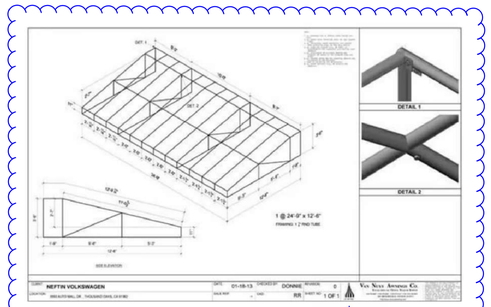
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702
BID SET - **03.31.2025**

City of Berkeley



BID ADD ALTERNATE #3:
INCLUDE DESIGN BUILD SHOP DRAWINGS FOR REVIEW AND FABRICATION

BID ALTERNATES:

#1 - ADD ALTERNATE - BUILDING 'H' ENTIRE SCOPE. SEE SEPARATE DRAWING/SPEC PACKAGE.

BASE BID: NO WORK AT BUILDING 'H'.

#2 - ADD ALTERNATE- ROOF SCREEN, SEE PLAN 1/A2.33, EXTERIOR ELEVATIONS 1/A3.11, 4/A3.11, SECTIONS 1/A3.31, 2/A3.31 AND ASSOCIATED DETAIL 7/A6.41.

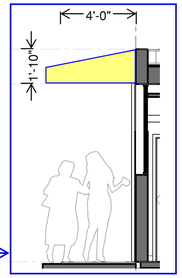
SEE STRUCTURAL PLAN 1/S2.11 AND ASSOCIATED DETAILS 2, 3, AND 5/S2.11AND 3/S3.10.

BASE BID: NO ROOF SCREEN.

#3 - ADD ALTERNATE - STEEL BRACKET SUPPORTED CANOPY, SEE PLANS 1/A2.33, 1/A2.41 AND ASSOCIATED DETAILS 2, 3/A2.41, AND 1, 3, 4/A6.11 AND 1/A6.13

SEE STRUCTURAL PLAN 1/S2.11 AND ASSOCIATED DETAIL 4/S3.10.

BASE BID: METAL FRAMED FABRIC AWNING - ANCHOR INTO EXISTING CONCRETE BLOCK WALL. EXISTING GUTTER/DOWNSPOUTS TO REMAIN, AND AWNING TO GO AROUND THEM.



DEFERRED SUBMITTALS

- a Fire Department Operational Permit - Assembly Permit will be completed as a deferred submittal under a separate fire permit.

HAZARDOUS MATERIALS

- Hazardous Building Materials have been identified in the building and are described and catalogued in Acumen Industrial Hygiene Inc's February 2021 report, Acumen Project No. COB 2125. It is the responsibility of the General Contractor to remove and dispose of these materials.

- . A notification must be made and the J number must be made available to the City of Berkeley Permit Service Center. Contractors must follow state regulations where there is asbestos-related work involving 100 square feet or more of asbestos containing material (8 Cal. Code Regs. §1529, §341.6 et seq.)
- A report must be made by the contractor to the Toxics Management Division and shall include, in addition to the survey, plans on hazardous materials and hazardous waste removal and disposal that comply with State and Federal codes including California Code of Regulations (CCR) 66260 et seq.
- Documentation evidencing disposal of hazardous waste in compliance with the survey shall be submitted to TMD within 30 days of the completion of the demolition.

FIRE SAFETY INFORMATION

Project will comply with 2019 California Fire Code

GENERAL CONTRACTOR AND SUBCONTRACTORS TO COMPLY WITH CFC CHAPTER 33 FOR SAFEGUARDS DURING CONSTRUCTION:

- Smoking shall be prohibited except in designated areas with approved ashtrays. All other areas must have "No Smoking" signage posted around construction areas in accordance with CFC§310. [CFC§3304.1]

- Combustible debris shall not be allowed to accumulate within building. Combustible debris, rubbish and waste material shall be removed from building at the end of each shift of work. [CFC §3304.2]

- Materials susceptible to spontaneous ignition, such as oily rags, shall be stored in a listed disposal container. [CFC §3304.2.4]

- Operations involving the use of cutting and welding shall be done in accordance with Chapter 35. [CFC §3304.6]

- During construction, the construction site or area must be thoroughly cleaned at the end of each work day in order to provide firefighter access in the building in an event of a fire.

LOCAL STREET MAP

PROJECT SUMMARY

THE PROJECT IS A REMODEL OF AN EXISTING, 2,300 SF BUILDING CONSISTING PRIMARILY OF INTERIOR IMPROVEMENTS.

THE PROJECT SCOPE INCLUDES, BUT IS NOT LIMITED TO, MODIFICATIONS TO: EXTERIOR AND INTERIOR WALLS, DOORS, FLOORING, CEILINGS, AND FINISHES, COMPLIANCE WITH CURRENT LIFE SAFETY CODES, AND MODIFICATION TO BUILDING SYSTEMS (HVAC, ELECTRICAL, LIGHTING, TELECOMMUNICATIONS, AUDIO/VISUAL, AND PLUMBING). THE SCOPE INCLUDES MITIGATION OF HAZARDOUS MATERIALS THAT HAVE BEEN DETECTED IN THE BUILDING FINISHES. 1

SALVAGE ALL EXISTING LOCKERS FROM MEN'S LOCKER ROOM 103. RE-INSTALL INTO CITY PROVIDED RELOCATABLE BUILDING PER CITY DIRECTION. REMOVE AND DISPOSE OF ALL EXISTING LOCKERS FROM WOMEN'S RESTROOM 106.

CONTRACTOR WILL BE RESPONSIBLE FOR PREPPING ALL AREAS FOR NEW SCOPE OF WORK INCLUDING PATCHING AND REPAIRING EXISTING CONDITIONS WHERE AFFECTED BY ANY AND ALL DEMOLITION WORK.

THE WORK TO BE PERFORMED UNDER THIS CONTRACT INCLUDES THE FURNISHING OF ALL LABOR, MATERIALS, EQUIPMENT, TRANSPORTATION, SERVICES, PERMITS, TEMPORARY CONTROLS AND CONSTRUCTION FACILITIES, AND ALL GENERAL CONDITIONS, SEISMIC REQUIREMENTS, GENERAL REQUIREMENTS AND INCIDENTALS REQUIRED TO COMPLETE THE WORK ON THE PROJECT IN ITS ENTIRETY AS DESCRIBED IN THE CONTRACT DOCUMENTS.

Electrical

Capital Engineering
11020 Sun Center Drive
Suite 100
Rancho Cordova CA 95670
Tel: (916) 851-3500

Mechanical

Capital Engineering
11020 Sun Center Drive
Suite 100
Rancho Cordova CA 95670
Tel: (916) 851-3500

Structural

IDA Structural Engineers
1629 Telegraph Avenue
Suite 300
Oakland CA 94612-2114
Tel: (510) 834-1629

Architect

Noll & Tam Architects
729 Heinz Ave
Berkeley, CA 94710
Tel: 510.542.2200
Fax: 510.542.2201

Client

City of Berkeley
Public Works Department
1947 Center Street
Tel: (510) 981 6300

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025
N&T JOB NUMBER 22125

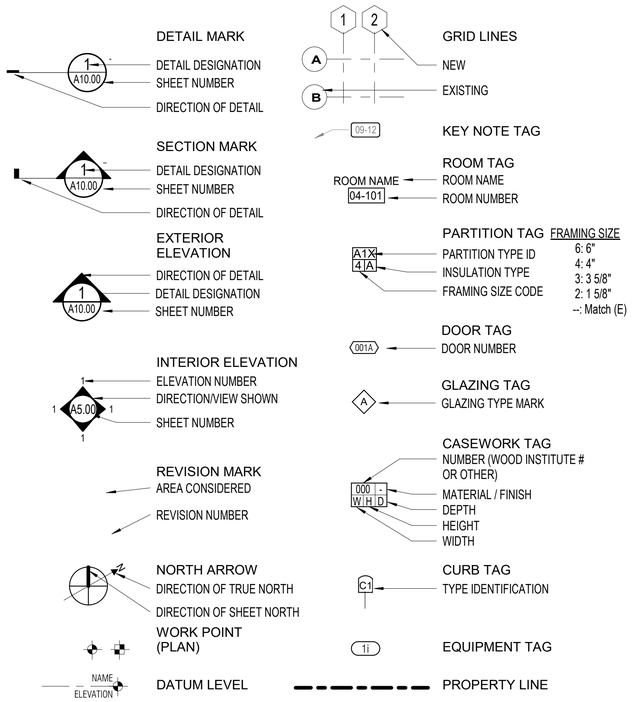
REVISIONS

	DATE	DESCRIPTION
1	01.20.2023	Permit Resubmittal
3	09.23.24	Revision 3

SHEET TITLE
COVER SHEET

SHEET NUMBER
G0.00

SYMBOLS LEGEND



GENERAL NOTES

1. WORK SHALL MEET OR EXCEED THE MINIMUM STANDARDS OF APPLICABLE CODES AND ORDINANCES AND SHALL NOT BE CONSTRUED TO PERMIT WORK NOT CONFORMING TO THOSE CODES.
2. CONSTRUCTION MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE PROJECT SPECIFICATIONS.
3. VERIFY ALL DIMENSIONS AND INSPECT CONDITION OF IN-PLACE CONSTRUCTION BEFORE STARTING WORK. PROCEEDING WITH THE WORK SHALL CONSTITUTE ACCEPTANCE OF CONDITIONS.
4. CONTRACTOR SHALL EXAMINE THE DOCUMENTS AND SHALL NOTIFY THE ARCHITECT OF ANY DISCREPANCIES PRIOR TO THE START OF WORK.
5. THE CONTRACTOR AND ALL SUBCONTRACTORS ARE REQUIRED TO VISIT AND INSPECT THE SITE PRIOR TO CONSTRUCTION OR ORDERING ANY MATERIALS.
6. ITEMS MARKED "NIC" ARE NOT IN CONTRACT. SUCH ITEMS ARE INCLUDED IN THE DOCUMENTS WHEN CONTRACTOR'S COORDINATION IS REQUIRED OR FOR CLARIFICATION OF PROJECT LIMITS.
7. DETAILS MARKED "TYPICAL" SHALL APPLY IN ALL SIMILAR CASES, UON.
8. DIMENSIONS
   a. IN NO CASE SHALL WORKING DIMENSIONS BE SCALED FROM THE DRAWINGS.
   b. ALL DIMENSIONS SHALL BE VERIFIED IN THE FIELD BY THE CONTRACTOR PRIOR TO PROCEEDING WITH CONSTRUCTION.
   c. ELEVATION MARKERS REFER TO THE TOP OF THE SLAB ON GRADE DATUM. FLOOR AND ROOF ELEVATIONS NOTED ARE TO TOP OF STRUCTURAL ASSEMBLY, UON. WALL HEIGHT ELEVATIONS ARE TO TOP OF FRAMING, UON.
   d. STUD WALLS: ALL DIMENSIONS ARE TO THE FACE OF STUD, UON.
   e. CEILING HEIGHT DIMENSIONS: ARE FROM FINISHED FLOOR TO FINISHED FACE OF CEILING, UON.
   f. OPENINGS: DOOR DIMENSIONS ARE TO THE EDGE OF DOOR PANEL, UON. LOCATE UNDIMENSIONED DOORS 4" FROM FINISHED FACE OF INTERSECTING PARTITION TO HINGE EDGE OF DOOR PANEL.
   g. ALL DIMENSIONS NOTED "CLEAR" OR "CLR" INDICATE DIMENSION FROM FACE OF FINISH TO FACE OF FINISH OR OBJECT, UON AND MUST BE STRICTLY MAINTAINED.
   h. ALL DIMENSIONS NOTED "VERIFY" OR "VIF" ARE TO BE CHECKED BY THE CONTRACTOR PRIOR TO CONSTRUCTION. ANY VARIANCE FROM THE REQUIRED DIMENSIONS MUST BE BROUGHT IMMEDIATELY TO THE ARCHITECT'S ATTENTION.
   i. COORDINATE WITH EQUIPMENT CONTRACTORS FOR ROUGH-IN DIMENSIONS AND TEMPLATES.
9. EXISTING BUILDING AND SITE DOCUMENTATION IS BASED ON AVAILABLE DOCUMENTATION PROVIDED BY THE OWNER AND LIMITED SITE OBSERVATION INVESTIGATIONS. AS BUILT CONDITIONS MAY VARY. CONTRACTOR IS TO USE CAUTION IN DEMOLITION AND IS TO NOTIFY ARCHITECT IMMEDIATELY IF ANY VARIATIONS OR DISCREPANCIES ARE UNCOVERED.
10. CONTRACTOR TO MAINTAIN SAFE & COMPLIANT EGRESS FROM OCCUPIED AREAS TO THE PUBLIC WAY OR TO SAFE DISPERSAL AREAS DURING CONSTRUCTION ACTIVITIES.
11. PROTECT EXISTING CONDITIONS TO REMAIN. CONFIRM W/ ARCHITECT AND/OR OWNERS REPRESENTATIVE ITEMS TO BE SALVAGED PRIOR TO START OF DEMOLITION.
12. PROTECT ALL (E) BUILDING & SITE INFRASTRUCTURE TO REMAIN.
13. THE DRAWINGS INDICATE THE GENERAL EXTENT OF CONSTRUCTION NECESSARY FOR THE WORK BUT ARE NOT INTENDED TO BE ALL-INCLUSIVE. ALL DEMO AND NEW WORK NECESSARY FOR A COMPLETED PROJECT IN ACCORDANCE W/ THE CONTRACT DOCUMENTS SHALL BE INCLUDED REGARDLESS OF WHETHER OR NOT SHOWN IN THE CONTRACT DOCUMENTS. THE INTEGRITY AND CONTINUITY OF ALL EXISTING FIRE, THERMAL, ACOUSTIC, & WEATHER BARRIER ASSEMBLIES IS TO BE STRICTLY MAINTAINED. SELECTIVE REMOVAL, REPLACEMENT, PATCHING & REPAIR SHALL BE PROVIDED TO MAINTAIN INTEGRITY OF EXISTING ASSEMBLIES AND FINISHES TO MATCH EXISTING ADJACENT ASSEMBLIES AND FINISHES.
14. PROVIDE TEMPORARY BARRIERS FOR SAFETY, SECURITY & CLEANLINESS

SHEET INDEX

ABBREVIATIONS

&	AND
(E)	EXISTING
(N)	NEW
@	AT
AB	ANCHOR BOLT
AC	ASPHALTIC CONCRETE
ACC	ACCESS
ACOUS	ACOUSTICAL
ACT	ACOUSTIC CEIILING TILE
AD	AREA DRAIN
ADDL	ADDITIONAL
ADJ	ADJACENT/ADJUSTABLE
AESS	ARCHITECTURAL EXPOSED STRUCTURAL STEEL
AFF	ABOVE FINISHED FLOOR
AGG	AGGREGATE
ALT	ALTERNATE
ALUM	ALUMINUM
ANOD	ANODIZED
APPROX	APPROXIMATE
AV	AUDIO VISUAL
BD	BOARD
BLDG	BUILDING
BLK	BLOCK
BLKG	BLOCKING
BM	BEAM
BO	BOTTOM OF
BOT	BOTTOM
BUR	BUILT UP ROOF
CAB	CABINET
CB	CARRIAGE BOLT
CE	CIVIL ENGINEER
CEM	CEMENT/CEMENTITIOUS
CER	CERAMIC
CFMF	COLD FORMED METAL FRAMING
CI	CAST IRON
CJ	CONTROL JOINT
CLG	CEILING
CLKG	CAULKING
CLO	CLOSET
CLR	CLEAR
CMU	CONCRETE MASONRY UNIT
CNTR	COUNTER
CO	CLEAN OUT
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
CORR	CORRIDOR
CPT	CARPET
CSMT	CASEMENT
CTR	CENTER
CTSK	COUNTERSINK
D	DEPTH
DBL	DOUBLE
DEMO	DEMOLITION
DEPT	DEPARTMENT
DF	DOUGLAS FIR/DRINKING FOUNTAIN
DH	DOUBLE HUNG
DIA	DIAMETER
DIM	DIMENSION
DISP	DISPOSAL
DN	DOWN
DR	DOOR
DS	DOWNSPOUT
DTL	DETAIL
DWG	DRAWING
DWR	DRAWER
E	EAST
EA	EACH
EJ	EXPANSION JOINT
ELEC	ELECTRICAL
ELEV	ELEVATION/ELEVATOR
ENLG	ENLARGED
EOS	EDGE OF SLAB
EP	ELECTRICAL PANEL
EQ	EQUAL
EQUIP	EQUIPMENT
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXP	EXPANSION
EXT	EXTERIOR
FA	FIRE ALARM
FD	FLOOR DRAIN
FDN	FOUNDATION
FE	FIRE EXTINGUISHER
FEC	FIRE EXTINGUISHER CABINET
FHC	FIRE HOSE CABINET
FIN	FINISH
FIN FLR	FINISH FLOOR
FIXT	FIXTURE
FLR	FLOOR
FLRG	FLOORING
FLUOR	FLUORESCENT
FOC	FACE OF CONCRETE
FOF	FACE OF FINISH
FOS	FACE OF STUD
FR	FIRE RESISTANT/FIRE RETARDANT
FRP	FIBERGLASS REINFORCED PANEL
FRT	FIRE RETARDANT TREATED
FSP	FIBERGLASS SANDWICH PANEL
FT	FOOT/FEET
FTG	FOOTING
FURN	FURNITURE
FX	FIXED
GA	GAUGE
GALV	GALVANIZED
GB	GRAB BAR
GC	GENERAL CONTRACTOR
GFI	GROUND FAULT INTERRUPT
GI	GALVANIZED IRON
GL	GLASS/GLAZING
GLAM	GLUE LAMINATED
GR	GRADE
GSM	GALVANIZED SHEET METAL
GWB	GYPSUM WALL BOARD
GYP	GYPSUM
H	HIGH / HEIGHT
HB	HOSE BIB
HC	HOLLOW CORE
HD	HEAD
HDR	HEADER
HDW	HARDWARE
HDWD	HARDWOOD
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HR	HOUR
HT	HEIGHT
HVAC	HEATING VENTILATION & AIR CONDITIONING
ID	INSIDE DIAMETER
IF	INSIDE FACE
INC	INCANDESCENT
INCL	INCLUDE/INCLUDING
INSUL	INSULATION
INT	INTERIOR
JAN	JANITOR
JBOX	JUNCTION BOX
JST	JOIST
JT	JOINT
LAM	LAMINATE
LAV	LAVATORY
LB	LAG BOLT
LF	LINEAR FEET
LKR	LOCKER
LT	LIGHT
MAS	MASONRY
MATL	MATERIAL
MAX	MAXIMUM
MB	MACHINE BOLT
MECH	MECHANICAL
MET	METAL
MFR	MANUFACTURER
MH	MANHOLE
MIN	MINIMUM
MISC	MISCELLANEOUS
MTD	MOUNTED
MTL	METAL
MUL	MULLION
N	NORTH
NA	NOT APPLICABLE
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OA	OVERALL
OC	ON CENTER
OCC	OCCUPANT
OD	OUTSIDE DIAMETER/OVERFLOW DRAIN
OF	OUTSIDE FACE
OFCI	OWNER FURNISHED CONTRACTOR INSTALLED
OFD	OVERFLOW DRAIN
OFF	OFFICE
OP	OPERABLE
OPNG	OPENING
OPP	OPPOSITE
OPP HD	OPPOSITE HAND
PA	PUBLIC ADDRESS
PARTN	PARTITION
PCP	PORTLAND CEMENT PLASTER
PL	PLATE
PLAM	PLASTIC LAMINATE
PLAS	PLASTIC
PLY	PLYWOOD
PR	PAIR
PROJ	PROJECT/PROJECTOR
PT	POINT/PRESSURE TREATED
PTD	PAINTED
PVC	POLYVINYLCHLORIDE
QTY	QUANTITY
R	RISER
RAD	RADIUS
RD	ROOF DRAIN
REF	REFERENCE
REFR	REFRIGERATOR
REG	REGISTER
REINF	REINFORCE/REINFORCING
REQD	REQUIRED
REQT	REQUIREMENTS
RES	RESILIENT
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
RWL	RAIN WATER LEADER
S	SOUTH
SASF	SELF ADHERING SHEET FLASHING
SASM	SELF ADHERING SHEET MEMBRANE
SC	SOLID CORE
SCD	SEE CIVIL DRAWINGS
SCHED	SCHEDULE
SE	STRUCTURAL ENGINEER
SEC	SECTION
SED	SEE ELECTRICAL DRAWINGS
SF	SUPPLY FAN
SFRM	SPRAY-APPLIED FIRE RESISTIVE MATERIAL
SH	SINGLE HUNG
SHT	SHEET
SHTG	SHEATHING
SIM	SIMILAR
SLD	SEE LANDSCAPE DRAWINGS
SMD	SEE MECHANICAL DRAWINGS
SOG	SLAB ON GRADE
SP	SPACE
SPA	SANDWICH PANEL ASSEMBLY
SPD	SEE PLUMBING DRAWINGS
SPEC	SPECIFICATION
SQ	SQUARE
SS	STAINLESS STEEL
SSD	SEE STRUCTURAL DRAWINGS
SSGD	SEE SIGNAGE DRAWINGS
SSK	SERVICE SINK
SSTL	STAINLESS STEEL
STD	STANDARD
STED	SEE TELECOM DRAWINGS
STL	STEEL
STOR	STORAGE
STRUC	STRUCTURAL
SUSP	SUSPENDED
SYS	SYSTEM
T	TREAD
T&G	TONGUE & GROOVE
TBD	TO BE DETERMINED
TEL	TELEPHONE
TEMP	TEMPERED
THK	THICK/THICKNESS
THRESH	THRESHOLD
TJI	TRUSS JOIST
TO	TOP OF
TOC	TOP OF CONCRETE/CURB
TOP	TOP OF PAVING
TOS	TOP OF STEEL
TOW	TOP OF WALL
TS	TUBE STEEL
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
UR	URINAL
VCT	VINYL COMPOSITION TILE
VENT	VENTILATION
VERT	VERTICAL
VEST	VESTIBULE
VIF	VERIFY IN FIELD
W	WEST / WIDTH / WIDE
W/	WITH
W/O	WITHOUT
WC	WATER CLOSET
WD	WOOD
WH	WATER HEATER
WIN	WINDOW
WO	WHERE OCCURS
WP	WORK POINT
WR	WATER RESISTANT
WT	WEIGHT

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

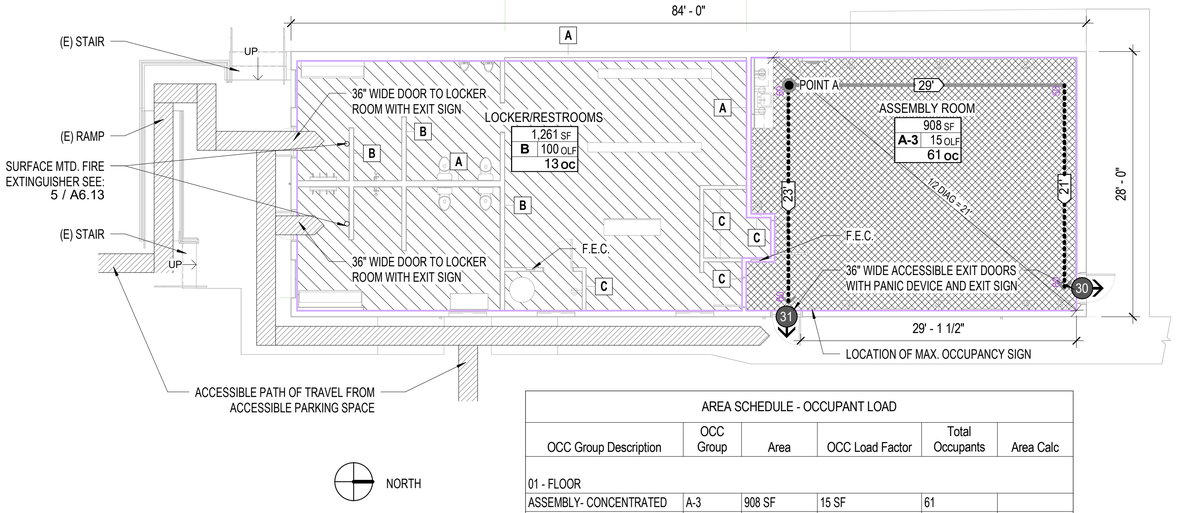
ISSUE DATE 03.31.2025
N&T JOB NUMBER 22125

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
GENERAL NOTES / SHEET INDEX

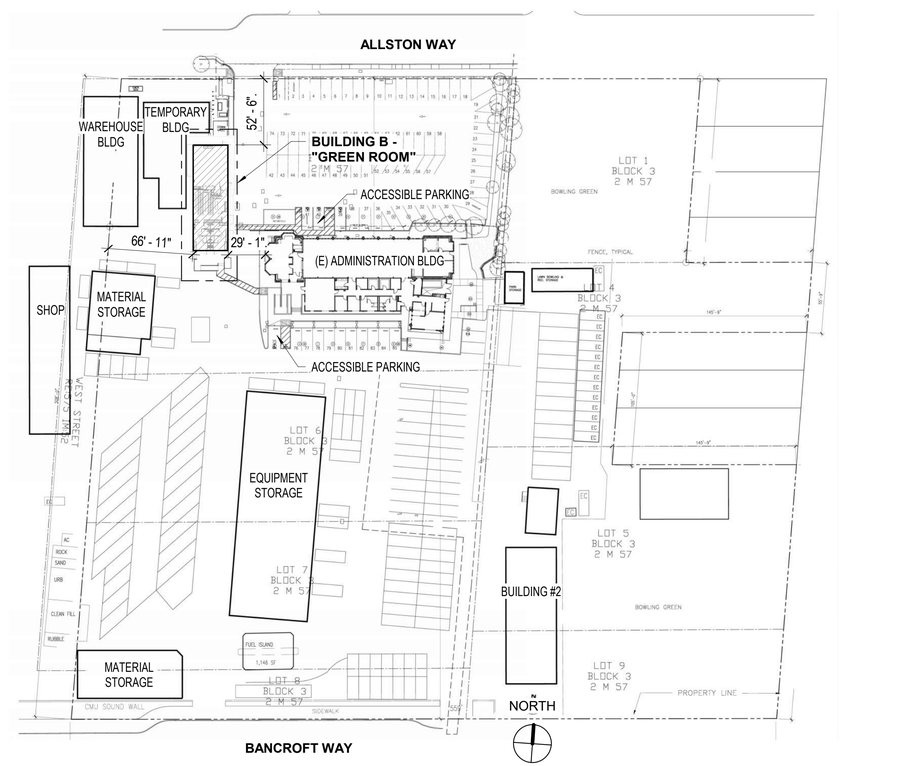
SHEET NUMBER
G0.01



AREA SCHEDULE - OCCUPANT LOAD					
OCC Group Description	OCC Group	Area	OCC Load Factor	Total Occupants	Area Calc
01 - FLOOR					
ASSEMBLY- CONCENTRATED	A-3	908 SF	15 SF	61	
LOCKER/RESTROOMS	B	1261 SF	100 SF	13	
		2169 SF		74	

1 G1.31 FLOOR 1 OCCUPANCY / EXITING

1/8" = 1'-0"



2 G1.31 Site Plan - Corporation Yard -

1" = 60'-0"

ACCESSIBLE PATH OF TRAVEL

ACCESSIBLE PATH OF TRAVEL AS INDICATED ON PLAN IS A CONTINUOUS, BARRIER FREE ACCESS ROUTE WITHOUT ANY ABRUPT LEVEL CHANGES EXCEEDING 1/2" BEVELED AT 1:2 MAX SLOPE, OR VERTICAL CHANGES NOT EXCEEDING 1/4" MAX AND AT LEAST 44" WIDE PER CBC SECTION 11B-403.5.1. SURFACE IS SLIP RESISTANT, STABLE, FIRM, AND SMOOTH. CROSS SLOPE DOES NOT EXCEED 1:48 AND SLOPE IN THE DIRECTION OF TRAVEL IS LESS THAN 1:20 UNLESS OTHERWISE INDICATED.
CONTRACTOR SHALL VERIFY THAT ALL BARRIERS IN THE PATH OF TRAVEL HAVE BEEN REMOVED OR WILL BE REMOVED UNDER THIS PROJECT, AND PATH OF TRAVEL COMPLIES WITH CBC.
ALL PATHS OF TRAVEL SHALL BE ACCESSIBLE.

OCCUPANCY TYPE

ASSEMBLY, UNCONCENTRATED (15 SF/OCC)

BUSINESS AREA (100 SF/OCC)

BUILDING IS TYPE V-B, NOT SPRINKLED, SINCE EXISTING SF IS 2,300, BUILDING IS CONSIDERED A NON-SEPARATED A-OCCUPANCY PER CBC 508.4

SYMBOL LEGEND

ASSEMBLY-UNCONCENTRATED — OCCUPANCY TYPE DESCRIPTION

4,000 SF — TOTAL ROOM AREA IN SQUARE FEET

A-3 200 OLF — OCCUPANT LOAD FACTOR PER CBC TABLE 1004.5

20 oc — TOTAL OCCUPANT LOAD

OCCUPANCY GROUP PER CBC, SECTION 302

COMMON PATH OF EGRESS TRAVEL PER CBC TABLE 1006.2.1

EXIT ACCESS TRAVEL DISTANCE PER CBC TABLE 1017.2

ACCESSIBLE PATH

30 4 — NUMBER OF OCCUPANTS EXITING A SPACE

FEC — FIRE EXTINGUISHER CABINET WITH CLASS A, 2-A: 10-B:C EXTINGUISHER

SURFACE-BRACKET MTD. EXTINGUISHER: CLASS A, 2-A: 10-B:C

EGRESS SIZING PER CBC 1005.3.2

36" SINGLE DOOR CAPACITY = 168

ALL EXIT DOORS MIN. 36" WIDTH
ALL PATHS OF EGRESS MIN 44" WIDE AND AS REQUIRED FOR EXIT LOAD

A — TYPICAL EXTERIOR WALL TYPE: 8-INCH GROUTED C.M.U. WALL, LOAD-BEARING, 2-HOUR RATING, UL 618

B — TYPICAL INTERIOR PARTITION WALL TYPE: 6-INCH GROUTED C.M.U. WALL

C — TYPICAL INTERIOR WOOD-FRAMED WALL TYPE: 2X4 WOOD STUDS @ 16" O.C., 5/8" TYPE X GYP BOTH SIDES, 1-HOUR RATING, UL 305, U314

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
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SEAL

LICENSED ARCHITECT — JANET TAM — No. C-14064 — REN. 01-31-25 — STATE OF CALIFORNIA

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1	01.20.2023	Permit Resubmittal

SHEET TITLE
CODE OCCUPANCY & EXIT PLANS

SHEET NUMBER
G1.31

Form #165

Code Compliance Checklist
CALGREEN NON-RESIDENTIAL

Building and Safety
Permit Service Center

Projects for new buildings, additions of 1,000 square feet or greater and/or building alterations with a permit valuation of $200,000 or above are subject to the provisions of the California Green Building Standards Code. This checklist is provided by the City of Berkeley in order to demonstrate compliance with the code and facilitate permit approval.

Instructions:

1. Read and understand the requirements of all mandatory measures listed in this checklist.
2. Mark all mandatory measures that are applicable to the proposed project.
3. Coordinate the construction drawings with the mandatory measures.
4. Incorporate this checklist into the submitted set of construction drawings on full sized sheets.

Building and Safety
1947 Center St. 3rd floor
Berkeley, CA 94704
510-981-7440 TTY 6903
buildingandsafety@cityofberkeley.info

Project Information

Project Address: 1326 Allston Way, Berkeley, CA 94702

Permit Number:

☐ New Building [N] ☐ Addition [A] ☑ Alteration

Planning and Design

Storm Water

☑ **Storm wate** The area around this building is completely paved and the Corporation Yard has an existing storm water management system
shall prevent the pollution of stormwater runoff from the construction activities through one or more of the following measures: [CGBSC 5.106.1]

- **Stormwater management.** Comply with the Stormwater management and erosion control requirements per Title 17 of the City of Berkeley Municipal Code. [CGBSC 5.106.1.1]
- **Best management practices (BMP).** Prevent the loss of soil through wind or water erosion by implementing an effective combination of erosion and sediment control and good housekeeping BMP. [CGBSC 5.106.1.2]
- **Grading and paving.** Indicate how site grading or drainage system will manage all surface water flows to keep water from entering buildings. [CGBSC 5.106.1.10]

Bicycle Parking N/A

☐ **Bicycle Parking.** Projects adding 10 or more vehicular parking spaces shall comply with the the following or meet the applicable City of Berkeley ordinance, whichever is stricter. [CGBSC 5.106.4.1]

- **Short-term bicycle parking.** Provide permanently anchored bicycle racks within 200 feet of the visitors' entrance, readily visible to passers-by, for 5-percent of new visitor motorized vehicle parking spaces being added, with a minimum of one two-bike capacity rack. [CGBSC 5.106.4.1.1]
- **Long-term bicycle parking.** Provide secure bicycle parking for 5-percent of the tenant vehicular parking spaces being added, with a minimum of one space. [CGBSC 5.106.4.1.2]

Vehicle Parking N/A

☐ **Designated parking.** In projects that add 10 or more vehicular parking spaces, provide designated parking for any combination of low-emitting, fuel-efficient and carpool/van pool vehicles per CALGreen Table 5.106.5.2. Provide parking stall markings as required per CALGreen Section 5.106.5.2.1. [CGBSC 5.106.5.2]

Electric Vehicle Charging

Definitions

ELECTRIC VEHICLE (EV) CHARGER. Off-board charging equipment used to charge an electric vehicle.

ELECTRIC VEHICLE CHARGING SPACE (EV SPACE). A space intended for future installation of EV charging equipment and charging of electric vehicles.

ELECTRIC VEHICLE CHARGING SPACE (EV SPACE) RACEWAY EQUIPPED. An EV Space that includes a raceway between any enclosed, inaccessible or concealed areas and the electrical service panel or subpanel. No additional electrical panel capacity is required at the time of construction.

ELECTRIC VEHICLE CHARGING STATION (EVCS). One or more electric vehicle charging spaces served by electric vehicle charger(s) or other

Last Revised 05/06/20

equipment allowing charging of electric vehicles. Electric vehicle charging stations are not considered parking spaces.

ELECTRIC VEHICLE SUPPLY EQUIPMENT (EVSE). The conductors, including the ungrounded, grounded, and equipment grounding conductors and the electric vehicle connectors, attachment plugs, and all other fittings, devices, power outlets, or apparatus installed specifically for the purpose of transferring energy between the premises wiring and the electric vehicle.

☐ **Identification.** The service panel or subpanel circuit directory shall identify the overcurrent protective device for future EV charging as "EV CAPABLE" and identify the overcurrent protective devices serving EVCS as "EV CHARGER". Raceway termination locations shall be permanently and visibly marked as "EV CAPABLE". [CGBSC 5.106.6.3.4]

☐ **Raceways.** Listed raceways and associated conductors shall be sized to accommodate a dedicated 208/240-volt branch circuit for a future EV charger. The raceway shall not be less than nominal 1-inch inside diameter. Raceways shall originate at the main service or subpanel and shall terminate into a listed cabinet, box or other enclosure in close proximity to the proposed location of an EV charger. Construction documents shall identify the raceway termination point. [CGBSC 5.106.5.3.1 and 5.106.5.3.2]

Electric Vehicle Charging Stations

☐ **Single EVCS.** The service panel and/or subpanel shall be provided with a 40 ampere minimum dedicated branch circuit and overcurrent protective device to serve EVSE. [CGBSC 5.106.5.3.1

☐ **Multiple EVCS.** Construction documents shall provide information on amperage of dedicated branch circuits, EVSE, raceway method(s), wiring schematics and electrical load calculations to verify that the electrical panel service capacity and electrical system, including any on-site distribution transformer(s), have sufficient capacity to simultaneously charge all EVs at the full rated amperage of the EVSE. Plan design shall be based upon a 40-ampere minimum branch circuit. [CGBSC 5.106.5.3.2]

Accessibility

☐ **Minimum number.** Where EVCS are required, EVCS complying with CBC Section 11B-228.3.1 and 11B-812 shall be provided in accordance with CBC Table 11B-228.3.2.1. Where an EV charger can simultaneously charge more than one vehicle, the number of EV chargers provided shall be considered equivalent to the number of electric vehicles that can be simultaneously charged. [CBC 11B-228.3.2]

EV Spaces N/A

☐ **EV charging space calculation.** When 10 or more parking spaces are constructed: [CGBSC 5.106.5.3.3]

- 10 percent of the total number of parking spaces shall be EVCS and equipped with EV chargers. Installation of a Direct Current Fast Charger with the capacity to provide at least 80 kW of output may substitute for up to 10 EV Spaces.
- 40 percent of the total number of parking spaces shall be EV Spaces Raceway Equipped capable of supporting future EVSE.

Light Pollution

☑ **Light pollution reduction. [N]** Outdoor lighting systems shall be designed and installed to comply with Backlight, Uplight and Glare rating requirements in CALGreen Table 5.106.8 or comply with the City of Berkeley's ordinances, whichever is more stringent [CGBSC 5.106.8].

Water Efficiency and Conservation N/A

Indoor Water Use: Metering Devices

☐ **New buildings or additions in excess of 50,000 square feet.** Separate sub-meters shall be installed as follows: [CGBSC 5.303.1.1]

- For each individual leased, rented, or other tenant space within the building projected to consume more than 100 gal/day, including, but not limited to, spaces used for laundry or cleaners, restaurant or food service, medical or dental office, laboratory, or beauty salon or barber shop.
- Where separate sub-meters for individual building tenants are unfeasible, for water supplied to the following subsystems:
  a. Makeup water for cooling towers where flow through is greater than 500 gpm.
  b. Makeup water for evaporative coolers greater than 6 gpm.
  c. Steam and hot-water boilers with energy input more than 500,000 Btu/h.

☐ **Excess consumption. [N]** A separate sub-meter or metering device shall be provided for any tenant within a new building or within an addition that is projected to consume more than 1,000 gal/day. [CGBSC 5.303.1.2]

Indoor Water Use: Water Conservation

☑ **Water closets.** The effective flush volume of all water closets shall not exceed 1.28 gallons per flush. Tank-type water closets shall be certified to the performance criteria of the US EPA WaterSense Specification for Tank-type Toilets. [CGBSC 5.303.3.1] See Sheet **P0.1** for plumbing fixture schedule

Urinals

☑ **Wall-mounted urinals.** The effective flush volume of wall-mounted urinals shall not exceed 0.125 gallons per flush. [CGBSC 5.303.3.2.1] See Sheet **P0.1** for plumbing fixture schedule

☐ **Floor-mounted urinals.** The effective flush volume of floor mounted or other urinals shall not exceed 0.5 gallons per flush. [CGBSC 5.303.3.2.2]

Showerheads

☑ **Single showerhead.** Showerheads shall have a maximum flow rate of not more than 1.8 gallons per minute at 80 psi. Showerheads shall be certified to the performance criteria of the US EPA WaterSense Specification for Showerheads. [CGBSC 5.303.3.3.1] See Sheet **P0.1** for plumbing fixture schedule

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

Faucets and Fountains

☑ **Nonresidential lavatory faucets.** Lavatory faucets shall have a maximum flow rate of not more than 0.5 gallons per minute at 60 psi. [CGBSC 5.303.3.4.1] See Sheet **P0.1** for plumbing fixture schedule

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

☐ **Wash fountains.** Wash fountains shall have a maximum flow rate of not more than 1.8 gallons per minute/20 [rim space (inches) at 60 psi]. [CGBSC 5.303.3.4.3] See Sheet **P0.1** for plumbing fixture schedule

☐ **Metering faucets.** Metering faucets shall not deliver more than 0.20 gallons per cycle. [CGBSC 5.303.3.4.4]

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

Commercial Kitchen Equipment N/A

☐ **Food waste disposers.** Disposers shall either modulate the use of water to no more than 1 gpm when the disposer is not in use (not actively grinding food waste/noload) or shall automatically shut off after no more than 10 minutes of inactivity. Disposers shall use no more than 8 gpm of water. [CGBSC 5.303.4.1]

Outdoor Water Use N/A

☐ **Outdoor potable water use in landscape areas.** Nonresidential developments shall comply with a local water efficient landscape ordinance or the current California Department of Water Resources' Model Water Efficient Landscape Ordinance (MWELO), whichever is more stringent. [CGBSC 5.304.1]

Note: The Model Water Efficient Landscape Ordinance (MWELO) is located in the California Code of Regulations, Title 23, Chapter 2.7, Division 2.

Material Conservation and Resource Efficiency

Low-carbon Concrete

☐ **Reduction in cement use.** As allowed by the enforcing agency, cement used in concrete mix design shall be reduced not less than 25 percent. Products commonly used to replace cement in concrete mix designs include, but are not limited to fly ash, slag, silica fume, and rice hull ash. [CGBSC 5.405.1]

Water Resistance and Moisture Management

☐ **Sprinklers.** Design and maintain landscape irrigation systems to prevent spray on structures. [CGBSC 5.407.2.1]

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

- **Exterior door protection.** Primary exterior entries shall be covered to prevent water intrusion by using non-absorbent floor and wall finishes within at least 2 feet around and perpendicular to such openings plus at least one of the following: [CGBSC 5.407.2.2.1]
  a. An installed awning at least 4 feet in depth.
  b. The door is protected by a roof overhang at least 4 feet in depth.
  c. The door is recessed at least 4 feet.
  d. Other methods which provide equivalent protection.
- **Flashing.** Install flashings integrated with a drainage plane. [CGBSC 5.407.2.2.2]

Construction Waste Reduction, Disposal and Recycling

☑ **Construction waste management plan & excavated soil and land clearing debris.** Recycle and/or salvage for reuse a minimum of 65 percent of the nonhazardous construction and demolition waste and a minimum of 100 percent of excavated soil, land-clearing debris, concrete and asphalt. Provide a completed City of Berkeley Construction Waste Management Plan. [CGBSC 5.408.1 and 5.408.3]

☑ **Universal waste. [A]** Additions and alterations to a building or tenant space shall require verification that Universal Waste items such as flourescent lamps and ballast and mecury containing thermostats as well as other California prohibited Universal Waste materials are disposed of properly and are diverted from landfills. [CGBSC 5.408.2]

Building Maintenance and Operation

☑ **Recycling by occupants.** Provide readily accessible areas that serve the entire building and are identified for the depositing, storage and collection of non-hazardous materials for recycling, including (at a minimum) paper, corrugated cardboard, glass, plastics, organic waste, and metals. [CGBSC 5.410.1]

☐ **Additions. [A]** All additions conducted within a 12-month period under single or multiple permits, resulting in an increase of 30 percent or more in floor area, shall provide recycling areas on site. [CGBSC 5.410.1.1]

☐ **Commissioning. [N]** N/A For newly constructed buildings 10,000 square feet and over, building commissioning shall be included in the design and construction process of the project to verify that the building's energy systems and components meet the owner's or owner representative's project requirements. For buildings less than 10,000 square feet, only the Design Phase Design Review requirements (see Section 12.4) and Commissioning Measures Shown in the Construction Documents (see Section 12.5) shall be completed.

12. Building Commissioning Guide

For all newly constructed nonresidential buildings, commissioning shall be included in the design and construction process of the project to verify that the building's energy systems and components meet the owner's or owner representative's project requirements. For buildings less than 10,000 square feet, only the Design Phase Design Review requirements (see Section 12.4) and Commissioning Measures Shown in the Construction Documents (see Section 12.5) shall be completed.

- Enviro
- Energy efficiency goals.
- Indoor environmental quality requirements.
- Project program, including facility functions and hours of operation, and need for after hours operation.
- Equipment and systems expectations.
- Building occupant and operation and maintenance (O&M) personnel expectations.

☐ **Basis of Design (BOD). [N]** A written explanation of how the design of the building systems meets the OPR shall be completed at the design phase of the building project. The Basis of Design document shall cover: [CGBSC 5.410.2.2]

- Heating, ventilation, air conditioning systems and controls.
- Indoor lighting system and controls.
- Water heating system.
- Renewable energy systems.
- Landscape irrigation systems.
- Water reuse systems.

☐ **Commissioning plan. [N]** Prior to permit issuance a commissioning plan shall be completed to document how the project will be commissioned. The commissioning plan shall include the following: [CGBSC 5.410.2.3]

- General project information.
- Commissioning goals.
- Systems to be commissioned. Plans to test systems and components shall include:
  a. An explanation of the original design intent.
  b. Equipment and systems to be tested, including the extent of tests.
  c. Functions to be tested.
  d. Conditions under which the test shall be performed.
  e. Measurable criteria for acceptable performance.

- Commissioning team information.
- Commissioning process activities, schedules and responsibilities. Plans for the completion of commissioning shall be included.

☐ **Functional performance testing. [N]** Functional performance tests shall demonstrate the correct installation and operation of each component, system and system-to-system interface in accordance with the approved plans and specifications. Functional performance testing reports shall contain information addressing each of the building components tested, testing methods utilized, and any readings and adjustments made. [CGBSC 5.410.2.4]

☐ **Documentation and training. [N]** A systems manual and systems operations training are required, including Occupational Safety and Health Act (OSHA) requirements in California Code of Regulations (CCR), Title 8, Section 5142, and other related regulations. [CGBSC 5.410.2.5]

☐ **Commissioning report. [N]** A report of commissioning process activities undertaken through design and construction phases of the building project shall be completed and provided to the owner or representative. [CGBSC 5.410.2.6]

☑ **Testing and adjusting.** Testing and adjusting of systems shall be required for newly constructed buildings less than 10,000 square feet, or new systems to serve an addition or alteration, as applicable. [CGBSC 5.410.4]

- HVAC systems and controls.
- Indoor and outdoor lighting and controls.
- Water heating systems.
- Renewable energy systems.
- Landscape irrigation systems.
- Water reuse systems.

☑ **Procedures.** Perform testing and adjusting procedures in accordance with manufacturer's specifications and applicable standards on each system. [CGBSC 5.410.4.3]

☑ **HVAC balancing.** In addition to testing and adjusting, before a new space-conditioning system serving a building or space is operated for normal use, balance the system in accordance with the procedures defined by the Testing Adjusting and Balancing Bureau National Standards; the National Environmental Balancing Bureau Procedural Standards; Associated Air Balance Council National Standards or as approved by the City of Berkeley. [CGBSC 5.410.3.1]

☑ **Reporting.** After completion of testing, adjusting and balancing, provide a final report of testing signed by the individual responsible for performing these services. [CGBSC 5.410.4.4]

☑ **Operation and maintenance (O&M) manual.** Provide the building owner or representative with detailed operating and maintenance instructions and copies of guaranties/warranties for each system. O&M instructions shall be consistent with OSHA requirements in CCR, Title 8, Section 5142, and other related regulations. [CGBSC 5.410.4.5]

Environmental Quality

Fireplaces

☐ **Fireplaces.** Install only a direct-vent sealed-combustion gas or sealed wood-burning fireplace, or a sealed woodstove or pellet stove, and refer to residential requirements in the California Energy Code Section 150. [CGBSC 5.503.1]

☐ **Woodstoves.** Woodstove and pellet stoves shall comply with U.S. EPA New Source Performance Standards (NSPS) emission limits as applicable, and shall have a permanent label indicating they are certified to meet the emission limits. [CGBSC 5.503.1.1]

Pollutant Control: Mechanical Systems See Mechanical Drawings, new HVAC system will be installed

☐ **Temporary ventilation.** The permanent HVAC system shall be operated if necessary to condition the building 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-percent 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. [CGBSC 5.504.1]

☐ **Covering of duct openings & protection of mechanical equipment during construction.** At the time of rough installation and during storage on the construction site until final startup of the heating, cooling and ventilating equipment, all duct and other related air distribution component openings shall be covered with tape, plastic, sheetmetal or other methods acceptable to the City of Berkeley to reduce the amount of dust, water and debris

which may enter the system. [CGBSC 5.504.3]

☑ **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 13. MERV 13 filters shall be installed prior to occupancy, and recommendations for maintenance with filters of the same value shall be included in the operation and maintenance manual. Existing mechanical equipment excepted. [CGBSC 5.504.5.3]

- **Labeling.** Insta See Mechanical Drawings, new HVAC system will be installed er indicating the MERV rating. [CGBSC 5.504.5.3.1]

☐ **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 the City of Berkeley, whichever are more stringent. When ordinances, regulations or policies are not in place, post signage to inform building occupants of the prohibitions. [CGBSC 5.504.7]

Pollutant Control: Finish Material

☑ **Adhesives, sealants and caulks.** Adhesives, sealants and caulks used on the project shall comply with CALGreen Table 5.504.4.1 and 5.504.4.2 for VOC limits. Product units which do not weigh more than 1 pound and do not consist of more than 16 fluid ounces shall comply with statewide VOC standards and California Code of Regulations, Title 17. [CGBSC 5.504.4.1]

☑ **Paints and Coatings.** Architectural paints and coatings shall comply with VOC limits in CALGreen Table 5.504.4.3. 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 CALGreen Table 5.504.4.3 shall apply. [CGBSC 5.504.4.3]

☑ **Aerosol paints and coatings.** Aerosol paints and coatings shall meet the PWMIR Limits for ROC in California Code of Regulations, Title 17 and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49. [CGBSC 5.504.4.3.1]

Carpets N/A

☐ **Carpet systems.** All carpet installed in the building interior shall meet at least one of the following testing and product requirements: [CGBSC 5.504.4.4]

- Carpet and Rug Institute's Green Label Plus Program;
- Compliant with the VOC-emission limits and 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);
- NSF/ANSI 140 at the Gold level or higher;
- Scientific Certifications Systems Sustainable Choice; or
- Compliant with the California Collaborative for High Performance Schools (CA-CHPS) Criteria Interpretation for EQ 7.0 and EQ 7.1 dated July 2012 and listed in the CHPS High Performance Product Database.

☐ **Carpet cushion.** All carpet cushion installed in the building interior shall meet the requirements of the Carpet and Rug Institute's Green Label program. [CGBSC 5.504.4.4.1]

☐ **Carpet adhesive.** All carpet adhesive shall meet the requirements of CALGreen Table 5.504.4.1. [CGBSC 5.504.4.4.2]

Composite Wood Products N/A

☐ **Composite wood products.** Hardwood plywood, particleboard and medium density fiberboard composite wood products used on the interior or exterior of the building shall meet the requirements for formaldehyde as shown in CALGreen Table 5.504.4.5. [CGBSC 5.504.4.5]

Environmental Comfort

☑ **Acoustical control.** Employ building assemblies and components with Sound Transmission Class (STC) values determined in accordance with ASTM E90 and ASTM E413 or Outdoor-Indoor Sound Transmission Class (OITC) determined in accordance with ASTM E 1332, using either the prescriptive or performance method in CGBSC Section 5.507.4.1 or 5.507.4.2. [CGBSC 5.507.4]

Outdoor Air Quality

☑ **Ozone depletion and greenhouse gas reductions.** Installations of HVAC, refrigeration and fire suppression equipment shall comply with the following: [CGBSC 5.508.1]

- **Chlorofluorocarbons (CFCs).** Install HVAC, re-frigeration & fire suppression equipment that do not contain CFCs. [CGBSC 5.508.1.1]
- **Halons.** Install HVAC, refrigeration and fire suppression equipment that do not contain Halons. [CGBSC 5.508.1.2]
- **Supermarket refrigerant leak reduction.** New commercial refrigeration systems containing high-global-warming potential refrigerants (GWP of 150 or greater) installed in retail food stores with 8,000 square feet or more of conditioned area, and that utilize either refrigerated display cases, or walk-in coolers or freezers connected to remote compressor units or condensing units shall comply with refrigerant leak reduction measures. [CGBSC 5.508.2]

Additional:

I certify that I have read and acknowledged all of the Code Requirements noted above. I accept full responsibility for complying with all of the above requirements, as applicable to my project. I further agree that if I fail to comply with the code requirements, due to error or omission, I will correct all deficiencies prior to final inspection.

Name	Signature	Date

Check One: ☐ Contractor ☐ Owner ☑ Owner's Agent

Note: This form includes the City of Berkeley's amendments to the 2019 California Green Building Standards Code.

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SEAL

LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

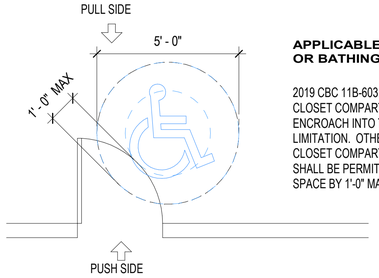
N&T JOB NUMBER 22125

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
CALGREEN

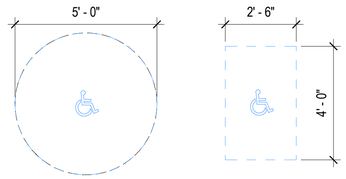
SHEET NUMBER
G2.11



APPLICABLE TO MULTI-STALLTOILET OR BATHING ROOM DOORS ONLY

2019 CBC 11B-603.2.3: DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE WITHOUT LIMITATION. OTHER THAN DOORS TO ACCESSIBLE WATER CLOSET COMPARTMENTS, A DOOR, IN ANY POSITION SHALL BE PERMITTED TO ENCROACH INTO THE TURNING SPACE BY 1'-0" MAXIMUM.

8 G3.24 DOOR SWING ENCROACHMENT (REFERENCE)
3/8" = 1'-0"



60" CIRCULAR TURNING SPACE

CLEAR FLOOR SPACE OR GROUND SPACE

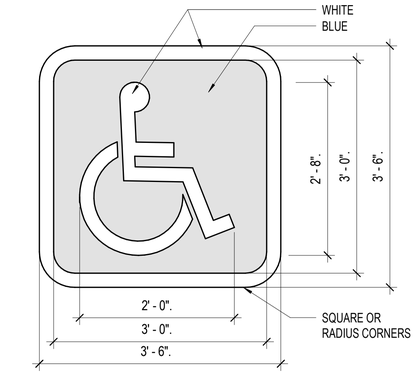
7 G3.24 ACCESSIBLE SYMBOLS (REFERENCE)
3/8" = 1'-0"

11B-703.2.6.4 EDGES AND VERTICES ON GEOMETRIC SYMBOLS. EDGES SHALL BE EASED OR ROUNDED AT 1/16 INCH (1.59 mm) MINIMUM, OR CHAMFERED AT 1/8 INCH (3.2 mm) MAXIMUM. VERTICES SHALL BE RADIUSED BETWEEN 1/8 INCH (3.2mm) MINIMUM AND 1/4 INCH (6.4mm) MAXIMUM.

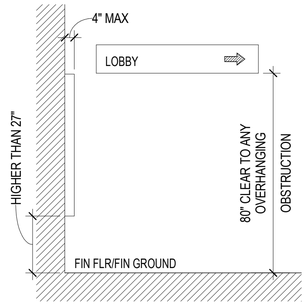
RADIUS @ VERTICES — EASED/ROUNDED — CHAMFERED

FIGURE 11B-703.2.6.4
EDGES AND VERTICES ON GEOMETRIC SYMBOLS

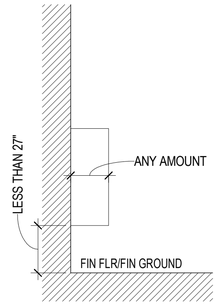
1 G3.24 ACCESSIBLE SIGN - GEOMETRIC SYMBOLS
3" = 1'-0"



4 G3.24 INTERNATIONAL SYMBOL OF ACCESSIBILITY
3/4" = 1'-0"

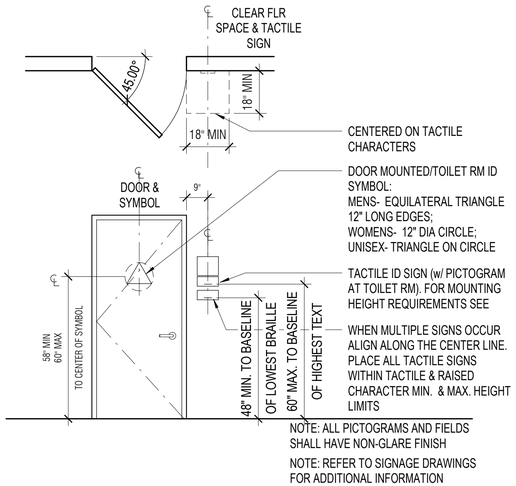


WHEN BOTTOM OF OBJECT IS HIGHER THAN 27" AND 80" OR LESS ABOVE FIN FLR OR FIN GROUND



WHEN BOTTOM OF OBJECT IS 27" OR LESS ABOVE FIN FLR OR FIN GROUND

3 G3.24 PROTRUDING OBJECTS
3/8" = 1'-0"

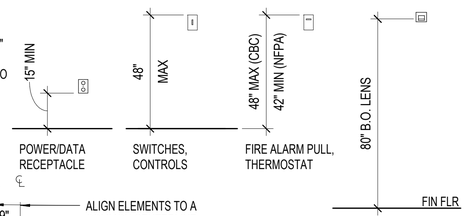


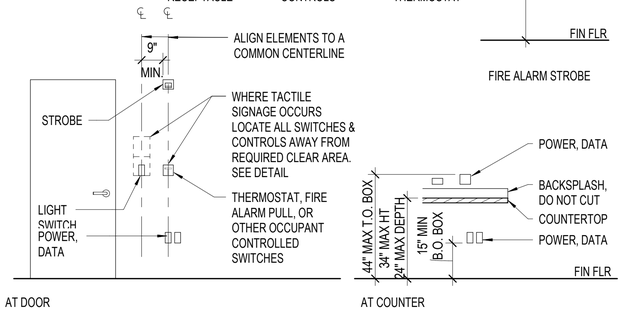
NOTE: ALL PICTOGRAMS AND FIELDS SHALL HAVE NON-GLARE FINISH

NOTE: REFER TO SIGNAGE DRAWINGS FOR ADDITIONAL INFORMATION

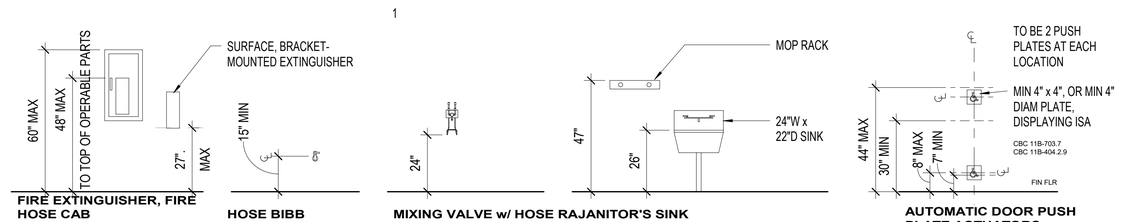
2 G3.24 SIGNAGE AT DOORS
3/8" = 1'-0"

NOTE:
1. RECEPTACLES, POWER/DATA, SWITCHES/CONTROLS/THERMOSTATS SHALL BE INSTALLED AT A RANGE OF 15" TO BOTTOM OF BOX AND 48" AFF TO TOP OF BOX.
2. FIRE STROBES ARE TO BE MOUNTED 80" MIN. AFF TO 96" MAX. AFF TO BOTTOM OF LENSE, PER NFPA 72-4-4.4
3. UNLESS OTHERWISE NOTED, MOUNT ELECTRICAL ITEMS AS INDICATED.

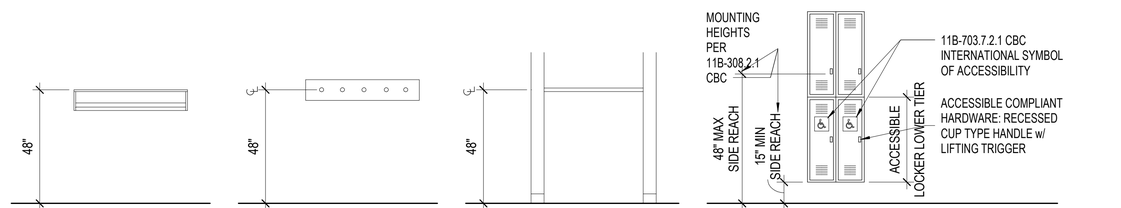




6 G3.24 ELEC MOUNTING HTS
3/8" = 1'-0"



FIRE EXTINGUISHER, FIRE HOSE CAB — **HOSE BIBB** — **MIXING VALVE w/ HOSE RAJANITOR'S SINK** — **AUTOMATIC DOOR PUSH PLATE ACTUATORS**



SHELF AND ROD — **COAT HOOKS** — **CLOSET ROD** — **LOCKERS**

NOTE: 11B-309.4 CBC
OPERATION: OPERABLE PARTS SHALL BE OPERABLE WITH ONE HAND AND SHALL NOT REQUIRE TIGHT GRASPING, PINCHING OR TWISTING OF THE WRIST. THE FORCE REQUIRED TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.

5 G3.24 TYP MOUNTING HTS (REFERENCE)
3/8" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
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SEAL

LICENSED ARCHITECT — JANET TAM — No. C-14064 — REN. 01-31-25 — STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

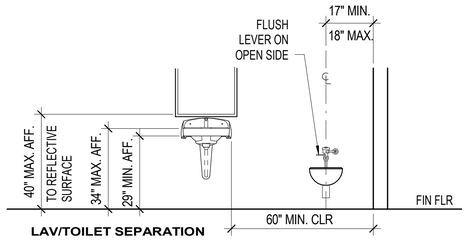
ISSUE DATE: 03.31.2025
N&T JOB NUMBER: 22125

REVISIONS

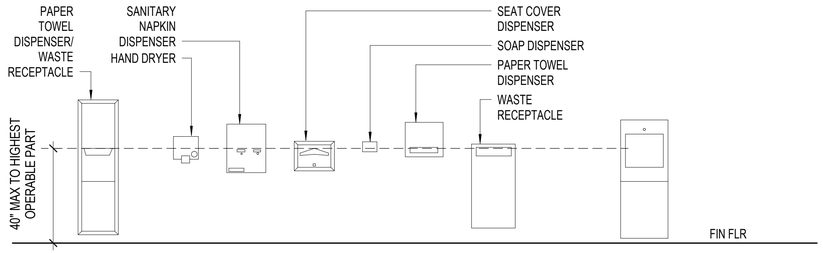
	DATE	DESCRIPTION
1	01.20.2023	Permit Resubmittal

SHEET TITLE
MOUNTING HEIGHTS / STANDARD CODE AND ACCESSIBILITY DETAILS

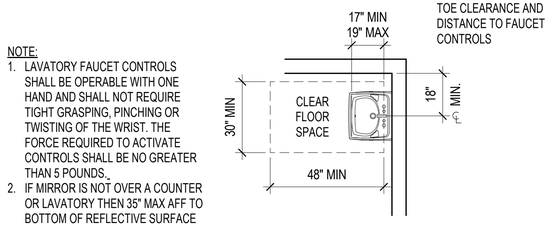
SHEET NUMBER
G3.24

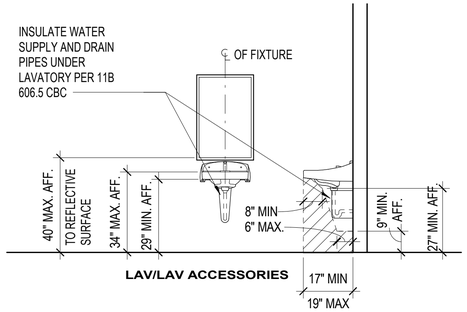


LAV/TOILET SEPARATION

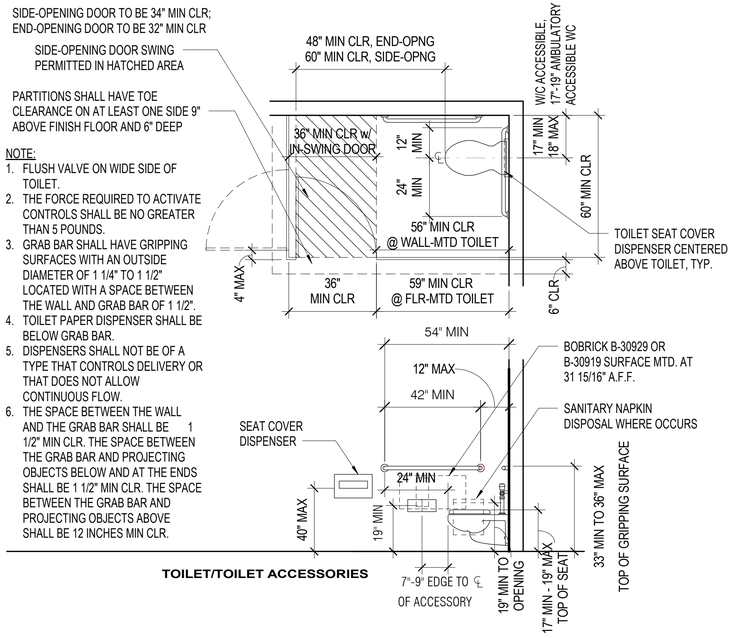


ACCESSORIES **BOTTLE FILLER**

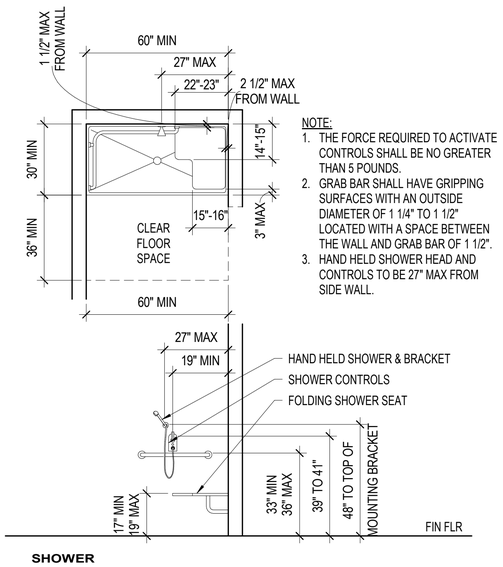




LAV/LAV ACCESSORIES



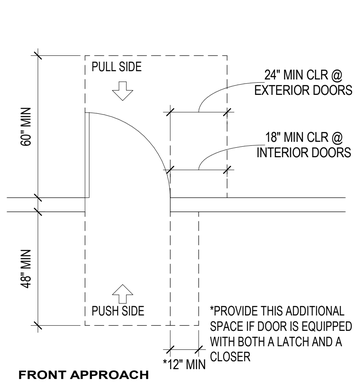
TOILET/TOILET ACCESSORIES



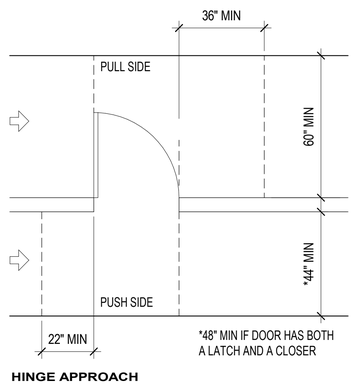
SHOWER

1 G3.25 TOILET ROOM MOUNTING HTS AND CLEARANCES

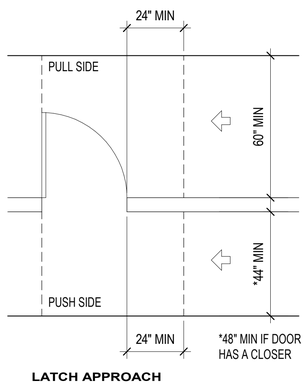
3/8" = 1'-0"



FRONT APPROACH



HINGE APPROACH



LATCH APPROACH

NOTE:
1. LEVEL IS DEFINED AS 2% IN ANY DIRECTION.
2. ALL DOORS REQUIRING FULL USER PASSAGE MUST BE 3'-0"x6'-8" MIN OR HUNG TO PROVIDE 32" MIN. CLEAR
3. SYMBOL DENOTING "CLEAR DIRECTION OF APPROACH"

2 G3.25 LEVEL MANEUVERING CLEARANCES AT DOORS (REFERENCE)

3/8" = 1'-0"

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APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

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ISSUE DATE 03.31.2025
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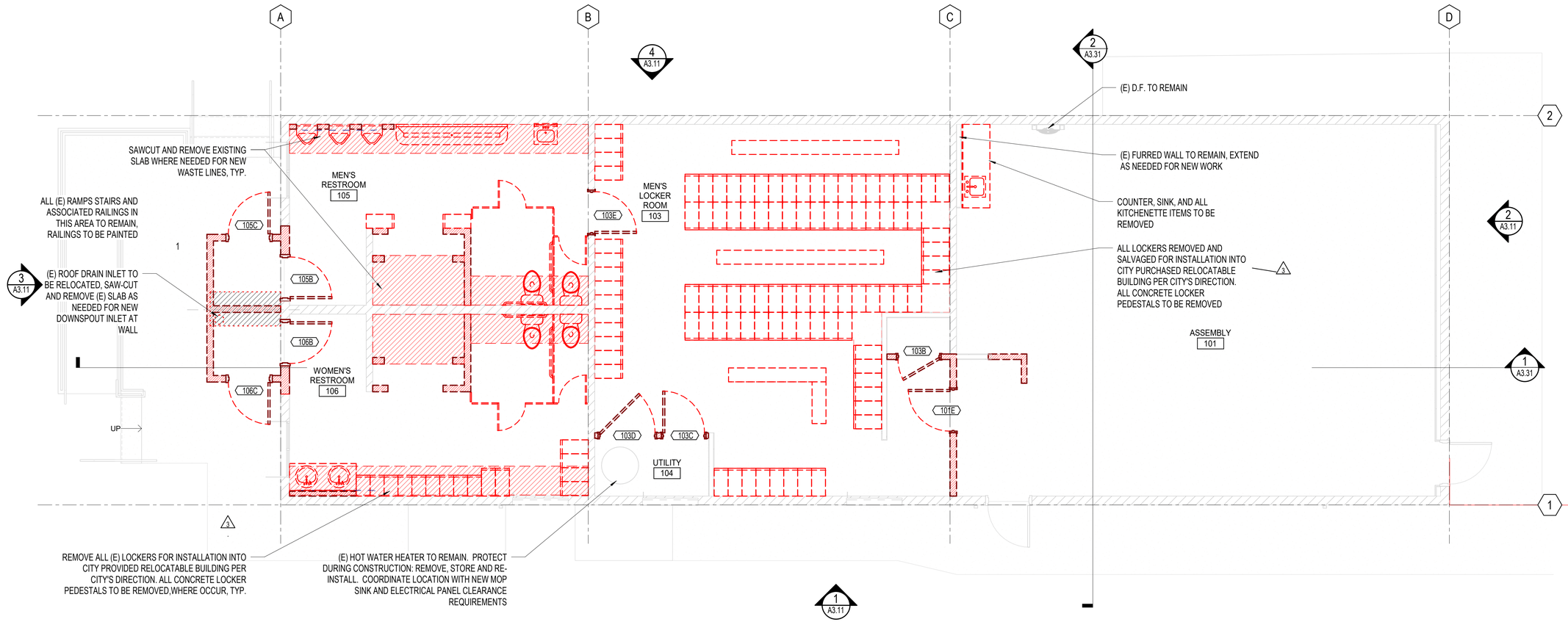
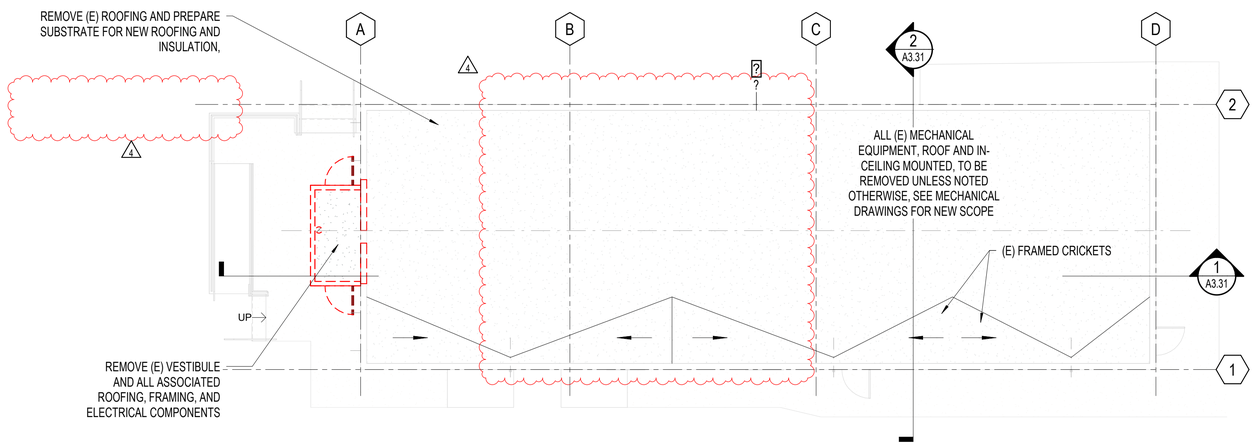
SHEET TITLE
MOUNTING HEIGHTS / STANDARD CODE AND ACCESSIBILITY DETAILS

SHEET NUMBER
G3.25



1 A1.31 01 - DEMOLITION FLOOR PLAN

1/4" = 1'-0"



2 A1.31 02 - DEMOLITION PLAN ROOF

1/8" = 1'-0"

DEMOLITION NOTES:

1. HAZARDOUS BUILDING MATERIALS: REFER TO HAZARDOUS BUILDING MATERIALS REPORT PROVIDE BY THE CITY OF BERKELEY FOR HAZARDOUS BUILDING MATERIALS AND LOCATIONS IDENTIFIED AS HAVING THOSE HAZARDOUS BUILDING MATERIALS. EXISTING BUILDING MATERIALS WHICH ARE KNOWN TO CONTAIN ASBESTOS AND LEAD INCLUDE EXISTING FLOOR AND WALL TILES AND INTERIOR AND EXTERIOR PAINT. CONTRACTOR TO SAFELY REMOVE THESE MATERIALS IN ACCORDANCE WITH ALL APPLICABLE REGULATIONS.

2. ALL CEILING FINISHES TO BE REMOVED.

3. REMOVAL OF EXISTING FLOORING TO OCCUR THROUGHOUT THE BUILDING. REMOVE FLOORING AND SCRAPE EXISTING SLAB CLEAN TO PREP FOR POLISHING OF EXISTING SLAB.

4. REMOVE EXISTING GYP BD FROM ALL EXISTING INTERIOR PARTITIONS TO REMAIN, ONLY FRAMING, BRACING, AND SHEAR PLYWOOD ARE TO REMAIN.

5. EXISTING WINDOWS AND DOORS ARE TO REMAIN UNLESS OTHERWISE NOTED.

7. CONTRACTOR TO COMPLY WITH CITY OF BERKELEY'S WASTE MANAGEMENT STANDARDS AND STATE REQUIREMENTS. IN EVENT OF CONFLICTING STANDARDS, THE CONTRACTOR IS TO COMPLY WITH THE MORE RESTRICTIVE STANDARD.

8. VERIFY ALL EXISTING CONDITIONS PRIOR TO BEGINNING WORK. BRING ANY DISCREPANCIES FROM THE DRAWINGS AND NOTES TO THE ARCHITECT IMMEDIATELY. MINOR CHANGES IN THE SCOPE OF THE DEMOLITION WORK SHALL NOT JUSTIFY ANY ADDITIONAL COST.

9. ALL SAW-CUTTING AND CHANNELING OF EXISTING BUILDING SHALL BE ACCOMPLISHED IN A NEAT AND WORKMANLIKE MANNER WITHOUT REMOVAL OF EXCESS MATERIALS. THE CONTRACTOR SHALL PATCH AND REPLACE WITH MATERIAL SIMILAR TO ADJACENT CONSTRUCTION.

10. WHERE EXISTING PIPING, ELECTRICAL INFRASTRUCTURE AND EQUIPMENT, ETC., THAT ARE TO BE UTILIZED IN THE COMPLETED PROJECT CONFLICT WITH NEW CONSTRUCTION AND THE REQUIRED DEMOLITION, THEY SHALL BE RELOCATED AND RECONNECTED TO MAINTAIN THE DESIRED SERVICE.

11. ALL WORK MUST BE COORDINATED AND SCHEDULED WITH THE OWNER AND OCCUPANTS OF THIS BUILDING SO AS TO PROVIDE THE LEAST AMOUNT OF DISRUPTION OF CORPORATION YARD ACTIVITIES AS POSSIBLE.

12. ALL EXISTING FLOORING TO BE REMOVED AND (E) CONCRETE SLAB PREPARED FOR POLISHING.

13. EXISTING HOT WATER HEATER TO BE SALVAGED, PROTECTED FROM DAMAGE, AND RE-INSTALLED. COORDINATE LOCATION WITH NEW MOP SINK AND ELECTRICAL PANEL CLEARANCES.

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SEAL

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No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
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BID SET

ISSUE DATE 03.31.2025

N&T JOB NUMBER 22125

REVISIONS

	DATE	DESCRIPTION
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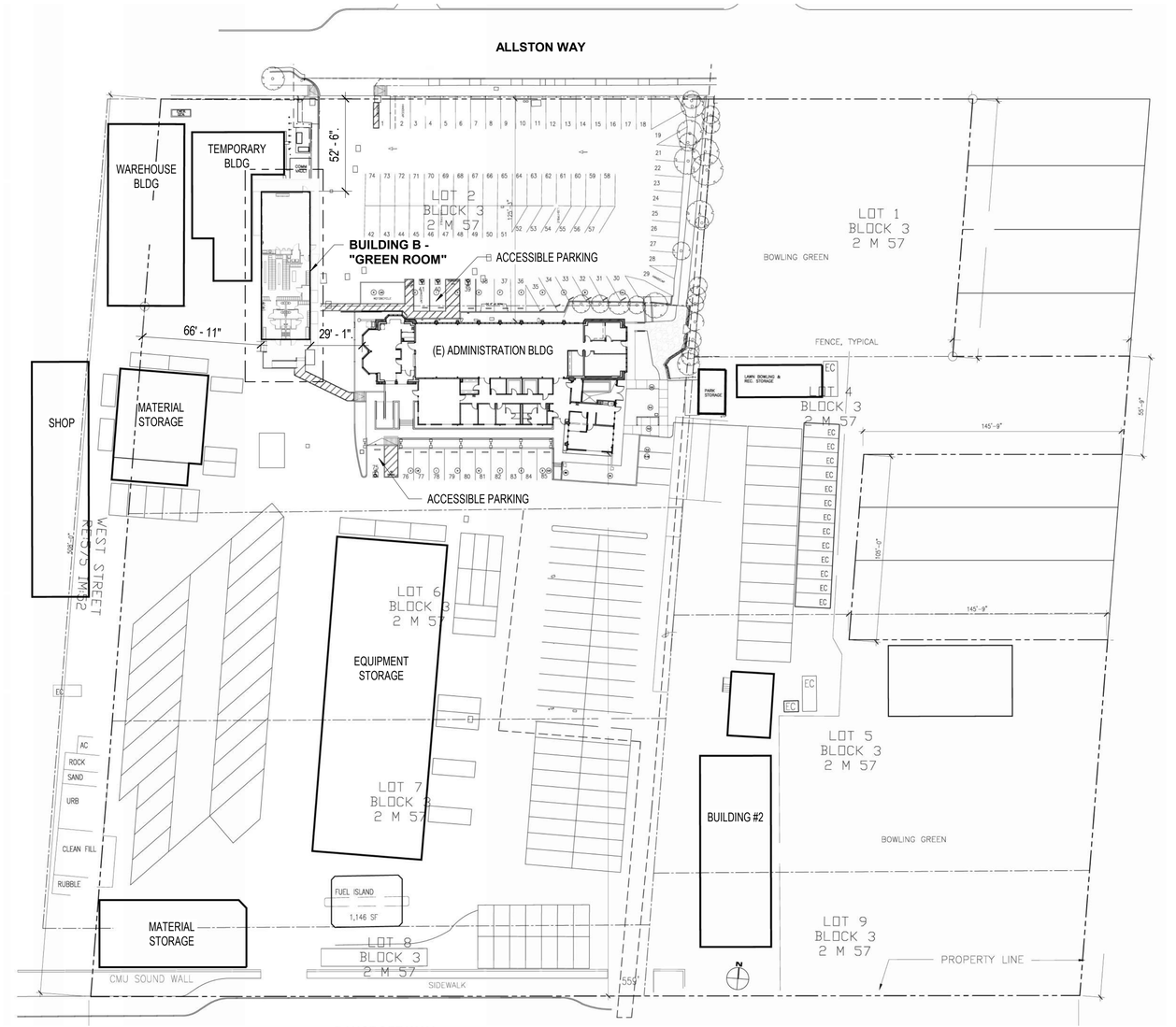
3	09.23.24	Revision 3
4	03.25.25	Revision 4

SHEET TITLE
DEMOLITION PLAN - 1ST FLOOR

SHEET NUMBER
A1.31



1 A2.01 **Site Plan - Corporation Yard**
1" = 40'-0"

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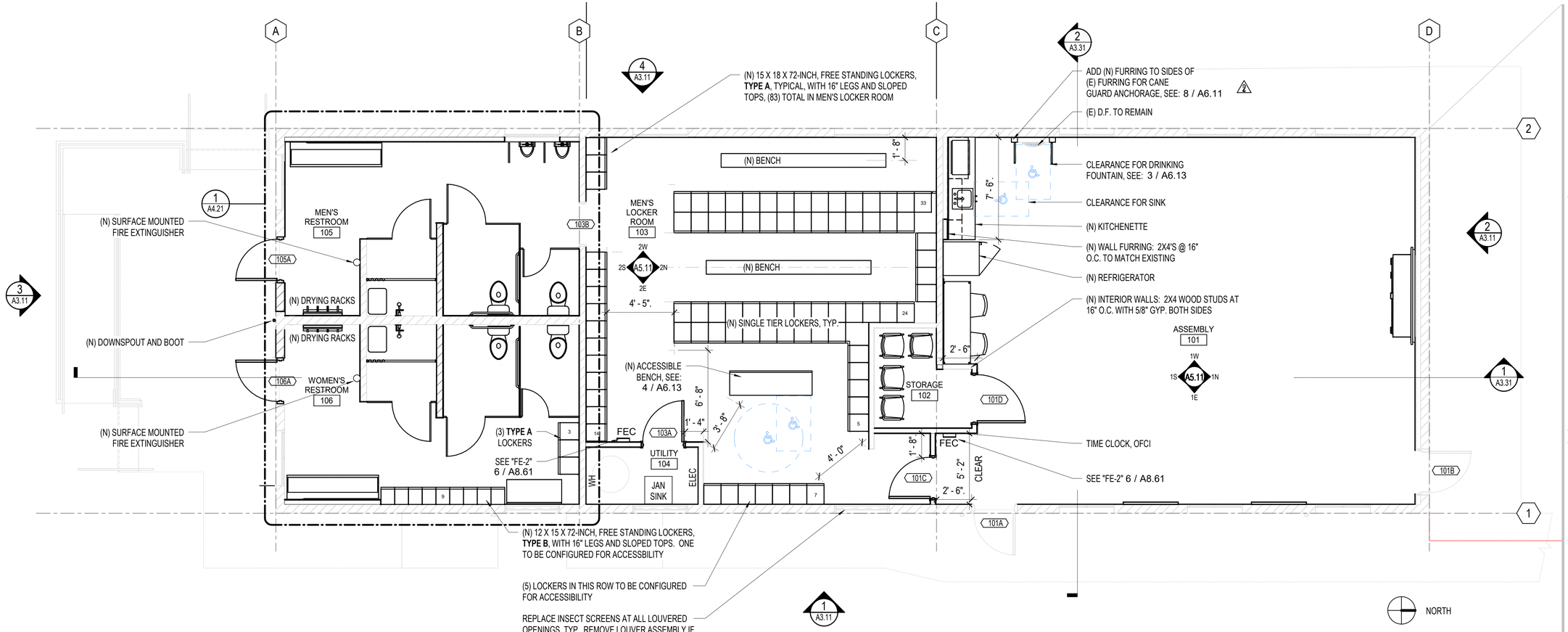
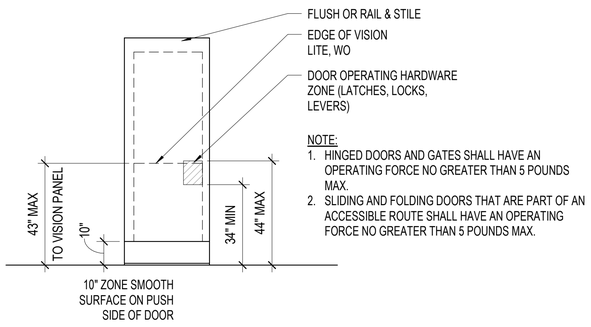
	DATE	DESCRIPTION

SHEET TITLE
SITE PLAN

SHEET NUMBER
A2.01

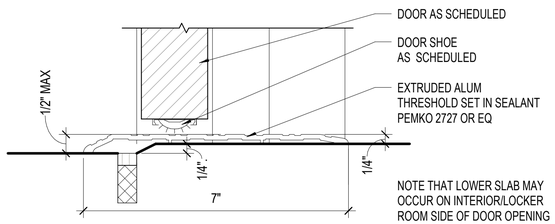


1 FLOOR PLAN
A2.31 — 1/4" = 1'-0"



NOTE:
1. HINGED DOORS AND GATES SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.
2. SLIDING AND FOLDING DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.

2 DOOR HARDWARE (REFERENCE)
A2.31 — 3/8" = 1'-0"



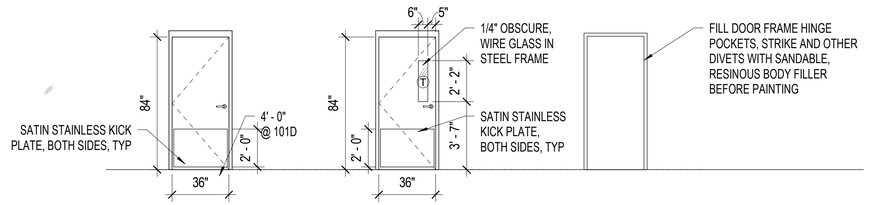
3 EXTERIOR THRESHOLD/CONCRETE
A2.31 — 6" = 1'-0"

DOOR SCHEDULE

Door Number	Type	Hardware	Door Width	Door Height	Door Thickness	Door Material	Door Finish	Frame Material	Frame Finish	Details Head Detail	Details Jamb Detail	Details Sill Detail	Comments
101A		4	3' - 0"	6' - 8"	0' - 1 3/4"								EXISTING DOOR, FRAME AND PANIC HARDWARE TO REMAIN
101B		4	3' - 0"	6' - 8"	0' - 1 3/4"								EXISTING DOOR, FRAME AND PANIC HARDWARE TO REMAIN
101C	A	2	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD PANEL	PAINTED	STEEL	PAINTED	6/A6.11	6/A6.11		
101D	A	3	3' - 6"	6' - 8"	0' - 1 3/4"	WOOD PANEL	PAINTED	STEEL	PAINTED	6/A6.11	6/A6.11		STOREROOM HARDWARE
103A	A	3	3' - 0"	6' - 8"	0' - 1 3/4"	WOOD PANEL	PAINTED	STEEL	PAINTED	6/A6.11	6/A6.11		STOREROOM HARDWARE
103B	C	5	3' - 0"	6' - 8"	0' - 1 3/4"			STEEL	PAINTED				EXISTING DOOR REMOVED, FRAME REMAINS
105A	B	1	3' - 0"	6' - 8"	0' - 1 3/4"	STEEL PANEL	PAINTED	STEEL	PAINTED	7/A6.11	7/A6.11	3/A2.31	
106A	B	1	3' - 0"	6' - 8"	0' - 1 3/4"	STEEL PANEL	PAINTED	STEEL	PAINTED	7/A6.11	7/A6.11	3/A2.31	

SHEET NOTES

1. MAXIMUM/MINIMUM MOUNTING HEIGHT OF DOOR HARDWARE TO BE 34"-44" AFF
2. PROVIDE SMOOTH SURFACE A BOTTOM 10" OF FACE OF DOOR AT JAMB MOUNTED SWINGING DOORS AND GATES
3. HINGED DOORS AND GATES SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.
4. SLIDING AND FOLDING DOORS THAT ARE PART OF AN ACCESSIBLE ROUTE SHALL HAVE AN OPERATING FORCE NO GREATER THAN 5 POUNDS MAX.
5. FOR HARDWARE MOUNTING REQUIREMENTS SEE DETAIL 2/A2.31



DOOR TYPES

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SEAL
LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE
City of Berkeley
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1326 ALLSTON WAY
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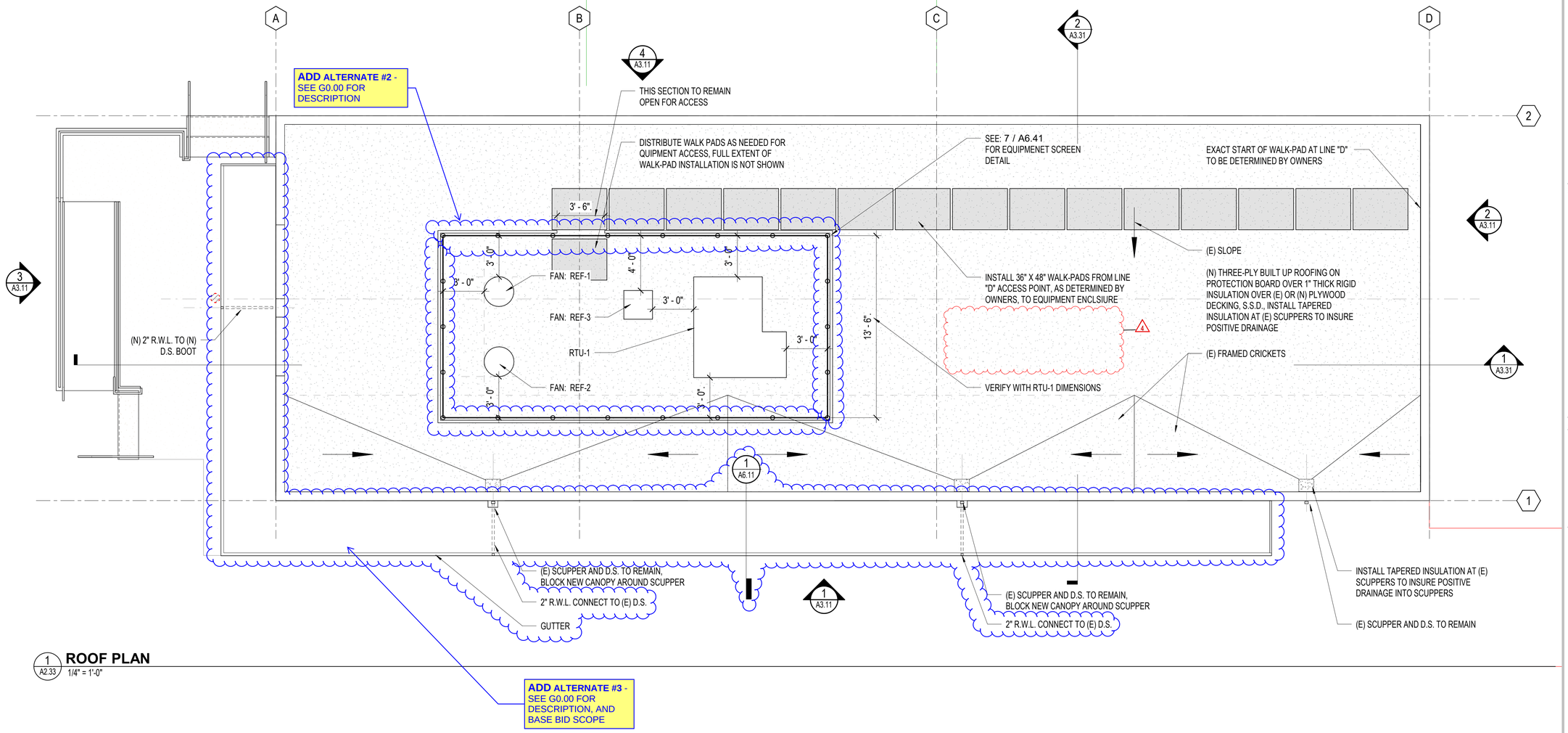
REVISIONS

	DATE	DESCRIPTION
1	01.20.2023	Permit Resubmittal
2	03.02.23	Revision 2

SHEET TITLE
FLOOR PLAN - 1ST FLOOR

SHEET NUMBER
A2.31



1 A2.33 **ROOF PLAN**
1/4" = 1'-0"

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APPROVALS

PROJECT TITLE

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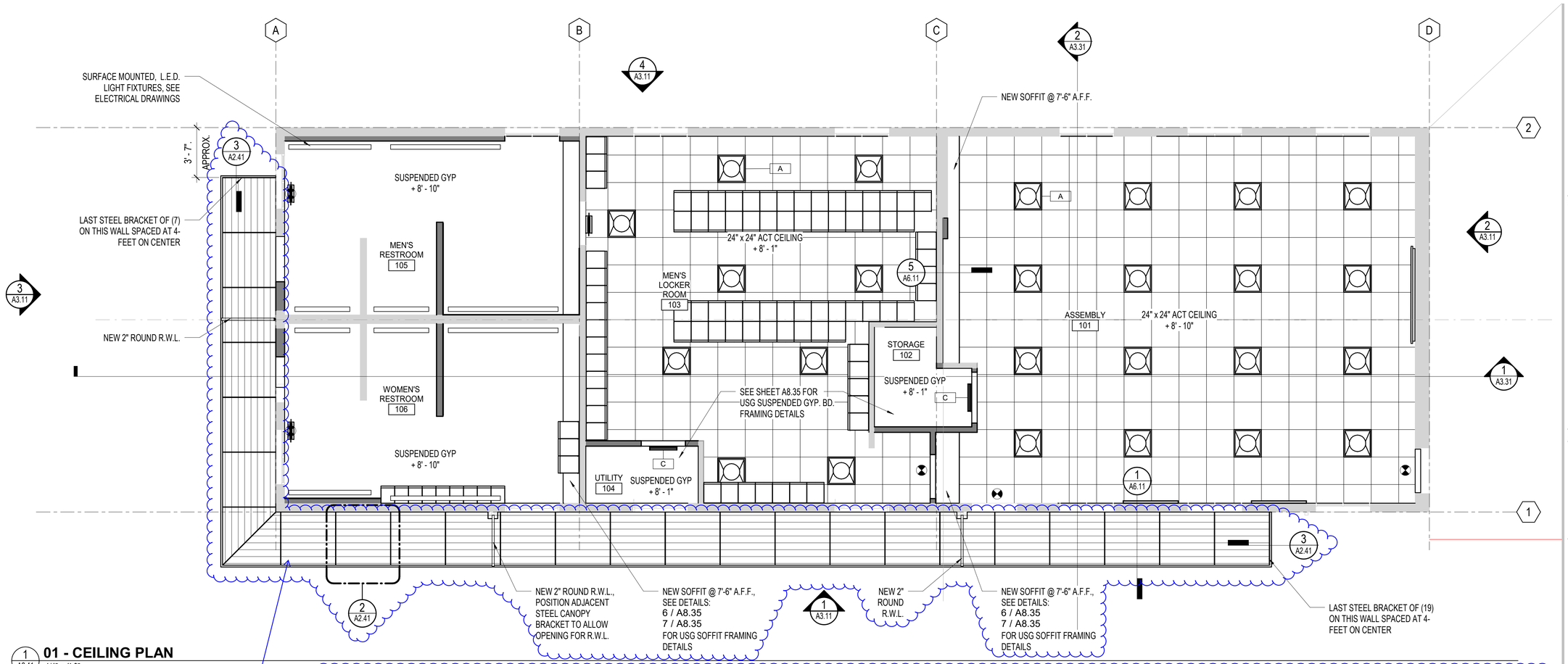
⚠	DATE	DESCRIPTION
1	01.20.2023	Permit Resubmittal
4	03.25.25	Revision 4

SHEET TITLE
ROOF / PENTHOUSE PLAN

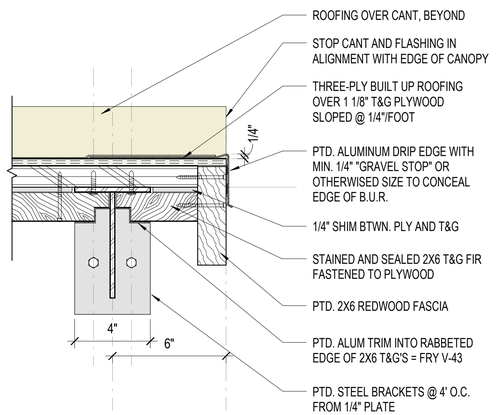
SHEET NUMBER
A2.33



1 A2.41 01 - CEILING PLAN

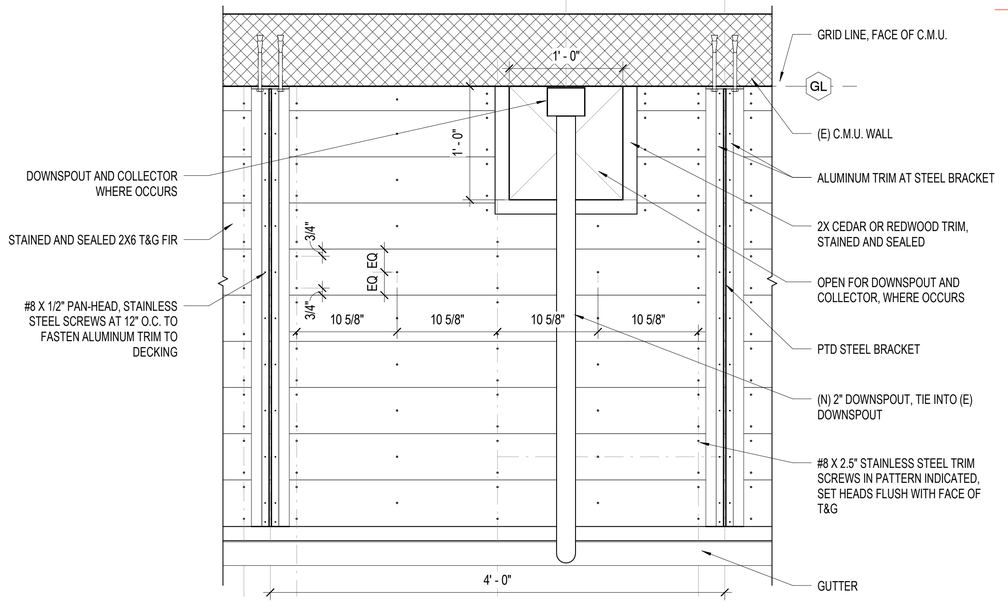
1/4" = 1'-0"

ADD ALTERNATE #3 - SEE G0.00 FOR DESCRIPTION



3 A2.41 RAKE CONDITION AT CANOPY

3" = 1'-0"



2 A2.41 ENLARGED CANOPY R.C.P.

1 1/2" = 1'-0"

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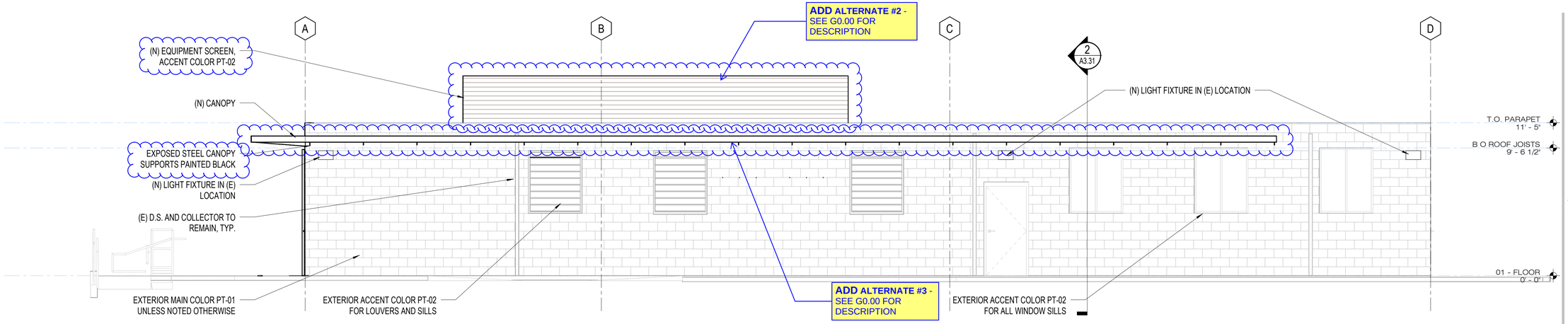
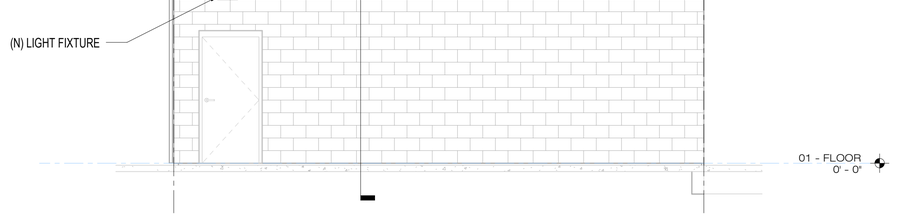
SHEET TITLE
REFLECTED CEILING PLAN - 1ST FLOOR

SHEET NUMBER
A2.41



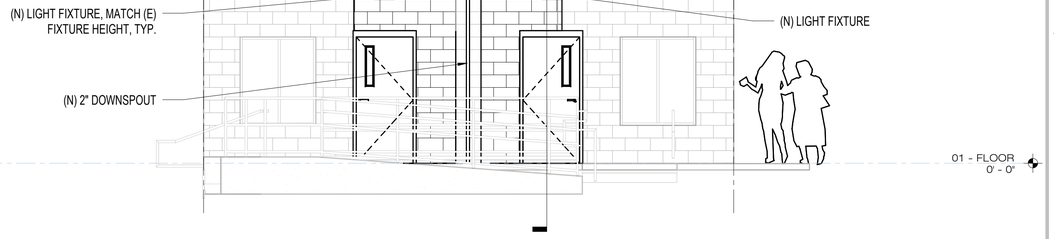
1 A3.11 EAST ELEVATION

1/4" = 1'-0"



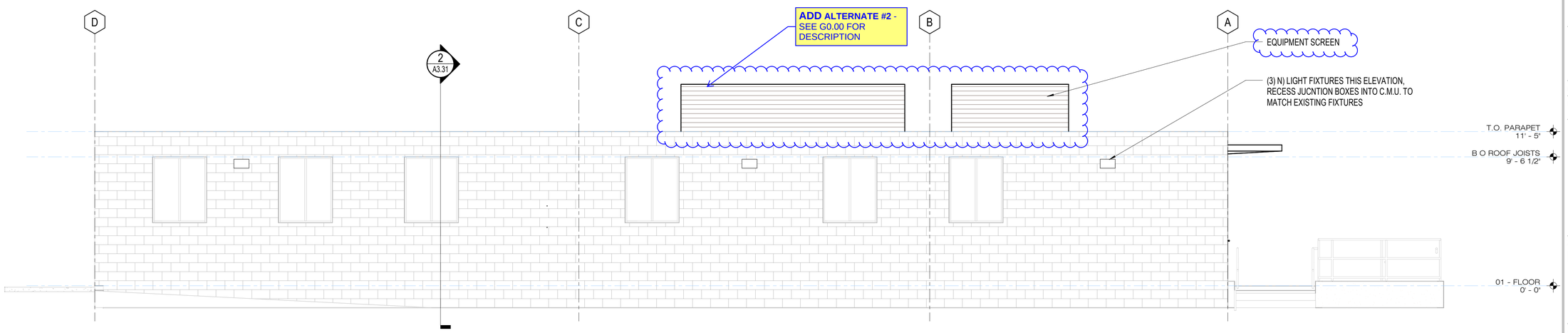
2 A3.11 NORTH ELEVATION

1/4" = 1'-0"



3 A3.11 SOUTH ELEVATION

1/4" = 1'-0"



4 A3.11 WEST ELEVATION

1/4" = 1'-0"

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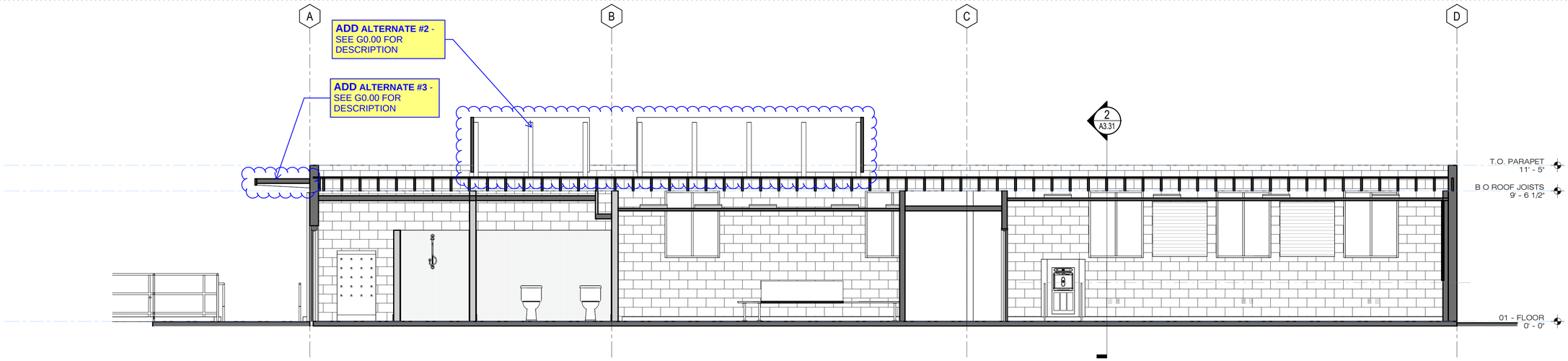
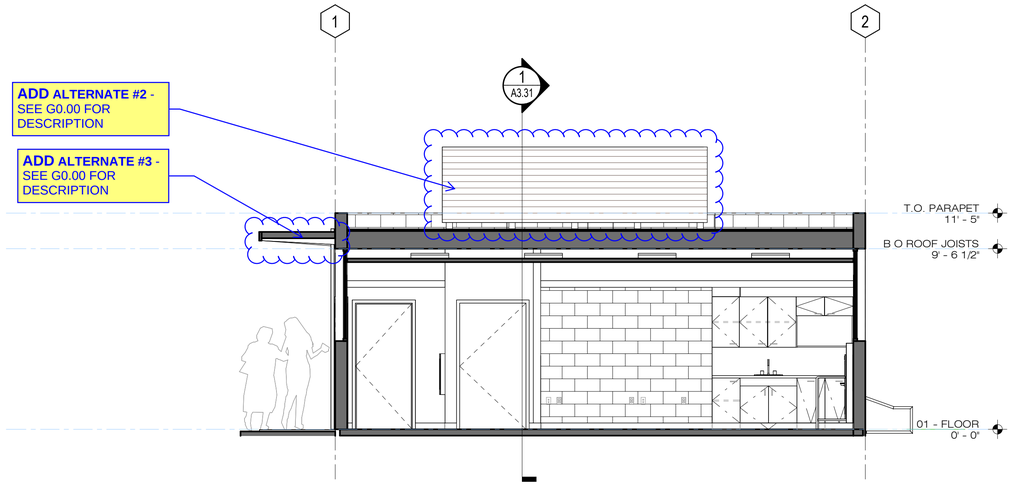
SHEET TITLE
EXTERIOR ELEVATIONS

SHEET NUMBER
A3.11



1 A3.31 **LONGITUDINAL BUILDING SECTION**
1/4" = 1'-0"



2 A3.31 **BUILDING SECTION - SHORT DIRECTION**
1/4" = 1'-0"

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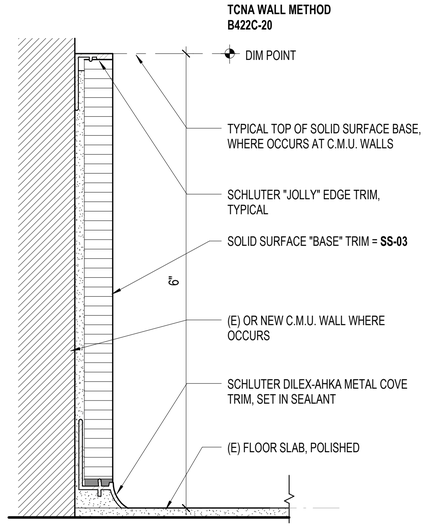
SHEET NUMBER
A3.31



3 A4.21 RESTROOM TYP. COVE BASE TRIM @ C.M.U.

12" = 1'-0"

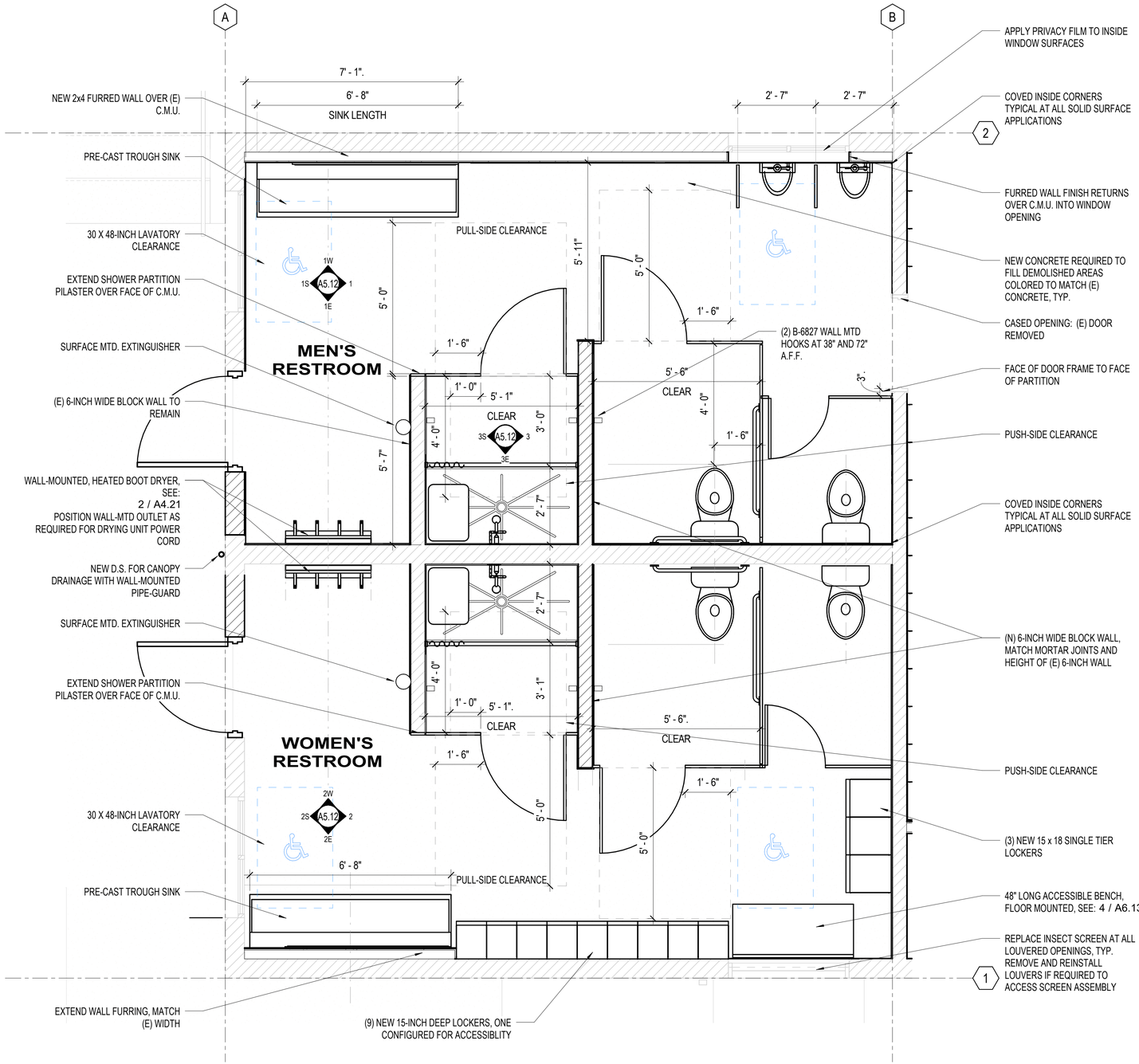
WALL MOUNTED BOOT DRYER

14 Pair Cyclone "V2" Boot Dryer
Size = 62" H x 34" W x 20" D
Air Flow: 350 cfm
Watts: 1980
With programmable timer
Amps: 16.5
Voltage AC: 110 60 hz

SEA Products
345 Lester Road, Springfield, PA 19064
Phone: 610 761 7340
Email: scottallen@erols.com

2 A4.21 BOOT DRYER SPECIFICATION

1 1/2" = 1'-0"



1 A4.21 ENLARGED RESTROOM FLOOR PLAN

1/2" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

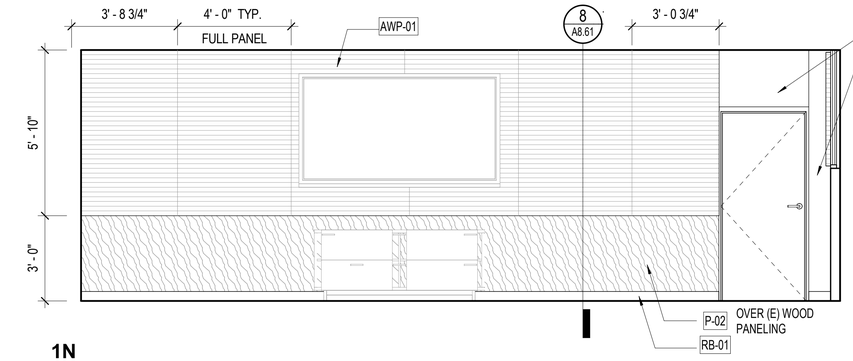
ISSUE DATE 03.31.2025
N&T JOB NUMBER 22125

REVISIONS

	DATE	DESCRIPTION
1	01.20.2023	Permit Resubmittal

SHEET TITLE
ENLARGED PLAN - RESTROOMS

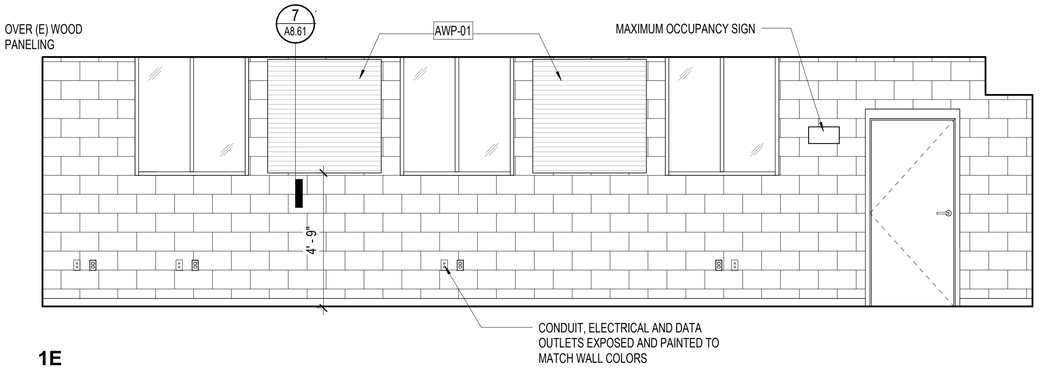
SHEET NUMBER
A4.21



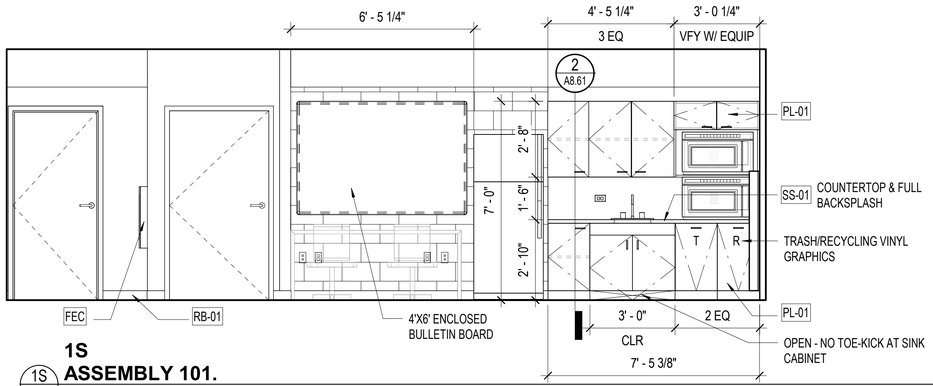
1N

1N ASSEMBLY 101

1N / A5.11 — 3/8" = 1'-0"



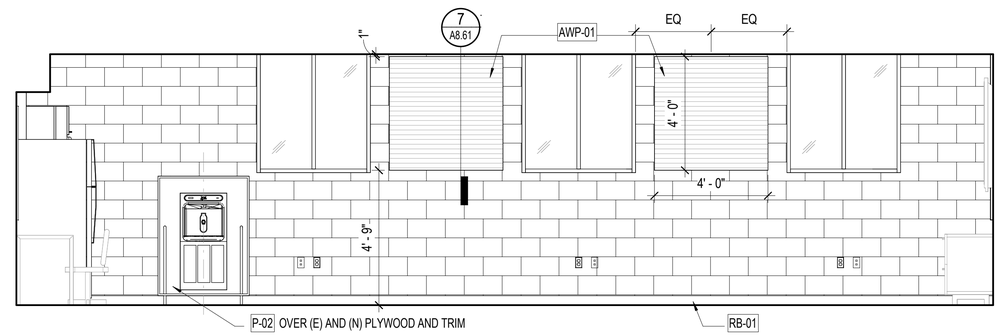
1E



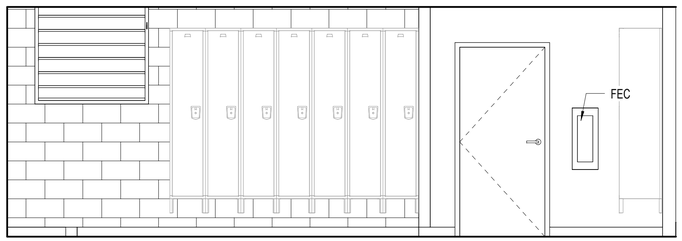
1S

1S ASSEMBLY 101.

1S / A5.11 — 3/8" = 1'-0"



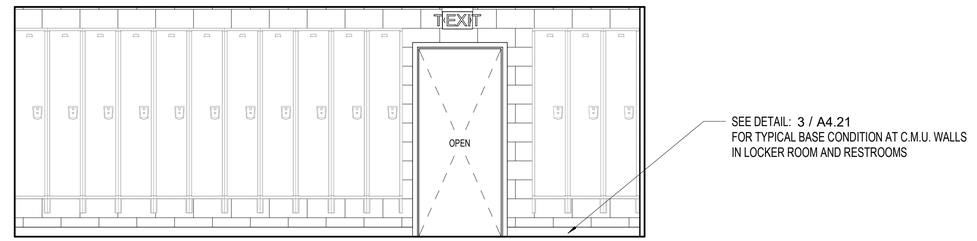
1W



2E

2E MEN'S LOCKER ROOM 103 - EAST

2E / A5.11 — 3/8" = 1'-0"



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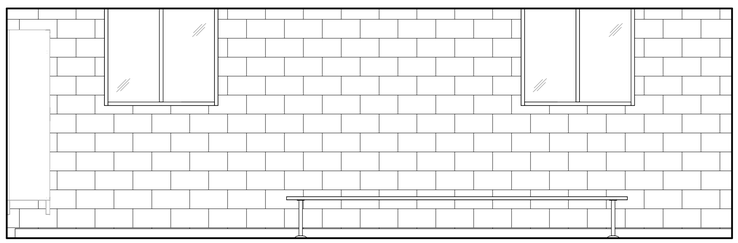
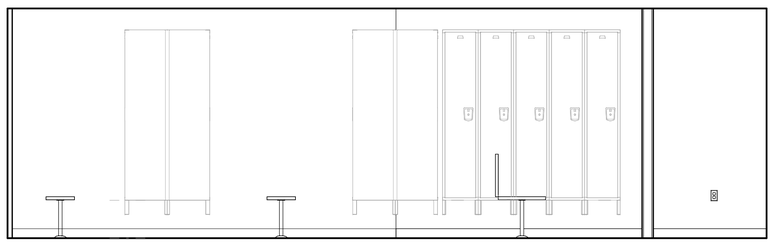


2W

2W MEN'S LOCKER ROOM 103 - WEST

2W / A5.11 — 3/8" = 1'-0"



2N

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT — JANET TAM — No. C-14064 — REN. 01-31-25 — STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

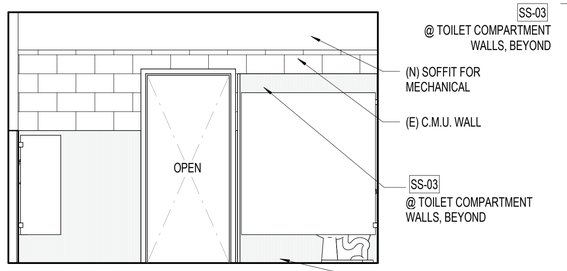
N&T JOB NUMBER 22125

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
INTERIOR ELEVATIONS

SHEET NUMBER
A5.11



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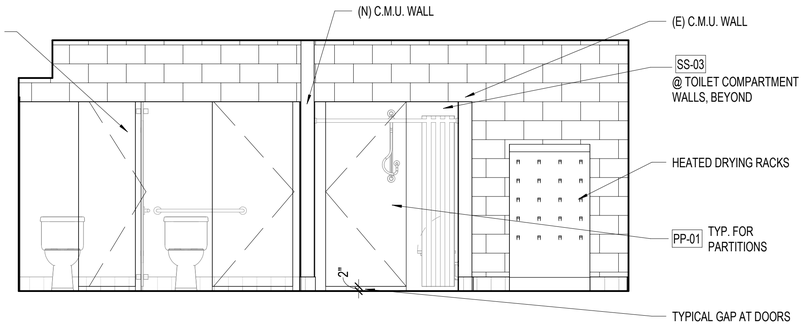
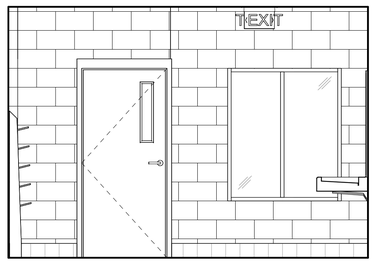


1E

1 MEN'S RR 105

1 / A5.12 — 3/8" = 1'-0"



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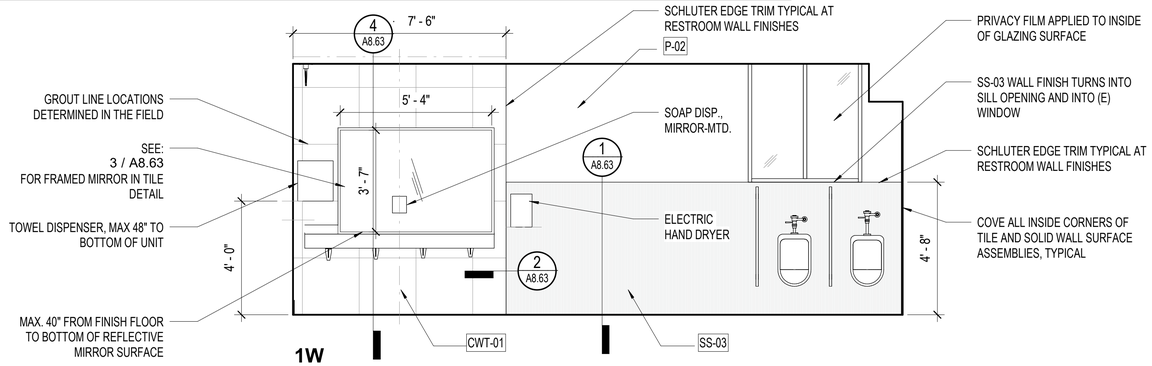
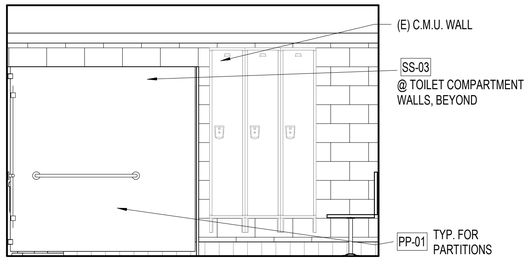


1W

1S MEN'S RR 105 - SOUTH

1S / A5.12 — 3/8" = 1'-0"



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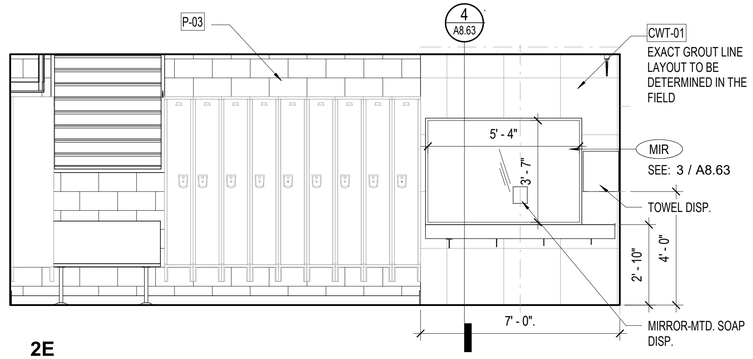

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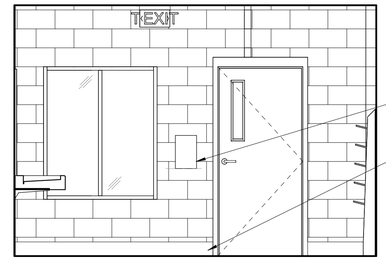
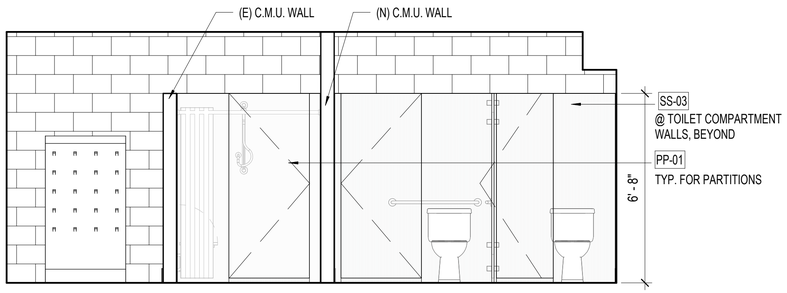


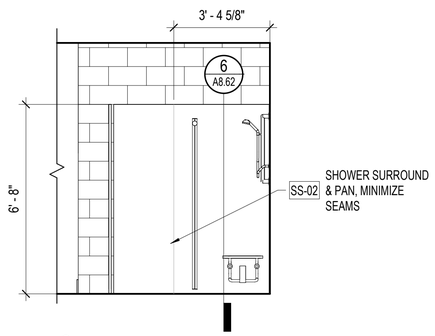
2S

2 WOMEN'S RR 106

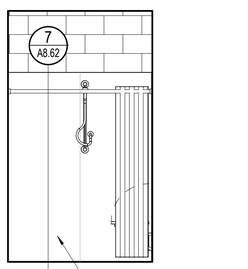
2 / A5.12 — 3/8" = 1'-0"



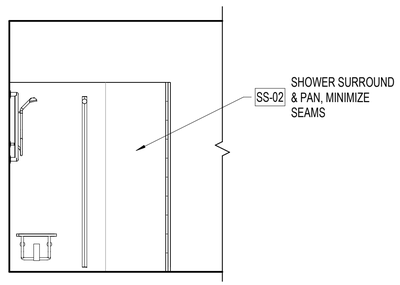
2W



3



3E



3S

3 TYPICAL SHOWER

3 / A5.12 — 3/8" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT — JANET TAM — No. C-14064 — REN. 01-31-25 — STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

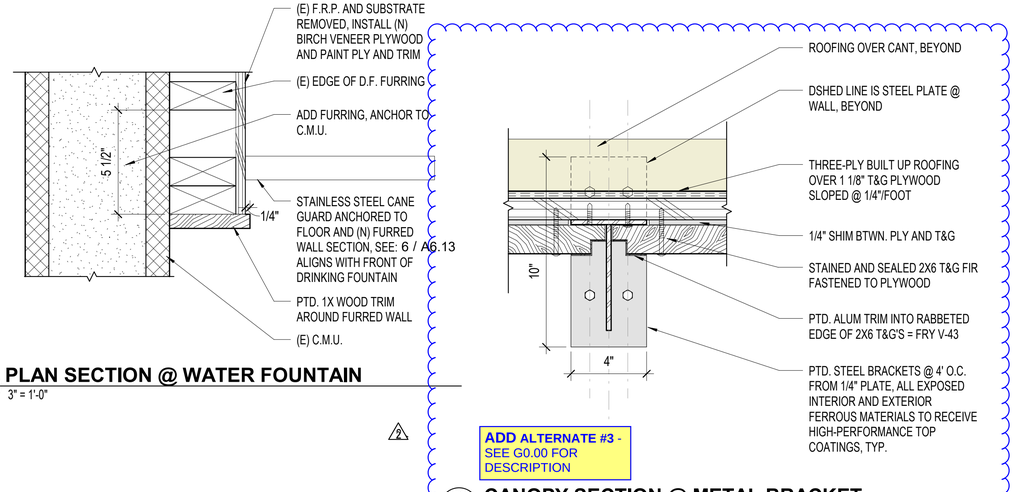
ISSUE DATE: 03.31.2025
N&T JOB NUMBER: 22125

REVISIONS

	DATE	DESCRIPTION

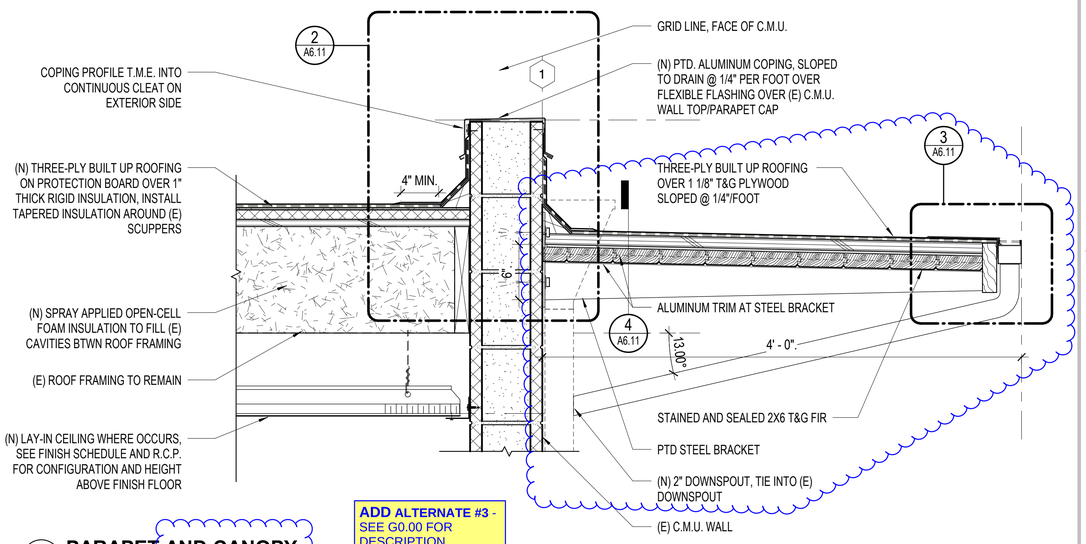
SHEET TITLE
INTERIOR ELEVATIONS - RESTROOMS

SHEET NUMBER
A5.12

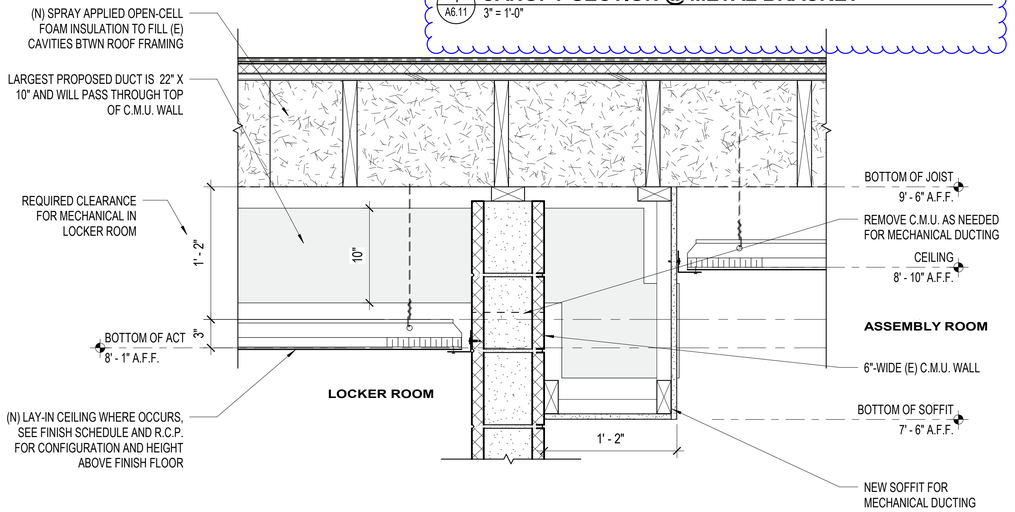


8 A6.11 **PLAN SECTION @ WATER FOUNTAIN**
3" = 1'-0"

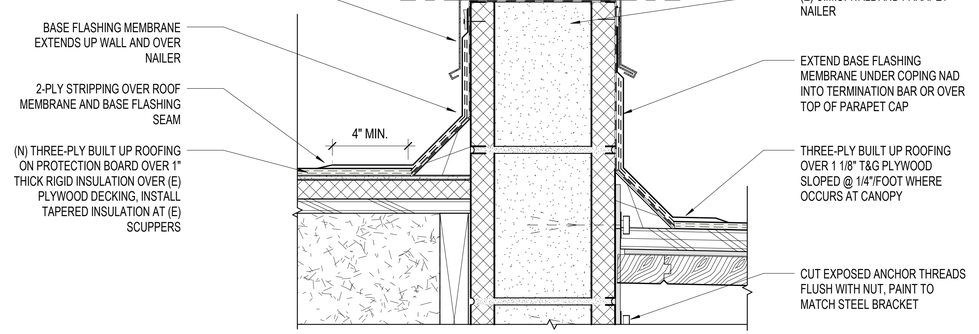
4 A6.11 **CANOPY SECTION @ METAL BRACKET**
3" = 1'-0"



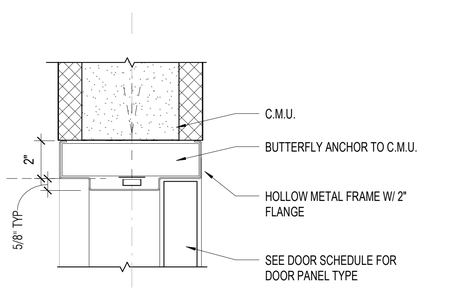
1 A6.11 **PARAPET AND CANOPY**
1 1/2" = 1'-0"



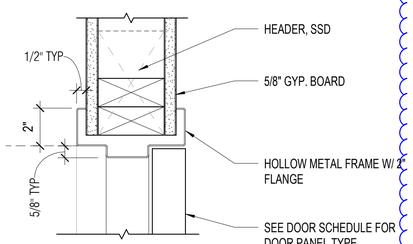
5 A6.11 **DUCT PENETRATION AT C.M.U. WALL**
1 1/2" = 1'-0"



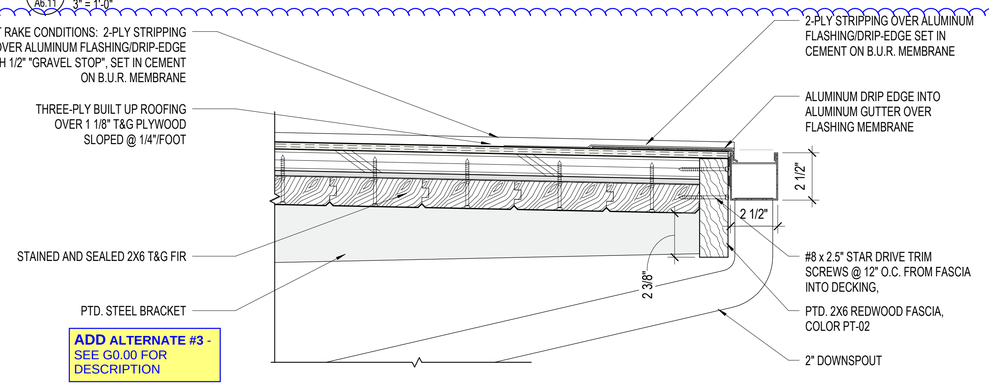
2 A6.11 **PARAPET DETAIL**
3" = 1'-0"



7 A6.11 **HOLLOW MTL DOOR JAMB - HEAD SIM - C.M.U.**
3" = 1'-0"



6 A6.11 **HOLLOW MTL DOOR JAMB - HEAD SIM**
3" = 1'-0"



3 A6.11 **CANOPY NOSING**
3" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

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No. C-14064
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STATE OF CALIFORNIA

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City of Berkeley
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1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE **03.31.2025**
N&T JOB NUMBER **22125**

REVISIONS

	DATE	DESCRIPTION
1	01.20.2023	Permit Resubmittal
2	03.02.23	Revision 2

SHEET TITLE
DETAILS

SHEET NUMBER
A6.11

Larsen's® Fire Extinguishers — MP,DC & HT Series
Submittal and Detail Sheet

PROJECT:_____ LOCATION:_____

MODEL NUMBER:_____ QUANTITY:_____

ARCHITECT:_____ CONTRACTOR:_____

DATE:_____ DISTRIBUTOR:_____

MP SERIES-Multi-Purpose Dry Chemical
These units contain specially fluidized and siliconized mono ammonium phosphate powder which smothers and breaks the chain reaction on Class B fires, fuses and insulates Class A fires, and, as a non-conductor of electricity, is effective on Class C fires.

DC SERIES-Regular Dry Chemical
These units contain specially siliconized sodium bicarbonate powder with free flowing and non-caking additives, suitable for fires in flammable liquids, and energized electrical equipment.

All multi-purpose and regular dry chemical units feature: Heavy DOT steel cylinders * Rugged metal valves and siphon tubes * Replaceable molded valve stem seals * Pull pin-upright squeeze grip operation * Approved to -65 degrees F. * Non-toxic * Pressure gauges*

HT SERIES-Halotron I
Halotron I is an EPA approved clean agent which discharges as a rapidly evaporating liquid, leaving no residue. It effectively extinguishes Class A, B and C fires and is intended for use in areas formerly protected by Halon 1211.

MP2½ DC2½ HT2½ MP5 MP5-A DC5 HT5* MP6 DC6 MP10 DC10 HT11 HT15½ MP20 DC20

***Note:** HTS is equipped with nozzle in lieu of hose and horn.

MODEL NUMBER	NOMINAL CAPACITY	SHIPPING WEIGHT	CYLINDER DIAMETER	OVERALL HEIGHT	OVERALL WIDTH	UL RATING	STANDARD BRACKET*	OPTIONAL BRACKET**
MP2½	2½ lbs.	5½ lbs.	3 in.	15½ in.	5½ in.	1A-10B:C	817	860
MP5	5 lbs.	9½ lbs.	4¼ in.	15½ in.	7½ in.	2A-10B:C	16591	B-2, 818, 821, 862
MP5-A	5 lbs.	9¼ lbs.	4¼ in.	15½ in.	7¼ in.	3A40B:C	16591	818, 821, 862
MP6	6 lbs.	12¾ lbs.	5 in.	16 in.	7½ in.	3A-40B:C	5525	808, 862
MP10	10 lbs.	18 lbs.	5 in.	20in.	7½ in.	4A-80B:C	546	B-2, 846, 862
MP20	20 lbs.	38 lbs.	7 in.	23¼ in.	10¼ in.	10A-120B:C	577	864
DC2½	2½ lbs.	5½ lbs.	3 in.	15½ in.	5-3/4 in.	10B:C	817	860
DC5	5½ lbs.	9½ lbs.	4¼ in.	15½ in.	7¼ in.	40B:C	16591	B-2, 818, 821, 862
DC6	6 lbs.	13 lbs.	5 in.	16¼ in.	8½ in.	40B:C	546	808, 862
DC10	10 lbs.	18 lbs.	5 in.	20 in.	7-3/4 in.	60B:C	546	B-2, 846, 862
DC20	20 lbs.	38 lbs.	7 in.	23¼ in.	10¼ in.	120B:C	577	864
HT2½	2½ lbs.	5¼ lbs.	3 in.	15½ in.	5½ in.	2B:C	817	860
HT5	5 lbs.	9½ lbs.	4¼ in.	15½ in.	5-3/4 in.	5B:C	818	860
HT11	11 lbs.	22½ lbs.	6 in.	21 in.	9½ in.	1A-10B:C	575	N/A
HT15½	15½ lbs.	27½ lbs.	6 in.	21 in.	9½ in.	2A-10B:C	575	N/A

STANDARD BRACKETS*

817 1007 1521 5525 546, 575, 577 16591

OPTIONAL BRACKETS*

818 821 808 846 B2 862/864/860

***NOTE:** Standard brackets are included with all extinguishers at no additional cost. If specified, optional brackets are only available at additional cost. All of the above brackets are designed to accommodate Larsen's extinguishers. While most comparably sized extinguishers usually will function with the above brackets, Larsen's cannot assume responsibility for variations in cylinder dimensions among various extinguisher suppliers.*

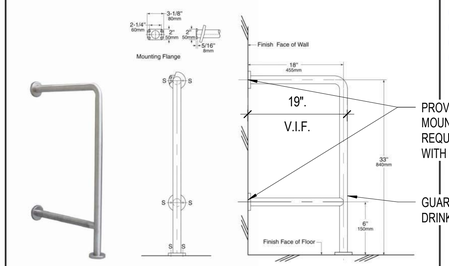
LARSEN'S MANUFACTURING COMPANY
7421 Commerce Lane N.E., Mpls, MN 55432
Phone: (763) 571-1181 FAX: (763) 571-6900
www.larsensmfg.com

FLORIDA DIVISION:
3130 N.W. 17th Street, Ft. Lauderdale, FL 33311
Phone: (954) 486-3325 FAX: (954) 486-3352

5 FIRE EXTINGUISHER SPECIFICATION
A6.13 1 1/2" = 1'-0"

BOBRICK Technical Data

1½" (38mm) DIAMETER STAINLESS STEEL DRINKING FOUNTAIN GRAB BAR — **819298**



PROVIDE FURRING BEHIND MOUNTING BRACKETS IF REQUIRED TO FLUSH GUARD WITH FRONT OF EXISTING D.F.

GUARD FLUSH WITH FACE OF DRINKING FOUNTAIN

MATERIALS:
Grab Bar — 18-8 S, type-304, 18-gauge (1.2mm) stainless steel tubing with satin finish. 1-1/2" (38mm) outside diameter. Ends are heliarc welded to flanges.
Concealed Mounting Flanges — 18-8 S, type-304, 1/8" (3mm) thick, stainless steel plate; end flanges 2" x 3-1/8" (50 x 80mm) with two holes for attachment to wall and to floor.
Snap Flange Covers — 18-8 S, type-304, 22-gauge (0.8mm) drawn stainless steel with satin finish. 3-1/4" (85mm) diameter x 1/2" (13mm) deep. Each cover snaps over mounting flange to conceal mounting screws.

STRENGTH:
Grab bar can support loads in excess of 250 pounds (113kg) if properly installed, complying with barrier-free accessibility guidelines (including ADAAG in the U.S.A.) for structural strength.

Warning: Grab bars are no stronger than the anchors or walls to which they are attached and therefore, must be firmly secured in order to support the loads for which they are intended.

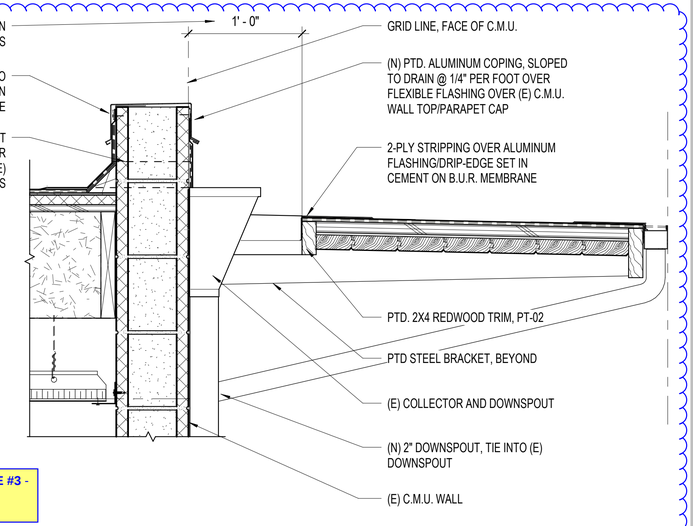
continued . . .

6 DRINKING FOUNTAIN CANE GUARD
A6.13 1 1/2" = 1'-0"

12" SQUARE BLOCKOUT IN CANOPY AT (E) DOWNSPOUTS

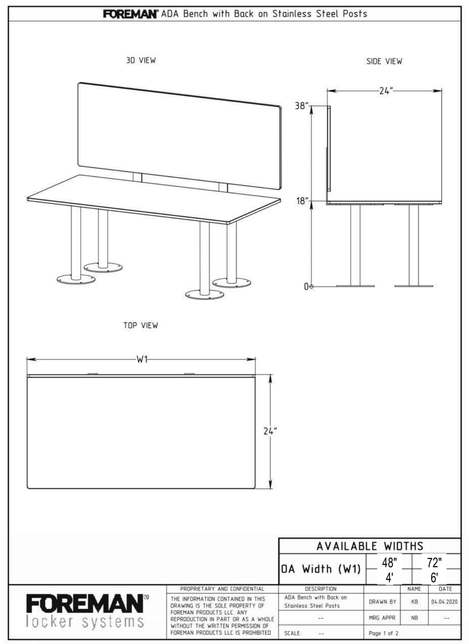
COPING PROFILE T.M.E. INTO CONTINUOUS CLEAT ON EXTERIOR SIDE

(N) THROUGH-PARAPET PENETRATION AND FLASHING PER SMACNA FIGURE 1-26 AT (E) COLLECTORS AND DOWNSPOUTS



ADD ALTERNATE #3 - SEE G0.00 FOR DESCRIPTION

1 CANOPY BLOCKOUT @ (E) DOWNSPOUT
A6.13 1 1/2" = 1'-0"

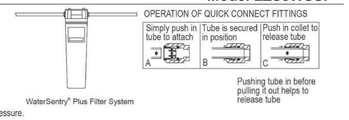


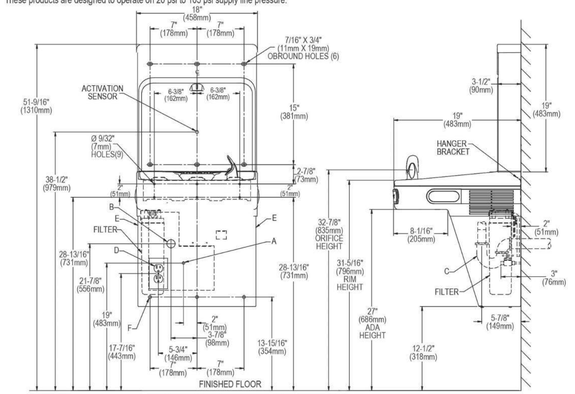
4 ADA BENCH SPECIFICATION
A6.13 1 1/2" = 1'-0"

ELKAY SPECIFICATIONS

Elkay Enhanced ezH2O Bottle Filling Station & Single ADA Cooler
Filtered Refrigerated Stainless
Model LZS8WSSP

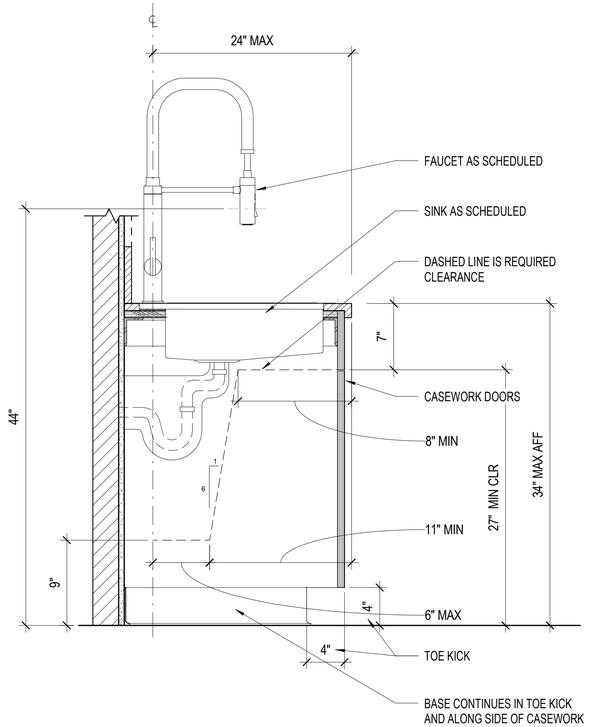
IMPORTANT!
INSTALLER PLEASE NOTE:
The grounding of electrical equipment such as telephone, computers, etc., to water lines is a common procedure. This grounding may be in the building or may occur away from the building. This grounding can cause electrical feedback into a water cooler, creating an electrolysis which causes a metallic taste or causes an increase in the metal content of the water. This condition is avoidable by using the proper materials as indicated below. The drain fittings which are provided by the installer should also be plastic to electrically isolate the cooler from the building plumbing system.
These products are designed to operate on 20 psi to 105 psi supply line pressure.





LEGEND: REDUCE HEIGHT BY 3 INCHES FOR INSTALLATION OF CHILDRENS ADA COOLER
A = Recommended Water Supply location. Shut-off Valve (not furnished) to accept 3/8" O.D. unplated copper tube. Up to 3" (76mm) maximum out from wall.
B = Recommended Waste Outlet location. To accommodate 1-1/4" nominal drain. Drain stub 2" (51mm) out from wall.
C = 1-1/4" Trap (not furnished).
D = Electrical Supply (3) Wire Recessed Box Duplex Outlet.
E = Insure proper ventilation by maintaining 6" (152mm) minimum clearance from cabinet louvers to wall.
F = 7/16" (11mm) Bolt Holes for fastening to wall.
Note : New Installations Must Use Ground Fault Circuit Interrupter (GFCI). It is highly recommended that the circuit be dedicated and the load protection be sized for 20 amps.

3 EXISTING BOTTLE FILLING STATION SPEC
A6.13 1 1/2" = 1'-0"



2 KITCHENETTE SINK CABINET DETAIL
A6.13 1 1/2" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
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fax 510.542.2201

SEAL

LICENSED ARCHITECT JANET TAM No. C-14064 REN. 01-31-25 STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE **03.31.2025**

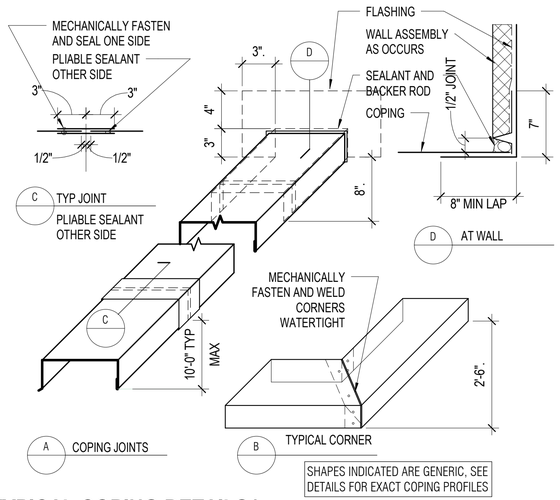
N&T JOB NUMBER **22125**

REVISIONS

	DATE	DESCRIPTION
1	01.20.2023	Permit Resubmittal
2	03.02.23	Revision 2

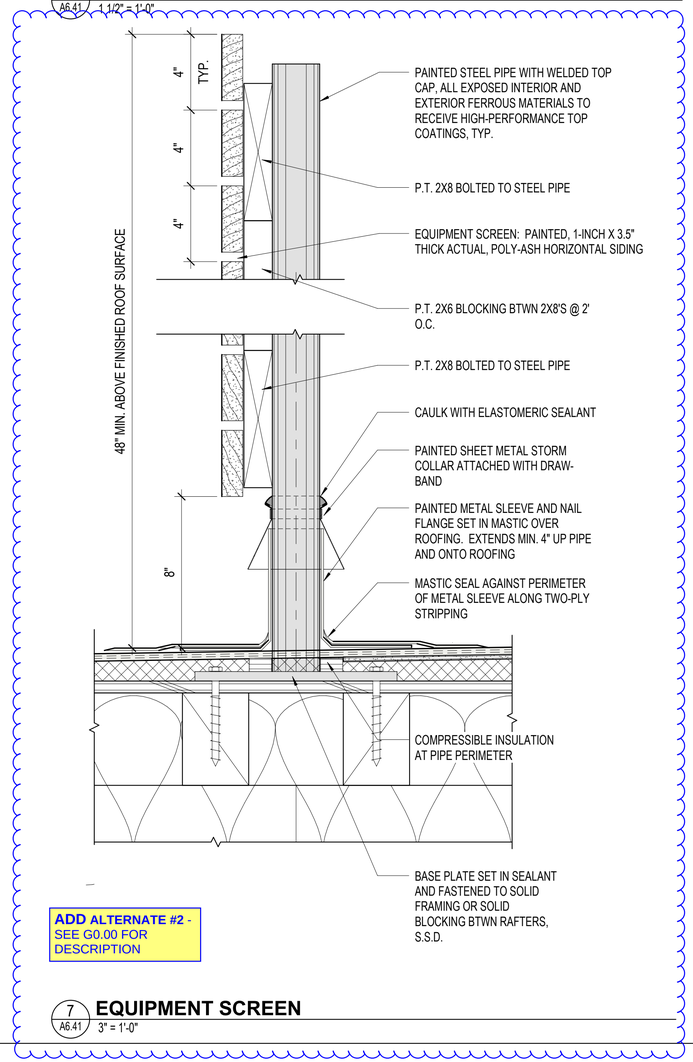
SHEET TITLE
DETAILS

SHEET NUMBER
A6.13



6 TYPICAL COPING DETAILS1

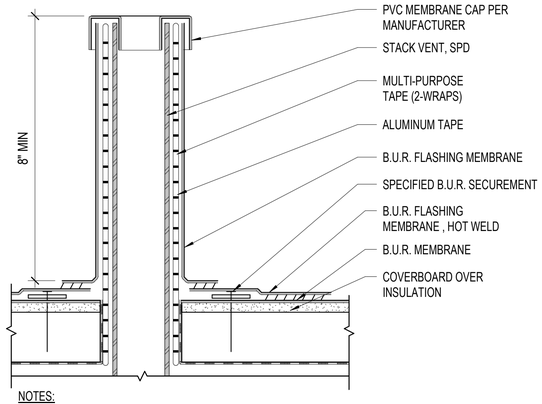
A6.41 1 1/2" = 1'-0"



ADD ALTERNATE #2 - SEE G0.00 FOR DESCRIPTION

7 EQUIPMENT SCREEN

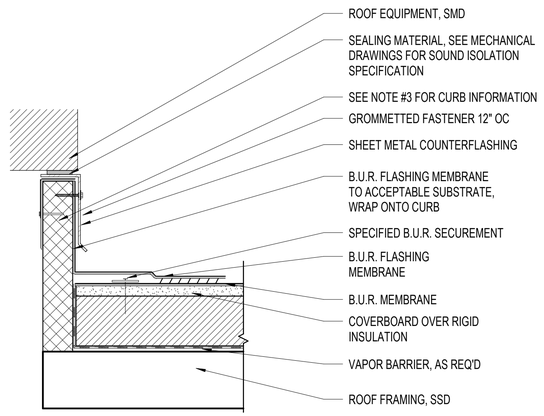
A6.41 3" = 1'-0"



NOTES:
1. VAPOR BARRIER SHALL BE SEALED AT EDGES.

4 TYPICAL - VENT STACK FLASHING

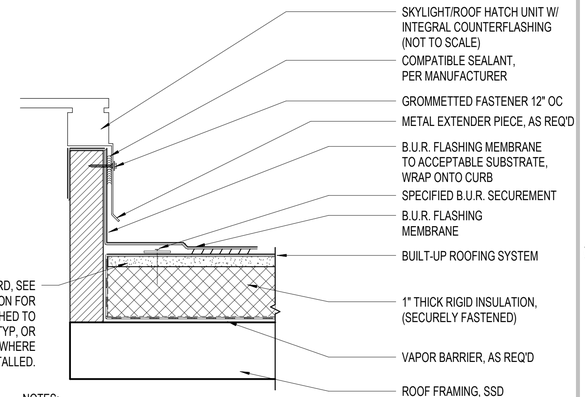
A6.41 3" = 1'-0"



NOTES:
1. METAL EXTENDER PIECE IS REQUIRED IF EXISTING COUNTERFLASHING IS CONTAMINATED AND OR COUNTERFLASHING FASCIA IS LESS THAN 4 INCHES WIDE. FASTENED 12 INCHES OC WITH GROMMETTED FASTENER.
2. VAPOR BARRIER SHALL BE SEALED AT EDGES.
3. PREFABRICATED ROOF CURB TO BE MANUFACTURED OF PRIME GALVANIZED STEEL CONSTRUCTION, 16 -GAUGE MIN., MEETING ASTM A653/653M, WITH WELDED CORNERS AND WITH SEAMS JOINED BY CONTINUOUS WATER AND AIR-TIGHT WELDS. ROOF CURB SHALL BE INTERNALLY REINFORCED WITH ANGLES 48" ON CENTER AND FACTORY INSTALLED WOOD NAILER. INTERNALLY INSULATED WITH 1 1/2" THICK 3 LBS. DENSITY RIGID INSULATION. HEIGHTS TO BE 8" ABOVE FINISHED ROOF DECK MINIMUM. TOP OF ALL ROOF CURBS SHALL BE LEVEL, WITH PITCH BUILT INTO CURB WHEN DECK SLOPES.

5 CURB FLASHING for MECHANICAL

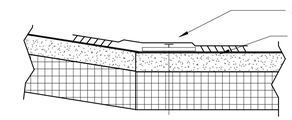
A6.41 3" = 1'-0"



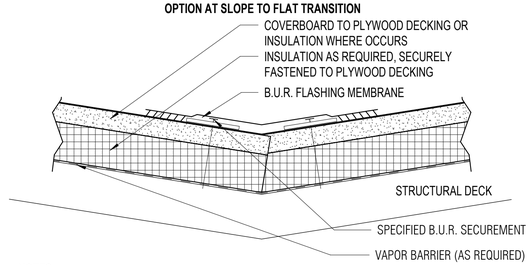
NOTES:
1. METAL EXTENDER PIECE IS REQUIRED IF EXISTING COUNTERFLASHING IS CONTAMINATED AND OR COUNTERFLASHING FASCIA IS LESS THAN 4 INCHES WIDE. FASTENED 12 INCHES OC WITH GROMMETTED FASTENER.
2. VAPOR BARRIER SHALL BE SEALED AT EDGES.

1 SKYLIGHT / ROOF HATCH FLASHING

A6.41 3" = 1'-0"



OPTION AT SLOPE TO FLAT TRANSITION

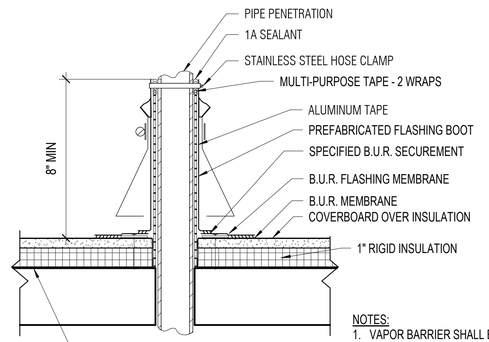


NOTES:

1. WOOD NAILER TO MATCH HEIGHT OF INSULATION MAY BE REQUIRED AT PEAK IF INSULATION IS REQUIRED AND THICKNESS EXCEEDS 2 INCHES.

2 SLOPE TRANSITION1

A6.41 6" = 1'-0"



NOTES:
1. VAPOR BARRIER SHALL BE SEALED AT EDGES.

3 PIPE/TUBE PENETRATION FLASHING

A6.41 3" = 1'-0"

NOLL & TAM ARCHITECTS
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SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

City of Berkeley

ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

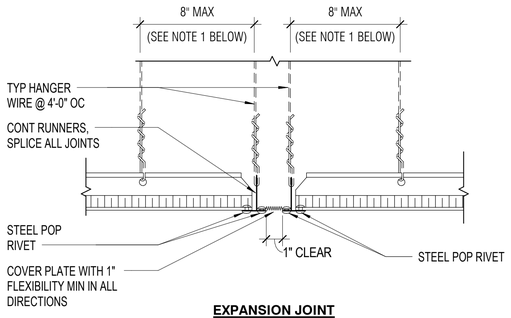
ISSUE DATE 03.31.2025
N&T JOB # 22125

REVISIONS

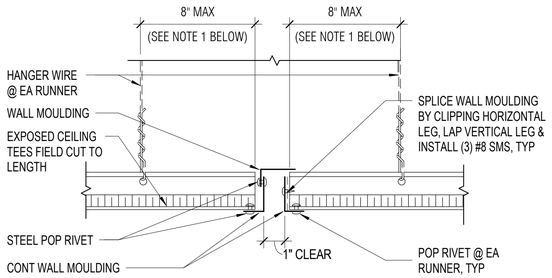
#	DATE	DESCRIPTION

SHEET TITLE
EXTERIOR - ROOF ASSEMBLIES AND DETAILS

SHEET NUMBER
A6.41



EXPANSION JOINT

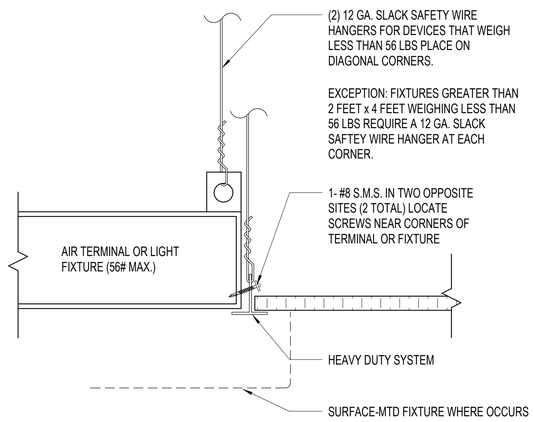


EXPANSION JOINT ALTERNATE

NOTES:
1. PROVIDE #12 GAGE HANGER WIRES AT THE ENDS OF ALL MAIN AND CROSS RUNNERS WITHIN 8" OF THE SUPPORT OR WITHIN ONE-FOURTH (1/4) OF THE LENGTH OF THE END TEE, WHICHEVER IS LESS, FOR THE PERIMETER OF THE CEILING AREA. PERIMETER WIRES ARE NOT REQUIRED WHEN THE LENGTH OF THE END TEE IS 8" OR LESS.
2. PROVIDE EXPANSION JOINTS AT THE INTERSECTION OF CORRIDORS AND AT JUNCTIONS OF CORRIDORS AND LOBBIES OR OTHER SIMILAR AREAS.
3. PROVIDE SEISMIC SEPARATION JOINT AT CONTINUOUS CEILING AREAS EXCEEDING 2,500 SQ FT. SEE CEILING PLANS FOR LOCATION.

SUSPENDED CEILING EXPANSION JOINT @ INTERSECTIONS

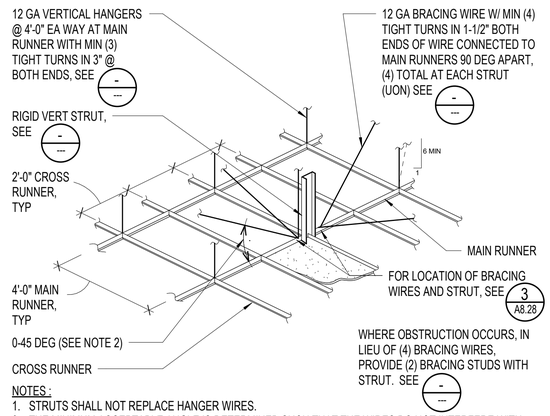
7 / A8.28 NTS



NOTES:
1. ALL FLUSH OR RECESSED LIGHT FIXTURE WEIGHING 56 LBS OR MORE AND MECHANICAL TERMINALS AND SERVICES, WEIGHING 20 LBS OR MORE, MUST BE INDEPENDENTLY SUPPORTED BY NOT LESS THAN (4) TAUT #12 GA WIRES, EACH ATTACHED TO FIXTURE AND THE STRUCTURE ABOVE. THE 4 TAUT #12 GA WIRES, INCLUDING THEIR ATTACHMENT TO THE STRUCTURE ABOVE, MUST BE CAPABLE OF SUPPORTING 4 TIMES THE WIEGHT OF THE UNIT.

SUSPENDED ACOUSTICAL CEILING - LIGHT FIXTURES/AIR TERMINAL SUPPORT

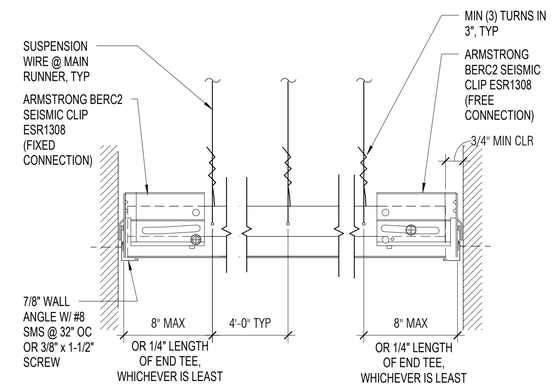
8 / A8.28 N.T.S.



NOTES :
1. STRUTS SHALL NOT REPLACE HANGER WIRES.
2. THE MINIMUM ACCEPTABLE ANGLE IS DETERMINED SUCH THAT THE WIRES DO NOT INTERFERE WITH THE RUNNERS, LIGHT FIXTURES, ETC AND REMAIN STRAIGHT AND UNOBSTRUCTED
3. FOR 2'X'2 GRID, ADD ADDITIONAL RUNNERS EVERY 2'

SUSPENDED CEILING- SUSPENSION & BRACING ASSEMBLY

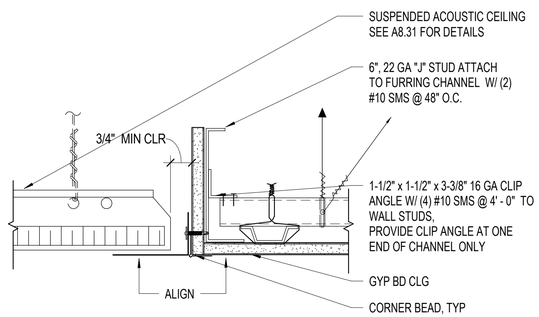
4 / A8.28 NTS



NOTE :
1. TYP VERTICAL SUSPENSION WIRE: 12 GA GALV SOFT ANNEALED MILD STEEL; INSTALL WIRES NO MORE THAN 1 TO 6 OUT OF PLUMB.
2. CEILING PANEL NOT SHOWN FOR CLARITY.

SUSPENDED ACOUSTICAL CEILING PERIMETER (SEISMIC CLIP)

5 / A8.28 NTS

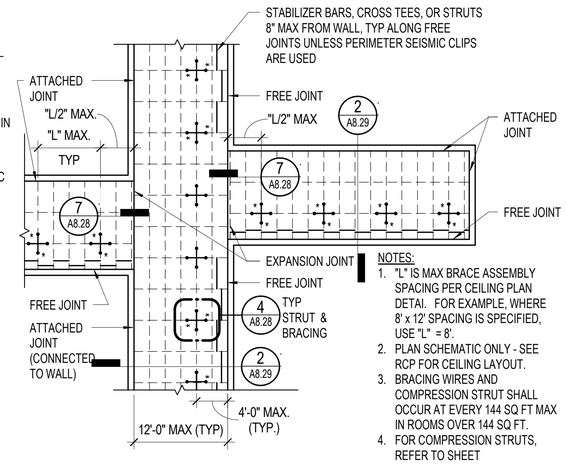


SUSPENDED ACOUSTICAL CEILING AND GYP

6 / A8.28 NTS

SUSPENDED ACOUSTICAL CEILING GENERAL NOTES

1. DETAILS APPLY TO FLAT AND LEVEL CEILING SYSTEMS WHOSE TOTAL WEIGHT (INCLUDING CEILING MOUNTED AIR TERMINALS, SERVICES AND LIGHT FIXTURES) DOES NOT EXCEED 4 PSF.
2. EXPANSION JOINTS SHALL BE PROVIDED IN THE CEILING INTERSECTIONS OF CORRIDORS AND JUNCTIONS OF CORRIDORS WITH LOBBIES OR OTHER SIMILAR AREAS.
3. FOR CEILING AREAS EXCEEDING 2,500 SQ FT A SEISMIC SEPARATION JOINT SHALL BE PROVIDED TO DIVIDE THE CEILING INTO AREAS NOT EXCEEDING 2,500 SQ FT.
4. PENETRATIONS THROUGH THE CEILING FOR SPRINKLER HEADS AND OTHER SIMILAR DEVICES THAT ARE NOT INTEGRALLY TIED TO THE CEILING SYSTEM IN THE LATERAL DIRECTION SHALL HAVE A 2" OVERSIZE RING, SLEEVE, OR ADAPTER THROUGH THE CEILING TILE TO ALLOW FREE MOVEMENT OF 1" IN ALL HORIZONTAL DIRECTIONS.
5. SUPPORT SURFACE MOUNTED LIGHT FIXTURES BY AT LEAST 2 POSITIVE DEVICES WHICH SURROUND THE CEILING RUNNER AND WHICH ARE EACH SUPPORTED FROM THE STRUCTURE ABOVE BY #12 GAGE WIRE. SPRING CLIPS OR CLAMPS THAT CONNECT ONLY TO THE RUNNER ARE NOT ACCEPTABLE. PROVIDE ADDITIONAL SUPPORTS WHEN LIGHT FIXTURES ARE 8 FT OR LONGER. MAXIMUM SPACING BETWEEN SUPPORTS SHALL NOT EXCEED 8 FT.
6. SUPPORT PENDANT MOUNTED LIGHT FIXTURES DIRECTLY FROM THE STRUCTURE ABOVE WITH HANGER WIRES OR CABLES PASSING THROUGH EACH PENDANT HANGER AND CAPABLE OF SUPPORTING 2 TIMES THE WEIGHT OF THE FIXTURE. A BRACING ASSEMBLY IS REQUIRED WHERE THE PENDANT HANGER PENETRATES THE CEILING. SPECIAL DETAILS ARE REQUIRED TO ATTACH THE PENDANT HANGER TO THE BRACING ASSEMBLY TO TRANSMIT HORIZONTAL FORCE. IF THE PENDANT MOUNTED LIGHT FIXTURE IS DIRECTLY AND INDEPENDENTLY BRACED BELOW THE CEILING (FOR EXAMPLE, AIRCRAFT CABLES TO WALLS) THEN BRACE ASSEMBLY IS NOT REQUIRED ABOVE THE CEILING.

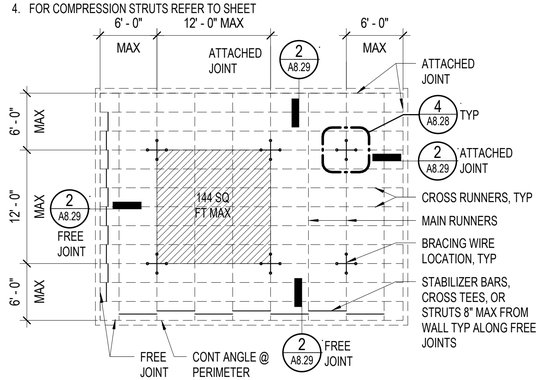


NOTES:
1. "L" IS MAX BRACE ASSEMBLY SPACING PER CEILING PLAN DETAI. FOR EXAMPLE, WHERE 8' x 12' SPACING IS SPECIFIED, USE "L" = 8'.
2. PLAN SCHEMATIC ONLY - SEE RCP FOR CEILING LAYOUT.
3. BRACING WIRES AND COMPRESSION STRUT SHALL OCCUR AT EVERY 144 SQ FT MAX IN ROOMS OVER 144 SQ FT.
4. FOR COMPRESSION STRUTS, REFER TO SHEET

EXPANSION/ SLIP JOINTS IN CORRIDORS

2 / A8.28 NTS

NOTE:
1. PLAN SCHEMATIC ONLY - SEE RCP FOR CEILING LAYOUT.
2. BRACING WIRES AND COMPRESSION STRUT SHALL OCCUR AT EVERY 144 SQ FT MAX IN ROOMS OVER 144 SQ FT.
3. WHERE PERIMETER SEISMIC CLIPS ARE USED, STABILIZER BARS ARE NOT REQUIRED.
4. FOR COMPRESSION STRUTS REFER TO SHEET



TYP CEILING PLAN - 12' X 12' BRACE ASSEMBLY

3 / A8.28 NTS

NOLL & TAM ARCHITECTS
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SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

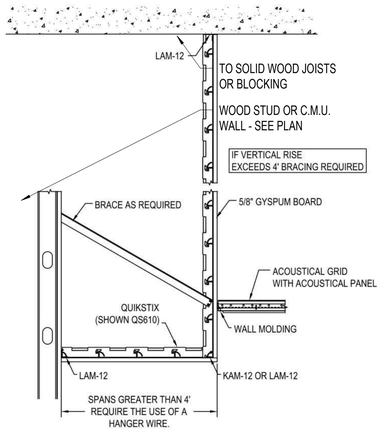
ISSUE DATE **03.31.2025**
N&T JOB NUMBER **22125**

REVISIONS

	DATE	DESCRIPTION

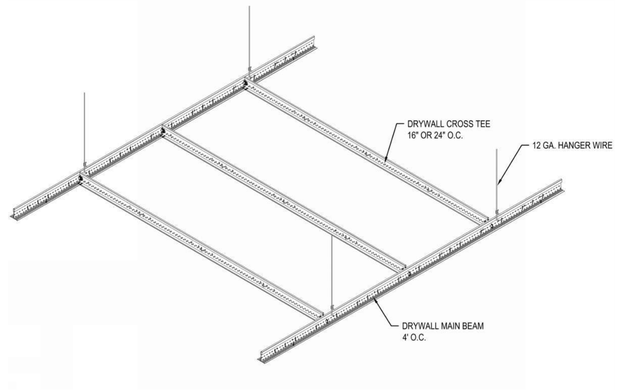
SHEET TITLE
INTERIOR - CEILING DETAILS - SUSPENDED ACT

SHEET NUMBER
A8.28



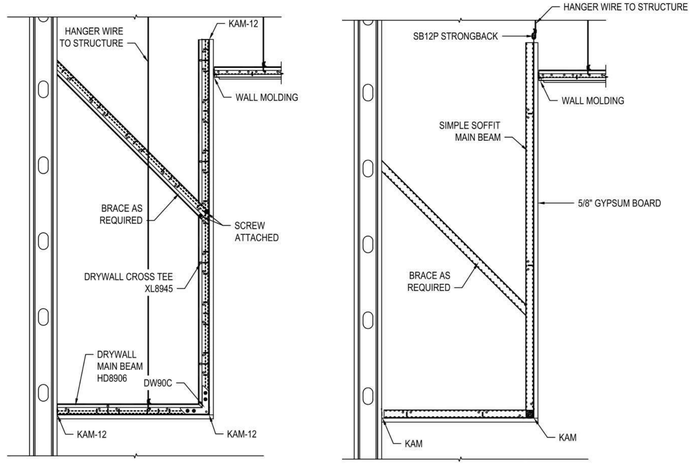
6 A8.35 USG DRYWALL SUSP. - "QUCKSTIX" SOFFIT DETAIL

3" = 1'-0"



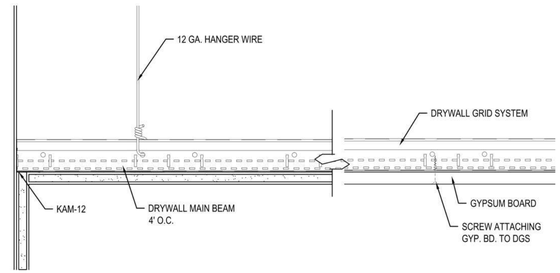
3 A8.35 USG DRYWALL SUSP. - MAIN BEAM AND CROSS TIE

3" = 1'-0"



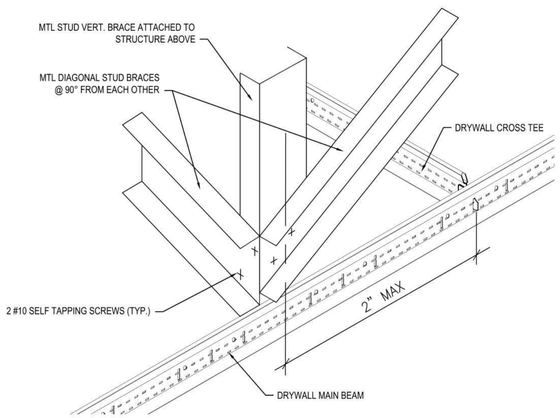
7 A8.35 USG DRYWALL SUSP. - SOFFIT OPTIONS

3" = 1'-0"



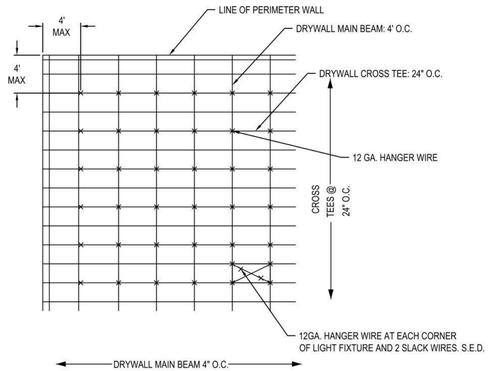
4 A8.35 USG DRYWALL SUSP. - CEILING PERIMETER

3" = 1'-0"



5 A8.35 USG DRYWALL SUSP. - SEISMIC BRACE

3" = 1'-0"



NOTES:

1) PROVIDE COUNTER SLOPING WIRES FOR VERTICAL HANGER WIRES MORE THAN 6 IN 1 OUT-OF-PLUMB.
2) ATTACH EACH VERTICAL WIRE TO SUPPORT ABOVE & CEILING SUSPENSION MEMBER W/MIN. OF 3 TIGHT TURNS IN 1 1/2".
3) SECURE DIAGONAL FRAMING WIRE TO MAIN RUNNERS WITH 4 TIGHT TURNS IN 1 1/2".

1 A8.35 USG DRYWALL SUSPENSION DATA

3" = 1'-0"

2 A8.35 USG DRYWALL SUSPENSION - CEILING DIAGRAM

3" = 1'-0"

USG DRYWALL SUSPENSION SYSTEM

FLAT CEILINGS

30 YEAR LIMITED SYSTEM WARRANTY
- No Visible Sag
- Mold/Mildew Protection

ORDER SAMPLES/LITERATURE
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CGC: contact Sales Representative

TECHNICAL SERVICES
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SYSTEM COMPONENTS

Straight Main Tees

Wall-to-Wall System Straight Tee**

Cross Tees

Moldings

Accessories

		ASTM Class	Length	Height	Item No.	Fire Rating	IBC Seismic Design	Rated Load [1] Hanger Spacing–lb./LF 24" L/240	24" L/360	36" L/240	36" L/360	48" L/240	48" L/360
DGLW	1½" nom.	Heavy Duty	12"	1.617"	DGLW26[1] DGLW26E(G90)[1]		A-F	129	86	57	38	24	16
DGW	1½" nom.	Heavy Duty	6' to 14'	1.617"	DGW26s	Class A	A-F	131	86	62	41	30	20

						Span L/360 lb./LF Span	Value
DGLW	1½"	—	2'	1-1/2"	DGLW224	A-F	24"	99.9
		—	26"	1-1/2"	DGLW2624[1]	A-F	26"	93.1
		—	4'	1-1/2"	DGLW424 DGLW424E (G90)	A-F	48"	15.9
		—	50"	1-1/2"	DGLW50[1]		50"	14.1
		—	72"	1-1/2"	DGLW624		72"	4.7
DGW	1½" nom.	—	5' 6' 7' 8'	1.617"	DGW-6026DM DGW-7226DM DGW-8426DM DGW-9626DM	Class A	A-F	60" 72" 84" 96"	
	1½"	—	12"	—	DGWM24 DGWM24E	—	A-F	—	—
	1½"	—	12"	—	DGCM27E	—	A-F	—	—
	1½"	—	12"	—	DGLC-12	—	A-F	—	—

DGSC180 Splice Clip*	DGTC90 Transition Clip	DGC4, DGC6, DGC8 USG Compasso™ Drywall Clip	DGWC Wall Attachment Clip	CMAC-1 Close Mount Attachment Clip

* See AC3152 for alternative splice details. ** See AC3230 for expanded wall-to-wall data

Firecode*

PHYSICAL DATA/ FOOTNOTES

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Product literature and samples
Drywall suspension systems guide: AC3152
Data sheet: AC3117
Data sheet wall-to-wall: AC3230
Samples: 257202
Direct mount install guide: AC5420

Material
Min. G40 hot-dipped galvanized steel. G90 hot-dipped galvanized steel available for select items.

Online tools
usgdesignstudio.com or cgcdesignstudio.com

Installation
Install according to ASTM C636, ASTM E580, ASTM C754 CISCA and USG requirements. Alternate installation methods may be used when approved by the authority having jurisdiction.

Limitations
For exterior applications, the suspension system should be reviewed by a structural engineer. Please refer to SC2160 for more information about exterior ceiling applications.

LA Research Report – RR 25764
Refer to usg.com for most current version.

ICC Evaluation Services, LLC. Report Compliance
For areas under ICC jurisdiction, see ICC-ES Evaluation Report ESR-4358 for allowable values and conditions of use. Reports are subject to reexamination, revision and possible cancellation. Refer to usg.com for most current version.

Notes
1. Manufactured and tested in accordance with ASTM C635, ASTM A653, and ASTM C645.
2. Spanning ties for Direct Mount System mfg. with cross tee connection clip at one end and flush-end at other.
3. Products with 'E' in name are made of G90 HDG steel.

Manufactured by USG Interiors, LLC 550 West Adams Street Chicago, IL 60661

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Safety First! Follow good safety/industrial hygiene practices during installation. Wear appropriate personal protective equipment. Read SDS and literature before specification and installation.

USG CGC

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REVISIONS

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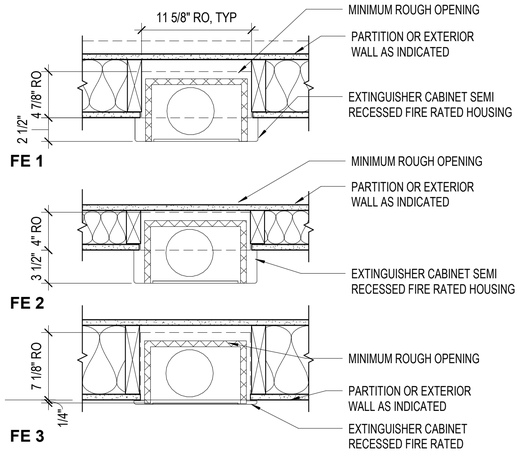
SHEET TITLE
INTERIOR - USG SUSPENDED GYP BD CEILING SYSTEM

SHEET NUMBER
A8.35



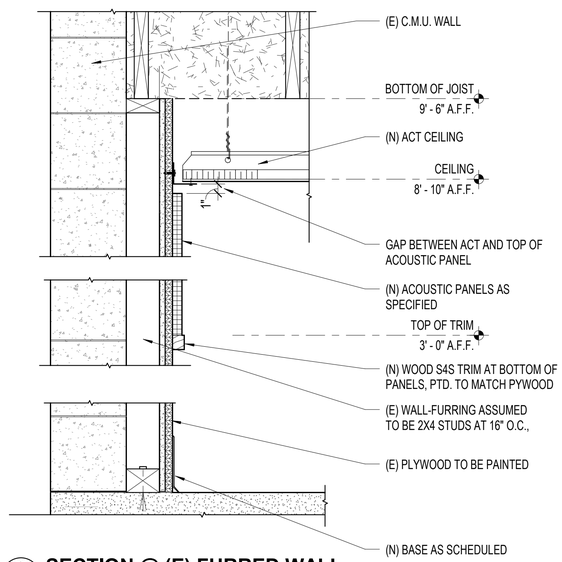
(RECESSED A.E.D. CABINETS SIMILAR)

6 FIRE EXTINGUISHER CABINET- WOOD STUD

A8.61 — 1 1/2" = 1'-0"

7 SECTION @ ACOUSTIC PANELS

A8.61 — 3" = 1'-0"



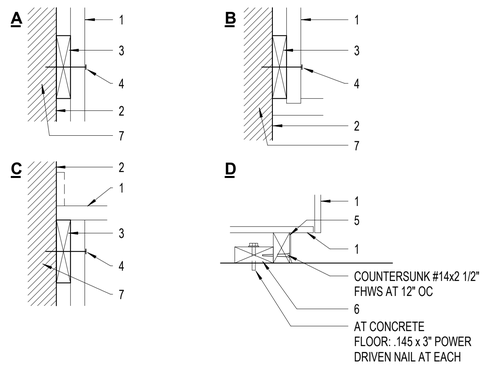
8 SECTION @ (E) FURRED WALL

A8.61 — 1 1/2" = 1'-0"

KEY TO ANCHORAGE NOTES

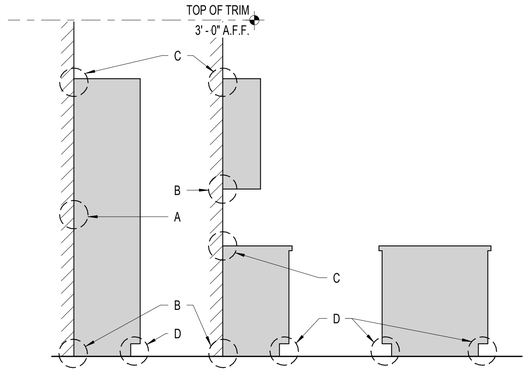
1. CASEWORK (FRONT) (BACK) (TOP) (BOTTOM)
2. FACE OF WALL
3. 1x4 CONTINUOUS WOOD CLEAT
4. ANCHORAGE - TYPE VARIES BASED UPON WALL CONSTRUCTION AS FOLLOWS:
   - A. WOOD STUD FRAMING - #10 X 3 1/2" FLAT HEAD WD SCREW @ 16" OC, 2" MAXIMUM FROM EACH END AT STUD OR BLOCKING, MINIMUM 2 PER CABINET, OR
   - B. METAL STUD FRAMING - #8 X 2 1/2" FLAT HEAD SMS @ 16" OC, 2" MAXIMUM FROM EACH END, MINIMUM 2 PER CABINET, OR
   - C. MASONRY OR CONCRETE - 3/8" DIA RAMSET DYNABOLT SLEEVE ANCHORS (2" MIN EMBEDMENT) @ 24" OC, MINIMUM 2 PER CABINET
5. 2X SKIRT - BASE AS SCHEDULED
6. 2X4 PLATE
7. CONTINUOUS BACKING, SEE DETAIL --/--

HEIGHT OF BASE TO MATCH WALL BASE
ADJACENT - SOME APPLICATIONS REQUIRE 6 INCH BASE



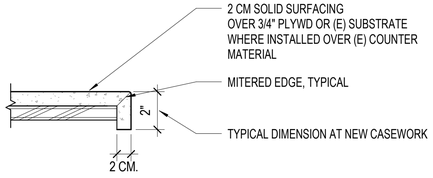
3 TYPICAL CASEWORK ANCHORAGE

A8.61 — 3" = 1'-0"



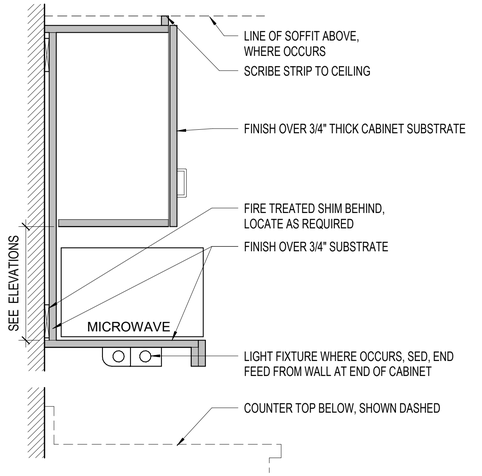
4 TYPICAL CASEWORK ANCHORAGE - ELEV

A8.61 — 1/2" = 1'-0"



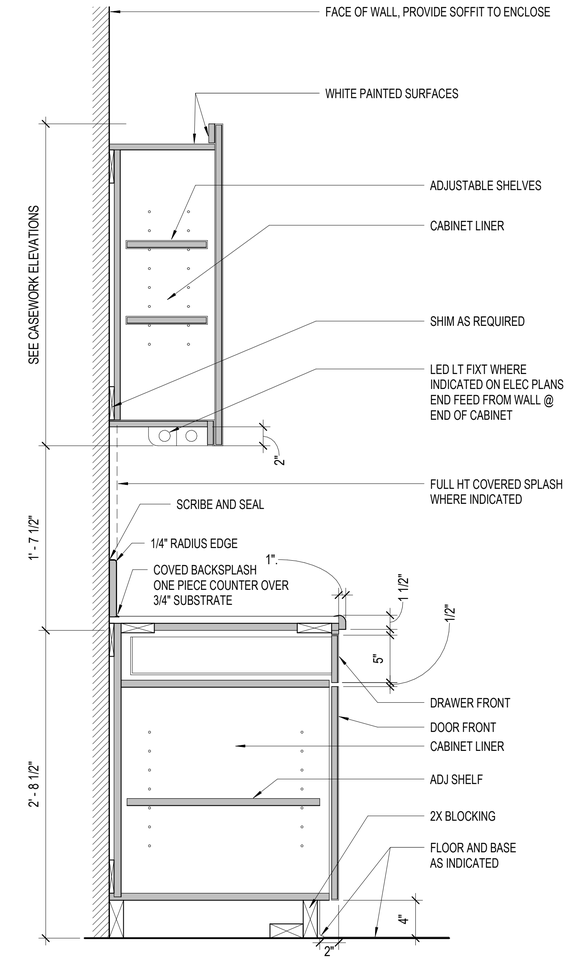
5 SOLID SURFACE COUNTERTOP

A8.61 — 3" = 1'-0"



1 CASEWORK - MICROWAVE

A8.61 — 1 1/2" = 1'-0"



2 CASEWORK - KITCHEN CABINET

A8.61 — 1 1/2" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

LICENSED ARCHITECT — JANET TAM — No. C-14064 — REN. 01-31-25 — STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE: 03.31.2025
N&T JOB NUMBER: 22125

REVISIONS

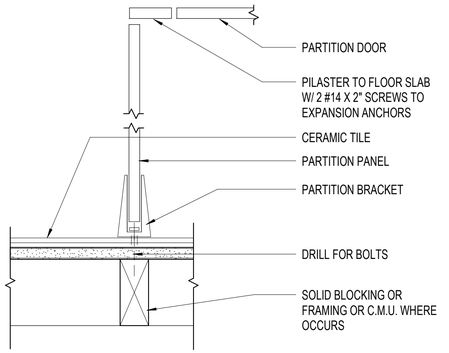
	DATE	DESCRIPTION

SHEET TITLE

INTERIOR - SPECIALTY & MISCELLANEOUS DETAILS

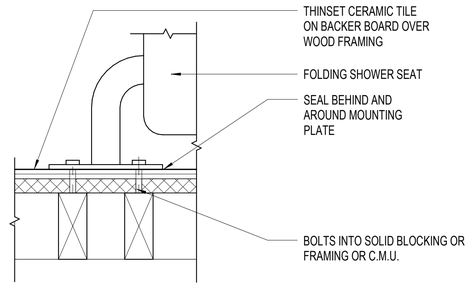
SHEET NUMBER

A8.61



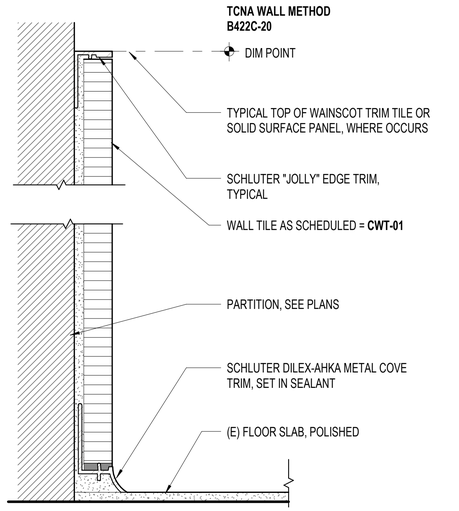
9 A8.62 TOILET PARTITION ANCHOR1

3" = 1'-0"



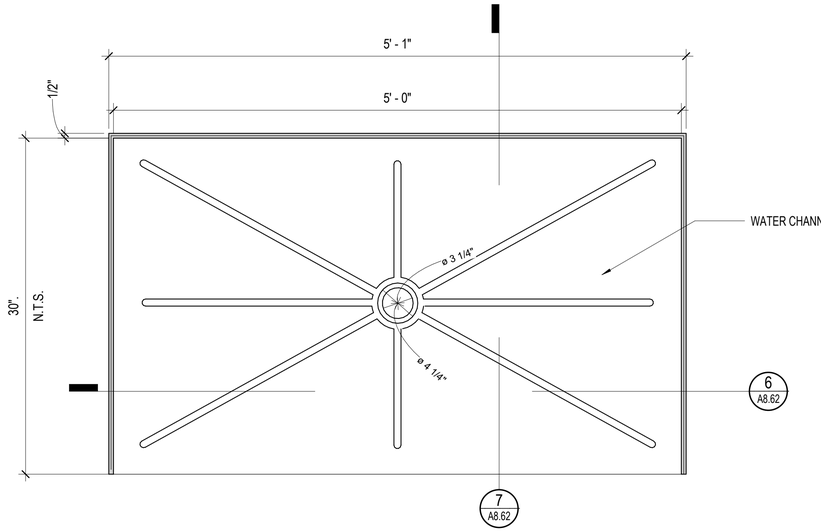
10 A8.62 SHOWER SEAT

3" = 1'-0"



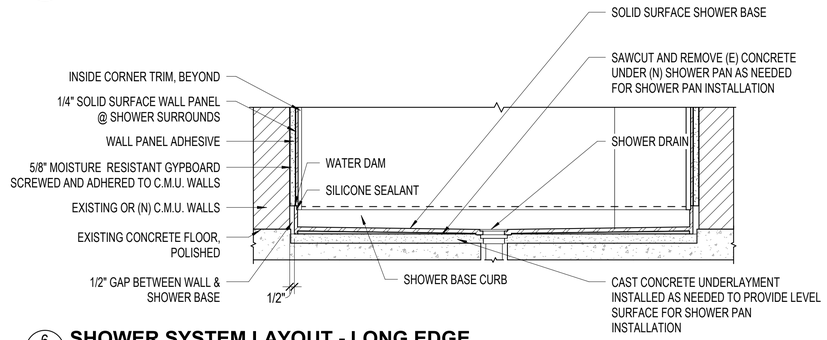
11 A8.62 RESTROOM TYP. COVE @ WAINSCOT TRIM

12" = 1'-0"



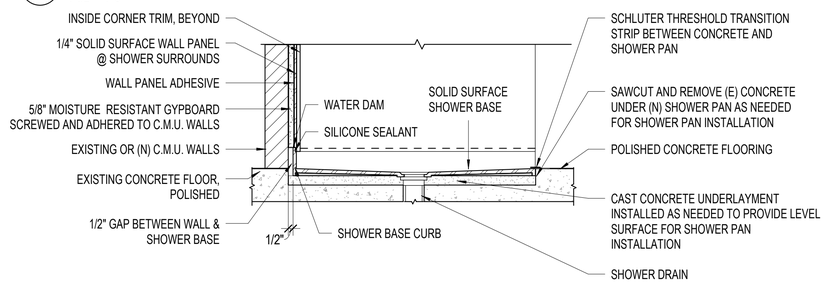
5 A8.62 SHOWER TRAY DETAIL

1 1/2" = 1'-0"



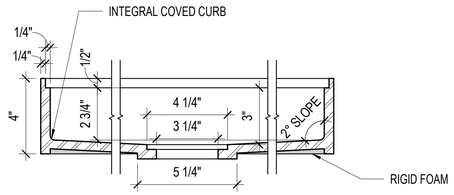
6 A8.62 SHOWER SYSTEM LAYOUT - LONG EDGE

1 1/2" = 1'-0"



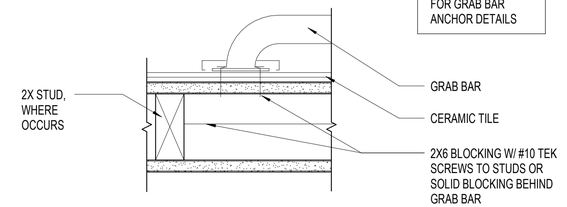
7 A8.62 SHOWER SYSTEM LAYOUT - SHORT EDGE

1 1/2" = 1'-0"



8 A8.62 SHOWER TRAY SECTION - LONG EDGE

3" = 1'-0"

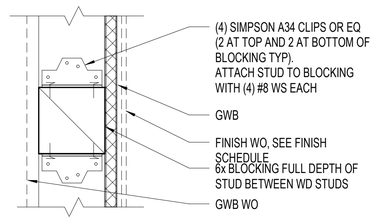


1 A8.62 GRAB BAR BACKING @ RESTROOMS

3" = 1'-0"

NOTES:

1. USE FOR GRAB BARS AND EQUIPMENT MAX. WT.-300 LBS/ LIN. FT.
2. LENGTH, HEIGHT AND LOCATION TO SUIT ITEMS BEING FASTENED. SEE ANCHORAGE DETAIL OF SPECIFIC ITEMS FOR ADDITIONAL INFORMATION.
3. ATTACH TO THREE STUDS MIN.
4. USE DBL. STUDS WHEN STUD IS SUPPORTING MORE THAN (2) BLOCKING STUDS



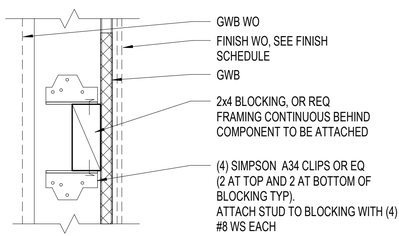
FOR FURNITURE, FIXTURES, EQUIPMENT, TOILET PARTITIONS, GRAB BARS

2 A8.62 ANCHOR DETAIL TYPE 3 - MAX 300 LBS/LF LOAD

3" = 1'-0"

NOTES:

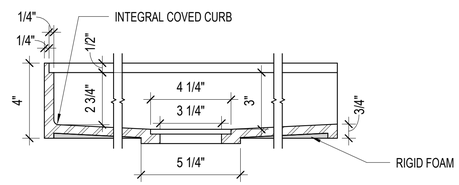
1. USE FOR MISC ITEMS AS NEEDED MAX. WT.-50 LBS/ LIN. FT.
2. LENGTH, HEIGHT AND LOCATION TO SUIT ITEMS BEING FASTENED. SEE ANCHORAGE DETAIL OF SPECIFIC ITEMS FOR ADDITIONAL INFORMATION.
3. ATTACH TO THREE STUDS MIN.
4. USE DBL. STUDS WHEN STUD IS SUPPORTING MORE THAN (2) BLOCKING STUDS



FOR SURFACE MOUNTED MIRRORS, WASTE RECEPTACLES, TOWEL DISPENSERS, WALL MOUNTED DOOR STOPS, ETC. MEETING LOAD MAX

3 A8.62 ANCHOR DETAIL TYPE 1 - MAX 50 LBS/LF LOAD

3" = 1'-0"



4 A8.62 SHOWER TRAY SECTION - SHORT EDGE

3" = 1'-0"

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729 Heinz Avenue
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SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
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STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
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1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

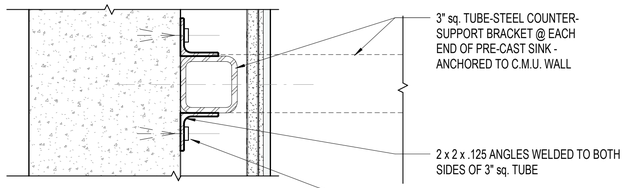
N&T JOB NUMBER 22125

REVISIONS

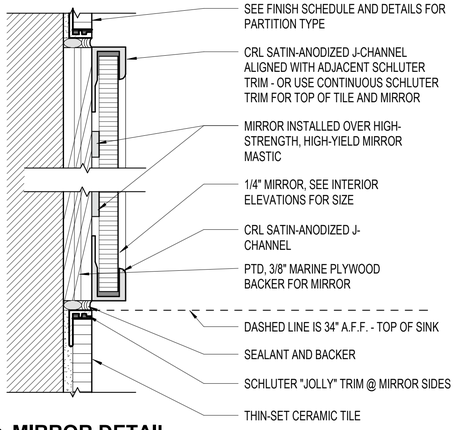
#	DATE	DESCRIPTION

SHEET TITLE
INTERIOR - SPECIALTY & MISCELLANEOUS DETAILS

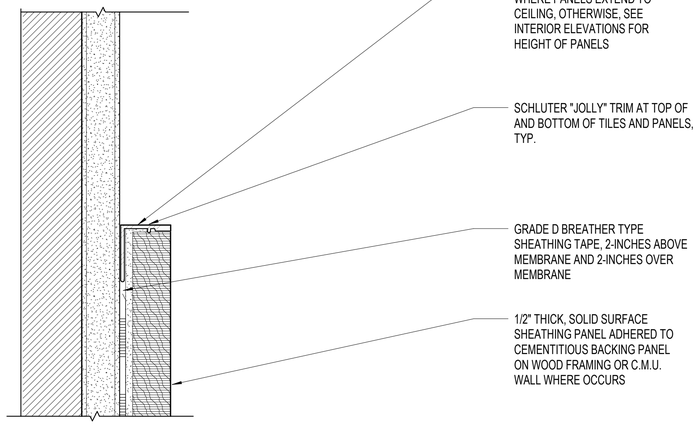
SHEET NUMBER
A8.62

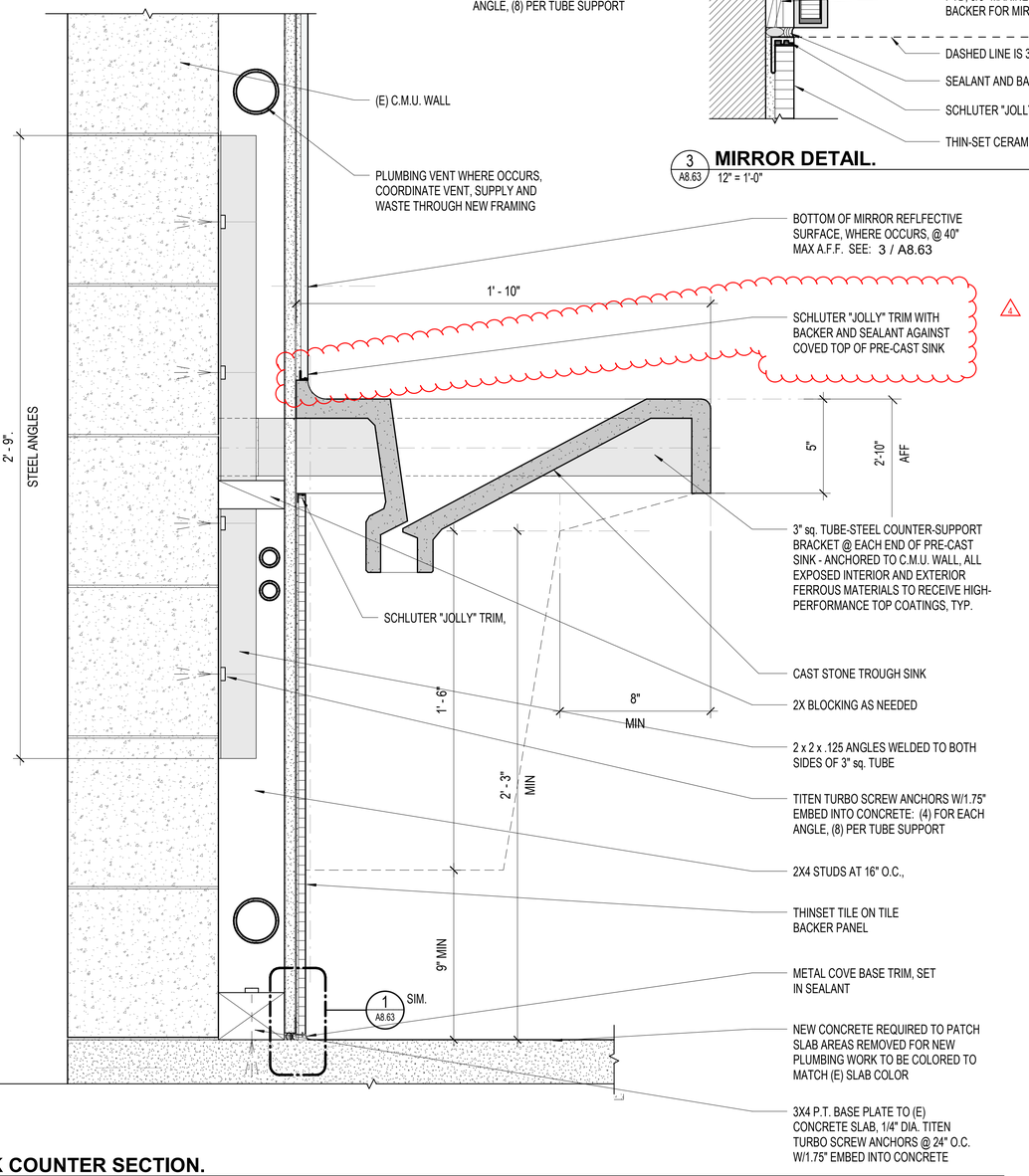


SECTION THROUGH TUBE SUPPORT

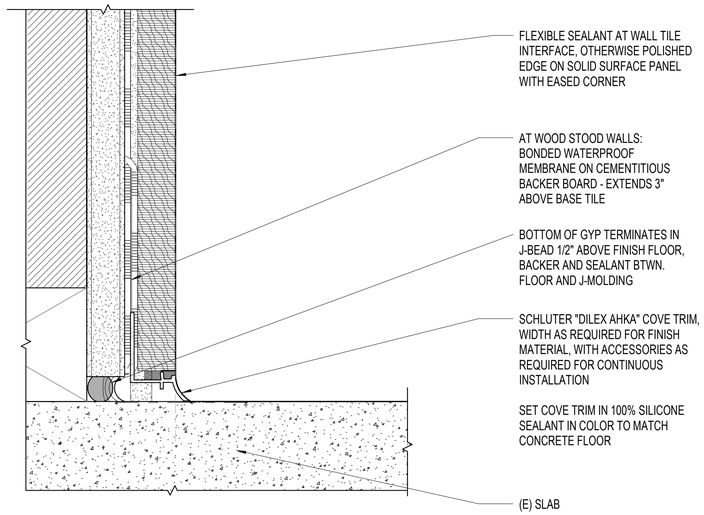


3 A8.63 **MIRROR DETAIL.**
12" = 1'-0"

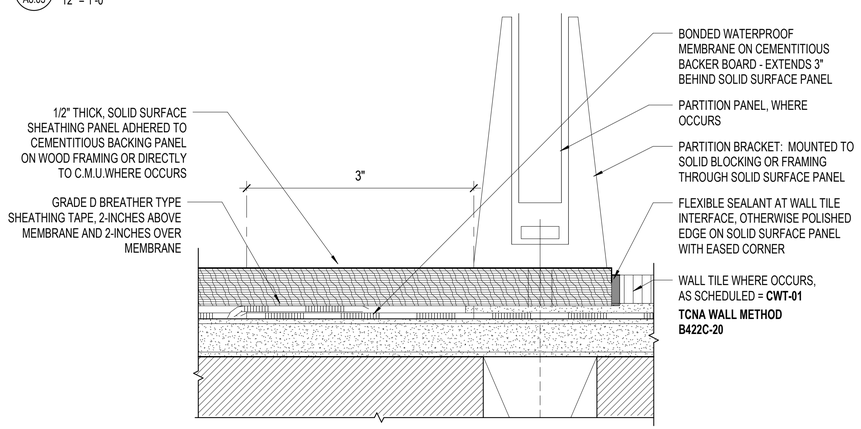




4 A8.63 **SINK COUNTER SECTION.**
3" = 1'-0"



1 A8.63 **WALL BASE AT SOLID SURFACE PANEL**
12" = 1'-0"



2 A8.63 **PLAN SECTION - TILE AND SOLID SURFACE**
12" = 1'-0"

NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
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SEAL

LICENSED ARCHITECT
JANET TAM
No. C-14064
REN. 01-31-25
STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORP. YARD, BLDG. 'B', GREEN ROOM

1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

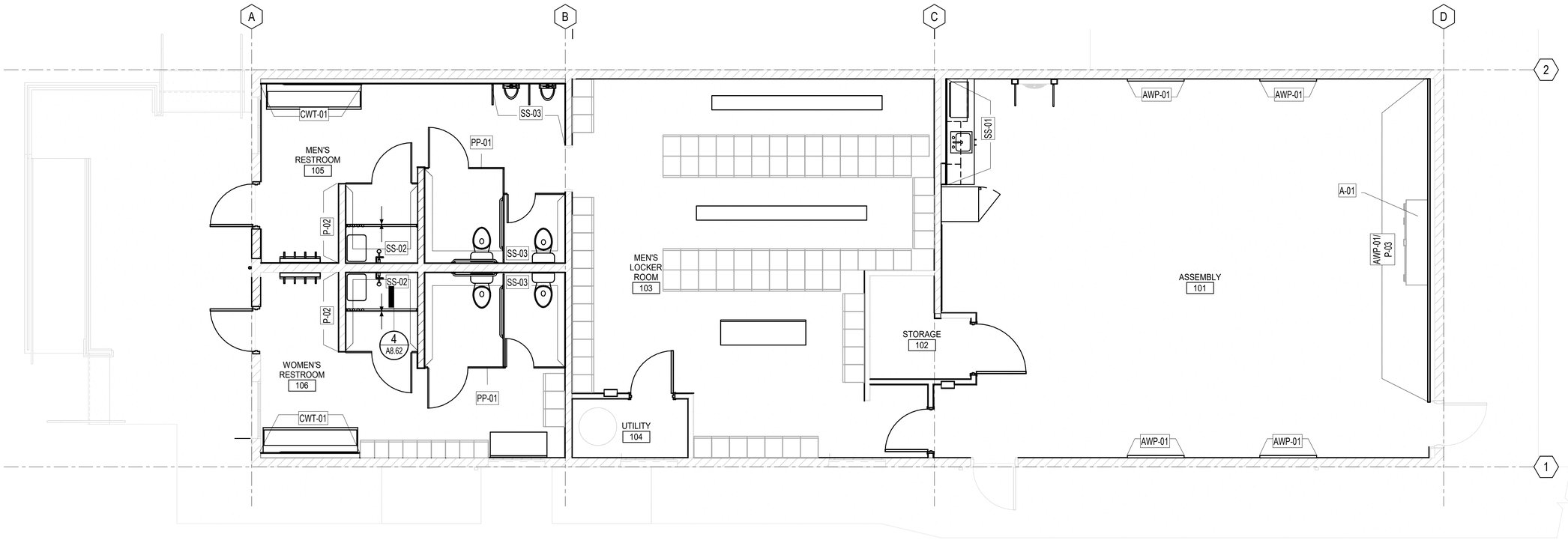
ISSUE DATE **03.31.2025**
N&T JOB NUMBER **22125**

REVISIONS

	DATE	DESCRIPTION
4	03.25.25	Revision 4

SHEET TITLE
INTERIOR - SPECIALTY & MISCELLANEOUS DETAILS

SHEET NUMBER
A8.63



1 A9.11 **01 - FINISH PLAN**
1/4" = 1'-0"

INTERIOR FINISHES SCHEDULE*

*FOR REFERENCE ONLY, SEE SPECIFICATIONS FOR MORE INFORMATION

SECTION 06 20 00 - FINISH CARPENTRY

FRP PANELS:

FRP-01:	MANUFACTURER:	MARLITE
	COLOR:	ARTIZAN 211 - GRIZEL
	FINISH:	SMOOTH
	LOCATION:	UTILITY AND STORAGE ROOMS

SECTION 06 41 00 - ARCHITECTURAL WOOD CASEWORK

PLASTIC LAMINATE:

PL-01:	MANUFACTURER:	WILSONART
	COLOR:	CHARCOAL VELVET
	FINISH:	TRACELESS
	LOCATION:	ASSEMBLY ROOM

CABINET DOOR AND DRAWER PULLS:

DP-01:	MANUFACTURER:	DOUG MOCKETT OR EQUAL
	SIZE & TYPE:	6 27/32" SQUARE DRAWER PULL, DP105A/6-SSS
	FINISH:	SATIN STAINLESS STEEL

SECTION 09 30 00 - TILING

CERAMIC WALL TILE:

CWT-01:	MANUFACTURER:	STATEMENTS
	PRODUCT:	CLAY
	COLOR:	VERVE NATURAL
	SIZE (NOMINAL):	31.5" X 31.5", 9MM THICKNESS
	INSTALLATION PATTERN:	STRAIGHT STACK
	GROUT COLOR:	TBD BY ARCHITECT FROM MANUFACTURER'S STANDARD LINE
	GROUT JOINT SIZE:	MINIMUM SIZE AS RECOMMENDED BY MANUFACTURER
	TRIM:	SCHLUTER DILEX AND JOLLY TRIMS WHERE INDICATED; REFER TO FINISH TRANSITION DETAILS, SHEET A8.70
	LOCATION:	RESTROOMS
	CONTACT:	JILL REID, jreid@statementstile.com

SECTION 09 84 00 – ACOUSTICAL PANELS

ACOUSTICAL PANELS:

AWP-01:	MANUFACTURER:	AUTEX OR SIM.
	PRODUCT:	QUIETSPACE PANEL W/ VERTIFACE OVERLAY
	COLOR:	NUDE GRAY/STONEWASH
	SIZE/THICKNESS:	1", 48" X 96"
	COMMENTS:	DIRECT APPLY
	LOCATION:	ASSEMBLY ROOM
	CONTACT:	JEREMY WINTER, jeremy@autexacoustics.com

SECTION 09 90 00 - PAINTING

TYPICAL INTERIOR PAINT FINISHES:
CEILINGS & SOFFITS: FLAT
WALLS: EGGSHELL
TOILET ROOM, CUSTODIAL ROOM WALLS: SEMI-GLOSS
PAINTED DOORS & FRAMES: SEMI-GLOSS

INTERIOR PAINT COLORS:

P-01 (GENERAL):	SHERWIN WILLIAMS, SW 7005 PURE WHITE
P-02 (ACCENT):	SHERWIN WILLIAMS, *SW 9056 FRENCH MOIRE / SW 6500 OPEN SEAS*
P-03 (ACCENT):	SHERWIN WILLIAMS, SW 6508 SECURE BLUE
P-05 (CEILINGS):	SHERWIN WILLIAMS, SW 7757 HIGHLY REFLECTIVE WHITE

SECTION 10 21 13 – PHENOLIC WALL PARTITIONS

PHENOLIC TOILET PARTITIONS

PP-01:	MANUFACTURER:	BRADLEY
	PRODUCT:	700 SERIES
	COLOR:	GRAPHITE GRAFIX 006F
	LOCATION:	RESTROOMS

SECTION 12 - FURNISHINGS

CREDENZA:

A-01:	MANUFACTURER:	HEARTWORK OR EQUAL
	PRODUCT:	ACTIVE DUTY A/V
	SIZE:	72" X 20" X 26 3/4"
	FINISH:	COOL CHARCOAL
	COMMENTS:	LOCKABLE WITH CASTERS AND PERFORATED BACK
	LOCATION:	ASSEMBLY ROOM
	CONTACT:	LAUREN FRIEDMAN, Lauren@heartwork.coM

SECTION 12 36 69 - COUNTERTOPS and **WALL PANELS**

QUARTZ SOLID SURFACING:

SS-01:	MANUFACTURER:	CAMBRIA
	PRODUCT/COLOR:	FIELDSTONE
	FINISH:	MATTE
	THICKNESS/PROFILE:	2 CM/RIMROCK
	LOCATION:	ASSEMBLY CASEWORK
	CONTACT:	ANDREW YI, andrew.yi@cambriausa.com

RESIN SOLID SURFACE PANEL:

SS-02:	MANUFACTURER:	LX HAUSYS HIMACS
	COLOR:	EBONY CONCRETE
	THICKNESS:	6MM
	SIZE:	30" X 145"
	COMMENTS:	INSTALL OVER 5/8", MOISTURE RESISTANT GYPSUM OR CEMENT BOARD.
	LOCATION:	RESTROOM SHOWER WALLS & PAN
	CONTACT:	THERESA YOUN, tyoun@lxhausys.com
SS-03:	MANUFACTURER:	LX HAUSYS HIMACS
	COLOR:	EBONY CONCRETE
	THICKNESS:	12MM
	SIZE:	30" X 145"
	COMMENTS:	INSTALL OVER 5/8", MOISTURE RESISTANT GYPSUM OR CEMENT BOARD AT WOOD FRAMED/FURRED WALLS OR DIRECTLY ON C.M.U WALLS
	LOCATION:	TOILET COMPARTMENT WALLS and AT BASE CONDITIONS IN LOCKER ROOMS AND RESTROOMS AT C.M.U. AND GYP. FINISHED WALLS NOT RECEIVING TILE OR WAINSCOT, INSTALLED IN LONGEST LENGTHS POSSIBLE

ROOM FINISH SCHEDULE

#	Name	Floor Finish	Base Finish	Wall Finish	Ceiling Finish	Comments
101	ASSEMBLY	POLISHED (E) CONC	6" RUBBER	GB / P / AWP	ACT	
102	STORAGE	POLISHED (E) CONC	6" RUBBER	GB / P	ACT	FRP-01 TO 60", ALL WALLS
103	MEN'S LOCKER ROOM	POLISHED (E) CONC	SS-03 W/MTL COVE	GB / P	ACT	
104	UTILITY	POLISHED (E) CONC	6" RUBBER	GB / P	ACT	FRP-01 TO 60", ALL WALLS
105	MEN'S RESTROOM	POLISHED (E) CONC	SS-03 W/MTL COVE	GB / P / CWT	GB	
106	WOMEN'S RESTROOM	POLISHED (E) CONC	METAL COVE BASE	GB / P / CWT	GB	

EXTERIOR FINISHES SCHEDULE*

*FOR REFERENCE ONLY, SEE SPECIFICATIONS FOR MORE INFORMATION

SECTION 09 90 00 - PAINTING

TYPICAL EXTERIOR PAINT FINISHES:
SEE A3.11 EXTERIOR ELEVATIONS FOR LOCATIONS

EXTERIOR PAINT COLORS:

PT-01 (GENERAL):	SHERWIN WILLIAMS, SW 0066 CASCADE GREEN
PT-02 (ACCENT):	SHERWIN WILLIAMS, SW 6179 ARTICHOKE

FINISH SCHEDULE ABBREVIATIONS

ACT	ACOUSTICAL CEILING TILE
AWP	ACOUSTIC WALL PANEL
CONC	CONCRETE
CWT	CERAMIC WALL TILE
DP	DRAWER PULL
GB	GYPSUM BOARD
OTS	OPEN TO STRUCTURE
P	INTERIOR PAINT
PL	PLASTIC LAMINATE
PT	EXTERIOR PAINT
RB	RUBBER BASE
SS	SOLID SURFACE
WD	WOOD

NOLL & TAM ARCHITECTS
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SEAL

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1326 ALLSTON WAY
BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025
N&T JOB NUMBER 22125

REVISIONS

	DATE	DESCRIPTION

SHEET TITLE
FINISH PLAN - 1ST FLOOR

SHEET NUMBER
A9.11

GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE 2019 CALIFORNIA BUILDING CODE AND THE SPECIFICATIONS.
2. THESE NOTES SHALL APPLY TO ALL STRUCTURAL DRAWINGS UNLESS OTHERWISE NOTED OR SHOWN.
3. ALL WORK IS TO BE ASSUMED AS NEW UNLESS SPECIFICALLY STATED OTHERWISE.
4. FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT SIMILAR CONDITIONS. ALL DETAILS REFERENCED, AND DETAILS NOT REFERENCED ON PLANS, SHALL BE CONSIDERED TYPICAL AND APPLY TO ALL SIMILAR CONDITIONS OF THE CONSTRUCTION.
5. THE STRUCTURAL DRAWINGS SHOW STRUCTURAL FEATURES. EXACT CONFIGURATION OF INTERIOR PARTITION WALLS IS SHOWN ON ARCHITECTURAL DRAWINGS AND IS NOT NECESSARILY ALL SHOWN ON THE STRUCTURAL DRAWINGS. PROVIDE ANCHORAGE, INSERTS, ANCHOR BOLTS, ETC. FOR STRUCTURAL CONNECTIONS OF TOP, SIDES AND BOTTOM OF ALL PARTITION WALLS AS LOCATED ON THE ARCHITECTURAL DRAWINGS.
6. REFER TO THE ARCHITECTURAL DRAWINGS AND THE SPECIFICATIONS FOR THE FOLLOWING: FLOOR FINISHES; DEPRESSIONS AND CURBS ON FLOORS; OPENINGS REQUIRED FOR WINDOWS, DOORS, DUCTS, VENTS, PLUMBING, ETC.; FLASHING, INSERTS, ANCHORAGES, HANGERS ETC., EMBEDDED IN OR ATTACHED TO THE STRUCTURE; ROADWAY, WALKS, PAVING, STAIRS, RAMPS, TERRACES, EXTERIOR GRADES, ELEVATIONS OF ROOF SURFACE AND LOCATIONS OF DRAINS AND PARTITION WALLS.
7. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH ARCHITECTURAL, PLUMBING, MECHANICAL, CIVIL, AND ELECTRICAL DRAWINGS AS TO ALL LAYOUTS, DIMENSIONS AND ELEVATIONS. ANY DISCREPANCIES SHALL BE REPORTED TO THE ARCHITECT FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK.
8. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE GENERAL NOTES OR SPECIFICATIONS, THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS SHOWN FOR SIMILAR CONDITIONS.
9. BEAMS, JOISTS AND ANY OTHER STRUCTURAL ELEMENTS SHALL NOT BE CUT OR PENETRATED, EXCEPT AS SHOWN IN STRUCTURAL DETAILS OR AS APPROVED BY THE ARCHITECT AND THE STRUCTURAL ENGINEER.
10. CONTRACTOR SHALL VERIFY ALL DIMENSIONS IN FIELD PRIOR TO POURING CONCRETE; ANY DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT BEFORE PROCEEDING WITH THE WORK.
11. FEATURES OF EXISTING CONSTRUCTION SHALL BE VERIFIED BY THE CONTRACTOR IN THE FIELD AND DISCREPANCIES SHALL BE CALLED TO THE ATTENTION OF THE ARCHITECT.
12. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, TECHNIQUES AND SEQUENCES OF CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SAFETY PROGRAMS AND PROCEDURES DURING CONSTRUCTION.
13. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO ADEQUATELY SHORE AND BRACE BUILDING AS REQUIRED DURING CONSTRUCTION.
14. THE CONTRACTOR SHALL FOLLOW ALL INSTRUCTIONS, RECOMMENDATIONS AND SAFETY PRECAUTIONS PROVIDED BY THE MANUFACTURER OR SUPPLIER OF ANY MATERIAL OR PRODUCT NOTED IN GENERAL NOTES OR DRAWINGS.
15. SEE ARCHITECTURAL DRAWINGS FOR DETAILS ON REQUIRED VENTILATION OF ROOF JOISTS, FLOOR JOISTS, AND ATTIC SPACES.
16. CONTRACTOR SHALL FIELD VERIFY FRAMING CONDITIONS AND SHALL NOTIFY ARCHITECT OF ANY VARIATION FROM CONDITIONS ASSUMED ON DRAWINGS. CONTRACTOR SHALL VERIFY THAT EXISTING FRAMING IS RE-SUPPORTED AND ALL LOADS ARE TRANSFERRED TO NEW OR EXISTING FOOTINGS. CONTRACTOR SHALL CONSULT WITH THE STRUCTURAL ENGINEER AS REQUIRED.
17. MECHANICAL UNIT LOCATIONS SHOWN ON STRUCTURAL DRAWINGS ARE SCHEMATIC ONLY. GENERAL CONTRACTOR TO COORDINATE STRUCTURAL TRADES WITH MECHANICAL CONTRACTOR TO DETERMINE EXACT LOCATION OF UNITS AND SUPPORTING STRUCTURE.
18. DO NOT SCALE DRAWINGS.

DESIGN CRITERIA

1. VERTICAL LOADS:
   - A. DEAD LOADS:
     - i. ROOF DEAD LOAD: 20 PSF
   - B. LIVE LOADS:
     - i. ROOF LIVE LOAD: 20 PSF

LATERAL LOADS:

- A. WIND DESIGN LOADS – PER CBC SECTION 1609:
  - BASIC WIND SPEED: 95 MPH (ULTIMATE)
  - EXPOSURE CATEGORY: C
- B. SEISMIC DESIGN – PER CBC SECTION 1613
  - RISK CATEGORY: II
  - SEISMIC DESIGN CATEGORY: D
  - SITE CLASS: D
  - FUNDAMENTAL PERIOD: T = 0.1 SECONDS
  - BASIC LATERAL FORCE RESISTING SYSTEM – REINFORCED MASONRY SHEAR WALLS AT SHOP
  - MAPPED SHORT PERIOD ACCELERATION: Ss = 2.021g
  - SITE COEFFICIENT: Fa = 1.0
  - DESIGN SHORT PERIOD ACCELERATION: SDS = 1.348 g
  - MAPPED ONE SECOND PERIOD ACCELERATION: S1 = 0.776 g
  - SITE COEFFICIENT: Fv = N/A
  - DESIGN ONE SECOND ACCELERATION: SD1 = N/A
  - RESPONSE MODIFICATION FACTOR: R = 2
  - IMPORTANCE FACTOR: I = 1.0
  - SEISMIC RESPONSE COEFFICIENT, (SDS*I/R): Cs = 0.674
- C. ALLOWABLE BEARING PRESSURES
  - DEAD LOAD PLUS LIVE LOAD = 2,000 PSF
  - DEAD LOAD, LIVE LOAD AND SEISMIC LOAD = 2,667 PSF

EXISTING BUILDING NOTES:

1. CONDITION OF EXISTING CONSTRUCTION SHOWN ON THE DRAWINGS ARE BASED ON EXISTING RECORD DRAWINGS PROVIDED. THE CONSTRACTOR SHALL VERIFY FRAMING CONDITIONS PRIOR TO START OF WORK. IF CONDITIONS DIFFER IN ANY SIGNIFICANT WAY FROM THAT SHOWN, NOTIFY ARCHITECT/STRUCTURAL ENGINEER.
2. THE CONTRACTOR SHALL PROVIDE ALL MEASURES NECESSARY TO PROTECT THE STRUCTURE, WORKMEN, AND OTHER PERSONS DURING CONSTRUCTION. SUCH MEASURES SHALL INCLUDE, BUT NOT BE LIMITED TO, BRACING, SHORING AND/OR SCAFFOLDING.
3. THE CONTRACTOR SHALL CAREFULLY CHECK THE STABILITY OF ALL ELEMENTS OF THE EXISTING BUILDING BEFORE COMMENCING WITH ANY WORK.
4. SEWER AND UTILITY LINES ARE NOT INDICATED ON STRUCTURAL DRAWINGS. REFER TO CIVIL, PLUMBING AND ELECTRICAL DRAWINGS FOR THEIR LOCATION, PROFILE AND DETAILS. ANY INTERFERENCE BETWEEN SEWER AND UTILITY LINES SHALL BE NOTIFIED TO THE ARCHITECT/STRUCTURAL ENGINEER BEFORE PROCEEDING FURTHER WITH THE CONSTRUCTION.
5. NO NEW OPENINGS IS ALLOWED WITH AN EXCEPTION OF THE FOLLOWING CONDITION.
   A SINGLE 5" MAX, DIAMETER OR SQUARE PIPE OPENING AT SLAB ABOVE DATA ROOM, AT ROOF SLAB, AND SLABS IN-BETWEEN THESE LEVELS. THE OPENING SHALL BE LOCATED IN-BETWEEN EXISTING REBAR. AVOID ANY PART OF THE EXISTING COLUMN CAPITAL OR EXISTING WALL.
6. CONTRACTOR SHALL VERIFY CONSTRUCTION OF ALL STRUCTURAL FLOOR SLABS, AND SHALL NOTIFY ENGINEER IF POST-TENSIONED CONCRETE SLABS ARE PRESENT PRIOR TO ANY WORK COMMENCING AT THOSE LOCATIONS.
7. PRIOR TO DRILL HOLES FOR POST-INSTALLED ANCHORS/DOWELS, CONTRACTOR SHALL USE NON-DESTRUCTIVE METHOD TO DETECT LOCATIONS OF REBAR IN EXISTING ELEMENTS TO AVOID DAMAGING AND/OR CUTTING. NOTIFY, ARCHITECT AND STRUCTURAL ENGINEER WHERE CONFLICT ARE FOUND IN FIELD.
8. OTHER THAN THE DRILLED HOLES FOR POST-INSTALLED ANCHORS, DO NOT DAMAGE SURROUNDING EXISTING CONCRETE DURING INSTALLATION AND FOR TESTING OF POST-INSTALLED ANCHORS.

STRUCTURAL STEEL NOTES

1. STRUCTURAL STEEL SHALL BE ASTM A36 UNLESS OTHERWISE NOTED.
2. ALL STRUCTURAL STEEL SHALL BE FABRICATED AND ERECTED IN ACCORDANCE WITH AISC SPECIFICATIONS, LATEST EDITION.
3. ALL BOLTED STEEL-TO-STEEL CONNECTIONS SHALL BE MADE WITH 1" DIAMETER HIGH-STRENGTH BOLTS (ASTM F3125 GRADE A325-X) UNLESS OTHERWISE NOTED. ALL WELDING SHALL BE DONE BY CERTIFIED WELDERS.
4. ALL TESTING AND INSPECTION OF SHOP AND FIELD WELDING OPERATIONS SHALL BE MADE BY A CERTIFIED WELDING INSPECTOR.
5. ALL WELDS SHALL BE TESTED AND INSPECTED IN ACCORDANCE WITH
   A. THE SPECIFICATIONS
   B. THE CALIFORNIA BUILDING CODE
   C. AWS D1.1, AS WELL AS D1.8 FOR SEISMIC ELEMENTS.
   ALL WELDING ELECTRODES SHALL BE E70 SERIES. THE WELDING INSPECTOR SHALL CHECK THE WELDER'S CERTIFICATION, MATERIAL, EQUIPMENT, FIT UP AND PROCEDURES AS WELL AS THE WELDS. THE INSPECTOR SHALL USE ALL MEANS NECESSARY TO DETERMINE THE QUALITY OF THE WELDS, INCLUDING THE USE OF GAMMA RAY, MAGNAFLUX, TREPANNING, SONICS OR ANY OTHER AID TO VISUALLY INSPECT AND TO ASCERTAIN THE ADEQUACY OF THE WELDING. THE INSPECTOR SHALL FURNISH THE ARCHITECT AND THE STRUCTURAL ENGINEER WITH A REPORT VERIFYING THAT ALL WELDS HAVE BEEN DONE IN CONFORMITY WITH THE PLANS, SPECIFICATIONS, AWS D1.1 AND ANY APPLICABLE CODES. UNLESS NOTED OTHERWISE ON THE DRAWINGS, THE FABRICATION AND ERECTION REQUIREMENTS MAY DICTATE FIELD WELDING AND/OR SHOP WELDING. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DETERMINING THE METHOD OF WELDING TO FULFILL THESE REQUIREMENTS. ALL ASSOCIATED COSTS SHALL BE INCLUDED IN THE CONTRACT PRICE. ALL WELDS USED IN MEMBERS AND CONNECTIONS IN THE SEISMIC LOAD RESISTING SYSTEM AS DEFINED ON THE PLANS SHALL BE MADE WITH A FILLER METAL THAT CAN PRODUCE WELDS THAT HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0 DEGREES FAHRENHEIT AS DETERMINED BY THE APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION.
6. ALL WELDS DESIGNATED AS DEMAND CRITICAL SHALL BE MADE WITH A FILLER METAL THAT CAN PRODUCE WELDS THAT HAVE A MINIMUM CHARPY V-NOTCH TOUGHNESS OF 20 FT-LB AT 0 DEGREES FAHRENHEIT AS DETERMINED BY THE APPROPRIATE AWS A5 CLASSIFICATION TEST METHOD OR MANUFACTURER CERTIFICATION, AND 40 FT-LB AT 70 DEGREES FAHRENHEIT AS DETERMINED BY AISC 341-10 OR OTHER APPROVED METHOD, WHEN THE STEEL FRAME IS NORMALLY ENCLOSED AND MAINTAINED AT A TEMPERATURE OF 50 DEGREES FAHRENHEIT OR HIGHER.
7. SUBMIT SHOP DRAWINGS TO ARCHITECT FOR REVIEW PRIOR TO FABRICATION. SHOP DRAWINGS SHALL INCLUDE ITEMS REQUIRED BY THE SPECIFICATIONS AND THE FOLLOWING:
   A. DESIGNATION OF THE MEMBERS AND CONNECTIONS THAT ARE PART OF THE SEISMIC LOAD RESISTING SYSTEM
   B. CONNECTION MATERIAL SPECIFICATIONS AND SIZES
   C. LOCATIONS OF DEMAND CRITICAL WELDS
   D. LOCATIONS AND DIMENSIONS OF PROTECTED ZONES
   E. GUSSET PLATES DRAWN TO SCALE
   F. WELDING REQUIREMENTS AS SPECIFIED IN AISC 341-10.
8. WHERE CLOSER THAN AISC TOLERANCES ARE NECESSARY, SUCH AS FOR ALIGNMENT OF STEEL STUDS, MULLIONS, GFRC PANELS, ETC., FIELD WELDING WILL BE REQUIRED TO MEET THE NECESSARY TOLERANCES WITH NO ADDITIONAL COSTS TO THE OWNER.
9. USE ONE TYPE OF WELDING ELECTRODE THROUGHOUT ANY ONE CONNECTION.
10. WELDING OF REINFORCING STEEL TO STRUCTURAL STEEL SHALL BE DONE BY STRUCTURAL STEEL SUB-CONTRACTOR.
11. BOLT HOLES IN STEEL SHALL BE STANDARD SIZE HOLES PER AISC UNLESS OTHERWISE NOTED.
12. IRON AND STEEL PRODUCTS PROVIDED BY THE CONTRACTOR SHALL COMPLY WITH THE AMERICAN IRON AND STEEL ACT AND ASSOCIATED REQUIREMENTS.

CONCRETE MASONRY UNIT NOTES

1. CONCRETE BLOCKS SHALL CONFORM TO REQUIREMENTS OF ASTM C90 GRADE N SPECIFICATION FOR HOLLOW LOAD BEARING NORMAL WEIGHT CONCRETE MASONRY UNITS. THE REQUIRED ULTIMATE COMPRESSIVE STRENGTH (f'm) OF THE CONCRETE BLOCK ASSEMBLY IS 2000 PSI.
2. MORTAR SHALL CONFORM TO ASTM C270 PROPORTION SPECIFICATION TYPE S OR ASTM C387, TYPE S.
3. MORTAR SHALL TEST NOT LESS THAN 1800 PSI AT 28 DAYS.
4. GROUT SHALL CONFORM TO ASTM C476
5. GROUT SHALL TEST NOT LESS THAN 2000 PSI AT 28 DAYS.
6. REINFORCEMENT SHALL BE PER ASTM A615-60. LAP ALL REINFORCING BARS 48 DIAMETERS AT SPLICES. MAINTAIN 1" MINIMUM CLEAR BETWEEN PARALLEL BARS (EXCEPT AT SPLICES), AND 1/2" CLEAR BETWEEN BAR AND ANY SURFACE OF A MASONRY UNIT.
7. ALL MASONRY BLOCK CELLS SHALL BE FILLED SOLID WITH GROUT.
8. ALL HORIZONTAL BARS SHALL BE PLACED IN BOND BEAM UNITS.
9. LAY ALL CONCRETE BLOCK UNITS IN RUNNING BOND.
10. CONCRETE MASONRY UNIT CONSTRUCTION SHALL HAVE SPECIAL INSPECTION.

CARPENTRY NOTES

1. SILLS ON CONCRETE SHALL BE PRESSURE TREATED DOUGLAS FIR LARCH 3x THICK AT ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS NOTED ON PLAN. ALL OTHER SILLS ON CONCRETE MAY BE PRESSURE TREATED DOUGLAS FIR LARCH 2x THICK. THEY SHALL BE ANCHORED WITH 5/8" DIAMETER MACHINE BOLTS WITH 7" EMBEDMENT. AT SHEAR WALLS, BOLTS SHALL HAVE NUT, CUT WASHER AND PLATE WASHER AS FOLLOWS
   A. 4" STUDS: 1/4"x3"x3" PLATE WASHER.
   B. 6" STUDS: 1/4"x3"x5" PLATE WASHER.
   C. 8" STUDS: 1/4"x3x7" PLATE WASHER.
   AT NON-SHEAR WALLS, PLATE WASHER IS NOT REQUIRED. LOCATE BOLTS 6" MINIMUM AND 12" MAXIMUM FROM EACH END OF EACH STICK AND NOT OVER 48" ON CENTER BETWEEN. SEE SHEAR WALL SCHEDULE OR PLANS FOR SPECIFIC SPACING OF ANCHOR BOLTS WHICH MAY BE NOTED AS LESS THAN 48" ON CENTER. THERE SHALL BE AT LEAST 2 BOLTS IN EACH STICK. WHERE NOTCHES FOR PIPES, ETC., EXCEED 1/3 THE WIDTH OF THE SILL, PLACE A BOLT WITHIN 6" OF EACH SIDE OF NOTCH. TIEDOWN BOLTS SHALL NOT BE CONSIDERED AS SILL BOLTS.
2. FRAMING LUMBER: DOUGLAS FIR-LARCH, MANUFACTURED AND GRADED IN ACCORDANCE WITH THE WEST COAST LUMBER INSPECTION BUREAU "STANDARD GRADING RULES NO. 17", LATEST EDITION INCLUDING ALL SUPPLEMENTS.
   - STRUCTURAL LIGHT FRAMING: NO. 1, 2" TO 4" THICK
   - BEAMS: NO. 1, FREE OF HEART CENTER, 5" AND THICKER
   - POSTS: NO. 1
   - STUDS: 2x4 OR 3x4 - CONSTRUCTION 2x6 AND LARGER - NO. 2
3. ALL FRAMING LUMBER SHALL BE SURFACED DRY (S-DRY) HAVE A MAXIMUM MOISTURE CONTENT OF 19 PERCENT AT TIME OF INSTALLATION. LUMBER USED IN WALLS AND FLOORS SHALL HAVE A MAXIMUM MOISTURE CONTENT OF 19% AT THE TIME OF CLOSURE.
4. EXTERIOR WALLS SHALL BE CONSTRUCTED OF FIRE TREATED LUMBER AND SHEATHING AND SHALL BE LABELED PER CBC 2303.2.4.
5. STUD AND POST SIZES (UNLESS OTHERWISE NOTED)
   - STUDS AT NEW EXTERIOR WALLS: 2x6 @ 16" ON CENTER
   - STUDS AT NEW INTERIOR WALLS: 2x4 @ 16" ON CENTER
   - POSTS: 4x6
6. BLOCKING AND BRIDGING - PROVIDE AS FOLLOWS:
   A. 2x SOLID BLOCKING BETWEEN JOISTS AND RAFTERS OVER SUPPORT.
   B. 2x SOLID BLOCKING BETWEEN JOISTS AND RAFTERS NOT OVER 8'-0" ON CENTER NOR MORE THAN 8'-0" FROM SUPPORT.
   C. OMIT BLOCKING BETWEEN CEILING JOISTS AND RAFTERS 2x8 AND SMALLER.
7. PIPES EXCEEDING ONE-THIRD OF THE PLATE WIDTH SHALL NOT BE PLACED IN PARTITIONS USED AS BEARING OR SHEAR WALLS, UNLESS OTHERWISE DETAILED OR COMPLETELY FURRED CLEAR OF THE STUDS. PIPES SHALL PASS THROUGH THE CENTER OF THE PLATES USING A NEATLY BORED HOLE. NO NOTCHING WILL BE ALLOWED.
8. LAG SCREWS SHALL BE SCREWED (NOT DRIVEN) INTO PLACE. DRILL HOLES SAME DIAMETER AND DEPTH AS SHANK. THEN DRILL HOLE 60-70% OF DIAMETER AT BASE OF THREAD FOR THE THREADED PORTION. USE STEEL PLATE WASHERS AS REQUIRED FOR THE SAME BOLT SIZE.
9. BOLTS IN WOOD SHALL BE MACHINE BOLTS UNLESS OTHERWISE NOTED. ALL MACHINE BOLTS SHALL HAVE CUT THREADS.
10. BOLT HOLES IN WOOD AND STEEL SHALL BE THE DIAMETER OF THE BOLT PLUS 1/16".
11. PROVIDE PLATE WASHER UNDER HEAD AND NUT OF BOLT WHERE BEARING IS AGAINST WOOD. LENGTH OF THREAD SHALL BE SUCH THAT THREADS DO NOT BEAR AGAINST WOOD. ALL NUTS SHALL BE TIGHTENED WHEN PLACED AND RE-TIGHTENED AT COMPLETION OF THE JOB IMMEDIATELY BEFORE CLOSING WITH FINISH CONSTRUCTION.
12. CONNECTORS FOR WOOD CONSTRUCTION NOTED ON PLANS AND DETAILS SHALL BE SIMPSON COMPANY STRONG-TIE CONNECTORS OR APPROVED EQUAL.
13. ALL POSTS SHALL BE FULL HEIGHT FROM FOUNDATION TO ROOF. WHERE POSTS ARE DISCONTINUOUS AT JOIST SPACE AND/OR FROM TOP OF BEAMS/HEADERS TO LOWER TOP PLATE, BLOCK THIS SPACE WITH STUD POST.
14. ALL NON-BEARING PARTITIONS SHALL HAVE DOUBLE JOISTS BELOW WHERE PARTITIONS ARE PARALLEL TO JOISTS, AND FULL DEPTH [2x] BLOCKING BELOW WHERE PARTITIONS ARE PERPENDICULAR TO JOISTS.
15. JOISTS SUPPORTING MECHANICAL EQUIPMENT SHALL BE DOUBLE JOISTS (DJ) UNLESS NOTED OTHERWISE.

SHEATHING NOTES

1. ROOF, FLOORS, ALL EXTERIOR WALLS AND INTERIOR SHEAR WALLS (WHERE NOTED ON STRUCTURAL PLANS) SHALL BE SHEATHED WITH DOUGLAS FIR SHEATHING WITH EXTERIOR GLUE AS FOLLOWS:
   - ROOF: 5/8" APA STRUCTURAL I RATED PLYWOOD, 40/20, EXPOSURE 1
   - WALLS: 1/2", APA STRUCTURAL I RATED SHEATHING, 32/16, EXPOSURE 1
2. SHEATHING MAY BE ORIENTED STRAND BOARD OR PLYWOOD UNLESS SPECIFICALLY NOTED AS PLYWOOD.
3. ALL EXTERIOR WALLS SHALL BE SHEATHED.
4. ALL SHEATHING USED STRUCTURALLY SHALL EXTEND CONTINUOUSLY BEHIND ALL FINISH. WHERE IT IS TO BE PLASTERED, IT SHALL BE PROTECTED BY AN UNBROKEN LAYER OF MOISTURE-TIGHT PAPER UNDER LATHING.
5. IN GENERAL, SHEETS SHALL BE 4'-0" x 8'-0". MINIMUM SHEET DIMENSION IS 24 INCHES, UNLESS ALL EDGES ARE FULLY SUPPORTED BY FRAMING MEMBERS OR BLOCKING. THE LONG DIMENSION MAY BE LAID EITHER HORIZONTALLY OR VERTICALLY AT WALLS. ROOF AND FLOOR SHEETS SHALL BE LAID WITH FACE PLIES ACROSS JOISTS OR FRAMING MEMBERS AND WITH END JOINTS STAGGERED 4'-0". USE PLYCLIPS HALFWAY BETWEEN EACH SUPPORT AT UNBLOCKED ROOFS. ALL SHEATHING JOINTS SHALL BE ACCURATELY CENTERED ON SUPPORTING ELEMENTS, INCLUDING BLOCKING. BLOCKING BETWEEN JOISTS FOR EDGE NAILING SHALL BE 3x4 MINIMUM FLAT BLOCKING, EXCEPT WHERE DETAILED OTHERWISE. ROOF AND FLOOR SHEATHING MAY BE UNBLOCKED. GLUE FLOOR SHEATHING TO ALL SUPPORTS INCLUDING BLOCKING WITH AN ADHESIVE RECOMMENDED BY THE AMERICAN PLYWOOD ASSOCIATION FOR THIS PURPOSE.

NAILING NOTES

1. ALL NAILS SHALL BE COMMON WIRE NAILS. WHERE NAILS TEND TO SPLIT THE WOOD, NAIL HOLES SHALL BE PRE-DRILLED.
2. PROVIDE MINIMUM NAILING REQUIREMENTS AS SET FORTH IN CALIFORNIA BUILDING CODE TABLE 2304.10.1 EXCEPT THAT BOX NAILS SHALL NOT BE USED.
3. PLYWOOD NAILING:
   - AT ROOF: 5/8" PLYWOOD WITH 10d @ 4" ON CENTER ALONG SUPPORTED PANEL EDGES AND WHERE NOTED ON PLANS AND DETAILS AS EDGE NAILING (EN) AND 10d @ 12" ON CENTER ALONG INTERMEDIATE FRAMING MEMBERS.
   - AT WALLS: SEE ROOF NAILING.
4. MAINTAIN ACCURATE NAIL SPACING AS INDICATED. NAIL SPACING CLOSER THAN SPECIFIED WILL BE CAUSE FOR REJECTION OF THE WORK.

STRUCTURAL GLUED LAMINATED MEMBER NOTES

1. ALL STRUCTURAL GLUED LAMINATED MEMBERS SHALL BE COMBINATION 24F-V4 DF/DF FABRICATED AND ERECTED IN ACCORDANCE WITH ANSI/ASTM STANDARD A190.1 AND ASTM D3737.
2. ADHESIVE SHALL BE EXTERIOR TYPE ADHESIVE MEETING REQUIREMENTS OF U.S. COMMERCIAL STANDARD PS-56 AND ASTM 2559.
3. THE FABRICATOR SHALL FURNISH AITC CERTIFICATES AND A LAMINATING REPORT TO THE STRUCTURAL ENGINEER AND THE BUILDING INSPECTION DEPARTMENT PRIOR TO FRAMING INSPECTION.

SYMBOLS AND ABBREVIATIONS

A/S2.1	SECTION A ON DRAWING S2.1	PL	PLATE
@	AT	PTN	PARTITION
&	AND	PW	STRUCTURAL PLYWOOD
°	DEGREE	PW EN	PLYWOOD EDGE NAILING
Ø OR DIA	DIAMETER		
#	NUMBER OR POUND	SAD	SEE ARCHITECTURAL DRAWING
(E)	EXISTING	SCHED	SCHEDULE
(N)	NEW	SEC	SECTION
		SHTG	SHEATHING
AB	ANCHOR BOLT	SIM	SIMILAR
ADDL	ADDITIONAL	SOG	SLAB ON GRADE
ADJ	ADJACENT	SQ	SQUARE
AFF	ABOVE FINISH FLOOR		
ALT	ALTERNATE	T&G	TONGUE & GROOVE
APPROX	APPROXIMATE	TO PW	TOP OF PLYWOOD
ARCH	ARCHITECT OR ARCHITECTURAL	TYP	TYPICAL
ATS	ANCHOR TIEDOWN SYSTEM		
ATTN	ATTENTION	UON	UNLESS OTHERWISE NOTED
BD	BOARD	VIF	VERIFY IN FIELD
BLDG	BUILDING		
BLK	BLOCK	W/	WITH
BLKG	BLOCKING	WT	WEIGHT
BM	BEAM		
BO	BOTTOM OF		
BOT	BOTTOM		
BTWN	BETWEEN		
d	PENNY		
DF	DOUGLAS FIR		
DWG(S)	DRAWING(S)		
EA	EACH		
EB	EXPANSION BOLT		
EE	EACH END		
EF	EACH FACE		
EJ	EXPANSION JOINT		
EL	ELEVATION		
ELEC	ELECTRICAL		
EMBED	EMBEDMENT		
EN	EDGE NAILING		
ENGR	ENGINEER		
EQ	EQUAL		
EQUIP	EQUIPMENT		
ES	EACH SIDE		
EXT	EXTERIOR		
FDN	FOUNDATION		
FF	FINISH FLOOR		
FIN	FINISH		
FLR	FLOOR		
FOC	FACE OF CONCRETE		
FOM	FACE OF MASONRY		
FOS	FACE OF STUD		
FS	FAR SIDE		
FT	FEET		
FTG	FOOTING		
GLM	GLUED LAMINATED		
HDR	HEADER		
HGR	HANGER		
HOR	HORIZONTAL		
HSS	HOLLOW STEEL SECTION		
LBS	POUNDS		
LG	LONG		
MAX	MAXIMUM		
MECH	MECHANICAL		
MFR	MANUFACTURER		
MIN	MINIMUM		
MISC	MISCELLANEOUS		
MTL	METAL		
NTS	NOT TO SCALE		
OSB	ORIENTED STRAND BOARD		
OC	ON CENTER		

STRUCTURAL SHEET LIST

SHEET NO.	SHEET NAME
S0.00	STRUCTURAL GENERAL NOTES
S1.00	TYPICAL REBAR AND EMBEDMENT DETAILS
S2.10	FOUNDATION AND FRIST FLOOR FRAMING PLAN
S2.11	ROOF FRAMING PLAN
S3.10	BUILDING ELEVATIONS

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SEAL

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STEPHEN R. DeLESSE
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STRUCTURAL
STATE OF CALIFORNIA

APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORPORATION YARD, BUILDING 'B', GREEN ROOM

1326 ALLSTON WAY,
BERKELEY, CA 94702

ISSUE DATE: 03.31.2025
N&T JOB NUMBER: 22016

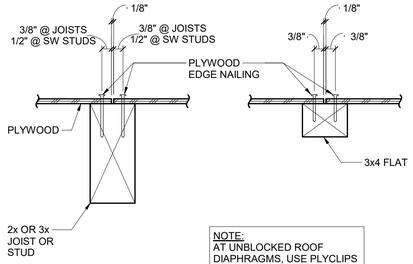
REVISIONS

	DATE	DESCRIPTION

DRAWN BY: AP CHECKED BY: SDJ

SHEET TITLE
STRUCTURAL GENERAL NOTES

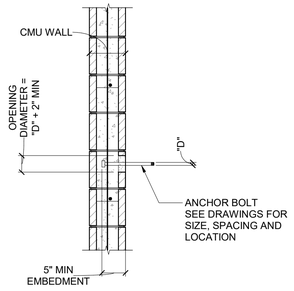
SHEET NUMBER
S0.00



NOTE:
AT UNBLOCKED ROOF DIAPHRAGMS, USE PLYCLIPS AT MID-POINT BETWEEN SUPPORTS OR USE T&G PANEL EDGES.

6 S1.00 ROOF SHEATHING NAILING DETAIL

3/4" = 1'-0"



NOTES:
1. SET ANCHOR BOLTS WITH TEMPLATE.
2. CUT BLOCK WEB/SHELL AS REQUIRED TO ALLOW PLACEMENT OF ANCHOR BOLT TO PROVIDE 1" MINIMUM GROUT ALL AROUND ANCHOR BOLT AND BLOCK.

3 S1.00 ANCHOR BOLT IN CMU DETAIL

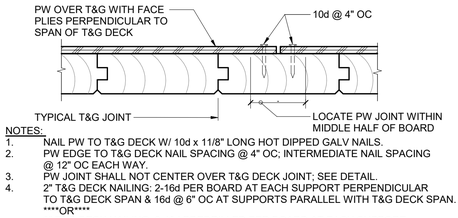
3/4" = 1'-0"

	BAR SIZE						
BAR TYPE	#3	#4	#5	#6	#7	#8	#9
TYPICAL SPLICE (48 BAR DIAMETERS)	18	24	30	36	42	28	54
BARS AT JAMBS, CORNERS, & INTERSECTIONS (72 BAR DIAMETERS)	27	36	45	54	63	72	81

NOTES:
1. SPLICE LENGTH IN INCHES.
2. MINIMUM f'm = 1500 PSI.
3. APPLIES TO VERTICAL AND HORIZONTAL BARS.

1 S1.00 REINF BAR LAP SPLICE SCHEDULE FOR CMU WALLS

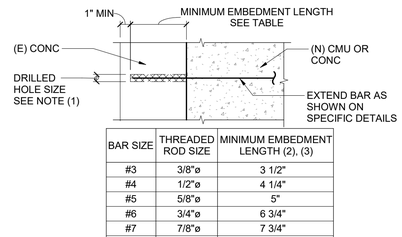
1" = 1'-0"



NOTES:
1. NAIL PW TO T&G DECK W/ 10d x 11/8" LONG HOT DIPPED GALV NAILS.
2. PW EDGE TO T&G DECK NAIL SPACING @ 4" OC; INTERMEDIATE NAIL SPACING @ 12" OC EACH WAY.
3. PW JOINT SHALL NOT CENTER OVER T&G DECK JOINT; SEE DETAIL.
4. 2" T&G DECK NAILING: 2-16d PER BOARD AT EACH SUPPORT PERPENDICULAR TO T&G DECK SPAN & 16d @ 6" OC AT SUPPORTS PARALLEL WITH T&G DECK SPAN.
   ****OR****
   3" T&G DECK NAILING: 2-40d PREDRILLED PER BOARD AT EACH SUPPORT PERPENDICULAR TO T&G DECK SPAN & 40d PREDRILLED @ 6" OC AT SUPPORTS
5. PARALLEL WITH T&G DECK SPAN. ALL T&G DECK END JOINTS SHALL BE LOCATED OVER A SUPPORT & CONTINUOUS
6. OVER INTERMEDIATE SUPPORTS. WHERE POSSIBLE, STAGGER END JOINTS OF ADJACENT BOARDS AT INTERMEDIATE SUPPORTS. AT ROOF EDGE CONDITIONS & INTERMEDIATE PARTITIONS: WHERE WALL SUPPORTS ARE PARALLEL TO T&G DECK SPAN, ALIGN FULL WIDTH T&G DECK OVER TOP PLATE, AND CONNECT WITH 16d @ 6" OC FOR 2" DECK AND 40d @ 6" OC FOR 3" T&G DECK. AT ROOF EDGE CONDITIONS, APPLY TYPICAL PW EDGE NAILING. AT INTERMEDIATE PARTITION CONDITIONS, PROVIDE 2 ROWS OF PW EDGE NAILING DIRECTLY OVER INTERMEDIATE PARTITIONS.

7 S1.00 ROOF SHEATHING TO T&G DETAIL

3/4" = 1'-0"



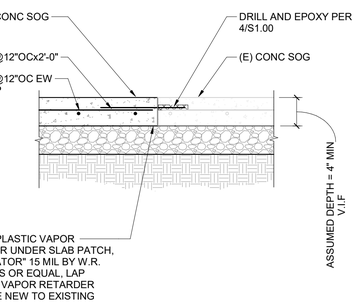
BAR SIZE	THREADED ROD SIZE	MINIMUM EMBEDMENT LENGTH (2), (3)
#3	3/8"ø	3 1/2"
#4	1/2"ø	4 1/4"
#5	5/8"ø	5"
#6	3/4"ø	6 3/4"
#7	7/8"ø	7 3/4"
#8	1"ø	9"

NOTES:
1. FOLLOW SPECIFIC MANUFACTURER GUIDELINES FOR DRILLED HOLE DIAMETER.
2. EMBEDMENT LENGTHS SHOWN ON SPECIFIC DETAILS SUPERCEDE THIS SCHEDULE.
3. ANCHOR EMBEDMENT INTO WALLS AND SLABS SHALL NOT EXCEED THICKNESS (IN DIRECTION OF DRILLING) MINUS ONE INCH.
4. SEE GENERAL NOTES/SPECIFICATIONS FOR GROUT REQUIREMENTS. SUBMIT GROUT TECHNICAL INFORMATION TO STRUCTURAL ENGINEER FOR APPROVAL.
5. THREADED RODS SHALL BE PER ASTM A193. GRADE B7.

4 S1.00 DRILL & EPOXY DETAIL

3/4" = 1'-0"

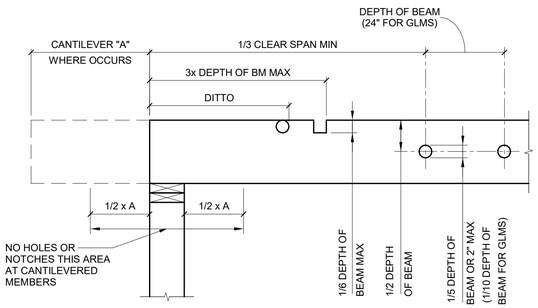
PLAN
REINF AT WALL INTERSECTIONS



8 S1.00 NEW SOG CONNECTION

1

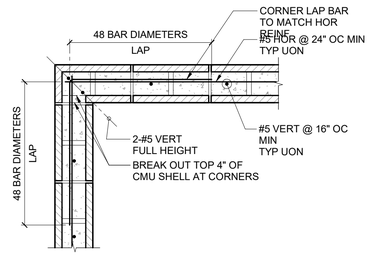
3/4" = 1'-0"



NOTES:
1. NO HOLES OR NOTCHES PERMITTED IN BOTTOM OF BEAMS OR JOISTS.
2. NO HOLES OR NOTCHES PERMITTED WHERE DEPTH OF BEAM IS 5 1/2" OR LESS. (12" FOR GLMS)
3. VERTICAL HOLES ARE NOT PERMITTED.
4. APPLY PRESERVATIVE TO HOLES IN PRESSURE TREATED WOOD.
5. THIS DETAIL APPLIES TO SOLID SAWN AND GLM WOOD MEMBERS ONLY. FOR OTHER MANUFACTURED WOOD PRODUCTS, NOTCH AND DRILL PER MANUFACTURER'S PUBLISHED INSTRUCTIONS AND LIMITATIONS.

5 S1.00 NOTCH/PENETRATION IN WOOD JOIST DETAIL

1" = 1'-0"



PLAN
REINF AT WALL CORNERS

NOTES:
1. VERTICAL BARS SHALL BE ONE LENGTH BETWEEN FLOOR/ROOF LEVELS AND PLACED IN DOUBLE OPEN ENDED BLOCK UNITS. LAP VERTICAL BARS 48 BAR DIAMETERS TYP. LAP VERTICAL EDGE BARS 72 BAR DIAMETERS TYPICAL.
2. PLACE 2-#5 VERTICAL BARS AT ALL EDGES, JAMBS, ENDS, CORNERS, ETC. TYPICAL UON ON PLANS.
3. DOWELS SHALL BE SAME SIZE AND SPACING AS VERTICAL REINFORCING.
4. HORIZONTAL BARS SHALL BE LAID IN BOND BEAM UNITS.
5. FILL ALL CELLS SOLID WITH GROUT.

(SINGLE CURTAIN OF REINFORCING)

2 S1.00 TYPICAL CMU DETAILING

3/4" = 1'-0"

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APPROVALS

PROJECT TITLE

City of Berkeley
ALLSTON CORPORATION YARD, BUILDING 'B', GREEN ROOM

1326 ALLSTON WAY,
BERKELEY, CA 94702

ISSUE DATE 03.31.2025

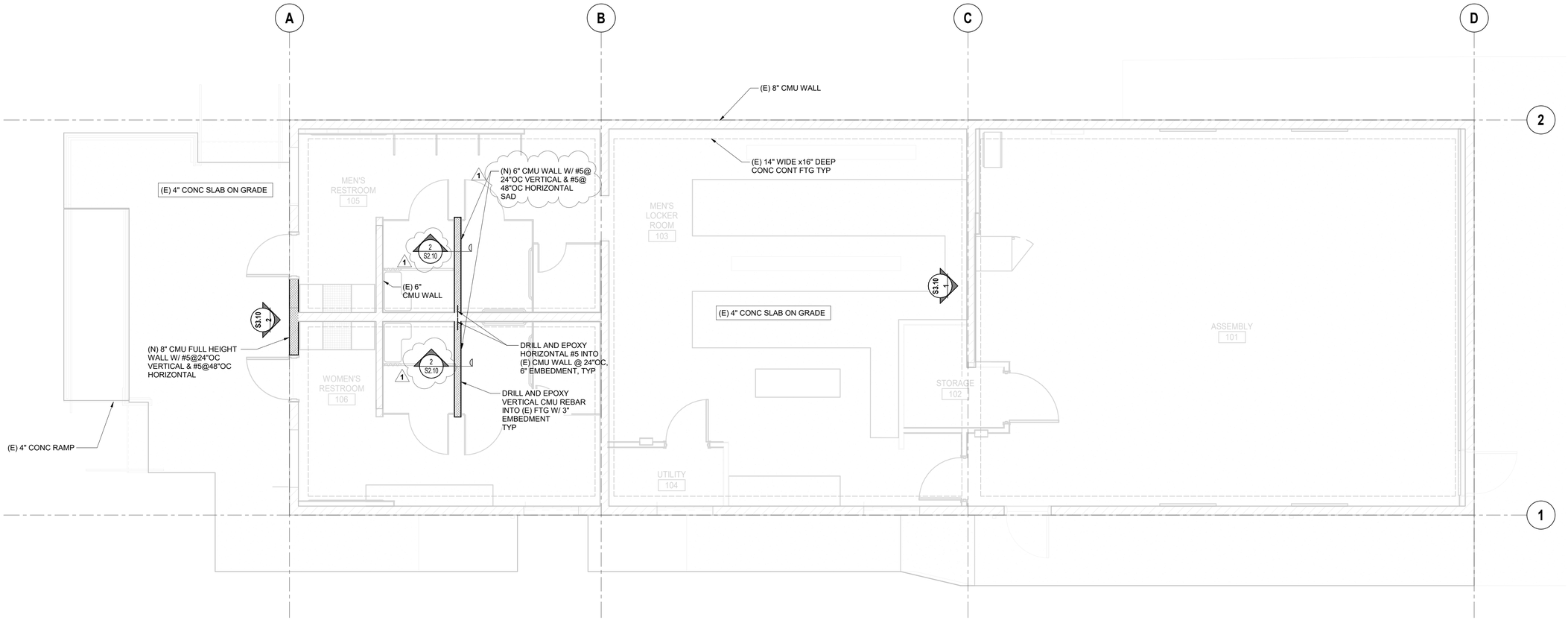
N&T JOB NUMBER 22016

REVISIONS

	DATE	DESCRIPTION
1	01.20.23	PLAN CHECK 1

SHEET TITLE
TYPICAL REBAR AND EMBEDMENT DETAILS

SHEET NUMBER
S1.00



1/S2.10 FOUNDATION AND FIRST FLOOR FRAMING PLAN

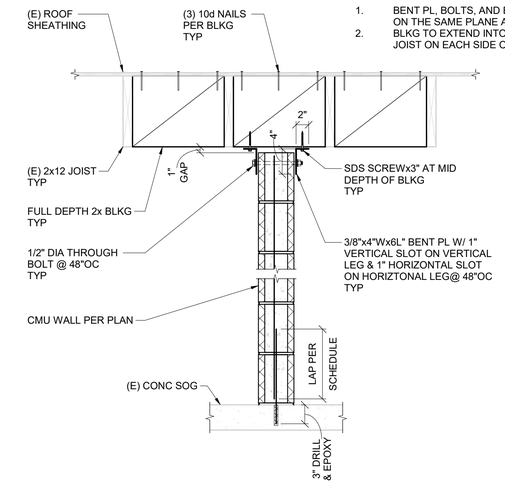
1/4" = 1'-0"

0 2' 4' 8'

N

NOTES:

1. BENT PL, BOLTS, AND BLKG ALL OCCUR ON THE SAME PLANE AND SPACING.
2. BLKG TO EXTEND INTO A MINIMUM OF (1) JOIST ON EACH SIDE OF WALL.



2/S2.10 NON BEARING CMU WALL

1" = 1'-0"

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1	01.20.23	PLAN CHECK 1

DRAWN BY **AP** CHECKED BY **SDJ**

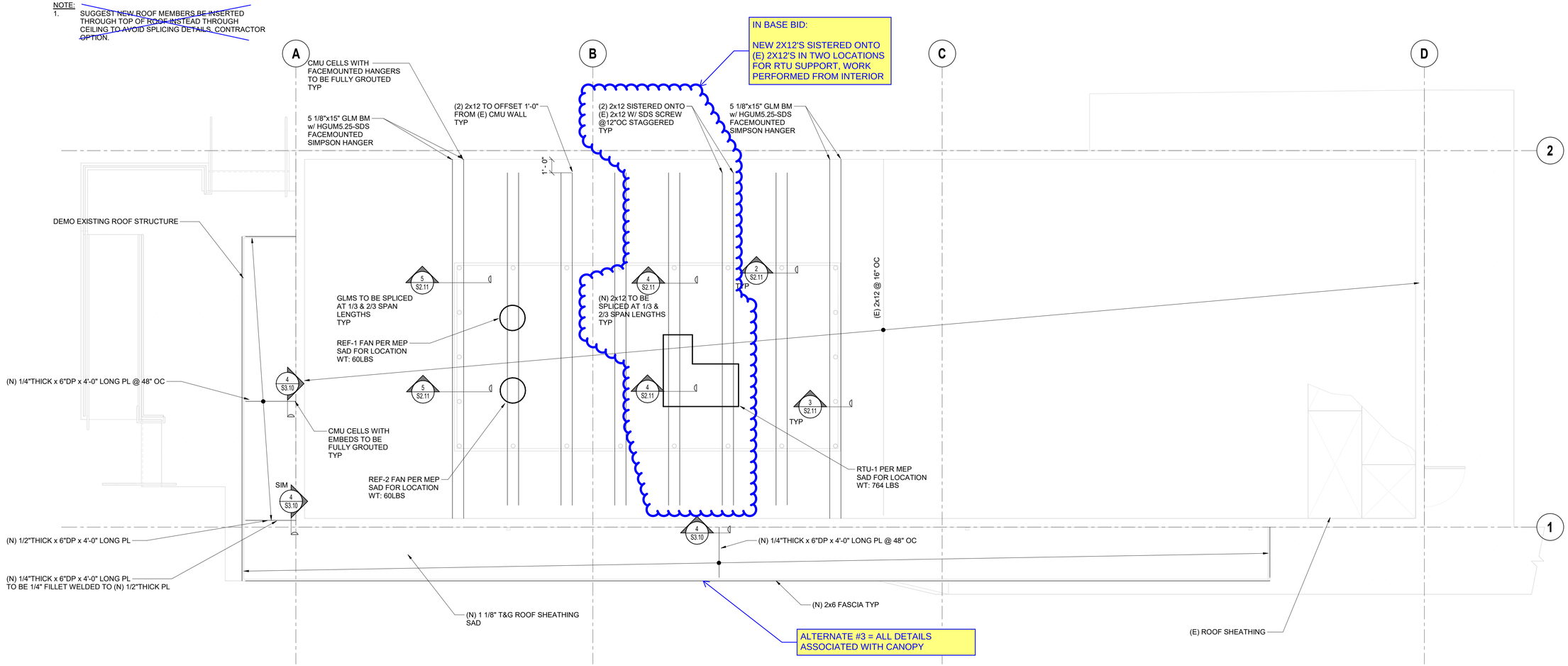
SHEET TITLE

FOUNDATION AND FRIST FLOOR FRAMING PLAN

SHEET NUMBER

S2.10

NOTE:
1. SUGGEST NEW ROOF MEMBERS BE INSERTED THROUGH TOP OF ROOF INSTEAD THROUGH CEILING TO AVOID SPLICING DETAILS. CONTRACTOR OPTION.

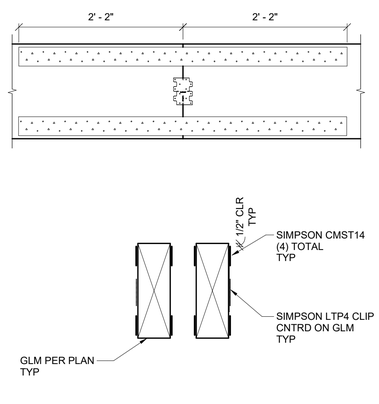


1 S2.11 ROOF FRAMING PLAN

1/4" = 1'-0"

0 2' 4' 8'

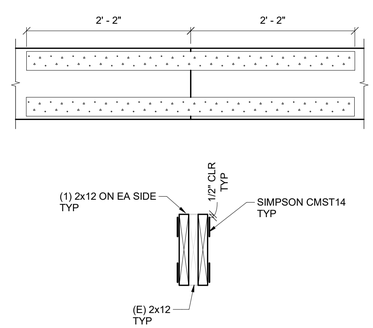
N



5 S2.11 ROOFSCREEN SUPPORT - MOMENT SPLICE - GLULAM

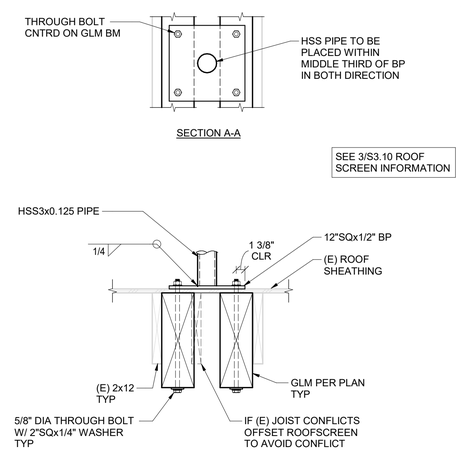
1" = 1'-0"

ALTERNATE #2 - ROOF SCREEN



4 S2.11 ROOFSCREEN SUPPORT - MOMENT SPLICE

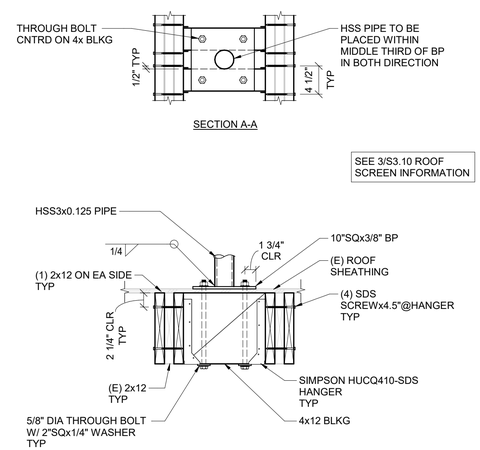
1" = 1'-0"



3 S2.11 ROOFSCREEN SUPPORT - GLULAM

1" = 1'-0"

ALTERNATE #2 - ROOF SCREEN



2 S2.11 ROOFSCREEN SUPPORT

1" = 1'-0"

ALTERNATE #2 - ROOF SCREEN

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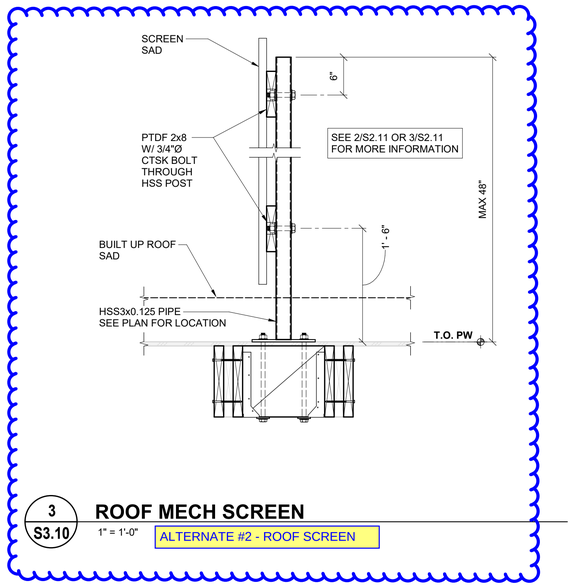
SHEET TITLE
ROOF FRAMING PLAN

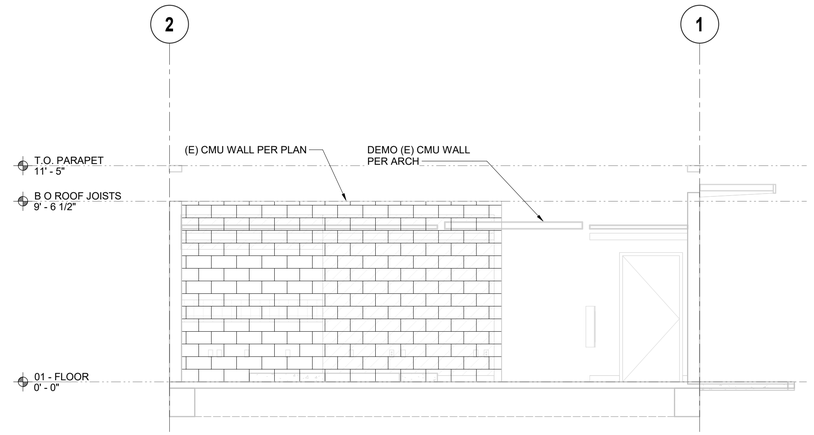
SHEET NUMBER
S2.11



3 S3.10 **ROOF MECH SCREEN**

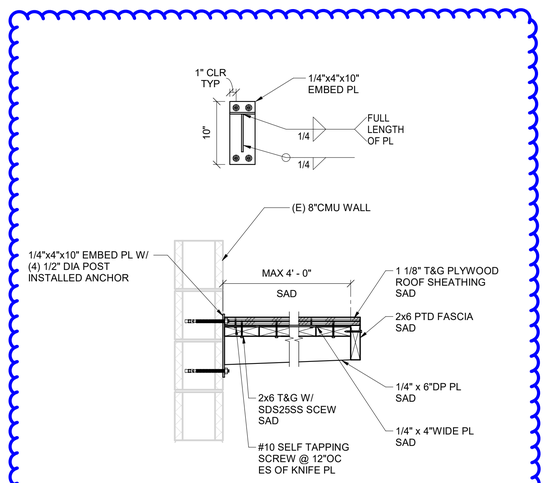
1" = 1'-0"

ALTERNATE #2 - ROOF SCREEN



1 S3.10 **INTERIOR ELEVATION ALONG GRIDLINE C**

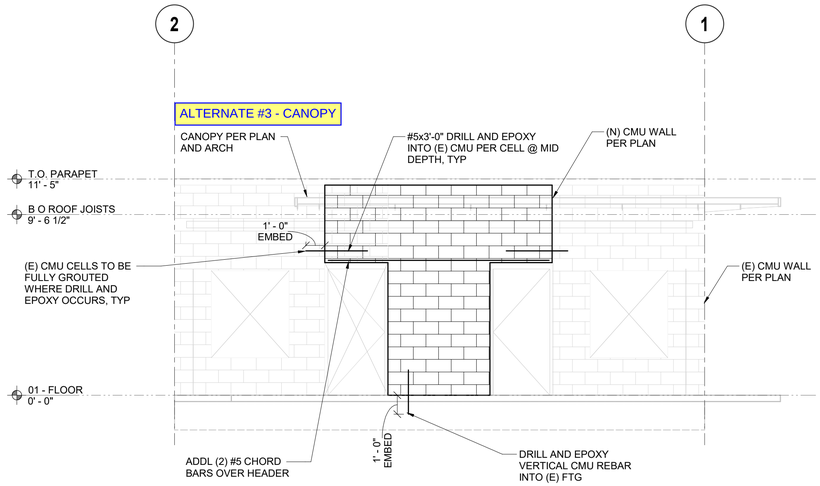
1/4" = 1'-0"



4 S3.10 **CANOPY CONNECTION**

1" = 1'-0"

ALTERNATE #3 - CANOPY



2 S3.10 **INTERIOR ELEVATION ALONG GRIDLINE A**

1/4" = 1'-0"

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SHEET TITLE
BUILDING ELEVATIONS

SHEET NUMBER
S3.10

MECHANICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING
(N)	NEW
(X)	DEMOLISH
A/C	AIR CONDITION(ED)
AFF	ABOVE FINISHED FLOOR
AHU	AIR HANDLING UNIT
B	BOILER
BHP	BRAKE HORSEPOWER
CD	CEILING DIFFUSER
CFM	CUBIC FEET PER MINUTE
CONT.	CONTINUATION
COP	COEFFICIENT OF PERFORMANCE
CRD	CEILING RADIATION DAMPER
CU	CONDENSING UNIT
DB	DRY BULB
DIA	DIAMETER
DX	DIRECT EXPANSION
EER	ENERGY EFFICIENCY RATING
EF	EXHAUST FAN
F	FAHRENHEIT
FD	FIRE DAMPER
FLA	FULL LOAD AMPS
FT	FEET
HP	HORSEPOWER
ID	INSIDE DIAMETER
IN	INCHES
KW	KILOWATT
LBS.	POUNDS
MAX	MAXIMUM
MBH	THOUSAND BTU'S PER HOUR
MIN	MINIMUM
OA	OUTSIDE AIR
OBD	OPPOSED BLADE DAMPER
OSA	OUTSIDE AIR
RPM	REVOLUTIONS PER MINUTE
S	GALVANIZED SPIRAL DUCT
SEER	SEASONAL ENERGY EFFICIENCY RATING
T, TEMP	TEMPERATURE
V	VOLT
VFD	VARIABLE FREQUENCY DRIVE
W	WATT

Control Symbols

T AC-1 ROOM THERMOSTAT

Dampers

CRD CRD CRD CEILING RADIATION DAMPER

FD FD FIRE DAMPER

FSD FSD FIRE/SMOKE DAMPER

VOLUME DAMPER

Diffusers and Grilles

EXHAUST AIR

RETURN AIR

RETURN/EXHAUST AIR FLOW

SUPPLY AIR

SUPPLY AIR FLOW

Ductwork Fittings

CONCENTRIC SQUARE TO ROUND

DUCTWORK TO BE DEMOLISHED

FLEX DUCT

FLEXIBLE CONNECTION

MITERED ELBOW WITH TURNING VANES

RADIUSED ELBOW

RECTANGULAR DUCT DROP

RECTANGULAR DUCT RISER

ROUND DUCT DROP

ROUND DUCT RISER

General

DEMOLISH

EXISTING WORK

NEW WORK

CONTINUATION

X / X DETAIL NUMBER AND SHEET LOCATION

XX-X LOCATION EQUIPMENT IDENTIFICATION

X FIXTURE TAG (LEVEL BELOW FIXTURE)

X KEYED NOTE

POINT OF CONNECTION

A / XXX SECTION NUMBER AND SHEET LOCATION

SHEET INDEX

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MECHANICAL COVER SHEET

SHEET NUMBER

M0.1

PACKAGED HEAT PUMP UNIT SCHEDULE

TAG	MANUFACTURER	MODEL	NOMINAL TONNAGE	COOLING CAP. @ 95° AMB.		HEATING MBH	HEATING COP	ELECTRIC REHEAT Kw	SUPPLY AIR		ELECTRICAL			MAX. WT. (LBS)	EER/IEER @ ARI	OSA	REMARKS
				TOTAL MBH	SENSIBLE MBH				CFM	ESP	VOLT/PH	MCA	MOCP				
RTU-1	CARRIER	50FCQM07A3A5-0A0A0	6	74.32	74.32	62.25	3.6	7.9	2,400	.75	208/3	58	60	764	11.2/15	1413	1,2,3,4,5,6,7,8

NOTES:
1. INSTALL UNITS PER MANUFACTURER'S INSTRUCTIONS UNLESS OTHERWISE NOTED ON PLANS OR DETAILS.
2. ELECTRICAL CONTRACTOR IS TO PROVIDE CONVENIENCE OUTLETS WHERE REQUIRED (SEE ELECTRICAL PLANS).
4. PROVIDE T-24 COMPLIANT THERMOSTATS AND CO2 SENSOR FOR FRESH AIR ECONOMIZER DEMAND VENTILATION CONTROL.
4. PROVIDE 2" MERV-13 FILTER.
5. INSTALL MANUFACTURER'S PROVIDED ROOF CURB.
6. PROVIDE OUTSIDE AIR HOOD AND FRESH AIR ECONOMIZER.
7. CONDENSATE BY PLUMBING CONTRACTOR.
8. PROVIDE DUCT SMOKE DETECTOR PER CMC 609.0.

FAN SCHEDULE

SYMBOL	MANUFACTURER	MODEL	AREA SERVED	TYPE	DRIVE	CFM	RPM	T.S.P. (IN.H2O)	SOUND (SONES)	MAX. WT. (LBS)	ELECTRICAL		CONTROL	REMARKS
											VOLT/PH	HP		
REF-1	GREENHECK	G-98-B	RESTROOM	ROOFTOP	DIRECT	420	1140	0.3	5.9	60	115/1	1/6	TIME CLOCK	1,2,3,5,6
REF-2	GREENHECK	G-98-B	RESTROOM	ROOFTOP	DIRECT	320	1140	0.460	5.6	60	115/1	1/6	TIME CLOCK	1,2,3,5,6
REF-3	GREENHECK	G-99-VG	LOCKER	ROOFTOP	DIRECT	673	1285	0.460	8.3	61	115/1	1/4	TIME CLOCK	1,2,3,5,6

NOTES
1. PROVIDE WITH BACKDRAFT DAMPER.
2. MOUNT TIME CLOCK IN JANITORS CLOSET.
3. INSTALL PER MANUFACTURERS REQUIREMENTS AND RECOMMENDATIONS.
4. THERMAL OVERLOAD PROTECTION
5. STARTER AND DISCONNECT BY ELECTRICAL
6. PROVIDE FACTORY CURB.

AIR DISTRIBUTION SCHEDULE

SYMBOL	MFGR.	MODEL	BORDER	REMARKS
S1	TRUAIRE	A520	T-BAR	T-BAR LAYIN, 4-WAY MODULAR CORE, ALUMINUM SUPPLY GRILLE .PRISTINE WHITE FINISH. SEE DRAWINGS FOR SIZE. 4-WAY THROW UNLESS OTHERWISE NOTED ON DRAWINGS.
S2	TRUAIRE	220	SURFACE	SURFACE MOUNTED, DOUBLE DEFLECTION GRILLE, ALUMINUM SUPPLY GRILLE .PRISTINE WHITE FINISH. SEE DRAWINGS FOR SIZE.
EG1	TRUAIRE	A960	TBAR	T-BAR LAYIN EGG CRATE FACE, ALUMINUM GRILLE. PRISTINE WHITE,SEE DAWINGS FOR SIZE
EG2	TRUAIRE	A960	SURFACE	SURFACE MOUNTED EGG CRATE FACE, ALUMINUM GRILLE. PRISTINE WHITE,SEE DAWINGS FOR SIZE
R1	TRUAIRE	A960	SURFACE	SURFACE MOUNTED EGG CRATE FACE, ALUMINUM GRILLE. PRISTINE WHITE,SEE DAWINGS FOR SIZE

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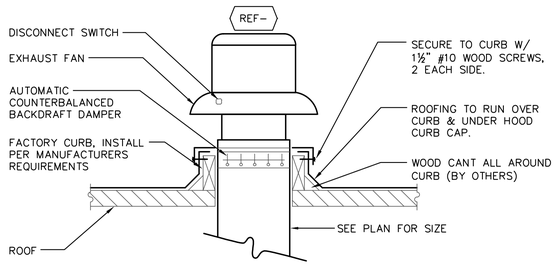
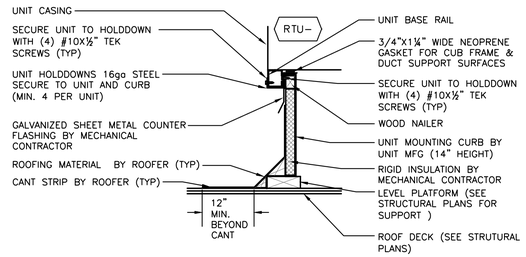
MECHANICAL EQUIPMENT SCHEDULE

SHEET NUMBER

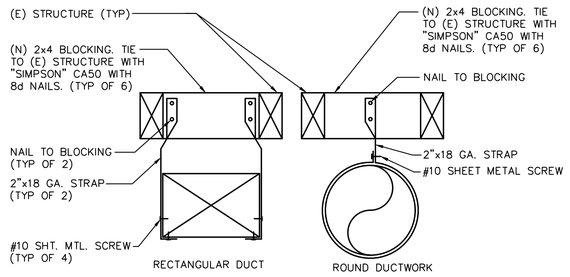
M0.2



4 ROOF MOUNTED EXHAUST FAN
NO SCALE

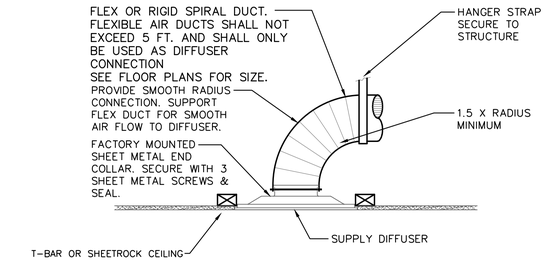


1 UNIT CURB ROOF MOUNTING
NO SCALE

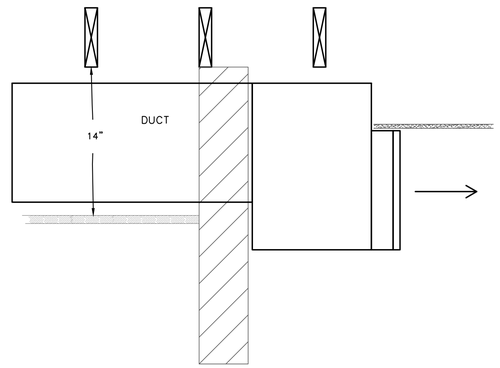


NOTES:
1. FOR DUCTS LESS THAN 6 SQ. FT. AREA OR 28"DIA. ATTACHED WITHIN 12" FROM (E) STRUCTURE.
2. FOR SEISMIC REQUIREMENT REFER TO SMACNA SEISMIC MANUAL.
3. ALL DUCT TO BE INSTALLED IN ACCORDANCE WITH 2016 CMC 603.2.

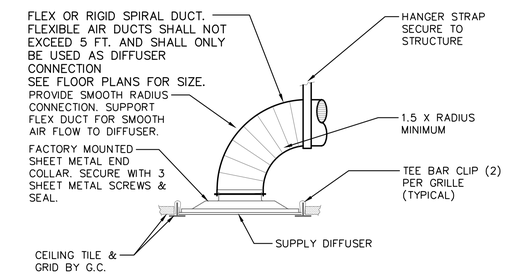
5 TYPICAL DUCT SUPPORT DETAIL
NO SCALE



2 SUPPLY GRILLE
NO SCALE



6 SIDE WALL DIFFUSER
NO SCALE



NOTE: SIMILAR FOR GYP. BOARD INSTALLATION.

3 CEILING DIFFUSER
NO SCALE

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APPROVALS

PROJECT TITLE

CITY OF BERKELEY ALLSTON CORPORATION YARD, BUILDING 'B',GREEN ROOM

1326 ALLSTON WAY BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

N&T JOB NUMBER

REVISIONS

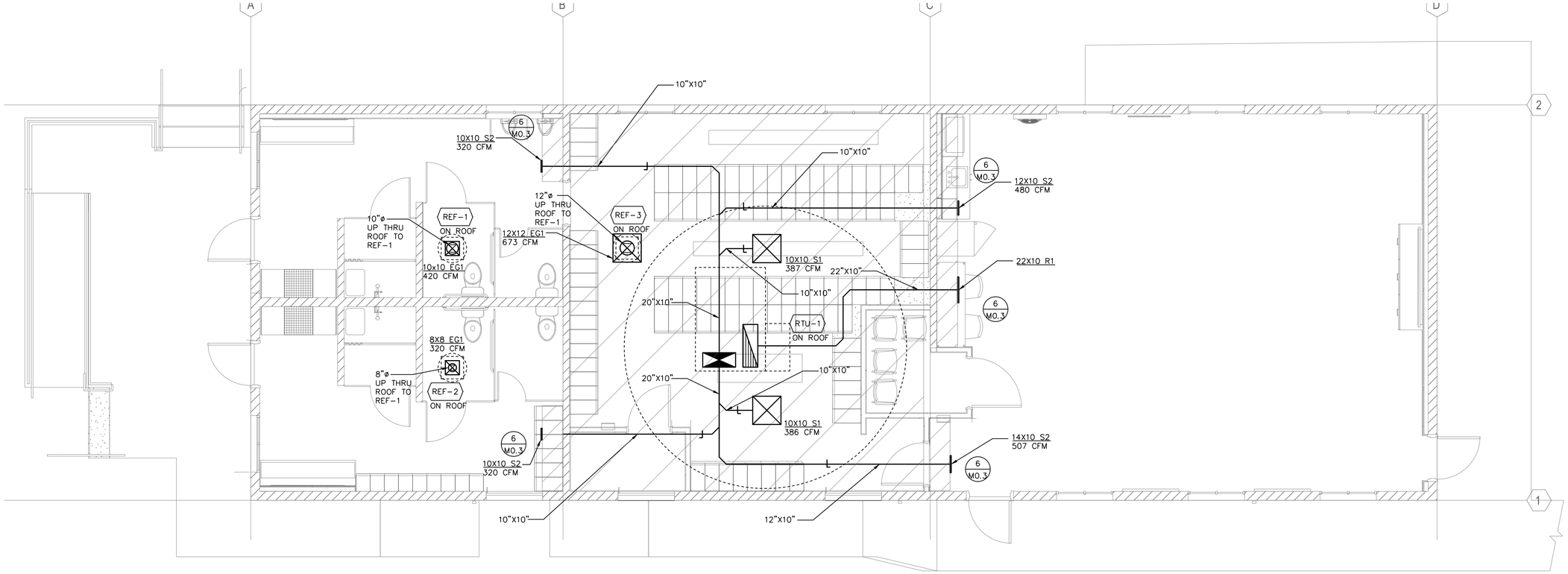
DRAWN BY | CHECKED BY

SHEET TITLE

MECHANICAL DETAILS

SHEET NUMBER

M0.3



1 GROUND FLOOR MECHANICAL PLAN

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

0 2' 4' 8'

NOLL & TAM ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

REGISTERED PROFESSIONAL ENGINEER
MICHAEL STANTON
No. M25130
Exp. 09-30-23
MECHANICAL
STATE OF CALIFORNIA

Date Signed: 8/22/22

Stanton ENGINEERING M+E

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APPROVALS

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SHEET TITLE

GROUND FLOOR MECHANICAL PLAN

SHEET NUMBER

M2.0

ELECTRICAL SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

A	AMPERES
AC	ALTERNATING CURRENT
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AIC	AVAILABLE INTERRUPTING CAPACITY
AWG	AMERICAN WIRE GAUGE
BC	BARE COPPER
C	CONDUIT
CB	CIRCUIT BREAKER
CT	CURRENT TRANSFORMER
CU	COPPER
EMT	ELECTRICAL METALLIC TUBING
F	FUSE
FBO	FURNISHED BY OTHERS
G, GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GRC	GALVANIZED RIGID STEEL CONDUIT
KVA	KILOVOLT AMPERES
KW	KILOWATT
LED	LIGHT EMITTING DIODE
M	MOTOR
MCA	MINIMUM CIRCUIT AMPS
MT, MTD	MOUNT, MOUNTED
MT	EMPTY CONDUIT WITH NYLON PULL CORD
N	NEUTRAL
NEC	NATIONAL ELECTRIC CODE
NEMA	NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
NEUT	NEUTRAL
OS	OCCUPANCY SENSOR
PB	PUSHBUTTON, PULLBOX
PH	PHASE
PVC	POLY-VINYL-CHLORIDE
QTY	QUANTITY
REQD	REQUIRED
RSC	RIGID STEEL CONDUIT
S	SWITCH
SPD	SURGE PROTECTION DEVICE
TM	THERMAL MAGNETIC
TYP	TYPICAL
UON	UNLESS OTHERWISE NOTED
V	VOLTS, VOLTAGE
W/	WITH
W/O	WITHOUT
W	WIRE
WG	WIRE GUARD
WP	WEATHERPROOF
XFMR	TRANSFORMER

Connections / Equipment

- HEAVY DUTY FUSED DISCONNECT SWITCH
- JUNCTION BOX
- JUNCTION BOX WITH FLEX CONNECTION TO EQUIPMENT
- WALL-MOUNTED JUNCTION BOX
- MOTOR CONNECTION
- TRANSFORMER

General

- DETAIL NUMBER AND SHEET LOCATION
- KEYED NOTE

Lighting

- AREA LUMINAIRE POLE TOP MOUNTED WITH POLE AND CONCRETE BASE
- SURFACE OR PENDANT MOUNTED 1' X 4' LUMINAIRE
- SURFACE OR PENDANT MOUNTED STRIPLIGHT
- WALL MOUNTED LUMINAIRE

Miscellaneous

- #10 / B-27,29,31. — BRANCH CIRCUIT WIRING. ARROW INDICATES HOME RUN TO PANEL WITH CIRCUITS AS NOTED. WIRE SIZE IS #12 AWG MINIMUM UNLESS NOTED OTHERWISE. SHORT TICK MARKS INDICATE PHASE CONDUCTORS. LONG TICK MARKS INDICATE NEUTRAL CONDUCTORS. A SINGLE CURVED TICK MARK INDICATES INSULATED GREEN GROUND CONDUCTOR. SECOND CURVED TICK MARK INDICATES "ISOLATED GROUND" (GREEN INSULATION WITH YELLOW STRIPE) CONDUCTOR.
- BRANCH PANEL
- CIRCUIT BREAKER
- DRY TYPE TRANSFORMER
- GROUND ROD
- GROUNDING POINT
- LANDING LUG
- METER WITH CONNECTION
- WALL MOUNTING BRACKET

Raceways

- CONDUIT CONCEALED IN WALL OR CEILING SPACE
- CONDUIT ROUTED BELOW FLOOR / GRADE
- CONDUIT ELLED DOWN
- CONDUIT ELLED UP
- CONDUIT/WIRING CONTINUATION
- CONDUIT/WIRING STUBBED OUT WITH END CAP OR INSULATED PLASTIC BUSHING
- FLEXIBLE CONDUIT
- PULL BOX

Switches and Receptacles

- DUPLEX RECEPTACLE (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
  - A = ABOVE COUNTER
  - B = CLOCK HANGER
  - C = FLUSH CEILING MOUNTED
  - E = EMERGENCY
  - F = ARC FAULT PROTECTED BY BREAKER IN PANEL
  - G = GROUND FAULT CIRCUIT INTERRUPTER
  - H = HOSPITAL GRADE
  - K = CHILD RESISTANT COVER
  - L = ISOLATED GROUND
  - P = PENDANT MOUNTED WITH CORD GRIPS. VERIFY PENDANT LENGTH
  - S = SPLIT WIRED
  - T = TAMPER RESISTANT SHUTTERED RECEPTACLE
  - W = WEATHERPROOF CONTINUOUS USE COVER, GFCI PROTECTED, WITH WEATHER-RESISTANT RECEPTACLE
  - ? = DESIGNER DEFINED
- DOUBLE DUPLEX RECEPTACLE. SEE LETTER CODE LIST AT DUPLEX RECEPTACLE FOR OPTIONS
- CEILING MOUNTED OCCUPANCY SENSOR DUAL TECHNOLOGY
- CEILING MOUNTED OCCUPANCY SENSOR WITH DAYLIGHTING CONTROL
- PHOTO ELECTRIC SWITCH
  - D = CONTINUOUS DIMMING PHOTOCELL
  - S = SWITCHED PHOTOCELL
- SINGLE POLE SWITCH
  - 2 = DOUBLE POLE SWITCH
  - 3 = THREE-WAY SWITCH
  - 4 = FOUR-WAY SWITCH
  - a THRU z (LOWERCASE) = LUMINAIRE CONTROL DESIGNATION
  - D = DIMMER
  - F = FAN SPEED CONTROL
  - K = KEY OPERATED SWITCH
  - L = LIGHTED HANDLE
  - M = MANUAL MOTOR STARTER WITH THERMAL OVERLOAD
  - OC= OCCUPANCY SENSOR
  - P = SWITCH WITH PILOT LIGHT
  - S = SENTRY SWITCH
  - T = INTERVAL TIMER
  - W = WEATHERPROOF SWITCH
  - V = LOW VOLTAGE SWITCH
  - ? = DESIGNER DEFINED SWITCH

Telecommunications

- RACEWAY ONLY DATA OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE OR DOUBLE GANG ADAPTER PLATE (VERIFY) WITH 1" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. SEE LETTER CODE LIST AT DATA/TELEPHONE OUTLET FOR OPTIONS.
- RACEWAY ONLY DATA/TELEPHONE OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE OR DOUBLE GANG ADAPTER PLATE (VERIFY) WITH 1" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE.
  (MULTIPLE LETTERS INDICATE MULTIPLE OPTIONS)
  - A = ABOVE COUNTER
  - C = CEILING MOUNTED ABOVE ACCESSIBLE CEILING
  - F = FLUSH CEILING MOUNTED
  - R = SURFACE MOUNTED ON RACEWAY
- RACEWAY ONLY TELEPHONE OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE OR DOUBLE GANG ADAPTER PLATE (VERIFY) WITH 3/4" C. AND PULLSTRING TO ACCESSIBLE CEILING SPACE. SEE LETTER CODE LIST AT DATA/TELEPHONE OUTLET FOR OPTIONS.

SHEET INDEX

NOLL & TAM ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

REGISTERED PROFESSIONAL ENGINEER — NATHAN A. HEARN — No. E 23927 — 3-31-2024 — ELECTRICAL — STATE OF CALIFORNIA — 8/7/2023

Date Signed: 8/7/23

Stanton ENGINEERING M+E

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APPROVALS

PROJECT TITLE

CITY OF BERKELEY ALLSTON CORPORATION YARD, BUILDING 'B',GREEN ROOM

1326 ALLSTON WAY BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

N&T JOB NUMBER

REVISIONS

1	01-10-23	PLAN CHECK COMMENTS
2	02-23-23	PLAN CHECK COMMENTS

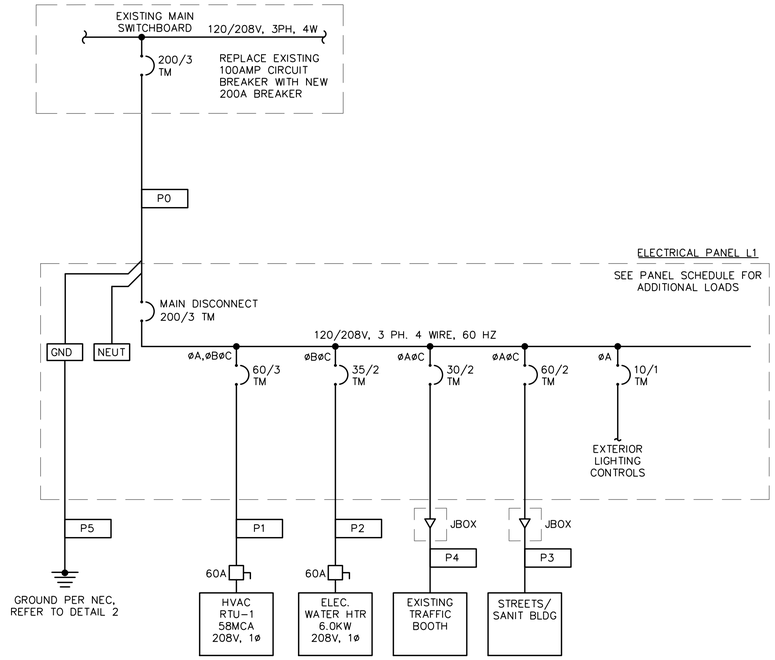
DRAWN BY JRC | CHECKED BY DA

SHEET TITLE

ELECTRICAL COVER SHEET

SHEET NUMBER

E0.1



1 ELECTRICAL ONE-LINE DIAGRAM
NO SCALE

POWER CONDUIT & WIRE ROUTING SCHEDULE

ID	CONDUIT NO AND SIZE	CONDUCTORS PER CONDUIT NO AND SIZE	FROM	TO	REMARKS
P0	1 2" RGS	4 #3/0 CU PWR 1 #6 CU GND	EXISTING MAIN SWITCHBOARD	PANEL 'L1'	PWR: 120/240VAC, 3 PH
P1	1 3/4" PVC	3 #6 CU PWR 1 #10 CU GND	PANEL 'L1'	RTU-1	PWR: 240VAC, 3 PH
P2	1 3/4" PVC	2 #10 PWR 1 #10 GND	PANEL 'L1'	ELECTRIC WATER HEATER	PWR: 240VAC, 1 PH
P3	1 2" RGS/PVC	3 #6 CU PWR 1 #10 CU GND	PANEL 'L1'	STREETS/SANIT BUILDING	PWR: 120/240VAC, 1 PH
P4	1 3/4" PVC	2 #10 PWR 1 #10 GND	PANEL 'L1'	VEHICLE BOOTH TERMINAL BOX	PWR: 120/240VAC, 1 PH
P5	1 1/2" RGS	1 #6 GND	PANEL 'L1'	PER NEC, SEE DETAIL 2	N/A

PROJECT: BERKELEY GREEN ROOM

PANEL L1

POLE	LOAD TYPE	LOAD DESCRIPTION	LOAD kVA	C.B. AMP	C.B. POLE	A	B	C	C.B. AMP	C.B. POLE	LOAD kVA	LOAD DESCRIPTION	LOAD TYPE	POLE
1	R	RECEPTACLE - ASSEMBLY	0.72	20	1	o			20	1	0.59	LIGHTING - RESTROOM/LOCKERS	L	2
3	R	RECEPTACLE - ASSEMBLY	0.54	20	1		o		20	1	0.71	LIGHTING - ASSEMBLY	L	4
5	R	RECEPTACLE - ASSEMBLY	0.54	20	1			o	20	1	0.14	LIGHTING - EXTERIOR	L	6
7	R	RECEPTACLE/D.F. - ASSEMBLY	0.80	20	1	o			15	1	0.10	LIGHTING CONTROL	O	8
9	R	RECEPTACLE - WORKSTATION	0.36	20	1		o		20	2	1.00	PARKING LOT LIGHTING	L	10
11	R	RECEPTACLE - KITCHEN	0.36	20	1			o	-	-	1.00	"	L	12
13	R	RECEPTACLE - KITCHEN	0.36	20	1	o			20	1	0.92	HAND DRYER	O	14
15	R	RECEPTACLE - MPOE/DATA	0.36	20	1		o		20	1	0.92	HAND DRYER	O	16
17	R	RECEPTACLE - RESTROOM/EXHAUST FAN	1.42	20	1			o	20	1		SPARE		18
19	M	EXHAUST FANS	1.39	20	1	o						BUSSED SPACE		20
21	O	DRYING RACK	1.00	20	1		o					"		22
23	O	DRYING RACK	1.00	20	1			o				"		24
25	O	STREETS/SANIT BLDG	3.50	60	2	o						"		26
27	O	"	3.50	"	"		o					"		28
29		BUSSED SPACE						o	30	2	0.50	TRAFFIC BOOTH - ESTIMATED LOAD	O	30
31		"				o			"	"	0.50	"	O	32
33		"					o		30	2	2.25	WATER HEATER	O	34
35		"						o	"	"	2.25	" "	O	36
37		"				o			60	3	6.90	HVAC - RTU	M	38
39		"					o		"	"	6.90	"	M	40
41		"						o	"	"	6.90	"	M	42

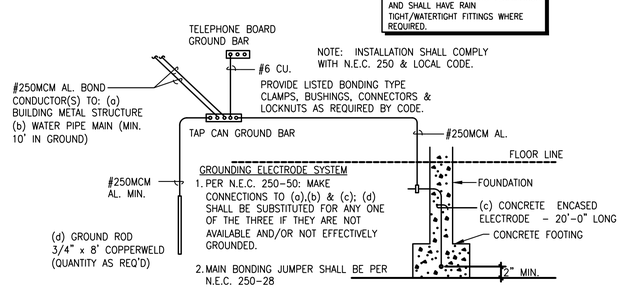
	CONN. LOAD (kVA)	DEMAND FACTOR *	DEMAND LOAD (kVA)	
LIGHTING (L):	3.4	1.25	4.3	L
RECEPTACLE (R):	5.5	NEC	5.5	R
MOTOR (M):	22.1	NEC	27.6	M
OTHER (O):	16.4	1.00	16.4	O
	47.4 kVA		53.8	**kVA**
VOLTAGE: 208/120V, 3P, 4W	131.7 A		149.4	**A**
MAINS:				
MIN. BUS SIZE: 225 A				

*SEE NEC FOR APPLICABLE DEMAND FACTORS

CONNECTED LOAD SUMMARY:

PH	KVA	A
A	15.8	131.5
B	17.5	146.2
C	14.1	117.6

SERVICE RACEWAYS, WIREWAYS, AND CONNECTORS SHALL BE LISTED FOR GROUNDING AND BONDING TERMINATIONS AND SHALL HAVE RAIN TIGHT/WATERTIGHT FITTINGS WHERE REQUIRED.



2 GROUNDING DETAIL
NO SCALE

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729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

REGISTERED PROFESSIONAL ENGINEER NATHAN A. HEATH No. E 23927 3-31-2024 ELECTRICAL STATE OF CALIFORNIA 8/7/2023

Date Signed: 8/7/23

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APPROVALS

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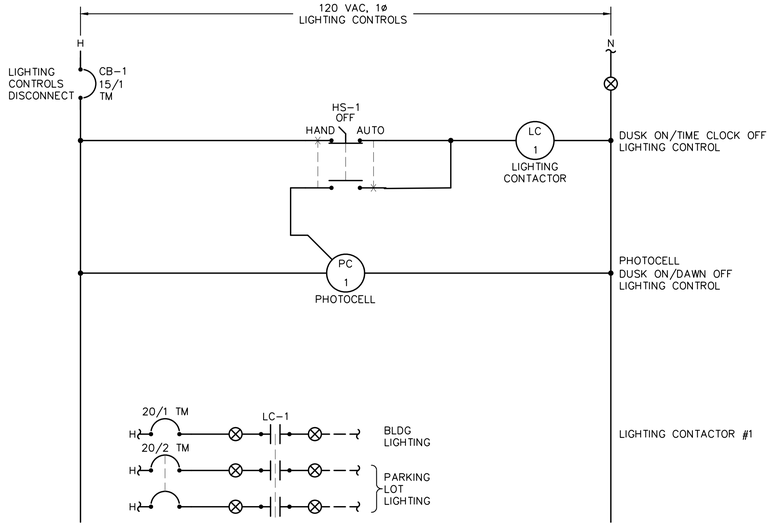
DRAWN BY JRC CHECKED BY DA

SHEET TITLE

ELECTRICAL ONE-LINE DIAGRAM

SHEET NUMBER

E0.2



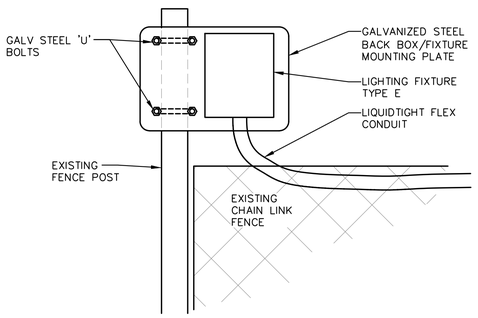
1 LIGHTING CONTROL WIRING DIAGRAM

NO SCALE

LANDSCAPE/SIGN LIGHTING EQUIPMENT LIST		
TAG	EQUIPMENT	MANUFACTURER/MODEL
PC-1	PHOTOCELL	INTERMATIC / ELC4536/K121 OR EQUAL
TC-1	TIME CLOCK (24/7 ASTRONOMIC DIAL)	INTERMATIC / ET-2815C OR EQUAL
HS-1	SELECTOR SWITCH (3-POSITION)	SQUARE D / CLASS 9001K OR EQUAL
LC-1	LIGHTING CONTACTOR (3-POLE, 30 AMP)	SQUARE D / CLASS 8903, TYPE L OR EQUAL
CB-1	MINATURE CIRCUIT BREAKER (15 AMP, 120 VAC)	SQUARE D / QOB OR EQUAL

2 EXTERIOR LIGHTING CONTROL WIRING DIAGRAM

NO SCALE



3 FIXTURE MOUNTING DETAIL

NO SCALE

LIGHTING FIXTURE SCHEDULE

TAG	DESCRIPTION	MANUFACTURER	LAMPS	WATTS	COLOR	MOUNTING	NOTES
A.	2'x2' RECESSED TROFFER, 0-10V DIMMING, 4000K COLOR TEMP. 80CRI	LITHONIA ENVX 2X2 HRG 4000LM 80CRI 40K DARK ZT 120 LATC	LED	36	4K	T-BAR	
B4.	4' SURFACE MOUNTED DIRECT, 4000K COLOR TEMP. ACRYLIC LENS, ALUMINUM END CAPS	LITECONTROL 67L-W-D-4-4-SQ-C1-40K-D080-NDM-1C-UNV	LED	24	4K	WALL	
B6.	MATCH TYPE B4 EXCEPT 6' LONG	LITECONTROL 67L-W-D-6-6-SQ-C1-40K-D080-NDM-1C-UNV	LED	36	4K	WALL	
B8.	MATCH TYPE B4 EXCEPT 8' LONG	LITECONTROL 67L-W-D-8-8-SQ-C1-40K-D080-NDM-1C-UNV	LED	48	4K	WALL	
C.	24" WRAP-A-ROUND	LITHONIA BLWP2 20L ADP 120 LP840	LED	16	4k	WALL	
D.	WALL PACK, 90 MINUTE BATTERY BACKUP. DARK BRONZE	LITHONIA WDGE2 LED P3 30K 80CRI VF MVOLT SRM DDBXD E20WC	LED	32	3K	WALL	
D1.	WALL PACK, DARK BRONZE	LITHONIA WDGE2 LED P3 30K 80CRI VF MVOLT SRM DDBXD	LED	32	3K	WALL	
E	WALL PACK, ALO3, DARK BRONZE	LITHONIA WPX0 LED ALO SWW2 MVOLT PE DDBXD	LED	9.2	3K	BACKBOX	
X.	EXIT SIGN WITH EMERGENCY LIGHTING AND 90 MINUTE BATTERY PACK, WHITE HOUSING, RED LETTERS, ARROWS AS REQUIRED.	LITHONIA LHQM LED P M6	LED	4.3W		CEILING CANOPY	1
X1	EMERGENCY LIGHTING UNIT, 2 HEAD, WHITE HOUSING. 90 MINUTE BATTERY PACK	LITHONIA ELM4L	LED	6.6		WALL	1
OC1	WALL SWITCH OCCUPANCY SENSOR	LITHONIA WSXA				WALL	
OC	CEILING MOUNTED PIR OCCUPANCY SENSOR	SENSOR SWITCH CMR-10				CEILING	
DL	DAYLIGHTING SENSOR	SENSOR SWITCH CMR-PC-ADC				CEILING	

NOTES:

1 CONNECTED AHEAD OF LOCAL SWITCH

2 NOT USED

GENERAL NOTES:

A. THIS LIGHTING SCHEDULE IS NOT COMPLETE WITHOUT A COPY OF THE PROJECT MANUAL CONTAINING ELECTRICAL SPECIFICATIONS.

B. SPECIFIED MANUFACTURERS ARE APPROVED TO SUBMIT BID. INCLUSION DOES NOT RELIEVE MANUFACTURER FROM SUPPLYING PRODUCT AS DESCRIBED.

C. PROVIDE SUBMITTALS THAT INCLUDE LIGHTING FIXTURE, LED, AND DRIVER INFORMATION FOR EACH FIXTURE, WITH APPLICABLE OPTIONS CLEARLY CHECKED OR HIGHLIGHTED. SUBMITTALS NOT INCLUDING THIS INFORMATION WILL BE RETURNED AS REJECTED BY THE ENGINEER OF RECORD.

D. PROVIDE COMMISSIONING OF THE LIGHTING AND LIGHTING CONTROLS IN ACCORDANCE WITH CALIFORNIA TITLE 24 COMMISSIONING REQUIREMENTS.

NOLL & TAM ARCHITECTS

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SEAL

REGISTERED PROFESSIONAL ENGINEER
NATHAN A. HEARN
No. E 23927
3-31-2024
ELECTRICAL
STATE OF CALIFORNIA
8/7/2023

Date Signed: 8/7/23

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SHEET TITLE

LIGHTING DETAILS

SHEET NUMBER

E0.3

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
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:	Green Room	**Report Page:**	**(Page 1 of 7)**
Project Address:	1326 Allston Way	**Date Prepared:**	2/27/2023

A. GENERAL INFORMATION

01	Project Location (city)	Berkeley	04	Total Conditioned Floor Area (ft²)	2,148
02	Climate Zone	3	05	Total Unconditioned Floor Area (ft²)	0
03	Occupancy Types Within Project (select all that apply):		06	# of Stories (Habitable Above Grade)	1

● Convention Center ● Support Areas ● : See Table I

B. PROJECT SCOPE

This table includes 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.

Scope of Work	Conditioned Spaces		Unconditioned Spaces	
01	02	03	04	05
My Project Consists of (check all that apply):	Calculation Method	Area (ft²)	Calculation Method	Area (ft²)
☒ New Lighting System	Area Category Method	2148	Area Category Method	0
☐ New Lighting System - Parking Garage				
Total Area of Work (ft²)	2148		0	

C. COMPLIANCE RESULTS

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

Lighting in conditioned and unconditioned spaces must not be combined for compliance per §140.6(b)1	Allowed Lighting Power per §140.6(b) (Watts)						Adjusted Lighting Power per §140.6(a) (Watts)				Compliance Results
	01	02	03	04	05		06	07		08	09
	Complete Building §140.6(c)1	Area Category §140.6(c)2	Area Category Additional §140.6(c)2G (+)	Tailored §140.6(c)3 (+)	**Total Allowed** (Watts)	=	Total Designed (Watts)	Adjustments PAF Lighting Control Credits §140.6(a)2 (-)	=	**Total Adjusted** (Watts) *Includes Adjustments	**05 must be >= 08 §140.6**
	(See Table I)	(See Table I)	(See Table J)	(See Table K)			(See Table F)	(See Table P)			
Conditioned		1,427	0		1,427	≥	1,292	0	=	1292	COMPLIES
Unconditioned						=			=		

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

CA Building Energy Efficiency Standards - 2019 Nonresidential Compliance — Report Version: 2019.1.003 Schema Version: rev 20200601 — Report Generated: 2023-02-27 13:50:14

STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Green Room	**Report Page:**	**(Page 2 of 7)**
Project Address:	1326 Allston Way	**Date Prepared:**	2/27/2023

C. COMPLIANCE RESULTS

Controls Compliance (See Table H for Details)	COMPLIES
Rated Power Reduction Compliance (See Table Q for Details)	

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

F. INDOOR LIGHTING FIXTURE SCHEDULE

This table includes all permanent designed lighting and all portable lighting in offices.

Designed Wattage: Conditioned Spaces

01	02	03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description	Modular (Track) Fixture	Small Aperture & Color Change[1]	Watts per luminaire[2]	How is Wattage determined	Total Number of Luminaires	Excluded per §140.6(a)3	Design Watts	Field Inspector	
									Pass	Fail
A	Type A	No	No	36	Mfr. Spec	25	No	900	☐	☐
B4	Type B4	No	No	24	Mfr. Spec	4	No	96	☐	☐
B6	Type B6	No	No	36	Mfr. Spec	2	No	72	☐	☐
B8	Type B8	No	No	48	Mfr. Spec	4	No	192	☐	☐
C	Type C	No	No	16	Mfr. Spec	2	No	32	☐	☐
							Total Designed Watts: CONDITIONED SPACES	1,292		

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

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

G. MODULAR LIGHTING SYSTEMS

This section does not apply to this project.

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Green Room	**Report Page:**	**(Page 3 of 7)**
Project Address:	1326 Allston Way	**Date Prepared:**	2/27/2023

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

*This table includes lighting controls for conditioned and unconditioned spaces. When a control having a * is shown, the notes section of this table provides more detail on how compliance is achieved. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Building Level Controls

01	02	03	
Mandatory Demand Response §110.12(c)	Shut-off controls §130.1(c)	Field Inspector	
		Pass	Fail
Not Required <= 10,000 SF	Whole Building Auto Time Switch	☐	☐

Area Level Controls

04	05	06	07	08	09	10	11	12	
Area Description	Complete Building or Area Category Primary Function Area	Area Controls §130.1(a)	Multi-Level Controls §130.1(b)	Shut-Off Controls §130.1(c)	Primary/Skylit Daylighting §130.1(d)	Secondary Daylighting §140.6(d)	Interlocked Systems §140.6(a)1	Field Inspector	
								Pass	Fail
Assembly	Convention, Conference, Multipurpose and Meeting Center Areas	Manual ON/OFF	Dimmer	Occupancy Sensor	Included	Included A	No	☐	☐
Storage	All Other Space Types	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐
Mens Locker Room	Locker Dressing Room	Manual ON/OFF	Dimmer	Occupancy Sensor	N/A	N/A	No	☐	☐
Utility	All Other Space Types	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐
Womens Restroom	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐
Mens Restroom	Restrooms	Manual ON/OFF	Exempt*	Occupancy Sensor	N/A	N/A	No	☐	☐

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

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Project Address:	1326 Allston Way	**Date Prepared:**	2/27/2023

H. INDOOR LIGHTING CONTROLS (Not including PAFs)

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

	13
	Plan Sheet Showing Daylit Zones:
Storage — Under 100 sq. ft	
Utility — Under 100 sq. ft	
Womens Restroom	
Mens Restroom	

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

Each area complying using the Complete Building or Area Category Methods per §140.6(b) are included in this table. Column 06 indicates if additional lighting power allowances per §140.6(c) or adjustments per §140.6(e) are being used .

Conditioned Spaces

01	02	03	04	05	06	
Area Description	Complete Building or Area Category Primary Function Area	Allowed Density (W/ft²)	Area (ft²)	Allowed Wattage (Watts)	Additional Allowance / Adjustment	
					Area Category	PAF
Assembly	Convention, Conference, Multipurpose and Meeting Center Areas	0.85	919	781.2	No	No
Storage	All Other Space Types	0.4	43	17.2	No	No
Mens Locker Room	Locker Dressing Room	0.45	601	270.4	No	No
Utility	All Other Space Types	0	34	0	No	No
Womens Restroom	Restrooms	0.65	278	180.7	No	No
Mens Restroom	Restrooms	0.65	273	177.5	No	No
		TOTALS:	2,148	1,427	See Tables J, or P for detail	

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Green Room	**Report Page:**	**(Page 5 of 7)**
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J. ADDITIONAL ALLOWANCE: AREA CATEGORY METHOD QUALIFYING LIGHTING SYSTEM

This section does not apply to this project.

K. TAILORED METHOD GENERAL LIGHTING POWER ALLOWANCE

This section does not apply to this project.

L. ADDITIONAL LIGHTING ALLOWANCE: TAILORED WALL DISPLAY

This section does not apply to this project.

M. ADDITIONAL LIGHTING ALLOWANCE: TAILORED FLOOR AND TASK LIGHTING

This section does not apply to this project.

N. ADDITIONAL LIGHTING ALLOWANCE: TAILORED ORNAMENTAL/SPECIAL EFFECTS

This section does not apply to this project.

O. ADDITIONAL LIGHTING ALLOWANCE: TAILORED VERY VALUABLE MERCHANDISE

This section does not apply to this project.

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

This section does not apply to this project.

Q. RATED POWER REDUCTION COMPLIANCE FOR ALTERATIONS

This section does not apply to this project.

R. 80% LIGHTING POWER FOR ALL ALTERATIONS - CONTROLS EXCEPTIONS

This section does not apply to this project.

S. DAYLIGHT DESIGN POWER ADJUSTMENT FACTOR (PAF)

This section does not apply to this project.

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

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STATE OF CALIFORNIA
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NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

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Project Name:	Green Room	**Report Page:**	**(Page 6 of 7)**
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T. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title	Field Inspector	
	Pass	Fail
NRCI-LTI-01-E - Must be submitted for all buildings	☐	☐

U. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by the permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and any with "-A" in the form name must be completed through an Acceptance Test Technician Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified		Field Inspector	
			Pass	Fail
NRCA-LTI-02-A - Must be submitted for occupancy sensors and automatic time switch controls.	☐	☐		
NRCA-LTI-03-A - Must be submitted for automatic daylight controls.	☐	☐		

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

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STATE OF CALIFORNIA
Indoor Lighting
NRCC-LTI-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTI-E
Project Name:	Green Room	**Report Page:**	**(Page 7 of 7)**
Project Address:	1326 Allston Way	**Date Prepared:**	2/27/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:		Documentation Author Signature:	
Company:	Stanton Engineering	Signature Date:	2023-02-27
Address:		CEA/HERS Certification Identification (if applicable):	
City/State/Zip:		Phone:	

RESPONSIBLE PERSON'S DECLARATION STATEMENT

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

1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name:	Nathan Hearn, PE	Responsible Designer Signature:	
Company:	Stanton Engineering	Date Signed:	2023-02-27
Address:	11344 Coloma Road, Suite 445	License:	E23927
City/State/Zip:	Gold River CA 95670	Phone:	(916) 288-6250

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

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STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Green Room	**Report Page:**	**(Page 1 of 7)**
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A. GENERAL INFORMATION

01	Project Location (city)	Berkeley	04	Total Illuminated Hardscape Area (ft²)	940
02	Climate Zone	3			
03	Outdoor Lighting Zone per Title 24 Part 1 §10.114 or as designated by Authority Having Jurisdiction (AHJ):				
☐	LZ-0: Very Low - Undeveloped Parkland	☐	LZ-2: Moderate - Rural Areas	☐	LZ-4: High - Must be reviewed by CA Energy Commission for Approval
☐	LZ-1: Low - Developed Parkland	☒	LZ-3: Moderately High - Urban Areas		

B. PROJECT SCOPE

This table includes outdoor lighting systems that are within the scope of the permit application and are demonstrating compliance using the prescriptive path outlined in §140.7 or §141.0(b)2L for alterations.

My Project Consists of:

01	02	
☒ New Lighting System	Must Comply with Allowances from §140.7	
☐ Altered Lighting System	Is your alteration increasing the connected lighting load (Watts)?	○ Yes ○ No
03	04	05
% of Existing Luminaires Being Altered[1]	Sum Total of Luminaires Being Added or Altered	Calculation Method
☐ < 10% ☐ >= 10% and < 50% ☐ >= 50%		

Please proceed to Table F. Outdoor Lighting Fixture Schedule to define the project's luminaires.

[1] *FOOTNOTES: % of Existing Luminaires Being Altered = (Sum Total of Luminaires Being Added or Altered / Existing Luminaires within the Scope of the Permit Application) x 100.*

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NRCC-LTO-E — CALIFORNIA ENERGY COMMISSION

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C. COMPLIANCE RESULTS

Results in this table are automatically calculated from data input and calculations in Tables F through I. Note: If any cell on this table says "COMPLIES with Exceptional Conditions" refer to Table D. Exceptional Conditions for guidance or see applicable Table referenced below.

Calculations of Total Allowed Lighting Power (Watts) §140.7 or §141.0(b)2L												Compliance Results			
01		02		03		04		05		06		07		08	09
General Hardscape Allowance §140.7(d)1 (See Table I)	+	Per Application §140.7(d)2 (See Table J)	+	Sales Frontage §140.7(d)2 (See Table K)	+	Ornamental §140.7(d)2 (See Table L)	+	Per Specific Area §140.7(d)2 (See Table M)	OR	Existing Power Allowance §141.0(b)2L (See Table N)	=	**Total Allowed** (Watts)	≥	**Total Actual** (Watts)	**07 must be >= 08**
452.25	+	---	+	---	+	---	+	---	OR	---	=	452.25	≥	306.4	COMPLIES
Cutoff Compliance (See Table G for Details)															N/A
Controls Compliance (See Table H for Details)															COMPLIES with Exceptional Conditions

D. EXCEPTIONAL CONDITIONS

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

E. ADDITIONAL REMARKS

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

Registration Number: — Registration Date/Time: — Registration Provider: Energysoft

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NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

REGISTERED PROFESSIONAL ENGINEER — NATHAN A. HEARN — No. E 23927 — 3-31-2024 — ELECTRICAL — STATE OF CALIFORNIA

Date Signed: 8/1/23

Stanton ENGINEERING

PROJECT **22007**
11344 Coloma Rd, Suite 445
Gold River, CA 95670
TEL 916.288.6250
www.stantoneng.com

APPROVALS

PROJECT TITLE

CITY OF BERKELEY ALLSTON CORPORATION YARD, BUILDING 'B',GREEN ROOM

1326 ALLSTON WAY BERKELEY, CA 94702

BID SET

ISSUE DATE **03.31.2025**

N&T JOB NUMBER

REVISIONS

1	01-10-23	PLAN CHECK COMMENTS
2	02-23-23	PLAN CHECK COMMENTS

DRAWN BY JRC — CHECKED BY DA

SHEET TITLE

TITLE 24

SHEET NUMBER

E0.4

STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E — CALIFORNIA ENERGY COMMISSION

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F. OUTDOOR LIGHTING FIXTURE SCHEDULE

For new or altered lighting systems demonstrating compliance with §140.7 all new luminaires being installed and any existing luminaires remaining or being moved within the spaces covered by the permit application are included in the Table below. For altered lighting systems using the Existing Power method per §141.0(b)2I, only new luminaires being installed and replacement luminaires being installed as part of the project scope are included (ie, existing luminaires remaining or existing luminaires being moved are not included).

Designed Wattage:

01	02		03	04	05	06	07	08	09	10	
Name or Item Tag	Complete Luminaire Description		Watts per luminaire[1,2]	How is Wattage determined	Total number luminaires[2]	Luminaire Status[3]	Excluded per §140.7(a)	Design Watts	Cutoff Req. > 6,200 initial lumen output §130.2(b)[4]	Field Inspector	
										Pass	Fail
D	Type D	☐ Linear	32	Mfr. Spec	4	New	☐	128	NA: < 6200 lumens	☐	☐
D1	Type D1	☐ Linear	32	Mfr. Spec	5	New	☐	160	NA: < 6200 lumens	☐	☐
E	Type E	☐ Linear	9.2	Mfr. Spec	2	New	☐	18.4	NA: < 6200 lumens	☐	☐
							Total Design Watts:	306.4			

* NOTES: Selections with a * require a note in the space below explaining how compliance is achieved.
EX: Luminaire is lighting a statue; EXCEPTION 2 to §130.2(b)

[1] *FOOTNOTES: Authority Having Jurisdiction may ask for Luminaire cut sheets to confirm wattage used for compliance per §130.0(c)*
[2] *For linear luminaires, wattage should be indicated as W/lf instead of Watts/luminaire. Total linear feet should be indicated in column 05 instead of number of luminaires.*
[3] *Select "New" for new luminaires in a new outdoor lighting project, or for added luminaires in an alteration. Select "Altered" for replacement luminaires in an alteration. Select "Existing to Remain" for existing luminaires within the project scope that are not being altered and are remaining. Select "Existing Reinstalled" for existing luminaires which are being removed and reinstalled as part of the project scope.*
[4] *Compliance with mandatory cutoff requirements is required for luminaires with initial lumen output >= 6,200 unless exempted by §130.2(b)*

G. CUTOFF REQUIREMENTS (BUG)

This section does not apply to this project.

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NRCC-LTO-E — CALIFORNIA ENERGY COMMISSION

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H. OUTDOOR LIGHTING CONTROLS

This table demonstrates compliance with controls requirements for all new or altered luminaires installed as part of the permit application. For alteration projects, luminaires which are existing to remain (ie untouched) and luminaires which are removed and reinstalled (wiring only) do not need to be included in this table even if they are within the spaces covered by the permit application.
*When an option having a * is selected, the notes section of this table must be completed. The lighting controls section of the Compliance Summary Table on the first page will show "DOES NOT COMPLY" if the notes are left blank.*

Mandatory Controls

01	02	03	04	05	
Area Description	Shut-Off §130.2(c)1	Auto-Schedule §130.2(c)2	Motion Sensor §130.2(c)3	Field Inspector	
				Pass	Fail
Building Exterior	Astronomical Timer	Yes	Exempt*	☐	☐
* NOTES: Controls with a * require a note in the space below explaining how compliance is achieved. *EX: Not permitted by health & sofety to be turned off; EXCEPTION 1 to §130.2(c)*					
Building Exterior					

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft
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Outdoor Lighting
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CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
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Project Address:	1326 Allston Way	Date Prepared:	2/27/2023

I. LIGHTING POWER ALLOWANCE (per §140.7)

This table includes areas using allowance calculations per §140.7. General Hardscape Allowance is per Table 140.7-A while "Use it or lose it" Allowances are per Table 140.7-B . Indicate which allowances are being used to expand sections for user input. Luminaires that qualify for one of the "Use it or lose it" allowances shall not qualify for another "Use it or lose it" allowance.

	01				
	☒ General Hardscape Allowance Table I (below)	"Use it or lose it" Allowance (select all that apply) (select all that apply)			
		☐ Per Application Table J	☐ Sales Frontage Table K	☐ Ornamental Table L	☐ Per Specific Area Table M
Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 0, 1 & 4)					

Calculated General Hardscape Lighting Power Allowance per Table 140.7-A (LZ 2 & 3)

02	03	04	05	06	07	08	9	10
Area Description	Surface Type	Area Wattage Allowance (AWA)			Area Wattage Allowance (AWA)			Total General AWA = LWA (Watts)
		Illuminated Area (ft²)	Allowed Density (W/ft²)	Area Allowance (Watts)	Perimeter Length (lf)	Allowed Density (W/lf)	Linear Allowance (Watts)	
Exterior Biuilding Lights	Asphalt	940	0.025	23.5	315	0.2	78.8	102
						Initial Wattage Allowance for Entire Site (Watts):		350
						Total General Hardscape Allowance (Watts):		452

J. LIGHTING ALLOWANCE: PER APPLICATION

This section does not apply to this project.

K. LIGHTING ALLOWANCE: SALES FRONTAGE

This section does not apply to this project.

L. LIGHTING ALLOWANCE: ORNAMENTAL

This section does not apply to this project.

M. LIGHTING ALLOWANCE: PER SPECIFIC AREA

This section does not apply to this project.

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N. EXISTING CONDITIONS POWER ALLOWANCE (alterations only)

This section does not apply to this project.

O. DECLARATION OF REQUIRED CERTIFICATES OF INSTALLATION

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and can be found online at https://www.energy.ca.gov/title24/2019standards/2019_compliance_documents/Nonresidential_Documents/NRCI/

Form/Title	Field Inspector	
	Pass	Fail
NRCI-LTO-01-E - Must be submitted for all buildings	☐	☐
NRCI-LTO-02-E- Must be submitted for a lighting control system, or for an Energy Management Control System (EMCS), to be recognized for compliance.	☐	☐

P. DECLARATION OF REQUIRED CERTIFICATES OF ACCEPTANCE

Selections have been made based on information provided in this document. If any selection have been changed by permit applicant, an explanation should be included in Table E. Additional Remarks. These documents must be provided to the building inspector during construction and must be completed through an Acceptance Test Technicion Certification Provider (ATTCP). For more information visit: http://www.energy.ca.gov/title24/attcp/providers.html

Form/Title	Systems/Spaces To Be Field Verified		Field Inspector	
			Pass	Fail
NRCA-LTO-02-A - Must be submitted for all outdoor lighting controls except for alterations where controls are added to <= 20 luminaires.	☐	☐		

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft
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STATE OF CALIFORNIA
Outdoor Lighting
NRCC-LTO-E — CALIFORNIA ENERGY COMMISSION

CERTIFICATE OF COMPLIANCE			NRCC-LTO-E
Project Name:	Green Room	Report Page:	(Page 7 of 7)
Project Address:	1326 Allston Way	Date Prepared:	2/27/2023

DOCUMENTATION AUTHOR'S DECLARATION STATEMENT

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

Documentation Author Name:	Documentation Author Signature:
Company: Stanton Engineering	Signature Date: 2023-02-27
Address:	CEA/ HERS Certification Identification (if applicable):
City/State/Zip:	Phone:

RESPONSIBLE PERSON'S DECLARATION STATEMENT

I certify the following under penalty of perjury, under the laws of the State of California:
1. The information provided on this Certificate of Compliance is true and correct.
2. I am eligible under Division 3 of the Business and Professions Code to accept responsibility for the building design or system design identified on this Certificate of Compliance (responsible designer)
3. The energy features and performance specifications, materials, components, and manufactured devices for the building design or system design identified on this Certificate of Compliance conform to the requirements of Title 24, Part 1 and Part 6 of the California Code of Regulations.
4. The building design features or system design features identified on this Certificate of Compliance are consistent with the information provided on other applicable compliance documents, worksheets, calculations, plans and specifications submitted to the enforcement agency for approval with this building permit application.
5. I will ensure that a completed signed copy of this Certificate of Compliance shall be made available with the building permit(s) issued for the building, and made available to the enforcement agency for all applicable inspections. I understand that a completed signed copy of this Certificate of Compliance is required to be included with the documentation the builder provides to the building owner at occupancy.

Responsible Designer Name: Nathan Hearn, PE	Responsible Designer Signature:
Company: Stanton Engineering	Date Signed: 2023-02-27
Address: 11344 Coloma Road, Suite 445	License: E23927
City/State/Zip: Gold River CA 95670	Phone: (916) 288-6250

Registration Number: | Registration Date/Time: | Registration Provider: Energysoft
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NOLL & TAM ARCHITECTS
729 Heinz Avenue
Berkeley, CA 94710
tel 510.542.2200
fax 510.542.2201

SEAL

REGISTERED PROFESSIONAL ENGINEER — NATHAN A. HEARN — No. E 23927 — 3-31-2024 — ELECTRICAL — STATE OF CALIFORNIA
4/07/2023
Date Signed: 8/1/23

Stanton ENGINEERING M + E
PROJECT 22007
11344 Coloma Rd, Suite 445
Gold River, CA 95670
TEL 916.288.6250
www.stantoneng.com

APPROVALS

PROJECT TITLE

CITY OF BERKELEY ALLSTON CORPORATION YARD, BUILDING 'B',GREEN ROOM

1326 ALLSTON WAY BERKELEY, CA 94702

BID SET

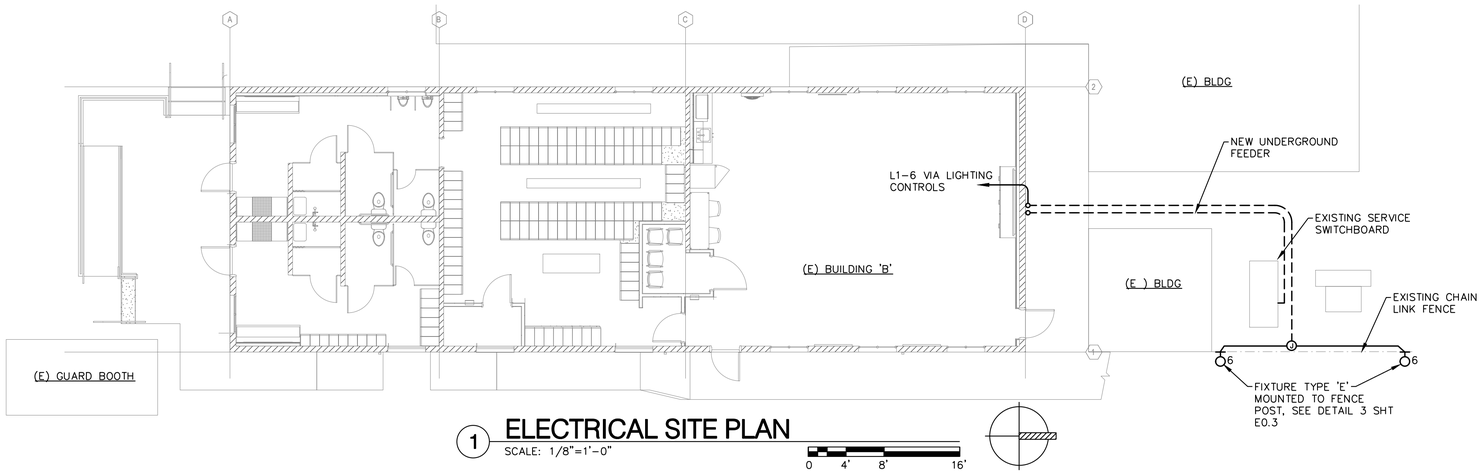
ISSUE DATE 03.31.2025
N&T JOB NUMBER
REVISIONS

1	01-10-23	PLAN CHECK COMMENTS
2	02-23-23	PLAN CHECK COMMENTS

DRAWN BY JRC | CHECKED BY DA

SHEET TITLE
TITLE 24

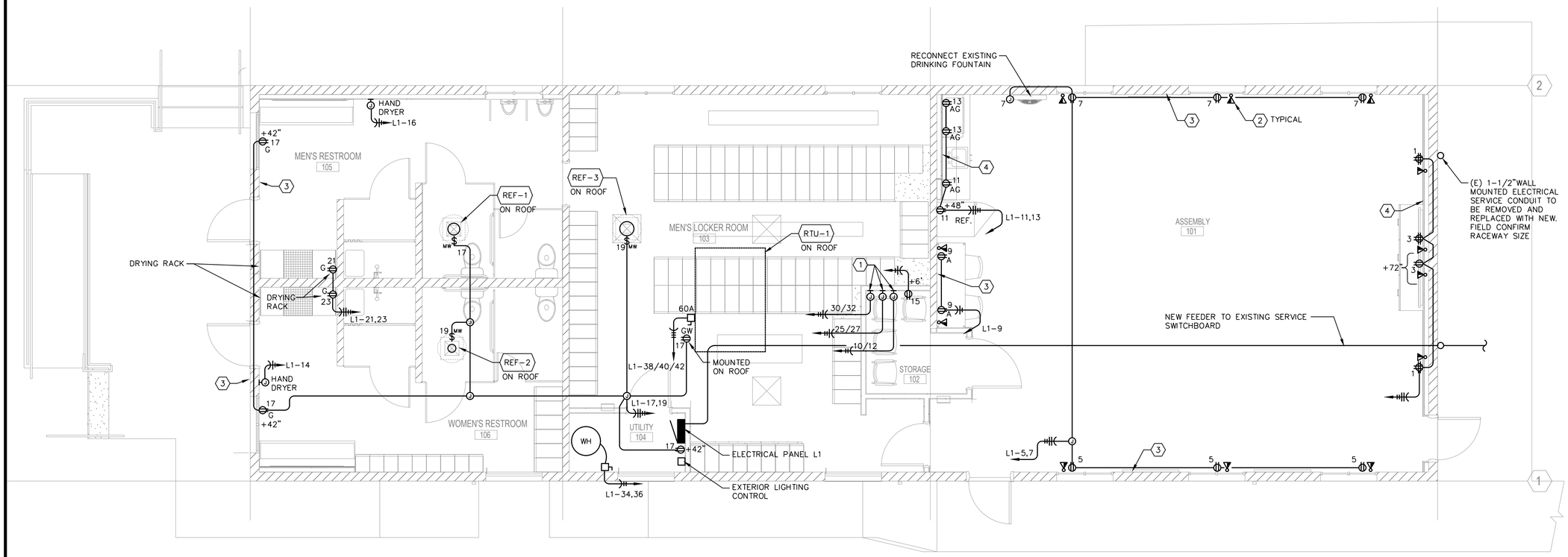
SHEET NUMBER
E0.5



1 ELECTRICAL SITE PLAN

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

0 4' 8' 16'



1 ELECTRICAL PLAN

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

0 2' 4' 8'

GENERAL SHEET NOTES

A. CONTRACTOR TO INCLUDE DEMOLITION OF EXISTING EQUIPMENT AND DEVICES TO MAKE WAY FOR NEW CONSTRUCTION. REFER TO ARCHITECTURAL DRAWINGS FOR EXTENT OF WALL AND SURFACE DEMOLITION.

B. EXISTING PANELBOARD TO BE REMOVED AND REPLACED AT NEW LOCATION. EXISTING DEVICES THAT WILL REMAIN (IE. TRAFFIC BOOTH, PARKING LOT LIGHTING, ETC.) WILL NEED TO BE INTERCEPTED, EXTENDED AND CONNECTED TO NEW PANELBOARD.

C. DEMOLISH LIGHTING FIXTURES, RECEPTACLES, CONDUIT/WIRE, ETC.. AS REQUIRED TO MAKE WAY FOR NEW CONSTRUCTION.

SHEET KEYNOTES

1. AFTER DEMOLITION OF EXISTING PANELBOARD, INTERCEPT AND EXTEND OR MODIFY EXISTING CIRCUIT(S) INDICATED AND ROUTE TO NEW PANEL L1. RECONNECT AS REQUIRED.
2. RACEWAY ONLY DATA/TELEPHONE OUTLET. PROVIDE DOUBLE GANG BACK BOX AND SINGLE OR DOUBLE GANG ADAPTER PLATE (VERIFY) WITH 1"C. AND PULL STRING TO ACCESSIBLE CEILING SPACE.
3. SURFACE MOUNTED CONDUIT AND DEVICES ON EXPOSED WALL.
4. FURRED OUT WALL WITH CONCEALED CONDUIT AND RECESSED DEVICES IN WALL.

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SEAL

REGISTERED PROFESSIONAL ENGINEER NATHAN A. HEARN No. E 23927 3-31-2024 ELECTRICAL STATE OF CALIFORNIA

Date Signed: 8/1/23

Stanton ENGINEERING M + E

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Gold River, CA 95670
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APPROVALS

PROJECT TITLE

CITY OF BERKELEY ALLSTON CORPORATION YARD, BUILDING 'B',GREEN ROOM

1326 ALLSTON WAY BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

N&T JOB NUMBER

REVISIONS

1	01-10-23	PLAN CHECK COMMENTS
2	02-23-23	PLAN CHECK COMMENTS

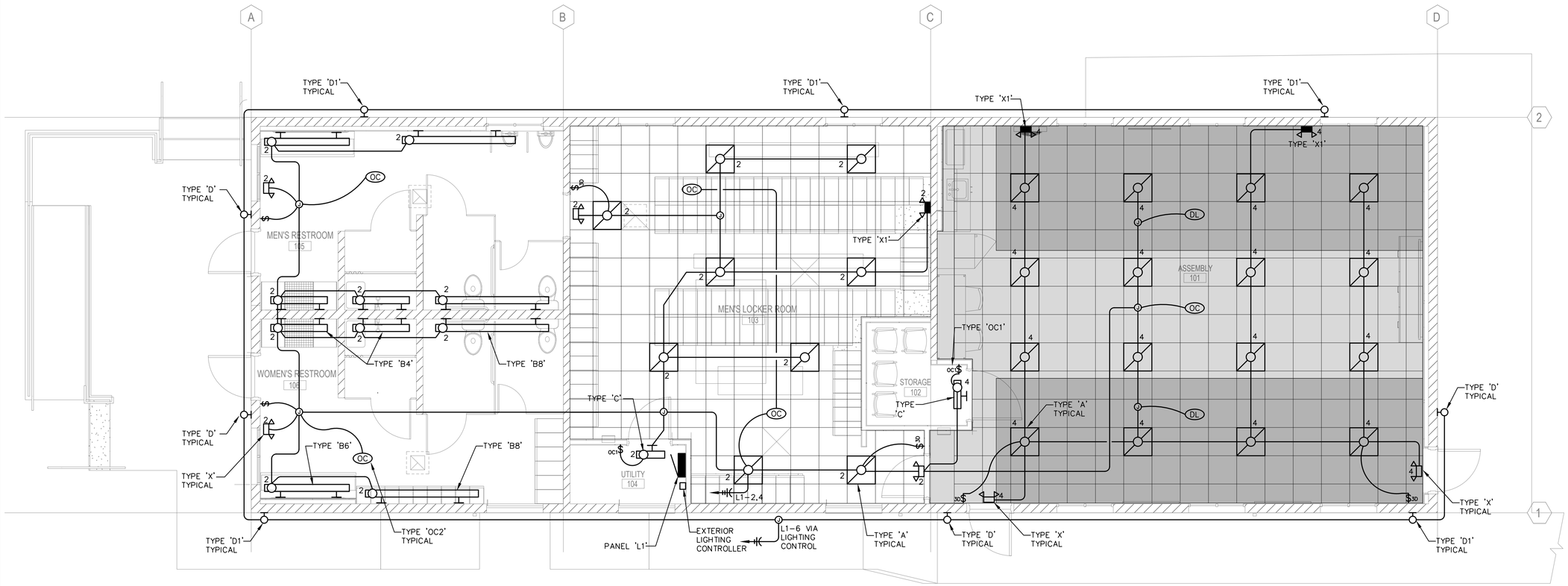
DRAWN BY JRC CHECKED BY DA

SHEET TITLE

ELECTRICAL PLANS

SHEET NUMBER

E1.0



1 LIGHTING PLAN

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

0 2' 4' 8'

LEGEND

PRIMARY SIDELIT DAYLIT ZONE

SECONDARY SIDELIT DAYLIT ZONE

NOLL & TAM ARCHITECTS

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SHEET TITLE

LIGHTING PLAN

SHEET NUMBER

E1.1

SECTION 16010

PART 1 – GENERAL ELECTRICAL SPECIFICATIONS

1.1 WORK INCLUDED:

A. This specification shall apply to all phases of work hereinafter specified, shown on drawings, or as required to provide a complete installation of electrical systems for this project. Work required under this specification is not limited to just the Electrical drawings. Refer to Architectural, Structural, Landscape, and Mechanical/Plumbing drawings as well as all other drawings applicable to this project, which designate the scope of work to be accomplished. The intent of the Drawings and Specifications is to provide a complete and operable electrical system that includes all documents that are a part of the Contract.

1. Work Included: Furnish labor, material, services and skilled supervision necessary for the construction, erection, installation, connections, testing, and adjustment of all circuits and electrical equipment specified herein, or shown or noted on Drawings, and its delivery to the Owner complete in all respects ready for use.

2. The electrical Work includes installation or connection of certain materials and equipment furnished by others. Verify installation details, installation and rough-in locations from the actual equipment or from the equipment shop drawings.

B. Electrical Drawings: Electrical Drawings are diagrammatic, and are intended to convey the scope of work, indicating intended general arrangement of equipment, conduit and outlets. Follow Drawings in laying out Work and verify spaces for installation of materials and equipment based on actual dimensions of equipment furnished.

1.2 QUALITY ASSURANCE

A. Design, manufacture, testing and method of installation of all apparatus and materials furnished under requirements of these specifications shall conform to latest publications or standard rules of the following:

1. Institute of Electrical and Electronic Engineers – IEEE
2. National Electrical Manufacturers' Association – NEMA
3. Underwriter's Laboratories, Inc. – UL
4. National Fire Protection Association – NFPA
5. Federal Specifications – Fed. Spec.
6. American Society for Testing and Materials – ASTM
7. American National Standards Institute – ANSI
8. National Electrical Code – NEC
9. National Electrical Safety Code – NESC
10. Insulated Cable Engineers Association – ICEA
11. American Institute of Steel Construction – AISC
12. State and Municipal Codes In Force In The Specific Project Area
13. Occupational Safety and Health Administration (OSHA)
14. Electronics Industries Association/Telecommunications Industry Association (EIA/TIA)
15. California Electrical Code
16. Local Authority Having Jurisdiction (AHJ) Published Electrical Standards and Codes (as applicable).

B. Perform Work in accordance with the California Electrical Code, applicable building ordinances, and other applicable codes, hereinafter referred to as the "Code." The Contractor shall comply with the Code including local amendments and interpretations without added cost to the Owner. Where Contract Documents exceed minimum requirements, the Contract Documents take precedence. Where code conflicts occur, the most stringent shall apply unless variance is approved.

1. Comply with all requirements for permits, licenses, fees and codes. The Contractor, at Contractor's expense, shall obtain all permits, licenses, fees, special service costs, inspections and arrangements required for Work under this contract, unless otherwise specified.

2. Comply with requirements of the applicable utility companies serving this Project. Make all arrangements with utility companies for proper coordination of Work.

1.3 GENERAL REQUIREMENTS

A. Guarantee: Furnish a written guarantee for a period of one-year from date of acceptance.

B. Wherever a discrepancy in quantity or size of conduit, wire, equipment, devices, circuit breakers, etc., (all materials), arises on the Drawings and/or in the Specifications, the Contractor shall be responsible for providing and installing all material and services required by the strictest condition noted on Drawings and/or in Specifications to ensure complete and operable systems as required by the Owner and Engineer.

C. All Core Cutting, Drilling, and Patching:

1. For the installation of work under this Section, the aforementioned shall be performed under this Section of the Specifications and the Concrete section of the Specifications.
2. No holes will be allowed in any structural members without the written approval of the Project's Structural Engineer.
3. For penetrations of concrete slabs or concrete footings, the work shall be as directed in the Concrete Section of Specifications.
4. The Contractor shall be responsible for patching and repairing surfaces where he is required to penetrate for work under this contract.
5. Penetrations shall be sealed to meet the rated integrity of the surface required to be patched and repaired. The patched surface shall be painted or finished to match the existing surface.

D. Verifying Drawings and Job Conditions:

1. The Contractor shall examine all Drawings and Specifications in a manner to be fully cognizant of all work required under this Section.
2. The Contractor shall visit the site and verify existing conditions. Where existing conditions differ from Drawings, adjustment(s) shall be made and allowances included for all necessary equipment to complete all parts of the Drawings and Specifications.

1.4 WORK IN COOPERATION WITH OTHER TRADES

A. Examine the Drawings and Specifications and determine the work to be performed by the electrical, mechanical and other trades. Provide the type and amount of electrical materials and equipment necessary to place this work in proper operation, completely wired, tested and ready for use. This shall include all conduit, wire, disconnects, relays, and other devices for the required operation sequence of all electrical, mechanical and other systems or equipment.

B. Provide a conduit-only system for low voltage wiring required for control of mechanical and plumbing equipment described in this or other parts of the Contract Documents. Install all control housings, conduits, and backboxes required for installing conduit to the controls.

C. Install separate conduits between each heating, ventilating and air conditioning sensing device and its control panel and/or control motor. Before installing any conduit for heating, ventilating and air conditioning control wiring, verify the exact requirements from the control diagrams provided with the equipment manufacturer's shop drawings.

1.5 TESTING AND ADJUSTMENT

A. Upon completion of all electrical work, the Contractor shall test all circuits, switches, light fixtures, lighting control and dimming systems including distributed systems, UPSs, generators, SPDs, lighting inverters, transfer switches, motors, circuit breakers, motor starter(s) and their auxiliary circuits and any other electrical items to ensure perfect operation of all electrical equipment.

B. Equipment and parts in need of correction, and discovered during such testing, shall be immediately repaired or replaced with all new equipment and that part of the system shall then be retested. All such replacement or repair shall be done at no additional cost to the Owner.

C. All circuit(s) shall be tested for continuity and circuit integrity. Adjustments shall be made for circuits not complying with testing criteria.

D. All test reports, including copies of any required Energy Code Acceptance Forms (e.g. CA Title 24 Acceptance For Code Compliance Forms) should be submitted to the Engineer at completion of project.

1.6 IDENTIFICATION

A. Nameplates shall be provided for panel boards, contactors, starters, disconnect switches, enclosed circuit breakers/switches, lighting control panels, dimming panels, and all low voltage system terminal and control cabinets.

1. Nameplate inscriptions shall be identical to the equipment designations indicated in plans and specifications. Nameplates shall be engraved with the device designation/identification on the top line, source identification for the device on the 2nd line per CEC, Art **408.4** and load designation for the device on the bottom line. Where load designation consists of a branch circuit, omit bottom line. Where device designation is not indicated on plans/specifications, Contractor shall submit a written clarification request to the Engineer.

Example: Transformer 1TA
Source Disconnecting Location: Switchboard MSA located in RM 110
Load: Panels 1LA & 1LB

B. Identification nameplates, unless otherwise noted (UON), shall be laminated/extruded modified acrylic that is 3/32" thick, UV-stabilized, matte finish, suitable for use in 180 deg F ambient, with beveled edges and engraved while letters 3/8" high, minimum, on 1-1/2" high black background (utility/normal and optional standby power systems) for single line of text. Where two lines of text are required, provide min. 2" high nameplate. Where three lines of text are required, provide min. 2.5" high nameplate.

C. Identification nameplates for new panelboards shall be attached with panelboard manufacturer-provided screws via panelboard manufacturer factory pre-drilled holes. A factory option to rivet identification nameplates to the equipment is only acceptable if screw-fastened nameplates are not an available option from the switchgear manufacturer. Field drilling or other mechanical attachment methods that change/void the NEMA or NTRL rating of the enclosure are strictly forbidden.

D. Identification nameplates for disconnect switches, enclosed circuit breakers/switches, lighting control panels, dimming panels be attached to the equipment by self-adhesive backing integral to the nameplates. When equipment is located outdoors, provide nameplates without self-adhesive backing and attach to equipment using weather-rated, UV-resistant epoxy. In all cases, clean surfaces before applying identification nameplates parallel to equipment lines.

E. See wiring device section of this specification for additional wiring device plate cover labeling requirements.

F. See drawings for panel board schedule directory installation requirements.

G. See conduit installation section of this specification for conduit labeling requirements.

1.7 FINAL INSPECTION AND ACCEPTANCE

A. After all requirements of the Specifications and/or the Drawings have been fully completed, representatives of the Owner will inspect the work. Contractor shall provide competent personnel to demonstrate the operation of any item or system to the full satisfaction of each representative.

B. Final acceptance of the work will be made by the Owner after receipt of approval and recommendation of acceptance from each representative.

1.8 RECORD DRAWINGS

A. Drawings of Record: The Contractor shall provide and keep up-to-date, a complete record set of drawings. These shall be corrected daily and show every change from the original Drawings. This set of prints shall be kept on the job site and shall be used only as a record set. This shall not be construed as authorization for the Contractor to make changes in the layout without definite instruction in each case. Upon completion of the work, a set of reproducible Contract Drawings shall be obtained from the General Contractor and all changes as noted on the record set of prints shall be incorporated thereon with black ink in a neat, legible, understandable and professional manner. Refer to the Supplementary General Conditions for complete requirements.

1.9 SHOP DRAWINGS/SUBMITTALS

A. Shop Drawings/Submittals, unless required otherwise by general project specifications or instructions to bidders, shall be submitted in electronic format (PDF) to include a Letter of Transmittal (PDF), which shall give a list of the drawings submitted with dates and/or sytem(s) components contained within the submittal. Drawings and material cut sheets shall be complete in every respect and edited/marked to indicate specific items being provided. Printed/Hard copies are not acceptable.

B. The shop drawings/submittals shall be marked with the name of the project, numbered consecutively, and bear the approval of the Contractor as evidence that the Contractor has checked the drawings. Any drawings submitted without this approval will be returned to the Contractor for resubmittal.

C. If the shop drawings show variations from the requirements of the Contract because of standard shop practice or other reasons, the Contractor shall make specific mention of such variations in the Contractor's letter of transmittal. If the substitution is accepted, the Contractor shall be responsible for proper adjustment that may be caused by the substitution. Samples shall be submitted when requested.

F. Shop drawings shall be submitted on the following, but not limited to:

1. Lighting fixtures.
2. Panelboards complete with overcurrent device information.
3. Fire Alarm System/Central Monitoring System.
4. Wiring Devices.
5. Lighting control products/dimming system products.
6. Pull boxes and underground vaults.
7. Terminal cabinets.
8. Cable tray, flexible cable tray and cable runway.
9. Arc flash, short-circuit, and coordination studies.
10. All other products called out on drawings that call for shop drawing submittal.

1.10 MAINTENANCE, SERVICING, INSTRUCTION MANUALS AND WIRING DIAGRAMS

A. Prior to final acceptance of the job, the Electrical Contractor shall furnish to the Owner at least four (4) copies of operating and maintenance and servicing instructions, as well as four (4) complete wiring diagrams for the following items or equipment:

1. Lighting control systems/dimming systems.
2. Fire Alarm System.
3. Panel boards; complete with overcurrent device information.

B. All wiring diagrams shall specifically cover the system supplied. Typical drawings will not be accepted. Four (4) copies shall be presented to the Owner.

1.11 INTERRUPTION OF SERVICES/SERVICE SHUTDOWN

A. Any interruption of electrical services, electrical circuits, electrical feeders, signal systems, communication systems, fire alarm systems, etc., required to perform work shall meet the specific prior-approval requirements of the Owner. Such work shall be scheduled with the Owner to be performed at the Owner's convenience.

B. Interruptions/outages of any of the Owner's systems and services mentioned above shall be scheduled to occur during other than the Owner's normal business hours. Any overtime costs shall be borne by the Contractor.

C. See drawings for any additional requirements regarding outages, interruption and any temporary services required.

PART 2 – PRODUCTS

2.1 MATERIALS

A. Materials and Equipment: All electrical materials and equipment, including custom-made equipment, shall be new and shall be listed by Underwriter's Laboratories (UL) and bear their label or be listed and certified by a Nationally Recognized Testing Lab (NRTL) that is also recognized by the local Authority-Having-Jurisdiction (AHJ).

B. Panelboards – Branch Circuit:

1. See drawings for panel board schedules and specifications.

C. Lighting Fixtures:

1. See drawings for lighting fixture schedules and additional specifications. Furnish, install, and connect a lighting fixture at each outlet where a lighting fixture type symbol (designated on plans) is shown as being installed. Each fixture shall be complete with all required accessories including sockets, glassware, boxes, spacers, mounting devices, fire rating enclosure and lamps.

D. Wiring Devices:

1. Provide wiring devices indicated per plan. Devices shall be specification grade. Acceptable manufacturers are Leviton, Pass & Seymour and Hubbell. Provide all similar devices of same manufacturer, unless indicated otherwise. All device colors shall be selected from the full range of manufacturer standard color options as selected by the Architect. This direction will be provided in the shop drawing review process.

a. Wiring Devices (Decora)

1) Convenience Receptacle	#16252-COLOR
2) Dedicated Receptacle	#16352-COLOR
3) Convenience I.G. Receptacle	#16262-IG-COLOR
4) Dedicated IG Receptacle	#16362-IG-COLOR
5) Convenience G.F.C.I. Receptacle	#GFNT1-COLOR
6) Dedicated G.F.C.I. Receptacle	#GFNT2-COLOR
7) Weather/Tamper Resistant GFCI Receptacle	#GFWT2-COLOR
8) Convenience Simplex Receptacle	#16251-COLOR
9) Single Pole Switch	#5621-2-COLOR
10) Double Pole Switch	#5622-2-COLOR
11) Three Way Switch	#5623-2-COLOR
12) Pilot Light Switch "On"	#5628-2-COLOR
13) Pilot Light Switch "Off"	#5631-2-COLOR
14) Projection Screen Switch	#5657-2-COLOR
15) Low Voltage Momentary Switch	#5657-2-COLOR
16) Keyed Switch	#1221-2L-COLOR

b. Use of dedicated receptacles is required where plans depict a branch circuit supplying only a single simplex or duplex receptacle. Use of controlled receptacles is required where depicted on plans – See controlled receptacle specifications for additional information.

2. I.G. (isolated ground) receptacle bodies shall be of a basic color specified above with an orange triangle to symbolize isolated ground.

3. Wiring device cover plates located on recessed boxes shall be commercial grade nylon. Plate color shall match wiring device color UON on plans. Cover plates utilized on surface mounted boxes shall be metal. Plastic cover plates are unacceptable.

4. Except as otherwise noted, all wiring device plates on the project shall be labeled with panel and circuit number(s) utilizing a Brother P-Touch labeling system with 1/2" tape (yellow on black) or equal by Herman-Tellerman or Panduit. Locate label on the concealed side of the wiring device plate. Handwritten labels are unacceptable.

5. The Contractor shall provide duplex receptacle outlets in the appropriate configurations necessary to comply with applicable energy code requirements for controlled receptacles and as shown on plans. All wiring devices indicated to be controlled receptacles shall be NEMA-approved, electrical code-compliant with factory markings on the face of the receptacle(s) with the word "Controlled" or utilize further markings and symbols to indicate which receptacles on each outlet is/are controlled. Stickers, field-applied markings or other non-permanent markings are not acceptable. Where a GFCI receptacle outlet is required to be controlled, provide an adjacent controlled duplex receptacle outlet connected on the load side of the GFCI outlet. Generally, one receptacle in a duplex receptacle outlet is required to be controlled. It may be the lower receptacle or upper receptacle based on manufacturer offering. However, the controlled receptacle location within a controlled receptacle outlet shall remain consistent throughout the project. Where an existing duplex receptacle outlet is required to be controlled, provide a new wiring device with the appropriate control configuration necessary to comply with plans. All controlled receptacles shall be connected to a branch circuit controlled by an occupancy sensor-based or relay panel lighting control system. Acceptable manufacturers are Leviton, Pass and Seymour & Hubbell.

E. For outdoor wiring devices, provide lockable, hinged metal cover suitable for wet locations, while-in-use, Taymac #MX3200, or equal.

F. Motor Controllers/Starters: See drawings for motorized equipment schedules and specifications.

G. Circuit Breakers.

1. All non-service entrance circuit breakers less than 225A shall be molded plastic case, air circuit breakers conforming to UL 489. Provide breakers with thermal magnetic trip units, and a common trip bar for two- or three-pole breakers, connected internally to each pole so tripping of one pole will automatically trip all poles of each breaker. Provide breakers of trip-free and trip-indicating bolt-on type, with quick-make, quick-break contacts. Provide single two- or three-pole breaker interchangeability. Provide padlocking device for circuit breakers as shown on the Drawings.
2. Tandem or half-sized circuit breakers are not permitted.
3. Circuit breakers shall be standard interrupting construction. Panelboards shall accept standard circuit breakers up to 100A.
4. Circuit breaker handle accessories shall provide provisions for locking handle in the on or off position.
5. Provide 75 degree Celsius-rated conductor lugs/lug kits as required on all circuit breakers to accept conductor quantities and sizes shown on drawings.
6. All circuit breaker terminations shall be suitable for use with 75 degree Celsius ampacity conductors. Listed, dual-rated pin terminals, straight or offset, are acceptable for use to in accommodating oversized or parallel conductor installations.
7. Circuit breakers serving Fire Alarm or Central Monitoring panels and power supplies shall be red in color and lockable in the "ON" position.

H. Disconnect Switches:

1. Non-fusible or fusible, heavy-duty, externally operated horsepower-rated, 600V A.C: Provide NEMA 3R, lockable enclosures for all switches located on roof tops, in wet or damp areas and in any area exposed to the elements.
2. Fusible switches shall be Class "R" when 600A or less, and Class "L" when greater than 600A.
3. Amperage, horsepower, voltage, and number of poles per drawings: All shall be clearly marked on the switch nameplate.
4. Provide the Owner's project manager with one (1) spare set of fuses and two (2) sets of fuse clips/fuses for every set of fuses on the project.

I. Fuses:

1. Provide fuses at all locations shown on the Drawings and as required for supplemental protection:
   a. Fuses shall be manufactured by Bussmann, Shawmut or equal.
   b. All fuses shall be the product of a single manufacturer.
2. Main and Feeder Protection:
   a. Protective devices rated greater than 600A: Provide Bussman Hi-Cap fuses, Class L, current-limiting, having an interrupting rating of 200,000A RMS.
   b. Protective devices rated 600A or less: Provide Bussman Class R fuses, Class RK series current-limiting fuses, having an interrupting rating of 200,000A RMS.
3. Motor Protection:
   a. Where rating of protective device is greater than 600A: Provide Bussman Hi-Cap fuses, Class L, current-limiting, having an interrupting rating of 200,000A RMS.
   b. Where rating of protective device is 600A or less: Provide Bussman Class RK series current-limiting fuses, having an interrupting rating of 200,000A RMS.
   c. Where fuses feeding motors are indicated, but not sized: It shall be the responsibility of the Contractor to coordinate the fuse size with the motor to provide proper motor running protection.
   d. When rejection type fuses are specified (Class RK series) the fuse holder of all switches (specified in other Sections) shall be suitable for the fuses provided.

J. Lighting Control/Dimming Systems:

1. See drawings for Lighting Control and/or Dimming Systems schedules and specifications.
2. Wall box dimmers shall be rocker-type as manufactured by Lutron (no known equal except as noted below). Dimmers and dimmer faceplates shall match the color of adjacent switches and faceplates. Dimmers and dimmer faceplates in wood finished areas shall generally be black unless otherwise indicated by the Architect. The Contractor shall obtain written approval of the Architect regarding final dimmer and dimmer faceplate color selection prior to ordering material. Multiple dimmers/switches shall be ganged together with a common cover plate. Provide dimmers as follows:
   a. LED (0-10V): Lutron DIVA DVTV with PP-???H Power Pack
   b. Screw Base CFL/LED: Lutron DIVA DVCL-153P
   c. Fan Control: Lutron DIVA DVFSQ-F (1.5A @ 120V max, 3 speed, single pole, 3-way)
3. Contractor shall verify if dimmer(s) requires derating when ganged. Contractor shall provide, and provide connections to, additional Lutron Power Modules, Lutron Power Packs, and/or Lutron Interface Modules where required to accommodate loads higher than dimmers standard or derated load-carrying capacity. Note – contractor may provide a Lutron recommended dimmer type (typically a #DVF-103P unit) to control the necessary power modules or interface devices.

K. Fire Alarm System/Central Monitoring System:

1. See drawings for Fire Alarm System or Central Monitoring System specifications.

L. Conduit:

1. Galvanized Rigid Conduit (GRC) shall be full weight threaded type steel. Steel conduit shall be protected by overall zinc coating to inside and outside surfaces, applied by the hot dip, metallizing, or sherardizing process.
2. Intermediate Metal Conduit (IMC) shall be hot-dipped galvanized in accordance with UL 1242, and meet Federal Specification WWC-581 (latest revision).
3. Electrical Metallic Tubing (EMT) shall be zinc-coated steel with baked enamel or plastic finish on inside surfaces except as noted below. EMT shall be dipped in a chromic acid bath to chemically form a corrosion-resistant protective coating of zinc chromate over galvanized surface.
4. Liquid-tight conduit (Seal-Tite) shall be galvanized steel flexible conduit as above except with moisture and oil-proof jacket, pre-cut lengths and factory-installed fittings. For outdoor installations and motor connections only unless otherwise noted on drawings.
5. Factory assembled, or off-site assembled wiring systems (such as Metal Clad (MC) Cable, Type AC Cable, Type NM Cable, Type BX Cable, etc.) shall not be used unless otherwise indicated in the Allowed Specification Deviations Section or Deductive/Additive Alternate Pricing Section generally located on the symbols list drawing.
6. Non-Metallic Conduit:
   a. Polyvinyl chloride (PVC) rigid conduit, Schedule 40, Type II for underground installation only with solvent welded joints, conforming to UL requirements, listed for exposed and direct burial application.
   b. Conduit and fittings shall be produced by the same manufacturer.

M. Fittings:

1. Conduit type fittings shall be smooth inside and out, taper threaded with integral insulating bushing and of the shapes, sizes and types required to facilitate installation or removal of wires and cables from the conduit and tubing system. These fittings shall be of metal, smooth inside and out, thoroughly galvanized, and sherardized cadmium plated.
2. Metallic conduit covers shall have the same finish as the fitting and shall be provided for the opening of each fitting where conductors do not pass through the cover.
3. Connector, coupling, locknut, bushings and caps used with rigid conduit shall be steel, threaded and thoroughly galvanized. Bushings shall be insulated.
4. UON all interior EMT fittings, connectors and couplings installed in concealed locations, areas not considered to be wet or damp locations by the AHJ, or areas not subject to physical damage, shall be steel, zinc or cadmium plated, threadless, compression, steel locking ring type with insulated throat. Where suitable for use, steel set screw fittings are allowed for trade sizes of 2" and smaller. Insulated throat is not required for fittings, connectors and couplings 1" and smaller.
5. All interior and exterior EMT fittings, connectors and couplings, 2" and smaller, installed in exposed or concealed locations that are considered by the AHJ to be wet or damp locations, shall be raintight-listed, steel, zinc or cadmium plated, threadless, compression, steel locking ring type with insulated throat. If raintight-listed, EMT fittings, connectors and couplings are unavailable for a given trade size or if conduit is installed in an area subject to damage – provide rigid metallic or intermediate metallic conduits, fittings, connectors and couplings as required.
6. Flexible steel conduit connectors shall be a malleable iron clamp or squeeze type or steel twist-in type with insulated throat. The finish shall be zinc or cadmium plating.
7. Conduit unions shall be "Erickson" couplings, or approved equal. The use of running threads will not be permitted.

N. 600V Conductors – Wire and Cable:

1. All conductors shall be copper. Provide stranded conductor for #10 AWG and larger or when making flexible connections to vibrating machinery. Use compression "fork" type connectors or transition to solid conductors when connecting to switches, receptacles, etc.
2. Type THHN/THWN-2 thermoplastic, 600V, UL approved, dry and wet locations rated at 90 degrees Celsius, for conductors of all sizes from #12 AWG up to and including 1000 kcmil. RHH/RHW insulation is allowed only to provide an Electrical Circuit Protective System to comply with CEC.
3. Wire and cable shall be new, manufactured not more than six (6) months prior to installation, shall have size, type of insulation, voltage rating and manufacturer's name permanently marked on outer covering at regular intervals.
4. Wire and cable shall be factory color-coded by integral pigmentation with a separate color for each phase and neutral. Each system shall be color-coded and it shall be maintained throughout.

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PROJECT 22007
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Gold River, CA 95670
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APPROVALS

PROJECT TITLE

CITY OF BERKELEY ALLSTON CORPORATION YARD, BUILDING 'B',GREEN ROOM

1326 ALLSTON WAY BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

N&T JOB NUMBER

REVISIONS

1	01-10-23	PLAN CHECK COMMENTS
2	02-23-23	PLAN CHECK COMMENTS

DRAWN BY JRC CHECKED BY DA

SHEET TITLE

ELECTRICAL SPECIFICATIONS

SHEET NUMBER

E2.0

5. Systems Conductor Color Coding:
   a. Power 208/120V, 3PH, 4W:
      1) Phase A = Black
      2) Phase B = Red
      3) Phase C = Blue
      4) Neutral = White or White with Phase Color Tracer
      5) Switchlegs = Purple (Switchlegs shall also be identified separately by numerical tags)
      6) Travelers = Purple with Black stripe or Pink
   b. Power 480/277V, 3PH, 4W:
      1) Phase A = Brown
      2) Phase B = Orange
      3) Phase C = Yellow
      4) Neutral = Grey or Grey with Phase Color Tracer
      5) Switchlegs = Purple (Switchlegs shall also be identified separately by numerical tags).
      6) Travelers = Purple with Black stripe or Pink.
   c. Ground Conductors: Green
   d. Isolated Ground Conductors: Green with continuous Yellow stripe
   e. Fire Alarm System: As recommended by the manufacturer
6. All color-coding for #12 through #6 AWG conductor shall be as identified above. Conductors #4 AWG and larger shall be identified by utilizing phase tape at each termination.
7. No conductors carrying 120V or more shall be smaller than #12 AWG.
8. Aluminum conductors shall not be used.
9. Wire-pulling compounds used as lubricants in installing conductors in raceways shall only be "Polywater J". No oil, grease, graphite, or similar substances may be used. Pulling of #1/0 or larger conductors shall be done with an approved cable pull machine. Other methods; e.g. using vehicles or block and tackle to install conductors are not acceptable.

O. Junction and Pullboxes:
1. For interior dry locations, boxes shall be NEMA 1 galvanized one-piece drawn steel, knockout type, with removable, machine screw secured covers.
2. For outside, damp or surface locations, boxes shall be NEMA 3R heavy cast aluminum or cast iron with removable, gasketed, non-ferrous machine screw secured covers.
3. For in-grade applications, junction and pull boxes shall be pre-cast concrete or molded fiberglass manufactured by Christy, Brooks-Jensen, or Utility Vault Co. Fiberglass boxes shall:
   a. Be used only in landscape planter areas that are not subject to damage from lawnmowers, tractors and other machinery.
   b. Not be used in lawn or turf areas.
   c. Not exceed 11" W x 17" L in size unless required to be larger to meet code requirements.
4. All boxes shall be sized for the number and sizes of conductors and conduits entering the box and equipped with plaster rings where required.
5. All boxes located in traffic areas shall be traffic rated.

P. Outlet Boxes:
1. For fixtures, boxes shall be galvanized, one-piece drawn steel, knockout type equipped with 3/8" fixture studs and plaster rings where required.
2. For convenience outlets, wall switches, or other devices, outlet boxes shall be galvanized one-piece drawn steel, knockout type 4" x 4" x 2-1/8" minimum size with plaster rings as required.
3. For locations where standard boxes are not suitable due to number and size of conduit to be terminated, special boxes shall be designed to fit space or meet other requirements and submitted for approval.
4. For exposure to weather, damp locations, or surface mounting, outlet boxes shall be heavy cast aluminum or cast iron with threaded hubs; covers shall be watertight with gaskets and non-ferrous screws.
5. Outlet boxes used for support of ceiling fans shall be galvanized, one-piece drawn steel, knockout type equipped with bracing bars and plaster rings where required and listed for ceiling fan support use. Such boxes shall be labeled and capable of supporting ceiling fan weights up to 70 pounds.
6. See drawings for floor box installation notes and specifications.

Q. Plywood Backboards: Where indicated for telephone or communications system terminals or other equipment assemblies, provide backboards of size indicated. Use 3/4" thick x 8' tall (length per plans), Douglas Fir, void-free, kiln-dried, fire-rated plywood finished on one side and prime coat painted on all surfaces with finish coat of enamel paint, color by architect. Leave one (1) fire-rating stamp/sheet exposed for inspection.

R. Terminal Cabinets:
1. Terminal cabinets shall be fabricated of hot dipped galvanized code gauge sheet metal for flush or surface mounting, complete with barriered sections, a door for each vertically barriered section, and sizes as indicated on plan. Doors shall be hinged and lockable. Locks shall be keyed to match the branch circuit panelboards. Terminal cabinet trims shall match the branch circuit panels.
2. Provide each terminal cabinet with a full size mounting backplate.
3. Terminal cabinets shall be installed complete with full-length skirts of the same construction and finish as the terminal cabinet.
4. Where mounted outdoors, terminal cabinets shall be NEMA 3R, weatherproof complete with gaskets and required sealant to prevent moisture from entering the terminal cabinet.
5. All terminal cabinets and terminal cabinet barriered sections shall be labeled by the cabinet or cabinet section use (i.e. CATV, Security, etc.). Labels shall be Micarta type as specified elsewhere in these specifications. Unless otherwise noted, all termination blocks and cables shall be labeled per ANSI/EIA 606 standard.

S. Painting: Terminal cabinets, panels, junction boxes, pull boxes, etc., and conduit installed in public view shall be painted with colors selected by the Architect to match the subject surface. Refer to painting section of the specifications for additional requirements.

PART 3 - EXECUTION

3.1 PREPARATION AND INSTALLATION

A. Installation of Conduit and Outlet Boxes:
1. All conduit installed in the dry walls or ceilings of a building shall be steel tube (EMT), aluminum tube (EMT), or intermediate Metal Conduit (IMC). Flexible conduit shall not be used in lieu of EMT, IMC or rigid conduit except as noted herein.
2. Galvanized rigid conduit (GRC) or intermediate metal conduit (IMC) shall be used as follows:
   a. When noted on the drawings.
   b. When considered exposed to damage by the local AHJ.
   c. When installed in wet or damp locations and of a trade size where listed-raintight fittings, connectors, couplings, etc. are unavailable.
   d. When required by CEC.
   e. When installed in concrete and masonry. The use of ENT in CMU walls and parking structures may be allowed only as directed in writing by the Engineer. Request for ENT substitution must be made prior to bid and in accordance with pre-bid substitution request requirements of these specifications.
3. Intermediate metal conduit (IMC), is approved for use in all locations as approved for GRC or EMT and in accordance with CEC Article 342.
4. Flexible steel conduit shall only be permitted to be used at light fixture outlets and connections to vibrating electrical equipment. All flexible steel conduit runs shall be less than 6'-0". Except when concealed in walls or other structural elements, all outdoor installation shall be made using liquid-tight flex with approved fittings. Include a separate insulated green ground conductor sized per NEC in each conduit. Other uses of flexible conduit shall be allowed only as approved in writing by the Engineer.
5. Flexible liquid-tight conduit shall be installed in lieu of the flexible steel where required by NEC, or CEC where adopted, in damp and wet location, where exposed to weather, in refrigerated area (65 Deg. F or less), and/or between seismic joints. All rotating electrical equipment shall be supplied with flexible, liquid-tight conduit with appropriate slack and shall not exceed thirty-six (36) inches. Include a separate insulated green ground conductor sized per NEC in each conduit. Other uses of liquid-tight flexible conduit shall be allowed as approved in writing by the Engineer on a case by case basis.
6. Rigid metallic conduit installed underground or embedded in concrete shall be 1" trade size minimum and shall be wrapped with 20 mil polyvinyl chloride plastic tape. PVC conduit installed underground or imbedded in concrete shall be 3/4" minimum trade size.
7. Conduit shall be run so as not to interfere with other piping, fixtures or equipment.
8. The ends of all conduits shall be cut square, carefully reamed out to full size and shall be shouldered in fitting.
9. No running threads will be permitted in locations exposed to the weather, in concrete or underground. Special union fittings shall be used in these locations.
10. Where conduit is underground, under slabs or grade, exposed to the weather, or in wet locations, make joints liquid tight and gas tight.
11. All metal conduit in masonry and concrete and where concealed under floor slabs shall have joints painted with thread compound prior to makeup.
12. PVC conduit shall not be run in walls except where approved by the Engineer prior to bid in limited instances that may include concrete or CMU walls used in site retaining, parking structures, or exterior equipment yard or enclosure walls, etc.
13. Where conductors enter a raceway or a raceway in a cabinet, pull box, junction box, or auxiliary gutter, the conductors shall be protected by a plastic bushing type fitting providing a smoothly rounded insulating surface.
14. Where conduit extends through roof to equipment on roof area, the Contractor shall provide flashing material compatible with the roofing system as required by the roofing specifications or as required by the Owner's roof warranty. This flashing shall be delivered to the roofing Contractor for installation. The actual location of all such roof penetrations and outlets shall be verified by the Architect/Owner. Contractor to verify type of flashing prior to bid and include all costs.
15. All conduit shall be supported at intervals not less than 6'-0" and within 12" from any outlet and at each side of bends and elbows. Conduit supports shall be galvanized, heavy stamped, two-hole conduit clamp properly secured.
16. Where conduit racks are used, the rack shall consist of two piece conduit clamps attached to galvanized steel slotted channels, properly secured via threaded rods attached directly to the building structure.
17. Nail-in conduit supports, one-piece set screw type conduit clamps or perforated iron for supporting conduit shall not be used.
18. All conduit runs shall be installed parallel or perpendicular to walls, structural members, or intersection of vertical planes and ceilings. Field made bends and offset shall be avoided where possible. Crushed or deformed raceway shall not be installed.
19. Open knockouts in outlet boxes only where required for inserting conduit.
20. Locate wall outlet of the same type at same level in all rooms, except where otherwise noted.
21. Outlet boxes on metal studs shall be attached to metal hangers, tack welded or screwed to studs; On wood studs attachment shall be with wood screws, nails are not acceptable.
22. Recessed boxes shall not be mounted back-to-back in any wall; minimum offset shall be 24 inches.
23. Junction Boxes that do not contain any device(s) shall be located in storage rooms, electrical closets or above accessible ceilings, not in hard lid ceilings or other forms of inaccessible ceilings. Place boxes which must be exposed to public view in a location approved by the Owner's Project Manager. Provide covers or plates to match adjacent surfaces as approved by the Owner's Project Manager.
24. Surface mounted pull boxes, terminal cabinets, junction boxes, panel boards etc., shall be attached to walls using appropriate screws, fasteners, backing plates, stud blocking, etc., as detailed on architectural and/or structural drawings. If architectural and/or structural drawings are not provided on the project, Contractor shall provide all necessary mounting hardware and backing support to comply with local building code requirements and any additional requirements imposed by the local Authority-Having-Jurisdiction.
25. Except where below grade, sleeves shall be installed where conduit passes through masonry or concrete walls and shall be 24 gauge galvanized steel no more than 1/2" greater in diameter than the outside diameter of the conduit. When located in non-rated structures, caulk conduit sleeve with stone wool. When located in fire rated structures, provide UL listed fire stopping system. See fire stopping section of this specification for additional requirements.
26. All boxes shall be covered with outlet box protector, Appleton SB-CK, or similar device/method to keep dirt/debris from entering box, conduit or panels. If dirt/debris does get in, it shall be removed prior to pulling wires.
27. All boxes installed outdoors shall be suitable for outdoor installations, gasketed, screw cover, and painted as directed by the Architect with weatherproof paint to match building.
28. All conduit entries to outdoor mounted panels, cabinets, boxes, etc., shall be made using Myers "SCRU-TITE" hubs Series ST.
29. Provide nylon or a 1/8-inch O.D. polyethylene rope, rated at 250 pounds tensile strength, in all conduits more than 5 feet in length left empty for future use. Not less than 5 feet of rope shall be left at each end of the conduit. Tag all lines with a plastic tag at each end indicating the termination/stub location of the opposite end of the conduit.
30. All multiple conduit runs within suspended ceilings shall be suspended from building structure by means of unistrut hangers/racks. Conduit shall not be allowed to lay on ceiling or be supported from ceiling suspension wires or other suspension system. Support conduit to structure above suspended ceilings 8" minimum above ceiling to allow removal of ceiling tile. Maintain two inch clearance above recessed light fixtures.
31. All exposed conduits and support hardware shall be painted to match the finish of the wall or ceiling to which it is supported.
32. Seal all conduits where termination is subject to moisture or where conduit penetrates exterior wall, floor or roof, in refrigerated areas, classified (hazardous areas) and as indicated on the drawings.
33. Except as otherwise indicated on the drawings or elsewhere in these specifications, bends in feeder and branch circuit conduit 2 inches or larger shall have a radius or curvature of the inner edge, equal to not less than ten (10) times the internal diameter of the conduit. Except where sweeping vertically into a building where sweep radius equals ten (10) times conduit diameter, underground communications and building interconnect conduits 3 inches or larger shall have a minimum 12'-6" radius or curvature of the inner edge. For the serving utilities, radius bends shall be made per their respective specifications.
34. Tag all empty conduits at each accessible end with a permanent tag identifying the purpose of the conduit, footage end-to-end, and the location of the other end. In wet, corrosive outdoor or underground locations, use brass, bronze, or copper 16 gauge tags secured to conduit ends with #16 or larger galvanized wire. Inscribe on the tags, with steel punch dies, clear and complete identifying information.
35. The following additional requirements shall apply to underground conduits:
   a. Underground conduit shall be Schedule 40 PVC (polyvinyl chloride) unless otherwise indicated elsewhere in these specifications or as required per CEC.
   c. In all cases, where any conduit(s) pass under a building slab or footing, the electrical contractor will provide a Bentonite clay or concrete barrier that conforms to the height and width of the trench excavation extending a minimum of 24" on either side of the foundation. In all cases, where conduit(s) pass through a sleeve in a footing or other foundation element, the electrical contractor will provide a Bentonite clay or concrete barrier between the sleeve and the conduit(s) surrounding the conduit(s) for the entire depth of the sleeve. The barrier is required to prevent passage of moisture under or through the slab or footing via the trench or sleeve.
   d. Where underground conduit passes under a building slab, concrete encasement may not be required, except as required above, contact the Engineer for written direction prior to omitting any encasement.
   f. Include a separate insulated green ground conductor sized per NEC, or CEC where adopted, in each underground electrical feeder/branch circuit.
   g. All underground conduits with circuits rated at 40A or greater and all underground communications conduits shall be provided with a metallic marker tape located 12" below the finished grade.
   h. Where underground conduits sweep into/through slabs, utilize PVC 90 degree sweeps that transition, via female PVC adapter to GRC coupling mounted flush in slab. GRC couplings shall be 1/2 lap taped with 20 mil tape. If the distance of the conduit run between a sweep and the next connecting sweep, pullbox, vault or manhole exceeds 150 ft then the sweep shall be concrete encased. Exceptions:
      1) Communications conduits shown terminating at a finished floor shall have an additional 4" high GRC nipple equipped with a bushing, removable conduit plug, labeling tag and pull rope. Tie off pull rope to conduit plug.
      2) Utility conduit sweeps shall be installed per the requirements of the respective utility company.
   i. All PVC conduit shall be glued for a water and gas tight installation. The Contractor shall use appropriate solvent on all joints prior to gluing conduit and fittings together.
   j. All underground conduit work shall conform to the Federal, State and Local Safety Orders or Rules regarding excavations, trenches and related earthwork. Refer to the California Code of Regulations, Title 8, Construction Code Sections 1540 and 1541 for additional requirements.

B. Installation of 600V Conductors:
1. All electrical wire, including signal circuits, shall be installed in conduit.
2. All circuits and feeder wires for all systems shall be continuous from overcurrent protective device or switch to terminal or farthest outlet. No joints shall be made except in pull, junction or outlet boxes, or in panel or switchboard gutters.
   a. Utilize pre-insulated "winged" spring type connectors, 3M Company "Performance Plus" #O/B or #R/Y or equal and as required for splices and taps in conductors #6 AWG and smaller. When a spring connector is used in an underground environment or when subject to moisture, utilize a 3M Company Scotchcast 3507G epoxy resin connector sealing pack to seal the spring connector. THE USE OF PUSH-WIRE CONNECTORS (e.g. "WAGO" OR EQUIVALENT) IS STRICTLY PROHIBITED.
   b. Wires #4 AWG and larger AWG shall be joined together as follows:
      1) When located in an underground environment or when subject to moisture, the splice shall be made with compression connector and sealed by a 3M, or equal, PST cold shrink connector insulator.
      2) When located in an interior environment, the splice shall be made with an ILSCO or equal dual rated, insulated splicer-reducer connector or multi-tap connector listed for use with 75/90 degree Celsius rated conductors.
   c. Connections to busbar shall be made with dual-rated copper/aluminum one-piece compression lugs. Paralleled conductor connections shall be by mechanical lugs.
3. Thoroughly clean all conduit and wire-ways and see that all parts are perfectly dry before pulling any wires.
4. Install UL approved fixture wire from all lighting fixture lamp sockets into fixture outlet or junction box.
5. For 20A branch circuit wiring, increase #12 conductors to #10 for 120V circuits longer than 100 feet and for 277V circuits longer than 150 feet.
6. Conductor Support: Provide conductor supports as required by codes and recommended by cable manufacturer. Where required, provide cable supports in vertical conduits and provide lower end of conduit with a ventilator.

C. Grounding/Bonding:
1. Provide grounding and bonding for entire electric installation as shown on plans, as listed herein, and as required by applicable codes. Included, but not limited to, are items that require grounding/bonding:
   a. Conduit, raceways and cable trays.
   b. Neutral or identified conductors of interior wiring system.
   c. Panel boards, Distribution boards, Switchgear and Switchboards.
   d. Non-current carrying metal parts of fixed equipment.
   e. Telephone distribution equipment.
   h. Exposed metal in maintenance holes, hand holes.
   j. Metal piping installed in or attached to a building/structure.
   k. Metallically isolated structural steel.
   l. Metallically isolated underground metal water piping.
2. Use of Ground Rods: Furnish and install required number of 3/4" x 10' copper clad ground rods to meet specified resistance, all required grounding wires, conduit and clamps. The size of the grounding conductors shall be not less than that set forth in the latest edition of the California Code of Regulations, Title 24, State of California and NEC (or CEC where adopted), unless otherwise indicated. Rods shall be installed such that at least 10 feet of length is in contact with the soil. Where rock bottom is encountered, the electrode shall be driven at an oblique angle not to exceed 45 degrees from vertical or shall be buried in a trench that is at least 30 inches deep. The upper end of the electrode shall be flush with or below ground level unless the above ground end and the grounding electrode conductor attachments are protected against physical damage. Unless otherwise noted, connection to the grounding electrode conductor may be by compression type or exothermic process connector. Mechanical connectors shall not be used.
3. Grounding System Connection:
   a. Compression connectors shall be unplated copper, manufactured by Burndy, or approved equal, designed specifically for the intended connection.
   b. Exothermic weld-type connectors shall be 'Cadweld' manufactured by Erico Products, or approved equal, designed specifically for the intended connection.
   c. Mechanical connectors shall not be used.
4. Provide separate green equipment ground conductor in all electrical raceways to effectively ground all fixtures, panels, controls, motors, disconnect switches, exterior lighting standards, and non current-carrying metallic enclosures. Use bonding jumpers, grounding bushings, lugs, busses, etc., for this purpose. Connect the equipment ground to the building system ground. Use the some size equipment ground conductors as phase conductors, up through #10 AWG. Use CEC Table 250.122 for conductor size with phase conductors #8 and larger, if not shown on the Drawings.
5. Clean the contact surfaces of all ground connections prior to making connections.
6. Ductwork: Provide a flexible ground strap, No. 6 AWG equivalent, at each flexible duct connection at each air handler, exhaust fan, and supply fan, and install to preclude vibration.
7. Motors: Connect the ground conductor to the conduit with an approved grounding bushing, and to the metal frame with a bolted solderless lug. Bolts, screws and washers shall be bronze or cadmium plated steel.
8. Building grounding system resistance to ground shall not exceed 25 ohms unless otherwise noted and should be confirmed by testing.

D. Line Voltage and Low Voltage Power Supplies to all Mechanical Equipment Including Plumbing, Heating and Air Conditioning Units:
1. An electric power supply, including conduit, any necessary junction and/or outlet boxes and conductors and connection shall be furnished and installed by the Contractor for each item or mechanical equipment.
2. Power supplies to individual items of equipment shall be terminated in a suitable outlet or junction box adjacent to the respective item of equipment, or a junction box provided by the manufacturer or the equipment and directed by the Mechanical Contractor. Allow sufficient lengths of conductor at each location to permit connection to the individual equipment without breaking the wire run.
3. The location of all conduit terminations to the equipment is approximate. The exact location of these conduit terminations shall be located and installed as directed by the Mechanical or Plumbing Contractor.
4. Provide power supplies to all plumbing and mechanical equipment, including, but not limited to, equipment furnished and installed by Owner or Contractor, such as heating and air conditioning equipment, pumps, boilers, auto valves and water coolers, etc. The installation shall produce a complete and operable system.
5. Unless otherwise noted, the Contractor shall furnish and install all conduit, boxes, wires, etc., for line voltage wiring and low voltage wiring.
6. It is the Contractor's responsibility to verify with the drawings of other trades regarding the extent of his responsibility for mechanical equipment. The bid must include a sum sufficient to cover the cost of the installation.
7. The location of all power supply connection and/or terminations to the mechanical equipment is approximate. The exact locations of these terminations shall be verified with other trades during construction.

E. Prefabricated Equipment: Installation of all prefabricated items and equipment shall conform to the requirements of the manufacturer's specifications and installation instruction pamphlets. Where code requirements affect installation of materials and equipment, the more stringent requirements, code or manufacturer's instructions and/or specifications, shall govern the work.

END OF SECTION

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SEAL

REGISTERED PROFESSIONAL ENGINEER
NATHAN A. HEATH
No. E 23927
3-31-2024
ELECTRICAL
STATE OF CALIFORNIA
4/07/2023

Date Signed: 8/1/23

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PLUMBING FIXTURE SCHEDULE

SYMBOL	DESCRIPTION	CONNECTION W	V	CW	HW
DF-1	BOTTLE FILLER: BARRIER FREE, WALL MOUNT, STAINLESS STEEL, BOTTLE FILLING STATION, 115VAC, 1A SLOAN: DRS100-FIL-UNREF-SS	1-1/2"	1-1/2"	1/2"	---
FD-1	FLOOR DRAIN: CAST IRON BODY WITH ADJUSTABLE ROUND POLISHED NICKEL BRONZE STRAINER. VANDAL-PROOF SCREWS. 1/2" TRAP PRIMER CONNECTION. J.R. SMITH MODEL: 2005-A-06	2"	1-1/2"	---	---
L-1	RAMPSINK: SONOMA CAST STONE, COORDINATE EXACT MODEL WITH OWNER/ARCHITECT. FAUCET: BARRIER FREE, 0.5 GPM, SINGLE HOLE, KOHLER K-46024-4	1-1/2"	1-1/2"	1/2"	1/2"
MS-1	MOP SINK: FLOOR MOUNTED, 24 IN. X 24 IN., RECEPTORIS MADE OF TAN AND WHITE MARBLE CHIPS CAST IN PORTLAND CEMENT FLORESTONE MODEL 90 "TERRAZZO" FAUCET: BARRIER FREE, HOSE-END SPOUT TYPE WITH INTEGRAL VACUUM BREAKER, WALL BRACE, PROFLO PF1119	2"	1-1/2"	1/2"	1/2"
S-1	SINK: BARRIER FREE, SINGLE BOWL, SELF RIMMING, 22 GAUGE BRUSHED STAINLESS STEEL, 17 IN.x19 IN.x6-1/8 IN., PROFLO: PFSR171963 FAUCET: BARRIER FREE, DECK PLATE, LEVER HANDLEs, 1.2 GPM AERATOR PROFLO: PFWSC1120CP	2"	1-1/2"	1/2"	1/2"
SH-1	SHOWER SYSTEM: BARRIER FREE, TEMTROL PRESSURE BALANCING VALVE, 36" SLIDE BAR, HAND SHOWER, 1.5 GPM, 60" FLEXIBLE METAL HOSE, SYMMONS MODEL: S9608PLRTRM, S9608PLRTRMTC	---	---	1/2"	1/2"
TP-1	TRAP PRIMER: PPP MODEL P1-500 WITH 1/2" INLET WITH DU-U DISTRIBUTION UNIT FOR UP TO FOUR DRAIN APPLICATION AS NEEDED	---	---	1/2"	---
U-1	URINAL: BARRIER FREE, WALL MOUNTED, .125 GPF, VITREOUS CHINA, 3/4 INCH TOP SPUD, SLOAN MODEL: WEUS-1000.1001	2"	1-1/2"	AS REQ'D	---
WC-1	WATER CLOSET: BARRIER FREE, FLOOR MOUNTED, 1.28 GPF, ONE-PIECE, ELONGATED BOWL, VITREOUS CHINA, 12" ROUGH-IN, SLOAN MODEL: WETS-8029-8010, TRIP LEVER TO BE ON WIDE SIDE OF STALL PROVIDE SUPPLY, BOLT CAPS AND TOILET SEAT	4"	2"	AS REQ'D	---

PLUMBING SYMBOL LIST

NOTE: This is a standard symbol list and not all items listed may be used.

Abbreviations

(E)	EXISTING
(N)	NEW
BFF	BELOW FINISHED FLOOR
CO	CLEANOUT
CW	COLD WATER
FF	FINISHED FLOOR
HW	HOT WATER
TDL	TOTAL DEVELOPED LENGTH
VTR	VENT THRU ROOF
SS	SANITARY SEWER
WCO	WALL CLEANOUT

Piping Fittings

- CAP
- COTG — CLEANOUT TO GRADE
- FCO — FLOOR CLEANOUT
- PIPE DROP
- PIPE RISE
- TEE DOWN ON PIPE
- WCO — WALL CLEANOUT

Piping Systems

- COLD WATER PIPING
- HOT WATER PIPING
- SANITARY VENT PIPING
- SANITARY WASTE OR SOIL PIPING ABOVE GRADE OR FINISHED FLOOR
- SANITARY WASTE OR SOIL PIPING BELOW GRADE OR FINISHED FLOOR

General

- CONTINUATION
- (X) KEYED NOTE

GENERAL PLUMBING NOTES

A. VTR's SHALL BE A MINIMUM OF 10'-0" FROM ANY OUTSIDE AIR INTAKES.

B. LOCATE ALL VALVES FOR SERVICE ACCESSIBILITY.

C. PROVIDE CLEANOUTS PER 2019 CPC §707.0 AS REQUIRED. PROVIDE COVER PLATES FOR VISIBLE WALL CLEANOUTS.

D. PROVIDE PIPING, EQUIPMENT, AND MATERIALS IN ACCORDANCE WITH APPLICABLE PLUMBING CODE REGULATIONS AND STANDARDS, AUTHORITIES HAVING JURISDICTION, AND AS OTHERWISE RECOMMENDED OR DIRECTED BY MANUFACTURERS.

E. PROVIDE APPROVED PROTECTIVE COVER FOR HOT AND WATER SUPPLY AND DRAIN PIPING FOR ALL ACCESSIBLE LAVATORIES AND SINKS.

F. FOAM CORE PVC PIPE IS NOT ACCEPTABLE ON THIS PROJECT.

PLUMBING PIPING MATERIALS	
POTABLE WATER	TYPE K (BELOW GROUND) COPPER OR CPVC TYPE L (ABOVE GROUND) COPPER OR 2" OR LARGER CPVC, BELOW 2" PEX
DRAIN, WASTE AND VENT	SOLID CORE ABS OR SOLID CORE PVC

SHEET INDEX

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SEAL

REGISTERED PROFESSIONAL ENGINEER — No. M25130 Exp. 09-30-23 — MECHANICAL — STATE OF CALIFORNIA

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PLUMBING COVER SHEET

SHEET NUMBER

P0.1

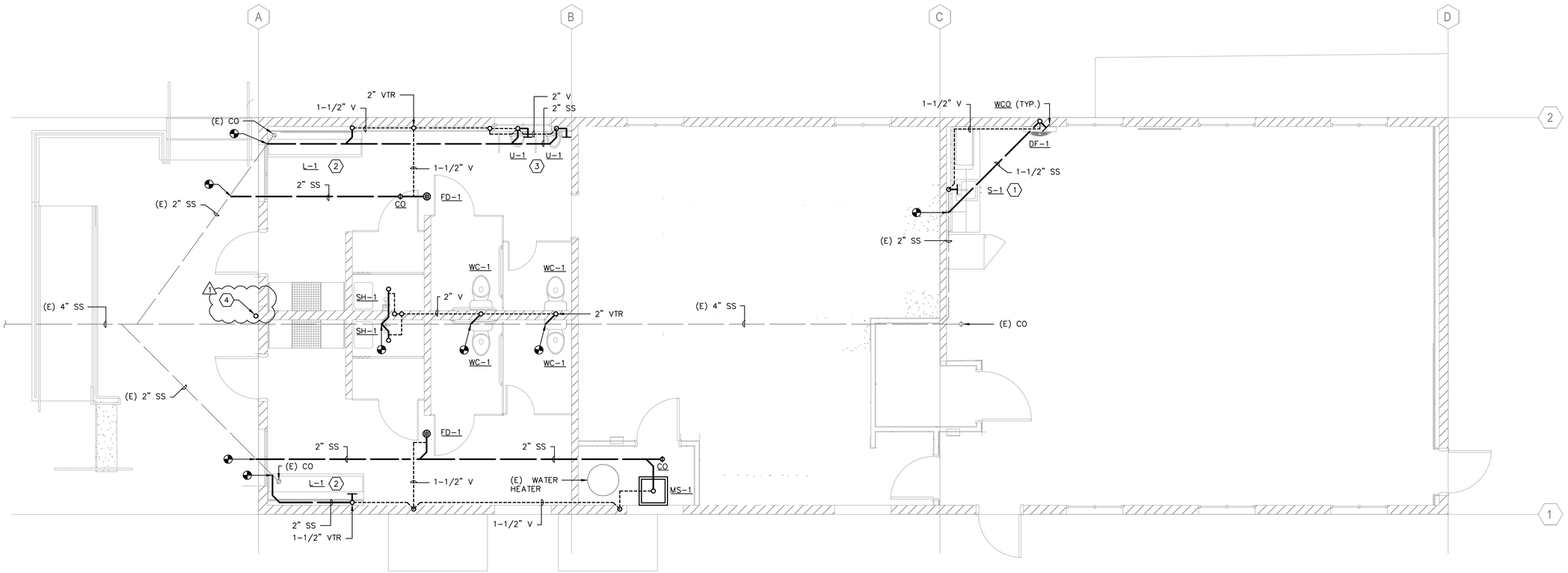
GENERAL SHEET NOTES

A. ALL HORIZONTAL SANITARY SEWER PIPING TO BE SLOPED AT MINIMUM 2% PER 2019 CPC, SECTION 708.1.

B. PROVIDE CLEANOUTS PER 2019 CPC §707.0 AS REQUIRED. PROVIDE COVER PLATES FOR VISIBLE WALL CLEANOUTS.

SHEET KEYNOTES

1. CONNECT NEW SINK TO EXISTING WASTE AND VENT SYSTEMS.
2. CONNECT NEW LAVATORY TO EXISTING WASTE AND VENT SYSTEMS.
3. CONNECT NEW URINALS TO EXISTING WASTE AND VENT SYSTEMS.
4. NEW DOWNSPOUT AND BOOT SHOWN FOR REFERENCE. SEE ARCHITECTURAL DRAWINGS FOR ADDITIONAL INFORMATION.



1 GROUND FLOOR WASTE AND VENT PLAN

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

0 2' 4' 8'

NOLL & TAM ARCHITECTS

729 Heinz Avenue
Berkeley, CA 94710
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SEAL

REGISTERED PROFESSIONAL ENGINEER
No. M25130
Exp. 09-30-23
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STATE OF CALIFORNIA

Date Signed: 6/5/23

Stanton ENGINEERING M+E

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11344 Coloma Rd, Suite 445
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APPROVALS

PROJECT TITLE

CITY OF BERKELEY ALLSTON CORPORATION YARD, BUILDING 'B',GREEN ROOM

1326 ALLSTON WAY BERKELEY, CA 94702

BID SET

ISSUE DATE 03.31.2025

N&T JOB NUMBER

REVISIONS

1	01-10-23	PLAN CHECK COMMENTS
2	02-23-23	PLAN CHECK COMMENTS

DRAWN BY NN | CHECKED BY NN

SHEET TITLE

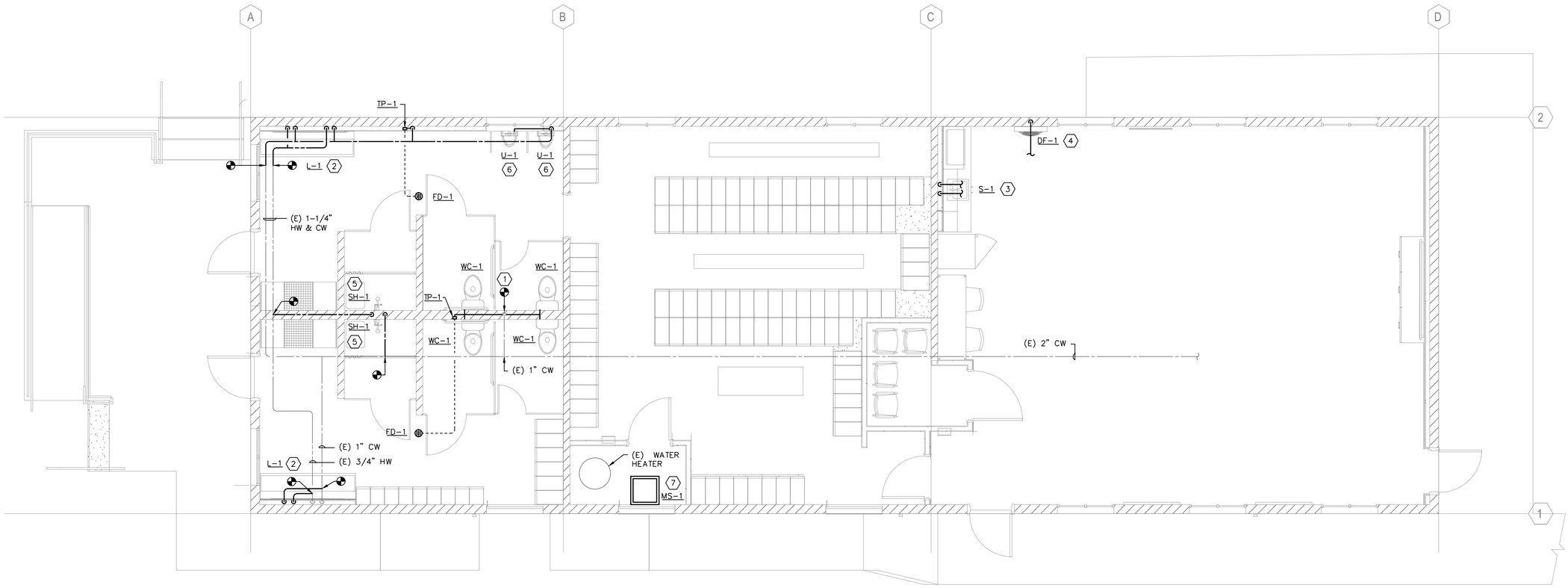
GROUND FLOOR WASTE AND VENT PLAN

SHEET NUMBER

P2.1

SHEET KEYNOTES

1. CONNECT WATER CLOSETS TO EXISTING COLD WATER SYSTEM.
2. CONNECT LAVATORY FAUCETS TO EXISTING HOT AND COLD WATER SYSTEMS. EACH LAVATORY WILL HAVE TWO FAUCETS.
3. CONNECT NEW SINK TO EXISTING HOT AND COLD WATER SYSTEMS THAT SERVED DEMOLISHED SINK.
4. CONNECT NEW DRINKING FOUNTAIN/BOTTLE FILLER TO NEAREST EXISTING COLD WATER SYSTEM
5. CONNECT NEW SHOWERS TO EXISTING HOT AND COLD WATER SYSTEMS.
6. CONNECT URINALS TO EXISTING COLD WATER SYSTEM.
7. LOCATE AND CONNECT TO NEAREST HOT AND COLD WATER SYSTEMS. PROVIDE 1/2 INCH HOT AND COLD WATER SUPPLY TO MOP SINK.



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SHEET TITLE

GROUND FLOOR WATER PLAN

SHEET NUMBER

P2.2