATER HEATER
9. FLOOR DRAIN - SLOPE FLOOR
TO DRAIN 1.5% MAX. SLOPE
12. VENT RISER PIPE

2300 HVAC

2300.A2 CEILING REGISTER - SEE MECHANICAL
2300.A3 MECHANICAL DUCT

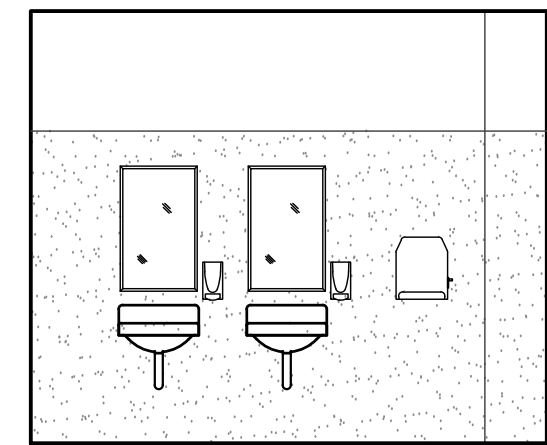
2600 ELECTRICAL

2600.A2 LIGHT FIXTURE
2600.A7 FIRE ALARM DEVICE

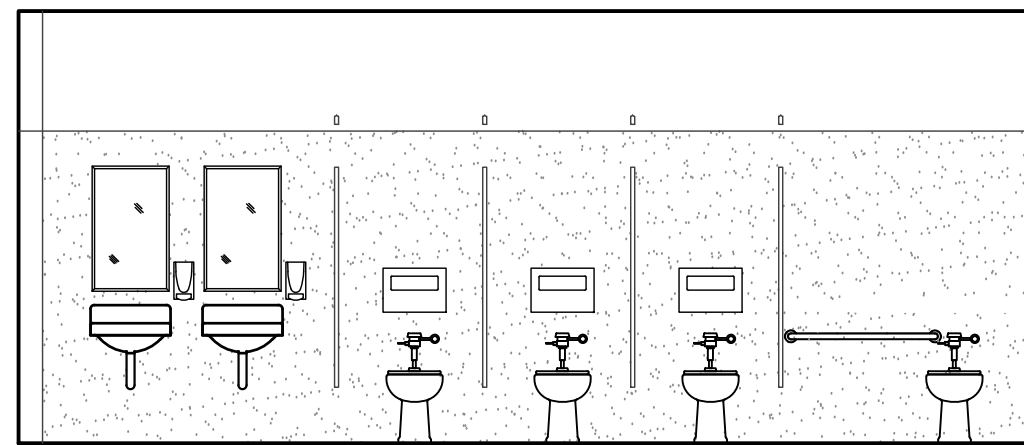
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- SEE SHEET A0.1 & A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE DETAILS & MOUNTING INFORMATION.
- SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.

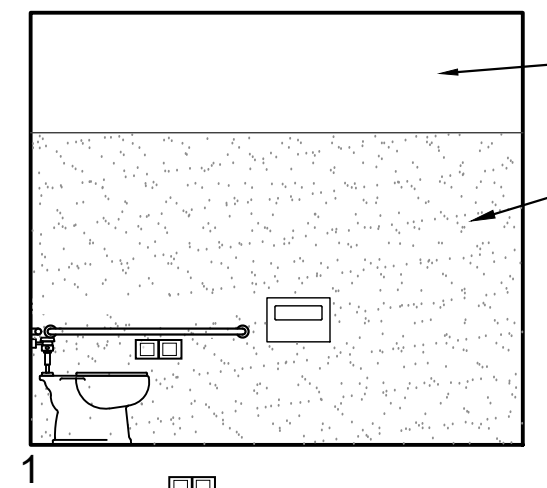
REPLACE NOTE DN.30 WITH THE FOLLOWING:
"REMOVE ALL (E) CERAMIC WALL TILE AND WALL
BASE TILE THROUGHOUT ENTIRE TOILET ROOM (SEE
LEAD ABATEMENT SPECIFICATION SECTION 02 83
00). REMOVE ANY MORTAR BED AND LATH AT WALLS
TO EXPOSE WOOD STUDS FROM FLOOR TO CEILING
(CEILING GYPSUM WALLBOARD TO REMAIN EXCEPT
WHERE (N) BLOCKING OR OTHER CONSTRUCTION IS
REQUIRED ABOVE CEILING). REMOVE GYPSUM
WALLBOARD ABOVE TILE WAJNSCOTING TO
UNDERSIDE OF CEILING. ANY (E) INSULATION IN
WALLS TO REMAIN. PATCH FACE OF CONCRETE
CURB PER RESINOUS WALL AND FLOOR COATING
SPECIFICATION PRIOR TO INSTALLATION OF (N)
FINISH."



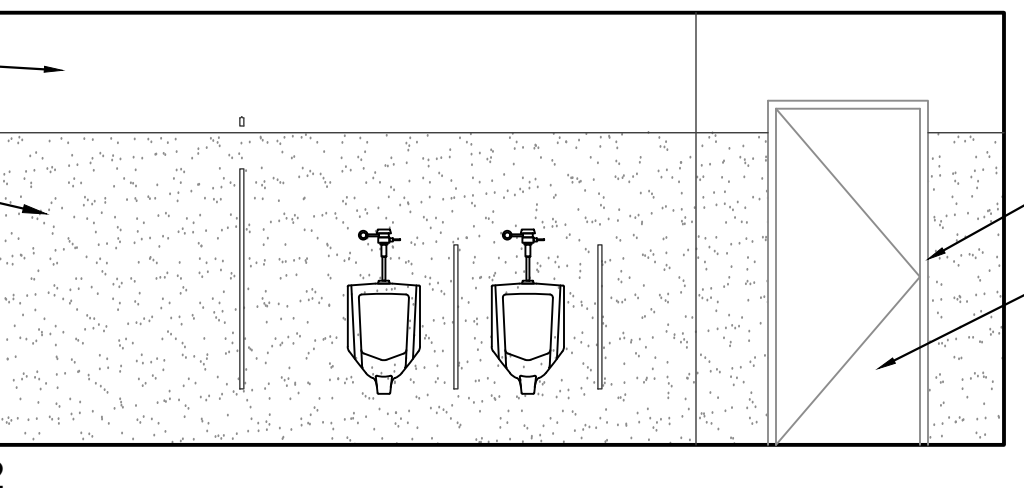
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4



1



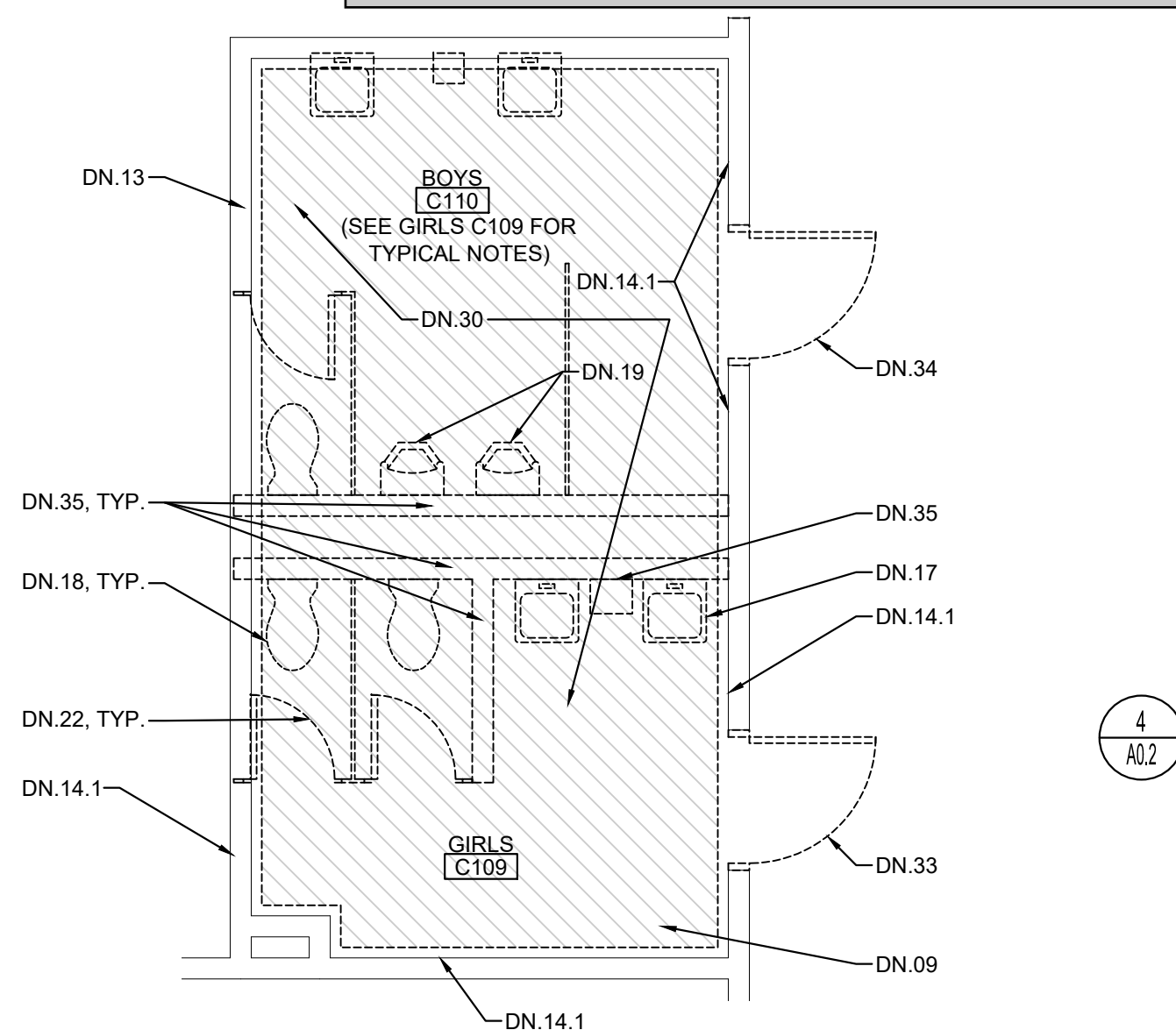
2

4 INTERIOR ELEVATIONS - BOYS C109

A2.2.C

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

NOTE:
SEE 4/A0.1 FOR BLOCKING DETAILS. SEE ALSO STRUCTURAL DRAWINGS FOR
INFORMATION AND REQUIREMENTS FOR REPLACEMENT OF INTERIOR SHEAR
PLYWOOD WHERE WALLS ARE OPENED FOR INSTALLATION OF BLOCKING.

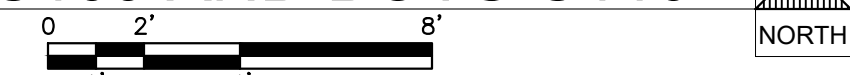


ENLARGED DEMOLITION FLOOR PLAN

3 GIRLS C109 AND BOYS C110

A2.2.C

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

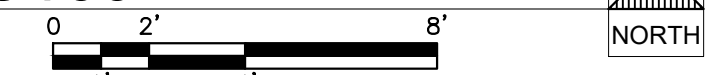


LOCATE PLUMBING FIXTURES FOR THIS RESTROOM AS REQUIRED FOR STUDENT AGES 9-12. SEE "MOUNTING HEIGHTS /
DIMENSIONS" TABLE AND DETAILS FOR FIXTURE AND ACCESSORY MOUNTING ON SHEET A0.1. SEE ALSO "ACCESSIBLE
TOILET STALL" DETAILS FOR REQUIRED TOILET STALL CLEARANCES ON SHEET A0.1.

2 BOYS C109

A2.2.C

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



1 REFLECTED CEILING PLAN - BUILDING C

A2.2.C

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



DEMOLITION NOTES

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 - SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.
- DN.01 THERE ARE NO ITEMS BEING REMOVED IN THIS ROOM EXCEPT AS MAY BE SHOWN HERE OR OTHER
PLAN SHEETS. SEE ARCHITECTURAL FLOOR PLAN AND INTERIOR ELEVATIONS FOR WORK SCOPE
IMPROVEMENTS
- DN.02 REMOVE (E) DOOR, SIDELIGHT PANEL, TRANSOM GLAZING AND ENTIRE FRAME. PROTECT IN PLACE
AND/OR SALVAGE ANY INTRUSION ALARM COMPONENTS FOR FUTURE INSTALLATION AND
CONNECTION
- DN.03 REMOVE (E) CASEWORK (RELOCATE IF NOTED TO BE RELOCATED)
- DN.04 REMOVE (E) DRY MARKER BOARDS & TACKBOARDS
- DN.05 REMOVE (E) PROJECTION SCREEN AND/OR MOUNTING BOARD
- DN.06 REMOVE (E) PROJECTOR AND DELIVER TO DISTRICT
- DN.07 REMOVE (E) FIRE EXTINGUISHER & HANGER. STORE AND PROTECT FOR FUTURE REINSTALLATION
- DN.08 REMOVE ALL (E) WINDOW COVERINGS & TRACKS
- DN.09 REMOVE (E) LIGHT FIXTURES AT CEILING THROUGHOUT - SEE ELECTRICAL
- DN.10 REMOVE (E) DATA NETWORKING/DISTRIBUTION EQUIPMENT IF NECESSARY TO NEW PERFORM
WORK OR PROTECT IN PLACE
- DN.11 REMOVE (E) COAT HOOK BOARD OR PROJECTION SCREEN MOUNTING BOARD. PATCH HOLES &
PREP FOR PAINT
- DN.12 REMOVE (E) MIRROR/MEDICINE CABINET, SOAP, HAND SANITIZER, TOILET PAPER, TOILET SEAT
COVER & PAPER TOWEL DISPENSER. STORE AND PROTECT FOR FUTURE REINSTALLATION
- DN.13 REMOVE (E) CONCRETE FLOOR SLAB (SHOWN HATCHED) AS REQUIRED TO INSTALL (N)
UNDERFLOOR PLUMBING AND (N) FLOOR SLAB IN ORDER TO PROVIDE SLOPE TO FLOOR DRAIN -
SEE STRUCTURAL FOR (N) SLAB CONSTRUCTION
- DN.14 DIMENSIONS PROVIDED ARE BASED ON (E) DIMENSIONS TAKEN IN THE FIELD. THIS PLUMBING
FIXTURE MAY NEED TO MOVE LATERALLY AND/OR UP/DOWN TO ALLOW FOR PROPER DISABLED
ACCESSIBLE TOILET. SEE SHEET A0.1. CONTRACTOR TO COORDINATE EXACT FINAL
LOCATION AND REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING
FIXTURE LINES. PLUMBING SUPPLY LINES OR VENT PIPES ETC. PATCH BACK
FINISHES TO MATCH SURROUNDING FINISHES
- DN.14.1 REMOVE (E) FINISHES AS REQUIRED TO MODIFY (E) OR INSTALL (N) PLUMBING FIXTURE CARRIER,
WASTE LINES OR VENT PIPES ETC. PATCH BACK FINISHES TO MATCH
SURROUNDING FINISHES WHERE (N) WALL FINISH IS REQUIRED AT EXPOSED
LOCATION OR UNDERFLOOR PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING
FINISHES
- DN.15.1 REMOVE (E) VINYL WALL COVERING, FRP WAJNSCOTING OR OTHER WALL FINISHES AND PREP WALL
AS REQUIRED FOR INSTALLATION OF (N) WALL FINISHES.
- DN.16 REMOVE (E) TOILET PARTITION, DOOR AND MOUNTING HARDWARE. STORE AND PROTECT FOR
FUTURE REINSTALLATION
- DN.17 REMOVE (E) LAVATORY, CARRIER AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.18 REMOVE (E) TOILET AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.19 REMOVE (E) URINAL AND PLUMBING WASTE/VENT & SUPPLY AS NECESSARY
- DN.20 REMOVE (E) SHELVING & WALL BRACKETS
- DN.21 REMOVE (E) TOILET ROOM ACCESSORIES. PATCH BACK FINISHES TO MATCH SURROUNDING
FINISHES
- DN.22 REMOVE (E) TOILET PARTITIONS AND MOUNTING HARDWARE. PATCH BACK FINISHES TO MATCH
SURROUNDING FINISHES
- DN.23 REMOVE (E) LAVATORY. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH - SEE
PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
- DN.24 REMOVE (E) WALL MOUNT TOILET. CUT BACK CARRIER BOLTS AS REQUIRED FOR (N) WALL FINISH -
SEE PLUMBING FOR CAPPING OF UTILITIES. PATCH BACK FINISHES TO MATCH SURROUNDING
FINISHES
- DN.25 REMOVE (E) URINAL - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
- DN.26 REMOVE (E) MOP SINK - SEE PLUMBING. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
- DN.27 REMOVE (E) WATER HEATER. PATCH BACK FINISHES TO MATCH SURROUNDING FINISHES.
- DN.28 REMOVE (E) SINK, PLUMBING WASTE/VENT & SUPPLY AS NECESSARY. DN.29 REMOVE (E) TILE OR FRP
WAJNSCOTING. PREP WALL FOR (N) FINISHES
- DN.30 REMOVE (E) FRP WAJNSCOTING AT WALLS WHERE OCCURS & GYPSUM WALLBOARD AT WALLS AND
CEILING AS REQUIRED TO EXPOSE WOOD STUDS FROM FLOOR TO CEILING. REMOVE GYPSUM
WALLBOARD ABOVE TILE WAJNSCOTING TO UNDERSIDE OF CEILING. ANY (E) INSULATION IN
WALLS TO REMAIN. PATCH FACE OF CONCRETE CURB PER RESINOUS WALL AND FLOOR COATING
SPECIFICATION PRIOR TO INSTALLATION OF (N) FINISH.
- DN.31 REMOVE (E) OPERABLE PARTITION, DOOR AND ASSOCIATED HARDWARE, TRIM, FINISHES &
FRAMING AT HINGE AND JAMB. PREP OPENING TO RECEIVE (N) INFILL FRAMED WALL AND FINISHES.
- DN.32 REMOVE (E) DOOR AND HARDWARE. FRAME TO REMAIN. SEE DETAILS FOR METAL WALL PANEL
INFILL AND FINISHES WHERE OCCUR. SEE DOOR SCHEDULE FOR (N) H.M. DOOR & HARDWARE TO BE
INSTALLED IN (N) FRAME
- DN.33 REMOVE (E) DOOR, FRAME AND ANY TRIM. PREP OPENING FOR (N) DOOR, FRAME AND
FINISHES. DN.34 REMOVE (E) DOOR AND HARDWARE. WELD IN STEEL PLATES TO CLOSE HINGE AND
STRIKE RECESSES AND VOIDS AND FINISH WITH PLASTIC FILLER. GRIND AND SAND TO MAKE FLUSH.
SEE DETAILS FOR METAL WALL PANEL INFILL.
- DN.35 REMOVE (E) WALL PARTITION. CONCRETE CURBS(WHERE OCCUR) AND PATCH BACK FLOOR, WALL &
CEILING FINISHES AS REQUIRED
- DN.36 REMOVE (E) WINDOW GLAZING. WINDOW FRAME, WALL BELOW SILL AND ANY CONCRETE CURB. SEE
DETAILS FOR INSTALLATION OF NEW DOOR AND FRAME
- DN.37 REMOVE (E) DOOR, FRAME AND HARDWARE. DN.38 REMOVE (E) SURFACE MOUNTED CONDUIT &
OUTLET - SEE ELECTRICAL
- DN.39 REMOVE (E) SHELF
- DN.40 REMOVE (E) RADIANT WALL HEATER - SEE MECHANICAL & ELECTRICAL
- DN.41 REMOVE (E) WALL BASE, CARPET AND ANY OTHER FLOOR FINISHES. REMOVE (E) V.A.T. AND ANY
OTHER FLOOR FINISHES BELOW THE CARPET. PREP (E) CONCRETE SLAB AS REQUIRED BY (N)
FLOOR FINISH MANUFACTURER. SEE ADDITIONAL SPECIFICATIONS FOR HAZARDOUS MATERIALS
ABATEMENT
- DN.42 REMOVE (E) WINDOW GLAZING FROM (E) FRAME AND REPLACE WITH (N) METAL WINDOW PANEL.
SEE DETAIL
- DN.43 REMOVE (E) WINDOW GLAZING THIS OPENING & REPLACE W/ (N) TEMPERED WINDOW GLAZING.
PORCELAIN PANEL UNIT BELOW TO REMAIN.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

- (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
- (E) DATA NETWORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
- (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
- (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
- (E) FOLDING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT
BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
- (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE
EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH
- (E) FLOOR FINISHES TO REMAIN TO BE PROTECTED DURING CONSTRUCTION OPERATIONS. REMOVE OR
PATCH BACK (E) FLOOR FINISHES AS REQUIRED FOR (N) CONSTRUCTION. PULL UP, FOLD BACK & PROTECT
(E) FLOOR FINISHES THAT ARE TO REMAIN AND RE-INSTALL FOLLOWING COMPLETION OF (N)
CONSTRUCTION
- (E) CLOCK/SPEAKER OR SPEAKER TO REMAIN IN PLACE AND PROTECTED
- (E) DATA OUTLETS, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS,
ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND
PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED
- (E) PROJECTOR, PROJECTION SCREEN, TV & TV MOUNT TO REMAIN IN PLACE AND PROTECTED. PAINT
ANY EXPOSED MOUNTING BOARDS TO MATCH WALL FINISH.
- (E) SHELF, COAT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP
AND PAINT SHELF OR MOUNTING BOARD TO MATCH WALLS
- (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND
PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
- (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR
INSTALLATION OF (N) REGISTERS. PAINT
- RELOCATE (E) CASEWORK CUBBIE UNIT TO THIS LOCATION
- FRAME NEW WALL OR FURRED WALL AND PROVIDE 6" TALL CONCRETE CURB AT TOILET ROOM AND WET
LOCATIONS PER STRUCTURAL. FINISH WALL WITH GYPSUM WALLBOARD AND ANY SPECIALTY COATINGS
PER FINISH SCHEDULE AND INTERIOR ELEVATIONS
- NO NEW WORK THIS SPACE
- DISABLED ACCESSIBLE
- (E) TOILET ACCESSORIES TO REMAIN IN PLACE AND PROTECTED. MASK FOR PAINTING OF WALL.
- THIS STALL TO BE AN AMBULATORY STALL. SEE ACCESSIBLE TOILET STALL FOR AMBULATORY STALL
CLEARANCES, REQUIREMENTS AND DIMENSIONS
- (E) EXPOSED WIRING, CABLEING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY
WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS
NECESSARY FOR PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP'D AND PAINTED ALONG WITH NEW WALL FINISH.
- PREP AND PAINT EXISTING WINDOW FRAMES, DOOR FRAMES AND DOOR
- PREP AND PAINT (E) OR (N) WALL, WALL TRIM AND CEILING SURFACES (WHERE INDICATED ON
REFLECTED CEILING PLAN). PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO
PAINTING
- PREP AND PAINT EXISTING CEILING AND EXPOSED BEAMS (WHERE OCCUR)
- (E) TOILET ACCESSORY TO BE REINSTALLED AT (N) LOCATION FOLLOWING INSTALLATION OF NEW WALL
FINISHES
- (E) PLUMBING FIXTURE TO REMAIN IN PLACE. NO NEW WORK
- INSTALL (N) CEILING TILE OR (N) GYP. BD. UNDERLAMENT. SEE DEMOLITION PLAN FOR REMOVAL OF
VARIOUS US COMPONENTS AS REQUIRED TO INSTALL (N) CEILING FINISH. FOLLOWING INSTALLATION OF
(N) CEILING FINISH, REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED OF (N)
FINISHED CEILING
- COORDINATE LOCATION OF LIGHT FIXTURES AND OTHER CEILING MOUNTED COMPONENTS WITH
TOILET PARTITION FULL HEIGHT PILASTERS
- CUT BACK/REMOVE AND SALVAGE (E) CEILING TILE AND REMOVE ANY (E) SUB-FINISH TO EXPOSE ROOF
OR CEILING STRUCTURE AND TO ALLOW CONNECTION OF (N) WALL HEAD TO ROOF OR CEILING
STRUCTURE. RE-INSTALL SALVAGED CEILING TILE AROUND (N) WALL FOLLOWING FRAMING AND
FINISHING - SEE STRUCTURAL FOR NEW WALL FRAMING
- FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMMODATE (N)
RESINOUS FLOOR FINISH
- PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO
MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
- (E) FIRE EXTINGUISHER TO REMAIN
- NON-KITCHEN AREAS: PROVIDE (N) UL RATED 2A-10BC 5 LB. MULTIPURPOSE, RED ENEAMELED STEEL
FIRE EXTINGUISHER, AT KITCHEN AREAS; PROVIDE UL RATED CLASS K 2-A-K WET CHEMICAL 2.5
GALLON, RED ENEAMELED STEEL FIRE EXTINGUISHER. PROVIDE MOUNT TO WALL WITH STANDARD MFRS.
WALL BRACKET
- PATCH BACK (E) CEILING FINISHES WITH (N) TO MATCH WHERE ACCESS TO ABOVE CEILING IS REQUIRED
FOR INSTALLATION OF ANY NEW SYSTEMS OR WHERE WALLS WERE REMOVED AND (N) FINISH
CONSTRUCTED. SEE REFLECTED CEILING PLAN AND MATERIAL & FINISH SCHEDULE FOR FINAL FINISH
REQUIREMENTS.

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+
ASSOCIATES
ARCHITECTS



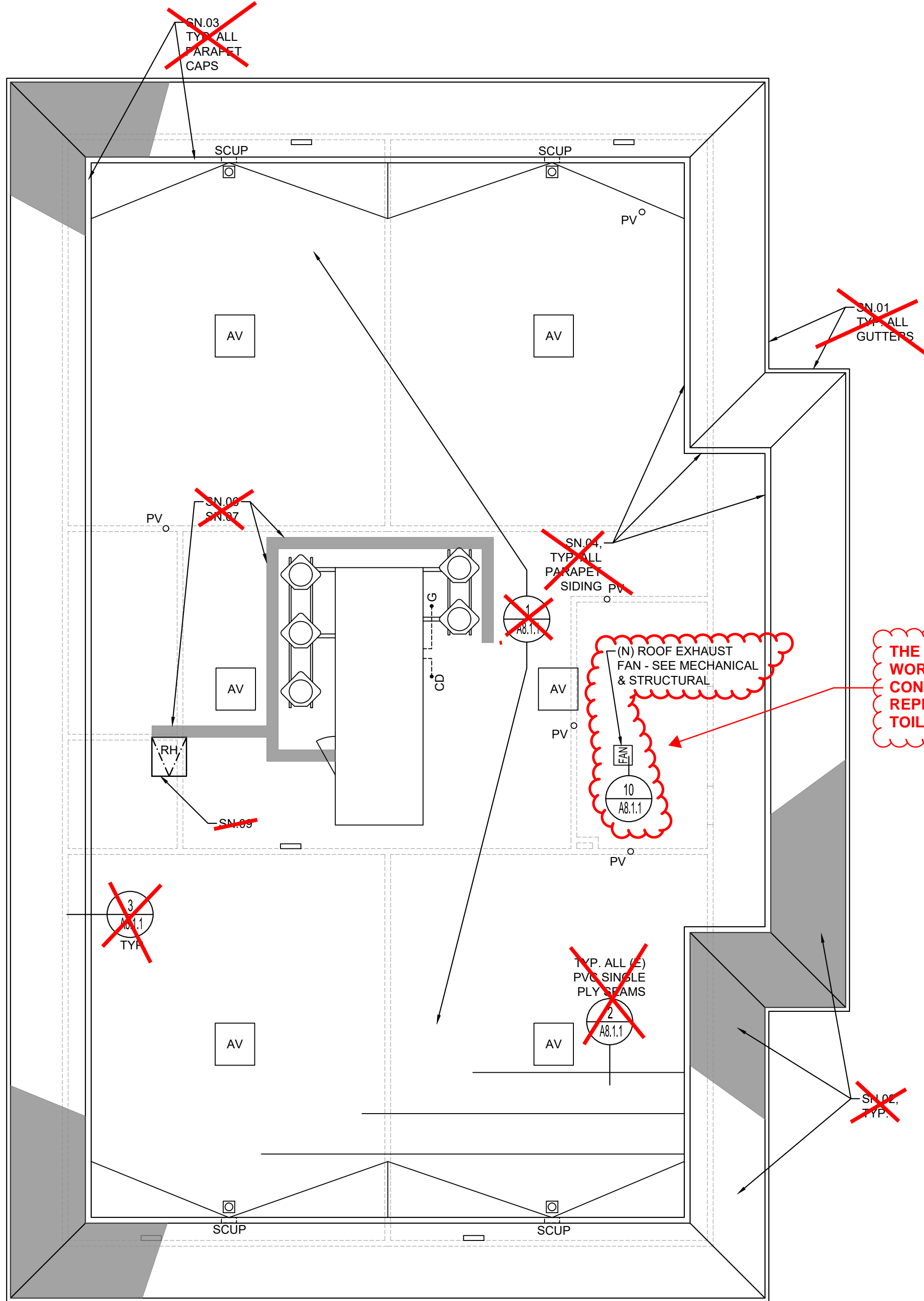
MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

CONSULTANT

REFLECTED CEILING &
ENLARGED TOILET PLANS &
INTER. ELEV. - BUILDING C

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
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CHECKED		
JCBS		
SCALE		
AS SHOWN		
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UPDATED		
12/21/2022		
SHEET NO.		

A2.2.C



1 ROOF PLAN - BUILDING C
SCALE: 1/8" = 1'-0"
0 4' 8' 16'
NORTH

SHEET NOTES (ROOF)

(NOTE: NOT ALL NOTES MAY BE USED)

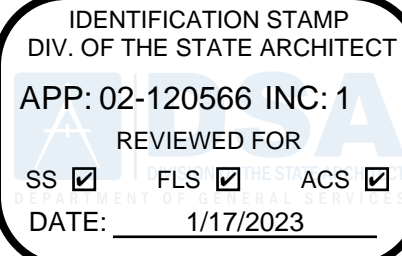
- SN.01 (E) SHEET METAL GUTTERS TO REMAIN - SEE ROOF RESTORATION SCOPE DESCRIPTION FOR NEW WORK AT GUTTERS.
- SN.02 (E) FIBERGLASS SHINGLES TO REMAIN AT SLOPED MANSARD ROOF.
- SN.03 (E) SHEET METAL PARAPET CAP TO REMAIN - SEE ROOF RESTORATION SCOPE DESCRIPTION FOR NEW WORK AT PARAPET CAP.
- SN.04 (E) METAL SIDING AT BACK SIDE OF PARAPET WALL TO BE RE-ATTACHED W/ (N) FASTENERS AND COATED W/ (N) PAINT - SEE ROOF RESTORATION SCOPE DESCRIPTION AND REFERENCED DETAIL FOR NEW WORK AT PARAPET WALL.
- SN.05 (E) UTILITY LINE BLOCKING TO BE REPLACED WITH (N) BLOCKING SET ON NEW TRAFFIC PAD - SEE ROOF RESTORATION SCOPE DESCRIPTION FOR INFORMATION REGARDING UTILITY LINE BLOCKING AND REFERENCED DETAILS.
- SN.06 (E) TRAFFIC PADS WHERE OCCUR, COAT WITH (N) LIQUID URETHANE COATING. AFTER CURING, PROVIDE SECOND, GREY COLORED COATING OF (N) LIQUID URETHANE COATING.
- SN.07 (N) LIQUID URETHANE TRAFFIC PAD PER SPECIFICATIONS INSTALLED FROM ROOF HATCH TO AROUND (N) MECHANICAL EQUIPMENT.
- SN.08 (N) 24"X42" ROOF ACCESS HATCH AND SAFETY POST. ROOF ACCESS HATCH TO BE BILCO CUSTOM SIZE, MODEL 3S WITH FLASHING FLANGE. INSTALL OVER (E) ROOF CURB AND PAINT TO MATCH OTHER ROOF ACCESSORIES. ROOF HATCH SAFETY POST TO BE BILCO MODEL LU-1 OR APPROVED EQUAL.
- SN.09 INSTALL (N) ROOF HATCH SAFETY POST ON (E) STEEL ACCESS LADDER. SAFETY POST TO BE BILCO MODEL LU-1 OR APPROVED EQUAL.

ROOF RESTORATION SCOPE DESCRIPTION:

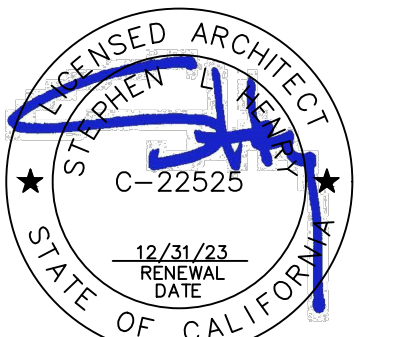
- EXISTING SINGLE PLY ROOFING MEMBRANE OVER BUILT-UP ROOFING MEMBRANE TO REMAIN IN PLACE AND PREPARED OR MODIFIED AS DESCRIBED BELOW AND SHOWN IN ROOF DETAILS. NOTE: THE EXISTING ROOF (SINGLE PLY MEMBRANE OVER HOT-MOP BUILT-UP ROOFING OVER PLYWOOD DECK) IS CONSIDERED A CLASS C ROOF PER SBC 1505.4. CLASS C ROOFS ARE ALLOWED FOR TYPE VB CONSTRUCTION PER CBC TABLE 1505.1.
- ALL EXISTING ROOF GUTTERS ARE TO REMAIN AND TO BE CLEANED AND THE LAPS SEALED WITH URETHANE SEALANT.
- ALL EXISTING PENETRATIONS AND SINGLE PLY MEMBRANE LAPS IN THE EXISTING ROOF SYSTEM ARE TO BE CLEANED AND FLASHED WITH EMBEDDED POLYESTER AND FLUID APPLIED URETHANE RESTORATION SYSTEM AND PER THE ATTACHED ROOF DETAILS.
- AFTER CLEANING AND FLASHING PENETRATIONS AND SINGLE PLY MEMBRANE LAPS, THE ENTIRE EXISTING FIELD OF ROOF SHALL BE COATED WITH FLUID APPLIED URETHANE RESTORATION SYSTEM IN QUANTITY AS SPECIFIED. (SPECIFIED QUANTITY EQUALS 5-GALLONS AT 9.6 LBS PER GALLON OR 28.8 GALLONS PER SQUARE OR 0.288 PSF). FLUID APPLIED RESTORATION SYSTEM TO BE INSTALLED AT COVERAGE RATE THAT MATCHES AND PROVIDES THE REQUIRED SPECIFIED WARRANTY.
- ALL WOOD AND OTHER UTILITY LINE BLOCKING TO BE REPLACED WITH NEW UTILITY LINE BLOCKING PER SPECIFICATION.
- ALL SCREW FASTENERS AT THE EXISTING METAL SIDING AT BACK OF PARAPET SHALL BE REPLACED WITH NEW RUBBER GROMMET SCREW FASTENERS. FOLLOWING NEW FASTENER INSTALLATION, THE EXISTING METAL SIDING AT THE BACK OF PARAPET TO BE PREP'D AND COATED WITH A RUST INHIBITIVE PRIMER AND RUST INHIBITIVE FINISH COAT OF PAINT.
- THE EXISTING METAL PARAPET CAP TO BE REPAIRED. LAPS RESEALED AND FASTENERS REPLACED. THE EXISTING METAL PARAPET CAP TO BE PREP'D AND COATED WITH A RUST INHIBITIVE PRIMER AND RUST INHIBITIVE FINISH COAT OF PAINT.
- SEE SHEET A8.1.1 FOR TYPICAL FLUID APPLIED URETHANE RESTORATION SYSTEM DETAILS.

ROOF LEGEND

- AV (E) ATTIC VENT & CURB - SEE DETAIL 12/A8.1.1
- RH V (E) OR (N) ROOF HATCH O/ CURB - SEE DETAIL 13/A8.1.1
- FAN (E) OR (N) FAN - SEE DETAIL 12/A8.1.1 FOR (E) AND DETAIL 10/A8.1.1 FOR (N) - SEE ALSO MECHANICAL & STRUCTURAL
- GNV (E) GOOSE NECK VENT - SEE DETAIL 12/A8.1.1
- EVAP (E) EVAPORATIVE COOLER O/ CURB - SEE DETAIL 13/A8.1.1
- (E) PACKAGE HVAC UNIT ON SLEEPER CURBS - SEE DETAIL 13/A8.1.1
- F (E) FLUE - SEE DETAIL 12/A8.1.1
- DS & SP (E) DOWNSPOUT & SPLASH PAN
- SCUP (E) THROUGH-WALL SCUPPER - SEE DETAIL 6/A8.1.1
- RD (E) ROOF DRAIN - SEE DETAIL 5/A8.1.1
- EL (E) ELECTRICAL CONDUIT PENETRATIONS - SEE DETAIL 4/A8.1.1
- G (E) GAS PIPE PENETRATIONS - SEE DETAIL 4/A8.1.1
- PV (E) PLUMBING VENT - SEE DETAIL 4/A8.1.1
- SJ (E) SEISMIC JOINT - SEE DETAIL 2/A8.1.1
- RH V (E) ROOF HATCH W/ GRAB RAIL - SEE DETAILS 4 & 13/A8.1.1
- UT (E) UTILITY LINE ON (N) BLOCKING - SEE DETAIL 8/A8.1.1
- CU (E) CONDENSER UNIT SET ON EXPOSED P.T. BLOCKING. TEMPORARILY REMOVE CONDENSER UNIT AND INSTALL (N) PVC CLAD METAL CAN'T ALL AROUND AND (N) GSM COVERS - SEE 9/A8.1.1 FOR SIMILAR DETAIL
- SL (E) SKY LIGHT - SEE DETAIL 13/A8.1.1



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

ROOF PLAN -
BUILDING C

CONSULTANT

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MS		
CHECKED		
JCBS		
SCALE		
AS SHOWN		
CADFILE		
UPDATED		
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SHEET NO.		

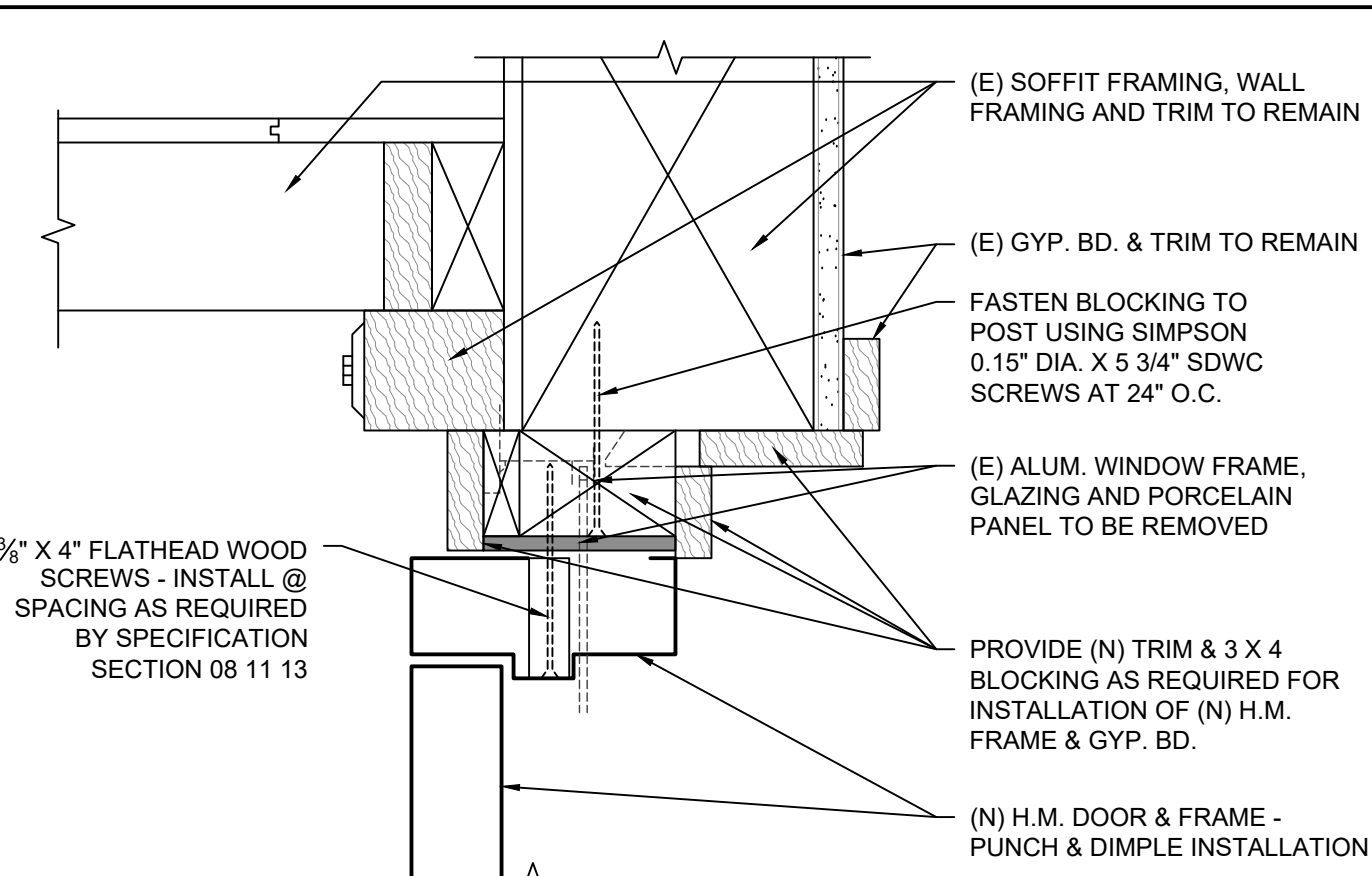
A2.3.C

BUILDING, ROOM NAME & ROOM NUMBER	DOOR MARK	DOOR SIZE WIDTH X HEIGHT	DOOR					FRAME			DETAILS				
			TYPE	MATERIAL	FINISH	GLAZING	FIRE RATING	HARDWARE GROUP	TYPE	MATERIAL	FINISH	HEAD	JAMB	SILL	DOOR NOTES
BLDG. A															
ADMINISTRATION A101	A101	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
ADMINISTRATION A101	A101.2	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
HEALTH A102	A102	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
BREAK A102.1	A102.1	NO WORK THIS DOOR EXCEPT AS NOTED						6							
PRIN. OFFICE A103	A103	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
PRIN. OFFICE A103	A103.1	NO WORK THIS DOOR EXCEPT AS NOTED						6							
RECORDS A104	A104	NO WORK THIS DOOR EXCEPT AS NOTED						6							
WORK ROOM A105	A105	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
TOILET A109	A109	NO WORK THIS DOOR EXCEPT AS NOTED						6							
KINDERGARTEN A109	A109	(N) 3'-0" X 8'-8" B HM P T CLR						3	A	HM	P	2/A3.1.1	2/A3.1.1	4/A0.2	4, 5
KINDERGARTEN A109	A109.1	(N) 3'-0" X 8'-8" B HM P T CLR						3	A	HM	P	5/A3.1.1	6/A3.1.1	8/A3.1.1	1, 6, 20
KINDERGARTEN A110	A110	(N) 3'-0" X 8'-8" B HM P T CLR						9	A	HM	P	5/A3.1.1	6/A3.1.1	8/A3.1.1	1, 6, 20
KINDERGARTEN A110	A110.1	(N) 3'-0" X 8'-8" B HM P T CLR						9	A	HM	P	5/A3.1.1	6/A3.1.1	8/A3.1.1	1, 6, 20
TOILET A111	A111	(N) 3'-0" X 7'-0" C HM P							C	HM	P	3/A3.1.1	3/A3.1.1	4/A0.2	
TOILET A112	A112	(N) 3'-0" X 7'-0" C HM P							C	HM	P	3/A3.1.1	3/A3.1.1	4/A0.2	
BLDG. B															
CLASSROOM B101	B101	NO WORK THIS DOOR EXCEPT AS NOTED						1					8/A3.1.1	1, 2, 3, 6, 9, 20, 21	
CLASSROOM B102	B101.1	NO WORK THIS DOOR EXCEPT AS NOTED						1					8/A3.1.1	1, 2, 3, 6, 9, 20, 21	
CLASSROOM B102	B102	(N) 3'-0" X 8'-8" B HM P T CLR						1					8/A3.1.1	1, 2, 3, 6, 9, 20, 21	
CLASSROOM B102	B102.1	NO WORK THIS DOOR EXCEPT AS NOTED						1							
CLASSROOM B103	B103	NO WORK THIS DOOR EXCEPT AS NOTED						1							
CLASSROOM B103	B103.1	NO WORK THIS DOOR EXCEPT AS NOTED						1							
CLASSROOM B104	B104	(N) 3'-0" X 8'-8" B HM P T CLR						1					8/A3.1.1	1, 2, 3, 6, 9, 20, 21	
CLASSROOM B104	B104.1	NO WORK THIS DOOR EXCEPT AS NOTED						1					8/A3.1.1	1, 2, 3, 6, 9, 20, 21	
CLASSROOM B105	B105	(N) 3'-0" X 8'-8" B HM P T CLR						1					8/A3.1.1	1, 2, 3, 6, 9, 20, 21	
CLASSROOM B105	B105.1	NO WORK THIS DOOR EXCEPT AS NOTED						1					8/A3.1.1	1, 2, 3, 6, 9, 20, 21	
WORK ROOM B106	B106	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
JANITOR B107	B107	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
JANITOR B107	B107.1	NO WORK THIS DOOR EXCEPT AS NOTED						6					8/A3.1.1	6, 16	
BOYS B109	B109	(N) 3'-0" X 8'-8" A HM P T CLR						2	A	HM	P	7/A3.1.1	4/A3.1.1	8/A3.1.1	1, 4, 5, 6, 8, 20
BLDG. C															

WD	WOOD	HM	HOLLOW METAL
T	TEMPERED SAFETY	SC	SOLID CORE WOOD
S	STAIN	PM	PREFINISHED METAL
P	PAINT	AL	ALUMINUM
F	FACTORY FINISH	TC	TEMPERED SAFETY CLEAR
E	EXISTING	SS	STAINLESS STEEL
FG	FIBER GLASS		

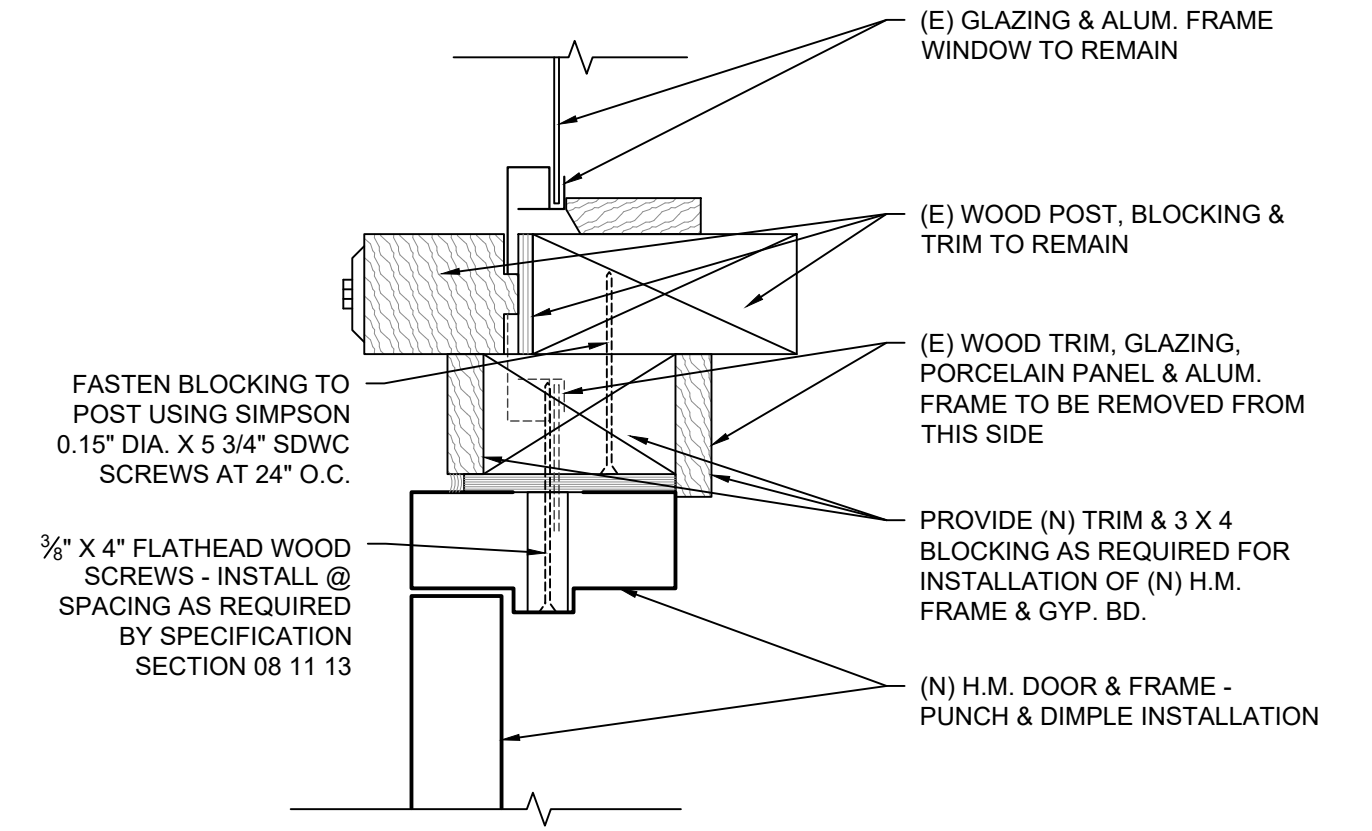
(NOTE: NOT ALL DOOR SCHEDULE NOTICES MAY BE USED)

- ENTRANCE DOORS SHALL BE WEATHER STRIPPED AND ALL JOINTS AND INFORMATION SHALL BE REPAIRED AND REFINISHED.
- PROVIDE TACTILE EXIT SIGN PER DETAIL 3/A0.1
- PROVIDE ROOM IDENTIFICATION SIGN PER DETAIL 2/A0.1
- PROVIDE TOILET ROOM IDENTIFICATION SIGN PER DETAIL 2/A0.1
- PROVIDE TOILET ROOM IDENTIFICATION SIGN PER DETAIL 2/A0.1
- PROVIDE TOILET ROOM IDENTIFICATION SIGN PER DETAIL 2/A0.1
- CBC 11B-404.2.1 ALL THRESHOLDS SHALL BE 1/2 INCH HIGH MAX. (ABOVE FLOOR AND LANDING ON BOTH SIDES) FLOORING
- CBC 11B-404.2.1 ALL THRESHOLDS SHALL BE 1/2 INCH HIGH MAX. (ABOVE FLOOR AND LANDING ON BOTH SIDES) FLOORING
- CBC 11B-404.2.8.1 DOOR CLOSERS & GATE CLOSERS SHALL BE ADJUSTED SO THAT FROM AN OPEN POSITION OF 90 DEGREES, THERE WILL BE THE TIME REQUIRED TO MOVE THE DOOR TO A POSITION OF 12 DEGREES FROM THE LATCH IS 5 SECONDS
- CBC 11B-404.2.9 THE MAXIMUM FORCE FOR PUSHING OR PULLING OF ANY DOOR FOR EXTERIOR DOORS SHALL BE 5 POUNDS
- CBC 11B-404.2.7: HARDWARE (I.E LEVER) SHALL BE CENTERED BETWEEN 34" & 44" ABOVE FLOOR
- CBC 11B-308.4 OPERATION: OPERABLE PARTS SHALL BE WEATHER STRIPPED WITH JOINTS AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAXIMUM
- EXIT DOORS TO BE EQUIPPED WITH PANIC HARDWARE
- PROVIDE 1-6" WIDE X 10-14" HIGH CLOUSER
- DOOR CLOSER TO BE COMBINATION OF DOUBLE PANIC INSULATING TEMPERED SAFETY GLASS LABELED & TESTED PER CBC 2408
- DOOR DOOR STOPS TO BE LOCATED SO AS NOT TO CAUSE A TRIPPING HAZARD & 4" MAX. FROM WALL.
- UNDERCUT DOOR FOR 2" MIN. CLEARANCE.
- UNDERCUT DOOR 1" FOR VENTILATION
- DOOR CLOSER TO BE COMBINATION OF DOUBLE PANIC INSULATING TEMPERED SAFETY GLASS LABELED & TESTED PER CBC 2408
- PROVIDE POWER FOR ELECTRIC MOTOR OPERATION. VERIFY SWITCH LOCATION
- REMOVE (E) METAL FENCE DETAILS ON SHEET A3.1
- REMOVE (E) THRESHOLD WHERE OCCURS PRIOR TO DEMO & INSTALLATION OF (N) CONCRETE WALKWAY UNDERCUT DOOR
- INSTALL DOOR BOTTOM, INSTALL (N) THRESHOLD FOLLOWING INTERIOR ELEVATIONS & FINISH SCHEDULE. PAINT INTERIOR DOOR BOTTOM TO MATCH (N) THRESHOLD
- (E) DOOR, FRAME & HARDWARE TO REMAIN EXCEPT AS NOTED OTHERWISE. PAINT INTERIOR SIDES OF DOOR & FRAME PER INTERIOR ELEVATIONS AND FINISH SCHEDULE. PAINT OVER ALL EXISTING PAINTED SURFACES THAT ARE CURRENTLY WEATHER STRIPPED. INTERIOR PAINT, EXTERIOR FACE OF DOOR SHALL NOT BE PAINTED.
- (E) DOOR, FRAME & HARDWARE TO REMAIN EXCEPT AS NOTED OTHERWISE. PAINT BOTH SIDES OF DOOR & FRAME WITH PAINT COLOR AS INDICATED.
- (E) DOOR, FRAME & HARDWARE & SIDE LIGHT GLAZING TO BE REMOVED. MODIFY FRAME AS DETAIL TO ACCEPT (N) METAL WALK PANEL. PAINT INTERIOR SIDES OF DOOR & FRAME TO MATCH (E) DOOR PANEL TO MATCH (E) BUILDING PAINT COLORS. PAINT INTERIOR SIDE OF EXISTING FRAME AND (N) METAL WALK PANELS PER INTERIOR ELEVATIONS & FINISH SCHEDULE.
- FIELD VERIFY (E) DOOR AND/OR FRAME SIZE PRIOR TO ORDERING AND FABRICATION
- REMOVE (E) DOOR & HARDWARE AND REPLACE WITH (N) DOOR & HARDWARE. PAINT EXTERIOR SIDE OF EXISTING FRAME AND (E) DOOR TO MATCH (E) BUILDING PAINT COLORS. PAINT INTERIOR SIDE OF EXISTING FRAME AND (N) DOOR PER INTERIOR ELEVATIONS & FINISH SCHEDULE.
- REMOVE (E) DOOR, FRAME & HARDWARE AND REPLACE WITH (N) DOOR, FRAME & HARDWARE. PAINT (N) DOOR AND FRAME PER INTERIOR ELEVATIONS & FINISH SCHEDULE.



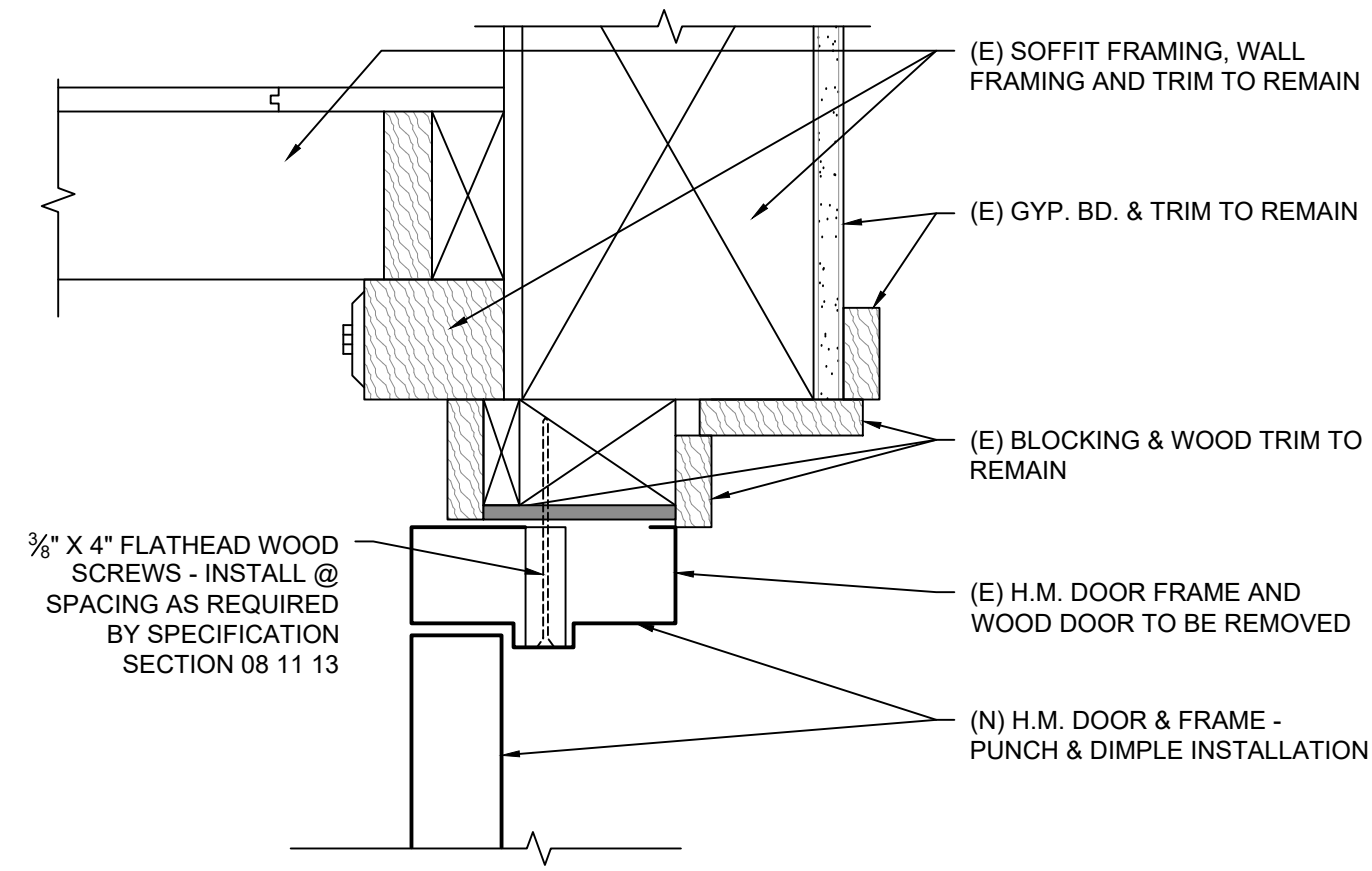
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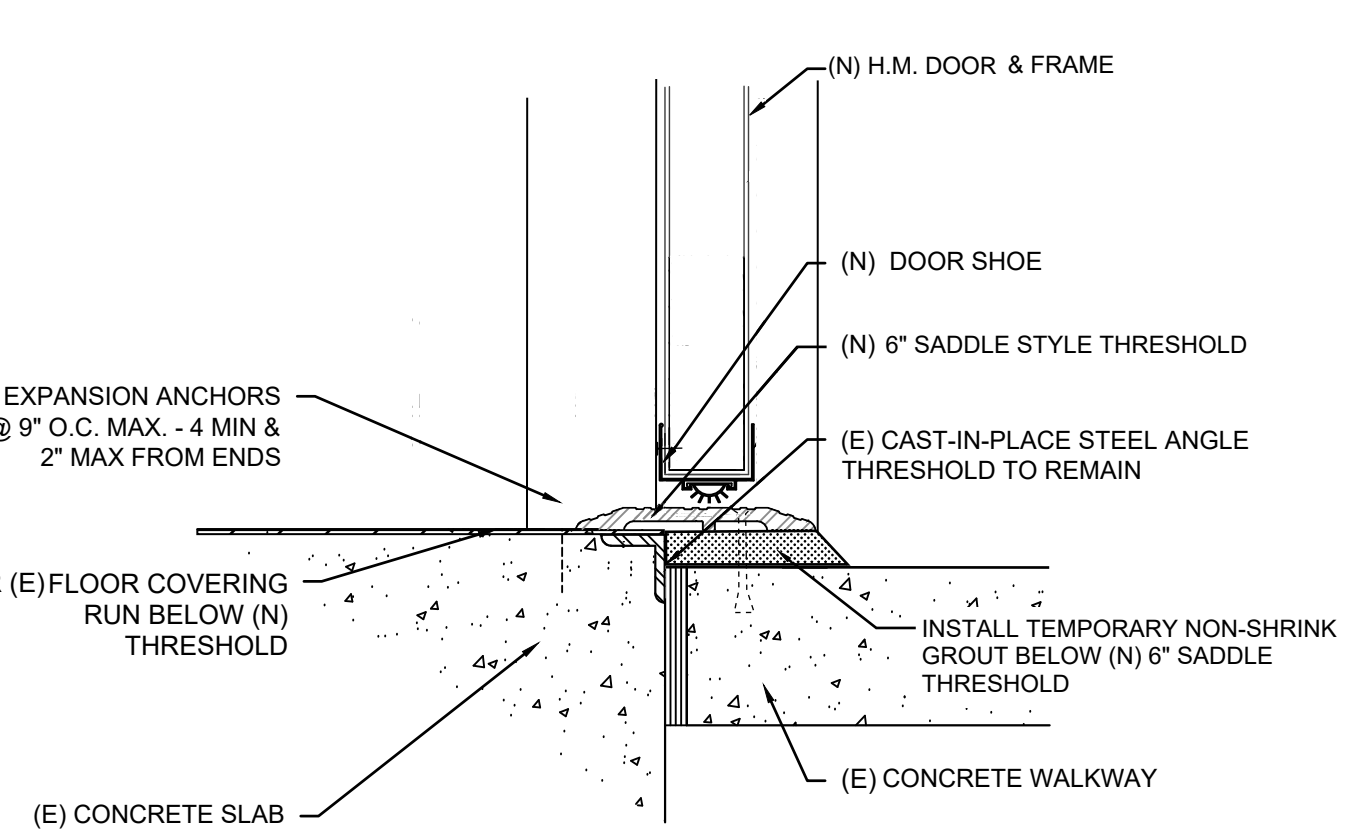
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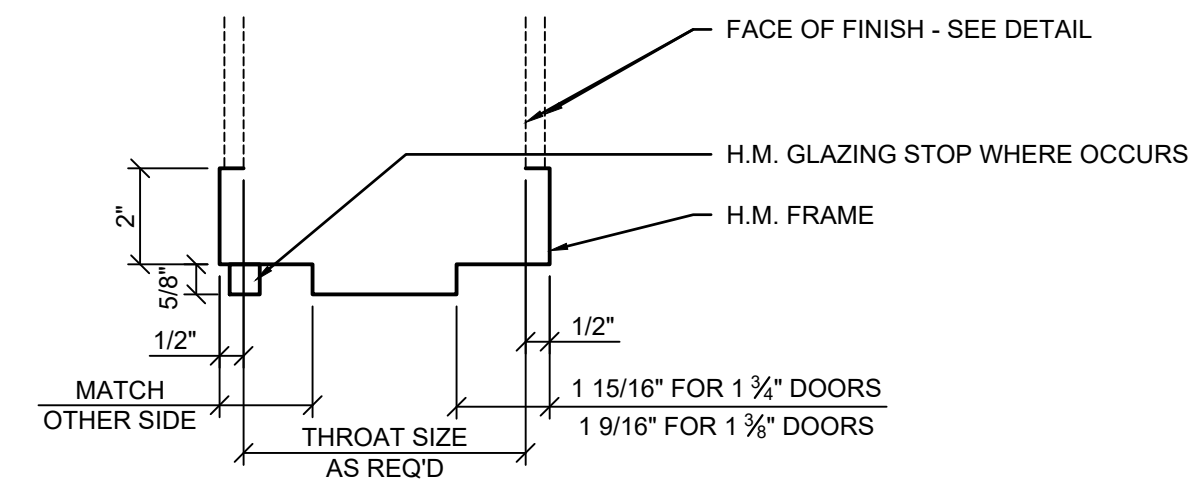
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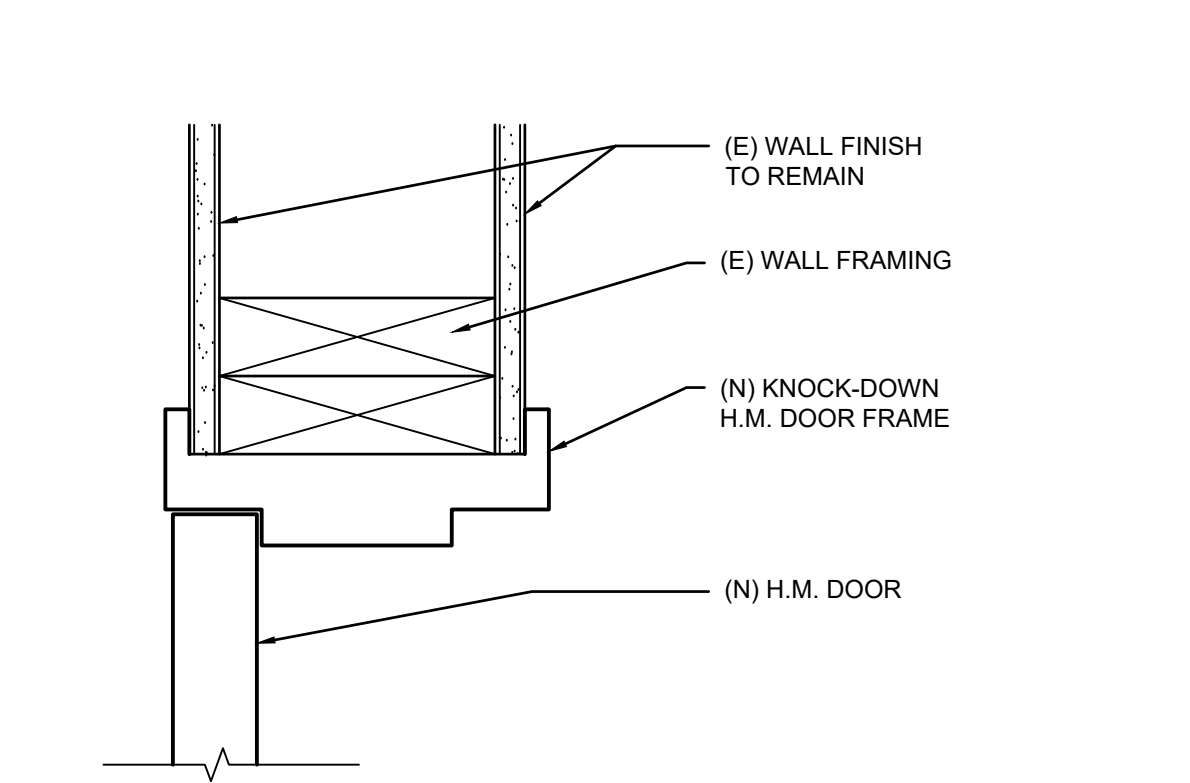
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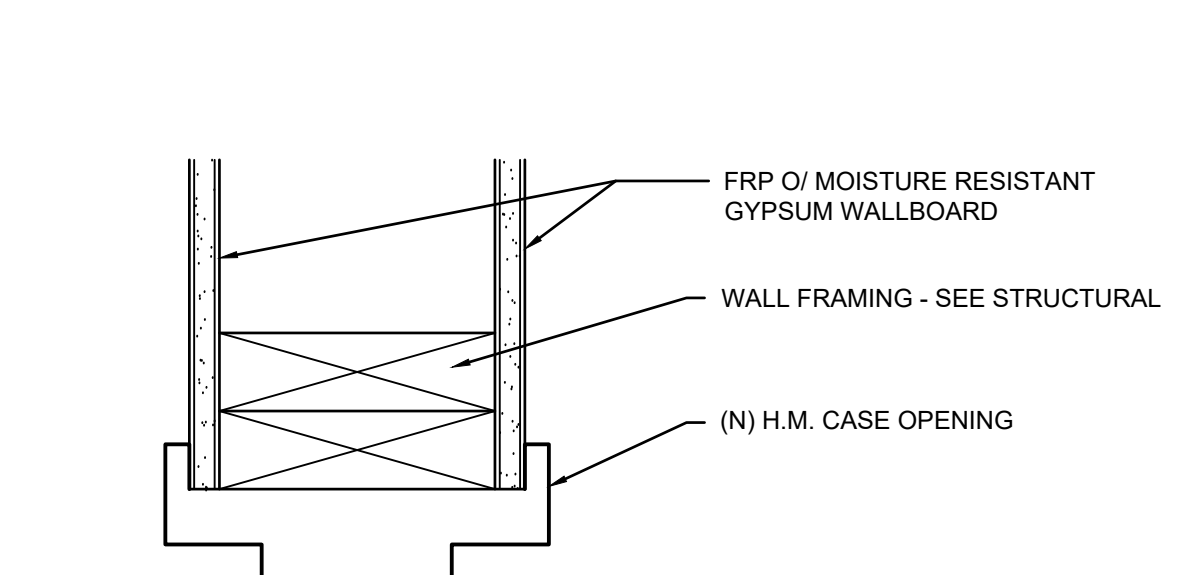
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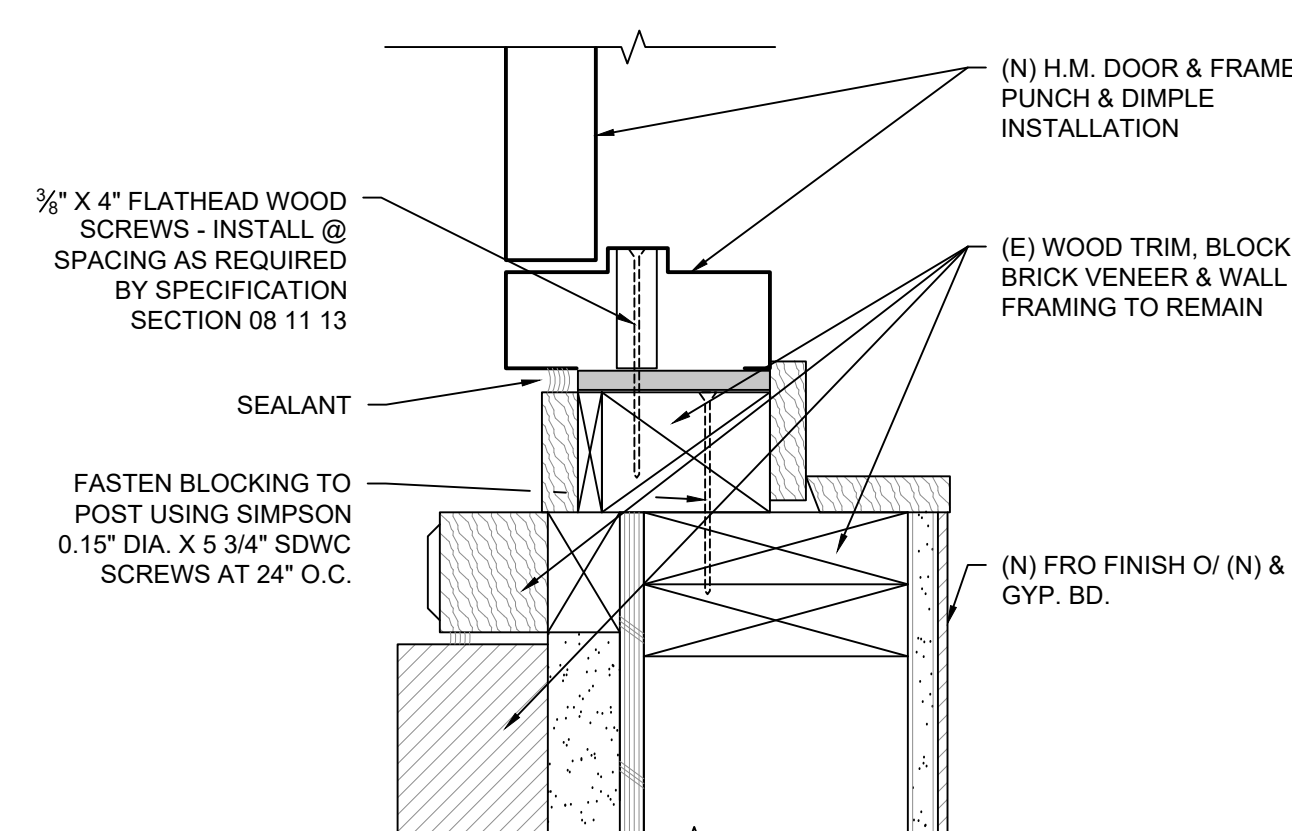
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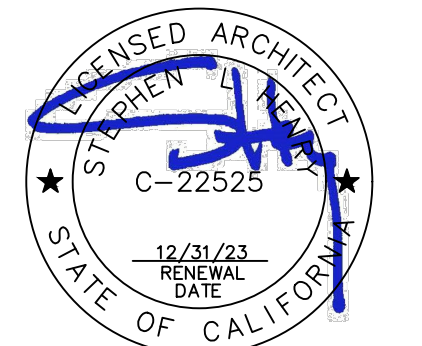


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DATE: 1/17/2023

730 Howe Avenue, Suite 450
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Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

DOOR SCHEDULE & DETAILS

CONSULTANT

PROJECT NO. 21-32-053	REVISIONS	BY
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SCALE AS SHOWN		
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UPDATED 12/21/2022		
SHEET NO.		

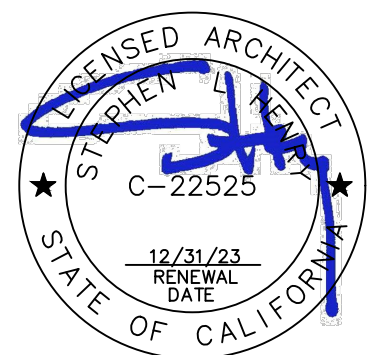
A3.1.1

**SEE INTERIOR ELVATIONS
2/A5.1.A FOR NEW FINISHES AT
BREAK A102.1 (NOT LISTED HERE)**

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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

MATERIAL & FINISH SCHEDULE

CONSULTANT

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A3.1.2

	<div>3WALL HUNG CAB. ANCHORS</div> <div>N.T.S.</div>
	<div>2CABINET ANCHORAGE</div> <div>N.T.S.</div>
	<div>1ACCESSIBLE CASEWORK</div> <div>N.T.S.</div>

CASEWORK SCHEDULE (NOTE: NOT ALL CABINETS LISTED ARE USED)												
KEY	CABINET NUMBER	W.I. NUMBER*	SIZE (INCHES)			FINISH						
			WIDTH	HEIGHT	DEPTH	CASEWORK				COUNTERTOP FINISH		
						PLASTIC LAMINATE				PLASTIC LAMINATE		
												NOTES
	101A	101	12	30	24	●				●		1, 3
	101B	101	16	30	24	●				●		1, 3
	102A	102	30	34	12	●				●		1, 3
	102B	102	30	34	24	●				●		1, 3
	154A	154B	36	34	24	●				●		1, 2, 3, 4
	211A	211	24	34	24	●				●		1, 3
	212A	212	30	34	24	●				●		1, 3
	222A	222	36	34	24	●				●		1, 3
	223A	223	24	30	24	●				●		1, 3
	223B	223	16	30	24	●				●		1, 3
	254A	254	24	30	24	●				●		1, 3
	254B	254	16	30	24	●				●		1, 3
	302A	302	30	30	12	●						3
	302B	302	36	30	12	●						3, 4
	402A	402	48	84	24	●				●		1, 3
	444A	444	72	36	18	●				●		8 - CUBBIES @ +/- 18" W. X 15" T. notes 1, 3
	600A	600	36	36	12	●				●		3
NOTES												
1. HEIGHT PROVIDED FOR BASE CABINETS IF FROM FINISHED FLOOR TO TOP OF COUNTER TOP. ACTUAL HEIGHT OF BASE CABINET IS LESS.												
2. SEE DETAIL 1 THIS SHEET FOR ADA SINK BASE DETAIL.												
3. SEE DETAILS 2 AND 3 THIS SHEET FOR CABINET ANCHORAGE.												
4. FIELD MEASURE ROUGH OPENING PRIOR TO FABRICATION.												
* W.I. NUMBER DESIGNATION PER NORTH AMERICAN WOODWORK INSTITUTE CDS (CABINET DESIGN SERIES)												

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HENRY+
ASSOCIATES
ARCHITECTS

MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

CASEWORK SCHEDULE
& DETAILS

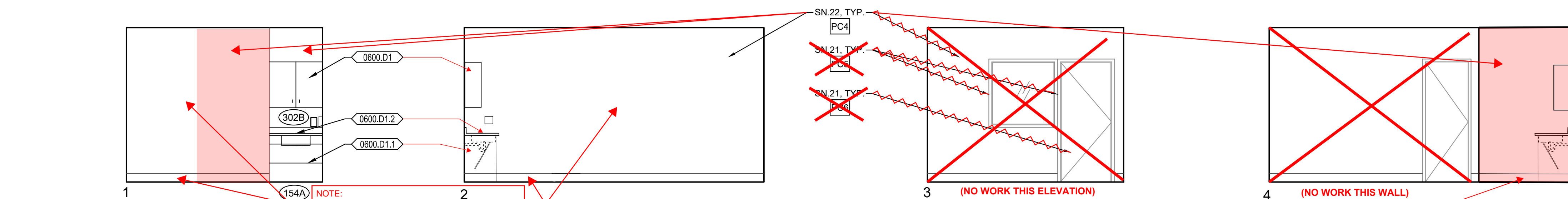
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A3.1.3

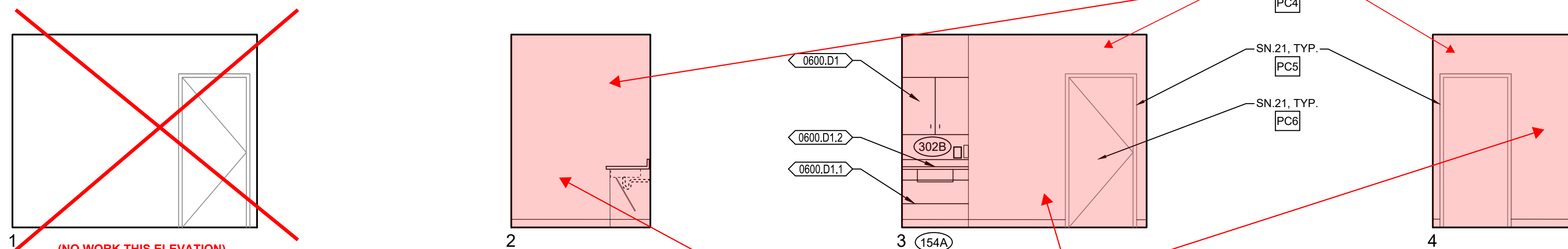
35 OF 131 SHEETS

NOTE:
ALTHOUGH THE SPACES ADJACENT TO THE TOILET MODERNIZATIONS ARE NOT A PART OF THE OVERALL MODERNIZATION SCOPE AT BUILDING A, THE FINISHES DIRECTLY AFFECTED BY THE TOILET MODERNIZATIONS WILL NEED TO BE REPLACED OR REPAIRED BY THE CONTRACTOR. THESE FINISH MODIFICATIONS INCLUDE BUT MAY NOT BE LIMITED TO REMOVAL AND REPLACEMENT OF FLOORING AND CEILING TILE AND PATCHING, TEXTURING AND PAINTING AFFECTED CEILINGS & WALLS. THE MODERNIZATION OF THESE TOILETS AND SURROUNDING AFFECTED SPACES MUST BE COMPLETE AND FINISHED IN ALL RESPECTS



3 INTERIOR ELEVATIONS - WORK ROOM A105 / ALCOVE A107

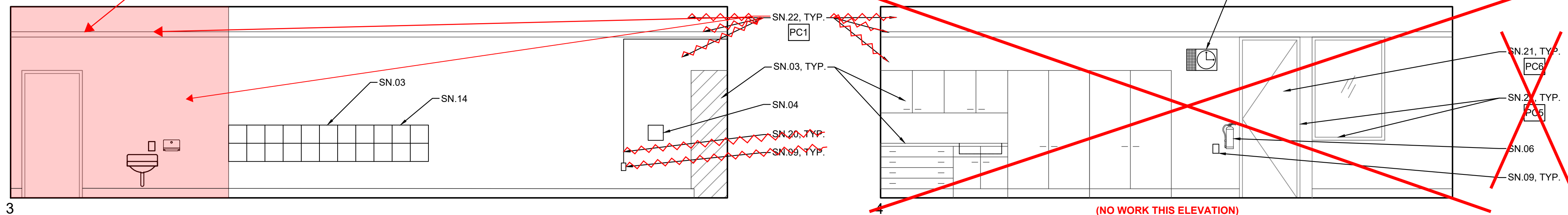
A5.1.A SCALE: 1/4" = 1'-0"



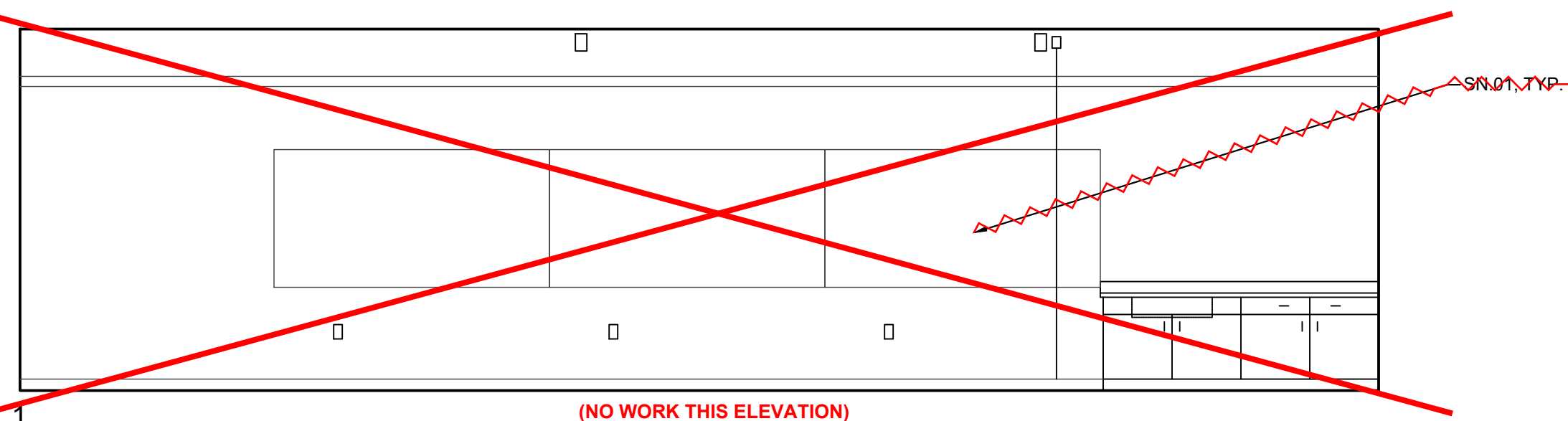
2 INTERIOR ELEVATIONS - BREAK A102.1

A5.1.A SCALE: 1/4" = 1'-0"

NOTE:
INSTALL (N) WOOD TRIM TO
MATCH (E) AT (N) WALL



NOTE:
INSTALL (N) WOOD TRIM TO
MATCH (E) AT (N) WALL



1 INTERIOR ELEVATIONS - KINDERGARTEN A109/A110

A5.1.A SCALE: 1/4" = 1'-0"

GENERAL NOTES

1. THE EXISTING CLASSROOMS ARE NOT IDENTICAL IN REGARD TO QUANTITY OR LOCATION OF VARIOUS WALL OR CEILING MOUNTED ITEMS REQUIRED TO BE REMOVED OR PROTECTED IN MANNER AND PATTERNED TO THE DETAILED NOTES AND NOTES ARE GENERAL IN NATURE AND REQUIRES THE GENERAL CONTRACTOR TO PREPARE A DETAILED SCHEDULE. THE CONTRACTOR IS REQUIRED TO REMOVE OR PROTECT AND MASK IN PLACE ALL EXISTING DRY WALL, PARTIAL WALLS, PARTIAL CEILING, PARTIAL FLOORS, FIRE EXTINGUISHERS, WINDOW COVERINGS & TRACKS, LIGHT FIXTURES OR ANY OTHER ITEM WHETHER SPECIFICALLY SHOWN OR NOT AND AS REQUIRED FOR INSTALLATION OF NEW FINISHES. MATERIALS WILL BE REQUIRED TO BE REMOVED AND TEMPORARILY STORED AND PROTECTED FOR LATER INSTALLATION
2. NOT ALL OF THE EXISTING INTRUSION ALARM AND DATA NETWORKING/DISTRIBUTION COMPONENTS ARE SHOWN IN THE PLANS. THESE ITEMS ARE TO REMAIN AS INSTALLED AND BE PROPERLY MASKED TO ELASTIC SHEET GROUNDING AND PROTECT THEM FROM NECESSARY DURING CONSTRUCTION OPERATIONS AND PRIOR TO PAINTING. VERIFY WITH OWNER THE EXACT PROTECTION AND MASKING MEASURES AND LIMITATIONS PRIOR TO MASKING.
3. WHERE PLUMBING FIXTURES OR OTHER COMPONENTS ARE REMOVED FROM WALLS, FLOORS OR CEILINGS AND/OR WALLS, FLOORS OR CEILINGS ARE REMOVED TO ALLOW ACCESS TO OTHER COMPONENTS OR OTHER FINISHES. ANY PAINTING SHALL BE DONE TO THE EXISTING FINISH WITH LIKE FINISHES IN PREPARATION FOR INSTALLATION OF NEW FINISH.
4. NOT ALL PAINT AND OTHER FINISH WORK MAY BE SHOWN IN PLANS AND ELEVATIONS. SEE MATERIALS & FINISH SCHEDULE TO VERIFY LOCATION AND TYPES OF EXISTING AND NEW FINISHES.
5. SEE SHEET A0.1 AND A0.2 FOR ALL TOILET FIXTURE, TOILET ACCESSORY, MISC. BUILDING COMPONENTS, SIGNAGE, HAND RAILS & MOUNTING INFORMATION.
6. SEE SHEET A0.1 FOR ACCESSIBLE TOILET DETAILS, CLEARANCES, DIMENSIONS AND OTHER INFORMATION.

SHEET NOTES

(NOTE: NOT ALL NOTES MAY BE USED)

- SN 01 (E) DRY MARKER BOARDS, TACK BOARDS AND MAP RAILS TO REMAIN IN PLACE AND PROTECTED
- SN 02 (E) CASEWORK WORKING COMPONENTS TO REMAIN IN PLACE AND PROTECTED
- SN 03 (E) CASEWORK TO REMAIN IN PLACE & PROTECTED
- SN 04 (E) TELEPHONE TO REMAIN IN PLACE AND PROTECTED
- SN 05 (E) FLOORING PARTITION WALL, WOOD TRIM AND BEAM ABOVE TO REMAIN IN PLACE. PREP AND PAINT BOTH SIDES OF WALL AND ALL ITEMS TO MATCH WALLS
- SN 06 (E) FIRE EXTINGUISHER BRACKET TO REMAIN IN PLACE AND PROTECTED. TEMPORARILY REMOVE FIRE EXTINGUISHER AND REPLACE FOLLOWING INSTALLATION OF (N) WALL FINISH.
- SN 07 (E) FLOOR FINISHES TO REMAIN TO BE PROTECTED DURING CONSTRUCTION OPERATIONS. REMOVE (E) FLOOR FINISHES AS REQUIRED TO ACCESS CONSTRUCTION OPERATIONS. FOLD BACK AND PROTECT (E) FLOOR FINISHES THAT ARE TO REMAIN AND RE-INSTALL FOLLOWING COMPLETION OF (N) CONSTRUCTION.
- SN 08 (E) CLOSURE/SPEAKER OR SPEAKER TO REMAIN IN PLACE AND PROTECTED
- SN 09 (E) DATA LINES, POWER OUTLETS, LIGHT SWITCHES, ELECTRICAL PANELS, SIGNAGE, HVAC UNITS, ELECTRICAL TRANSFORMERS AND OTHER SIMILAR BUILDING COMPONENTS TO REMAIN IN PLACE AND PROTECTED. PREP AND PAINT TO MATCH WALLS ONLY IF PREVIOUSLY PAINTED.
- SN 10 (E) PROJECTOR, PROJECTION SCREEN, TV, TV MOUNT TO REMAIN IN PLACE AND PROTECTED. PAINT AND REFINISH MOUNTING BOARDS TO MATCH WALLS.
- SN 11 (E) SHELF, COT HANGERS AND MOUNTING BOARD TO REMAIN IN PLACE. MASK HARDWARE AND PREP AND PAINT SHELF OR MOUNTING BOARD TO MATCH WALLS.
- SN 12 (E) LIGHT FIXTURES, FIRE ALARM & INTRUSION ALARM COMPONENTS TO REMAIN IN PLACE AND PROTECTED. SEE ELECTRICAL DRAWINGS FOR (N) FIXTURE INSTALLATION.
- SN 13 (E) HVAC CEILING REGISTERS TO REMAIN IN PLACE AND PROTECTED. SEE MECHANICAL FOR INSTALLATION OF (N) REGISTERS. -PAINT
- SN 14 RELOCATE (E) CASEWORK CUBBIE UNIT TO THIS LOCATION
- SN 15 FRAME NEW WALL OR FURRED WALL AND PROVIDE 6" TALL CONCRETE CURB AT TOILET ROOM AND WE' LOCATIONS PER STRUCTURAL. FINISH WALL WITH GYPSUM WALLBOARD AND ANY SPECIALTY COATING (E) FINISH SCHEDULE AND INTERIOR ELEVATIONS
- SN 16 NO NEW WORK THIS SPACE
- SN 17 DISABLE ACCESSIBLE
- SN 18 (E) TOILET ACCESSORIES TO REMAIN IN PLACE AND PROTECTED. MASK FOR PAINTING OF WALL.
- SN 19 THIS STALL TO BE AN AMBULATORY STALL. SEE ACCESSIBLE TOILET STALL FOR AMBULATORY STALL CLEARANCES, REQUIREMENTS AND DIMENSIONS
- SN 20 (E) EXPOSED WIRING, CABLEING AND WIREMOLD RACEWAY TO REMAIN IN PLACE. SNAP CLOSED ANY WIREMOLD RACEWAY THAT IS NOT PROPERLY CLOSED AND INSTALL ADDITIONAL CABLE FASTENERS AS REQUIRED FOR POSITIVE ATTACHMENT TO WALL PRIOR TO PREP AND PAINT. THESE ITEMS ARE TO REMAIN IN PLACE AND BE PREP AND PAINTED ALONG WITH NEW WALL FINISH.
- SN 21 PREP AND PAINT EXISTING WINDOW FRAMES, DOOR FRAMES AND DOOR.
- SN 22 PREP AND PAINT (E) OR (N) WALL, WALL TRIM AND CEILING SURFACES (WHERE INDICATED ON ANY EXISTING CEILING PLAN). PATCH BACK ANY DAMAGED VINYL WALLCOVERING TO MATCH (E) PRIOR TO PAINTING.
- SN 23 PREP AND PAINT EXISTING CEILING AND EXPOSED BEAMS (WHERE OCCUR)
- SN 24 (E) TOILET ACCESSORY TO BE REINSTALLED AT (N) LOCATION FOLLOWING INSTALLATION OF NEW WALL FINISHES
- SN 25 (E) PLUMBING TUBING TO REMAIN IN PLACE. NO NEW WORK.
- SN 26 INSTALL (N) CEILING TILE (N) GYP D BD UNDERLAYMENT. SEE DEMOLITION PLAN FOR REMOVAL OF (E) CEILING TILE. (E) COMPONENTS AS REQUIRED TO RE-INSTALL FINISH FOLLOWING INSTALLATION OF (N) CEILING FINISH. REINSTALL ALL CEILING MOUNTED COMPONENTS TEMPORARILY REMOVED OF (N) CEILING FINISH.
- SN 27 COORDINATE LOCATION OF LIGHT FIXTURES AND OTHER CEILING MOUNTED COMPONENTS WITH TOILET PARTITION WALL HEIGHT PLASERS.
- SN 28 CUT BACK/REMOVE AND SALVAGE (E) CEILING TILE AND REMOVE ANY (E) SUB-FINISH TO EXPOSE ROOF OR CEILING STRUCTURE AND TO ALLOW CONNECTION OF (N) WALL HEAD TO ROOF OR CEILING STRUCTURE. RE-INSTALL SALVAGED CEILING TILE AROUND (N) WALL FOLLOWING FRAMING AND FINISHING. -SEE STRUCTURAL FOR NEW WALL FRAMING.
- SN 29 (E) FLOOR DRAIN TO REMAIN IN PLACE. MODIFY AND ADJUST AS REQUIRED TO ACCOMMODATE (N) RE-INSTALL FLOOR FLOOR.
- SN 30 PATCH BACK (E) WALL FINISHES (WHERE TEMPORARILY REMOVED FOR WALL ACCESS PURPOSES) TO MATCH SURROUNDING WALL FINISHES AND PRIOR TO FINAL FINISH INSTALLATION.
- SN 31 (E) FIRE EXTINGUISHER TO REMAIN
- SN 32 NON-KITCHEN AREAS: PROVIDE (N) UL RATED 24-10BC, 5 LB. MULTIPURPOSE, RED ANEMALIZED STEEL, FIRE EXTINGUISHER AT KITCHEN AREAS. PROVIDE UL RATED CLASS 3-2-AK WEI CHEMICAL, 2.5 GALLON, RED NAMELED STEEL FIRE EXTINGUISHER. PROVIDE MOUNT TO WALL WITH 5 STANDARD MPFRS WALL BRACKET.
- SN 33 PATCH BACK (E) CEILING FINISHES WITH (N) TO MATCH WHERE ACCESS TO ABOVE CEILING IS REQUIRED FOR MECHANICAL EQUIPMENT. SEE REFLECTED CEILING PLAN AND MATERIAL & FINISH SCHEDULE FOR FINAL FINISHES AND EQUIPMENT.

KEYNOTES

NOTE: NOT ALL NOTES MAY BE USED

0600 WOOD, PLASTICS, COMPOSITES

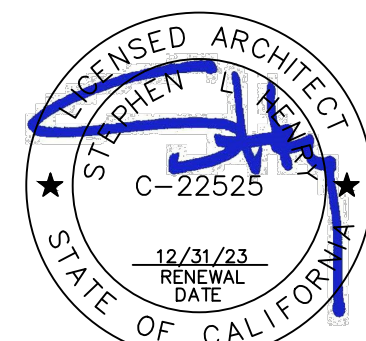
- | | |
|---------|--|
| 0600.D1 | PLASTIC LAMINATE CASEWORK |
| | 1. DISABLED ACCESSIBLE SINK BASE CABINET |
| | 2. PLASTIC LAMINATE COUNTERTOP WITH 4" BACKSPLASH WHERE SHOWN |
| | 3. EPOXY RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN |
| | 4. PHENOLIC RESIN COUNTERTOP WITH 6" BACKSPLASH WHERE SHOWN |
| | 5. REMOVABLE PLASTIC LAMINATE CLOSURE PANEL WITH SCRIBED CLOSURE TOP AT PENETRATIONS |

0700 THERMAL AND MOISTURE PROTECTION

- | | |
|---------|---|
| 0700.B1 | STANDING SEAM METAL ROOFING SYSTEM |
| 0700.B2 | SINGLE PLY MEMBRANE ROOFING SYSTEM |
| | 1. EXTEND ROOFING MEMBRANE UP AND OVER PARAPET WALL |
| | 2. ROOF WALK PAD |
| | 3. PARAPET WALL FLASHING |
| 0700.B3 | BUILT-UP ROOFING |
| 0700.B4 | MODIFIED BITUMEN ROOFING |
| 0700.B5 | FIBERGLASS-BASED ASPHALT SHINGLE ROOFING |
| 0700.B6 | WOOD SHAKE ROOFING |
| 0700.C1 | GALVANIZED SHEET METAL |
| | 1. TWO-PIECE REGLET FLASHING SYSTEM |
| | 2. PARAPET CAP FLASHING |
| | 3. VALLEY FLASHING |
| | 4. SPLASH PAN |
| | 5. SCUPPER |
| | 6. GUTTER |
| | 7. DOWNSPOUT |
| | 8. 22 GA GSM SIDING/SOFFIT |
| | 9. 22 GA GSM CORNER GUARD |
| | 10. 22 GA. GSM RIDGE FLASHING |
| 0700.C2 | VENT |
| | 1. ROOF VENT |
| | 2. PIPE VENT |
| | 3. HOT VENT |
| 0700.C3 | DUCT PENETRATION |

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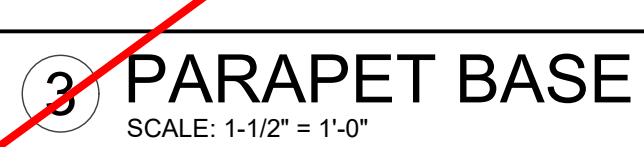
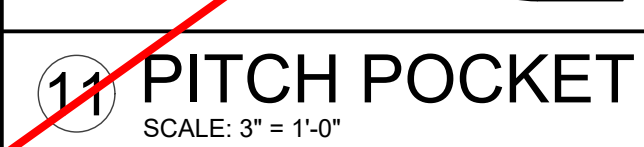
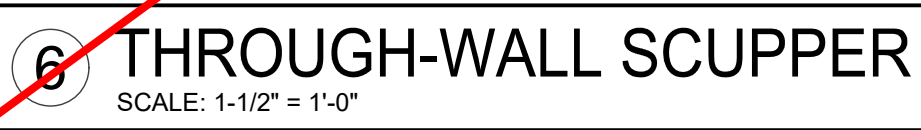
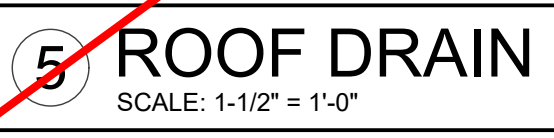
MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

INTERIOR ELEVATIONS - BUILDING A

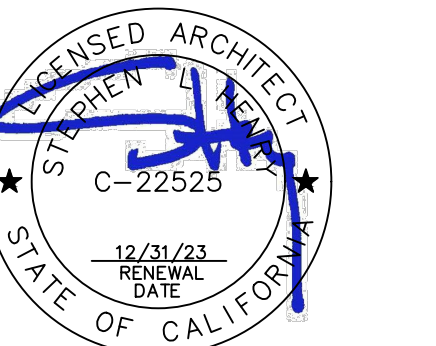
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ROOF DETAILS

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1 OF 131 SHEETS

ROUGH CARPENTRY-LAG SCREWS:

1. ALL SPECIFIED LAG SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1.
2. LEAD HOLES FOR LAG SCREWS SHALL BE BORED TO AVOID SPLITTING OF WOOD MEMBERS. THE LEAD HOLE FOR THE SHANK SHALL HAVE THE SAME DIAMETER AND LENGTH AS THE UNTHREADED SHANK. THE LEAD HOLE FOR THE THREADED PORTION SHALL NOT EXCEED 70% OF THE SHANK DIAMETER AND HAVE MIN LENGTH EQUAL TO THREADED PORTION.
3. LAG SCREWS SHALL BE INSTALLED BY TURNING OF THE LAG SCREW & NOT BY DRIVING OF A HAMMER.
4. SOAP OR OTHER LUBRICANT MAY BE USED ON THE LAG SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE LAG SCREW.
5. LAG SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, LAG SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
6. LAG SCREWS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER W/CORROSION PROTECTION TO MATCH THE LAG SCREW.
7. ALL LAG SCREWS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

WOOD FASTENERS-BOLTS:

1. ALL SPECIFIED BOLTS IN WOOD FRAMING SHALL CONFORM TO ANSI/ASME STANDARD B18.2.1, ASTM A307 OR F1554 GRADE 36, UNO.
2. HOLES SHALL BE A MIN OF 1/8" TO A MAX OF 1/4" GREATER THAN THE BOLT DIAMETER. HOLES SHALL BE ACCURATELY ALIGNED AND NOT FORCIBLY DRIVEN.
3. BOLTS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, BOLTS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS C OR TYPE 316 STAINLESS STEEL.
4. BOLTS SHALL BE INSTALLED WITH A STANDARD CUT WASHER OR PLATE WASHER AT HEAD AND NUT W/CORROSION PROTECTION TO MATCH THE BOLT.
5. ALL BOLTS & NUTS TO BE TIGHTENED DURING INSTALLATION & RE-TIGHTENED JUST PRIOR TO CLOSING IN.

ROUGH CARPENTRY-WALL FRAMING:

1. ALL WALLS SHALL HAVE CONT 2-2X TOP PLATES W/MIN LAPS PER 1/50.2 UNO, NO BORING OR NOTCHES ARE ALLOWED WITHIN SPLICE LOCATIONS. TOP PLATES SHALL BE LAPPED AT ALL CORNERS & INTERSECTIONS.
2. ALL STUDS SHALL BE 2X4 MIN @ 16"CC UNO, USE 2X6 FRAMING @ PLUMBING WALLS (FINGER JOINTED STUDS ARE NOT ALLOWED)
3. WALL FRAMING SHALL BE CONT BTWN BRACING LOCATIONS SUCH AS ROOF/FLOOR DIAPHRAGMS & FOUNDATION
4. STUDS/POSTS @ BRG WALLS, SHEARWALLS, AND EXTERIOR WALLS ARE TO BE BRACED FOR ENTIRE SPAN BY ONE OF THE FOLLOWING METHODS UNO:
 - A. 3/8" MIN THICKNESS PLY/OSB W/TYP FASTENER SPACING NOT TO EXCEED 12"CC
 - B. 1/2" MIN THICKNESS PLASTER W/WIRE LATH, ATTACH LATH W/TYP FASTENER SPACING NOT TO EXCEED 16"CC
 - C. 1/2" MIN THICKNESS GWB W/TYP FASTENER SPACING NOT TO EXCEED 7"CC
5. SEE 3/50.2 FOR BORING OF STUDS
 - A. WALLS LESS THAN 8'-0" LONG SHALL HAVE SINGLE PIECE SILL PLATE
 - B. ALL SILL PLATES SHALL HAVE A MINIMUM OF 2-ABS, HOLDOWN ABS DO NOT COUNT TOWARD THIS REQ'MT
 - C. ABS SHALL BE NO FARTHER THAN 12" & NO CLOSER THAN 7 BOLT DIAMETERS OR 4" FROM ENDS OF SILL PLATE

ROUGH CARPENTRY-HARDWARE:

1. ALL STEEL CONNECTORS, STRAPS, HANGERS, HARDWARE, ETC SHALL BE BY SIMPSON STRONG-TIE OR APPROVED EQUAL UNO. ATTACH W/FASTENERS PER MFR TO ACHIEVE THE MAXIMUM TABULATED VALUE.
2. HARDWARE COMPONENTS AND FASTENERS INSTALLED AGAINST OR INTO TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, ALL HARDWARE AND FASTENERS INTO/AGAINST TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED (G185 MIN FOR HARDWARE) OR STAINLESS STEEL.
3. INSTALL ALL SPECIFIED FASTENERS BEFORE LOADING THE CONNECTION.
4. NAILS FOR HARDWARE SHALL NOT BE OVERDRIVEN OR DEFORM THE PART. THE CONTRACTOR SHALL VERIFY WITH THE HARDWARE MFR THAT THE PART PUBLISHED CAPACITIES ARE NOT REDUCED AS A RESULT OF THE INSTALLED CONDITION.
5. FASTENER SUBSTITUTIONS FOR HARDWARE ARE NOT ALLOWED UNLESS APPROVED FOR USE BY THE MFR AND THE HARDWARE CAPACITY IS NOT REDUCED.
6. WASHERS AT WOOD CONNECTIONS SHALL BE SQUARE PLATE STEEL OR MALLEABLE IRON W/THE FOLLOWING MIN DIMENSIONS:

FASTENER DIAMETER	MIN WASHER DIMENSIONS	MIN THICKNESS
1/2"	2" x 2"	3/16"
3/8"	2 1/2" x 2 1/2"	1/4"
5/8"	2 3/4" x 2 3/4"	3/8"
1"	3" x 3"	1/2"
1 1/4"	3 1/2" x 3 1/2"	3/4"

ROUGH CARPENTRY-MATERIALS:

1. ALL SAWN LUMBER SHALL BE DOUG FIR UNO AND HAVE MOISTURE CONTENT NOT TO EXCEED 19% AT TIME OF INSTALLATION. EACH PIECE SHALL BEAR THE STAMP OF WCLIB OR WPPA SHOWING GRADE MARK.
2. ALL COMPOSITE WOOD PRODUCTS (IE LVL, LSL, GLULAM, ETC) SHALL BE PROTECTED FROM EXPOSURE AND EXCESSIVE MOISTURE IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS. MOISTURE CONTENT OF 16% PRIOR TO MEMBERS BEING WRAPPED OR ENCLOSED.
3. ALL SAWN LUMBER TO BE SPECIES & GRADE AS NOTED BELOW:

MEMBER	SPECIES & GRADE
2x_ & 3x STUDS	#2 DF
2x JOISTS, PLATES	#1 DF
4x_ HEADERS	#1 DF
4x_ COLUMNS	#1 DF
6x_ & LARGER HEADERS	SS DF
6x_ & LARGER COLUMNS	SS DF

- A. MATERIAL EXPOSED TO WEATHER OR IN CONTACT W/CONCRETE SHALL BE PRESSURE TREATED
 - B. OPTIONAL FOR EXPOSED 8X_ BEAMS & POSTS TO BE #1AC IN LIEU OF TREATED DF
 - C. STUDS TALLER THAN 12'-0" SHALL BE #1DF
4. PRESERVATIVE TREATED & PRESSURE TREATED LUMBER
 - A. SAWN LUMBER TO BE PROTECTED FROM EARTH, WEATHER, EARTH, & CONCRETE/CMU OR WOOD SHALL BE TREATED
 - B. PRESERVATIVE TREATMENT & CLEARANCES TO SOIL OR CONCRETE SHALL BE PER CBC 2303.1.9 & 2304.12.1.2
 - C. FIELD CUTS & HOLES IN TREATED LUMBER SHALL BE PROTECTED IN ACCORDANCE W/AWPA STANDARD M4
 - D. CONTRACTOR TO COORDINATE WITH TREATED WOOD SUPPLIER TO DETERMINE THE APPROPRIATE LEVEL OF CORROSION PROTECTION FOR HARDWARE & FASTENERS IN CONTACT WITH WOOD TREATED WITH CORROSIVE CHEMICALS.
 5. ALL WOOD PANEL STRUCTURAL SHEATHING SHALL BE STAMPED W/APA TRADEMARK AND CONFORM TO MOST CURRENT EDITION OF PS-1 OR PS-2. USE THICKNESS AND NAILING AS SHOWN ON DRAWINGS. SHEATHING SHALL HAVE EXPOSURE RATINGS AS APPROPRIATE FOR ON-SITE EXPOSURE CONDITIONS DURING CONSTRUCTION AND IN FINAL CONDITION. EQUIVALENT OSB SHALL BE USED IN LIEU OF PLYWOOD. PROVIDE PLYWOOD AT ALL EXPOSED EAVE CONDITIONS.

ROUGH CARPENTRY-NAILS:

1. ALL SPECIFIED NAILS SHALL CONFORM TO ASTM F1667 OR ICC ESR-1539. ALTERNATE FASTENERS MAY BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. ALL NAILS SHALL BE FULL ROUND HEAD WITH MINIMUM PROPERTIES AS FOLLOWS:

SPECIFIED FASTENER	DIAMETER	LENGTH	PENETRATION	APPLICATION
8d	.131"Ø	2 1/2"	1 3/4"	SHTG/FRMG
10d	.148"Ø	3"	1 1/2"	SHTG/FRMG
16d BOX	.135"Ø	3 3/4"	1 3/4"	FRMG
16d SINKER	.148"Ø	3 3/4"	1 1/2"	FRMG
16d COMMON	.162"Ø	3 3/2"	1 3/8"	FRMG

- ALL NAILS SHALL BE COMMON WIRE NAILS EXCEPT WHERE SPECIFICALLY NOTED
- A. NAILS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD. PREDRILL ALL FASTENERS 75% MAX OF FASTENER DIAMETER WHERE WOOD TENDS TO SPLIT.
 3. TOENAILS SHALL BE DRIVEN AT AN ANGLE OF APPROX 30° WITH THE MEMBER AND STARTED APPROX 1/2 THE LENGTH OF THE NAIL FROM THE MEMBER END.
 4. NAILS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
 5. MINIMUM NAILING SHALL BE PER CBC TABLE 2304.10.1 UNO:

Description	Nailing
1. Blg blown c/g joints, rafters or trusses to top plate or other framing blw	3-8d toe nail, ea end
2. Blg blown rafters or truss not at the wall top plate, to rafter or truss	2-8d toe nail or 2-16d end nail, ea end
3. Flat blg to truss & web floor	1-8d toe nail @ 16"cc
4. C/g joint to top plate	3-8d toe nail ea joint
5. C/g joint not attached to parallel rafter, lap w/partitions (no thrust)	3-16d face nail
6. C/g joint attached to parallel rafter, lap w/partitions (w/thrust)	CBC Table 2308.7.3.1
7. Collar tie to rafter	3-16d face nail
8. Rafter or truss to top plate (see CBC section 2308.7.3.1, Table 2308.7.3.1)	3-16d toe nail
9. Rafter to ridge, valley or top rafter, or rafter to 2" ridge	3-16d toenail or 2-16d end nail
10. Stud to stud (not @ braced wall panels)	16d @ 24"cc face nail
11. Stud to stud and shuffling studs at intersecting wall corners (braced wall panels)	16d @ 16"cc face nail
12. Built up header 2" to 2 1/2" (header)	16d @ 16"cc face nail
13. Cont header to stud	1-8d toe nail
14. Top plate to top plate	16d @ 16"cc face nail
15. Top plate to top plate, at end joints	16d @ 16"cc face nail
16. Bot plate to joint, rim, band joint or blg foot @ braced wall panels	8-16d on side of end joint face nail (24" min top plate ea end)
17. Bot plate to joint, rim, band joint or blg (not @ braced wall panels)	1-16d @ 16"cc
18. Stud to top or bot plate	4-8d toe nail
19. Top or bot plate to stud	2-16d end nail
20. Top plates, lap at corners & intersections	2-16d face nail
21. 1" brace to ea stud & plate	2-8d face nail
22. 1x6 sheathing to sub bearing	2-8d face nail
23. 1x8 or wider sheathing to sub bearing	3-8d face nail
24. Joint to sill, top plate or girder	2-8d face nail
25. Rim joint, band joint, or blg to top plate, sill, or other framing blw	8d @ 16"cc toe nail
26. 1x6 sub floor or truss to ea joist	2-8d face nail
27. 1x6 sub floor to joist or girder	2-16d face nail
28. 2" planks w/ bearing joists & beams, floor & roof	2-16d face nail
29. Built up girders & beams, 2" lumber layers	16d @ 24"cc face nail at top & bot, stagger on opposite sides
30. Ledger strip supporting joists or rafters	3-16d ea joist or rafter face nail
31. Joist to band joist or rim joist	3-16d end nail
32. Bridging or blg to joist, rafter or truss	2-8d toe nail ea end

6. NAILS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, NAILS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.
7. SHEATHING NAILS SHALL BE DRIVEN SO THAT THEIR HEAD OR CROWN ARE FLUSH WITH THE SURFACE OF THE SHEATHING.

ROUGH CARPENTRY-WOOD SCREWS:

1. ALL SPECIFIED WOOD SCREWS SHALL CONFORM TO ANSI/ASME STANDARD B18.6.1. ALTERNATE WOOD SCREWS MUST HAVE AN ICC EVALUATION REPORT AND MAY NOT BE USED UNLESS APPROVED IN WRITING BY RW CONSULTING ENGINEERS. END DISTANCE, EDGE DISTANCE, & SPCG OF ALTERNATE WOOD SCREWS MUST CONFORM TO THE MFR ICC EVALUATION REPORT.
2. WOOD SCREWS SHALL BE LOCATED AND SPACED TO PREVENT SPLITTING OF WOOD, PRE-DRILL LEAD HOLES AS REQ'D. LEAD HOLES SHALL NOT EXCEED THE SMALLEST OF 1/4" OF THE SHANK DIAMETER AND 1/4" OF THE ROOT DIAMETER AT THREADED PORTIONS.
3. WOOD SCREWS USED IN HARDWARE SHALL BE AS SPECIFIED BY HARDWARE MFR.
4. WOOD SCREWS SHALL BE INSTALLED BY TURNING OF THE SCREW & NOT BY DRIVING OF A HAMMER.
5. SOAP OR OTHER LUBRICANT MAY BE USED ON THE WOOD SCREW OR IN THE LEAD HOLE AS REQ'D TO PREVENT DAMAGE TO THE WOOD SCREW.
6. WOOD SCREWS INSTALLED IN TREATED LUMBER SHALL HAVE CORROSION PROTECTION APPROPRIATE FOR THE TYPE OF CHEMICALS USED IN THE TREATMENT PROCESS. AS A MINIMUM, WOOD SCREWS INTO TREATED LUMBER OR IN EXTERIOR APPLICATIONS SHALL BE HOT-DIPPED GALVANIZED PER ASTM A153 CLASS D OR TYPE 316 STAINLESS STEEL.

CONCRETE NOTES:

1. ALL CONCRETE SHALL BE NORMAL WEIGHT PER ACI 301 AND HAVE PROPORTIONS OF CEMENT, COARSE AND FINE AGGREGATE, WATER AND ADMIXTURES TO PRODUCE THE PROPERTIES SPECIFIED FOR EACH CONCRETE MIX TYPE PER ACI 301 ON THE BASIS OF PREVIOUS FIELD EXPERIENCE AND SUPPORTED BY PREVIOUS TEST RECORDS.
2. CONCRETE SHALL HAVE THE FOLLOWING MINIMUM PROPERTIES. REFER TO PROJECT SPECIFICATIONS (WHERE APPLICABLE) FOR ADDITIONAL REQUIREMENTS.

CLASS	APPLICATION	STRENGTH f'c (psi)	MAX W/C Ratio
CLASS A OR B	EXTERIOR CONCRETE (SEE PROJECT SPEC BOOK)	3,500	0.50
TEST CONCRETE STRENGTH PER 2019 CBC CH. 17A			

- A. THE APPROVED PROPORTIONS SHALL BE CAREFULLY MAINTAINED. NO DEVIATION FROM THE APPROVED PROPORTIONS SHALL BE MADE WITHOUT WRITTEN APPROVAL BY ENGINEER.
 - B. USE ADMIXTURES IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS. USE WATER-REDUCING ADMIXTURE THAT WILL NOT RESULT IN SEGREGATION, HONEYCOMBING, OR ROCK POCKETS.
 - C. ANY OF THE ABOVE MIXES CAN BE USED FLOWABLE (8" MAX SLUMP) IF THE PROPER ADDITION OF ADMIXTURES IS INCLUDED AND THE WATER TO CEMENT RATIO IS NOT INCREASED.
 - D. CEMENT PER ASTM C-150 TYPE I OR II FLY ASH PER ASTM C-618 CLASS N OR CLASS F UP TO 20% OF PORTLAND CEMENT MAY BE SUBSTITUTED WITH FLY ASH
 - E. COARSE AND FINE AGGREGATES PER ASTM C-33
 - F. ADMIXTURES AND DOSAGES WILL VARY WITH CLIMATE AND JOB SITE REQUIREMENTS. CONTRACTOR IS RESPONSIBLE FOR PROVIDING MIX DESIGN SUITABLE FOR JOB SITE CONDITIONS. ADMIXTURES CONTAINING CHLORIDES ARE NOT PERMITTED.
3. ALL DEBRIS SHALL BE REMOVED FROM FORMS AND FOOTING EXCAVATIONS PRIOR TO POURING CONCRETE. NO WOOD STAKES OR FORM SPREADERS SHALL BE PERMITTED IN CONCRETE.
 4. BALL REINFORCEMENT, ANCHOR BOLTS, AND OTHER EMBEDDED ITEMS SHALL BE SECURED IN POSITION SHOWN ON DRAWINGS PRIOR TO PLACING CONCRETE.
 5. CONCRETE SHALL BE CONSOLIDATED BY MECHANICAL VIBRATION PER ACI 309 BY MEANS SUITABLE FOR ON SITE CONDITIONS. USE HAND RODDING OR TAMPING AS REQUIRED.
 6. CONSTRUCTION JOINTS SHALL HAVE ALL LOOSE MATERIAL REMOVED AND SHALL BE INTENTIONALLY ROUGHENED TO 1/4" AMPLITUDE PRIOR TO POURING CONCRETE. CONTRACTOR SHALL SUBMIT CONSTRUCTION JOINT LOCATIONS TO ENGINEER FOR APPROVAL PRIOR TO CONSTRUCTION.
 7. ALL FORMWORK TO REMAIN IN PLACE FOR DURATION AS REQUIRED BY LATEST EDITION OF ACI 318
 8. REFER TO ACI RECOMMENDATIONS FOR PLACING AND CURING CONCRETE IN COLD AND HOT WEATHER CONDITIONS. CONTRACTOR IS RESPONSIBLE FOR COORDINATING CONCRETE MIX DESIGN WITH BATCH PLANT TO PROVIDE CONCRETE MIX APPROPRIATE FOR SITE CONDITIONS.
 9. CONTRACTOR IS RESPONSIBLE FOR DETERMINING AND IMPLEMENTING APPROPRIATE CURING PROCEDURES FOR ACTUAL SITE/WEATHER CONDITIONS AND SHALL INCLUDE PROVISIONS FOR INCLEMENT WEATHER. REFER TO ACI 308R.
 10. ALL SLABS SHALL BE FLAT AND LEVEL W/A TOLERANCE OF 1/8" IN 10' FOR FLATNESS AND MINIMUM LOCAL VALUE F = 32 PER ASTM 1155. THE PROJECT OWNER MAY REJECT ANY CONSTRUCTION THAT DOES NOT MEET THE FLATNESS CRITERIA NOTED WITH REPLACEMENT AT CONTRACTOR'S EXPENSE.
 11. CONDUITS AND PIPES EMBEDDED IN THE SLAB (OTHER THAN THOSE PASSING VERTICALLY THROUGH) SHALL NOT BE PERMITTED. CONTRACTOR TO SUBMIT FOOTING PENETRATIONS TO STRUCTURAL ENGINEER FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION.

CONCRETE REINFORCEMENT NOTES:

1. DETAIL, FABRICATE, AND PLACE REINFORCING PER ACI 315 AND ACI 318. SUPPORT REINFORCEMENT W/APPROVED CHAIRS, SPACERS, OR TIES.
2. REINFORCEMENT SHALL BE DEFORMED BILLET STEEL PER ASTM A-615, GRADE 60. ALL REINFORCEMENT AT BOUNDARY ELEMENTS AND REINFORCEMENT TO BE WELDED SHALL BE ASTM A-706, GRADE 60.
3. ALL BENDING OF REINFORCEMENT PER ACI. FIELD BENDING OF REINFORCEMENT SHALL NOT BE PERMITTED.
4. REINFORCEMENT IN WALLS, SLABS, BEAMS AND FOOTINGS SHALL BE CONTINUOUS AROUND CORNERS OR CORNER BARS PROVIDED.
5. LAP ALL REINFORCEMENT 48DB FOR #6 AND SMALLER BARS, 60DB FOR #7 AND LARGER BARS. INCREASE LAP LENGTH 30% WHERE MORE THAN 12" OF FRESH CONCRETE IS POURED UNDER REINFORCEMENT.
6. TRIM REINFORCING AROUND OPENINGS SHALL BE A MINIMUM 2-#5 TOP AND BOTTOM EXTENDING 40" BEYOND OPENING AT EACH CORNER. PROVIDE 90° HOOK AT CORNERS WHERE STRAIGHT EMBEDMENT NOT POSSIBLE.
7. REINFORCING SHALL BE TIED IN PLACE. TACK WELDING OF REINFORCING IS NOT PERMITTED.
8. CONTRACTOR TO TAKE NECESSARY PRECAUTIONS TO INSURE CONCRETE IS PROPERLY CONSOLIDATED AROUND ALL BOLTS, ANCHORAGES, ETC.
9. WHERE REINFORCING IS NOT SPECIFIED, REFER TO ACI 318 FOR MINIMUM REINFORCEMENT.
10. WELDED WIRE FABRIC PER ASTM A-185 AND ASTM A-496.
12. PROVIDE MINIMUM COVER FOR ALL REINFORCING AS FOLLOWS:

APPLICATION	COVER
CONCRETE CAST AGAINST EARTH	3"
CONCRETE EXPOSED TO EARTH OR WEATHER: #5 AND SMALLER	1 1/2"
#6 AND LARGER	2"
CONCRETE NOT EXPOSED TO EARTH OR WEATHER: SLABS AND WALLS	3/4"
BEAMS AND COLUMNS	1 1/2"

13. STAGGER LAPS IN ADJACENT BARS 6'-0" MINIMUM
14. PROVIDE FOOTING DOVELLS TO MATCH SIZE AND SPACING OF VERTICAL REINFORCEMENT UNO.
15. ALL REINFORCING TO BE WELDED SHALL BE ASTM A-706 AND CONTINUOUSLY INSPECTED AND PERFORMED PER AWS STANDARDS.
16. REINFORCING WHICH IS TO BE DOWELED INTO EXISTING CONCRETE SHALL BE INSTALLED W/SIMPSON AT-XP PER IAPMO ER-263 UNO

DESIGN CRITERIA:

1. PROJECT ADDRESS: 1600 WEST TOKAY STREET LODI, CA 95242
2. BUILDING CODE: 2019 CALIFORNIA BUILDING CODE
3. GRAVITY LOADS: (ESTIMATES OF AS-BUILT CONDITIONS)
BUILDING ROOFS
ROOF LIVE LOAD = 20 PSF (REDUCIBLE)
ROOF DEAD LOAD = 20 PSF
WALL WEIGHTS
EXTERIOR WALLS = 15 PSF
INTERIOR WALLS = 10 PSF
4. LATERAL LOADS: RISK CATEGORY III
WIND LOADS (ASCE 7-16)
BASIC WIND SPEED 100 MPH (77 MPH ASD)
EXPOSURE C
BUILDINGS ARE CONSIDERED "ENCLOSED"
PRESSURE COEFFICIENTS
INTERNAL PRESSURE COEFFICIENT, GCp = +0.18
TOPOGRAPHIC FACTOR, Kzt = 1.00
WIND DIRECTIONALITY FACTOR, Kd = 0.85
VELOCITY PRESSURES
q (0'-15') = 11.0 PSF (ASD)
q (15'-20') = 11.6 PSF (ASD)
SEISMIC LOADS (ASCE 7-16)
SITE CLASS D
SEISMIC DESIGN CATEGORY D
IMPORTANCE FACTOR 1.25
REDUNDANCY, ρ 1.0
Ss = 0.629 S1 = 0.261
Fi = 1.297 Fi = 2.078
Sms = 0.816 Sml = 0.542
Sps = 0.544 Spt = 0.362

INSPECTION NOTES:

1. ALL TESTS AND INSPECTIONS ARE TO BE PROVIDED BY A QUALIFIED TESTING LAB OF RECORD, HIRED BY THE DISTRICT (T-24 PART 1, 4-335).
2. ALL TESTS AND INSPECTIONS SHALL CONFORM TO CHAPTER 17A OF THE 2019 CBC AND THE PROJECT SPECIFIC DSA-103.
3. ALL SPECIAL INSPECTORS SHALL HAVE A MINIMUM OF THREE YEARS OF EXPERIENCE WITH MATERIAL BEING INSPECTED.

FOUNDATION NOTES:

1. FOUNDATIONS ARE DESIGNED WITH A MINIMUM PRESUMPTIVE SOIL BEARING PRESSURE OF 1,500 PSF PER 2019 CBC TABLE 1806A.2.
2. FOOTINGS SHALL BEAR ON FIRM, DRY, UNDISTURBED NATIVE SOILS.
3. FOOTING DEPTHS INDICATED ON PLANS ARE MINIMUMS. AREAS OF OVER-EXCAVATION SHALL BE BACKFILLED WITH COMPACTED FILL PER THE SOILS REPORT OR WITH LEAN CONCRETE HAVING A MINIMUM 28-DAY STRENGTH OF 1,500 PSI.
4. FOOTINGS MAY BE OVER-EXCAVATED AT CONTRACTOR'S OPTION FOR PLACEMENT OF LEAN MIX CONCRETE TO FACILITATE THE REMOVAL OF DEBRIS AND STANDING WATER.
5. ALL FOOTINGS NOT FORMED SHALL BE POURED IN NEAT EXCAVATIONS. BOTTOMS OF EXCAVATIONS SHALL BE LEVEL, WITH CHANGES IN ELEVATION ONLY AS NOTED IN THESE DRAWINGS.
6. SEOR SHALL BE NOTIFIED IMMEDIATELY WHERE JOB SITE CONDITIONS ARE DIFFERENT THAN THOSE SHOWN ON CONTRACT DRAWINGS.
7. SEOR SHALL BE NOTIFIED A MINIMUM OF 48-HOURS PRIOR TO THE PLACING OF CONCRETE SLABS AND FOUNDATIONS.

STRUCTURAL SHEET INDEX:

- GENERAL NOTES
GENERAL NOTES & TYPICAL DETAILS
STRUCTURAL BUILDING PLANS - FULL SITE
~~S2.1.1 STRUCTURAL FOUNDATION PLAN & DETAILS - BUILDING F~~
~~S2.2.1 STRUCTURAL ROOF FRAMING PLAN & DETAILS - BUILDING F~~
S2.3 TRASH ENCLOSURE PLANS & DETAILS
S3.1 ENLARGED PARTIAL BUILDING PLANS
S4.1 DETAILS
S4.2 DETAILS

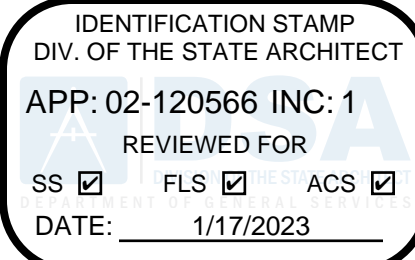
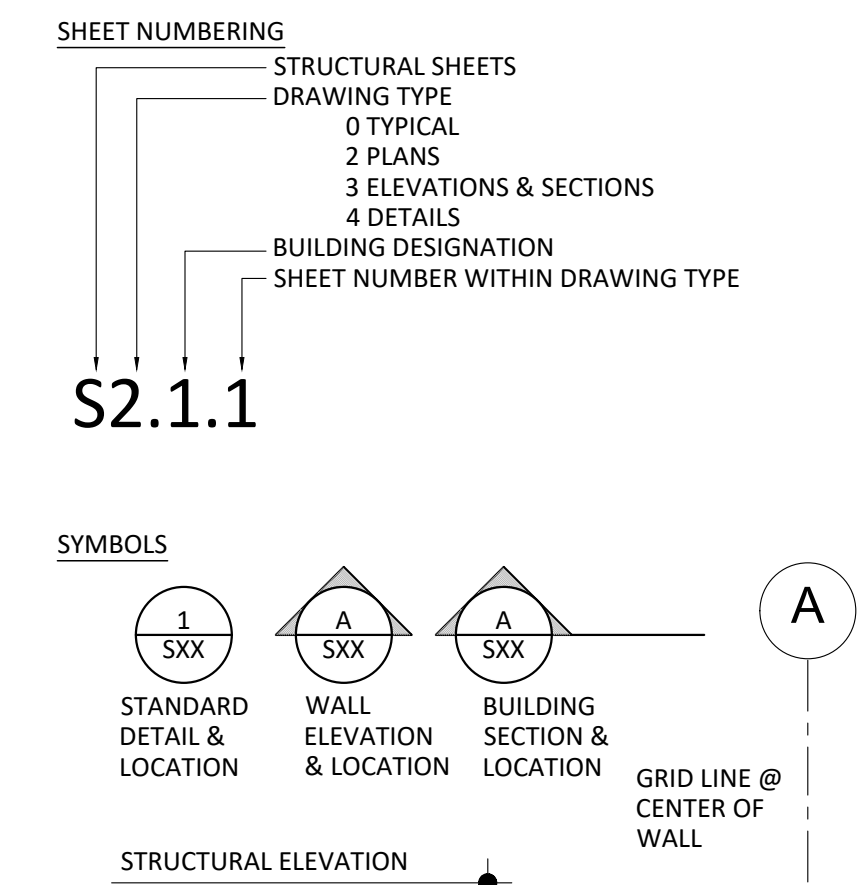
ABBREVIATIONS:

@	AT	LS	LAG SCREW
AB	ANCHOR BOLT	LSL	LAMINATED STRAND LUMBER
approx	APPROXIMATE	LVL	LAMINATED VENEER LUMBER
Arch	ARCHITECT/URAL	MAX	MAXIMUM
BC	BOTTOM CHORD	MIN	MINIMUM
BLK	BLOCK OR BLOCKING	(N)	NEV
BO	BOTTOM OF	#	NUMBER
cbc	CALIFORNIA BUILDING CODE	NTS	NOT TO SCALE
on	ON CENTER	OD	OUTSIDE DIAMETER
CIP	CAST IN PLACE	OH	OPPOSITE HAND
Ø	DIAMETER	OV	OVER
PL	CENTER LINE	PL	PLATE
CMU	CONCRETE MASONRY UNIT	PT	PRESSURE TREATED
CONC	CONCRETE	REIN	REINFORCEMENT
CONT	CONTINUOUS	SIM	SIMILAR
DF	DOUGLAS FIR	SP	STRUCTURAL PANEL
Ø	DIAMETER	SW	SHEAR WALL
DL	DEAD LOAD	T&B	TOP AND BOTTOM
DR	DRAG TRUSS	T&G	TONGUE AND GROOVE
(E)	EXISTING	thru	THROUGH
EN	EDGE NAIL	TN	TOE NAIL
EOR	ENGINEER OF RECORD	TOS	TOP OF STEEL
FDN	FOUNDATION	TYP	TYPICAL
FF	FINISH FLOOR	UNO	UNLESS NOTED OTHERWISE
FACE	FACE OF	W/O	WITHOUT
ft	FOOT/FEET	V/F	VERIFY IN FIELD
FTG	FOOTING	W/C	WITH
FRMG	FRAMING	WWF	WELDED WIRE FABRIC
GLB	GLUE LAMINATED BEAM		
HD	HOLD DOWN		
HGD	HOT-DIPPED GALVANIZED		
HDR	HEADER		

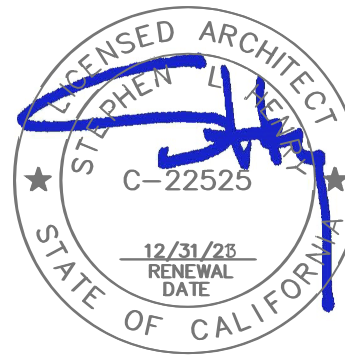
GENERAL NOTES:

1. ALL NEW WORK SHALL CONFORM TO TITLE 24 2019 EDITIONS WITH AMENDMENTS AND ALL OTHER APPLICABLE CODES AND REGULATIONS.
2. THIS SET OF STRUCTURAL DRAWINGS IS APPLICABLE ONLY TO THE LISTED PROJECT AND SITE LOCATION.
3. NOTES ON THIS SHEET ARE TYPICAL AND SHALL APPLY UNLESS OTHERWISE NOTED OR SHOWN. TYPICAL DETAILS SHALL APPLY FOR ALL LIKE CONDITIONS UNLESS OTHERWISE NOTED OR DETAILED.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS, ELEVATIONS, EXISTING CONDITIONS, AND OTHER RELATED ITEMS. THE CONTRACTOR SHALL REVIEW THE CONTRACT DOCUMENTS PRIOR TO CONSTRUCTION AND SHALL NOTIFY THE ENGINEER OF RECORD IF ANY CONFLICTS ARE SHOWN OR NOTED.
5. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFORM TO RELEVANT SECTIONS OF THE CALIFORNIA "CONSTRUCTION SAFETY ORDERS" AND ALL OSHA REQUIREMENTS. THE ENGINEER OF RECORD ACCEPTS NO RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY W/ THESE REQUIREMENTS.
6. STRUCTURAL DRAWINGS REPRESENT THE FINISHED STRUCTURE, AND DO NOT INDICATE THE MEANS OR METHODS OF CONSTRUCTION. DESIGN AND CONSTRUCTION OF ALL TEMPORARY BRACING, SHORING, FORMING, ETC REQUIRED SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
7. A COPY OF TITLE 24 CCR PARTS 1 -5 SHALL BE KEPT ON SITE AT ALL TIMES (T-24 PART 1, 4-317(c)).
8. ALL CHANGES TO THE ACCESSIBILITY, FIRE AND LIFE SAFETY, AND STRUCTURAL PORTIONS OF THE APPROVED DRAWINGS SHALL BE MADE BY A CONSTRUCTION CHANGE DOCUMENT (CCD). ALL SUCH CHANGES BY CCD ARE TO BE SIGNED BY THE SEOR, THE OWNER, AND APPROVED BY DSA. CHANGES BY CCD ARE NOT VALID UNTIL APPROVED BY DSA (T-24, PART 1, 4-338).
9. A PROJECT INSPECTOR (INSPECTOR OF RECORD, IOR) EMPLOYED BY THE OWNER/DISTRICT AND CERTIFIED BY DSA SHALL PROVIDE CONTINUOUS INSPECTION OF THE WORK
10. THE STRUCTURAL ENGINEER SHALL PERFORM DUTIES PER T-24 PART 1, 4-333(a) AND 4-341. THE CONTRACTOR SHALL PERFORM DUTIES PER 4-343. THE IOR SHALL PERFORM DUTIES PER T-24 PART 1, 4-342.

DRAWING STANDARDS:



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

GENERAL NOTES

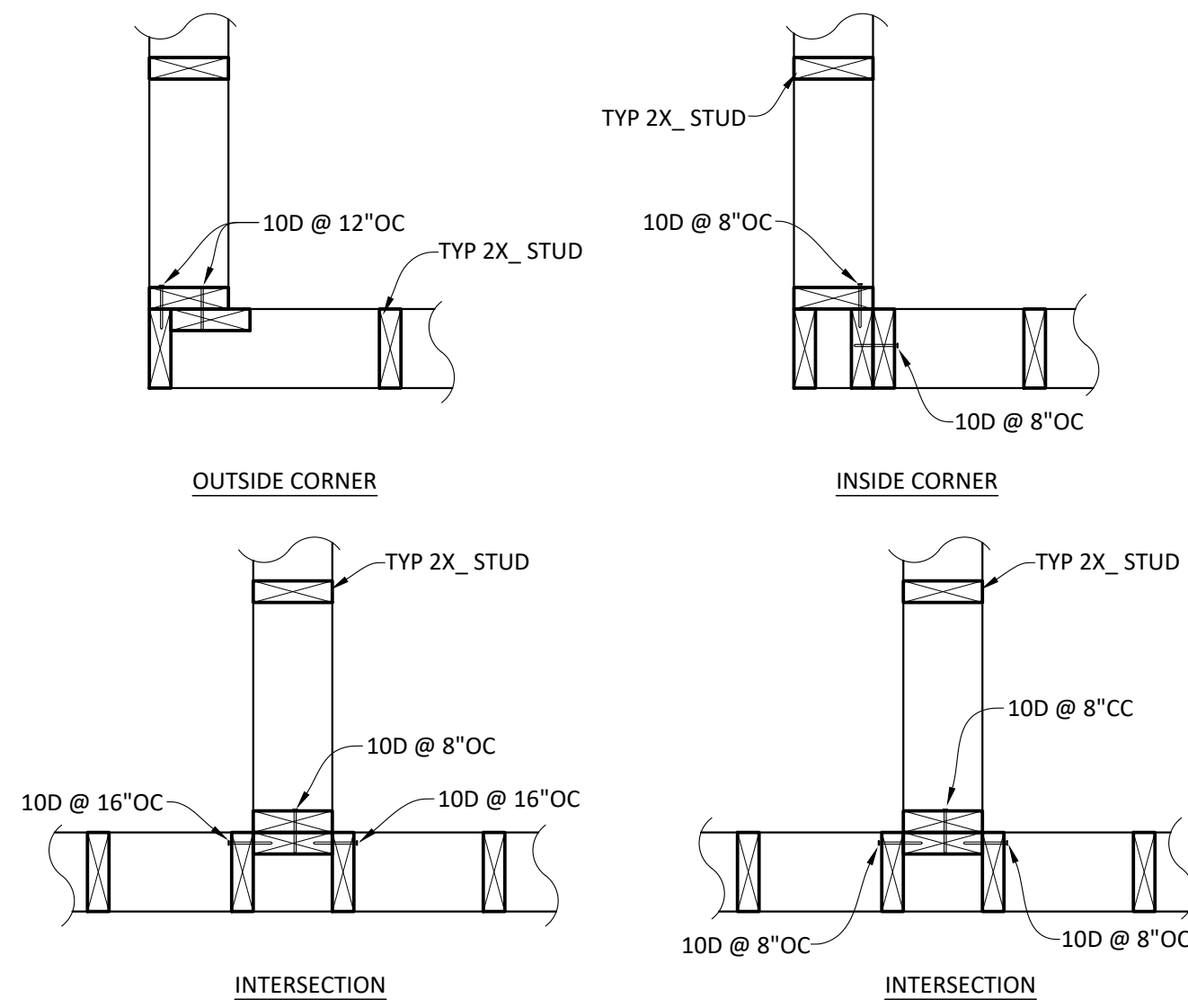
RW CONSULTING
Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910



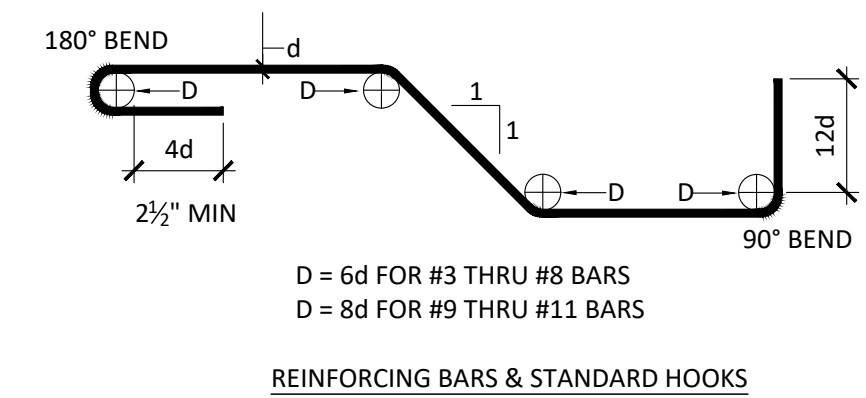
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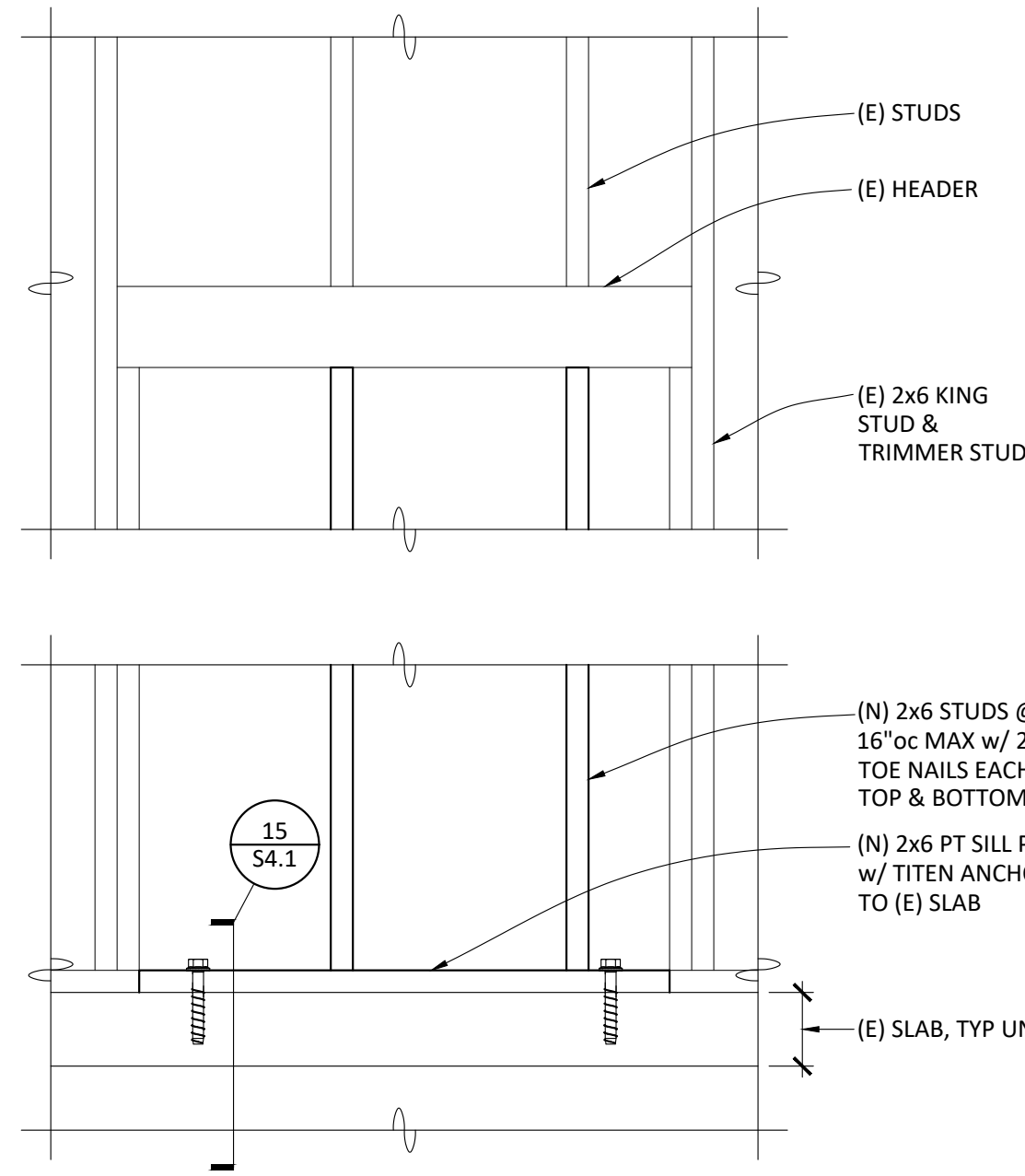
WALL INTERSECTIONS (4)



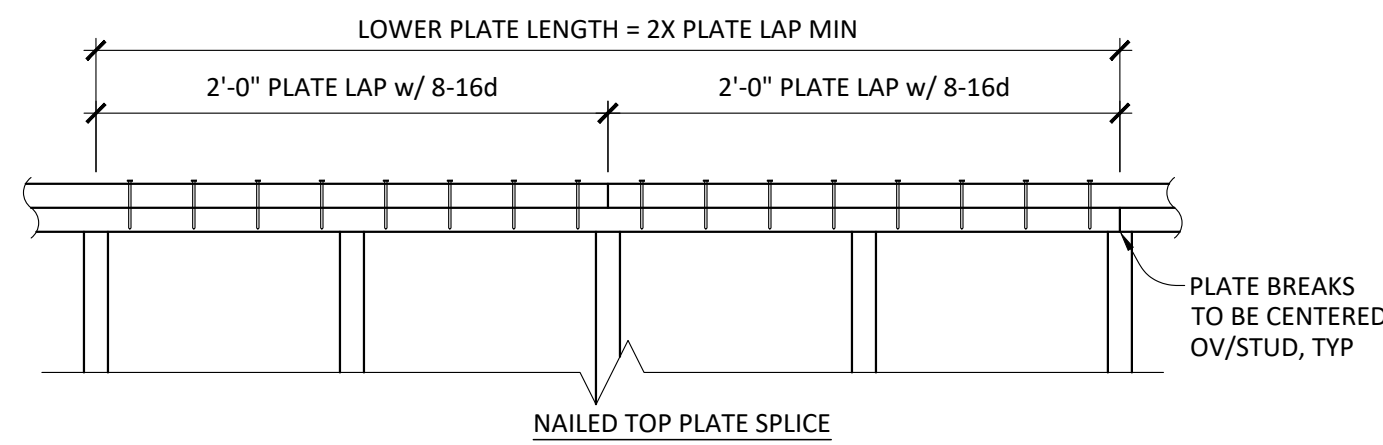
NOTES:

- THE ABOVE DETAILS ARE PROVIDED TO SPECIFY STAND REBAR BENDS AND BEND EXTENSIONS, TYP UNO.
- ALL REBAR PLACEMENT IS TO BE AS SHOWN IN PROJECT DETAILS. SEE 'CONCRETE REINFORCEMENT NOTES' ON S0.1.
- NOT ALL CONDITIONS SHOWN ABOVE WILL APPLY TO THIS PROJECT.

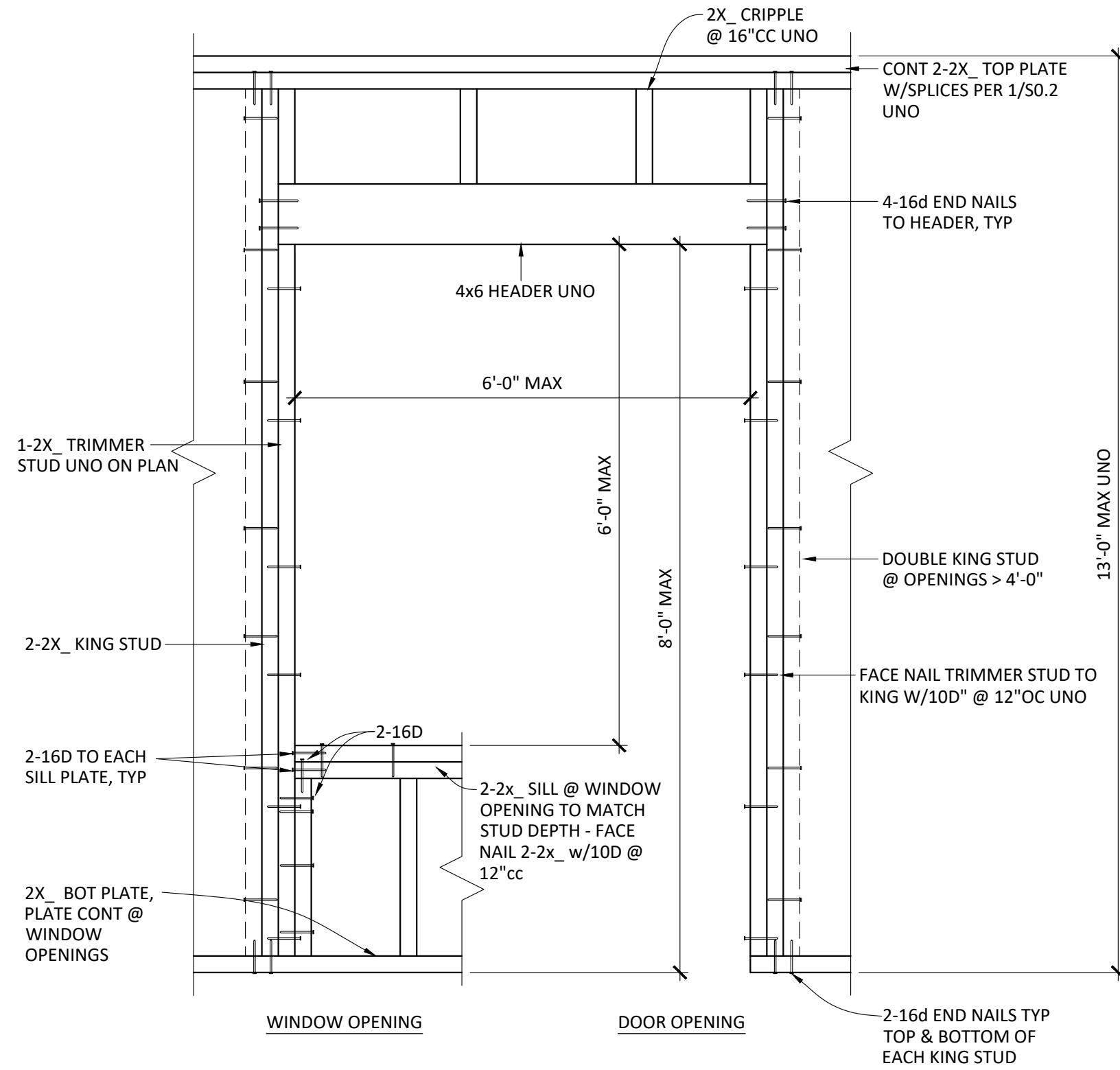
STANDARD REBAR BENDS (5)



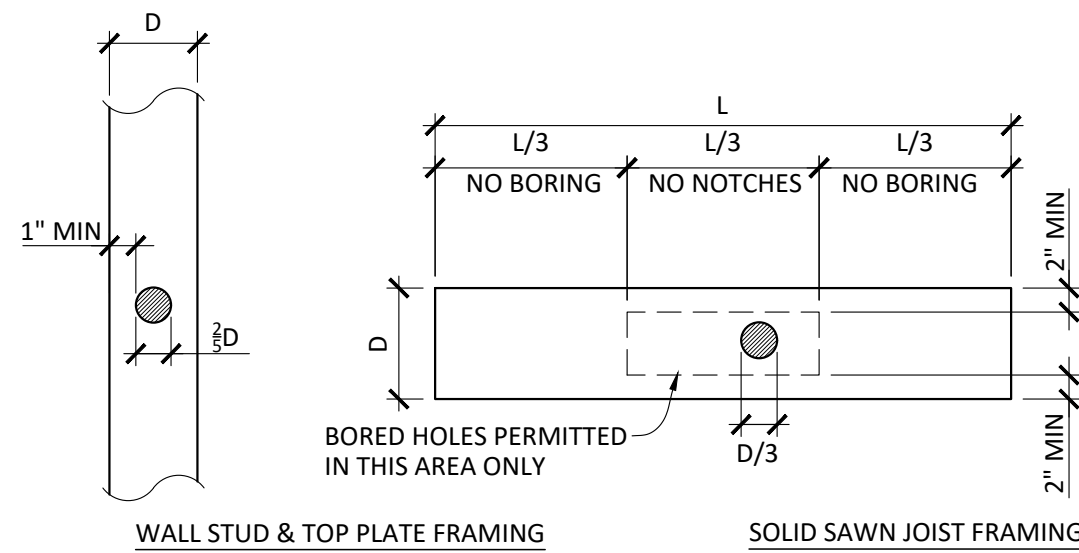
OPENING INFILL (6)



TOP PLATE SPLICE (1)



INTERIOR WALL OPENING (2)



NOTES:

- HOLES IN WALL STUDS MAY BE BORED UP TO 3/8" DIAMETER PROVIDED STUDS ARE DOUBLED & HOLES ARE CENTERED IN STUD WIDTH.
- BORING SHOWN SHALL NOT BE USED AT BEAMS OR POSTS. CONSULT AOR.
- NOTCHING IS NOT PERMITTED.
- CLEAR SPCG BTWN BORED HOLES SHALL BE 12" MIN.
- HOLES IN TOP PLATES SHALL NOT BE LOCATED WITHIN TOP PLATE SPLICE ZONE
- WHERE TOP PLATE PENETRATIONS EXCEED LIMITS SHOWN, PROVIDE CTS219 EACH SIDE OF BOTH TOP PLATES & ATTACH W/SD #9X1 1/2" SCREWS

THIS DETAIL APPLIES TO INTERIOR NON-STRUCTURAL WALLS AND CEILING JOISTS ONLY. FOR ALL OTHER CONDITIONS, CONTACT SEOR PRIOR TO PROCEEDING WITH BORING ANY HOLES

BORING (3)

POST INSTALLED ANCHOR NOTES:

- ALL POST INSTALLED ANCHORS ARE TO BE INSTALLED PER MANUFACTURER FOR EACH ANCHOR AND PER THE ICC REPORTS LISTED BELOW.
- ALL POST-INSTALLED ANCHORS ARE TO BE CAREFULLY INSTALLED SO AS TO NOT DISTURB OR DAMAGE THE STEEL REINFORCING IN ANY WAY. ANCHORS MAY NOT BE INSTALLED UNTIL CONCRETE OR GROUT HAS REACHED A MINIMUM AGE OF 28 DAYS.
- ALL HOLES FOR DRILLED-IN ANCHORS SHALL BE COMPLETELY DRY AND WELL CLEANED WITH A BOTTLE BRUSH AND COMPRESSED AIR PRIOR TO INSTALLING THE ANCHORS.
- ALL DRILLED-IN ANCHORS SHALL BE TESTED PER CHAPTER 17A OF THE 2019 CBC. ALL TESTING SHALL BE DONE BY A CERTIFIED TESTING LABORATORY AND SHALL BE PERFORMED IN THE PRESENCE OF A SPECIAL INSPECTOR.
- POST-INSTALLED ANCHORS ARE TO BE AS FOLLOWS:
 - EXPANSION ANCHORS IN CONCRETE
HILTI KB T22 PER ICC-ES ESR-4266
 - EXPANSION ANCHORS IN FULLY GROUTED CMU
HILTI KB T22 PER ICC-ES ESR-4266
 - EPOXY ANCHORS IN CONCRETE
HILTI HIT-HY 200 PER ICC-ES ESR-3187
- POST-INSTALLED ANCHORS ARE TO BE INSTALLED ONLY WHERE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS, WITH EMBEDMENTS AND PROOF TESTING AS SPECIFICALLY IDENTIFIED IN EACH APPLICABLE DETAIL. FOR ADDITIONAL INFORMATION, UNO, FOR EXPANSION ANCHORS, SEE TABLE BELOW.
- POST-INSTALLED ANCHORS MAY NOT BE USED AT LOCATIONS OTHER THAN THOSE SPECIFICALLY DETAILED IN THE PROJECT DRAWINGS WITHOUT PRIOR WRITTEN APPROVAL OF THE STRUCTURAL ENGINEER OF RECORD.

CONCRETE: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS
SEE ICC-ES ESR-4266 TABLE 1

ANCHOR DIAMETER	3/8" Ø	1/2" Ø	5/8" Ø
BIT DIAMETER	3/8" Ø	1/2" Ø	5/8" Ø
NOMINAL EMBEDMENT	2 1/2" Ø	2 3/4" Ø	4 1/4" Ø
HOLE DEPTH	2 3/4" Ø	2 3/4" Ø	4 1/4" Ø
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

CMU: HILTI KWIK BOLT TZ2 EXPANSION ANCHORS
SEE ICC-ES ESR-4266 TABLE 1

ANCHOR DIAMETER	3/8" Ø	1/2" Ø	5/8" Ø
BIT DIAMETER	3/8" Ø	1/2" Ø	5/8" Ø
NOMINAL EMBEDMENT	2 1/2" Ø	2 3/4" Ø	4 1/4" Ø
HOLE DEPTH	2 3/4" Ø	2 3/4" Ø	4 1/4" Ø
TORQUE (STAINLESS STEEL)	30 FT-LB	40 FT-LB	60 FT-LB

STRUCTURAL STEEL NOTES:

- THE FABRICATION AND ERECTION OF ALL STEEL CONSTRUCTION SHALL CONFORM TO THE 2019 CBC AND THE AISC STEEL CONSTRUCTION MANUAL 16th EDITION.
- STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:
 - ANGLES
ASTM A36, Fy = 36 KSI
 - BAR AND PLATES
ASTM A36, Fy = 36 KSI
 - RECTANGULAR HSS
ASTM A500, GRADE B, Fy = 46 KSI
- WELDING SHALL BE BY THE ELECTRIC ARC PROCESS (SHIELDED METAL ARC WELDING, FLUX CORE ARC WELDING, GAS METAL ARC WELDING) PER AWS STANDARDS AND BY CERTIFIED WELDERS. REFER TO "QUALIFICATION PROCEDURE" AWS D1.1.
- ALL WELDED JOINTS AND ELECTRODES ARE TO BE "PREQUALIFIED." ALL WELDING ELECTRODES ARE TO BE E70XX UNO. FCAW FILLER METAL WIRE SHALL BE 3/16" MAX DIAMETER AND SMAW FILLER METAL WIRE SHALL BE 3/32" MAX DIAMETER.
- ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AS REQUIRED TO MAINTAIN STABILITY OF THE STRUCTURE UNTIL THE STRUCTURAL SYSTEM IS SUBSTANTIALLY COMPLETE.
- ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED BELOW GRADE SHALL HAVE 3" MINIMUM COVER. ALL STRUCTURAL STEEL ITEMS EMBEDDED IN CONCRETE AND LOCATED ABOVE GRADE AT CONCRETE EXPOSED TO WEATHER SHALL HAVE 1 1/2" MINIMUM COVER.
- ALL STEEL BOLTS ARE TO HAVE STANDARD GAGE AND PITCH PER AISC. ALL STEEL-TO-STEEL BOLTED CONNECTIONS SHALL BE WITH A325-N BOLTS, UNO. ALL EMBEDDED ANCHOR BOLTS SHALL BE F1554 GRADE 36 UNO. HOLES AT STEEL-TO-STEEL CONNECTIONS ARE TO BE 1/8" OVERSIZE AND HOLES AT STEEL COLUMN BASE PLATES ARE TO BE 1/8" OVERSIZE, UNO.
- STRUCTURAL STEEL IS TO BE SHOP PRIMED WITH ONE COAT, EXCEPT THE BELOW NOTED LOCATIONS, WHERE PRIMER SHALL BE HELD 2" CLEAR:
 - STEEL SURFACES EMBEDDED IN CONCRETE
 - SURFACES TO BE FIELD WELDED
 - CONTACT SURFACES WITH HIGH STRENGTH BOLTED CONNECTIONS
- ALL STRUCTURAL COLUMNS ARE TO BE SET UPON ANCHOR RODS WITH LEVERING NUTS ALLOWING APPROXIMATELY 1 1/2" ± CLEARANCE. CLEARANCE SPACE UNDER COLUMNS AND BLOCK-OUTS IN CURBS FOR COLUMN PLACEMENT ARE TO BE FILLED WITH A NON-SHRINK, HIGH-STRENGTH, POURABLE GROUT.

CONCRETE MASONRY NOTES:

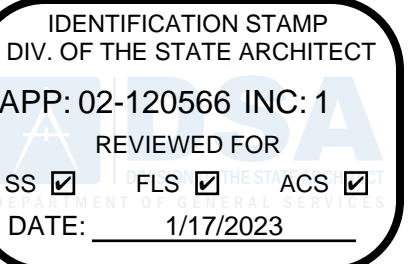
- ALL CONCRETE MASONRY UNITS SHALL BE GRADE N w/ MINIMUM 28-DAY COMPRESSIVE STRENGTH = 2000 PSI. USE OPEN END UNITS AS REQUIRED TO MAINTAIN REINFORCEMENT CLEARANCES AND PROPERLY CONSOLIDATE GROUT. ALL CELLS TO BE SOLID GROUTED. UNITS TO BE SAMPLED AND TESTED TO VERIFY CONFORMANCE WITH ASTM C90.
- GROUT SHALL HAVE MINIMUM COMPRESSIVE STRENGTH = 2000 PSI AT 28 DAYS AND HAVE MINIMUM 7 SACKS OF CEMENT/CU YD. ADD ONE POUND SIKKA GROUT AID PER 100 LB OF CEMENT. GROUT SHALL CONFORM WITH SECTION 2.2 OF ACI 530.1
- MORTAR SHALL BE TYPE M OR S IN ACCORDANCE WITH SECTIONS 2.1 & 2.6A OF ACI 530.1.
- LAP ALL REINFORCEMENT 96DB UNLESS NOTED OTHERWISE. WHERE LAPS OF ADJACENT BARS ARE SPACED 3" OR LESS, INCREASE LAP LENGTH 30%.
- ALL REINFORCEMENT TO BE TIED AND SECURED IN PLACE PRIOR TO GROUTING.
- PLACE GROUT IN 32" LIFTS MAX WHERE NO CLEAN OUTS ARE PROVIDED. WHERE CLEAN OUTS ARE PROVIDED, MAX GROUT LIFTS SHALL BE 8'-0". GROUT FOR EACH POUR SHALL BE STOPPED 2" BELOW THE TOP OF LAST BLOCK COURSE. CONTRACTOR TO TAKE ALL NECESSARY MEASURES TO INSURE GROUT IS PROPERLY CONSOLIDATED.
- PROVIDE INVERTED BOND UNIT AT BOTTOM OF ALL LIFTS AS REQUIRED TO FACILITATE PLACEMENT OF CLEAN OUTS.
- FOOTING DOWELS w/ STANDARD HOOK SHALL MATCH SIZE AND SPACING OF VERTICAL REINFORCEMENT UNO. PROVIDE MINIMUM LAP w/ VERTICAL REINFORCEMENT AND EXTEND HOOKED END TO WITHIN 3" OF BOTTOM OF FOOTING UNO.
- PROVIDE 2-#5 CONT IN BOND BEAM UNITS AT THE TOPS OF WALLS AND AT ALL LEDGE LOCATIONS
- PROVIDE TEMPLATES AS REQUIRED TO SECURE BOLTS IN POSITION. PROVIDE 1" MIN GROUT AROUND BOLTS.
- PROVIDE CONTROL JOINTS @ 40' OC MAX SPACING.
- PROVIDE TEST AND INSPECTIONS IN COMPLIANCE WITH ACI 530 FOR LEVEL B QUALITY ASSURANCE.

FRAMING:

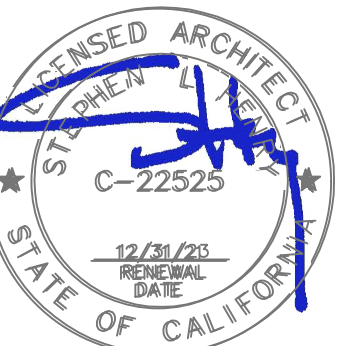
- ALL NEW FRAMING LUMBER IS TO BE DOUGLAS FIR (DF) #1 MINIMUM.
- ALL NEW FRAMING LUMBER IS TO HAVE A MOISTURE CONTENT NO GREATER THAN 19% AT THE TIME OF INSTALLATION.
- ALL SPECIFIED NAILS ARE TO COMMON WIRE (PER ASTM F1667) AS FOLLOWS, UNO HEREIN:
 - 16d COMMON - 0.162" Ø x 3" LENGTH
 - 10d COMMON - 0.148" Ø x 3" LENGTH
 - 8d COMMON - 0.131" Ø x 2 1/2" LENGTH
- ALL NAILS DRIVEN INTO PRESSURE TREATED WOOD ARE TO BE HOT DIPPED GALVANIZED.
- ALL FRAMING CONNECTIONS NOT SPECIFICALLY ADDRESSED HEREIN ARE TO BE PER 2019 CBC CHAPTER 23.

PLYWOOD SHEATHING:

- ALL PLYWOOD WALL SHEATHING REMOVED IS TO BE REPLACED WITH 3/4" STRUCTURAL-1, 5-PLY, EXTERIOR GRADE PER PS-1.
- ALL NEW PLYWOOD NAILING IS TO MATCH THE SIZE AND SPACING OF THE EXISTING NAILING.
- ALL EXISTING ANCHOR BOLTS, NUTS AND PLATE WASHERS ARE TO BE WIRE BRUSHED CLEAN OF RUST AND SPRAY COATED WITH A COLD-GALVANIZING PRODUCT.
- ALL HORIZONTAL JOINTS IN PLYWOOD SHEATHING ARE TO OCCUR AT SOLID 3x MIN BLOCKING, WITH EACH PLYWOOD JOINT FULLY EDGE NAILED. REQUIREMENT APPLIES TO BOTH NEW-TO-NEW PLYWOOD JOINTS AND NEW-TO-EXISTING PLYWOOD JOINTS.



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

GENERAL NOTES
& TYPICAL DETAILS

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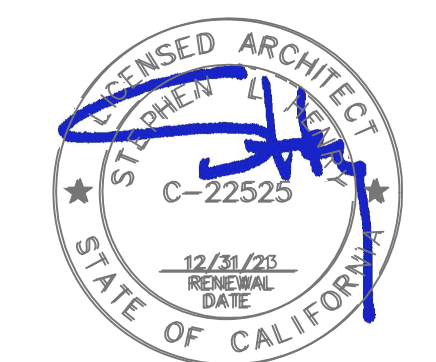
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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

STRUCTURAL BUILDING PLANS - FULL SITE

910

REGISTERED PROFESSIONAL ENGINEER
GREGORY I. RICHARDS
No. 4555
Exp. 12/31/2022
STRUCTURAL
STATE OF CALIFORNIA

1/6/2023

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S2.1

3 OF 9 SHEETS

1. CONTRACTOR SHALL COORDINATE ALL WORK CONTAINED HEREIN WITH ALL PROJECT WORK BY OTHERS INCLUDING CIVIL, ARCHITECTURAL, MECHANICAL, ELECTRICAL & PLUMBING.
2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE A RESTROOM UPGRADE.

EXISTING STRUCTURAL WALL

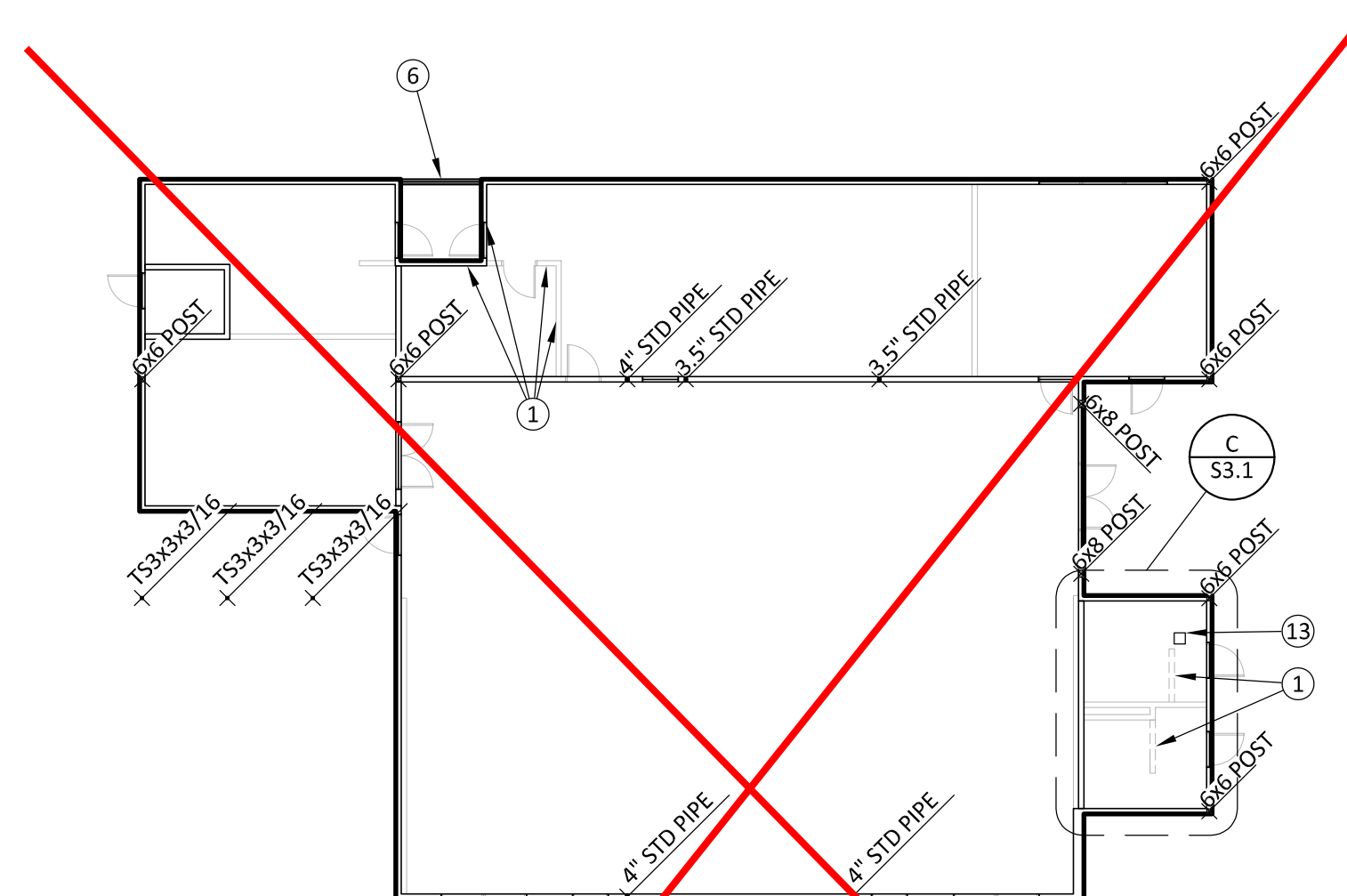
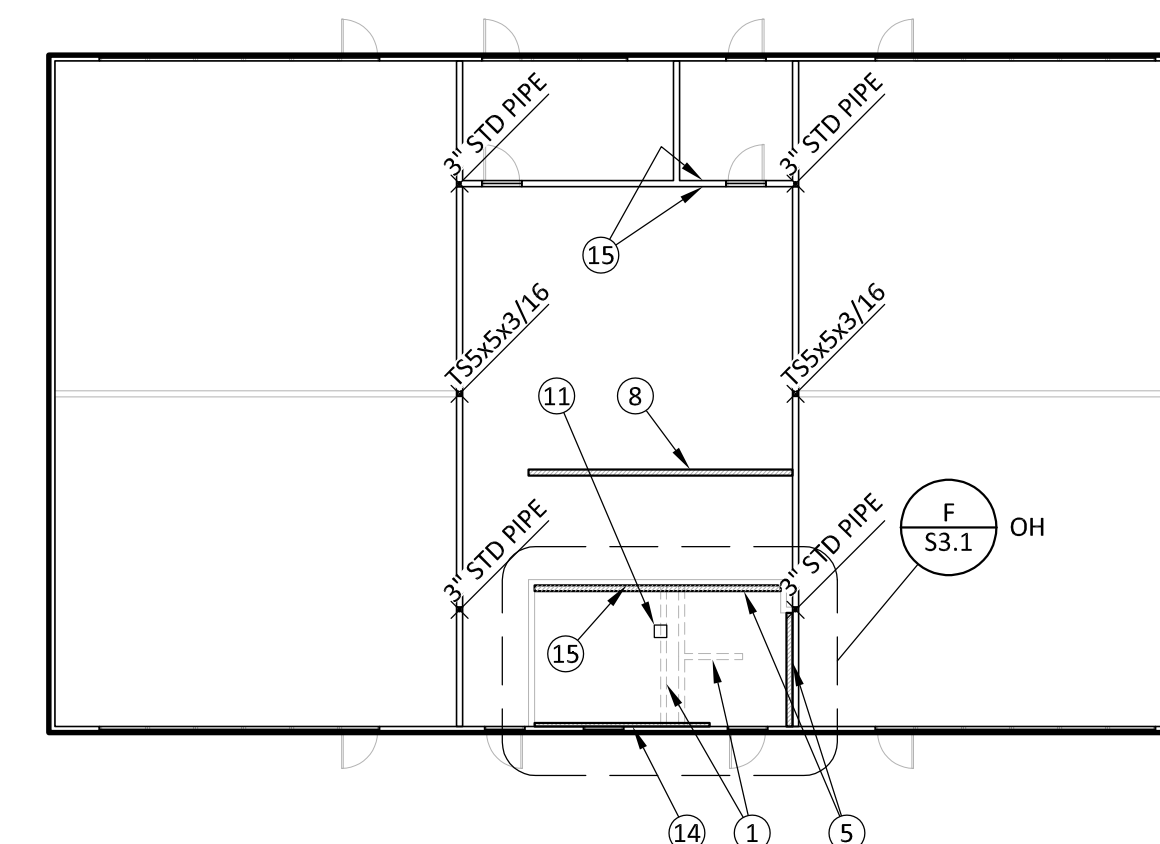
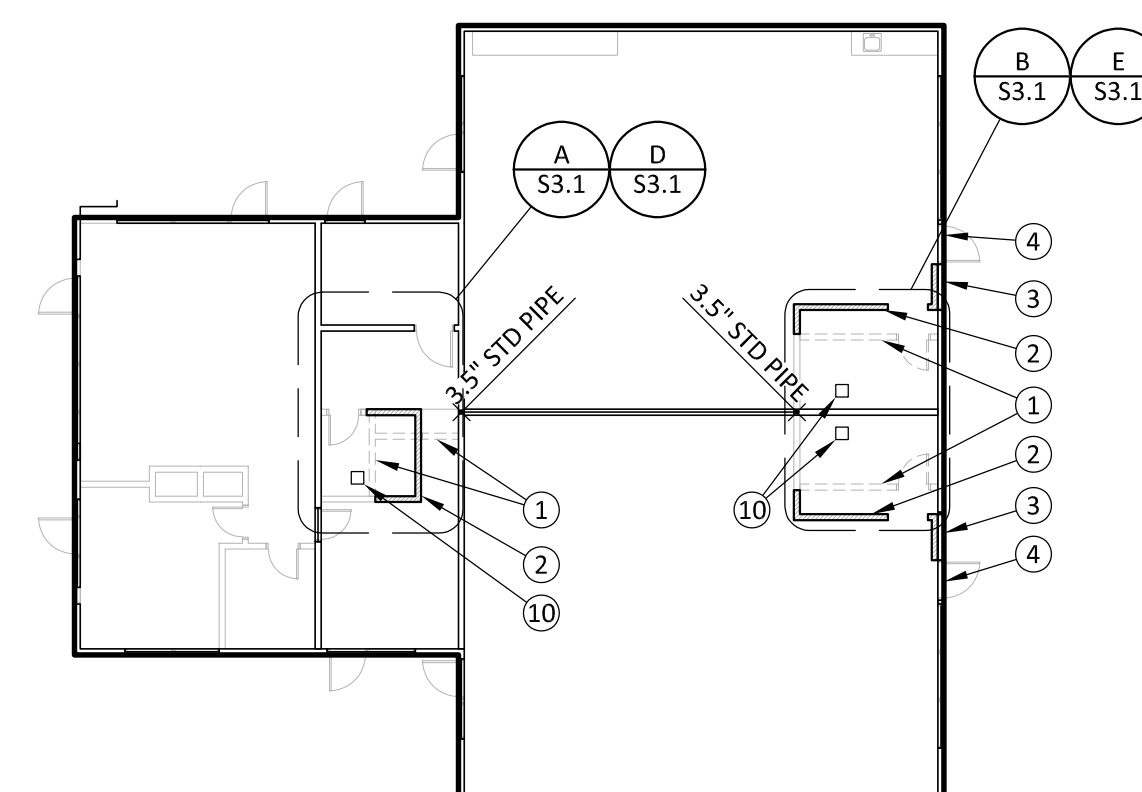
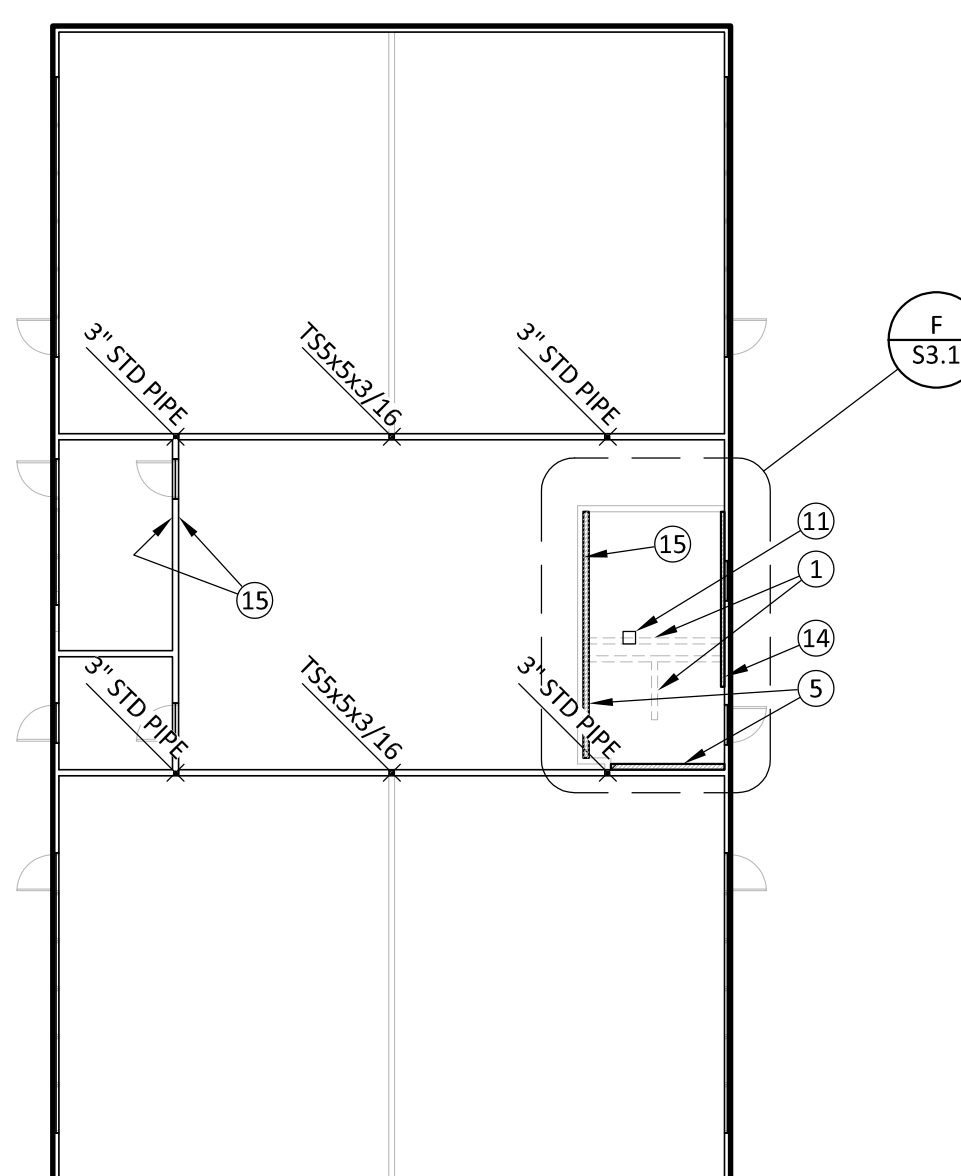
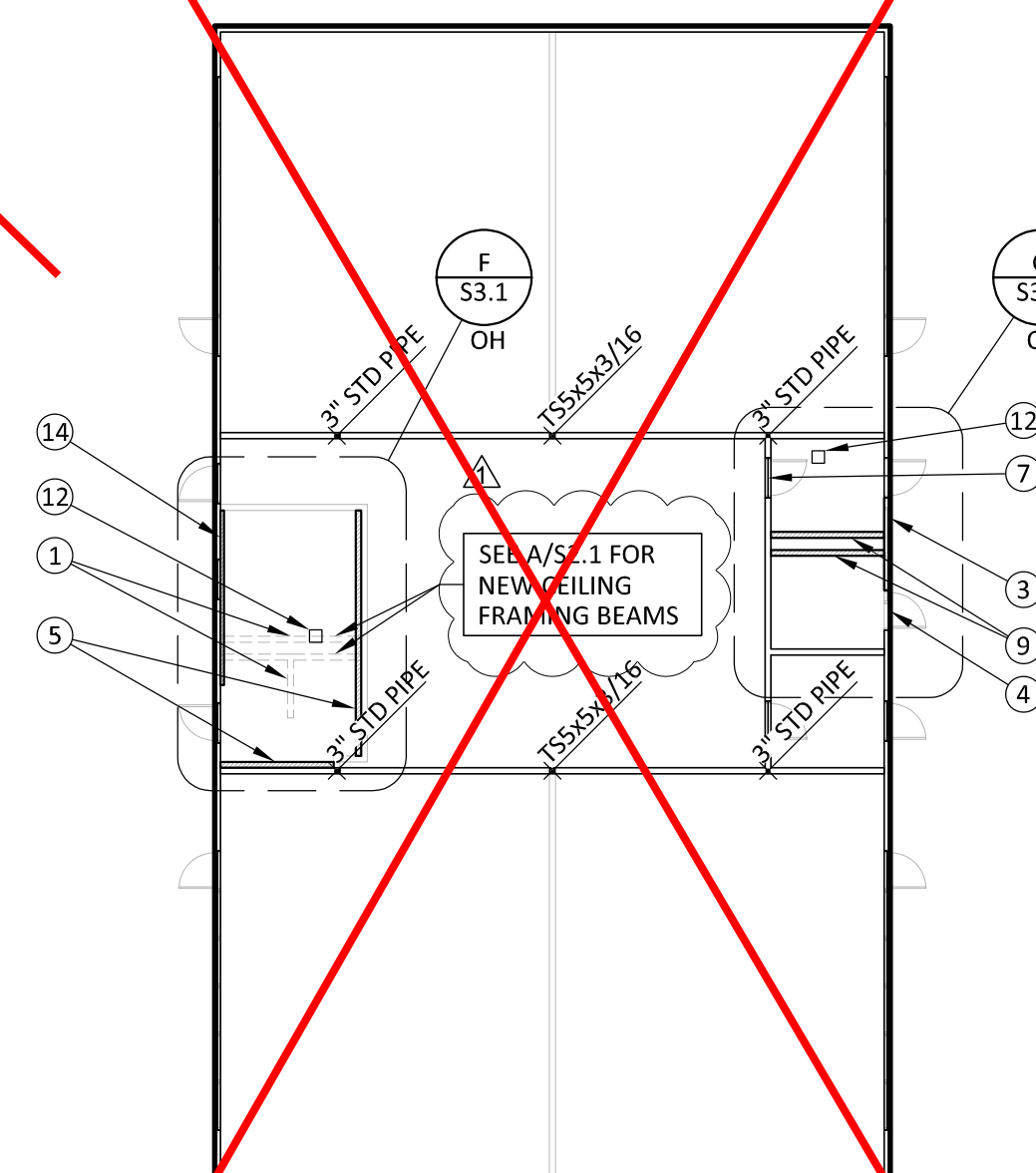
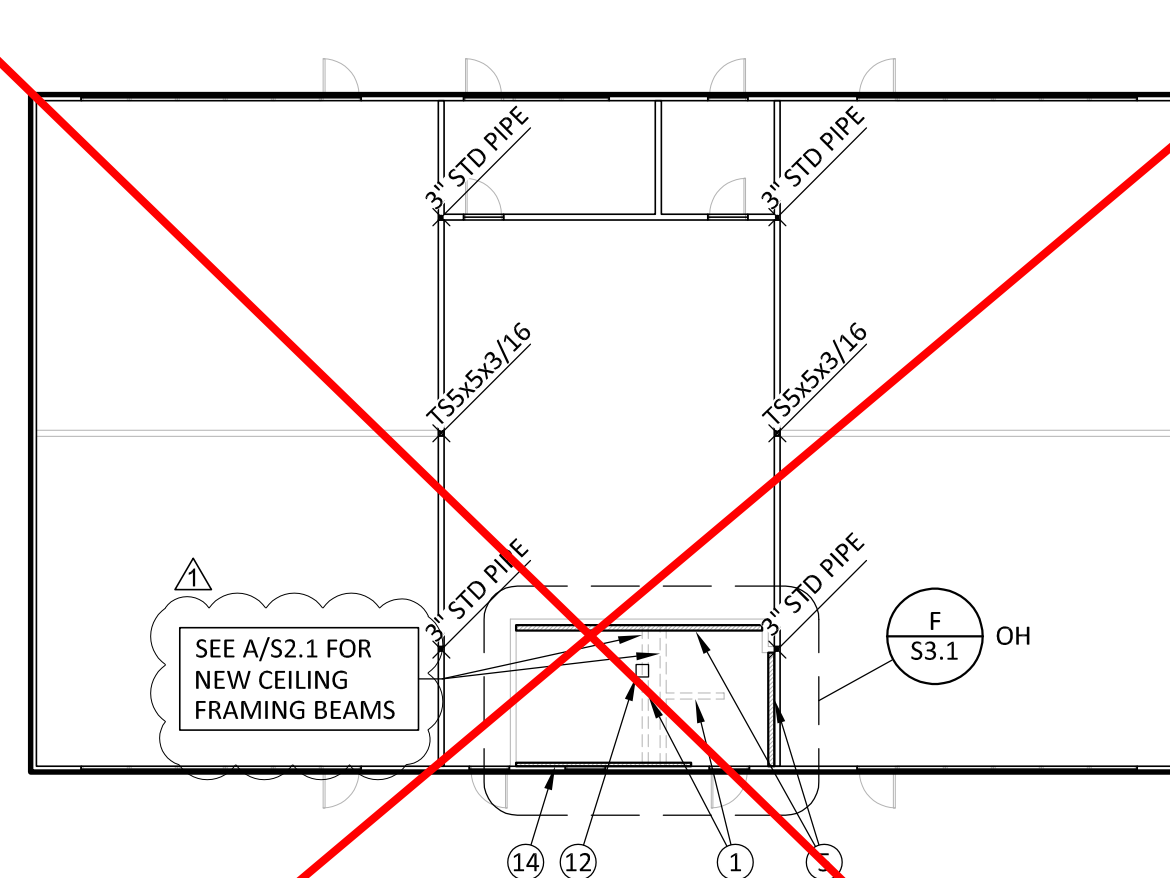
EXISTING NON-STRUCTURAL WALL

EXISTING WALL TO BE REMOVED

NEW WALL

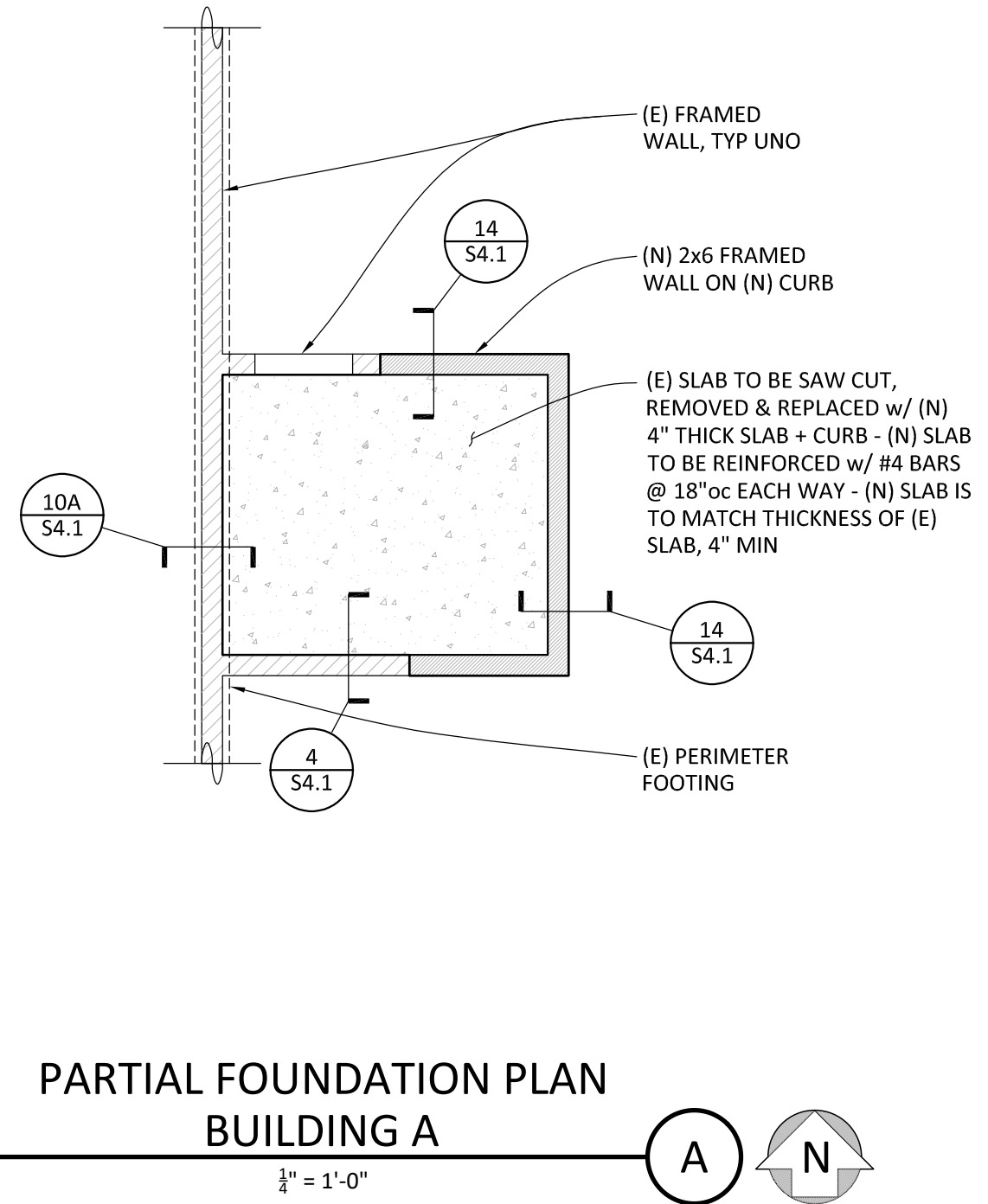
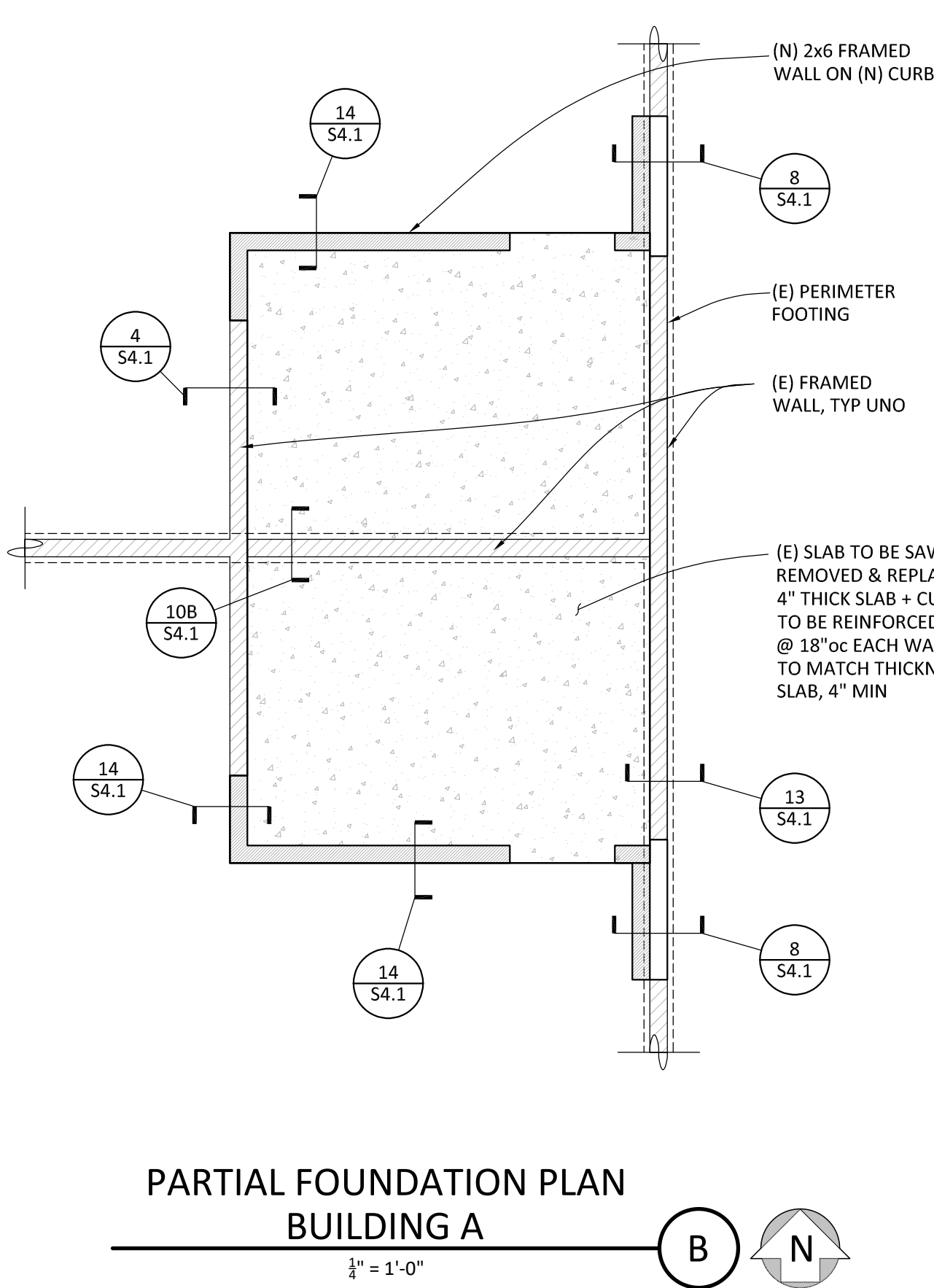
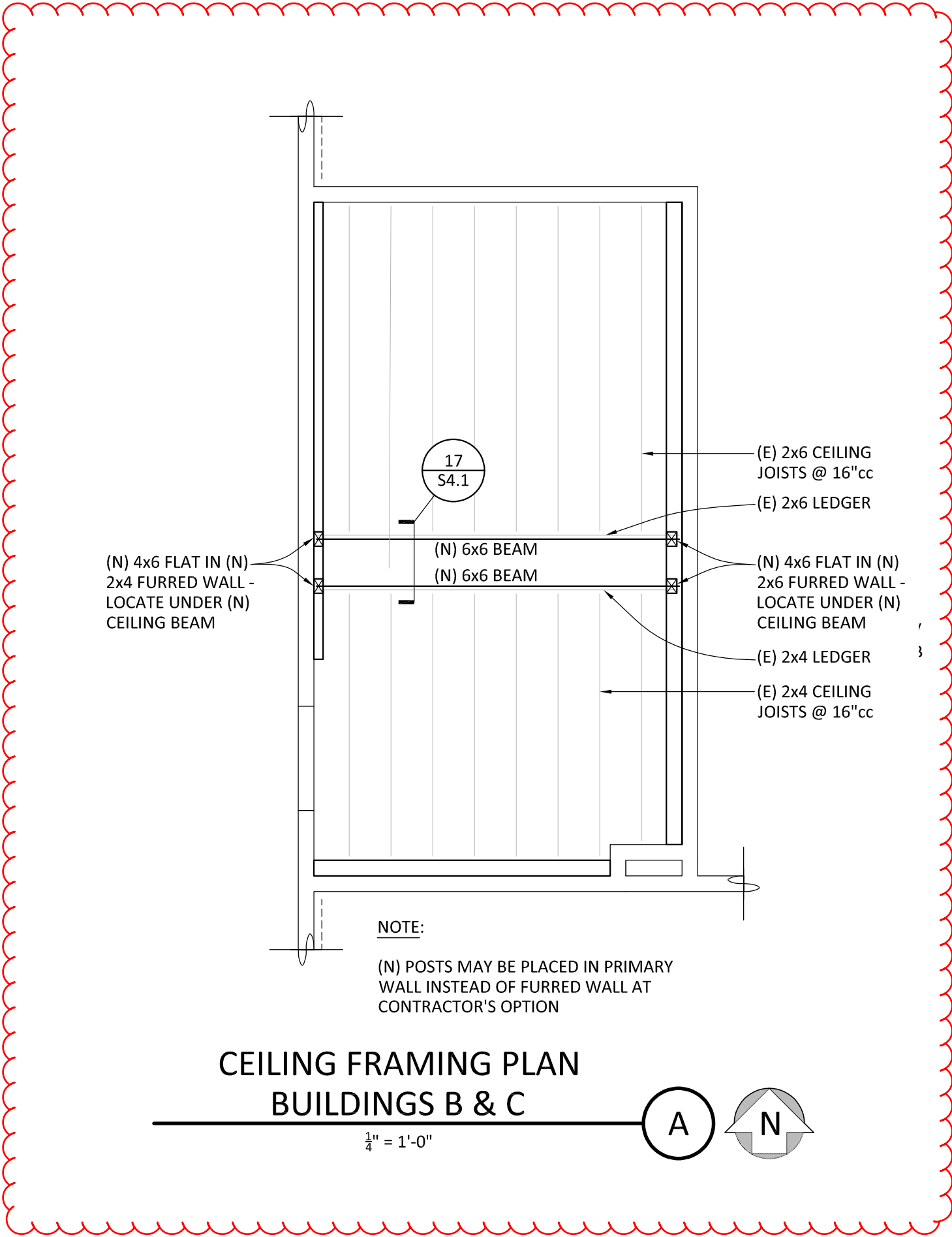
- ① EXISTING WALLS TO BE REMOVED - SEE ARCHITECTURAL DRAWINGS
- ② NEW WOOD FRAMED WALL ADDED, 2x6 @ 16"oc ON NEW 6" CONCRETE CURB - SEE 1/54.1, 5/54.1 & 6/54.1 FOR TOP OF WALL CONNECTIONS, TYP - FRAME OPENINGS PER 2/50.2
- ③ NEW METAL PANEL INFILL AT EXISTING WINDOW - SEE ARCHITECTURAL DRAWINGS
- ④ NEW DOORWAY ADDED AT EXISTING WINDOW OPENING
- ⑤ NEW WOOD FRAMED FURRING WALL ADDED, 2x6 @ 16"oc ON NEW 6" CONCRETE CURB - SEE 7/54.1 FOR TOP OF WALL CONNECTION, TYP
- ~~⑥ NEW EXTERIOR WOOD FRAMED WALL WITH DOOR - SEE A/52.1 F~~
- ~~⑦ EXISTING DOOR TO BE INFILLED - SEE 6/50.2~~
- ⑧ NEW WOOD FRAMED WALL ADDED, 2x6 @ 16"oc - SEE 5/54.1 & 15/54.1
- ~~⑨ NEW DOUBLE WOOD FRAMED WALL ADDED, 2x6 @ 16"oc ON NEW 6" CONCRETE CURB - SEE 1/54.1 FOR TOP OF WALL CONNECTION, TYP~~
- ⑩ NEW CEILING MOUNTED EXHAUST FAN (30 LB MAX) - SEE DETAIL 5/M5.1
- ⑪ NEW ROOF MOUNTED EXHAUST FAN (60 LB MAX) - SEE 5/54.2 & DETAIL 1/M5.1
- ~~⑫ NEW ROOF MOUNTED EXHAUST FAN (60 LB MAX) - SEE 6/54.2 & DETAIL 1/M5.1 SIM~~
- ~~⑬ NEW ROOF MOUNTED EXHAUST FAN (60 LB MAX) - SEE 7/54.2 & DETAIL 1/M5.1 SIM~~
- ⑭ NEW WOOD FRAMED FURRING WALL ADDED, 2x4 @ 16"oc ON NEW 6" CONCRETE CURB - SEE 7/54.1 FOR TOP OF WALL CONNECTION, TYP
- ⑮ EXISTING STRUCTURAL PLYWOOD SHEATHING OCCURS ON FACE OF INTERIOR WALL

FOR CUTTING AND PATCHING OF EXISTING CONCRETE SLABS
- SEE 2/S4.1 AND 3/S4.1 TYP UNO


$$\frac{1}{16}'' = 1'-0''$$

$$\frac{1}{16}'' = 1'-C$$

$$\frac{1}{16}'' = 1'-0''$$

$$\frac{1}{16}'' = 1'-0''$$

$$\frac{1}{\lambda^2}'' = 1'-0''$$

SEE FOUNDATION PLAN AND DETAILS ON S2.1.F
SEE ROOF FRAMING PLAN AND DETAILS ON S2.2.F

$$\frac{1}{16}'' = 1'-0''$$

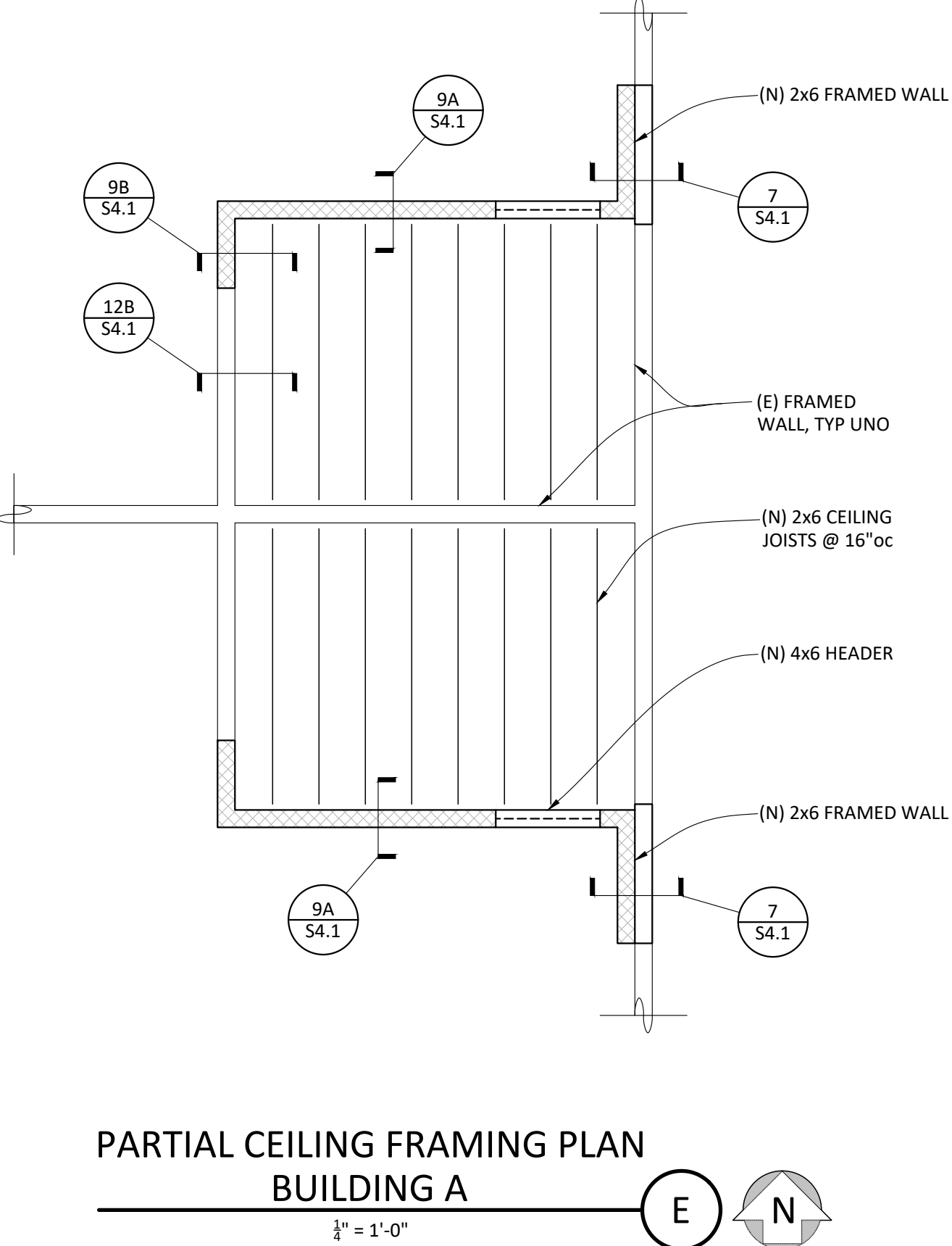
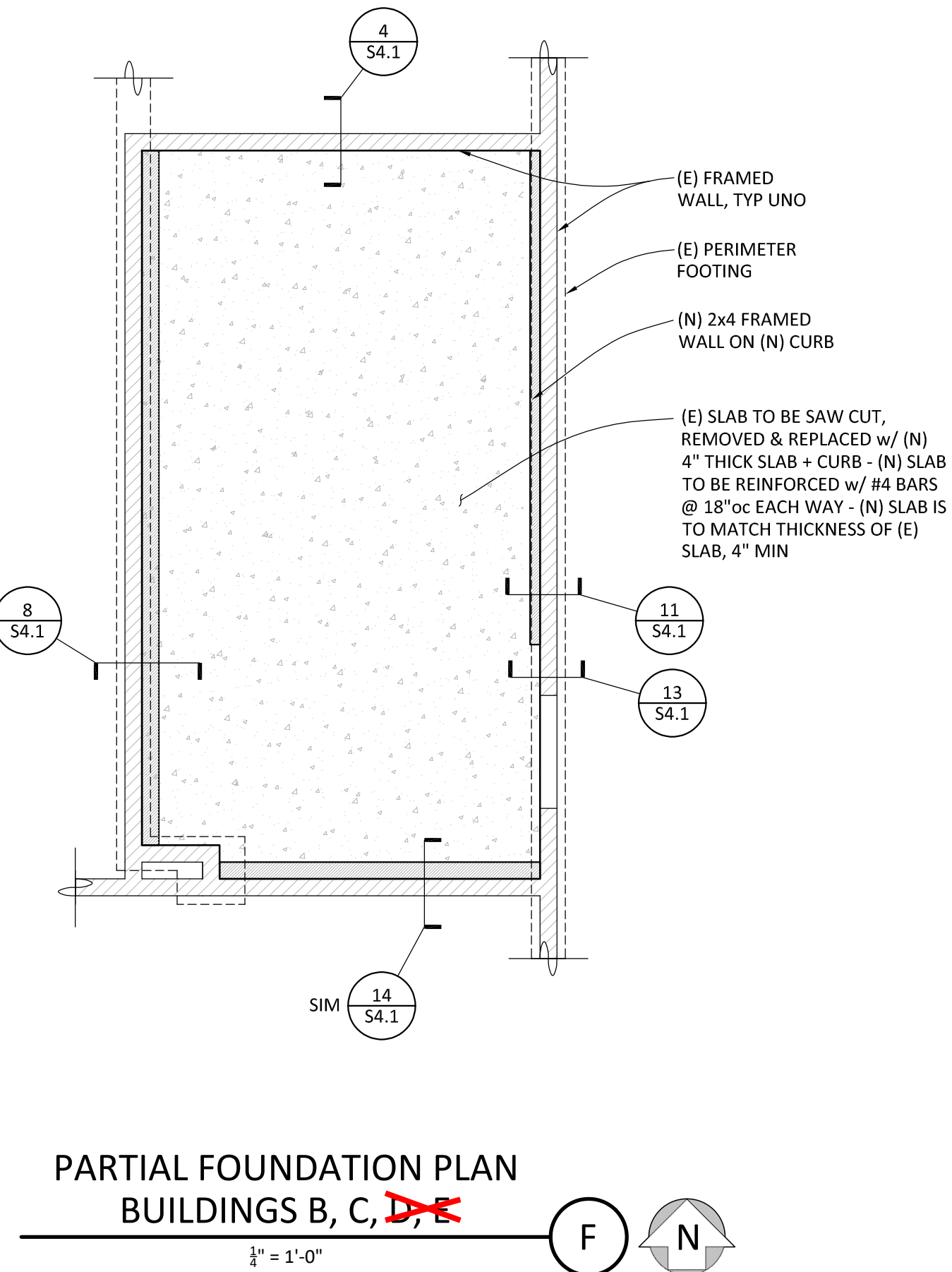
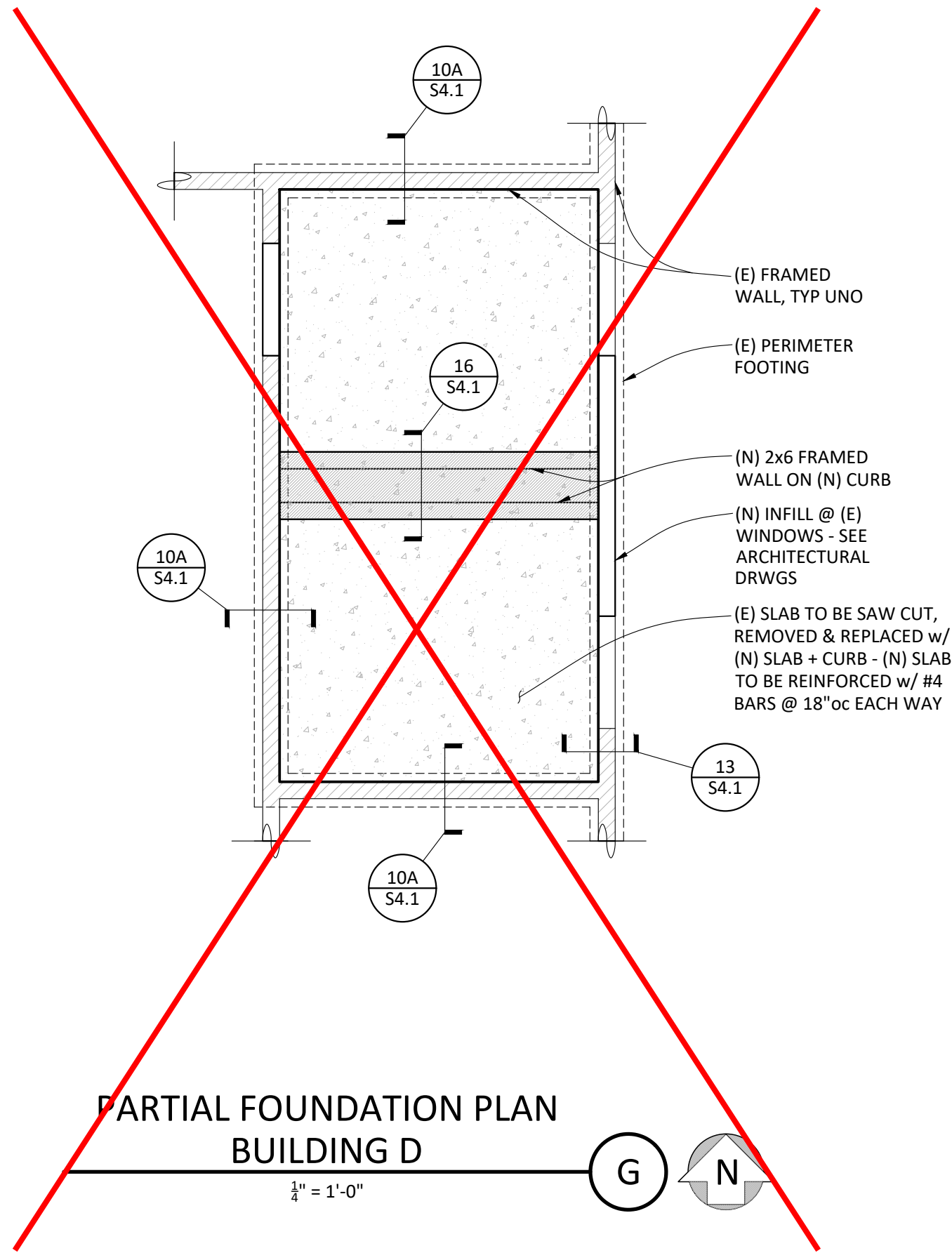


PARTIAL FOUNDATION PLAN NOTES:

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2. STRUCTURAL SCOPE IS LIMITED TO MISCELLANEOUS FRAMING MODIFICATIONS TO ACCOMMODATE A RESTROOM UPGRADE.
3. ALL NEW SLAB AREAS ARE TO BE PLACED OVER 15 MIL VAPOR BARRIER AND 6" OF CLEAN CRUSHED ROCK.

PARTIAL FOUNDATION PLAN LEGEND:

EXISTING WALL ON CURB OVER FOOTING	
EXISTING WALL ON CURB OVER SLAB	
NEW WALL ON CURB	

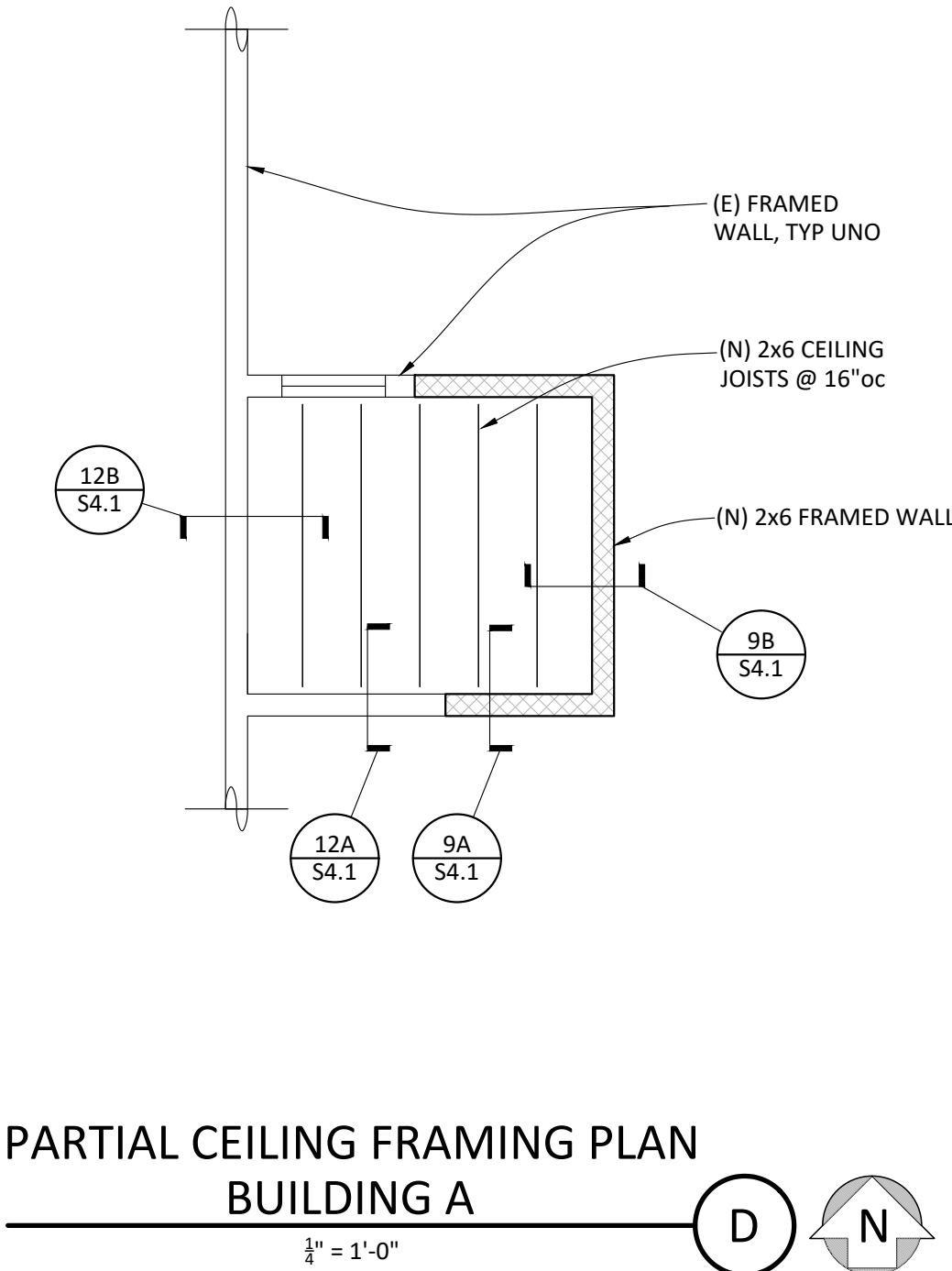


PARTIAL CEILING FRAMING PLAN NOTES:

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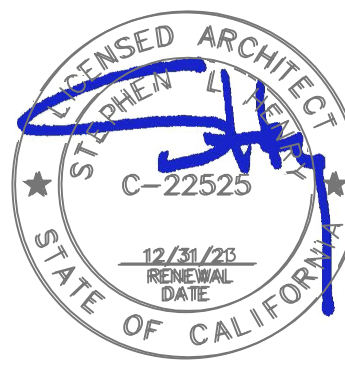
PARTIAL CEILING FRAMING PLAN LEGEND:

EXISTING WALL	
NEW WALL	
NEW FRAMING	



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DATE: 1/17/2023

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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

ENLARGED PARTIAL BUILDING
PLANS

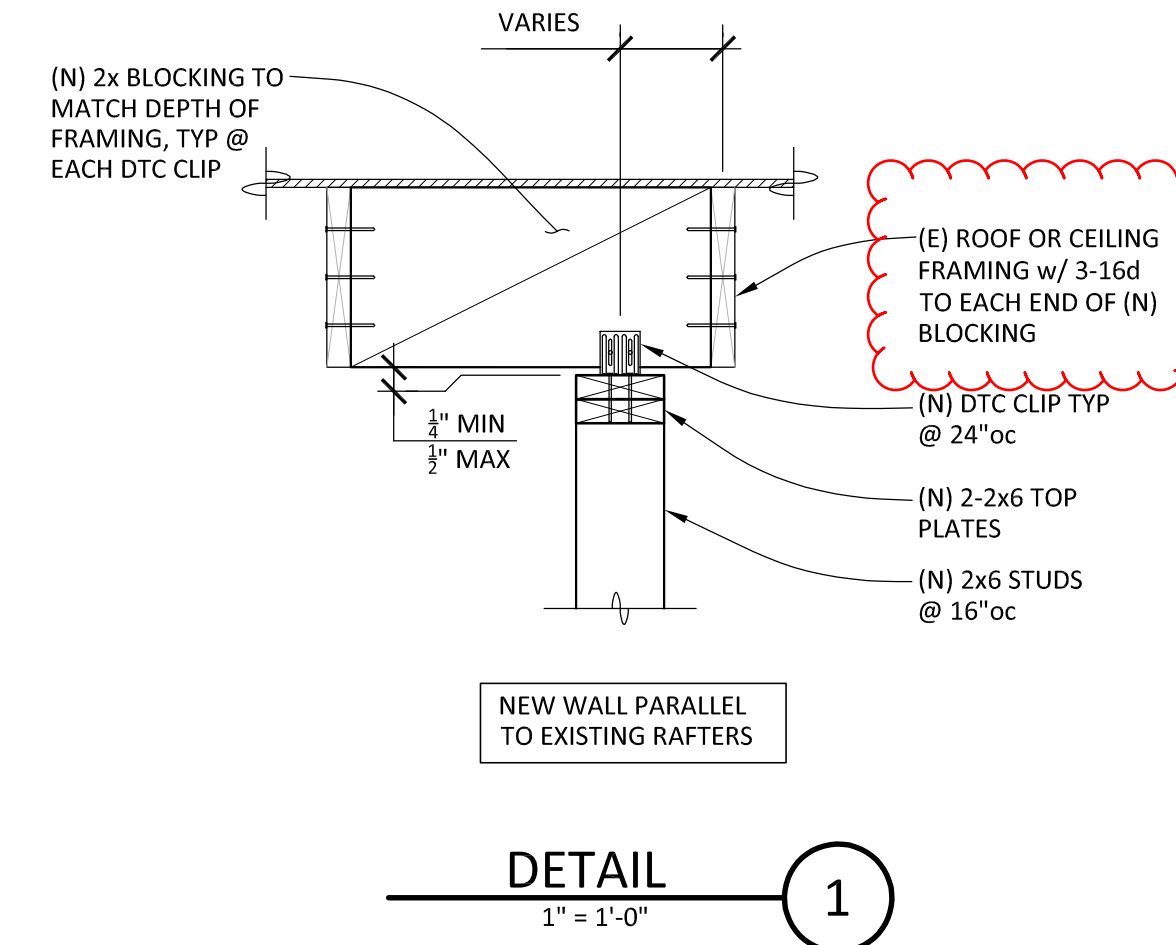
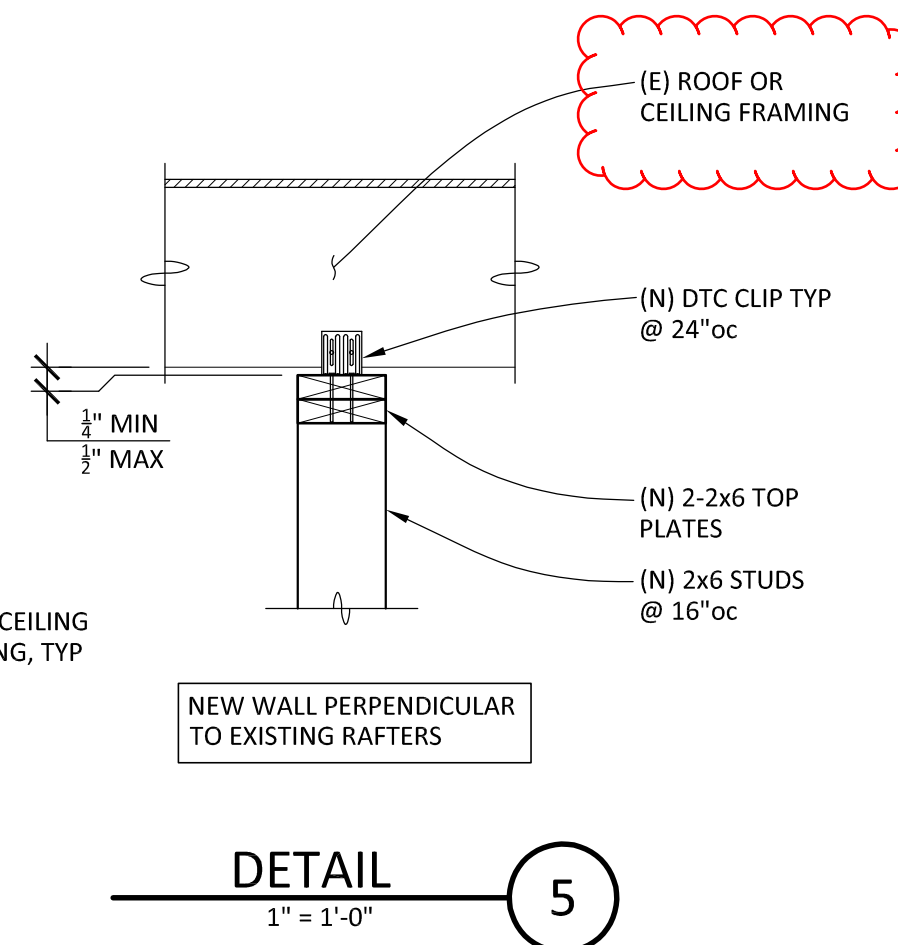
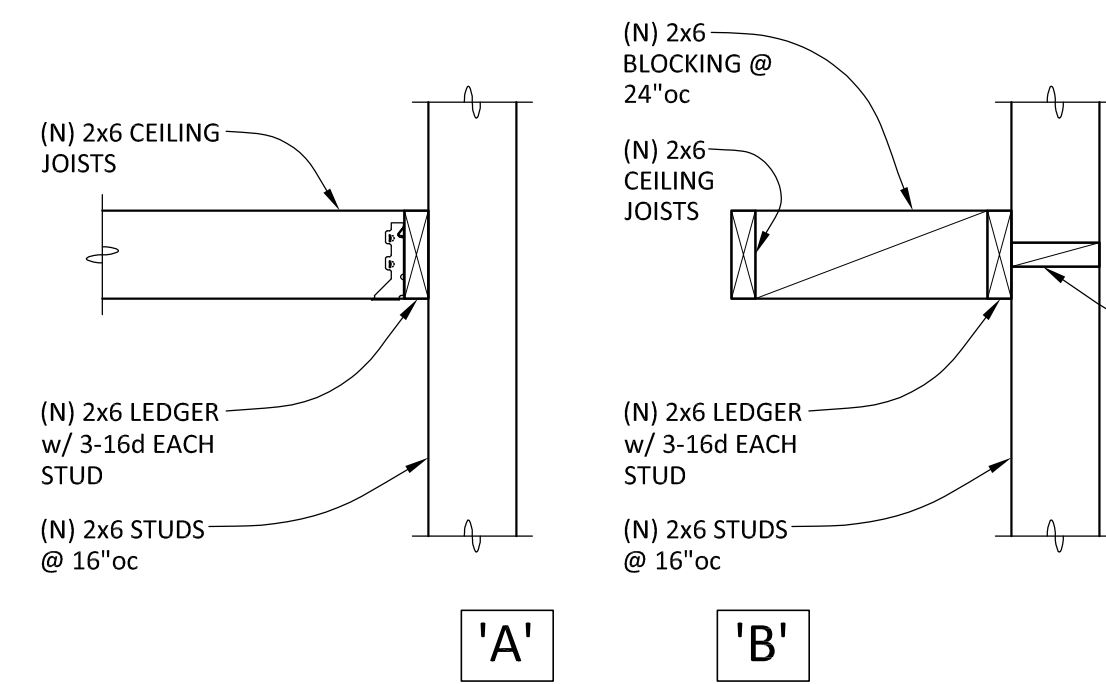
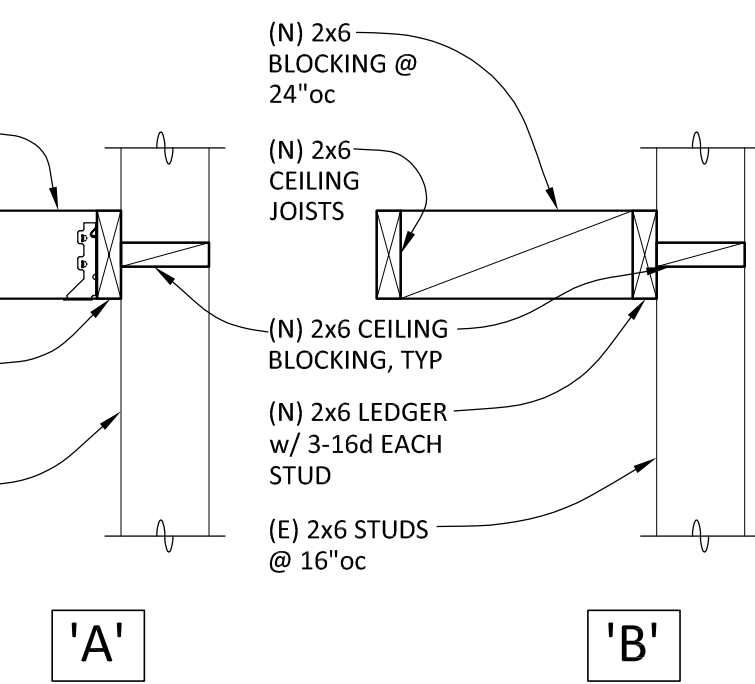
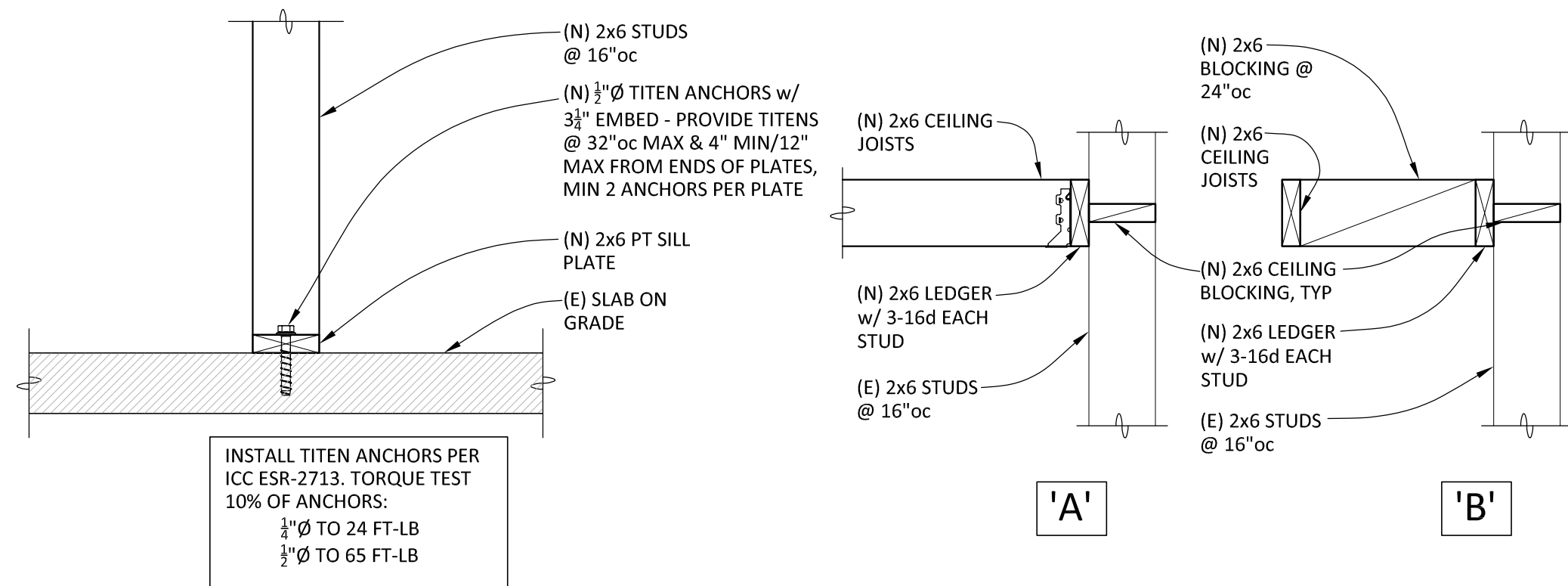
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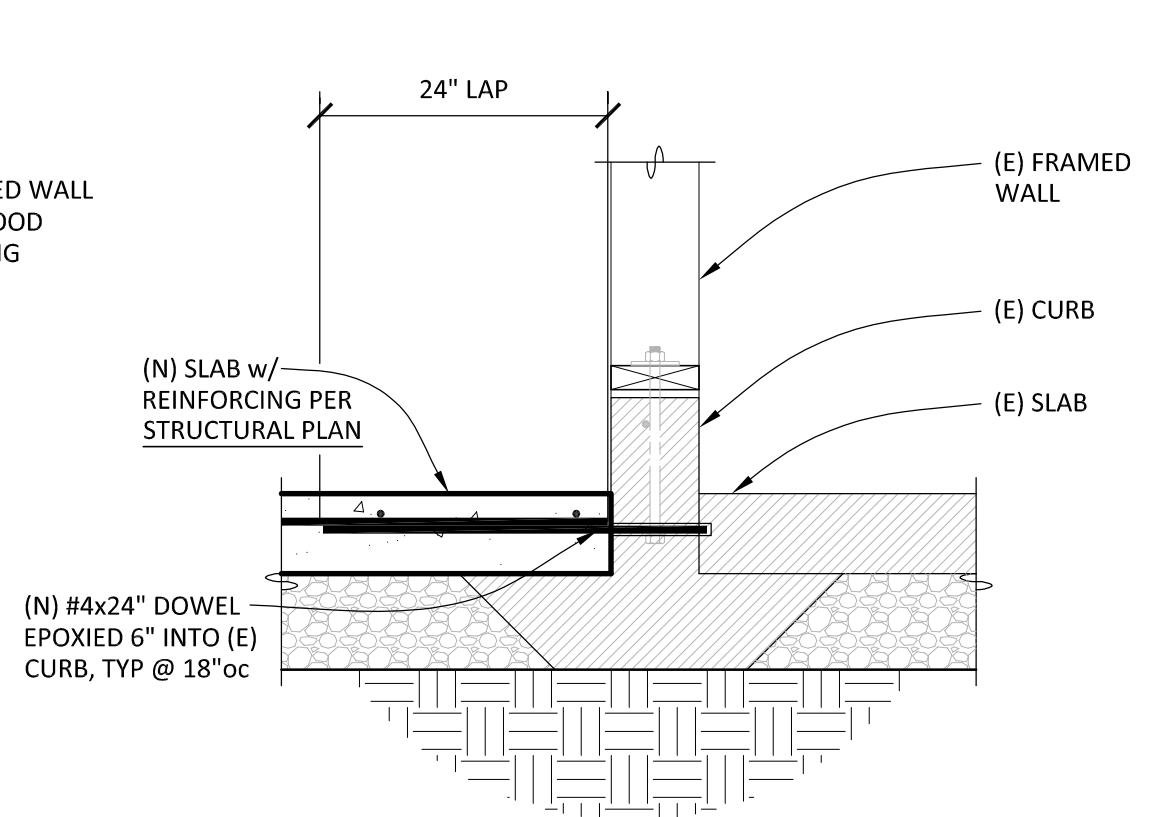
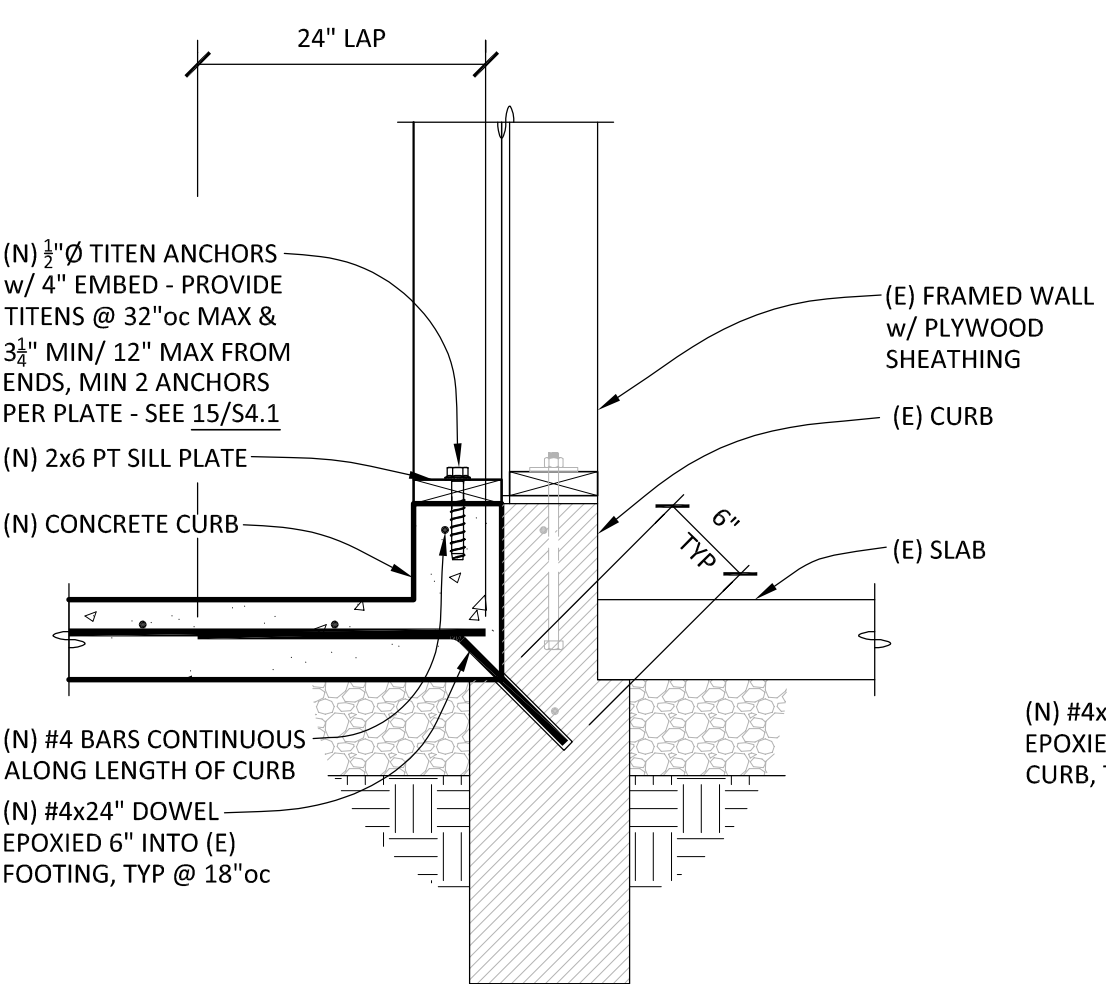
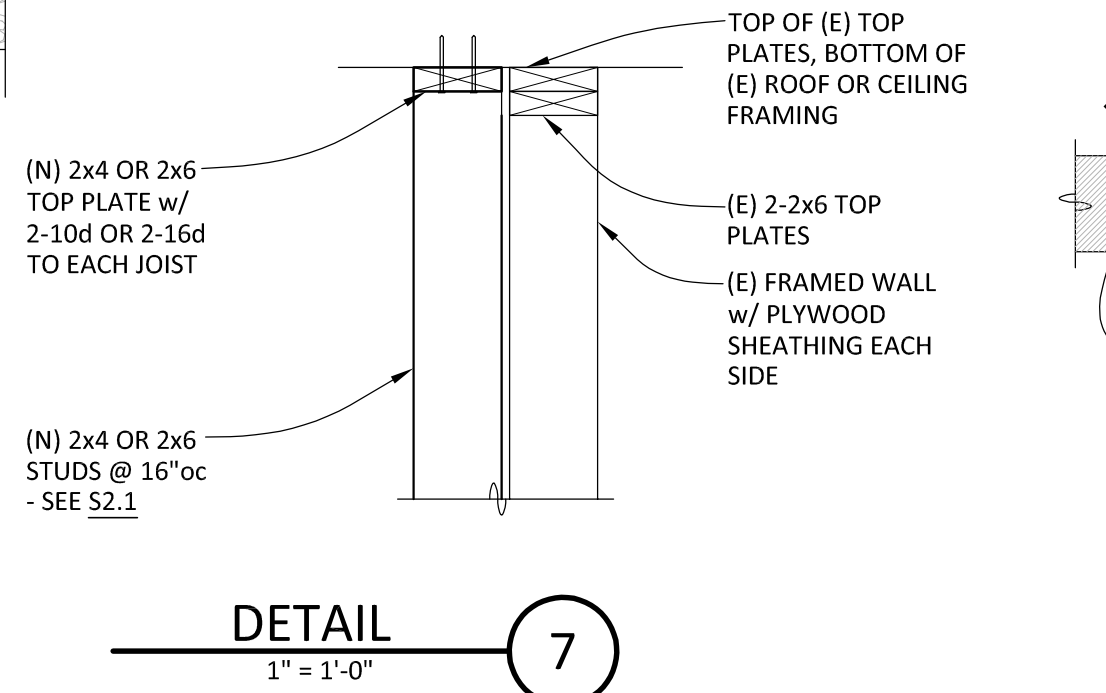
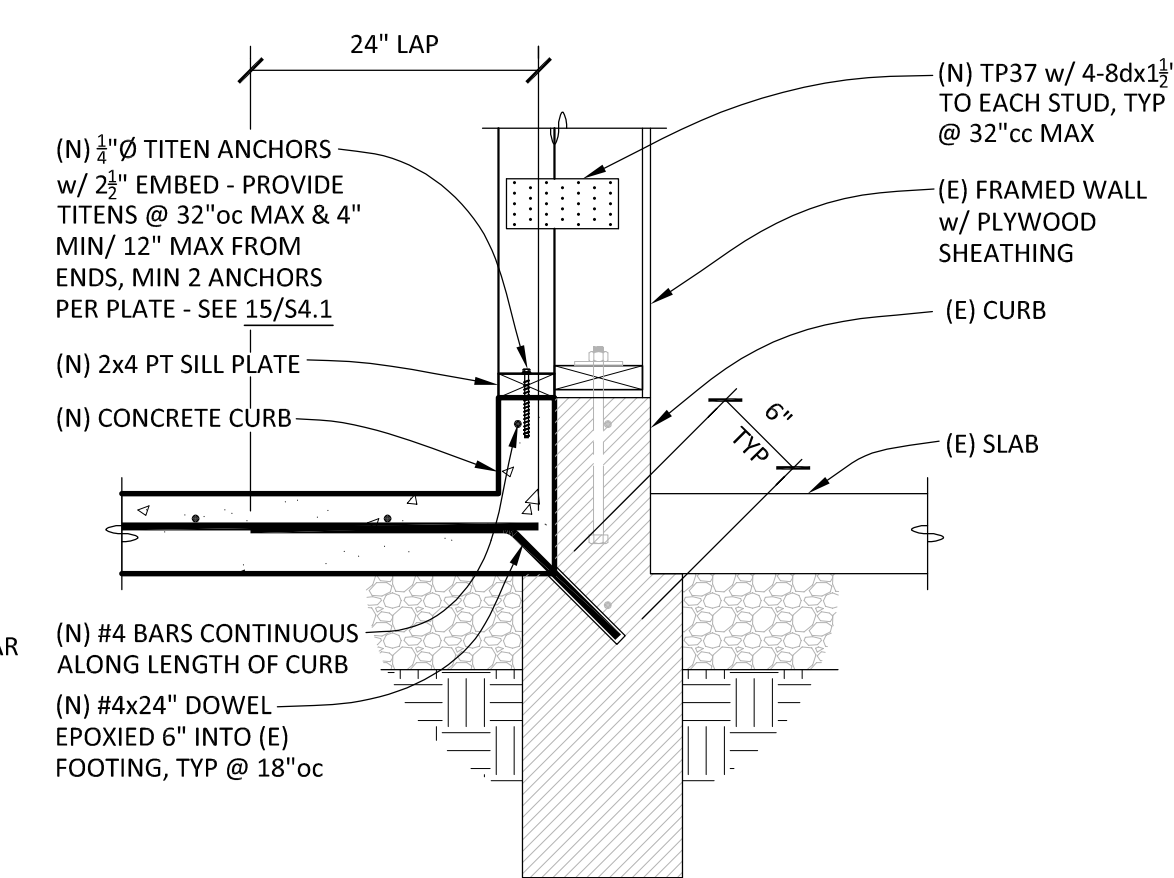
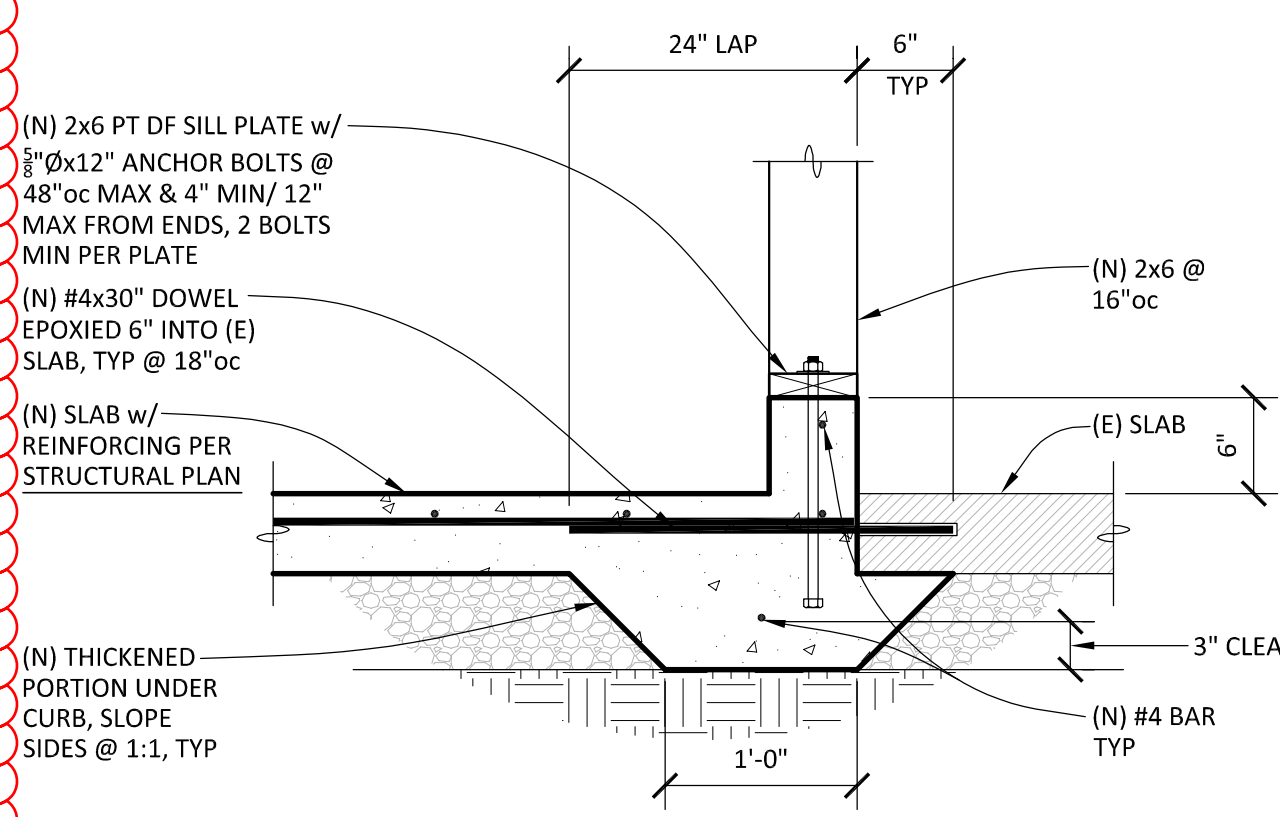
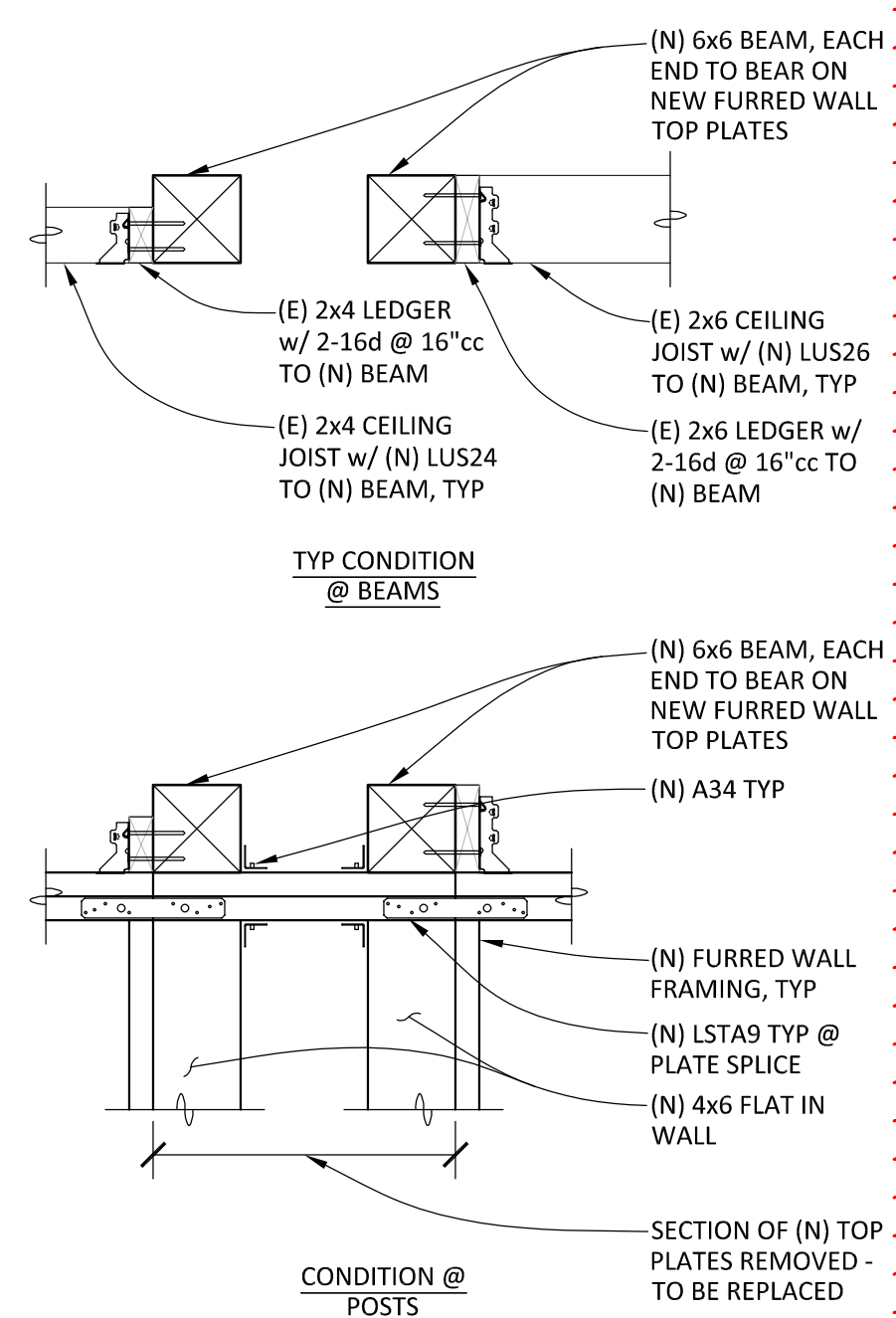
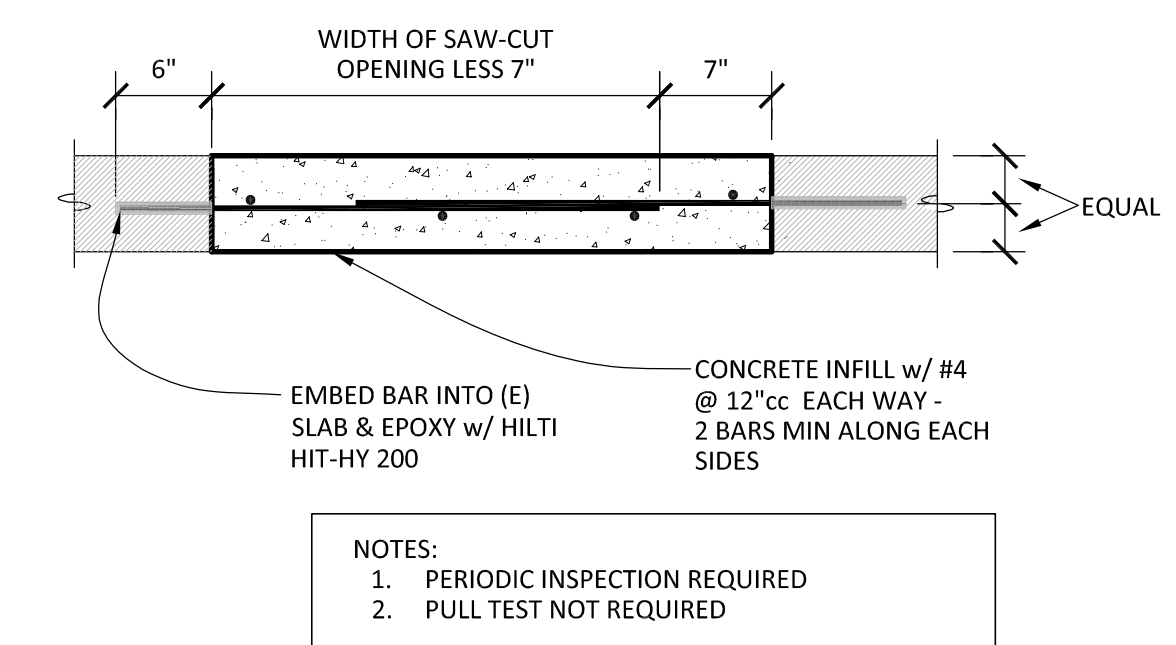
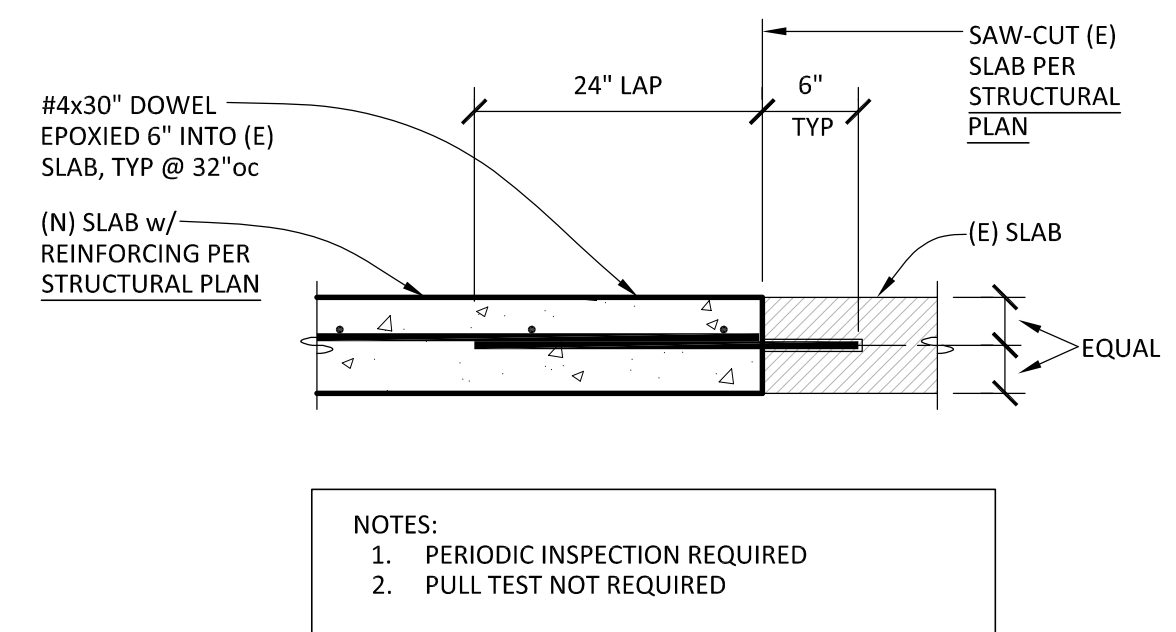
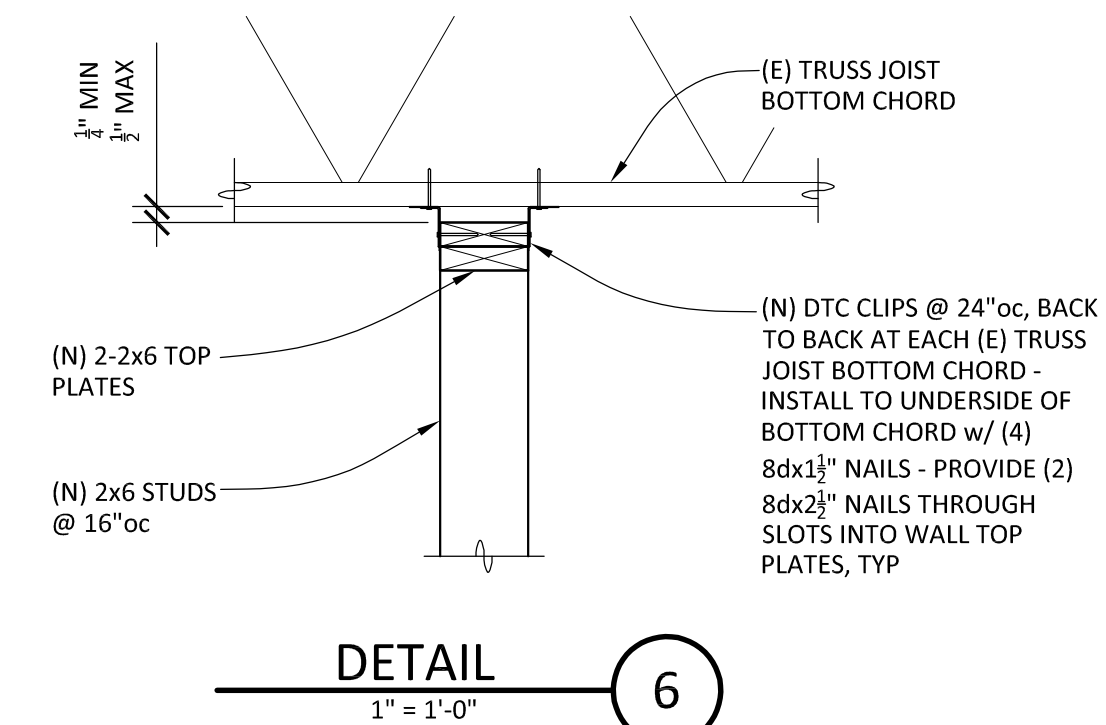
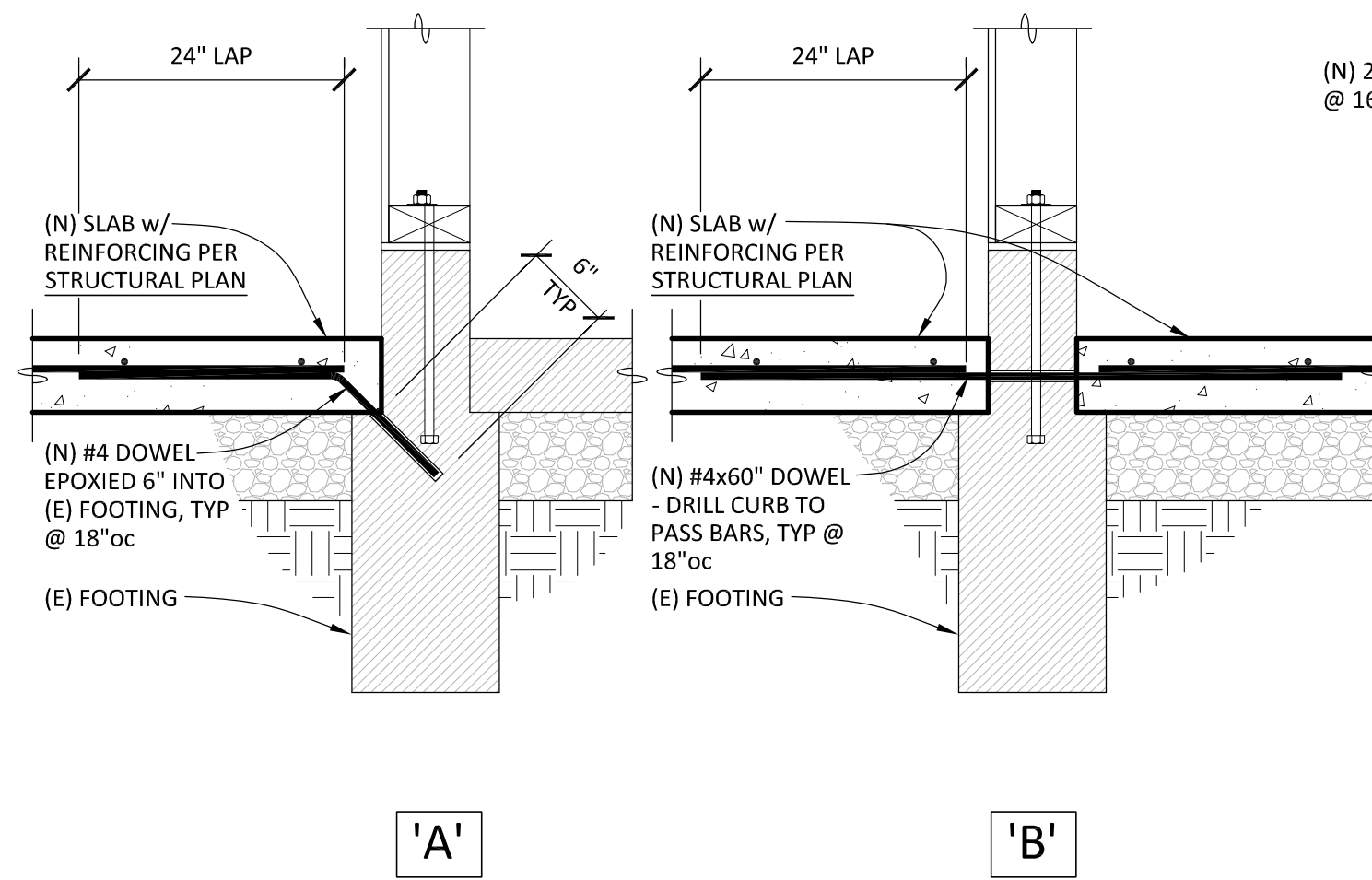
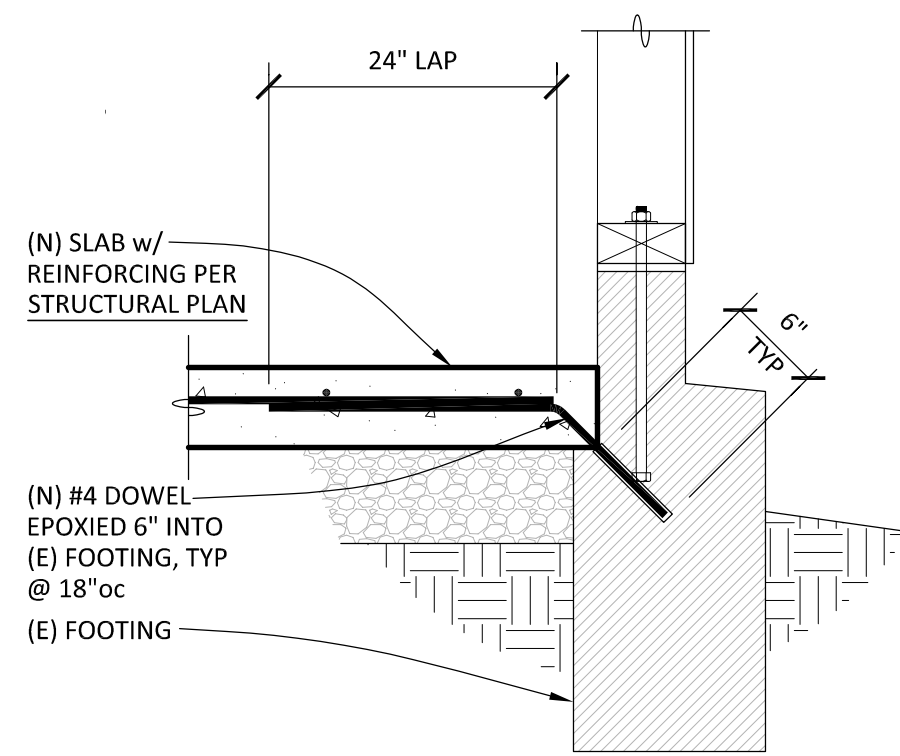
SHEET NO.

S3.1



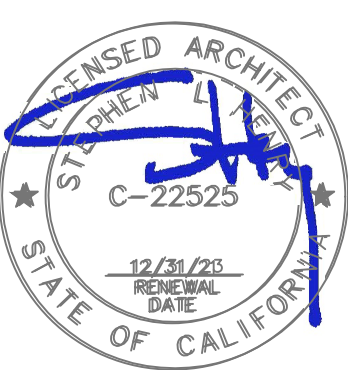
DETAIL NOTES:

- THIS BLOCK OF NOTES APPLIES TO THE DETAILS ON THIS PAGE.
- SIMPSON SET-XP EPOXY MAY BE USED IN LIEU OF THE SPECIFIED HILTI EPOXY AT THE CONTRACTOR'S OPTION. SIMPSON SET-XP EPOXY IS TO BE PER ICC-ES ESR-2508.
- WHERE TITEN ANCHORS ARE NOTED TO BE INSTALLED IN NEW CONCRETE CURBS, 1/2"x10" HEADED OR J BOLTS MAY INSTEAD BE USED AT THE CONTRACTOR'S OPTION. SEE DETAILS 8, 11 AND 14 ON THIS SHEET.
- POCKETS OR VOIDS IN NEWLY PLACED CONCRETE ARE TO BE PATCHED WITH SIK-328 OR EQUIVALENT NON-SHRINK HIGH-STRENGTH GROUT.
- UTILITIES MAY PASS THROUGH SILL PLATES PROVIDED THE HOLES ARE CENTERED WITHIN THE MIDDLE 1/3 OF THE PLATE WIDTH. ANY HOLES FALLING OUTSIDE OF THE MIDDLE 1/3 OF THE PLATE WIDTH ARE TO BE TREATED AS BREAKS IN THE PLATE, WITH ADDITIONAL ANCHOR BOLTS TO BE ADDED 4" MIN/12" MAX FROM THE EDGE OF THE HOLE.



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Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

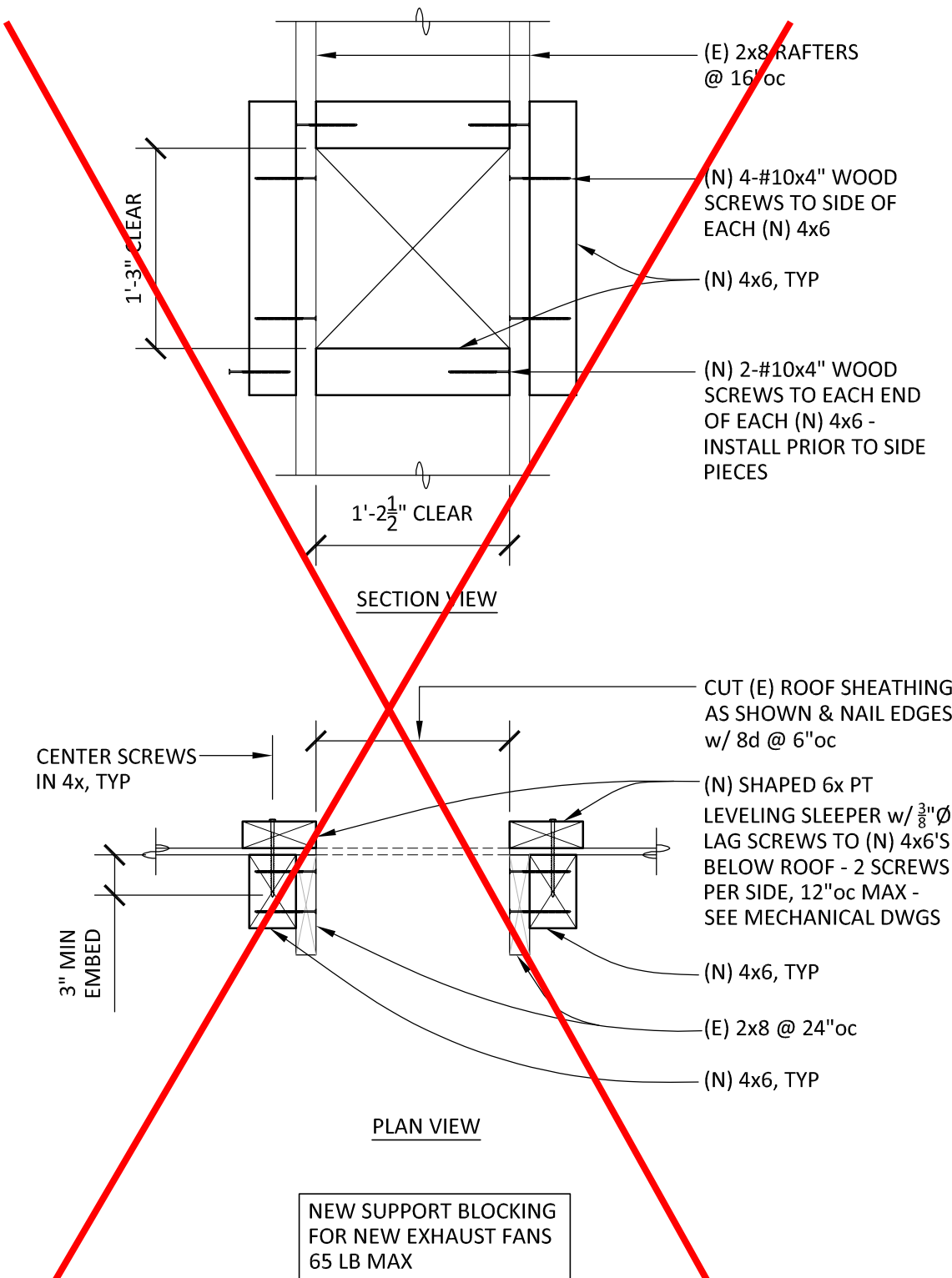
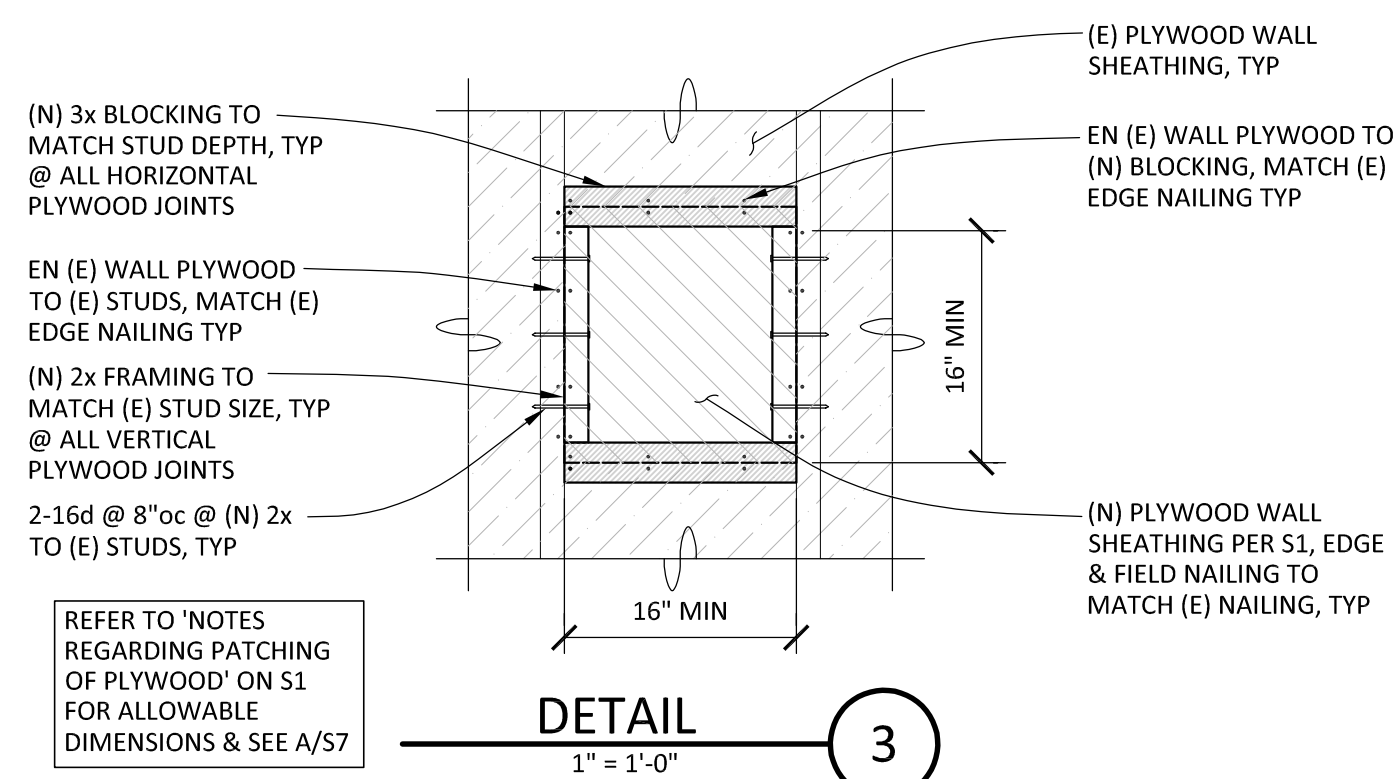
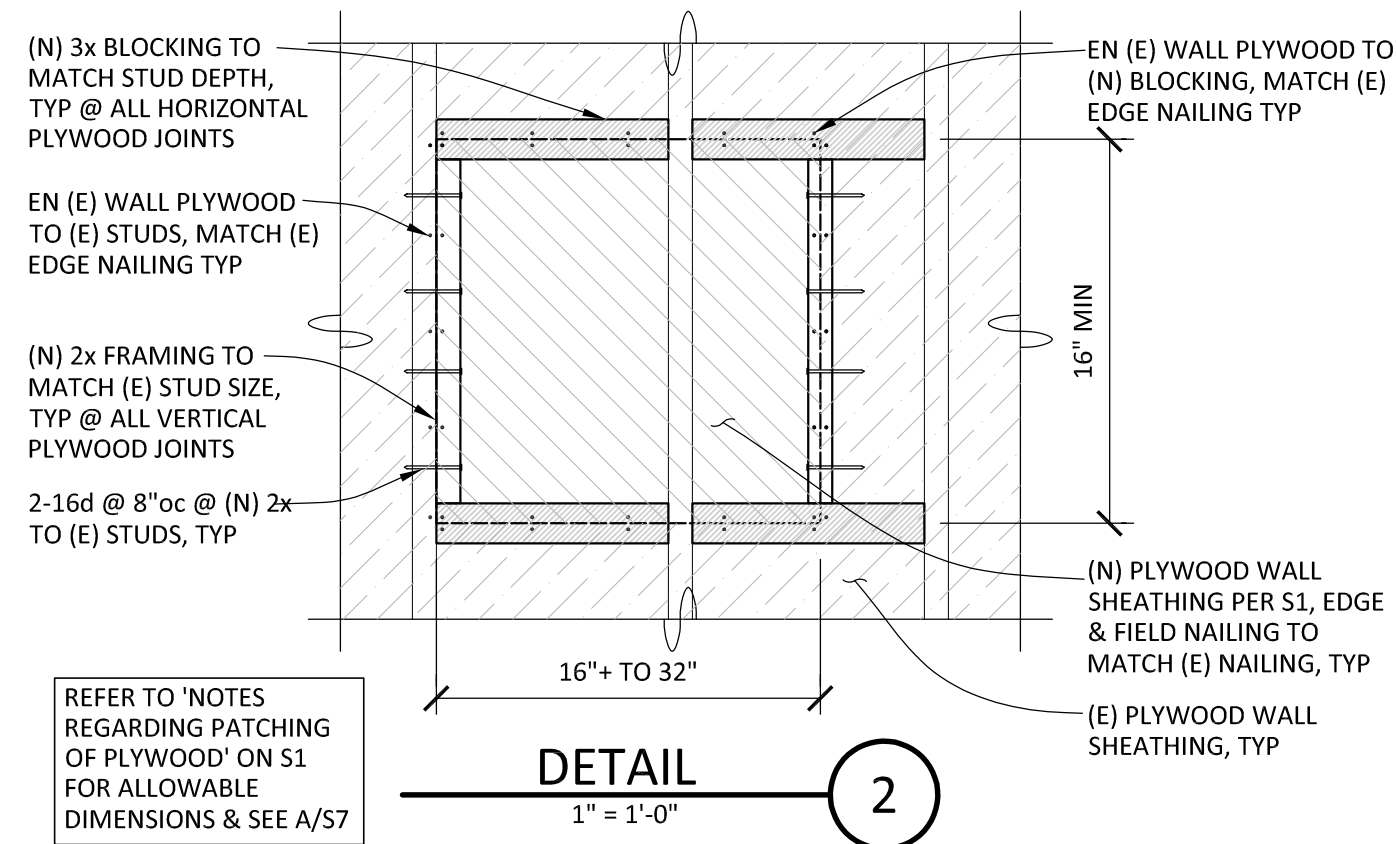
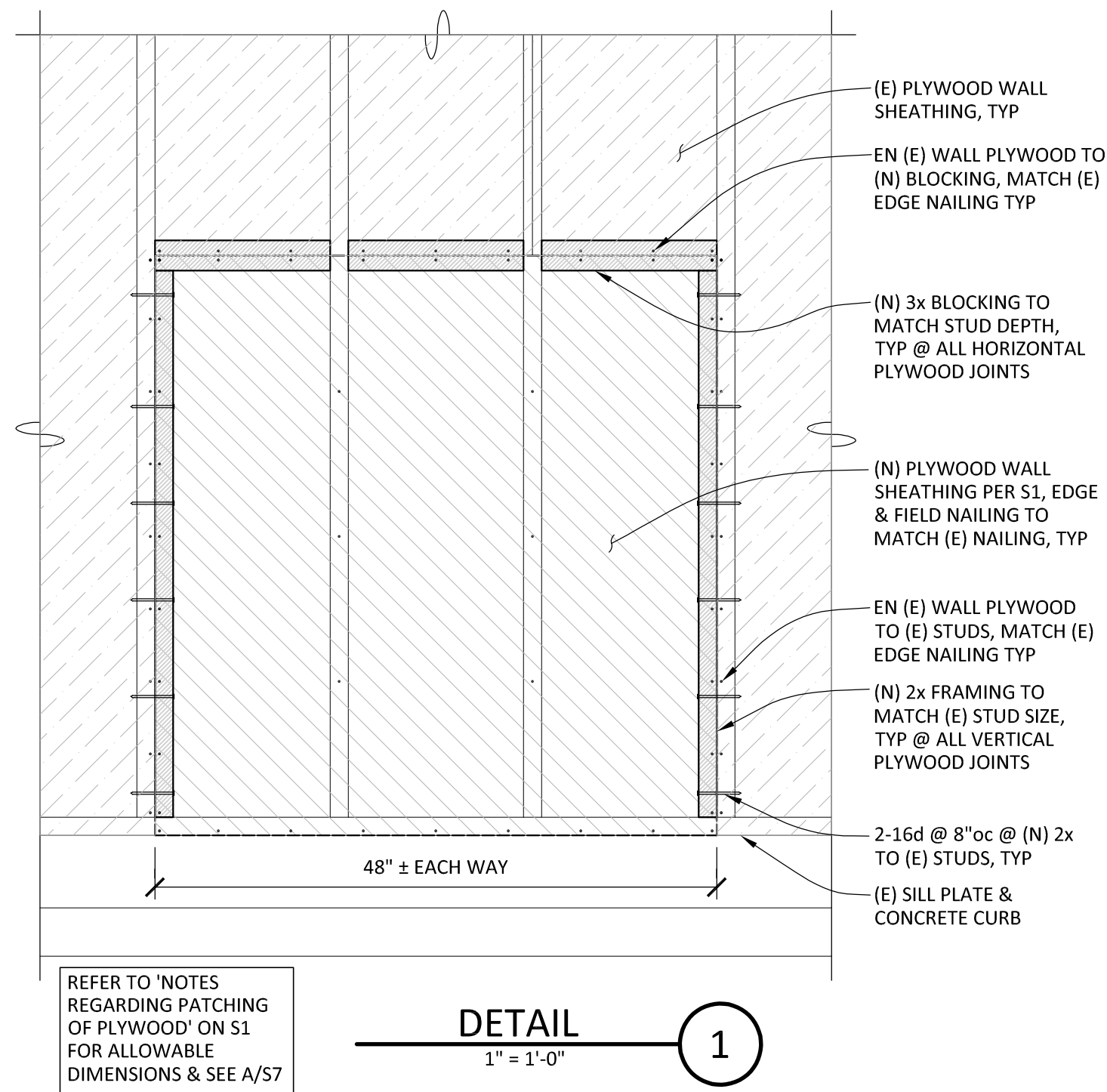
DETAILS

RW CONSULTING
Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

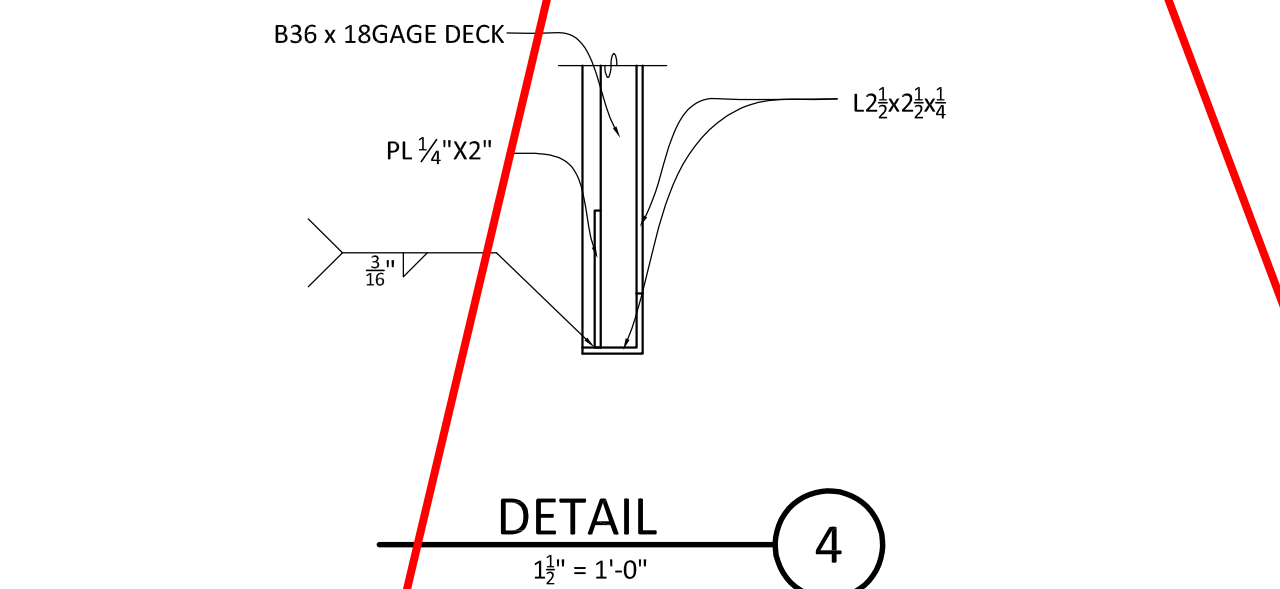
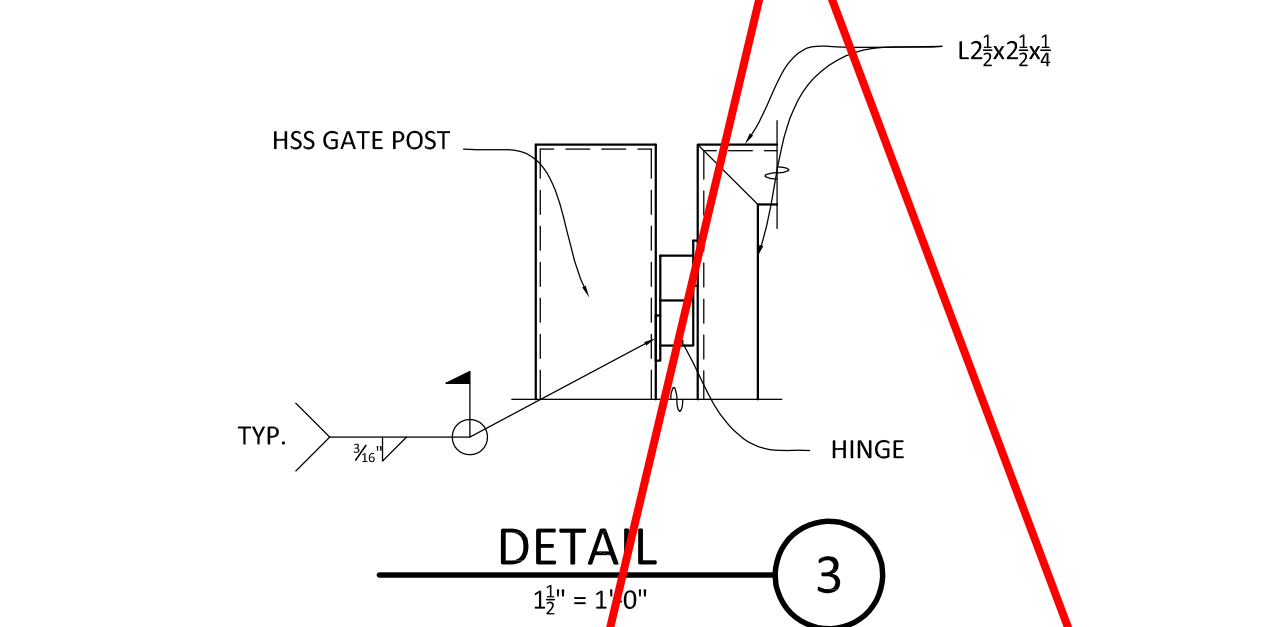
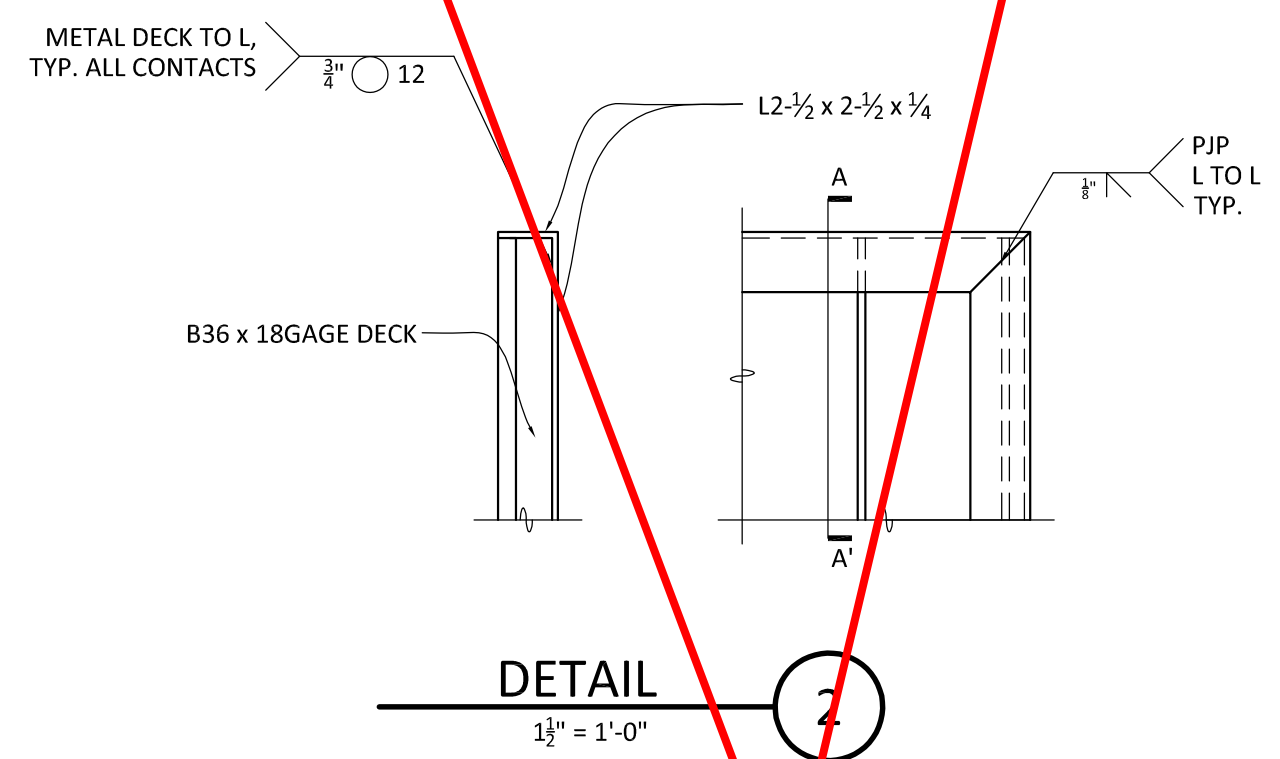
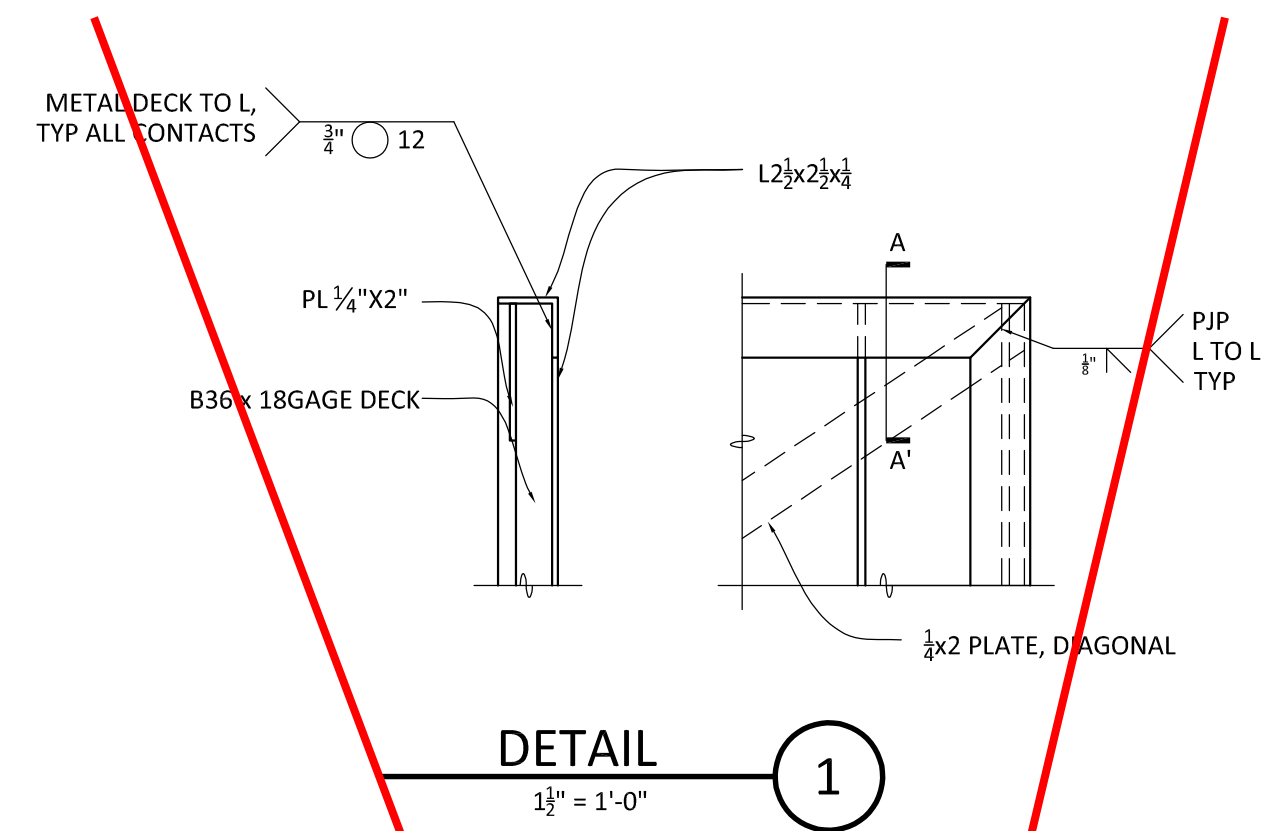
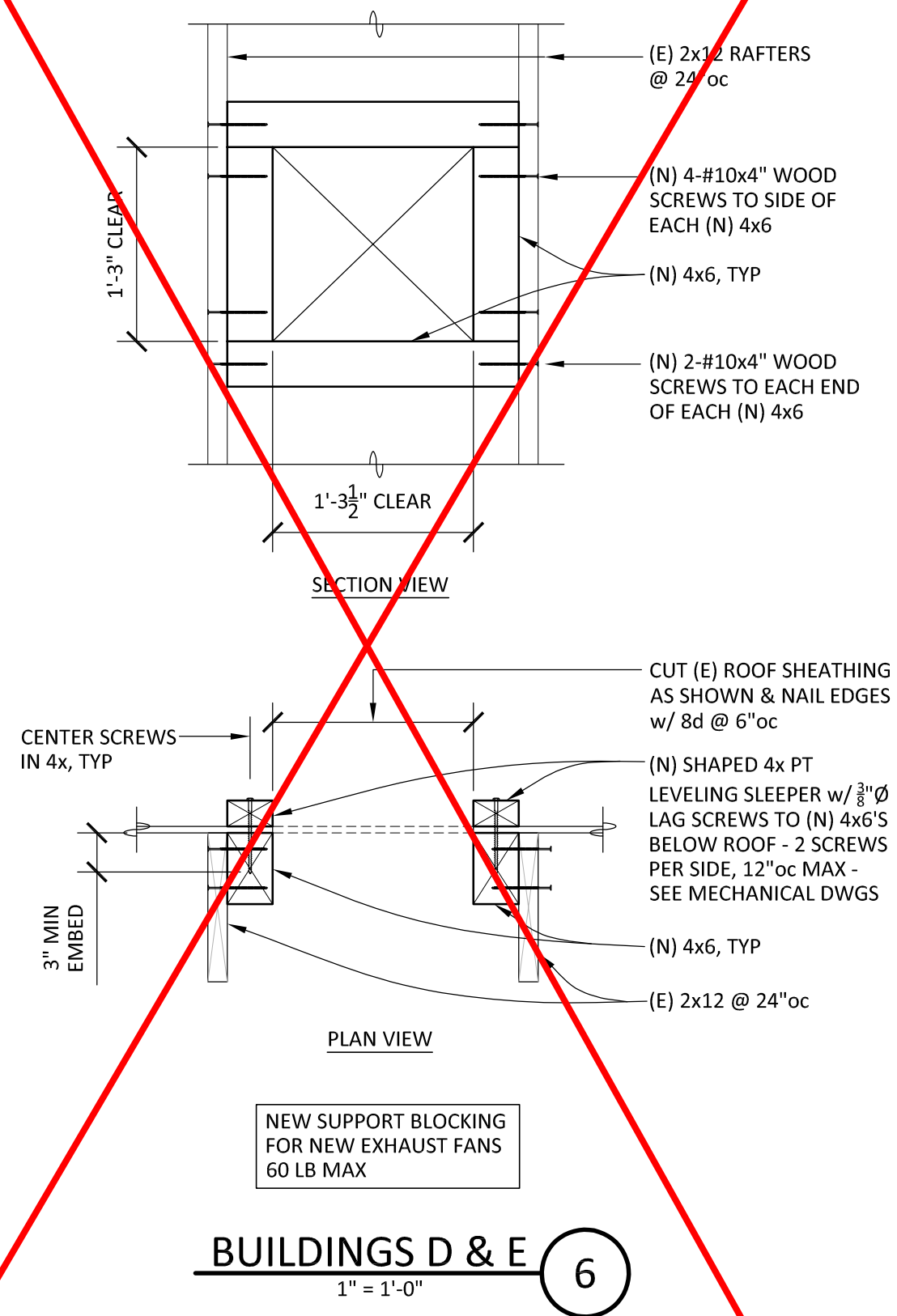
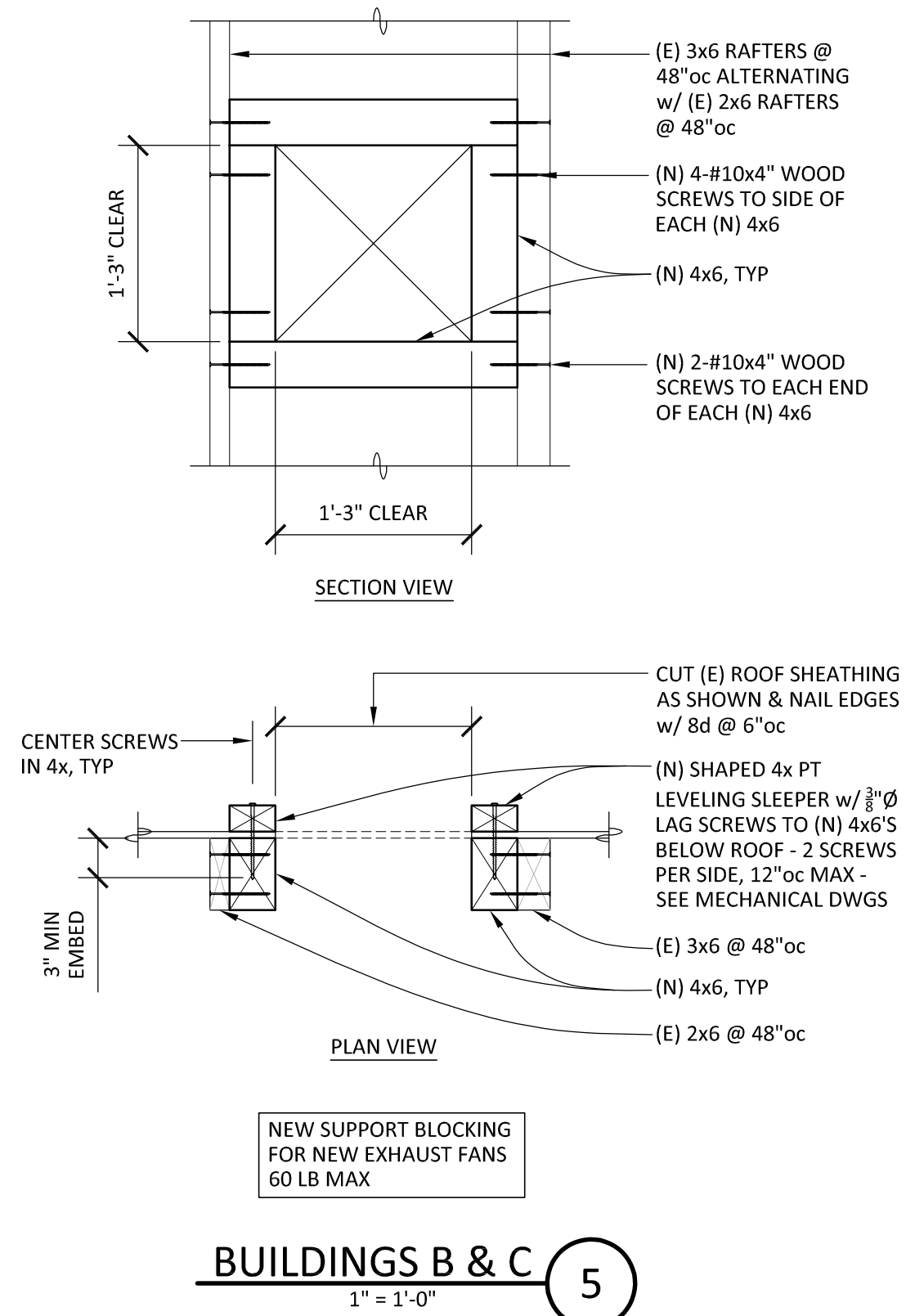
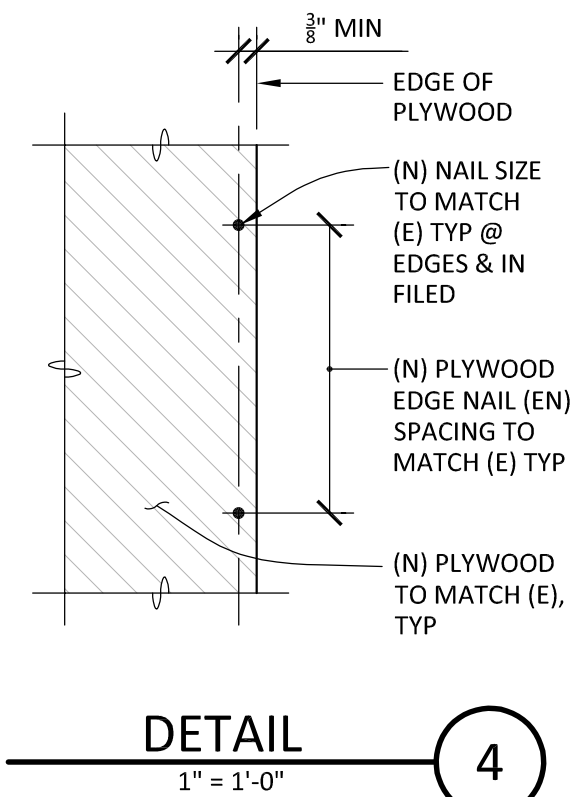


PROJECT NO.	REVISIONS	BY
22-066		
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5/26/2022		
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SHEET NO.		

S4.1



- PLYWOOD SHEATHING NOTES:
1. ANY DAMAGED SECTIONS OF PLYWOOD DISCOVERED MAY BE REMOVED AND REPLACED PER DETAIL 1 CONTAINED HEREIN. THE ENTIRE SHEET DOES NOT NEED TO BE REPLACED. THE SECTION OF REMOVED PLYWOOD SHALL BE AT LEAST ONE FULL STUD BAY OR 16" MINIMUM IN WIDTH.
 2. SECTIONS OF PLYWOOD MAY BE REMOVED AND REPLACED FOR THE PURPOSES OF ADDING BLOCKING OR BACKING PER DETAILS 2 AND 3 CONTAINED HEREIN.
 3. HOLES MAY BE DRILLED IN THE EXISTING PLYWOOD TO INSTALL PLUMBING LINES, SUCH AS THE NOTED 3/4" PENETRATION. HOLES UP TO 6-1/2" ON EITHER SIDE MAY BE CUT IN THE EXISTING PLYWOOD AS REQUIRED. THERE SHALL BE NO MORE THAN ONE HOLE GREATER THAN 2" IN ANY DIMENSION PER STUD BAY. BLOCK EDGES OF SQUARE CUT HOLES WHERE PRACTICABLE. PLEASE INFORM THE AOR AND OUR OFFICE IF THESE PARAMETERS ARE NOT WORKABLE.
 4. REFER TO THE NOTES CONTAINED HEREIN FOR MATERIAL SPECS. PLYWOOD NAILING IS TO MATCH THAT OF THE EXISTING CONDITIONS, WITH A MINIMUM OF 8D @ 6"OC ALONG ALL EDGES AND 12"OC WITHIN ALL FIELD AREAS. REFER TO DETAIL A. PLEASE NOTE, PER THE RECORD DRAWINGS, THE WALL AT BUILDING F SEPARATING THE RESTROOMS FROM THE MP ROOM HAS A NAIL SPACING OF 4"OC. THIS IS TO BE MATCHED.



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HENRY+ASSOCIATES ARCHITECTS

**MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)**

DETAILS

RW CONSULTING Engineers Inc
1450 HARBOR BLVD SUITE F
WEST SACRAMENTO, CA 95691
916.716.6910

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S4.2

9 OF 9 SHEETS

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MECHANICAL GENERAL NOTES	
1.	ALL WORK SHALL COMPLY WITH ALL APPLICABLE CODES, SPECIFICATIONS, LOCAL ORDINANCES AND INDUSTRY STANDARDS.
2.	VERIFY EXACT LOCATION OF ALL (E) EQUIPMENT, DUCTWORK, DIFFUSERS, REGISTERS AND GRILLES. NOTIFY ARCHITECT IMMEDIATELY OF ANY DISCREPANCIES BETWEEN (E) SYSTEMS AND DRAWINGS.
3.	COORDINATE EXACT LOCATION OF EQUIPMENT AND ALL PENETRATIONS THROUGH ROOF, FLOORS AND WALLS WITH ARCHITECTURAL STRUCTURAL SYSTEMS PRIOR TO COMMENCING WORK.
4.	COORDINATE EXACT SIZE AND ROUTING OF DUCTWORK WITH ARCHITECTURAL PLANS, STRUCTURE AND EQUIPMENT PRIOR TO COMMENCING WORK.
5.	SEE ARCHITECTURAL REFLECTED CEILING PLAN FOR EXACT LOCATION OF ALL CEILING DIFFUSERS, REGISTERS AND GRILLES.
6.	FURNISH AND INSTALL MANUAL AIR DAMPERS AT ALL DUCT BRANCH TAKEOFFS TO A SINGLE SUPPLY DUFFUSER.
7.	FLEXIBLE DUCTWORK CONNECTIONS TO CEILING DIFFUSERS ARE LIMITED TO 5' MAXIMUM LENGTH.
8.	ALL DUCTWORK, CEILING DIFFUSERS/REGISTERS/GRILLES, EQUIPMENT, PIPING ETC., ARE NEW U.O.N. (SHOWN HEAVY). (E) DUCTWORK, PIPING ETC. IS SHOWN LIGHT. SEE LEGEND.
9.	(E) DUCTWORK AND ITEMS TO BE REMOVED ARE SHOWN CROSSED ("X") OUT, SEE LEGEND, COORDINATE CLOSELY WITH (N) DUCTWORK AND P.O.C.'S SHOWN. ALL OTHER (E) DUCTWORK, ETC. TO REMAIN.
10.	WHERE INLET DUCT DIAMETER AND DIFFUSER NECK SIZE ARE THE SAME (I.E. 9"Ø & 9x9) CONTRACTOR SHALL OVERSIZE THE SHEET METAL PLENUM TO ACCOMODATE THE ROUND DUCT CONNECTION.
11.	THERMOSTATS AND ROOM TEMPERATURE SENSORS SHALL BE INSTALLED AT 46" ABOVE FINISHED FLOOR (TO TOP OF DEVICE). DO NOT INSTALL THERMOSTATS AND ROOM TEMPERATURE SENSORS ABOVE CASEWORK, SHELVING OR OTHER OBSTRUCTIONS OVER 24" IN DEPTH AND 34" IN HEIGHT.
12.	REFER TO ARCHITECTURAL PLANS FOR ALL WORK REQUIRED AROUND THE EXISTING ROOF MOUNTED EQUIPMENT, FLUES, PIPING, VENTS, ETC. REGARDING THE CLEANING OF THE ROOF AND THE APPLICATION OF THE FLASHING AND RESTORATION SYSTEM SET FORTH IN THE ARCHITECTURAL PLANS.

GENERAL DEMOLITION EQUIPMENT NOTES	
1.	REMOVE EXISTING NOVAR CONTROLS AND DELIVER TO THE DISTRICT YARD.

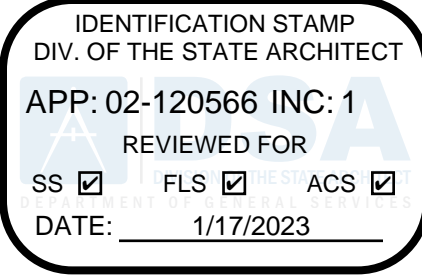
MEP COMPONENT ANCHORAGE NOTE	
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.	
1.	ALL PERMANENT EQUIPMENT AND COMPONENTS.
2.	TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTIACLES HAVING FLEXIBLE CABLE.
3.	TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.
THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.	
A.	COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
B.	COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.
THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.	

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE	
PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.	
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PREAPPROVED INSTALLATION GUIDE (e.g. OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.	
MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):	
MP <input checked="" type="checkbox"/> MD <input checked="" type="checkbox"/> PP <input type="checkbox"/> E <input type="checkbox"/>	OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS
MP <input type="checkbox"/> MD <input type="checkbox"/> PP <input type="checkbox"/> E <input type="checkbox"/>	OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) #0043-13

MECHANICAL LEGEND cont'd		
SYMBOL	ABBREVIATION	DESCRIPTION
°F	BHP	BRAKE HORSE POWER
	BTU(H)	BRITISH THERMAL UNITS (PER HOUR)
	CLG	CEILING
	CFM	CUBIC FEET OF AIR FLOW PER MINUTE
	DPR	DAMPER
		DEGREES FAHRENHEIT
	DIA	DIAMETER , PHASE
	DL	DOOR LOUVER
	DN	DOWN
	EA	EXHAUST AIR
	EAD	EXHAUST AIR DAMPER
	EF	EXHAUST FAN
	(E), EXIST	EXISTING
	(E)	EXISTING TO BE REMOVED
	ESP	EXTERNAL STATIC PRESSURE
	FPM	FEET PER MINUTE
	FA	FROM ABOVE
	FB	FROM BELOW
	FLA	FULL LOAD AMPS
	GA	GAUGE
	KW	KILOWATTS
	KWH	KILOWATT HOUR
	LRA	LOCKED ROTOR AMPERES
	LVR	LOUVER
	MAD, MD	MANUAL AIR DAMPER
	MIN	MINIMUM
	(N)	NEW
	POC	POINT OF CONNECTION
	RA	RETURN AIR
	RAD	RETURN AIR DAMPER
	SM	SHEET METAL
	SQFT	SQUARE FEET
	SQIN	SQUARE INCHES
	SP	STATIC PRESSURE
	SA	SUPPLY AIR
	T	THERMOSTAT, "X" INDICATES DEVICE CONTROLLED. 46" AFF (TO TOP OF STAT)
	TSP	TOTAL STATIC PRESSURE
	TYP	TYPICAL
	UCD	UNDER CUT DOOR
	UON	UNLESS OTHERWISE NOTED
	WT	WEIGHT

DIFFUSER, REGISTER & GRILLE SCHEDULE						
SYMBOL	DESCRIPTION	KRUEGER	METALAIRE	NAILOR	TITUS	TUTTLE & BAILEY
R, T, E	CEILING OR SIDEWALL RETURN, TRANSFER OR EXHAUST GRILLE WITH 36" OR 48" HORIZONTAL BARS.	S 80 H	SRH	7145 H	350 RL	T70D
NOTES: 1. ALL SYMBOLS NOTED MAY NOT BE USED. REFER TO PLANS FOR SIZE AND QUANTITY. 2. FURNISH ALL PRODUCTS OF A SINGLE MANUFACTURER. 3. COORDINATE DIFFUSER TYPE WITH ARCHITECTURAL REFLECTED CEILING PLAN.						

CALIFORNIA ENERGY CODE - ACCEPTANCE TESTING	
1.	THE CALIFORNIA ENERGY CODE SECTION 10-103 REQUIRES ACCEPTANCE TESTING ON ALL NEWLY INSTALLED LIGHTING CONTROLS, MECHANICAL SYSTEMS, ENVELOPES, AND PROCESS EQUIPMENT AFTER INSTALLATION AND BEFORE PROJECT COMPLETION. AN ACCEPTANCE TEST IS A FUNCTIONAL PERFORMANCE TEST TO HELP ENSURE THAT NEWLY INSTALLED EQUIPMENT IS OPERATING AND IN COMPLIANCE WITH THE ENERGY CODE.
LIGHTING CONTROLS ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED LIGHTING CONTROLS ACCEPTANCE TEST TECHNICIAN (ATT).	
MECHANICAL SYSTEM ACCEPTANCE TESTS MUST BE PERFORMED BY A CERTIFIED MECHANICAL ATT FOR PROJECTS SUBMITTED ON OR AFTER OCTOBER 1, 2021.	
A LISTING OF CERTIFIED ATT CAN BE FOUND AT HTTPS://WWW.ENERGY.CA.GOV/PROGRAMS-AND-TOPICS/PROGRAMS/ACCEPTANCE-TEST-TECHNICIAN-CERTIFICATION-PROVIDER-PROGRAM/ACCEPTANCE	
THE ACCEPTANCE TESTING PROCEDURES MUST BE REPEATED, AND DEFICIENCIES MUST BE CORRECTED BY THE BUILDER OR INSTALLING CONTRACTOR UNTIL THE CONSTRUCTION/INSTALLATION OF THE SPECIFIED SYSTEMS CONFORM AND PASS THE REQUIRED ACCEPTANCE CRITERIA.	
PROJECT INSPECTORS WILL COLLECT THE FORMS TO CONFIRM THAT THE REQUIRED ACCEPTANCE TESTS HAVE BEEN COMPLETED.	



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

MECHANICAL -
LEGEND, NOTES AND
SCHEDULE

CONSULTANT		
DATE SIGNED: 12/21/2022		
PROJECT NO. 21-32-053	REVISIONS	BY
DATE 5/26/2022		
DRAWN MS		
CHECKED JCBS		
SCALE AS SHOWN		
CADFILE M0.1.DWG		
UPDATED 12/21/2022		
SHEET NO.		
M0.1		
OF 131 SHEETS		

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EXHAUST FAN SCHEDULE													
UNIT	SERVES	MANUFACTURER MODEL NO.	CFM	ESP (IN. W.G.)	ROOF OPENING SIZE (IN.)	STYLE	RPM	HP (WATTS)	VOLT/PH	MAX. OPER. WT. (LBS.)	MOUNTING DETAIL	CONTROL DIAGRAM	NOTES
CEF 1A	BUILDING A TOILET A108	"GREENHECK" SP-A190	130	0.3	NA	CE	1400	(44)	115/1	25	5 M5.1	3 M6.2	1 2 3 4
CEF 2A	BUILDING A TOILET A111	"GREENHECK" SP-A190	130	0.3	NA	CE	1400	(44)	115/1	25	5 M5.1	3 M6.2	1 2 3 4
CEF 3A	BUILDING A TOILET A112	"GREENHECK" SP-A190	130	0.3	NA	CE	1400	(44)	115/1	25	5 M5.1	3 M6.2	1 2 3 4
REF 1B	BUILDING B GIRLS B121	"GREENHECK" G-09S-VG	340	0.4	12.5" X 12.5"	REU	1223	1/6	115/1	55	7 M5.1	3 M6.2	1 2 3 4 5
REF 1C	BUILDING C BOYS C132	"GREENHECK" G-09S-VG	340	0.4	12.5" X 12.5"	REU	1223	1/6	115/1	55	7 M5.1	3 M6.2	1 2 3 4 5
REF 1D	BUILDING D GIRLS D109	"GREENHECK" G-09S-VG	340	0.4	12.5" X 12.5"	REU	1223	1/6	115/1	55	7 M5.1	3 M6.2	1 2 3 4 5
REF 2D	BUILDING D WOMEN 109, UNISEX 110	"GREENHECK" G-09S-VG	280	0.4	12.5" X 12.5"	REU	1480	1/10	115/1	45	7 M5.1	3 M6.2	1 2 3 4 5
REF 1E	BUILDING E BOYS E110	"GREENHECK" G-09S-VG	340	0.4	12.5" X 12.5"	REU	1223	1/6	115/1	55	7 M5.1	3 M6.2	1 2 3 4 5
REF 1F	BUILDING F UNISEX F109, WOMEN F110	"GREENHECK" G-09S-VG	600	0.4	14.5" X 14.5"	REU	1500	1/4	115/1	60	7 M5.1	3 M6.2	1 2 3 4 5
STYLE: RED- ROOF EXHAUST DOWNBLAST, REU- ROOF EXHAUST UPBLAST, CAB- IN LINE CABINET, CE- CEILING, UT- UTILITY SET, WE- WALL EXHAUST													
NOTES: 1 PROVIDE WITH THERMAL OVERLOAD PROTECTED MOTOR. 5 PROVIDE MANUFACTURER'S FACTORY 14" HIGH ROOF CURB. 2 PROVIDE BACKDRAFT DAMPER. 3 PROVIDE WITH FACTORY SOLID STATE SPEED CONTROLLER. 4 INTERLOCK WITH ROOM LIGHTS AND PROVIDE A 5 MINUTE TIME DELAY.													

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MODERNIZATION VINEWOOD
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(INCREMENT 1)

MECHANICAL -
EQUIPMENT SCHEDULE



DATE SIGNED: 12/21/2022

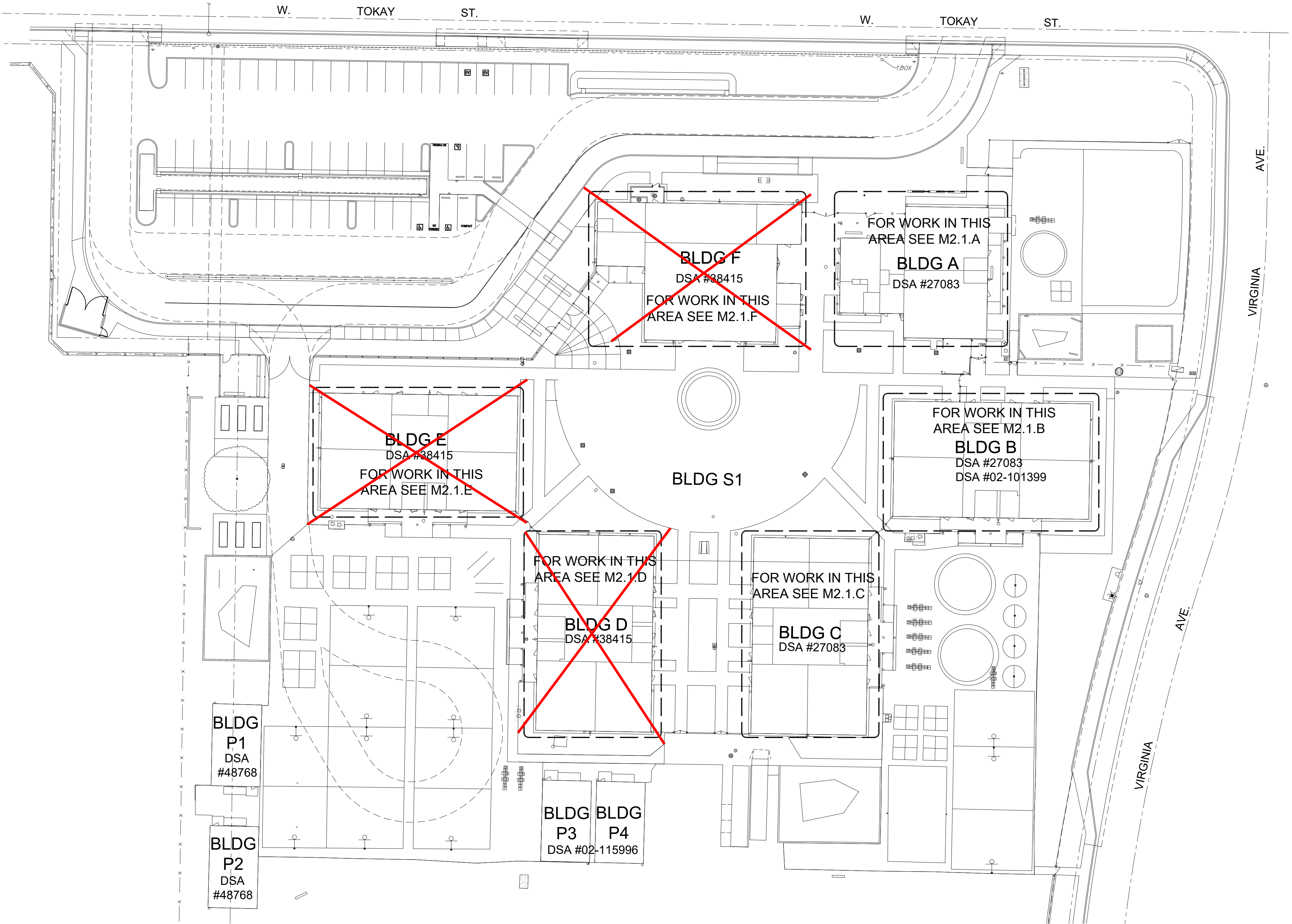
PROJECT NO. 21-32-053	REVISIONS	BY
DATE 5/26/2022		
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CHECKED JCBS		
SCALE AS SHOWN		
CADFILE M0.2.DWG		
UPDATED 12/21/2022		
SHEET NO.		

M0.2



RANDY CORONA, CALIFORNIA
MCM - RLJH 22021100
PM - DESIGN TEAM PROJECT NO.

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MECHANICAL - OVERALL SITE PLAN 1
SCALE : 1" = 30'-0" M1.1

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MECHANICAL -
SITE PLAN

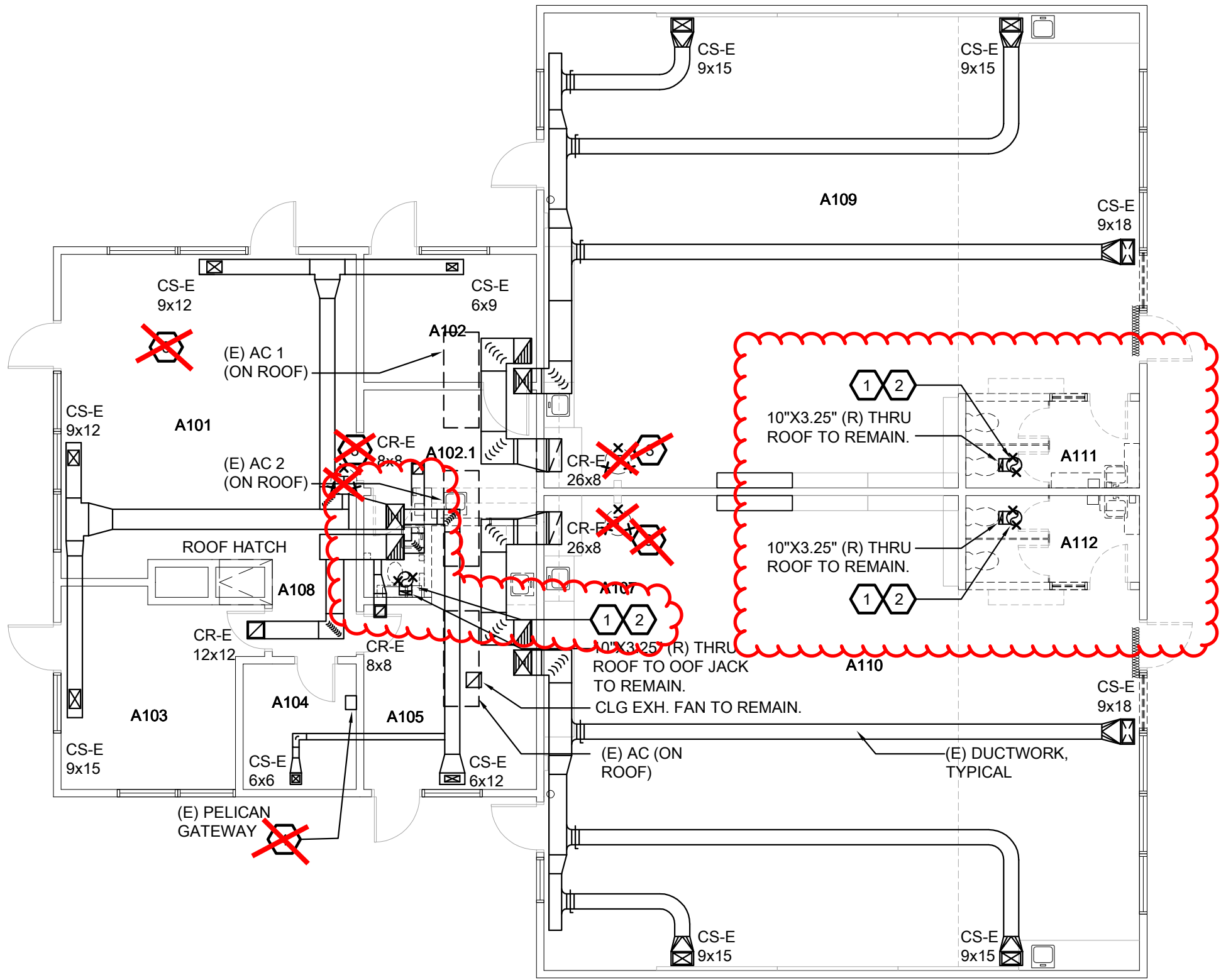
CONSULTANT

DATE SIGNED: 12/21/2022

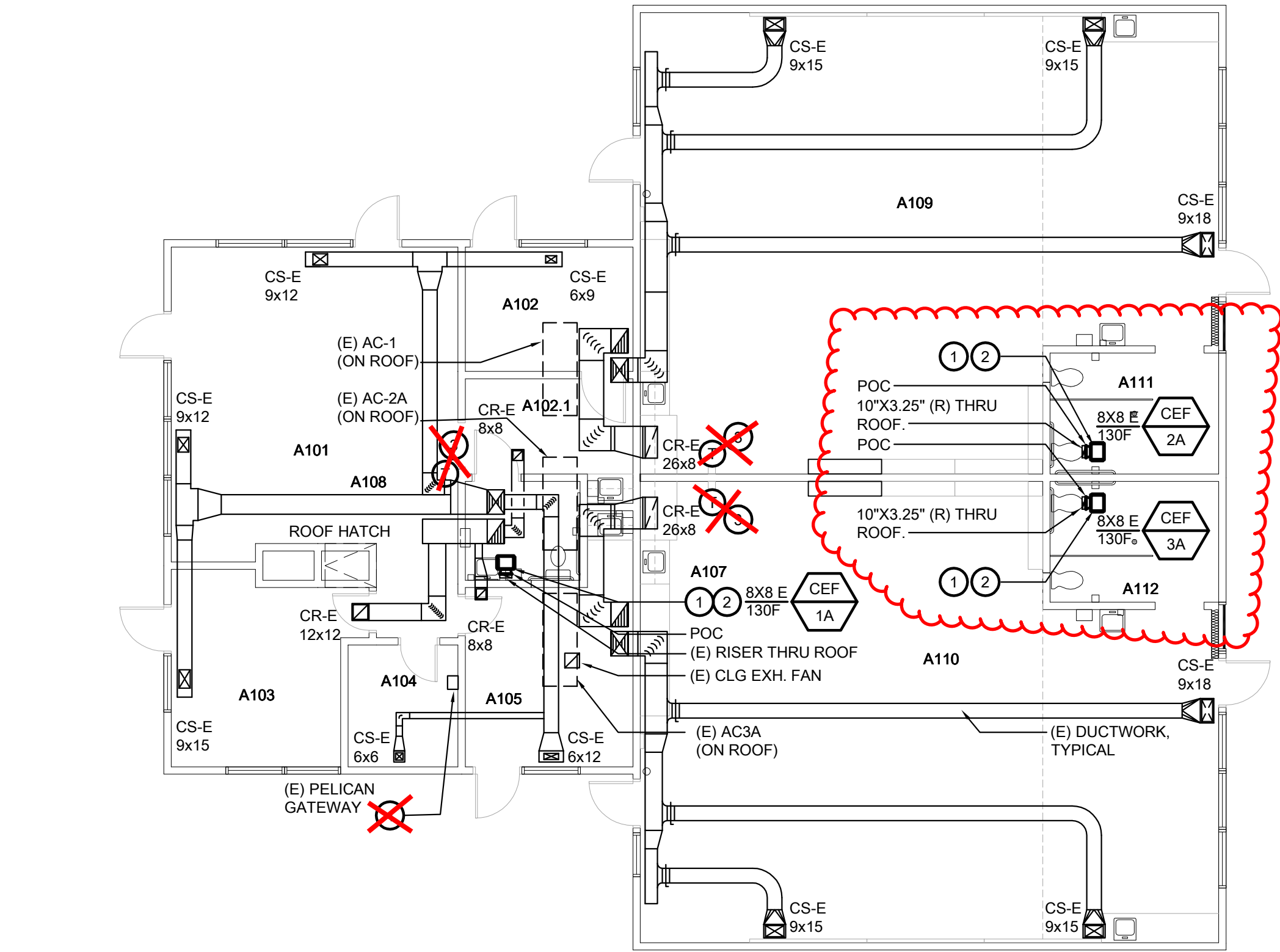
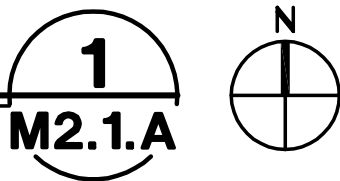
PROJECT NO. 21-32-053	REVISIONS	BY
DATE 5/26/2022		
DRAWN MS		
CHECKED JCBS		
SCALE AS SHOWN		
CADFILE M1.1.DWG		
UPDATED 12/21/2022		
SHEET NO.		

M1.1

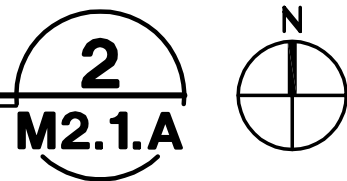
QC	
INI	%



MECHANICAL - BLDG A DEMOLITION PLAN
SCALE : 1/8" = 1'-0"



MECHANICAL - BLDG A FLOOR PLAN
SCALE : 1/8" = 1'-0"



EXISTING UNIT VENTILATION SCHEDULE		
UNIT	OA UPPER	OA LOWER
AC-1A	310	170
AC-2A	310	180
AC-3A	310	170

DEMOLITION SHEET NOTES:

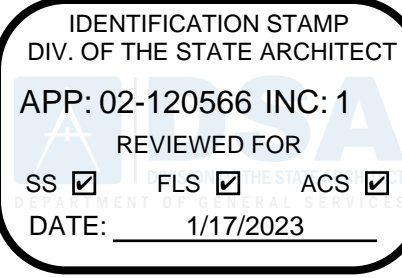
- 1 REMOVE EXISTING CEILING EXHAUST FAN. PREPARE FOR NEW CEILING EXHAUST FAN AND PREPARE FOR RECONNECTION TO EXISTING DUCT THRU ROOF.
- 2 REMOVE EXISTING EXHAUST GRILLE. PREPARE FOR NEW GRILLE.
- 3 REMOVE EXISTING THERMOSTAT. CAP CONDUIT BETWEEN ARCHITECTURAL SUBEACES. PREPARE FOR NEW STAT WITH TOP OF BOX AT 46" AFF.
- 4 REMOVE PELICAN GATEWAY.

GENERAL NOTES:

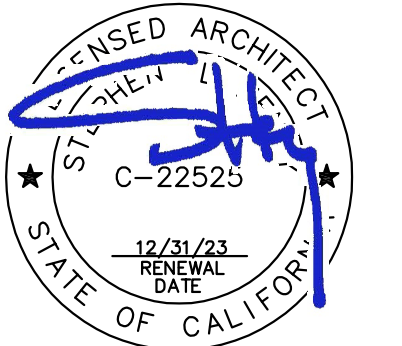
1. EXISTING MULTIZONE UNITS (MU) SERVING THE SPACES WILL REMAIN. THE MU'S HAVE MULTIPLE DUCT DROPS TO DIFFERENT ZONE(S) WITH INDIVIDUAL THERMOSTATS.

SHEET NOTES:

- 1 NEW CEILING MOUNTED EXHAUST FAN. RECONNECT TO EXISTING DUCTWORK BELOW ROOF DECK. TRANSITION FROM 8X8 UNIT CONNECTION SIZE TO (E) DUCT SIZE RISER THRU ROOF.
- 2 NEW EXHAUST GRILLE. CONNECT TO NEW CEF.
- 3 (N) THERMOSTAT. MOUNT STAT WITH TOP OF BOX AT 46" AFF.
- 4 EXISTING PELICAN GATEWAY.



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Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

MECHANICAL -
DEMOLITION & FLOOR
PLANS - BUILDING A



DATE SIGNED: 12/21/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MS		
CHECKED		
JCBS		
SCALE		
AS SHOWN		
CADFILE		
M2.1.A.DWG		
UPDATED		
12/21/2022		
SHEET NO.		

M2.1.A

OF 131 SHEETS

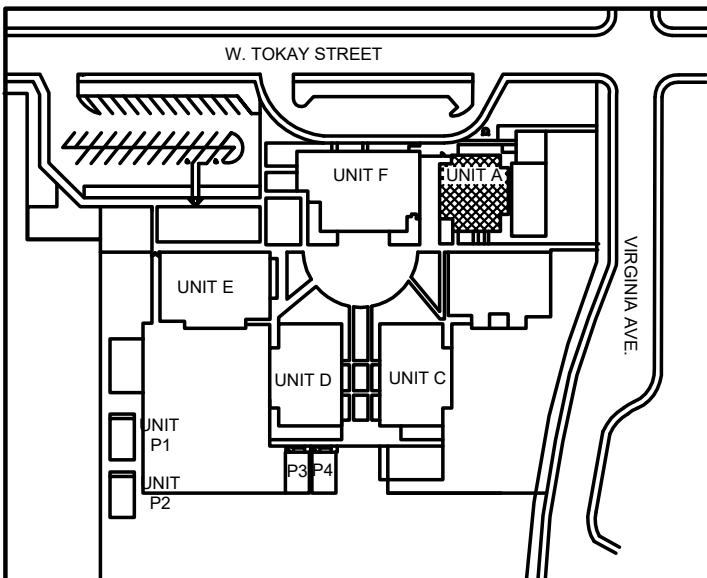


RANDI CORONA, CALIFORNIA

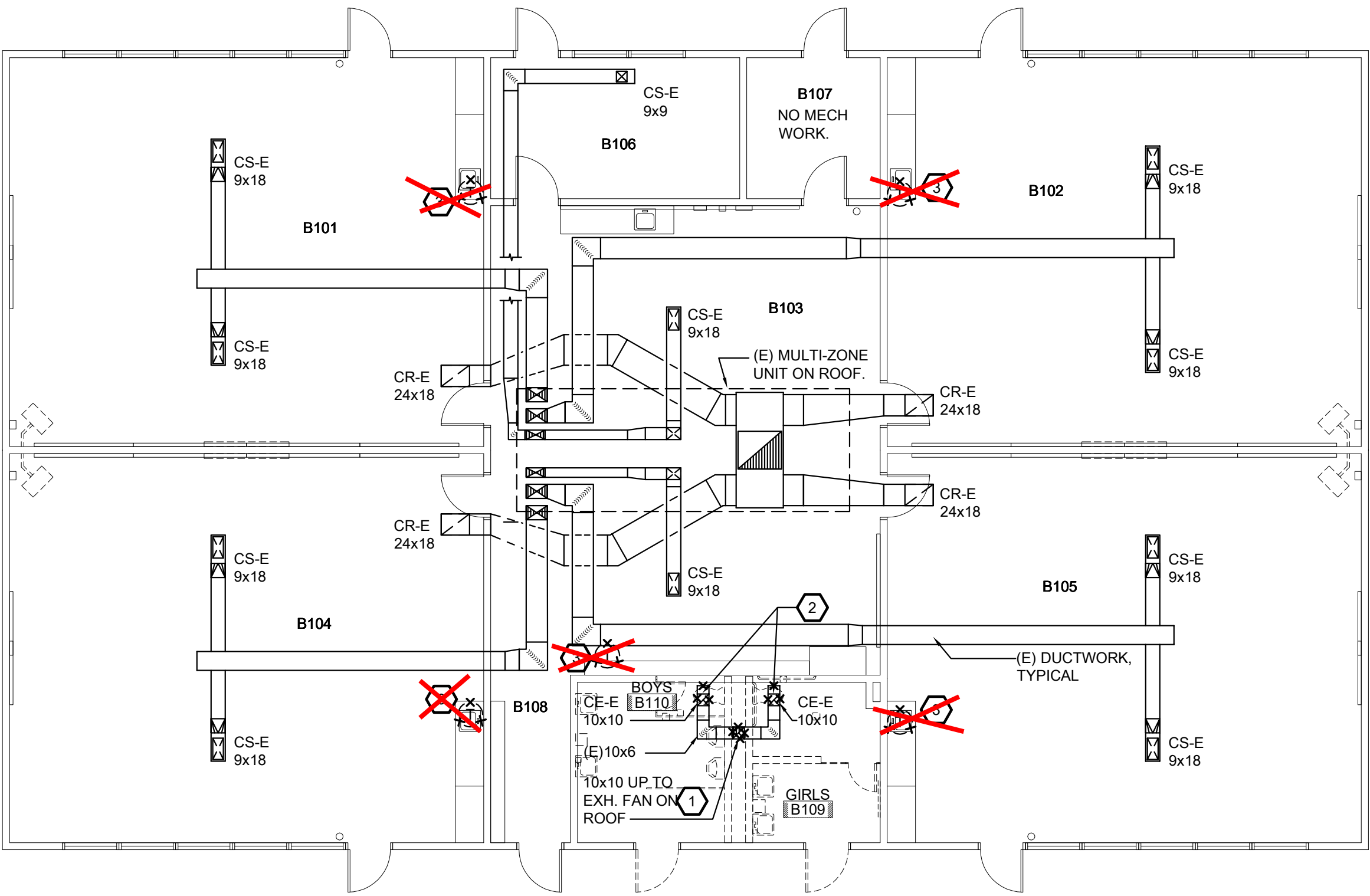
MCM - RLJH 22021100

PM - DESIGN TEAM PROJECT NO.

KEYPLAN



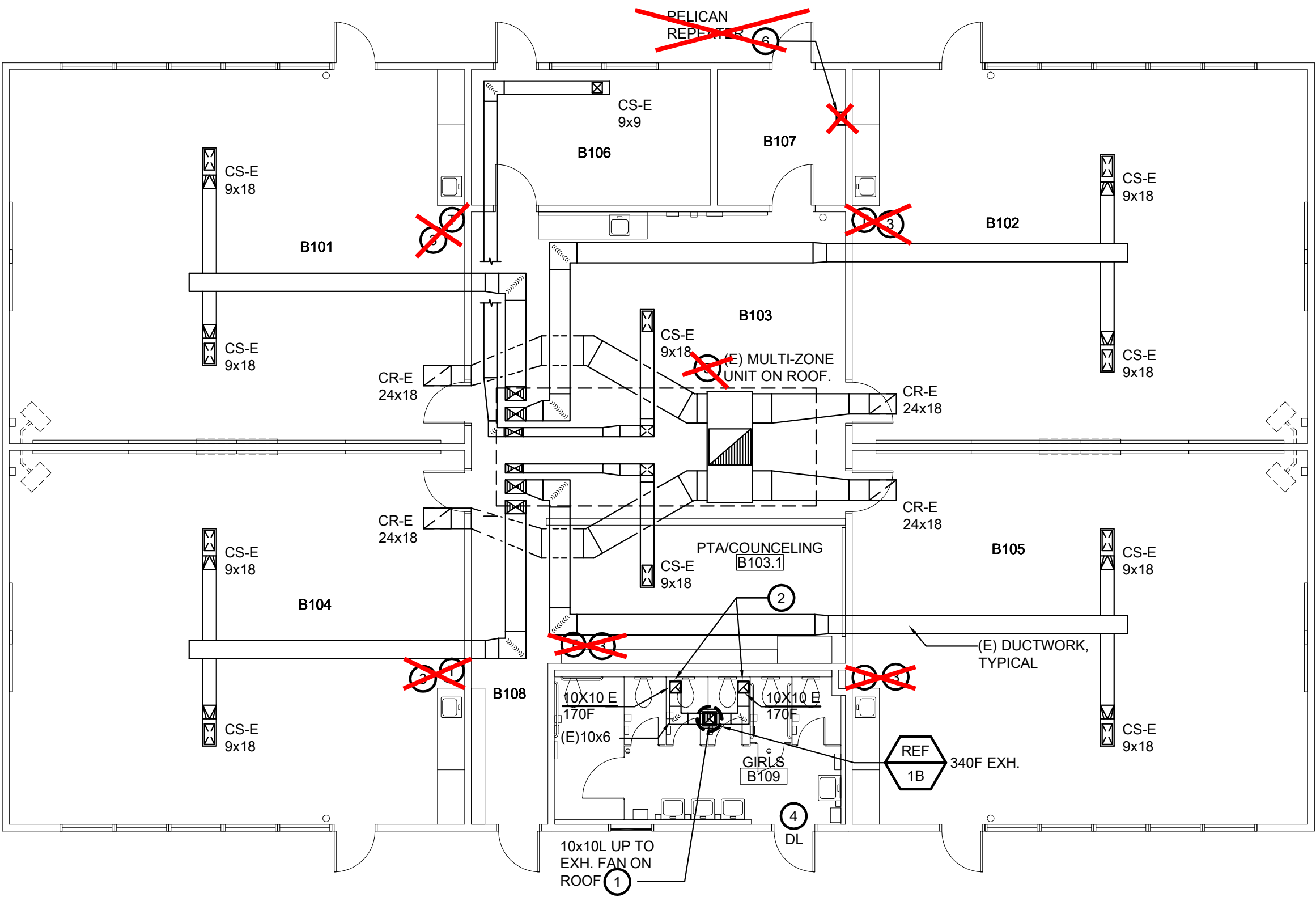
QC
INI %



MECHANICAL - BLDG B DEMOLITION FLOOR PLAN

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

1
M2.1.B



MECHANICAL - BLDG B FLOOR PLAN

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

2
M2.1.B

DEMOLITION SHEET NOTES:

- 1 REMOVE EXISTING ROOF MOUNTED EXHAUST FAN AND CURB. PREPARE FOR NEW ROOF MOUNTED EXHAUST FAN AND CURB.
- 2 REMOVE EXHAUST GRILLE. PREPARE FOR NEW GRILLE.
- ~~3 REMOVE EXISTING THERMOSTAT, CAP CONDUIT BEING ARCHITECTURAL SURFACES. PREPARE FOR NEW STAT WITH TOP OF BOX AT 46" AFF.~~

GENERAL NOTES:

1. EXISTING MULTIZONE UNITS (MU) SERVING THE SPACES WILL REMAIN. THE MU'S HAVE MULTIPLE DUCT DROPS TO DIFFERENT ZONE(S) WITH INDIVIDUAL THERMOSTATS.

SHEET NOTES:

- 1 NEW ROOF MOUNTED EXHAUST FAN AND CURB. ADJUST (E) OPENING TO ACCOMMODATE NEW FAN AND CURB. RECONNECT TO EXISTING DUCTWORK BELOW ROOF DECK.
- 2 NEW EXHAUST GRILLE. RECONNECT TO EXISTING DUCTWORK.
- ~~3 THERMOSTAT. MOUNT STAT WITH TOP OF BOX AT 46" AFF.~~
- 4 DOOR LOUVER (DL) WITH 0.9 SQFT OF FREE AREA. SEE ARCHITECTURAL PLANS FOR LOUVER DETAILS.
- ~~5 EXISTING MULTI-ZONE UNIT ON ROOF. 5 ZONES WITH 12.5 TON COOLING UNIT. SEE M6 SERIES SHEETS FOR ENERGY MANAGEMENT SYSTEM SCOPE.~~
- ~~6 NEW PELICAN REPEATER. COORDINATE FINAL LOCATION DEPENDING ON FIELD CONDITIONS. COORDINATE WITH ELECTRICAL FOR POWER LOCATION.~~

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+
ASSOCIATES
ARCHITECTS

REGISTERED ARCHITECT
STATE OF CALIFORNIA
C-22525
12/31/23
RENEWAL
DATE

MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

MECHANICAL -
DEMOLITION & FLOOR
PLANS - BUILDING B

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
THOMAS A. DUNN
M 22836
EXPIRES 9/30/24
MECHANICAL
STATE OF CALIFORNIA

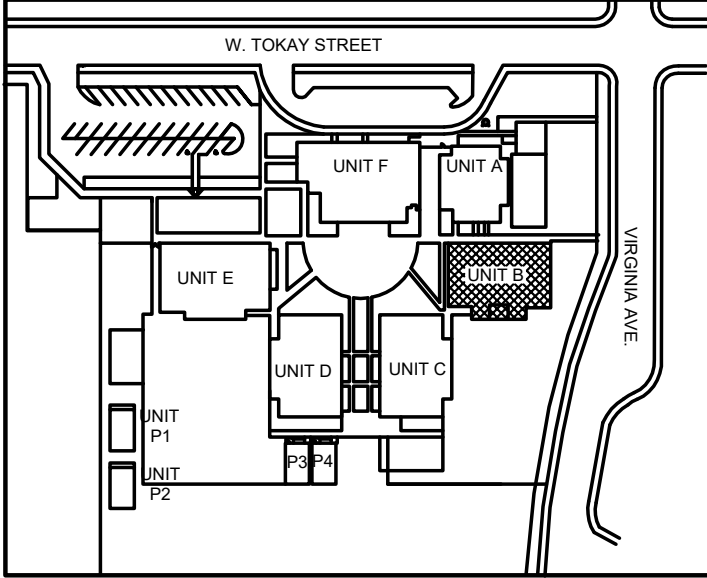
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capital
engineering

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MCM - RLJH 22021100
PM - DESIGN TEAM PROJECT NO.

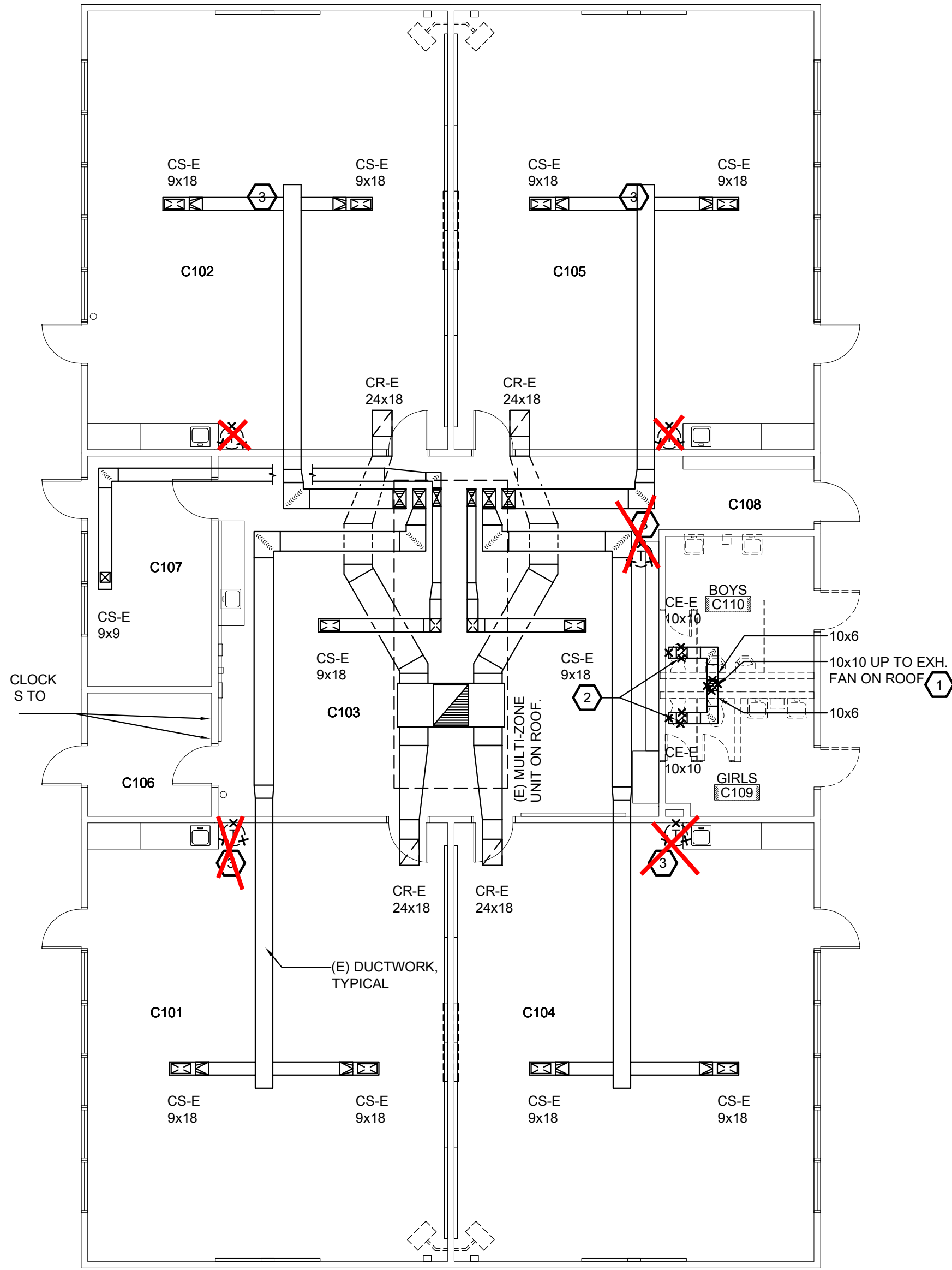
KEYPLAN



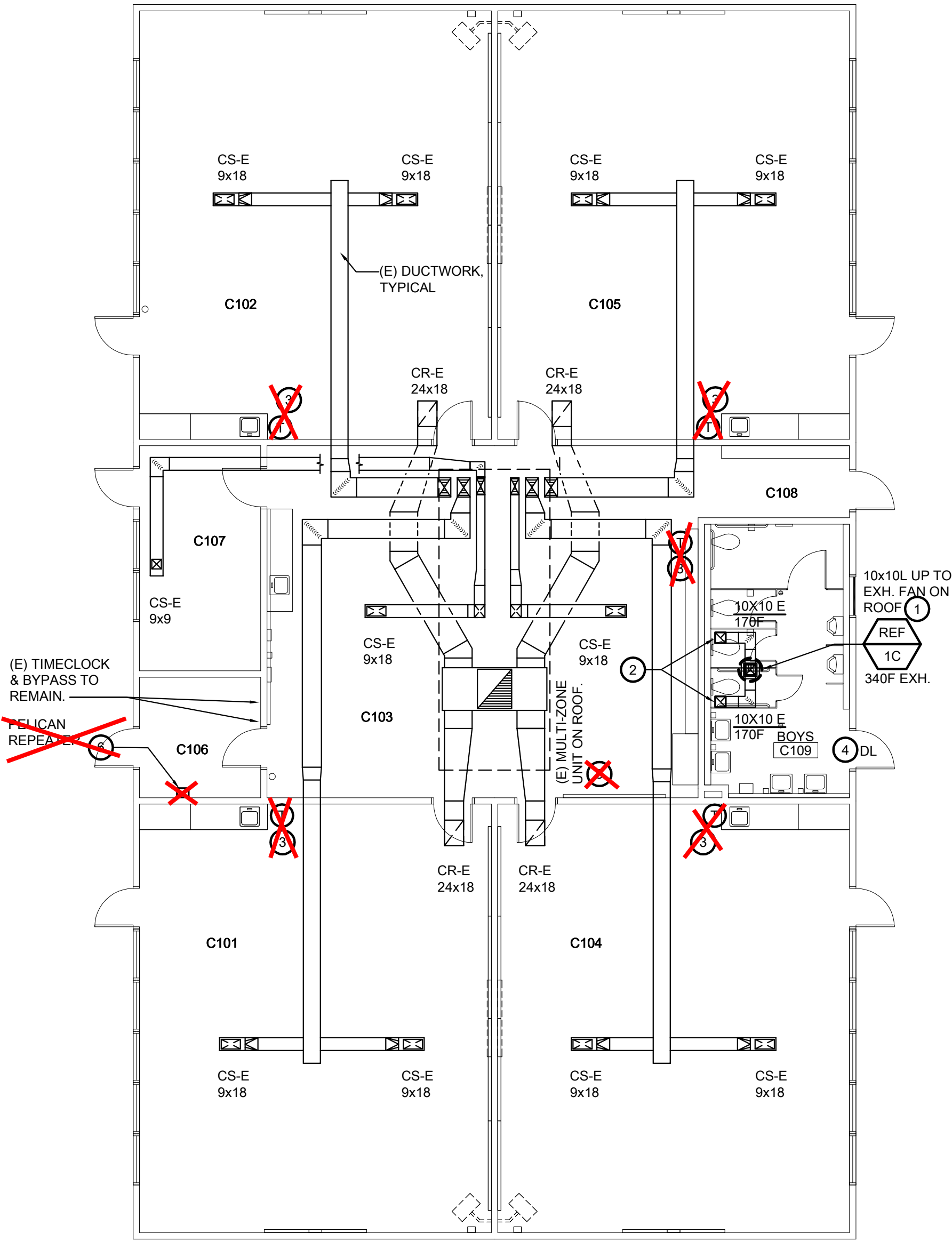
M2.1.B

OF 131 SHEETS

QC	
INI	%



MECHANICAL - BLDG C DEMOLITION FLOOR PLAN 1
SCALE : 1/8" = 1'-0" M2.1.C



MECHANICAL - BLDG C FLOOR PLAN 2
SCALE : 1/8" = 1'-0" M2.1.C

DEMOLITION SHEET NOTES:

- 1 REMOVE EXISTING ROOF MOUNTED EXHAUST FAN AND CURB. PREPARE FOR NEW ROOF MOUNTED EXHAUST FAN AND CURB.
- 2 REMOVE EXISTING EXHAUST GRILLE. PREPARE FOR NEW GRILLE.
- ~~3 REMOVE EXISTING THERMOSTAT, CAP CONDUIT BEHIND ARCHITECTURAL SURFACES. REPAIR FOR NEW STAT WITH TOP OF BOX AT 46" AFF.~~

GENERAL NOTES:

1. EXISTING MULTIZONE UNITS (MU) SERVING THE SPACES WILL REMAIN. THE MU'S HAVE MULTIPLE DUCT DROPS TO DIFFERENT ZONE(S) WITH INDIVIDUAL THERMOSTATS.

SHEET NOTES:

- 1 NEW ROOF MOUNTED EXHAUST FAN AND CURB. RECONNECT TO EXISTING DUCTWORK BELOW ROOF DECK.
- 2 NEW EXHAUST GRILLE. RECONNECT TO EXISTING DUCTWORK.
- ~~3 NEW THERMOSTAT. MOUNT STAT WITH TOP OF BOX AT 46" AFF.~~
- 4 DOOR LOUVER (DL) WITH 0.9 SQFT OF FREE AREA. SEE ARCHITECTURAL PLANS FOR LOUVER DETAILS.
- ~~5 EXISTING MULTI-ZONE UNIT ON ROOF. 5 ZONES WITHIN ENCLOSURE UNIT. SEE M6 SERIES SHEETS FOR ENERGY MANAGEMENT SYSTEM SCOPE.~~
- ~~6 NEW PELICAN REPEATER. COORDINATE FINAL LOCATION DEPENDING ON FIELD CONDITIONS. COORDINATE WITH ELECTRICAL FOR POWER LOCATION.~~

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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

MECHANICAL -
DEMOLITION & FLOOR
PLANS - BUILDING C



DATE SIGNED: 12/21/2022

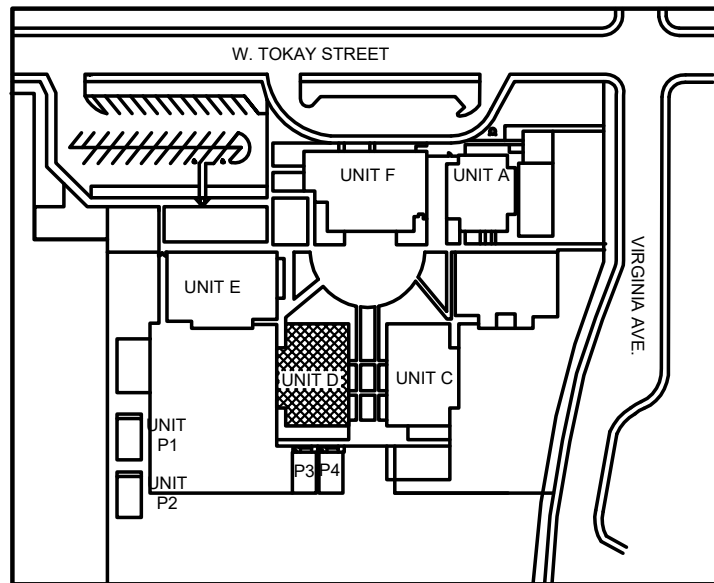


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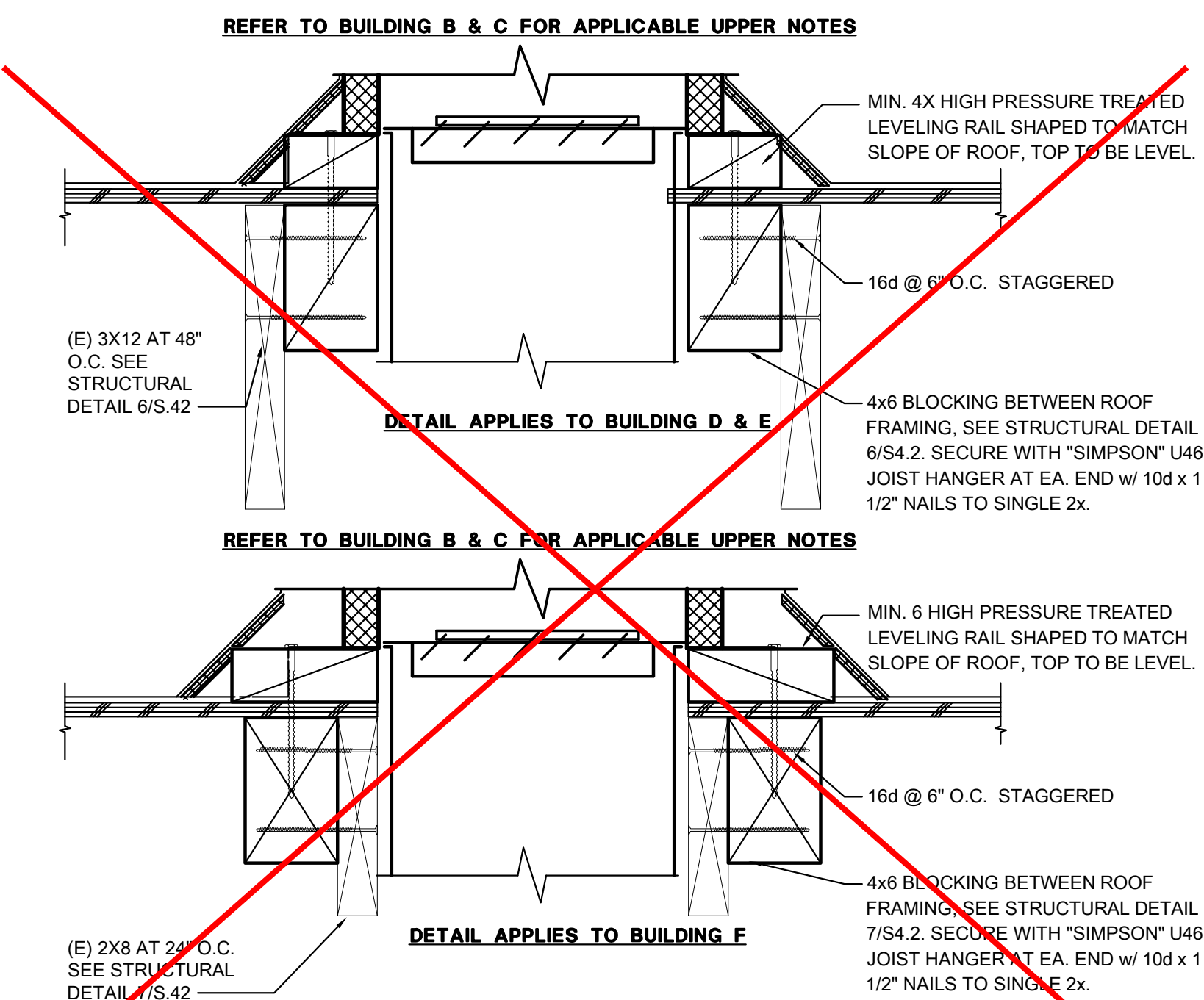
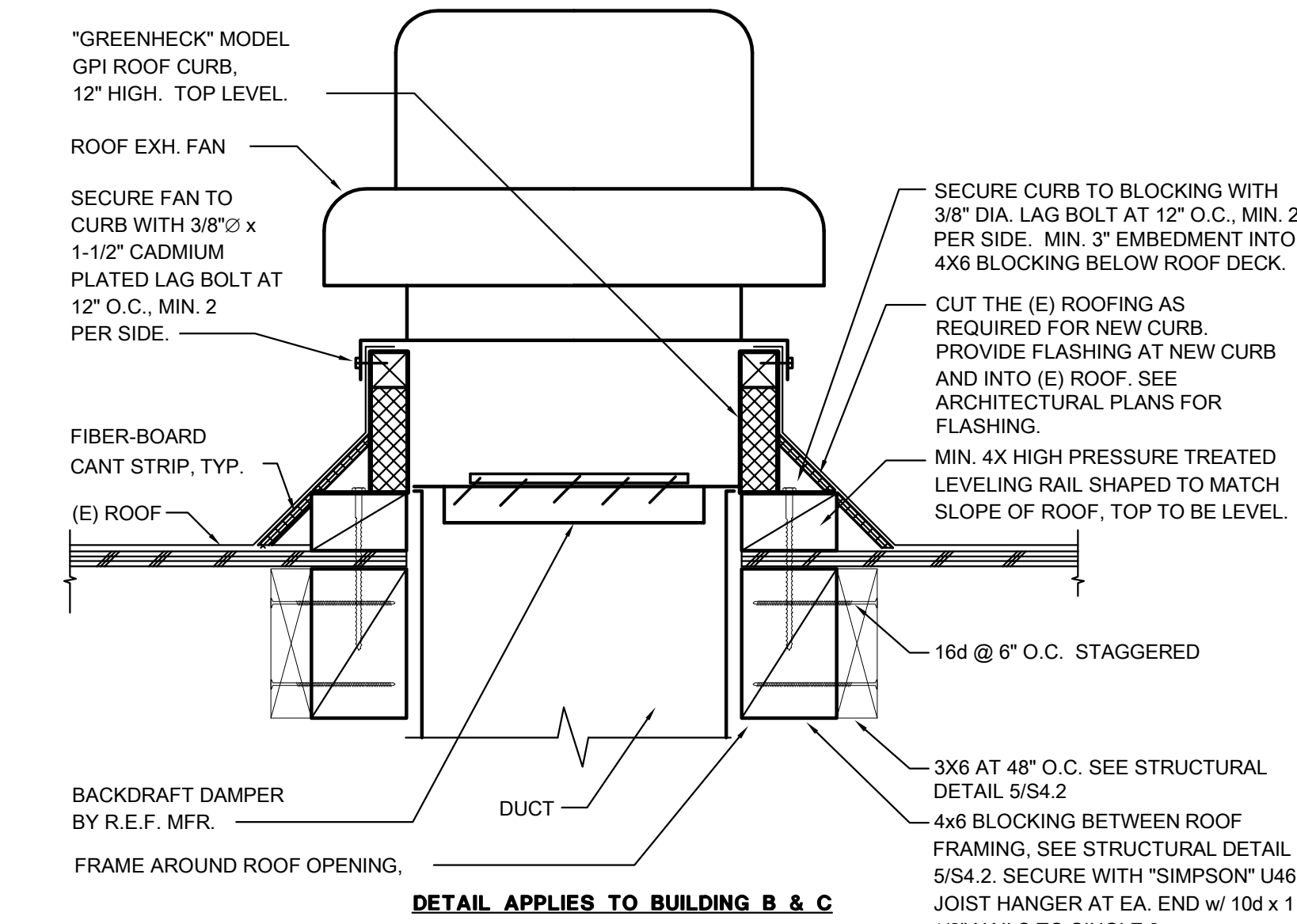
KEYPLAN



PROJECT NO.	REVISIONS	BY
21-32-053		
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DRAWN		
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JCBS		
SCALE		
AS SHOWN		
CADFILE		
M2.1.C.DWG		
UPDATED		
12/21/2022		
SHEET NO.		

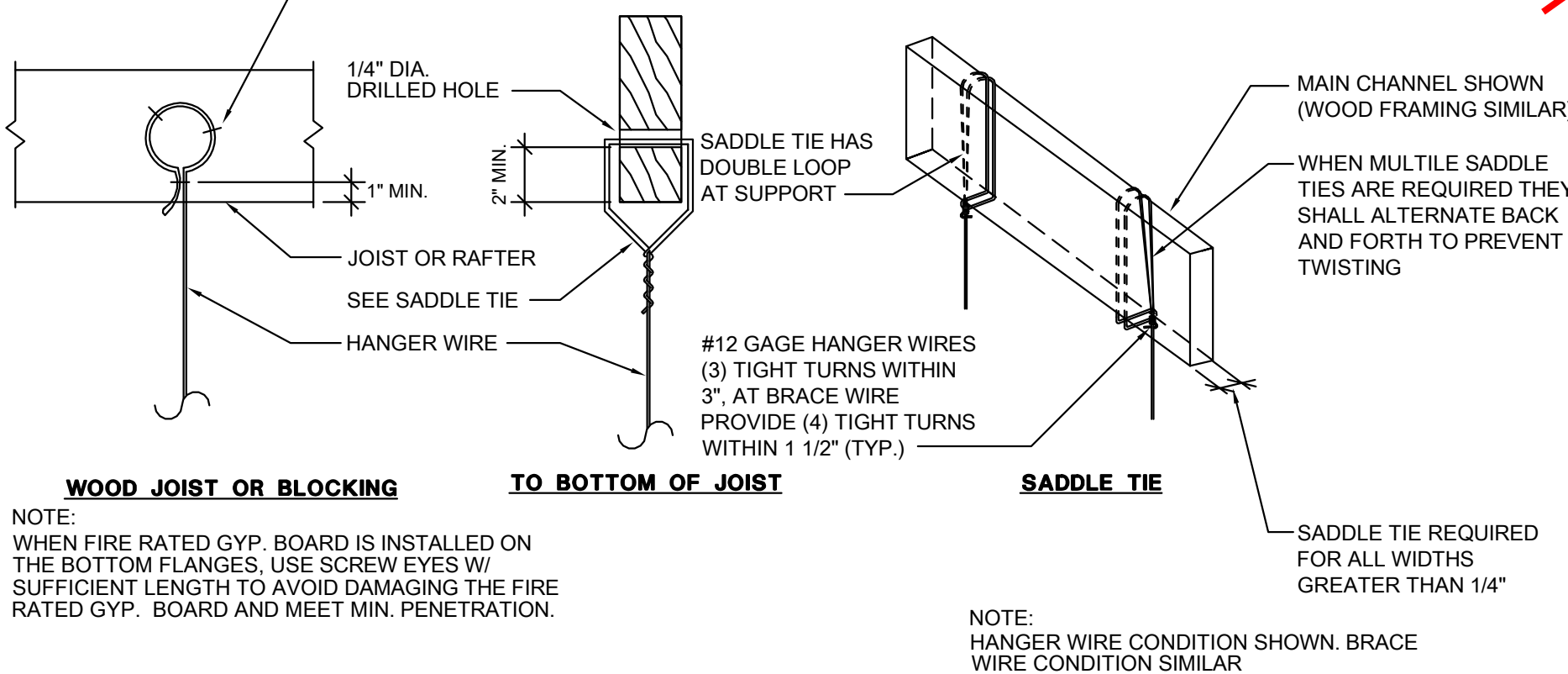
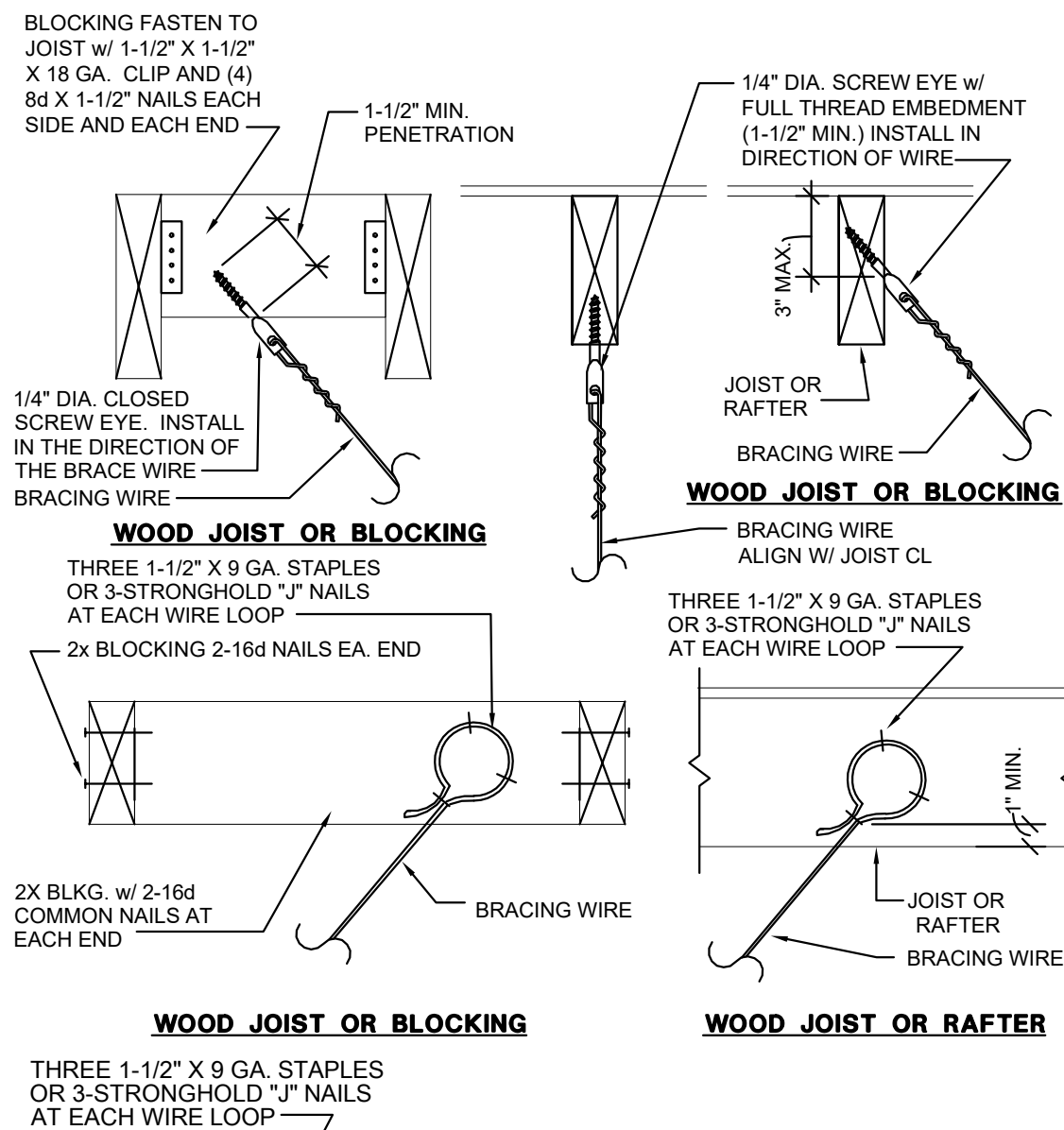
M2.1.C

QC	
INI	%



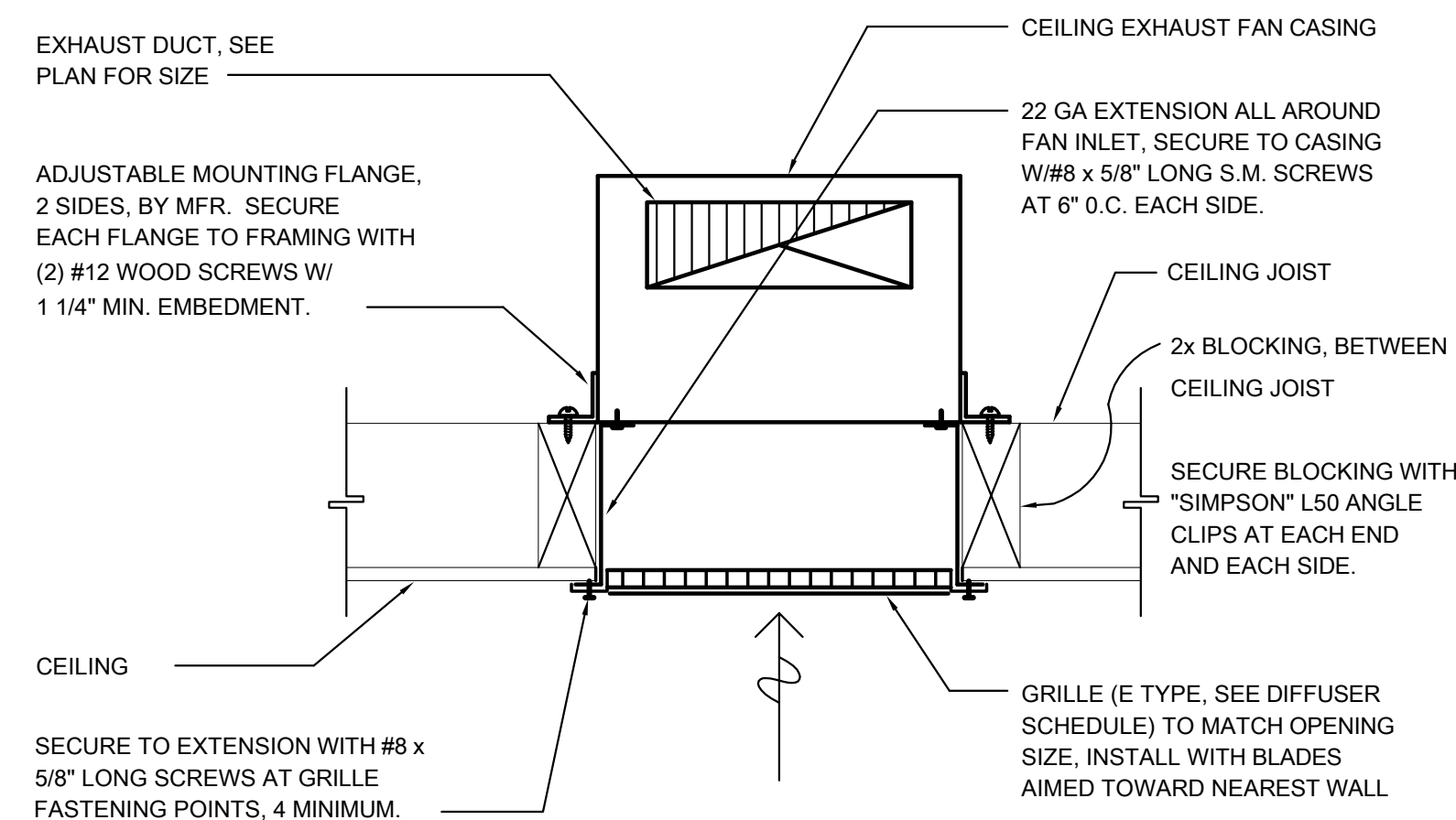
TYPICAL REF MOUNTING

SCALE : NONE



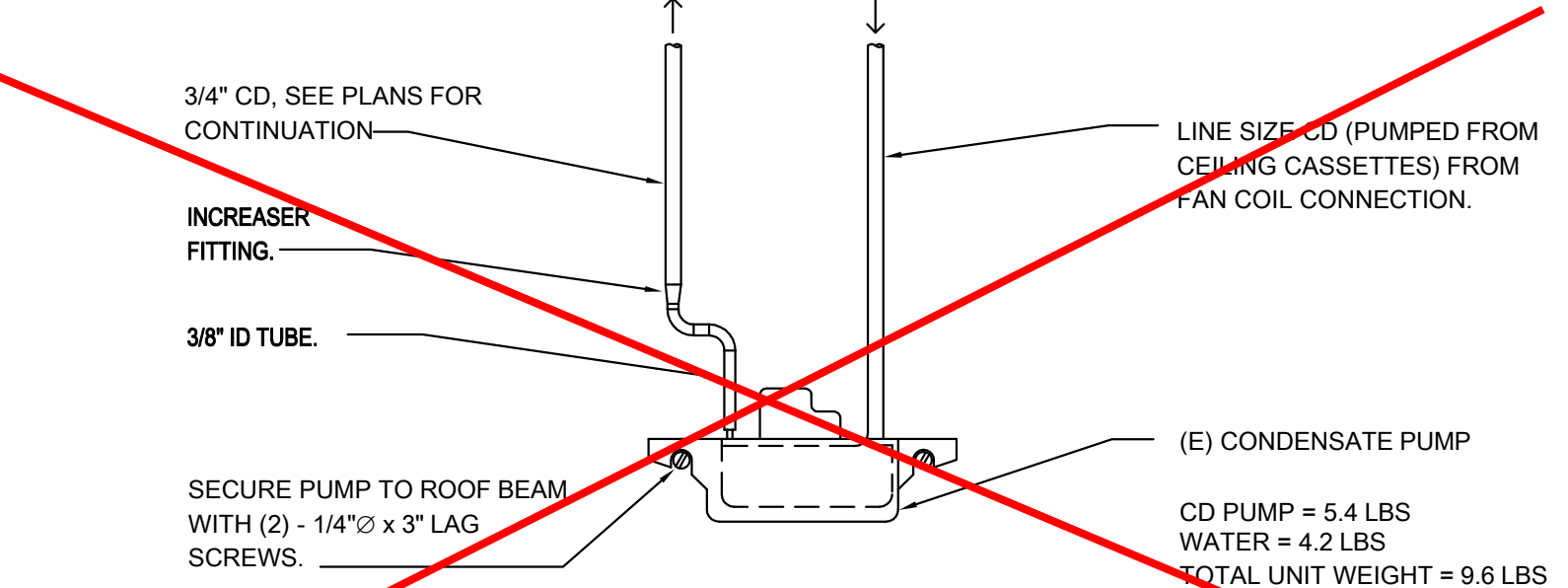
UPPER ATTACHMENT MOUNTING

SCALE : NONE



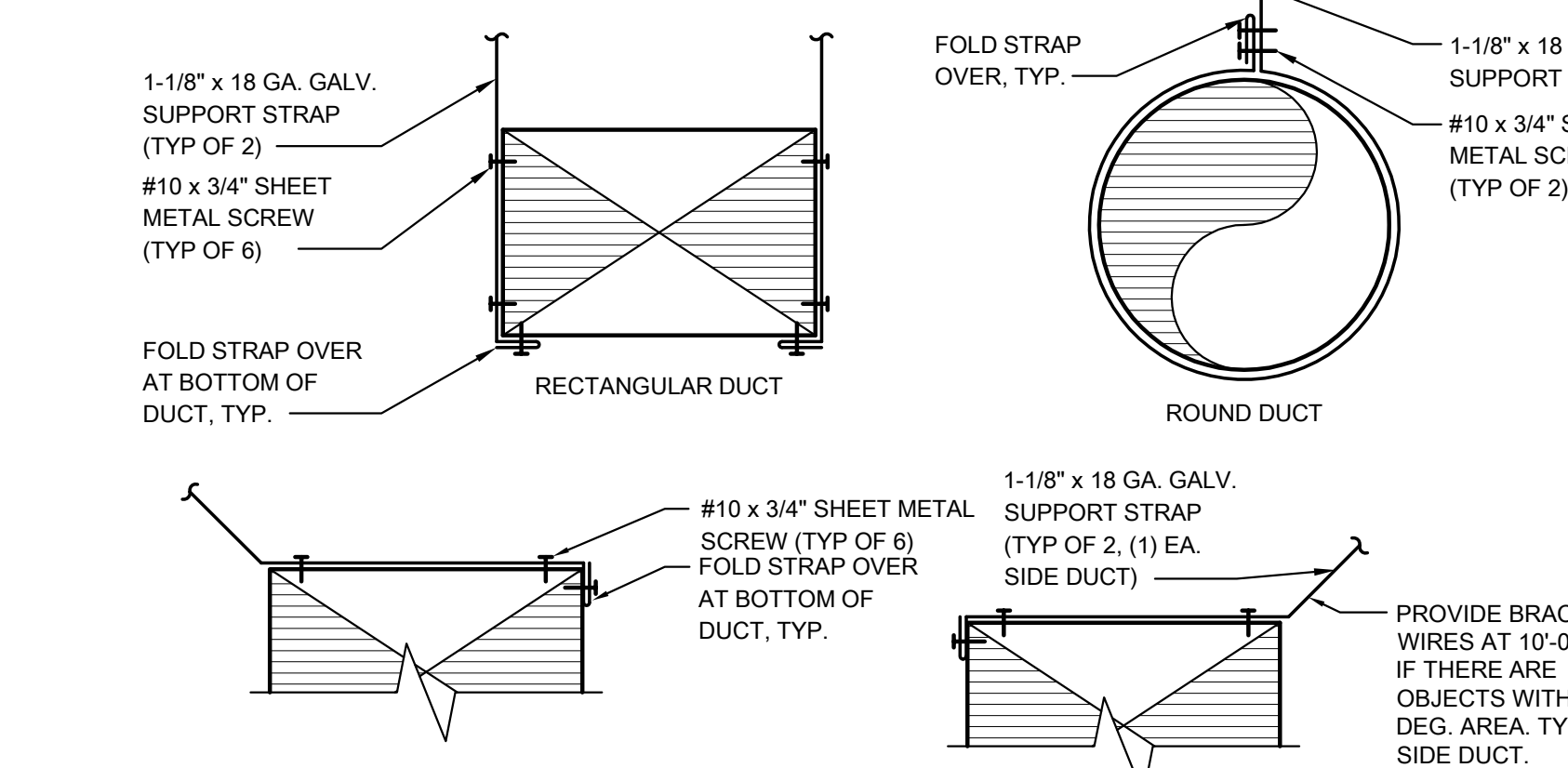
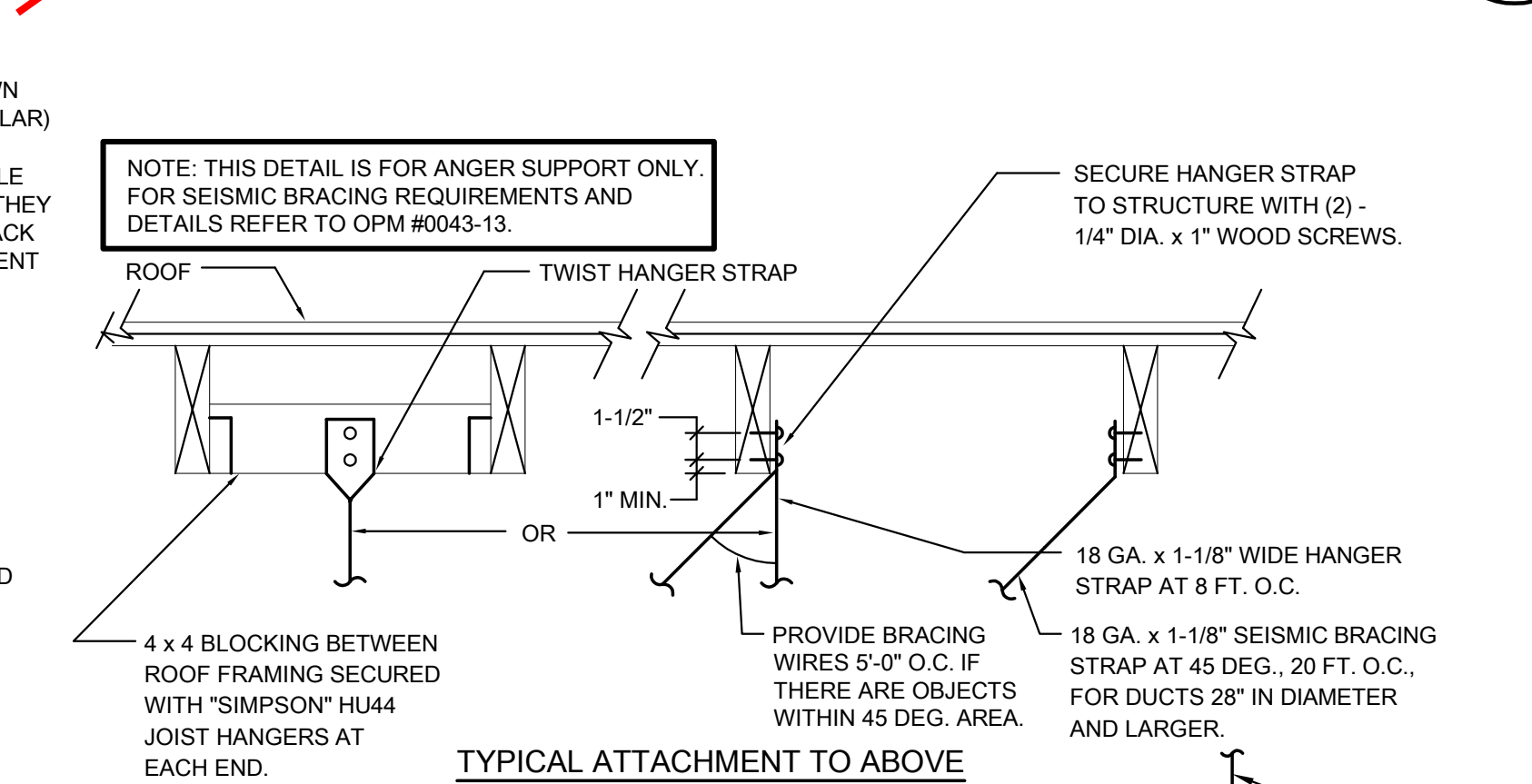
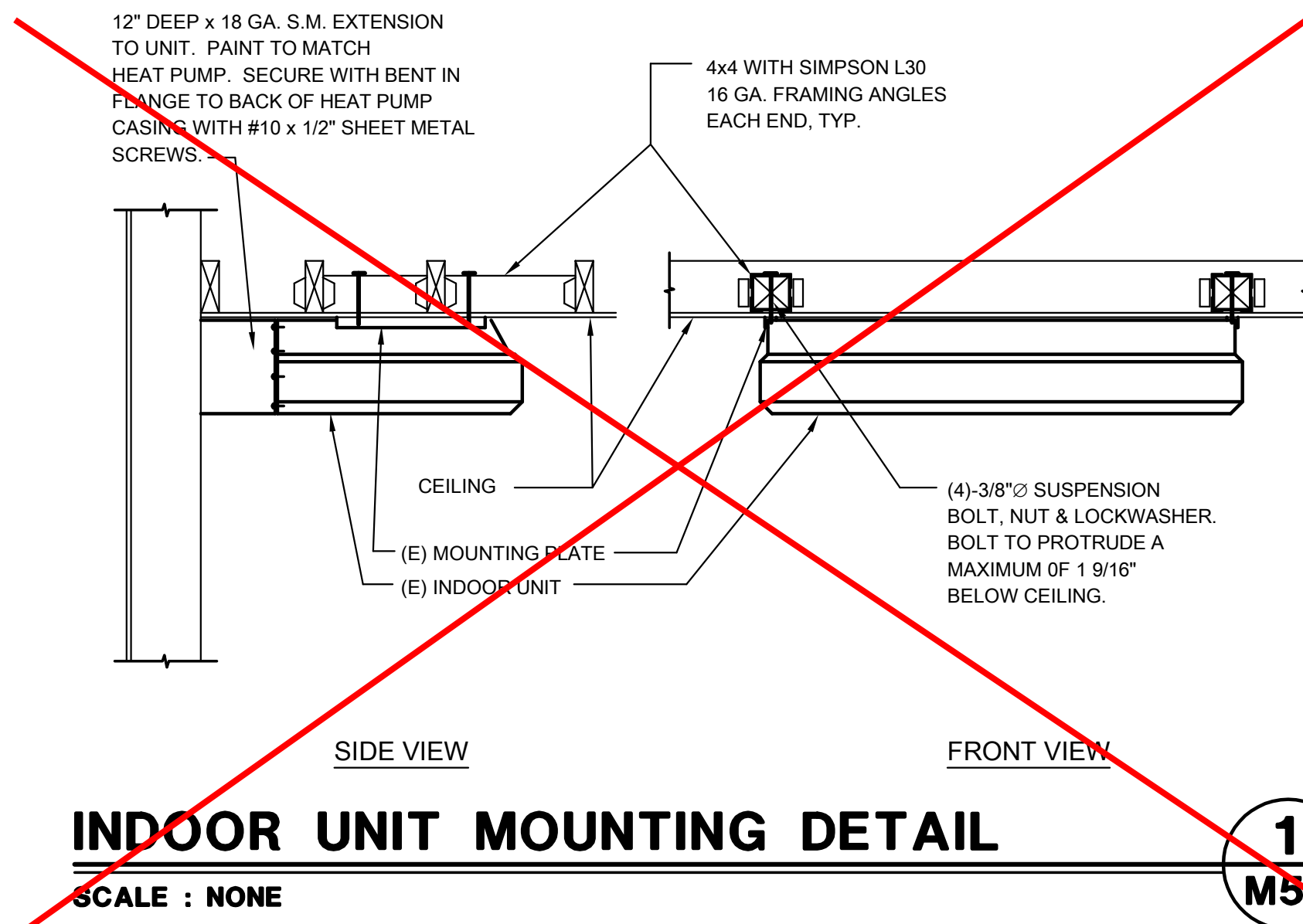
CEILING EXHAUST FAN DETAIL

SCALE : NONE



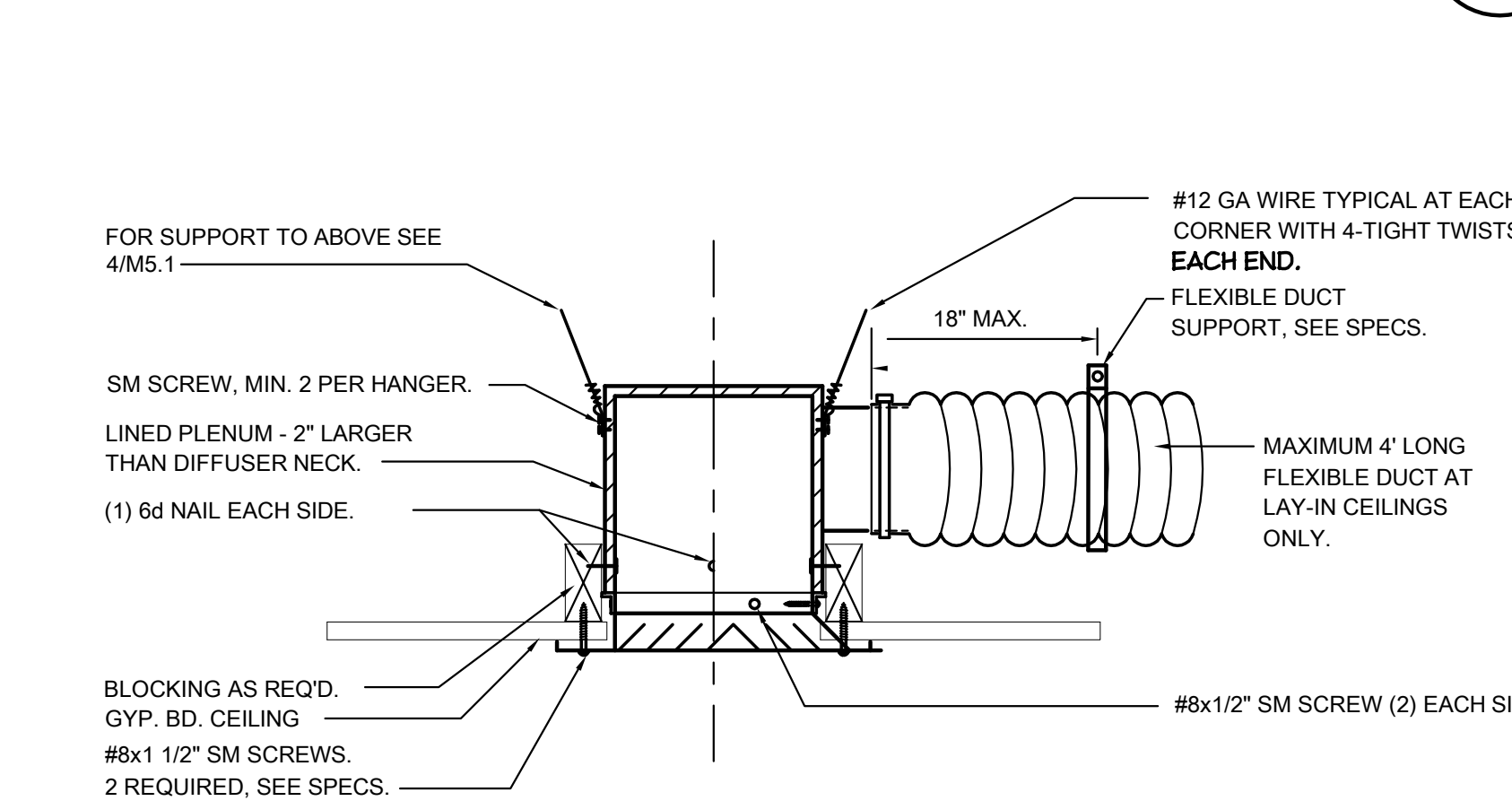
CONDENSATE PUMP AT INDOOR SPLIT AND FURNACE UNITS

SCALE : NONE



TYPICAL CONCEALED DUCT SUPPORT

SCALE : NONE

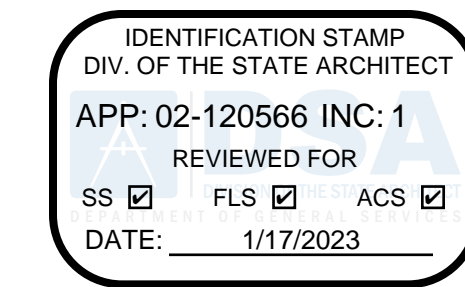


TYP. HARD LID DIFFUSER/GRILLE

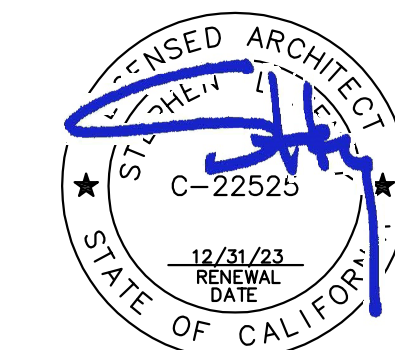
SCALE : NONE



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Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

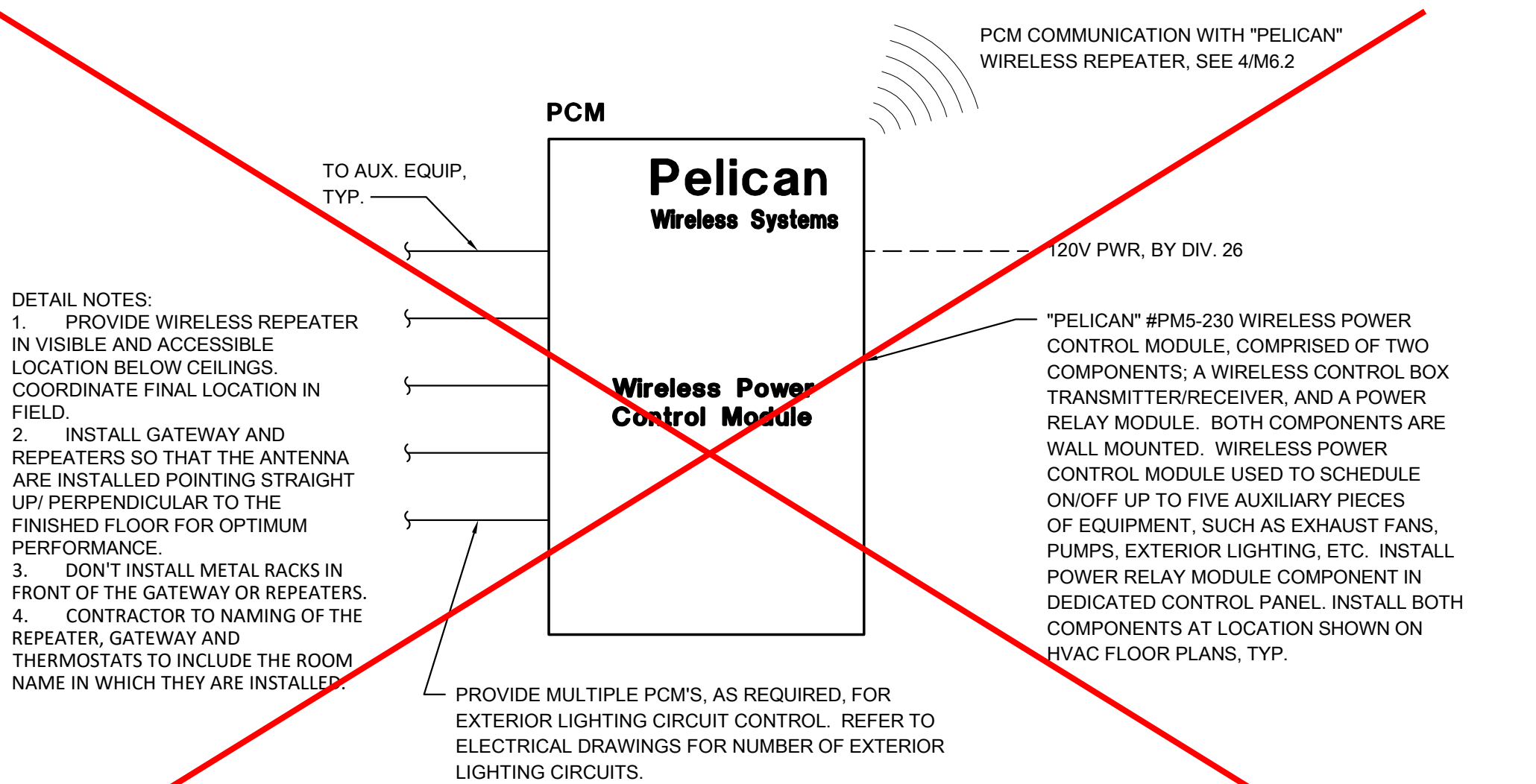
MECHANICAL -
DETAILS



PROJECT NO.	REVISIONS	BY
21-32-053		
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JCBS		
SCALE		
AS SHOWN		
CADFILE		
M5.1.DWG		
UPDATED		
12/21/2022		
SHEET NO.		

M5.1

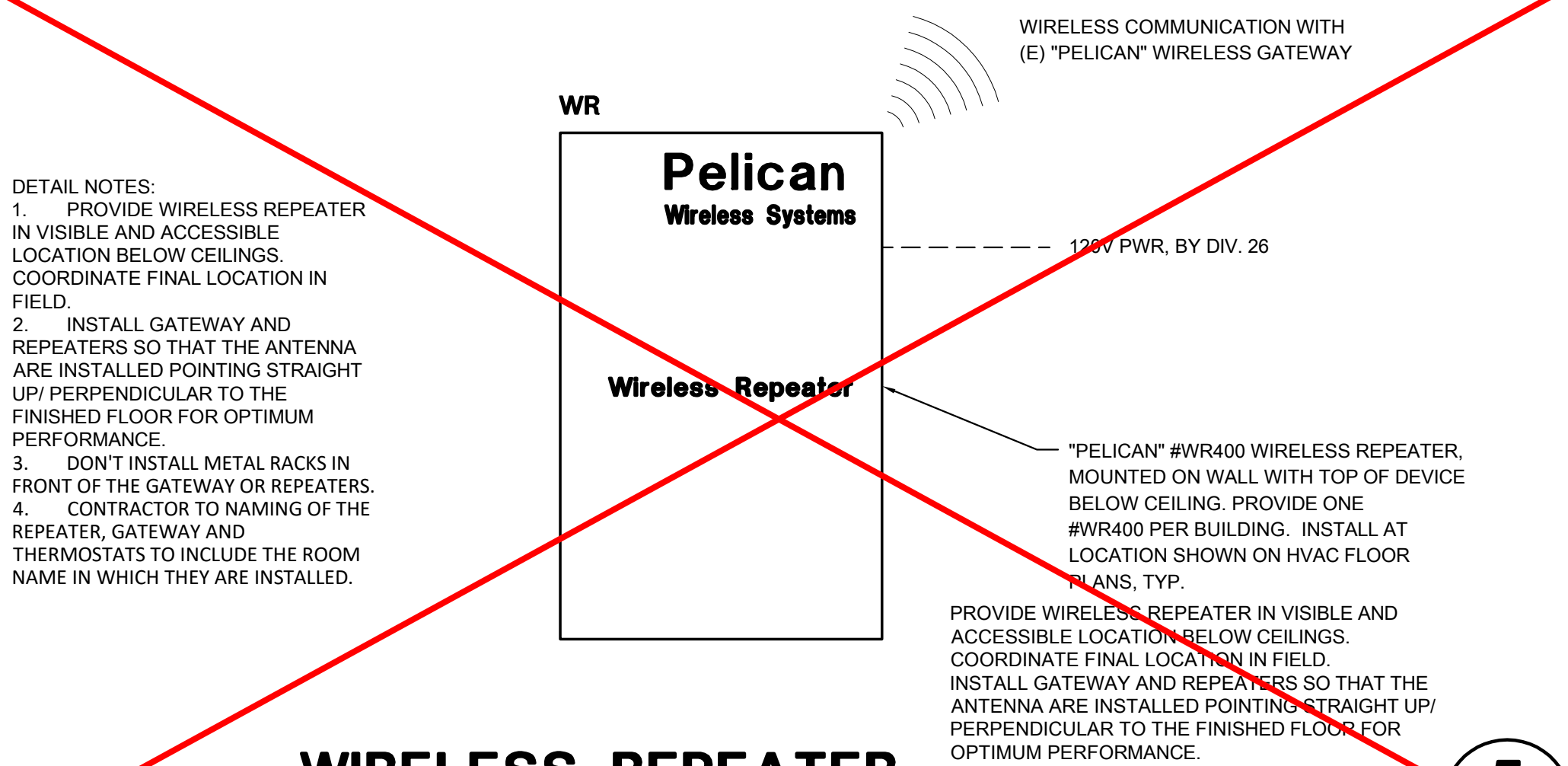
QC	
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WIRELESS POWER CONTROL MODULE

SCALE : NONE

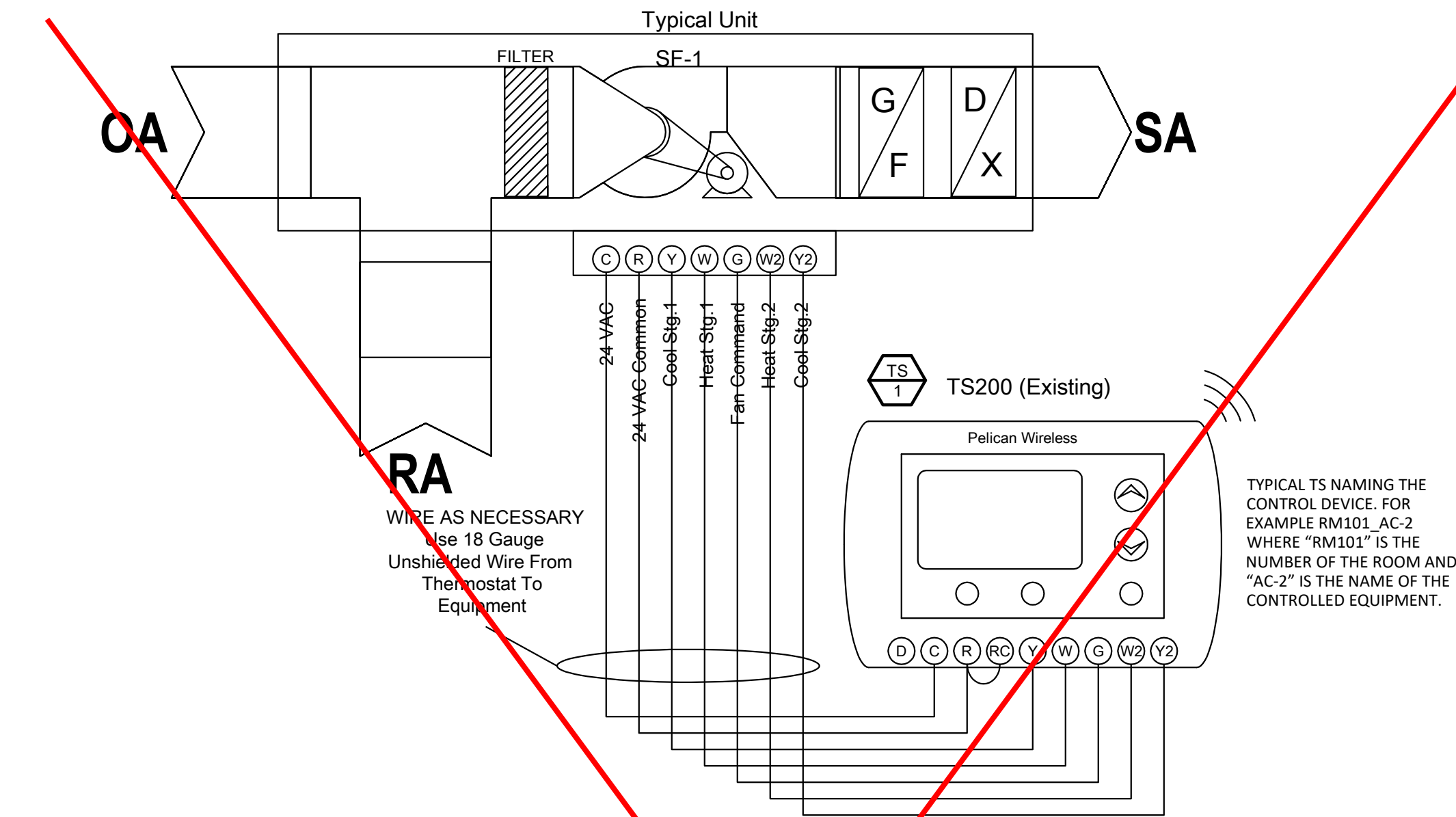
4
M6.2



WIRELESS REPEATER

SCALE : NONE

5
M6.2



NOTES:

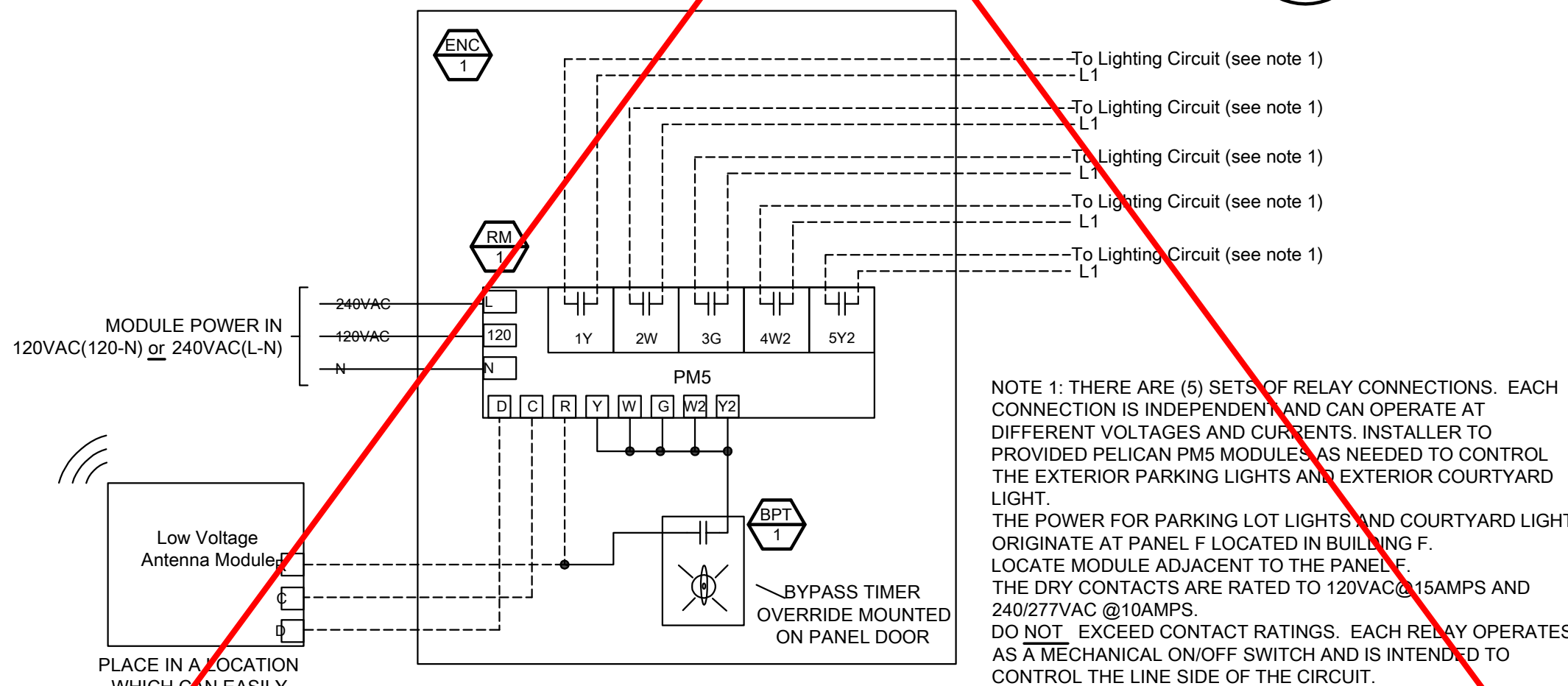
1. Plus50 MODULE TO REPLACE EXISTING TS200 THERMOSTAT BACKPLATE WHERE REQUIRED
2. DETAIL APPLICABLE TO CLASSROOMS MISSING THE PLUS 50 MODULE FOR CO2.
3. DETAIL APPLICABLE TO MODULAR BUILDINGS P1, P2, P3 AND P4.

NOTE: PELICAN SYSTEM SHALL BE CONFIGURED BY INSTALLING CONTRACTOR TO MEET THE INTENT OF THE ENGINEERED DESIGN FOR THE PROJECT. ALL CONFIGURATION SETTINGS ARE MADE ONLINE THROUGH THE PELICAN WEB APP. (A WG400 GATEWAY IS REQUIRED)

PELICAN TS200 WITH PLUS50 MODULE DETAIL

SCALE : NONE

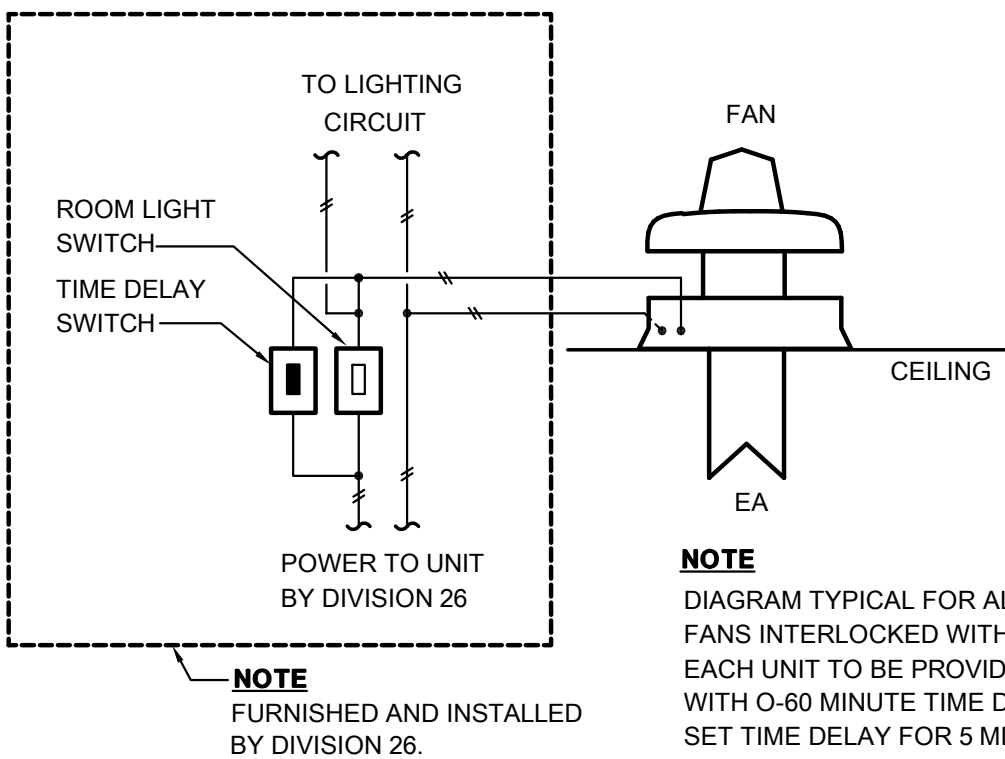
1
M6.2



LIGHTING CONTROL DETAIL

SCALE : NONE

2
M6.2

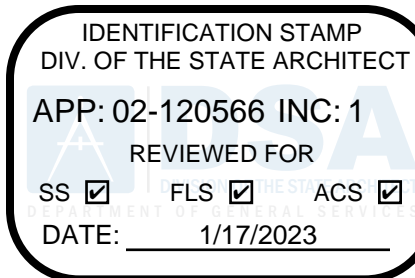


EXHAUST FAN INTERLOCKED WITH ROOM LIGHTS

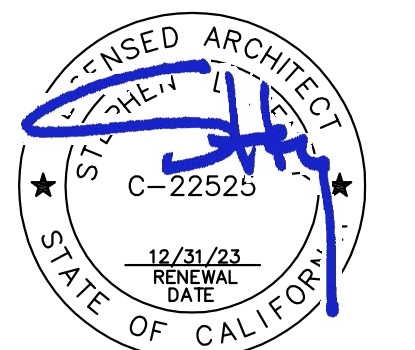
EXHAUST FAN UNIT CONTROL DIAGRAM

SCALE : NONE

3
M6.2



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

MECHANICAL -
CONTROLS

CONSULTANT



DATE SIGNED: 12/21/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
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SCALE		
AS SHOWN		
CADFILE		
M6.2.DWG		
UPDATED		
12/21/2022		
SHEET NO.		

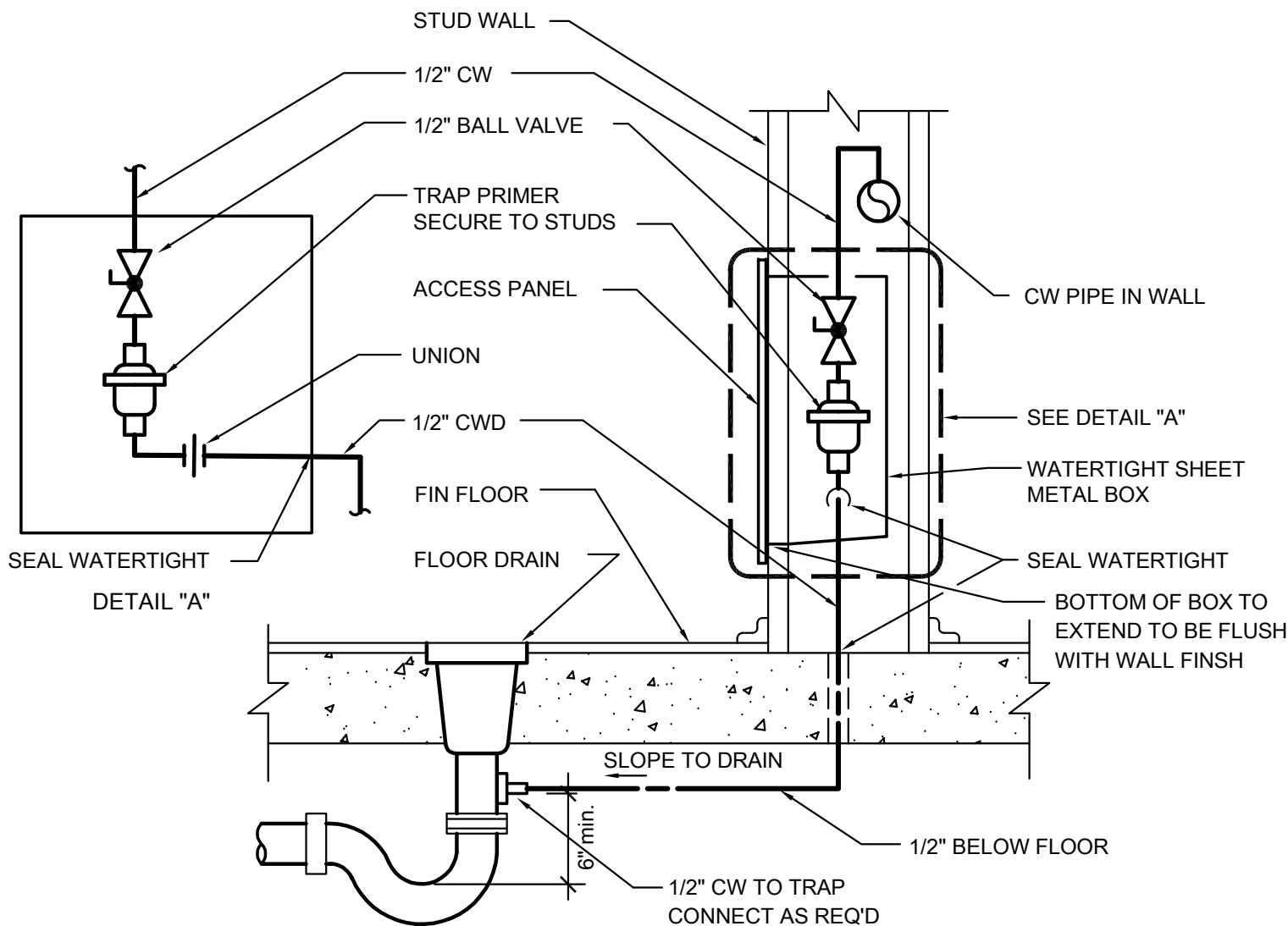
M6.2

OF 131 SHEETS

QC
INI %

PLUMBING GENERAL NOTES

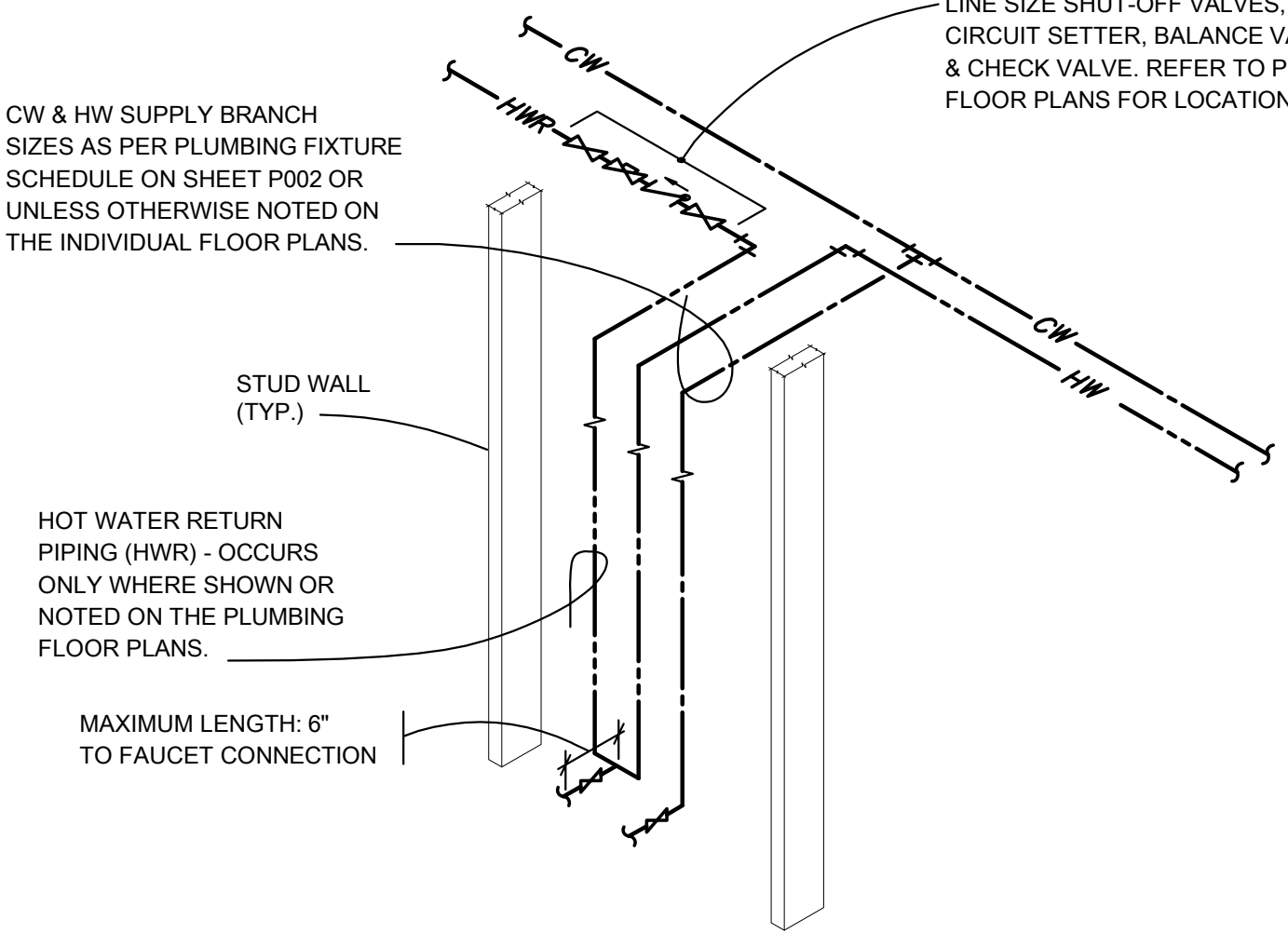
- SEE ARCHITECTURAL DRAWINGS FOR BUILDING DIMENSIONS AND EXACT LOCATIONS OF PLUMBING FIXTURES.
- COORDINATE LOCATION OF PIPING WITH OTHER TRADES ON THIS PROJECT.
- CONCEAL ALL PIPING IN WALL FURRING, PARTITIONS, ETC., EXCEPT AT MECHANICAL ROOMS.
- SEAL ALL PIPE PENETRATIONS THRU FLOORS WATERTIGHT.
- ALL FLOOR MOUNTED FIXTURES, CLEAN OUTS & FLOOR DRAINS TO BE FLUSH MOUNTED WITH 2% MAX. SLOPE.
- DOMESTIC HOT WATER HEATERS SHALL BE SEISMICALLY SECURED TO BUILDING STRUCTURE WITH ADEQUATE STRUCTURAL SUPPORT WITH ANCHOR BOLTS.
- PENETRATIONS OF RATED ASSEMBLIES SHALL BE FIRE-STOPPED. FIRE STOPPING SHALL BE AN APPROVED MATERIAL OF THE ENFORCING AGENCY.
- OFFSET VENTS THRU ROOF 10 FEET MINIMUM FROM AIR INTAKES AND 4 FEET FROM OUTSIDE WALLS.
- FIELD VERIFY EXACT SIZES, LOCATIONS AND ELEVATIONS OF ALL PIPING CONNECTIONS, OTHER WORK, ETC., PRIOR TO TRENCHING OR INSTALLING OF ANY NEW WORK.



TRAP PRIMER TO FLOOR DRAIN

SCALE : NONE

1
P0.1



HOT WATER RETURN PIPE DETAIL

SCALE : NONE

2
P0.1

MEP COMPONENT ANCHORAGE NOTE

ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC, SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26 AND 30.

- ALL PERMANENT EQUIPMENT AND COMPONENTS.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT THAT IS PERMANENTLY ATTACHED (e.g. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. "PERMANENTLY ATTACHED" SHALL INCLUDE ALL ELECTRICAL CONNECTIONS EXCEPT PLUGS FOR 110/220 VOLT RECEPTACLES HAVING FLEXIBLE CABLE.
- TEMPORARY, MOVABLE OR MOBILE EQUIPMENT WHICH IS HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE RESTRAINED IN A MANNER APPROVED BY DSA.

THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT NEED NOT DEMONSTRATE DESIGN COMPLIANCE WITH THE REFERENCES NOTED ABOVE. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING, AND CONDUIT. FLEXIBLE CONNECTIONS MUST ALLOW MOVEMENT IN BOTH TRANSVERSE AND LONGITUDINAL DIRECTIONS.

- COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT.
- COMPONENTS WEIGHING LESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTION SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL.

THE ANCHORAGE OF ALL MECHANICAL, ELECTRICAL AND PLUMBING COMPONENTS SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND ACCEPTANCE BY DSA. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS.

PIPING, DUCTWORK & ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE

PIPING, DUCTWORK, AND ELECTRICAL DISTRIBUTION SYSTEMS SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1617A.1.24, 1617A.1.25, AND 1617A.1.26.

THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON PREAPPROVED INSTALLATION GUIDE (e.g., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START OF AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS.

MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E):

MP □ MD □ PP □ E □ OPTION 1: DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS

MP □ MD □ PP ☒ E □ OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHPD PRE-APPROVED (OPM #) #0043-13

HEAT TRACE CABLE SCHEDULE

UNIT	LOCATION	"HWAT" MODEL NO.	REGULATED TEMPERATURE	VOLTA	AMP/FT.	AMP CB	MA
HTC E4	FREEZER	XL-TRACE	40°F	120V/1Ø	.104	15	

PLUMBING LEGEND

SYMBOL	ABBREVIATION	DESCRIPTION
	COP	CAP ON END OF PIPE
	CKV	CHECK VALVE
	CW	COLD WATER
	CWR	COLD WATER RISE
	CWD	COLD WATER DROP
	CD	CONDENSATE DRAIN LINE (INSIDE BLDG. TO BE INSULATED)
	CD	CONDENSATE DRAIN LINE (EXTERIOR NO INSULATION)
	CO	CLEANOUT
	"F	DEGREES FAHRENHEIT
	DIA.	DIAMETER, SQUARE (FEET)
	(E)	EXISTING TO BE REMOVED
	FU	FIXTURE UNIT
	FD	FLOOR DRAIN
	FS	FLOOR SINK
	FV, FT	FLUSH VALVE, FLUSH TANK
	(FA), (TA)	FROM ABOVE, TO ABOVE
	(FB), (TB)	FROM BELOW, TO BELOW
	GV	GATE VALVE
	GPM	GALLONS PER MINUTE
	GLV	GLOBE VALVE
	CO	GRADE CLEANOUT
	HB	HOSE BIBB
	HW	HOT WATER PIPING
	HWR	HOT WATER PIPING RISE
	HWD	HOT WATER PIPING DROP
	HWRET	HOT WATER RETURN
	HWRET(R)	HOT WATER RETURN RISE
	HWRET(D)	HOT WATER RETURN DROP
	LOD	LIMIT OF DEMOLITION
	(N), (E)	NEW, EXISTING
	POC	POINT OF CONNECTION, NEW TO EXISTING
	P & TRV	PRESSURE & TEMPERATURE RELIEF VALVE PIPING
	RV or P&TRV	RELIEF VALVE OR PRESSURE & TEMPERATURE RELIEF VALVE
	RET	RETURN
	RE, IE	RIM ELEVATION, INVERT ELEVATION
	(R), (D)	RISE, DROP
	R, D	RISER DOWN (ELBOW)
	R, D	RISER UP (ELBOW)
	R, D	RISE OR DROP
	RD	ROOF DRAIN
	S, W	SOIL, WASTE OR SANITARY SEWER BELOW FLOOR
	TYP	TYPICAL
	V	VENT PIPING
	V, VR, VTR	VENT, VENT RISER, VENT THRU ROOF

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

PLUMBING LEGENDS,
SCHEDULES, AND NOTES

CONSULTANT



DATE SIGNED: 12/21/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MS		
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AS SHOWN		
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12/21/2022		
SHEET NO.		

P0.1

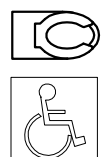
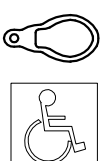
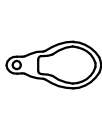
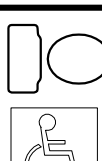
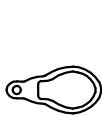
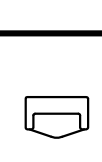
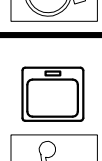
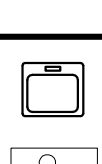
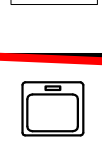
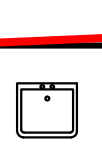
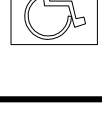


OF 131 SHEETS



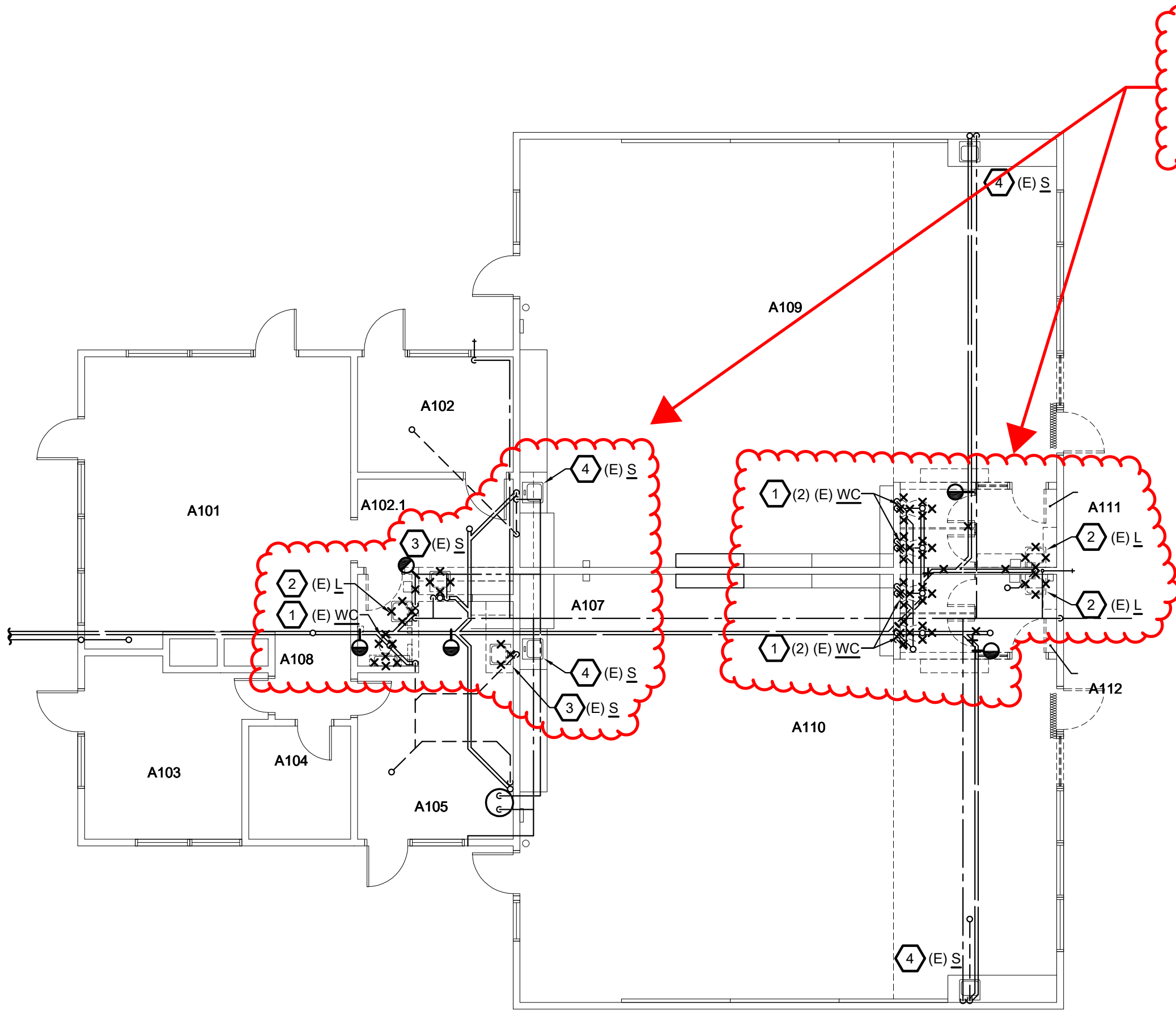
RANDY CORONA, CALIFORNIA
MCM - RLJH 22021100
PM - DESIGN TEAM PROJECT NO.

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SEE DETAILS 3/P2.1.B
AND 3/P2.1.C FOR
ALTERNATE
INSTALLATION DETAILS
OF LAVATORY AND
URINAL CARRIERS

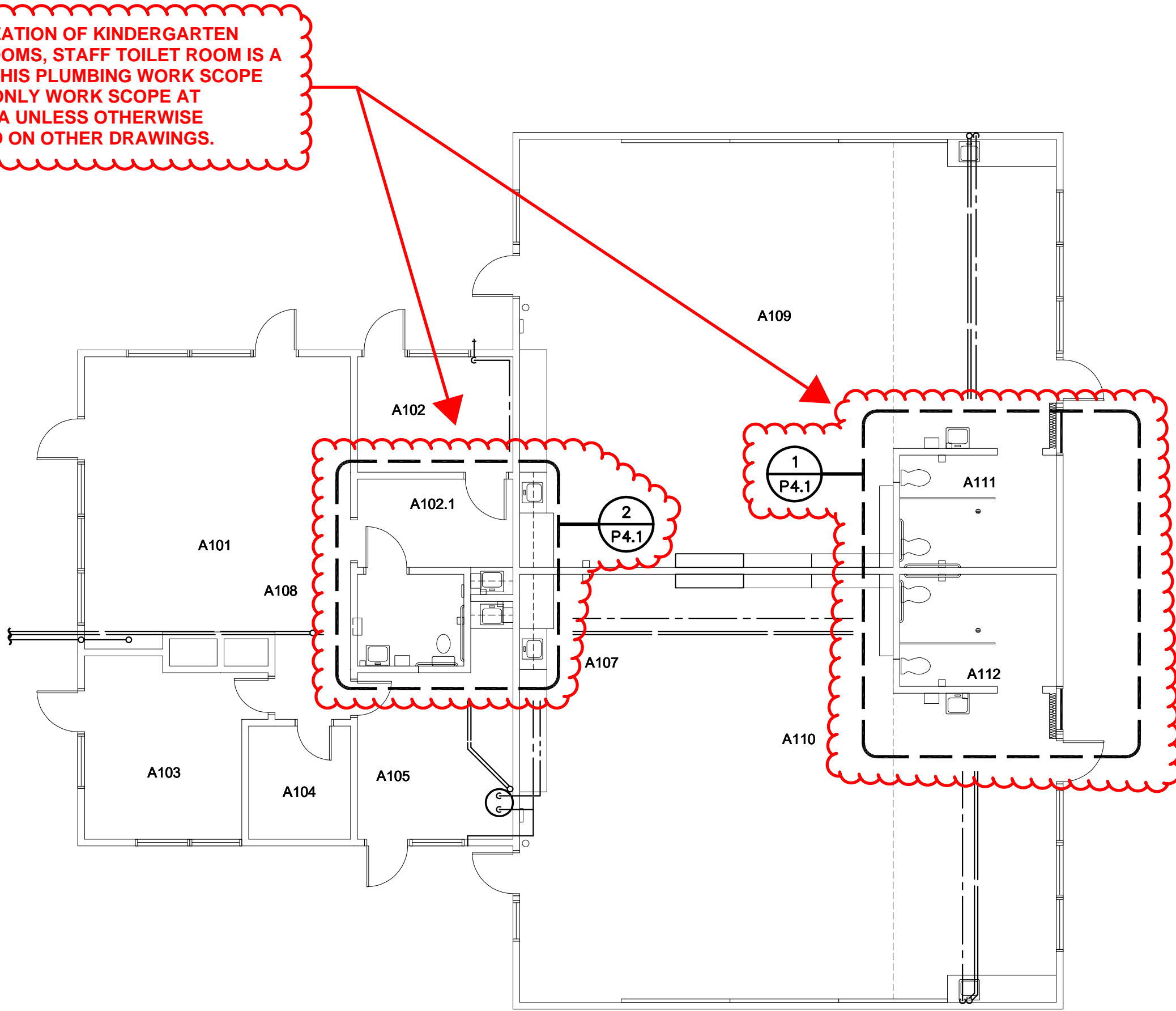
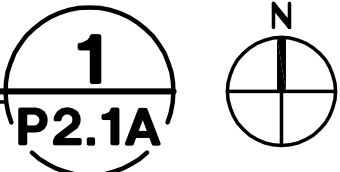
PLUMBING FIXTURE SPECIFICATION & CONNECTION SCHEDULE													
ADA	SYMBOL	FIXTURE	FIXTURE MANUFACTURER AND MODEL No.	FAUCET OR VALVE MANUFACTURER AND MODEL No.	TRIM MANUFACTURER AND MODEL No.	REMARKS	VENT	WASTE		COLD WATER		HOT WATER	
								BRANCH	OUTLET	BRANCH	OUTLET	BRANCH	OUTLET
	WC-1	WATER CLOSET WALL MOUNTED FLUSH VALVE STD/ACCESSIBLE	"AMERICAN STANDARD" ADAM WALL NO. 3351.101, 1.28 GPF WALL HUNG, VITREOUS CHINA, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD.	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR. CARRIER: "J.R. SMITH" 100 OR 200 SERIES OR "ZURN" Z1203 AND Z1204 SERIES PROVIDE REAR SUPPORT LUG AND ANCHOR FOOT ASSEMBLY.	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	--	--
	WC-2	WATER CLOSET FLOOR MOUNTED FLUSH VALVE ELEMENTARY ACCESSIBLE	"AMERICAN STANDARD" MADERA EL NO. 3461.001, 1.28 GPF FLOOR MOUNTED, ELONGATED, SIPHON JET ACTION 1-1/2" TOP SPUD, 16-1/2" RIM HEIGHT.	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/2"	1"	-	-
	WC-3	WATER CLOSET FLOOR MOUNTED FLUSH VALVE KINDERGARTEN	"AMERICAN STANDARD" BABY DEVORO NO. 2282.001, 1.28 GPF FLOOR MOUNTED, ROUND FRONT, SIPHON JET ACTION 1-1/2" TOP SPUD, 10" RIM HEIGHT.	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 1580C PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/4"	1"	-	-
	WC-4	WATER CLOSET FLOOR MOUNTED FLUSH TANK ACCESSIBLE	"AMERICAN STANDARD" CADET 2467.100, 1.1 GPF FLOOR MOUNTED, ELONGATED, PRESSURE ASSISTED SIPHON JET TANK TYPE. 16-1/2" RIM HEIGHT.	INTEGRAL	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POSTS. WHITE COLOR. SUPPLY STOP: "BRASS CRAFT" MODEL SR-3712-DL.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH TRIP LEVER SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1"	3/4"	-	-
	WC-5	WATER CLOSET FLOOR MOUNTED FLUSH VALVE ELEMENTARY STANDARD	"KOHLER" JUVENILE K-96059, 1.28 GPF, FLOOR MOUNTED, ELONGATED, SIPHON JET ACTION, 1-1/2" TOP SPUD, 13-3/4" RIM HEIGHT.	"SLOAN" ROYAL 111 HET 1.28, ADA COMPLIANT, 1.28 GPF (MANUAL)	SEAT: "CHURCH" MODEL 295SSCT OR "BEMIS" MODEL 1955SSCT. PROVIDE WITH SELF- SUSTAINING CONCEALED CHECK HINGES, ONE PIECE STAINLESS STEEL POST HINGES, WHITE COLOR.	WHERE USED FOR CBC ACCESSIBLE WATER CLOSETS, THE FLUSH VALVE HANDLE SHALL BE MOUNTED ON THE WIDE SIDE OF THE WATER CLOSET ENCLOSURE.	2"	4"	4"	1-1/2"	1"	-	-
	UR-1	URINAL WALL MOUNTED FLUSH VALVE ACCESSIBLE	"AMERICAN STANDARD" PINTBROOK NO. 6002.001, 0.125 GPF, WALL HUNG, VITREOUS CHINA, SIPHON JET ACTION. 3/4" TOP SPUD, 2" THREADED OUTLET.	"SLOAN" ROYAL 186-0.125DBP, 0.125 GPF (MANUAL) POLISHED CHROME	CARRIER: "ZURN" Z1222 OR EQUAL	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS.	1 1/2"	2"	2"	1-1/2"	3/4"	--	--
	L-1	LAVATORY WALL MOUNTED COLD WATER ONLY STD/ACCESSIBLE	"AMERICAN STANDARD" LUCERNE NO. 0355.012, WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FRONT OVERFLOW, CONCEALED ARM RECESS, 4" CENTERS, 20" x 18" D SHAPED BOWL.	"MOEN" 8884 NEWER VERSION, SINGLE-HANDLE ADA METERING LAVATORY FAUCET, CHROME PLATED SOLID BRASS CONSTRUCTION, SINGLE HOLE MOUNT, 0.5GPM MAX, ADA COMPLIANT. PROVIDE WITH DECK PLATE	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "ZURN" Z1231 OR EQUAL	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1 1/2"	2"	1 1/2"	3/4"	1/2"	-	-
	L-2	LAVATORY WALL MOUNTED HOT AND COLD WATER STD/ACCESSIBLE	"AMERICAN STANDARD" LUCERNE NO. 0355.012, WALL HUNG, VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FRONT OVERFLOW, CONCEALED ARM RECESS, 4" CENTERS, 20" x 18" D SHAPED BOWL.	"CHICAGO" 3600-E2805AB FAUCET, PUSH LEVER WITH AERATOR WITH 0.5 GPM FLOW RATE. WITH VANDAL RESISTANT ECONO-FLO SPRAY OUTLET. WITH IPS CONNECTIONS, ADA COMPLIANT. SET MAXIMUM WATER TEMPERATURE STOP TO RESTRICT WATER TEMPERATURE TO 110° F.	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "ZURN" Z1231 OR EQUAL	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	L-3	LAVATORY WALL MOUNTED COLD WATER ONLY STANDARD	"KOHLER" HUDSON K-2805, WALL HUNG, VITREOUS VITREOUS CHINA WITH CONTOURED BACK AND SIDE SPLASH SHIELDS, FRONT OVERFLOW, CONCEALED ARM RECESS, SINGLE FAUCET HOLE, 19" x 17" D SHAPED BOWL.	"MOEN" 8884 NEWER VERSION, SINGLE-HANDLE ADA METERING LAVATORY FAUCET, CHROME PLATED SOLID BRASS CONSTRUCTION, SINGLE HOLE MOUNT, 0.5GPM MAX, ADA COMPLIANT. PROVIDE WITH DECK PLATE	ADA COMPLIANT. LAVATORY GRID DRAIN WITH 1-1/4" OFFSET TAILPIECE, INTEGRAL PERFORATED GRID NO. 7723.018, CHROME FINISH. MOUNT P-TRAP FLUSH TO WALL. CARRIER: "ZURN" Z1231 OR EQUAL	MOUNT AT HEIGHT INDICATED ON ARCHITECTURAL DRAWINGS. PROVIDE CONCEALED ARMS AND FLOOR SUPPORT, WITH FEET OF SUPPORT SECURELY ANCHORED TO FLOOR. IN ADDITION ANCHOR TOP OF SUPPORT TO WALL CONSTRUCTION.	1-1/2"	2"	1-1/2"	3/4"	1/2"	3/4"	1/2"
	S-1	SINK COUNTER MOUNTED HOT AND COLD WATER ADMIN/CONF./NURSE	"ELKAY" MODEL LRADQ2219-65-BP, 19" FRONT TO BACK, 22" WIDE x 6-1/2" DEPTH OVERALL, 18 GAUGE STAINLESS STEEL, LEDGE BACK WITH SELF- RIM. PROVIDE SINGLE FAUCET HOLE. PROVIDE REAR DRAIN LOCATION. PROVIDE FACTORY ADHERED VANDAL RESISTANT BACKING PLATE AT FAUCET, AND SLOT AT FAUCET FOR VANDAL RESISTANT PINS.	"CHICAGO" ECAST MODEL 895-317GN2FC GOOSENECK FAUCET, 1.5 GPM VANDAL RESISTANT LAMINAR FLOW AERATOR AND RIGID/SWING FAUCET. PROVIDE VANDAL RESISTANT PIN IN FAUCET, ARRANGED TO MATE WITH SLOT IN SINK.	"ELKAY" MODEL LKAD18, OFFSET STRAINER DRAIN AND P-TRAP. INSTALL P-TRAP FLUSH TO WALL.	ARRANGE FINAL INSTALLATION OF SINK SUCH THAT THE BUBBLER WILL BE WITHIN 5" OF THE EDGE OF THE COUNTERTOP. INSTALL FAUCET IN CENTER OF SIDE SPLASH. PROVIDE SLOT FOR BUBBLER AT 15° ANGLE FROM FRONT OF THE SINK, AND INSTALL THE BUBBLER AT 15° ANGLE	1-1/2"	2"	1-1/2"	3/4"	1/2"	-	-
	TP-2	TRAP PRIMER ELEC TRAP PRIMER	MIFAB "M-500" SERIES, REQUIRES 3PSI DROP TO ACTIVATE. SIOUX CHIEF 695-ES01 ELECTRONIC TRAP PRIMER, PROVIDE DISTRIBUTION SPLITTER TO PRIME UP TO 8 DRAINS. PROVIDE 120VAC 9.2WATTS 60HZ POWER SUPPLY.			PROVIDE ACCESS PANEL SEE DETAIL 2/P5.1	-	-	-	1/2"	1/2"	-	-
	HB	HOSE BIBB	INTERIOR WALL MOUNTED - WOODFORD MODEL B65 OR EQUAL.	WITH INTEGRAL VACUUM BREAKER PROTECTED, CARTRIDGE OPERATED HOSE VALVE WITH LOCK SHIELD BONNET AND REMOVABLE KEY HANDLE.		SET HEIGHT AT 18" ABOVE FINISHED FLOOR	-	-	-	1"	3/4"	-	-
	WHA	WATER HAMMER ARRESTOR	SEE SPECIFICATIONS										
GENERAL NOTES: 1. WATER SUPPLIES AND STOPS: A. PROVIDE 86 PERCENT IPS RED BRASS PIPE, SECURELY ANCHORED TO BUILDING CONSTRUCTION. FOR EACH CONNECTION TO FAUCETS, STOPS, HOSE BIBBS, ETC. EACH FIXTURE, EXCEPT HOSE BIBBS, SHALL HAVE A STOP VALVE INSTALLED ON WATER SUPPLY LINES TO PERMIT REPAIRS WITHOUT SHUTTING OFF WATER MAINS. B. PROVIDE ALL WATER SUPPLIES TO FIXTURES WITH COMPRESSION SHUT-OFF STOPS WITH IPS INLETS WITH THREADED BRASS NIPPLES AT PIPE CONNECTION AND LOCK SHIELD LOOSE KEY. PROVIDE COMBINATION FIXTURES WITH COMPRESSION STOP AND IPS INLET ON EACH WATER SUPPLY FITTING. PROVIDE LOOSE KEY HANDLE FOR EACH STOP. C. PROVIDE 1/2 INCH RISER TUBES WITH REDUCING COUPLING FOR ALL FIXTURES, UNLESS OTHERWISE NOTED. REFER TO SPECIFICATION SECTION 22 40 00. 2. PIPE, PLUMBING FITTINGS, FIXTURES, SOLDER AND FLUX SHALL COMPLY WITH LEAD FREE REQUIREMENTS OF THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 116875. PROVIDE PRODUCTS LISTED AND LABELED AS COMPLYING WITH NSF 61, ANNEX G, OR PROVIDE OTHER EVIDENCE OF COMPLIANCE WITH THE CALIFORNIA HEALTH AND SAFETY CODE SECTION 116875. PROVIDE PRODUCT SUBMITTAL INFORMATION PROVING COMPLIANCE WITH LEAD FREE REQUIREMENTS. ALSO SEE GENERAL NOTES ON SHEET P0.1 AND SPECIFICATION SECTIONS, 22 00 50, 22 10 00 AND 22 40 00.													
	FD	FLOOR DRAIN	GENERAL SERVICE FD - ZURN MODEL Z-415, OR EQUAL, WITH TYPE "B" STRAINER FOR EXPOSED CONCRETE AND TYPE "S" STRAINER FOR TILE FLOOR. PROVIDE BRONZE TRIM. FD IN COMPOSITION TYPE FLOORS - ZURN MODEL Z-415, OR EQUAL, WITH TYPE SL STRAINER. FD IN RESINOUS/EPOXY TYPE FLOORS - ZURN MODEL Z-415BL, OR EQUAL, NICKEL BRONZE WITH ADJUSTABLE STRAINER. OTHER APPROVED EQUAL MANUFACTURERS INCLUDE: JAY R. SMITH, WATTS & MIFAB.				2"	2"	2"	-	-	-	-

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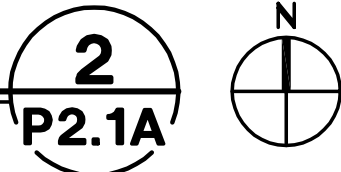
PLUMBING - DEMOLITION FLOOR PLAN

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



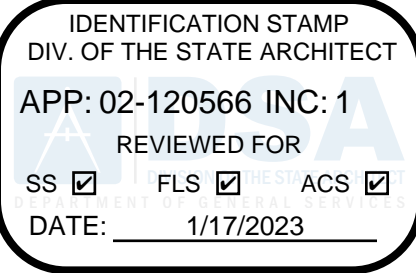
PLUMBING - FLOOR PLAN

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



DEMOLITION SHEET NOTES:

- 1 (E) WATER CLOSET TO BE REMOVED AND REPLACED WITH NEW. PREPARE WASTE, VENT, AND COLD WATER FOR CONNECTION TO NEW FIXTURE
- 2 (E) LAVATORY TO BE REMOVED AND REPLACED WITH NEW. PREPARE WASTE, VENT, AND COLD WATER FOR CONNECTION TO NEW FIXTURE
- 3 (E) SINK TO BE REMOVED AND REPLACED WITH NEW. PREPARE WASTE, VENT, AND COLD WATER FOR CONNECTION TO NEW FIXTURE
- 4 (E) SINK TO REMAIN



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

PLUMBING -
DEMOLITION & FLOOR
PLANS - BUILDING A

CONSULTANT



DATE SIGNED: 12/21/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MS		
CHECKED		
JCBS		
SCALE		
AS SHOWN		
CADFILE		
P2.1.A.DWG		
UPDATED		
12/21/2022		
SHEET NO.		

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OF 131 SHEETS

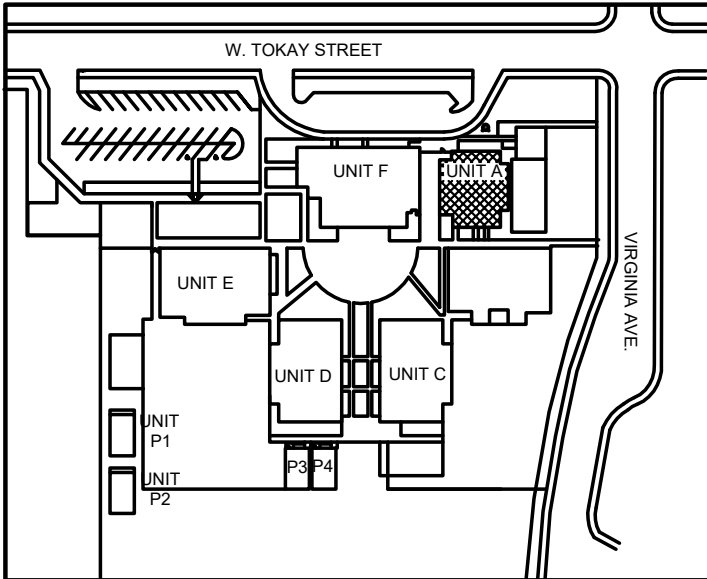


RANDI CORONA, CALIFORNIA

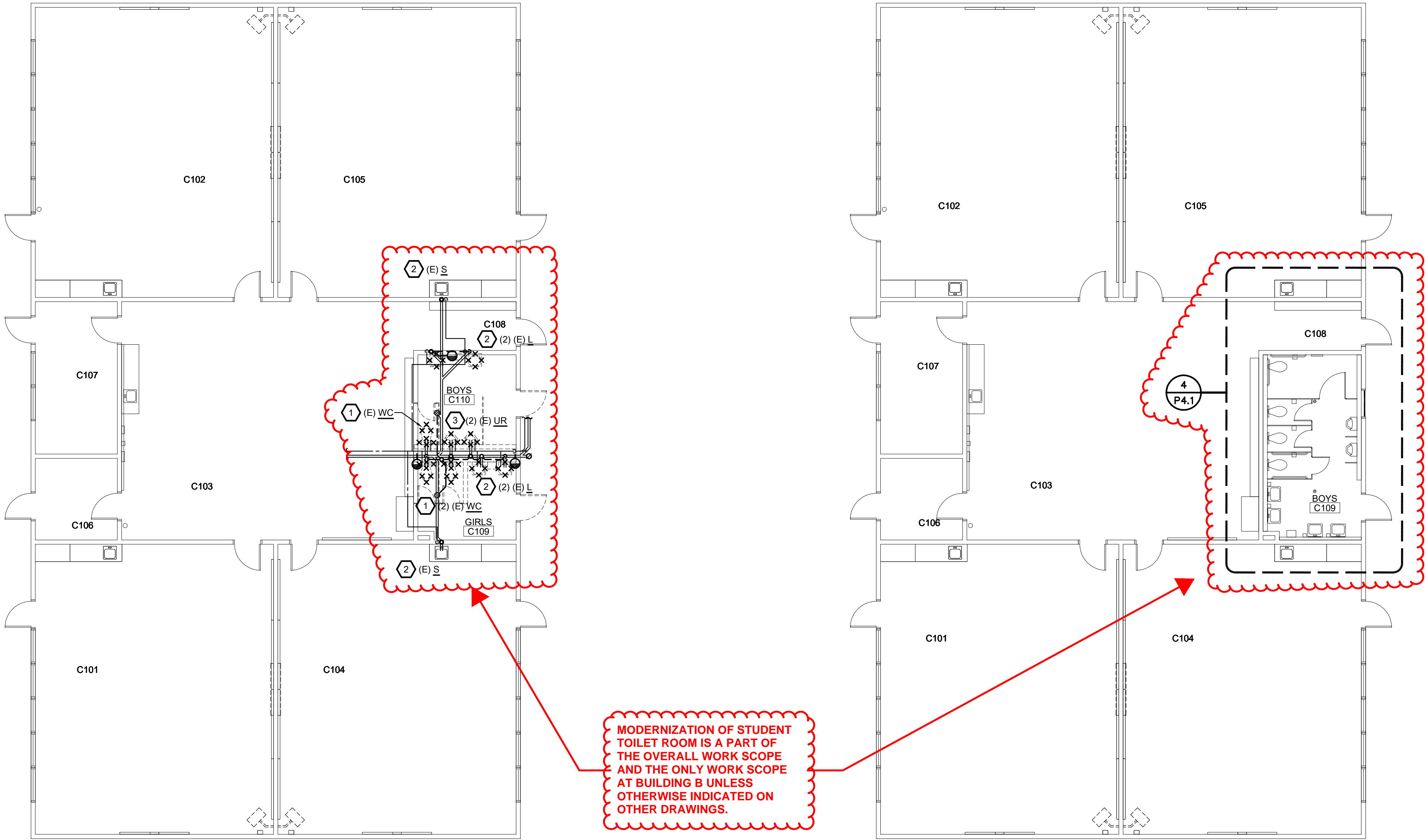
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PM - DESIGN TEAM PROJECT NO.

KEYPLAN



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DEMOLITION SHEET NOTES:

1 (E) FIXTURE TO BE REMOVED.
REMOVE EXISTING PIPE AS SHOWN
AND PREPARE EXISTING PIPE FOR
CONNECTION TO NEW FIXTURE.

2 (E) FIXTURE TO REMAIN.

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DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
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Sacramento, CA 95825
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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

PLUMBING -
DEMOLITION & FLOOR
PLANS - BUILDING C



PROJECT NO.	REVISIONS	BY
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P2.1.C.DWG		
UPDATED		
12/21/2022		
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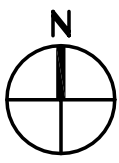
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OF 131 SHEETS

PLUMBING - DEMOLITION FLOOR PLAN

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

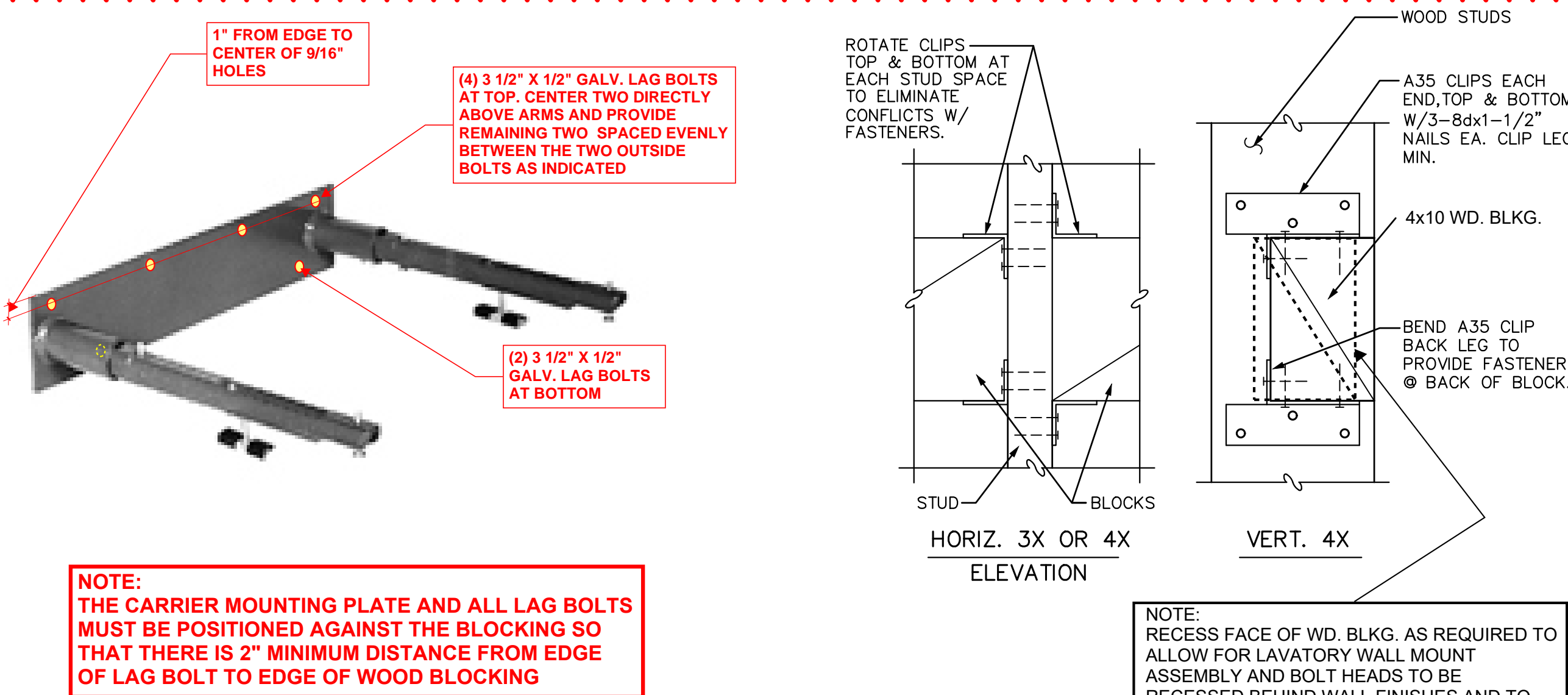
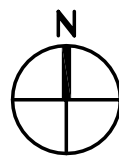
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P2.1C



PLUMBING - FLOOR PLAN

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

2
P2.1C



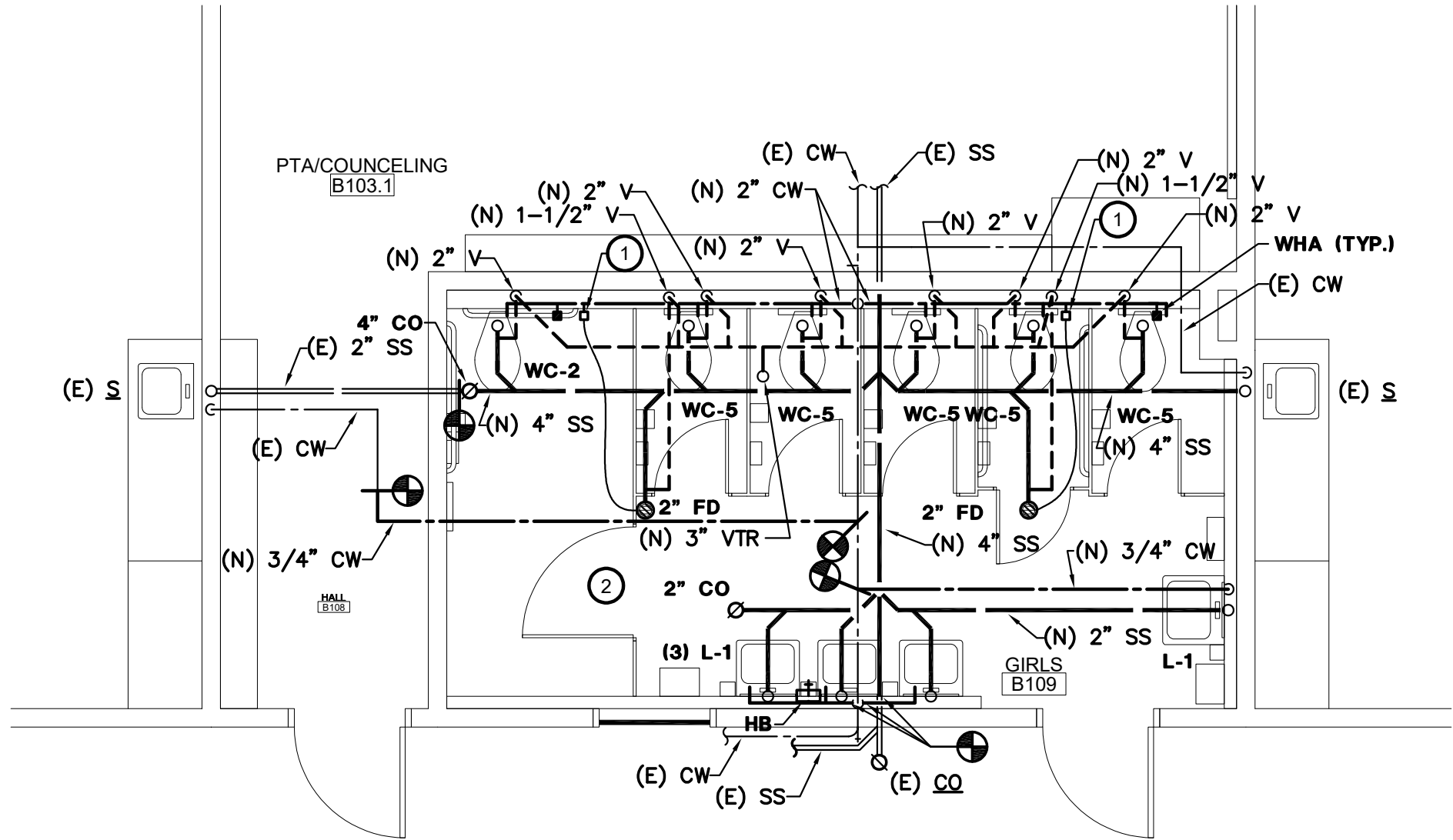
ALTERNATE LAVATORY CARRIER INSTALLATION:
DUE TO THE CONFLICTS WITHIN THE STUD SPACE,
THE INSTALLATION OF THE LAVATORY CARRIER
LEGS AND FEET MAY NOT BE POSSIBLE. THE
DETAIL PROVIDED HERE ALLOWS FOR THE
DELETION OF THE CARRIER LEGS AND FEET AND
PROVIDES REQUIREMENTS FOR DIRECT
CONNECTION OF THE CARRIER WALL PLATE TO
STUDS AND BLOCKING

3
P2.1C

LAVATORY WALL CARRIER W/ MODIFICATIONS

NO SCALE

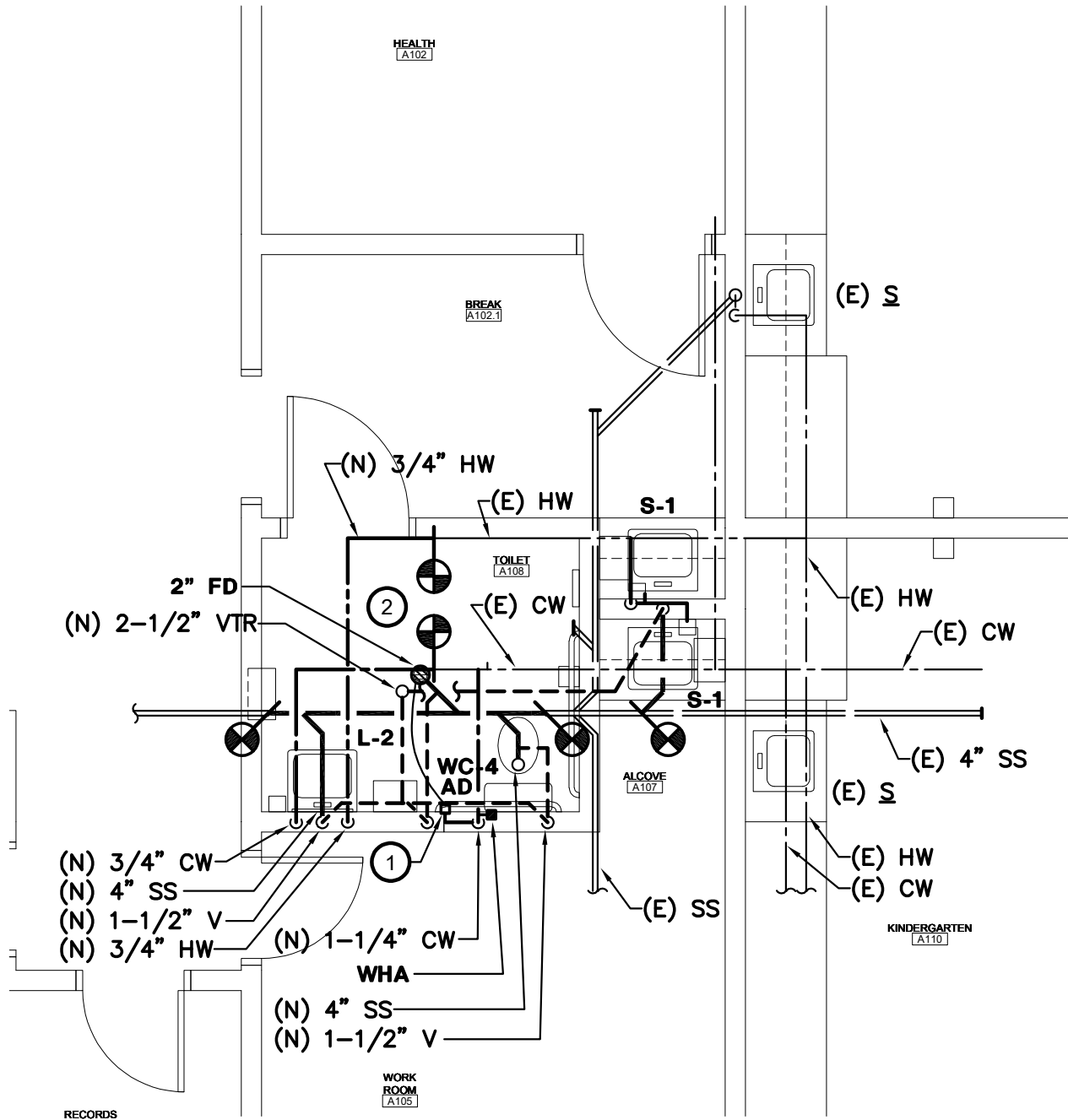
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**BUILDING B GIRLS
RESTROOM ENLARGED PLANS**

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

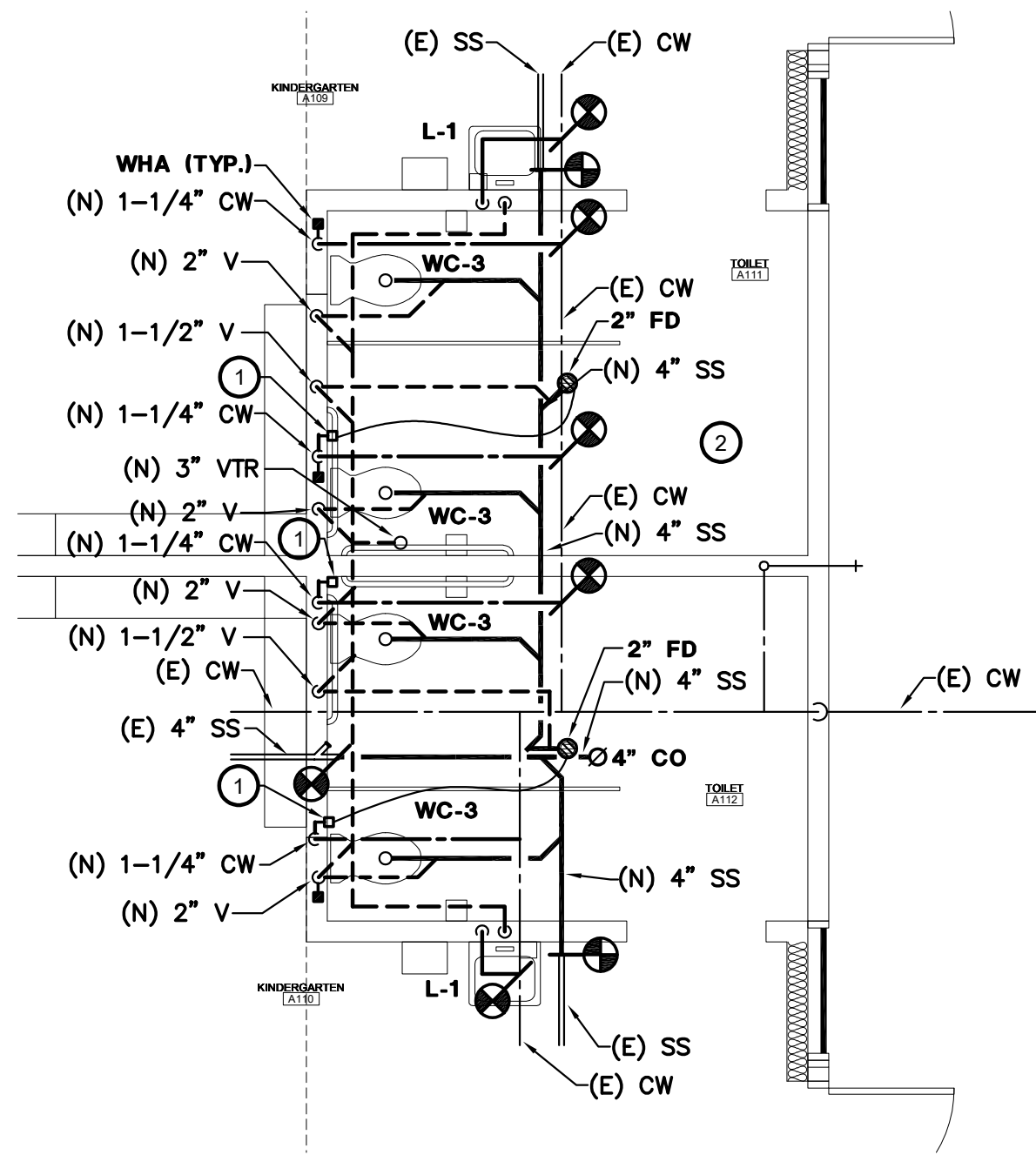
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P4.1**



**BUILDING A ADMIN
TOILET ENLARGED PLANS**

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

**2
P4.1**



**BUILDING A KINDER
TOILET ENLARGED PLANS**

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

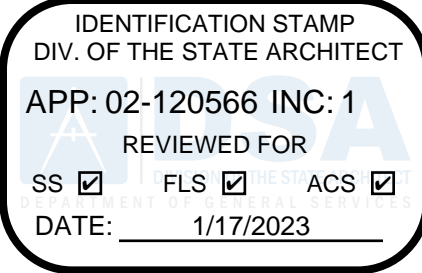
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P4.1**

GENERAL NOTES:

1. PROVIDE WATER HAMMER ARRESTOR (WHA) (●) AT END OF COLD WATER BRANCH FOR ALL FLUSH VALVE FIXTURES

SHEET NOTES:

1. PROVIDE TRAP PRIMER (P) LEADER TO ALL FLOOR DRAINS. SEE DETAIL 11F0.1 FOR TRAP PRIMER WITH ACCESS DOOR (AD).
2. PER SPEC SECTION 220050 PART 3.13.F AND G CAST IRON AND COPPER PIPING BELOW GRADE SHALL BE SLEEVED.



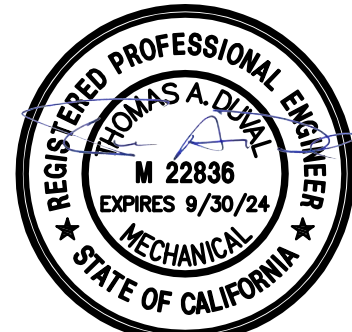
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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

PLUMBING - ENLARGED
PLANS

CONSULTANT

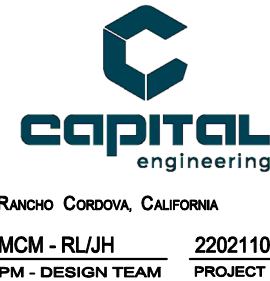


DATE SIGNED: 12/21/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
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SCALE		
AS SHOWN		
CADFILE		
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UPDATED		
12/21/2022		
SHEET NO.		

P4.1

OF 131 SHEETS



RANDY CORONA, CALIFORNIA
MCM - RLJH 22021100
PM - DESIGN TEAM PROJECT NO.

**BUILDING D GIRLS
RESTROOM ENLARGED PLANS**

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

**5
P4.1**

**BUILDING C BOYS
RESTROOM ENLARGED PLANS**

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

**4
P4.1**

ABBREVIATIONS	
A	AMPERES
AC	ALTERNATING CURRENT
A.F.F.	ABOVE FINISHED FLOOR
A.I.C.	AMPERE INTERRUPTING CAPACITY
AMP	AMPERE
AWG	AMERICAN WIRE GAUGE
BKR	BREAKER
C.	CONDUIT
C.B.	CIRCUIT BREAKER
CKT	CIRCUIT
CLG.	CEILING
C.O.	CONDUIT ONLY, WITH PULL WIRE
DC	DIRECT CURRENT
(E)	EXISTING
(ER)	EXISTING RELOCATED
EMT	ELECTRICAL METALLIC CONDUIT
(F)	FUTURE
GA.	GAUGE
GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
HP	HORSEPOWER
HVAC	HEATING, VENTILATING AND AIR CONDITIONING
Isc	SHORT CIRCUIT AMPERES
ISO	ISOLATED
K	THOUSAND
KV	KILO VOLT
KVA	KILO VOLT AMPERE
KW	KILO WATT
MAX.	MAXIMUM
MFR.	MANUFACTURER
MIN.	MINIMUM
MTD.	MOUNTED
N	NEUTRAL
(N)	NEW
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
N.I.C.	NOT IN CONTRACT
PFB	PROVISIONS FOR FUTURE CIRCUIT BREAKER
PH	PHASE
(R)	REMOVE
(RE)	RELOCATE EXISTING
RCPT.	RECEPTACLE
S.M.S	SHEET METAL SCREW
SWBD	SWITCHBOARD
SYS	SYSTEM
TYP.	TYPICAL
UG	UNDERGROUND
UL	UNDERWRITERS LABORATORY
V	VOLT
VA	VOLT-AMPERES
W	WIRE, WATT
WP	WEATHER PROTECTED
XFMR	TRANSFORMER

ELECTRICAL SYMBOL LIST	
	ENCLOSED LUMINAIRE - CEILING LAY-IN
	EXISTING LUMINAIRE TO BE REMOVED
	SWITCH, +45° AFF - "a.b" LETTER DENOTES MULTI-SWITCH FUNCTION, TYPICAL FOR ALL SWITCHES, MOTION SENSORS AND DAYLIGHT SENSORS UNLESS NOTED OTHERWISE. "K" DENOTES SINGLE POLE TOGGLE SWITCH.
	DIMMER SWITCH - SIZE AS NOTED ON PLAN
	OCCUPANCY SENSOR SWITCH WITH MANUAL OVERRIDE - WALL MOUNTED AT +45° AFF UNLESS NOTED OTHERWISE
	OCCUPANCY AREA SENSOR SWITCH - CEILING MOUNTED OS = OCCUPANCY SENSOR; PC = PHOTOCELL; DL = DAYLIGHT
	JUNCTION BOX - SIZE AS REQUIRED BY CODE
	DUPLEX CONVENIENCE OUTLET - NEMA 5-20R +18" A.F.F. TYPICAL FOR ALL CONVENIENCE OUTLETS, UNLESS NOTED OTHERWISE. LETTERS SHOWN ADJACENT TO OUTLET DESIGNATE THE FOLLOWING: "A" - HORIZONTAL ABOVE COUNTER "BC" - MOUNTED HIGH ON WALL JUST BELOW CEILING. "K" - HIGH ON WALL NEXT TO PROJECTORS.
	GFCI DUPLEX CONVENIENCE OUTLET - NEMA 5-20R
	SPECIAL RECEPTACLE AS SHOWN ON PLANS
	DATA OUTLET, +18" A.F.F. UNLESS NOTED OTHERWISE. LETTER "A" SHOWN ADJACENT TO OUTLET DESIGNATES MOUNTED ABOVE COUNTER, "BC" DESIGNATES OUTLET MOUNTED ON WALL JUST BELOW CEILING.
	CONDUIT RUN CONCEALED IN CEILINGS OR WALLS. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" CONDUIT. TYPICAL FOR ALL CONDUITS.
	FLEXIBLE CONDUIT CONCEALED. NUMBER OF HASH MARKS DENOTES QUANTITY OF WIRES. CURVED HASH MARK DENOTES QUANTITY OF #12 GREEN GROUND WIRES. CONDUCTORS OTHER THAN #12 ARE INDICATED ON PLANS. NO HASH MARKS DENOTES 2 #12 AWG AND 1 #12 GREEN GROUND IN 1/2" MINIMUM DIAMETER CONDUIT.
	CONDUIT RUN UNDER FLOOR OR UNDERGROUND MINIMUM 1" DIAMETER.
	CONDUIT HOMERUN TO PANELBOARD, SWITCHBOARD OR TERMINAL CABINET
	CONDUIT TURNED AND RISED UP
	CONDUIT TURNED AND DROPPED DOWN
	CONDUIT WITH CAP
	CONDUIT STUB WITH INSULATED BUSHING
	EXISTING CONDUIT AND WIRING
	EXISTING PANELBOARD - SURFACE MOUNTED
	EXISTING PANELBOARD - FLUSH MOUNTED
	TERMINAL CABINET
	EQUIPMENT DISCONNECT SWITCH - EXTERNALLY OPERATED, FUSED WITH FUSE SIZE INDICATED
	EQUIPMENT DISCONNECT SWITCH - EXTERNALLY OPERATED, NON-FUSIBLE
	EQUIPMENT CONTROLLER
	EQUIPMENT MOTOR POWER CONNECTIONS PART OF ELECTRICAL WORK
	MECHANICAL EQUIPMENT DESIGNATION - SEE MECHANICAL PLANS
	DRAWING SHEET NUMBERED NOTE DESIGNATION - APPLIES TO NUMBERED NOTE ON SAME SHEET
	DRAWING PLAN OR DETAIL DESIGNATION - "1" OR "A" DENOTES PLAN OR DETAIL NUMBER, "E-1" DENOTES SHEET NUMBER
SYMBOL LIST NOTES:	
1. EXISTING ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE SHOWN THE SAME AS NEW, EXCEPT LIGHTLY AND ACCOMPANIED BY (E). SUCH ELECTRICAL EQUIPMENT, OUTLETS, AND DEVICES ARE TO REMAIN AS IS, UNLESS OTHERWISE NOTED ON PLAN OR SPECIFICATION.	
2. VERIFY ON SITE THAT ALL PANELBOARDS HAVE MINIMUM WORKING SPACES PER CODE AND THAT THE DEDICATED PANELBOARD SPACES ARE CLEAR OF ALL DUCTS, PIPING AND EQUIPMENT FOREIGN TO THE PANEL BOARDS. NOTIFY THE ENGINEER FOR CORRECTIVE ACTION IN THE EVENT THAT FOREIGN OBJECTS IMPEDE THE DEDICATED PANELBOARD AREAS.	
TESTING NOTES:	
1. NEW LIGHTING AND LIGHTING CONTROLS SHALL BE TESTED BY THIRD PARTY.	
2. FIRE ALARM TESTING SHALL BE PROVIDED FOR NEW DEVICES AND 10% OF EXISTING DEVICES IN AFFECTED BUILDING.	

DEMOLITION GENERAL NOTES	
1.	INFORMATION SHOWN RELATIVE TO EXISTING CONDITIONS IS BASED UPON AVAILABLE RECORDS AND DATA. THEREFORE, IT SHALL BE REGARDED AS AN APPROXIMATION ONLY. CONTRACTOR AGREES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THE PROJECT. PRIOR TO SUBMITTING BID AND/OR BEFORE START OF ANY ELECTRICAL WORK, INSPECT ALL EXISTING LOCATIONS AND CONDITIONS AND ASCERTAIN WORK REQUIRED TO CLEAR PROJECT AREA OF ALL EXISTING ELECTRICAL ITEMS NOT BEING REUSED OR EXISTING TO REMAIN AS IS. REPORT ALL DISCREPANCIES AND COORDINATE ALL DEMOLITION WORK WITH THE OWNER'S REPRESENTATIVE. MAINTAIN SERVICE TO EXISTING ELECTRICAL EQUIPMENT IN AREAS ADJACENT TO REMODEL AREA, UNLESS OTHERWISE NOTED.
2.	PROTECT ALL EXISTING ELECTRICAL AND FIRE ALARM EQUIPMENT ON EXISTING WALLS AND CEILINGS NOT REQUIRED TO BE DEMOLISHED UNLESS OTHERWISE NOTED. DELIVER ALL EXISTING ELECTRICAL EQUIPMENT IN REMODELED AREAS, THAT ARE REMOVED AND NOT REUSED ELSEWHERE, AND ARE DEEMED TO BE SALVAGEABLE IN THE JUDGMENT OF THE CONTRACTOR AND OWNER'S REPRESENTATIVE, TO THE OWNER. DELIVER ALL SALVAGED ELECTRICAL EQUIPMENT AND OTHER ITEMS TO A LOCATION DESIGNATED BY THE OWNER'S REPRESENTATIVE. REMOVE FROM SITE, ALL OTHER ELECTRICAL EQUIPMENT, HARDWARE, AND OTHER ITEMS THAT ARE DEEMED UNSALVAGEABLE BY CONTRACTOR AND THE OWNER'S REPRESENTATIVE.
3.	CUT, PATCH AND MATCH IN ALL AREAS AFFECTED BY REMOVAL OF ELECTRICAL EQUIPMENT AND DEVICES.
4.	CAUSE AS LITTLE INTERFERENCE OR INTERRUPTION OF EXISTING UTILITIES AND SERVICES AS POSSIBLE. SCHEDULE ANY POWER OR OTHER UTILITY SHUTDOWN WITH THE OWNER'S REPRESENTATIVE. SHUTDOWNS WHICH MAY BE REQUIRED SHALL BE PRESENTED IN WRITING TO THE OWNER'S REPRESENTATIVE FOR APPROVAL TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. SHUTDOWN WORK SHALL BE PERFORMED ON OVERTIME HOURS IF SO DIRECTED BY OWNER'S REPRESENTATIVE.
5.	DISCONNECT AND REMOVE ALL EXISTING ELECTRICAL EQUIPMENT, FIXTURES, OUTLETS, DEVICES, CONDUIT, WIRING AND OTHER ELECTRICAL ITEMS, WHETHER SHOWN OR NOT, FROM EXISTING CEILINGS AND WALLS WHICH ARE TO BE DEMOLISHED. MAINTAIN CIRCUIT CONTINUITY TO ALL EXISTING REMAINING DEVICES, UNLESS OTHERWISE NOTED.
6.	COORDINATE WITH OTHER TRADES AND PROMPTLY TRANSMIT ALL INFORMATION REQUIRED BY THEM. COORDINATE THE SEQUENCE OF DEMOLITION WITH OTHER TRADES TO ENSURE THAT ALL WORK PROCEEDS WITH A MINIMUM OF INTERFERENCE AND DELAY.
7.	RELOCATE ALL CONDUITS THAT ARE TO REMAIN IN SERVICE WHICH ARE IN A LOCATION TO CONFLICT WITH NEW WORK.
8.	WHEREVER EXISTING ELECTRICAL DEVICES, PANELS, CONDUITS, CABLES, AND OTHER ITEMS, CONFLICT WITH REMODEL WORK, WHETHER SHOWN OR NOT, RELOCATE THESE ITEMS TO COORDINATE WITH NEW CONSTRUCTION.
9.	REUSE EXISTING CONDUITS AND WIRING WHEREVER POSSIBLE UNLESS OTHERWISE NOTED TO BE REMOVED.
10.	PROVIDE FIRE RATED BACKBOXES TO MAINTAIN FIRE RATING OF CEILING OR WALLS AT LOCATIONS WHERE RECESSED ELECTRICAL EQUIPMENT SUCH AS LIGHT FIXTURES, SWITCHES, RECEPTACLES, PANELS, AND OTHER ITEMS, ARE INSTALLED IN RATED WALLS OR CEILINGS.
11.	PROVIDE PROTECTIVE COVERING OVER EXISTING EQUIPMENT WHEN INSTALLING ALL NEW WORK.
12.	PROVIDE NEW PANEL DIRECTORIES FOR EXISTING PANELS INVOLVED IN THIS RENOVATION WORK, REFLECTING ALL CHANGES TO CIRCUIT DESIGNATIONS.
13.	ASBESTOS REMOVAL: IN THE EVENT ASBESTOS IS FOUND TO BE PRESENT IN AREAS CONFLICTING WITH ELECTRICAL WORK, BEFORE CONTINUATION OF WORK IN THOSE AREAS, NOTIFY THE OWNER'S REPRESENTATIVE FOR THE REMOVAL OF SUCH HAZARDOUS MATERIAL BY A CERTIFIED ASBESTOS CONTRACTOR.
14.	CIRCUIT NUMBERS AND CIRCUITING BASED UPON AS-BUILTS. ACTUAL CONDITION MAY VARY. TRACE AND VERIFY ALL CIRCUITS SHOWN ARE AVAILABLE FOR DEMOLITION AND REUSE AS NEEDED DURING THE REMODEL PHASE. DOCUMENT ALL CHANGES ON AS-BUILT DRAWINGS.

LUMINAIRE SCHEDULE					
TYPE	MANUFACTURER CATALOG NO.	VOLTAGE DESCRIPTION	LIGHT SOURCE (LED, WATTS, LUMENS, COLOR TEMPERATURE, CRI, RS IF AVAILABLE)	MOUNTING	REMARK NOTE No.
A	WILLIAMS PTS PTS-1-4-L27-9-35-RA-DIM-120	120V LED 2x4 SURFACE	LED, 21.4W, 3500K, 90CRI	SURFACE	(A)
B	WILLIAMS 39 39-4-L30-9-35-A-DIM	120V LED 1x4 SURFACE	LED, 22.8W, 3500K, 90CRI	SURFACE	(A)
D	WILLIAMS GH GH-2-L120-9-35-FA	120V LED 2X1 HIGH BAY	LED, 90.8W, 3500K, 90CRI	SURFACE	(1) (B)
E	PARAMOUNT C5 PMC5-4-SF-UNV-95K-CRI90-93L-PZ-L5-LD	120V LED 1X4 KITCHEN NSF	LED, 42.5W, 3500K, 90CRI	SURFACE	(C)
AA	WILLIAMS WPAS-L34-8-50-BZ-EM/6W	120V LED EXTERIOR WALL PACK	LED, 44W, 3000K, 80CRI	WALL MOUNTED	(5) (4) (D)
X	EMERGI-LITE AA-DX-1-G-N	120V LED EXIT LIGHT	LED, 2.5W	SURFACE	(E)
P1	Gardco P26-48L-400-NW-G2-AR-3-120-CS50	120V SINGLE PureForm LED P26	LED, 60W, 8827LM, 4000K, 70CRI	POLE	(2)
P2	Gardco PureForm LED P26 P26-48L-400-NW-G2-AR-3-120-CS50	120V SINGLE PureForm LED P26	LED, 60W, 8827LM, 4000K, 70CRI	POLE 25'	(2)
P3	Gardco PureForm LED P26 P26-48L-400-NW-G2-AR-3-120-CS50	120V SINGLE PureForm LED P26	LED, 60W, 8827LM, 4000K, 70CRI	POLE 25'	(3)
P3	Gardco PureForm LED PPT PPT-196L-650-NW-G2-T3-1-120-CS50	120V SINGLE PureForm LED PPT	LED, 30W, 3012LM, 4000K, 70CRI	POLE 12'	(3)
LUMINAIRE SCHEDULE REMARK NOTES:					
(1) PROVIDE WITH INTEGRAL MOTION SENSOR.					
(2) PROVIDE WITH 25', 5"Ø, STRAIGHT ROUND POLE, COLOR TO MATCH FIXTURE					
(3) PROVIDE WITH 12', 4"Ø, STRAIGHT ROUND POLE, COLOR TO MATCH FIXTURE					
(4) PROVIDE WITH BATTERY OPERATED DRIVER, MIN. 90MIN. BATTERY RUN.					
(5) REPLACE (E) LIGHT FIXTURE. INSTALLED TO (E) FLUSH MOUNTED 4" SQUARE ELECTRICAL BOX.					
(A) INSTALL PER 3/E4.1 IN BUILDINGS A,B,C; AND PER 1/E4.1 IN BUILDINGS D,E,F					
(B) INSTALL PER 2/E4.1					
(C) INSTALL PER 1/E4.1					
(D) REPLACE FIXTURE IN PLACE, INSTALL TO (E) BACKBOX.					
(E) INSTALL PER 5/E4.1					

ELECTRICAL SHEET INDEX		
No. OF SHEETS	DRAWING No.	DRAWING DESCRIPTIONS
1	E0.1	ELECTRICAL SHEET INDEX, SYMBOL LIST, ABBREVIATIONS AND NOTES
2	E1.0	SITE PLAN - ELECTRICAL DEMOLITION
3	E1.1	SITE PLAN - ELECTRICAL
4	E2.1.A	DEMOLITION AND REMODEL PLANS - LIGHTING - BUILDING A
5	E2.2.A	DEMOLITION AND REMODEL PLANS - ELECTRICAL - BUILDING A
6	E2.1.B	DEMOLITION AND REMODEL PLANS - LIGHTING - BUILDING B
7	E2.2.B	DEMOLITION AND REMODEL PLANS - ELECTRICAL - BUILDING B
8	E2.1.C	DEMOLITION AND REMODEL PLANS - LIGHTING - BUILDING C
9	E2.2.C	DEMOLITION AND REMODEL PLANS - ELECTRICAL - BUILDING C
10	E2.1.D	DEMOLITION AND REMODEL PLANS - LIGHTING - BUILDING D
11	E2.2.D	DEMOLITION AND REMODEL PLANS - ELECTRICAL - BUILDING D
12	E2.1.E	DEMOLITION AND REMODEL PLANS - LIGHTING - BUILDING E
13	E2.2.E	DEMOLITION AND REMODEL PLANS - ELECTRICAL - BUILDING E
14	E2.1.F	DEMOLITION AND REMODEL PLANS - LIGHTING - BUILDING F
15	E2.2.F	DEMOLITION AND REMODEL PLANS - ELECTRICAL - BUILDING F
16	E3.1	ONE-LINE POWER DIAGRAMS
17	E3.2	PANEL SCHEDULES
18	E4.1	ELECTRICAL DETAILS
19	E4.2	ELECTRICAL DETAILS
20	E5.1	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS - BUILDING A
21	E5.2	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS - BUILDING B
22	E5.3	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS - BUILDING C
23	E5.4	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS - BUILDING D
24	E5.5	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS - BUILDING E
25	E5.6	TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS - BUILDING F
26	E5.7	TITLE 24 OUTDOOR LIGHTING COMPLIANCE FORMS

MEP COMPONENT ANCHORAGE NOTE	
MEP COMPONENT ANCHORAGE NOTE	
ALL MECHANICAL, PLUMBING, AND ELECTRICAL COMPONENTS SHALL BE ANCHORED AND INSTALLED PER THE DETAILS ON THE DSA APPROVED CONSTRUCTION DOCUMENTS. WHERE NO DETAIL IS INDICATED, THE FOLLOWING COMPONENTS SHALL BE ANCHORED OR BRACED TO MEET THE FORCE AND DISPLACEMENT REQUIREMENTS PRESCRIBED IN THE 2019 CBC. SECTIONS 1617A.1.18 THROUGH 1617A.1.26 AND ASCE 7-16 CHAPTER 13, 26, AND 30. 1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY OR MOVABLE EQUIPMENT THAT IS PERMANENTLY ATTACHED (E.G. HARD WIRED) TO THE BUILDING UTILITY SERVICES SUCH AS ELECTRICITY, GAS OR WATER. 3. MOVABLE EQUIPMENT WHICH IS STATIONED IN ONE PLACE FOR MORE THAN 8 HOURS AND HEAVIER THAN 400 POUNDS OR HAS A CENTER OF MASS LOCATED 4 FEET OR MORE ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT ARE REQUIRED TO BE ANCHORED WITH TEMPORARY ATTACHMENTS. THE FOLLOWING MECHANICAL AND ELECTRICAL COMPONENTS SHALL BE POSITIVELY ATTACHED TO THE STRUCTURE, BUT THE ATTACHMENT NEED NOT BE DETAILED ON THE PLANS. THESE COMPONENTS SHALL HAVE FLEXIBLE CONNECTIONS PROVIDED BETWEEN THE COMPONENT AND ASSOCIATED DUCTWORK, PIPING AND CONDUIT. A. COMPONENTS WEIGHING LESS THAN 400 POUNDS AND HAVE A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORT THE COMPONENT. B. COMPONENTS WEIGHINGLESS THAN 20 POUNDS, OR IN THE CASE OF DISTRIBUTED SYSTEMS, LESS THAN 5 POUNDS PER FOOT, WHICH ARE SUSPENDED FROM A ROOF OR FLOOR OR HUNG FROM A WALL. FOR THOSE ELEMENTS THAT DO NOT REQUIRE DETAILS ON THE APPROVED DRAWINGS, THE INSTALLATION SHALL BE SUBJECT TO THE APPROVAL OF THE DESIGN PROFESSIONAL IN GENERAL RESPONSIBLE CHARGE OR STRUCTURAL ENGINEER DELEGATED RESPONSIBILITY AND THE DSA DISTRICT STRUCTURAL ENGINEER. THE PROJECT INSPECTOR WILL VERIFY THAT ALL COMPONENTS AND EQUIPMENT HAVE BEEN ANCHORED IN ACCORDANCE WITH THE ABOVE REQUIREMENTS. PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM BRACING NOTE PIPING, DUCTWORK AND ELECTRICAL DISTRIBUTION SYSTEM SHALL BE BRACED TO COMPLY WITH THE FORCES AND DISPLACEMENTS PRESCRIBED IN ASCE 7-16 SECTION 13.3 AS DEFINED IN ASCE 7-16 SECTION 13.6.5, 13.6.6, 13.6.7, 13.6.8, AND 2019 CBC, SECTIONS 1616A.1.24, 1616A.1.25, AND 1616A.1.26. THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G. SMACNA OR OSHDP OPM), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL BE AVAILABLE ON THE JOBSITE PRIOR TO THE START AND DURING THE HANGING AND BRACING OF THE DISTRIBUTION SYSTEMS. THE STRUCTURAL ENGINEER OF RECORD SHALL VERIFY THE ADEQUACY OF THE STRUCTURE TO SUPPORT THE HANGER AND BRACE LOADS. MECHANICAL PIPING (MP), MECHANICAL DUCTS (MD), PLUMBING PIPING (PP), ELECTRICAL DISTRIBUTION SYSTEMS (E): MP: <input type="checkbox"/> MD: <input type="checkbox"/> PP: <input type="checkbox"/> E: <input type="checkbox"/> - OPTION 1 : DETAILED ON THE APPROVED DRAWINGS WITH PROJECT SPECIFIC NOTES AND DETAILS. MP: <input type="checkbox"/> MD: <input type="checkbox"/> PP: <input type="checkbox"/> E: <input type="checkbox"/> - OPTION 2: SHALL COMPLY WITH THE APPLICABLE OSHDP PRE-APPROVED (OPM #)	

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IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

ELECTRICAL SHEET INDEX,
SYMBOL LIST,
ABBREVIATIONS AND NOTES

CONSULTANT

12/20/2022

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E0.1

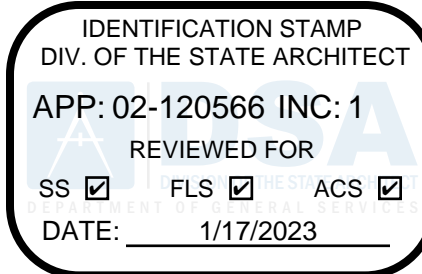
OF 131 SHEETS



- 1 REPLACE (E) MAIN SWITCHBOARD / PANEL IN PLACE. REFER TO FLOOR PLANS AND ONE LINE POWER DIAGRAM. SEE 1/E4.2 FOR INSTALLATION.
- 2 LOCATE (E) LIGHTING CIRCUIT USED FOR REMOVED POLE LIGHTS. PROVIDE (N) PULL BOX OVER (E) CONDUIT AND CONTINUE AS SHOWN. PROVIDE (N) 2 #10 WIRING THROUGH (N) AND (E) CONDUITS BACK TO (E) PANEL F. CKT #27. (N) POLE LIGHTS SHALL BE CONTROLLED BY BUILDING ENERGY MANAGEMENT SYSTEM. COORDINATE WITH MECHANICAL BEFORE ROUGH IN.
- 3 LOCATE (E) LIGHTING CIRCUIT USED FOR REMOVED QUAD POLE LIGHTS. EXTEND (E) CONDUIT AND CONTINUE AS SHOWN. PROVIDE (N) 2 #10 WIRING THROUGH (N) AND (E) CONDUITS BACK TO (E) PANEL F. CKT #25. (N) QUAD POLE LIGHTS SHALL BE CONTROLLED BY BUILDING ENERGY MANAGEMENT SYSTEM. COORDINATE WITH MECHANICAL BEFORE ROUGH IN.
- 4 (2) 3" C.O. FOR FUTURE E.V. CHARGERS. FROM MAIN SWITCHBOARD TO PULLBOXES AS SHOWN. PROVIDE PULL ROPE AND SEAL CONDUITS.
- 5 3" C.O. FOR FUTURE E.V. CHARGERS. PROVIDE PULL ROPE AND SEAL CONDUIT.
- 6 EXISTING AND NEW WALL MOUNTED LIGHTING. REFER TO FLOOR PLANS. LIGHTING FOR ADDITIONAL INFORMATION. TYPICAL.
- 7 SEE 1/E4.2 FOR TYPICAL TRENCHING.
- 8 SEE 2/E4.2 FOR INSTALLATION. TYPICAL FOR U.S. PULLBOXES.
- 9 INFRASTRUCTURE FOR GATE OPERATOR. ELECTRICAL CONTRACTOR TO PROVIDE 1" C.O. WITH PULL ROPE FROM JANITOR DRY THROUGH WALL (USE L.B.) HIGH ON WALL JUST UNDER SOFFIT. THEN DOWN WALL UNDERGROUND TO STRIKE SIDE POST OF 12' GATE. INSTALL NEMA 3R ENCLOSURE WITH SCREW COVER 16"X16" ON STRIKE SIDE POST - BOTTOM OF ENCLOSURE 6" ABOVE GRADE. COORDINATE EXACT REQUIREMENTS WITH GATE CONTROL INSTALLER BEFORE ROUGH IN.



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MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

SITE PLAN - ELECTRICAL

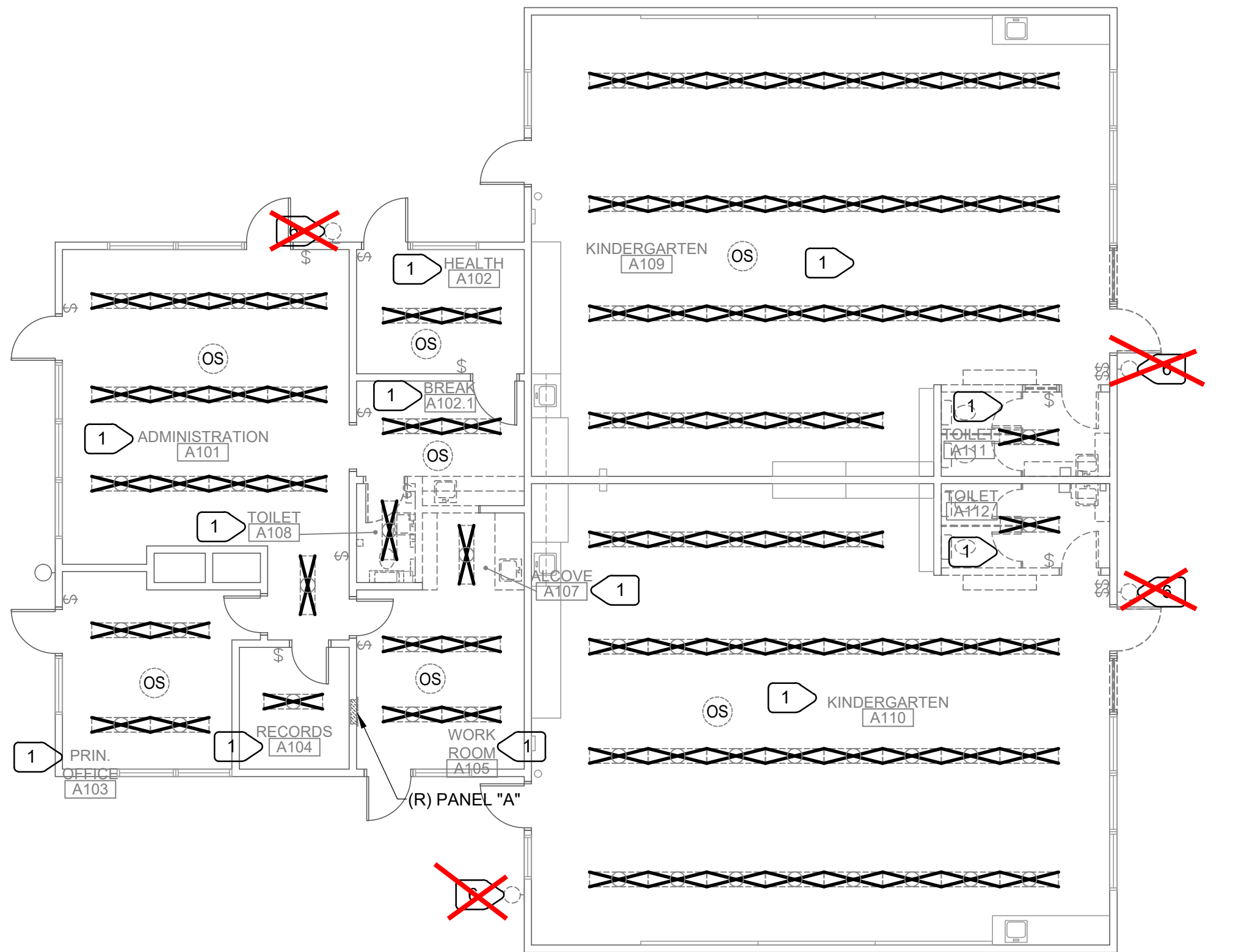
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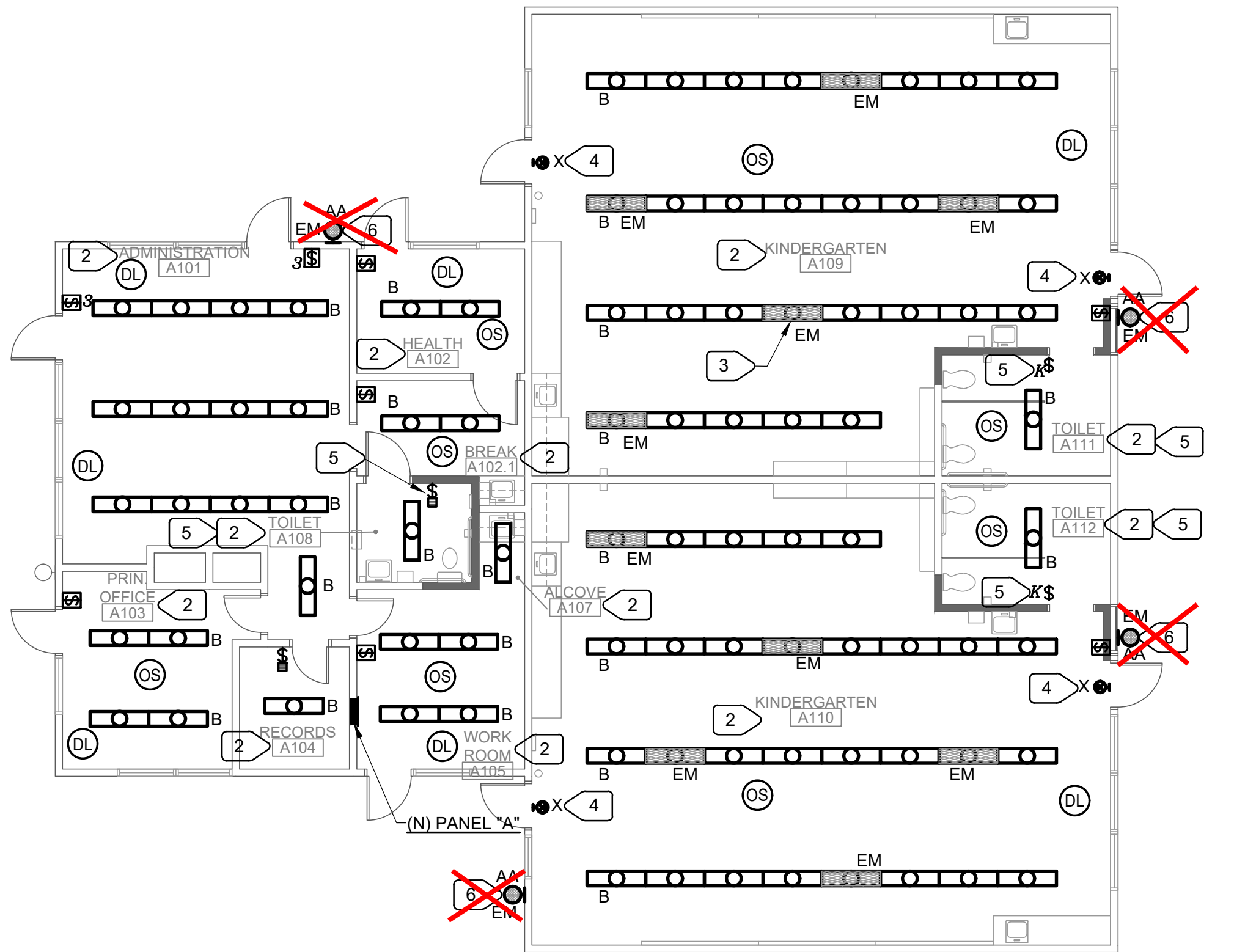


1

E2.1.A

DEMOLITION PLAN - LIGHTING - BUILDING A

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



2

E2.1.A

REMODEL PLAN - LIGHTING - BUILDING A

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

- NUMBERED NOTES
- 1

DISCONNECT AND REMOVE ALL FIXTURES IN THIS ROOM. PROTECT (E) LIGHTING CIRCUIT FOR REUSE. DISCONNECT AND REMOVE SWITCH(ES). REMOVE WIRING BETWEEN LIGHT FIXTURES AND SWITCHES. DISCONNECT AND REMOVE OCCUPANCY SENSOR AND ASSOCIATED POWER PACK AND CONTROL WIRING.
- 2

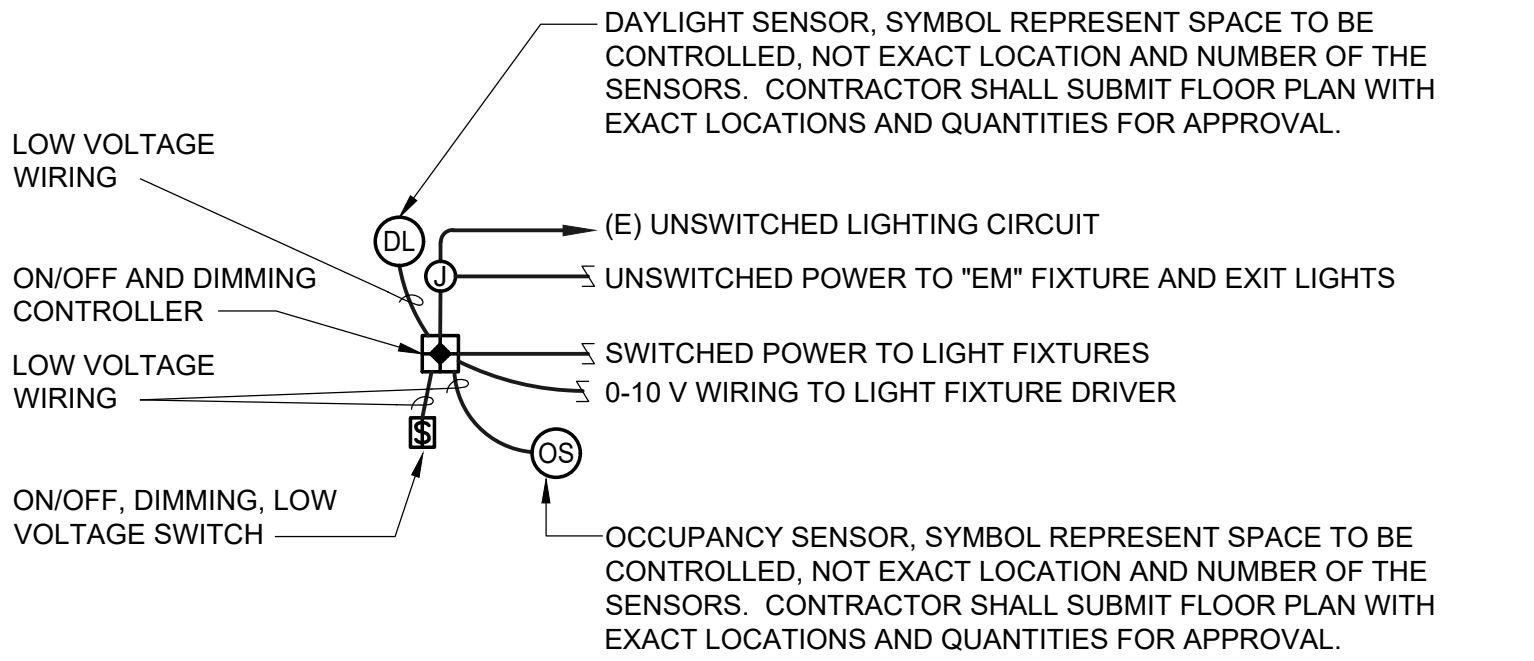
PROVIDE (N) LIGHT FIXTURES. CONNECT INTO (E) LIGHTING CIRCUIT. PROVIDE (N) OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND DIMMER SWITCH. REFER TO DIAGRAM FOR CONNECTION. REUSE (E) BACKBOXES WHERE POSSIBLE.
- 3

PROVIDE UNSWITCHED "HOT" TO BATTERY OPERATED EMERGENCY DRIVER. TYPICAL FOR "EM" LIGHT FIXTURES.
- 4

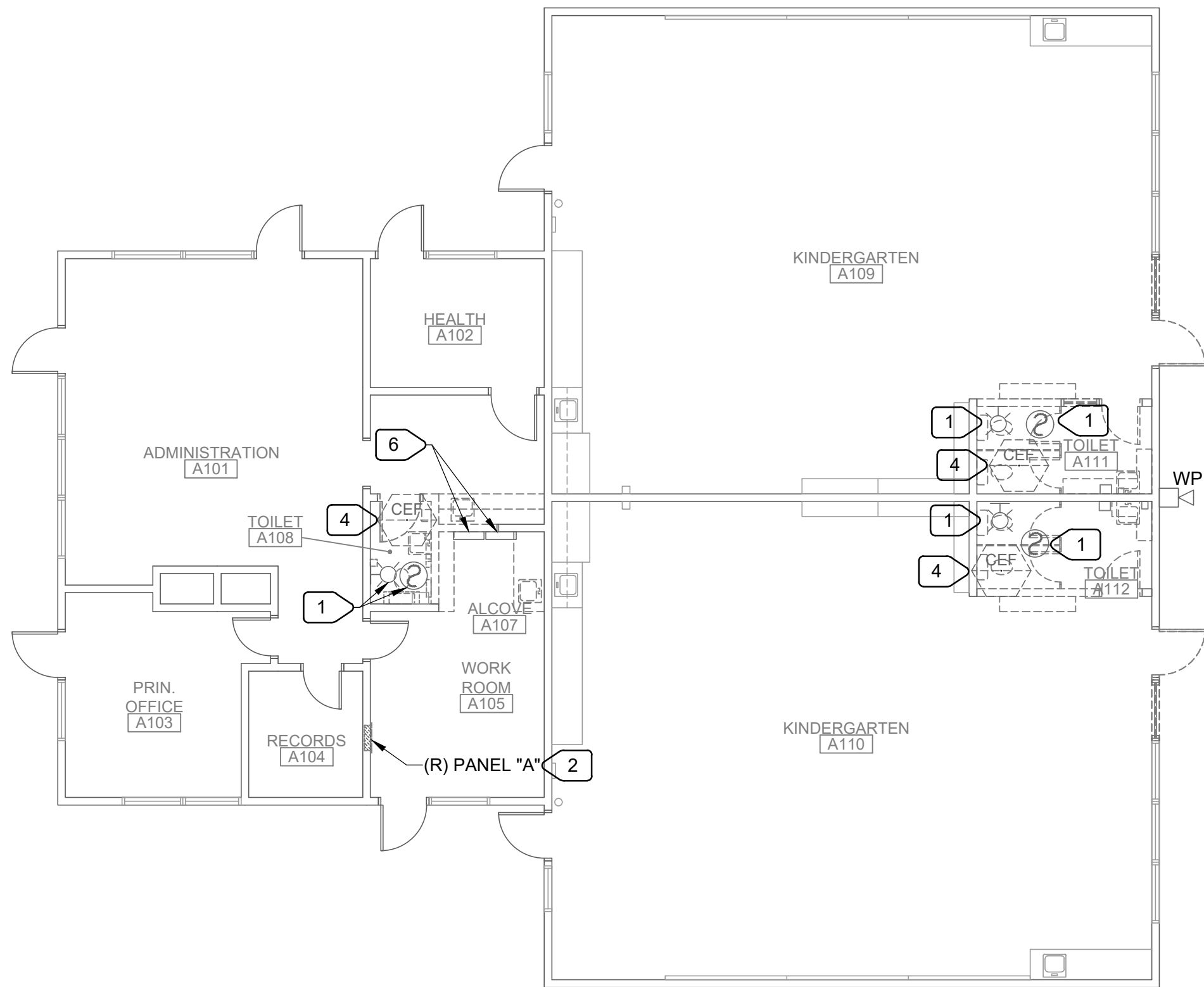
PROVIDE UNSWITCHED "HOT" TO EXIT SIGN.
- 5

CONNECT FAN INTO LIGHTING CIRCUIT IN THIS SPACE. REMOVE (E) FAN/LIGHT CONTROLS AND PROVIDE SWITCH WITH TIME DELAY OFF FOR FAN - ADJUSTABLE FROM 0-60MIN.
- 6

REPLACE (E) WALL MOUNTED LIGHT WITH (N) EM LIGHT FIXTURE. PROVIDE ADDITIONAL UNSWITCHED "HOT" WIRE FOR BATTERY DRIVER.



LIGHTING CONTROL DIAGRAM

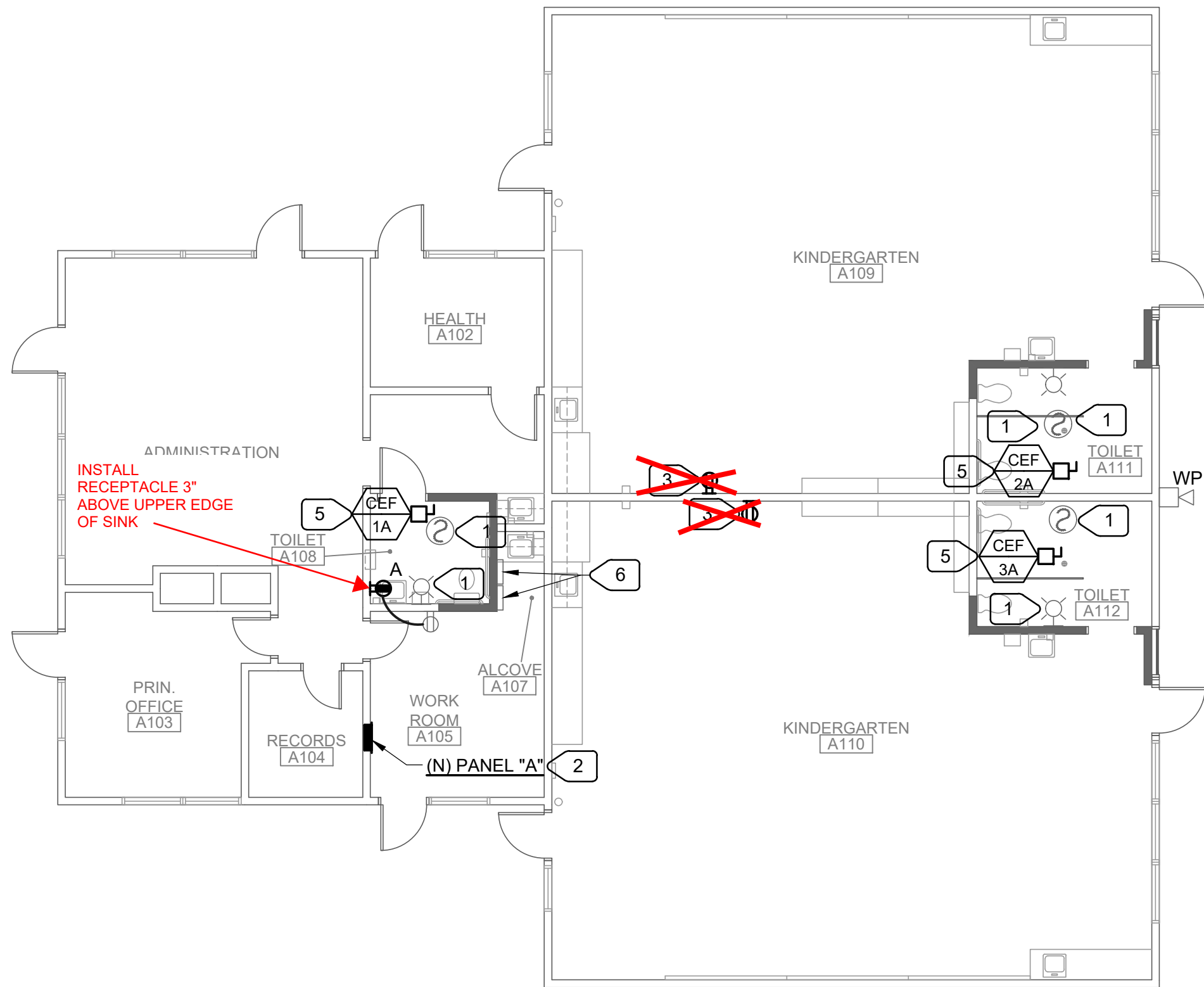


1

E2.2.A

DEMOLITION PLAN - ELECTRICAL - BUILDING A

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



2

E2.2.A

REMODEL PLAN - ELECTRICAL - BUILDING A

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

NUMBERED NOTES

- 1
- EXISTING FIRE ALARM DEVICE. REMOVE AND REINSTALL TO ACCOMMODATE NEW CEILING WORK. MAINTAIN ALL CONNECTIONS AND OPERABILITY. EXTEND EXISTING CIRCUITRY AS REQUIRED. (E) 15CD STROBE AND (E) SMOKE DETECTOR ARE ADEQUATE TO COVER REMODELED SPACE.
- 2
- EXISTING WESTINGHOUSE PANEL TO BE REMOVED AND REPLACED WITH NEW SQUARE D PANEL. EXISTING SUPPLY FEEDER AND EXISTING LOAD SIDE CIRCUITRY AND CONDUITS TO BE REUSED. PROTECT EXISTING WIRING AND CONDUITS DURING PANEL REMOVAL. (N) PANEL SHALL MATCH EXISTING PANEL CHARACTERISTICS. RECONNECT TO EXISTING SUPPLY FEEDER. RECONNECT ALL EXISTING LOAD CIRCUITS USING EXISTING CIRCUITRY. SEE 4/E4.1.
- 3
- ~~PROVIDE NEW RECEPTACLE. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA. EXTEND EXISTING RACEWAYS AND CONDUITS AS REQUIRED. MATCH BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ALL REQUIREMENTS.~~
- 4
- DISCONNECT (E) FAN.
- 5
- CONNECT (N) FAN INTO (E) LIGHTING CIRCUIT VIA TIME DELAY SWITCH. SEE LIGHTING PLAN, AND MECHANICAL PLANS.
- 6
- (E) POWER SUPPLY. CAREFYLLY DISCONNECT AND REINSTALL AS SHOWN. EXTEND (E) CIRCUITS TO (N) LOCATION.

FIRE ALARM NOTE:

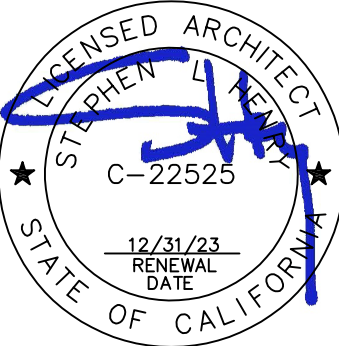
AFTER INSTALLATION OF NEW DEVICES, AND REINSTALLATION OF EXISTING DEVICES CONTRACTOR SHALL TEST AND INSPECT COMPLETE FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72, CHAPTER 14.



M. NEILS
ENGINEERING, INC.
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-8217
www.mneilsengineering.com
Tel: (916) 923-4400
PROJECT #: 21249.21
PRJ MGR: Sinisha Glisic

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DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

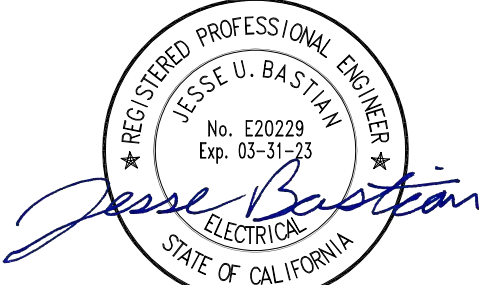
730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

DEMOLITION AND
REMODEL PLANS -
ELECTRICAL - BUILDING A

CONSULTANT



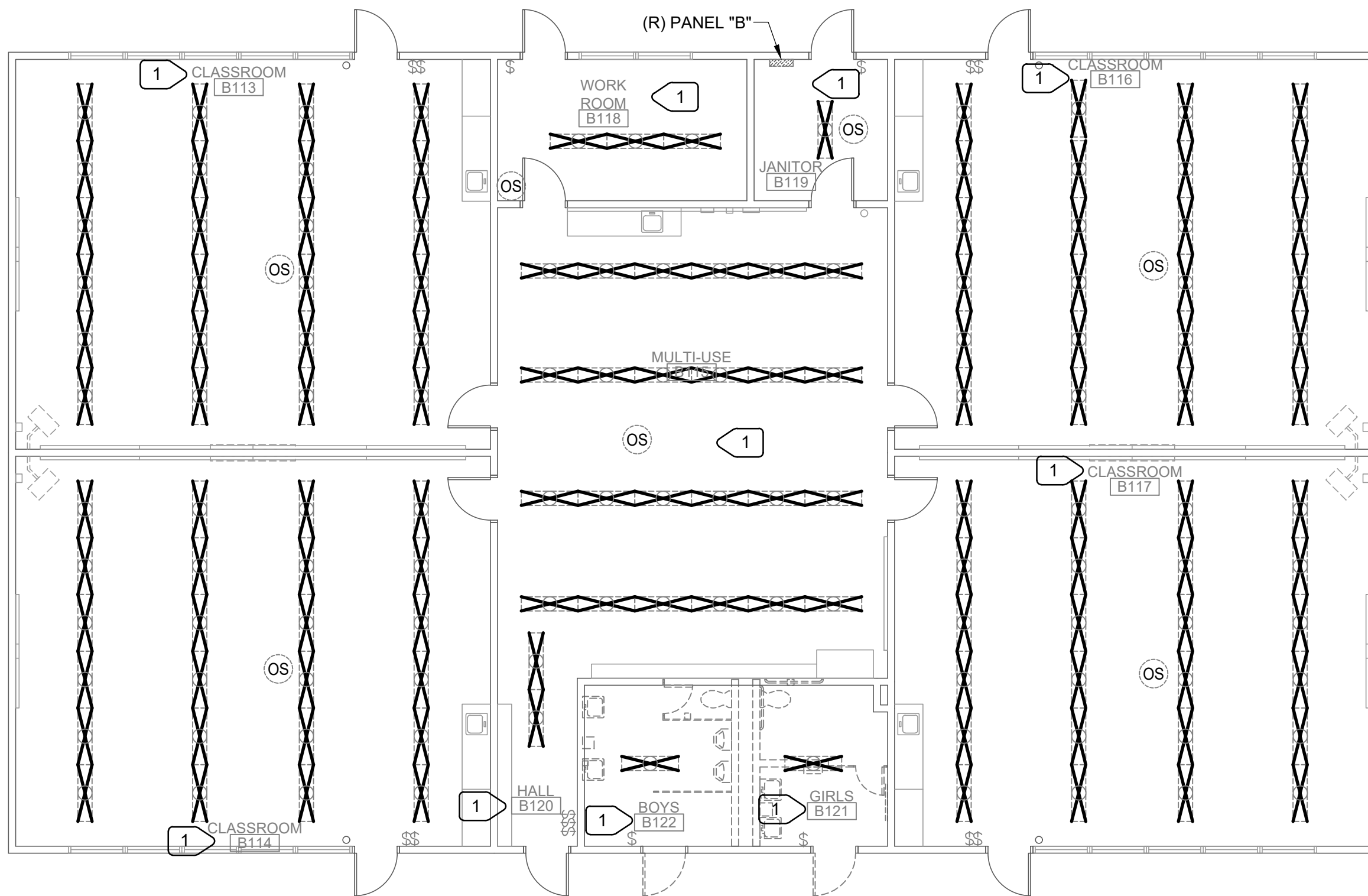
12/20/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
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SCALE		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

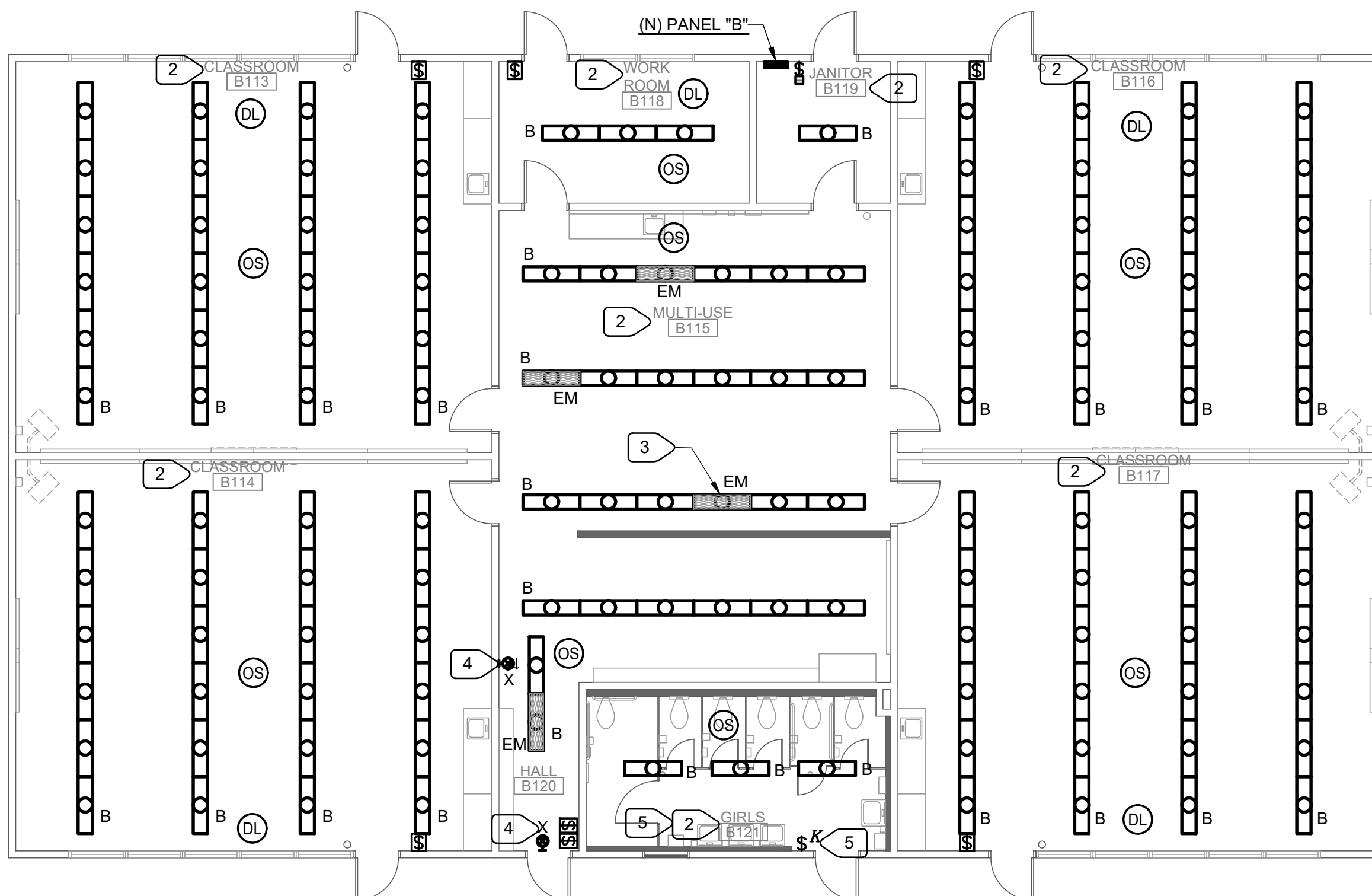
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OF 131 SHEETS

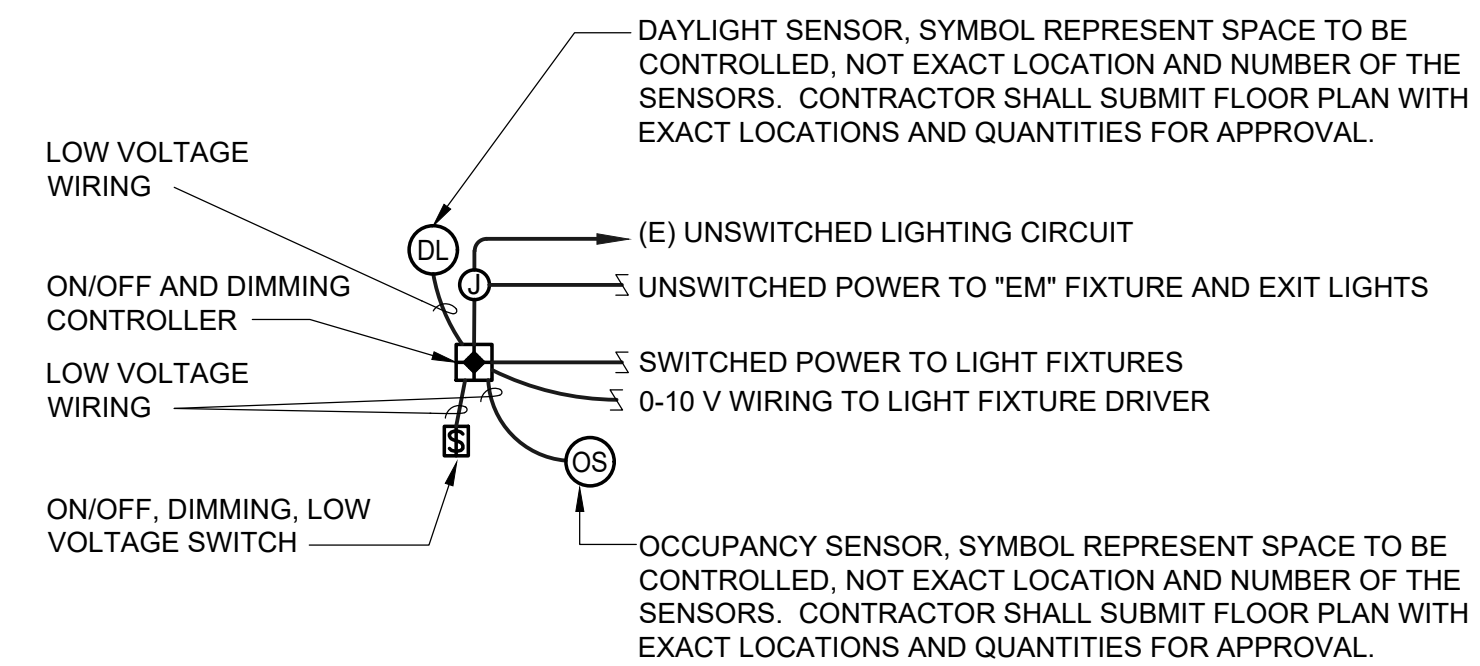
E2.1.B SCALE : 1/8" = 1'-0"



E2.1.B SCALE : 1/8" = 1'-0"



- 1 DISCONNECT AND REMOVE ALL FIXTURES IN THIS ROOM. PROTECT (E) LIGHTING CIRCUIT FOR REUSE. DISCONNECT AND REMOVE SWITCH(ES). REMOVE WIRING BETWEEN LIGHT FIXTURES AND SWITCHES. DISCONNECT AND REMOVE OCCUPANCY SENSOR AND ASSOCIATED POWER PACK AND CONTROL WIRING.
- 2 PROVIDE (N) LIGHT FIXTURES. CONNECT INTO (E) LIGHTING CIRCUIT. PROVIDE (N) OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND DIMMER SWITCH. REFER TO DIAGRAM FOR CONNECTION. REUSE (E) BACKBOXES WHERE POSSIBLE.
- 3 PROVIDE UNSWITCHED "HOT" TO BATTERY OPERATED EMERGENCY DRIVER. TYPICAL FOR "EM" LIGHT FIXTURES.
- 4 PROVIDE UNSWITCHED "HOT" TO EXIT SIGN.
- 5 CONNECT FAN INTO LIGHTING CIRCUIT IN THIS SPACE. REMOVE (E) FAN/LIGHT CONTROLS AND PROVIDE SWITCH WITH TIME DELAY OFF FOR FAN - ADJUSTABLE FROM 0-60MIN.



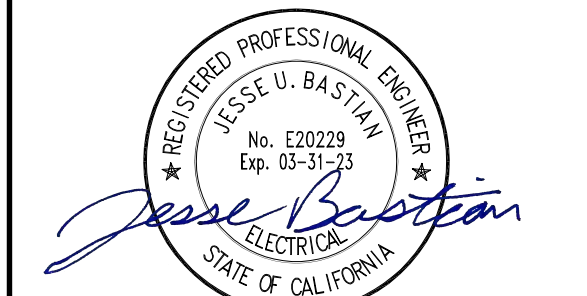
LIGHTING CONTROL DIAGRAM



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

DEMOLITION AND
REMODEL PLANS -
LIGHTING - BUILDING B

CONSULTANT



12/20/2022

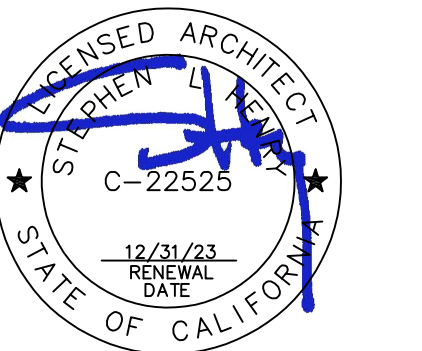
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DATE 5/26/2022		
DRAWN MNE		
CHECKED MNE		
SCALE		
CADFILE		
UPDATED 12/21/2022		
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OF 131 SHEETS

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DATE: 1/17/2023

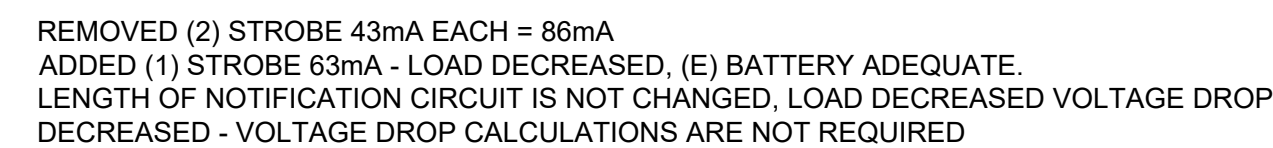
730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212






- 1 EXISTING FIRE ALARM DEVICE. REMOVE AND REINSTALL PER FIRE ALARM RISER DIAGRAM. MAINTAIN ALL CONNECTIONS AND OPERABILITY. EXTEND EXISTING CIRCUITRY AS REQUIRED.
- 2 EXISTING WESTINGHOUSE PANEL TO BE REMOVED AND REPLACED WITH NEW SQUARE D PANEL. EXISTING SUPPLY FEEDER AND EXISTING LOAD SIDE CIRCUITRY AND CONDUITS TO BE REUSED. PROTECT EXISTING WIRING AND CONDUITS DURING PANEL REMOVAL. (N) PANEL SHALL MATCH EXISTING PANEL CHARACTERISTICS. RECONNECT TO EXISTING SUPPLY FEEDER. RECONNECT ALL EXISTING LOAD CIRCUITS USING EXISTING CIRCUITRY. SEE 4/E4.1.
- ~~3 PROVIDE NEW RECEPTACLE. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA. EXTEND EXISTING RACEWAYS AND CONDUITS AS REQUIRED. MATCH BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ALL REQUIREMENTS.~~
- 4 DISCONNECT (E) FAN.
- 5 CONNECT (N) FAN INTO (E) LIGHTING CIRCUIT VIA TIME DELAY SWITCH. SEE LIGHTING PLAN, AND MECHANICAL PLANS.
- 6 CONNECT TO RECEPTACLE CIRCUIT IN CLASSROOM B117.

AFTER INSTALLATION OF NEW DEVICES, AND REINSTALLATION OF EXISTING DEVICES CONTRACTOR SHALL TEST AND INSPECT COMPLETE FIRE ALARM SYSTEM IN ACCORDANCE WITH NFPA 72, CHAPTER 14.




E2.2.B	N.T.S
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Notification Appliances


L-Series, Indoor Strobes and Horn Strobes

Indoor Selectable-Output Horns, Strobes and Horn Strobes for Wall Applications



Wall Horn, Horn Strobe

PROTECTION OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING STANDARDS LISTING PROGRAM



LISTING SERVICE

LISTING No. 7125-100510004
CATEGORY: 7125 - FIRE ALARM DEVICES FOR THE HEARING IMPAIRED
LISTED: System Sensor, Unincorporated Div. of Honeywell Int'l, 3820 Ohio Ave., St. Charles, IL 60174
 Contact: Lisa Jones (212) 484-4105 Fax (212) 484-7309
 Email: lisa.jones@honeywell.com
DESIGN: SRL, SWL, BGR, BOWL, BRL-P, SWL-P, BRL-SP, SWL-CLR-ALERT and SWL-ALERT
 Wall Strobes:
 SRL, BGR, BOWL and SWL-CLR-ALERT Ceiling Strobes.

General:

The Series audible visual notification products offer the most versatile and easy-to-use of the horns, strobes, and horn strobes. In addition to the standard, the product includes lower current devices and a modern aesthetic design which reduce installation times and maintain costs.

The following devices offer a variety of design options, so that the L-Series can be used for any application requirement.

- White and red plastic housings
- Standard and custom bracket designs
- PLW, PIR, and UL924-3 product lines

Similar to the entire L-Series product line, the wall mount horns, strobes, and horn strobes include a variety of features that increase their operation versatility while simplifying the installation. All devices offer a plug-in design that means there is minimal intrusion into the backbox. These features make installations both fast and foolproof while eliminating costly and time-consuming ground faults.

To further simplify the installation and protect devices from connection damage, the L-Series uses a mounting plate for all standard and compact models that include an integral mounting spring. This feature allows installers to test wiring continuity before the device is installed.

Installers can also easily adapt devices to suit a wide range of application requirements using the following features:

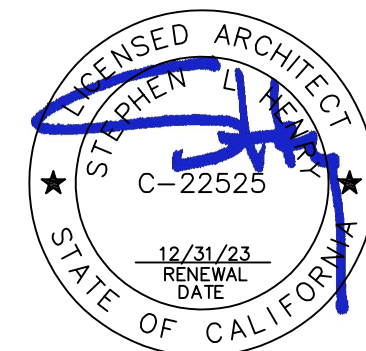
- Field-replaceable corded wirings
- Automatic selection of 12- or 24-volt operation
- Rotary switch for horn tones with two volume selections

Wall Bell Parts:
 B20W, B20W-AL, B20W-AG, B20W-IG, B20W-P, B20W-SP, B20W-TP, B20W-TPG, B20W-TR, B20W-TR-AL, B20W-TR-AG, B20W-TR-IG, B20W-TR-P, B20W-TR-SP, B20W-TR-TP, B20W-TR-TPG, B20W-TR-TR, B20W-TR-TR-AL, B20W-TR-TR-AG, B20W-TR-TR-IG, B20W-TR-TR-P, B20W-TR-TR-SP, B20W-TR-TR-TP, B20W-TR-TR-TPG, B20W-TR-TR-TR, B20W-TR-TR-TR-AL, B20W-TR-TR-TR-AG, B20W-TR-TR-TR-IG, B20W-TR-TR-TR-P, B20W-TR-TR-TR-SP, B20W-TR-TR-TR-TP, B20W-TR-TR-TR-TPG, B20W-TR-TR-TR-TR, B20W-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AL, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-AG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-IG, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-P, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-SP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TP, B20W-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TR-TPG, B20W-TR-TR-TR-TR



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Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

DEMOLITION AND
REMODEL PLANS -
ELECTRICAL - BUILDING B

CONSULTANT

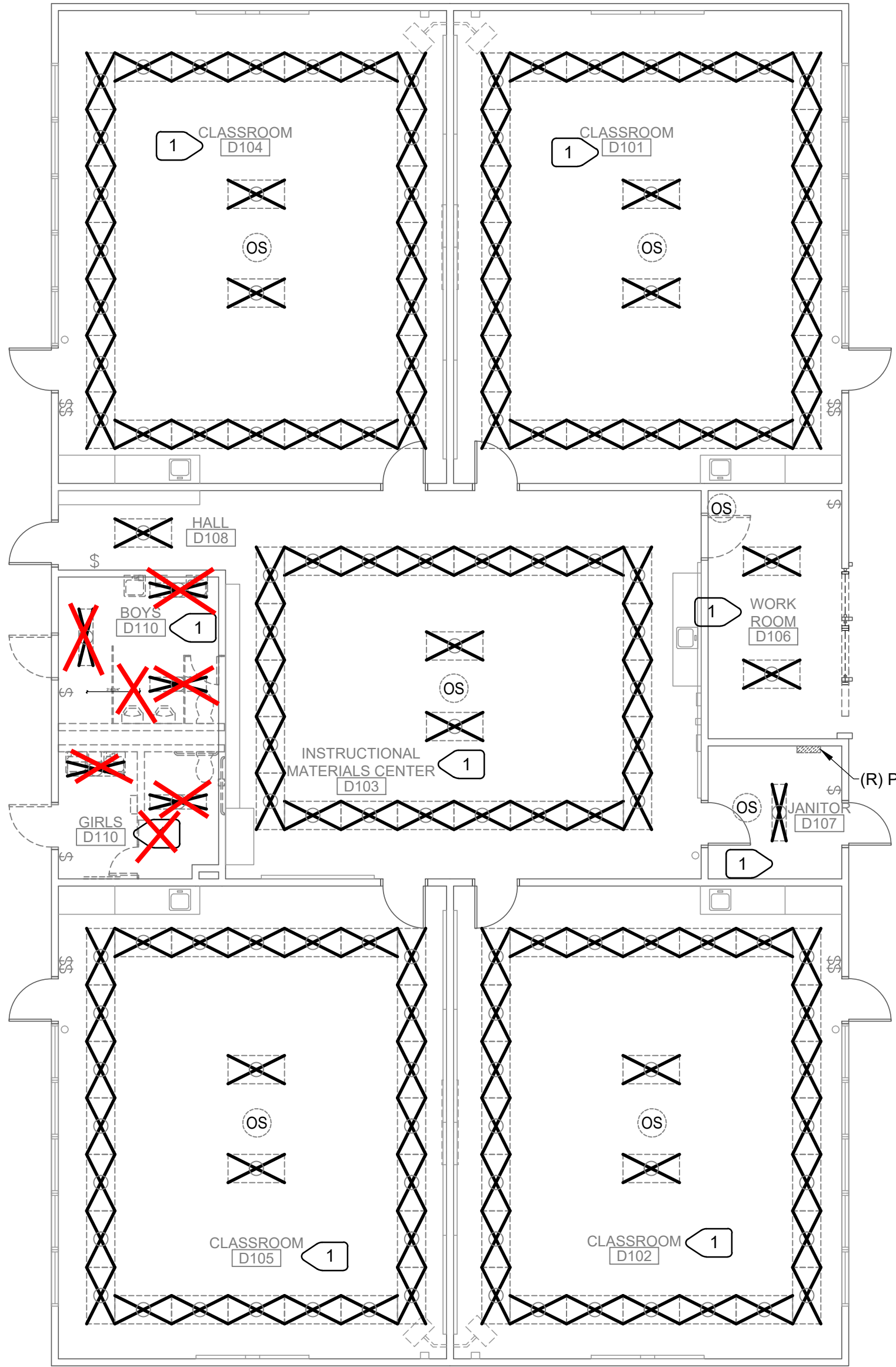


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UPDATED 12/21/2022		
SHEET NO.		

E2.2.B



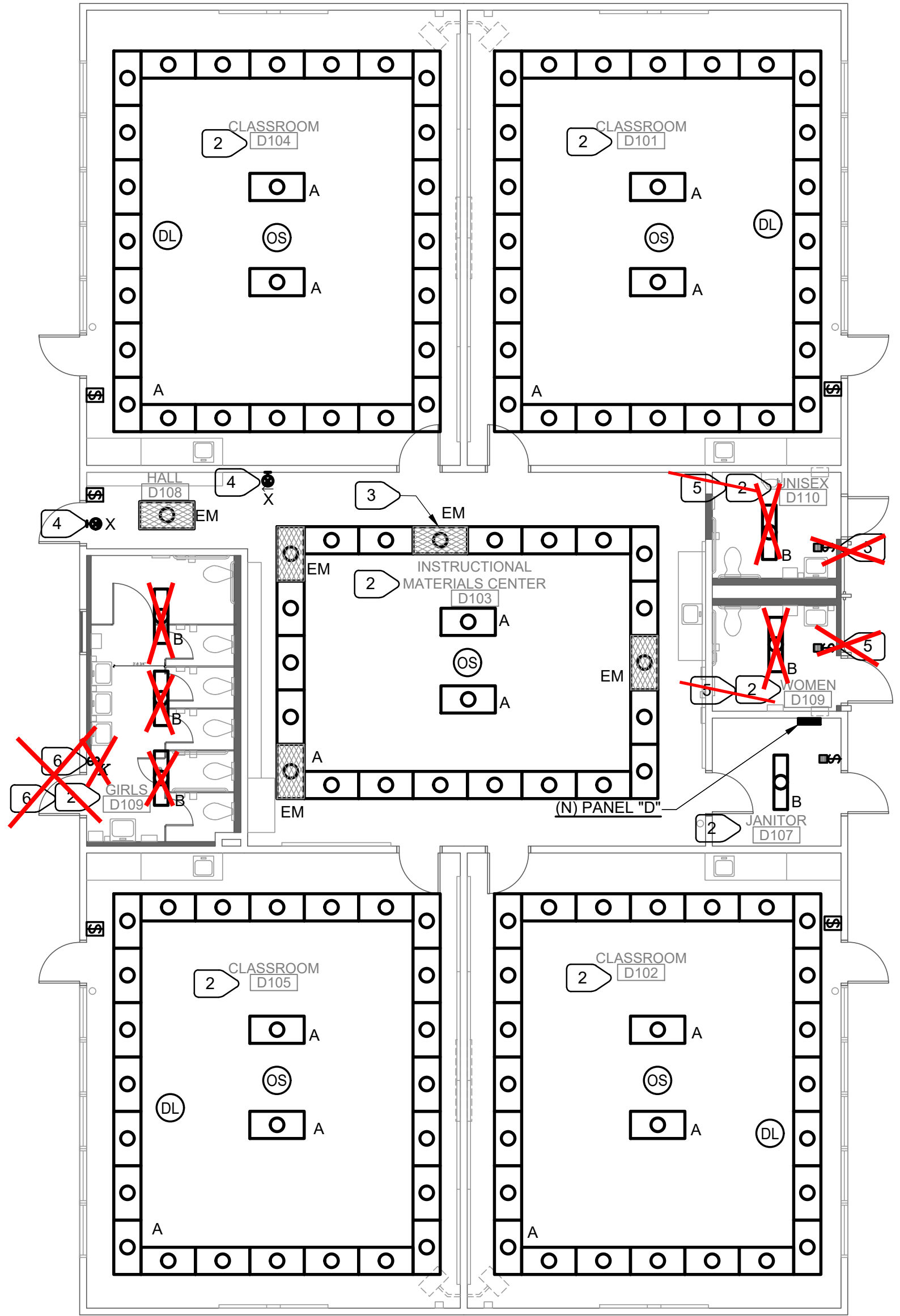


1

E2.1.D

DEMOLITION PLAN - LIGHTING - BUILDING D

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



2

E2.1.D

REMODEL PLAN - LIGHTING - BUILDING D

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

- NUMBERED NOTES
- 1

DISCONNECT AND REMOVE ALL FIXTURES IN THIS ROOM. PROTECT (E) LIGHTING CIRCUIT FOR REUSE. DISCONNECT AND REMOVE SWITCH(ES). REMOVE WIRING BETWEEN LIGHT FIXTURES AND SWITCHES. DISCONNECT AND REMOVE OCCUPANCY SENSOR AND ASSOCIATED POWER PACK AND CONTROL WIRING.
- 2

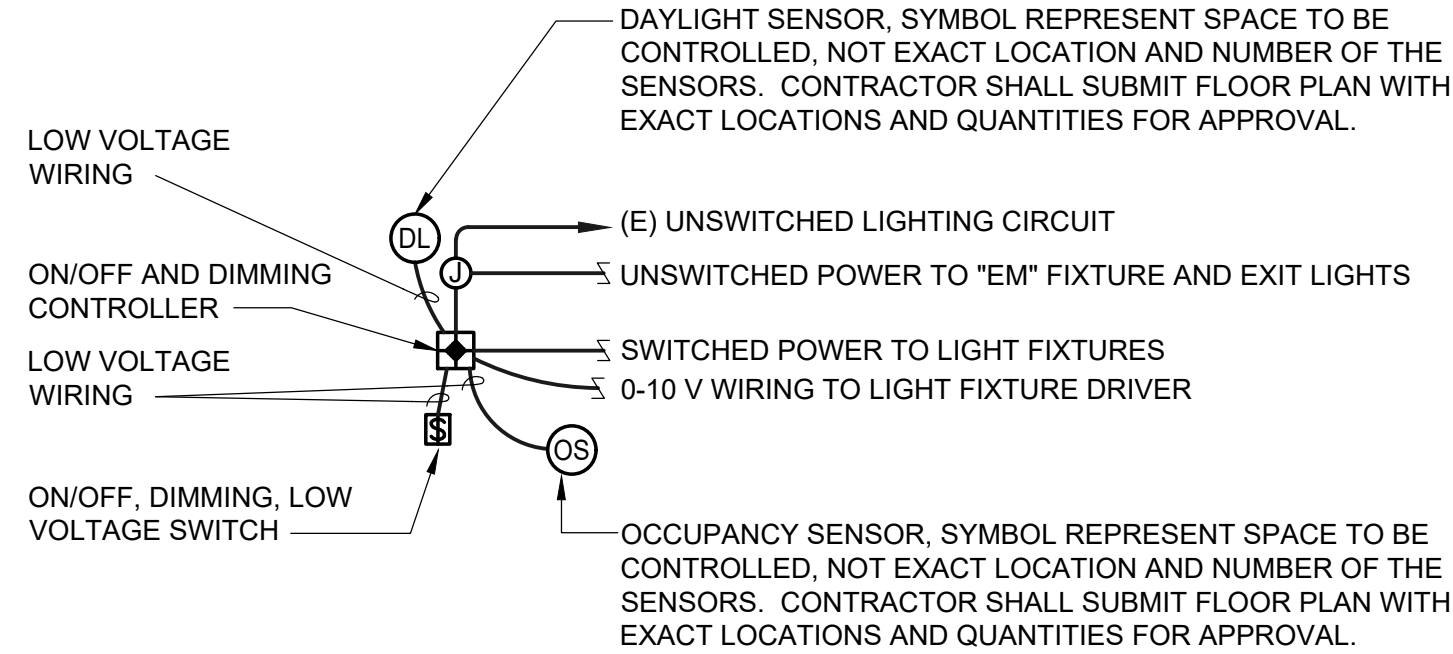
PROVIDE (N) LIGHT FIXTURES. CONNECT INTO (E) LIGHTING CIRCUIT. PROVIDE (N) OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND DIMMER SWITCH. REFER TO DIAGRAM FOR CONNECTION. REUSE (E) BACKBOXES WHERE POSSIBLE.
- 3

PROVIDE UNSWITCHED "HOT" TO BATTERY OPERATED EMERGENCY DRIVER. TYPICAL FOR "EM" LIGHT FIXTURES.
- 4

PROVIDE UNSWITCHED "HOT" TO EXIT SIGN.
- 5

CONNECT FAN INTO LIGHTING CIRCUIT IN THIS SPACE. PROVIDE SWITCH WITH TIME DELAY OFF FOR FAN - ADJUSTABLE FROM 0-60MIN.
- 6

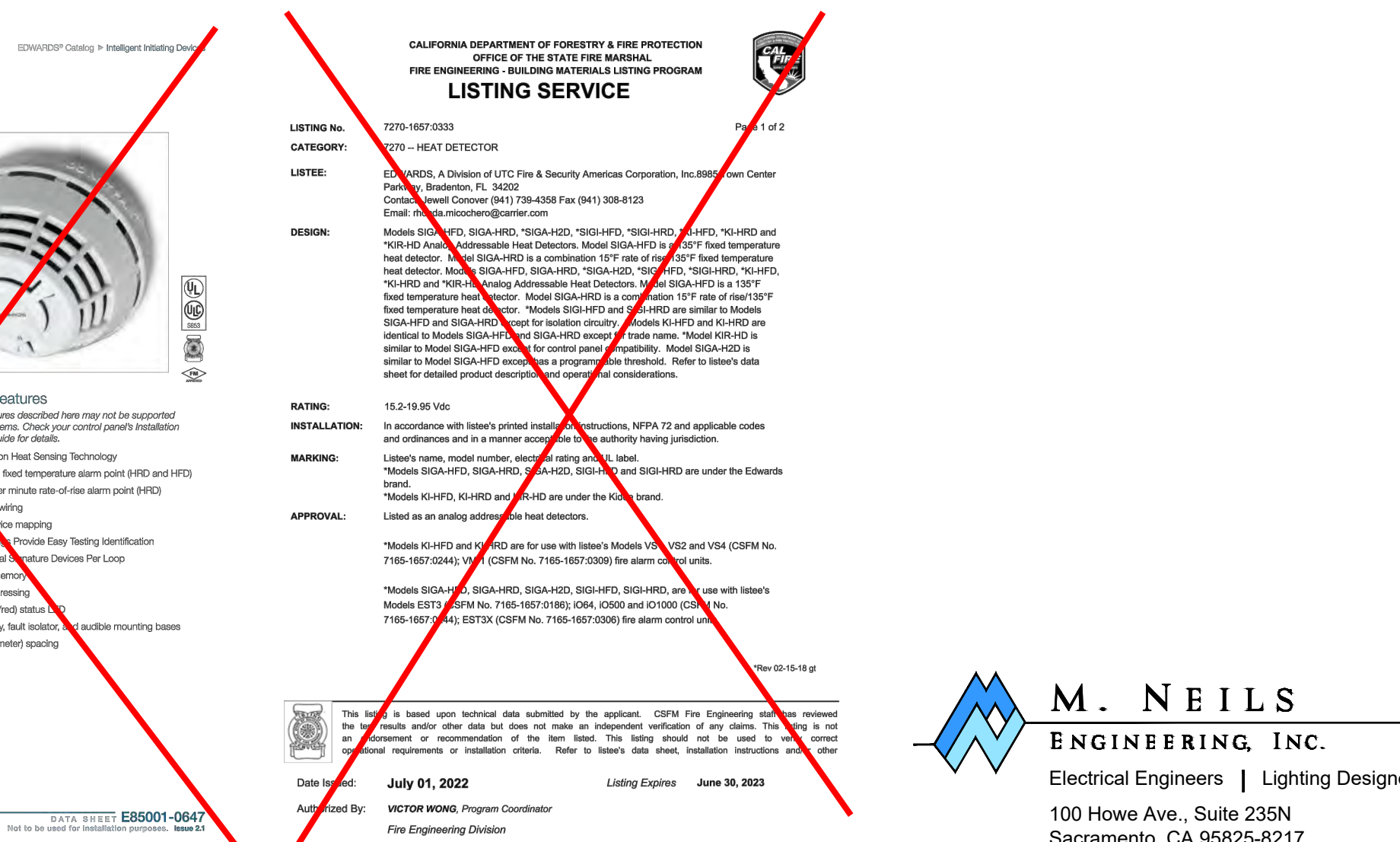
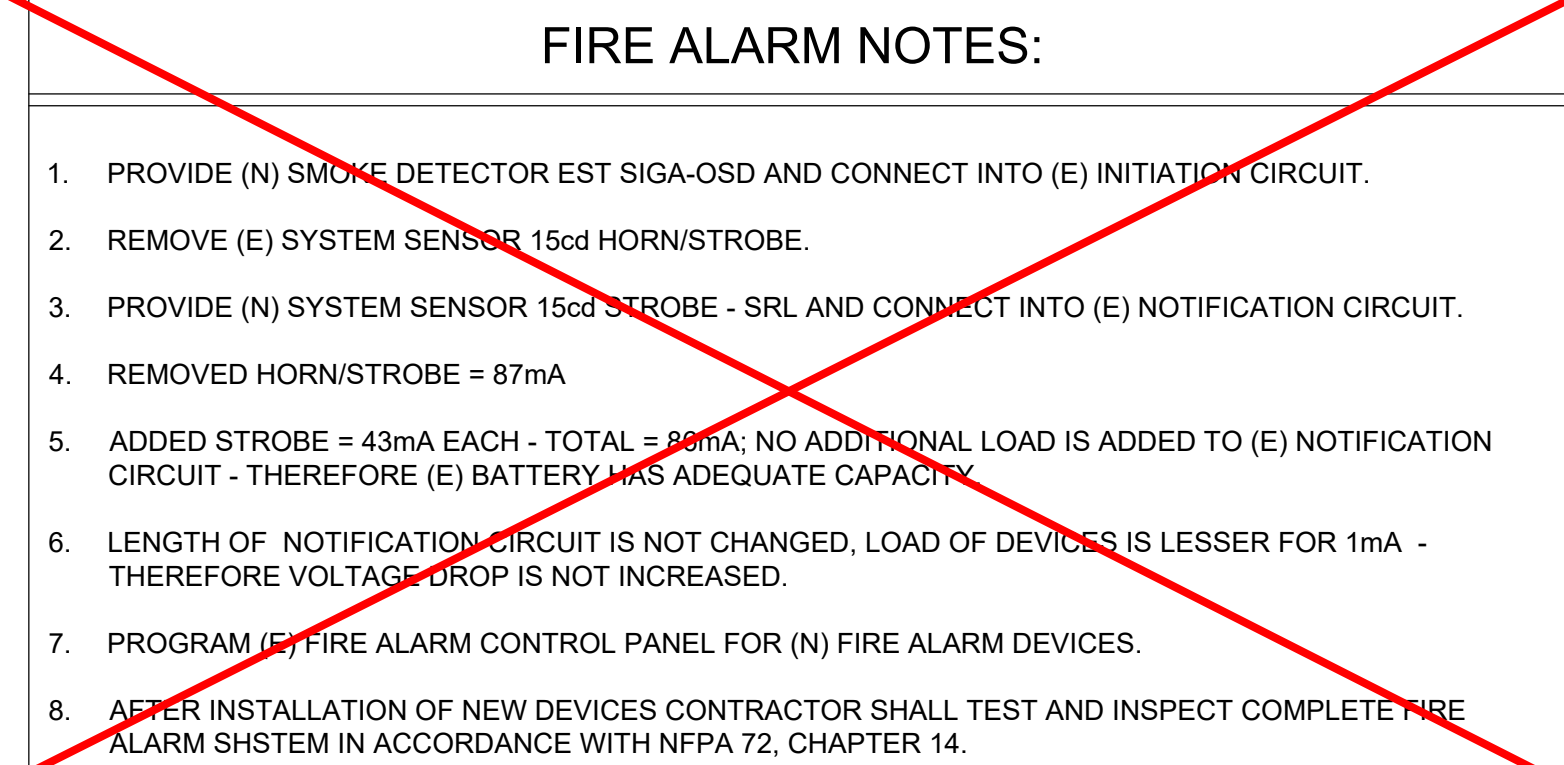
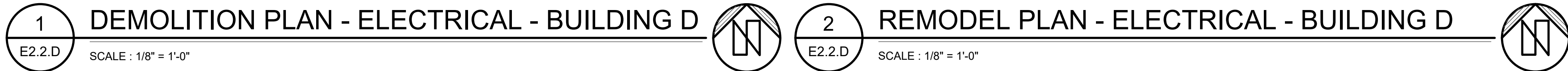
CONNECT FAN INTO LIGHTING CIRCUIT IN THIS SPACE. REMOVE (E) FAN/LIGHT CONTROLS AND PROVIDE SWITCH WITH TIME DELAY OFF FOR FAN - ADJUSTABLE FROM 0-60MIN.


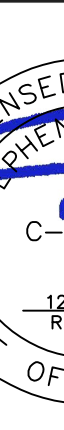



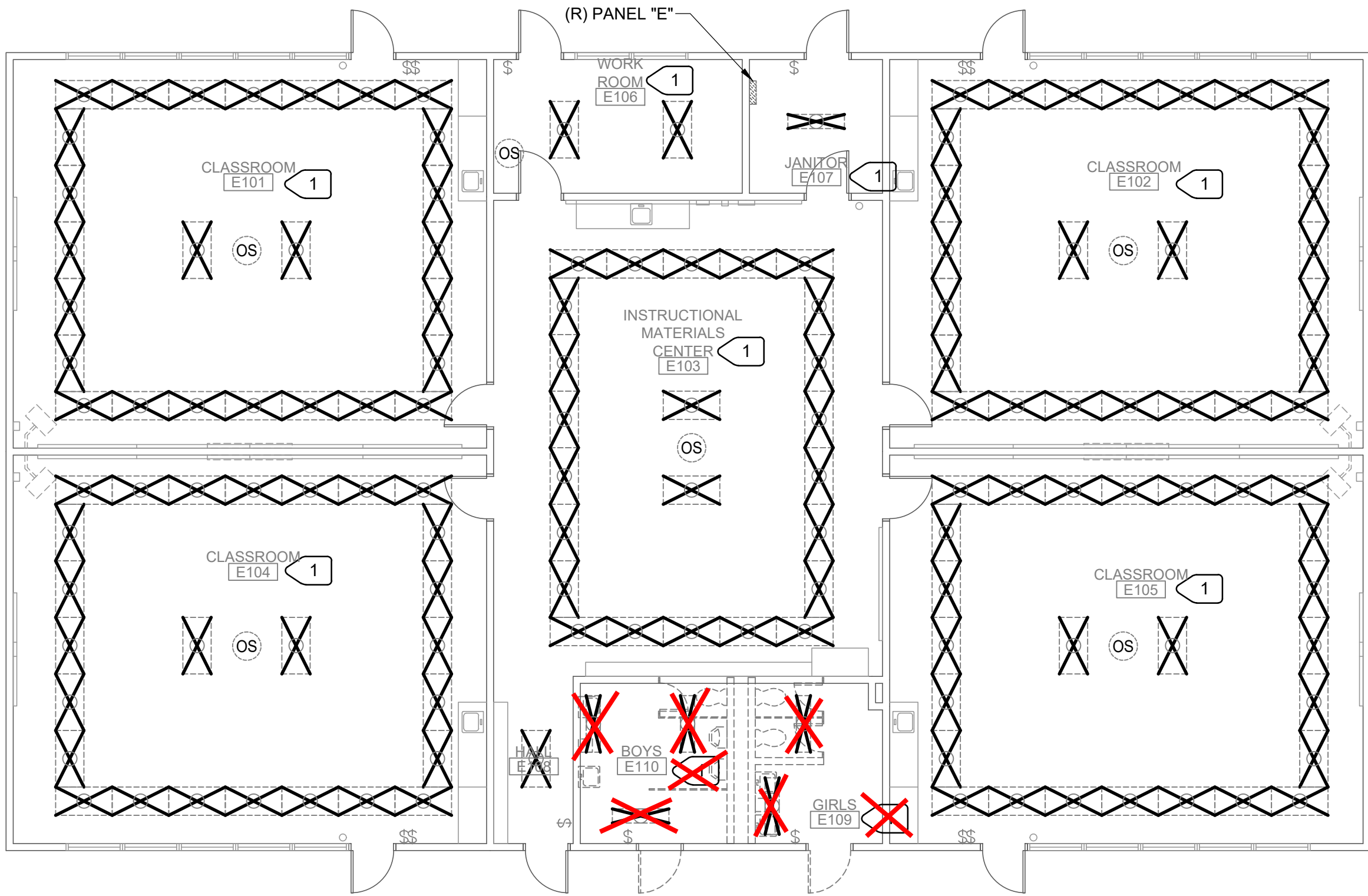
LIGHTING CONTROL DIAGRAM

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SCALE		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

UNAUTHORIZED CHANGES & USES: M. Neils Engineering, Inc. preparing these plans will not be responsible for, or liable for unauthorized changes to or uses to these plans.

[illegible]

<div style="border: 1px solid black; padding: 5px; text-align: center;"> IDENTIFICATION STAMP DIV. OF THE STATE ARCHITECT APP: 02-120566 INC: 1 REVIEWED FOR SS <input type="checkbox"/> FLS <input checked="" type="checkbox"/> ACS <input checked="" type="checkbox"/> DATE: 1/17/2023 </div>		
730 Howe Avenue, Suite 450 Sacramento, CA 95825 Phone: 916.921.2112 Fax: 916.921.2212		
 <div style="display: inline-block; vertical-align: middle; text-align: left;"> HENRY+ ASSOCIATES ARCHITECTS </div>		
		
<div style="display: flex; justify-content: space-between;"> <div style="width: 30%;"> MODERNIZATION VINEWOOD ELEMENTARY SCHOOL (INCREMENT 1) </div> <div style="width: 40%; text-align: center;"> DEMOLITION AND REMODEL PLANS - ELECTRICAL - BUILDING D </div> <div style="width: 30%;"></div> </div>		
CONSULTANT  12/20/2022		
PROJECT NO. 21-32-053	REVISIONS	BY
DATE 5/26/2022		
DRAWN MNE		
CHECKED MNE		
SCALE		
CADFILE		
UPDATED 12/21/2022		
SHEET NO.		
E2.2.D		
OF 131 SHEETS		

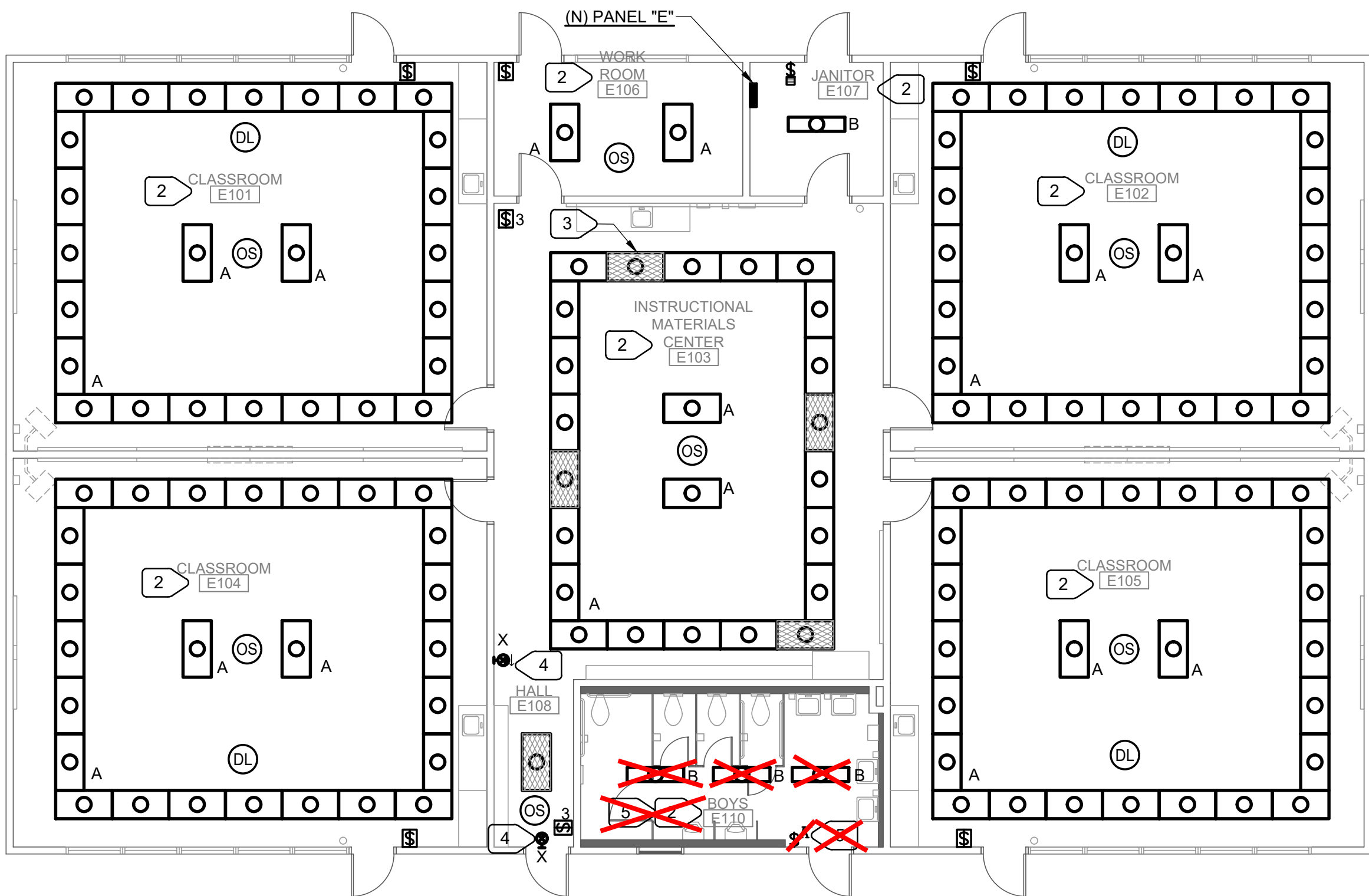


1

DEMOLITION PLAN - LIGHTING - BUILDING E

E2.1.E

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



2

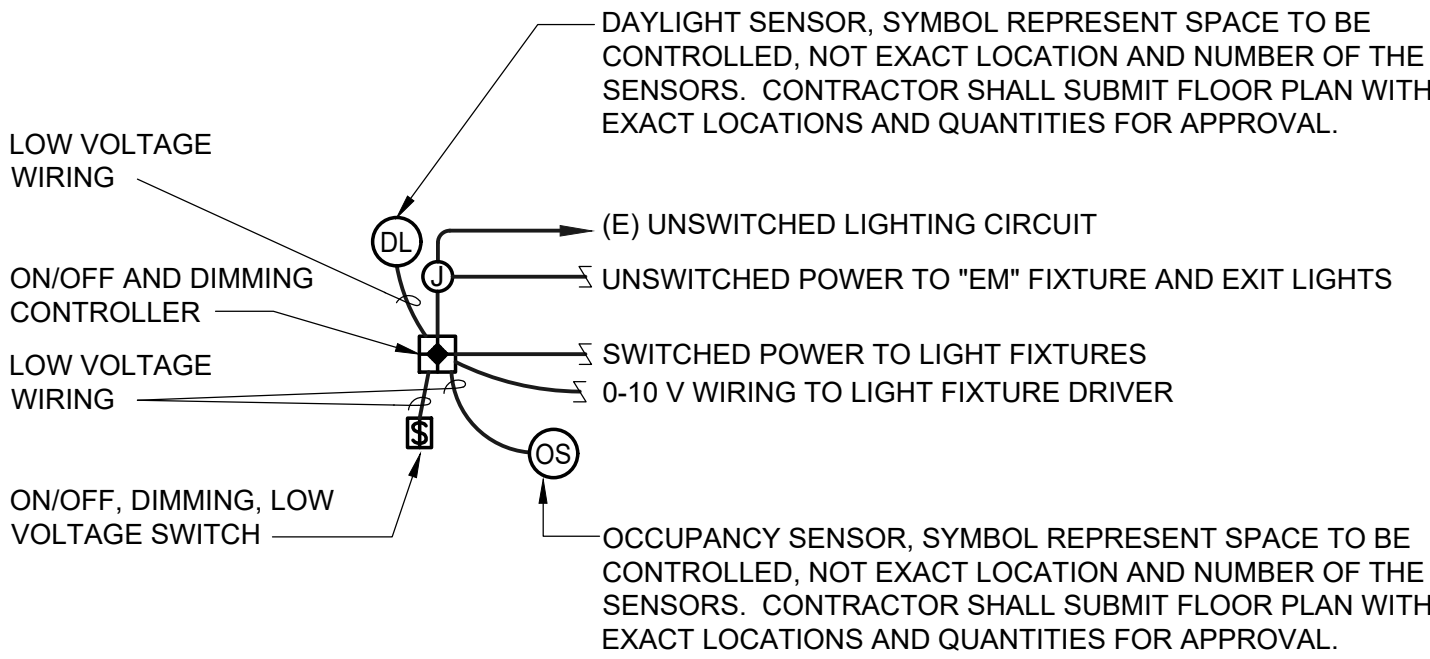
REMODEL PLAN - LIGHTING - BUILDING E

E2.1.E

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

NUMBERED NOTES

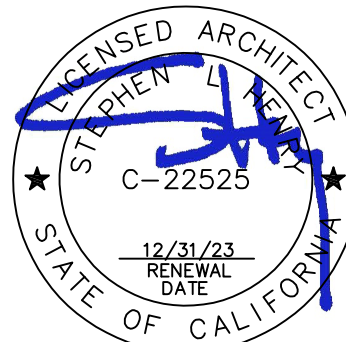
- 1
- DISCONNECT AND REMOVE ALL FIXTURES IN THIS ROOM. PROTECT (E) LIGHTING CIRCUIT FOR REUSE. DISCONNECT AND REMOVE SWITCH(ES). REMOVE WIRING BETWEEN LIGHT FIXTURES AND SWITCHES. DISCONNECT AND REMOVE OCCUPANCY SENSOR AND ASSOCIATED POWER PACK AND CONTROL WIRING.
- 2
- PROVIDE (N) LIGHT FIXTURES. CONNECT INTO (E) LIGHTING CIRCUIT. PROVIDE (N) OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND DIMMER SWITCH. REFER TO DIAGRAM FOR CONNECTION. REUSE (E) BACKBOXES WHERE POSSIBLE.
- 3
- PROVIDE UNSWITCHED "HOT" TO BATTERY OPERATED EMERGENCY DRIVER. TYPICAL FOR "EM" LIGHT FIXTURES.
- 4
- PROVIDE UNSWITCHED "HOT" TO EXIT SIGN.
- 5
- ~~CONNECT EAN INTO LIGHTING CIRCUIT IN THIS SPACE. REMOVE (E) FAN/LIGHT CONTROLS AND PROVIDE SWITCH WITH TIME DELAY OFF FOR FAN. ADJUSTABLE FROM 0-60MIN.~~



LIGHTING CONTROL DIAGRAM

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

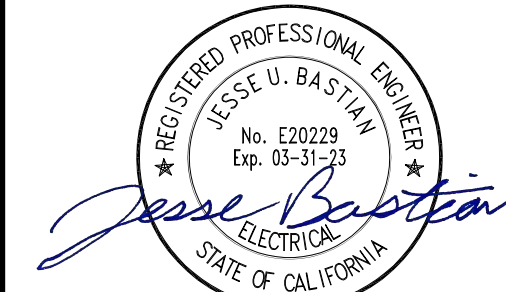
730 Howe Avenue, Suite 450
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Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

DEMOLITION AND
REMODEL PLANS -
LIGHTING - BUILDING E

CONSULTANT



12/20/2022

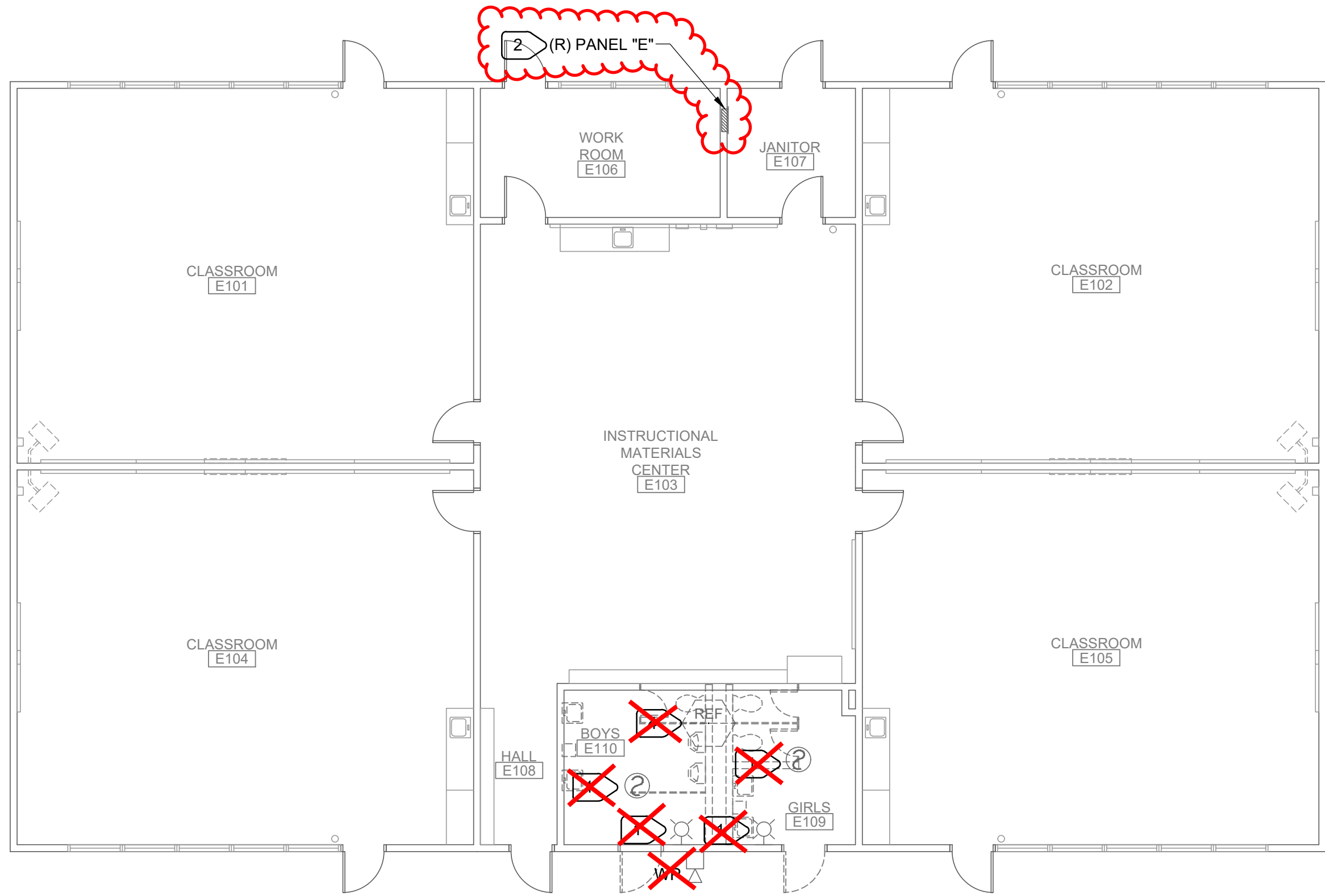
PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
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MNE		
CHECKED		
MNE		
SCALE		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

E2.1.E

OF 131 SHEETS



**M. NEILS
ENGINEERING, INC.**
Electrical Engineers | Lighting Designers
100 Howe Ave., Suite 235N
Sacramento, CA 95825-8217
www.mneilsengineering.com
Tel: (916) 923-4400
PROJECT #: 21249.21
PRJ MGR: Sinisha Glisic

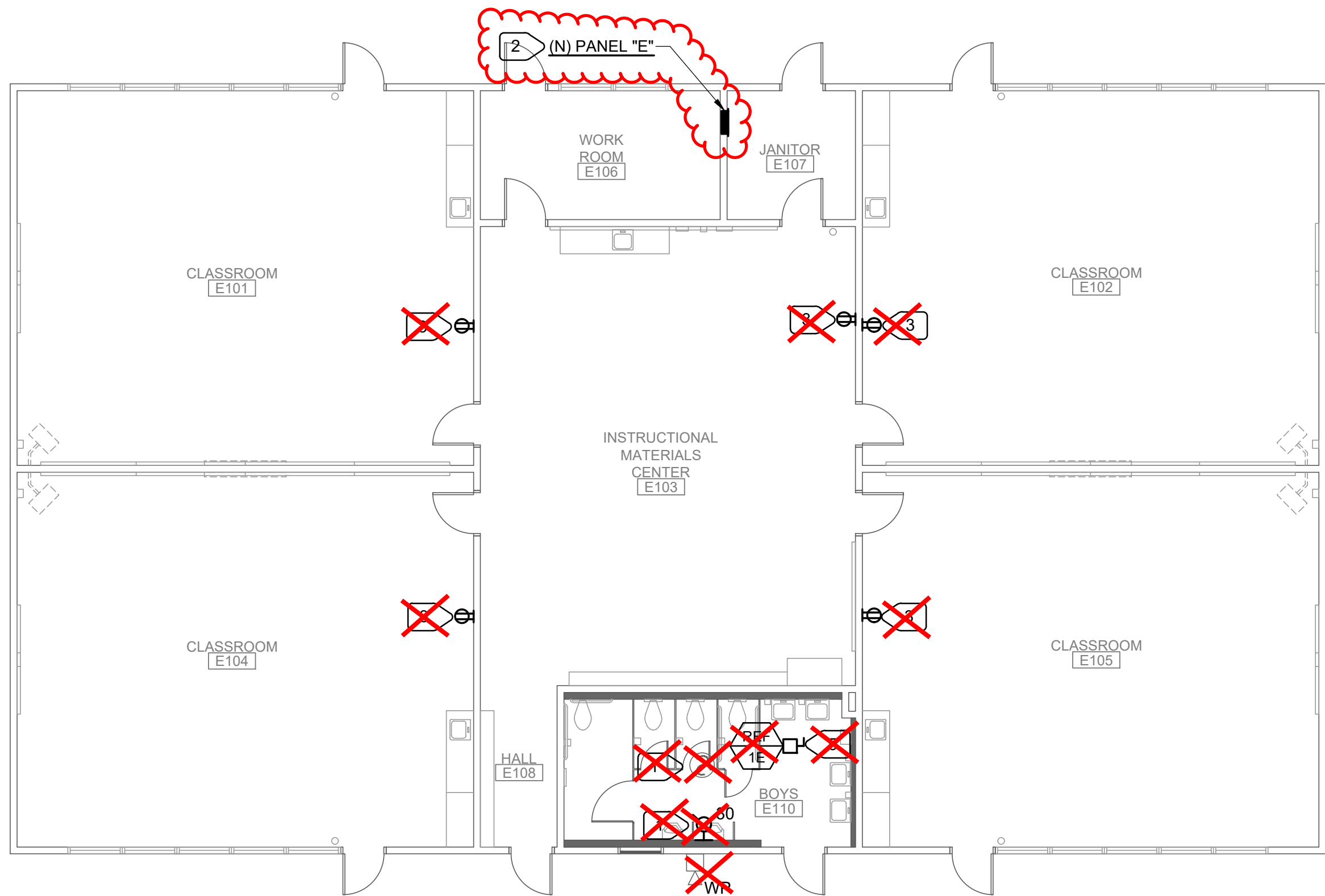


1

E2.2.E

DEMOLITION PLAN - ELECTRICAL - BUILDING E

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



2

E2.2.E

REMODEL PLAN - ELECTRICAL - BUILDING E

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

NUMBERED NOTES

1

~~EXISTING FIRE ALARM DEVICE. REMOVE AND REINSTALL PER FIRE ALARM RISER DIAGRAM. MAINTAIN ALL CONNECTIONS AND OPERABILITY. EXTEND EXISTING CIRCUITRY AS REQUIRED.~~

2

EXISTING WESTINGHOUSE PANEL TO BE REMOVED AND REPLACED WITH NEW SQUARE D PANEL. EXISTING SUPPLY FEEDER AND EXISTING LOAD SIDE CIRCUITRY AND CONDUITS TO BE REUSED. PROTECT EXISTING WIRING AND CONDUITS DURING PANEL REMOVAL. (N) PANEL SHALL MATCH EXISTING PANEL CHARACTERISTICS. RECONNECT TO EXISTING SUPPLY FEEDER. RECONNECT ALL EXISTING LOAD CIRCUITS USING EXISTING CIRCUITRY. SEE 4/E4.1.

3

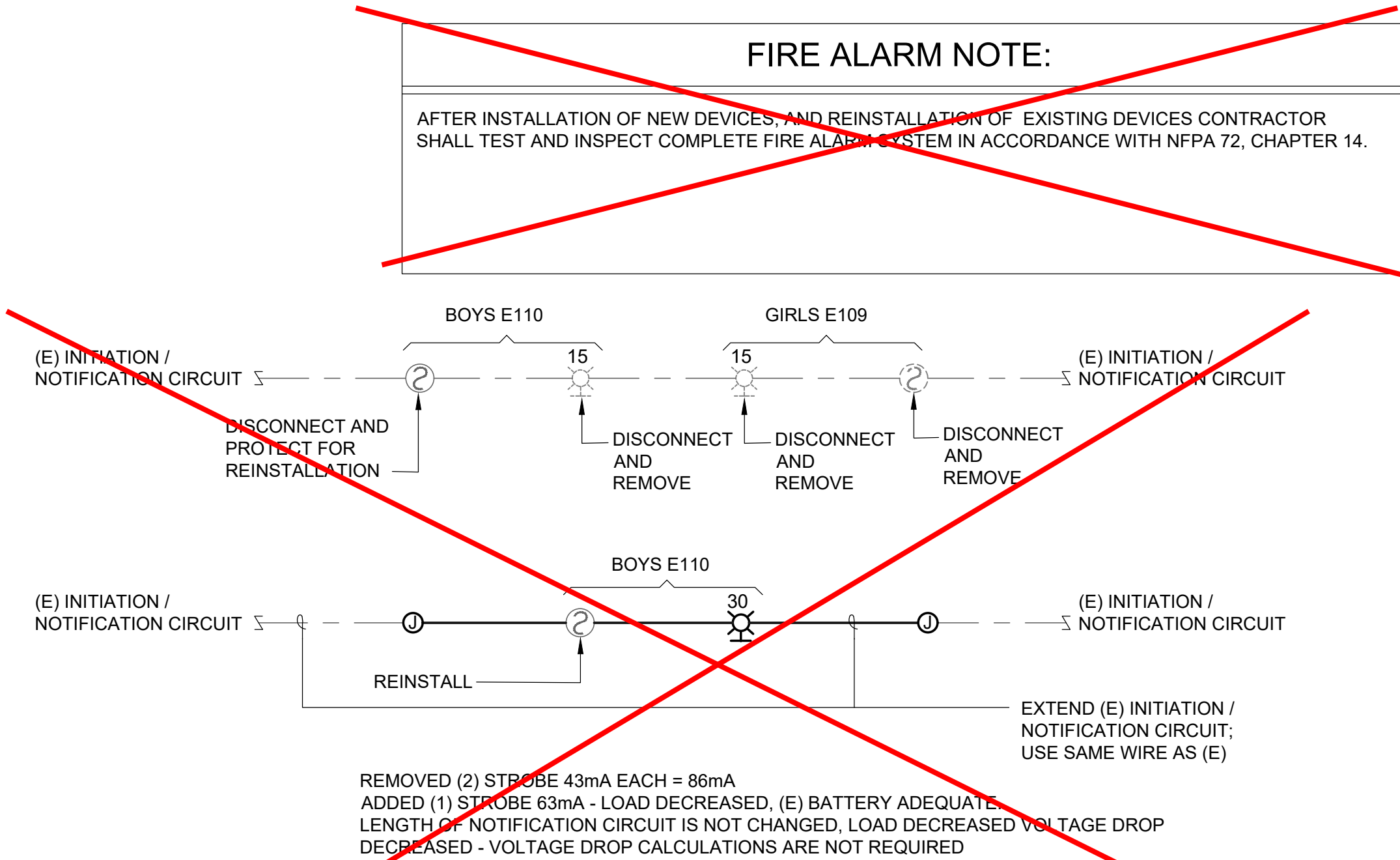
~~PROVIDE NEW RECEPTACLE. CONNECT TO EXISTING RECEPTACLE CIRCUIT IN AREA. EXTEND EXISTING RACEWAYS AND CONDUITS AS REQUIRED. MATCH BUILDING STANDARD FOR SURFACE MOUNTED RACEWAYS. FIELD VERIFY ALL REQUIREMENTS.~~

4

~~DISCONNECT (E) FAN.~~

5

~~CONNECT (N) FAN INTO (E) LIGHTING CIRCUIT VIA TIME DELAY SWITCH. SEE LIGHTING PLAN AND MECHANICAL PLANS.~~



3

E2.2.E

FIRE ALARM RISER DIAGRAM

N.T.S.

CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION
OFFICE OF THE STATE FIRE MARSHAL
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM
LISTING SERVICE

LISTING No. 7125-1053-0004

CATEGORY: 7125 - FIRE ALARM DEVICES FOR THE HEARING IMPAIRED

LISTED: 80714

DESIGN: System Sensor Indoor 2-wire M Series
SRL, SWL, SGR, SGRV, SGRV-P, SGRV-SP, SGRV-AL, SGRV-AL-ALERT and SGRV-AL-ALERT-ALERT

Wall Strobe

Color Lens: LENS-A2, LENS-B2, LENS-G2, LENS-P2, LENS-AC2, LENS-BC2, LENS-GC2 and LENS-RC2

WallTren Range: TR2 and TR2W

CallSign Range: TR2C and TR2CW

Wall Surface Mounted Back Boxes: SBR1, SBR2, SBR3, SBR4, SBR5, SBR6, SBR7, SBR8, SBR9, SBR10, SBR11, SBR12, SBR13, SBR14, SBR15, SBR16, SBR17, SBR18, SBR19, SBR20, SBR21, SBR22, SBR23, SBR24, SBR25, SBR26, SBR27, SBR28, SBR29, SBR30, SBR31, SBR32, SBR33, SBR34, SBR35, SBR36, SBR37, SBR38, SBR39, SBR40, SBR41, SBR42, SBR43, SBR44, SBR45, SBR46, SBR47, SBR48, SBR49, SBR50, SBR51, SBR52, SBR53, SBR54, SBR55, SBR56, SBR57, SBR58, SBR59, SBR60, SBR61, SBR62, SBR63, SBR64, SBR65, SBR66, SBR67, SBR68, SBR69, SBR70, SBR71, SBR72, SBR73, SBR74, SBR75, SBR76, SBR77, SBR78, SBR79, SBR80, SBR81, SBR82, SBR83, SBR84, SBR85, SBR86, SBR87, SBR88, SBR89, SBR90, SBR91, SBR92, SBR93, SBR94, SBR95, SBR96, SBR97, SBR98, SBR99, SBR100

Call Sign Range: TR2C and TR2CW

This listing is based upon technical data submitted by the applicant. MNE Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should only be used to verify correct operation, maintenance or installation criteria. Refer to manufacturer's data sheet, installation instructions and/or other relevant information.

Date Issued: July 01, 2022

Authorized By: VICTOR WONG, Program Coordinator

Listing Expires: June 30, 2023

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ASSOCIATES
ARCHITECTS

MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

DEMOLITION AND
REMODEL PLANS -
ELECTRICAL - BUILDING E

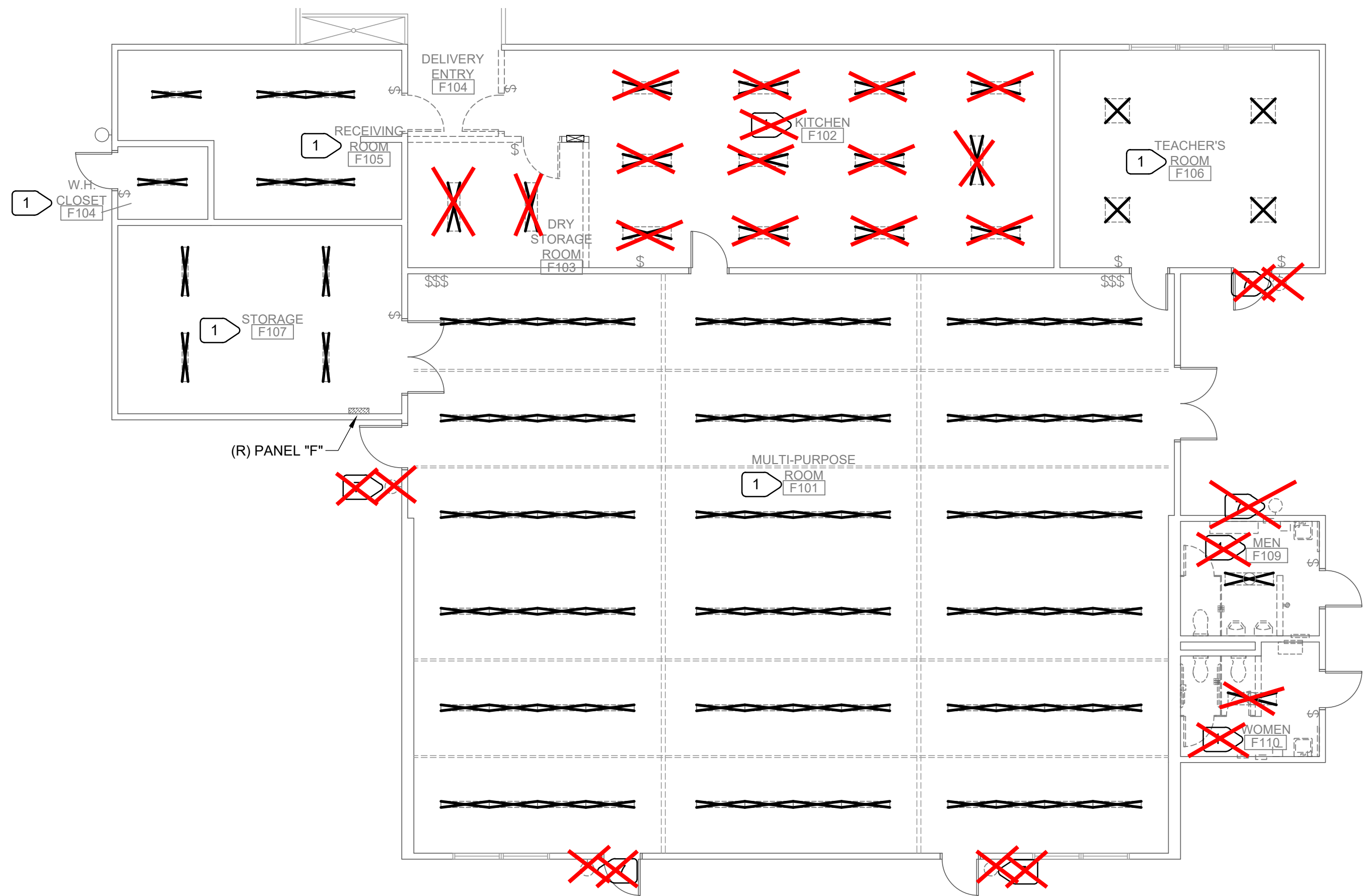
CONSULTANT

12/20/2022

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E2.2.E

OF 131 SHEETS

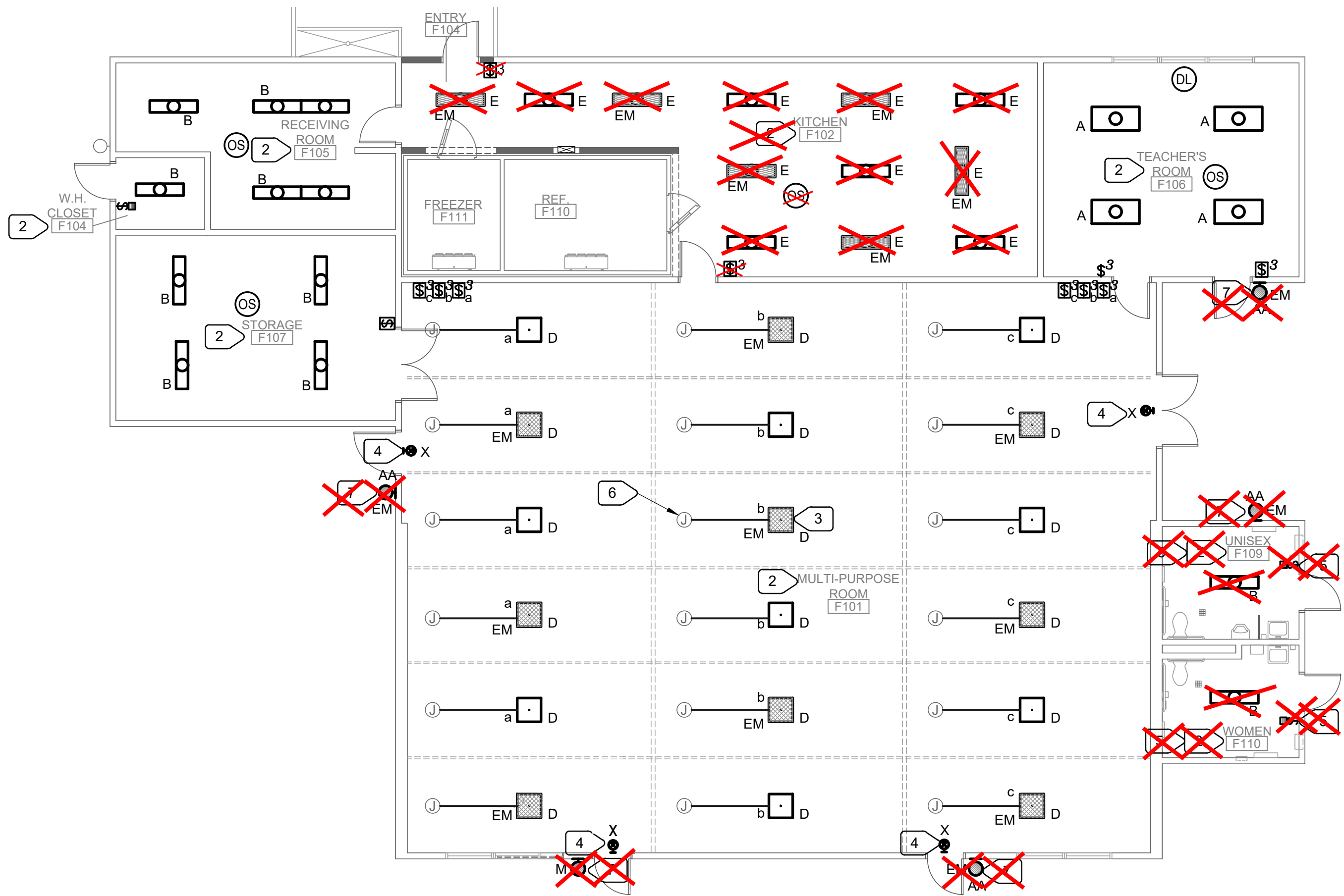


1

E2.1.F

DEMOLITION PLAN - LIGHTING - BUILDING F

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



2

E2.1.F

REMODEL PLAN - LIGHTING - BUILDING F

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

- NUMBERED NOTES
- 1

DISCONNECT AND REMOVE ALL FIXTURES IN THIS ROOM. PROTECT (E) LIGHTING CIRCUIT FOR REUSE. DISCONNECT AND REMOVE SWITCH(ES). REMOVE WIRING BETWEEN LIGHT FIXTURES AND SWITCHES. DISCONNECT AND REMOVE OCCUPANCY SENSOR AND ASSOCIATED POWER PACK AND CONTROL WIRING.
- 2

PROVIDE (N) LIGHT FIXTURES. CONNECT INTO (E) LIGHTING CIRCUIT. PROVIDE (N) OCCUPANCY SENSOR, DAYLIGHT SENSOR, AND DIMMER SWITCH. REFER TO DIAGRAM FOR CONNECTION. REUSE (E) BACKBOXES WHERE POSSIBLE.
- 3

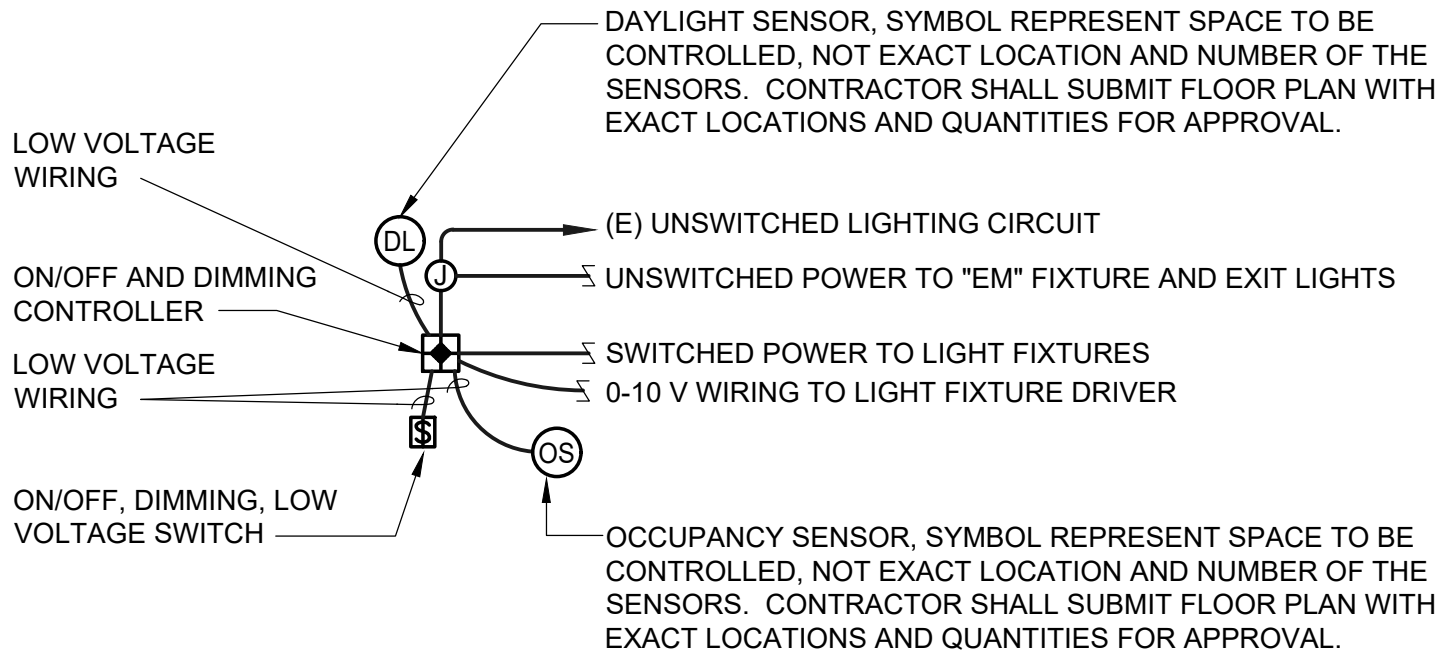
PROVIDE UNSWITCHED "HOT" TO BATTERY OPERATED EMERGENCY DRIVER. TYPICAL FOR "EM" LIGHT FIXTURES.
- 4

PROVIDE UNSWITCHED "HOT" TO EXIT SIGN.
- 5

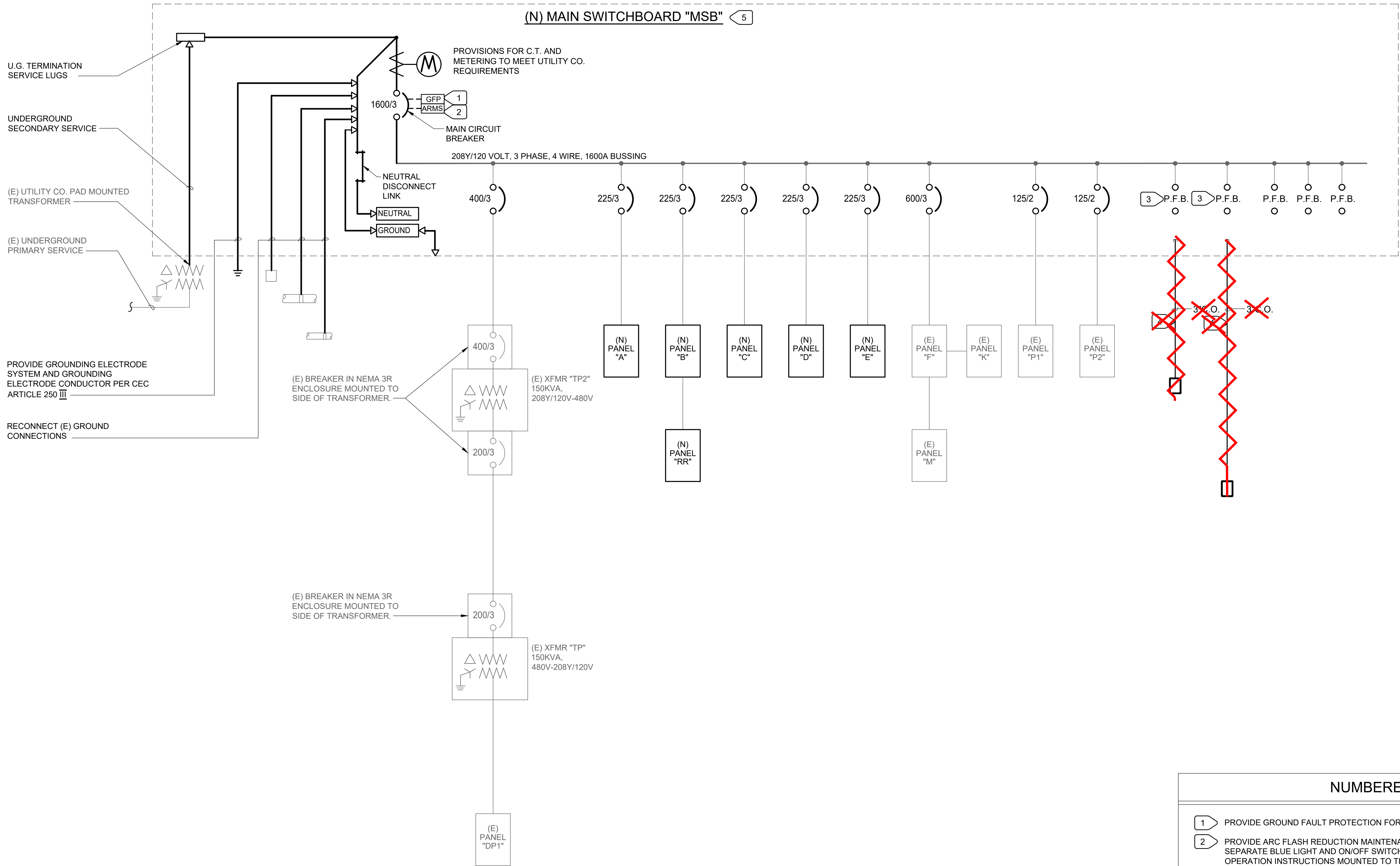
~~CONNECT FAN INTO LIGHTING CIRCUIT IN THIS SPACE. REMOVE (E) FAN/LIGHT CONTROLS AND PROVIDE SWITCH WITH TIME DELAY OFF FOR FAN - ADJUSTABLE FROM 0-60MIN.~~
- 6

APPROX. LOCATION OF (E) LIGHTING CIRCUIT. PROVIDE STEEL SURFACE RACEWAY, WIREMOLD V700 OR SIMILAR, TO EXTEND LIGHTING CIRCUIT TO LOCATION OF (N) FIXTURE. ELECTRICAL CONTRACTOR TO REMOVE (E) SUSPENDED FIXTURE SUPPORT ENTIRELY AND TO PATCH OPENING LEFT AFTER SUPPORT REMOVAL PER ARCHITECTURAL INSTRUCTIONS. TYPICAL FOR "D" TYPE OF FIXTURES IN MULTIPURPOSE ROOM.
- 7

~~REPLACE EXISTING MOUNTED LIGHT WITH INTERM LIGHT FIXTURE. PROVIDE ADDITIONAL UNSWITCHED "HOT" WIRE FOR BATTERY DRIVER.~~



LIGHTING CONTROL DIAGRAM



SEE 1/E4.2 FOR MAIN SWITCHBOARD INSTALLATION.

1 **ONE LINE POWER DIAGRAM**

E3.01 NO SCALE

- NUMBERED NOTES**
- 1 PROVIDE GROUND FAULT PROTECTION FOR MAIN CIRCUIT BREAKER PER CEC 230.95.
 - 2 PROVIDE ARC FLASH REDUCTION MAINTENANCE SWITCH (ARMS) PER CEC 240.87 WITH A SEPARATE BLUE LIGHT AND ON/OFF SWITCH ON THE SWITCHBOARD COVER. PROVIDE OPERATION INSTRUCTIONS MOUNTED TO THE FRONT OF THE SWITCHBOARD.
 - 3 PROVISION FOR FUTURE CIRCUIT BREAKER FOR FUTURE E.V. CHARGER. PROVIDE SPACE FOR MINIMUM 100AMP, 3 POLE CIRCUIT BREAKER.
 - ~~4 EMPTY CONDUIT WITH PULLROPE FOR FUTURE E.V. CHARGER. SEE SITE PLAN.~~
 - 5 CONTRACTOR SHALL COORDINATE WORK WITH LODI ELECTRIC PRIOR TO ORDERING SWITCHBOARD.

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SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+ ASSOCIATES ARCHITECTS

REGISTERED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL DATE
STATE OF CALIFORNIA

MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

ONE-LINE
POWER DIAGRAMS

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER
JESSE U. BASTIAN
No. E20229
Exp. 03-31-23
ELECTRICAL
STATE OF CALIFORNIA

12/20/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
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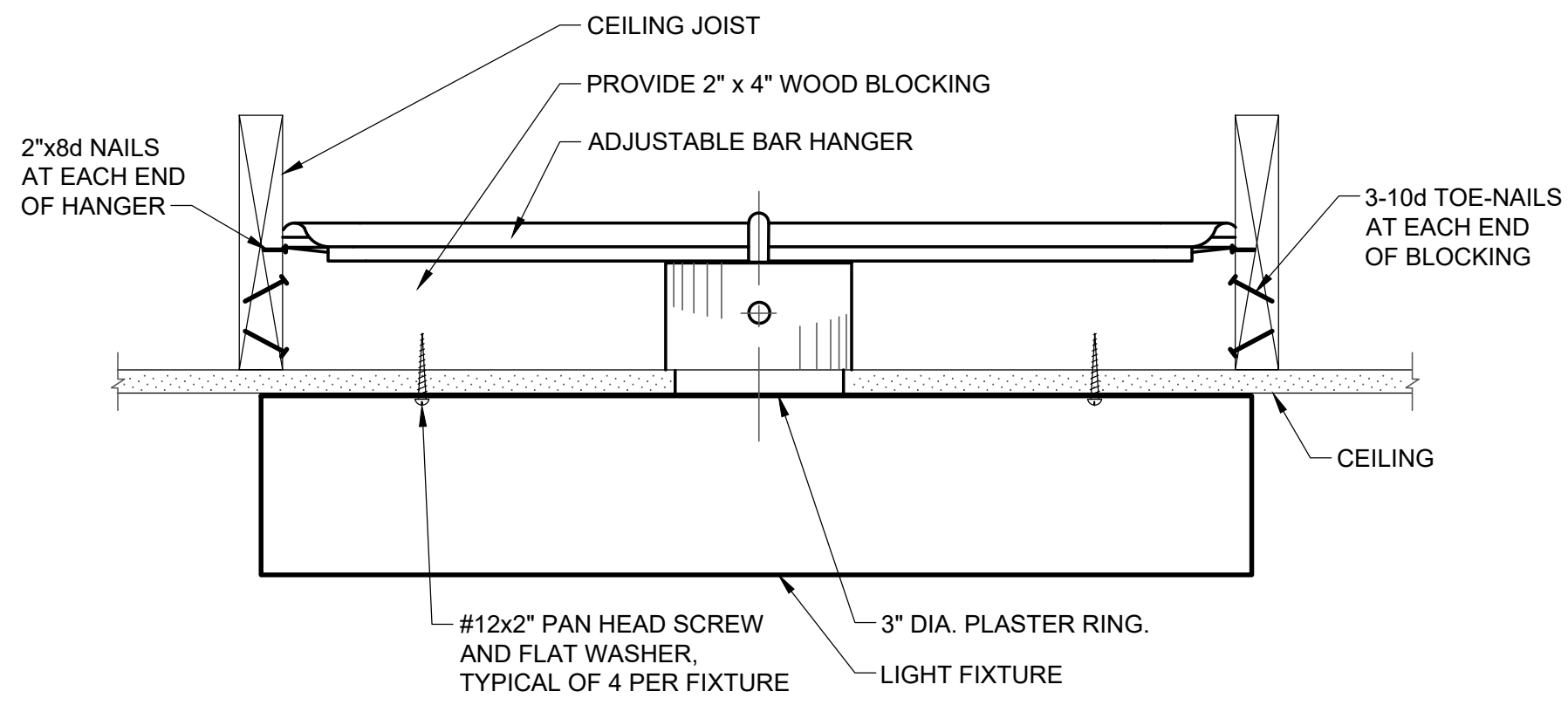
E3.1
OF 131 SHEETS

NEW PANEL "A" SCHEDULE												
POWER SOURCE: MAIN SWITCHBOARD			LOCATION: SEE PLANS									
SYSTEM: NORMAL BRANCH												
MOUNTING: FLUSH		PANEL TYPE:		REMARKS: 10k AIC MIN. SYMM.								
BUS: 225 AMPS	MAIN BREAKER: 225 AMPS	VOLTAGE: 208Y/120 VOLT, 3 PHASE 4 WIRES						SUB FD: AMPS		TYPE: 1		
LOAD SERVED		kVA	CB	CKT	PHASE	CKT	CB	kVA	LOAD SERVED			
(E) RECEPT. WORK RM & RM 2			20/1	1	A	2A	20/1		(E) LIGHTS ROOM 2			
					A	2B	20/1		(E) LIGHTS ROOM 2			
(E) RECEPTACLE ROOMS 1 & 2			20/1	3	B	4	20/1		(E) SPARE			
(E) RECEPTACLE OFFICE			20/1	5		C 6	20/1		(E) SPARE			
(E) RECEPTACLE OFFICE			20/1	7	A	8	20/1		(E) LIGHTS ROOM 1			
(E) RCPT. WORK RM, SECURITY			20/1	9	B	10	20/1		(E) LIGHTS REC RM, OFFICE			
(E) RCPT. OFFICE, WORK RM, RR			20/1	11		C 12	20/1		(E) RECEPTACLE & FANS			
(E) RECEPT. PRINTER, OFFICE			20/1	13	A	14	20/1		(E) OFFICE FAN			
(E) WATER HEATER			20/1	15	B	16	20/1		(E) NIGHT LIGHTS			
(E) A/C UNIT SOUTH			20/1	17		C 18	20/1		(E) TIME SWITCH			
(E) COPY MACHINE			20/1	19	A	20	20/1		(E) DATA CABINET			
(E) SPARE			20/1	21	B	22	20/1		(E) LIGHTS & RR FAN, HEALTH RM			
(E) SPARE			20/1	23		C 24	20/2		(E) COPY MACHINE			
(E) RECEPT WORK RM & REC. RM.			20/1	25	A	26						
(E) RECEPT. RM 2 EAST WALL			30/2	27	B	28	20/1		(E) RECEPT. RM 2 SOUTH WALL			
				29		C 30	20/1					
				31	A	32	20/1		(E) AT&T			
(E) A/C UNIT NORTH			25/3	33	B	34	20/1		SPARE			
				35		C 36	PFB		SPACE			
				37	A	38						
(E) A/C UNIT MID			25/3	39	B	40	25/3		(E) A/C UNIT SOUTH			
				41		C 42						
NOTES:									CONNECTED LOAD			
[1] (E) CIRCUIT BREAKER w/ (N) LOAD									PHASE A= 0.0 kVA			
									PHASE B= 0.0 kVA			
									PHASE C= 0.0 kVA			
									TOTAL = 0.0 kVA			
									TOTAL = 0.0 AMPS			

EXISTING PANEL "DP1" SCHEDULE												
POWER SOURCE: XFMR "TP"						LOCATION:						
SYSTEM: NORMAL BRANCH												
MOUNTING: SURFACE		PANEL TYPE: NEMA 3R		REMARKS: 10k AIC MIN. SYMM.								
BUS: 400 AMPS		MAIN BREAKER: 400 AMPS		VOLTAGE: 208Y/120 VOLT, 3 PHASE 4 WIRES					SUB FD: AMPS		TYPE: 1	
LOAD SERVED				KVA	CB	CKT	PHASE	CKT	CB	KVA	LOAD SERVED	
(E) PORTABLE PANEL " * "					125/3	1	A	2	125/3		(E) SPARE	
						3	B	4				
(E) PORTABLE PANEL " * "					125/3	5		C 6	125/3		(E) SPARE	
						7	A	8				
(E) SPARE					125/3	9	B	10	125/3		(E) SPARE	
						11		C 12				
SPACE					PFB	13	A	14	PFB		SPACE	
SPACE					PFB	15	B	16	PFB		SPACE	
SPACE					PFB	17		C 18	PFB		SPACE	
SPACE					PFB	19	A	20	PFB		SPACE	
SPACE					PFB	21	B	22	PFB		SPACE	
SPACE					PFB	23		C 24	PFB		SPACE	
SPACE					PFB	25	A	26	PFB		SPACE	
SPACE					PFB	27	B	28	PFB		SPACE	
SPACE					PFB	29		C 30	PFB		SPACE	
NOTES:											CONNECTED LOAD	
[1] (E) CIRCUIT BREAKER w/ (N) LOAD											PHASE A= 0.0 KVA	
											PHASE B= 0.0 KVA	
											PHASE C= 0.0 KVA	
											TOTAL = 0.0 KVA	
											TOTAL = 0.0 AMPS	

NEW PANEL "RR" SCHEDULE													
POWER SOURCE: PANEL "B"						LOCATION: SEE PLAN							
SYSTEM: NORMAL BRANCH													
MOUNTING:		FLUSH		PANEL TYPE:		REMARKS: 10k AIC MIN. SYMM.							
BUS: 100 AMPS		MAIN BREAKER: 100 AMPS		VOLTAGE: 120/208 VOLT, 1 PHASE 3 WIRES				SUB FD: AMPS		TYPE: 1			
LOAD SERVED				KVA	CB	CKT		PHASE	CKT	CB	KVA	LOAD SERVED	
(E) RELAYS					15/1	1	A	2	20/1		(E) EXHAST FAN		
					30/1	3	B	4	20/2		(E) RADIANT HEATER		
(E) HEATER						5	A	6					
(E) RECEPTACLE POD A TV/VCR					20/1	7	B	8	30/2		(E) WATER HEATER		
SPARE					20/1	9	A	10					
SPARE					20/1	11	B	12	20/1		SPARE		
SPARE					20/1	13	A	14	20/1		SPARE		
SPARE					20/1	15	B	16	20/1		SPARE		
NOTES:										CONNECTED LOAD PHASE A= 0.0 KVA PHASE B= 0.0 KVA			
										TOTAL = 0.0 KVA			
										TOTAL = 0.0 AMPS			

NEW PANEL "B" SCHEDULE										
POWER SOURCE: MAIN SWITCHBOARD				LOCATION: SEE PLANS						
SYSTEM: NORMAL BRANCH										
MOUNTING: FLUSH		PANEL TYPE:		REMARKS: 10k AIC MIN. SYMM.						
BUS: 225 AMPS		MAIN BREAKER: 225 AMPS		VOLTAGE: 208Y/120 VOLT, 3 PHASE 4 WIRES				SUB FD: AMPS		TYPE: 1
LOAD SERVED		KVA	CB	CKT	PHASE	CKT	CB	KVA	LOAD SERVED	
(E) RECEPT. JANITORS, TCH., IMC		20/1		1	A	2	20/1		(E) SPARE	
(E) RECEPT. RM 3 COMPUTERS		20/1		3	B	4	20/1		(E) LIGHTS ROOM 3	
(E) RECEPT. RM 3 COMPUTERS		20/1		5		C 6	20/1		(E) SPARE	
(E) RECEPT. TCHRS RM, RMS 3-5		20/1		7	A	8	20/1		(E) LIGHTS ROOM 5	
(E) RECEPTACLE ROOMS 3-5		20/1		9	B	10	20/1		(E) LIGHTS ROOM 4	
(E) RECEPTACLE ROOMS 4-5		20/1		11		C 12	20/1		(E) SPARE	
(E) RECEPT. RRS, RMS 5 & 6, IMC		20/1		13	A	14	20/1		(E) LIGHTS ROOM 6	
(E) RECEPTACLE ROOMS 4 & 6		20/1		15	B	16	20/1		(E) LIGHTS ROOM 6	
(E) MECHANICAL PANEL		20/1		17		C 18	20/1		(E) LIGHTS A IMC	
(E) RCPT. ROOM 3, COMPUTERS		20/1		19	A	20	20/1		(E) SPARE	
(E) DATA CABINET		20/1		21	B	22	20/1		(E) LTS. JAN. RM, TCHR. HALL, RR, & FAN	
SPARE		20/1		23		C 24	20/1		(E) NIHGHT LIGHTS	
SPARE		20/1		25	A	26	20/1		(E) WATER HEATER	
SPARE		20/1		27	B	28	20/1		SPARE	
SPARE		20/1		29		C 30	20/1		SPARE	
(E) A/C UNIT		175/3		31	A	32	100/2		(E) RESTROOM SUBPANEL	
				33	B	34				
				35		C 36				
SPARE			PFB	37	A	38	20/1		SPARE	
SPARE			PFB	39	B	40	20/1		SPARE	
SPARE			PFB	41		C 42	20/1		SPARE	
NOTES:									CONNECTED LOAD	
[1] (E) CIRCUIT BREAKER w/ (N) LOAD									PHASE A= 0.0 KVA	
									PHASE B= 0.0 KVA	
									PHASE C= 0.0 KVA	
									TOTAL = 0.0 KVA	
									TOTAL = 0.0 AMPS	



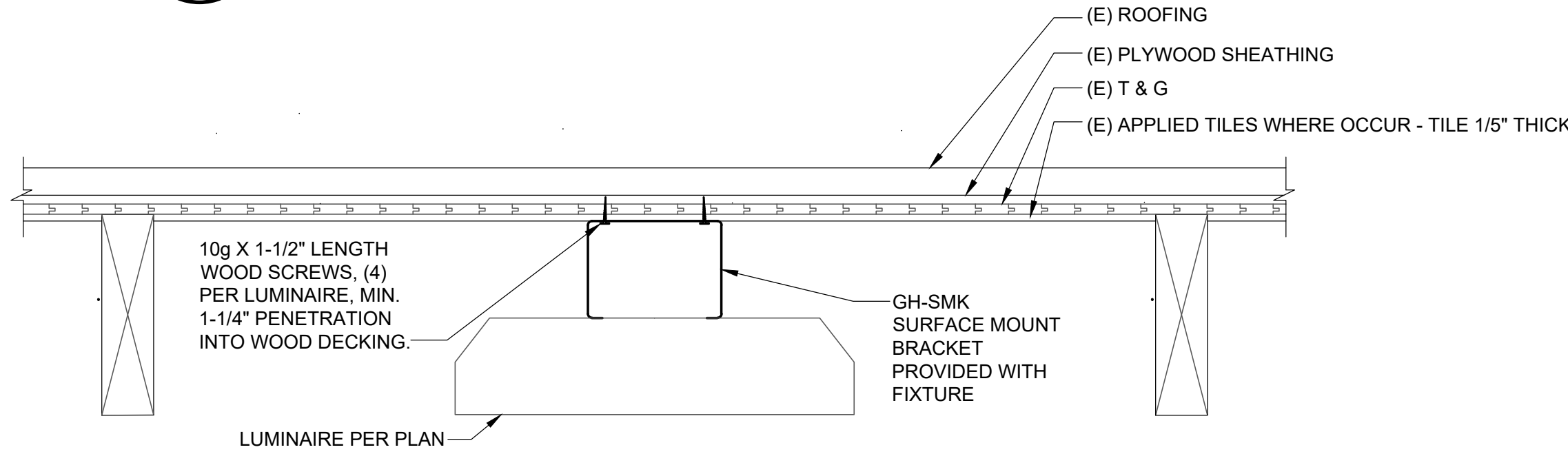
ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR OPENING CEILING AND PATCHING/PAINTING PER ARCHITECTURAL INSTRUCTIONS. SEE ARCHITECTURAL DRAWINGS.

1

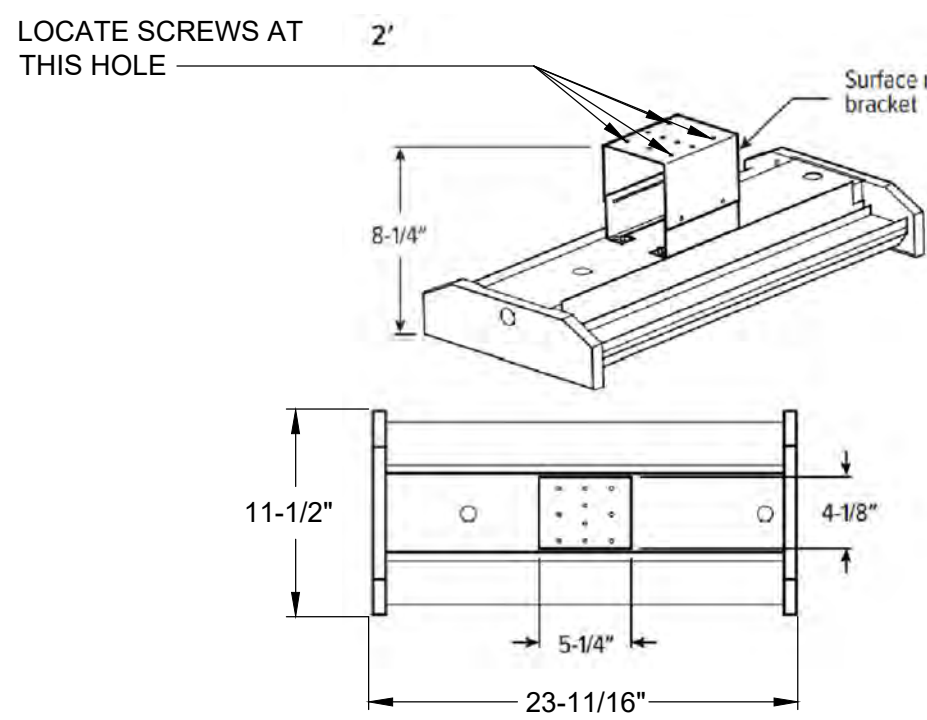
E4.1

SURFACE FIXTURE MOUNTING DETAIL

NO SCALE



LUMINAIRE PER PLAN



FIXTURE WEIGHT 11lb.

HIGH BAY INDUSTRIAL

INSTALLATION INSTRUCTIONS

E. GH INSTALLATION DETAILS

FOR USE WITH GH

GH SURFACE MOUNT KIT DETAILS

FIG E.3.4

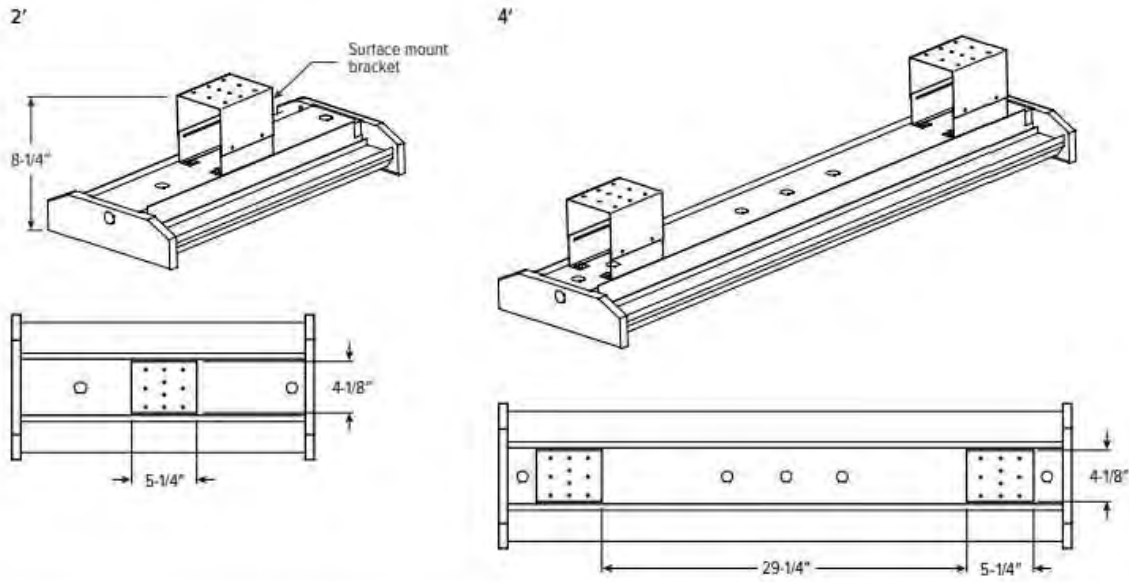
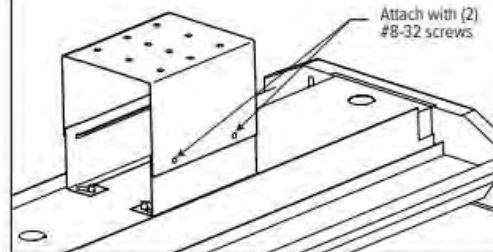


FIG E.3.5



MANUFACTURER INSTALLATION INSTRUCTION SHEET

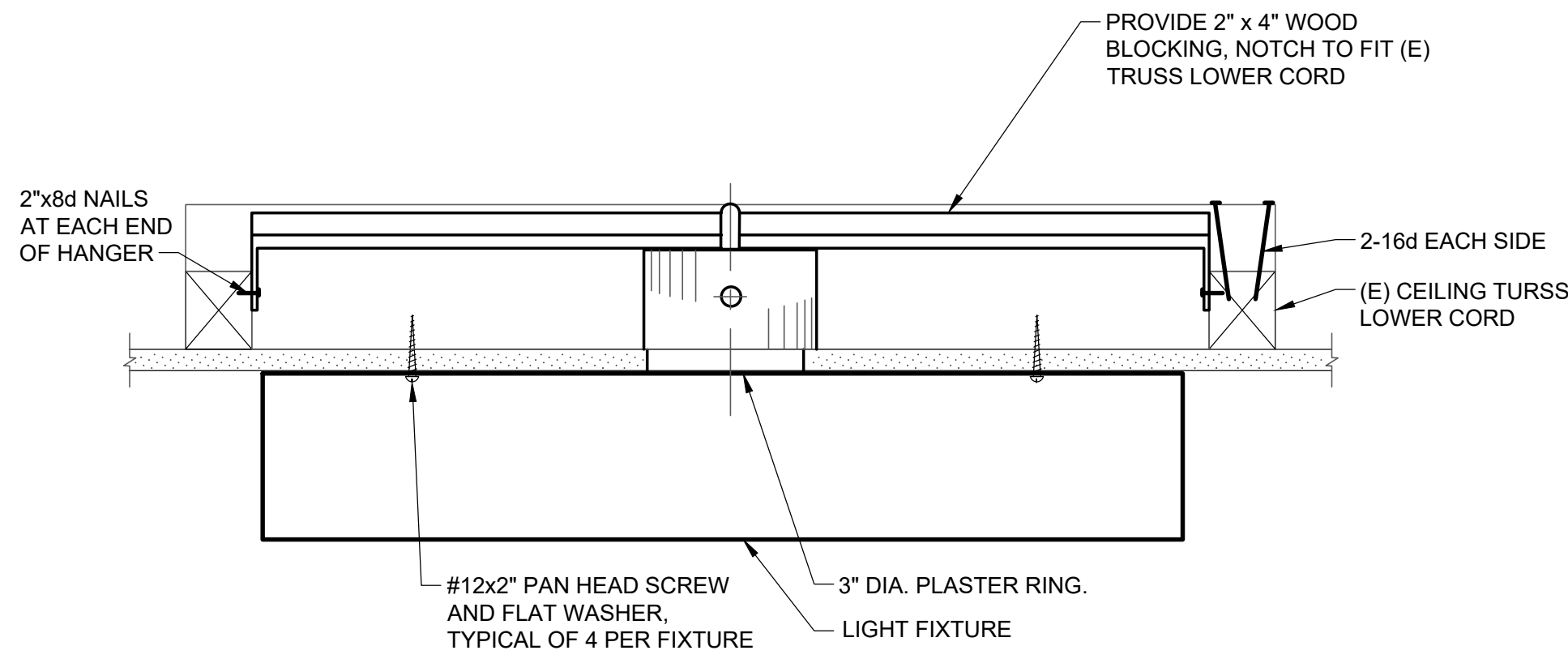
ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR OPENING CEILING AND PATCHING/PAINTING PER ARCHITECTURAL INSTRUCTIONS. SEE ARCHITECTURAL DRAWINGS.

2

E4.1

SURFACE FIXTURE MOUNTING DETAIL - \"D\" TYPE

NO SCALE



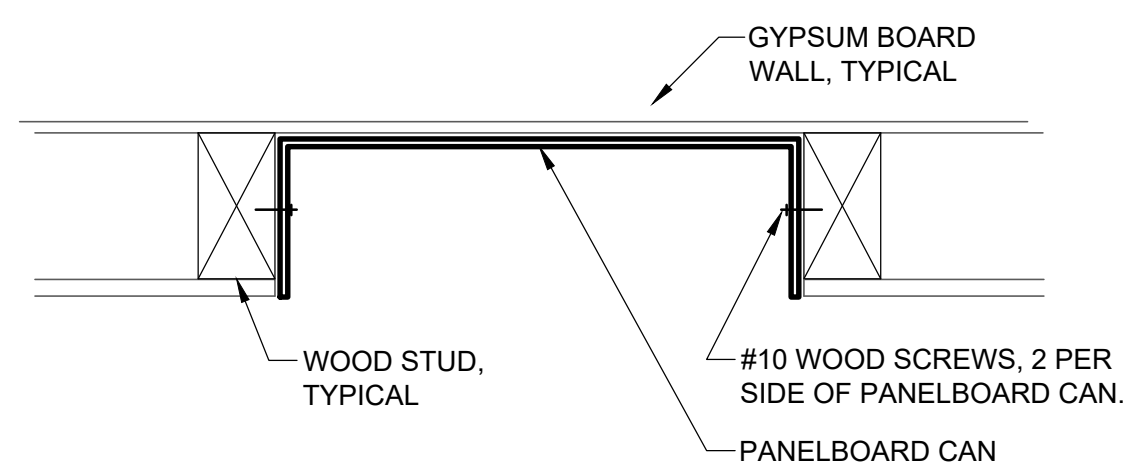
ELECTRICAL CONTRACTOR IS RESPONSIBLE FOR OPENING CEILING AND PATCHING/PAINTING PER ARCHITECTURAL INSTRUCTIONS. SEE ARCHITECTURAL DRAWINGS.

3

E4.1

SURFACE FIXTURE MOUNTING DETAIL

NO SCALE



FLUSH MOUNTING

MAXIMUM WEIGHT: 190LB.

4

E4.1

PANELBOARD MOUNTING DETAIL

NO SCALE

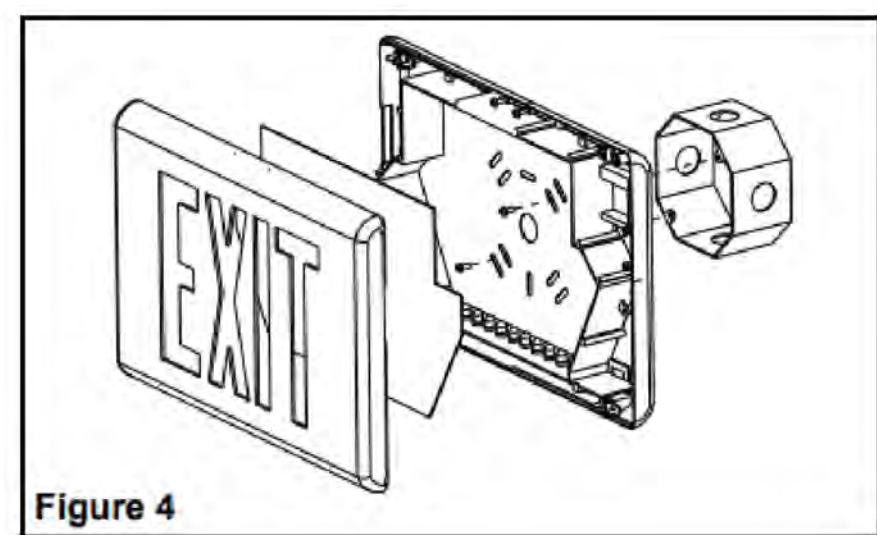
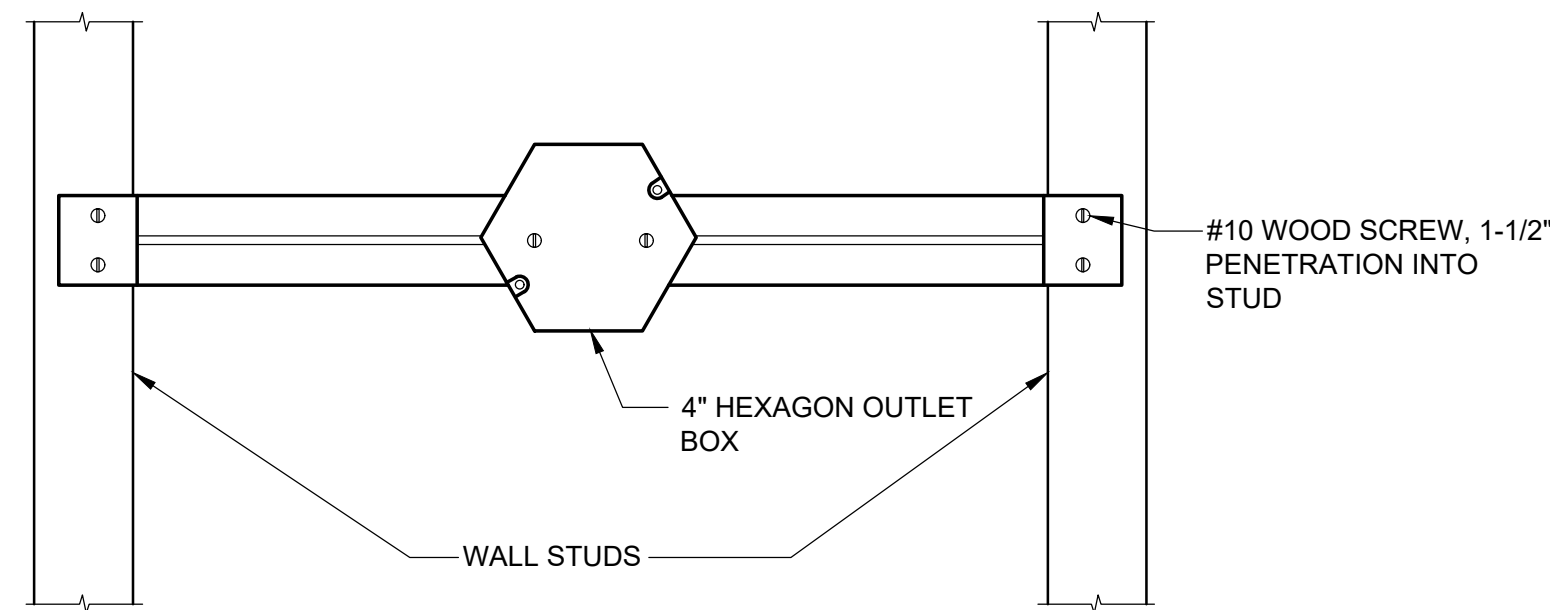


Figure 4

Wall Mount

- No canopy required (see fig.4). Determine the proper knockout in the back cover for mounting. Support the area around knockout with two blocks of wood. Strike knockouts from the inside with a hammer and screwdriver. Follow the chevron's knockout procedure in the Canopy mount section, step e.
- Route the AC wires through the large hole in the back cover.
- Mount the back cover to the junction box using the junction box screws. Install ty-rap mount and use ty-rap to place wires against back plate to avoid shadowing in the legend.

MANUFACTURER INSTALLATION INSTRUCTION SHEET

5

E4.1

EXIT LIGHT MOUNTING

NO SCALE

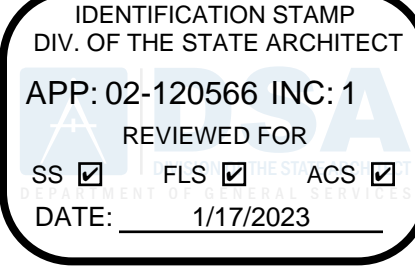


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Tel: (916) 923-4400

PROJECT #: 21249.21
PRJ MGR: Sinisha Glisic



730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

ELECTRICAL DETAILS

CONSULTANT

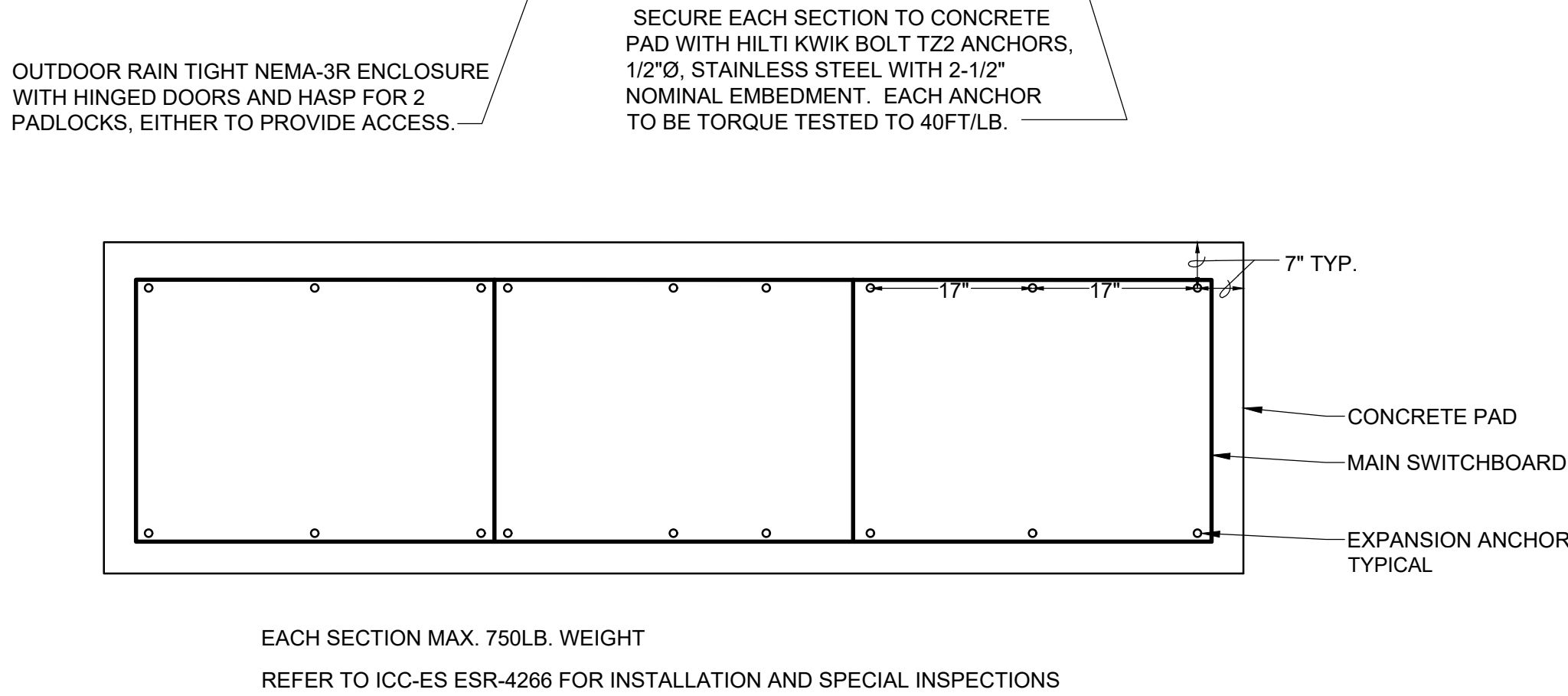
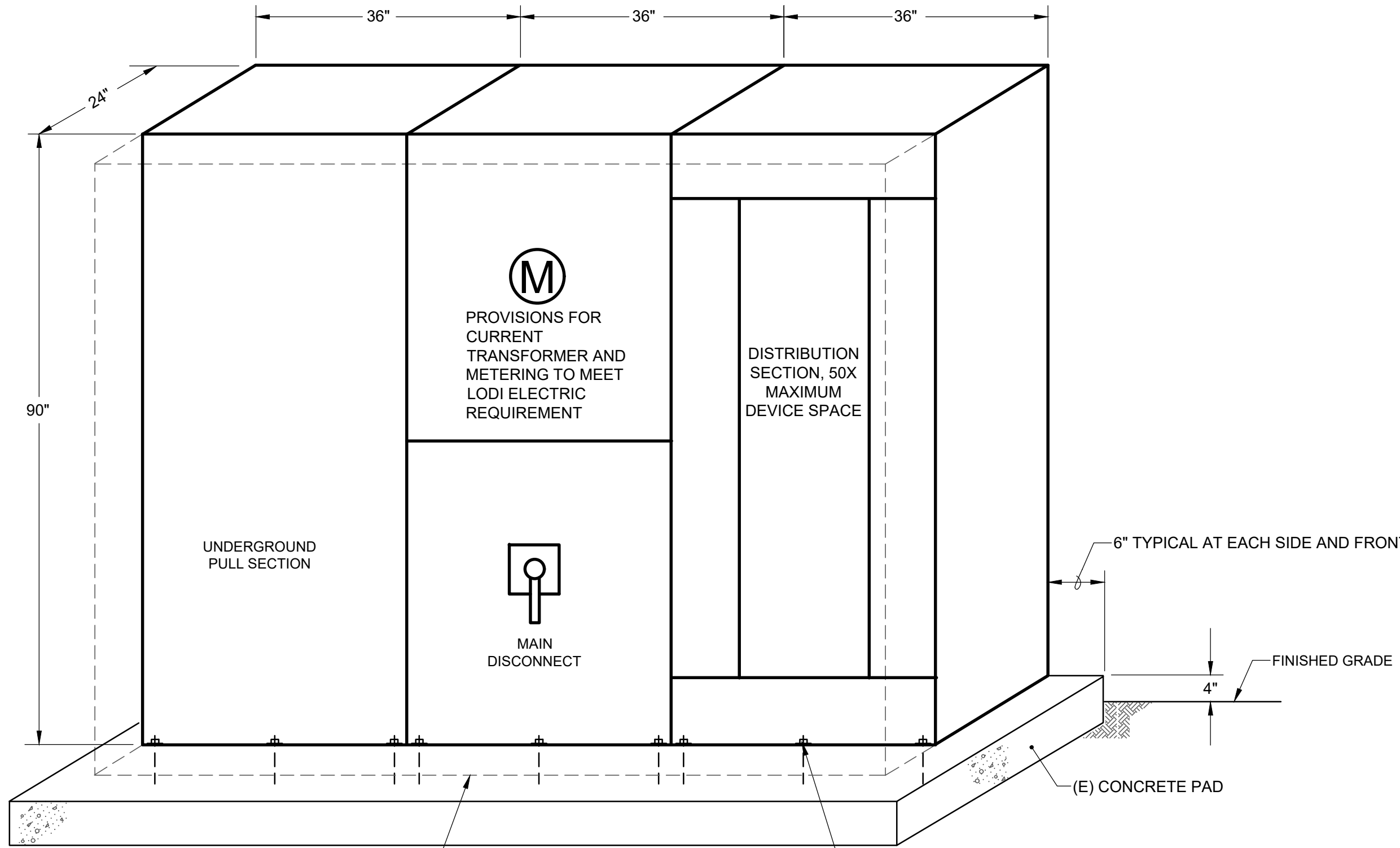


12/20/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MNE		
CHECKED		
MNE		
SCALE		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

E4.1

OF 131 SHEETS

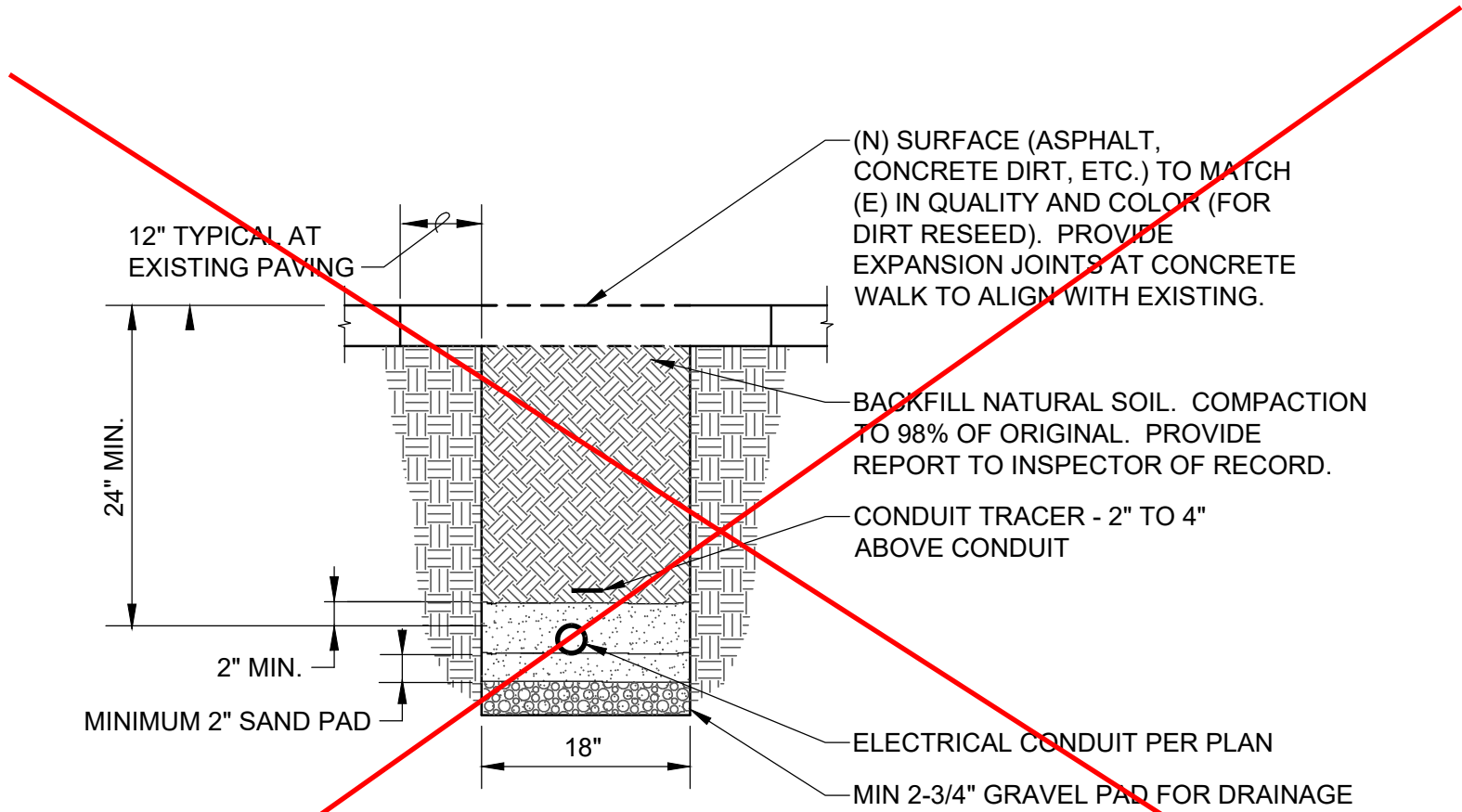


1

E4.2

NO SCALE

MAIN SWITCHBOARD "MS" INSTALLATION

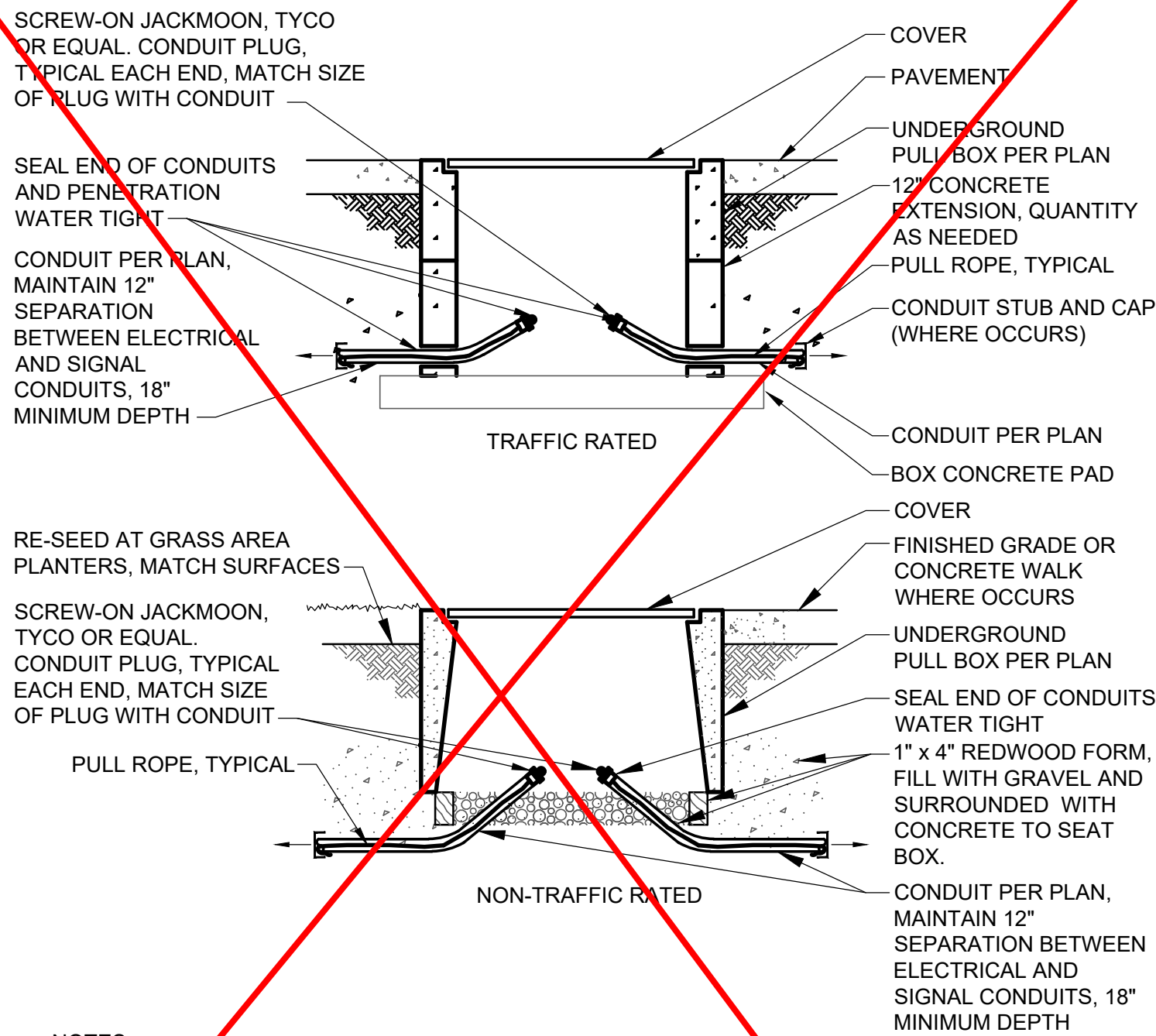


2

E4.2

NO SCALE

CONDUIT TRENCHING DETAIL

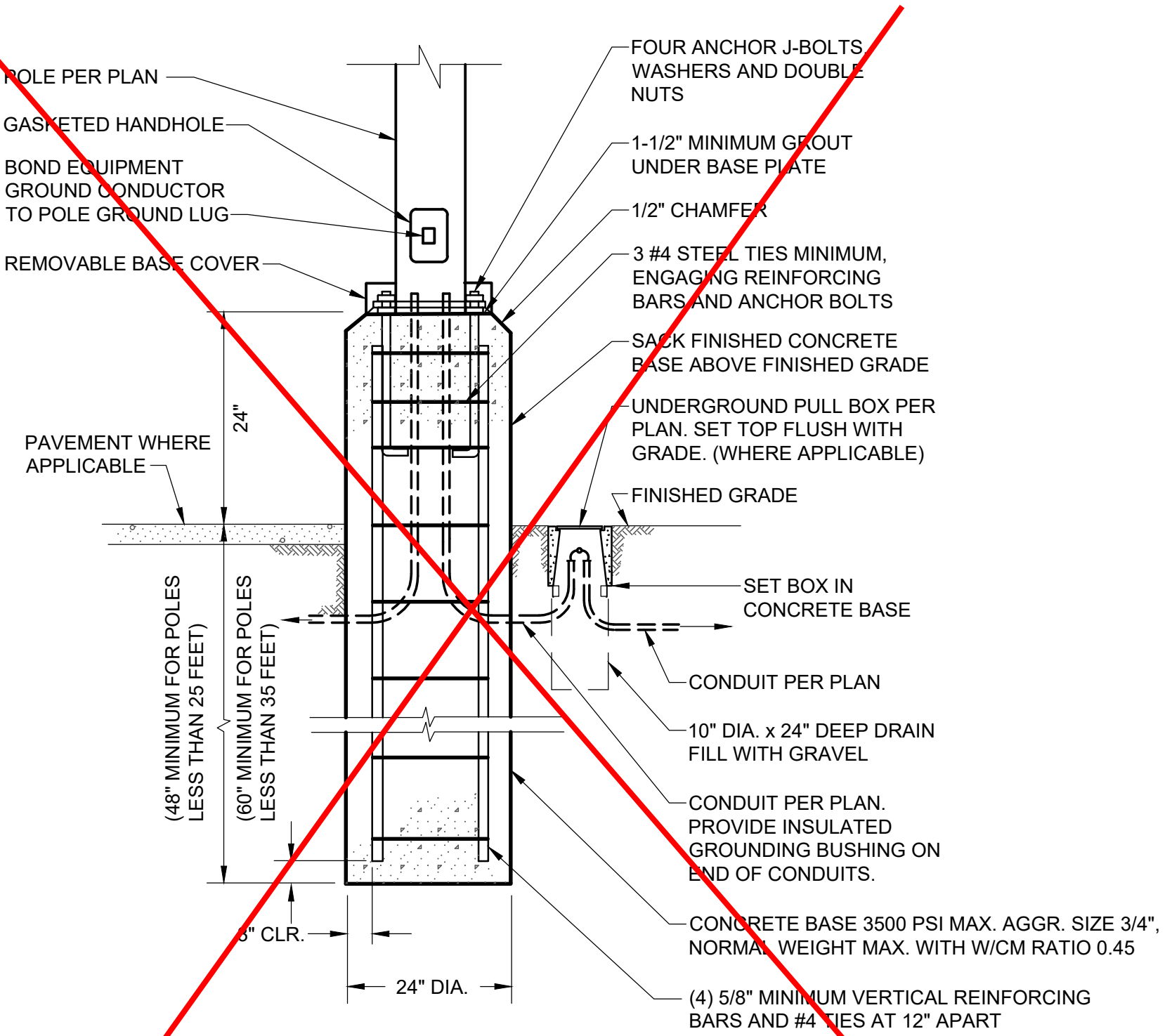


3

E4.2

NO SCALE

UNDERGROUND PULL BOX DETAIL



4

E4.2

NO SCALE

POLE BASE MOUNTING DETAIL

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.
Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING A
Project Address: 1600 W TOKAY ST, LODI, CA 95242
Report Page: Page 1 of 6
Date Prepared: 09/29/2022

A. GENERAL INFORMATION
01 Project Location (city) LODI
02 Climate Zone 12
03 Occupancy Types Within Project (select all that apply):
Office ☐ Retail ☐ Warehouse ☐ Hotel/Motel ☒ School ☐ Support Areas
Parking Garage ☐ High-Rise Residential ☐ Relocatable ☐ Healthcare ☐ Other (write in):
04 Total Conditioned Floor Area (ft²) 3,638
05 Total Unconditioned Floor Area (ft²)
06 # of Stories (Habitable Above Grade)
B. PROJECT SCOPE
Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".
Scope of Work
01 My Project Consists of (check all that apply):
New Lighting System ☒
Altered Lighting System ☐
02 Conditioned Spaces
Calculation Method
Area (ft²)
Complete Building 3,638
03 Unconditioned Spaces
Calculation Method
Area (ft²)
Total Area of Work (ft²) 3,638
C. COMPLIANCE RESULTS
Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D, for guidance.
Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.
01 Complete Building §140.6(c)1
02 Area Category §140.6(c)2
03 Area Category Additional §140.6(c)2G (+)
04 Tailored §140.6(c)3 (+)
05 Total Allowed (Watts)
06 Total Designed (Watts)
07 Adjustments PAF Control Credits §140.6(a)2 (+)
08 Total Adjusted (Watts) *Includes Adjustments
09 Compliance Results
05 Must be ≥ 08 §140.6
Conditioned: 2,364.7
Unconditioned:
Table Continued
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING A
Project Address: 1600 W TOKAY ST, LODI, CA 95242
Report Page: Page 4 of 6
Date Prepared: 09/29/2022

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE
This Section Does Not Apply
L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY
This Section Does Not Apply
M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING
This Section Does Not Apply
N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS
This Section Does Not Apply
O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE
This Section Does Not Apply
P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))
This Section Does Not Apply
Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS
This Section Does Not Apply
R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS
This Section Does Not Apply
S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)
This Section Does Not Apply
T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING A
Project Address: 1600 W TOKAY ST, LODI, CA 95242
Report Page: Page 2 of 6
Date Prepared: 09/29/2022

Controls Compliance (See Table H for Details) COMPLIES
Rated Power Reduction Compliance (See Table Q for Details) Not Applicable
D. EXCEPTIONAL CONDITIONS
This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.
No exceptional conditions apply to this project.
E. ADDITIONAL REMARKS
This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.
F. INDOOR LIGHTING FIXTURE SCHEDULE
Table Instructions: Include all permanent designed lighting and all portable lighting in offices.
Designed Wattage: Conditioned Spaces
01 Name or Item Tag
02 Complete Luminaire Description
03 Modular (Track) Fixture
04 Small Aperture & Color Change¹
05 Watts per luminaire²
06 How Wattage is determined
07 Total number luminaires
08 Exempt per §140.6(a)3
09 Design Watts
10 Field Inspector
B LED 1X4 SURFACE MOUNTED
Total Designed Watts CONDITIONED SPACES: 2,006.4
¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)48 is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.
² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.
G. MODULAR LIGHTING SYSTEMS
This Section Does Not Apply
H. INDOOR LIGHTING CONTROLS (Not Including PAFs)
Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING A
Project Address: 1600 W TOKAY ST, LODI, CA 95242
Report Page: Page 5 of 6
Date Prepared: 09/29/2022

YES NO Form/Title Field Inspector
Pass Fail
NRCL-LTI-01-E - Must be submitted for all buildings
NRCL-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.
NRCL-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.
NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.
NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.
U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE
Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E, Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html
YES NO Form/Title Field Inspector
Pass Fail
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.
NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.
NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).
NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING A
Project Address: 1600 W TOKAY ST, LODI, CA 95242
Report Page: Page 3 of 6
Date Prepared: 09/29/2022

Building Level Controls
01 Mandatory Demand Response §110.12(c)
02 Shut-Off Controls §130.1(c)
03 Field Inspector
Pass Fail
Not Required ≤ 10,000 SF See Area/Space Level Controls
Area Level Controls
04 Area Description
05 Complete Building or Area Category Primary Function Area
06 Area Controls §130.1(a)
07 Multi-Level Controls §130.1(b)
08 Shut-Off Controls §130.1(c)
09 Primary/Skylight Daylighting §130.1(d)
10 Secondary Daylighting §140.6(d)
11 Interlocked Systems §140.6(a)1
12 Field Inspector
Pass Fail
SCHOOL BUILDING School Building: Manual ON/OFF Dimmer: Occ. Sensor: NA
13 Plan Sheet Showing Daylit Zones:
*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2
I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS
Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.
Conditioned Spaces
01 Area Description
02 Complete Building or Area Category Primary Function Area
03 Allowed Density (W/ft²)
04 Area (ft²)
05 Allowed Wattage (Watts)
06 Additional Allowances / Adjustment
Area Category PAF
SCHOOL BUILDING School Building 0.65 3,638 2,364.7
TOTAL: 3,638 2,364.7 See Tables I or P for detail
J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM
This Section Does Not Apply
CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE
Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING A
Project Address: 1600 W TOKAY ST, LODI, CA 95242
Report Page: Page 6 of 6
Date Prepared: 09/29/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT
I certify that this Certificate of Compliance documentation is accurate and complete
Documentation Author Name: Jesse U. Bastian
Company: M. Neils Engineering, Inc.
Address: 100 Howe Ave, Suite 235N
City/State/Zip: Sacramento, CA 95825
Documentation Author Signature: Jesse Bastian
Signature Date: 12/20/2022
CEA/ HERS Certification Identification (if applicable):
Phone: (916) 923-4400
RESPONSIBLE PERSON'S DECLARATION STATEMENT
I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.
Responsible Designer Name: Jesse U. Bastian
Company: M. Neils Engineering, Inc.
Address: 100 Howe Ave, Suite 235N
City/State/Zip: Sacramento, CA 95825
Responsible Designer Signature: Jesse Bastian
Date Signed: 12/20/2022
License: E20229
Phone: (916) 923-4400

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: http://www.energy.ca.gov/title24/2019standards January 2020

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www.mneilsengineering.com
Tel: (916) 923-4400
PROJECT #: 21249.21
PRJ MGR: Sinisha Glisic

IDENTIFICATION STAMP
DIV. OF THE STATE ARCHITECT
APP: 02-120566 INC: 1
REVIEWED FOR
SS ☒ FLS ☒ ACS ☒
DATE: 1/17/2023

730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212

HENRY+
ASSOCIATES
ARCHITECTS

LICENSED ARCHITECT
STEPHEN L. HENRY
C-22525
12/31/23
RENEWAL
DATE
STATE OF CALIFORNIA

MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)
TITLE 24 INDDOR LIGHTING
COMPLIANCE FORMS -
BUILDING A

CONSULTANT
JESSE U. BASTIAN
No. E20229
Exp. 03-31-23
ELECTRICAL
STATE OF CALIFORNIA
12/20/2022

PROJECT NO.
21-32-053
DATE
5/26/2022
DRAWN
MNE
CHECKED
MNE
SCALE
CADFILE
UPDATED
12/21/2022
SHEET NO.

E5.1
OF 131 SHEETS

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING B

Report Page: Page 1 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

A. GENERAL INFORMATION

01 Project Location (city)

LODI

04 Total Conditioned Floor Area (ft²)

5,293

02 Climate Zone

12

05 Total Unconditioned Floor Area (ft²)

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

☐ Office

☐ Retail

☐ Warehouse

☐ Hotel/Motel

☒ School

☐ Support Areas

☐ Parking Garage

☐ High-Rise Residential

☐ Relocatable

☐ Healthcare

☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work

01

My Project Consists of (check all that apply):

☒ New Lighting System

Conditioned Spaces

02

Calculation Method

Complete Building

03

Area (ft²)

5,293

Unconditioned Spaces

04

Calculation Method

05

Area (ft²)

Total Area of Work (ft²)

5,293

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.

01

Complete Building §140.6(c)1

02

Area Category §140.6(c)2

03

Area Category Additional §140.6(c)2G (+)

04

Tailored §140.6(c)3 (+)

05

Total Allowed (Watts)

06

Total Designed (Watts)

07

Adjustments PAF Control Credits §140.6(a)2 (-)

08

Total Adjusted (Watts) *Includes Adjustments

09

05 Must be ≥ 08 §140.6

(See Table I)

(See Table I)

(See Table J)

(See Table K)

= 3,440.45

≥ 2,941.2

(See Table P)

= 2,941.2

COMPLIES

Conditioned: 3,440.45

Unconditioned:

Table Continued

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING B

Report Page: Page 2 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Controls Compliance (See Table H for Details)

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change¹

Watts per luminaire²

How Wattage is determined

Total number luminaires

Exempt per §140.6(a)3

Design Watts

Field Inspector

B

LED 1X4 SURFACE MOUNTED

☐

☐

22.8

Mfr. Spec³

129

☐

2,941.2

☐

☐

Total Designed Watts

CONDITIONED SPACES:

2,941.2

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING B

Report Page: Page 3 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Building Level Controls

01

02

03

Mandatory Demand Response §110.12(c)

Shut-Off Controls §130.1(c)

Field Inspector

Not Required ≤ 10,000 SF

See Area/Space Level Controls

Pass

Fail

Area Level Controls

04

05

06

07

08

09

10

11

12

Area Description

Complete Building or Area Category Primary Function Area

Area Controls §130.1(a)

Multi-Level Controls §130.1(b)

Shut-Off Controls §130.1(c)

Primary/Skylight Daylighting §130.1(d)

Secondary Daylighting §140.6(d)

Interlocked Systems §140.6(a)1

Field Inspector

SCHOOL BUILDING

School Building:

Manual ON/OFF

Dimmer:

Occ. Sensor:

NA

NA

☐

☐

☐

¹NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.

EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;

EXCEPTION 1 to §130.1(d)2

13

Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01

02

03

04

05

06

Area Description

Complete Building or Area Category Primary Function Area

Allowed Density (W/ft²)

Area (ft²)

Allowed Wattage (Watts)

Additional Allowances / Adjustment

SCHOOL BUILDING

School Building

0.65

5,293

3,440.45

Area Category

PAF

TOTAL:

5,293

3,440.45

See Tables J or P for detail

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING B

Report Page: Page 4 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING B

Report Page: Page 5 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

YES

NO

Form/Title

Field Inspector

Pass

Fail

☒

☐

NRCI-LTI-01-E - Must be submitted for all buildings

☐

☐

☐

☒

NRCI-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

☐

☐

☐

☒

NRCI-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.

☐

☐

☐

☒

NRCI-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.

☐

☐

☐

☒

NRCI-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.

☐

☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES

NO

Form/Title

Field Inspector

Pass

Fail

☒

☐

NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

☐

☐

☐

☒

NRCA-LTI-03-A - Must be submitted for automatic daylight controls.

☐

☐

☐

☒

NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.

☐

☐

☐

☒

NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).

☐

☐

☐

☒

NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

☐

☐

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING B

Report Page: Page 6 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: Jesse U. Bastian

Documentation Author Signature: Jesse Bastian

Signature Date: 12/20/2022

Company: M. Neils Engineering, Inc.

Address: 100 Howe Ave, Suite 235N

City/State/Zip: Sacramento, CA 95825

CEA/ HERS Certification Identification (if applicable):

Phone: (916) 923-4400

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jesse U. Bastian

Responsible Designer Signature: Jesse Bastian

Signature Date: 12/20/2022

Company: M. Neils Engineering, Inc.

Address: 100 Howe Ave, Suite 235N

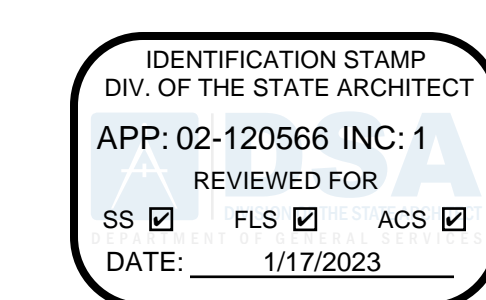
City/State/Zip: Sacramento, CA 95825

License: E20229

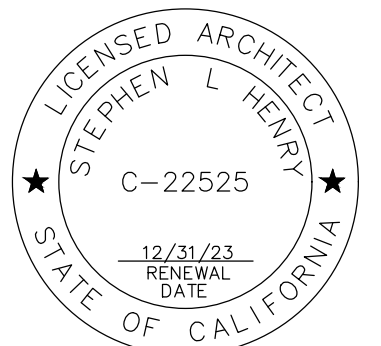
Phone: (916) 923-4400

CA Building Energy Efficiency Standards – 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020



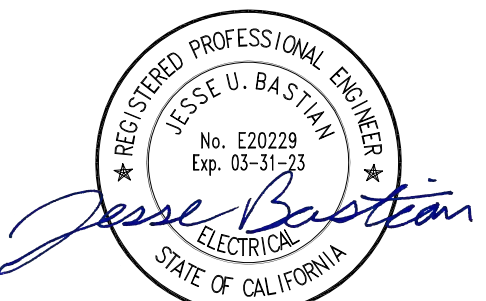
730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

TITLE 24 INDDOR LIGHTING
COMPLIANCE FORMS -
BUILDING B

CONSULTANT



12/20/2022

PROJECT NO. 21-32-053	REVISIONS	BY
DATE 5/26/2022		
DRAWN MNE		
CHECKED MNE		
SCALE		
CADFILE		
UPDATED 12/21/2022		
SHEET NO.		
E5.2		
OF 131 SHEETS		

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING C

Report Page: Page 1 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

A. GENERAL INFORMATION

01 Project Location (city)

LODI

04 Total Conditioned Floor Area (ft²)

5,294

02 Climate Zone

12

05 Total Unconditioned Floor Area (ft²)

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

☐ Office

☐ Retail

☐ Warehouse

☐ Hotel/Motel

☒ School

☐ Support Areas

☐ Parking Garage

☐ High-Rise Residential

☐ Relocatable

☐ Healthcare

☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work

Conditioned Spaces

Unconditioned Spaces

01

02

03

04

05

My Project Consists of (check all that apply):

Calculation Method

Area (ft²)

Calculation Method

Area (ft²)

☒ New Lighting System

Complete Building

5,294

☐ Altered Lighting System

Total Area of Work (ft²)

5,294

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.

01

02

03

04

05

06

07

08

09

Complete Building

Area Category

Area Category Additional

Tailored

=

≥

Total Designed

Adjustments

=

Total Adjusted

05 Must be ≥08

§140.6(c)1

§140.6(c)2

§140.6(c)2G (+)

§140.6(c)3 (+)

Total Allowed (Watts)

(Watts)

PAF Control Credits

§140.6(a)2 (-)

*Includes Adjustments

§140.6

(See Table I)

(See Table I)

(See Table J)

(See Table K)

=

≥

(See Table F)

(See Table P)

=

Conditioned:

3,441.1

≥

3,441.1

≥

2,941.2

=

2,941.2

COMPLIES

Unconditioned:

≥

≥

=

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING C

Report Page: Page 2 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Controls Compliance (See Table H for Details)

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change

Watts per luminaire²

How Wattage is determined

Total number luminaires

Exempt per

Design Watts

Field Inspector

B

LED 1X4 SURFACE MOUNTED

22.8

Mfr. Spec²

129

2,941.2

Pass

Fail

Total Designed Watts CONDITIONED SPACES:

2,941.2

³ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)48 is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

⁴ Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING C

Report Page: Page 3 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Building Level Controls

01

02

03

Mandatory Demand Response

Shut-Off Controls

Field Inspector

§110.12(c)

§130.1(c)

Pass

Fail

Not Required ≤ 10,000 SF

See Area/Space Level Controls

☐

☐

Area Level Controls

04

05

06

07

08

09

10

11

12

Area Description

Complete Building or Area Category Primary Function Area

Area Controls

Multi-Level Controls

Shut-Off Controls

Primary/Skylit Daylighting

Secondary Daylighting

Interlocked Systems

Field Inspector

SCHOOL BUILDING

School Building

§130.1(a)

§130.1(b)

§130.1(c)

NA

§130.1(d)

§140.6(d)

§140.6(a)1

Pass

Fail

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.

EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;

EXCEPTION 1 to §130.1(d)2

13

Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01

02

03

04

05

06

Area Description

Complete Building or Area Category Primary Function Area

Allowed Density (W/ft²)

Area (ft²)

Allowed Wattage (Watts)

Additional Allowances / Adjustment

SCHOOL BUILDING

School Building

0.65

5,294

3,441.1

Area Category

PAF

TOTAL:

5,294

3,441.1

See Tables I or P for detail

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING C

Report Page: Page 5 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name:

Jesse U. Bastian

Documentation Author Signature:

12/20/2022

Company:

M. Neils Engineering, Inc.

Signature Date:

12/20/2022

Address:

100 Howe Ave, Suite 235N

CEA/ HERS Certification Identification (if applicable):

City/State/Zip:

Sacramento, CA 95825

Phone:

(916) 923-4400

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:

Jesse U. Bastian

Responsible Designer Signature:

12/20/2022

Company :

M. Neils Engineering, Inc.

Date Signed:

12/20/2022

Address:

100 Howe Ave, Suite 235N

License:

E20229

City/State/Zip:

Sacramento, CA 95825

Phone:

(916) 923-4400

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING C

Report Page: Page 5 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

YES

NO

Form/Title

Field Inspector

☒

☐

NRCC-LTI-01-E - Must be submitted for all buildings

☐

☐

☐

☒

NRCC-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

☐

☐

☐

☒

NRCC-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.

☐

☐

☐

☒

NRCC-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.

☐

☐

☐

☒

NRCC-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.

☐

☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES

NO

Form/Title

Field Inspector

☒

☐

NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

☐

☐

☐

☒

NRCA-LTI-03-A - Must be submitted for automatic daylight controls.

☐

☐

☐

☒

NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.

☐

☐

☐

☒

NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).

☐

☐

☐

☒

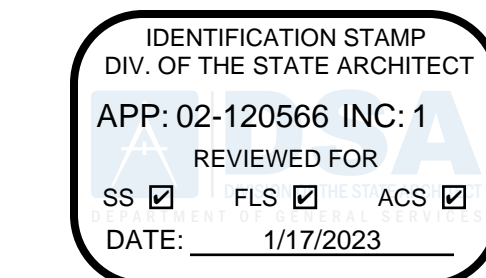
NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

☐

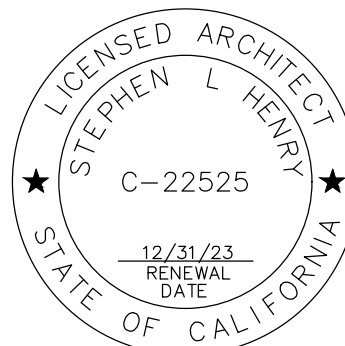
☐

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

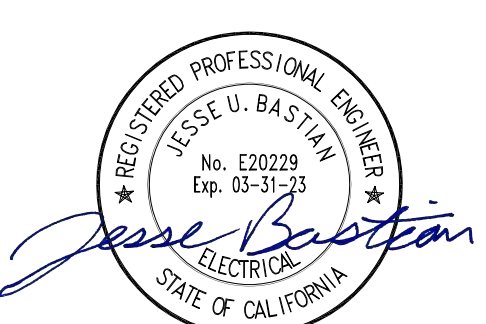


730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

TITLE 24 INDDOR LIGHTING
COMPLIANCE FORMS -
BUILDING C



PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MNE		
CHECKED		
MNE		
SCALE		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

E5.3

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING D

Report Page: Page 1 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

A. GENERAL INFORMATION

01 Project Location (city)

LODI

04 Total Conditioned Floor Area (ft²)

5,294

02 Climate Zone

12

05 Total Unconditioned Floor Area (ft²)

06 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

☐ Office

☐ Retail

☐ Warehouse

☐ Hotel/Motel

☒ School

☐ Support Areas

☐ Parking Garage

☐ High-Rise Residential

☐ Relocatable

☐ Healthcare

☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work

Conditioned Spaces

Unconditioned Spaces

01 My Project Consists of (check all that apply):

02 Calculation Method

03 Area (ft²)

04 Calculation Method

05 Area (ft²)

☒ New Lighting System

☐ Altered Lighting System

Total Area of Work (ft²)

5,294

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.

01 Complete Building §140.6(c)1

02 Area Category §140.6(c)2

03 Area Category Additional §140.6(c)2G (+)

04 Tailored §140.6(c)3 (+)

=

05 Total Allowed (Watts)

≥

06 Total Designed (Watts)

07 Adjustments PAF Control Credits §140.6(a)2 (-)

=

08 Total Adjusted (Watts) *Includes Adjustments

09 05 Must be ≥ 08 §140.6

Conditioned: 3,441.1

Unconditioned: 0

=

3,441.1

≥

2,897.4

=

2,897.4

COMPLIES

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING D

Report Page: Page 2 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Controls Compliance (See Table H for Details)

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01 02 03 04 05 06 07 08 09 10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change¹

Watts per luminaire²

How Wattage is determined

Total number luminaires

Exempt per §140.6(a)3

Design Watts

Field Inspector

A LED 2X4 SURFACE MOUNTED

21.4

Mfr. Spec²

129

2,760.6

B LED 1X4 SURFACE MOUNTED

22.8

Mfr. Spec²

6

136.8

Total Designed Watts CONDITIONED SPACES: 2,897.4

¹ FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)4B is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

² Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING D

Report Page: Page 3 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

01 02 03

Mandatory Demand Response §110.12(c)

Shut-Off Controls §130.1(c)

Field Inspector

Not Required ≤ 10,000 SF

See Area/Space Level Controls

Pass

Fail

Area Level Controls

04 05 06 07 08 09 10 11 12

Area Description

Complete Building or Area Category Primary Function Area

Area Controls §130.1(a)

Multi-Level Controls §130.1(b)

Shut-Off Controls §130.1(c)

Primary/Skylit Daylighting §130.1(d)

Secondary Daylighting §140.6(d)

Interlocked Systems §140.6(a)1

Field Inspector

SCHOOL BUILDING

School Building:

Manual ON/OFF

Dimmer:

Occ.Sensor:

NA

NA

Pass

Fail

¹ NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.

EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;

EXCEPTION 1 to §130.1(d)2

Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01 02 03 04 05 06

Area Description

Complete Building or Area Category Primary Function Area

Allowed Density (W/ft²)

Area (ft²)

Allowed Wattage (Watts)

Area Category

Additional Allowances / Adjustment

SCHOOL BUILDING

School Building

0.65

5,294

3,441.1

PAF

TOTAL: 5,294 3,441.1

See Tables I or P for detail

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING D

Report Page: Page 5 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: Jesse U. Bastian

Documentation Author Signature: Jesse Bastian

Company: M. Neils Engineering, Inc.

Signature Date: 12/20/2022

Address: 100 Howe Ave, Suite 235N

CEA/ HERS Certification Identification (if applicable):

City/State/Zip: Sacramento, CA 95825

Phone: (916) 923-4400

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jesse U. Bastian

Responsible Designer Signature: Jesse Bastian

Company: M. Neils Engineering, Inc.

Date Signed: 12/20/2022

Address: 100 Howe Ave, Suite 235N

License: E20229

City/State/Zip: Sacramento, CA 95825

Phone: (916) 923-4400

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING D

Report Page: Page 4 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING D

Report Page: Page 5 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

YES NO

Form/Title

Field Inspector

Pass

Fail

☒ ☐ NRCL-LTI-01-E - Must be submitted for all buildings

☐ ☒ NRCL-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

☐ ☒ NRCL-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.

☐ ☒ NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.

☐ ☒ NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES NO

Form/Title

Field Inspector

Pass

Fail

☒ ☐ NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

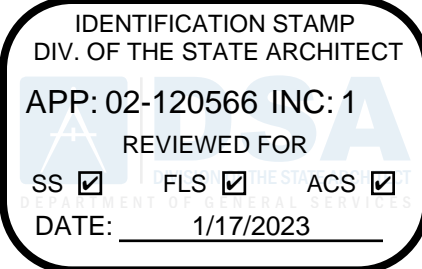
☐ ☒ NRCA-LTI-03-A - Must be submitted for automatic daylight controls.

☐ ☒ NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.

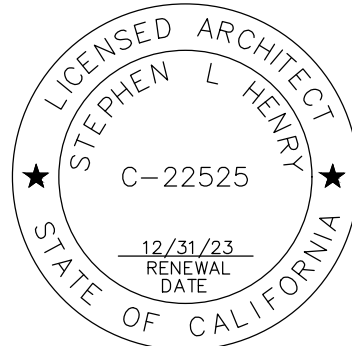
☐ ☒ NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).

☐ ☒ NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards> January 2020



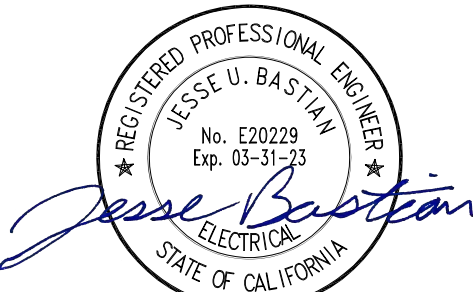
730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

TITLE 24 INDDOR LIGHTING
COMPLIANCE FORMS -
BUILDING D

CONSULTANT



12/20/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MNE		
CHECKED		
MNE		
SCALE		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

E5.4

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING E

Report Page: Page 1 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

A. GENERAL INFORMATION

01 Project Location (city)

LODI

04 Total Conditioned Floor Area (ft²)

5,294

02 Climate Zone

12

05 Total Unconditioned Floor Area (ft²)

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

☐ Office

☐ Retail

☐ Warehouse

☐ Hotel/Motel

☒ School

☐ Support Areas

☐ Parking Garage

☐ High-Rise Residential

☐ Relocatable

☐ Healthcare

☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work

Conditioned Spaces

Unconditioned Spaces

01

02

03

04

05

My Project Consists of (check all that apply):

Calculation Method

Area (ft²)

Calculation Method

Area (ft²)

☒ New Lighting System

☐ Altered Lighting System

Total Area of Work (ft²)

5,294

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1.

Allowed Lighting Power per §140.6(b) (Watts)

Adjusted Lighting Power per §140.6(a) (Watts)

Compliance Results

01

02

03

04

05

06

07

08

09

Complete Building

Area Category

Area Category Additional

Tailored

= Total Allowed

≥ Total Designed

= Total Adjusted

05 Must be ≥ 08

§140.6(c)1

§140.6(c)2

§140.6(c)2G (+)

§140.6(c)3 (+)

§140.6(a)2 (-)

*Includes Adjustments

§140.6

(See Table I)

(See Table I)

(See Table J)

(See Table K)

3,441.1

≥ 2,894.6

= 2,894.6

COMPLIES

Conditioned:

Unconditioned:

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING E

Report Page: Page 2 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Controls Compliance (See Table H for Details)

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change

Watts per luminaire²

How Wattage is determined

Total number luminaires

Exempt per §140.6(a)3

Design Watts

Field Inspector

A

LED 2X4 SURFACE MOUNTED

21.4

Mfr. Spec²

131

2,803.4

B

LED 1X4 SURFACE MOUNTED

22.8

Mfr. Spec²

4

91.2

Total Designed Watts CONDITIONED SPACES:

2,894.6

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING E

Report Page: Page 3 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

01

02

03

Mandatory Demand Response

Shut-Off Controls

Field Inspector

§110.12(c)

§130.1(c)

Pass

Fail

Not Required ≤ 10,000 SF

See Area/Space Level Controls

Area Level Controls

04

05

06

07

08

09

10

11

12

Area Description

Complete Building or Area Category

Area Controls

Multi-Level Controls

Shut-Off Controls

Primary/Skylit Daylighting

Secondary Daylighting

Interlocked Systems

Field Inspector

SCHOOL BUILDING

School Building:

Manual ON/OFF

Dimmer:

Occ.Sensor:

NA

NA

Pass

Fail

*NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.
EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting;
EXCEPTION 1 to §130.1(d)2

13

Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01

02

03

04

05

06

Area Description

Complete Building or Area Category

Primary Function Area

Allowed Density (W/ft²)

Area (ft²)

Allowed Wattage (Watts)

Additional Allowances / Adjustment

SCHOOL BUILDING

School Building

0.65

5,294

3,441.1

Area Category

PAF

TOTAL:

5,294

3,441.1

See Tables I or P for detail

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING E

Report Page: Page 6 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242

Date Prepared: 09/29/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: Jesse U. Bastian

Documentation Author Signature: Jesse Bastian

Company: M. Neils Engineering, Inc.

Signature Date: 12/20/2022

Address: 100 Howe Ave, Suite 235N

CEA/ HERS Certification Identification (if applicable):

City/State/Zip: Sacramento, CA 95825

Phone: (916) 923-4400

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jesse U. Bastian

Responsible Designer Signature: Jesse Bastian

Company: M. Neils Engineering, Inc.

Date Signed: 12/20/2022

Address: 100 Howe Ave, Suite 235N

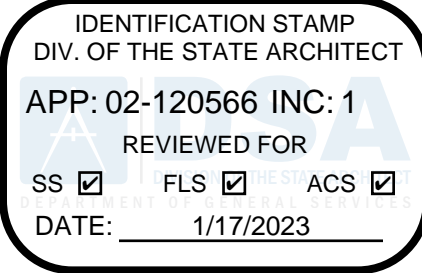
License: E20229

City/State/Zip: Sacramento, CA 95825

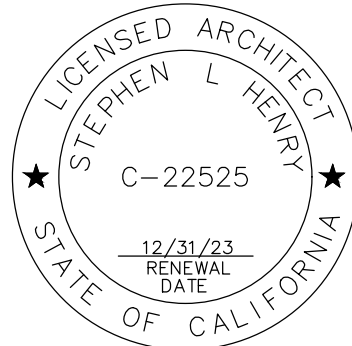
Phone: (916) 923-4400

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020



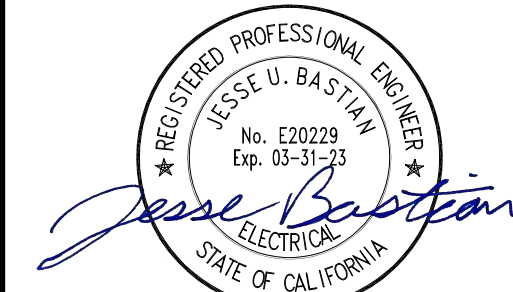
730 Howe Avenue, Suite 450
Sacramento, CA 95825
Phone: 916.921.2112
Fax: 916.921.2212



MODERNIZATION VINEWOOD
ELEMENTARY SCHOOL
(INCREMENT 1)

TITLE 24 INDDOR LIGHTING
COMPLIANCE FORMS -
BUILDING E

CONSULTANT



12/20/2022

PROJECT NO.	REVISIONS	BY
21-32-053		
DATE		
5/26/2022		
DRAWN		
MNE		
CHECKED		
MNE		
SCALE		
CADFILE		
UPDATED		
12/21/2022		
SHEET NO.		

E5.5

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

This document is used to demonstrate compliance with requirements in §110.9, §110.12(c), §130.0, §130.1, §140.6, and §141.0(b)2 for indoor lighting scopes using the prescriptive path.

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING FReport Page: Page 1 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242Date Prepared: 09/29/2022

A. GENERAL INFORMATION

01 Project Location (city)

LODI

04 Total Conditioned Floor Area (ft²)

5,372

02 Climate Zone

12

05 Total Unconditioned Floor Area (ft²)

03 Occupancy Types Within Project (select all that apply):

06 # of Stories (Habitable Above Grade)

☐ Office☐ Retail☐ Warehouse☐ Hotel/Motel☒ School☐ Support Areas

☐ Parking Garage☐ High-Rise Residential☐ Relocatable☐ Healthcare☐ Other (write in):

B. PROJECT SCOPE

Table Instructions: Include any lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.6 or §141.0(b)2 for alterations. WARNING: Changing the Calculation Method in this table will result in the deletion of data previously input. If you need to change the calculation method, please open a new form or use "Save As".

Scope of Work

Conditioned Spaces

Unconditioned Spaces

01

02

03

04

05

My Project Consists of (check all that apply):

Calculation Method

Area (ft²)

Calculation Method

Area (ft²)

☒ New Lighting System

Complete Building

5,372

☐ Altered Lighting System

Total Area of Work (ft²)

5,372

C. COMPLIANCE RESULTS

Table Instructions: If any cell on this table says "DOES NOT COMPLY" or "COMPLIES with Exceptional Conditions" refer to Table D. for guidance.

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1

01

02

03

04

05

06

07

08

09

Complete Building §140.6(c)1

Area Category §140.6(c)2

Area Category Additional §140.6(c)2G (+)

Tailored §140.6(c)3 (+)

= Total Allowed (Watts)

≥ Total Designed (Watts)

Adjustments PAF Control Credits §140.6(a)2 (-)

= Total Adjusted (Watts) *Includes Adjustments

05 Must be ≥ 08 §140.6

(See Table I)

(See Table I)

(See Table J)

(See Table K)

=

3,491.8

≥

2,552.8

=

2,552.8

COMPLIES

Conditioned: 3,491.8

Unconditioned:

Table Continued

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING FReport Page: Page 2 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242Date Prepared: 09/29/2022

Controls Compliance (See Table H for Details)

COMPLIES

Rated Power Reduction Compliance (See Table Q for Details)

Not Applicable

D. EXCEPTIONAL CONDITIONS

This table is auto-filled with uneditable comments because of selections made or data entered in tables throughout the form.

No exceptional conditions apply to this project.

E. ADDITIONAL REMARKS

This table includes remarks made by the permit applicant to the Authority Having Jurisdiction.

F. INDOOR LIGHTING FIXTURE SCHEDULE

Table Instructions: Include all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01

02

03

04

05

06

07

08

09

10

Name or Item Tag

Complete Luminaire Description

Modular (Track) Fixture

Small Aperture & Color Change¹

Watts per luminaire²

How Wattage is determined

Total number luminaires

Exempt per §140.6(a)3

Design Watts

Field Inspector

A

LED 2X4 SURFACE MOUNTED

☐

☐

33.7

Mfr. Spec²

4

☐

134.8

☐

☐

B

LED 1X4 SURFACE MOUNTED

☐

☐

22.8

Mfr. Spec²

12

☐

273.6

☐

☐

D

LED 2X2 HIGH BAY

☐

☐

90.8

Mfr. Spec²

18

☐

1,634.4

☐

☐

E

LED 1X4 KITCHEN NSF

☐

☐

42.5

Mfr. Spec²

12

☐

510

☐

☐

Total Designed Watts CONDITIONED SPACES:

2,552.8

¹FOOTNOTE: Design Watts for small aperture and color changing luminaires which qualify per §140.6(a)48 is adjusted to be 75% of their rated wattage. Table F automatically makes this adjustment, the permit applicant should enter full rated wattage in column 05.

²Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c) Wattage used must be the maximum rated for the luminaire, not the lamp.

G. MODULAR LIGHTING SYSTEMS

This Section Does Not Apply

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING FReport Page: Page 3 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242Date Prepared: 09/29/2022

H. INDOOR LIGHTING CONTROLS (Not Including PAFs)

Table Instructions: Please include lighting controls for conditioned and unconditioned spaces in this table. When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.

Building Level Controls

01

02

03

Mandatory Demand Response §110.12(c)

Shut-Off Controls §130.1(c)

Field Inspector

Not Required ≤ 10,000 SF

See Area/Space Level Controls

☐

☐

Area Level Controls

04

05

06

07

08

09

10

11

12

Area Description

Complete Building or Area Category Primary Function Area

Area Controls §130.1(a)

Multi-Level Controls §130.1(b)

Shut-Off Controls §130.1(c)

Primary/Skylight Daylighting §130.1(d)

Secondary Daylighting §140.6(d)

Interlocked Systems §140.6(a)1

Field Inspector

SCHOOL BUILDING

School Building:

Manual ON/OFF

Dimmer:

Occ.Sensor:

NA¹

NA¹

☐

☐

☐

¹NOTES: Controls with a * require a note in the space below explaining how compliance is achieved.

EX: Conference 1: Primary/Skylight Daylighting: Exempt because less than 120 watts of general lighting; EXCEPTION 1 to §130.1(d)2

Plan Sheet Showing Daylit Zones:

I. LIGHTING POWER ALLOWANCE: COMPLETE BUILDING OR AREA CATEGORY METHODS

Table Instructions: Complete the table for each area complying using the Complete Building or Area Category Methods per §140.6(b). Indicate if additional lighting power allowances per §140.6(c) or adjustments per §140.6(a) are being used.

Conditioned Spaces

01

02

03

04

05

06

Area Description

Complete Building or Area Category Primary Function Area

Allowed Density (W/ft²)

Area (ft²)

Allowed Wattage (Watts)

Area Category

Additional Allowances / Adjustment

SCHOOL BUILDING

School Building

0.65

5,372

3,491.8

☐

☐

TOTAL:

5,372

3,491.8

See Tables J or P for detail

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING FReport Page: Page 4 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242Date Prepared: 09/29/2022

J. ADDITIONAL LIGHTING ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This Section Does Not Apply

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This Section Does Not Apply

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This Section Does Not Apply

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This Section Does Not Apply

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This Section Does Not Apply

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This Section Does Not Apply

P. POWER ADJUSTMENT: LIGHTING CONTROL CREDIT (POWER ADJUSTMENT FACTOR (PAF))

This Section Does Not Apply

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This Section Does Not Apply

R. 80% LIGHTING POWER FOR ALTERATIONS - CONTROLS EXCEPTIONS

This Section Does Not Apply

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This Section Does Not Apply

T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

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Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING FReport Page: Page 5 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242Date Prepared: 09/29/2022

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www2.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCL/

YES

NO

Form/Title

Field Inspector

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NRCL-LTI-01-E - Must be submitted for all buildings

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NRCL-LTI-02-E - Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.

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NRCL-LTI-04-E - Must be submitted for two interlocked systems serving an auditorium, a convention center, a conference room, a multipurpose room, or a theater to be recognized for compliance.

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NRCL-LTI-05-E - Must be submitted for a Power Adjustment Factor (PAF) to be recognized for compliance.

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NRCL-LTI-06-E - Must be submitted for additional wattage installed in a video conferencing studio to be recognized for compliance.

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U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Table Instructions: Selections have been made based on information provided in previous tables of this document. If any selection needs to be changed, please explain why in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: <http://www.energy.ca.gov/title24/attcp/providers.html>

YES

NO

Form/Title

Field Inspector

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NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.

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NRCA-LTI-03-A - Must be submitted for automatic daylight controls.

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NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.

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NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).

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NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).

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CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

STATE OF CALIFORNIA

Indoor Lighting

NRCC-LTI-E (Created 01/20)

CALIFORNIA ENERGY COMMISSION

NRCC-LTI-E

CERTIFICATE OF COMPLIANCE

Project Name: MODERNIZATION VINEWOOD ELEMENTARY SCHOOL - BUILDING FReport Page: Page 6 of 6

Project Address: 1600 W TOKAY ST, LODI, CA 95242Date Prepared: 09/29/2022

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

I certify that this Certificate of Compliance documentation is accurate and complete

Documentation Author Name: Jesse U. Bastian

Documentation Author Signature: Jesse Bastian

Company: M. Neils Engineering, Inc.

Signature Date: 12/20/2022

Address: 100 Howe Ave, Suite 235N

CEA/ HERS Certification Identification (if applicable):

City/State/Zip: Sacramento, CA 95825

Phone: (916) 923-4400

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:

1. The information provided on this Certificate of Compliance is true and correct.

2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)

3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.

4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.

5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Jesse U. Bastian

Responsible Designer Signature: Jesse Bastian

Company: M. Neils Engineering, Inc.

Date Signed: 12/20/2022

Address: 100 Howe Ave, Suite 235N

License: E20229

City/State/Zip: Sacramento, CA 95825

Phone: (916) 923-4400

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <http://www.energy.ca.gov/title24/2019standards>

January 2020

M. NEILS

ENGINEERING, INC.

Electrical Engineers | Lighting Designers

100 Howe Ave., Suite 235N

Sacramento, CA 95825-8217

www.mneilsengineering.com

Tel: (916) 923-4400

PROJECT #: 21249.21

PRJ MGR: Sinisha Glisic

IDENTIFICATION STAMP

DIV. OF THE STATE ARCHITECT

APP: 02-120566 INC: 1

REVIEWED FOR

SS ☒ FLS ☒ ACS ☒

DATE: 1/17/2023

730 Howe Avenue, Suite 450

Sacramento, CA 95825

Phone: 916.921.2112

Fax: 916.921.2212

HENRY+

ASSOCIATES

ARCHITECTS

LICENSED ARCHITECT

STEPHEN L. HENRY

C-22525

12/31/23

RENEWAL DATE

STATE OF CALIFORNIA

MODERNIZATION VINEWOOD

ELEMENTARY SCHOOL

(INCREMENT 1)

TITLE 24 INDDOR LIGHTING

COMPLIANCE FORMS -

BUILDING F

CONSULTANT

REGISTERED PROFESSIONAL ENGINEER

JESSE U. BASTIAN

No. E20229

Exp. 03-31-23

Jesse Bastian

ELECTRICAL

STATE OF CALIFORNIA

12/20/2022

PROJECT NO.

21-32-053

REVISIONS

BY

DATE

5/26/2022

DRAWN

MNE

CHECKED

MNE

SCALE

CADFILE

UPDATED

12/21/2022

SHEET NO.

E5.6

OF 131 SHEETS