

CITY OF BERKELEY
PARKS, RECREATION &
WATERFRONT

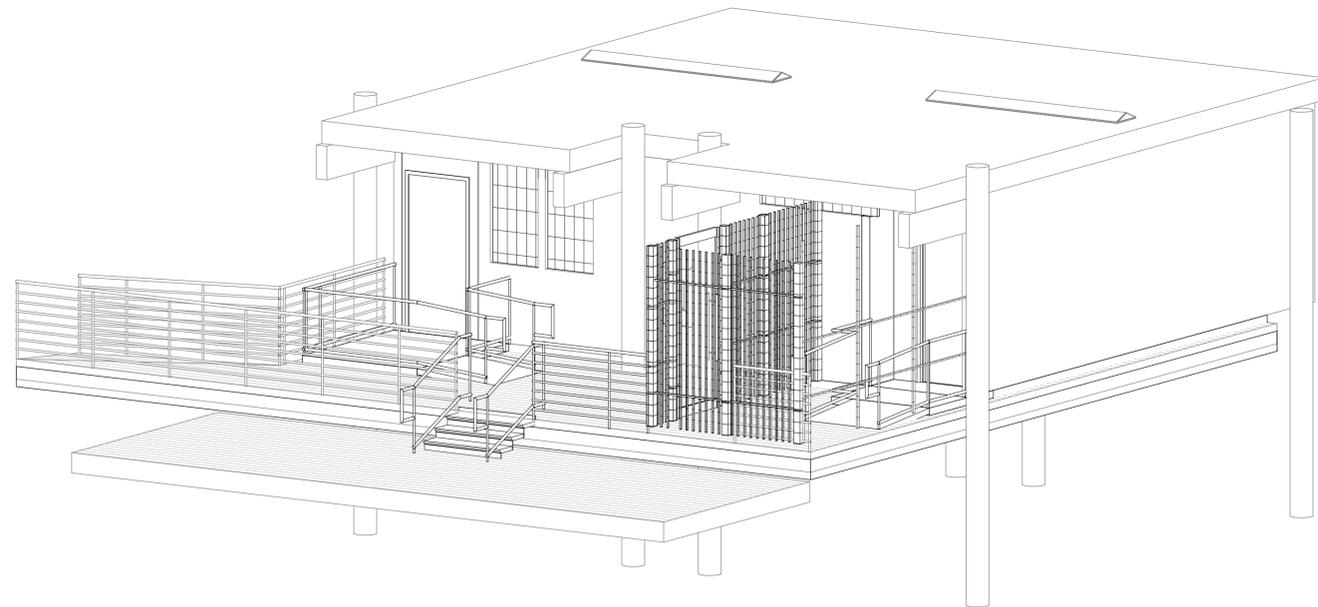
K-DOCK RESTROOM RENOVATION

201 UNIVERSITY AVENUE

BERKELEY MARINA, BERKELEY CA

ISSUED FOR PERMIT

MAY 7, 2025

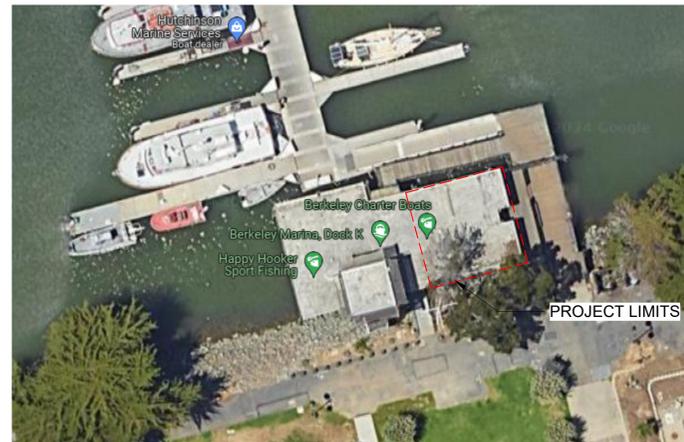


RESTROOM BUILDING AXONOMETRIC VIEW
NOT TO SCALE

CONSTRUCTION STAGING AREA
COORDINATE TIMING AND
EXACT BOUNDARY WITH
OWNER PRIOR TO SETUP.
CHAIN LINK FENCE WITH
GREEN SHADING FABRIC TO BE
PROVIDED BY CONTRACTOR



LOCATION MAP
NOT TO SCALE



SITE VICINITY MAP
NOT TO SCALE



ALLOWABLE CONSTRUCTION STAGING AREA
NOT TO SCALE



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No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025
2	PERMIT RESUBMITTAL 2	5/7/2025



ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN

PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

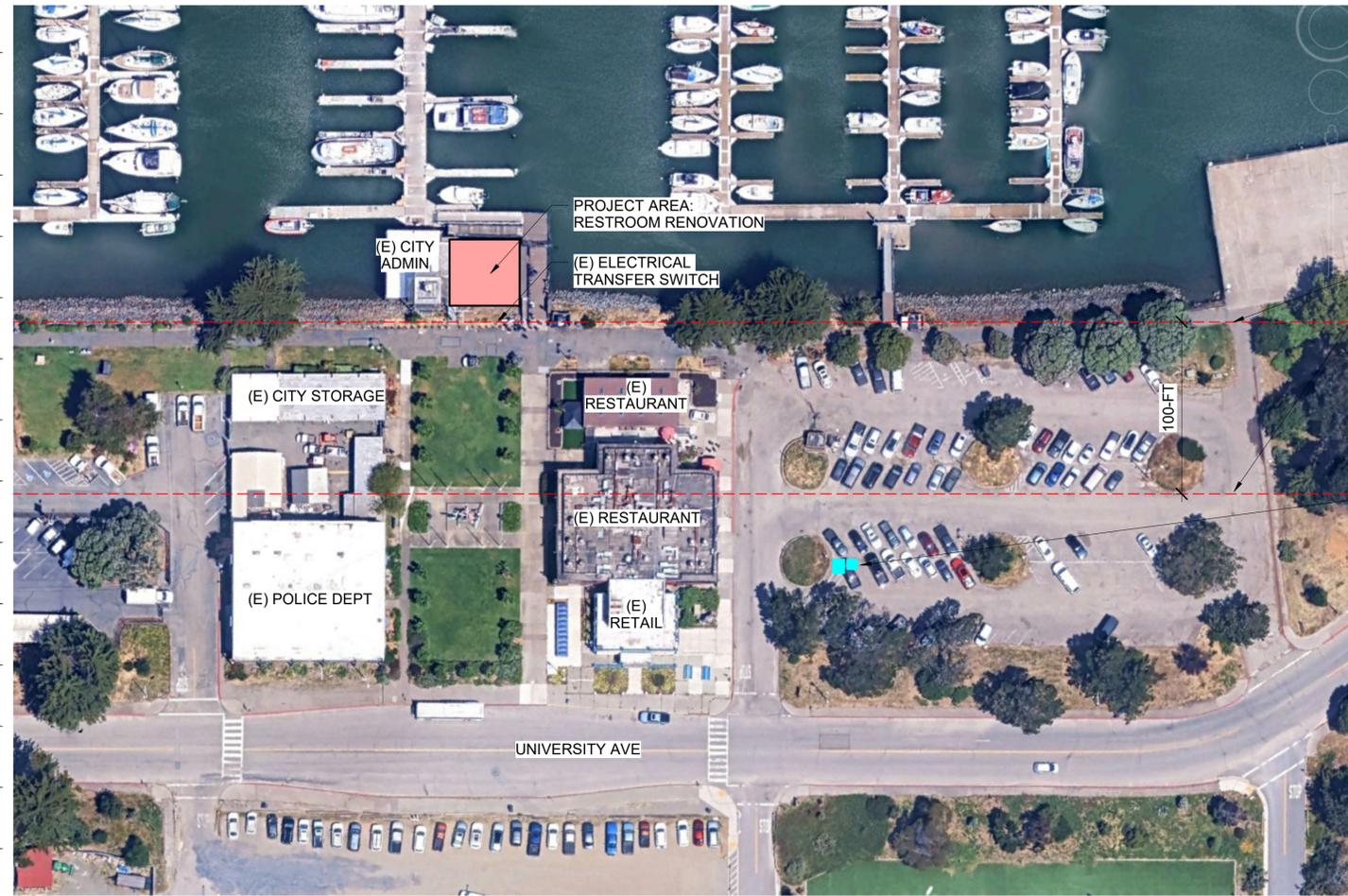
DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

COVER

K-DOCK RESTROOM RENOVATION

G-001



BCDC 100' SHORELINE BAND

ACCESSIBLE AND STANDARD PORTABLE TOILETS, TO BE PROVIDED AND MAINTAINED BY OWNER THROUGHOUT CONSTRUCTION PERIOD

100-FT

SCHEMATIC SITE PLAN
NOT TO SCALE



No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025

ISSUED FOR PERMIT		2000 CENTER ST STE 303 BERKELEY, CA 94704 PHONE: 510-835-2761 FAX: 510-842-1579	CONSULTANT	SCALE: AS SHOWN	DESIGN DKL DRAWN KN CHECK RWS	DATE 5/7/2025	CITY OF BERKELEY DEPARTMENT OF PARKS, RECREATION & WATERFRONT	SCHEMATIC SITE PLAN	G-002
				PROJECT NUMBER: P501220150				K-DOCK RESTROOM RENOVATION	

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STANDARD ABBREVIATIONS

ABV.	ABOVE	I.B.C.	INSTALLED BY CONTRACTOR
A/C	AIR CONDITIONING	I.B.O.	INSTALLED BY OTHERS
ACOUS.	ACOUSTICAL	INCL.	INCLUDE
A.D.	AREA DRAIN	INSUL.	INSULATION
ADD.	ADDENDUM	INT.	INTERIOR
ADJ.	ADJUST, ADJUSTABLE		
AGGR.	AGGREGATE	JAN.	JANITOR
A.F.F.	ABOVE FINISH FLOOR	JT.	JOINT
ALUM.	ALUMINUM		
ALT.	ALTERNATE	LAM.	LAMINATE
ANOD.	ANODIZED	LAV	LAVATORY
A.P.	ACCESS PANEL	LAM GL	LAMINATED GLASS
APPROX.	APPROXIMATE	LAV	LAVATORY
ARCH.	ARCHITECTURAL		
ASPH.	ASPHALT	MAINT	MAINTENANCE
ASSY.	ASSEMBLY	MATL	MATERIAL
A.T.C.	ACOUSTICAL TILE CEILING	MAX	MAXIMUM
AUTO.	AUTOMATIC	MECH.	MECHANICAL
A.W.P.	ACOUSTICAL WALL PANEL	MEMB.	MEMBRANE
		MFG.	MANUFACTURING
		MFR.	MANUFACTURER
		MIN.	MINIMUM
		MISC.	MISCELLANEOUS
		MTL.	METAL
		N/A	NOT APPLICABLE
CHNL	CHANEL	N.I.C.	NOT IN CONTRACT
C.G.	CORNER GUARD	NO.	NUMBER
CJ	CONSTRUCTION JOINT	NOM.	NOMINAL
CLG	CEILING	N.R.	NOT REQUIRED
CU	CONTROL JOINT	N.T.S.	NOT TO SCALE
CLR	CLEAR		
CMU	CONCRETE MASONRY UNIT	OA	OVERALL
COL	COLUMN	O.C.	ON CENTER
CONC	CONCRETE	O.H.	OVERHEAD
CONN(S)	CONNECTION(S)	OPP.	OPPOSITE
CONSTR.	CONSTRUCTION	O/	OVER
CONT	CONTINUOUS		
CONTR	CONTRACTOR	PDU	POWER DISTRIBUTION UNIT
CPT	CARPET	P.LAM.	PLASTIC LAMINATE
CS	CONCRETE SEALER	PLYWD.	PLYWOOD
CT	CERAMIC TILE	PR.	PAIR
CTR	CENTER	PROJ	PROJECT
		PT	PRESSURE TREATED
		PL	PLATE
DBL.	DOUBLE		
DEMO	DEMOLITION		
D.F.	DRINKING FOUNTAIN	R.	RELOCATE
DIA.	DIAMETER	R.B.	RUBBER BASE
DIM.	DIMENSION	RECEP.	RECEPTACLE
DISP.	DISPENSER	REFRIG.	REFRIGERATOR
DN.	DOWN	REQD	REQUIRED
D.S.	DOWN SPOUT	REV	REVISION
DWG.	DRAWING	RFG	ROOFING
		RM	ROOM
		R.O.	ROUGH OPENING
EA.	EACH		
ELEC.	ELECTRICAL	SC	SOLID CORE WOOD
ELEV.	ELEVATION - BUILDING	SECT	SECTION
ENCL.	ENCLOSE; ENCLOSURE	SF	SQUARE FEET
EQPT.	EQUIPMENT	SHT	SHEET
EQ.	EQUAL	SHWR	SHOWER
EX.(E)	EXISTING	SIM	SIMILAR
EXT.	EXTERIOR	S.O.G.	SLAB ON GRADE
		SPEC'D	SPECIFIED
F.E.	FIRE EXTINGUISHER	SS	STAINLESS STEEL
F.F.	FACTORY FINISH	STC	SOUND TRANSMISSION
FIN.	FINISH OR FINISHED		
FIN. FLR.	FINISH FLOOR	STD	STANDARD
FIXT.	FIXTURE	STG	STORAGE
FLOUR.	FLUORESCENT	STL	STEEL
FLR.	FLOOR	STRUCT	STRUCTURAL
F.O.I.C.	FURNISHED BY OWNER, INSTALLED BY CONTRACTOR	SV	SHEET VINYL
		SYS	SYSTEM
F.O.S.	FACE OF STUD		
FRTL	FIRE-RETARDANT TREATED LUMBER	TEMP GL	TEMPERED GLASS
FT.	FOOT, FEET	THRU	THROUGH
FURN.	FURNITURE	TYP	TYPICAL
F.V.	FIELD VERIFY	T&G	TONGUE & GROOVE
		TS	TUBE STEEL
		T&B	TOP & BOTTOM
GA	GAGE		
GALV	GALVANIZED	U.L.	UNDERWRITERS LABORATORIES
GFCI	GOVERNMENT FURNISHED, CONTRACTOR INSTALLED	UNCLASS	UNCLASSIFIED
		UNO	UNLESS NOTED OTHERWISE
GFGI	GOVERNMENT FURNISHED, GOVERNMENT INSTALLED		
GL	GLASS; GLAZING; GLAZED	VIF	VERIFY IN FIELD
GR.	GRADE	VT	VINYL TILE
GOV!	GOVERNMENT	VR	VAPOR RETARDER
GWB	GYPSUM WALL BOARD		
		W	WITH
HDR.	HEADER	W/O	WITHOUT
HOW.	HARDWARE	W.C.	WATER CLOSET
H.C.	HOLLOW CORE	WF	WIDE FLANGE
H.M.	HOLLOW METAL	WT	WIDTH
HORIZ.	HORIZONTAL	WD	WOOD
HE	HEIGHT	WR	WATER RESISTANT

SYMBOLS / LEGEND

	DETAIL/ELEVATION LETTER OR SECTION NUMBER
	REFERENCE BUBBLE
	SHEET DETAIL/ELEVATION/SECTION IS LOCATED
	SECTION CUT SYMBOL
	ELEVATION SYMBOL
	PLAN NORTH
	NEW WORK NOTE
	DEMOLITION NOTE
	DOOR TAG
	ROOM NUMBER
	REVISION TRIANGLE
	ELEVATION/WORK POINT SYMBOL
	WALL/PARTITION TYPE
	DIRECTION OF SLOPE
	BAFFLE NUMBER

HATCH PATTERNS

	CONCRETE MASONRY UNIT		ROUGH WOOD
	CONCRETE		FINISHED WOOD
	BRICK		PLYWOOD
	METAL		BATT INSULATION
	GRADING AND/OR RIGID INSULATION		GYPSUM BOARD AND/OR GRAVEL SURFACE
	SIDING AND/OR STANDING SEAM METAL PANEL ROOF SYSTEM		POROUS FILL AND/OR GRAVEL
			FILL AND/OR SURROUNDING EARTH

GENERAL NOTES

- HATCH PATTERNS INDICATED ON THIS SHEET ARE FOR STRUCTURAL AND ARCHITECTURAL SHEETS ONLY. REFER TO PLUMBING, MECHANICAL, FIRE PROTECTION AND ELECTRICAL SHEETS FOR ASSOCIATED HATCH PATTERNS.
- ABBREVIATION LIST AND SYMBOLS LEGEND INDICATED ON THIS SHEET ARE GENERALLY APPLICABLE TO ALL DISCIPLINES. ADDITIONAL DISCIPLINE-SPECIFIC SYMBOLS AND ABBREVIATIONS ARE SHOWN ON THE FIRST SHEET WITHIN THAT DISCIPLINE, WHERE THEY OCCUR.
- UNLESS NOTED OTHERWISE, COLUMN GRID DIMENSIONS ARE TAKEN TO COLUMN CENTERLINES.
- DO NOT SCALE DRAWINGS. VERIFY ALL DIMENSIONS IN FIELD PRIOR TO STARTING CONSTRUCTION AND NOTIFY CONTRACTING OFFICER OF ANY DISCREPANCIES DISCOVERED. UNLESS OTHERWISE NOTED, PLAN DIMENSIONS ARE TO FACE OF STUDS OR FACE OF CONCRETE WALLS.
- LUMBER DIMENSIONS WITH INCH MARKS (EXAMPLE 4"x6") INDICATE ACTUAL SIZE. LUMBER DIMENSIONS WITHOUT INCH MARKS (EXAMPLE 4X6) INDICATE NOMINAL SIZE, AND THE ACTUAL SIZE IS SMALLER.
- THE DRAWINGS, SPECIFICATIONS AND RELATED NOTES ARE PROVIDED TO ILLUSTRATE THE DESIGN AND GENERAL TYPE OF CONSTRUCTION OF THE PROJECT AND TO DEFINE THE SCOPE OF THE WORK.
- BEFORE COMMENCING ANY WORK, THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY ERRORS OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS OR ANY DISCREPANCIES BETWEEN THE DRAWINGS OR SPECIFICATIONS AND THE FIELD CONDITIONS FOUND, AND SHALL REQUEST CLARIFICATION.
- IF ANY SUSPECT ASBESTOS CONTAINING MATERIAL (ACM) IS FOUND DURING CONSTRUCTION, ALL WORK IN THAT AREA MUST CEASE AND THE OWNER MUST BE NOTIFIED, IMMEDIATELY. THE MATERIAL WILL BE SAMPLED AND ANALYZED BY A LICENSED FIRM AND CERTIFIED PERSONNEL IN ACCORDANCE WITH STATE REGULATIONS. ALL RESULTS WILL BE SUBMITTED TO THE OWNER UPON RECEIPT. IF IT IS DETERMINED THAT THE MATERIAL DOES NOT CONTAIN ASBESTOS, THE WORK IN THAT AREA MAY CONTINUE. HOWEVER, IF THE RESULTS INDICATE THAT THE MATERIAL CONTAINS ASBESTOS, THE AREA WILL BE SECTIONED OFF WITH ASBESTOS WARNING TAPE AND AN ABATEMENT PLAN WILL BE SUBMITTED TO THE OWNER.
- LAYOUT REQUIREMENT: AFTER DEMOLITION OR REMOVALS AND BEFORE CONSTRUCTION STARTS, THE CONTRACTOR SHALL CONFIRM THE LOCATIONS AND DIMENSIONS OF EXISTING WALLS, COLUMNS AND UTILITIES AND SHALL LAYOUT THE PLAN OF THE WORK TO ASSURE CONFORMANCE WITH THE DRAWINGS AND FOR REVIEW AND ACCEPTANCE BY THE ARCHITECT.
- ALL WORK SHOWN OR IMPLIED ON THE DRAWINGS OR LISTED IN THE NOTES AND SPECIFICATIONS SHALL BE SUPPLIED AND INSTALLED BY THE CONTRACTOR UNLESS OTHERWISE NOTED. THE CONTRACTOR SHALL COORDINATE ALL WORK UNDER THE CONTRACT.
- THE WORK SHALL CONFORM TO ALL LOCAL AND NATIONAL CODES, STANDARDS AND REGULATIONS WHICH ARE APPLICABLE TO THE WORK AND SHALL BE CONSTRUCTED AND PERFORMED CONSISTENT WITH THE RULES AND REGULATIONS OF ANY AUTHORITIES OR AGENCIES HAVING JURISDICTION.
- THE WORK SHALL CONFORM TO THE REQUIREMENTS OF THE "AMERICAN WITH DISABILITIES ACT" (ADA), "ADA STANDARDS FOR ACCESSIBLE DESIGN" OR OF ANY OTHER APPLICABLE ACCESSIBILITY STANDARDS AS REQUIRED BY THE AUTHORITIES HAVING JURISDICTION.
- MATERIALS AND INSTALLATIONS SHALL CONFORM TO THE MANUFACTURERS' PRODUCT SPECIFICATIONS, MANUALS, INSTALLATION REQUIREMENTS AND RECOMMENDATIONS.
- THE WORK SHALL BE INSTALLED IN STRICT ACCORDANCE WITH THE REQUIREMENTS OF LOCAL FIRE LAWS AND THE REGULATIONS OF LOCAL UTILITY COMPANIES AND OF ANY AUTHORITY HAVING JURISDICTION.
- THE CONTRACTOR SHALL REMOVE ALL RUBBISH AND DEBRIS DAILY EXCEPT ITEMS TO BE RE-USED OR AS OTHERWISE DIRECTED BY THE ARCHITECT OR OWNER.
- THE CONTRACTOR SHALL PERFORM ALL CUTTING, FITTING OR PATCHING OF THE WORK THAT MAY BE REQUIRED TO MAKE ALL PARTS COME TOGETHER PROPERLY.
- THE CONTRACTOR SHALL SURVEY ALL EXISTING FINISHED SURFACES AND REPAIR ALL CHIPS, CRACKS, DENTS AND HOLES TO PROVIDE A COMPLETE, LIKE-NEW FINISHED
- THE CONTRACTOR SHALL OBTAIN AND PAY ANY FEES FOR BUILDING DEPARTMENT PERMITS AND ANY OTHER REQUIRED PERMITS. FEES SHALL BE PAID AND PERMITS OBTAINED PRIOR TO THE COMMENCEMENT OF THE WORK.
- THE CONTRACTOR SHALL HAVE THE OVERALL RESPONSIBILITY FOR THE PROCUREMENT, INSTALLATION AND TESTING OF ALL SYSTEMS INCLUDING BUT NOT LIMITED TO ELECTRICAL, PLUMBING, HVAC, SPECIAL SYSTEMS, ETC. AS REQUIRED BY THESE DOCUMENTS. THE CONTRACTOR SHALL SCHEDULE, COORDINATE AND OVERSEE THE SYSTEM TESTING AND COMMISSIONING AND SHALL OBTAIN AND SUBMIT REQUIRED APPROVALS, TEST REPORTS, AND SIGN-OFFS TO THE ARCHITECT, OWNER AND THE AUTHORITY HAVING JURISDICTION.
- SHOP DRAWINGS: THE CONTRACTOR SHALL SUBMIT DETAILED SHOP DRAWINGS AS REQUIRED BY THE SPECIFICATIONS TOGETHER WITH SAMPLES OF MATERIALS AND FINISHES, PRIOR TO THE START OF ANY CONSTRUCTION OR FABRICATION, FOR REVIEW AND ACCEPTANCE BY THE ARCHITECT.



No.	Description	Date

ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN

PROJECT NUMBER: P501220150

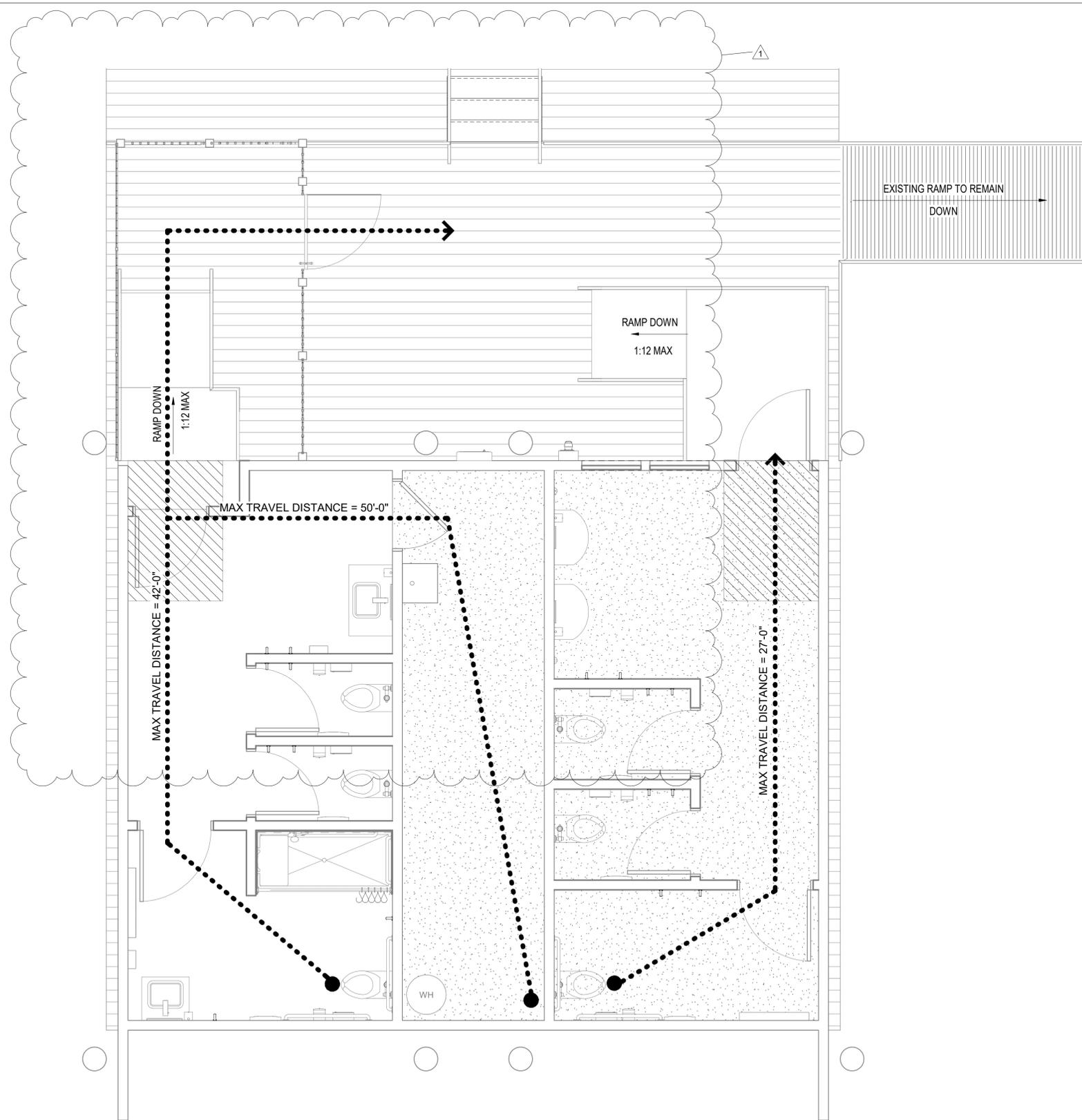
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DRAWN KN
CHECK RWS

DATE
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CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

LEGEND & ABBREVIATIONS
K-DOCK RESTROOM RENOVATION

A-001



APPLICABLE BUILDING CODES

THE AUTHORITY HAVING JURISDICTION (AHJ) FOR THIS PROJECT IS THE CITY OF BERKELEY, CALIFORNIA, WHICH ADOPTED USE OF THE FOLLOWING CODES, EFFECTIVE JANUARY 1, 2023.

- CALIFORNIA BUILDING CODE (CBC), 2022 EDITION
- CALIFORNIA ELECTRICAL CODE (CEC), 2022 EDITION
- CALIFORNIA ENERGY CODE, 2022 EDITION
- CALIFORNIA FIRE CODE (CFC), 2022 EDITION
- CALIFORNIA GREEN BUILDING STANDARDS CODE, 2022 EDITION
- CALIFORNIA MECHANICAL CODE (CMC), 2022 EDITION
- CALIFORNIA PLUMBING CODE (CPC), 2022 EDITION
- CALIFORNIA TITLE 24 REQUIREMENTS FOR HANDICAP ACCESSIBILITY OF FACILITIES
- ADA STANDARDS FOR ACCESSIBLE DESIGN, 2010
- 23 CODE OF FEDERAL REGULATIONS (CFR) 646
- NATIONAL ELECTRICAL SAFETY CODE (NESC), 2023 EDITION

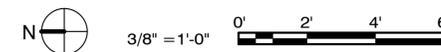
CODE INFORMATION

BUILDING CONSTRUCTION AND OCCUPANCY CLASSIFICATIONS:

CONSTRUCTION TYPE: V-B (EXISTING)
 OCCUPANCY GROUP: NOT APPLICABLE (NON-HABITABLE SPACE)
 AUTOMATIC FIRE SPRINKLER SYSTEMS: NOT REQUIRED AND NOT PROVIDED
 PROPOSED BUILDING AREA: NO CHANGE TO EXISTING
 NUMBER OF STORIES: NO CHANGE TO EXISTING
 HEIGHT OF BUILDING: NO CHANGE TO EXISTING

OCCUPANT LOAD CALCULATION: ACCESSORY USE, OR 0 OCCUPANTS
 NUMBER OF EXITS REQUIRED AND PROVIDED: ONE
 MAXIMUM TRAVEL DISTANCE ALLOWED: 100 FEET FOR OCCUPANCY GROUPS B, S OR U
 MAXIMUM TRAVEL DISTANCE ACTUAL: 50 FEET
 EXIT WIDTH: 34" DOOR PROPOSED

1 CODE ANALYSIS FLOOR PLAN
 SCALE: 3/8" = 1'-0"



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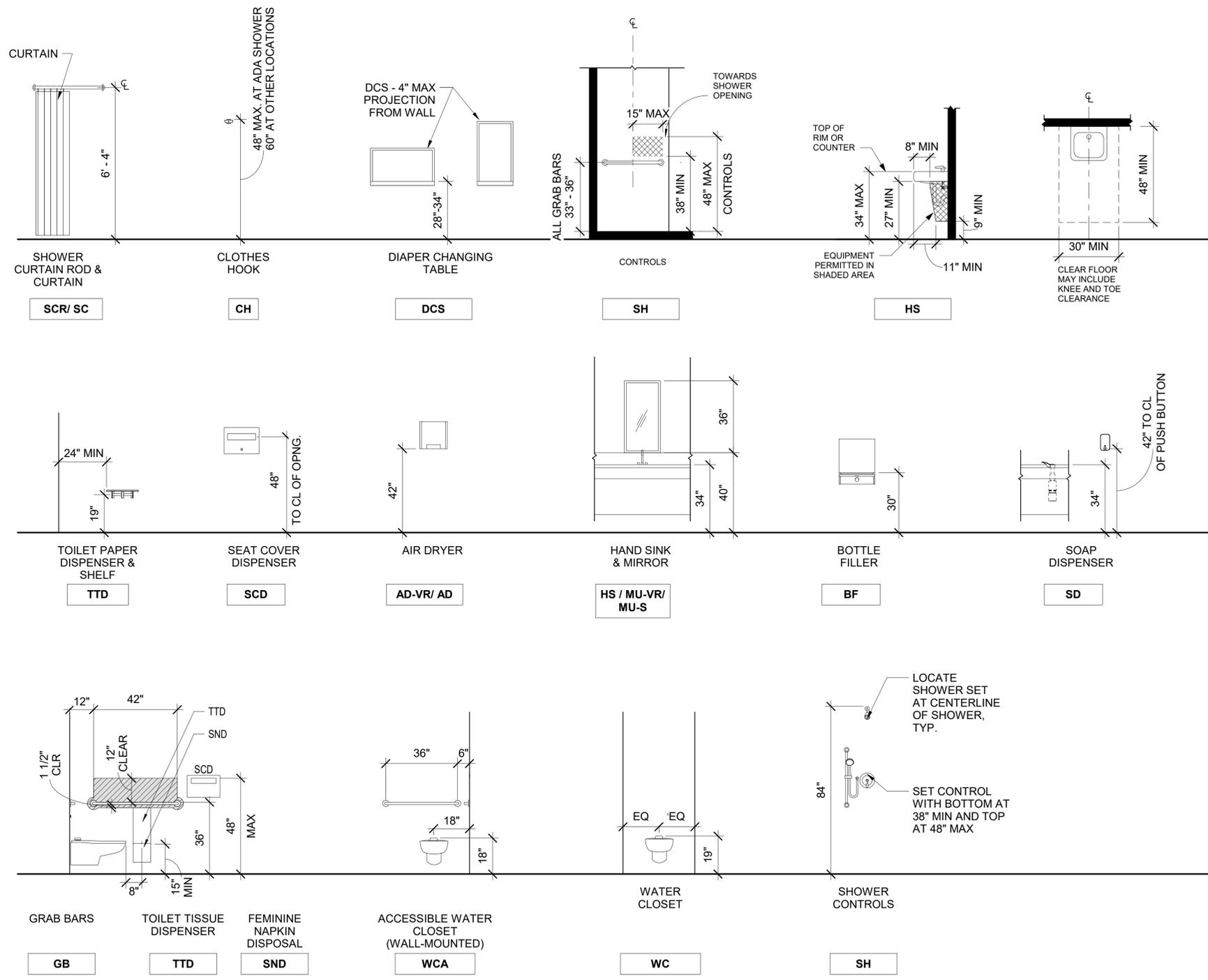
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CITY OF BERKELEY
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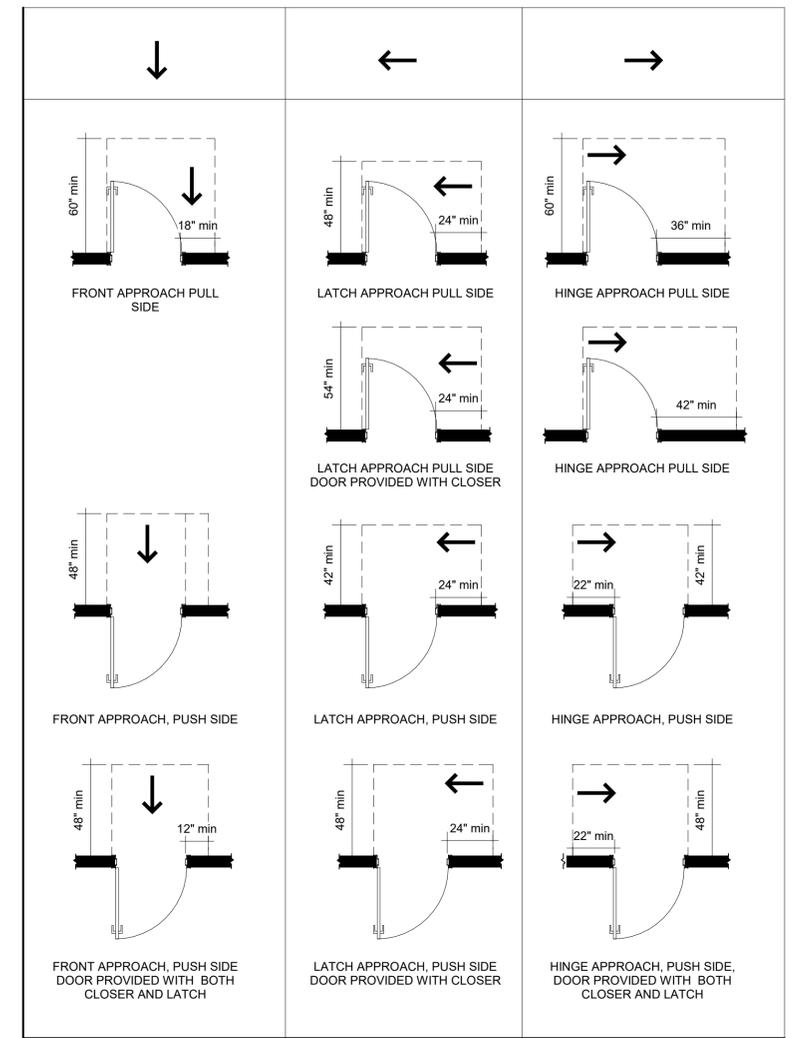
CODE ANALYSIS
 K-DOCK RESTROOM RENOVATION

A-002

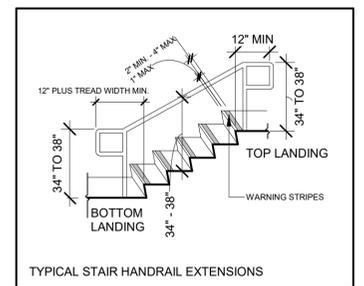
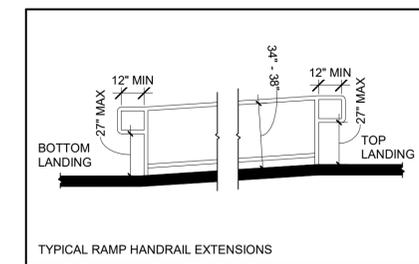
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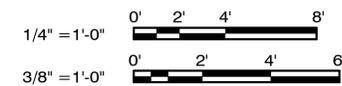
MOUNTING ELEVATIONS
SCALE: 3/8" = 1'-0"



ADA DOOR CLEARANCE
SCALE: 1/4" = 1'-0"



ADA-HANDRAIL EXTENSIONS
SCALE: 1/4" = 1'-0"



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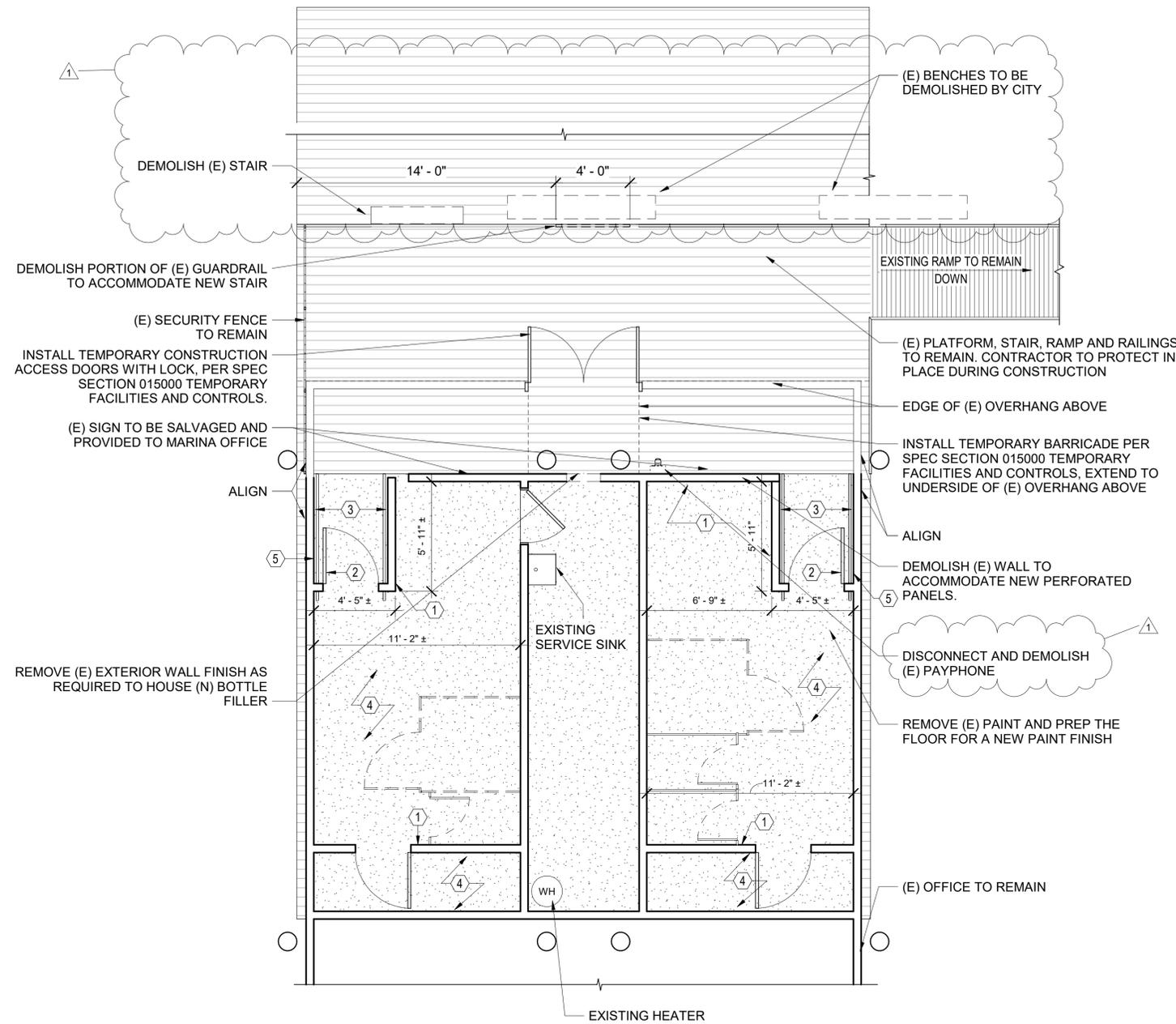
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CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

ADA REQUIREMENTS
K-DOCK RESTROOM RENOVATION

A-003



DEMOLITION PLAN LEGEND

- EXISTING WALL TO DEMO
- EXISTING WALL
- NEW WALL

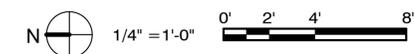
GENERAL NOTES

1. DEMOLISH MATERIALS AND OTHER ELEMENTS AS REQUIRED TO PROVIDE THE ELEMENTS TO BE INSTALLED IN THE NEW CONFIGURATION OF THE RESTROOMS. PER SPEC SECTION 024119.
2. SEE PLUMBING AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION REQUIREMENTS
3. CONTRACTOR SHALL VISIT THE SITE PRIOR TO SUBMITTING THEIR PROPOSAL TO BECOME FAMILIAR WITH ALL EXISTING FIELD CONDITION. ANY DISCREPANCIES SHALL BE REPORTED TO OWNER AND ARCHITECT
4. WHILE AN ATTEMPT HAS BEEN MADE TO SHOW THE ITEMS TO BE REMOVED. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONDUCT ON-SITE EXAMINATIONS TO FAMILIARIZE THEMSELVES WITH THE ACTUAL SITE CONDITIONS PRIOR TO BID. ADDITIONAL ITEMS, NOT SHOWN TO BE REMOVED, INTERFERING WITH THE NEW CONFIGURATION OF THE RESTROOMS, SHALL BE REMOVED WITHOUT ADDITIONAL COST TO THE OWNER.
5. CONTRACTOR SHALL PROVIDE ALL NECESSARY PROTECTION MEASURES TO SAFEGUARD THE PUBLIC DURING DEMOLITION AND CONSTRUCTION ACTIVITIES, SUCH AS BUT NOT LIMITED TO: BARRICADES, TEMPORARY PARTITIONS, DUST BARRIERS, SIGNS ETC. ERECT AND MAINTAIN THESE BARRIERS TO THE SATISFACTION OF THE OWNER AND ARCHITECT AND ALL APPLICABLE RULES AND REGULATIONS.
6. REMOVAL OF A PARTICULAR ITEM (I.E. WALLS, DOORS, ETC) IS TO INCLUDE ALL RELATED ITEMS: ELECTRICAL, MECHANICAL PLUMBING AND HARDWARE. IT IS ALSO TO INCLUDE PATCHING OF ANY DAMAGES OR HOLES IN THE EXISTING TO REMAIN AS A RESULT OF REMOVAL.
7. CAP ALL LINES CAUSED BY REMOVED FIXTURES. CARE IS TO BE TAKEN NOT TO REMOVE MORE THAN NECESSARY TO ACCOMMODATE NEW CONSTRUCTION
8. ANY SURFACES DISTURBED BY REMOVAL ARE TO BE RETURNED TO A LIKE-NEW CONDITION WITH NEW MATERIAL TO MATCH SURROUNDING SURFACES.

DEMO KEYNOTES

- 1 REMOVE (E) NON-STRUCTURAL WALL AS NOTED IN THEIR ENTIRETY. REMOVE FINISHES, INCLUDING ALL ATTACHMENTS, SUPPORTS, FASTENERS, AND ALL ASSOCIATED ELECTRICAL WORK.
- 2 REMOVE (E) DOOR IN ITS ENTIRETY INCLUDING ALL ATTACHMENTS, SPOORTS, AND FASTENERS.
- 3 REMOVE (E) RAILINGS
- 4 REMOVE ALL (E) PLUMBING FIXTURES, TOLIET PARTITIONS, AND ACCESSORIES (NOT SHOWN) IN THEIR ENTIRETY, INCLUDING ALL ATTACHMENTS, SUPPORTS, AND FASTENERS.
- 5 REMOVE (E) WALL FINISH AND PREP THE THE WALL TO MATCH THE (E) INTERIOR FINISH.

1 SELECTIVE DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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CITY OF BERKELEY
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RECREATION & WATERFRONT

SELECTIVE DEMO PLAN
K-DOCK RESTROOM RENOVATION

AD101

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GENERAL NOTES

1. SEE SHEET A-003 FOR TOILET ACCESSORY ABBREVIATIONS AND MOUNTING HEIGHTS. PROVIDE TOILET ACCESSORIES AT LOCATIONS PER CBC STANDARDS (SEAT COVER DISPENSER, SANITARY NAPKIN DISPOSAL, TOILET PAPER DISPENSER).
2. REFERENCE A-601 FOR FINISHES.
3. ALL EXISTING DIMENSIONS TO BE VERIFIED IN FIELD.
4. PROVIDE TOILET AND BATH ACCESSORIES PER SPEC SECTION 102800

⊗ CONSTRUCTION KEYNOTES

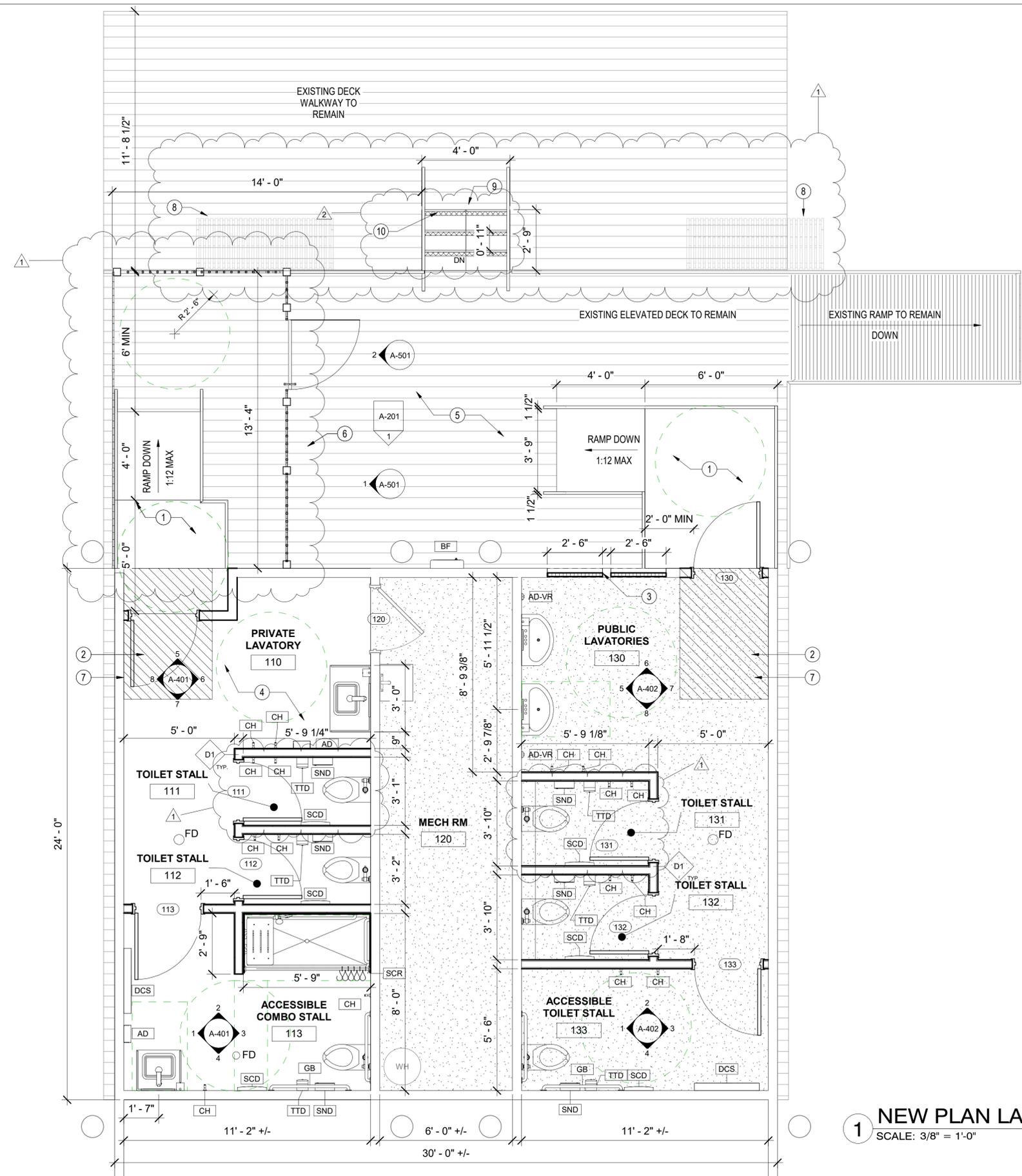
- 1 MODULAR ALUMINUM RAMP AND HANDRAILS PER SPEC SECTION 055120. . SEE A-003 FOR ACCESSIBILITY REQUIREMENTS
- 2 RAISE FLOOR ELEVATION AT ENTRY
- 3 PERFORATED PANELS
- 4 PORCELAIN TILE FLOOR FINISH PER SPEC SECTION 093013
- 5 (E) WOOD DECK TO REMAIN
- 6 STEEL ORNAMENTAL FENCE AND GATE SYSTEM PER SPEC SECTION 323100 (ADDITIVE BID OPTION)
- 7 MATCH (E) INTERIOR WALL FINISH
- 8 8' LONG BENCH BY CITY (NOT IN CONTRACT)
- 9 MODULAR ALUMINUM STAIR AND HANDRAILS PER SPEC SECTION 055120, SEE A-003 FOR ACCESSIBILITY REQUIREMENTS
- 10 STAIR STRIPING SHALL BE 2 IN. TO 4 IN. WIDE PLACED PARALLEL TO AND NOT MORE THAN 1 IN. FROM THE NOSING

TOILET AND BATH ACCESSORIES LEGEND

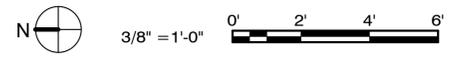
NOTE	DESCRIPTION
DCS	DIAPER CHANGING STATION (FOLD DOWN)
TTD	TOILET PAPER DISPENSER / SHELF
BF	BOTTLE FILLER
GB	GRAB BAR
HS	HAND SINK
AD/ AD-VR	HAND DRYER
WC	WATER CLOSET
MU-S/MU-VR	MIRROR
FSS	FOLDING SHOWER SEAT
SCD	SEAT COVER DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
SH	SHOWER CONTROLS
SC/ SCR	SHOWER ROD & CURTAIN
CH	COAT HOOK



No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025
2	PERMIT RESUBMITTAL 2	5/7/2025



1 NEW PLAN LAYOUT
SCALE: 3/8" = 1'-0"



ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN
PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

NEW WORK PLAN
K-DOCK RESTROOM RENOVATION

A-101

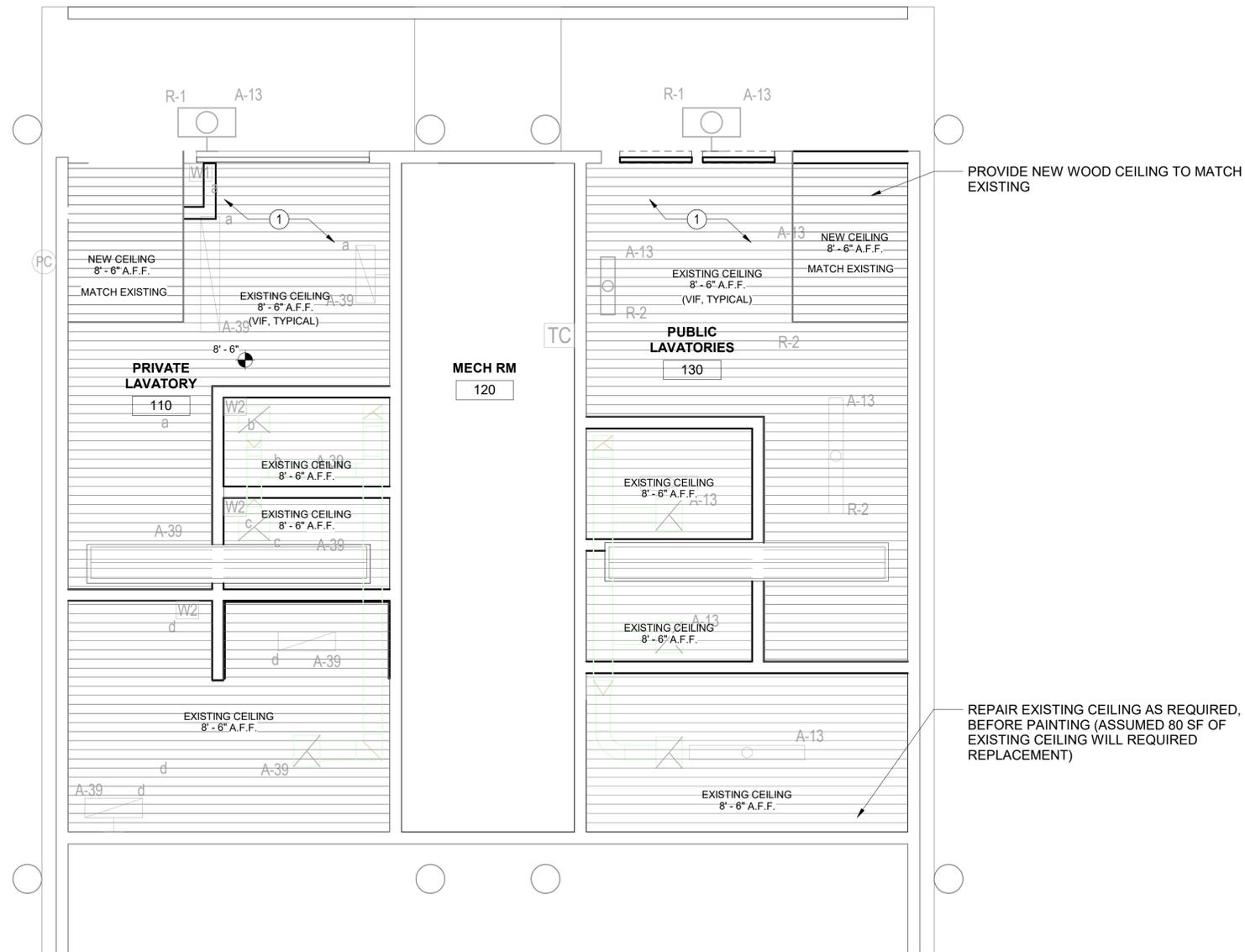
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GENERAL NOTES

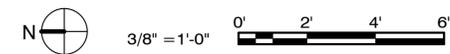
1. ALL EXISTING DIMENSIONS TO BE VERIFIED IN FIELD.
2. REFER ELEC DWGS FOR LIGHTING FIXTURES

(X) CONSTRUCTION KEYNOTES

- 1 PAINT EXISTING WOOD CEILING PER SPEC SECTION 099124



1 REFLECTED CEILING PLAN
SCALE: 3/8" = 1'-0"



No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025

ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN
PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

REFLECTED CEILING PLAN
K-DOCK RESTROOM RENOVATION

A-131

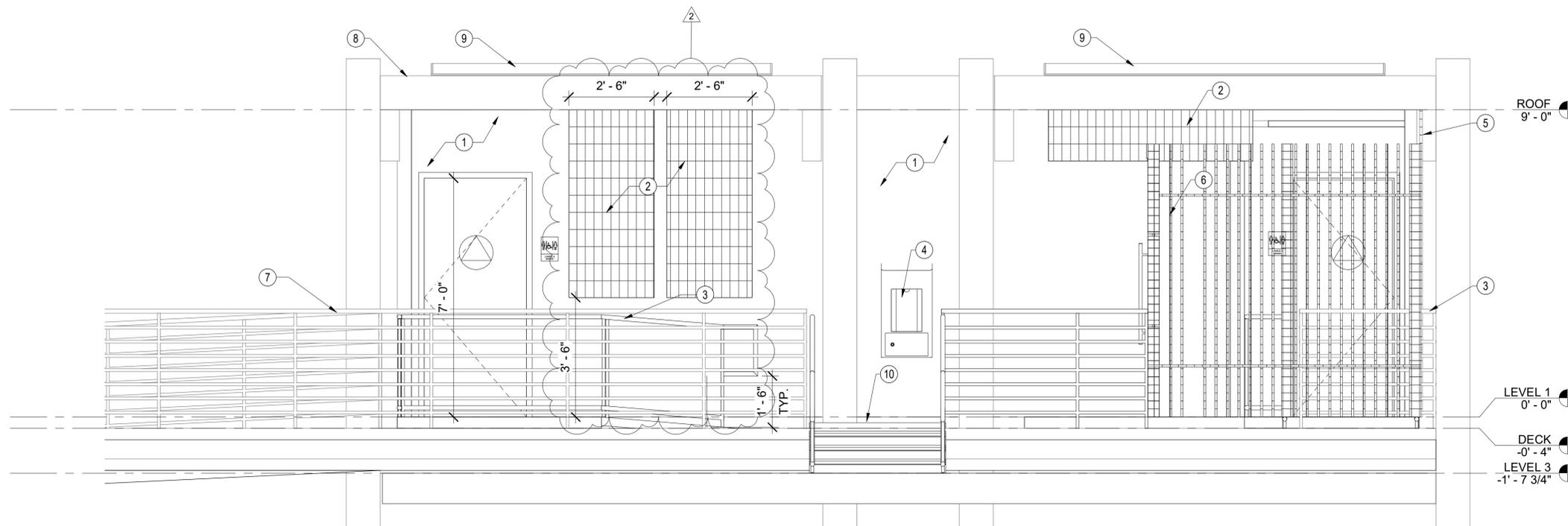
5/7/2025 4:40:33 PM

GENERAL NOTES

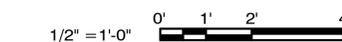
1. ALL EXISTING DIMENSIONS TO BE VERIFIED IN FIELD.

⊗ CONSTRUCTION KEYNOTES

- 1 PAINT TO MATCH (E) FINISH
- 2 PERFORATED METAL PANELS PER SPEC SECTION 057510
- 3 MODULAR ALUMINIUM RAMP AND HANDRAILS PER SPEC SECTION 055120, SEE A-003 FOR ACCESSIBILITY REQUIREMENTS
- 4 BOTTLE FILLER
- 5 (E) FENCE TO REMAIN
- 6 ORNAMENTAL STEEL FENCE AND GATE SYSTEM PER SPEC SECTION 313100
- 7 EXISTING GUARDRAIL SYSTEM TO REMAIN
- 8 EXISTING ROOF SYSTEM TO REMAIN
- 9 EXISTING SKYLIGHT TO REMAIN
- 10 MODULAR ALUMINIUM STAIR AND HANDRAILS PER SPEC SECTION 055120, SEE A-003 FOR ACCESSIBILITY REQUIREMENTS



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



No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025
2	PERMIT RESUBMITTAL 2	5/7/2025

ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN

PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

EXTERIOR ELEVATION
K-DOCK RESTROOM RENOVATION

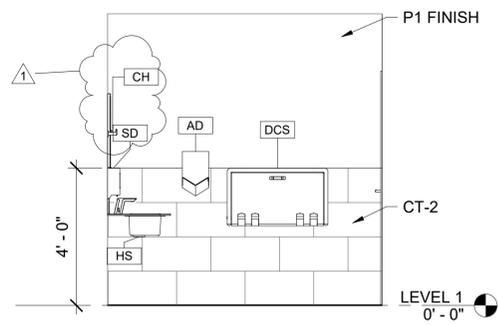
A-201

GENERAL NOTES

1. ALL EXISTING DIMENSIONS TO BE VERIFIED IN FIELD.
2. REF A-003 FOR TYP MOUNTING ELEVATIONS

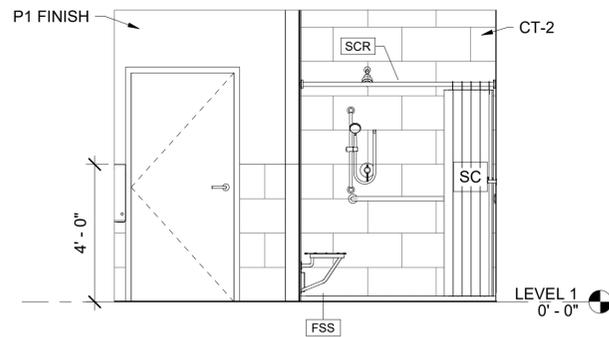
TOLIET & BATH LEGEND

NOTE	DESCRIPTION
DCS	DIAPER CHANGING STATION (FOLD DOWN)
TTD	TOILET PAPER DISPENSER / SHELF
BF	BOTTLE FILLER
GB	GRAB BAR
HS	HAND SINK
AD/ AD-VR	HAND DRYER
WC	WATER CLOSET
MU-S/MU-VR	MIRROR
FSS	FOLDING SHOWER SEAT
SCD	SEAT COVER DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
SH	SHOWER CONTROLS
SC/ SCR	SHOWER ROD & CURTAIN
CH	COAT HOOK



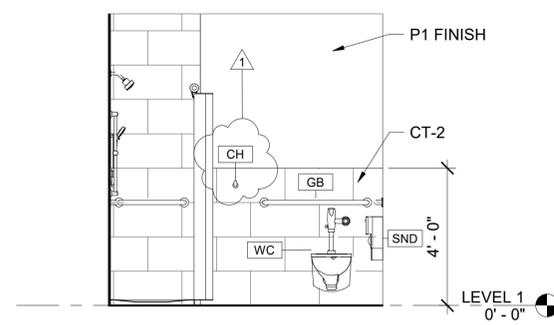
1 ACCESSIBLE STALL 113 - NORTH ELEVATION

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



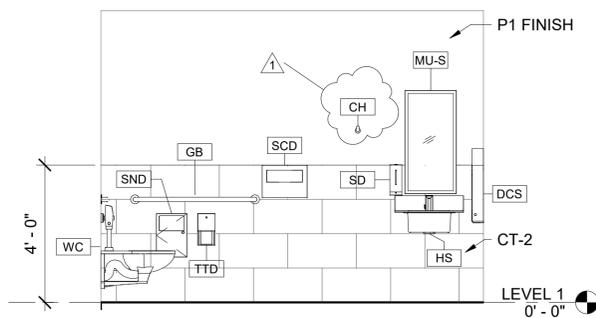
2 ACCESSIBLE STALL 113 - EAST ELEVATION

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



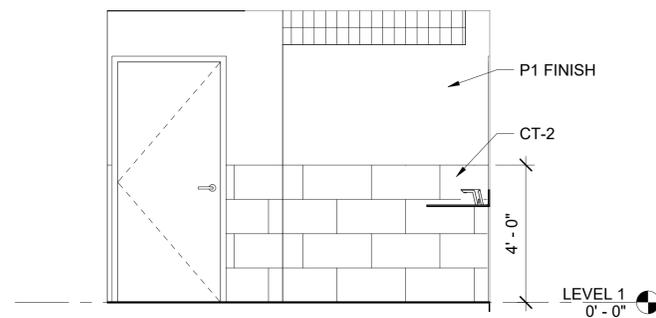
3 ACCESSIBLE STALL 113 - SOUTH ELEVATION

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



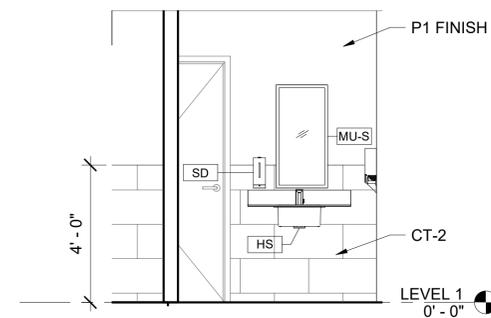
4 ACCESSIBLE STALL 113 - WEST ELEVATION

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



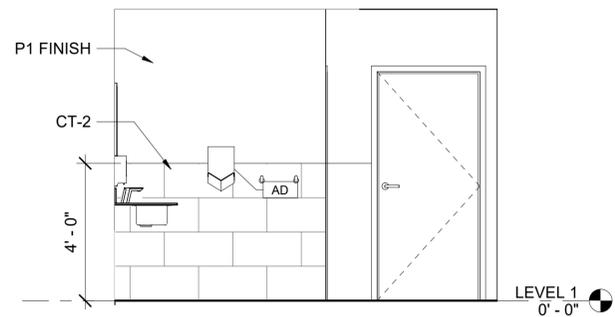
5 PRIVATE LAVATORY 110 - EAST ELEVATION

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



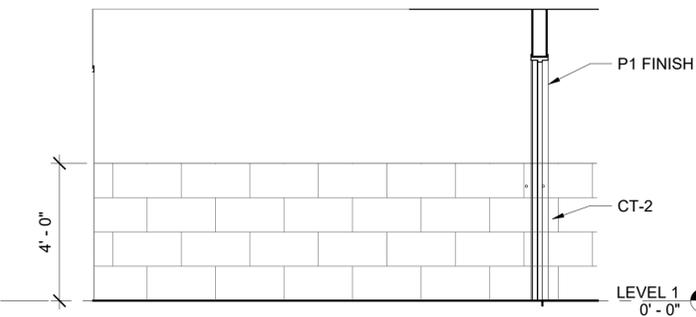
6 PRIVATE LAVATORY 110 - SOUTH ELEVATION

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



7 PRIVATE LAVATORY 110 - WEST ELEVATION

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



8 PRIVATE LAVATORY 110 - NORTH ELEVATION

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



No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025



ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN

PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

PRIVATE RESTRM ELEVS
K-DOCK RESTROOM RENOVATION

A-401

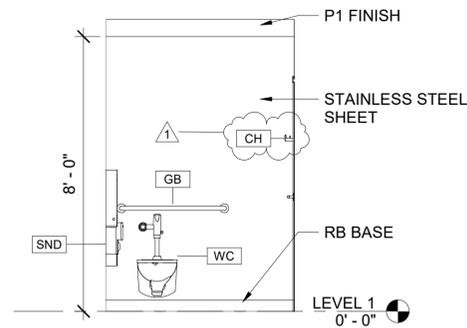
5/7/2025 4:40:35 PM

GENERAL NOTES

1. ALL EXISTING DIMENSIONS TO BE VERIFIED IN FIELD.
2. REF A-003 FOR TYP MOUNTING ELEVATIONS
3. PROVIDE STAINLESS STEEL SHEET PER SPEC SECTION 102600

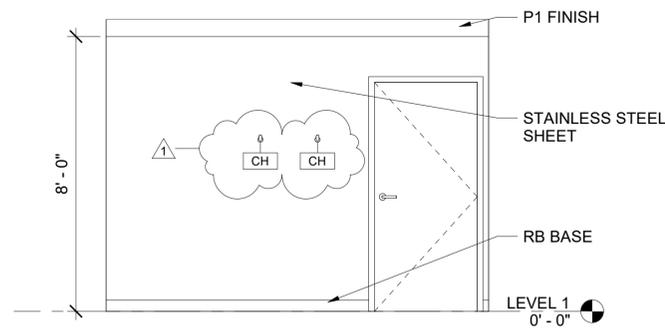
(X) TOILET & BATH LEGEND

NOTE	DESCRIPTION
DCS	DIAPER CHANGING STATION (FOLD DOWN)
TTD	TOILET PAPER DISPENSER / SHELF
BF	BOTTLE FILLER
GB	GRAB BAR
HS	HAND SINK
AD/ AD-VR	HAND DRYER
WC	WATER CLOSET
MU-S/MU-VR	MIRROR
FSS	FOLDING SHOWER SEAT
SCD	SEAT COVER DISPENSER
SD	SOAP DISPENSER
SND	SANITARY NAPKIN DISPOSAL
SH	SHOWER CONTROLS
SC/ SCR	SHOWER ROD & CURTAIN
CH	COAT HOOK



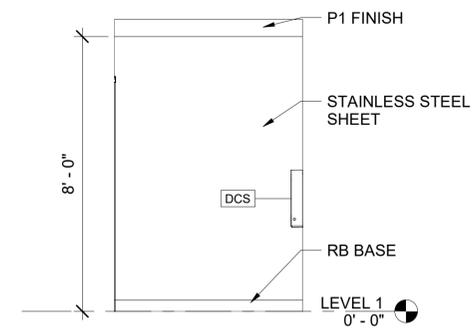
1 ACCESSIBLE TOILET STALL 133 - NORTH ELEVATION

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



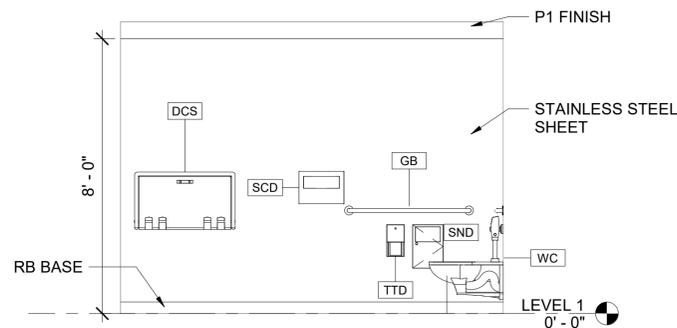
2 ACCESSIBLE TOILET STALL 133 - EAST ELEVATION

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



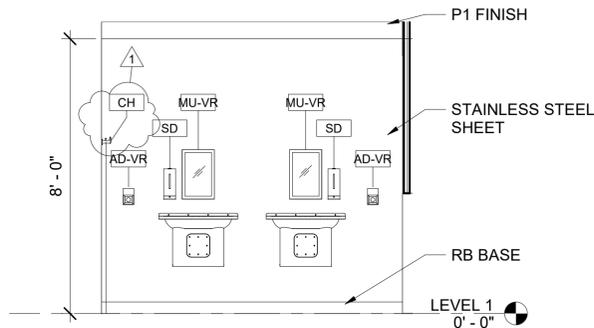
3 ACCESSIBLE TOILET STALL 133 - SOUTH ELEVATION

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



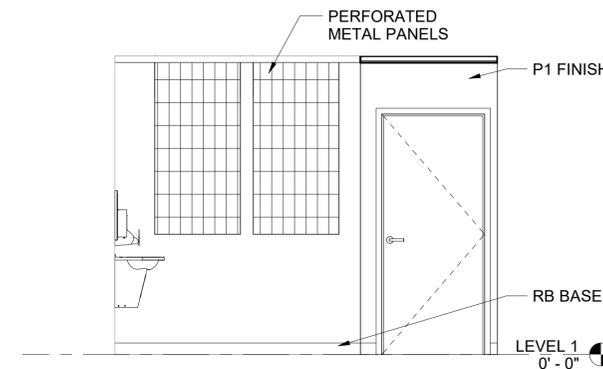
4 ACCESSIBLE TOILET STALL 133 - WEST ELEVATION

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



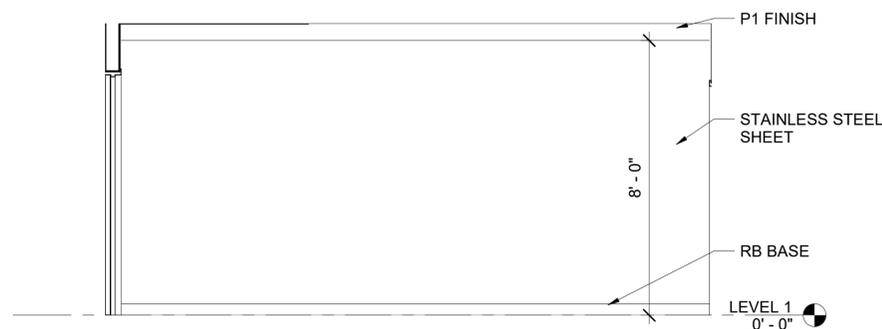
5 PUBLIC LAVATORY 130 - NORTH ELEVATION

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



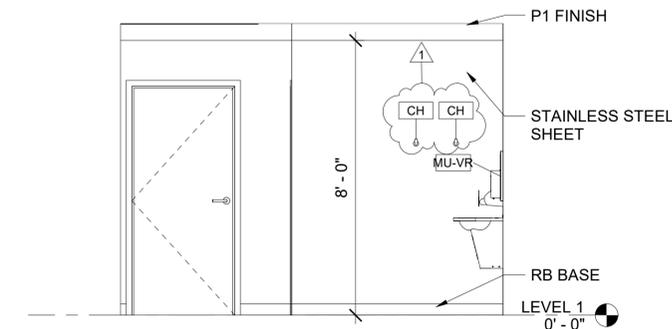
6 PUBLIC LAVATORY 130 - EAST ELEVATION

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



7 PUBLIC LAVATORY 130 - SOUTH ELEVATION

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



8 PUBLIC LAVATORY 130 - WEST ELEVATION

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



No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025

ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN

PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

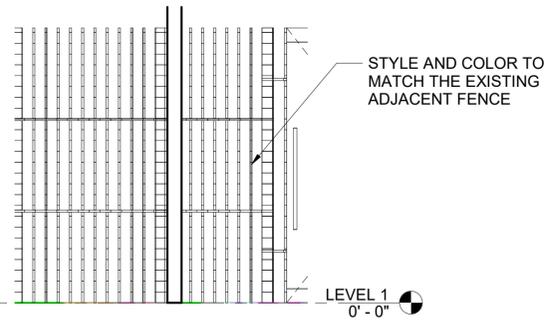
DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

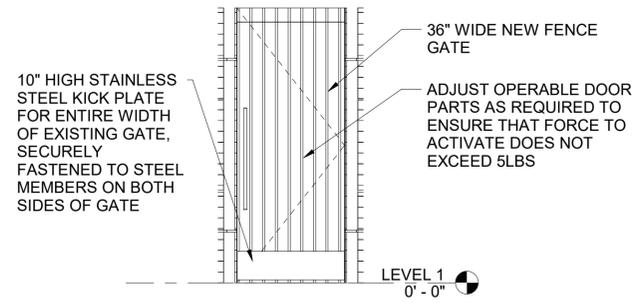
PUBLIC RESTRM ELEVS
K-DOCK RESTROOM RENOVATION

A-402

5/7/2025 4:40:36 PM



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



2 FENCE ELEVATION 2
SCALE: 3/8" = 1'-0"

HARDWARE SCHEDULE			
New Hardware	Location	Count	Hardware Details
Kickplate	Gate	1	10" high, Rockwood K1038, or approved equivalent



No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025

ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN
PROJECT NUMBER: P501220150

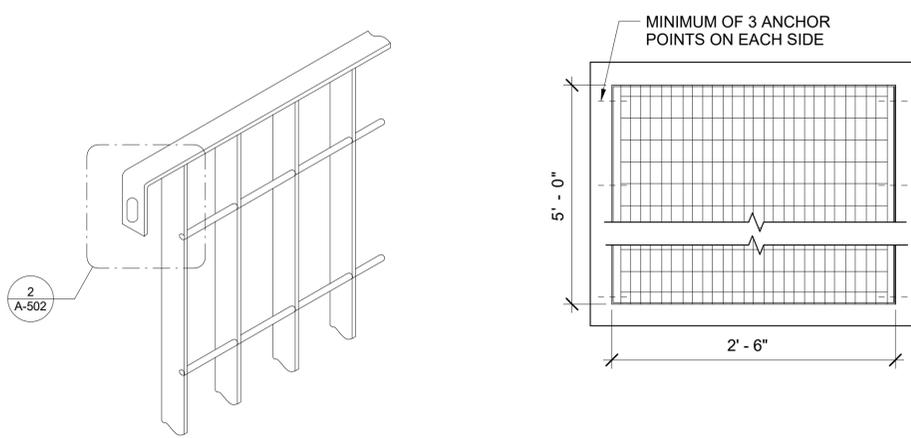
DESIGN DKL
DRAWN KN
CHECK RWS

DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

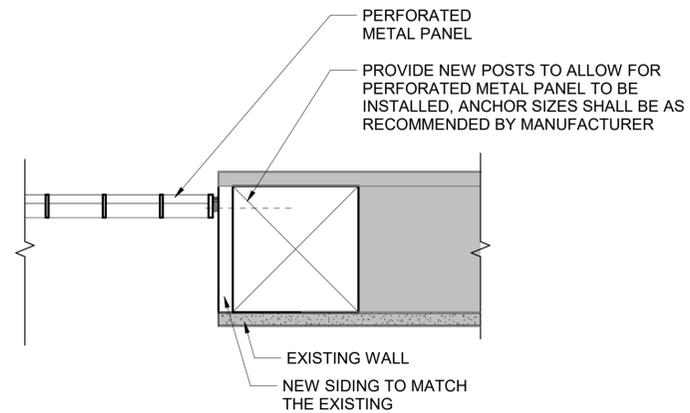
FENCE & RAMP DETAILS
K-DOCK RESTROOM RENOVATION

A-501



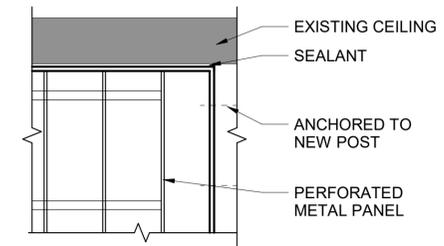
1 PERFORATED METAL PANEL PROFILE AND INSTALLATION DETAIL

NOT TO SCALE



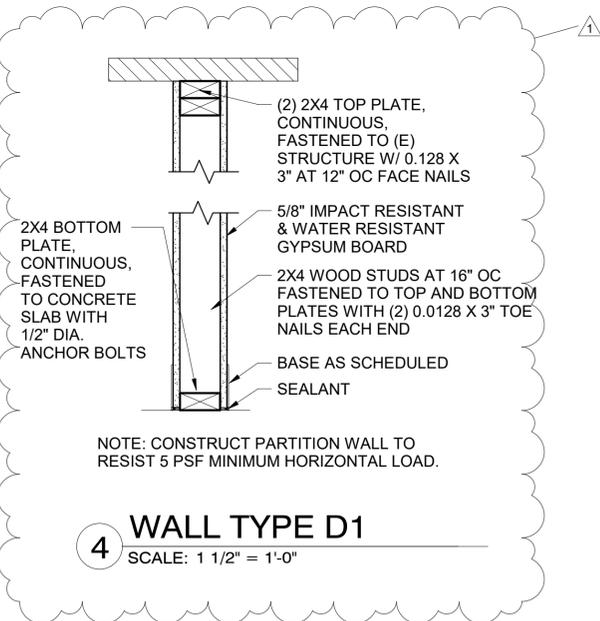
2 PERFORATED METAL PANEL JAMB DETAIL

SCALE: 3" = 1'-0"



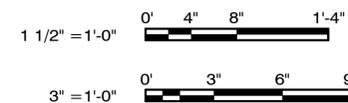
3 PERFORATED METAL PANEL ELEVATION DETAIL

SCALE: 3" = 1'-0"



4 WALL TYPE D1

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



ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN

PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025
DETAILS		
K-DOCK RESTROOM RENOVATION		A-502

ROOM SCHEDULE												
ROOM NAME	Number	Floor Finish	NORTH		SOUTH		EAST		WEST		CEILING	
			MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH
PRIVATE LAVATORY	110	CT1	GWB	CT-2, P1	(E)	P2						
TOILET STALL	111	CT1	GWB	CT-2, P1	(E)	P2						
TOILET STALL	112	CT1	GWB	CT-2, P1	(E)	P2						
ACCESSIBLE COMBO STALL	113	CT1	GWB	CT-2, P1	(E)	P2						
MECH RM	120	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)	(E)
PUBLIC LAVATORIES	130	CLEAR SEAL	GWB	SSTL	GWB	SSTL	GWB	SSTL	GWB	SSTL	(E)	P2
TOILET STALL	131	CLEAR SEAL	GWB	SSTL	GWB	SSTL	GWB	SSTL	GWB	SSTL	(E)	P2
TOILET STALL	132	CLEAR SEAL	GWB	SSTL	GWB	SSTL	GWB	SSTL	GWB	SSTL	(E)	P2
ACCESSIBLE TOILET STALL	133	CLEAR SEAL	GWB	SSTL	GWB	SSTL	GWB	SSTL	GWB	SSTL	(E)	P2

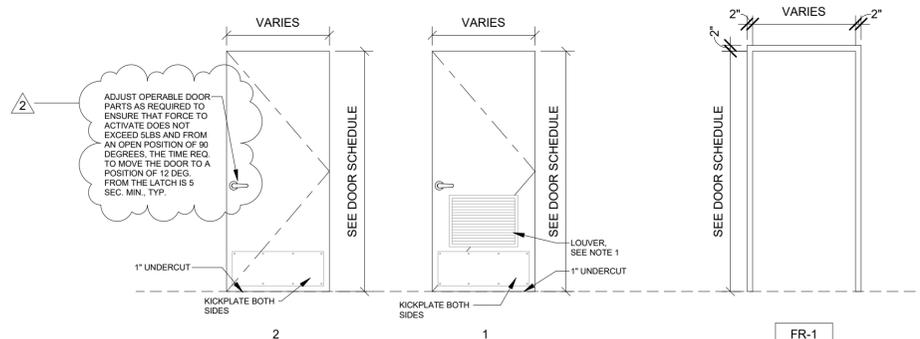
FINISH LEGEND

P1 PAINT - COLOR - CREAMY, SW7012.
P2 CEILING PAINT - PURE WHITE, SW7005
CT1 FLOOR TILE
CT2 WALL TILE
RB 4" RUBBER BASE

FINISH LEGEND

PC POWDER COATED - COLOR TBD - TO BE SELECTED BY ARCHITECT

DOOR SCHEDULE										
MARK	PANEL					FRAME			HARDWARE GROUP	REMARKS
	WIDTH	HEIGHT	THICKNESS	TYPE	FINISH	MATERIAL	FINISH	MATERIAL		
110	3' - 0"	7' - 0"	1-3/4"	2	PC	GA STL	PC	GA STL	1	EXTERIOR
111	2' - 8"	6' - 8"	1-3/4"	1	PC	HM	PC	HM	2	
112	2' - 8"	6' - 8"	1-3/4"	1	PC	HM	PC	HM	2	
113	3' - 0"	6' - 8"	1-3/4"	1	PC	HM	PC	HM	2	
130	3' - 0"	7' - 0"	1-3/4"	2	PC	GA STL	PC	GA STL	1	EXTERIOR
131	2' - 8"	6' - 8"	1-3/4"	1	PC	HM	PC	HM	2	
132	2' - 8"	6' - 8"	1-3/4"	1	PC	HM	PC	HM	2	
133	3' - 0"	6' - 8"	1-3/4"	1	PC	HM	PC	HM	2	

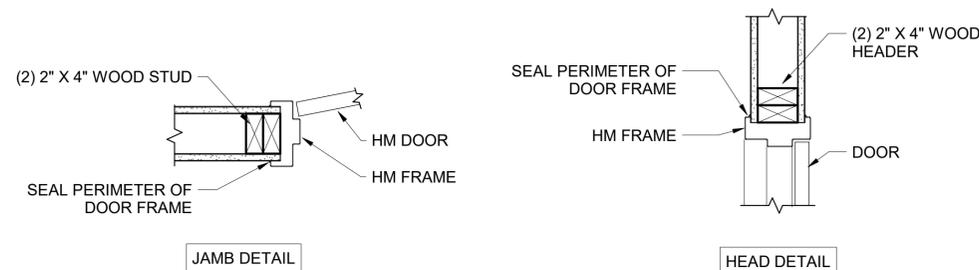


NOTE 1: PROVIDE 24"W X 18"H VANDAL-PROOF PRIVACY-STYLE LOUVER WITH 18 GAUGE COLD ROLLED STEEL FRAME AND 20 GAUGE BLADES

TYP. H.M. DOOR FRAME @ FRAMED OPENING

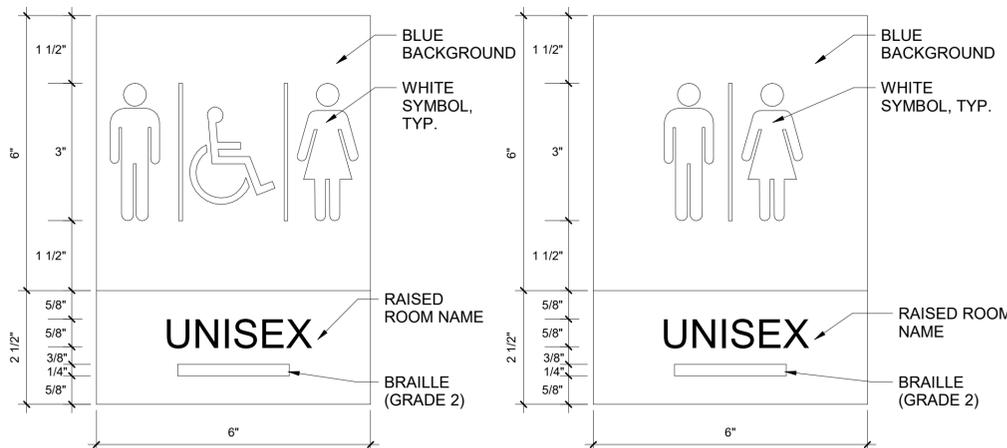
1 DOOR TYPE

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



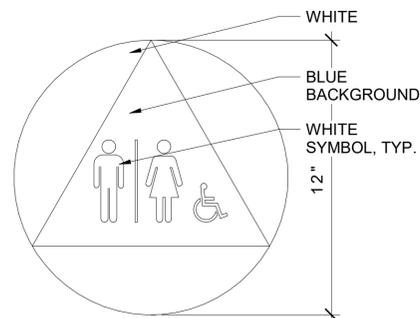
2 TYPICAL DOOR DETAIL

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



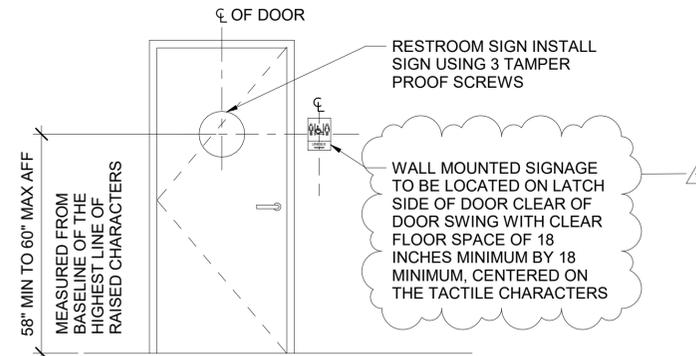
PROVIDE AT DOOR 110, 113, 130 AND 133

PROVIDE AT DOOR 111 AND 131



PUBLIC TOILET ROOM SIGNS:
NOT TO SCALE

PROVIDE AT DOOR 110, 113, 130 AND 132



3 SIGNAGE - MOUNTING HEIGHTS

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

4 SIGNAGE - ROOMS AND TOILETS

SCALE: 6" = 1'-0"

ISSUED FOR PERMIT

TRANSYSTEMS

2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT

SCALE: AS SHOWN

PROJECT NUMBER: P501220150

DESIGN DKL
DRAWN KN
CHECK RWS

DATE
5/7/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

No.	Description	Date
1	PERMIT RESUBMITTAL	3/25/2025
2	PERMIT RESUBMITTAL 2	5/7/2025

ROOM & DOOR SCHEDULES
K-DOCK RESTROOM RENOVATION

A-601

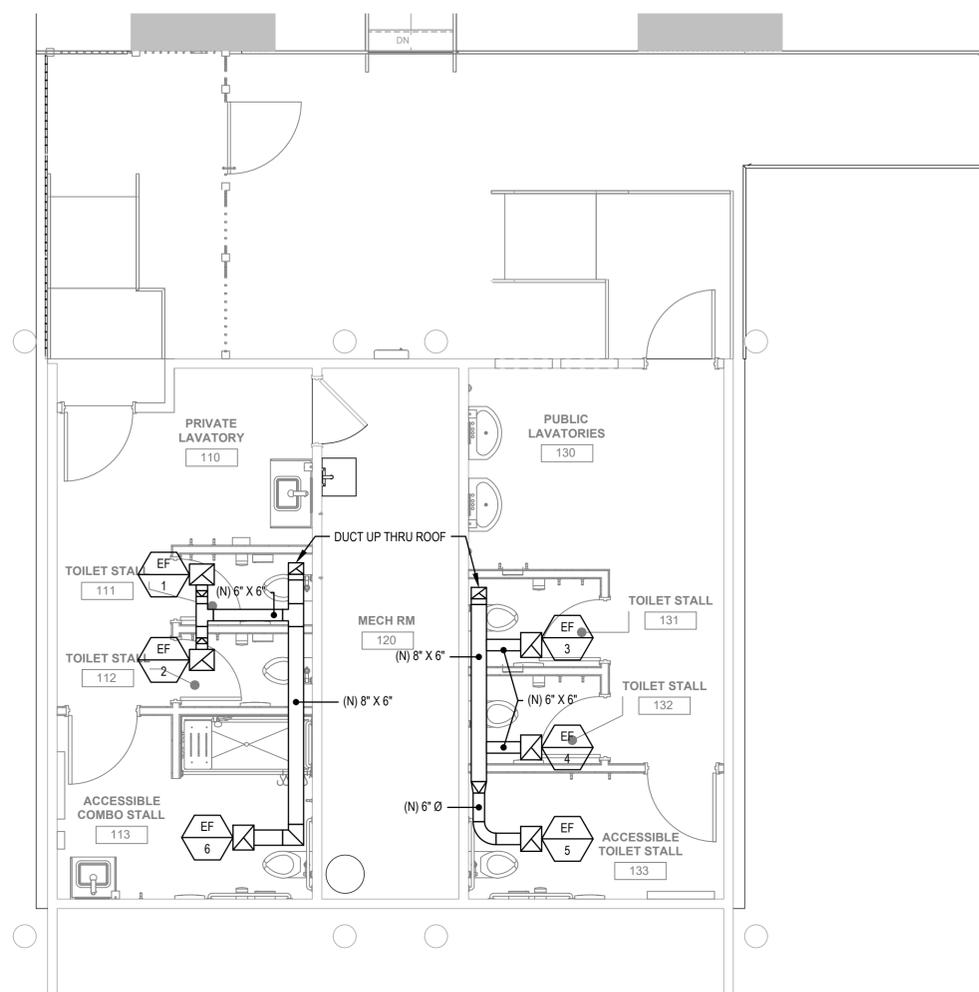


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ABBREVIATIONS				MECHANICAL SYMBOLS LEGEND				GENERAL MECHANICAL NOTES		
A	AMPERES, AREA	KW	KILOWATTS	HVAC		PIPING		<ol style="list-style-type: none"> THESE DRAWINGS ARE BASED UPON AVAILABLE DOCUMENTS, WHICH MAY NOT ACCURATELY PORTRAY AS-BUILT CONDITIONS. EXISTING EQUIPMENT AND PIPING SIZES, LOCATIONS, AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ALL DISCREPANCIES AFFECTING THE REMOVAL OF EXISTING EQUIPMENT AND PIPING, AND THE INSTALLATION OF NEW EQUIPMENT AND PIPING. INSTALL PIPING AND DUCTWORK TO BEST SUIT FIELD CONDITIONS AND COORDINATE WITH THE INSTALLATION WORK OF OTHER TRADES. THESE DRAWINGS ARE DIAGRAMMATIC, DO NOT SCALE TO DETERMINE EXACT LOCATION OF PIPING. REPAIR AND/OR REPLACE ALL EXISTING UTILITIES, STRUCTURAL ELEMENTS, EQUIPMENT, PIPING, CONDUIT, DUCTWORK, ETC. THAT IS DAMAGED OR BECOMES INOPERABLE AS A RESULT OF THIS WORK. COORDINATE MODIFICATIONS TO EXISTING SYSTEMS WITH OWNER TO MINIMIZE SHUTDOWN TIME OF BUILDING SYSTEMS. FOR ALL MECHANICAL SYSTEMS CONTROLS, PROVIDE CONDUIT AND WIRING IN ACCORDANCE WITH ELECTRICAL SPECIFICATIONS AND MANUFACTURER'S REQUIREMENTS. MERV 8 FILTER TO BE USED IN RETURN AIR DURING CONSTRUCTION. COVER DUCT OPENINGS AND MECHANICAL EQUIPMENT TO BE PROTECTED DURING CONSTRUCTION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF THE PHASING AND INSTALLATION OF ALL MECHANICAL WORK WITH THE WORK OF ALL OTHER TRADES. THE CONTRACTOR SHALL BEAR THE TOTAL EXPENSE FOR ANY ADDITIONAL WORK WHICH MAY BE CAUSED BY THE IMPROPER SEQUENCING OF CONSTRUCTION ACTIVITIES. THE DRAWINGS AND SPECIFICATIONS ARE COMPLEMENTARY. WHAT IS CALLED FOR IN ONE SHALL BE CALLED FOR IN BOTH. CONTRACTOR SHALL INCLUDE ALL INCIDENTAL ITEMS AND WORK NOT SPECIFICALLY SHOWN OR SPECIFIED BUT REQUIRED BY GOOD PRACTICE IN A COMPLETE SYSTEM. THE DRAWINGS ARE DIAGRAMMATIC AND EQUIPMENT HOOK-UP IS BASED ON ONE MANUFACTURER'S EQUIPMENT. THEY SHOULD BE FOLLOWED AS CLOSELY AS POSSIBLE. YET ARE NOT INTENDED TO SHOW EVERY ITEM IN ITS EXACT LOCATION OR ALL THE DETAILS OF THE EQUIPMENT, WHERE REQUIRED BY JOB-SITE CONDITIONS. RELOCATE AND PROVIDE FITTINGS, SUPPORTS, ETC. AS REQUIRED. EXISTING EQUIPMENT AND PIPING SIZES, LOCATIONS AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ALL DISCREPANCIES AFFECTING THE REMOVAL OF EXISTING EQUIPMENT AND PIPING AND THE INSTALLATION OF NEW EQUIPMENT AND PIPING. ANY DEVIATIONS FROM THE DRAWINGS SHALL BE INCLUDED IN SHOP DRAWINGS APPROVED BY THE OWNER'S REPRESENTATIVE. TO ENHANCE CLARITY OF DRAWINGS AND WHERE NOT NECESSARY TO DESCRIBE THE REQUIRED PIPE SIZES, INDIVIDUAL SEGMENTS OF PIPE BETWEEN CONNECTIONS ARE NOT NECESSARILY SIZED ON PLANS. PIPE SEGMENTS ARE SHOWN ON PLANS WITHOUT A SIZE INDICATED SHALL BE THE SAME SIZE AS THE NEXT UPSTREAM SEGMENT WITH A SIZE INDICATED. COORDINATE ALL MECHANICAL PENETRATIONS, EMBEDS, AND ASSOCIATED END CONNECTORS WITH STRUCTURAL DRAWINGS. NO PENETRATIONS WILL BE ALLOWED THROUGH STRUCTURAL ELEMENTS UNLESS INDICATED ON STRUCTURAL DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEERS. DO NOT CORE DRILL OR DRILL THROUGH BEAMS, COLUMNS, FLOORS, CEILINGS, OR WALLS, UNLESS INDICATED ON STRUCTURAL DRAWINGS OR AS APPROVED BY THE STRUCTURAL ENGINEER. OBTAIN APPROVAL FROM STRUCTURAL ENGINEER FOR ALL MECHANICAL PENETRATIONS. COORDINATE LOCATIONS OF MECHANICAL EQUIPMENT AND PIPING TO PROVIDE ADEQUATE CLEARANCE FOR REMOVAL AND SERVICE ACCESS NECESSARY FOR ALL EQUIPMENT PREVENTATIVE MAINTENANCE AND REPAIR. COORDINATE SERVICE ACCESS FOR EQUIPMENT PROVIDED BY ALL OTHER TRADES, INCLUDING BUT NOT LIMITED TO ELECTRICAL EQUIPMENT, PLUMBING, FIRE PROTECTION, AND LIGHTING. PROVIDE SUPPORTS AND SEISMIC RESTRAINTS FOR ALL PIPES AND RELATED EQUIPMENT THAT ARE SHOWN ON THE DRAWINGS. PROVIDE ALL REQUIRED SUPPLEMENTARY STRUCTURAL STEEL, SUPPORTS, ATTACHMENTS, AND ANCHORAGES. PROVIDE ANCHOR BOLTS OF SIZE, TYPE, AND LENGTH AS REQUIRED TO SATISFY THE EQUIPMENT MANUFACTURER'S RECOMMENDATIONS, SPECIFICATION REQUIREMENTS, AND REQUIREMENTS WHICH MAY BE INDICATED ON THE CONTRACT DRAWINGS. SEE STRUCTURAL DRAWINGS AND SPECS FOR ADDITIONAL REQUIREMENTS. PROVIDE PLUGGED OR CAPPED DRAINS IN ALL PIPING LOW POINTS, AND MANUAL OR AUTOMATIC AIR VENTS AT ALL HIGH POINTS IN PIPING. IN GENERAL, THESE DEVICES ARE NOT INDICATED ON MECHANICAL OR PLUMBING DRAWINGS. PROVIDE ALL PIPE SLEEVES AND PENETRATION SEALS AS REQUIRED FOR THE INSTALLATION OF ALL PLUMBING AND PIPING ITEMS DESCRIBED WITHIN THE CONTRACT DOCUMENTS. SEE DRAWING DETAILS AND SPECIFICATIONS. PROVIDE PLUG, CAP OR BLIND FLANGES ON OPEN ENDS OF VALVES, PIPES AND FITTINGS. ALL PIPE SUPPORTS, PIPE SHOES, HANGERS, AND ASSOCIATED METAL WORK SHALL BE ALL HOT DIP GALVANIZED OR STAINLESS STEEL. INSULATION IS SOMETIMES NOT SHOWN ON THE DRAWINGS. INSULATION SHALL BE PROVIDED IN ACCORDANCE WITH THE SPECIFICATIONS AND SCHEDULES, EXCEPT WHERE INDICATED FOR A MORE STRINGENT REQUIREMENT. COORDINATE MODIFICATIONS TO EXISTING SYSTEMS WITH OWNER TO MINIMIZE SHUTDOWN TIME OF BUILDING SYSTEMS. FIRE SMOKE DAMPERS AUTOMATIC CLOSURE SHALL BE VIA FIRE ALARM SYSTEM POWER RELAY. DUCTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SMACNA-2020 OR UL 181 		
ABS	ACRYLONITRILE-BUTADIENE -STYRENE	KWH	KILOWATTS PER HOUR	SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION			
AD	AREA DRAIN	L	LENGTH		DUCT SECTION, SUPPLY AIR UP		FUEL OIL (SUPPLY)			
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE		DUCT SECTION, RETURN AIR UP		FUEL OIL (RETURN)			
AG	ABOVE GRADE	LBS	POUNDS		DUCT SECTION, EXHAUST AIR UP		CHILLED WATER SUPPLY			
APPROX	APPROXIMATE	LF	LINEAR FEET		DUCT SECTION, SUPPLY AIR DN		CHILLED WATER RETURN			
AS	AIR SEPARATOR	LPG	LIQUID PETROLEUM GAS		DUCT SECTION, RETURN AIR DN		HEATING HOT WATER SUPPLY			
AVG	AVERAGE	LTG	LIGHTING		DUCT SECTION, EXHAUST AIR DN		HEATING HOT WATER RETURN			
BD	BALANCE DAMPER	LVG	LEAVING		FLEXIBLE DUCT		CONDENSER WATER SUPPLY			
BDD	BACK DRAFT DAMPER	LWT	LEAVING WATER TEMPERATURE		FIRE AND SMOKE DAMPER		CONDENSER WATER RETURN			
BFP	BACK FLOW PREVENTER	MAX	MAXIMUM		FIRE DAMPER		REFRIGERANT LIQUID			
BG	BELOW GRADE	MBH	1,000 BTUH		DIRECTION OF FLOW		REFRIGERANT SUCTION			
BHP	BRAKE HORSEPOWER	MCC	MOTOR CONTROL CENTER		MANUAL VOLUME DAMPER		AUTOMATIC AIR VENT			
BOD	BOTTOM OF DUCT	MD	MOTORIZED DAMPER		WALL SUPPLY OUTLET, RETURN GRILLE		BLOW OFF STRAINER			
BTU	BRITISH THERMAL UNIT	MFR	MANUFACTURER		CEILING DIFFUSER		FILTER AND STRAINER LINE			
BTUH	BRITISH THERMAL UNIT PER HOUR	MIN	MINIMUM, MINUTE		CEILING RETURN		PRESSURE GAGE			
C	CELSIUS	MTD	MOUNTED		CEILING EXHAUST		PRESSURE GAGE AND COCK			
°	CENTERLINE	MUA	MAKE UP AIR		DUCT SMOKE DETECTOR		PRESSURE REDUCING VALVE			
CCW	COUNTER CLOCKWISE	(N)	NEW		THERMOSTAT		RELIEF OR SAFETY VALVE			
CD	CEILING DIFFUSER	NC	NORMALLY CLOSED, NOISE CRITERIA		REMOTE SENSOR		STRAINER			
CFM	CONDENSATE DRAIN	NO	NORMALLY OPEN, NOISE CRITERIA		CARBON DIOXIDE SENSOR		PUMP (PLAN)			
CH	CUBIC FEET PER MINUTE	NIC	NOT IN CONTRACT		MOTORIZED ACTUATOR		PUMP (SCHEMATIC)			
CHWP	CHILLER	NO	NORMALLY OPEN, NUMBER	SHEET ANNOTATION KEYNOTE MECH ROOM 101 ROOM NAME AND ROOM NUMBER 1 X-501 DETAIL INDICATOR A X-301 SECTION INDICATOR WH 1 MECHANICAL EQUIPMENT DESIGNATION (SEE SCHEDULE)						EXPANSION LOOP
CHWR	CHILLED WATER PUMP	NTS	NOT TO SCALE							CAP
CHWS	CHILLED WATER RETURN	OA	OUTSIDE AIR		UNION		THREE-WAY MANUAL VALVE			
CI	CHILLED WATER SUPPLY	OBD	OPPOSED BLADE DAMPER		BALL VALVE		BUTTERFLY VALVE			
CMR	CAST IRON	OC	ON CENTER		DIAPHRAGM VALVE		GATE VALVE			
CONT	COMPRESSOR	OD	OUTSIDE DIAMETER		GLOBE VALVE		CHECK VALVE			
CT	CONTINUED	ORD	OVERFLOW ROOF DRAIN		POINT OF CONNECTION		FLEXIBLE CONNECTOR			
CU	COOLING TOWER	PB	POLYBUTYLENE		THERMOMETER		PETE'S PLUG			
CU	COPPER	PE	POLYETHYLENE	AIR TERMINAL IDENTIFICATION NOTE: ARROWS INDICATE DIRECTION OF AIRFLOW NO ARROWS INDICATE 4-WAY AIRFLOW						
CU FT	CUBIC FEET	PPM	PARTS PER MILLION							
CU IN	CUBIC INCHES	POC	POINT OF CONNECTION							
CW	COLD WATER, CLOCKWISE	PSF	POUNDS PER SQUARE FOOT							
CWP	CONDENSER WATER PUMP	PSI	POUNDS PER SQUARE INCH							
CWR	CONDENSER WATER RETURN	PSIA	POUNDS PER SQUARE INCH, ABSOLUTE							
CWS	CONDENSER WATER SUPPLY	PSIG	POUNDS PER SQUARE INCH, GAGE							
CWV	COMBINATION WASTE & VENT	PVC	POLYVINYL CHLORIDE							
D	DEPTH	RA	RETURN AIR							
DB	DECIBEL, DRY BULB	RD	ROOF DRAIN							
DEG	DEGREE(S)	REQ	REQUIRED							
DIA	DIAMETER	RG	RETURN GRILLE							
DN	DOWN	RH	RELATIVE HUMIDITY							
DPT	DIFFERENTIAL PRESSURE	RPM	REVOLUTIONS PER MINUTE							
DS	DIFFERENTIAL PRESSURE TRANSMITTER	RPS	REVOLUTIONS PER SECOND							
DWG	DRAWING	SAD	SEE ARCHITECTURAL DRAWINGS							
(E)	EXISTING	STD	STANDARD							
EA	EACH	SOV	SHUT OFF VALVE							
EAT	ENTERING AIR TEMPERATURE	SD	SUPPLY DIFFUSER, STORM DRAIN							
EF	EXHAUST FAN	SS	SANITARY SEWER, STAINLESS STEEL							
EFF	EFFICIENCY	TD	TEMPERATURE DIFFERENTIAL							
EG	EXHAUST GRILLE	TEMP	TEMPERATURE							
ELEV	ELEVATION	TOD	TOP OF DUCT							
ENT	ENTERING	TP	TOTAL STATIC PRESSURE							
ESP	EXTERNAL STATIC PRESSURE	TP	TOTAL STATIC PRESSURE							
F	FLOW	TYP	TYPICAL							
FACP	FIRE ALARM CONTROL PANEL	UON	UNLESS OTHERWISE NOTED							
FCO	FLOOR CLEAN OUT	V	VENT, VOLT							
FD	FLOOR DRAIN, FIRE DAMPER	VEL	VELOCITY							
FDC	FIRE DEPARTMENT CONNECTION	VFD	VARIABLE FREQUENCY DRIVE							
FM	FLOW METER	VOL	VOLUME							
FP	FIRE PROTECTION	VP	VELOCITY PRESSURE							
FPI	FINS PER INCH	VTR	VENT THROUGH ROOF							
FPM	FEET PER MINUTE	W	WIDTH							
FPS	FEET PER SECOND	WI	WITH							
FS	FLOW SWITCH	WB	WET BULB							
FSD	FIRE/SMOKE DAMPER	WG	WATER GAGE							
FSP	FIRE SPRINKLER	WO	WITHOUT							
FT	FOOT, FEET	WRG	WALL RETURN GRILLE							
G	GAS	WSR	WALL SUPPLY REGISTER							
GA	GAUGE	WH	WATER HEATER							
GALV	GALVANIZED	WHA	WATER HAMMER ARRESTOR							
GPD	GALLONS PER DAY	XFMR	TRANSFORMER							
GPH	GALLONS PER HOUR	YR	YEAR							
GPM	GALLONS PER MINUTE	Z	ZONE							
GPS	GALLONS PER SECOND									
HD	HEAD									
HG	MERCURY									
HWR	HEATING WATER RETURN									
HWS	HEATING WATER SUPPLY									
HP	HORSEPOWER									
HR	HOSE REEL, HOUR									
HT	HEIGHT									
HVAC	HEATING, VENTILATION & CONDITIONING									
HW	HOT WATER									
HWR	HOT WATER RETURN									
HZ	FREQUENCY									
ID	INSIDE DIAMETER									
INVERT	INVERT ELEVATION									
IW	INDIRECT WASTE									

ISSUED FOR PERMIT	 2000 CENTER ST STE 303 BERKELEY, CA 94704 PHONE: 510-835-2761 FAX: 510-842-1579	CONSULTANT GHD Inc. 2235 Mercury Way Suite 150 Santa Rosa California 95407 USA T 1 707 523 1010	SCALE: AS SHOWN	DESIGN EAO	DATE	CITY OF BERKELEY	MECH LEGEND & ABBR	M-001
			PROJECT NUMBER: 12626824	DRAWN BK	03/28/2025			



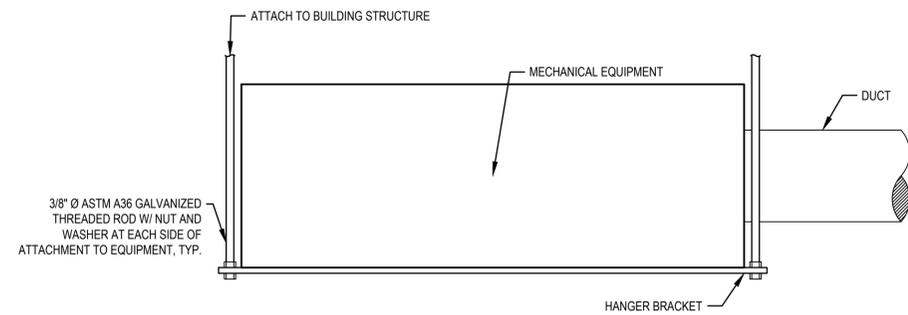


1 MECHANICAL PLAN
SCALE: 1/4" = 1'-0"

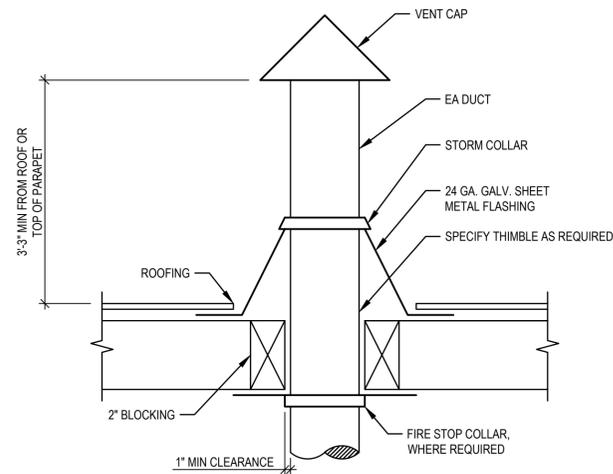


No.	Description	Date

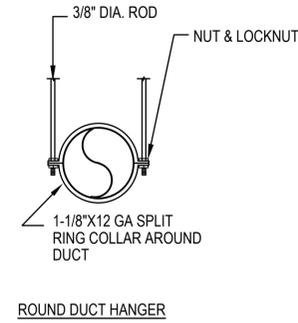
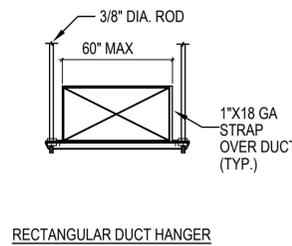
ISSUED FOR PERMIT		2000 CENTER ST STE 303 BERKELEY, CA 94704 PHONE: 510-835-2761 FAX: 510-842-1579	CONSULTANT GHD Inc. 2235 Mercury Way Suite 150 Santa Rosa California 95407 USA T 1 707 523 1010	SCALE: AS SHOWN	DESIGN EAO DRAWN BK CHECK CAR	DATE 03/28/2025	CITY OF BERKELEY DEPARTMENT OF PARKS, RECREATION & WATERFRONT	MECHANICAL PLANS	M-101
				PROJECT NUMBER: 12626824				K-DOCK RESTROOM RENOVATION	



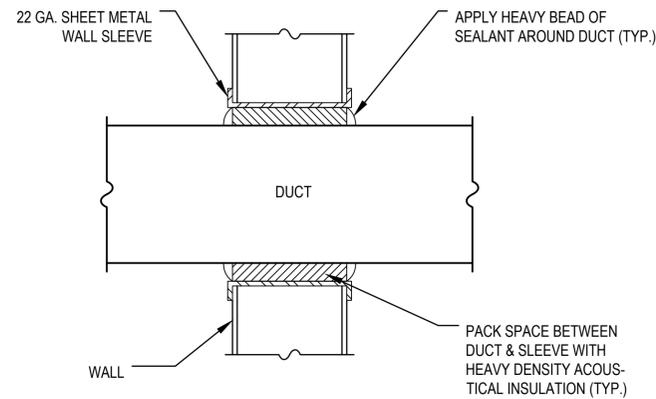
1 MECHANICAL EQUIPMENT HANGING DETAIL
NOT TO SCALE



3 DUCT TERMINATION CAP DETAIL
NOT TO SCALE



2 DUCT HANGING DETAIL
NOT TO SCALE



4 DUCT THROUGH WALL PENETRATION DETAIL
NOT TO SCALE

EXHAUST FAN SCHEDULE										
MARK	MANUFACTURER	MODEL	AIRFLOW (CFM)	EXT. STATIC PRESS. (IN W.G.)	ELECTRICAL			WEIGHT (LBS)	REMARKS	
					VOLT	PHASE	WATTS			MCA/MOP
EF-1	GREENHECK	SP-A70	50	0.260	115	1	13	0.2/15	20	1
EF-2	GREENHECK	SP-A70	50	0.260	115	1	13	0.2/15	20	1
EF-3	GREENHECK	SP-A70	50	0.260	115	1	13	0.2/15	20	1
EF-4	GREENHECK	SP-A70	50	0.260	115	1	13	0.2/15	20	1
EF-5	GREENHECK	SP-A70	50	0.260	115	1	13	0.2/15	20	1
EF-6	GREENHECK	SP-A125	104	0.270	115	1	21	0.2/15	25	1

REMARKS:
1. OCCUPANCY SENSOR CONTROLLED.



No.	Description	Date

ABBREVIATIONS

A	AMPERES, AREA	KW	KILOWATTS
ABS	ACRYLONITRILE-BUTADIENE -STYRENE	KWH	KILOWATTS PER HOUR
AD	AREA DRAIN	L	LENGTH
AFF	ABOVE FINISHED FLOOR	LAT	LEAVING AIR TEMPERATURE
AG	ABOVE GRADE	LBS	POUNDS
APPROX	APPROXIMATE	LF	LINEAR FEET
AS	AIR SEPARATOR	LPG	LIQUID PETROLEUM GAS
AVG	AVERAGE	LTG	LIGHTING
		LVG	LEAVING
BD	BALANCE DAMPER	LWT	LEAVING WATER TEMPERATURE
BDD	BACK DRAFT DAMPER		
BFP	BACK FLOW PREVENTER	MAX	MAXIMUM
BG	BELOW GRADE	MBH	1,000 BTUH
BHP	BRAKE HORSEPOWER	MCC	MOTOR CONTROL CENTER
BOD	BOTTOM OF DUCT	MD	MOTORIZED DAMPER
BTU	BRITISH THERMAL UNIT	MFR	MANUFACTURER
BTUH	BRITISH THERMAL UNIT PER HOUR	MIN	MINIMUM, MINUTE
		MTD	MOUNTED
		MUA	MAKE UP AIR
C	CELSIUS	(N)	NEW
CL	CENTERLINE	NC	NORMALLY CLOSED, NOISE CRITERIA
CCW	COUNTER CLOCKWISE	NIC	NOT IN CONTRACT
CD	CEILING DIFFUSER	NO	NORMALLY OPEN, NUMBER
		NTS	NOT TO SCALE
CFM	CUBIC FEET PER MINUTE		
CH	CHILLER		
CHWP	CHILLED WATER PUMP	OA	OUTSIDE AIR
CHWR	CHILLED WATER RETURN	OBD	OPPOSED BLADE DAMPER
CHWS	CHILLED WATER SUPPLY	OC	ON CENTER
CI	CAST IRON	OD	OUTSIDE DIAMETER
CMPR	COMPRESSOR	ORD	OVERFLOW ROOF DRAIN
CONT	CONTINUED		
CT	COOLING TOWER	PB	POLYBUTYLENE
CU	COPPER	PE	POLYETHYLENE
CU FT	CUBIC FEET	PPM	PARTS PER MILLION
CU IN	CUBIC INCHES	POC	POINT OF CONNECTION
CW	COLD WATER, CLOCKWISE	PSF	POUNDS PER SQUARE FOOT
CWP	CONDENSER WATER PUMP	PSI	POUNDS PER SQUARE INCH
CWR	CONDENSER WATER RETURN	PSIA	POUNDS PER SQUARE INCH, ABSOLUTE
CWS	CONDENSER WATER SUPPLY	PSIG	POUNDS PER SQUARE INCH, GAGE
CWV	COMBINATION WASTE & VENT	PVC	POLYVINYL CHLORIDE
D	DEPTH	RA	RETURN AIR
DB	DECIBEL, DRY BULB	RD	ROOF DRAIN
DEG	DEGREE(S)	REQ	REQUIRED
DIA	DIAMETER	RG	RETURN GRILLE
DN	DOWN	RH	RELATIVE HUMIDITY
DPT	DIFFERENTIAL PRESSURE	RPM	REVOLUTIONS PER MINUTE
		RPS	REVOLUTIONS PER SECOND
DS	DRAWING		
DWG	DRAWING		
(E)	EXISTING	SAD	SEE ARCHITECTURAL DRAWINGS
EA	EACH	STD	STANDARD
EAT	ENTERING AIR TEMPERATURE	SOV	SHUT OFF VALVE
EF	EXHAUST FAN	SD	SUPPLY DIFFUSER, STORM DRAIN
EFF	EFFICIENCY	SS	SANITARY SEWER, STAINLESS STEEL
EG	EXHAUST GRILLE	TD	TEMPERATURE DIFFERENTIAL
ELEV	ELEVATION	TEMP	TEMPERATURE
ENT	ENTERING	TOD	TOP OF DUCT
ESP	EXTERNAL STATIC PRESSURE	TP	TOTAL STATIC PRESSURE
		TYP	TYPICAL
F	FLOW	UON	UNLESS OTHERWISE NOTED
FACP	FIRE ALARM CONTROL PANEL		
FCO	FLOOR CLEAN OUT	V	VENT, VOLT
FD	FLOOR DRAIN, FIRE DAMPER	VEL	VELOCITY
FDC	FIRE DEPARTMENT CONNECTION	VFD	VARIABLE FREQUENCY DRIVE
FM	FLOW METER	VOL	VOLUME
FP	FIRE PROTECTION	VP	VELOCITY PRESSURE
FPI	FINS PER INCH	VTR	VENT THROUGH ROOF
FPM	FEET PER MINUTE		
FPS	FEET PER SECOND	W	WIDTH
FS	FLOW SWITCH	WI	WITH
FSD	FIRE/SMOKE DAMPER	WB	WET BULB
FSP	FIRE SPRINKLER	WG	WATER GAGE
FT	FOOT, FEET	W/O	WITHOUT
		WRG	WALL RETURN GRILLE
		WSR	WALL SUPPLY REGISTER
G	GAS	WH	WATER HEATER
GA	GAUGE	WHA	WATER HAMMER ARRESTOR
GALV	GALVANIZED		
GPD	GALLONS PER DAY		
GPH	GALLONS PER HOUR	XFMR	TRANSFORMER
GPM	GALLONS PER MINUTE		
GPS	GALLONS PER SECOND	YR	YEAR
		Z	ZONE
HD	HEAD		
HG	MERCURY		
HWR	HEATING WATER RETURN		
HWS	HEATING WATER SUPPLY		
HP	HORSEPOWER		
HR	HOSE REEL, HOUR		
HT	HEIGHT		
HVAC	HEATING, VENTILATION & CONDITIONING		
HW	HOT WATER		
HWR	HOT WATER RETURN		
HZ	FREQUENCY		
ID	INSIDE DIAMETER		
INVERT	INVERT ELEVATION		
IW	INDIRECT WASTE		

PLUMBING SYMBOLS LEGEND

HVAC		PIPING	
SYMBOL	DESCRIPTION	SYMBOL	DESCRIPTION
	DUCT SECTION, SUPPLY AIR UP		FUEL OIL (SUPPLY)
	DUCT SECTION, RETURN AIR UP		FUEL OIL (RETURN)
	DUCT SECTION, EXHAUST AIR UP		CHILLED WATER SUPPLY
	DUCT SECTION, SUPPLY AIR DN		CHILLED WATER RETURN
	DUCT SECTION, RETURN AIR DN		HEATING HOT WATER SUPPLY
	DUCT SECTION, EXHAUST AIR DN		HEATING HOT WATER RETURN
	FLEXIBLE DUCT		CONDENSER WATER SUPPLY
	FIRE AND SMOKE DAMPER		CONDENSER WATER RETURN
	FIRE DAMPER		REFRIGERANT LIQUID
	DIRECTION OF FLOW		REFRIGERANT SUCTION
	MANUAL VOLUME DAMPER		AUTOMATIC AIR VENT
	WALL SUPPLY OUTLET, RETURN GRILLE		BLOW OFF STRAINER
	CEILING DIFFUSER		FILTER AND STRAINER LINE
	CEILING RETURN		PRESSURE GAGE
	CEILING EXHAUST		PRESSURE GAGE AND COCK
	DUCT SMOKE DETECTOR		PRESSURE REDUCING VALVE
	THERMOSTAT		RELIEF OR SAFETY VALVE
	REMOTE SENSOR		STRAINER
	CARBON DIOXIDE SENSOR		TEMPERATURE GAGE
	MOTORIZED ACTUATOR		PUMP (PLAN)
			PUMP (SCHEMATIC)
			EXPANSION LOOP
			CAP
			CONCENTRIC REDUCER
			UNION
			THREE-WAY MANUAL VALVE
			BALL VALVE
			BUTTERFLY VALVE
			DIAPHRAGM VALVE
			GATE VALVE
			GLOBE VALVE
			CHECK VALVE
			POINT OF CONNECTION
			FLEXIBLE CONNECTOR
			THERMOMETER
			PETE'S PLUG

SHEET ANNOTATION	
	KEYNOTE
	MECH ROOM ROOM NAME AND ROOM NUMBER
	DETAIL NUMBER
	DETAIL INDICATOR
	SECTION LETTER
	SECTION INDICATOR
	MECHANICAL EQUIPMENT DESIGNATION (SEE SCHEDULE)

AIR TERMINAL IDENTIFICATION	
	<p>NOTE: ARROWS INDICATE DIRECTION OF AIRFLOW NO ARROWS INDICATE 4-WAY AIRFLOW</p>

GENERAL PLUMBING NOTES

- THESE DRAWINGS ARE BASED UPON AVAILABLE DOCUMENTS, WHICH MAY NOT ACCURATELY PORTRAY AS-BUILT CONDITIONS. EXISTING EQUIPMENT AND PIPING SIZES, LOCATIONS, AND DIMENSIONS SHALL BE VERIFIED IN THE FIELD PRIOR TO DEMOLITION AND CONSTRUCTION. NOTIFY THE ENGINEER IMMEDIATELY OF ALL DISCREPANCIES AFFECTING THE REMOVAL OF EXISTING EQUIPMENT AND PIPING, AND THE INSTALLATION OF NEW EQUIPMENT AND PIPING.
- INSTALL PIPING AND DUCTWORK TO BEST SUIT FIELD CONDITIONS AND COORDINATE WITH THE UTILITIES, STRUCTURAL ELEMENTS, EQUIPMENT, PIPING, CONDUIT, DUCTWORK, ETC. THAT IS DAMAGED OR BECOMES INOPERABLE AS A RESULT OF THIS WORK.
- FOR ALL MECHANICAL SYSTEMS CONTROLS, PROVIDE CONDUIT AND WIRING IN ACCORDANCE WITH DIVISION 16 SPECIFICATIONS AND MANUFACTURER'S REQUIREMENTS.
- ALL SANITARY AND SANITARY VENT PIPING SHALL SLOPE AT 1/8" PER 12" UNLESS OTHERWISE NOTED.
- ALL DOMESTIC WATER PIPE SIZES BASED ON TYPE L COPPER.
- ALL PLUMBING FIXTURES AND FITTINGS SHALL BE INSTALLED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND SHALL MEET THE APPLICABLE STANDARDS REFERENCED IN TABLE 1401.1 OF THE CALIFORNIA PLUMBING CODE AND IN CHAPTER 6 OF THE CALIFORNIA GREEN STANDARDS BUILDING CODE.



ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT
GHD
GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010

SCALE: AS SHOWN
PROJECT NUMBER: 12626824

DESIGN EAO
DRAWN BK
CHECK CAR
DATE
03/28/2025

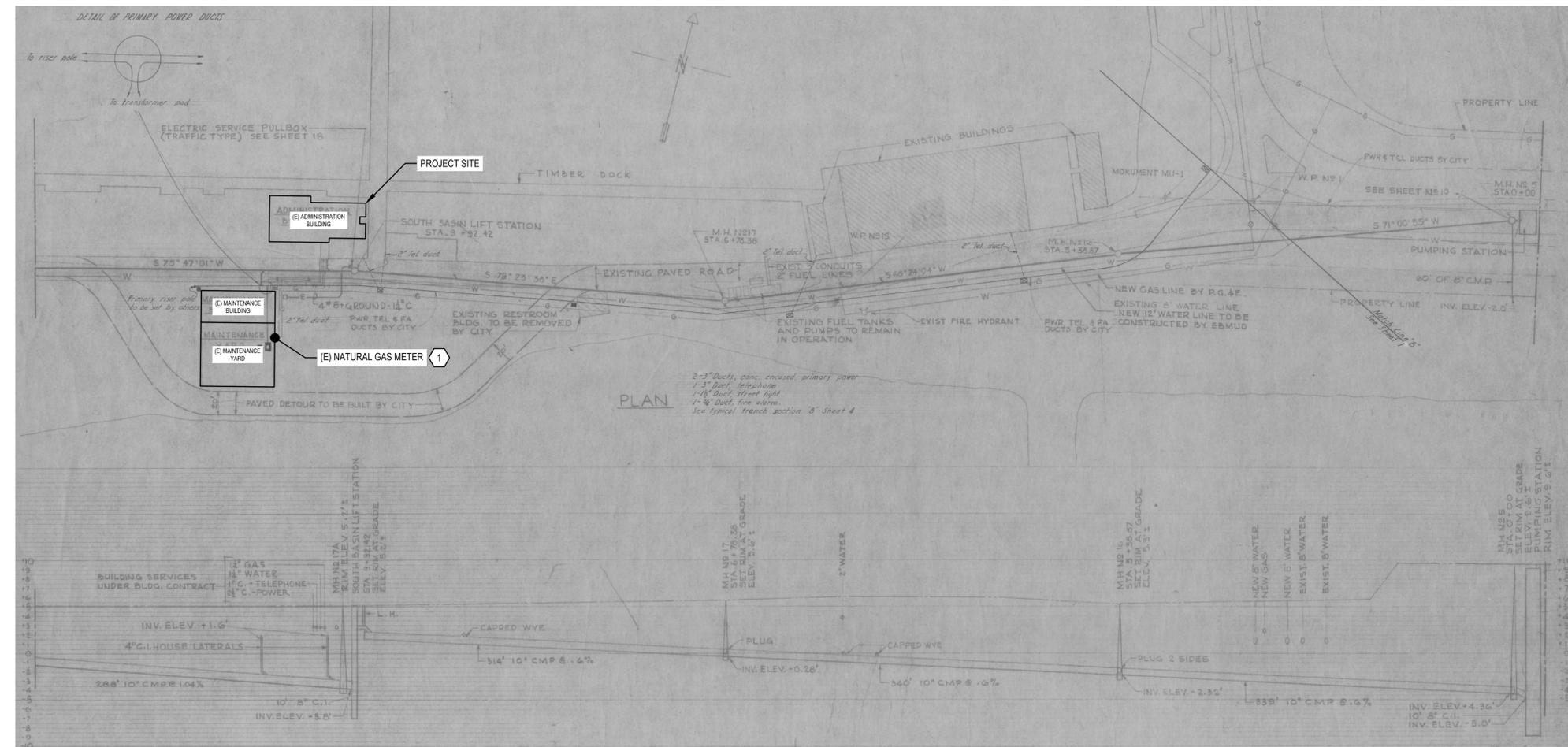
CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

No.	Description	Date

PLUMBING LEGEND & ABBR
K-DOCK RESTROOM RENOVATION
P-001

SHEET KEYNOTES

1. PROVIDE MOTION ACTIVATED SEISMIC SHUT-OFF VALVE AT THE NATURAL GAS METER. REFER TO DETAIL 2/P-501.



1 PLUMBING SITE PLAN
NOT TO SCALE



No.	Description	Date
1	BUILDING PLAN CHECK REVISIONS	03/28/2025

ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT
GHD
GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010

SCALE: AS SHOWN
PROJECT NUMBER: 12626824

DESIGN EAO
DRAWN BK
CHECK CAR
DATE
03/28/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

PLUMBING SITE PLAN
K-DOCK RESTROOM RENOVATION

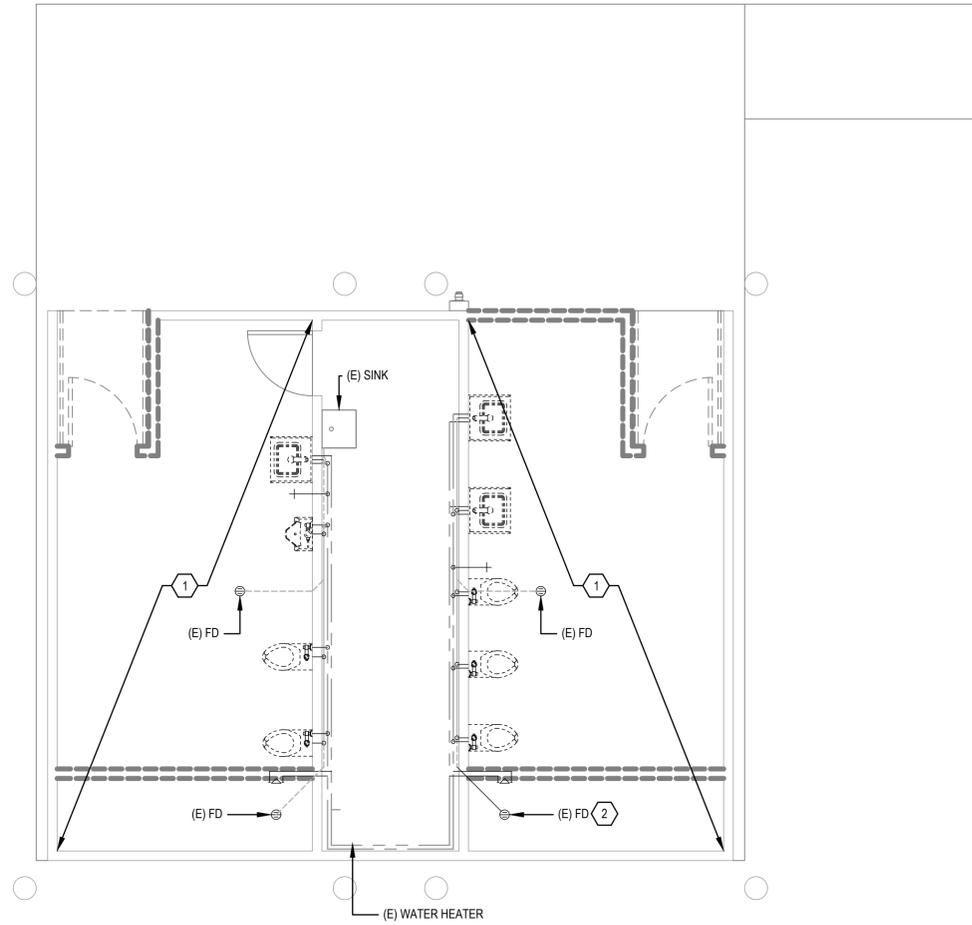
P-100

SHEET GENERAL NOTES

1. PIPING IN MECHANICAL ROOM TO REMAIN.

SHEET KEYNOTES

1. DISCONNECT AND REMOVE EXISTING PLUMBING FIXTURES. EXISTING PIPING TO REMAIN.
2. REMOVE FLOOR DRAIN PIPING.



1 PLUMBING DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

PLUMBING DEMO PLANS
K-DOCK RESTROOM RENOVATION

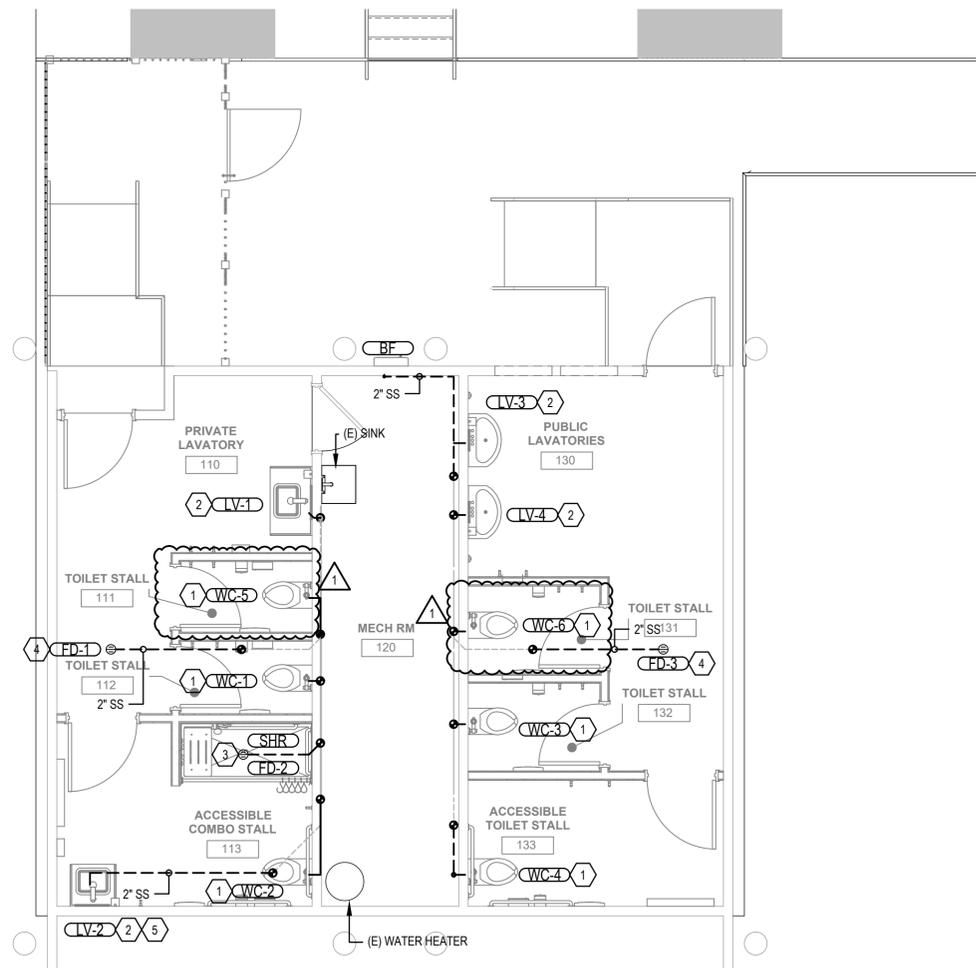
PD-101

SHEET GENERAL NOTES

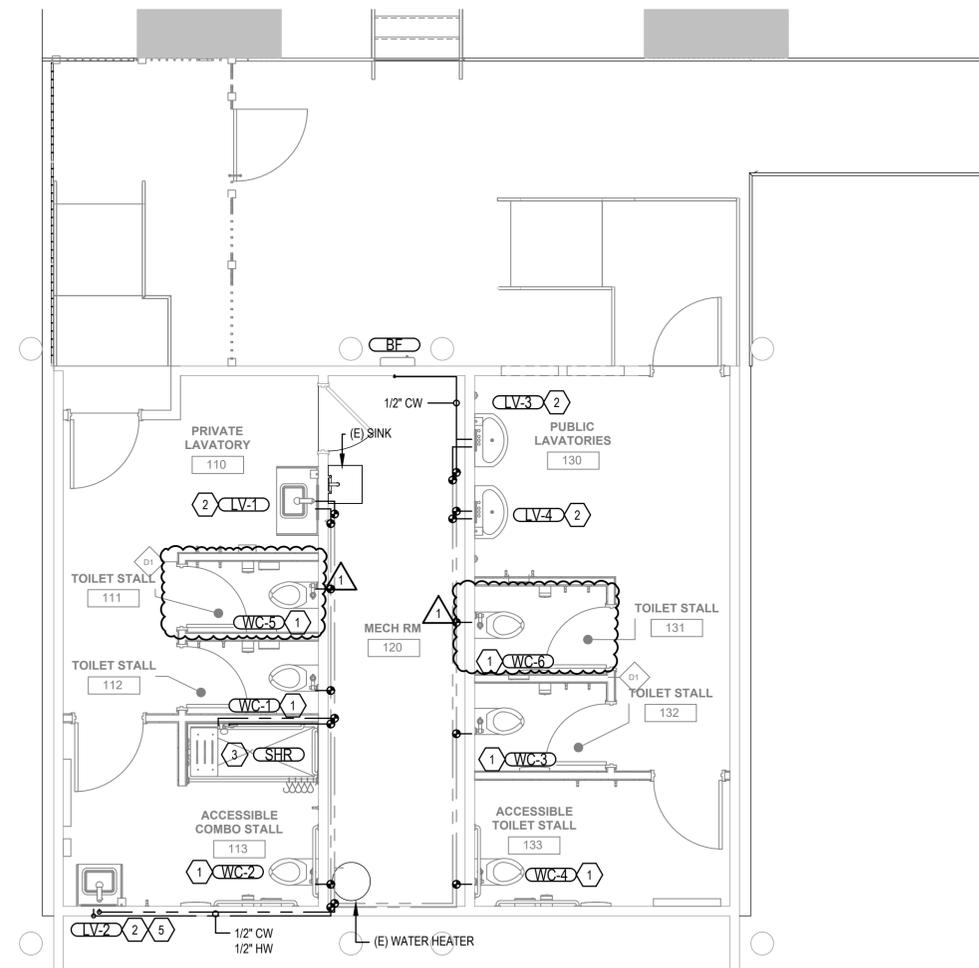
1. ROUTE VENT PIPING INSIDE WALLS TO CONNECT TO EXISTING VENT ABOVE CEILING.
2. PROVIDE MOTION ACTIVATED SEISMIC SHUT-OFF VALVE AT THE NATURAL GAS METER. REFER TO DETAIL 2/P-501.

SHEET KEYNOTES

1. PROVIDE NEW WATER CLOSET TO CONNECT TO EXISTING PLUMBING UTILITY PIPING IN MECHANICAL ROOM.
2. PROVIDE NEW LAVATORY TO CONNECT TO EXISTING PLUMBING UTILITY PIPING IN MECHANICAL ROOM.
3. PROVIDE NEW SHOWER TO CONNECT TO EXISTING PLUMBING UTILITY PIPING IN MECHANICAL ROOM.
4. ROUTE PIPING AND PROVIDE P.O.C. CONNECTION TO EXISTING PIPING.
5. PROVIDE WALL CLEAN-OUT UNDER LAVATORY.



1 PLUMBING PLAN - WASTE AND VENT
SCALE: 1/4" = 1'-0"



2 PLUMBING PLAN - DOMESTIC WATER
SCALE: 1/4" = 1'-0"



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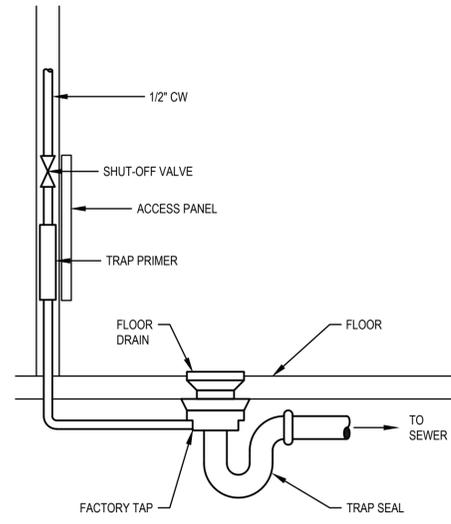
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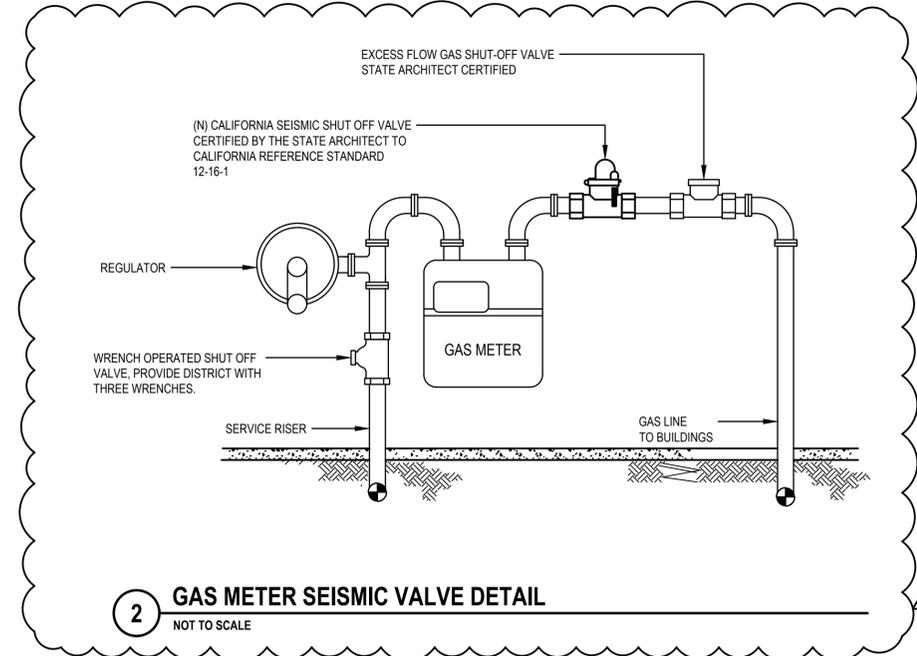
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CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

PLUMBING PLANS
K-DOCK RESTROOM RENOVATION
P-101



1 FLOOR DRAIN/TRAP PRIMER
NOT TO SCALE



2 GAS METER SEISMIC VALVE DETAIL
NOT TO SCALE

LOCAL CONNECTION SCHEDULE											
MARK	DESCRIPTION	MANUFACTURER	MODEL NO.	ADA	FLOW RATE	MAX. ALLOWED	WASTE	VENT	CW	HW	REMARKS
WC-1	WATER CLOSET	AMERICAN STANDARD	3351.101	NA	1.28 GPF	1.28 GPF	4"	2"	1-1/2"	-	-
	FLUSH VALVE	AMERICAN STANDARD	6047.121.002								
WC-2	WATER CLOSET	AMERICAN STANDARD	3351.101	YES	1.28 GPF	1.28 GPF	4"	2"	1-1/2"	-	-
	FLUSH VALVE	AMERICAN STANDARD	6047.121.002								
WC-3	WATER CLOSET	ACORN	2115	NA	1.28 GPF	1.28 GPF	4"	2"	1-1/2"	-	1
WC-4	WATER CLOSET	ACORN	2115-ADA	YES	1.28 GPF	1.28 GPF	4"	2"	1-1/2"	-	1
WC-5	WATER CLOSET	AMERICAN STANDARD	3351.101	NA	1.28 GPF	1.28 GPF	4"	2"	1-1/2"	-	-
	FLUSH VALVE	AMERICAN STANDARD	6047.121.002								
WC-6	WATER CLOSET	ACORN	2115	NA	1.28 GPF	1.28 GPF	4"	2"	1-1/2"	-	1
	LAVATORY	CECO	550								
LV-1	FAUCET	CHICAGO	802-VE2805-665ABCP	YES	0.35 GPM	0.35 GPM	2"	2"	1/2"	1/2"	-
	CARRIER	ZURN	Z-1231								
LV-2	FAUCET	CHICAGO	802-VE2805-665ABCP	YES	0.35 GPM	0.35 GPM	2"	2"	1/2"	1/2"	-
	CARRIER	ZURN	Z-1231								
LV-3	LAVATORY	ACORN	ELPS1-SW000-F70	YES	0.5 GPM	0.5 GPM	2"	2"	1/2"	1/2"	1
LV-4	LAVATORY	ACORN	ELPS1-SW000-F70	YES	0.5 GPM	0.5 GPM	2"	2"	1/2"	1/2"	1
FD-1	FLOOR DRAIN	ZURN	Z415B	NA	NA	NA	2"	2"	-	-	-
FD-2	FLOOR DRAIN	ZURN	Z415B	NA	NA	NA	2"	2"	-	-	-
FD-3	FLOOR DRAIN	ZURN	Z415B	NA	NA	NA	2"	2"	-	-	-
BF	BOTTLE FILLER	WILLOUGHBY	WBF-1SM-PSL1-PBH	NA	NA	NA	2"	2"	1/2"	-	1
SHR	SHOWER	SYMMONS	C-96-1-295-X-VP	YES	2.0 GPM	2.0 GPM	2"	2"	1/2"	1/2"	-

REMARKS
1. VANDAL RESISTANT



No.	Description	Date
1	BUILDING PLAN CHECK REVISIONS	03/28/2025

ABBREVIATIONS	
(D)	DEMOLISH
(E)	EXISTING
(F)	FUTURE
(N)	NEW
A	AMPERES
AC	ALTERNATING CURRENT
AF	AMP FRAME
AFF	ABOVE FINISHED FLOOR
AFG	ABOVE FINISHED GRADE
AHU	AIR HANDLING UNIT
AIC	AMPS INTERRUPTING CAPACITY
ANN	ANNUNCIATOR
ATS	AUTOMATIC TRANSFER SWITCH
AWG	AMERICAN WIRE GAUGE
BAT	BATTERY
BFG	BELOW FINISH GRADE
CATV	CABLE TELEVISION
C	CONDUIT
CB	CIRCUIT BREAKER
CCTV	CLOSED CIRCUIT TELEVISION
CO	CONDUIT ONLY
CPT	CONTROL POWER TRANSFORMER
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
EF	EXHAUST FAN
EGU	ENGINE GENERATOR UNIT
EM	EMERGENCY
EMT	ELECTRICAL METALLIC TUBING
ENT	ELECTRICAL NON-METALLIC TUBING
EP	EXPLOSION PROOF
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FC	FOOT CANDLE
FU	FUSE
GND	GROUND
GFCI	GROUND FAULT CIRCUIT INTERRUPTER
GFI	GROUND FAULT INTERRUPTER
GFR	GROUND FAULT RELAY
HID	HIGH INTENSITY DISCHARGE "HAND-OFF-AUTO" SWITCH
HQA	HIGH QUALITY AIR
HP	HORSEPOWER
HPS	HIGH PRESSURE SODIUM
HVAC	HEATING, VENTILATION & AIR-CONDITIONING
IG	ISOLATED GROUND
JB	JUNCTION BOX
KAIC	KILO-AMPS INTERRUPTING CAPACITY
KV	KILOVOLT
KVA	KILOVOLT-AMP
KW	KILOWATT
KWH	KILOWATT-HOUR
LPS	LOW PRESSURE SODIUM
LV	LOW VOLTAGE
MCB	MAIN CIRCUIT BREAKER
MCC	MOTOR CONTROL CENTER
MCP	MOTOR CIRCUIT PROTECTOR
MFR	MANUFACTURER
MH	METAL HALIDE
MLO	MAIN LUGS ONLY
MV	MEDIUM VOLTAGE
NIC	NOT IN CONTRACT
NL	NIGHT LIGHT
NTS	NOT TO SCALE
OC	ON CENTER
PA	PUBLIC ADDRESS
PT	POTENTIAL TRANSFORMER
PVC	POLYVINYL CHLORIDE
PB	PULL BOX, ELECTRICAL
RECPT	RECEPTACLE, OUTLET
RGS	RIGID GALVANIZED STEEL (CONDUIT)
RVSS	REDUCED VOLTAGE SOFT START
RTU	REMOTE TERMINAL UNIT
TVSS	TRANS. VOLT. SURGE SUPPRESSOR
UF	UNDER FLOOR
UG	UNDERGROUND
UON	UNLESS OTHERWISE NOTED
UPS	UNINTERRUPTIBLE POWER SUPPLY
V	VOLT
VA	VOLT-AMP
VFD	VARIABLE FREQUENCY DRIVE
WP	WEATHERPROOF
WPI	WEATHERPROOF IN USE
XFMR	TRANSFORMER

LIGHTING	
	LIGHTING FIXTURE, SURFACE (PRIVATE)
	RECESSED DOWN LIGHT FIXTURE
	RECESSED DIRECTIONAL FIXTURE (ARROW INDICATES AIMING)
	LIGHTING FIXTURE, SURFACE MOUNTED VANDAL RESISTANT (PUBLIC)
	SURFACE, PENDANT OR OTHER FIXTURE
	LARGE DIAMETER PENDANT, DEPICTING APPROXIMATE DIAMETER
	LIGHTING FIXTURE, WALL MOUNTED
	WALL-MOUNTED HID, INCANDESCENT, OR COMPACT FLUORESCENT FIXTURE
	LIGHTING FIXTURE, PENDANT OR CABLE HUNG
	LIGHT TRACK AND TRACK-MOUNTED FIXTURES
	BATH FAN WITH INTEGRAL LIGHT
	EXIT SIGN, SINGLE FACE WITH DIRECTIONAL ARROWS AS INDICATED
	EXIT SIGN, DOUBLE FACE WITH DIRECTIONAL ARROWS AS INDICATED
	EXIT SIGN, LOW LEVEL
	COMBINATION EXIT/EMERGENCY LIGHT FIXTURE MOUNTING HEIGHT: +8'-0" AFF, UON
	EMERGENCY FIXTURE MOUNTING HEIGHT: +8'-0" AFF, UON
SWITCHING	
	LIGHT SWITCH, SPST - MOUNTING HEIGHT: +44" AFF, UON
	TIMER SWITCH - MOUNTING HEIGHT: +44" AFF, UON
	CIRCUIT AND SWITCH DESIGNATION FOR LIGHTING FIXTURE
	CIRCUIT AND RELAY DESIGNATION FOR LIGHTING FIXTURES (SEE CORRESPONDING LIGHTING CONTROL PANEL RELAY SCHEDULE)
	DIMMER SWITCH - MOUNTING HEIGHT: +44" AFF, UON
	OCCUPANCY SENSOR POWER PACK, 1-CIRCUIT, MOUNTED ABOVE CEILING
	OCCUPANCY SENSOR POWER PACK, 2-CIRCUIT MOUNTED ABOVE CEILING
	OCCUPANCY SENSOR, CEILING MOUNTED, LINE VOLTAGE
	OCCUPANCY SENSOR, CEILING MOUNTED, LOW VOLTAGE
	OCCUPANCY SENSOR, WALL MOUNTED, LINE VOLTAGE, 1-CIRCUIT MOUNTING HEIGHT: +44" AFF, UON
	OCCUPANCY SENSOR, WALL MOUNTED, LINE VOLTAGE, 2-CIRCUIT MOUNTING HEIGHT: +44" AFF, UON
	PHOTO CONTROL SWITCH - MOUNT ON BUILDING EXTERIOR
	TIME CLOCK FOR LIGHTING CONTROL

ELECTRICAL SYMBOLS LEGEND	
POWER	
	DUPLEX RECEPTACLE, 20A 125V 2P 3W, GROUNDING TYPE, MOUNTING HEIGHT: +18" AFF UON
	SPECIAL PURPOSE RECEPTACLE AS DESIGNATED SEE 'SPECIAL SYMBOLS' ON EACH SHEET
	JUNCTION BOX, CODE SIZED UON
	DISCONNECT SWITCH - FUSED WHERE APPLICABLE
	MOTOR CONNECTION
	CEILING EXHAUST FAN
	WATER HEATER
	GROUND ROD
	THERMOSTAT (SEE MECHANICAL DRAWINGS) COORDINATE MOUNTING HEIGHT
	LIGHTING CONTACTOR
OBJECT LINES	
	NEW OBJECTS (HEAVY CONTINUOUS LINES, UNDERGROUND CONDUIT HEAVY DASHED LINES)
	EXISTING OBJECTS TO REMAIN, MAY INCLUDE NEW CIRCUITING ETC. (FINE CONTINUOUS LINES, UNDERGROUND CONDUIT FINE DASHED LINES)
	EXISTING OBJECTS TO BE DEMOLISHED (EXTRA FINE DASHED LINES, SCREENED)

EQUIPMENT	
	MAIN SWITCHBOARD
	DISTRIBUTION PANEL BOARD
	COMBINATION METER/MAIN SERVICE PANEL
	BRANCH CIRCUIT PANEL BOARD, SURFACE OR FLUSH MOUNTED
	LIGHTING CONTROL PANEL
	SIGNAL TERMINAL CABINET OR CONTROL PANEL SURFACE OR FLUSH MOUNTED
	SIGNAL TERMINAL BACKBOARD
	CONCRETE UNDERGROUND HAND HOLE (NUMBER DENOTES CHRISTY SIZE)
	TRANSFORMER
CONDUIT	
	CONDUIT INSTALLED ABOVE GRADE
	CONDUIT INSTALLED UNDERGROUND OR UNDER SLAB
	CONDUIT STUB-OUT WITH CAP
	FLEXIBLE CONDUIT WHIP TO LIGHT FIXTURE OR EQUIPMENT
	INDICATES CIRCUIT BREAKER I.D.
	INDICATES BRANCH PANEL
	COMMA INDICATES MULTIPLE SINGLE POLE CIRCUITS
	SLASH INDICATES MULTI-POLE CIRCUIT
	NOTE FOR CONDUIT: THE TIC MARKS INDICATE THE QUANTITY OF #12 AWG WIRES OR, IF INDICATED, THE QUANTITY OF OTHER SIZE WIRE OR CABLES.
	SEE THE SINGLE LINE DIAGRAM FOR FEEDER SIZES.
	EXAMPLES: $\text{---} \text{---} \text{---} = (3) \#12$ $\text{---} \text{---} = (2) \#10$ $\text{---} \text{---} = (1) \text{TYPE F1 CABLE. SEE CABLE SCHEDULE.}$
ANNOTATION	
	KEYNOTE
	RACEWAY, FEEDER OR CIRCUIT DESIGNATION (SEE SCHEDULE)
	DENOTES TYPE
	LIGHTING FIXTURE TYPE DESIGNATION (SEE SCHEDULE)
	DENOTES WATTS
	DETAIL NUMBER
	DETAIL INDICATOR
	SHEET NUMBER ON WHICH DETAIL APPEARS
	MECHANICAL EQUIPMENT DESIGNATION (SEE SCHEDULE)
	SECTION LETTER
	SECTION INDICATOR
	SHEET NUMBER ON WHICH SECTION APPEARS

GENERAL ELECTRICAL NOTES		
1.	ALL WORK SHALL CONFORM TO THE LATEST ADOPTED VERSION OF THE CALIFORNIA ELECTRICAL CODE (CEC).	
2.	THE CONTRACTOR SHALL MAINTAIN ALL EQUIPMENT IN A SAFE AND RESPONSIBLE MANNER. KEEP DEAD FRONT EQUIPMENT IN PLACE WHILE EQUIPMENT IS ENERGIZED. CONDUCT ALL CONSTRUCTION OPERATIONS IN A SAFE MANNER FOR EMPLOYEES AS WELL AS OTHER WORK PERSONS OR ANYONE VISITING THE JOB SITE. PROVIDE BARRIERS, FLAGS, TAPE, ETC. AS REQUIRED TO MAINTAIN SAFETY.	
3.	PRIOR TO COMMENCING WORK ON EXISTING SYSTEMS OR WHERE EXISTING SYSTEMS REQUIRE TEMPORARY SHUT DOWNS, COORDINATE WITH OWNERS REPRESENTATIVE. WHERE DISCONNECTING, MODIFYING OR WORKING ON EXISTING EQUIPMENT OR SYSTEMS, PROVIDE A WRITTEN METHOD OF PROCEDURE OUTLINING DATES, TIMES, DURATION AND DESCRIPTION OF PROPOSED WORK FOR APPROVAL PRIOR TO COMMENCING WORK. WORK ON EXISTING EQUIPMENT SHALL NOT COMMENCE UNTIL WRITTEN AUTHORIZATION IS GIVEN BY THE OWNERS REPRESENTATIVE.	
4.	ALL EQUIPMENT SHALL BE LISTED AND LABELED PER RECOGNIZED ELECTRICAL TESTING LABORATORY AND INSTALLED PER THE LISTING REQUIREMENTS AND THE MANUFACTURERS INSTRUCTIONS.	
5.	ALL EQUIPMENT SHALL BE GROUNDED PER THE REQUIREMENTS OF CEC ARTICLE 250. EQUIPMENT GROUNDING CONDUCTORS SHALL BE INSTALLED IN ALL POWER SYSTEM RACEWAYS AND HAND HOLES.	
6.	CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFICATION OF ALL DIMENSIONS PRIOR TO CONSTRUCTION.	
7.	ALL WORK ON OR AROUND UTILITY EQUIPMENT AND FEEDERS SHALL BE COORDINATED WITH THAT UTILITY. ALL WORK ON UTILITY EQUIPMENT SHALL BE TO UTILITY STANDARDS AND REQUIREMENTS	

TITLE 24 NOTES		
1.	ACCESSIBLE LIGHTING CONTROLS-EXCEPTION TO SECTION 130.1(A)1. RESTROOMS HAVING 2 OR MORE STALLS MAY USE A MANUAL CONTROL NOT ACCESSIBLE TO UNAUTHORIZED PERSONNEL.	
2.	MULTILEVEL LIGHTING CONTROLS-EXCEPTION 2 TO SECTION 130.1(B). RESTROOMS DO NOT REQUIRE MULTILEVEL LIGHTING CONTROLS	
3.	DAYLIGHT SENSING-EXCEPTION 3 TO SECTION 130.4(D). LIGHT FIXTURES IN DAYLIGHT ZONE ARE LESS THAN 120 WATTS.	



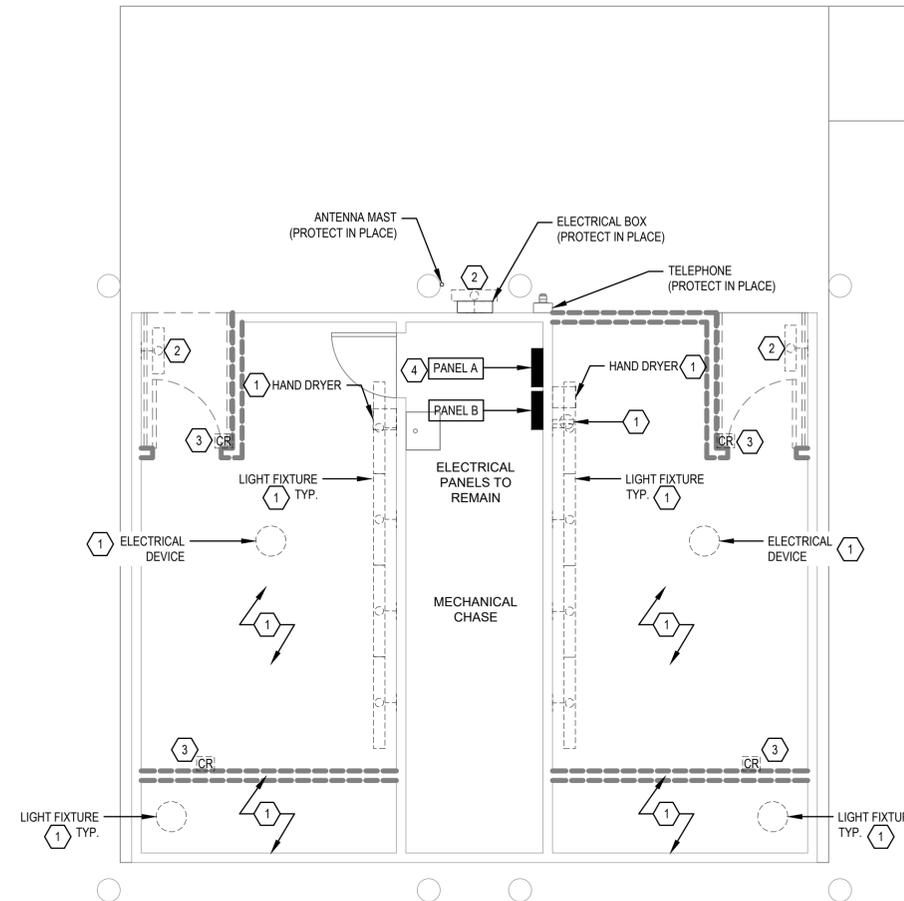
ISSUED FOR PERMIT		CONSULTANT		SCALE: AS SHOWN		DESIGN		DATE		CITY OF BERKELEY		ELEC LEGEND & NOTES		No.		Description		Date	
2000 CENTER ST STE 303 BERKELEY, CA 94704 PHONE: 510-835-2761 FAX: 510-842-1579		GHD Inc. 2235 Mercury Way Suite 150 Santa Rosa California 95407 USA T 1 707 523 1010		PROJECT NUMBER: 12626824		EAO BK CAR		03/28/2025		DEPARTMENT OF PARKS, RECREATION & WATERFRONT		K-DOCK RESTROOM RENOVATION							
														E-001					

SHEET GENERAL NOTES

- EQUIPMENT IN MECHANICAL CHASE NOT SHOWN ON PLANS. COORDINATE REMOVAL OF CIRCUITS/CONDUITS ASSOCIATED WITH DEMOLITION IN THE OTHER ROOMS TO AVOID DAMAGE OR DISRUPTION OF EQUIPMENT IN THE MECHANICAL CHASE.
- PROTECT IN PLACE ALL ELECTRICAL DEVICES AND CIRCUITS FROM ADJACENT ROOMS THAT ARE INSTALLED THROUGH AND OUTSIDE RESTROOMS.

SHEET KEYNOTES

- DISCONNECT AND REMOVE ELECTRICAL DEVICES, LIGHT FIXTURES, CIRCUITS AND EXPOSED CONDUITS BACK TO SOURCE IN INDICATED ROOMS.
- DISCONNECT AND REMOVE EXTERIOR LIGHT FIXTURES, LIGHTING CIRCUITS AND EXPOSED CONDUITS BACK TO SOURCE. REMOVE PHOTOCELL AND APPARATUS ON ROOF.
- DISCONNECT AND REMOVE SECURITY DEVICES, EXPOSED CONDUITS AND CIRCUITS BACK TO SOURCE. PRESERVE DEVICES AND PREPARE TO REUSE.
- DISCONNECT AND REMOVE PANEL-A. PRESERVE CIRCUITS AND PREPARE TO RECONNECT TO NEW PANEL.



1 ELECTRICAL DEMOLITION PLAN
SCALE: 1/4" = 1'-0"



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ELEC DEMO PLANS
K-DOCK RESTROOM RENOVATION

ED101

SHEET GENERAL NOTES

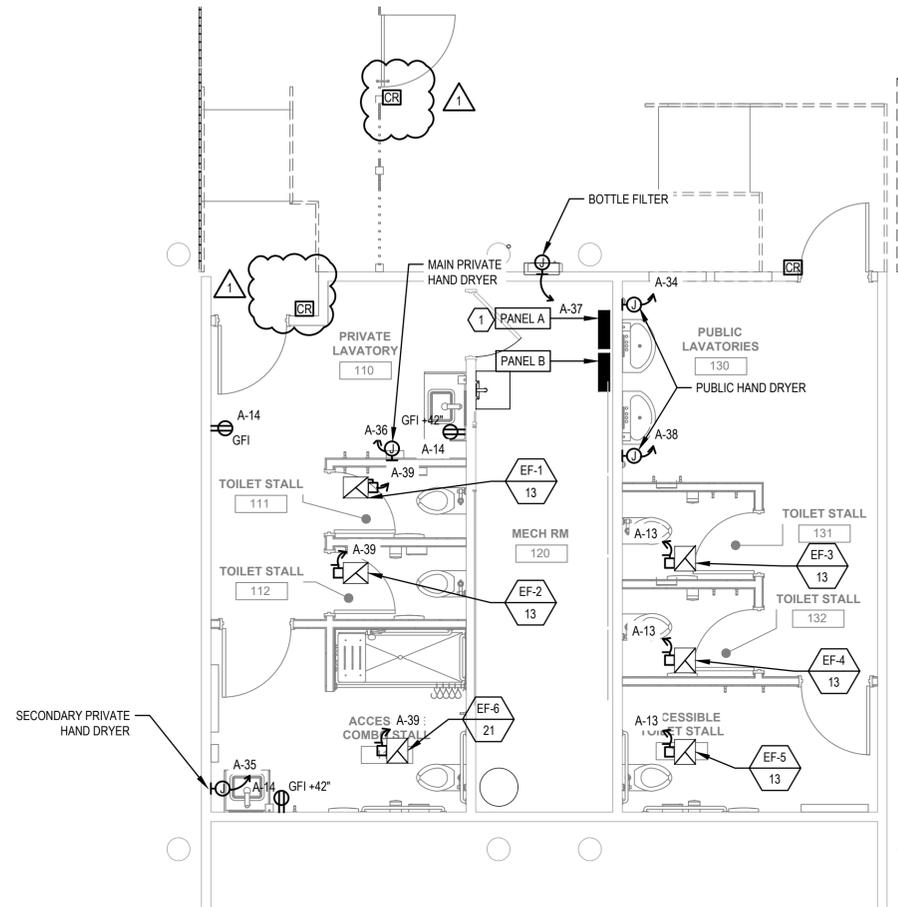
1. TYPICAL POWER CIRCUITS CONSIST OF (2) #12 AWG, #12 GND IN 3/4" RGS CONDUIT.
2. COORDINATE EXACT LOCATION OF EQUIPMENT WITH ARCHITECT.
3. PROVIDE RECEPTACLES, LIGHT FIXTURES, AND CONTROLS AS INDICATED.
4. SEE SHEET E-601 FOR LIGHTING FIXTURE SCHEDULE AND PANEL SCHEDULE.
5. PROVIDE LIGHT FIXTURE TYPE AS INDICATED ON PLANS. REFER TO LIGHTING FIXTURE SCHEDULE ON SHEET E-601 FOR FIXTURE DETAILS.

SHEET SPECIAL SYMBOLS

- PROVIDE 20A DUPLEX RECEPTACLE COMPLETE WITH BACK BOX AND PROVIDE GFI WHERE INDICATED. PROVIDE TYPICAL POWER CIRCUIT.
- PROVIDE JUNCTION BOX FOR HAND DRYER AND DEDICATED POWER CIRCUIT.
- PROVIDE WALL MOUNTED WIRED OCCUPANCY LIGHT CONTROL +44 INCHES AFF.
- PROVIDE WALL MOUNT WIRED OCCUPANCY LIGHT AND FAN CONTROL +44 INCHES AFF.
- CARD READER. REINSTALL CARD READER. PROVIDE 3/4" RGS CONDUIT AND WIRE PER MANUFACTURER AND RECONNECT TO CARD READER POWER SUPPLY TO MATCH ORIGINAL FUNCTIONALITIES.
- PROVIDE 4 RELAY ASTRONOMICAL TIME CLOCK (TORK DLC400BP) OR APPROVED EQUAL WITH EXTERIOR PHOTOCELL CONNECTION. ROUTE EXTERIOR LIGHTS AND PUBLIC SIDE LIGHTING POWER CIRCUIT VIA TIMECLOCK. SEE DETAIL 2 ON SHEET E-501.
- PROVIDE PHOTOCELL ON EXTERIOR WALL OF LAVATORIES. PROVIDE CONDUIT AND WIRES BACK TO TIMECLOCK IN MECH CHASE.
- PROVIDE EXHAUST FAN DISCONNECT SWITCH AND CONNECT TO LIGHTING POWER CIRCUIT. SEE DETAIL 1 ON SHEET E-501.

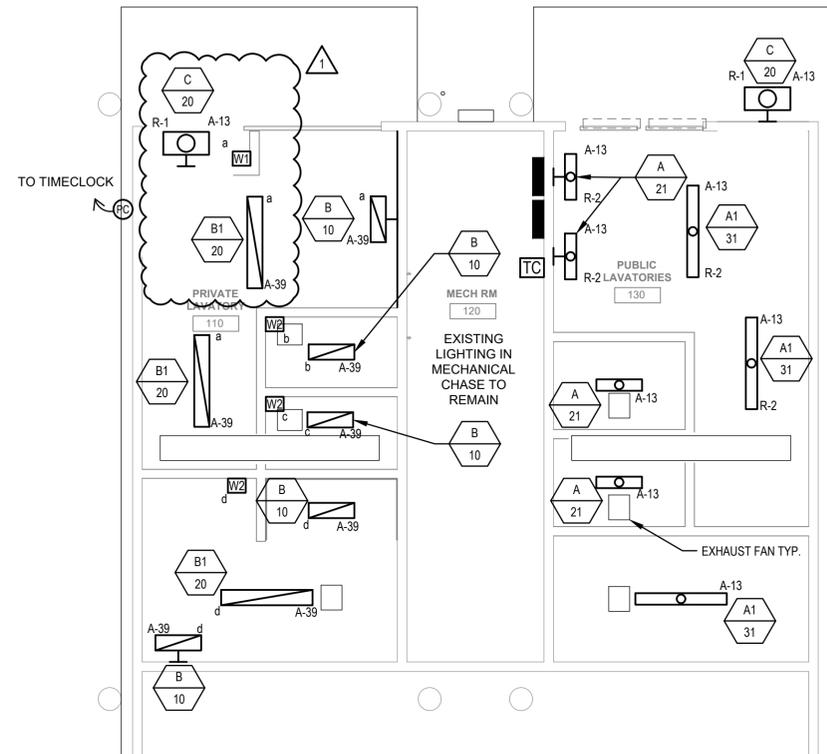
SHEET KEYNOTES

1. PROVIDE BRANCH CIRCUIT PANEL WITH FEATURES AS SHOWN ON PANEL SCHEDULE. PROVIDE CIRCUIT BREAKERS FOR EXISTING LOADS TO MATCH ORIGINAL CIRCUIT BREAKER RATINGS. RECONNECT EXISTING LOADS TO NEW PANEL.



1 ELECTRICAL POWER PLAN

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



2 ELECTRICAL LIGHTING PLAN

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



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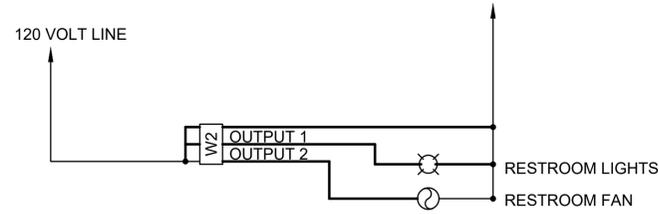
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RECREATION & WATERFRONT

ELECTRICAL PLANS
K-DOCK RESTROOM RENOVATION

E-101

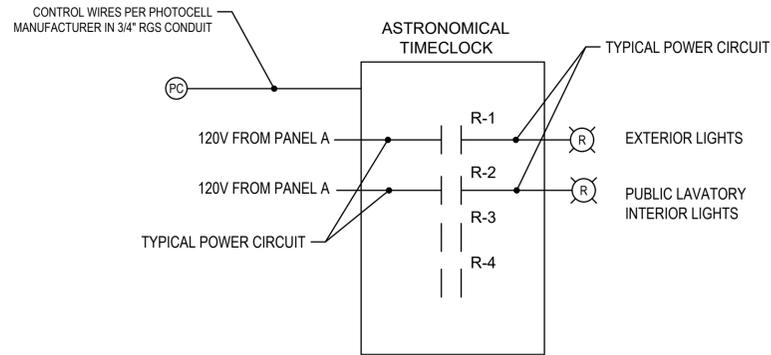


NOTES:

1. PROVIDE FAN/LIGHT WALL CONTROL (LUTRON MS-B202) OR EQUAL.
2. SET OCCUPANCY SENSOR TO STANDARD OCCUPANCY LOGIC, 10 MINUTE TIME DELAY, LED ENABLED, SENSITIVITY MAX.

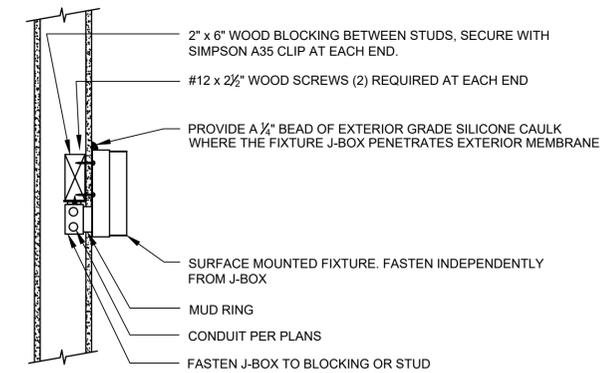
1 TYPICAL LAVATORY FAN AND LIGHT OCCUPANCY DIAGRAM

SCALE: NTS



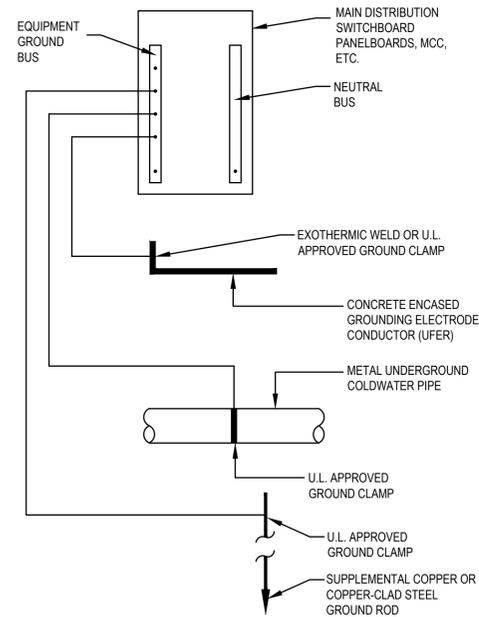
2 TYPICAL LIGHTING DIAGRAM

SCALE: NTS



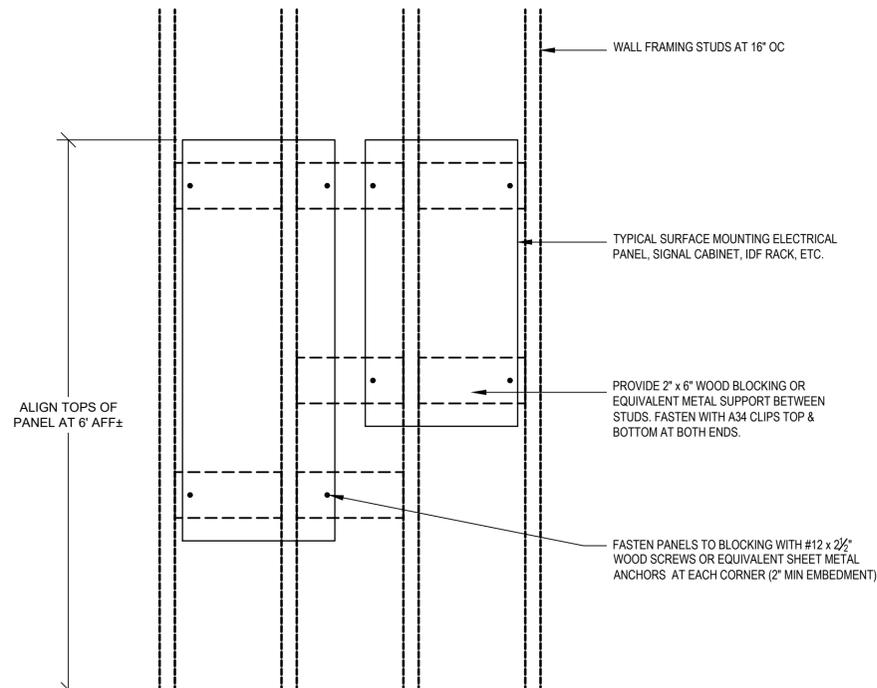
3 SURFACE MOUNTED FIXTURE

SCALE: NTS



4 TYPICAL BUILDING GROUND ELECTRODE SYSTEM

SCALE: NTS



NOTES:

1. FOR EQUIPMENT EXCEEDING 42" IN HEIGHT PROVIDE ADDITIONAL BLOCKING AT MIDDLE OF PANEL.
2. MAX WEIGHT OF ELECTRICAL PANEL BOARDS AND CABINETS NOT TO EXCEED 200 LBS

5 TYPICAL SURFACE MOUNT ELECTRICAL EQUIPMENT

SCALE: NTS



No.	Description	Date

ISSUED FOR PERMIT



2000 CENTER ST STE 303
BERKELEY, CA 94704
PHONE: 510-835-2761
FAX: 510-842-1579

CONSULTANT
GHD
GHD Inc.
2235 Mercury Way Suite 150
Santa Rosa California 95407 USA
T 1 707 523 1010

SCALE: AS SHOWN

PROJECT NUMBER: 12626824

DESIGN EAO
DRAWN BK
CHECK CAR

DATE
03/28/2025

CITY OF BERKELEY
DEPARTMENT OF PARKS,
RECREATION & WATERFRONT

ELECTRICAL DETAILS
K-DOCK RESTROOM RENOVATION

E-501

SHEET GENERAL NOTES

- TYPICAL POWER CIRCUIT CONSIST OF (2) #12 AWG, #12 GND IN 3/4" RGS CONDUIT.

PANEL SCHEDULE																		
PANEL NAME: PANEL A			VOLTAGE: 208/120			NEMA RATING: 1			MOUNTING: SURFACE			NOTES:						
MAINS RATING: 100 A MCB			PHASE: 3			AIC RATING:			LOCATION: MECH. ROOM									
BUS RATING: 100 A			WIRE: 4			DEMAND FACTOR: STD												
CKT NO.	USE	DESCRIPTION	BKR SIZE	CKT KVA	CKT AMPS	WIRE SIZE	WIRE LENGTH (FT)	VOLTAGE DROP %	PHASE	VOLTAGE DROP %	WIRE LENGTH (FT)	WIRE SIZE	CKT AMPS	CKT KVA	BKR SIZE	DESCRIPTION	USE	CKT NO.
1	L	(E) LIGHTS - HARBOR OFF. COAT & HEAD	20/1						A						20/1	(E) LIGHTS - CENTRAL OFF.		2
3	R	(E) RECEPTACLES - HARBOR OFF.	20/1						B						20/1	(E) CEILING LIGHTS, CENTRAL OFFICE		4
5	L	(E) LIGHTS - ASST. OFFICE	20/1						C						20/1	(E) TOWER PLUG		6
7	L	(E) DOCK RAMP & EXT. OFFICE LIGHTS	20/1						A						20/1	(E) CEILING LIGHTS CENTRAL OFFICE		8
9	L	(E) TOWER LIGHTS	20/1						B						20/1	(E) TOWER ROOF "J" BOX		10
11	L	(E) MENS OUTSIDE FLOODS	20/1						C						20/1	(E) PLUGS -EAST WALL		12
13	L	PUBLIC LAVATORY LIGHTS/IEF-3,4,5	20/1	0.22	1.85	12	100	0.51	A	1.23	100	12	4.50	0.54	20/1	PRIVATE RESTROOM RECEPTACLES	R	14
15	R	(E) PLUGS- ASST. OFFICE, HEATER	20/1						B						20/1	(E) PHONE PLUG MECH. ROOM		16
17	R	(E) TOWER PLUGS	20/1						C						20/1	(E) PLUG COUNTER EAST		18
19	H	(E) CENTRAL HEATER	20/1						A						20/1	(E) EXISTING LOAD		20
21	R	(E) PLUG COUNTER WEST	20/1						B						20/1	(E) J PARKING LOT LIGHTS		22
23		(E) LOAD	20/1						C						20/1	(E) J PARKING LOT LIGHTS AND PATH		24
25	R	(E) FLOOR DBL DUPLEX COMPUTERS	20/1						A						20/1	(E) LOAD		26
27	R	(E) COMPUTER DOWNSTAIRS	20/1						B						20/1	(E) MENS SHOWER HEATER		28
29	R	(E) UPS PLUG UNDERSTAIRS	20/1						C						20/1	(E) LOAD		30
31		(E) LOAD	20/2						A						20/1	(E) WOMENS SHOWER HEATER		32
33	R	(E) LOAD	20/3						B	0.04	10	12	1.50	0.18	20/1	PUBLIC HAND DRYER	O	34
35	R	SECONDARY PRIVATE HAND DRYER	20/1	0.18	1.50	12	50	0.21	C	0.04	10	12	1.50	0.18	20/1	MAIN PRIVATE HAND DRYER	O	36
37	O	BOTTLE FILTER	20/1	1.00	8.33	12	20	0.48	A	0.04	10	12	1.50	0.18	20/1	PUBLIC HAND DRYER	O	38
39	L	PRIVATE LAVATORY LIGHTS/IEF-1,2,6	20/1	0.16	1.33	12	100	0.36	B						20/1	SPARE		40
41		SPARE	20/1						C						20/1	SPARE		42
CONNECTED KVA			DEMAND KVA			DEMAND AMPS			USE LEGEND			VOLTAGE DROP CALCULATION						
PHASE A:	1.9	2.0	16.6	ID	LOAD TYPE			ASSUMED PF			VOLTAGE DROP IS BASED ON THE IEEE RED BOOK AND 2011 NEC CHAPTER 9 TABLE 9 FORMULA:			ASSUMPTIONS:				
PHASE B:	0.3	0.4	3.2	H	HVAC			0.85			VD = I * (R * PF + X * SIN(ACOS(PF))) * L			POWER FACTOR				
PHASE C:	0.4	0.4	3.0	L	LIGHTING			0.80			WITH AN ADDITIONAL MULTIPLIER OF 2 FOR SINGLE PHASE AND 1.732 FOR 3-PHASE LOADS			CONDUIT TYPE				
STD DEMAND LOAD BASED ON 125% OF THE LARGEST MOTOR AND 100% OF THE REMAINING MOTORS, 125% OF CONTINUOUS LOADS, 100% OF NONCONTINUOUS LOADS, AND 50% OF RECEPTACLE LOADS BEYOND THE FIRST 10KVA				M	MOTOR			0.85			R AND X VALUES ARE TAKEN FROM 2011 NEC CHAPTER 9 TABLE 9.			WIRE MATERIAL				
				R	RECEPTACLE			0.80						VARIED BY LOAD TYPE				
				P	PANEL			0.85						RGS				
				O	OTHER			0.85						CU				

1 ELECTRICAL PANEL SCHEDULE
SCALE: NTS

LIGHTING FIXTURE SCHEDULE										
TYPE	DESCRIPTION	MANUFACTURER	MODEL	LAMP TYPE	COLOR TEMP	FIXTURE LUMENS	FIXTURE WATTS	MOUNTING	NOTES	
A	2' LINEAR VANDAL-RESISTANT (PUBLIC)	H.E. WILLIAMS	AVX-2-L25-8-35-WPC-WET/CC-DIM-120-TSPN-8 T.OOL	LED	3500K	2,500	21	WALL MOUNTED AT 5'-0"	NONE	
A1	4' LINEAR VANDAL-RESISTANT (PUBLIC)	H.E. WILLIAMS	AVX-4-L36-8-35-WPC-WET/CC-DIM-120-TSPN-8 T.OOL	LED	3500K	3,600	31	CEILING MOUNTED AT 8'-6"	NONE	
B	2' LINEAR	H.E. WILLIAMS	SLF-2-L13-8-35-HIATP-DIM-120	LED	3500K	1,300	10	WALL MOUNTED AT 5'-0"	NONE	
B1	4' LINEAR	H.E. WILLIAMS	SLF-4-L26-8-35-HIATP-DIM-120	LED	3500K	2,600	20	CEILING MOUNTED AT 8'-6"	NONE	
C	EXTERIOR WALL PACK	H.E. WILLIAMS	WLSQC-L22/840-BZ-UNV	LED	4000K	2,200	20	WALL MOUNTED AT 7'-6"	NONE	

NOTE: REFER TO SPEC SECTION 26 09 23 FOR LIGHTING CONTROL SEQUENCE OF OPERATIONS

2 ELECTRICAL LIGHTING FIXTURE SCHEDULE
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			PROJECT NUMBER: 12626824					