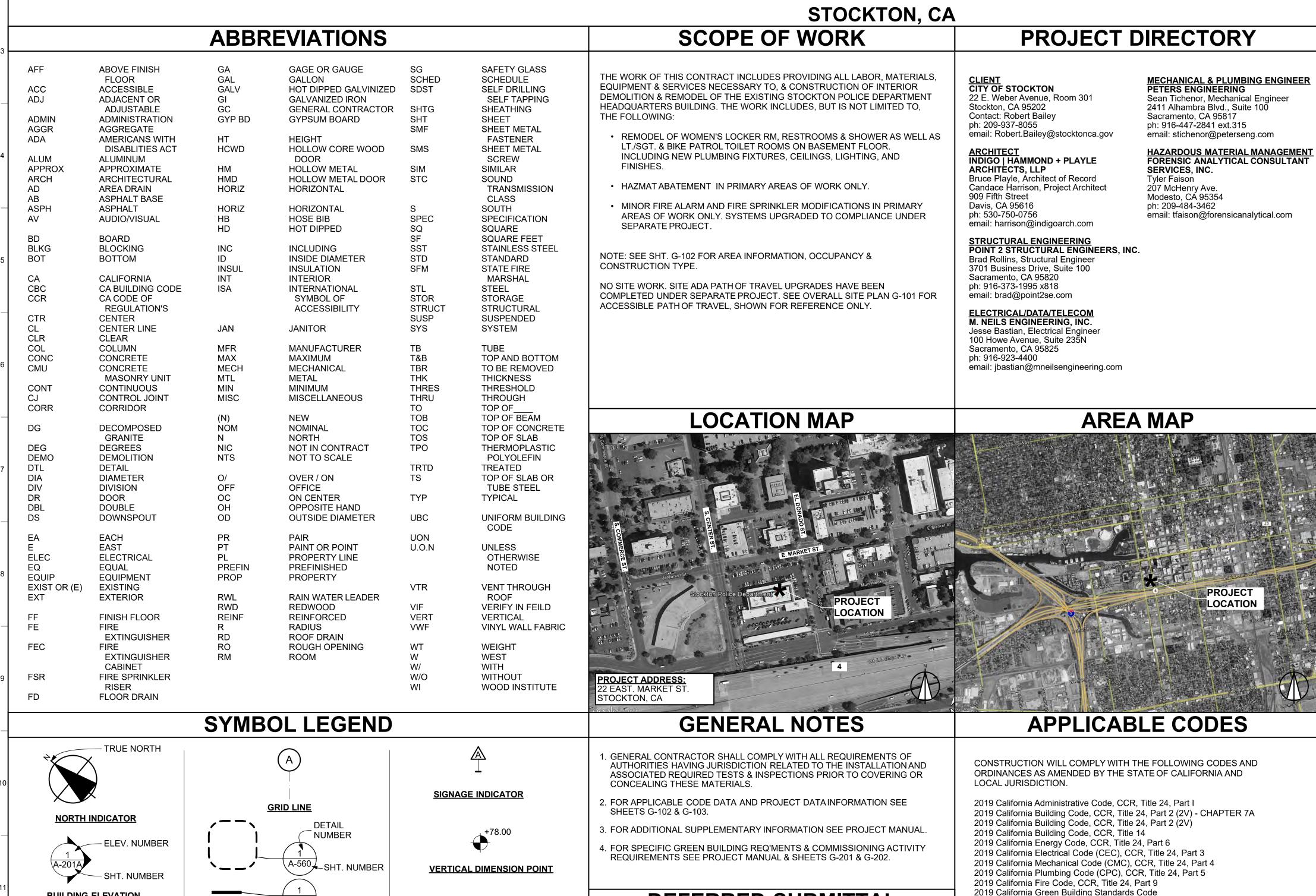
# STOCKTON POLICE HQ WOMEN'S LOCKER RM REMODEL

CITY PROJECT NO. P015035-A

22 EAST MARKET STREET



0.00

**DATUM POINT** 

**DOOR OPENING INDICATOR** 

**DEFERRED SUBMITTAL** 

CONTRACTOR & REQUIRE OUTSIDE ENGINEERING & SEPARATE SUBMITTALS

TO THE BUILDING DEPARTMENT FOR REVIEW & PERMITTING. SUBMIT ITEMS TO

THE ARCHITECT FOR REVIEW & APPROVAL PRIOR TO CITY REVIEW. PER CITY

THE FOLLOWING ARE DESIGN-BUILD ITEMS TO BE PROVIDED BY THE

OF STOCKTON MUNICIPAL CODE TITLE 15.

3. FIRE ALARM SYSTEM (NFPA 72 2019)

4. FIRE SPRINKLER SYSTEM (NFPA 13 2019)

2. HAZMAT ABATEMENT PLAN

1. WASTE MANAGEMENT PLAN (2016 CalGreen)

2019 California Referenced Standards, CCR, Title 24, Part 12

2018 Stockton Municipal Code

2019 Title 19 CCR, Public Safety, State Fire Marshal Regulations

**BUILDING ELEVATION** 

**INDICATOR** 

**BUILDING SECTION** 

INDICATOR

**SECTION** 

NUMBER

SHT. NUMBER

**DETAIL INDICATORS** 

**INTERIOR ELEVATION** 

**ELEVATION** 

SHEET NUMBER

NUMBER





Consultant

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**GENERAL** 

**COVER SHEET** 

TYPICAL NOTES

TYPICAL DETAILS

OVERALL SITE PLAN

FIRE & LIFE SAFETY PLAN - BASEMENT

ACCESSIBILITY DETAILS & SIGNAGE

**BASEMENT & FOUNDATION PLAN** 

**ENLARGED DEMO FLOOR PLANS** 

**ENLARGED NEW FLOOR PLANS** 

**BUILDING SECTIONS** 

INTERIOR DETAILS

SYMBOLS & NOTES

**WALL TYPES** 

FIRE & LIFE SAFETY PLAN - FIRST FLOOR

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CALGREEN NON-RESIDENTIAL CHECKLIST 2

NON STRUCTURAL METAL STUD WALL DETAILS

OVERALL DEMOLITION BASEMENT FLOOR PLAN

ENLARGED DEMO REFLECTED CEILING PLANS

INTERIOR ELEVATIONS - WOMEN'S LOCKER RM

ENLARGED NEW REFLECTED CEILING PLANS

OVERALL NEW BASEMENT FLOOR PLAN

**ENLARGED FINISH FLOOR & SLAB PLAN** 

**INTERIOR ELEVATIONS - TOILET 4 & 18** 

**OVERALL FLOOR PLAN - DEMOLITION** 

ENLARGED FLOOR PLAN - DEMOLITION

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ENLARGED FLOOR PLAN -MECHANICAL

SYMBOLS & NOTES OVERALL FLOOR PLANS - DEMO & NEW

**ELECTRICAL SHEET INDEX & NOTES** 

OVERALL BASEMENT FLOOR PLAN - ELECTRICAL

TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

TITLE 24 INDOOR LIGHTING COMPLIANCE FORMS

**ENLARGED TOILET 4 & TOILET 18** 

ELECTRICAL DETAILS

ENLARGED WOMEN'S LOCKER SHOWER AND RESTROOM

BASEMENT FLOOR PLANS - DEMOLITION & REMODEL ELECTRICAL

PARTIAL ONE-LINE POWER DIAGRAM AND PANEL SCHEDULE

**TYPICAL WALL & CEILING DETAILS** 

G-001

A-402

**ELECTRICAL** 

E-3.1

E-4.1

Agency Approvals

City Approvals

Police Department

Police Chief, Stockton, CA

**Public Works Department** 

City Engineer, Stockton, CA

Issue: 100% CONSTRUCTION DOCUMENTS

Description

STOCKTON **POLICE HQ WOMEN'S LOCKER RM** REMODEL

01/20/22

Sheet Title

Sheet Number

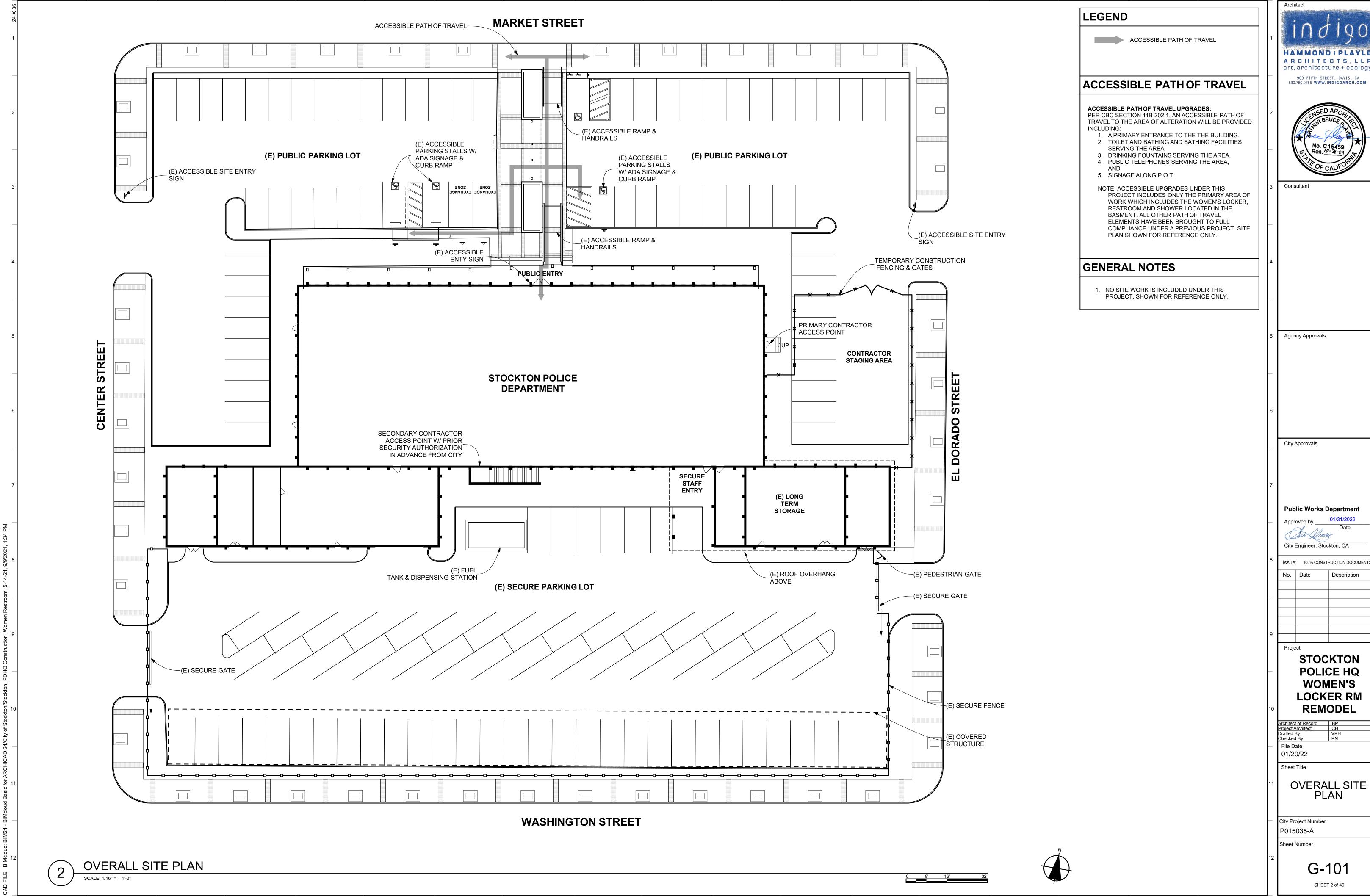
**COVER SHEET** 

City Project Number P015035-A

G-001

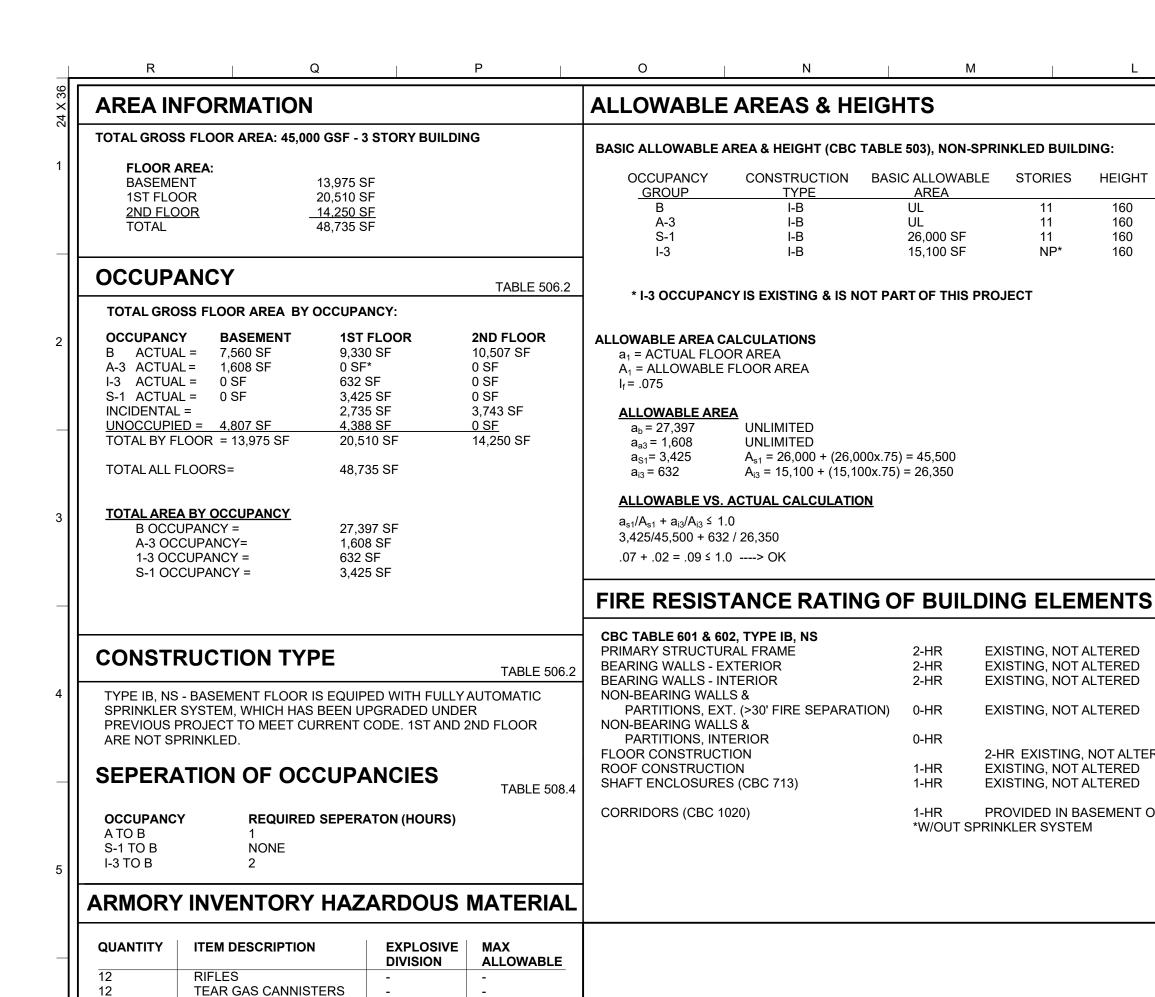
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THE PROJECT PROVIDES THE MINIMUM NUMBERS OF TOILETS, URINALS AND LAVATORIES PER CPC TABLE A AND TABLE 422.1 AS SHOWN BELOW. THE TOTAL NUMBER OF OCCUPANTS CALCULATED BY TABLE A IS SPLIT 50% MALE, 50% FEMALE.

PLUMBING FIXTURE REQUIREMENTS

NOTE: ACCESSORY( RESTROOMS, HALLWAYS, UTILITY ROOMS, ETC). HAVE BEEN EXCLUDED FROM SQUARE FOOTAGE USED FOR OCCUPANCY CALCULATION USED FOR PLUMBING FIXTURE COUNT PER CPC TABLE A. NOTE: LOCKER ROOMS HAVE BEEN FRAMED AS GROUP B

**WHOLE BUILDING** GROUP A: 1,040 SF @ 30 OCCUPANT LOAD FACTOR

\* PLUS ONE FOR ALL-GENDER FIXTURES

\*\* 1 HI-LO PROVIDED + 2 BOTTLE FILLING STATIONS

AREA

26,000 SF

15,100 SF

2-HR

2-HR

2-HR

1-HR

160

160

EXISTING, NOT ALTERED

\*W/OUT SPRINKLER SYSTEM

2-HR EXISTING, NOT ALTERED

PROVIDED IN BASEMENT ONLY

= 34 OCCUPANTS (17 MALE / 17 FEMALE)

GROUP B: 25,010 @ 200 OCCUPANT LOAD FACTOR = 125 OCCUPANTS (63 MALE / 63 FEMALE) = 1 OCCUPANTS (1 MALE / 1 FEMALE)

GROUP S: 3,772 SF @ 5,000 OCCUPANT LOAD FACTOR

BASED ON ARE AS FOL		CUPANTS, THE	CALCULATIO	N OF PLUMBIN	G FIXTURES	S PER CPC TABLE 422
<b>GROUP A-3</b>	FIXTURES REQ	UIREMENTS				
WATER CLC	OSETS	URINAL	LAVS		D.F.	OTHER
MALE	FEMALE	MALE	MALE	FEMALE		
1	1	1	1	1	1	1 SERVICE SINK
GROUP B F	IXTURE REQUIR	EMENTS				
WATER CLC	OSETS	URINAL	LAVS		D.F.	OTHER
MALE	FEMALE	MALE	MALE	FEMALE		
2	4	1	1	2	1	1 SERVICE SINK
GROUP S F	IXTURE REQUIR	EMENT				
WATER CLC	SETS	URINAL	LAVS		D.F.	OTHER
MALE	FEMALE	MALE	MALE	FEMALE		
1	1	1	1	1	1	1 SERVICE SINK
ΤΟΤΔΙ ΕΙΧΤ	URES REQUIRE	n				
WATER CLC		URINAL	LAVS		D.F.	OTHER
MALE	FEMALE	MALE	MALE	FEMALE		
4	6	3	3	1	3	3 SERVICE SINK
<b>TOTAL FIXT</b>	<b>URES PROVIDE</b>	D				
WATER CLC	<u>SETS</u>	URINAL	LAVS		D.F.	OTHER
MALE	FEMALE	MALE	MALE	FEMALE		
12*	7	8	14*	8	3**	3

A-3 OCCUPANCY, ACCESSORY TO MAIN

**B OCCUPANCY** 

INCIDENTAL USE AREA \* PER CBC 509 1-HR. SEPARATION OR AUTOMATIC FIRE SPRINKLER SYSTEM

**LEGEND** 

OCCUPANCY, ACCESSORY STORAGE SPACE \* CLASSIFIED AS PART OF B OCCUPANCY PER CBC 311.1.1

1 OCCUPANCY

\* NON-SEPARATED OCCUPANCY TO B I-3 OCCUPANCY, CONDITION 6 (NOT ALTERED

JNOCCUPIED SPACE (I.E. EQUIPMENT ROOMS, MECH. ROOMS, ETC.)

UNDER THE SCOPE OF THIS PROJECT)

43 COMBINED OCCUPANT LOAD INDIVIDUAL ROOM OCCUPANT LOAD

1-HR. RATED CORRIDOR CONSTRUCTION

— — → OCCUPANT EGRESS PATH

EXIT ACCESS TRAVEL DISTANCE

(E) CONTROL AREA (CBC 307.2) STORING EXPLOSIVES LESS THAN MAXIMUM PER CBC TABLE 307.1 (1)) & CONSTRUCTED WITH 1-HR FIRE BARRIER WALLS PER CBC 707.3.8 & 414.2.4). NOTE THE FOLLOWING:

- \* SEE HAZARDOUS MATERIALS INVENTORY FOR ARMORY, SHT. G-102.
- \* WALLS SURROUNDING ARMORY ARE FULLY-GROUTED CMU WALLS CONTINUOUS TO UNDERSIDE OF STRUCTURE FOR GREATER THEN 1-HR CONSTRUCTION.
- \* DOOR & FRAME INTO ARMORY IS 20 MIN. DOOR & FRAME

**EXISTING STAIR:** PER CBC CA PART 10, SECTION 403, EXCEPTION 1 EXISTING STAIRS SHALL NOT BE REQUIRED TO COMPLY WITH THE REQUIREMENTS OF CBC

**EXISTING BUILDING ALTERATION NOTES** 

SECTION 1011 WHERE THE EXISTING SPACE AND CONSTRUCTION DOES NOT ALLOW A REDUCTION IN PITCH OR SLOPE. 2. EXISTING HANDRAILS: PER CBC CA PART 10, SECTION 403, EXCEPTION 2 EXISTING HANDRAILS OTHERWISE REQUIRED TO COMPLY WITH SECTION 1011.11 OF THE CBC SHALL NOT BE REQUIRED TO COMPLY WITH THE REQIUREMENTS OF SECTION

1014.6 REGARDING FULL EXTENSION OF THE HANDRAILS WHERE SUCH EXTENSIONS WOULD BE HAZARDOUS DUE TO PLAN CONFIGURATION. **EXISTING MATERIALS: PER CBC CA PART 10, SECTION 401.2.1, MATERIALS ALREADY** IN USE IN COMPLIANCE WITH REQUIREMENTS OR APPROVALS IN EFFECT AT THE TIME OF THEIR ERECTION OR INSTALLATION SHALL BE PERMITTED TO REMAIN IN

USE UNLESS DETERMINED BY THE BUILDING OFFICIAL TO BE UNSAFE. 4. **ELEVATOR:** THE EXISTING ELEVATOR HAS BEEN REVIEWED FOR COMPLIANCE WITH CBC SECTION 11B-407. UNDER 11B-407.4.1, EXCEPTION IN EXISTING BUILDINGS WHERE SHAFT CONFIGURATION PROHIBITS STRICT COMPLIANCE WITH SECTION 11B-407.4.1. REDUCED CLEARANCES MAY BE PERMITTED AS OUTLINED UNDER THIS EXCEPTION. IF THE EXISTING ELEVATOR CANNOT COMPLY DUE TO EXISTING SHAFT CONSTRAINTS, UPGRADES MAY BE TECHNICALLY INFEASIBLE PER 11B-202.3 EXCEPTION 2. UNDER THIS CASE, ALL OTHER ELEVATOR COMPONANTS SHALL BE MADE TO COMPLY TO THE MAXIMUM EXTENT POSSIBLE (INCLUDING CALL BUTTONS SIGNAGE, ETC.). AFTER THOROUGH REVIEW OF EXISTING CONDITIONS IT HAS BEEN DETERMINED THAT A FULL ELEVATOR MODERNIZATION IS REQUIRED TO BRING ELEVATOR TO FIRE LIFE SAFETY COMPLIANCE. ADDING RECALL FEATURE ONLY TO EXISTING ELEVATOR WAS EXPLORED AS A TEMPORARY MEASURE TO IMPROVE LIFE SAFETY; HOWEVER, IT WAS DETERMINED THE EXISTING EQUIPMENT IS TOO OLD TO PROVIDE THIS FEATURE. THE COST A FULL MODERNIZATION IS GREATER THEN 10% OF THE TOTAL BUDGET ALLOCATED FOR THIS PROJECT. AS A RESULT, THE CITY WILL COMPLETE ELEVATOR MODERNIZATION UNDER SEPERATE PROJECT.

PROJECT HAS RECEIVED A WAIVER FROM FIRE MARSHAL TO DEFER UPGRADE OF ELEVATOR TO FUTURE PROEJCT. UNDER A SEPARATE PROJECT EARLY NOTIFICATION TO THE FIRE ALARM SYSTEM HAS BEEN PROVIDED ON ALL FLOORS AS AN ALTERNATIVE TO ELEVATOR UPGRADE.

#### **ESSENTIAL SERVICES BUILDING NOTES**

- 1. NO CHANGE IN USE OR INCREASE TO THE LATERAL SYSTEM IS BEING MADE
- UNDER THE SCOPE OF THIS PROJECT. 2. UNDER THE CALIFORNIA ADMINSTRATIVE CODE, CHAPTER 4, EXISTING BUILDINGS HOUSING ESSENTIAL SERVICES FACILITIES OWNED OR LEASED BY THE STATE, A CITY, A CITY AND COUNTY OR A COUNTY PRIOR TO THE EFFECTIVE DATE OF THE ESSENTIAL SERVICES BUILDINGS SEISMIC SAFETY ACT OF 1986 ARE EXEMPT FROM THESE REGULATIONS EXCEPT FOR THE INSTALLATION OF NEW OR REPLACMENT EQUIPMENT.
- UNDER THE CALIFORNIA BUILDING CODE, NO UPGRADES ARE REQUIRED TO BRING THE EXISTING BUILDING UP TO FULL COMPLIANCE FOR AN ESSENTIAL SERVICES BUILDING.

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Consultant

Agency Approvals

City Approvals

**Public Works Department** Approved by \_\_\_

Issue: 100% CONSTRUCTION DOCUMENTS

City Engineer, Stockton, CA

Project

**STOCKTON POLICE HQ WOMEN'S LOCKER RM** REMODEL

File Date 01/20/22

Sheet Title

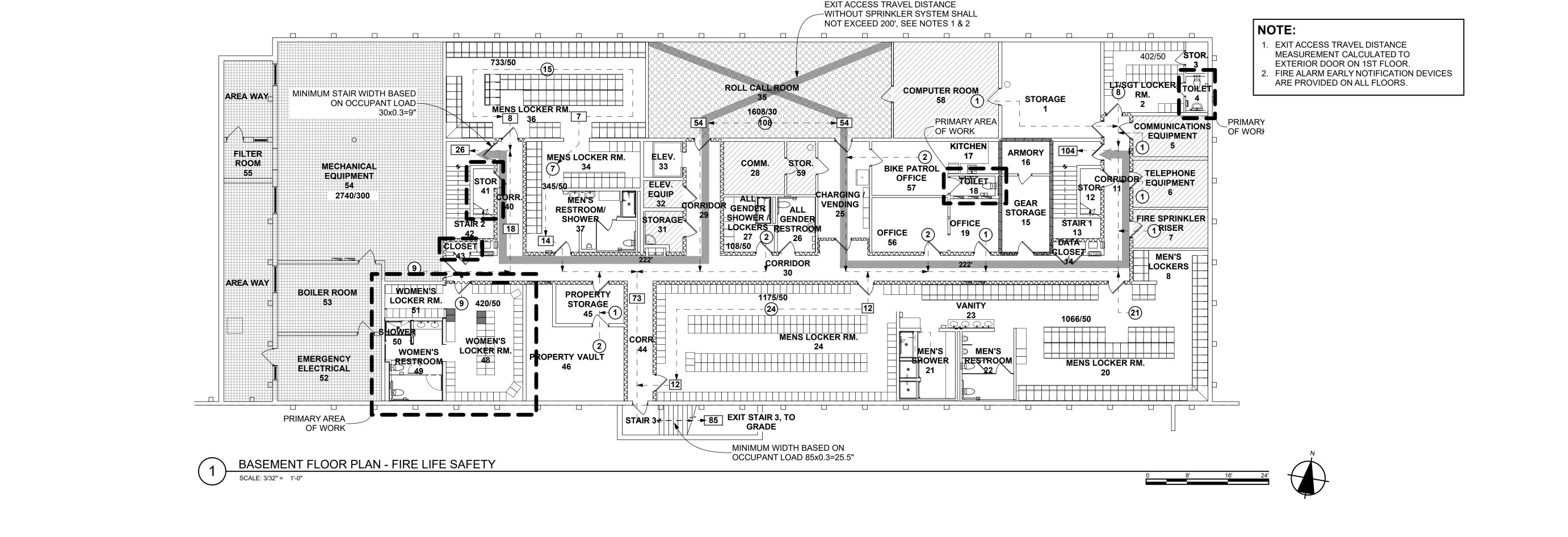
FIRE & LIFE SAFETY PLAN BASEMENT

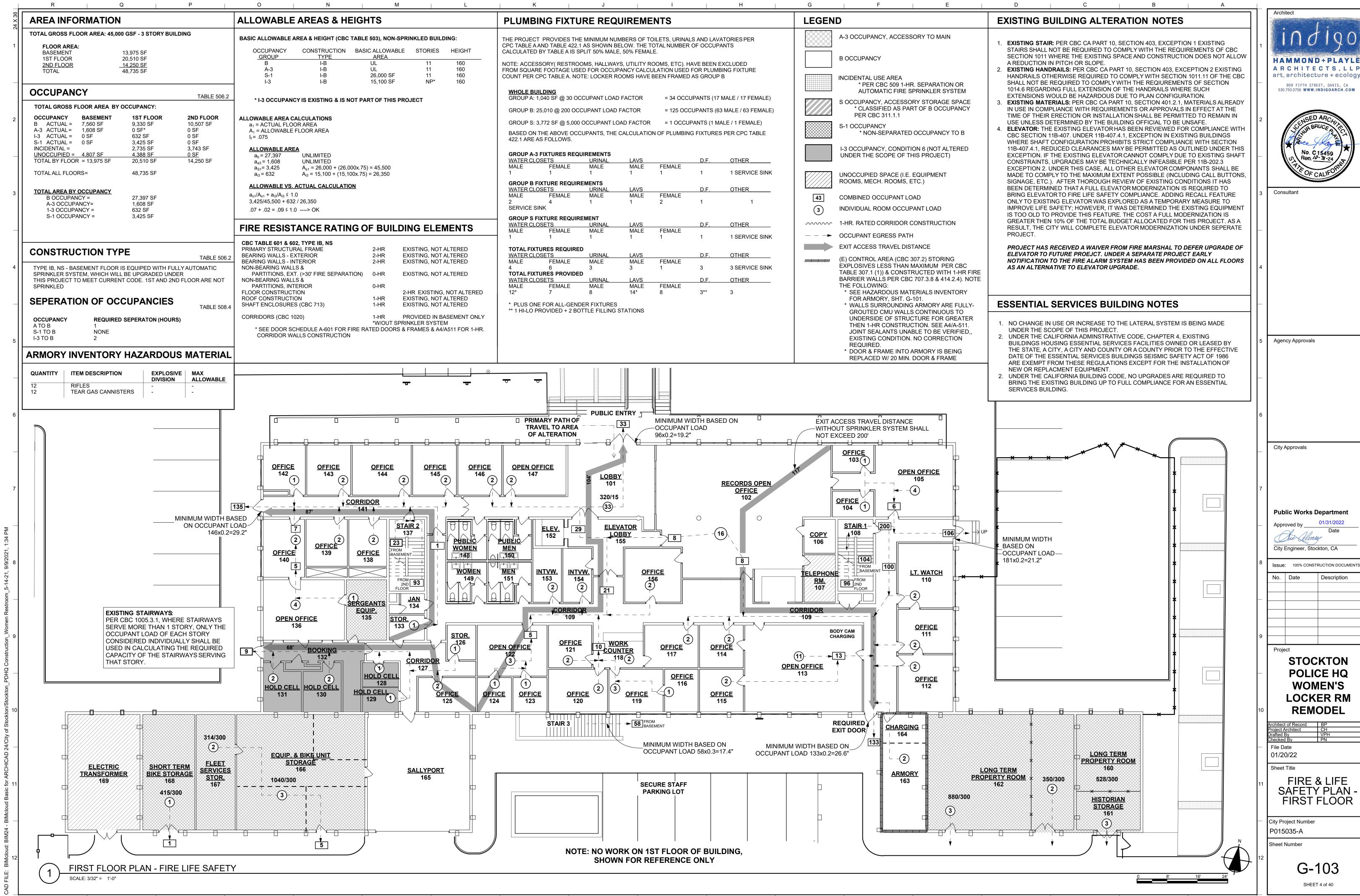
City Project Number

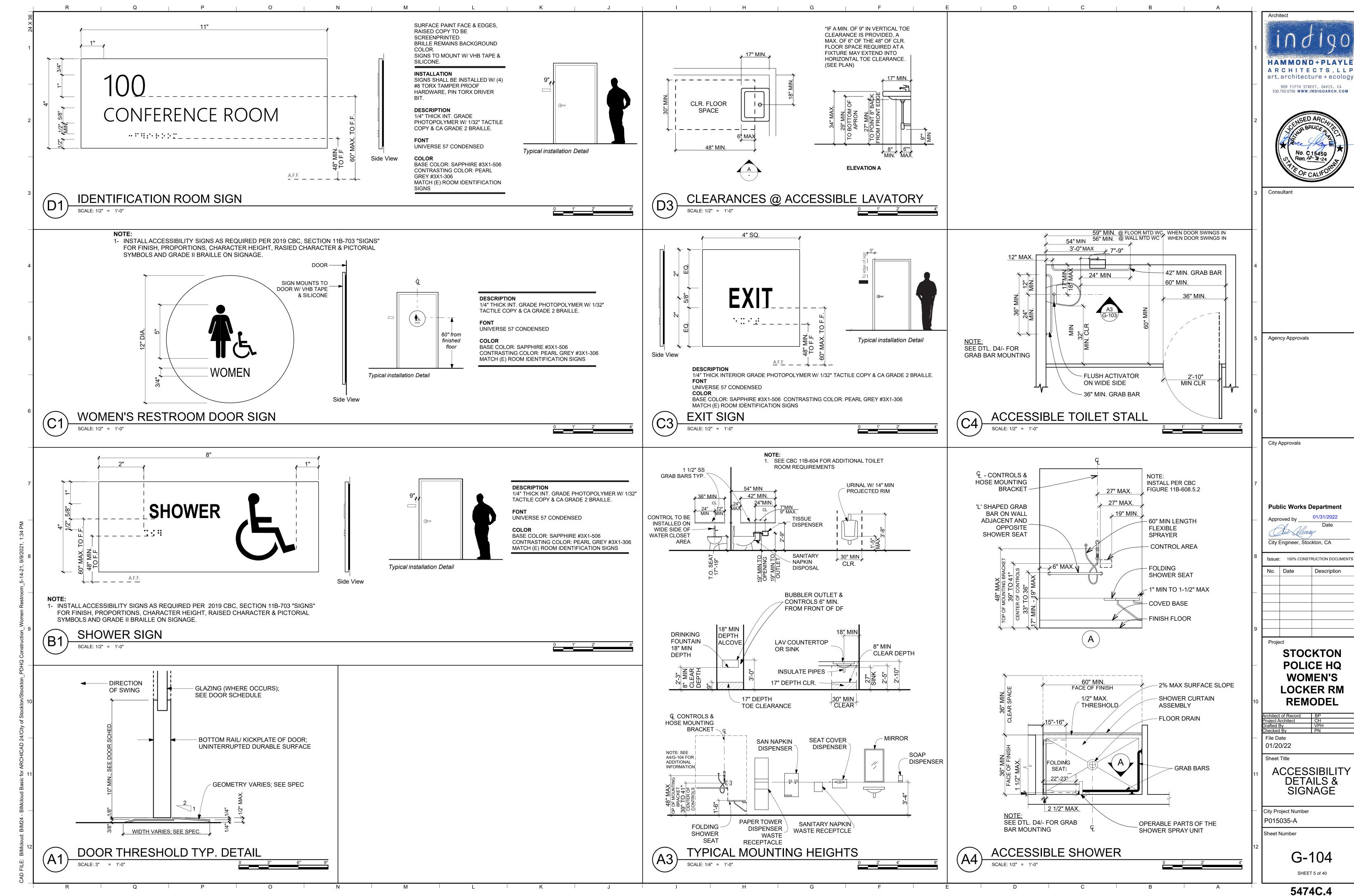
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where applicable.

**SIGNOFF** 

SECTION 5.504 POLLUTANT CONTROL 5.504.1.3 Temporary ventilation. The permanent HVAC system shall only be used during construction if necessary to condition the building or areas of addition or alteration within the required temperature range for material and equipment installation. If the HVAC system is used during construction, use return air filters with a Minimum Efficiency Reporting Value (MERV) of 8, based on ASHRAE 52.2-1999, or an average efficiency of 30% based on ASHRAE 52.1-1992 Replace all filters immediately prior to occupancy, or, if the building is occupied during alteration, at the conclusion of construction. 5.504.3 Covering of duct openings and protection of mechanical equipment during construction. At the time of rough installation, or during storage on the construction site and 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 collect in the system. 5.504.4 Finish material pollutant control. Finish materials shall comply with Sections 5.504.4.1 through 5.504.4.4.

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

Less Water and Less Exempt Compounds in Grams pe	er Liter
ARCHITECTURAL APPLICATIONS	CURRENT VOC LIMIT
INDOOR CARPET ADHESIVES	50
CARPET PAD ADHESIVES	50
OUTDOOR CARPET ADHESIVES	150
WOOD FLOORING ADHESIVES	100
RUBBER FLOOR ADHESIVES	60
SUBFLOOR ADHESIVES	50
CERAMIC TILE ADHESIVES	65
VCT & ASPHALT TILE ADHESIVES	50
DRYWALL & PANEL ADHESIVES	50
COVE BASE ADHESIVES	50
MULTIPURPOSE CONSTRUCTION ADHESIVES	70
STRUCTURAL GLAZING ADHESIVES	100
SINGLE-PLY ROOF MEMBRANE ADHESIVES	250
OTHER ADHESIVES NOT SPECIFICALLY LISTED	50
SPECIALTY APPLICATIONS	
PVC WELDING	510
CPVC WELDING	490
ABS WELDING	325
PLASTIC CEMENT WELDING	250
ADHESIVE PRIMER FOR PLASTIC	550
CONTACT ADHESIVE	80
SPECIAL PURPOSE CONTACT ADHESIVE	250
STRUCTURAL WOOD MEMBER ADHESIVE	140
TOP & TRIM ADHESIVE	250
SUBSTRATE SPECIFIC APPLICATIONS	
METAL TO METAL	30
PLASTIC FOAMS	50
POROUS MATERIAL (EXCEPT WOOD)	50
WOOD	30
FIBERGLASS	80

1. IF AN ADHESIVE IS USED TO BOND DISSIMILAR SUBSTRATES TOGETHER, THE ADHESIVE WITH THE HIGHEST VOC CONTENT SHALL BE ALLOWED.

2. FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THIS TABLE, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168, www.arb.ca.gov/DRDB/SC/CURHTML/R1168.PDF

TABLE 5.504.4.2 - SEALANT VO	CLIMIT			
Less Water and Less Exempt Compounds in	Less Water and Less Exempt Compounds in Grams per Liter			
SEALANTS	CURRENT VOC LIMIT			
ARCHITECTURAL	250			
MARINE DECK	760			
NONMEMBRANE ROOF	300			
ROADWAY	250			
SINGLE-PLY ROOF MEMBRANE	450			
OTHER	420			
SEALANT PRIMERS				
ARCHITECTURAL				
NONPOROUS	250			
POROUS	775			
MODIFIED BITUMINOUS	500			
MARINE DECK	760			
OTHER	750			

NOTE: FOR ADDITIONAL INFORMATION REGARDING METHODS TO MEASURE THE VOC CONTENT SPECIFIED IN THESE TABLES, SEE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT RULE 1168.

**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.

**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

COATINGS<sub>2,3</sub> GRAMS OF VOC PER LITER OF COATING, LESS WATER & LESS EXEMPT COMPOUNDS COATING CATEGORY **CURRENT VOC LIMIT** FLAT COATINGS 50 NONFLAT COATINGS 100 NONFLAT HIGH GLOSS COATINGS 150 **SPECIALTY COATINGS ALUMINUM ROOF COATINGS** 400 BASEMENT SPECIALTY COATINGS 400 BITUMINOUS ROOF COATINGS 50 BITUMINOUS ROOF PRIMERS 350 BOND BREAKERS 350 CONCRETE CURING COMPOUNDS 350 100 CONCRETE/MASONRY SEALERS DRIVEWAY SEALERS 50 DRY FOG COATINGS 150 FAUX FINISHING COATINGS 350 FIRE RESISTIVE COATINGS 350 FLOOR COATINGS 100 FORM-RELEASE COMPOUNDS 250 **GRAPHIC ARTS COATINGS (SIGN PAINTS)** 500 HIGH-TEMPERATURE COATINGS 420 INDUSTRIAL MAINTENANCE COATINGS 250 LOW SOLIDS COATINGS 1 120 MAGNESITE CEMENT COATINGS 450 MASTIC TEXTURE COATINGS 100 METALLIC PIGMENTED COATINGS 500 MULTICOLOR COATINGS 250 PRETREATMENT WASH PRIMERS 420 PRIMERS, SEALERS, & UNDERCOATERS 100 350 REACTIVE PENETRATING SEALERS RECYCLED COATINGS 250 ROOF COATINGS 50 RUST PREVENTATIVE COATINGS 250 SHELLACS: CLEAR 730 **OPAQUE** 550 SPECIALTY PRIMERS, SEALERS & UNDERCOATERS 100 STAINS 250 STONE CONSOLIDANTS 450 SWIMMING POOL COATINGS TRAFFIC MARKING COATINGS 100 TUB & TILE REFINISH COATINGS 420 WATERPROOFING MEMBRANES WOOD COATINGS 275 WOOD PRESERVATIVES 350

TABLE 5.504.4.3 - VOC CONTENT LIMITS FOR ARCHITECTURAL

SIGNOFF

1. GRAMS OF VOC PER LITER OF COATING, INCLUDING WATER & EXEMPT COMPOUNDS 2. THE SPECIFIED LIMITS REMAIN IN EFFECT UNLESS REVISED LIMITS ARE LISTED IN SUBSEQUENT COLUMNS IN

3. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY THE CALIFORNIA AIR RESOURCES BOARD, ARCHITECTURAL COATINGS SUGGESTED CONTROL MEASURE, FEB. 1, 2008. MORE INFORMATION IS AVAILABLE

FROM THE AIR RESOURCES BOARD **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:

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Manufacturer's product specification 2. Field verification of on-site product containers

ZINC-RICH PRIMERS

**5.504.4.4 Carpet Systems.** All carpet installed in the building interior shall meet at least one of the testing and

Carpet and Rug Institute's Green Label Plus Program. 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, Version 1.1, February 2010 (also known as CDPH Standard Method V1.1 or Specification 01350). 3. NSF/ANSI 140 at the Gold level or higher;

Scientific Certifications Systems Sustainable Choice; or 5. Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria

Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database.

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 Green Label program.

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

**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 buildings shall meet the requirements for formaldehyde as specified in ARB's Air Toxics Control Measure for Composite Wood (17 CCR 93120 et seq.). Those materials not exempted under the ATCM must meet the specified emission limits, as shown in Table

**5.504.4.5.3 Documentation.** Verification of compliance with this section shall be provided as requested by the enforcing agency. Documentation shall include at least one of the following: Product certifications and specifications.

Chain of custody certifications.

Product labeled and invoiced as meeting the Composite Wood Products regulation (see CCR. Title 17. Section 93120, et seq.).

4. Exterior grade products marked as meeting the PS-1 or PS-2 standards of the Engineered

Wood Association, the Australian AS/NZS 2269 or European 636 3S standards.

5. Other methods acceptable to the enforcing agency.	•	
TABLE 5.504.4.5 - FORMALDEHYDE LIMITS 1		
MAXIMUM FORMALDEHYDE EMISSIONS IN PARTS PER MI	ILLION	
PRODUCT	CURRENT LIMIT	
HARDWOOD PLYWOOD VENEER CORE	0.05	
HARDWOOD PLYWOOD COMPOSITE CORE 0.05		
PARTICLE BOARD	0.09	
MEDIUM DENSITY FIBERBOARD 0.11		
THIN MEDIUM DENSITY FIBERBOARD 2 0.13		
1. VALUES IN THIS TABLE ARE DERIVED FROM THOSE SPECIFIED BY	Y THE CALIFORNIA AIR RESOURCES	

AIR TOXICS CONTROL MEASURE FOR COMPOSITE WOOD AS TESTED IN ACCORDANCE WITH ASTM E 1333. FOR ADDITIONAL INFORMATION, SEE CALIFORNIA CODE OF REGULATIONS, TITLE 17, SECTIONS 93120 THROUGH 2. THIN MEDIUM DENSITY FIBERBOARD HAS A MAXIMUM THICKNESS OF 5/16 INCHES (8 MM).

SIGNOFF **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;

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

Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ 2.2 dated July 2012 and listed in the CHPS High Performance Product Database; or 4. Compliant with CDPH criteria as certified under the Greenguard Children's & Schools Program.

**5.504.4.6.1 Verification of compliance.** Documentation shall be provided verifying that resilient flooring materials meet the pollutant emission limits.

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 that provides at least a Minimum Efficiency Reporting Value (MERV) of 8. MERV 8 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.

1. An ASHRAE 10% to 15% efficiency filter shall be permitted for an HVAC unit meeting the 2013 California Energy Code having 60,000 Btu/h or less capacity per fan coil, if the energy use of the air delivery system is 0.4 W/cfm or less at design air flow. 2. Existing mechanical equipment.

5.504.7 ENVIRONMENTAL TOBACCO SMOKE (ETS) CONTROL. Where outdoor areas are provided for smoking, prohibit smoking within 25 feet of building entries, outdoor air intakes and operable windows and within the building as already prohibited by other laws or regulations; or as enforced by ordinances, regulations or policies of any city, county, city and county, California Community College, campus of the California State University, or campus of the University of California, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions.

SECTION 5.505 INDOOR MOISTURE CONTROL 5.505.1 INDOOR MOISTURE CONTROL. Buildings shall meet or exceed the provisions of California Building Code,

CCR, Title 24, Part 2, Sections 1203 (Ventilation) and Chapter 14 (Exterior Walls). For additional measures not applicable to low-rise residential occupancies, see Section 5.407.2 of this code.

SECTION 5.506 INDOOR AIR QUALITY

5.506.1 OUTSIDE AIR DELIVERY. For mechanically or naturally ventilated spaces in buildings, meet the minimum requirements of Section 121 (Requirements For Ventilation) of the 2010 California Energy Code, or the applicable local code, whichever is more stringent, and Division 1, Chapter 4 of CCR, Title 8,

5.506.2 CARBON DIOXIDE (CO<sub>2</sub>) MONITORING. For buildings or additions equipped with demand control ventilation, CO<sub>2</sub> sensors and ventilation controls shall be specified and installed in accordance with the requirements of the 2013 California Energy Code, Section 120(c)(4).

SECTION 5.507 ENVIRONMENTAL COMFORT 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

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

5.507.4.1 Exterior 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:

Within the 65 CNEL noise contour of an airport.

1. Ldn or CNEL for military airports shall be determined by the facility Air Installation Compatible Land Use Zone (AICUZ) plan. 2. L<sub>dn</sub> 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 Ldn noise contour of a freeway or expressway, railroad, industrial source or fixed-guideway source as determined by the Noise Element of the General Plan.

**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 (Leq-1Hr) of 50 dBA in occupied areas during any hour of operation.

5.507.4.2.1 Site Features. Exterior features such as sound walls or earth berms may be utilized as appropriate to the building, addition or alteration project to mitigate sound migration to the interior. **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. **5.507.4.3 Interior sound.** 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 ratings may be found at the California Office of Noise Control: www.toolbase.org/PDF/CaseStudies/stc\_icc\_ratings.pdf.

**CHAPTER 7** 

# **INSTALLER & SPECIAL INSPECTOR QUALIFICATIONS 702 QUALIFICATIONS**

702.1 INSTALLER TRAINING. HVAC system installers shall be trained and certified in the proper installation of HVAC systems including ducts and equipment by a nationally or regionally recognized training or certification program. Uncertified persons may perform HVAC installations when under the direct supervision and responsibility of a person trained and certified to install HVAC systems or contractor licensed to install HVAC systems. Examples of acceptable HVAC training and certification programs include but are not limited to the following:

State certified apprenticeship programs. Public utility training programs. 3. Training programs sponsored by trade, labor or statewide energy consulting or verification

4. Programs sponsored by manufacturing organizations.

5. Other programs acceptable to the enforcing agency.

**702.2 SPECIAL INSPECTION [HCD].** When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition to other certifications or qualifications acceptable to the enforcing agency, the following certifications or education may be considered by the enforcing agency when evaluating the qualifications of a special inspector:

Certification by a national or regional green building program or standard publisher.

Certification by a statewide energy consulting or verification organization, such as HERS raters, building performance contractors, and home energy auditors.

Successful completion of a third party apprentice training program in the appropriate trade. 4. Other programs acceptable to the enforcing agency.

1. Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code. 2. HERS raters are special inspectors certified by the California Energy Commission (CEC) to rate homes in California according to the Home Energy Rating System (HERS).

[BSC] When required by the enforcing agency, the owner or the responsible entity acting as the owner's agent shall employ one or more special inspectors to provide inspection or other duties necessary to substantiate compliance with this code. Special inspectors shall demonstrate competence to the satisfaction of the enforcing agency for the particular type of inspection or task to be performed. In addition, the special inspector shall have a certification from a recognized state, national or international association, as determined by the local agency. The area of certification shall be closely related to the primary job function, as determined by the local agency.

**Note:** Special inspectors shall be independent entities with no financial interest in the materials or the project they are inspecting for compliance with this code.

**703 VERIFICATIONS** 

**703.1 DOCUMENTATION.** Documentation used to show compliance with this code shall include but is not limited to, construction documents, plans, specifications, builder or installer certification, inspection reports, or other methods acceptable to the enforcing agency which demonstrate substantial conformance. When specific documentation or special inspection is necessary to verify compliance, that method of compliance will be specified in the appropriate section or identified applicable checklist.

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Consultant

Agency Approvals

City Approvals

**Public Works Department** 

01/31/2022 Approved by \_\_\_ City Engineer, Stockton, CA

Issue: 100% CONSTRUCTION DOCUMENTS

No. Date Description

Project

STOCKTON **POLICE HQ WOMEN'S LOCKER RM** REMODEL

rchitect of Record	BP
Project Architect	CH
Drafted By	VPH
Checked By	PN
File Date	
04/00/00	

01/20/22 Sheet Title

CALGREEN NON-CHECKLIST 2

City Project Number

P015035-A Sheet Number

## EXPANSION ANCHOR

#### **\$ ADHESIVE ANCHOR NOTES**

- WHERE "EPOXY" OR "EXPANSION" ANCHORS ARE INDICATED IN DRAWINGS THESE NOTES & SCHEDULE A B C SHALL APPLY. \si.o/\si.o/\si.o/
- 2. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE RECOMMENDATIONS GIVEN IN THE ICC REPORT.
- 3. PERIODIC SPECIAL INSPECTION IS REQUIRED, UNLESS NOTED OTHERWISE IN THESE DRAWINGS. VERIFICATION OF THE FOLLOWING IS REQUIRED DURING SPECIAL INSPECTION:
- A. ANCHOR TYPE AND DIMENSIONS.
- B. CONCRETE TYPE AND COMPRESSIVE STRENGTH. C. HOLE DIMENSIONS AND HOLE CLEANING PROCEDURES.
- D. ANCHOR SPACING, EDGE DISTANCES, CONCRETE/MASONRY THICKNESS, AND ANCHOR EMBEDMENT DEPTH.
- E. TIGHTENING TORQUE. F. COMPLIANCE WITH MANUFACTURER'S PUBLISHED INSTALLATION INSTRUCTIONS.
- 4. WHEN INSTALLING DRILLED IN ANCHORS IN EXISTING CONCRETE OR MASONRY, USE CARE & CAUTION TO AVOID CUTTING OR DAMAGING EXISTING REINFORCING
- 5. ALL POST INSTALLED EXPANSION & ADHESIVE ANCHORS SHALL BE TENSION TESTED TO THE VALUES GIVEN IN THE SCHEDULE. EXCEPTIONS:
- a. SILL BOLTING APPLICATIONS: 10% OF THE ANCHORS SHALL BE TESTED. b. NON STRUCTURAL APPLICATIONS: 50% OF THE ANCHORS SHALL BE TESTED. IF ANY ANCHOR FAILS TESTING, ALL ANCHORS OF THE SAME TYPE NOT PREVIOUSLY TESTED SHALL BE TESTED UNTIL 20 CONSECUTIVE ANCHORS PASS, THEN RESUME THE INITIAL TESTING FREQUENCY.
- 6. THE TESTING OF THE ANCHORS SHALL BE DONE BY THE TESTING LABORATORY IN THE PRESENCE OF THE PROJECT INSPECTOR & A REPORT OF THE TEST RESULTS SHALL BE SUBMITTED TO THE GOVERNING AGENCY AND ARCHITECT/STRUCTURAL ENGINEER.

## STRUCTURAL ABBREVIATIONS

@ AB AC AFF	AT ANCHOR BOLTS ASPHALTIC CONCRETE ABOVE FINISH FLOOR	LFRS LLH LLV LP	LATERAL FORCE RESISTING SYTEM LONG LEG HORIZONTAL LONG LEG VERTICAL LOW POINT
BN BEV BOC	BOUNDARY NAILING BEVELED BOTTOM OF CONCRETE	L'S LT WT LVL	LAG SCREW LIGHT WEIGHT LAMINATED VENEER LUMBER
BOF	BOTTOM OF FOOTING	MU	MECHANICAL UNIT
CIP	CAST IN PLACE CONSTRUCTION JOINT	NIC NTS NSG	NOT IN CONTRACT NOT TO SCALE NON SHRINK GROUT
CJP CL CMU	COMPLETE JOINT PENETRATION CENTER LINE CONCRETE MASONRY UNIT	OC OD OSB OWSG	ON CENTER OUTSIDE DIAMETER ORIENTED STRAND BOARD OPEN WEB STEEL GIRDER
COL CONC CONN	COLUMN CONCRETE CONNECTION	LEMO	OPEN WEB STEEL JOIST OPPOSITE HAND
CONT DF	CONTINUOUS DOUGLAS FIR	PCC PSF	PRECAST CONCRETE POUNDS PER
(E) EF EW EJ EOS EN	EXISTING EACH FACE EACH WAY EXPANSION JOINT EDGE OF SLAB EDGE NAILING	PSI PT PW	SQUARE FOOT POUNDS PER SQUARE INCH PRESSURE TREATED POINT PLYWOOD
ES	EACH SIDE	R	RADIUS
FA FD FF FLG FN FOC FOM	FRAMING ANCHOR FLOOR DRAIN FINISH FLOOR FLANGE FIELD NAILING FACE OF CONCRETE FACE OF MASONRY FACE OF STUD	SAD SDST SIM SCJ SLH SLV	SEE ARCHITECTURAL DRAWINGS SELF DRILLING SELF TAPPING SIMILAR SLIP CONTROL JOINT SHORT LEG HORIZONTAL SHORT LEG VERTICAL
GLB	GLUE LAMINATED BEAM	SOG SP	SLAB ON GRADE STRUCTURAL
GSM	GALVANIZED SHEET METAL	<b>55</b>	PLYWOOD STAINLESS STEEL
GT	GIRDER TRUSS	T24	TITLE 24 CALIFORNIA
HAS	HEADED ANCHOR STUD	TOC TOF	CODE TOP OF CONCRETE TOP OF FOOTING
HP	HIGH POINT	TOM	TOP OF FRAMING TOP OF MASONRY
HSB	HIGH STRENGTH BOLT	T.O. SLAB TOS	TOP OF SLAB TOP OF STEEL
HSS	HOLLOW STRUCTURAL SECTION	TOM	TOP OF WALL
HT	HIP TRUSS	UNO	UNLESS NOTED OTHERWISE
JT QI	INSIDE DIAMETER  JACK TRUSS	MS MMF	WATER STOP WELDED WIRE FABRIC
		IAI C	

WEAKENED PLANE

# HAMMER DRILLED ADHESIVE ANCHORS

HIT-RE 500-V3 EPOXY ADHESIVE ANCHOR ICC ESR #3814 REISSUED 2021 NORMAL WEIGHT CONCRETE (LIE DOE)

		CONCRETE (145 PCF)			
REBAR/BOLT SIZE	MINIMUM EMBEDMENT*	MINIMUM CONCRETE THICKNESS	MAX EMBEDMENT	MINIMUM SPACING AND EDGE DISTANCE	PULL TEST VALUE AT MIN EMBEDMENT (LBS)
#3 OR 3/8	2 3/8"	3 5/8"	7 1/2"	1 7/8"	1600
#4 OR 1/2	2 3/4"	4"	10"	2 1/2"	2250
#5 OR 5/8	3 1/8"	4 5/8"	12 1/2"	3 1/8"	2900
#6 OR 3/4	3 1/2"	5 1/2"	15"	3 3/4"	3600
#7 OR 7/8	3 1/2"	5 1/2"	17 1/2"	4 3/8"	4000
#8 OR I	4"	6 1/4"	20"	5"	4850

- MINIMUM F'C = 2500 PSI. DESIGN BASED ON CRACKED CONCRETE
- VALUES FOR REBAR. -ASTM A615-GRADE 60 MIN.
- VALUES FOR SINGLE ANCHOR ACTION ONLY. ASSUMES ALL HOLES TO BE DRILLED BY A HAMMER DRILL WITH A CARBIDE BIT.
- \*FOR DEEPER EMBEDMENTS THE MINIMUM MEMBER THICKNESS MUST BE INCREASED BY THE SAME AMOUNT.

#### PULL TEST VALUES FOR EMBEDMENTS GREATER THAN MIN ARE INDICATED IN PLANS.

EXPANSION ANCHORS HILTI KWIK BOLT-TZ 2 NORMAL WEIGHT ICC ESR #4266 CONCRETE (145 PCF)

_					145 [0]
	SIZE	NOMINAL EMBEDMENT	MINIMUM CONCRETE THICKNESS	MINIMUM EDGE DISTANCE	TORQUE TEST VALUE (FT-LBS)
	3/8"	2 1/2"	4"	4 3/8"	30
	1/2"	2 1/2"	4"	5 1/2"	50
	5/8"	3 3/4"	5 1/2"	II I/2"	40
	3/4"	4 1/2"	6"	10"	110

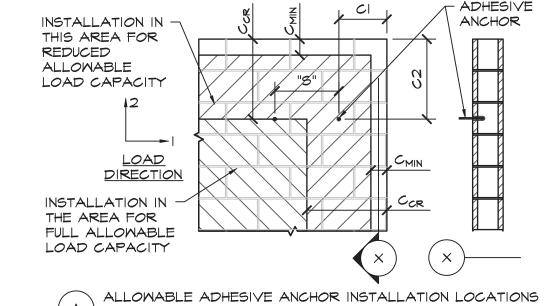
- MINIMUM F'C = 2500 PSI DESIGN BASED ON CRACKED CONCRETE
- VALUES FOR CARBON STEEL BOLT. VALUES FOR SINGLE ANCHOR ACTION ONLY. SPACING BETWEEN ANCHORS IS 12 DIAMETERS OR MORE.

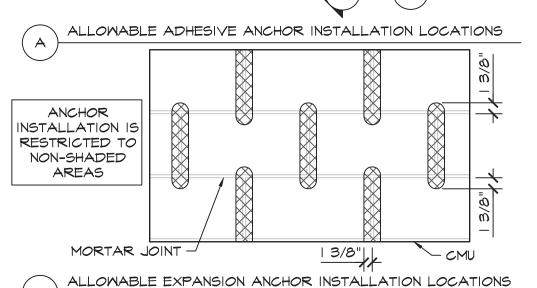
ADHESIVE: HILTI HIT HY 270 ICC-ESR #4143 (01/01/21) EXPANSION, HILTI KWIK BOLT-2 ICC ECD #124E /02/01/21

EXPANSION: HILTI KWIK BOLT-3 ICC-ESR #1385 (02/01/21)						
		EMBED DEPTH e	EDGE DIST	SPACING "S"		
TYPE	DIAMETER		CRIT	MIN	CRIT	MIN
			CCR	C <sub>MIN</sub>	SCR	S <sub>MIN</sub>
	3/8"/#3	3 1/2"	12	4	13 1/2	4
REBAR OR THREADED	1/2"/#4	4 1/2"	20	4	18	4
ROD \$ ADHESIVE	5/8"/#5	5 3/4"	20	4	22 1/2	4
	3/4"/#6	6 3/4"	20	4	27	4
TYPE	TYPE DIAMETER EMBED DEPTH 6		MINIMUM EDGE DISTANCE	MINIMUM SPACING	TOF	LATION RQUE ·LBS)
	1/4"	2"	4	8		4
EXPANSION ANCHOR	3/8"	2 1/2"	4	8		5
	1/2"	3 1/2"	4	8	2	25
	5/8"	4"	4 8		6	55
	3/4"	4 3/8"	4	8	12	20

# <u>NOTES</u>

- MINIMUM F'C = 2000 PSI (GROUT)
- INSTALL IN ACCORDANCE W/ MANUFACTURER & PUBLISHED INSTALLATION INSTRUCTIONS. THREADED ROD: ASTM A36, ASTM A307 OR ASTM AI93 GRADE B7.
- PERIODIC INSPECTION FOR ALL ANCHOR BOLT LOCATIONS, SEE ANCHOR NOTES FOR FURTHER INFORMATION.
- ADHESIVE AND EXPANSION ANCHOR SYSTEM LIMITED TO 8" MINIMUM, FULLY GROUTED CONCRETE MASONRY, INTERIOR EXPOSURE, AND INSTALLATION INTO FACE OF WALL.
- 6. TABLE DOES NOT APPLY FOR TOP OF WALL OR EDGE OF WALL INSTALLATIONS.





# CONCRETE AND REINFORCING STEEL

CONCRETE CONSTRUCTION SHALL CONFORM TO ACI 318-14 AS MODIFIED BY CBC. THE MINIMUM 28 DAY STRENGTH AND TYPE OF CONCRETE SHALL BE AS FOLLOWS:

SLAB ON GRADE 3000 PSI (150 PCF)

- CEMENT SHALL CONFORM TO ASTM C150-12, TYPE I OR II. CONCRETE AGGREGATES:
- NATURAL SAND AND ROCK AGGREGATES SHALL CONFORM TO ASTM C33-I3
- REINFORCING SHALL CONFORM TO ASTM A615 -- GRADE 60. UNO. REINFORCING STEEL SHALL BE DETAILED, FABRICATED AND INSTALLED
- ACCORDING TO "MANUAL OF STANDARD PRACTICE OF REINFORCED CONCRETE CONSTRUCTION" BY THE CONCRETE REINFORCING STEEL INSTITUTE (CRSI). 7. DIMENSIONS SHOWN FOR LOCATION OF REINFORCING ARE TO THE FACE OF MAIN
- BARS AND DENOTE CLEAR COVERAGE. CONCRETE COVERAGE SHALL BE AS FOLLOWS, UNO ON DRAWINGS: CONCRETE DEPOSITED DIRECTLY AGAINST GROUND (EXCEPT SLABS) ..... 3" CONCRETE EXPOSED TO GROUND BUT PLACED IN FORMS ...
- .. POSITION IN CENTER OF SLAB SLABS (ON GROUND) ......
- 8. ALL BARS SHALL HAVE A CLASS B MINIMUM SPLICE LAP UNO. SEE TABLE IN THESE DRAWINGS. GENERAL:
- A. NO PIPES OR DUCTS SHALL BE PLACED IN CONCRETE SLABS OR WALLS UNLESS SPECIFICALLY DETAILED.
- B. REFER TO ARCHITECTURAL, STRUCTURAL, CIVIL, ELECTRICAL AND MECHANICAL DRAWINGS FOR ALL MOULDS, GROOVES, ORNAMENTS, CLIPS AND GROUNDS TO BE CAST IN CONCRETE.
- IO. CONSTRUCTION JOINTS SHALL BE MADE ROUGH AND ALL LAITANCE REMOVED FROM THE SURFACE. CONCRETE MAY BE ROUGHENED BY CHIPPING THE ENTIRE SURFACE, SANDBLASTING OR HOSING THE SURFACE 4 TO 6 HOURS AFTER THE POUR WITH A FINE SPRAY.
- REMOVE ALL DEBRIS FROM THE FORMS BEFORE PLACING ANY CONCRETE. 12. REINFORCING, DOWELS, BOLTS, ANCHORS, SLEEVES, ETC. TO BE EMBEDDED IN
- CONCRETE SHALL BE SECURELY POSITIONED BEFORE PLACING CONCRETE. OBTAIN APPROVAL OF ALL AFFECTED TRADES PRIOR TO PLACING CONCRETE
- 13. NO WOOD SPREADERS ALLOWED. NO WOOD STAKES ALLOWED IN AREAS TO BE COVERED W/ CONC.
- 14. CONCRETE MIX DESIGN SHALL BE PREPARED PER CBC CHAPTER 19 AND REVIEWED BY THE STRUCTURAL ENGINEER AT LEAST 3 WORKING DAYS PRIOR TO
- 15. NOTIFY THE STRUCTURAL ENGINEER 48 HOURS PRIOR TO PLACING CONCRETE.

# CONCRETE MASONRY

- CONCRETE BLOCK UNITS SHALL CONFORM TO ASTM C-90 LIGHTMEIGHT UNITS. COMPRESSIVE STRENGTH OF UNITS TO BE 2000 PSI FOR NET AREA. f'm = 2000 PSI.2. MORTAR SHALL BE CEMENT-LIME TYPE S, WITH 28 DAY COMPRESSIVE
- STRENGTH OF 1800 PSI, AND SPECIFIED PROPERTIES IN ACCORDANCE WITH ASTM C270.
- GROUT SHALL TEST NOT LESS THAN 2000 PSI IN 28 DAYS AND MIXED IN ACCORDANCE WITH ASTM C476.
- REINFORCING STEEL SHALL CONFORM TO ASTM A615-GRADE 60 5. LAP ALL VERTICAL AND HORIZONTAL BARS PER LAP SPLICE SCHEDULE BEFORE BLOCK IS PLACED ON CONCRETE, THOROUGHLY CLEAN CONCRETE OF ALL LAITANCE AND ALL LOOSE MATERIAL. ROUGHEN AS IN A CONCRETE CONST JOINT. CLEAN ALL REINFORCEMENT AND ANCHOR BOLTS OF BOND REDUCING
- MATERIALS. CONCRETE BLOCK MASONRY SHALL BE BUILT TO PRESERVE THE UNOBSTRUCTED VERTICAL CONTINUITY OF THE CELLS. ALL HEAD AND END JOINTS SHALL BE SOLIDLY FILLED WITH MORTAR FOR A DISTANCE, FROM THE FACE OF THE WALL OR UNIT, NOT LESS THAN THE THICKNESS OF THE LONGITUDINAL FACE SHELLS. WALLS AND WEBS SHALL BE FULL BEDDED IN MORTAR. BOND SHALL BE PROVIDED BY LAPPING SUCCESSIVE COURSES OR BY EQUIVALENT MECH
- ANCHORAGE. CLEAN OUT OPENINGS SHALL BE PROVIDED AT THE BOTTOMS OF ALL CELLS TO BE FILLED AT EACH LIFT OR POUR OF GROUT WHERE SUCH LIFT OR POUR OF GROUT IS IN EXCESS OF 5'-4" IN HEIGHT. (HIGH LIFT) ANY OVERHANGING MORTAR OR OTHER OBSTRUCTION OR DEBRIS SHALL BE REMOVED FROM INSIDE OF SUCH CELLS. THE CLEAN OUTS SHALL BE SEALED AFTER INSPECTION AND BEFORE GROUTING. MECHANICALLY VIBRATE ALL GROUT POURS. HIGH LIFT GROUT PROCEDURES MUST BE APPROVED BY STRUCTURAL ENGINEER OF RECORD.
- 9. VERTICAL CELLS SHALL HAVE VERTICAL ALIGNMENT SUFFICIENT TO MAINTAIN A CLEAR UNOBSTRUCTED CONTINUOUS VERTICAL CELL MEASURING NOT LESS THAN 2"x3". FOR HIGH LIFT GROUT PROCEDURES, MINIMUM NET DIMENSION IS 3"x3".
- 10. VERTICAL REINFORCING SHALL BE HELD IN POSITION AT TOP AND BOTTOM AND AT INTERVALS NOT TO EXCEED 192 BAR DIAMETERS.
- VERTICAL REBAR TO BE INSTALLED IN ONE PIECE FULL HEIGHT UNLESS
- INTERRUPTED BY OPENINGS 12. THOROUGHLY CLEAN ALL CELLS AND BOND BEAMS OF MORTAR BEFORE
- GROUTING. 13. ALL CELLS SHALL BE FILLED SOLIDLY WITH GROUT. ALL GROUTING SHALL BE DONE UNDER THE CONTINUOUS OBSERVATION OF A QUALIFIED INSPECTOR.
- 14. WHEN GROUTING IS STOPPED FOR ONE HOUR OR LONGER, HORIZONTAL CONSTRUCTION JOINTS SHALL BE FORMED BY STOPPING THE POUR OF GROUT I I/2" BELOW THE TOP OF THE UPPERMOST UNIT. AT BOND BEAMS STOP I/2"
- 15. EACH VERTICAL BAR IN WALL SHALL LAP WITH A DOWEL OF THE SAME SIZE EXTENDING FROM THE FOUNDATION. DOWELS SHALL BE STRAIGHT AND PLUMB. 16. PLACE ALL HORIZONTAL BARS IN BOND BEAM UNITS. WHEN 2 BARS ARE USED
- STAGGER LAPS MINIMUM OF 5'-0". 17. ALL EMBEDDED ITEMS (BOLTS, ETC.) SHALL BE SECURED IN PLACE PRIOR TO GROUTING. PROVIDE TIGHT FIT AROUND ALL BOLTS IN THE FACE SHELLS OF
- HOLLOW UNIT MASONRY 18. USE SINGLE OPEN END BLOCKS TYP, DO NOT PLACE CLOSED SIDES BACK TO
- BACK, UNO ON DRAWINGS. 19. PERFORM WORK IN ACCORDANCE WITH TMS402 \$ TMS602 LATEST EDITION.

# POWDER ACTUATED FASTENERS

BELOW TOP OF UNIT.

- THESE NOTES GOVERN ALL CONDITIONS CALLED OUT ON THE PLANS AS "SHOT PINS" UNLESS SPECIFICALLY NOTED OTHERWISE
- 2. ALL SHOT PINS SHALL BE AS MANUFACTURED BY HILTI INC. OR DEWALT. REFERENCE SHALL BE MADE TO THE 'PRODUCT TECHNICAL GUIDE'. FOR ADDITIONAL INFORMATION ICC ESR 2269 (HILTI) OR ICC ESR 2024 (DEWALT)
- 3. SHOT PINS DRIVEN INTO STEEL BASE MATERIAL SHALL BE X-U-P8 (HILTI) OR CSI (DEWALT) TYPE. LENGTH OF PIN SHALL BE AS REQ'D TO PENETRATE THROUGH THE STEEL BASE MATERIAL. MIN EDGE DISTANCE TO ANY CONNECTED PART SHALL BE 1/2" AND MIN FASTENER SPACING SHALL BE 1"
- 4. SHOT PINS DRIVEN INTO CONCRETE BASE MATERIAL SHALL BE X-U-P8 (HILTI) OR CSI (DEWALT) TYPE. LENGTH OF PIN SHALL BE AS REQ'D TO PENETRATE I" INTO THE CONC BASE MATERIAL. MIN EDGE DISTANCE TO ANY CONC MATERIAL SHALL BE 3" AND MIN FASTENER SPACING SHALL BE 4" MINIMUM CONCRETE THICKNESS=4 1/2"
- 5. SHOT PINS DRIVEN INTO CONCRETE BASE MATERIAL THROUGH METAL DECK SHALL BE X-U-P8 (HILTI) OR CSI (DEWALT) TYPE. LENGTH OF PIN SHALL BE AS REQ'D TO PENETRATE I" INTO THE CONC THROUGH THE LOW FLUTE, PIN SHALL BE CENTERED IN THE LOW FLUTE & MIN FASTENER SPACING SHALL BE 5 1/4" CONCRETE MUST HAVE I'C=3000 PSI MIN AND BE 2 1/2" THICK ABOVE TOP OF STEEL DECK.
- 6. SHOT PINS DRIVEN INTO GROUT FILLED CMU SHALL BE X-U-P8 (HILTI) OR CSI (DEWALT) TYPE. LENGTH OF PIN SHALL BE AS REQD TO PENETRATE I" INTO THE FACE SHELL. DO NOT INSTALL IN ANY VERTICAL MORTAR JOINTS. FASTENERS SHALL BE SPACED NO CLOSER THAN 4" AND NO CLOSER THAN 4" FROM ANY
- 7. SHOT PINS IN CONCRETE OR STEEL SHALL NOT BE USED FOR SUSTAINED LOADS IN TENSION OR BRACE APPLICATIONS IN SEISMIC DESIGN CATEGORIES D, E, & F PER ASCE 7-16 SECTION 13.4.5
- SHOT PINS NOT ALLOWED FOR EXTERIOR ANCHORAGE SHOT PINS PENETRATION INTO CONCRETE SHALL NOT EXCEED 1/3 OF SLAB
- IO. SHOT PINS CONNECTING COLD FORMED METAL TO CONCRETE OR STEEL SHALL HAVE WASHERS.

# TYPICAL NOTES

# APPLICABLE TO ALL DRAWINGS UNLESS NOTED OR SHOWN OTHERWISE

# GENERAL NOTES

- CONSTRUCTION SHALL CONFORM TO THE 2019 CALIFORNIA BUILDING CODE, CBC. NOTES AND DETAILS ON TYPICAL SHEETS SHALL APPLY UNLESS OTHERWISE SHOWN OR NOTED ON PLANS
- CONTRACTOR SHALL NOT SCALE DRAWINGS FOR SIZES, LENGTHS, CLEARANCES, ETC. 4. DETAILS OF CONSTRUCTION NOT FULLY SHOWN SHALL BE OF THE SAME NATURE AS SHOWN FOR A SIMILAR CONDITION.
- 5. SAFETY NOTE: A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA, LATEST EDITION, AND ALL OSHA REQUIREMENTS AS THEY APPLY
- TO THIS PROJECT. B. THE STRUCTURAL ENGINEER DOES NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS. C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND
- CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED 6. CONTRACTOR SHALL VERIFY ALL DIMENSIONS, ELEVATIONS, PROPERTY LINES, ETC. ON THE JOB.
- CONTRACTOR SHALL NOTIFY THE ARCHITECT AND STRUCTURAL ENGINEER WHERE A CONFLICT OCCURS ON ANY OF THE CONTRACT DRAWINGS OR DOCUMENTS. CONTRACTOR IS NOT TO ORDER MATERIAL OR CONSTRUCT ANY PORTION OF THE BUILDING THAT IS IN CONFLICT UNTIL SAID CONFLICT IS RESOLVED WITH THE AFFECTED PARTIES. IF NOT RESOLVED PRIOR TO BID, THE MOST STRINGENT CONDITION WILL APPLY.

## DESIGN LOADS:

CODE: 2019 CALIFORNIA BUILDING CODE (CBC)

# LIVE LOADS:

GROUND FLOOR......50.0 PSF

# SEISMIC:

BASIC SEISMIC RESISTING SYSTEM TYPE: A2 DESCRIPTION: ORDINARY REINFORCED CONCRETE SHEAR WALLS BUILDING LOCATION: LATITUDE: 37.96 °N LONGITUDE: -121.29 °W

SEISMIC IMPORTANCE FACTOR I <sub>E</sub>	SITE CLASS	RISK CATEGORY	SEISMIC DESIGN CATEGORY
□1.00	□ A		□A
□ 1.25	□B		□в
1.50			
	D		D
	□⊨		□F

MAPPED MAXIMUM CONSIDERED SPECTRAL RESPONSE ACCELERATIONS: Ss = .903  $S_1 = .334$ 

DESIGN SPECTRAL RESPONSE ACCELERATIONS PARAMETERS:  $S_{DS} = .686$  $S_{DI} = .386$ 

ANALYSIS PROCEDURE: EQUIVALENT LATERAL FORCE PROCEDURE

SEISMIC RESPONSE COEFFICIENT Cs=\_\_\_\_\_ PER 12.8-ASCE 7-16 RESPONSE MODIFICATION FACTOR R = 4. SYSTEM OVER STRENGTH FACTOR <u>Ωo=\_2.5</u>

FACTOR

DEFLECTION AMPLIFICATION

 $C_{d} = 4$ .

DESIGN BASE V= Cs W SHEAR

COMPONENT COEFFICIENTS

ap= 1.0 Rp = 1.5 $\frac{z}{h} = 0.0$ 

ANALYSIS PROCEDURE: DESIGN FORCE Fp =  $\frac{0.4ap}{\sqrt{5}}$  Sps  $\frac{M_p}{\sqrt{1+2}}$ = <u>0.27 Mp</u>

Fp MAX= <u>1.65ps lp W</u>p = <u>1.6</u> Mp Fp MIN= <u>0.35ps lp W</u>p = <u>0.3</u> Mp

USE Fp= <u>0.3</u> Mp

# STRUCTURAL STEEL

- FABRICATION, ERECTION, AND MATERIALS SHALL CONFORM WITH THE AISC 360-16 SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS AND 2019 CBC. 2. STRUCTURAL STEEL SHAPES SHALL CONFORM TO THE FOLLOWING:
- A. RECTANGULAR HSS SHAPES (UNO).....ASTM-A500 GRADE B (Fy=46 ksi) B. PLATES, BARS & MISC. (UNO).....ASTM-A36
- 3. WELDING DONE BY THE ELECTRIC ARC PROCESS IN ACCORDANCE WITH "AWS". STANDARDS: PROVIDE ETOXX ELECTRODES FOR ALL WELDS UNO.
- USE ONLY CERTIFIED WELDERS. ALL BUTT WELDS SHALL HAVE COMPLETE PENETRATION. ALL EXPOSED BUTT WELDS SHALL BE GROUND. 4. ALL STRUCTURAL STEEL SHALL BE ERECTED PLUMB AND TRUE TO LINE. TEMPORARY BRACING SHALL BE INSTALLED AND SHALL BE LEFT IN PLACE

# NON-SHRINK GROUT:

PROVIDE NON SHRINK GROUT (NSG) AT ALL LOCATIONS AS INDICATED HEREIN. NON SHRINK GROUT TO BE HIGH STRENGTH, NON-METALLIC, PORTLAND CEMENT BASED PRODUCT WITH EXPANSIVE ADDITIVES DESIGNED FOR GROUTING

UNTIL OTHER MEANS ARE PROVIDED TO ADEQUATELY BRACE THE STRUCTURE.

- MACHINERY AND STEEL COLUMNS. GROUT SHALL COMPLY WITH ALL PROPERTIES OF ASTM CIIO7 \$ CRD621 GROUT SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S
- INSTRUCTIONS. WATER SHALL BE ADDED ONLY AS NECESSARY TO OBTAIN A FLOWABLE CONSISTENCY. DO NOT EXCEED A FLOW RATE OF 20 SECONDS PER ASTM C939
- 6. ALL SURFACES TO RECEIVE GROUT MUST BE CLEAN. GROUT SHALL OBTAIN THE FOLLOWING STRENGTHS:
- 3 DAYS 5000 PSI MIN 7 DAYS - 6000 PSI MIN 28 DAYS - 7000 PSI MIN
- 8. DO NOT LOAD NSG PRIOR TO 3 DAYS CURE TIME. 9. FINAL LOADS SHALL NOT BE PLACED PRIOR TO OBTAINING 28 DAY STRENGTH.

Architect HAMMOND+PLAYLE ARCHITECTS, LLP art, architecture + ecology 909 FIFTH STREET, DAVIS, CA 530.750.0756 WWW.INDIGOARCH.COM



Consultant



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PT 2 JOB # 2021-046

Agency Approvals

City Approvals

Public Works Department Approved by \_ Siè Elvary

City Engineer, Stockton, CA Issue: 100% CONSTRUCTION DOCUMENTS Description No. | Date

Project

STOCKTON **POLICE HQ** WOMEN'S LOCKER RM REMODEL

Architect of Record	
Project Architect	
Drafted By	
Checked By	
File Date	
01/20/22	

TYPICAL NOTES

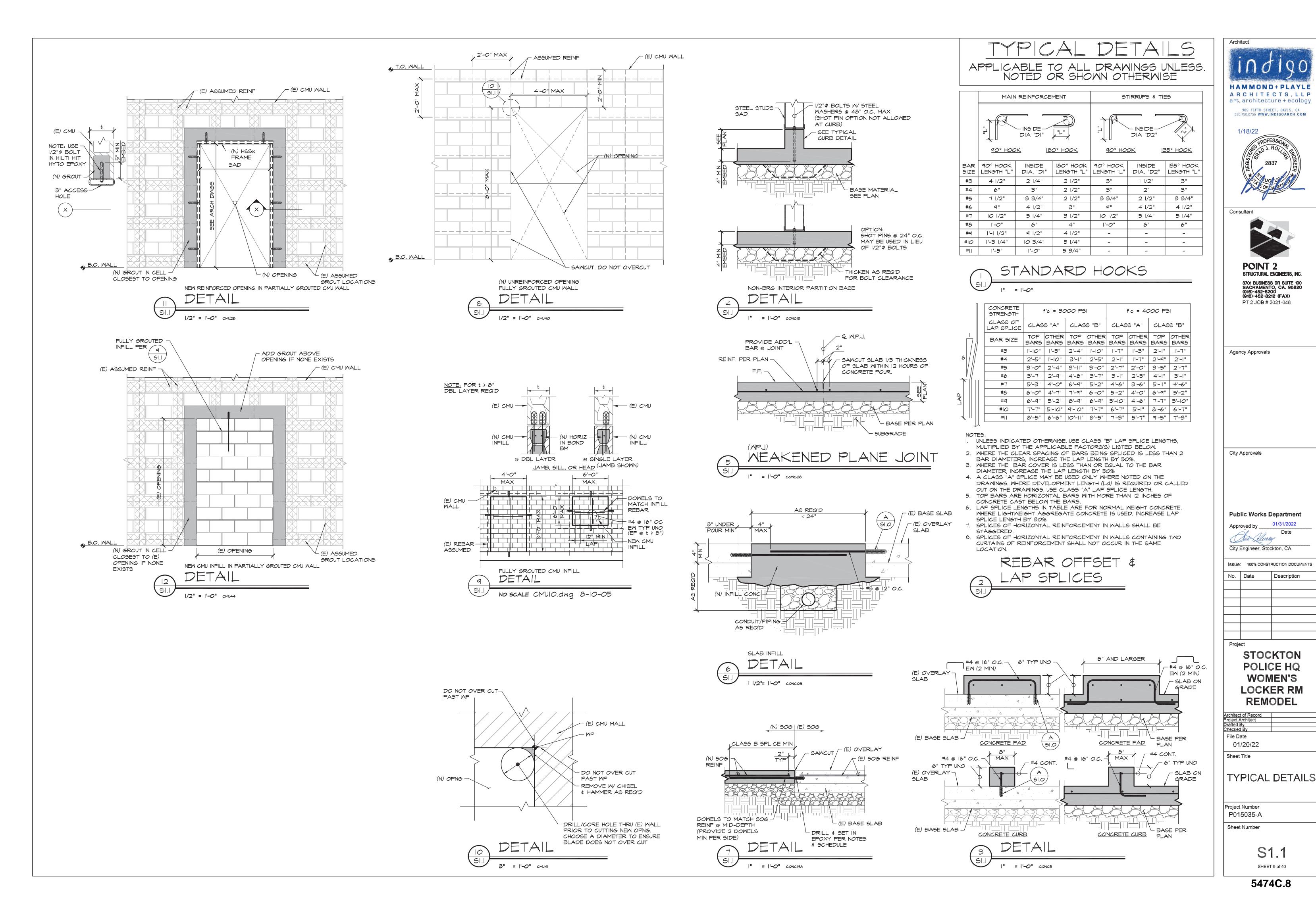
Project Number P015035-A

Sheet Number

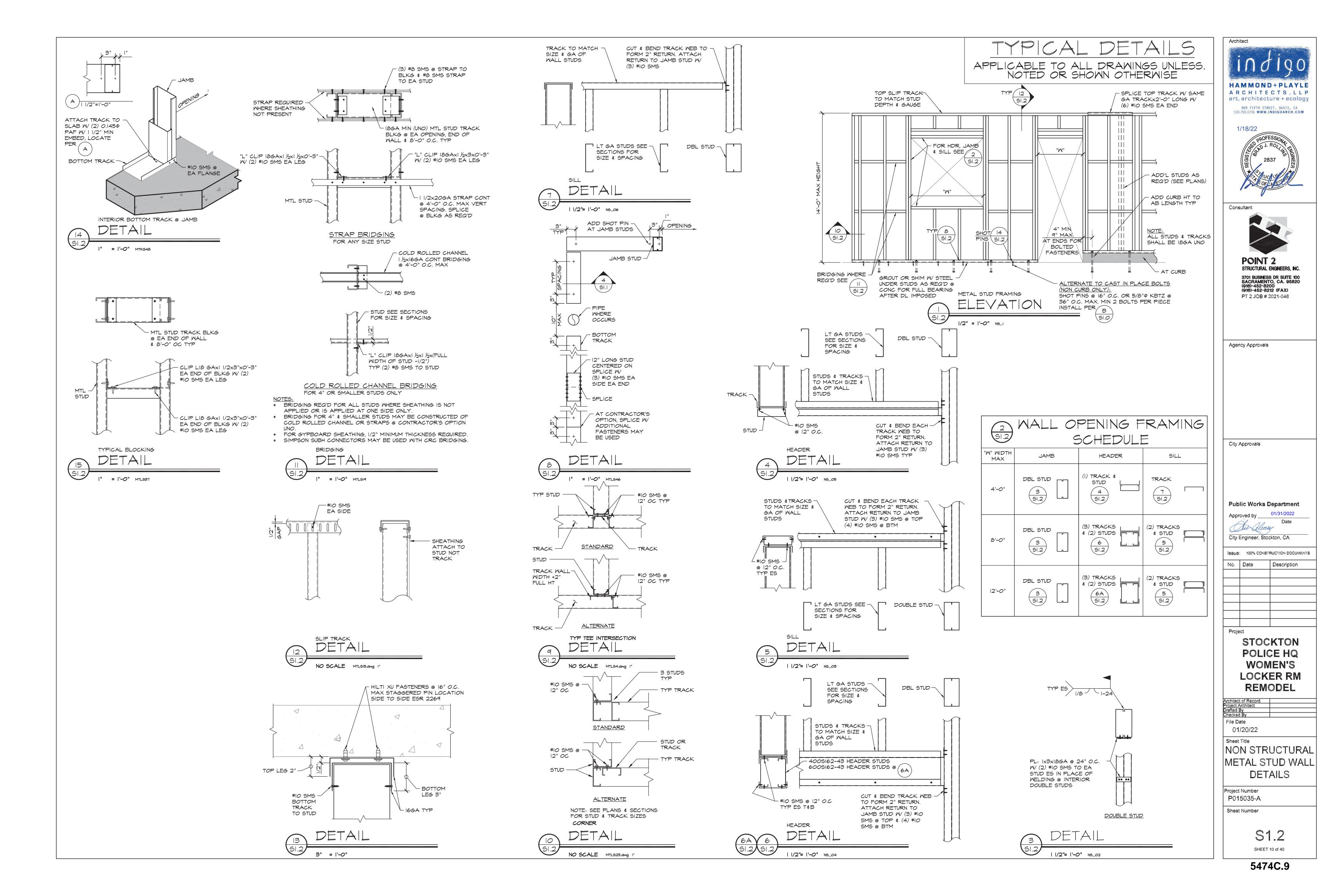
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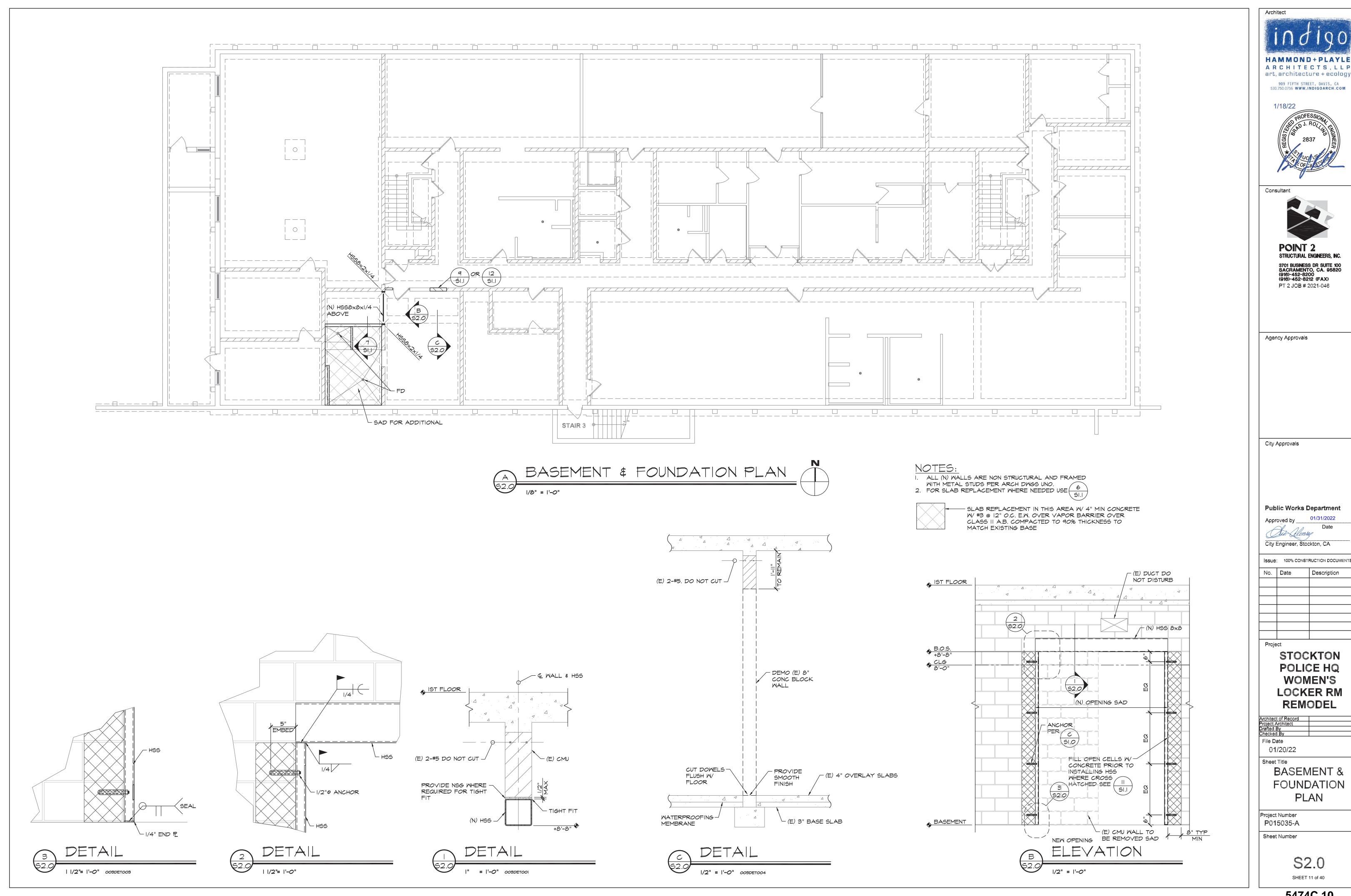
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SHEET 8 of 40



Description





# THESE DRAWINGS SHOULD BE ONLY USED AS VISUAL AIDS FOR GENERIC LOCATIONS OF ASBESTOS CONTAINING MATERIALS. FOR AN ACCURATE SPACE-BY-SPACE BREAKDOWN, REFER TO THE FUNCTIONAL SPACE NOTES OVERAI PRIMARY AREA OF

2. ASBESTOS CONTAINING CEILINGS AND MATERIALS ABOVE CEILINGS (ATTICS & PLENUMS) ARE NOT INDICATED ON SCOPING DRAWINGS. FOR AN ACCURATE SPACE-BY-SPACE BREAKDOWN FOR THESE AREAS, REFER TO THE FUNCTIONAL SPACE NOTES FOUND IN HAZMAT INSPECTION REPORTS INCLUDED IN APPENDIX SECTION OF SPECIFICATIONS.

FOUND IN HAZMAT INSPECTION REPORTS INCLUDED IN APPENDIX SECTION

3. LEAD CONTAININGS MATERIALS ARE NOT INDICATED ON SCOPING DRAWINGS. REFER TO HAZMAT INSPECTION REPORTS INCLUDED IN APPENDIX SECTION OF SPECIFICATIONS.

OF SPECIFICATIONS.

#### OVERALL DEMO FLOOR PLAN LEGEND (E) ASBESTOS CONTAINING VFT PRIMARY AREA OF WORK FLOORING & MASTIC T.B.R., SEE SPEC SECTION 01 11 00 & 02 83 00 (E) ASBESTOS OR LEAD CONTAINING (E) REINFORCED CONC. WALL WALLS REQ'ING ABATEMENT. SEE SPEC SECTIONS 01 11 00, 02 83 00 & 02 83 20, SEE HAZMAT REPORT. (E) BLOCK WALL (E) MTL. STUD WALL $\equiv$ $\equiv$ (E) WALL T.B.R. (E) DOOR & FRAME TO REMAIN (E) DOOR & FULLY GROUTED MTL. FRAME T.B.R.

#### **DEMOLITION FLOOR PLAN GENERAL NOTES**

. SEE HAZ MAT SCOPING PLAN SHTS G-105 & G-106 & HAZARDOUS MATERIAL INSPECTION REPORTS, SPEC APPENDIX A & B FOR REQUIRED ABATEMENT.

2. ALL MATERIAL AND EQUIPMENT TO BE REMOVED SHALL BE DISPOSED OF IN A LEGAL MANNER.

3. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES BETWEEN THE DOCUMENTS AND FIELD CONDITIONS PRIOR TO PROCEEDING WITH THE WORK. IF ANY QUESTIONS ARISE AS TO THE REMOVAL OF ANY MATERIAL, CLARIFY THE POINT IN QUESTION WITH THE ARCHITECT BEFORE PROCEEDING. ALL ELEMENTS NOT SHOWN TO REMAIN ARE TO BE DEMOLISHED PER ARCHITECT'S APPROVAL.

4. CONTRACTOR SHALL PROTECT ALL EXISTING ITEMS THAT ARE NOT SCHEDULED FOR REMOVAL FROM DAMAGE. CONTRACTOR SHALL BE RESPONSIBLE FOR PATCHING AND/OR REPAIRING ANY DAMAGE CAUSED TO ITEMS TO REMAIN.

5. CONTRACTOR SHALL FURNISH ALL LABOR AND MATERIALS/EQUIPMENT AS REQUIRED TO COMPLETE DEMOLITION AND REMOVAL OF ALL ITEMS AS INDICATED.

 CONTRACTOR TO CLEAN AND PROPERLY DISPOSE OF ALL ABANDONED EQUIPMENT AND TRASH/DEBRIS LEFT FROM PREVIOUS TENANT. CONTRACTOR SHALL VERIFY ALL ITEMS FOR DISPOSAL WITH TENANT AND/OR OWNER PRIOR TO STARTING WORK.

7. CONTRACTOR SHALL IMPLEMENT CONSTRUCTION DUST / DEBRIS CONTROL MEASURES THROUGHOUT THE DURATION OF CONSTRUCTION.

8. AT COMPLETION OF DEMOLITION WORK, THE CONSTRUCTION AREA(S) SHALL BE LEFT IN "BROOM CLEAN" CONDITION. ALL DEBRIS AND MISCELLANEOUS MATERIAL SHALL BE REMOVED.

9. DEMOLITION IS NOT NECESSARILY LIMITED TO WHAT IS SHOWN ON DRAWINGS. THE INTENT IS TO INDICATE THE GENERAL SCOPE OF DEMOLITION REQUIRED TO COMPLETE THE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

10. GENERAL CONSTRUCTION CONTRACTOR SHALL PROVIDE APPROPRIATE WEATHER PROTECTION OF EXISTING STRUCTURE WHEN DEMOLITION WORK CAUSES EXPOSURE OF EXISTING CONSTRUCTION TO THE ELEMENTS.

11. CONTRACTOR TO ENSURE THAT EXISTING UTILITIES (GAS, ELECTRIC OR PHONE, ETC.), ACCESS FOR TENANT & CUSTOMER USE, MECHANICAL VENTILATION, HEATING AND/OR COOLING SYSTEMS, IS PROVIDED TO ALL TENANTS IN 1ST & 2ND FLOORS.

12. CARE SHALL BE TAKEN BY CONTRACTOR TO MINIMIZE DISRUPTION TO EXISTING TENANTS IN 1ST & 2ND FLOORS THROUGHOUT DURATION OF CONSTRUCTION. CONTRACTOR SHALL COORDINATE ALL CONSTRUCTION ACTIVITIES WITH OWNER AND TENANT PRIOR TO WORK.

13. EXACT LOCATION OF EXIT SIGNS MAY BE ALTERED DURING FINAL INSPECTION. VERIFY LOCATIONS WITH BUILDING AND FIRE INSPECTOR IN FIELD. EXTRA EXIT SIGNS MAY BE REQUIRED DURING FINAL INSPECTION.

14. FIRE SERVICE WATER SUPPLY AND MONITORING SHALL REMAIN ACTIVE AND OPERATIONAL DURING CONSTRUCTION TO 1ST & 2ND FLOORS.

15. DEMO & REPAIR ALL SYSTEMS & FINISHES AS REQ'D FOR FIRE SPRINKLER SYSTEM MODIFICATION WORK. FOR FIRE SPRINKLER SCOPING PLAN SEE SHT. FS-001.

16. DEMO & REPAIR ALL SYSTEMS & FINISHES FOR AS REQ'D FOR FIRE ALARM WORK. SEE FIRE ALARM SCOPING PLANS SEE SHTS. E-201.3, E-202.3 & E-203.3

Architect

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Consultant

Agency Approvals

City Approvals

Public Works Department

Approved by 01/31/2022
Date
City Engineer, Stockton, CA

Issue: 100% CONSTRUCTION DOCUMENTS

No. Date Description

Project STOCKTON

POLICE HQ WOMEN'S LOCKER RM REMODEL

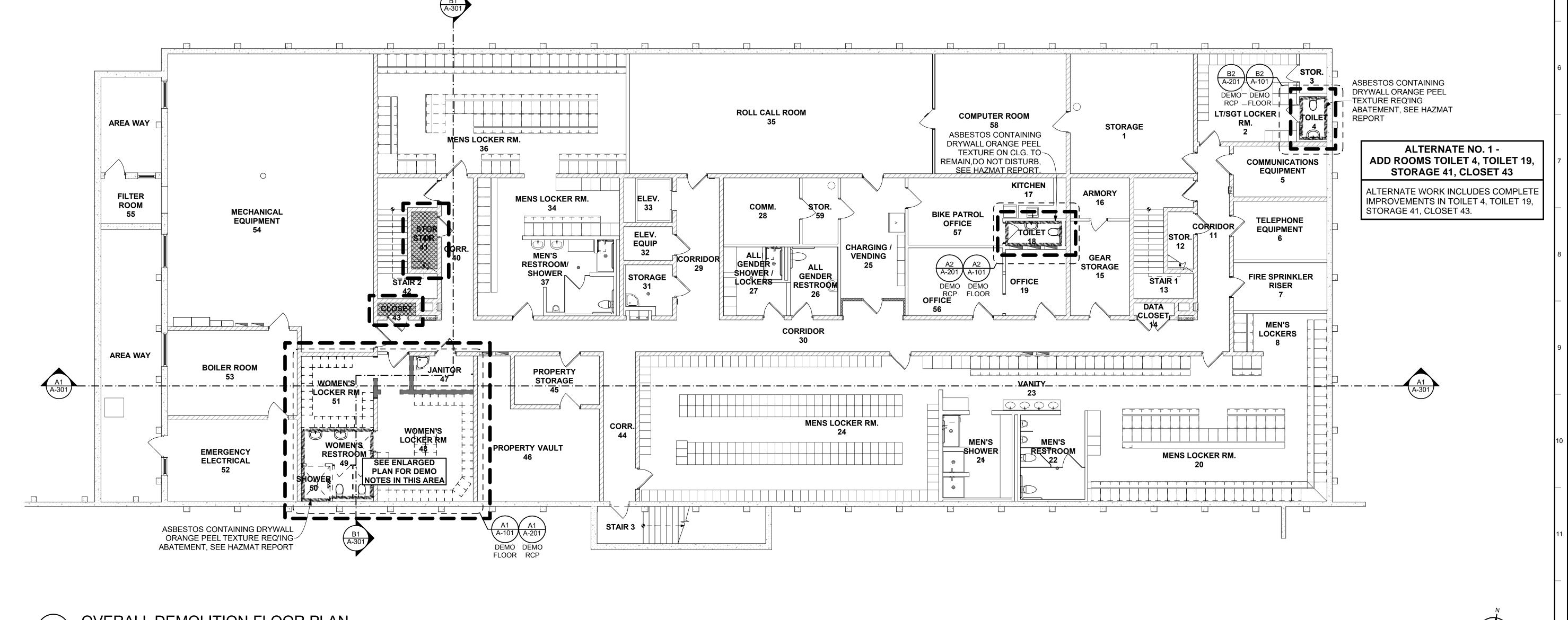
Project Architect
Drafted By
Checked By
File Date
01/20/22

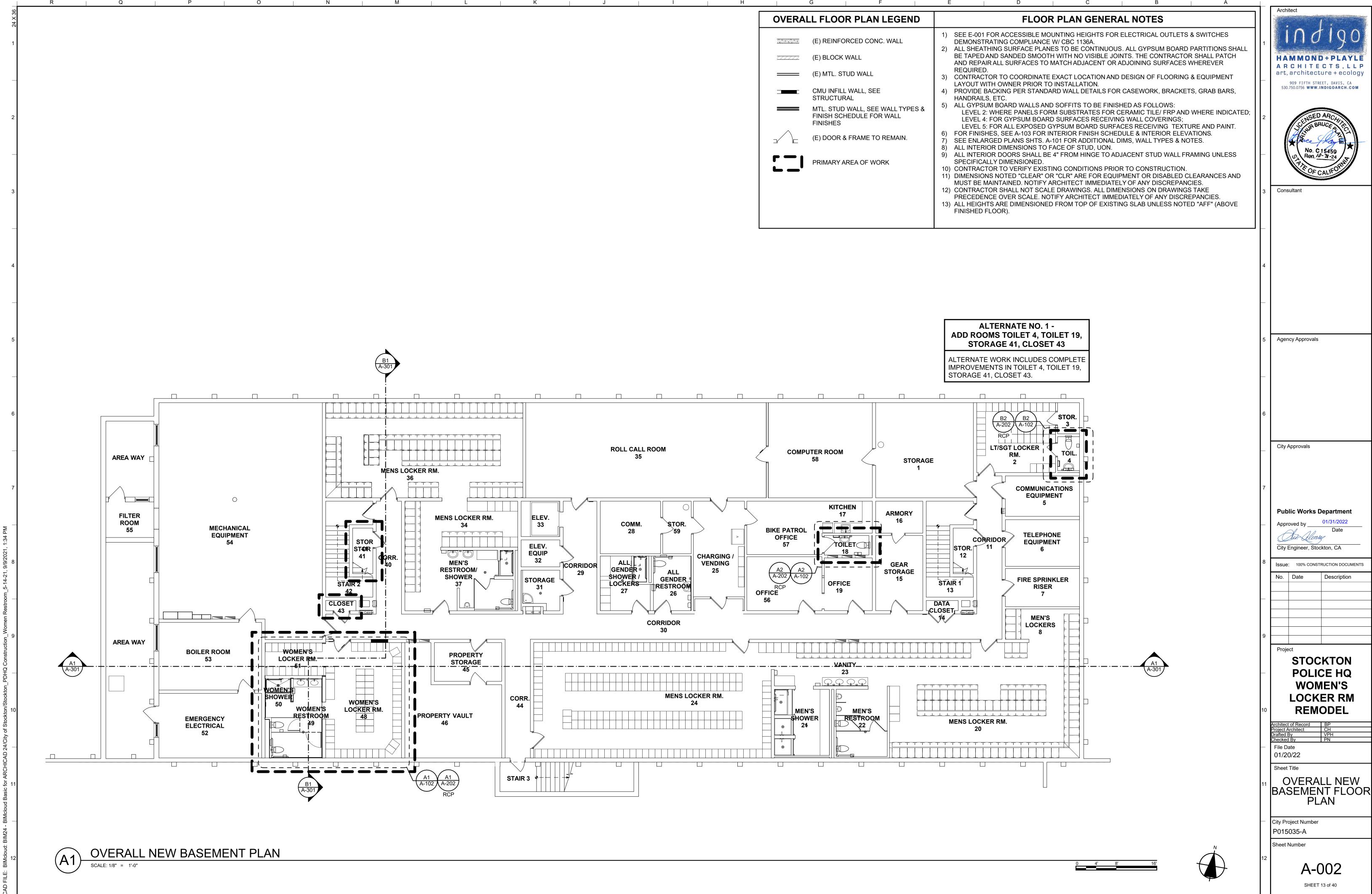
OVERALL
DEMOLITION
BASEMENT FLOOR
PLAN

City Project Number P015035-A

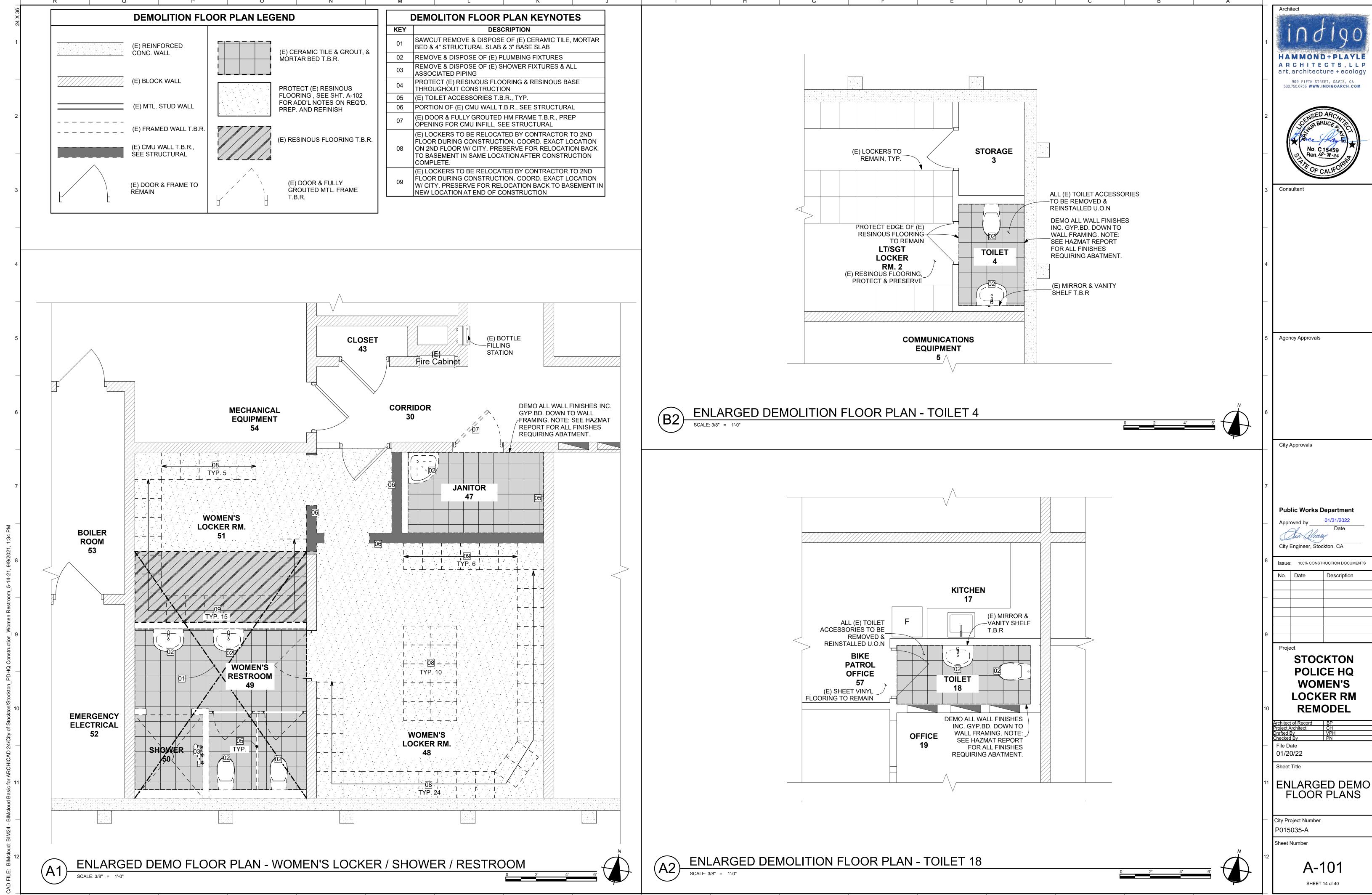
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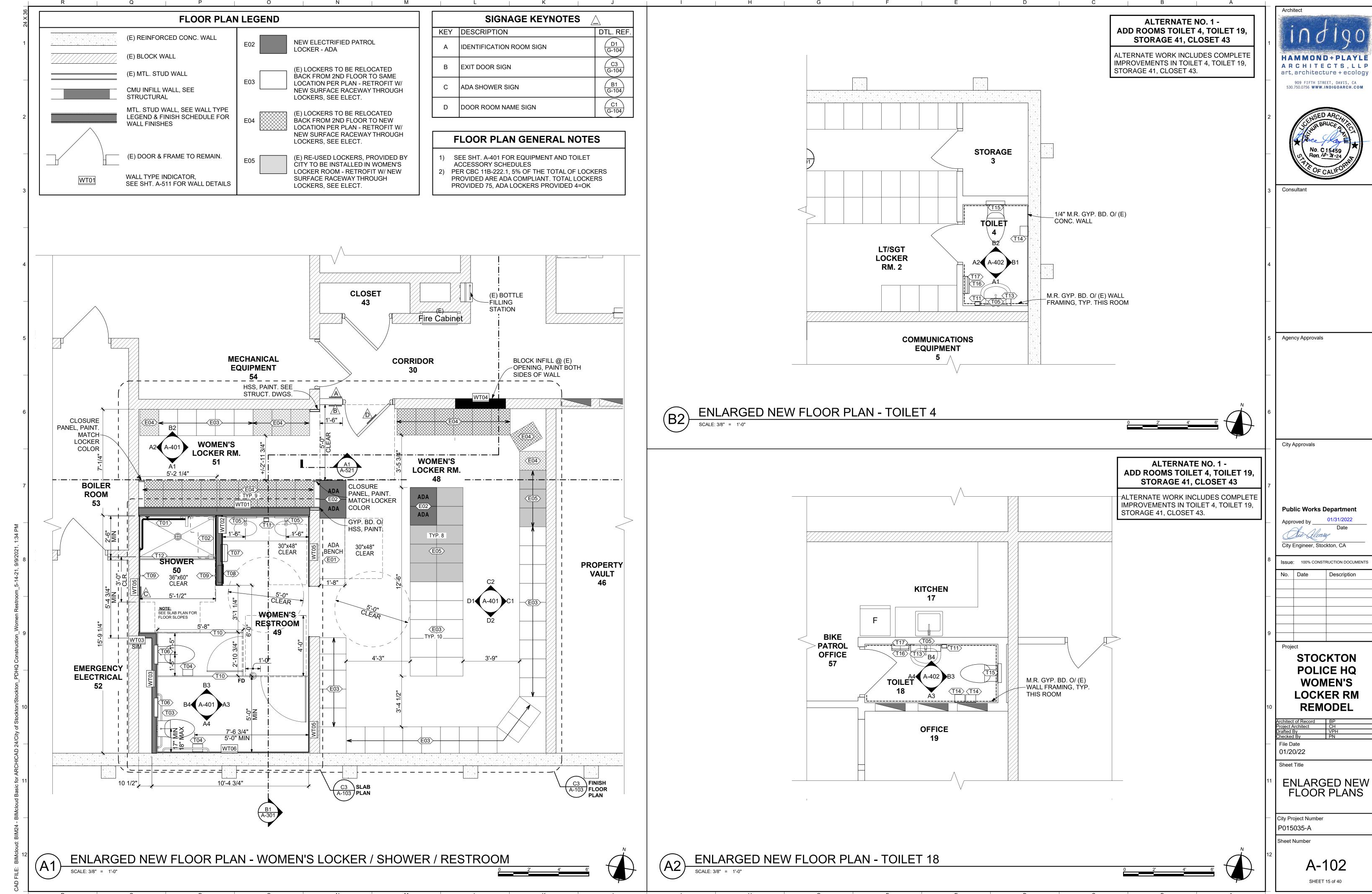
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SHEET 12 of 40

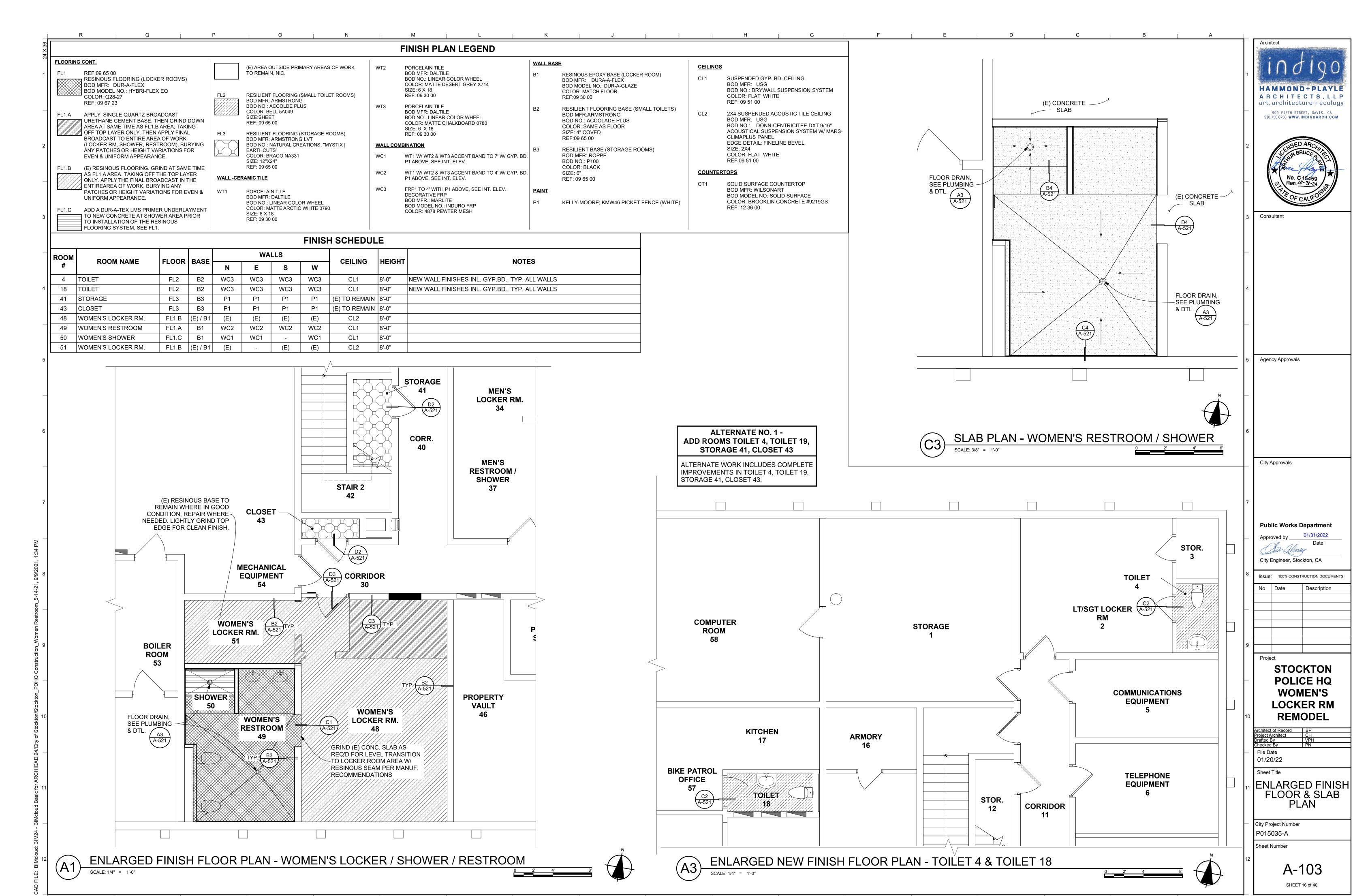


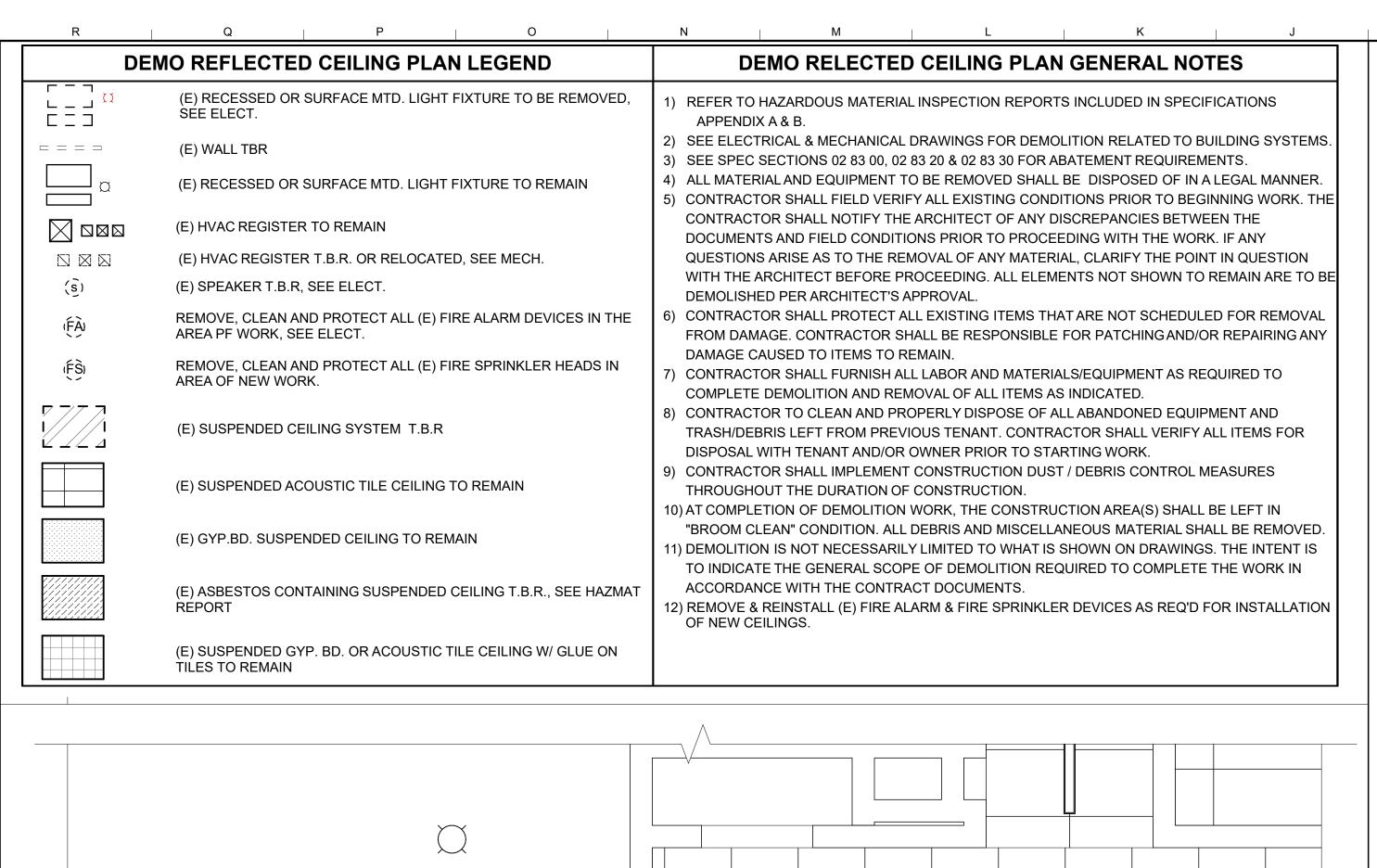


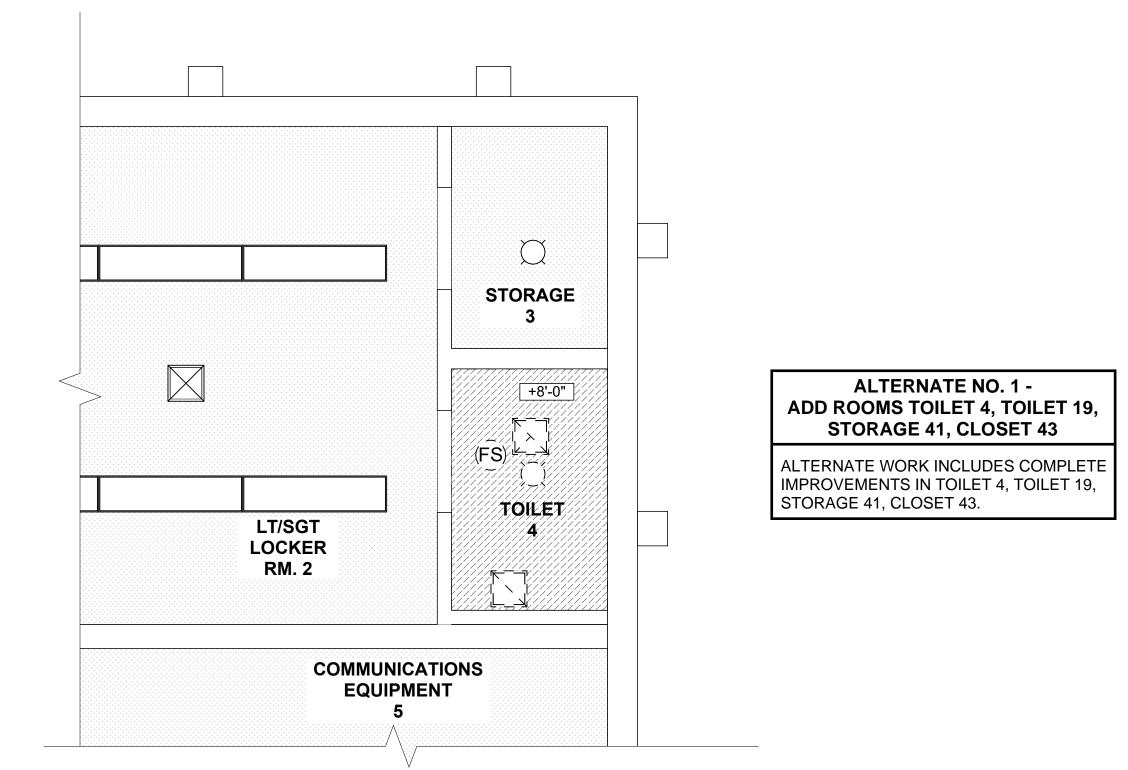


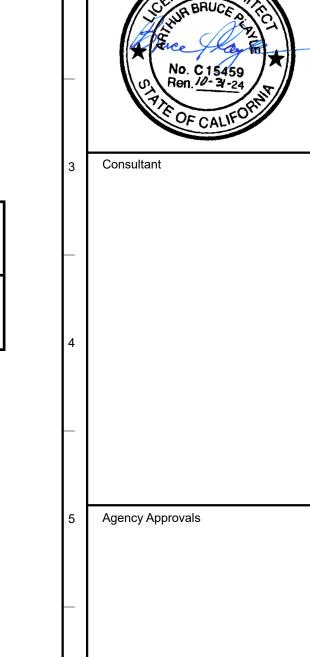












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art, architecture + ecology

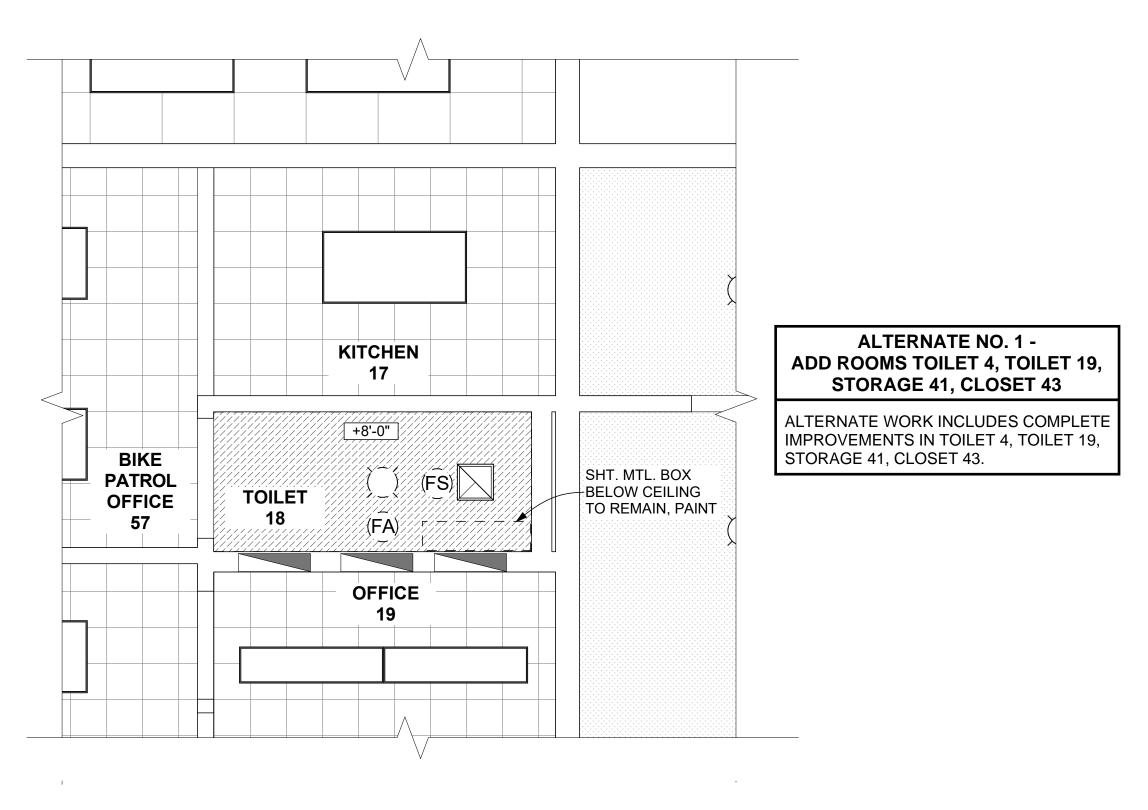
909 FIFTH STREET, DAVIS, CA

530.750.0756 WWW.INDIGOARCH.COM

**CORRIDOR** ALCOVE **BOILER** 30.1 ROOM // J. IV EXPOSED 47 **WOMEN'S** LOCKER RM. 51 **PROPERTY VAULT EMERGENCY** WOMEN'S **ELECTRICAL RESTROOM WOMEN'S** LOCKER RM. +8'-0" SHOWER

ENLARGED DEMO REFLECTED CEILING PLAN - WOMEN'S LOCKER / RESTROOM / SHOWER/

SCALE: 3/8" = 1'-0"



Project

City Approvals

**Public Works Department** 

STOCKTON
POLICE HQ
WOMEN'S
LOCKER RM
REMODEL

Project Architect CH
Drafted By VPH
Checked By PN
File Date
01/20/22

ENLARGED DEMO REFLECTED CEILING PLANS

City Project Number P015035-A

**A-201**SHEET 17 of 40

ENLARGED DEMO REFLECTED CEILING PLAN - TOILET 18

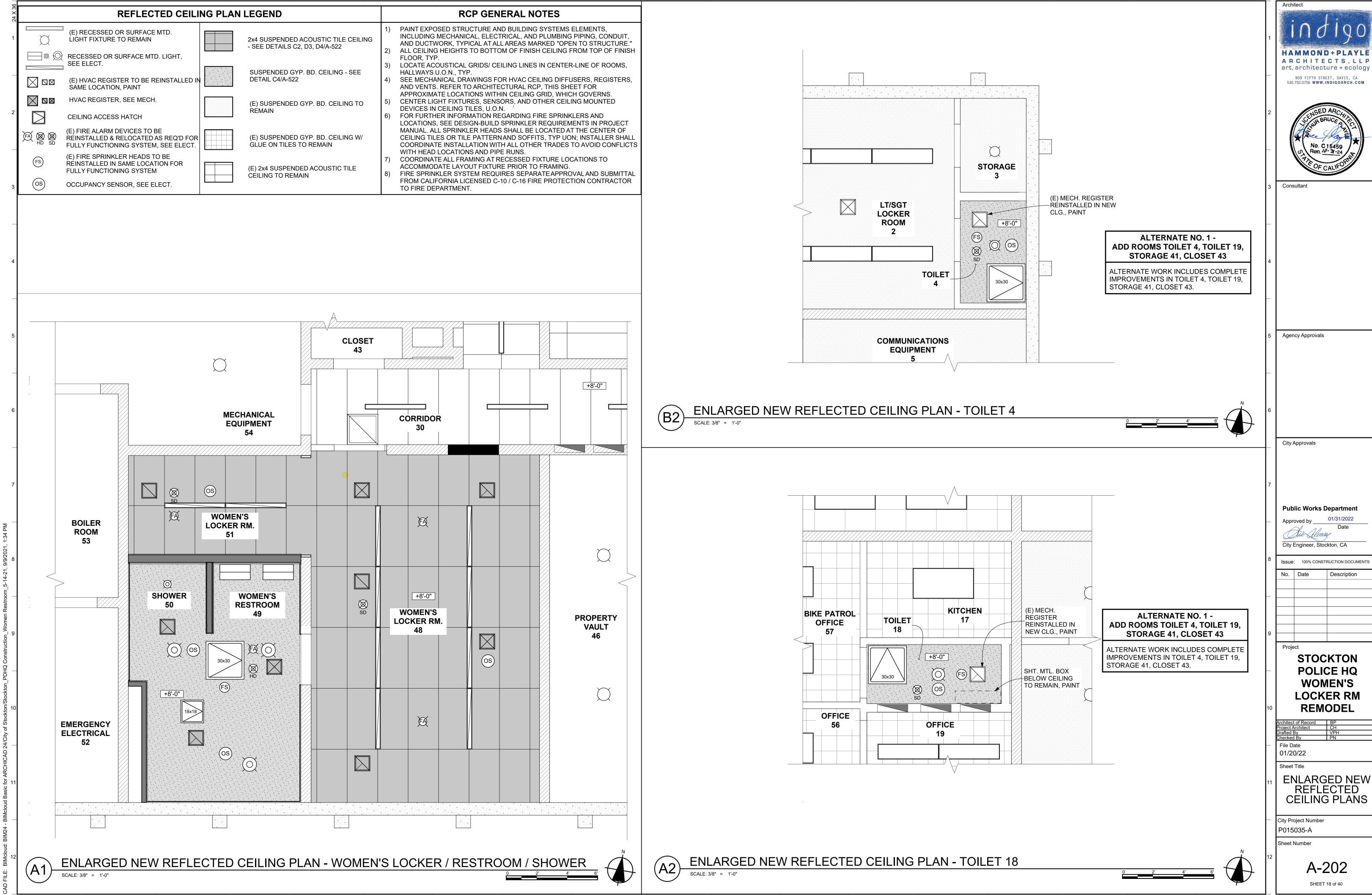
SCALE: 3/8" = 1'-0"

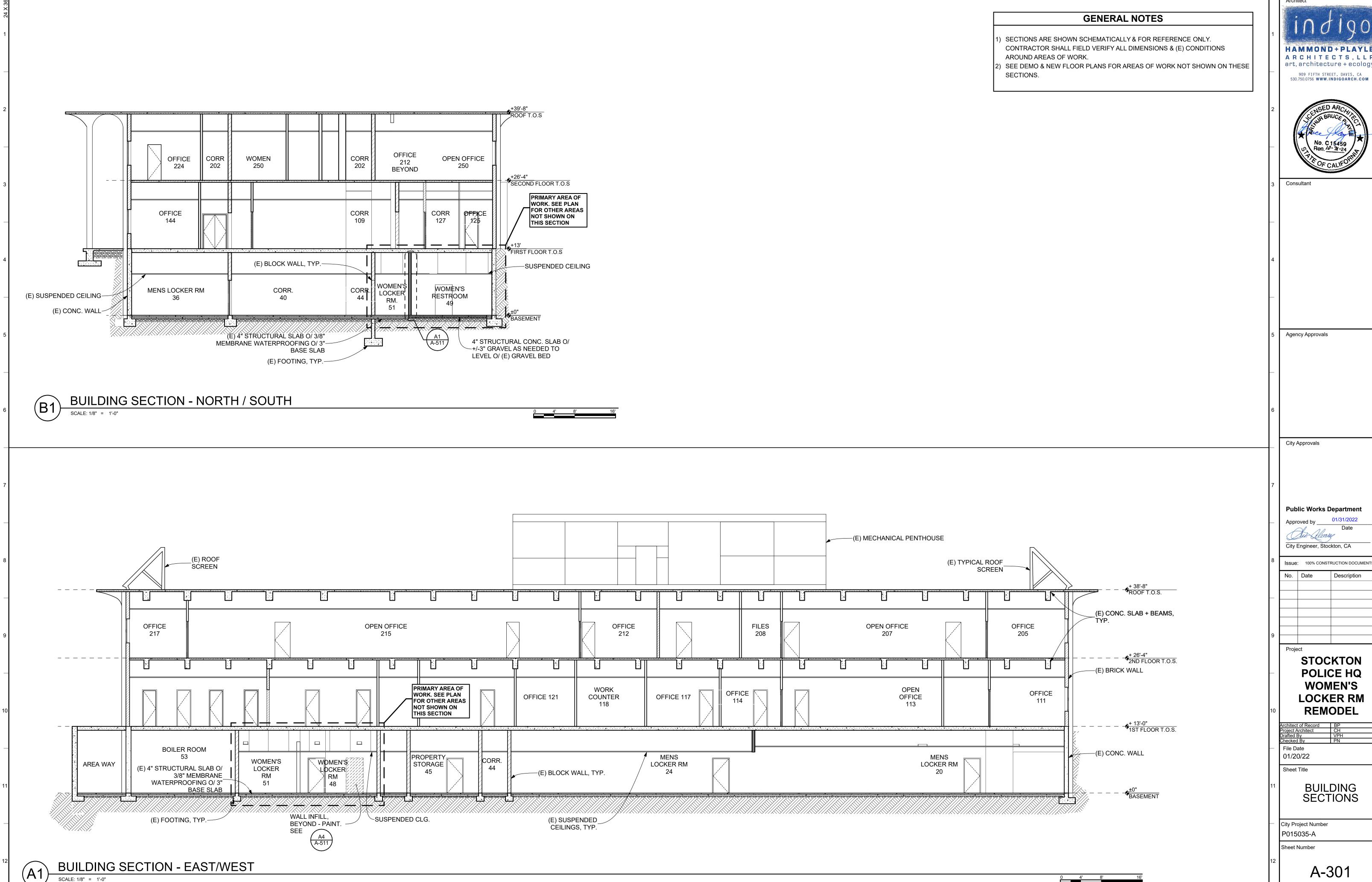
ENLARGED DEMO REFLECTED CEILING PLAN - TOILET 4

(A2)-

0 2' 4' 6'

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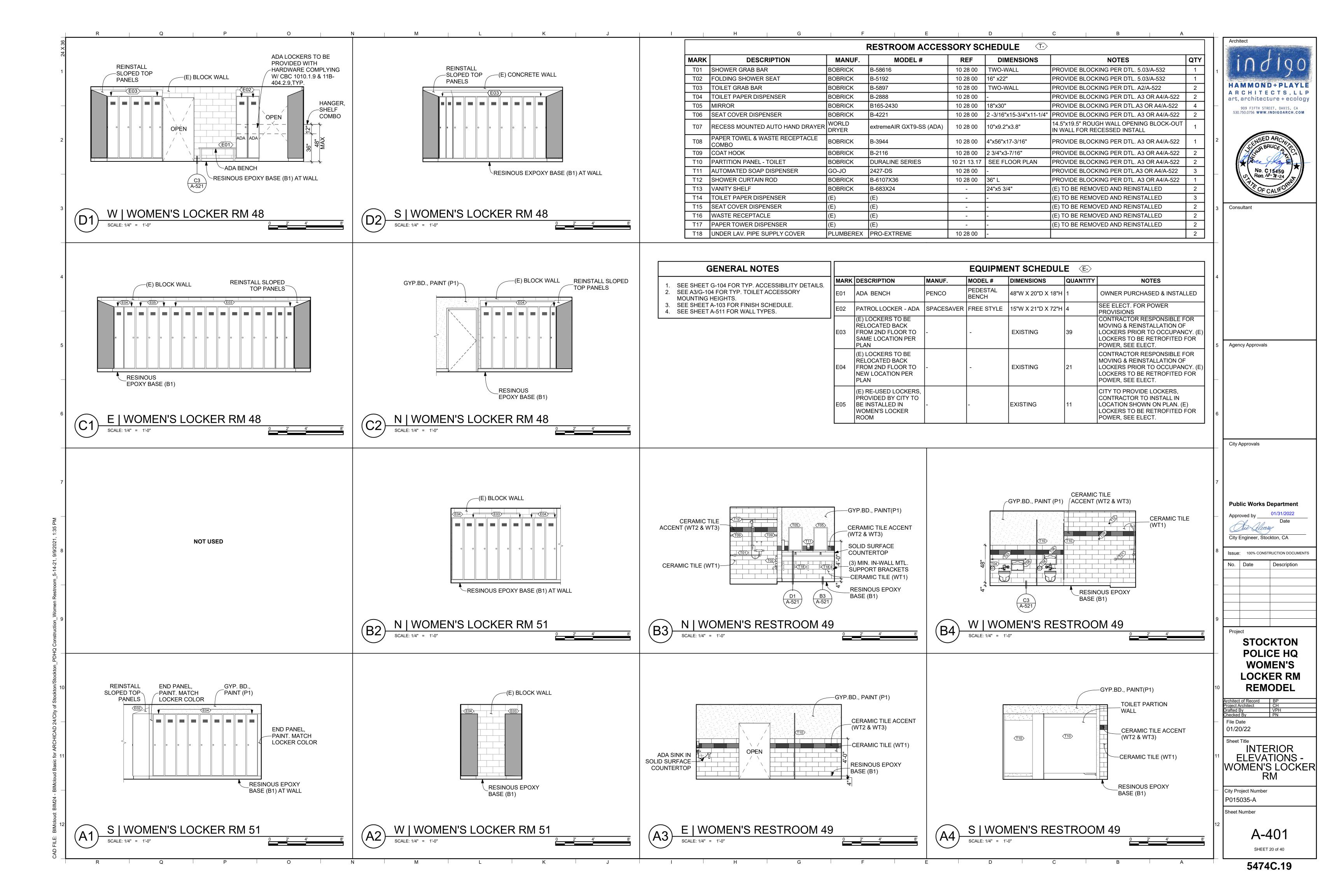


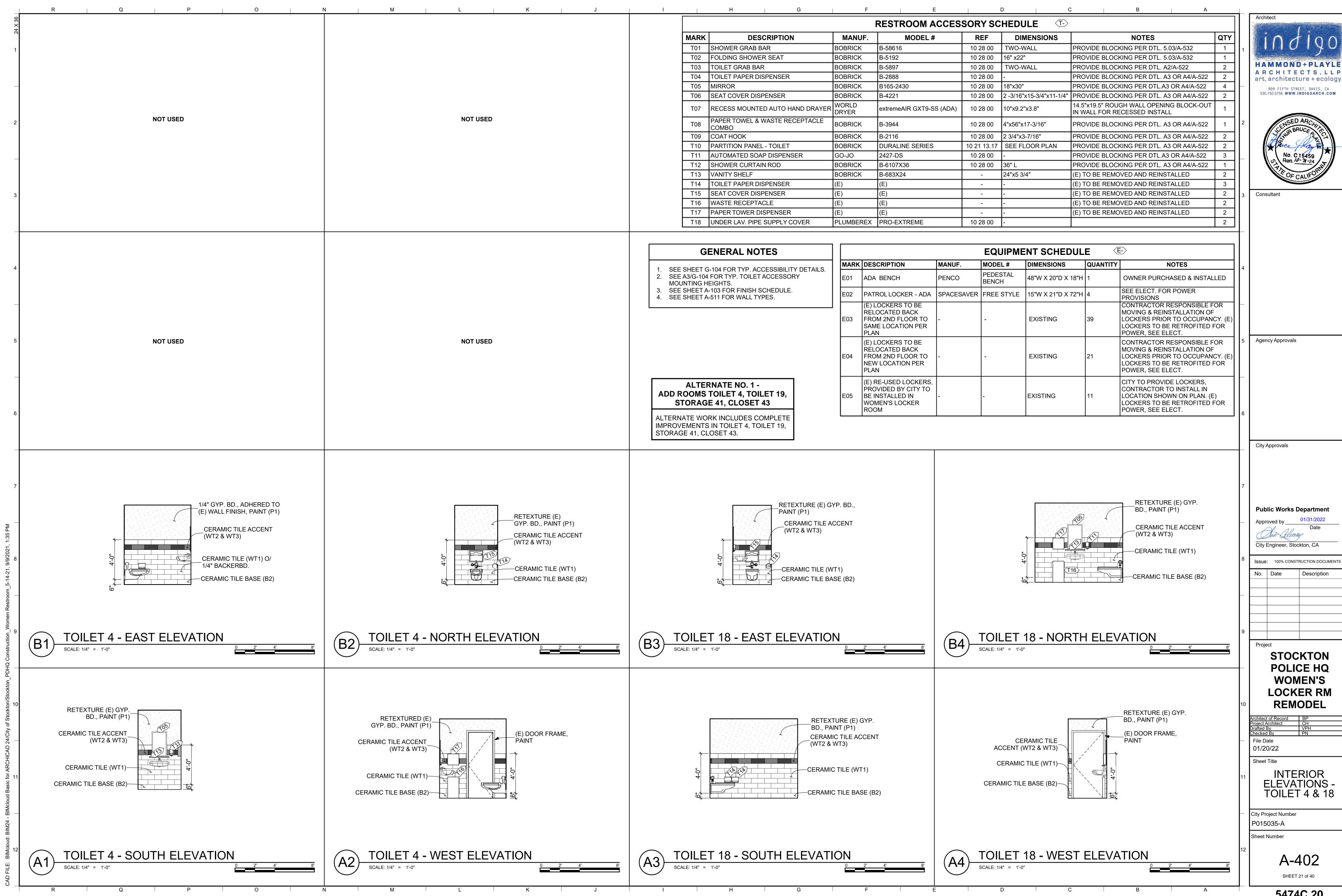


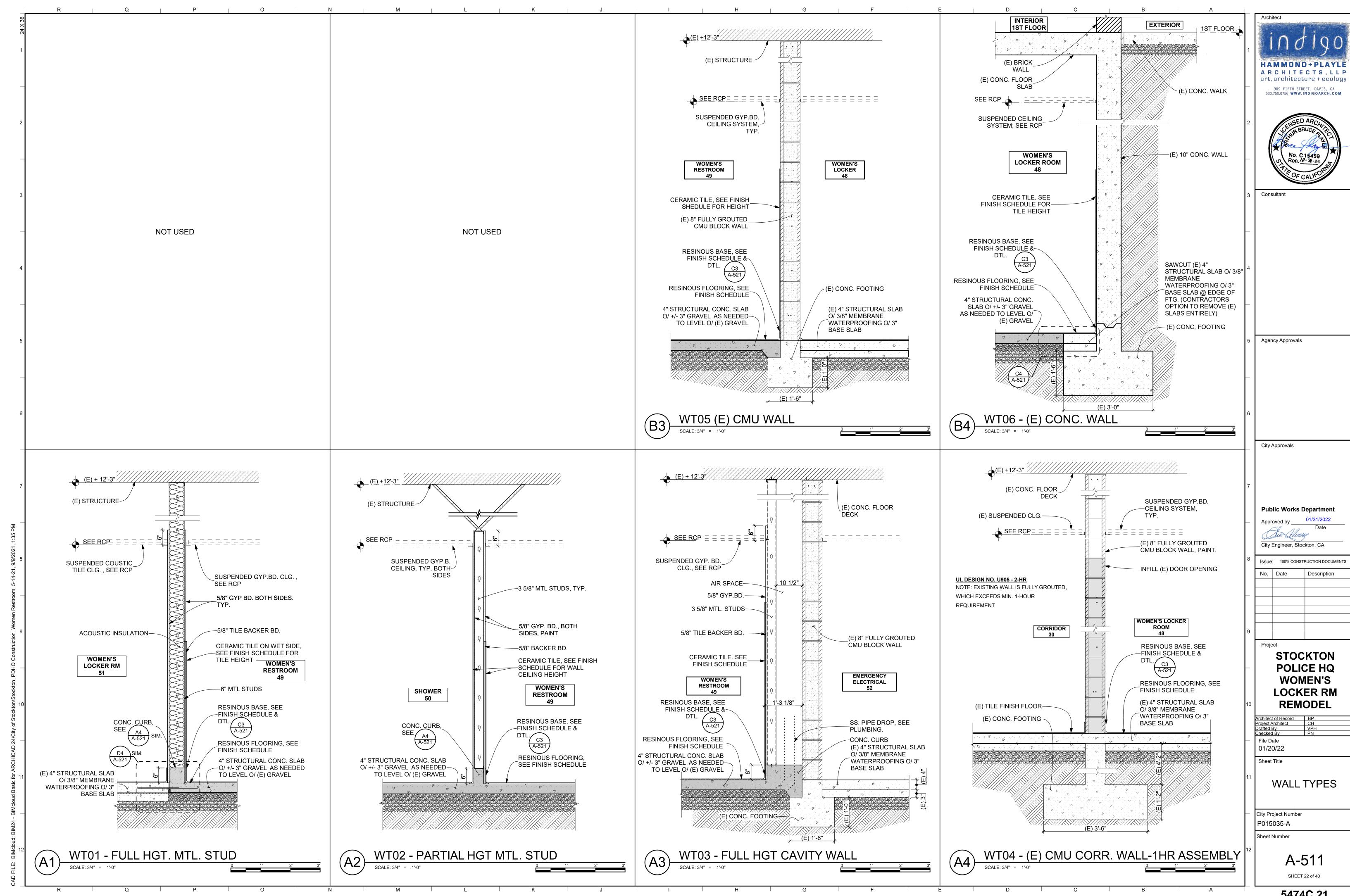
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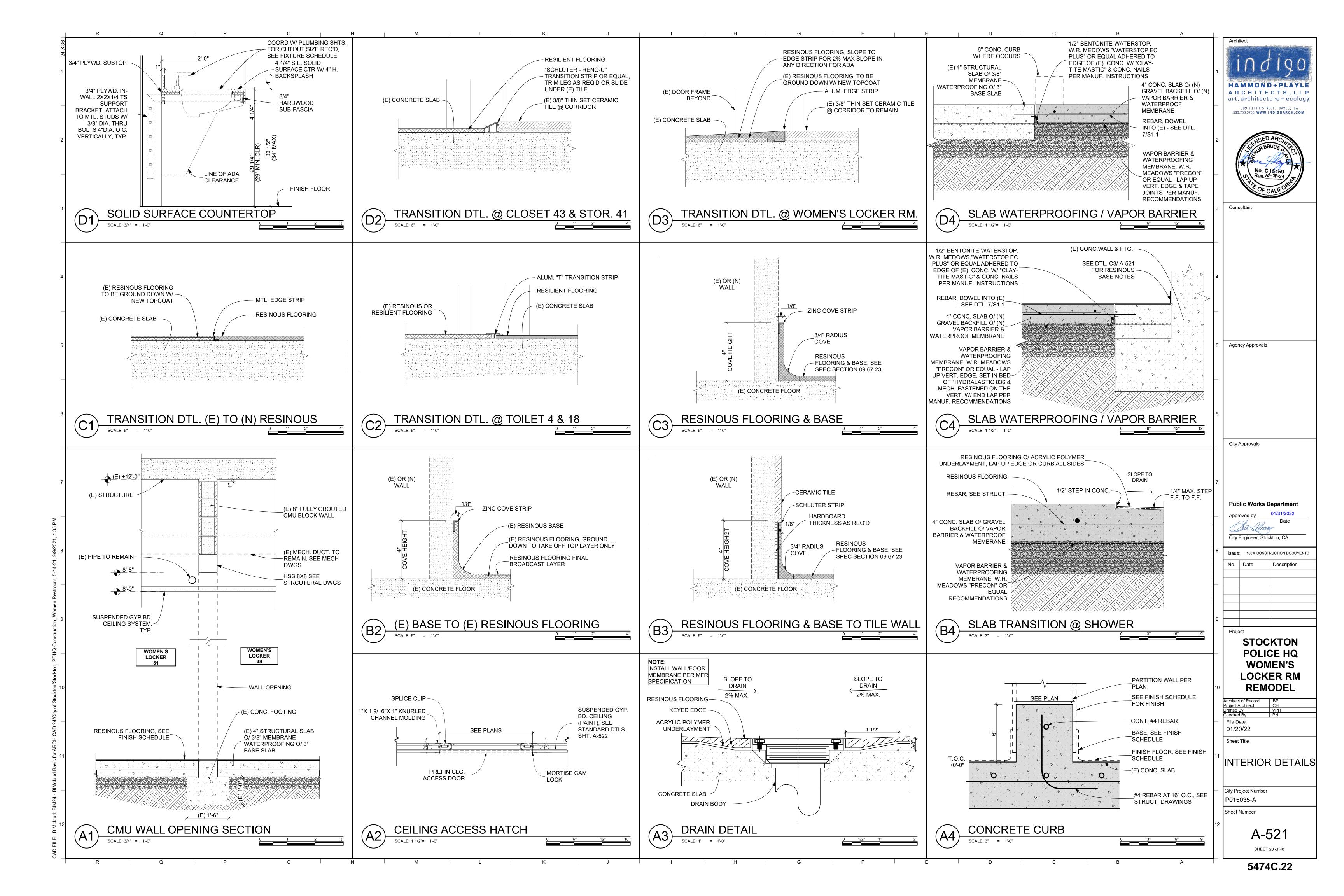
Issue: 100% CONSTRUCTION DOCUMENTS

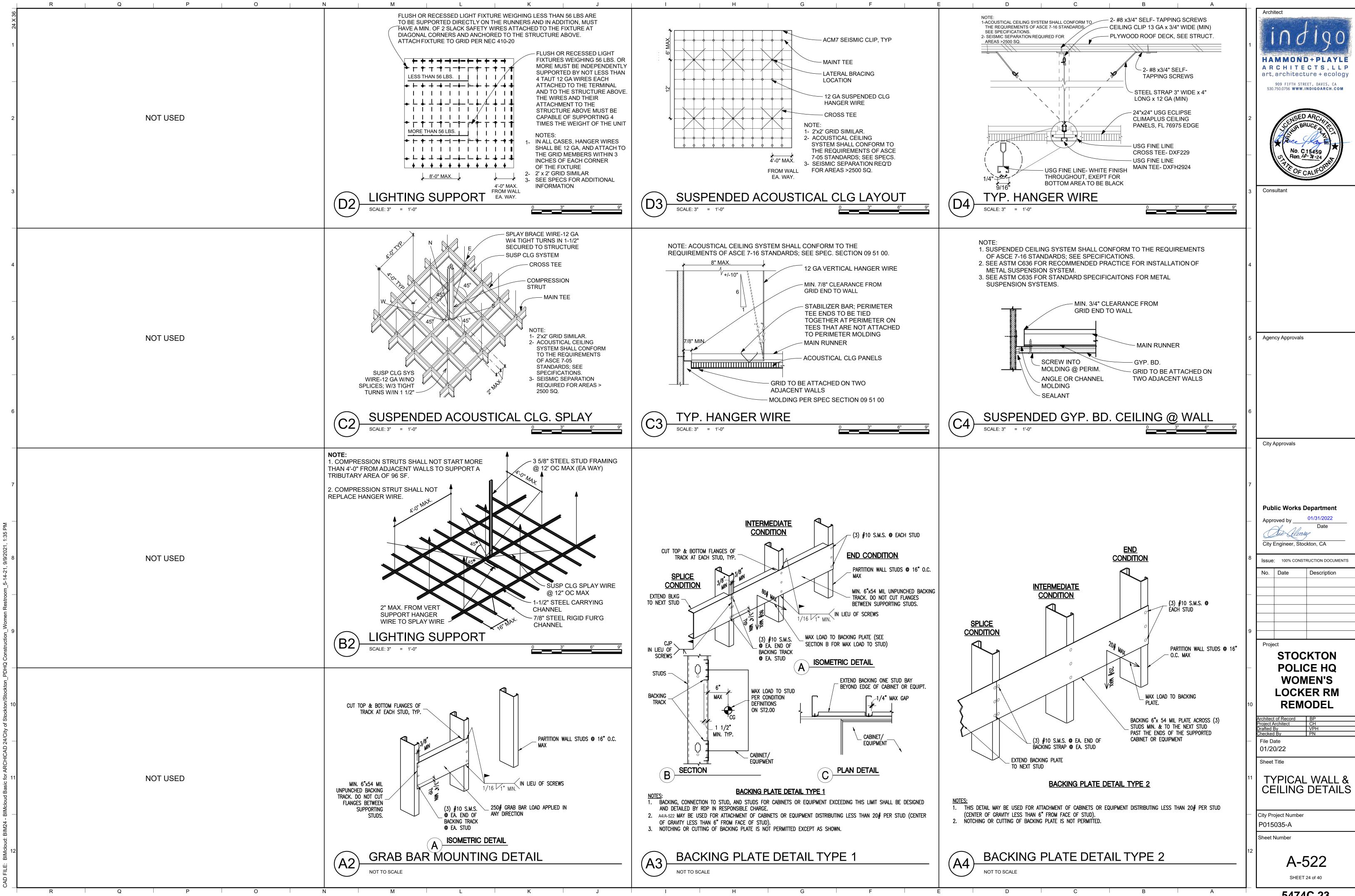
A-301 SHEET 19 of 40











#### **GENERAL NOTES**

- 1. ALL PLANS TO BE DESIGNED TO CODES 2019 CBC, CRC, CAL GREEN CODE CMC, CEC, 2019 CPC, (BASED ON THE 2018 IBC, 2018 IRC, 2019 CAL GREEN BUILDING STANDARDS CODE, 2018 UMC, 2018 UPC, 2017 NEC), AND 2019 ENERGY STANDARDS, AS AMENDED BY THE STATE OF CALIFORNIA AND LOCAL JURISDICTIONS.
- 2. PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 3. ALL WORK SHALL BE IN ACCORDANCE WITH ALL FEDERAL, STATE, CITY AND LOCAL CODES AND ORDINANCES.
- 4. THE CONTRACTOR SHALL READ ALL OF THE GENERAL NOTES, SPECIFICATIONS AND PLANS AND SHALL BE SATISFIED TO THEIR TRUE MEANING AND INTENT AND SHALL BE RESPONSIBLE FOR COMPLYING WITH EACH. WHEREVER TWO OR MORE SPECIFICATIONS MAY CONFLICT, THE MORE STRINGENT SPECIFICATION SHALL TAKE PRECEDENCE.
- 5. IT IS INTENDED THAT THESE PLANS AND SPECIFICATIONS REQUIRE ALL LABOR AND MATERIAL NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THIS WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY REGARDING ANY DISCREPANCIES OR AMBIGUITIES THAT MAY EXIST IN THE PLANS AND/OR SPECIFICATIONS PRIOR TO SUBMITTING BID. THE OWNER'S REPRESENTATIVE AND THE ENGINEER'S INTERPRETATION THEREOF SHALL BE CONCLUSIVE.
- 6. THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY FIELD CHANGES MADE WITHOUT PRIOR WRITTEN AUTHORIZATION FROM THE OWNERS REPRESENTATIVE.
- 7. CONTRACTOR SHALL INSTALL ALL PIPING AND DUCTWORK SYSTEMS TO BEST SUIT FIELD CONDITIONS. AND COORDINATE WITH THE INSTALLATION WORK OF OTHER TRADES. THE DRAWINGS ARE DIAGRAMMATIC AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION OF PIPING. NOTIFY CONSTRUCTION MANAGER OF ANY DEVIATIONS FROM THESE DRAWINGS PRIOR TO FABRICATION AND/OR INSTALLATION.
- 8. LOCATIONS AND DIMENSIONS OF EQUIPMENT, PIPING, AND THEIR SUPPORTS ARE SHOWN DIAGRAMMATICALLY AND SHALL NOT BE SCALED TO DETERMINE EXACT LOCATION OF PIPING OR DUCTWORK. ACTUAL DIMENSIONS AND LOCATIONS ARE DEPENDENT ON MATERIAL SUPPLIED BY CONTRACTORS. CONTRACTORS SHALL PROVIDE OR DETERMINE DIMENSIONS AND PROVIDE LAYOUT DRAWINGS FOR COORDINATION WITH OTHER TRADES IN ACCORDANCE WITH THE SPECIFICATIONS.
- 9. CONTRACTOR SHALL REMOVE RUBBISH WASTE MATERIALS ON DAILY BASIS AND PROTECT AREAS FROM DAMAGE WHICH MAY OCCUR DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE WHICH MAY OCCUR.
- 10. ALL WORK SHOWN ANYWHERE ON THE DRAWINGS IS INCLUDED; SHOULD AN ITEM (SUCH AS A VALVE) BE SHOWN ON A DETAIL OR SCHEMATIC BUT NOT ON A PLAN VIEW OR VICE VERSA, IT MUST BE PROVIDED AS THOUGH IT WERE SHOWN IN ALL PLACES ON THE DRAWINGS.
- 11. CONTRACTOR SHALL FURNISH ALL NECESSARY STRUCTURES, INSERTS, SLEEVES, HANGING DEVICES, MISCELLANEOUS ANGLES, CHANNELS, UNISTRUT ETC. FOR INSTALLATION OF MECHANICAL AND PLUMBING EQUIPMENT, DUCTWORK AND PIPING, ETC. CONTRACTOR SHALL COORDINATE WITH GENERAL CONTRACTOR AND ALL BUILDING TRADES TO AVOID CONFLICTS AND TO MAINTAIN EQUIPMENT ACCESS AND SERVICEABILITY.
- 12. EACH MECHANICAL APPLIANCE SHALL BE APPROVED BY THE ADMINISTRATIVE AUTHORITY FOR SAFE USE OR COMPLY WITH APPLICABLE NATIONALLY RECOGNIZED STANDARDS AS EVIDENCED BY THE LISTING AND LABEL OF AN APPROVED AGENCY.
- 13. THERMOSTAT SETPOINTS SHALL BE PER CALIFORNIA T-24 REQUIREMENT. ANY DEVIATION FROM THESE SETPOINTS BECOMES THE RESPONSIBILITY OF THE USER OR CONTRACTOR.
- 14. SUMMARY OF INDIVIDUALLY SUPPORTED PIPING SYSTEMS THAT ARE EXEMPT FROM DESIGN FOR SEISMIC FORCES AND SEISMIC RELATIVE DISPLACEMENTS:

SYSTEM (E.G.) - STEEL OR COPPER	ΙP	EXEMPTIONS		
HEATING HOT AND CHILLED WATER CONDENSER WATER	1.0	<ol> <li>ALL PIPES ≤ 3" DIAMETER</li> <li>ALL PIPES EXEMPTED FOR THE IP=1.5 CASE BELOW</li> </ol>		
HIGH TEMPERATURE HOT WATER STEAM AND STEAM VENT CONDENSATE RETURN WATER BOILER FEED WATER AND BLOWDOWN DOMESTIC HOT AND COLD WATER FUEL OIL, GAS AND COMPRESSED AIR MEDICAL GASES AND VACUUM INDUSTRIAL AND IRRIGATION WATER SOFT WATER EMERGENCY COLD WATER GREASE WASTE AND VENT SANITARY WASTE AND VENT	1.5	<ol> <li>THE FOLLOWING PIPES (≤5 LBS/FT) WHERE A FLEXIBLE CONNECTION IS PROVIDED BETWEEN PIPES AND COMPONENTS.</li> <li>a. ≤2" DIAMETER VENT, GAS OR EMPTY SCH 40 STEEL PIPE.</li> <li>b. ≤1-1/2" DIAMETER SCH 40 STEEL PIPE.</li> <li>c. ≤3" DIAMETER VENT, GAS OR EMPTY COPPER PIPE.</li> <li>d. ≤2" DIAMETER COPPER PIPE</li> <li>e. ANY OTHER PIPING WITH AN OPERATING WEIGHT ≤5 LBS/FT.</li> <li>(NOTE: PIPES WITH HAZARDOUS CONTENTS (E.G. MEDICAL GASES, FUEL OIL, NATURAL GAS, ETC.) SHALL BE BRACED REGARDLESS OF WEIGHT. PIPE SIZE EXEMPTION 2 BELOW STILL APPLIES. NON-HAZARDOUS CONTENTS INCLUDE, BUT ARE NOT LIMITED TO, MEDICAL VACUUM AND COMPRESSED AIR.)</li> <li>2. ALL OTHER PIPES ≤1" DIAMETER</li> </ol>		
BRACING SHALL BE PER CBC SECTION 1616A. ACCEPTABLE SEISMIC BRACING DETAILS INCLUDE THOSE SHOWN IN				

15. IF THE CONTRACTOR CHOOSES TO SUBMIT AN ALTERNATE MANUFACTURER FOR ANY PIECE OF EQUIPMENT OR MATERIAL, THE CONTRACTOR IS RESPONSIBLE TO PROVIDE A SUBSTITUTION REQUEST AND COMPARISON OF SUBSTITUTION COMPARED TO THE BASIS OF DESIGN SCHEDULES EQUPMENT OR MATERIAL FOR REVIEW BY THE ENGINEER.

EATON COOPER B-LINE (OPM-0052-13) AND MASON WEST, INC. (OPM-0043-13, REFERENCED ABOVE).

16. ALL DUCTS THAT HAVE INTERNAL LINING, THE SIZE REPRESENTS THE NET INSIDE DIMENSION.

#### DIFFUSER, REGISTER AND GRILLE SCHEDULE NECK SIZE AND DEFLECTION ARE SHOWN ON FLOOR PLANS

			0122 71111		on the charm of the contract o
MARK	TITUS MODEL	BORDER TYPE	OBD	FINISH	REMARKS
SD-S	MCD	SURFACE	YES	STEEL MODULAR CORE, ADJUSTABLE, CEILING MOUNTED DIFFU PROVIDE WITH ROUND NECK ADAPTER & STD. FINISH.	
RG-S	350RL	SURFACE	NO	WHITE	STEEL CEILING RETURN AIR DIFFUSER, LONG FRONT BLADES, 35° DEFLECTION. PROVIDE WITH ROUND NECK ADAPTER & STD. FINISH.
EG-S	50F	SURFACE	NO	WHITE	ALUMINUM CEILING EXHAUST GRILLE WITH 1/2"x1/2"x1/2" ALUMINUM EGG CRATE GRILLE. PROVIDE WITH STD. FINISH.

# 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 AND 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 CHAPTERS 13, 26 AND 30:

- 1. ALL PERMANENT EQUIPMENT AND COMPONENTS. 2. TEMPORARY, MOVEABLE 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 110/20 VOLT RECEPTACLES HAVING A FLEXIBLE CABLE.
- TEMPORARY, MOVEABLE 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 SUPPORTS THE COMPONENT IS 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 HAVING A CENTER OF MASS LOCATED 4 FEET OR LESS ABOVE THE
- B. COMPONENTS WEIGHING LESS 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.

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, AND 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 SECTIONS 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.

ADJACENT FLOOR OR ROOF LEVEL THAT DIRECTLY SUPPORTS THE COMPONENT.

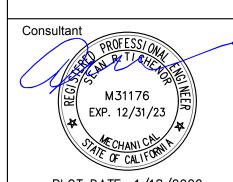
THE METHOD OF SHOWING BRACING AND ATTACHMENTS TO THE STRUCTURE FOR THE IDENTIFIED DISTRIBUTION SYSTEM ARE AS NOTED BELOW. WHEN BRACING AND ATTACHMENTS ARE BASED ON A PREAPPROVED INSTALLATION GUIDE (E.G., OSHPD OPM FOR 2013 CBC OR LATER), COPIES OF THE BRACING SYSTEM INSTALLATION GUIDE OR MANUAL SHALL 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—APPROVAL (OPM #)

HAMMOND+PLAYLE ARCHITECTS, LLP art, architecture + ecology 909 FIFTH STREET, DAVIS, CA 530.750.0756 WWW.INDIGOARCH.COM



PLOT DATE: 1/18/2022 mechanical electrical 2411 Alhambra Blvd, Ste. 100 Sacramento, CA 95817 Tel (916) 447-2841

Agency Approvals

www.peterseng.com

Job no. 21.034

City Approvals

**Public Works Department** Approved by \_\_\_\_\_\_01/31/2022 Die Alvary

City Engineer, Stockton, CA

	Issue	:	
	No.	Date	Description
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9			

Project STOCKTON **POLICE HQ WOMEN'S LOCKER RM** 

REMODEL File Date

01/20/22

Sheet Title

SYMBOLS & NOTES

City Project Number P015035-A

SHEET LIST

SYMBOLS & NOTES

OVERALL FLOOR PLAN - DEMOLITION

ENLARGED FLOOR PLAN — DEMOLITION

OVERALL FLOOR PLAN - MECHANICAL

ENLARGED FLOOR PLAN - MECHANICAL

SHEET NUMBER SHEET TITLE

M - 001

M - 100

M - 101M - 200 Sheet Number

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12x12	12x12 R=36 RETURN DUCT DROP	24x12 \( \frac{1}{24x12} \)	10/14 MVD 24x12 16x12
24x12	TURNING VANES ————————————————————————————————————	16 4/36/8 10x8 48x12 12x12 38x12	TRANSITIONAL RADIUS ELBOW  48x12  12x12  TRANSITIONAL RADIUS ELBOW  4/36/8  38x12  TRANSITION
7 <sup>24×12</sup> 12×12	VANE ANGLE  TURNING VANES  12x12  VANE ANGLE  VANE ANGLE  TURNING VANES  20*-29* 15* DEFLECTROL  30*-50* AIRTURN	4/36/8 10x12 48x12 38x12 12x12	SQUARE ELBOW W/ DUCT TURN  36" 4/36/8  48x12 12x12 TRANSITION
12x127 12"ø MVD	MVD SQUARE TO ROUND TRANSITION	18 12x127 24x12	1 IN 6 MAX.  1 IN 6 MAX.  1 IN 6 MAX.  1 IN 2 MAX.  1 IN 3 MAX.  1 IN 3 MAX.  1 IN 4 MAX.  1 IN 5 MAX.  1 IN 5 MAX.  1 IN 6 MAX.  1 IN 6 MAX.  1 IN 7 MAX.  1 IN 8 MAX.  1 IN 8 MAX.  1 IN 8 MAX.  1 IN 9 MAX.  1 IN
24x12 -16x12 30x5 -7/5	24x7 ABOVE 7/5 SPLIT TRANSITION 16x12 TRANSITIONAL RADIUS ELBOW 30x5	19 12x127 24x12	1 IN 2 24x12 MAX.  1 IN 2 CANTRACTING FLOW
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	24x7 ABOVE————————————————————————————————————	20 —24x12 12x6 — 🔻	DEFLECTROL & 24x12 BRANCH DUCT SAME SIZE  CEILING DIFFUSER  DIFFUSER  24x12 12x6 10'MAX. LENGTH - OVER 10' USE NO. 6,7,8 OR 9
14/10 716x12 24x12 14x10	24x12 TRANSITION  14/10 TRANSITION  TRANSITIONAL  RADIUS ELBOW	21 24x12 F	DEFLECTROL AND BRANCH SAME SIZE 24x12 SIDEWALL REGISTER OR GRILLE OR GRILLE  DAMPER 10'MAX. LENGTH — OVER 10' USE NO. 6,7,8 OR 9
14/10 716x12 24x12 14x12 ICHES UNLESS THERWISE NOTED.	24x12 TRANSITION  24x12 SQUARE ELBOW W/ TURNING VANES	22 -24x12	DEFLECTROL AND BRANCH SAME SIZE AS NECK SIZE CEILING DIFFUSER
12"ø 10"ø  DICATES ROUND DUCTS INCHES, TYPICAL	12"ø 10"ø 12"ø 10"ø 45øTEE ELONGATED	23 FLEX DUCT	BRANCH-SEE PLAN FOR SIZE  CEILING DIFFUSER
	SUPPLY DUCT RISE  AIR FLOW  AIR FLOW  SUPPLY DUCT DROP	24	SHOE FITTING WITH MVD
	RETURN OR EXHAUST AIR RISE  AIR FLOW AIR FLOW RETURN OR EXHAUST AIR DROP	25	CONICAL FITTING WITH MVD
	CONICAL FITTING	26	ACOUSTICALLY LINED SHEET METAL DUCT SIZE SHOWN IS NET INSIDE DIMENSION

Architect **SHEET NOTES:** 1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY. HAMMOND+PLAYLE ARCHITECTS, LLP art, architecture + ecology 909 FIFTH STREET, DAVIS, CA 530.750.0756 WWW.INDIGOARCH.COM **ALTERNATE NO. 1 -**ADD ROOMS TOILET 4, TOILET 19, STORAGE 41, CLOSET 43 ALTERNATE WORK INCLUDES COMPLETE IMPROVEMENTS IN TOILET 4, TOILET 19, STORAGE 41, CLOSET 43. Consultant EXP. 12/31/23 PLOT DATE: 1/18/2022 mechanical PETERS and electrical 2411 Alhambra Blvd, Ste. 100 Sacramento, CA 95817 Tel (916) 447-2841 www.peterseng.com Job no. 21.034 Agency Approvals EXISTING SERVER/COMPUTER ROOM TO BE LEFT AS IS. NO CHANGES IN DUCTWORK OR AIR-FLOWS. City Approvals COMPUTER ROOM **AREA WAY** STORAGE **Public Works Department** Approved by 01/31/2022 (E) 22x12 SA DUCT FROM ZONE 6 — COMMUNICATIONS Die Llury EQUIPMENT City Engineer, Stockton, CA ZONE 1 2 MENS LOCKER RM. **FILTER** ZONE 9 2 BIKE PATROL **ROOM** MECHANICAL EQUIPMENT 55 No. Date Description **EQUIPMENT** ELEV. TOILET D 41 MEN'S (E) RESTROOM/ STORAGE FIRE SPRINKLER (E) SD ALL GENDER-RESTROOM 15 STAIR 2 STAIR 1 13 42 GLOSET Fire Cabinet Project **STOCKTON POLICE HQ AREA WAY WOMEN'S BOILER ROOM LOCKER RM** REMODEL (E) IEF TO REMAIN— MENS LOCKER RM. File Date 01/20/22 **EMERGENCY ELECTRICAL** Sheet Title OVERALL FLOOR PLAN -**DEMOLITION** City Project Number P015035-A Sheet Number OVERALL FLOOR PLAN - DEMOLITION
SCALE: 1/8" • 1'-0" M-100 SHEET 26 of 40

# FIRE PROTECTION GENERAL NOTES

- 1. THE AUTOMATIC WET PIPE SPRINKLER SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 EDITION OF NFPA PAMPHLET #13.
- 2. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION AND TYPE OF EXISTING SPRINKLER SYSTEM, IF ANY) HAVE BEEN APPROVED BY THE LOCAL AUTHORITY. A STAMPED SET OF APPROVED DRAWINGS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM THE APPROVED PLANS, INCLUDING THE SUBSTITUTION OF ANY COMPONENTS SHALL BE APPROVED BY THE LOCAL AUTHORITY. FAILURE TO COMPLY MAY RESULT IN A STOP WORK ORDER.
- 3. NFPA 13 (2019) SEC. 9.3.6.3 THE END SPRINKLER ON A LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT.
- 4. NFPA 13 (2019) SEC. 9.3.6 PROVIDE RESTRAINT OF BRANCH LINES TO MEET CODE.

2019 CALIFORNIA REFERENCED STANDARDS CODE (PART 12, TITLE 24, CCR)

2019 NFPA 24 - PRIVATE FIRE MAINS 2019 NFPA 14 - STANDPIPE SYSTEMS

5. FIRE PROTECTION SCOPE IS DESIGN BUILD TO BE PROVIDED BY A LICENSED CONTRACTOR AND REQUIRES OUTSIDE ENGINEERING AND SEPARATE SUBMITTALS TO THE BUILDING DEPARTMENT FOR REVIEW AND PERMITTING. SUBMIT ITEMS TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CITY REVIEW PER CITY OF STOCKTON MUNICIPAL

# APPLICABLE CODES

2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATION CODE, TITLE 24,CCR 2019 CALIFORNIA BUILDING STANDARDS ADMINISTRATION CODE, TITLE 24, CCR
2019 CALIFORNIA BUILDING CODE (PART 2, VOLUME 1 AND 2, TITLE 24) (2015 INTERNATIONAL BUILDING CODE)
2019 CALIFORNIA ELECTRICAL CODE (PART 3, TITLE 24, CCR) (2015 NATIONAL ELECTRICAL CODE)
2019 CALIFORNIA MECHANICAL CODE (PART 4, TITLE 24, CCR) (2015 UNIFORM MECHANICAL CODE) 2019 CALIFORNIA PLUMBING CODE (PART 5, TITLE 24, CCR) (2015 UNIFORM PLUMBING CODE)
2019 CALIFORNIA FIRE CODE (PART 9, TITLE 24, CCR) (2015 INTERNATIONAL FIRE CODE) 2019 NFPA 13 — STANDARD FOR THE INSTALLATION OF SPRINKLER SYSTEMS
2019 CALIFORNIA GREEN BUILDING STANDARDS CODE

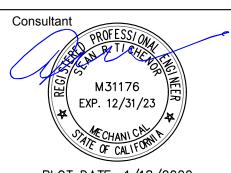
SHEET NOTES:

1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.

HAMMOND+PLAYLE ARCHITECTS, LLP art, architecture + ecology 909 FIFTH STREET, DAVIS, CA 530.750.0756 WWW.INDIGOARCH.COM

**KEYED NOTES:** 

(1) REMOVE EXISTING EXHAUST GRILLE, SUPPLY DIFFUSER, DUCTWORK, SUPPORTS, ETC. UP TO POINT OF DEMOLITION SHOWN. PATCH TO MATCH EXISTING CEILING FINISHES.



PLOT DATE: 1/18/2022



Agency Approvals

City Approvals

Public Works Departmen

City Engineer, Stockton, CA

Project **STOCKTON POLICE HQ WOMEN'S LOCKER RM** 

REMODEL

01/20/22

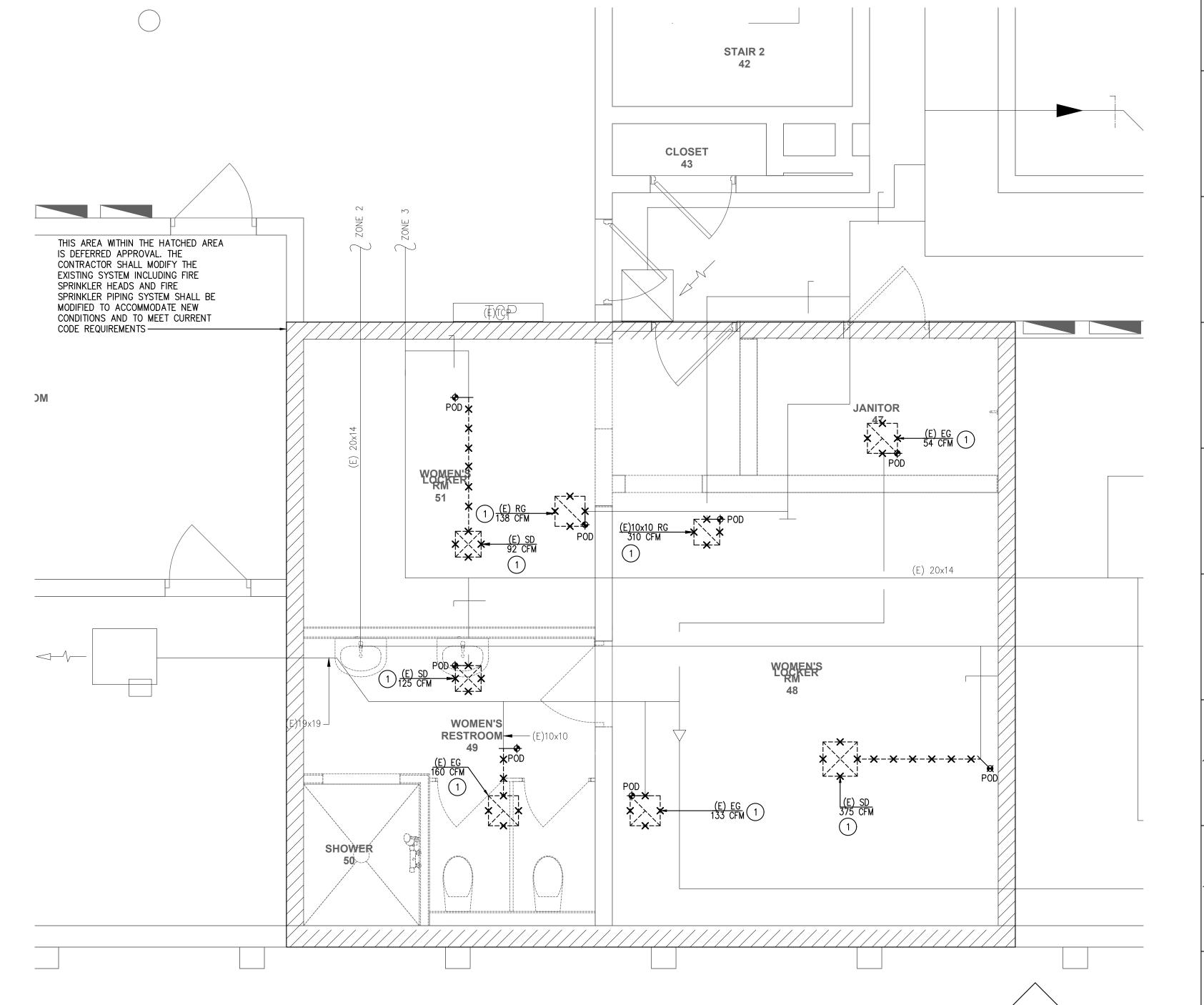
**ENLARGED** FLOOR PLAN -**DEMOLITION** 

City Project Number P015035-A

Sheet Number

M-101 SHEET 27 of 40

5474C.26



ENLARGED FLOOR PLAN - DEMOLITION

SCALE: 3/8" - 1'-0"

Architect **SHEET NOTES:** 1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY. HAMMOND+PLAYLE ARCHITECTS, LLP art, architecture + ecology **ALTERNATE NO. 1 -**909 FIFTH STREET, DAVIS, CA 530.750.0756 WWW.INDIGOARCH.COM **ADD ROOMS TOILET 4, TOILET 19,** STORAGE 41, CLOSET 43 ALTERNATE WORK INCLUDES COMPLETE IMPROVEMENTS IN TOILET 4, TOILET 19, STORAGE 41, CLOSET 43. Consultant EXP. 12/31/23 PLOT DATE: 1/18/2022 mechanical PETERS and electrical 2411 Alhambra Blvd, Ste. 100 Sacramento, CA 95817 Tel (916) 447-2841 www.peterseng.com Job no. 21.034 Agency Approvals EXISTING SERVER/COMPUTER ROOM TO BE LEFT AS IS. NO CHANGES IN DUCTWORK OR AIR-FLOWS. City Approvals COMPUTER ROOM **AREA WAY** STORAGE **Public Works Department** Approved by 01/31/2022 └(E) 22x12 SA DUCT FROM ZONE 6 — COMMUNICATIONS Die Llvary **EQUIPMENT** City Engineer, Stockton, CA **FILTER** MENS LOCKER RM. **ROOM** MECHANICAL EQUIPMENT 55 No. Date TOILET . 41 RESTROOM/ STORAGE ALL GENDER-RESTROOM STAIR 2 STAIR 1 13 42 GLOSET Fire Cabinet Project **STOCKTON POLICE HQ AREA WAY WOMEN'S BOILER ROOM LOCKER RM** REMODEL (E) IEF TO REMAIN — File Date 01/20/22 **EMERGENCY ELECTRICAL** Sheet Title OVERALL FLOOR PLAN -**MECHANICAL** City Project Number P015035-A Sheet Number OVERALL FLOOR PLAN - MECHANICAL

SCALE: 1/8" • 1'-0" M-200 SHEET 28 of 40

# FIRE PROTECTION GENERAL NOTES

- 1. THE AUTOMATIC WET PIPE SPRINKLER SYSTEMS SHALL CONFORM TO THE REQUIREMENTS OF THE 2019 EDITION OF NFPA PAMPHLET #13.
- 2. INSTALLATION OF THE SPRINKLER SYSTEM SHALL NOT BE STARTED UNTIL COMPLETE PLANS AND SPECIFICATIONS (INCLUDING WATER SUPPLY INFORMATION AND TYPE OF EXISTING SPRINKLER SYSTEM, IF ANY) HAVE BEEN APPROVED BY THE LOCAL AUTHORITY. A STAMPED SET OF APPROVED DRAWINGS SHALL BE ON THE JOB SITE AND USED FOR INSTALLATION. ANY DEVIATION FROM THE APPROVED PLANS, INCLUDING THE SUBSTITUTION OF ANY COMPONENTS SHALL BE APPROVED BY THE LOCAL AUTHORITY. FAILURE TO COMPLY MAY RESULT IN A STOP WORK ORDER.
- 3. NFPA 13 (2019) SEC. 9.3.6.3 THE END SPRINKLER ON A LINE SHALL BE RESTRAINED AGAINST EXCESSIVE VERTICAL AND LATERAL MOVEMENT.
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5. FIRE PROTECTION SCOPE IS DESIGN BUILD TO BE PROVIDED BY A LICENSED CONTRACTOR AND REQUIRES OUTSIDE ENGINEERING AND SEPARATE SUBMITTALS TO THE BUILDING DEPARTMENT FOR REVIEW AND PERMITTING. SUBMIT ITEMS TO THE ARCHITECT FOR REVIEW AND APPROVAL PRIOR TO CITY REVIEW PER CITY OF STOCKTON MUNICIPAL

# APPLICABLE CODES

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> FLEX DUCT SAME AS HARD DUCT AND DIFFUSER NECK SIZE UNLESS NOTED OTHERWISE ---B FOR RESTRICTED SPACE. FLEX DUCT. MAX LENGTH 5 FEET. SEAL AIR TIGHT AT PLENUM COLLAR PLENUM SUSPEND FROM ABOVE AND AT SPIN-IN PER SPEC'S AND COLLAR — 1/2" MIN WIDTH DRAW BANDS ON COMPRESSION ENDS. — -12 GA.SLACK SAFETY WIRE (T-BAR) (TYP. OF 2) MOUNT DIAGONALLY, SEE ARCH. DWG'S. FOR ADDITIONAL SUPPORT AND BRACING DETAILS. SQUARE INSULATED DIFFUSER PLENUM 2" LARGER THAN DIFFUSER COLLAR & DUCT COLLAR - FLEX DUCT SAME SIZE AS HARD DUCT AND DIFFUSER FLEX DUCT. MAX 5 FEET LENGTH. NECK SIZE UNLESS NOTED SEAL AIR TIGHT AT BRANCH DUCT OTHERWISE (INSULATE TO AND AIR OUTLET DUCT EXTENSION AIR TERMINAL TO MATCH PER SPEC'S AND 1/2" MIN WIDTH DRAW CONNECTING DUCTWORK) BANDS ON COMPRÉSSION ENDS. — MAX BEND 90° A WHERE SPACE PERMITS. VOLUME DAMPER SEE PLAN ----12 GA.SLACK SAFETY WIRE (T-BAR) MIN BEND RADIUS=1.5 X FLEX (TYP. OF 2) MOUNT DIAGONALLY, DUCT DIAM. — SEE ARCH. DWG'S. FOR ADDITIONAL SUPPORT AND BRACING DETAILS. (2) DIFFUSER DIAMETERS, MINIMUM.

2 TYPICAL DIFFUSER CONNECTION
SCALE: 3/8" • 1"-0"

# SHEET NOTES:

- 1. ALL EXISTING EQUIPMENT, DEVICES, CONDUIT AND WIRING, ETC., SHOWN ON PLANS ARE BASED ON AVAILABLE EXISTING DRAWINGS AND LIMITED SITE SURVEYS, AND SHOWN FOR CLARITY ONLY.
- 2. FLEXIBLE DUCT IS LIMITED TO 5'-0" IN LENGTH. PROVIDE MANUAL VOLUME DAMPER AT EVERY BRANCH DUCT. 4. PROVIDE SHOE FITTING AT ALL RECTANGULAR TO RECTANGULAR DUCT
- BRANCHES. 5. PROVIDE CONICAL FITTING AT ALL RECTANGULAR TO ROUND DUCT
- BRANCHES. 6. NO FLEXIBLE DUCT SHALL BE USED ON EXHAUST SYSTEM DUCTS.

## **KEYED NOTES:**

- 1 INSTALL NEW SUPPLY DIFFUSER, RETURN GRILLE OR EXHAUST GRILLE AT LOCATION SHOWN. CONNECT AND EXTEND NEW DUCTWORK, AS NECESSARY, TO EXISTING DUCTWORK. SEAL NEW DUCT CONNECTIONS AIR-TIGHT, TYPICAL.
- 2 ROUTE DUCTWORK TIGHT TO UNDERSIDE OF ROOF FRAMING MEMBERS, FIELD COORDINATE DUCT ROUTING WITH STRUCTURAL MEMBERS, PIPING, SUPPORTS, LIGHT FIXTURES, ETC. PROVIDE DUCT SUPPORT EVERY 10'-8" AND EACH TURN OF DIRECTION. SEE DETAILS 5/M3.1 & 6/M3.1, TYPICAL.
- 3 > FURNISH AND INSTALL MANUAL VOLUME DAMPERS IN INDIVIDUAL BRANCH DUCT. BALANCE TO AIR VOLUME SHOWN, TYPICAL.



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Architect

PLOT DATE: 1/18/2022



Agency Approvals

City Approvals

**Public Works Department** 

Approved by \_\_\_ City Engineer, Stockton, CA

Issue: No. Date Description

Project **STOCKTON POLICE HQ WOMEN'S** 

REMODEL

**LOCKER RM** 

File Date 01/20/22

Sheet Title

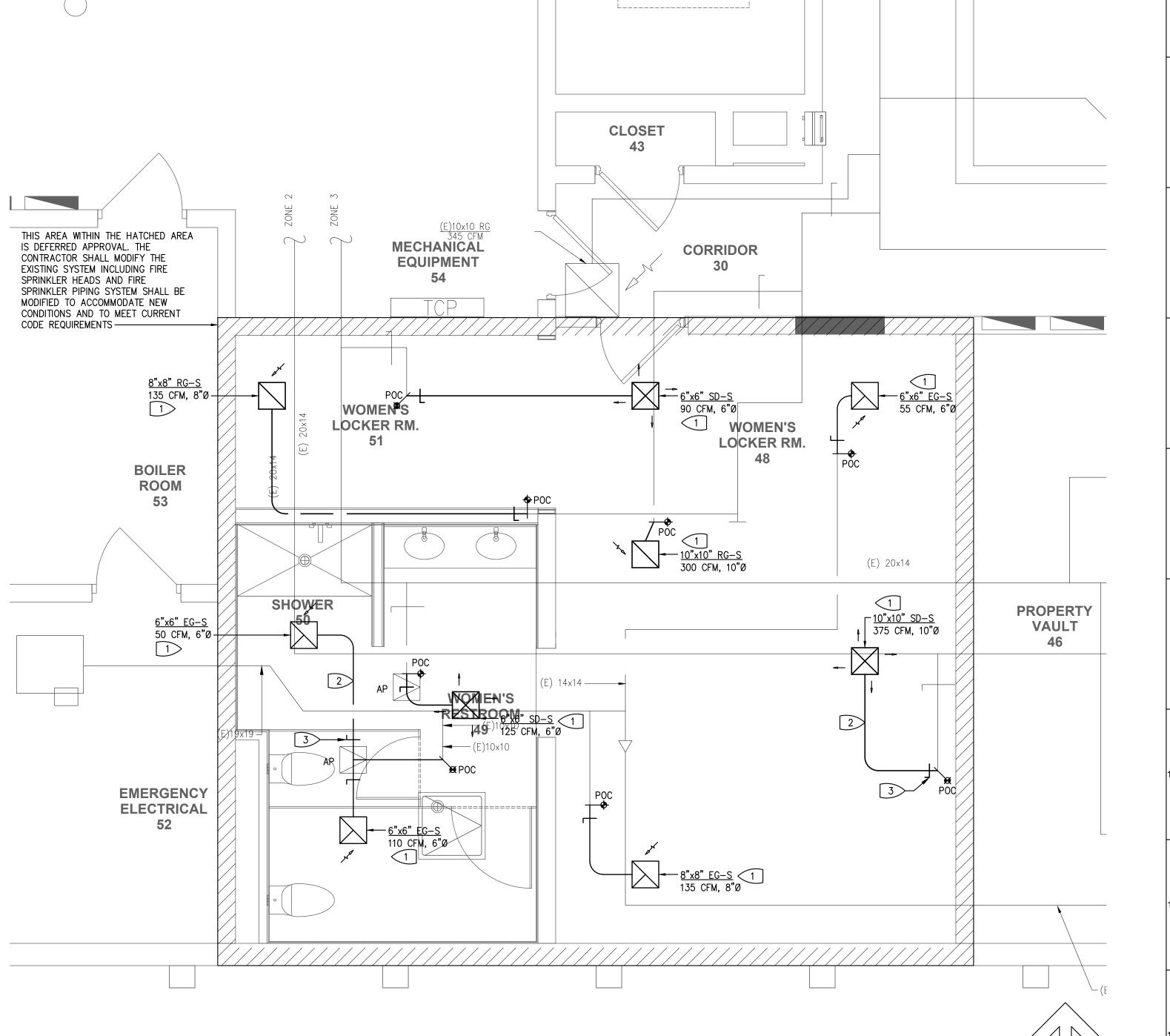
**ENLARGED** FLOOR PLAN -**MECHANICAL** 

City Project Number P015035-A

Sheet Number

M-201 SHEET 29 of 40

5474C.28



ENLARGED FLOOR PLAN - MECHANICAL

	PLUMBING FIXTURE CONNECTIONS								
EIVTUDE	SYMBOL		WASTE			COLD WATER		HOT WATER	
FIXTURE	SIMBOL	BRANCH	OUTLET	VENT	TRAP	BRANCH	OUTLET	BRANCH	OUTLET
WATER CLOSET	₩C	4"	4"	2"	_	1-1/2"	1"		
LAVATORY/SINK	C L/S	2"	1-1/2"	1-1/2"	1-1/2"	1/2"	3/8"	1/2"	3/8"
FLOOR DRAIN	<b>⊕</b> FD	2"	2"	1 1/2"	2"	1/2"	1/2"	_	
SHOWER	SH SH	2"	2"	1-1/2"	2"	3/4"	1/2"	3/4"	1/2"
HOSE BIBB	⊶ HB	_	_	_	<u> </u>	3/4"	3/4"	_	

	WATER HAMMER ARRESTOR SCHEDULE					
ARRESTOR SIZE	FIXTURE UNIT RATING (per table 6-4 2016 CPC)					
AA	1-4					
Α	5–11					
В	12-32					
С	33–60					
D	61–113					
E	114–154					
F	155-330					

	SHE	ET LIST TABLE
Sheet	Number	Sheet Title
P-001		SYMBOLS & NOTES
P-100		OVERALL FLOOR PLANS - DEMO & NEW
P-101		ENLARGED WOMEN'S LOCKER SHOWER AND RESTROOM
P-102		ENLARGED TOILET 4 & TOILET 18

# PLUMBING LEGEND

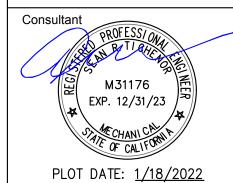
		HW	HOT WATER
ABC	ABOVE CEILING	HWR	HOT WATER RETURN
ADA	AMERICAN DISABILITIES ACT	(N)	NEW
AFF	ABOVE FINISH FLOOR	SS	SANITARY SEWER
CO	CLEAN OUT	SOV	SHUT OFF VALVE
CW	COLD WATER	TYP	TYPICAL
CWR	COLD WATER RISER	UF	UNDER FLOOR
E	EXISTING	US	UNDER SLAB
FA	FROM ABOVE	V	VENT
FB	FROM BELOW	VR	VENT RISER
FC0	FLOOR CLEANOUT	WCO	WALL CLEANOUT
FD	FLOOR DRAIN	WHA	WATER HAMMER ARRESTOR

## PLUMBING GENERAL NOTES

- 1. PLANS ARE NOT FOR CONSTRUCTION UNTIL APPROVED BY THE AUTHORITY HAVING JURISDICTION. THE CONTRACTOR SHALL NOT ORDER ANY MATERIALS OR INSTALL ANY EQUIPMENT, PIPING, ETC. UNTIL PLANS ARE APPROVED BY THE AUTHORITY HAVING JURISDICTION.
- 2. ALL FIXTURES WHITE UNLESS OTHERWISE NOTED.
- 3. PROVIDE FLOW CONTROL DEVICES ON LAVS AND SINKS PER T-24, PART 5, CCR.
- 4. ALL FIXTURES SHALL BE PROVIDED WITH STOP VALVES. VALVES MAY BE IN SUPPLY PIPES OR INTEGRAL WITH SUPPLY FITTINGS.
- 5. WHERE FLUSHOMETER VALVE CONFLICTS WITH GRAB BARS, CONTRACTOR SHALL MODIFY VACUUM BREAKER TUBE TO ENSURE VALVE AND GRAB BAR ARE ADEQUATELY SEPARATED.
- 6. CONTRACTOR SHALL COORDINATE ALL PLUMBING LINE LOCATIONS WITH OTHER TRADES.
- 7. REFER TO ARCHITECTURAL DRAWINGS FOR EXACT LOCATION OF FIXTURES AND MOUNTING HEIGHTS.
- 8. CONTRACTOR SHALL OBTAIN ALL NECESSARY PERMITS AND PAY ALL COSTS INVOLVED.
- 9. INSULATE HOT & COLD WATER SUPPLY PIPES, STOPS, P-TRAP AND DRAIN LINE AT EACH ADA LAVATORY AND SINK WITH ANTI-MICROBIAL, SEAMLESS, VANDAL RESISTANT PROTECTIVE PIPE COVER "PROWRAP" OR EQUAL.
- 10. ALL SANITARY SEWER VENT PIPE PENETRATIONS THROUGH ROOF SHALL TERMINATE AT A MINIMUM DISTANCE OF 10' FROM ANY FRESH AIR INTAKE.
- 11. MINIMUM LOCAL CONNECTION SIZES SHALL BE MADE IN ACCORDANCE WITH THE SCHEDULE OF CONNECTIONS.
- 12. ALL WATER PIPING SIZED IN ACCORDANCE WITH 2016 C.P.C. APPENDIX A.
- 13. ALL WASTE, WATER, FIRE AND STORM DRAIN PIPING SHALL BE STUBBED OUTSIDE BUILDING TO CONNECTION POINT SHOWN. SEE CIVIL DRAWINGS FOR CONTINUATION. CONTRACTOR SHALL MAKE FINAL CONNECTIONS TO SITE PIPING.
- 14. COORDINATE ALL TRENCHING WITH CONTRACTOR.
- 15. ALL HOSE BIBBS SHALL BE 3/4" AND MOUNTED AT 12" ABOVE FINISHED FLOOR UNLESS OTHERWISE NOTED. ALL HOSE BIBBS SHALL HAVE A NON-REMOVABLE VACUUM BREAKER.
- 16. CONTRACTOR SHALL VERIFY LOCATION AND ADEQUACY OF SIZE AND DEPTH OF EXISTING PLUMBING UTILITIES PRIOR TO COMMENCEMENT OF ANY WORK OR ORDERING ANY MATERIALS.
- 17. PROVIDE MATERIALS IN ACCORDANCE WITH 2016 CALIFORNIA PLUMBING CODE AND STATE CODE REGULATIONS.
- 18. CONTRACTOR SHALL SAWCUT AND PATCH EXISTING SLAB AS REQUIRED FOR INSTALLATION OF THE PIPING SYSTEM.
- 21. SEISMIC SUPPORTS AND BRACING FOR ALL PIPING SHALL BE PROVIDED IN ACCORDANCE WITH 2019 CBC SECTION 1613, 2016 ASCE7 SECTION 13.6.1 AND NFPA 13 STANDARDS FOR SUPPORT AND ANCHORAGE. METHODS AND MATERIALS PUBLISHED BY SMACNA AND APPROVED BY STATE AGENCIES SHALL BE USED.
- 22. THE WATER CLOSET CONTROLS (FLUSH HANDLE) MUST BE LOCATED ON THE CLEAR/ WIDE SIDE OF THE ACCESSIBLE WATER CLOSETS.
- 23. A SEPARATE FIRE PLAN CHECK SUBMITTAL AND FIRE PERMIT IS REQUIRED FOR WORK BEING CONDUCTED ON THE AUTOMATIC SPRINKLER SYSTEM. PLANS AND CALCULATIONS SHALL BE SUBMITTED TO THE LOCAL ADMINISTRATIVE AUTHORITY HAVING JURISDICTION (FIRE INSPECTOR/PLAN CHECKER) FOR PLAN CHECK APPROVAL. A PERMIT SHALL BE ACQUIRED.
- 25. HAZARDOUS AND COMBUSTIBLE MATERIAL LINES (E.G. GAS LINES) GREATER THAN 1" IN DIAMETER AND NON-HAZARDOUS LINES (E.G. WATER LINES) GREATER THAN 3" IN DIAMETER REQUIRE SEISMIC BRACING PER 2019 CBC SECTION 1617A.1.26. ACCEPTABLE SEISMIC BRACING DETAILS INCLUDE THOSE SHOWN IN THE EATON/COOPER B-LINE OPM-0052-13 WITH 2019 REVISIONS OR MASON INDUSTRIES OPM-0043-13 WITH 2019 REVISIONS. CONTRACTOR TO CONFIRM BRACING DETAILS WITH DESIGN TEAM.
- 26. ANY HORIZONTAL DRAINAGE PIPE SERVING SINKS OR URINALS SHALL BE PROVIDED WITH A CLEANOUT AT ITS UPPER TERMINAL PER CPC 2019 707.4. A CLEANOUT SHALL BE FURNISHED ABOVE THE FIXTURE CONNECTION FITTING SERVING EACH URINAL, REGARDLESS OF THE LOCATION OF THE URINAL IN THE BUILDING.
- 27. WHERE EXISTING FIXTURES ARE BEING REMOVED, THE CONTRACTOR SHALL INCLUDE THE REMOVAL OF ALL SUPPORT MECHANISMS SUCH AS CARRIERS, SUPPORT PLATES, PEDESTALS, ETC. AND SHALL PROVIDE DEMOLITION OF WALLS, FLOOR AND CONCRETE CURBS AS NECESSARY WHERE NEW FIXTURES ARE TO BE INSTALLED. THE CONTRACTOR SHALL COORDINATE THE INSTALLATION OF NEW CHAIR CARRIERS AND PEDESTAL SUPPORTS WITH THE NEW PLUMBING FIXTURE AND WITH ARCHITECTURAL AND STRUCTURAL.

		T LO	MBING FIXTURE SCHEDU		1
SYMBOL	MAKE	NUMBER	DESCRIPTION/TRIM	SUPPORT	MATERIAL
<u>WC-1</u>	KOHLER	K-84325-0 KINGSTON	FLUSH VALVE WATER CLOSET, TOP SPUD W/ ELONGATED BOWL.	WALL	VIT. CHINA
	SLOAN VALVE	ECOS 8111-1.28	LOW CONSUMPTION SENSOR FLUSH VALVE (1.28 GPF), PROVIDE WITH MANUAL OVERRIDE BUTTON.		
	(SENSOR) BATTERY		KOHLER K-4731-C OPEN FRONT WHITE SEAT, SUPPLY AND STOP, COMMERCIAL CLOSET CARRIER, MOUNTING HEIGHT PER ARCHITECTURAL PLANS, FLUSH VALVE LEVER ON WIDE SIDE OF STALL.		
			MOUNT FIXTURE AT HEIGHT INDICATED BY ARCHITECTURAL PLANS.		
<u>UR-1</u> ACCESSIBLE	KOHLER	K-4991-ET BARDON	WASHOUT URINAL, 3/4" TOP SPUD, 2" THREADED OUTLET.	WALL	VIT. CHINA
	SLOAN VALVE	ECOS 8186-0.125	SLOAN LOW CONSUMPTION (0.125 GPF) SENSOR FLUSH VALVE, SUPPLY AND STOP.		
	(SENSOR) BATTERY		PROVIDE COMMERCIAL CARRIER AND WALL CLEANOUT. MOUNTING HEIGHT PER ARCHITECTURAL PLANS.		
<u>L-1</u> ACCESIBLE	KOHLER	K-2196-4 PENNIGGTON	LAVATORY, 28" X 18" OVAL, 4" CENTERS, DROP IN SINK, PROVIDE P-TRAP, SUPPLIES AND STOPS AND CHECKS.	COUNTER	VIT. CHINA
	AMERICAN STANDARD (SENSOR) HARD WIRED	605B.205	HOT AND COLD SUPPLY, SENSOR OPERATED FAUCET, 0.5 GPM SINGLE INLET, 4" CENTERS. PROVIDE FLAT GRID STRAINER. PROVIDE AMERICAN STANDARD TRANSFORMER.		
			ELEC.: 100-240 VAC, 50/60 HZ		
			"LEONARD" MODEL 170-LF-BP-BRKT THERMOSTATIC MIXING VALVE, INTEGRAL CHECK VALVES, MOUNTING BRACKET, LEAD FREE, 0.25 GPM MIN. FLOW, LOCKING TEMPERATURE REGULATOR, 3/8" INLETS, 3/8" OUTLET, SET AT A MAX. TEMP. OF 120° F		
<u>L-2</u> ACCESIBLE	KOHLER	K-2032 GREENWICH	LAVATORY, 20-3/4" X 18-1/4" SQUARE, 4" CENTERS, WALL HUNG SINK, PROVIDE P-TRAP, SUPPLIES AND STOPS AND CHECKS. PROVIDE COMMERCIAL WALL CARRIER WITH CONCEALED ARM SUPPORTS.	WALL	VIT. CHINA
	AMERICAN STANDARD (SENSOR) HARD WIRED	605B.205	HOT AND COLD SUPPLY, SENSOR OPERATED FAUCET, 0.5 GPM SINGLE INLET, 4" CENTERS. PROVIDE FLAT GRID STRAINER. PROVIDE AMERICAN STANDARD TRANSFORMER.		
			ELEC.: 100-240 VAC, 50/60 HZ		
			"LEONARD" MODEL 170-LF-BP-BRKT THERMOSTATIC MIXING VALVE, INTEGRAL CHECK VALVES, MOUNTING BRACKET, LEAD FREE, 0.25 GPM MIN. FLOW, LOCKING TEMPERATURE REGULATOR, 3/8" INLETS, 3/8" OUTLET, SET AT A MAX. TEMP. OF 120° F		
<u>SH-1</u> ACCESIBLE	AMERICAN STANDARD	1662SG.211	1.5 GPM SINGLE HANDLE, 36" SLIDE BAR W/ 250 LB ANSI STANDARD PULL TEST, PRESSURE BALANCING SHOWER VALVE, HAND HELD SHOWER W/ PAUSE FEATURE, 59" METAL HOSE AND VACUUM BREAKER. 2" BRASS DRAIN. PROVIDE P-TRAP. ASSE 1016, ASME A112.18.1 & CSA B-125.	WALL	_
<u>FD</u>	ZURN	Z415B Z415S Z415SL Z415BL Z541	FLOOR DRAIN (CONCRETE FLOOR) — SEE PLAN FOR SIZE, CAST IRON P—TRAP.  FLOOR DRAIN (TILE FLOOR) — SEE PLANS FOR SIZE, CAST IRON P—TRAP.  FLOOR DRAIN (COMPOSITION TYPE FLOOR) —SEE PLAN FOR SIZE, CAST IRON P—TRAP.  FLOOR DRAIN (EPOXY TYPE FLOOR) —SEE PLAN FOR SIZE, CAST IRON P—TRAP.  FLOOR DRAIN (SERVICE AREAS) —SEE PLAN FOR SIZE, CAST IRON P—TRAP.	FLOOR	CAST IRON BODY W/ NICKEL-BRONZ STRAINER
		Z <b>4</b> 15I	FLOOR DRAIN (FOR INDIRECT DRAINS) —SEE PLAN FOR SIZE, CAST IRON P—TRAP, RECESS RIM FLUSH W/FLOOR.		
<u>HB</u>	ACORN	8151	HOSE BIBB (EXTERIOR) W/ INTEGRAL VACUUM BREAKER,STAINLESS STEEL RECESSED BOX WITH KEY	WALL	STAINLESS STEEL
		8126 8121	HOSE BIBB (ROOF) W/ INTEGRAL VACUUM BREAKER.  HOSE BIBB (INTERIOR) W/ INTEGRAL VACUUM BREAKER.	ROOF WALL	ROUGH BRONZE
<u>IP</u>	P.P.P.	P2-500	ADJUSTABLE TRAP PRIMER VALVE WITH UNION AND BALL VALVE. SUPPLY WITH DISTRIBUTION UNIT AS NECESSARY.		BRASS
<u>AP</u>	ELMDOR	DW SERIES	WALL ACCESS DOOR WITH CYLINDER LOCK	WALL	STAINLESS
	ELMDOR	FRC14X14	FIRE RATED ACCESS PANEL. 14" X 14", 16 GAUGE GALVANNEALED STEEL WITH PRIME COAT FINISH. AUTOMATIC CLOSER, SELF-LATCHING, 2" THICK FIRE RATED INSULATION, WELDED PAN TYPE. 1-1/2 HOUR FIRE RATING.	CEILING	STEEL PRIMER COATED
<u>WHA</u>	SIOUX CHIEF		PISTON OPERATED WATER HAMMER ARRESTER. SIZE AS RECOMMENDED BY MANUFACTURER.		LEAD FREE





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Agency Approvals

Job no. 21.034

City Approvals

Public Works Department

Approved by 01/31/2022

Date

City Engineer, Stockton, CA

No. Date Description

STOCKTON
POLICE HQ
WOMEN'S
LOCKER RM
REMODEL

Architect of Record BP
Project Architect CH
Drafted By Checked By ST

File Date

01/20/22

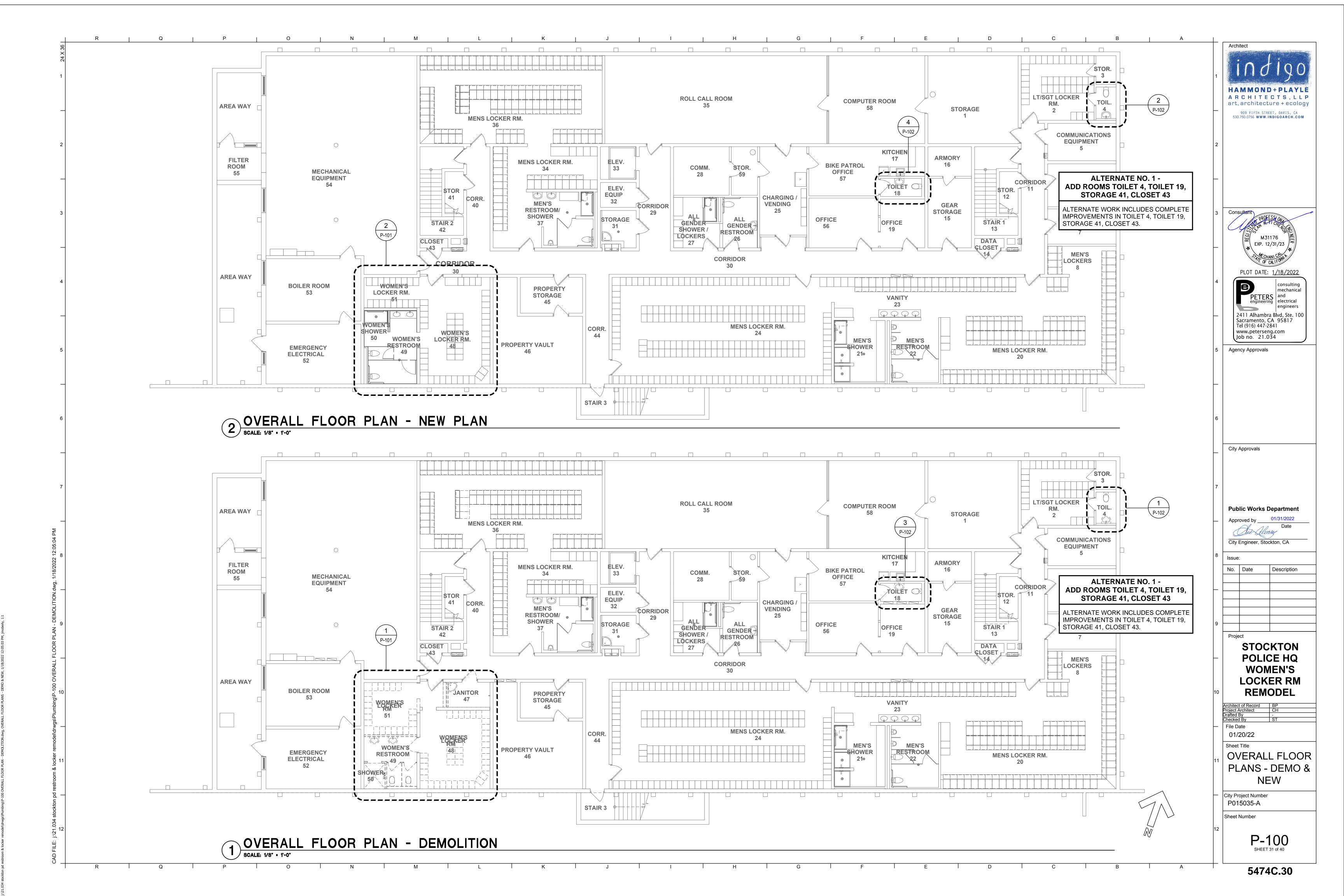
SYMBOLS & NOTES

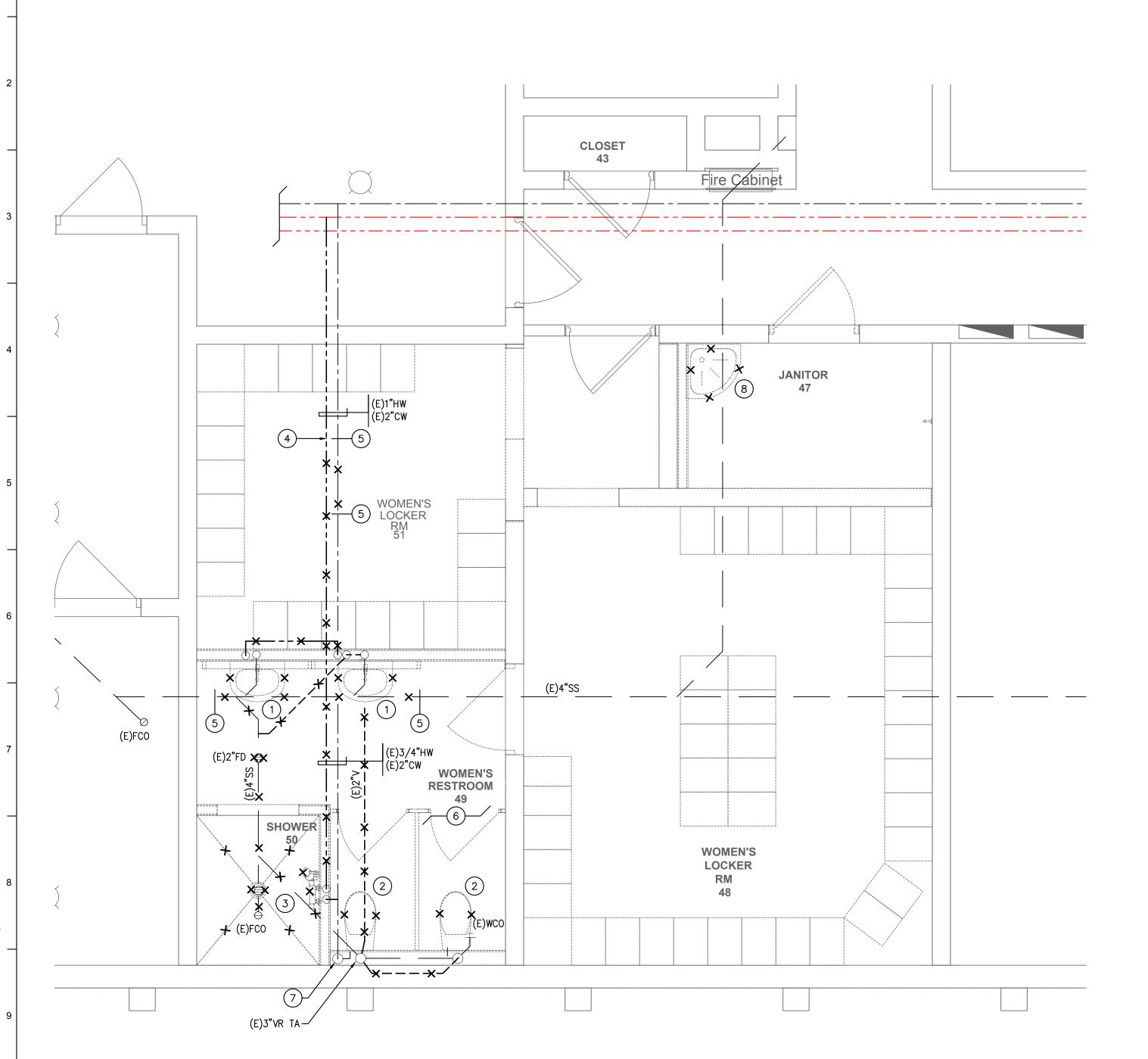
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# ENLARGED FLOOR PLAN - DEMOLITION SCALE: 3/8" • 1'-0"

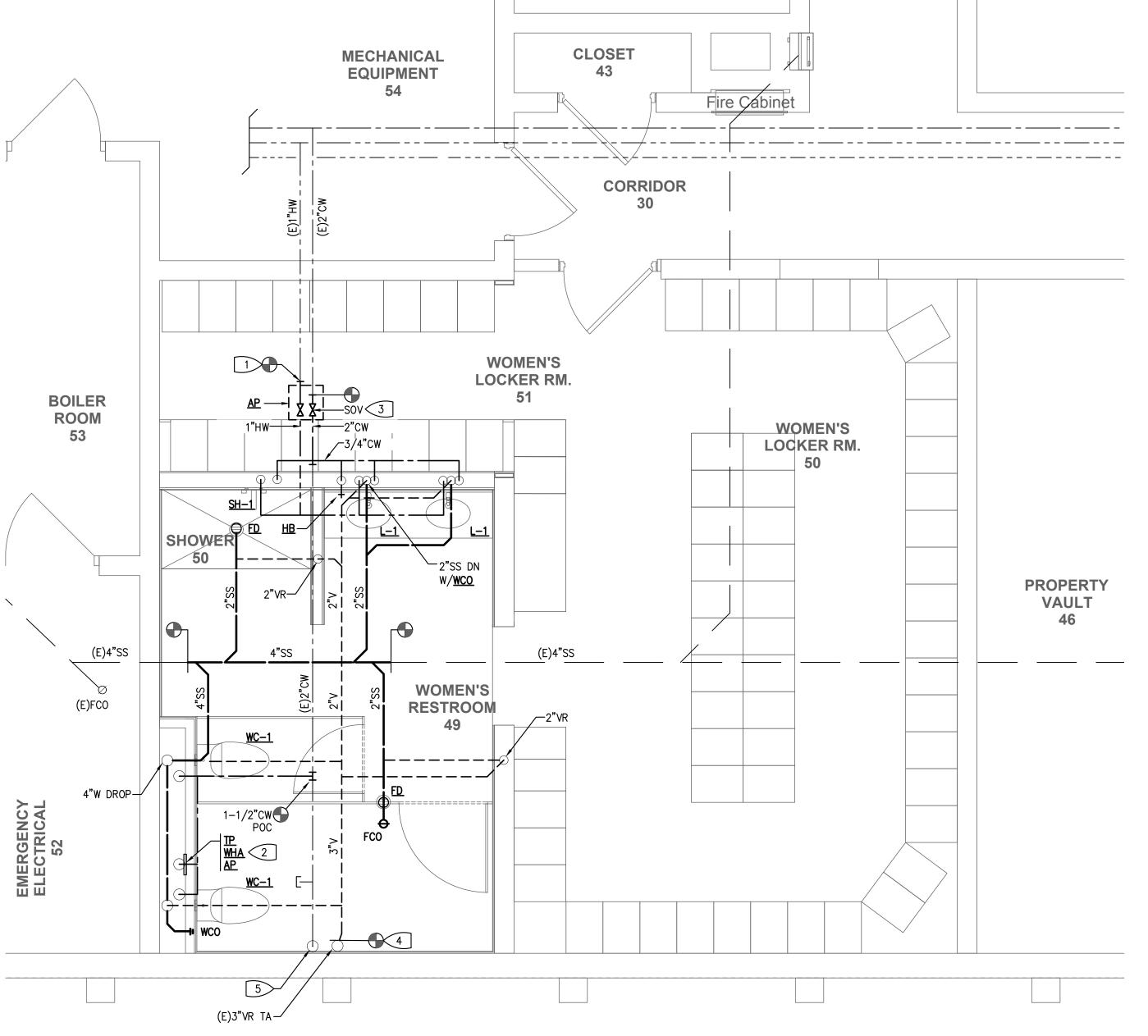
# **DEMOLITION KEYED NOTES:**

- REMOVE (E) LAVATORY, WALL SUPPORT, AND ALL APPURTENANCES. REMOVE WASTE BACK TO MAIN WASTE LINE. REMOVE COLD WATER BACK TO ACTIVE MAIN AND CAP. REMOVE HOT WATER BACK TO ACTIVE MAIN.
- REMOVE (E) WATER CLOSET AND ALL APPURTENANCES. REMOVE COLD WATER BACK TO ACTIVE MAIN IDENTIFIED BY DEMOLITION KEYNOTE #7. REMOVE WASTE BACK TO MAIN WASTE LINE AND REMOVE WALL CLEANOUT. REMOVE VENT BACK TO VENT RISER TO ABOVE AND CAP.
- REMOVE (E) SHOWER ASSEMBLY, DRAIN AND ALL APPURTENANCES. CAP COLD WATER AT ACTIVE MAIN. REMOVE HOT WATER BACK TO ACTIVE MAIN. REMOVE WASTE BACK TO MAIN WASTE LINE.
- DEMO WATER PIPING BACK TO POINT INDICATED BY THE KEYNOTE. SEE 2/P-101 FOR RECONNECTION.
- DEMO PIPING BETWEEN POINTS INDICATED BY THE KEYNOTE. SEE 2/P-101 FOR RECONNECTION.
- DEMO ANY WATER HAMMER ARRESTORS, TRAP PRIMERS, ACCESS PANELS AND ANY OTHER PLUMBING RELATED ITEMS NOT IDENTIFIED IN THIS AREA. PREPARE AREA FOR NEW LAYOUT. SEE 2/P-101.
- 7 EXISTING COLD WATER DROP TO WATER CLOSETS WITH 3/4" COLD WATER RISER TO HOSE BIBB ON GROUND FLOOR FOR THE AUTO SERVICE AREA. MAINTAIN COLD WATER RISER TO GROUND FLOOR HOSE BIBB.
- REMOVE (E) MOP SINK AND FAUCET, AND CAP WASTE BELOW GRADE, CAP VENT ABOVE CEILING, AND REMOVE HOT AND COLD WATER BACK TO ACTIVE MAIN AND CAP.

# **SHEET NOTES:**

- 1. ALL SANITARY WASTE PIPING IS BELOW THE BASEMENT FLOOR, ALL WATER AND VENT IS ABOVE CEILING. STORM DRAIN PIPING IS AS CALLED OUT ON THE PLANS.
- 2. EXISTING CONDITIONS ARE BASED ON SITE VISITS AND SHOP DRAWINGS. THE CONTRACTOR SHALL VERIFY.
- 3. ANY HOT WATER OR COLD WATER DEADLEGS NOT IDENTIFIED THAT ARE WITHIN THE AREA OF WORK AND ARE FEEDING A FIXTURE NO LONGER IN USE OR A FIXTURE TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THE ACTIVE MAIN AND

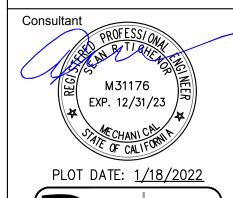




# 2 ENLARGED FLOOR PLAN - NEW WORK SCALE: 3/8" • 1'-0"

# **KEYED NOTES:**

- 1 NEW 1" HOT WATER CONNECTION TO EXISTING 1" HOT WATER.
- 2 PROVIDE TRAP PRIMER AND WATER HAMMER ARRESTOR BEHIND 14"X14" ACCESS PANEL. MOUNT ACCESS PANEL BELOW GRAB BAR AND MAINTAIN 12" MINIMUM ABOVE FINISHED FLOOR. RUN TRAP PRIMER LINE TO FLOOR DRAIN, FD, IN WOMEN'S RESTROOM.
- 3 PROVIDE HOT AND COLD WATER SHUT OFF VALVE BEHIND CEILING ACCESS PANEL.
- 4 CONNECT NEW 3" VENT LINE TO EXISTING 3" VENT RISER.
- 5 EXISTING 3/4" COLD WATER RISER TO GROUND FLOOR HOSE BIBB.





Agency Approvals

City Approvals

**Public Works Department** 

Approved by \_\_\_\_ City Engineer, Stockton, CA

No. Date Description

Project **STOCKTON POLICE HQ WOMEN'S LOCKER RM** 

REMODEL

File Date 01/20/22

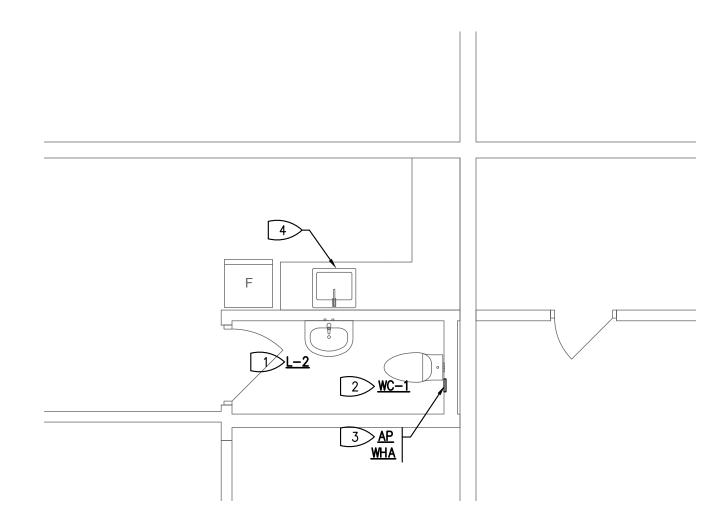
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City Project Number P015035-A

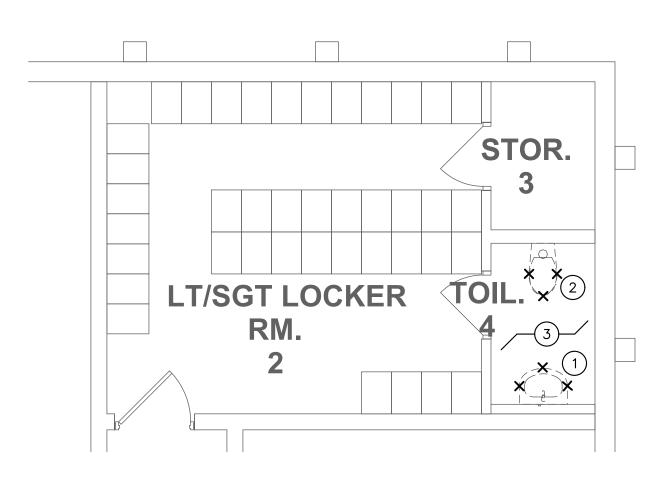
Sheet Number

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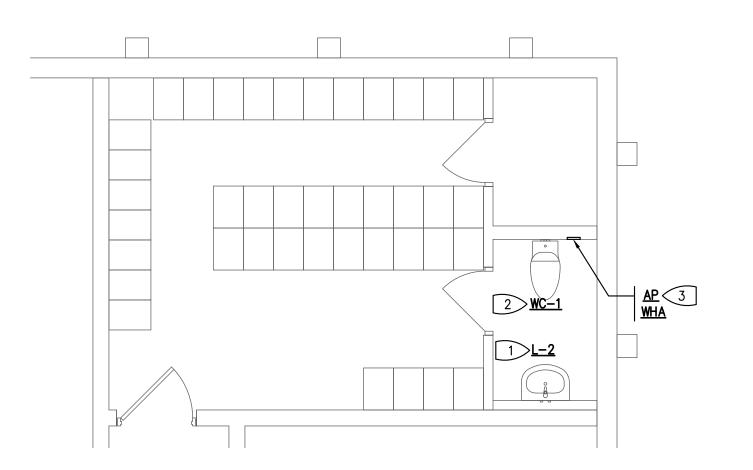
3 ENLARGED DEMOLITION PLAN - TOILET 18 SCALE: 3/8" - 1'-0"



4 ENLARGED NEW FLOOR PLAN - TOILET 18 SCALE: 3/8" = 1'-0"



1 ENLARGED DEMOLITION PLAN - TOILET 4
SCALE: 3/8' - 1'-0"



2 ENLARGED NEW FLOOR PLAN - TOILET 4
SCALE: 3/8" - 1'-0"

# **SHEET NOTES:**

- 1. ALL SANITARY WASTE PIPING IS BELOW THE BASEMENT FLOOR. ALL WATER AND VENT IS ABOVE CEILING. STORM DRAIN PIPING IS AS CALLED OUT ON THE PLANS.
- 2. EXISTING CONDITIONS ARE BASED ON SITE VISITS AND SHOP DRAWINGS. THE CONTRACTOR SHALL VERIFY.
- 3. ANY HOT WATER OR COLD WATER DEADLEGS NOT IDENTIFIED THAT ARE WITHIN THE AREA OF WORK AND ARE FEEDING A FIXTURE NO LONGER IN USE OR A FIXTURE TO BE DEMOLISHED SHALL BE DEMOLISHED BACK TO THE ACTIVE MAIN AND CAPPED.

# **DEMOLITION KEYED NOTES:**

- REMOVE (E) LAVATORY, WALL SUPPORT, AND ALL APPURTENANCES.
  DISCONNECT WATER AND WASTE AS WELL AS SUPPLIES AND STOPS. PREPARE
  AREA FOR NEW LAVATORY.
- REMOVE (E) WATER CLOSET AND ALL APPURTENANCES. DISCONNECT WATER AND WASTE AS WELL AS SUPPLY AND STOP. PREPARE AREA FOR NEW WATER
- DEMO ANY WATER HAMMER ARRESTORS, TRAP PRIMERS, ACCESS PANELS AND ANY OTHER PLUMBING RELATED ITEMS NOT IDENTIFIED IN THIS AREA. PREPARE AREA FOR NEW LAYOUT.
- 4) EXISTING TO REMAIN. NOT IN SCOPE OF WORK.

# **KEYED NOTES:**

- 1 PROVIDE NEW LAVATORY, WALL SUPPORT AND ALL APPURTENANCES. CONNECT NEW WATER SUPPLY LINES TO EXISTING PREVIOUSLY DISCONNECTED AND NEW WASTE AND VENT TO EXISTING PREVIOUSLY DISCONNECTED. MOUNT ELECTRICAL BOX AND THERMOSTATIC MIXING VALVE TIGHT UNDER LAVATORY. MAINTAIN ADA CLEARANCES PER CODE.
- 2 PROVIDE NEW WATER CLOSET, WALL SUPPORT AND ALL APPURTENANCES.
  CONNECT NEW WATER SUPPLY LINE TO EXISTING PREVIOUSLY DISCONNECTED AND NEW WASTE AND VENT TO EXISTING PREVIOUSLY DISCONNECTED.
- 3 PROVIDE WATER HAMMER ARRESTOR BEHIND 8"X10" ACCESS PANEL. MOUNT ACCESS PANEL BELOW GRAB BAR AND MAINTAIN 12" MINIMUM ABOVE FINISHED FLOOR
- THIS FIXTURE IS NOT IN SCOPE. MAINTAIN ALL PLUMBING SUPPLY LINES TO THIS FIXTURE THROUGHOUT THE WORK IN THE ADJACENT AREA.

ALTERNATE NO. 1 -ADD ROOMS TOILET 4, TOILET 19, STORAGE 41, CLOSET 43

ALTERNATE WORK INCLUDES COMPLETE IMPROVEMENTS IN TOILET 4, TOILET 19, STORAGE 41, CLOSET 43.

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Agency Approvals

City Approvals

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City Engineer, Stockton, CA

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WOMEN'S
LOCKER RM
REMODEL

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File Date

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> ENLARGED TOILET 4 & TOILET 18

City Project Number P015035-A

Sheet Number

P-102
SHEET 33 of 40

ALTERNATING CURRENT

A.F.F. ABOVE FINISHED FLOOR A.I.C. AMPERE INTERRUPTING CAPACITY

AMP AMPERE AWG AMERICAN WIRE GAUGE

BREAKER CONDUIT

C.B. CIRCUIT BREAKER

CKT CIRCUIT C.O. CONDUIT ONLY, WITH PULL WIRE

**EXISTING** (E)

**EVENING LIGHT** 

**EMERGENCY** (ER) EXISTING RELOCATED

**EMT ELECTRICAL METALLIC CONDUIT** 

**FUTURE** 

GA. GAUGE GND GROUND

**GFCI** GROUND FAULT CIRCUIT INTERRUPTER

HAND DRYER

**HORSEPOWER** 

SHORT CIRCUIT AMPERES

ISO ISOLATED

THOUSAND

KVA KILO VOLT AMPERE

ΚW KILO WATT LIGHT

MAXIMUM MAX. MFR. MANUFACTURER

MIN. MINIMUM

MTD. MOUNTED

NEW

NEMA

NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION

PROVISIONS FOR FUTURE CIRCUIT

BREAKER

(R) REMOVE

(RE) RELOCATE EXISTING

RCPT. RECEPTACLE

S.M.S SHEET METAL SCREW

SWBD SWITCHBOARD

SYSTEM SYS

TELEVISION TYPICAL

UNDERGROUND UG

WEATHER PROTECTED

**UNDERWRITERS LABORATORY** VOLT

**VOLT-AMPERES** 

WIRE, WATT

WP

XFMR TRANSFORMER

#### 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.

PROTECT ALL EXISTING ELECTRICAL 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.

CUT, PATCH AND MATCH IN ALL AREAS AFFECTED BY REMOVAL OF ELECTRICAL EQUIPMENT AND DEVICES.

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.

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.

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.

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. DISPOSAL OF FLUORESCENT LAMPS: DISPOSE OR RECYCLE ALL EXISTING FLUORESCENT LAMPS PROPERLY ACCORDING TO ENVIRONMENTAL PROTECTION AGENCY (EPA) AND RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) STANDARDS. INCLUDE ALL COSTS FOR DISPOSAL OR RECYCLING IN BID PROPOSAL. A CURRENT LIST OF LAMP RECYCLERS CAN BE OBTAINED THROUGH NATIONAL ELECTRICAL MANUFACTURER'S ASSOCIATION (NEMA)

http://www.nema.org/lamprecycle/recyclers.html OR THROUGH http://www.lamprecycle.org/. 14. DISPOSAL OF BALLASTS: DISPOSE OR RECYCLE ALL EXISTING BALLASTS PROPERLY ACCORDING TO

ENVIRONMENTAL PROTECTION AGENCY (EPA) AND RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) STANDARDS. INCLUDE ALL COSTS FOR DISPOSAL OR RECYCLING IN BID PROPOSAL. A CURRENT LIST OF BALLAST RECYCLERS CAN BE OBTAINED THROUGH http://www.epa.gov/pcb/pubs/stordisp.htm. COMMERCIAL STORAGE FACILITIES OR LANDFILL FACILITIES AS MEANS OF DISPOSAL IS NOT ALLOWED.

15. 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.

16. 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.

## TITLE 24 PART 6 ROLES AND RESPONSIBILITIES

	M. NEILS ENGINEERING, INC.	ELECTRICAL CONTRACTOR	ATTCP*
CERTIFICATION OF COMPLIANCE DOCUMENTS (NRCC DOCUMENTS)	X		
SUBMIT TO ONLINE DATA REGISTRY		X	
CERTIFICATION OF INSTALLATION DOCUMENTS (NRCI DOCUMENTS)		Х	
SUBMIT TO ONLINE DATA REGISTRY		X	
CERTIFICATION OF ACCEPTANCE DOCUMENTS (NRCA DOCUMENTS)			Х
SUBMIT TO ONLINE DATA REGISTRY (ONLY APPLIES TO AREAS IN BUILDINGS LARGER THAN 10,000 SQUARE FEET) **		X OR	Х
* ACCEPTANCE TEST TECHNICIAN CERTIFICATION	ON PROVIDER (ATTCF	P)	

\*\* SEE FORM NRCC-LTI-02-E (PAGE 1 OF 3)

# **ELECTRICAL SYMBOL LIST**

LUMINAIRE - CEILING SURFACE OR PENDANT MOUNTED (LETTER "X" INDICATES TYPE, "a" DENOTES SWITCH FUNCTION, "ABC-#" INDICATES PANEL AND CIRCUIT NUMBER - TYPICAL FOR ALL LUMINAIRES UNLESS NOTED OTHERWISE).

LUMINAIRE - CEILING RECESSED

**ENCLOSED LUMINAIRE - SURFACE MOUNTED** 

EXISTING LUMINAIRE TO BE REMOVED

EMERGENCY LUMINAIRE - NON SWITCHED, BATTERY / GENERATOR BACKED

) EXISTING LUMINAIRE TO REMAIN

SINGLE POLE TOGGLE SWITCH, +45" A.F.F. - "a" LETTER DENOTES SWITCH FUNCTION. TYPICAL FOR ALL SWITCHES UNLESS NOTED OTHERWISE

THREE-WAY TOGGLE SWITCH

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 (LETTER "A" SHOWN ADJACENT TO OUTLET DESIGNATES MOUNTED HORIZONTALLY ABOVE COUNTER).

SPEAKER - CEILING MOUNTED

— #K — 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 3/4" 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 UNDERFLOOR OR UNDERGROUND MINIMUM 1" DIAMETER.

CONDUIT HOMERUN TO PANELBOARD, SWITCHBOARD OR TERMINAL CABINET WITH PANEL-CIRCUIT IDENTIFIED. EXAMPLE - BCL - 5

— – — EXISTING CONDUIT AND WIRING

-X- X -X- EXISTING CONDUIT TO BE REMOVED OR ABANDONED, REMOVE WIRES. COORDINATE WITH

PANELBOARD - SURFACE MOUNTED

PANELBOARD - FLUSH MOUNTED

**EXISTING PANELBOARD - SURFACE MOUNTED** EXISTING PANELBOARD - FLUSH MOUNTED

SWITCHBOARD, DISTRIBUTION PANEL, OR MOTOR CONTROL CENTER

TOGGLE TYPE MOTOR RATED DISCONNECT SWITCH WITH OVERLOAD PROTECTION **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 "E-1" DENOTES SHEET NUMBER

FIRE ALARM HEAT DETECTOR - CEILING MOUNTED. "X" = "C", "R", "FR" TO INDICATE "RATE COMPENSATION", "RATE OF RISE", "FIXED TEMPERATURE AND RATE OF RISE" TYPE DETECTOR RESPECTIVELY. THE DEFAULT TYPE IS "FIXED TEMPERATURE" INDICATED BY NO

FIRE ALARM SMOKE DETECTOR - CEILING MOUNTED. "X" = "I", "R", "T" TO INDICATE "IONIZATION", "BEAM RECEIVER", "BEAM TRANSMITTER" TYPE DETECTOR RESPECTIVELY. THE DEFAULT TYPE IS "PHOTOELECTRIC" INDICATED BY NO LETTER.

FIRE ALARM AUDIO / VISUAL DEVICE, +80" AFF DEFAULT AUDIO DEVICE IS A CHIME (OR SPEAKER PER CONTRACT DOCUMENTS). "X" = "H" OR "B" TO INDICATE A HORN OR BELL RESPECTIVELY. "YY" INDICATES STROBE CANDELA RATING.

FIRE ALARM AUDIO / VISUAL DEVICE, CEILING MOUNTED. DEFAULT AUDIO DEVICE IS A CHIME (OR SPEAKER PER CONTRACT DOCUMENTS). "X" = "H" OR "B" TO INDICATE A HORN OR BELL RESPECTIVELY. "YY" INDICATES STROBE CANDELA RATING.

VISUAL FIRE ALARM DEVICE +80" AFF - WALL MOUNTED (LAMP, SIGNAL LIGHT, INDICATOR LAMP, STROBE), "YY" = CANDELA RATING

VISUAL FIRE ALARM DEVICE - CEILING MOUNTED (LAMP, SIGNAL LIGHT, INDICATOR LAMP, STROBE), "YY" = CANDELA RATING

## 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. ELECTRICAL OUTLET BOXES MOUNTED ON OPPOSITE SIDES OF FIRE-RATED WALLS OR PARTITIONS SHALL BE SEPARATED BY A HORIZONTAL DISTANCE OF NOT LESS THAN 24 INCHES PER CBC, WHETHER SHOWN ON THE PLANS OR NOT.

3. 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.

4. WHERE CONDUIT STUB IS INDICATED, PROVIDE CONDUIT WITH BUSHING AT THE END OF CONDUIT AND PULL ROPE INTO ACCESSIBLE CEILING AREA.

	ELECTRICAL SHEET INDEX					
No. OF SHEETS	DRAWING No.	DRAWING DESCRIPTIONS				
1	E-0.1	ELECTRICAL SHEET INDEX AND NOTES				
2	E-1.1	OVERALL BASEMENT FLOOR PLAN - ELECTRICAL				
3	E-2.1	BASEMENT FLOOR PLANS - DEMOLITION AND REMODEL - ELECTRICAL				
4	E-3.1	PARTIAL ONE-LINE POWER DIAGRAM AND PANEL SCHEDULES				
5	E-4.1	ELECTRICAL DETAILS				
6	E-5.1	TITLE 24 - INDOOR LIGHTING COMPLIANCE FORMS				
7	E-5.2	TITLE 24 - INDOOR LIGHTING COMPLIANCE FORMS				

LUMINAIRE SCHEDULE								
TYPE	MANUFACTURER	VOLTAGE LIGHT SOURCE (LED, WATTS, LUMENS,		MOUNTING	REMARK			
ITPE	CATALOG NO.	DESCRIPTION	COLOR TEMPERATURE, CRI, R9 IF AVAILABLE)	MOUNTING	NOTE No.			
A1	VODE LIGHTING 707-Z2-48-T1-AE 2-0-Z-SO-35 S4-0-WH	MV-120-277 VOLT 4 FT. LED, 80 CRI, 3500K	LED, 26.4W, 700 LUMENS, 3500K, 80 CRI	CEILING T-BAR CLIP				
AE	VODE LIGHTING 707-Z2-48-T1-AE 2-ZZ-Z-SO-35 S4-0-WH	MV-120-277 VOLT 4 FT. LED	LED, 26.4W, 700 LUMENS, 3500K, 80 CRI	CEILING T-BAR CLIP	1			
В	ACUITY JSF-11IN-13LM-35K-90CRI- MVOLT-ZT-WH	MV-120-277 VOLT JUNO SLIMFORM LED DOWNLIGHT	LED, 15.2W, 1300 LUMENS, 3500K, 90 CRI	CEILING SURFACE				
BE	ACUITY JSF-11IN-13LM-35K-90CRI- MVOLT-ZT-WH-EL	MV-120-277 VOLT JUNO SLIMFORM LED DOWNLIGHT	LED, 15.2W, 1300 LUMENS, 3500K, 90 CRI	CEILING SURFACE	1			
С	LITHONIA FMVCCL-24IN-MVOLT-30K- 90CRI	MV-120-277 VOLT 2 FT. CONTEMPORARY CYLINDER VANITY LED,	LED, 18W, 1300 LUMENS, 3500K, 90 CRI	WALL MOUNTED				
D	LITHONIA LDN6-3505-LO6AR-TRW-LD -MVOLT-EZ10WL	MV-120-277 VOLT 6" LED DOWNLIGHT, LDN6	LED, 7.6W, 500 LUMENS, 3500K, 80CRI	CEILING RECESSED				

## LUMINAIRE SCHEDULE REMARK NOTES:

(1) PROVIDE WITH SELF TESTING, SELF DIAGNOSTIC BATTERY PACK TO MAINTAIN ILLUMINATION FOR A MINIMUM OF 90 MINUTES PER CBC 1011.5.3 PROVIDE FULL LUMEN OUTPUT.

GENERAL NOTE:

REFER TO PLAN FOR LOCATION, QUANTITIES, AND SWITCH FUNCTION.

# BRANCH CIRCUIT VOLTAGE DROP TABLE

VOLTAGE DROP VALUES NOT EXCEEDING 2% FOR FEEDERS HAVE BEEN SHOWN ON THE ONE LINE DIAGRAM. IN LIEU OF VOLTAGE DROP CALCULATIONS FOR EACH BRANCH CIRCUIT IN SCOPE OF WORK, THE GENERAL DESIGN STANDARD BELOW HAS BEEN FOLLOWED TO ENSURE A VOLTAGE DROP OF 3% IS NOT EXCEEDED. WHERE THE CIRCUIT LOAD OR CIRCUIT LENGTH LISTED HAS BEEN EXCEEDED, A DETAILED VOLTAGE DROP CALCULATION FOR THAT CIRCUIT HAS BEEN PROVIDED WITH THE TITLE 24 COMPLIANCE DOCUMENTATION.

VOLTAGE	MAXIMUM CIRCUIT LOAD FOR 20 AMP CIRCUIT BREAKER	CONDUCTOR SIZE	MAXIMUM BRANCH CIRCUIT LENGTH
		#8 AWG	285 FEET
	9 AMPS (1.08 KVA)	#10 AWG	180 FEET
		#12 AWG	115 FEET
		#8 AWG	210 FEET
120 VOLT	12 AMPS (1.44 KVA)	#10 AWG	135 FEET
		#12 AWG	85 FEET
		#8 AWG	130 FEET
	16 AMPS (1.92 KVA)	#10 AWG	85 FEET
		#12 AWG	55 FEET
		#8 AWG	440 FEET
	9 AMPS (1.87 KVA)	#10 AWG	285 FEET
		#12 AWG	170 FEET
		#8 AWG	330 FEET
208 VOLT	12 AMPS (2.49 KVA)	#10 AWG	215 FEET
		#12 AWG	130 FEET
		#8 AWG	250 FEET
	16 AMPS (3.33 KVA)	#10 AWG	160 FEET
		#12 AWG	95 FEET

HAMMOND+PLAYLE ARCHITECTS, LLF art, architecture + ecology 909 FIFTH STREET, DAVIS, CA 530.750.0756 WWW.INDIGOARCH.COM

Consultant

M. NEILS ENGINEERING, INC. Electrical Engineers | Lighting Desig 100 Howe Ave., Suite 235N Sacramento, CA 95825-8217 Tel: (916) 923-4400 Fax: (916) 923-44 PROJECT #: <u>17332.21</u>

Agency Approvals

City Approvals

**Public Works Department** 01/31/2022 Approved by \_\_\_\_ City Engineer, Stockton, CA

Issue: 100% CONSTRUCTION DOCUMENTS Description

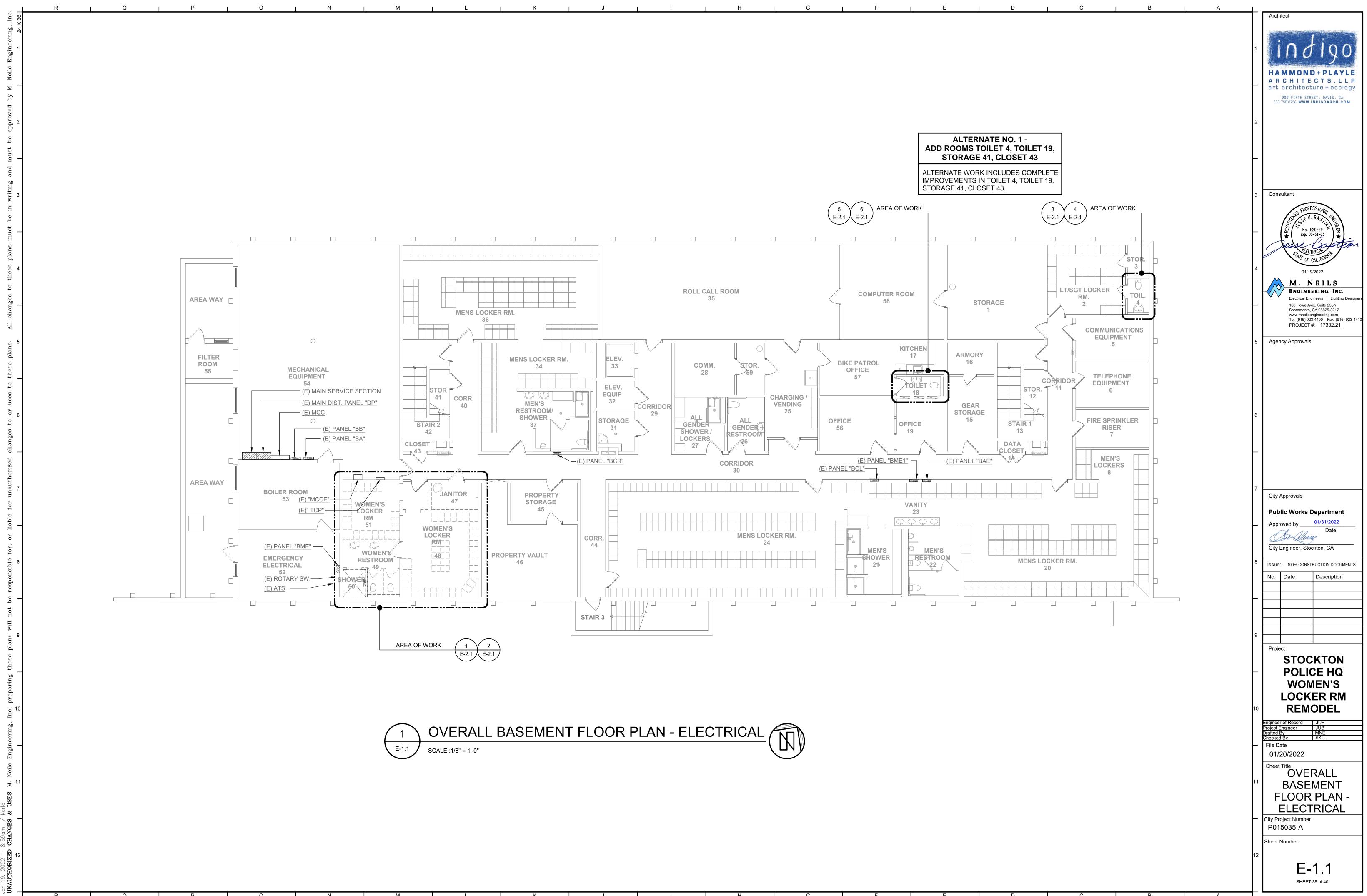
Project **STOCKTON POLICE HQ WOMEN'S** LOCKER RM REMODEL

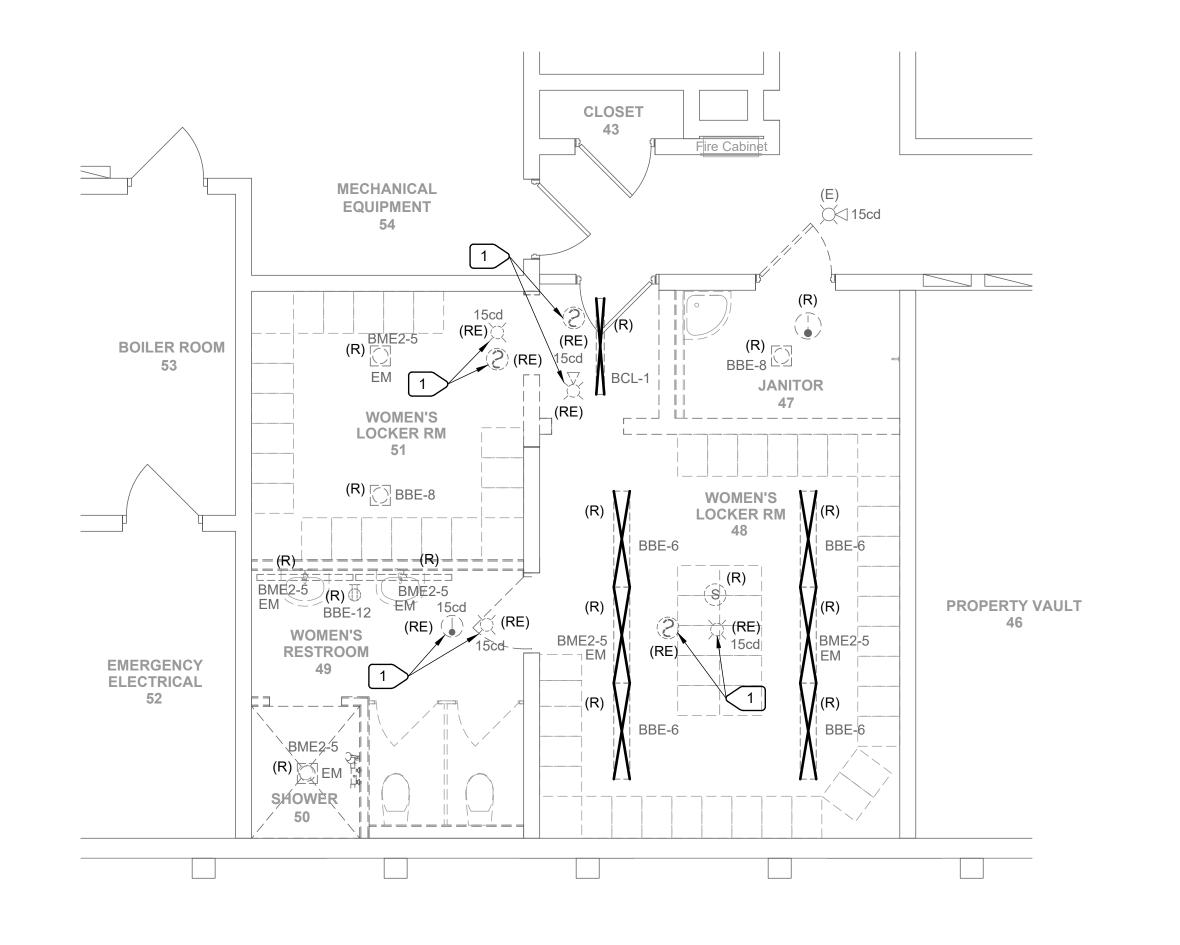
01/20/2022 **ELECTRICAL** SHEET INDEX **AND NOTES** 

City Project Number P015035-A

Sheet Number

E-0.1 SHEET 34 of 40





# **CONTROLS SCHEDULE**

MANUEACTURER				
MANUFACTURER CATALOG NO.	SYMBOL	DESCRIPTION	COVERAGE AREA	REMARK NOTE No.
ACUITY nPODM-DX-WH OR EQUAL	<b>S</b>	ON/OFF WALL MOUNTED DIMMER SWITCH		12
ACUITY nCMPDT-9-RJB OR EQUAL	<b></b>	CEILING MOUNTED MOTION SENSOR		12
ACUITY nCMPDT-9-LT-RJB	(S) #2	CEILING MOUNTED MOTION SENSOR		12

#### NOTES:

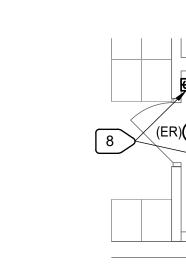
- PROVIDE WITH CAT5E CABLING FOR INTERCONNECTIONS.
- 2 PROVIDE WITH 120VAC POWER PACK AS REQUIRED: ACUITY #nPP16-D-SA.

**ALTERNATE NO. 1 -**ADD ROOMS TOILET 4, TOILET 19, **STORAGE 41, CLOSET 43** 

ALTERNATE WORK INCLUDES COMPLETE IMPROVEMENTS IN TOILET 4, TOILET 19, STORAGE 41, CLOSET 43.

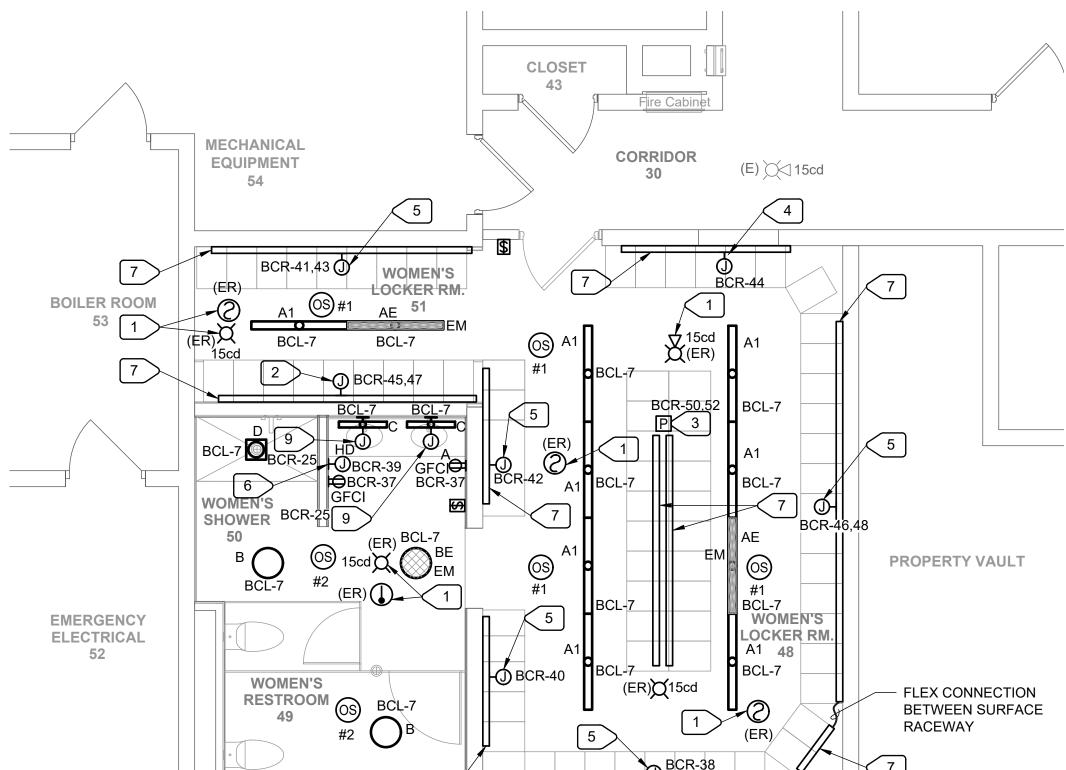
# NUMBERED NOTES

- 1 REMOVE, CLEAN AND PROTECT EXISTING FIRE ALARM DEVICE IN THE AREA DURING DEMOLITION PHASE. MAINTAIN CIRCUIT FUNCTIONALITY DURING CONSTRUCTION. REINSTALL FIRE ALARM DEVICE DURING REMODEL PHASE. REUSE EXISTING CIRCUIT AND ADDRESS.
- 2 PROVIDE 120VAC POWER AND JUNCTION BOX AT PERSONNEL LOCKERS. PROVIDE JUNCTION BOX AND CONDUIT IN NEW WALL. PROVIDE SURFACE RACEWAY MOUNTED IN LOCKERS AND PROVIDE ONE DUPLEX OUTLET AND USB OUTLETS IN EACH LOCKER, SEE DETAIL "8/E-4.1".
- 3 PROVIDE 120VAC POWER AND JUNCTION BOX AT PERSONNEL LOCKERS. PROVIDE POWER POLE (LEGRAND ALTC) WITH T-BAR MOUNTING HARDWARE, CEILING TRIM KIT, FOOT ASSEMBLY, AND GROMMET FROM THE CEILING TO TOP OF THE LOCKERS. PROVIDE SURFACE RACEWAY MOUNTED IN LOCKERS AND PROVIDE ONE DUPLEX OUTLET AND USB OUTLETS IN EACH LOCKER, SEE DETAIL
- 4 PROVIDE 120VAC POWER AND JUNCTION BOX AT PERSONNEL LOCKERS. AT DOOR, INFILL CORE CMU HEADER TO ACCESSIBLE CEILING FOR NEW CONDUIT. PROVIDE SURFACE RACEWAY MOUNTED IN LOCKERS AND PROVIDE ONE DUPLEX OUTLET AND USB OUTLETS IN EACH LOCKER, SEE DETAIL "8/E-4.1".
- 5 PROVIDE 120VAC POWER AND JUNCTION BOX AT PERSONNEL LOCKERS. PROVIDE SURFACE RACEWAY (LEGRAND AL200 OR EQUAL) VERTICALLY ON THE WALL TO THE LOCKERS AND JUNCTION BOX. PROVIDE SURFACE RACEWAY MOUNTED IN LOCKERS AND PROVIDE ONE DUPLEX OUTLET AND USB OUTLETS IN EACH LOCKER, SEE DETAIL "8/E-4.1".
- 6 PROVIDE DEDICATED 120VAC POWER TO HAND DRYER.
- PROVIDE SURFACE RACEWAY AND PROVIDE ONE DUPLEX OUTLET IN EACH LOCKER, SEE DETAIL
- 8 PROVIDE NEW LUMINAIRE AND DIMMER SWITCH. TRACE, IDENTIFY AND CONNECT TO EXISTING
- 9 PROVIDE POWER FOR AUTO FAUCET. INSTALL AND WIRE PER MANUFACTURER'S REQUIREMENTS. COORDINATE WITH PLUMBING DRAWINGS.



# BASEMENT FLOOR PLAN - DEMOLITION - ELECTRICAL E-2.1

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





**TOILET 4 - ELECTRICAL** 

E-2.1

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



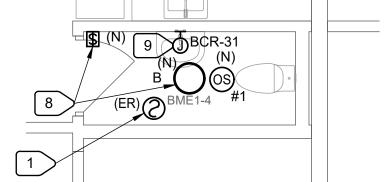
ENLARGED REMODEL FLOOR PLAN

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

E-2.1

**TOILET 4 - ELECTRICAL** 





# ENLARGED DEMOLITION FLOOR PLAN

**TOILET 18 - ELECTRICAL** 

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



**TOILET 18 - ELECTRICAL** 



City Project Number P015035-A

E-2.1

HAMMOND+PLAYLE

909 FIFTH STREET, DAVIS, CA

M. NEILS

ENGINEERING, INC.

100 Howe Ave., Suite 235N

Sacramento, CA 95825-8217

PROJECT #: 17332.21

Agency Approvals

City Approvals

City Engineer, Stockton, CA

**STOCKTON** 

**POLICE HQ** 

**WOMEN'S** 

**LOCKER RM** 

REMODEL

BASEMENT FLOOR

PLANS - DEMOLITION AND REMODEL -

**ELECTRICAL** 

Electrical Engineers | Lighting Desig

Tel: (916) 923-4400 Fax: (916) 923-44

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Consultant

ARCHITECTS, LLF art, architecture + ecology

> SHEET 36 of 40 5474C.35

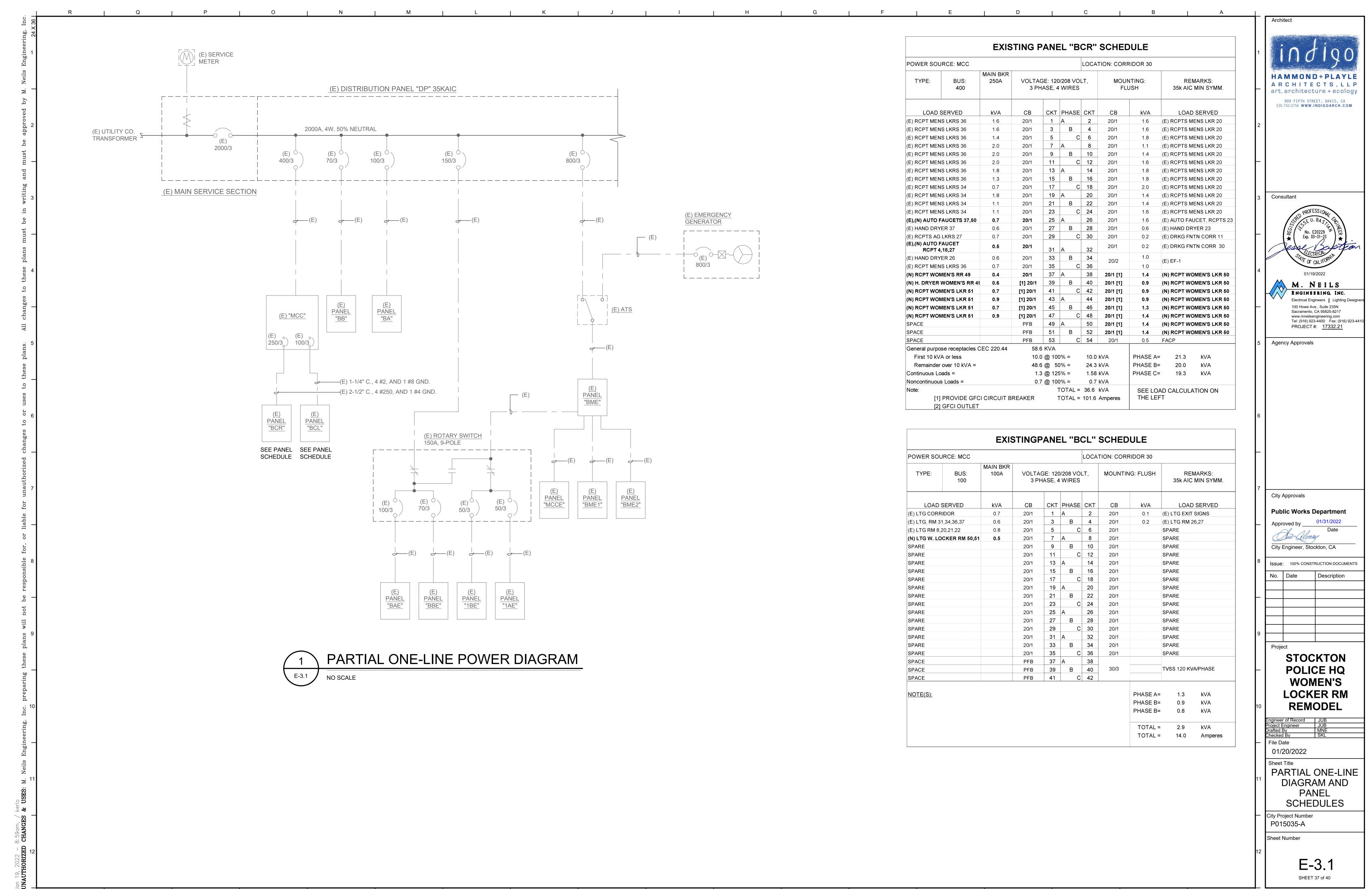
BASEMENT FLOOR PLAN - REMODEL - ELECTRICAL SCALE :1/4" = 1'-0"

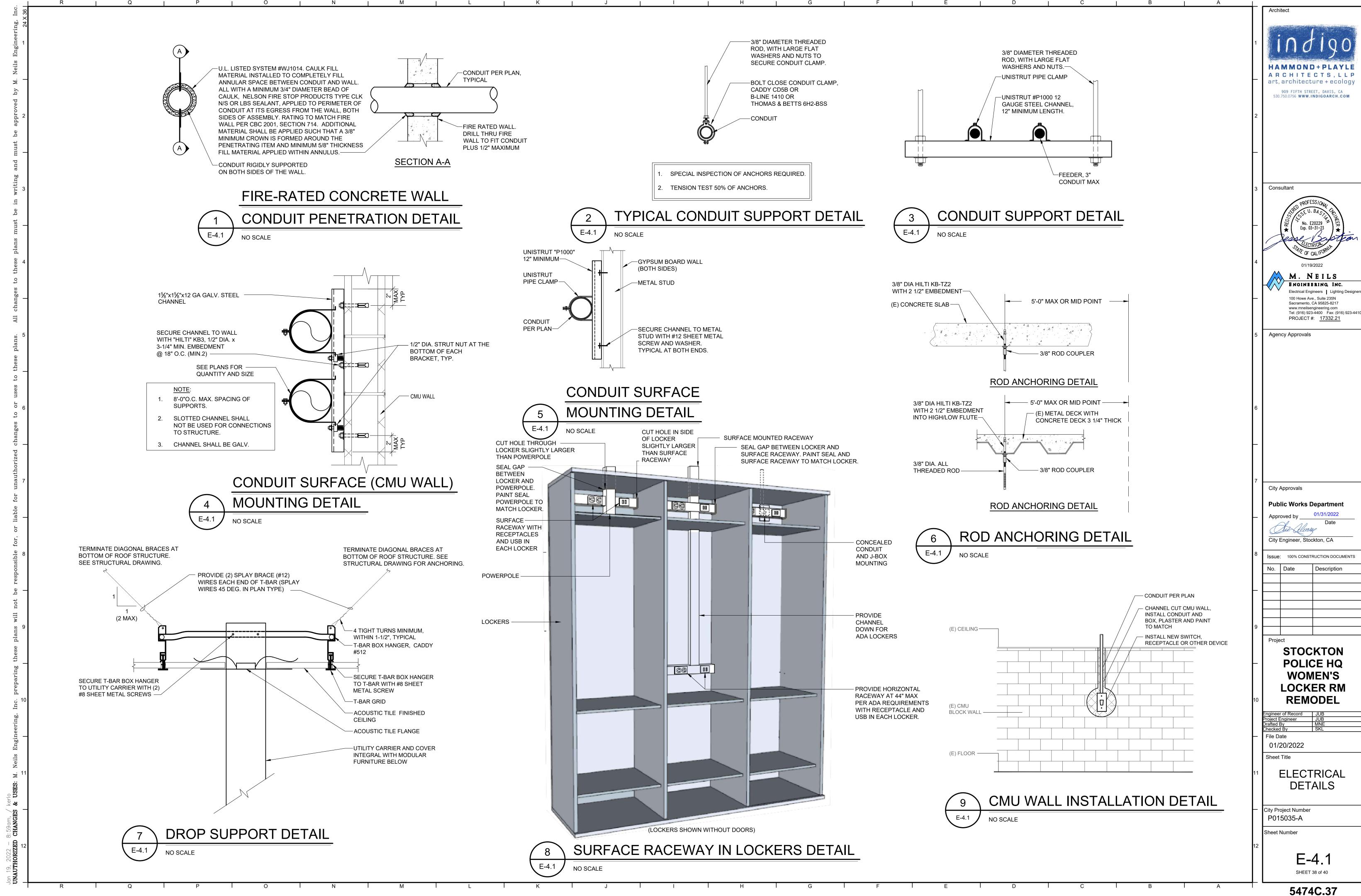
SCALE :1/4" = 1'-0"

ENLARGED REMODEL FLOOR PLAN

Sheet Number

01/20/2022





STATE OF CALIFORNIA Indoor Lighting NRCC-LTI-E (Created 01/20) 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: Stockton Police HQ Women's Locker Room Remodel Project Address: Stockton, CA Date Prepared: A. GENERAL INFORMATION 01 Project Location (city) 04 Total Conditioned Floor Area (ft<sup>2</sup>) Stockton, CA 02 Climate Zone 05 Total Unconditioned Floor Area (ft<sup>2</sup>) 03 Occupancy Types Within Project (select all that apply): 06 # of Stories (Habitable Above Grade) Office Hotel/Motel School Warehouse 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** 03 My Project Consists of (check all that apply): Calculation Method Area (ft<sup>2</sup>) Calculation Method New Lighting System ✓ Altered Lighting System Area Category 663.9 Total Area of Work (ft<sup>2</sup>) 663.9 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. Allowed Lighting Power per §140.6(b) (Watts) Adjusted Lighting Power per §140.6(a) (Watts) | Compliance Results Lighting in conditioned and Adjustments unconditioned Area Category Tailored Complete PAF Control spaces must not Area Category | Additional §140.6(c)3 = Total Allowed Building Designed Credits be combined for §140.6(c)2 §140.6(c)2G §140.6(c)1 (Watts) §140.6(a)2 (Watts) compliance per (-) §140.6(b)1. (See Table I) (See Table I) (See Table J) (See Table K) (See Table F) (See Table P) Conditioned: 396.76 396.76 357.2 Unconditioned: **Table Continued** CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance: <a href="http://www.energy.ca.gov/title24/2019standards">http://www.energy.ca.gov/title24/2019standards</a>

NRCC-LTI-E (Created 01/20)	,					CALIF	ORNIA ENERGY (		
CERTIFICATE OF COMP									CC-L
<u> </u>	kton Police HQ Women's Locker Room F	Remodel		Report Page:					ge 3 o
Project Address: Stock	kton, CA			Date Prepared:				20	21-06
G. MODULAR LIGHT	ING SYSTEMS								
This Section Does Not	Apply								
H. INDOOR LIGHTIN	G CONTROLS (Not Including PAFs)								
	ase include lighting controls for conditione lighting controls section of the Compl		-					on of this	table
<b>Building Level Control</b>	s								
	01				02			03	
_	Mandatory Demand Response			Shut-0	Off Controls			Field Ins	ecto
	§110.12(c)				L30.1(c)		_	Pass	Fai
Area Level Controls									
04	05	06	07	08	09	10	11	1	2
	Complete Building or Area Category	Area Controls	Multi-Level	Shut-Off	Primary/Skylit	Secondary	Interlocked	Field In	snec
Area Description	Primary Function Area	§130.1(a)	Controls	Controls	Daylighting	Daylighting	Systems	T ICIU III	эрсс
	Timary Function Area	3130.1(a)	§130.1(b)	§130.1(c)	§130.1(d)	§140.6(d)	§140.6(a)1	Pass	Fa
Locker Rooms 50,51	Locker/Dressing Room		Dimmer	Occ.:Sensorr					
Restroom/Shower	Restroom (Low Vision)		Dimmeer	Occ.:Sensonr					
*NOTES: Controls with	a * require a note in the space below e	xplaining how cor	npliance is achiev	ed.			13		
	ary/Skylight Daylighting: Exempt becau				PI	an Sheet Shov	ving Daylit Zor	nes:	
EXCEPTION 1 to §130.1	<u>1(d)2</u>								
							,		
	ALLOWANCE: COMPLETE BUILDING								
	nplete the table for each area complying		ete Building or Ar	ea Category Meth	ods per <u>§140.6(b</u> ,	. Indicate if a	dditional light	ing powe	r
	(c) or adjustments per <u>§140.6(a)</u> are bei	ng used.							
Conditioned Spaces						05		0.0	
01		02		03	04	05		06	
	Complete B	uilding or Area Ca	tegory	Allowed	Area	Allowed	Additiona		ces /
Area Descript		ary Function Area		Density	(ft <sup>2</sup> )	Wattage	•	ustment	
				(W/ft <sup>2</sup> )	(,,,	(Watts)	Area Categor	у	PAF

CALIFORNIA ENERGY COMMISSION

663.9

✓ Support Areas

**Unconditioned Spaces** 

Area Category

**Total Adjusted** 

(Watts)

\*Includes

Adjustments

357.2

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2021-06-29

05

Area (ft<sup>2</sup>)

09

05 Must be ≥ 08

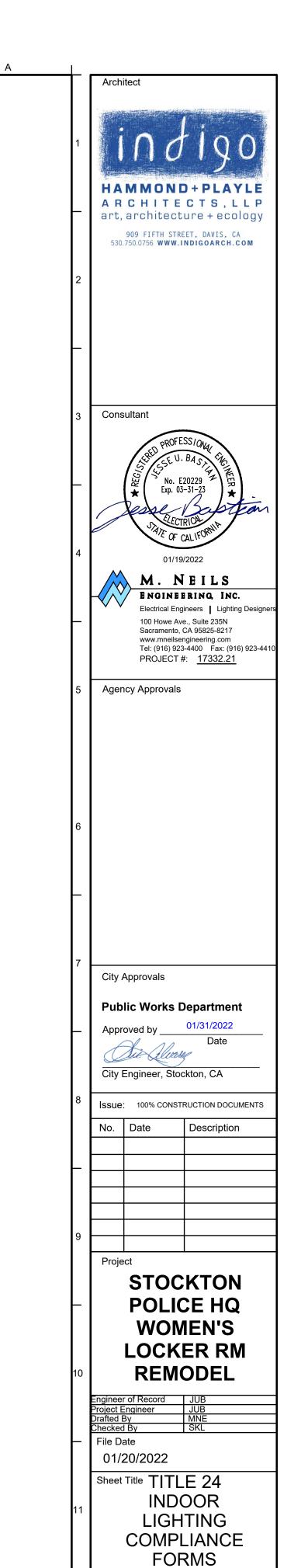
§140.6

COMPLIES

January 2020

ICER HEIL A	reated 01/20) TE OF COMPLIANCE							ALIFORNIA ENERGY C		RCC-LT
Project Na		Locker Room R	emodel		Report Page:					ge 2 o
	dress: Stockton, CA		:		Date Prepared	d:				21-06-
				Conti	rols Compliance (S	See Table H for D	Details)	DOES NOT CO	OMPLY	
			Rated F	ower Reduct	ion Compliance (S	ee Table Q for D	Details)	Not Applic	able	
D. EXCEP	FIONAL CONDITIONS									9
This table i	s auto-filled with uneditable comme	nts because of s	elections made or	r data enterea	l in tables through	out the form.				
This table i	ncludes remarks made by the permit	. иррпсин то т	e Authority Having	g Julisuiction.						
	R LIGHTING FIXTURE SCHEDULE uctions: Include all permanent design	ned lighting and	l all portable light	ing in offices.						[
Table Instr	uctions: Include all permanent design Wattage: Conditioned Spaces	ned lighting and	l all portable light	ing in offices.						[
Table Instr	uctions: Include all permanent desig	ned lighting and	d all portable light	ing in offices. 05	06	07	08	09	1	.0
Table Instr	uctions: Include all permanent design Wattage: Conditioned Spaces	03 Modular	04 Small Aperture		06 How Wattage is determined	07 Total number luminaires	Exempt per	09 Design Watts	Field In	specto
Designed V 01 Name or Item Tag	Wattage: Conditioned Spaces  02  Complete Luminaire Description	03 Modular	04	05 Watts per luminaire <sup>2</sup>	How Wattage is determined	Total number luminaires		Design Watts		specto
Table Instr Designed V 01 Name or Item Tag A1	wations: Include all permanent design Wattage: Conditioned Spaces  02  Complete Luminaire Description  4 FT. LED	03 Modular	04 Small Aperture	05 Watts per luminaire <sup>2</sup> 26.4	How Wattage is determined Mfr. Spec <sup>2</sup>	Total number luminaires	Exempt per	Design Watts	Field In	
Table Instr Designed V 01 Name or Item Tag A1 AE	wattage: Conditioned Spaces  02  Complete Luminaire Description  4 FT. LED  4 FT. LED	03 Modular	04 Small Aperture	05 Watts per luminaire <sup>2</sup> 26.4 26.4	How Wattage is determined Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup>	Total number luminaires 7 2	Exempt per	Design Watts  184.8  52.8	Field In	specto
Table Instr Designed V 01 Name or Item Tag A1	Wattage: Conditioned Spaces  02  Complete Luminaire Description  4 FT. LED  4 FT. LED  11 IN. ROUND LED	03 Modular	04 Small Aperture	05 Watts per luminaire² 26.4 26.4 15.2	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup>	Total number luminaires	Exempt per	Design Watts  184.8  52.8  76	Field In	specto
Table Instr Designed V 01 Name or Item Tag A1 AE B/BE	wattage: Conditioned Spaces  02  Complete Luminaire Description  4 FT. LED  4 FT. LED	03 Modular	04 Small Aperture	05 Watts per luminaire <sup>2</sup> 26.4 26.4	How Wattage is determined  Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup> Mfr. Spec <sup>2</sup>	Total number luminaires  7 2 5	Exempt per	Design Watts  184.8  52.8	Field In	specto
Name or Item Tag  A1  AE  B/BE  CE	Complete Luminaire Description  4 FT. LED  4 FT. LED  11 IN. ROUND LED  2 FT. CYLINDER LED	03 Modular	04 Small Aperture	05 Watts per luminaire² 26.4 26.4 15.2 18	How Wattage is determined  Mfr. Spec <sup>2</sup>	Total number luminaires 7 2 5 2 1	Exempt per §140.6(a)3	Design Watts  184.8  52.8  76  36  7.6	Field In	specto
Name or Item Tag  A1  AE  B/BE  CE	Complete Luminaire Description  4 FT. LED  4 FT. LED  11 IN. ROUND LED  2 FT. CYLINDER LED	03 Modular	04 Small Aperture	05 Watts per luminaire² 26.4 26.4 15.2 18	How Wattage is determined  Mfr. Spec <sup>2</sup>	Total number luminaires  7 2 5 2	Exempt per §140.6(a)3	Design Watts  184.8  52.8  76  36  7.6	Field In	specto
Name or Item Tag  A1  B/BE  CE  D	Complete Luminaire Description  4 FT. LED  4 FT. LED  11 IN. ROUND LED  2 FT. CYLINDER LED	03  Modular (Track) Fixture	04  Small Aperture & Color Change¹	05 Watts per luminaire <sup>2</sup> 26.4 26.4 15.2 18 7.6	How Wattage is determined  Mfr. Spec <sup>2</sup> Total Designed	Total number luminaires 7 2 5 2 1 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  184.8 52.8 76 36 7.6 357.2	Field In Pass	Fail
Name or Item Tag  A1  AE  B/BE  CE  D	Wattage: Conditioned Spaces  02  Complete Luminaire Description  4 FT. LED  4 FT. LED  11 IN. ROUND LED  2 FT. CYLINDER LED  6" DOWNLIGHT LED	03  Modular (Track) Fixture	O4  Small Aperture & Color Change¹	05 Watts per luminaire² 26.4 26.4 15.2 18 7.6	How Wattage is determined  Mfr. Spec <sup>2</sup> Total Designed	Total number luminaires 7 2 5 2 1 d Watts CONDIT	Exempt per §140.6(a)3	Design Watts  184.8 52.8 76 36 7.6 357.2 wattage. Table in	Field In  Pass	Fail

				CAL	IFORNIA ENERGY COM	MISSION 🌉
CERTIFICATE OF COMPLIANCE						NRCC-LT
	Women's Locker Room Remodel	Report Page:				Page 4 o
Project Address: Stockton, CA		Date Prepared:				2021-06-
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 All	nent
Locker Room	Locker/Dressing Boom	0.45	461.2	207.54	Area Category	PAF
	Locker/Dressing Room  Restroom	0.45	291.1	189.22		
Restroom	restroom	TOTAL:	<b>752.3</b>	396.76	See Tables J or	D for data:
		:				
This Section Does Not Apply  K. TAILORED METHOD GENERAL   This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW		SHTING SYSTEM				(
This Section Does Not Apply  K. TAILORED METHOD GENERAL I This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  M. ADDITIONAL LIGHTING ALLOW	LIGHTING POWER ALLOWANCE	SHTING SYSTEM				(
This Section Does Not Apply  K. TAILORED METHOD GENERAL IT This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  M. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply	LIGHTING POWER ALLOWANCE  ANCE: TAILORED WALL DISPLAY  VANCE: TAILORED FLOOR AND TASK LIGHTING					
This Section Does Not Apply  K. TAILORED METHOD GENERAL IT This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  M. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply	LIGHTING POWER ALLOWANCE  ANCE: TAILORED WALL DISPLAY					
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K. TAILORED METHOD GENERAL IT This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  M. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  N. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  N. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  O. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply	LIGHTING POWER ALLOWANCE  ANCE: TAILORED WALL DISPLAY  VANCE: TAILORED FLOOR AND TASK LIGHTING  VANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS	S				
K. TAILORED METHOD GENERAL IT This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  M. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  N. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  O. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  O. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply	LIGHTING POWER ALLOWANCE  ANCE: TAILORED WALL DISPLAY  VANCE: TAILORED FLOOR AND TASK LIGHTING  VANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS	S				
K. TAILORED METHOD GENERAL IT This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  M. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  N. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  N. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  O. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  P. POWER ADJUSTMENT: LIGHTING PROBLEM TO THE PROMET PROBLEM TO THE PROBLEM TO	LIGHTING POWER ALLOWANCE  ANCE: TAILORED WALL DISPLAY  VANCE: TAILORED FLOOR AND TASK LIGHTING  VANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS  VANCE: TAILORED VERY VALUABLE MERCHANDISE	S				
K. TAILORED METHOD GENERAL IT This Section Does Not Apply  L. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  M. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  N. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  O. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply  O. ADDITIONAL LIGHTING ALLOW This Section Does Not Apply	LIGHTING POWER ALLOWANCE  ANCE: TAILORED WALL DISPLAY  VANCE: TAILORED FLOOR AND TASK LIGHTING  VANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS  VANCE: TAILORED VERY VALUABLE MERCHANDISE  NG CONTROL CREDIT (POWER ADJUSTMENT FACTOR)	S				

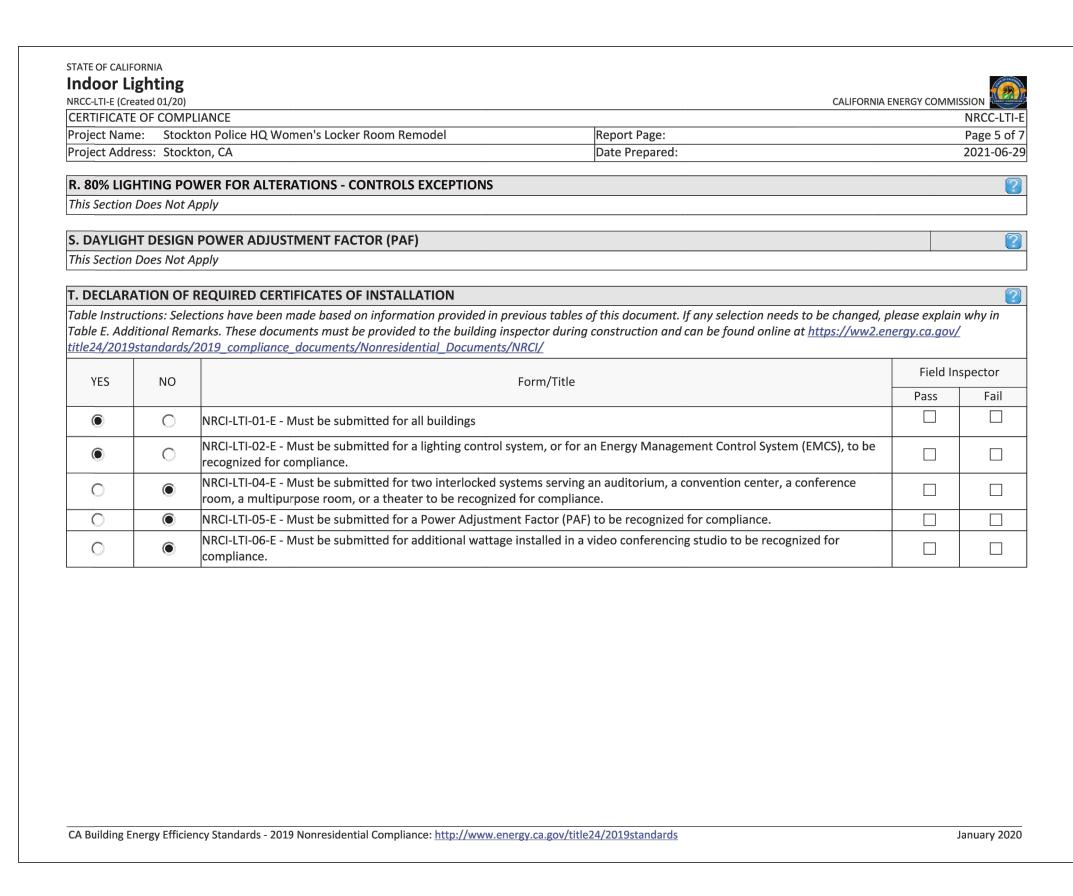


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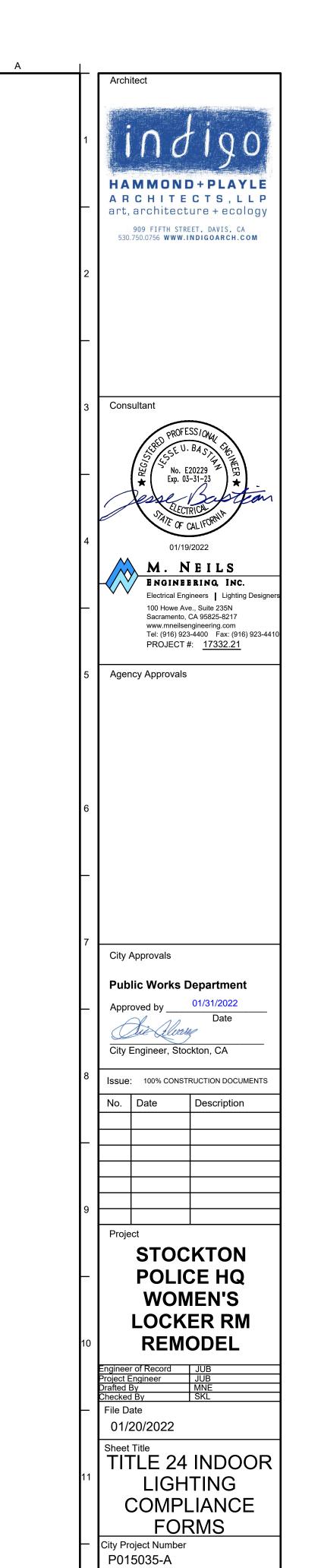
City Project Number P015035-A

Sheet Number



Indoor Lighting NRCC-LTI-E (Created 01/20)			CALIFORNIA ENERGY COMMISSION
CERTIFICATE OF COMPLIANCE	and HO Warranda Lashan Barran Barranda I	Day of Box	NRCC-
Project Name: Stockton Police Project Address: Stockton, CA	ce HQ Women's Locker Room Remodel	Report Page:  Date Prepared:	Page 7
Troject Address. Stockton, CA		Date Frepared.	2021
DOCUMENTATION AUTHOR	'S DECLARATION STATEMENT		
I certify that this Certificate of C	Compliance documentation is accurate and comp	plete	
Documentation Author Name:	Jesse U. Bastian	Documentation Author Signature	Desse Bastian
Company:	M. Neils Engineering, Inc.	Signature Date:	9/16/2021
Address:	100 Howe Ave., Suite 235N	CEA/ HERS Certification Identifica	ation (if applicable):
City/State/Zip:	Sacramento, CA 95825	Phone:	916-923-4400
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Project Add	lress: Stock	kton, CA Date Prepared:		2021-06-29
J. DECLAR	RATION OF	F REQUIRED CERTIFICATES OF ACCEPTANCE		?
Table E. Add	ditional Ren	ections have been made based on information provided in previous tables of this document. If any selection no marks. These documents must be provided to the building inspector during construction and any with "-A" in a nician Certification Provider (ATTCP). For more information visit: <a href="http://www.energy.ca.gov/title24/attcp/pro">http://www.energy.ca.gov/title24/attcp/pro</a>	the form name must be completed t	
VEC	NO	Faces (TTM)	Field Insp	pector
YES	NO	Form/Title	Pass	Fail
•	0	NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.		
0	•	NRCA-LTI-03-A - Must be submitted for automatic daylight controls.		
0	•	NRCA-LTI-04-A - Must be submitted for demand responsive lighting controls.		
0	•	NRCA-LTI-05-A - Must be submitted for institutional tuning power adjustment factor (PAF).		
0	•	NRCA-ENV-03-F - Must be submitted for daylighting design power adjustment factors (PAF).		



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