

# CONSTRUCTION DRAWINGS

FOR

# HUMBOLDT TRANSIT AUTHORITY

# OFFICE REMODEL



LOCATION MAP

NO SCALE



## ABBREVIATIONS

AC	ASPHALT CONCRETE	P.P.	POWER POLE
A.B.	ANCHOR BOLT	<P>	PROPOSED
AGG.	AGGREGATE	PL	PLATE
APPROV.	APPROVED	PLY	PLYWOOD
BN	BOUNDARY NAILING	P.S.I.	POUNDS PER SQUARE INCH
BW	BACK OF WALK	P.U.E.	PUBLIC UTILITY EASEMENT
BO	BLOW-OFF	RCP	REINFORCE CONCRETE PIPE
CATV	CABLE TELEVISION	RD.	ROAD
CC	CONCRETE	R/W	RIGHT OF WAY
CL	CENTERLINE	SD	STORM DRAIN
CO	CLEANOUT	S.F.	SQUARE FOOT
CONC.	CONCRETE	SHT.	SHEET
DBL	DOUBLE	SS	SANITARY SEWER
DI	DRAINAGE INLET	SSCO	SANITARY SEWER CLEANOUT
<E>	EXISTING	SSMH	SANITARY SEWER MANHOLE
EL	ELEVATION	SD	STORMDRAIN
ELEC.	ELECTRICAL	SQ.	SQUARE
EN	EDGE NAILING	TR	TELEPHONE VAULT
EP	EDGE OF PAVEMENT	STD.	STANDARD
EV	ELECTRICAL VAULT	SWK.	SIDEWALK
EXIST.	EXISTING	T.B.M.	TEMPORARY BENCH MARK
FF	FINISHED FLOOR	TBR	TO BE REMOVED
FH	FIRE HYDRANT	TC	TOP OF CURB
FL	FLOW LINE	TOG	TOP OF GRATE
GD	GROUND	TP.	TYPICAL
GM	GAS METER	THK.	THICK
IP	IRON PIPE	U.O.N.	UNLESS OTHERWISE NOTED
JP	JOINT UTILITY POLE	UTIL.	UTILITY
JB	JUNCTION BOX	W	WATER
HP	HIGH POINT	W/	WITH
MH	MANHOLE	WM	WATER METER
MIN.	MINIMUM	WV	WATER VALVE
<N>	NEW		

## PROJECT DATA

PROJECT ADDRESS: 133 V STREET, EUREKA, CA 95501  
 OWNER: HUMBOLDT TRANSIT AUTHORITY  
 APN: 002-091-003, 002-091-010  
 ZONING AND GENERAL PLAN DESIGNATIONS: GSC/CS  
 COASTAL ZONE: YES  
 ASSOCIATED COASTAL DEVELOPMENT PERMITS: CDP 25-4 AND CDP 6-99  
 PROJECT SCOPE:

CONSTRUCTION OF NEW INTERIOR WALLS TO SUBDIVIDE AN EXISTING CONFERENCE ROOM AND TWO EXISTING OFFICES INTO EIGHT SMALLER OFFICE SPACES. REMOVAL AND REPLACEMENT OF THE EXISTING SUSPENDED ACOUSTICAL CEILING AND EXISTING LIGHT FIXTURES AT NEW OFFICE SPACES. INSTALLATION OF TWO NEW EXTERIOR OFFICE WINDOWS, WITH DEMOLITION AND NEW WALL FRAMING AS REQUIRED. REMOVAL OF TWO EXISTING GAS HEATING FURNACES, AND REPLACEMENT WITH NEW EQUIVALENT UNITS. MODIFICATION OF THE EXISTING DUCT SYSTEM TO ACCOMMODATE NEW ROOM LAYOUTS. NO CHANGE TO BUILDING FOOTPRINT PROPOSED.

BUILDING DEPARTMENT: CITY OF EUREKA  
 BUILDING CODES:

2022 CALIFORNIA BUILDING CODE  
 2022 CALIFORNIA MECHANICAL CODE  
 2022 CALIFORNIA PLUMBING CODE  
 2022 CALIFORNIA FIRE CODE  
 2022 CALIFORNIA ENERGY CODE  
 2022 CALIFORNIA GREEN BUILDING CODE  
 2022 T-24 ENERGY STANDARDS  
 CITY OF EUREKA, CA MUNICIPAL CODE

## BUILDING DATA

OCCUPANCY GROUPS:  
 B OCCUPANCY: OFFICE/BUSINESS  
 S-1 OCCUPANCY: MOTOR VEHICLE REPAIR GARAGE/STORAGE

BUILDING AREA:  
 1ST FLOOR B OCC. = 3,494 S.F.  
 1ST FLOOR S-1 OCC. = 7,653 S.F.  
 TOTAL 1ST FLOOR = 11,147 S.F.  
 MEZZANINE S-1 OCC. = 1,262 S.F.  
 TOTAL BUILDING AREA = 12,409 S.F.

TYPE OF CONSTRUCTION: VB

## PROJECT CONSULTANT

WHITCHURCH ENGINEERING, INC.  
 610 9th STREET  
 FORTUNA, CA 95540  
 (707) 725-6926

## GENERAL NOTES

- ALL CONSTRUCTION, MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2022 EDITION OF THE CALIFORNIA BUILDING CODE, 2022 EDITIONS OF THE CALIFORNIA ELECTRICAL AND FIRE CODES, AND ALL APPENDICES THERETO, CALTRANS STANDARD PLANS & SPECIFICATIONS, LATEST EDITION.
- THE CONTRACTOR SHALL PROVIDE WORKMANS COMPENSATION INSURANCE & LIABILITY INSURANCE.
- THE CONTRACTOR SHALL GUARANTEE ALL LABOR AND MATERIAL FOR A MINIMUM OF ONE YEAR.
- THE GENERAL CONTRACTOR SHALL VERIFY ALL THE SITE CONDITIONS AND DIMENSIONS BEFORE STARTING WORK. THE CONTRACTOR SHALL NOTIFY THE OWNER'S REPRESENTATIVE OF ANY DISCREPANCIES.
- FEATURES OF CONSTRUCTION SHOWN ARE TYPICAL AND SHALL APPLY GENERALLY THROUGHOUT SIMILAR CONDITIONS.
- DETAILS SHOWN ON TYPICAL DETAIL SHEETS SHALL BE USED WHENEVER APPLICABLE, UNLESS OTHERWISE SHOWN. SPECIFIC DETAILS ON THE CIVIL DRAWINGS TAKE PRECEDENCE OVER TYPICAL DETAILS. SPECIFIC NOTES SHOWN ON THE CIVIL DRAWINGS TAKE PRECEDENCE OVER GENERAL NOTES. NOTES AND DETAILS ON THE STRUCTURAL DRAWINGS TAKE PRECEDENCE OVER SPECIFICATIONS.
- ALL CONDITIONS SHOWN OR NOTED AS EXISTING ARE BASED ON BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS. NO WARRANTY IS IMPLIED AS TO THEIR ACCURACY.
- ALL BUILDING MATERIAL SHALL BE NEW MATERIAL, UNLESS OTHERWISE APPROVED OR SPECIFIED BY ENGINEER.
- CONTRACTORS SHALL VERIFY EASEMENTS (PUBLIC OR PRIVATE) FOR SEWER, WATER, ELECTRICAL, TELEPHONE, CABLE T.V., AND GAS PRIOR TO STARTING CONSTRUCTION.
- VERIFY ALL UTILITY DATA AND LOCATIONS PRIOR TO ANY WORK. ONSITE UTILITIES SHALL BE COORDINATED WITH THE APPROPRIATE AGENCY OR UTILITY COMPANY.
- THE DESIGN CONSULTANTS ASSUMES NO RESPONSIBILITY FOR THE PERFORMANCE OF PRODUCTS OR MATERIALS NOT SPECIFIED IN THESE DRAWINGS.
- WRITTEN DIMENSIONS TAKE PRECEDENCE OVER SCALED DRAWINGS. WHERE DISCREPANCIES OCCUR NOTIFY THE OWNER'S REPRESENTATIVE FOR CLARIFICATION.
- ACCEPT NO INK OR PENCIL CORRECTIONS TO THESE DRAWINGS WITHOUT THE OWNER'S REPRESENTATIVE INITIAL OR SIGNATURE. THE DESIGN CONSULTANTS SHALL BE HELD HARMLESS FOR ALL CHANGES NOT IN CONFORMANCE WITH THIS PROVISION.
- ALL USERS OF THESE DRAWINGS AGREE BY USING THESE DRAWINGS TO HOLD THE DESIGN CONSULTANTS HARMLESS FOR ANY AND ALL WORK THAT DOES NOT CONFORM TO THE REQUIREMENTS AND MINIMUM STANDARDS OF THE C.B.C., ORDINANCES, AND ACCEPTABLE STANDARDS.
- THESE DRAWINGS ARE THE PROPERTY OF THE DESIGN CONSULTANTS AND ARE NOT TO BE USED IN PART FOR ANY WORK OTHER THAN THE LOCATION SHOWN HEREON.
- THE DESIGN CONSULTANTS AND THE OWNER SHALL HAVE NO CONTROL OR CHARGE OF AND SHALL NOT BE RESPONSIBLE FOR CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES FOR ANY SAFETY PRECAUTIONS AND PROGRAMS IN CONNECTION WITH THE WORK.
- THE CONTRACTOR SHALL COMPLY WITH ALL OF THE APPLICABLE REQUIREMENTS OF THE FEDERAL WILLIAMS - STEIGER OCCUPATIONAL SAFETY AND HEALTH ACT (OSHA) OF 1970 AND ANY AMENDMENTS THERETO. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE OWNER AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE CONTRACTOR SHALL COMPARE ALL PAGES OF THE PLANS; ANY DISCREPANCIES SHALL BE REPORTED TO THE ENGINEER PRIOR TO PROCEEDING WITH WORK.
- UPON COMPLETION OF THE PROJECT, THE CONTRACTOR AND SUBCONTRACTORS SHALL REMOVE SURPLUS MATERIALS AND DEBRIS FROM THE SITE. CONTRACTOR SHALL REMOVE ALL DELETERIOUS MATERIAL FROM SITE INCLUDING BUT NOT LIMITED TO: BROKEN CONCRETE, STUMPS, ROCKS, DEBRIS, ASPHALT RUBBLE, GARBAGE, ETC. AND LEGALLY DISPOSE OF ABOVE.
- LOCATIONS AND ELEVATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN HEREON ARE FROM RECORD INFORMATION ONLY AND ARE SHOWN FOR INFORMATION ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UNDERGROUND UTILITIES PRIOR TO EXCAVATION AND CONSTRUCTION IN ANY AREA. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 1-800-642-2444 A MINIMUM OF 48 HOURS IN ADVANCE OF ANY EXCAVATION. CONTRACTORS SHALL IMMEDIATELY REPORT ANY DISCREPANCIES IN RECORD INFORMATION TO ENGINEER AND DEVELOPER PRIOR TO CONSTRUCTING ANY WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL SITE SAFETY REQUIREMENTS.
- CONTRACTOR SHALL PROTECT ALL EXISTING IMPROVEMENTS ON OR ADJACENT TO PROJECT SITE. CONTRACTOR SHALL REPAIR OR REPLACE ALL DAMAGE TO EXISTING IMPROVEMENTS TO THE SATISFACTION OF CITY OF EUREKA OR PRIVATE PROPERTY OWNER INVOLVED.

## SHEET INDEX

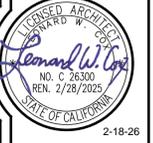
A1	COVER SHEET/ LOCATION MAP/ NOTES
A2	SITE PLAN
A3	EXISTING/DEMO FLOOR PLAN AND ELEVATION
A4	EXISTING/DEMO REFLECTED CEILING PLAN
A5	FLOOR PLAN AND EXTERIOR ELEVATION
A6	REFLECTED CEILING PLAN
A7	DOOR, WINDOW, AND FINISH SCHEDULES
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M1	EXISTING MECHANICAL PLAN
M2	NEW MECHANICAL PLAN
M3	MECHANICAL DETAILS
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E2	ELECTRICAL AND LIGHTING SCHEDULE

THESE PLANS ARE ORIGINALLY PRINTED ON 24"x36" PAPER.



This drawing or drawing set shall not be used for construction unless a jurisdictional stamp (County, City, State, Federal) has been issued on the drawing, stating "FOR PERMIT" or similar verbiage, a wet signed professional engineer's stamp, and permit documents have been issued for the project.

REVISIONS	BY
2/04/25	ZJZ
2/18/26	FMT



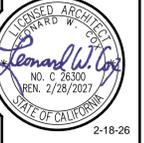
WHITCHURCH ENGINEERING, INC.  
 610 9th Street Fortuna, California 95540  
 Phone (707) 725-6926

HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL  
 133 V STREET, EUREKA, CALIFORNIA 95501  
 COVER SHEET/ LOCATION MAP/ NOTES  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

Date	OCT. 24, 2025
Scale	AS NOTED
Design	LWC
Drawn	LWC
Job	HTA-2502.1
Sheet	A1

A1

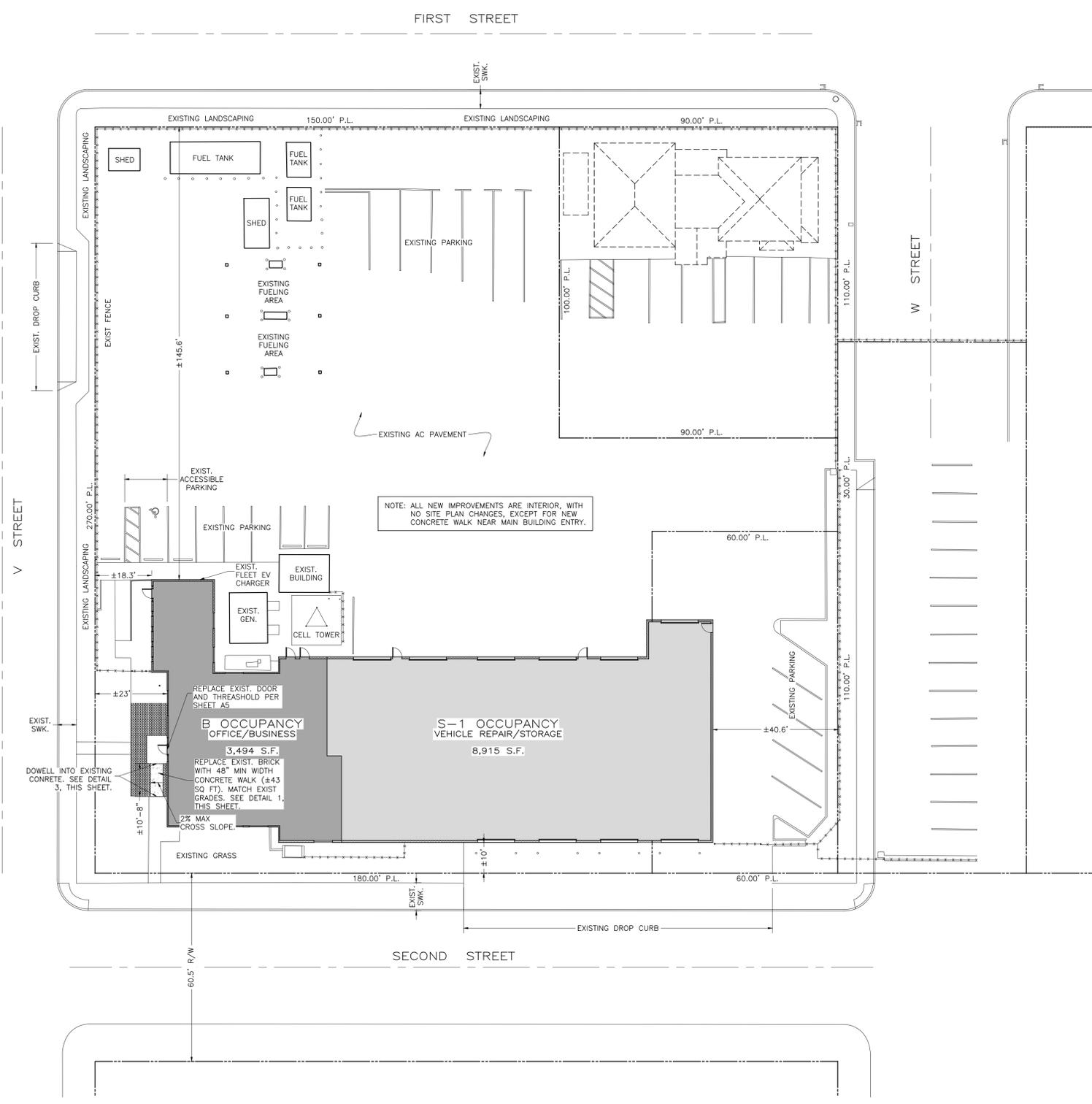
REVISIONS	BY
Δ 2/04/25	ZJZ
Δ 2/18/26	FMT



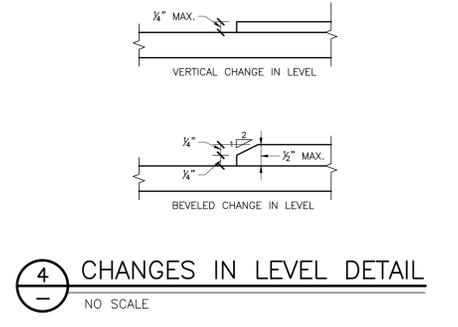
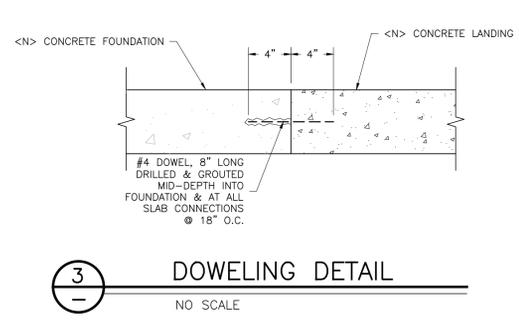
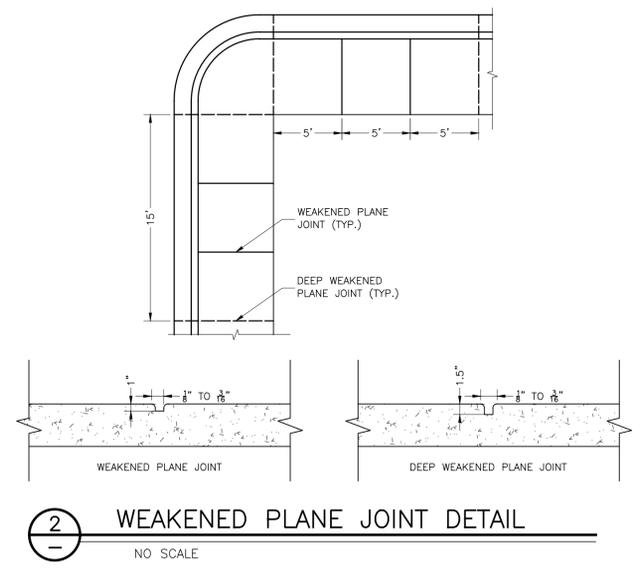
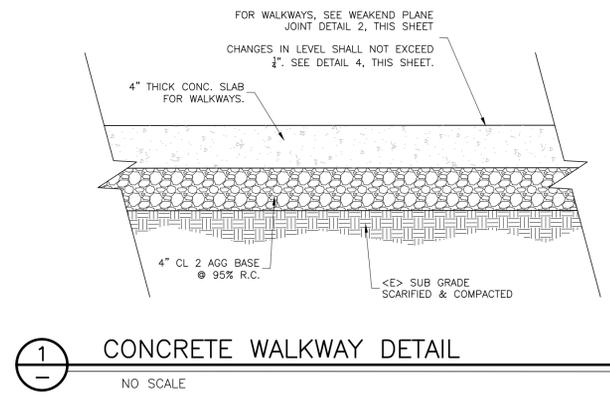
**WHITCHURCH ENGINEERING, INC.**  
610 8th Street Fortuna, California 95540  
Phone (707) 725-6826

**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
133 V STREET, EUREKA, CALIFORNIA 95501  
**SITE PLAN**  
FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501  
2/17/2025

Date	OCT. 24, 2025
Scale	AS NOTED
Design	LWC
Drawn	LWC
Job	HTA-2502.1
Sheet	A2



- SITE PLAN NOTES**
- EXISTING CONDITIONS ARE BASED ON SURVEY'S PERFORMED BY POINTS WEST IN MARCH 2024. CONTRACTOR TO CONFIRM ALL EXISTING CONDITIONS PRIOR TO CONSTRUCTION.
  - PROPERTY LINES ARE ASSUMED.
  - UTILITIES OR OTHER SUBSURFACE FEATURES ARE NOT SHOWN. LOCATIONS SHOULD BE VERIFIED PRIOR TO CONSTRUCTION.



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1 INCH

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Δ 2/18/26	FMT

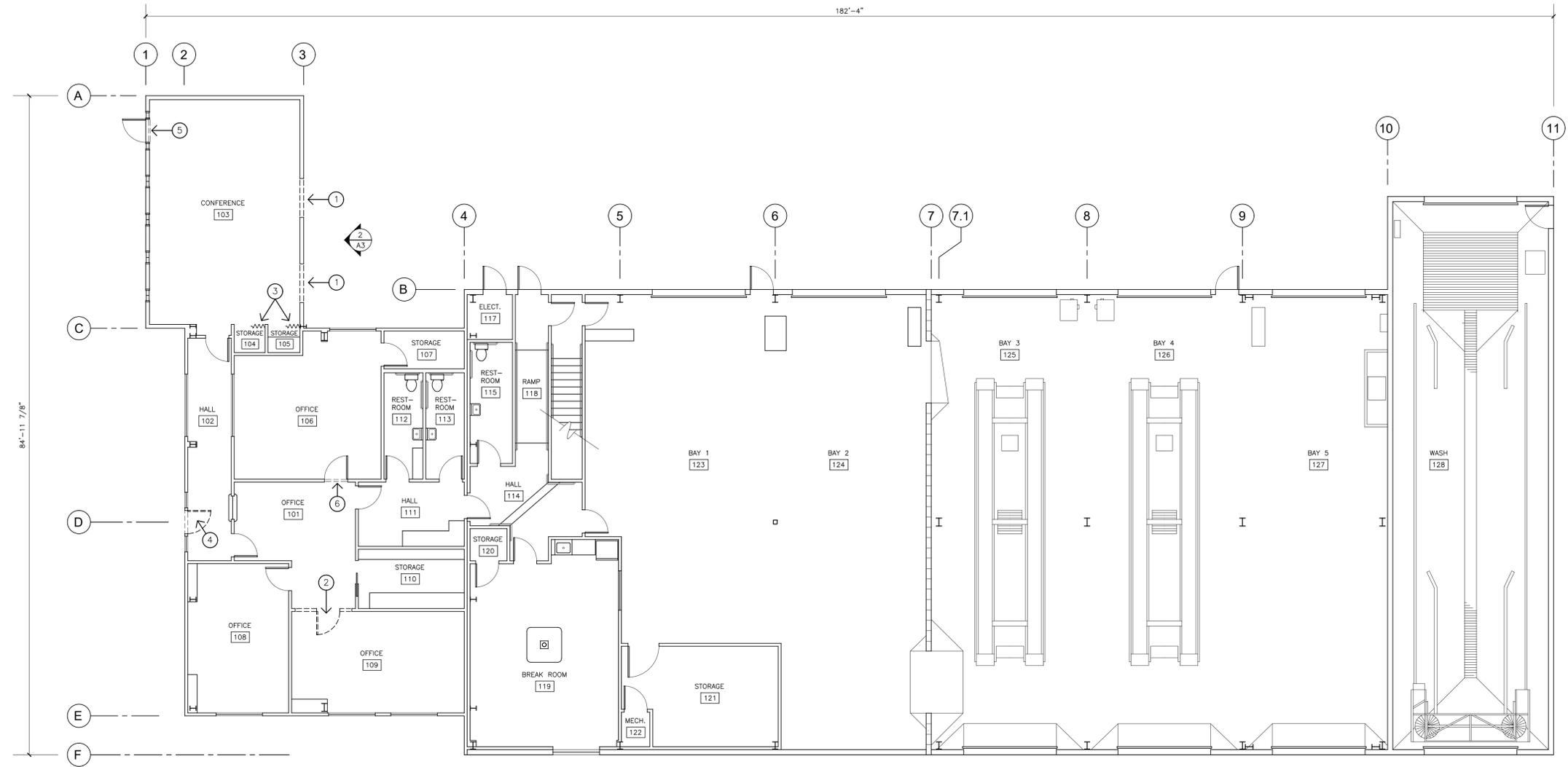


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**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V STREET, EUREKA, CALIFORNIA 95501  
**EXISTING/DEMO FLOOR PLAN AND ELEVATION**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

Date OCT. 24, 2025  
 Scale AS NOTED  
 Design LWC  
 Drawn LWC  
 Job HTA-2502.1  
 Sheet

**A3**



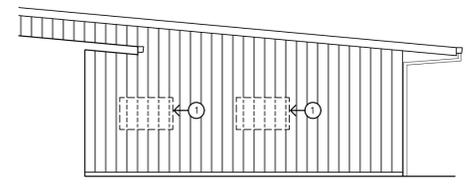
1 EXISTING/DEMO FLOOR PLAN  
 1/8" = 1'-0"



— EXISTING WALL  
 - - - - - TO BE REMOVED

**DEMOLITION NOTES**

- 1 REMOVE PORTION OF EXISTING EXTERIOR STUD WALL, AS REQUIRED FOR INSTALLATION OF NEW WINDOW.
- 2 REMOVE EXISTING DOOR AND FRAME FROM OPENING, AND REMOVE PORTION OF INTERIOR STUD WALL, AS REQUIRED FOR INSTALLATION OF NEW DOORS.
- 3 REMOVE EXISTING ACCORDIAN DOORS AND DOOR TRACKS.
- 4 REMOVE EXISTING ENTRY DOOR, FRAME, AND THRESHOLD.
- 5 REMOVE DAMAGED EXISTING FLOORING TRANSITION STRIP ADJACENT TO EXISTING

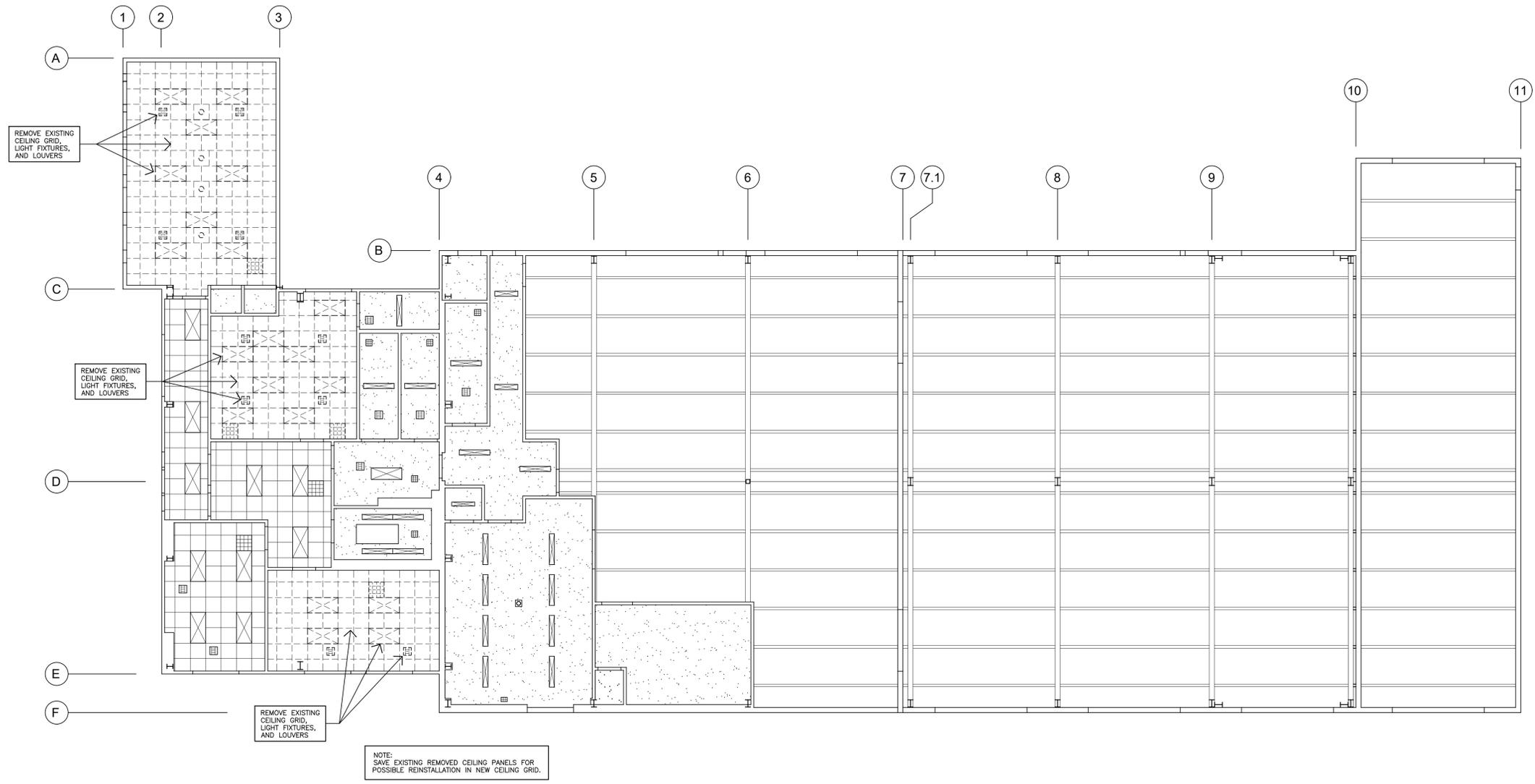


2 EXISTING/DEMO EXTERIOR ELEVATION  
 1/8" = 1'-0"

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1  
-  
EXISTING/DEMO REFLECTED CEILING PLAN  
1/8" = 1'-0"  
NORTH

REVISIONS	BY
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Δ 2/18/26	FMT



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**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
133 V STREET, EUREKA, CALIFORNIA 95501  
**EXISTING/DEMO REFLECTED CEILING PLAN**  
FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

Date	OCT. 24, 2025
Scale	AS NOTED
Design	LWC
Drawn	LWC
Job	HTA-2502.1
Sheet	A4

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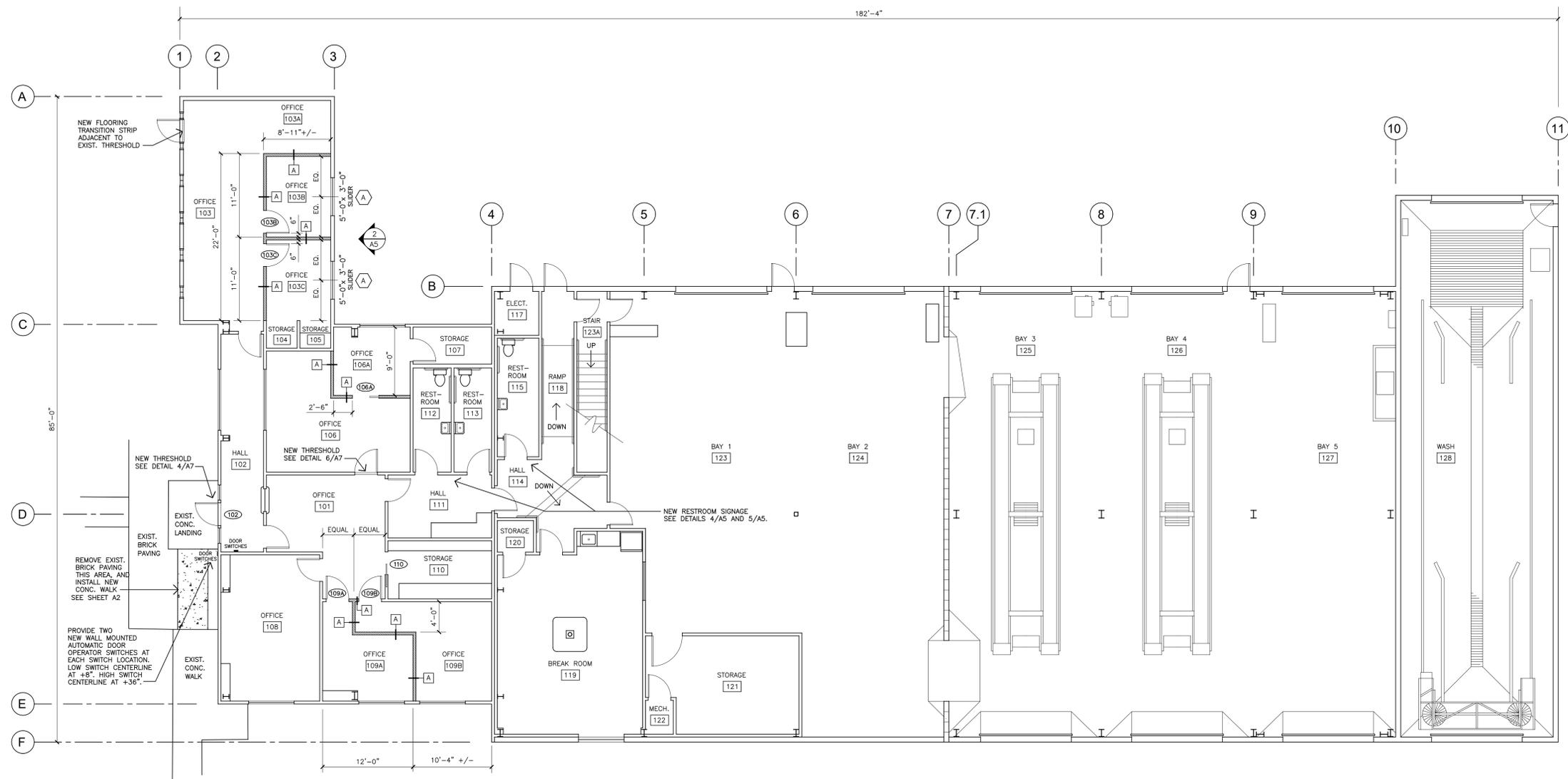


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**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V STREET, EUREKA, CALIFORNIA 95501  
**FLOOR PLAN AND EXTERIOR ELEVATION**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

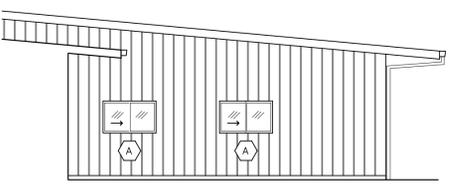
Date OCT. 24, 2025  
 Scale AS NOTED  
 Design LWC  
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 Job HTA-2502.1  
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**A5**

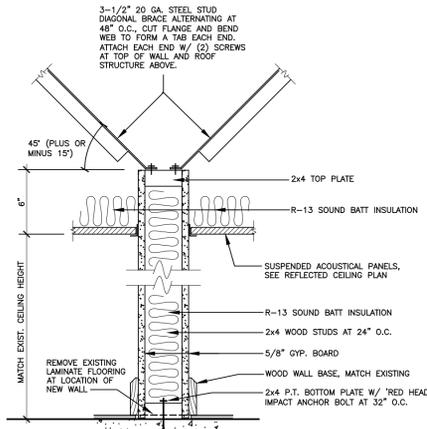


**1 FLOOR PLAN**  
 1/8" = 1'-0"

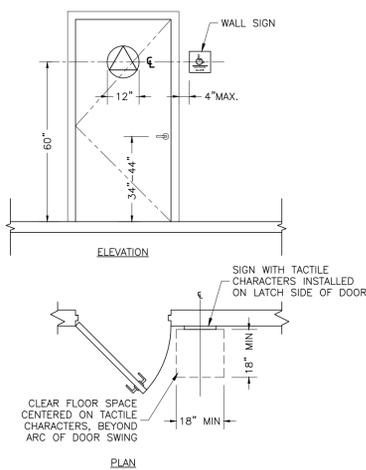
**THRESHOLDS**  
 PROVIDE NEW ACCESSIBLE THRESHOLDS AT LOCATIONS NOTED ON FLOOR PLANS. SEE THRESHOLD DETAILS 4/A7 AND 5/A7.



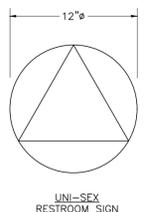
**2 EXTERIOR ELEVATION**  
 1/8" = 1'-0"



**3 INTERIOR WALL TYPES**  
 1-1/2" = 1'-0"



**4 RESTROOM SIGNAGE DETAILS**  
 SCALE: 3/8" = 1'-0"



**5 RESTROOM DOOR SIGN**  
 NOT TO SCALE

**RESTROOM SIGNAGE**

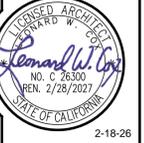
- RESTROOM SIGNAGE SHALL MEET CURRENT STATE OF CALIFORNIA LAWS RELATING TO GENDER NEUTRAL RESTROOMS. SIGNS SHALL NOT INCLUDE ANY WRITTEN OR PICTORIAL REFERENCE TO MALE OR FEMALE GENDER. DOOR SIGNS MUST BE 1/4" THICK AND MUST BE OF A COLOR AND CONTRAST DIFFERENT THAN THE DOOR. DOOR SIGNS SHALL BE CENTERED ON DOORS AT A HEIGHT OF 60" ABOVE FLOOR MEASURED FROM THE CENTERLINE OF THE SIGN.
- A SIGN, THE INTERNATIONAL SYMBOL OF ACCESSIBILITY, SHALL BE INSTALLED ON THE WALL ADJACENT TO THE LATCH SIDE OF THE DOOR, CENTERED 60" (MAX.) ABOVE FLOOR. THE BORDER DIMENSION OF THIS PICTOGRAM SHALL BE A MIN. 6" IN HEIGHT. LETTERS AND NUMERALS ARE RAISED 1/32", SANS-SERIF UPPERCASE CHARACTERS, ACCOMPANIED BY GRADE 2 BRAILLE. CHARACTERS ARE 5/8" MIN. AND 2" MAX. HIGH.
- THE CHARACTERS AND BACKGROUND OF SIGN ARE EGGSHELL, MATTE OR OTHER NON-GLARE FINISH, AND THE COLOR AND CHARACTERS OF THE SIGN DISTINCTIVELY CONTRASTS WITH THE COLOR OF THE DOOR.

THESE PLANS ARE ORIGINALLY PRINTED ON 24"x36" PAPER.



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Δ 2/18/26	FMT

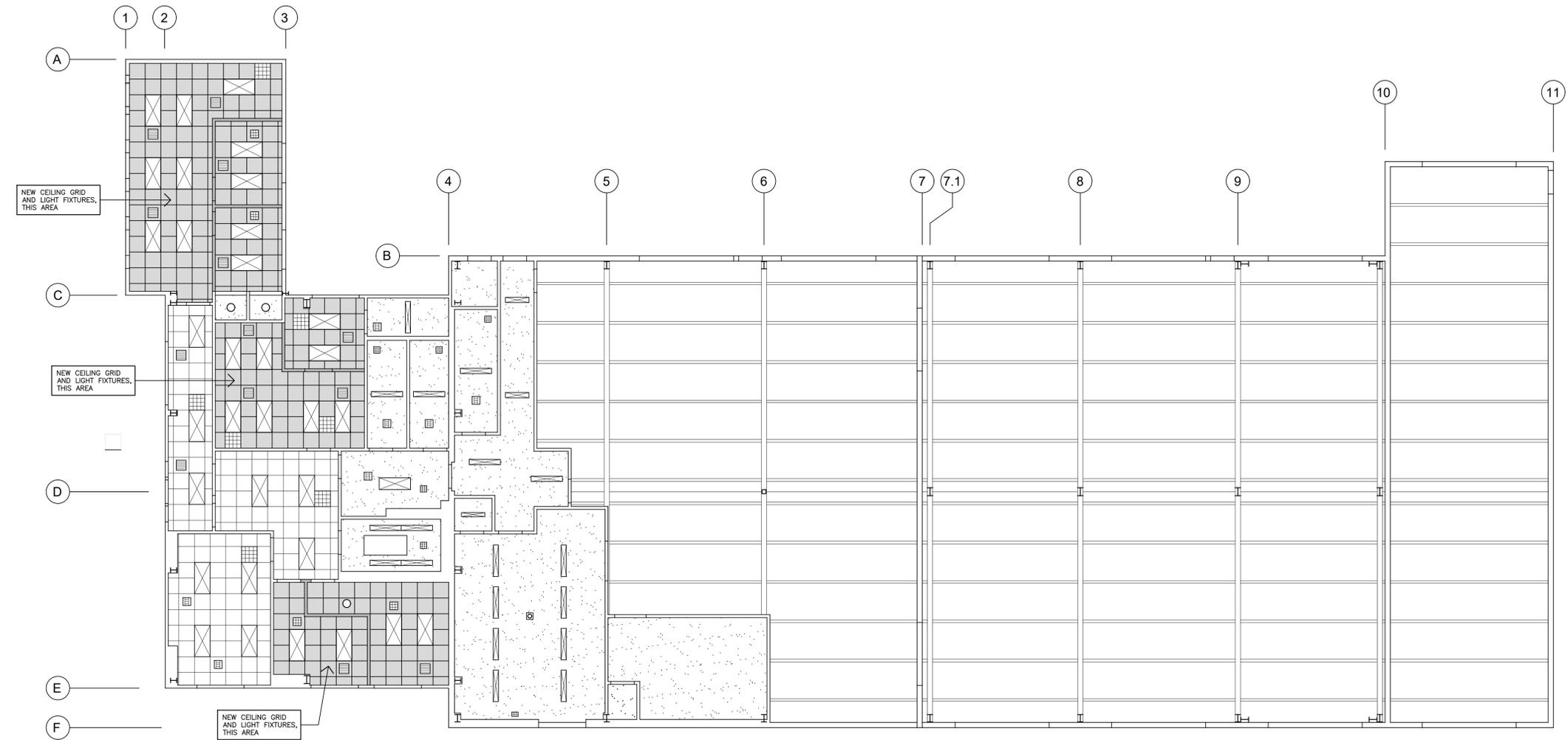


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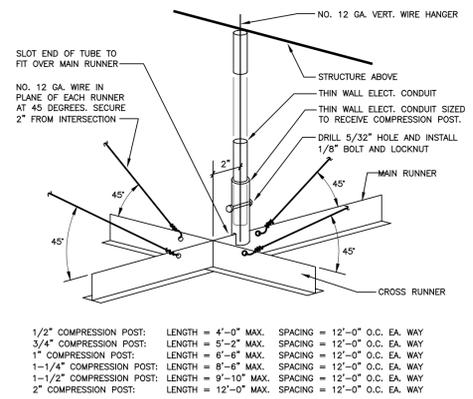
**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
133 V STREET, EUREKA, CALIFORNIA 95501  
**REFLECTED CEILING PLAN**  
FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

Date OCT. 24, 2025  
Scale AS NOTED  
Design LWC  
Drawn LWC  
Job HTA-2502.1  
Sheet

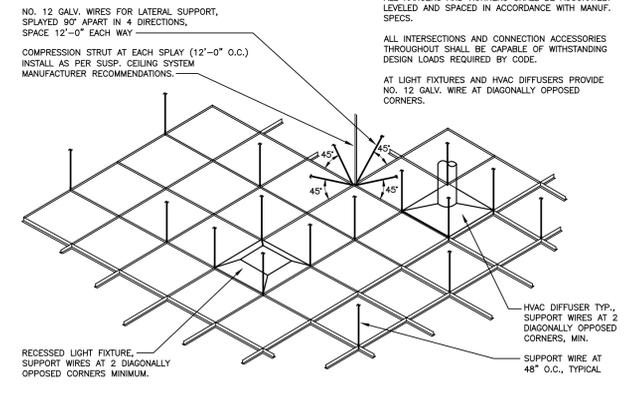
**A6**



**1 REFLECTED CEILING PLAN**  
1/8" = 1'-0"



**2 T-BAR COMPRESSION POST**  
NOT TO SCALE



**3 SUSPENDED CEILING DETAILS**  
NOT TO SCALE

**CEILING NOTES:**  
ALL HANGER WIRES SHALL BE NO. 12 GALV. WIRE OR CODE APPROVED EQUAL.  
ALL HANGERS AND RUNNERS SHALL BE ACCURATELY LEVELED AND SPACED IN ACCORDANCE WITH MANUF. SPECS.  
ALL INTERSECTIONS AND CONNECTION ACCESSORIES THROUGHOUT SHALL BE CAPABLE OF WITHSTANDING DESIGN LOADS REQUIRED BY CODE.  
AT LIGHT FIXTURES AND HVAC DIFFUSERS PROVIDE NO. 12 GALV. WIRE AT DIAGONALLY OPPOSED CORNERS.

- SEISMIC CEILING INSTALLATION NOTES FOR SEISMIC CATEGORIES D, E, & F**
1. TO BE INSTALLED TO ASTM C636 AND ASTM E580.
  2. FOLLOW ALL MANUFACTURER INSTRUCTIONS FOR SEISMIC CEILING INSTALLATION.
  3. PROVIDE 2" MINIMUM WALL MOLDING.
  4. SUSPENSION SYSTEM MUST BE ATTACHED TO 2 ADJACENT WALLS - OPPOSITE WALLS MUST HAVE 1/2" CLEARANCE.
  5. ENDS OF MAIN BEAMS AND CROSS TEES MUST BE TIED TOGETHER TO PREVENT THEIR SPREADING.
  6. USE HEAVY-DUTY SUSPENSION SYSTEM.
  7. CEILING AREAS OVER 1,000 S.F. MUST HAVE HORIZONTAL RESTRAINT WIRE OR RIGID BRACING.
  8. CEILINGS WITHOUT RIGID BRACING MUST HAVE 2" OVERSIZED TRIM RINGS FOR SPRINKLERS AND OTHER PENETRATIONS.
  9. CHANGES IN CEILING PLANE MUST HAVE POSITIVE BRACING.
  10. CABLE TRAYS AND ELECTRICAL CONDUITS MUST BE INDEPENDENTLY SUPPORTED AND BRACED.
  11. SUSPENDED CEILINGS WILL BE SUBJECT TO SPECIAL INSPECTIONS.
  12. PERIMETER SUPPORT WIRES WITHIN 8" OF WALL.

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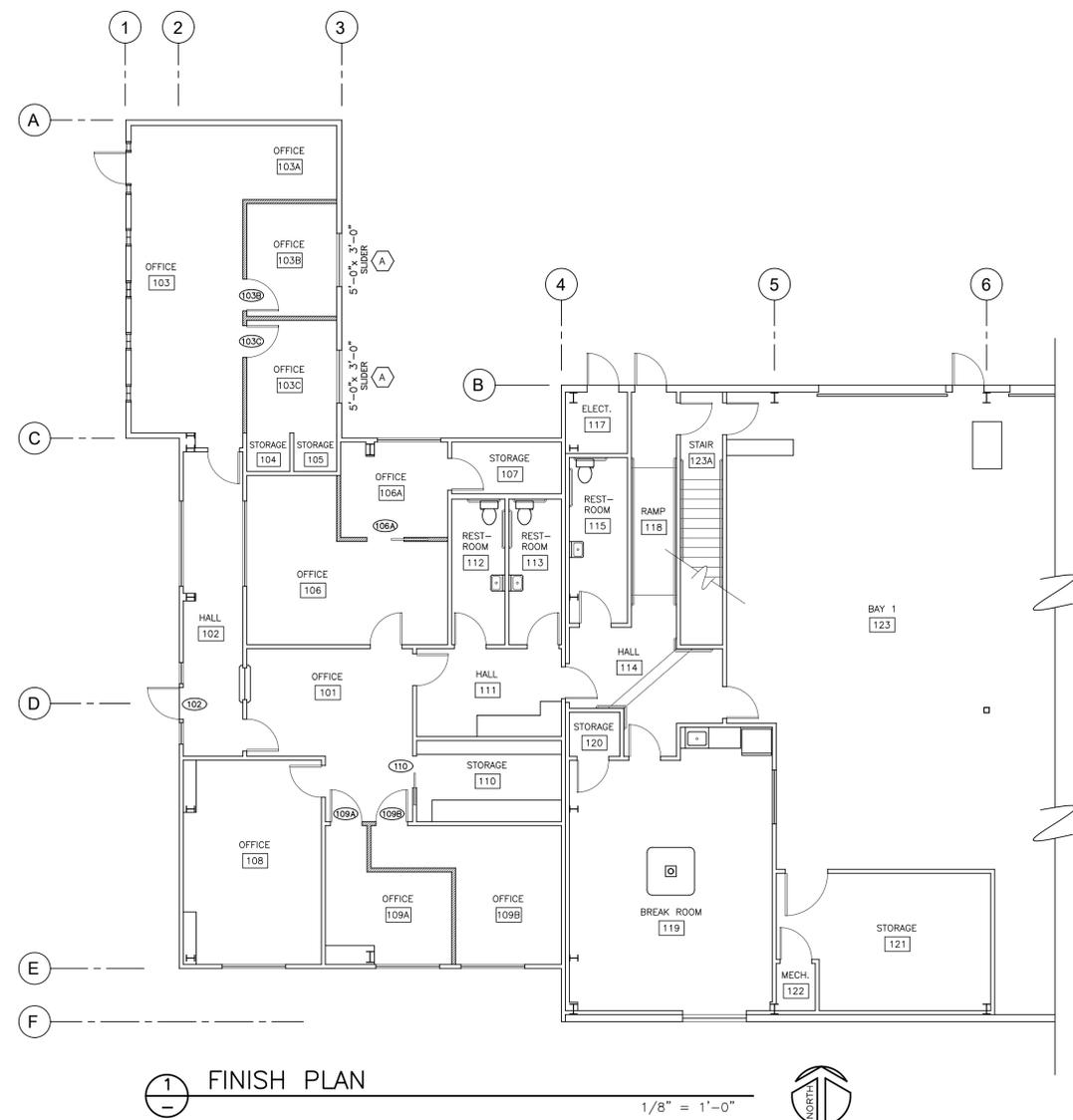


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HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL  
133 V STREET, EUREKA, CALIFORNIA 95501  
DOOR, WINDOW, AND FINISH SCHEDULES  
FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

Date OCT. 24, 2025  
Scale AS NOTED  
Design LWC  
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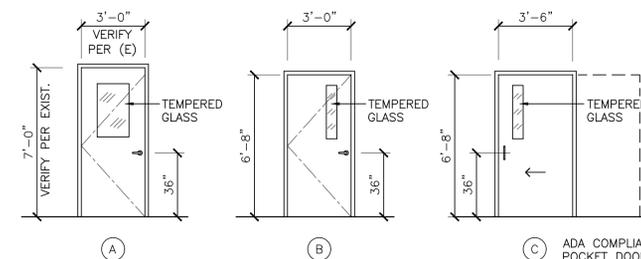
1 FINISH PLAN

1/8" = 1'-0"

DOOR NOTES

- LATCHING AND LOCKING DOORS ON ACCESSIBLE ROUTES OF TRAVEL THAT ARE HAND ACTIVATED SHALL BE OPERABLE WITH A SINGLE EFFORT BY LEVER TYPE HARDWARE, PANIC BARS, PUSH-PULL BARS, OR OTHER HARDWARE DESIGNED TO ALLOW PASSAGE WITHOUT REQUIRING THE ABILITY TO GRASP THE OPENING HARDWARE.
- THE MAXIMUM EFFORT REQUIRED TO OPERATE DOORS SHALL NOT EXCEED 5 LBS FOR EXTERIOR DOORS AND 5 LBS FOR INTERIOR DOORS.
- THE FLOOR OR LANDING ON EITHER SIDE OF DOORWAYS SHALL NOT BE MORE THAN 1/2" LOWER THAN THE THRESHOLD OF THE DOORWAY.
- CHANGES IN LEVEL BETWEEN 1/4" AND 1/2" SHALL BE BEVELED WITH A SLOPE NO GREATER THAN 1 UNIT VERTICAL TO 2 UNITS HORIZONTAL.
- EXIT DOORWAYS SHALL BE CAPABLE OF OPENING AT LEAST 90 DEGREES AND SHALL BE MOUNTED SO THAT THE CLEAR WIDTH OF THE EXITWAY IS NOT LESS THAN 32" MEASURED FROM THE FACE OF THE DOOR AND THE OPPOSITE STOP.
- A READILY VISIBLE, DURABLE SIGN STATING "THIS DOOR TO REMAIN UNLOCKED WHEN THIS SPACE IS OCCUPIED" SHALL BE POSTED ADJACENT TO MAIN EXIT DOORS IN COMPLIANCE WITH SECTION 1010.1.9.3 EXCEPTION 2.2 OF THE 2022 CBC.
- DOORS SERVING ROOMS OR SPACES WITH AN OCCUPANT LOAD OF 50 OR MORE SHALL HAVE PANIC HARDWARE OR FIRE EXIT HARDWARE PER CBC 1010.1.10.
- SWINGING DOOR AND GATE SURFACES WITHIN 10 INCHES OF THE GROUND MEASURED VERTICALLY SHALL HAVE A SMOOTH SURFACE ON THE PUSH SIDE EXTENDING THE FULL WIDTH OF THE DOOR. CBC 11B-404.2.10.
- DOORS WITH AUTOMATIC CLOSER TO BE ADJUSTED SO THAT OPENING EFFORT WILL NOT EXCEED 5 LBS. CBC 11B-404.2.9.
- OPERABLE PARTS OF DOOR AND GATE HARDWARE SHALL BE 34" MIN. AND 44" MAX. ABOVE THE FINISHED FLOOR OR GROUND.
- PROVIDE SINGLE MOTION DOOR HARDWARE ON DOORS OPENING TO EXTERIOR. 2022 CBC 1010.1.9.1.
- ELECTRONIC DOOR LOCKSETS ARE TO BE INSTALLED BY OTHERS POST-CONSTRUCTION AND ARE OUT OF THE SCOPE OF THIS PROJECT FOR BIDDING PURPOSES.

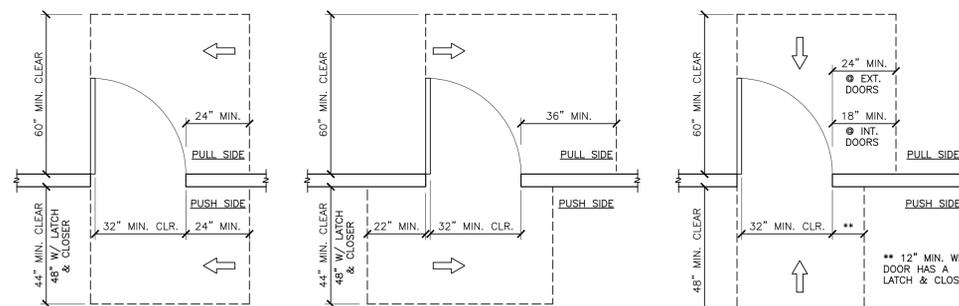
DOOR SCHEDULE						
MARK	TYPE	DOOR SIZE	MATERIAL	HARDWARE	FRAME MATERIAL	REMARKS
103B	B	3'0"x6'8"x1-3/4"	S. CORE WOOD	GROUP 2	STEEL KD	
103C	B	3'0"x6'8"x1-3/4"	S. CORE WOOD	GROUP 2	STEEL KD	
106A	C	3'6"x6'8"x1-3/4"	S. CORE WOOD	PER MANUF.	PER MANUF.	ADA COMPLIANT POCKET DOOR
109A	B	3'0"x6'8"x1-3/4"	S. CORE WOOD	GROUP 2	STEEL KD	
109B	B	3'0"x6'8"x1-3/4"	S. CORE WOOD	GROUP 2	STEEL KD	
110	EXIST.	3'0"x6'8"x1-3/4"	WOOD	GROUP 3	EXIST.	EXIST. POCKET DOOR W/ NEW ADA COMPLIANT DOOR PULLS EACH SIDE.



2 DOOR TYPES  
1/4" = 1'-0"

HARDWARE GROUPS

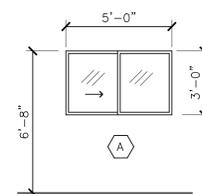
- GROUP 1 ENTRY**
- 1 ELECTRIC LOCKSET W/ ADA LEVERS (BY OTHERS). SEE NOTE 12.
  - 1-1/2 SETS OF BUTT HINGES
  - 1 SET WEATHERSTRIPPING
  - 1 ACCESSIBLE THRESHOLD, SEE 4/A7
  - 1 LOW ENERGY AUTOMATIC OPERATOR NORTON RIXON 6200, OR EQUAL.
  - 4 AUTOMATIC DOOR OPENER SWITCHES NORTON RIXON 531, OR EQUAL.
- GROUP 2 OFFICE**
- 1 ELECTRONIC LOCKSET W/ ADA LEVERS (BY OTHERS). SEE NOTE 12.
  - 1-1/2 SETS OF BUTT HINGES
  - 1 SILENCER
  - 1 FLOOR STOP
- GROUP 3 STORAGE POCKET DOOR**
- 2 ADA COMPLIANT DOOR PULLS



3 TYPICAL DOOR CLEARANCES  
SCALE: 3/8" = 1'-0"

FINISH NOTES

- USE 5/8" GYPSUM WALL BOARD THROUGHOUT, UNLESS OTHERWISE NOTED.
- NEW WALLS SHALL BE FINISHED TO A LEVEL 4 FINISH AS SPECIFIED IN THE MOST CURRENT EDITION OF GYPSUM ASSOCIATION PUBLICATION GA-214. THE NEW TEXTURE FINISH SHALL MATCH THE TEXTURE FINISH OF ADJACENT EXISTING WALLS.
- WALL AND CEILING MATERIALS AND FINISHES SHALL NOT EXCEED THE MAXIMUM FLAME SPREAD AND SMOKE DEVELOPED INDEXES, AS SPECIFIED IN CBC SECTIONS 803.1.1 AND 803.11, AND CBC TABLE 803.11.



5 WINDOW TYPES  
1/4" = 1'-0"

TYPICAL ABBREVIATIONS

- CG - CEILING GRID
- CP - CEILING PANEL
- ECG - EXISTING CEILING GRID
- ECP - EXISTING CEILING PANEL
- GB - GYPSUM BOARD
- P - PAINT
- PF - PRE-FINISHED
- WB - WALL BASE
- WL - WOOD LAMINATE
- WW - WOOD WAINSCOTE

WINDOW SCHEDULE						
MARK	WINDOW SIZE		TYPE	MATERIAL	GLAZING	REMARKS
	WIDTH	HEIGHT				
A	5'-0"	3'-0"	SLIDER	ALUMINUM	DBL.-PANE LOW-E	

THESE PLANS ARE ORIGINALLY PRINTED ON 24"x36" PAPER.



ROOM FINISH SCHEDULE														
ROOM #	LOCATION	FLOOR	BASE	CEILING		NORTH WALL		EAST WALL		SOUTH WALL		WEST WALL		NOTES
				MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	MATERIAL	FINISH	
101	OFFICE	(E) WL	WB-1 (E) WB	ECG / ECP	PF	(E) GB	P-1	(E) GB	P-1	GB-1(E) GB	P-1	(E) GB	P-1	
103	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	(E) GB(E) WW	EXIST.	GB-1	P-1	(E) GB(E) WW	EXIST.	(E) GB	P-1	
103A	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	(E) GB(E) WW	EXIST.	GB-1	P-1	(E) GB(E) WW	EXIST.	(E) GB	P-1	
103B	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	GB-1	P-1	(E) GB(E) WW	EXIST.	GB-1	P-1	GB-1	P-1	
103C	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	GB-1	P-1	(E) GB(E) WW	EXIST.	GB-1(E) GB	P-1	GB-1	P-1	
106	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	GB-1(E) GB	P-1	GB-1(E) GB	P-1	(E) GB	P-1	(E) GB	P-1	
106A	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	(E) GB	P-1	(E) GB	P-1	GB-1	P-1	GB-1(E) GB	P-1	
109A	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	GB-1(E) GB	P-1	GB-1	P-1	(E) GB	P-1	(E) GB	P-1	
109B	OFFICE	(E) WL	WB-1 (E) WB	CG-1 / CP-1	PF	GB-1(E) GB	P-1	(E) GB	P-1	(E) GB	P-1	GB-1	P-1	

MATERIAL LEGEND				
MATERIAL	MATERIAL DESCRIPTION	MANUFACTURER	PRODUCT / COLOR / STYLE	COMMENTS
<b>FLOORING</b>				
(E) WL	EXIST. WOOD LAMINATE			
<b>WALL BASE</b>				
WB-1	WOOD WALL BASE - PAINTED		MATCH EXISTING WOOD WALL BASE	
<b>GYPSUM BOARD</b>				
GB-1	GYPSUM BOARD		5/8" GYPSUM BOARD	
<b>PAINT</b>				
P-1	PAINT - GENERAL AND CEILING	SHER. WILLIAMS OR EQ.	OFF-WHITE. MATCH EXISTING COLOR AND FINISH IN ADJACENT SPACES.	
<b>CEILING</b>				
CG-1	CEILING GRID	ARMSTRONG	24"x24" GRID - PRELUDE ML 1516" EXPOSED TEE SYSTEM, COLOR WHITE	
ECG	EXISTING CEILING GRID		EXISTING 24"x24" GRID	
CP-1	CEILING PANEL	ARMSTRONG	CORTEGA 1516" BEV. TEGULAR, MED. TEXT., 2424x58", WHITE	
ECP	EXISTING CEILING PANEL		EXISTING 24"x24" PANEL, WHITE	

REVISIONS	BY
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2/18/26	FMT



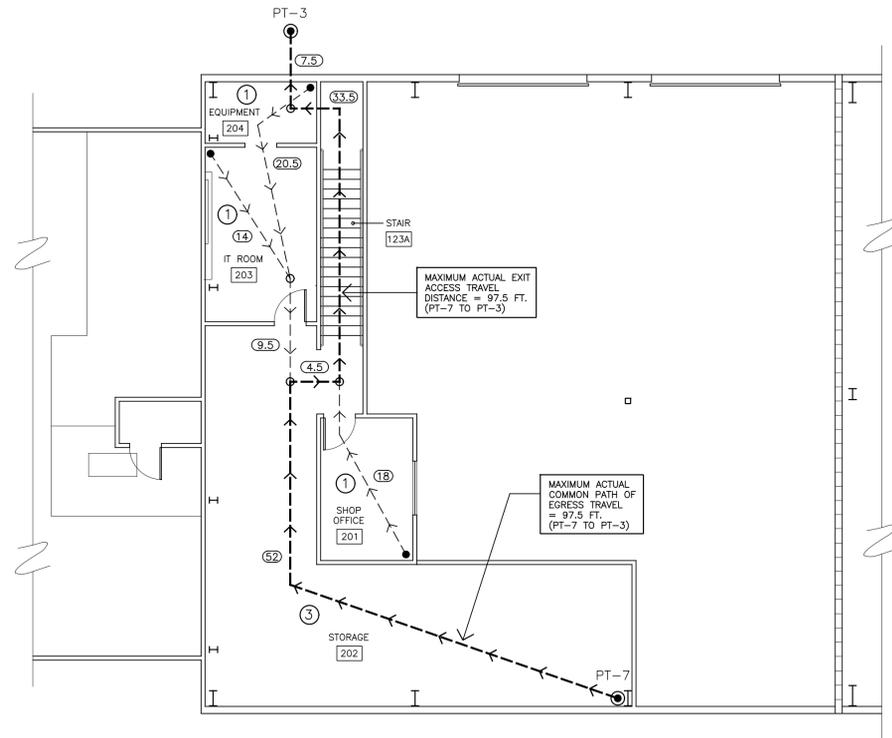
WHITCHURCH ENGINEERING, INC.  
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**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V STREET, EUREKA, CALIFORNIA 95501  
**EXITING PLANS - FIRST FLOOR AND MEZZANINE**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

Date OCT. 24, 2025  
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- LEGEND**
- PT-# ● - NUMBERED POINT ALONG THE EXIT ACCESS PORTION OF THE MEANS OF EGRESS SYSTEM
  - → → - EXIT ACCESS MEANS OF EGRESS PATH/ (ARROWS SHOW DIRECTION OF TRAVEL)
  - XX - DISTANCE BETWEEN INTERSECTION POINTS ALONG EXIT ROUTE, IN FEET
  - ⊗ - OCCUPANT LOAD OF ROOM OR AREA



**MEANS OF EGRESS ANALYSIS (2022 CBC CHAPTER 10) B AND S-1 OCCUPANCIES (NON-SPRINKLERED):**

- MAXIMUM ALLOWED COMMON PATH OF EGRESS TRAVEL\* DISTANCE REQUIREMENT: 100 FEET PER CBC TABLE 1006.2.1
- ACTUAL MAXIMUM COMMON PATH OF EGRESS TRAVEL DISTANCE: 97.5 FEET (FROM PT-7 IN STORAGE 202 TO PT-3 AT EXIT FROM RAMP 118).
- MAXIMUM ALLOWED EXIT ACCESS TRAVEL DISTANCE\*\*: 200 FEET. (CBC TABLE 1017.2).
- ACTUAL MAXIMUM EXIT ACCESS TRAVEL DISTANCE: 97.5 FEET (FROM PT-7 IN STORAGE 202 TO PT-3 AT EXIT FROM RAMP 118).

\* COMMON PATH OF EGRESS TRAVEL (CPET) IS THAT PORTION OF EXIT ACCESS WHICH OCCUPANTS ARE REQUIRED TO TRANSVERSE BEFORE TWO SEPARATE AND DISTINCT PATHS OF EGRESS TRAVEL TO TWO EXITS ARE AVAILABLE.

\*\* EXIT ACCESS TRAVEL DISTANCE IS MEASURED FROM THE MOST REMOTE POINT WITHIN A STORY ALONG THE NATURAL AND UNOBSTRUCTED PATH OF HORIZONTAL AND VERTICAL EGRESS TRAVEL TO THE ENTRANCE TO AN EXIT.

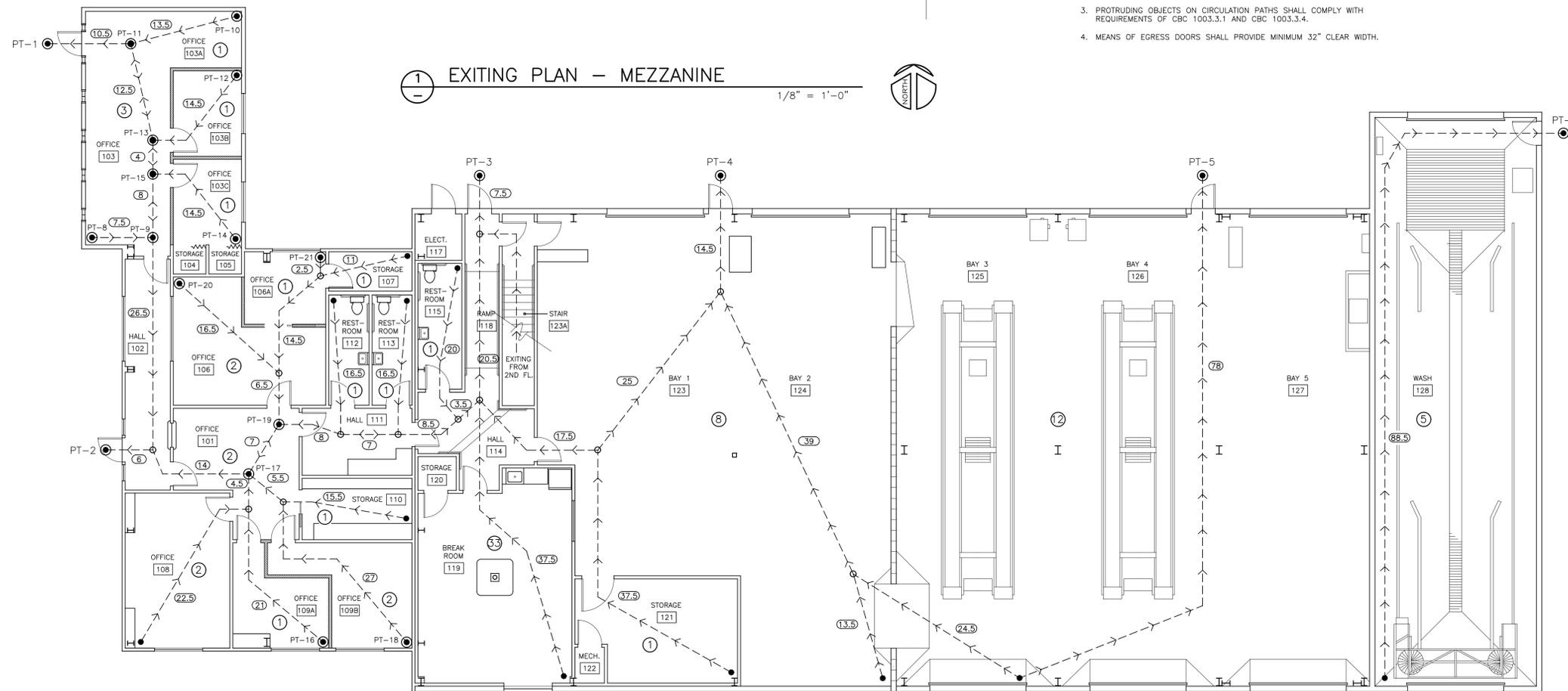
**EXITING DISTANCES FROM AREAS OF WORK**

ROOM	COMMON PATH OF EGRESS TRAVEL	EXIT ACCESS TRAVEL DISTANCE
103	7.5' (PT-8 TO PT-9)	40' (PT-8 TO PT-2)
103A	13.5' (PT-10 TO PT-11)	24' (PT-10 TO PT-1)
103B	14.5' (PT-12 TO PT-13)	37.5' (PT-12 TO PT-1)
103C	14.5' (PT-14 TO PT-15)	41.5' (PT-14 TO PT-1)
106	23' (PT-20 TO PT-19)	50' (PT-20 TO PT-2)
106A	23.5' (PT-21 TO PT-19)	50.5' (PT-21 TO PT-2)
109A	25.5' (PT-16 TO PT-17)	45.5' (PT-16 TO PT-2)
109B	32.5' (PT-18 TO PT-17)	52.5' (PT-18 TO PT-2)

**NOTES:**

1. NUMBER OF EXITS, MINIMUM WIDTH, OR REQUIRED CAPACITY OF EGRESS MEANS SHALL NOT BE REDUCED BELOW REQUIRED CAPACITY OF CHAPTER 10 CBC.
2. MEANS OF EGRESS SHALL HAVE CEILING HEIGHT NOT LESS THAN 7'-6".
3. PROTRUDING OBJECTS ON CIRCULATION PATHS SHALL COMPLY WITH REQUIREMENTS OF CBC 1003.3.1 AND CBC 1003.3.4.
4. MEANS OF EGRESS DOORS SHALL PROVIDE MINIMUM 32" CLEAR WIDTH.

**1 EXITING PLAN - MEZZANINE**  
 1/8" = 1'-0"



**2 EXITING PLAN - FIRST FLOOR**  
 1/8" = 1'-0"

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**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V STREET, EUREKA, CALIFORNIA 95501  
**EXISTING MECHANICAL PLAN**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501  
7/17/2024

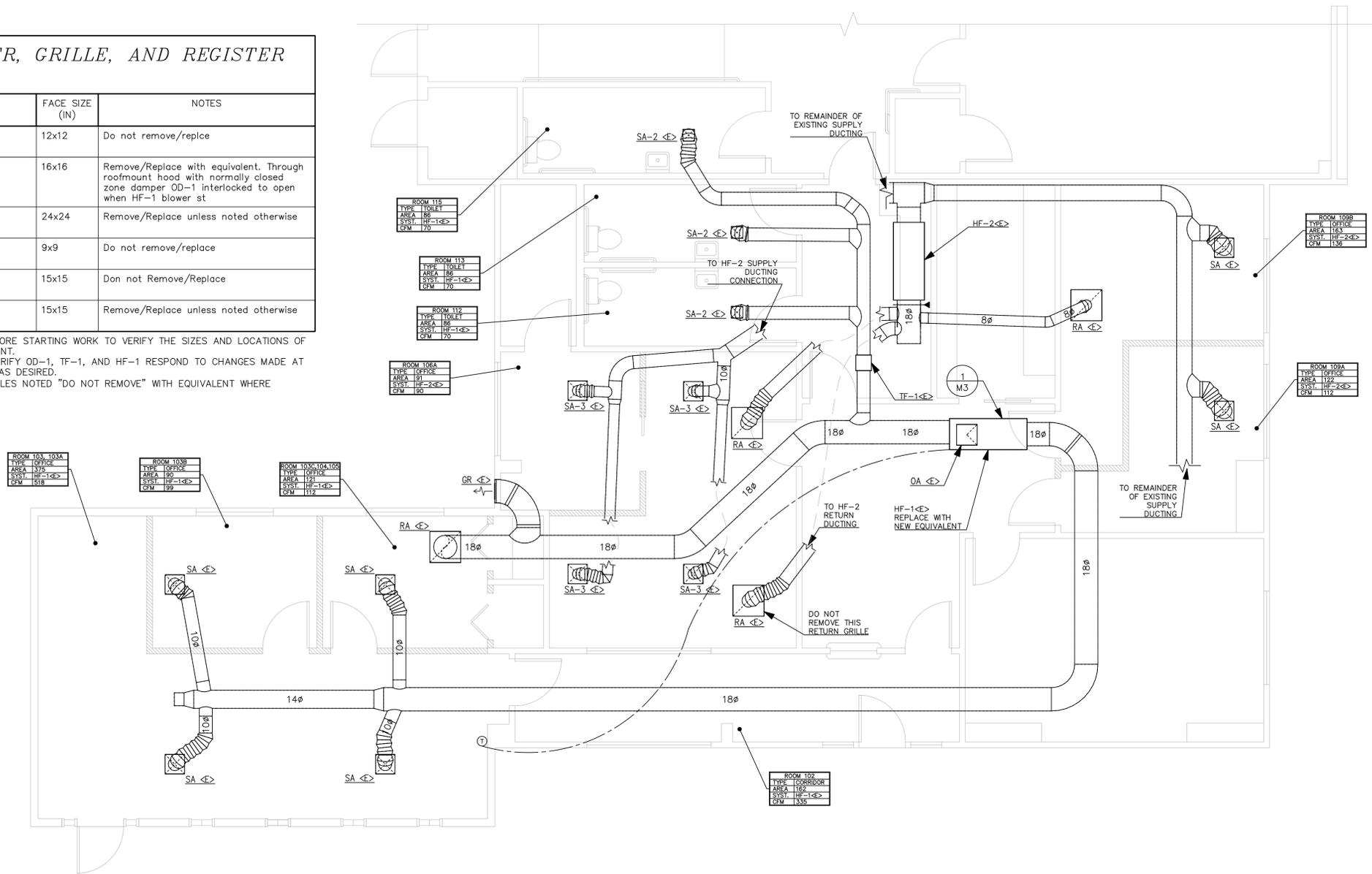
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**M1**

**EXISTING DIFFUSER, GRILLE, AND REGISTER SCHEDULE**

CALLOUT	DESCRIPTION	FACE SIZE (IN)	NOTES
GR <E>	Existing Gravity Relief with Backdraft Damper	12x12	Do not remove/replace
OA <E>	Existing Outside Air Louver	16x16	Remove/Replace with equivalent. Through roofmount hood with normally closed zone damper OD-1 interlocked to open when HF-1 blower st
RA <E>	Existing Return Air Grille	24x24	Remove/Replace unless noted otherwise
SA-2 <E>	Existing Bathroom Supply Air Diffuser	9x9	Do not remove/replace
SA-3 <E>	Existing Supply Air Diffuser	15x15	Do not Remove/Replace
SA <E>	Existing Supply Air Diffuser	15x15	Remove/Replace unless noted otherwise

1. INSPECT THE ENTIRE DUCT SYSTEM BEFORE STARTING WORK TO VERIFY THE SIZES AND LOCATIONS OF EXISTING DUCTS, DIFFUSERS, AND EQUIPMENT.
2. TEST INTERLOCKING MECHANISMS TO VERIFY OD-1, TF-1, AND HF-1 RESPOND TO CHANGES MADE AT THE SYSTEM CONTROLLER AND FUNCTION AS DESIRED.
3. REPLACE EXISTING DIFFUSERS AND GRILLES NOTED "DO NOT REMOVE" WITH EQUIVALENT WHERE NECESSARY.



**EXISTING MECHANICAL PLAN**  
 SCALE: 1/4" = 1'



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 ERIC THEODORE  
 No. 41001  
 State of California  
 2-18-26

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**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V. STREET, EUREKA, CALIFORNIA 95501  
**NEW MECHANICAL PLAN**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V. STREET, EUREKA, CALIFORNIA 95501  
 7/17/2024

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### MECHANICAL EQUIPMENT SCHEDULE

CALLOUT	DESCRIPTION	VOLTS	CIRCUIT	CFM RANGE	NOTE 1	NOTE 2	NOTE 3	LOCATION	MCA	MOCP
DOOR MOTOR		120V 1P 2W	A-18						15	20
HF-1-2<E>	Existing Lennox Gas Furnace (80UHG3)	120V 1P 2W			Remove and replace with new equivalent					
HF-1<N>	LENNOX ML296 110kBTU 2-StageVariable Speed	120V 1P 2W	A-14	790-1955	Furnish a model equivalent in size to existing model	Install per manufacturer instructions, and 2022 CPC, CMC	Cooling coil not required	Attic	15	20
HF-2<N>	LENNOX ML296 110kBTU 2-StageVariable Speed	120V 1P 2W	A-12	790-1955	Furnish a model equivalent in size to existing model	Install per manufacturer instructions, and 2022 CPC, CMC	Cooling coil not required	Attic	15	20
TF-1<E>	Existig Greenheck Transfer Fan	120V 1P 2W	A-14	248	Test fan prior to commencing work	Replace fan with equivalent if existing fan is not functional		Attic	0.71	20

### NEW DIFFUSER, GRILLE, AND REGISTER SCHEDULE

CALLOUT	DESCRIPTION	AIRFLOW RANGE (CFM)	FACE SIZE (IN)	NOTE 1	NOTE 2	QUANTITY
RA-1<N>	New Return Air Grill	90 - 300	24x24	COORDINATE FACESIZE AND FINISH TO MATCH EXISTING/REUSED EQUIPMENT	PRIORITIZE LOCATION OF LIGHT FIXTURES PER PLANS AND COORDINATE LOCATION OF DIFFUSER ACCORDINGLY	2
RA-2<N>	New Return Grill	40 - 110	24x24	COORDINATE FACESIZE AND FINISH TO MATCH EXISTING/REUSED EQUIPMENT	PRIORITIZE LOCATION OF LIGHT FIXTURES PER PLANS AND COORDINATE LOCATION OF DIFFUSER ACCORDINGLY	6
SA-1<N>	New Supply Air Diffuser	100 - 160	15x15	COORDINATE FACESIZE AND FINISH TO MATCH EXISTING/REUSED EQUIPMENT	PRIORITIZE LOCATION OF LIGHT FIXTURES PER PLANS AND COORDINATE LOCATION OF DIFFUSER ACCORDINGLY	9

- DISCONNECT EXISTING DIFFUSERS IN ROOMS 112, 113 FROM DUCTWORK CONNECTED TO HF-2 AND CONNECT NEW DUCTWORK TO MAIN TRUNK OF HF-1.
- INSTALL SUPPLY DIFFUSERS AND RETURN REGISTERS IN ROOM 101 AND CONNECT NEW DUCTWORK TO HF-1 SUPPLY AND RETURN TRUNKS.
- COORDINATE NEW LOCATIONS OF NEW EQUIPMENT WITH NEW LIGHT FIXTURE LAYOUT AND PARTITION WALLS.
- MAINTAIN 10 FT DISTANCE BETWEEN SUPPLY AND RETURN REGISTERS.
- INSPECT TF-1 TO INSURE IT FUNCTIONS AS INTENDED AND INSTALL A BACKDRAFT DAMPER AT THE CONNECTION TO THE MAIN RETURN TRUNK.
- INSTALL BALANCING DAMPERS AT THE BRANCH DUCT OF ALL SUPPLY DIFFUSERS IN OFFICES.

### HVAC LOW VOLTAGE EQUIPMENT SCHEDULE

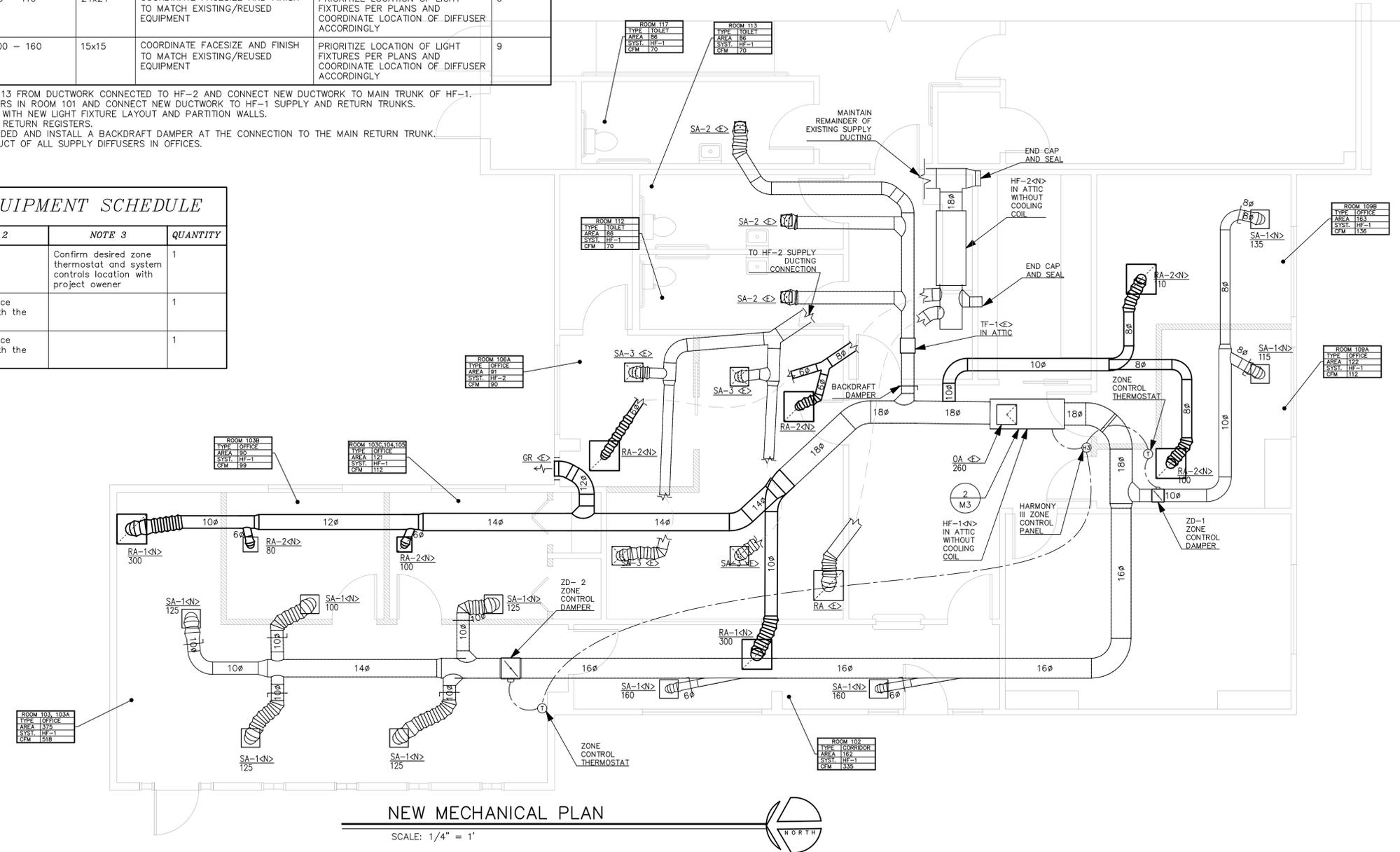
CALLOUT	DESCRIPTION	NOTE 2	NOTE 3	QUANTITY
H3	Lennox Harmony III Zone Control	Install per manufacturer instructions	Confirm desired zone thermostat and system controls location with project owner	1
ZD-1	10" Zone Damper W/ Motor	Furnish a device compatible with the H3 System		1
ZD-2	16" Zone Damper W/ Motor	Furnish a device compatible with the H3 System		1

#### HVAC SYMBOLS & ABBREVIATIONS

CMC	CALIFORNIA MECHANICAL CODE
CPC	CALIFORNIA PLUMBING CODE
OA	OUTSIDE AIR
EX	EXHAUST AIR
SA	SUPPLY AIR
RA	RETURN AIR
GR	GRAVITY RELIEF
HP	HEAT PUMP
CC	CEILING CASSETTE
EF	EXHAUST FAN
CFM	CUBIC FOOT PER MINUTE
C	CONDENSATE DRAIN PIPE
R	REFRIGERANT PIPE
○	PIPE TURN UP
◡	PIPE TURN DOWN
⊕	THERMOSTAT/CONTROLS
⬮	FIRE DAMPER
⬮	BACKDRAFT DAMPER

#### MECHANICAL NOTES:

- PERFORM ALL WORK IN ACCORDANCE WITH:
  - CALIFORNIA MECHANICAL CODE (2022)
  - CALIFORNIA BUILDING CODE (2022)
  - NFPA 70
  - ASHRAE 62.1
  - SMACNA
- INSTALL ALL EQUIPMENT PER MANUFACTURER INSTRUCTIONS AND STANDARDS LISTED ABOVE.
- CONDUCT A FIELD INVESTIGATION, BEFORE CONSTRUCTION, TO VERIFY THE LOCATION, SIZE AND CONDITION OF EXISTING EQUIPMENT, DIFFUSERS, PIPES, AND SUPPORTS.
- FURNISH 24 GAUGE MINIMUM SHEET METAL FOR METAL DUCTS.
- INSTALL DUCT BRACING AND SUPPORTS PER CMC 519.4 AND SMACNA CH. 6.
- FURNISH AND INSTALL ALL CONDUCTORS AND CONDUIT REQUIRED FOR CONTROL OF HVAC EQUIPMENT.
- INSTALL FIRE DAMPERS IN LOCATIONS WHERE THE REPLACED SYSTEM HAD A FIRE DAMPER INSTALLED.
- INSTALL FIRE/SMOKE DETECTORS IN LOCATIONS WHERE THE REPLACED SYSTEM HAD DETECTORS INSTALLED TO MAINTAIN THE SAME FUNCTIONALITY OF ANY FIRE ALARM SYSTEM.
- REMOVE ALL DUCTWORK, PIPING, CONTROLS, FIXTURES, AND EQUIPMENT THAT IS NOT TO REMAIN IN SERVICE AS SHOWN ON THE DRAWINGS OR AS REQUIRED INCLUDING THE REMOVAL OF APPURTENANCES AND SUPPORTS.
- INSTALL SEISMIC BRACING AND SUPPORTS ON ALL DUCTWORK AND HVAC EQUIPMENT.
- TEST THE SYSTEM FOR LEAKS AND INTENDED FUNCTIONS POST INSTALLATION.
- OPERATE THE SYSTEM POST INSTALLATION TO DEMONSTRATE ALL ASPECTS TO THE OWNER AND PROVE THE SYSTEM OPERATES AS INTENDED.
- REPLACE ALL FILTERS USED DURING THE CONSTRUCTIONS PERIOD PRIOR TO THE TEST RUN.



**NEW MECHANICAL PLAN**  
 SCALE: 1/4" = 1'  


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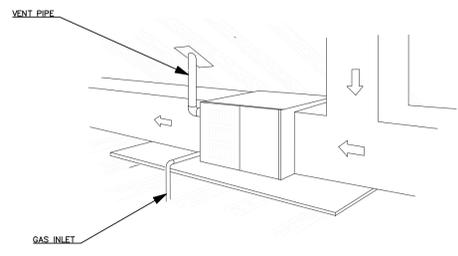


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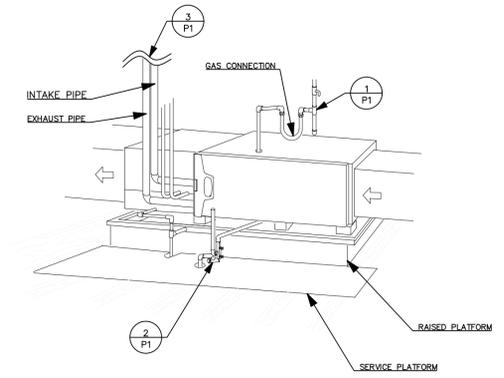
**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V STREET, EUREKA, CALIFORNIA 95501  
**MECHANICAL DETAILS**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA CALIFORNIA 95501

Date	OCT 13 '25
Scale	AS NOTED
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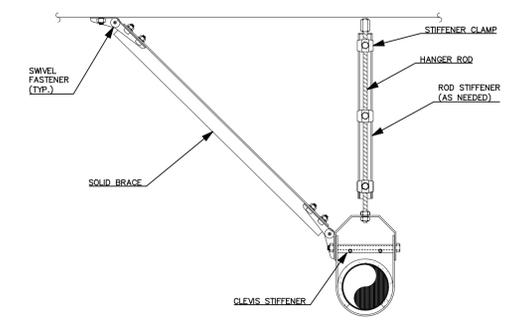
**M3**



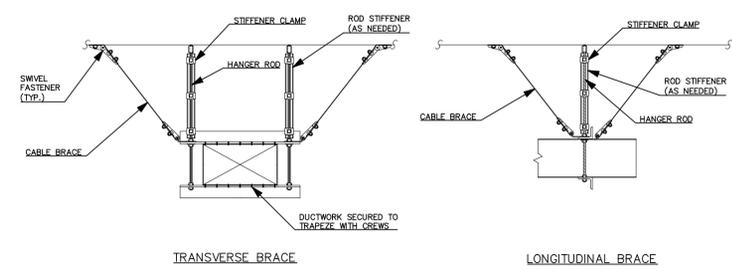
**1** EXISTING FURNACE CONFIGURATION  
NOT TO SCALE



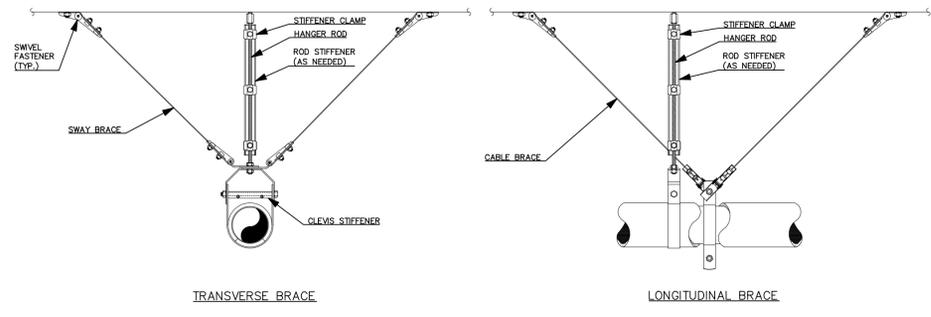
**2** NEW FURNACE CONFIGURATION  
NOT TO SCALE



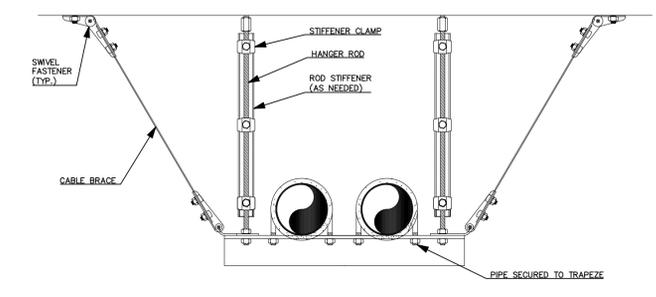
**3** SOLID BRACE FOR INDIVIDUALLY SUPPORTED PIPE  
NOT TO SCALE



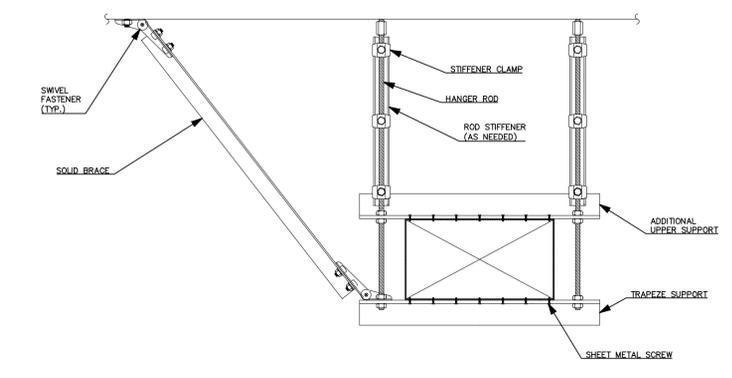
**4** CABLE BRACE FOR SUSPENDED RECTANGULAR DUCTWORK  
NOT TO SCALE



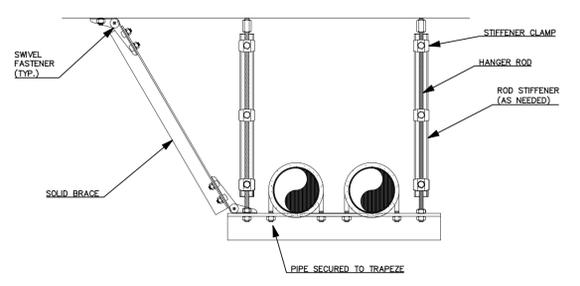
**5** CABLE BRACE FOR HORIZONTAL SUSPENDED PIPE AND ROUND DUCTWORK  
NOT TO SCALE



**6** CABLE BRACE FOR TRAPEZE SUSPENDED PIPE  
NOT TO SCALE



**7** SOLID BRACE FOR DUCTWORK IN TRAPEZE  
NOT TO SCALE



**8** SOLID BRACE IN COMPRESSION FOR TRAPEZE PIPE  
NOT TO SCALE

**HVAC LOAD CALCULATIONS**  
NOT TO SCALE

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1 INCH

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REVISIONS	BY
2/04/25	ZJZ
2/18/26	FMT



**WHITCHURCH ENGINEERING, INC.**  
 610 9th Street, Fortuna, California 95540  
 Phone (707) 725-6926

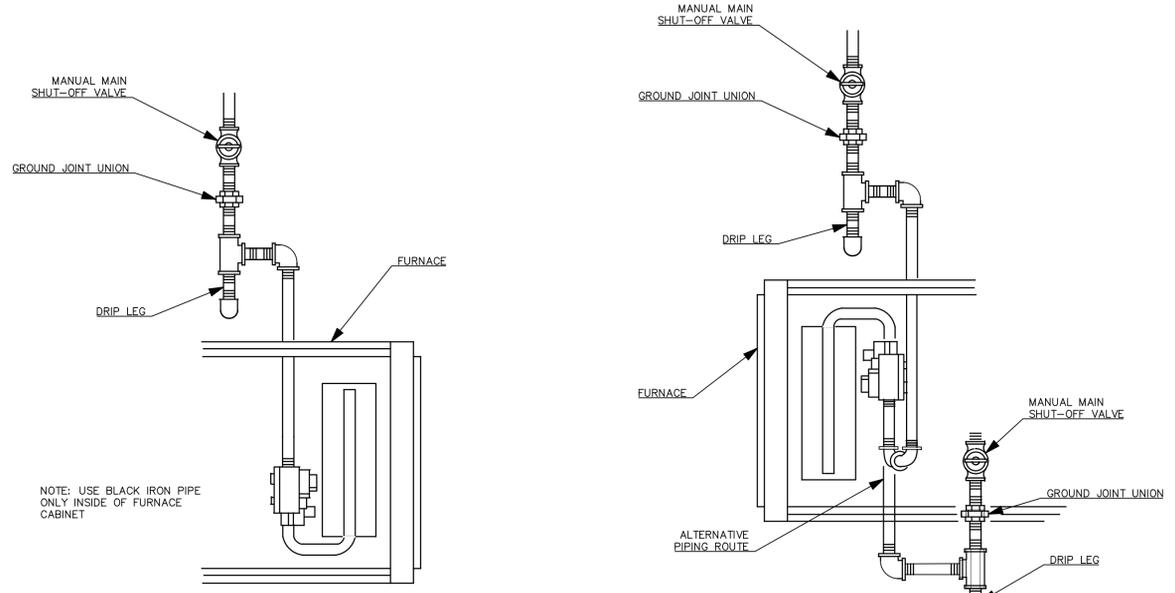
**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V STREET, EUREKA, CALIFORNIA 95501  
**PLUMBING PLAN**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA CALIFORNIA 95501  
7/17/2024

Date OCT 13 '25  
 Scale AS NOTED  
 Design ZJZ  
 Drawn ZJZ  
 Job HTA2502.1  
 Sheet

**P1**

PLUMBING SYMBOLS & ABBREVIATIONS	
CPC	CALIFORNIA PLUMBING CODE
UPC	UNIFORM PLUMBING CODE
CO	CLEANT OUT
VTR	VENT THROUGH ROOF
---	VENT PIPE
---	GAS PIPE
---	CONDENSATE PIPE
U	TRAP AND TRAP ARM
●	ROOF PENETRATION
⊘	SHUT OFF VALVE
— —	CLEAN OUT

- PLUMBING NOTES:
- PERFORM ALL WORK IN ACCORDANCE WITH:
    - CALIFORNIA PLUMBING CODE 2022
    - CALIFORNIA BUILDING CODE 2022
    - NFPA 54
  - CONDUCT A FIELD INVESTIGATION, BEFORE CONSTRUCTION, TO VERIFY THE LOCATION, SIZE AND CONDITION OF EXISTING EQUIPMENT, PIPES, SUPPORTS, AND SERVICE CONNECTIONS.
  - FLUSH, BLOW, OR PIG PIPING SYSTEMS AS NECESSARY TO DELIVER CLEAN SYSTEMS.
  - INSTALL PIPE SUPPORTS EVERY 10' ON CENTER AND AT EVERY CHANGE IN DIRECTION FOR PIPES 1 1/2" OR LARGER AND EVERY 8' ON CENTER AND AT EVERY CHANGE IN DIRECTION FOR SMALLER PIPES.
  - MAKE CONNECTIONS BETWEEN METALLIC AND PLASTIC PIPES IN ACCORDANCE WITH NFPA 54: 7.1.7.2
  - MARK AND LABEL ALL PIPES USED FOR NATURAL GAS PER NFPA 54
  - INSTALL ALL EQUIPMENT AND PIPING CONNECTIONS PER MANUFACTURER INSTRUCTIONS AND STANDARDS LISTED ABOVE.
  - INSTALL A MANUAL GAS SHUT-OFF VALVE AT AN ACCESSIBLE LOCATION UPSTREAM OF EVERY GAS PRESSURE REGULATOR.
  - TEST THE SYSTEM FOR LEAKS AND INTENDED FUNCTIONS POST INSTALLATION.

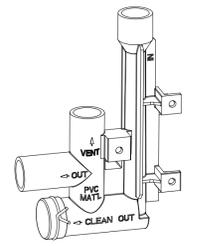


RIGHT SIDE AIR DISCHARGE CONFIGURATION

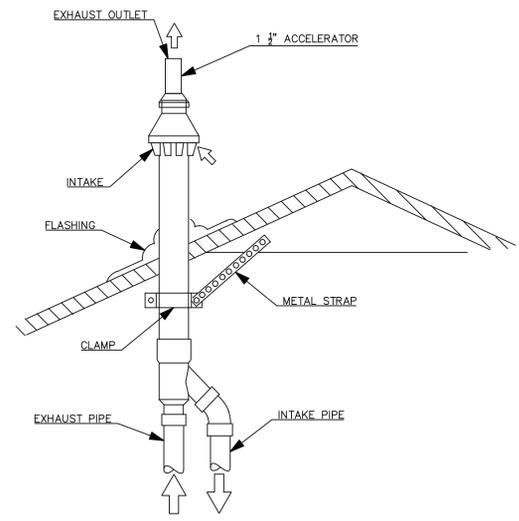
LEFT SIDE AIR DISCHARGE CONFIGURATION

NOTE: USE BLACK IRON PIPE ONLY INSIDE OF FURNACE CABINET

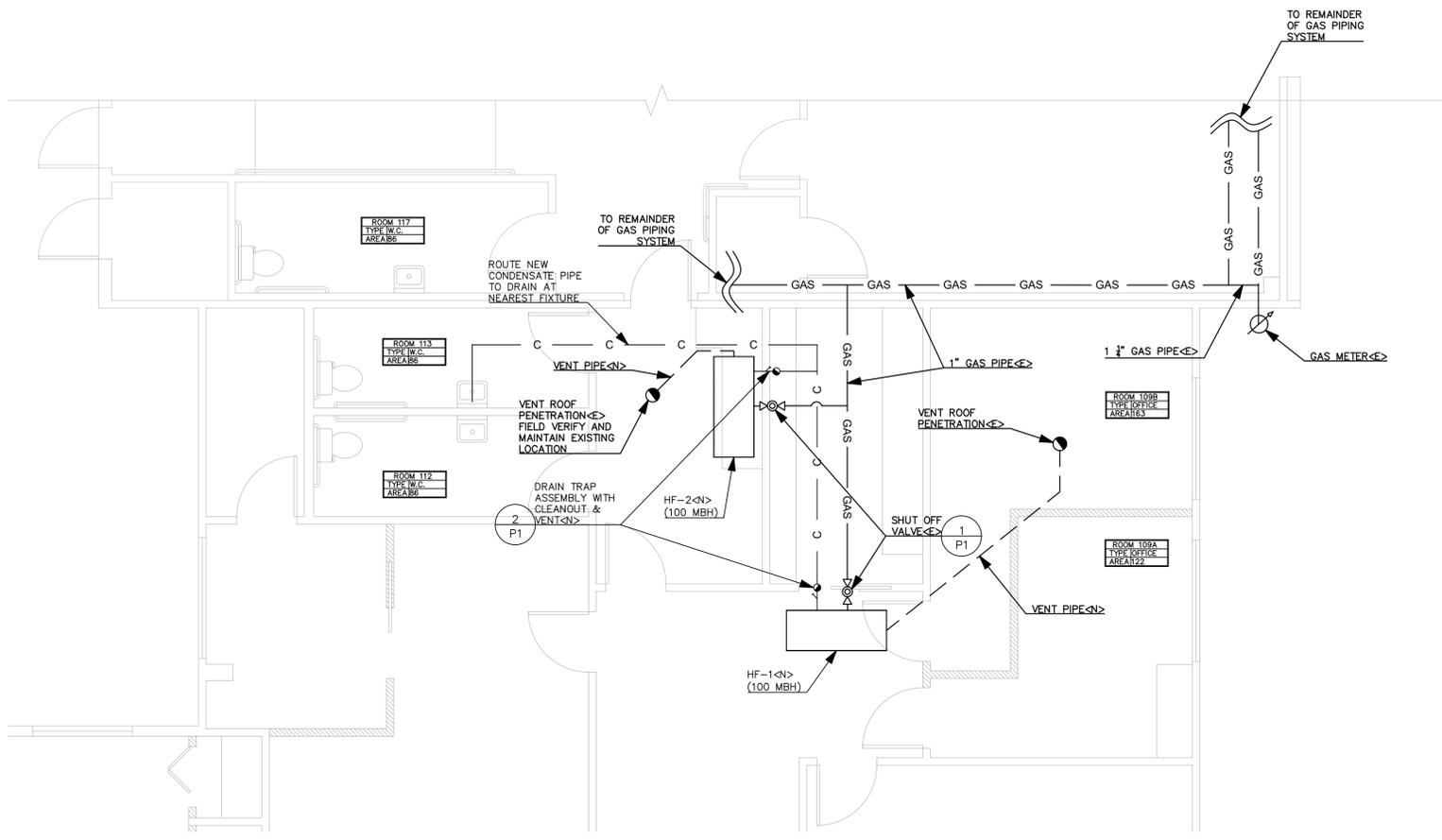
**1 FURNACE GAS CONNECTION SEDIMENT TRAP**  
 NOT TO SCALE



**2 NEW FURNACE DRAIN ASSEMBLY**  
 NOT TO SCALE



**3 DIRECT VENT CONCENTRIC ROOFTOP TERMINATION**  
 NOT TO SCALE



**FURNACE PLUMBING PLAN**

SCALE: 1/4" = 1'



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2/18/26	FMT



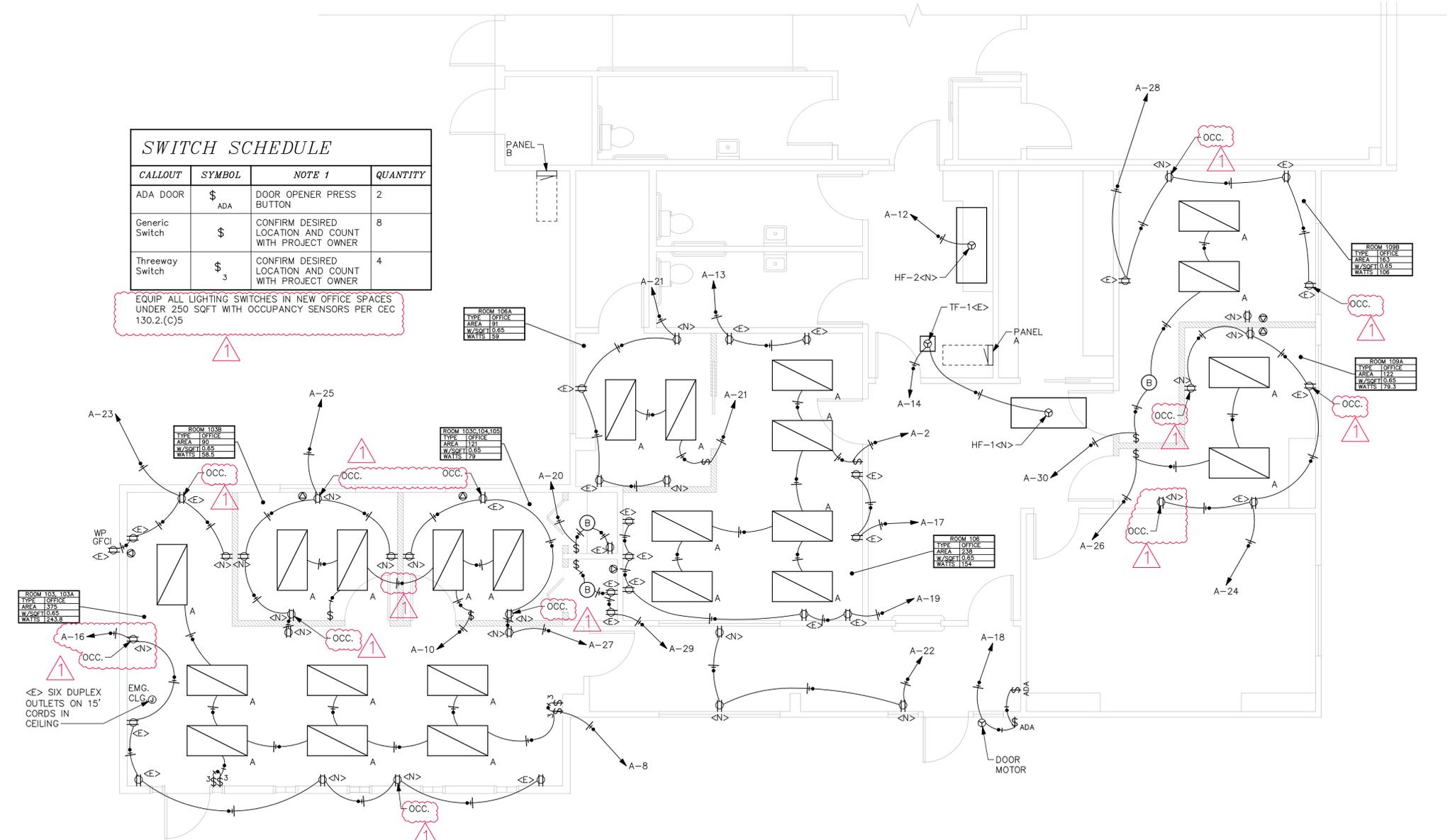
**WHITCHURCH ENGINEERING, INC.**  
 610 9th Street, Fortuna, California 95540  
 Phone (707) 725-6926

**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
 133 V STREET, EUREKA, CALIFORNIA 95501  
**ELECTRICAL & LIGHTING PLAN**  
 FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA, CALIFORNIA 95501

Date	OCT 13 '25
Scale	AS NOTED
Design	ZJZ
Drawn	ZJZ
Job	HTA2502.1
Sheet	E1

CALLOUT	SYMBOL	NOTE 1	QUANTITY
ADA DOOR	\$ <sub>ADA</sub>	DOOR OPENER PRESS BUTTON	2
Generic Switch	\$	CONFIRM DESIRED LOCATION AND COUNT WITH PROJECT OWNER	8
Threeway Switch	\$ <sub>3</sub>	CONFIRM DESIRED LOCATION AND COUNT WITH PROJECT OWNER	4

EQUIP ALL LIGHTING SWITCHES IN NEW OFFICE SPACES UNDER 250 SQFT WITH OCCUPANCY SENSORS PER CEC 130.2.(C)5



**NEW ELECTRICAL & LIGHTING PLAN**  
 SCALE: 1/4" = 1'



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LUMINAIRE SCHEDULE									
CALLOUT	SYMBOL	DESCRIPTION	BALLAST	MOUNTING	MODEL	INPUT WATTS	VOLTS	NOTE 1	QUANTITY
A		High Efficiency Recessed Center Element LED Lay in, 2ft X 4ft, 4000 Nominal Lumens, 80 CRI, 4000K, Curved Opal Lens, 120-277V	ELECTRONIC	CEILING	Lithonia Lighting, STAKP 2X4 4000LM 80CRI 40K COL MVOLT	30.29	120V 1P 2W	REUSE EXISTING FIXTURES AND LAMPS IF EQUIVALENT	23
B		13" SATURN WITH DR6 MODULAR - 3000K	ELECTRONIC	CEILING	Lithonia Lighting, FMSATL 13 14830	14.55	120V 1P 2W	OR EQUIVALENT	3

- LIGHTING FIXTURE LOCATIONS ON THE PLAN ARE APPROXIMATE. COORDINATE WITH OTHER DISCIPLINES REGARDING THE LOCATION OF FIXTURES IN RESPECT TO HVAC DIFFUSERS, REGISTERS, CEILING MOUNTED ELECTRICAL EQUIPMENT, AND ALL OTHER OBSTRUCTIONS.
- THE RATIO OF LIGHTING WATTS TO EACH ROOM'S AREA IN SQUARE FEET MUST NOT EXCEED 0.6 PER CALIFORNIA ENERGY CODE.
- LIGHTING FIXTURES IN ALL NEW OFFICE SPACES LESS THAN 250 SQFT MUST BE CONTROLLED BY AN OCCUPANCY SENSOR TO AUTOMATICALLY TURN FIXTURE OFF AFTER 20 MINUTES OF SPACE BEING UNOCCUPIED.

B												
ROOM			VOLTS 240/120V 3P 4W			AIC 10,000						
MOUNTING FLUSH			BUS AMPS 250			MAIN BKR 250						
FED FROM UTILITY			NEUTRAL 100%			LUGS STANDARD						
NOTE												
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			
			A	B	C				A	B	C	
1	20/1	SPACE	0			2	20/1	SPACE	0			
3	20/1	HEATER <E>, SHOP		1.2		4	100/2	EXISTING LOAD		9		
5	20/1	OUTLETS 119			0.9	6					9	
7	20/1	SPACE	0			8	20/1	SPACE	0			
9	20/1	OUTLETS, PLUGMOLG 121,123,124		1		10	20/1	LIGHTING 3RD ROW 123/124		1.2		
11	20/1	OUTLETD 114,115,119			0.76	12	20/1	LIGHTING 2ND ROW 123/124			1.2	
13	20/1	SPACE	0			14	20/1	SPACE	0			
15	20/1	EXISTING GEN. BLDG.		1.5		16	20/1	LIGHTING 114,118,119,120,121		0.8		
17	40/2	WELDER OUTLETS HOIST			4	18	20/1	LIGHTING OUTSIDE NORTH			1.5	
19			4			20	20/1	SPACE	0			
21	40/2	EXISTING LOAD		4		22	20/1	LIGHTING 4TH, OUTLETS, EF NORTH		2		
23					4	24	20/1	LIGHTS 200,201,202,202			1	
25	20/1	SPACE	0			26	20/1	SPACE	0			
27	50/2	CAR CHARGER		4.75		28	20/1	SPACE	0	0		
29					4.75	30	20/1	EXISTING GEN. BLDG.			2	
31	20/1	SPACE	0			32	20/1	SPACE	0			
33	30/2	HPWH		2.5		34	20/1	OUTLETS 124		0.76		
35					2.5	36	20/1	AIR COMPRESSOR			2	
37	20/1	SPACE	0			38	20/1	SPACE	0			
39	20/1	SPACE		0		40	225/2	PANEL A		12.3		
41	20/1	SPACE			0	42					10.8	
TOTAL CONNECTED KVA BY PHASE									4	41	44.4	
			CONN KVA	CALC KVA	(125%)				CONN KVA	CALC KVA	(125%)	
LIGHTING			8.67	10.8	(25%)	CONTINUOUS			27.5	34.4	(125%)	
LARGEST MOTOR			1.8	0.45	(25%)	NONCONTINUOUS			4	4	(100%)	
MOTORS			3.08	3.08	(100%)	HEATING			8	8	(100%)	
RECEPTACLES			18.6	14.3	(50%>10)	DIVERSE			19.5	19.5	(100%)	
						TOTAL LOAD			94.5			
						BALANCED 3-PHASE LOAD			227 A			

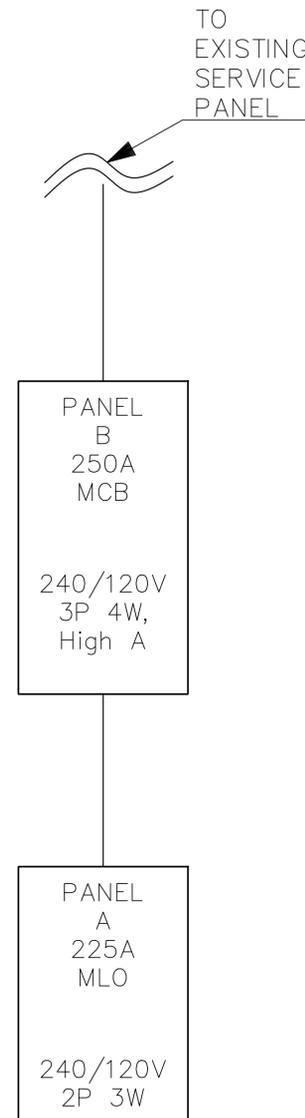
A												
ROOM			VOLTS 240/120V 2P 3W			AIC 10,000						
MOUNTING FLUSH			BUS AMPS 225			MAIN BKR MLO						
FED FROM B			NEUTRAL 100%			LUGS STANDARD						
NOTE HIGH-LEG DELTA (A)												
CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			CKT #	CKT BKR	CIRCUIT DESCRIPTION	LOAD KVA			
			A	B					A	B		
1	20/1	OUTLETS 108, 111	0.9			2	20/1	LIGHTING 101, 106	0.515			
3	20/1	OUTLETS 101, 108		1.02		4	20/1	LIGHTING 108, 110			1	
5	20/1	OUTLET COMPUTER SERVER	1.2			6	20/1	LIGHTING 107, 111, 112, 113	0.9			
7	20/1	OUTLET COPIER		1.2		8	20/1	LIGHTING 103, 103A			0.212	
9	20/1	OUTLETS 110, 111	1.02			10	20/1	LIGHTING 103B, 103C	0.121			
11	20/1	OUTLETS 110		0.18		12	20/1	HF-2, LIGHTING 204 HF-2<N>			1.5	
13	20/1	OUTLETS 106, 107, 111	0.72			14	20/1	HF-1<N>, TF-1<E>	1.58			
15	20/1	OUTLETS 101, 111		0.9		16	20/1	OUTLETS 103			1.08	
17	20/1	OUTLETS 101, 106	0.84			18	20/1	DOOR MOTOR	1.8			
19	20/1	OUTLETS 106		0.9		20	20/1	LIGHTING, OUTLETS 105			0.195	
21	20/1	LIGHTING, OUTLETS 106A	0.781			22	20/1	OUTLETS 102	0.54			
23	20/1	OUTLETS 103A, OUTSIDE		0.72		24	20/1	OUTLETS 109A			0.9	
25	20/1	OUTLETS 103B	0.9			26	20/1	LIGHTING 109A	0.061			
27	20/1	OUTLETS 103C		0.72		28	20/1	OUTLETS 109B			0.72	
29	20/1	LIGHTING, OUTLETS 104	0.375			30	20/1	LIGHTING 109B	0.075			
TOTAL CONNECTED KVA BY PHASE									12.3	11.2		
			CONN KVA	CALC KVA	(125%)				CONN KVA	CALC KVA	(100%)	
LIGHTING			2.97	3.72	(125%)	MOTORS			1.88	1.88	(100%)	
LARGEST MOTOR			1.8	0.45	(25%)	RECEPTACLES			15.7	12.9	(60%>10)	
						HEATING			3	3	(100%)	
						TOTAL LOAD			21.9			
						BALANCED LOAD			91.3 A			

**ELECTRICAL AND LIGHTING SCHEDULES**

NO SCALE

VOLTAGE DROP SCHEDULE						
DEVICE	FEEDER			BRANCH CIRCUIT		TOTAL VOLTAGE DROP
	VOLTAGE DROP	WIRE SIZE	LENGTH	MAX VOLTAGE DROP	WIRE SIZE	
B	0%	#250kcmil	-	-	-	0%
A	0.29%	#4/0	52'	1.49% (CKT 18)	#12	1.78%

ONLY ALTERED CIRCUITS ARE INCLUDED IN THE VOLTAGE DROP CALCULATIONS



**ELECTRICAL SINGLE LINE DIAGRAM**

NO SCALE

ELECTRICAL NOTES:

- PERFORM ALL WORK IN ACCORDANCE WITH:
  - NFPA 70 2023
  - CALIFORNIA ELECTRICAL CODE 2022
  - CALIFORNIA ENERGY CODE 2022
  - CALIFORNIA BUILDING CODE 2022
- CONDUCT A FIELD INVESTIGATION, BEFORE CONSTRUCTION, TO VERIFY THE LOCATION, SIZE AND CONDITION OF EXISTING EQUIPMENT, CONDUIT, AND CONDUCTORS.
- PRIOR TO CONNECTING NEW ELECTRICAL LOADS, VERIFY THAT EXISTING LOADS DO NOT EXCEED THE VALUES SHOWN ON THE PANEL SCHEDULES TO AVOID OVERLOADING THE PANELS.
- INSTALL ALL EQUIPMENT PER MANUFACTURER INSTRUCTIONS AND CODES LISTED ABOVE.
- INTERCEPT, EXTEND, REROUTE, REPULL, AND MODIFY EXISTING CONDUCTORS OF ALL SYSTEM AS REQUIRED TO MAINTAIN AND/OR ESTABLISH PROPER FUNCTION AND SATISFY DESIGN INTENT.
- REMOVE ALL ABANDONED CONDUCTORS AND CONDUIT UNLESS OTHERWISE NOTED.
- COORDINATE WITH THE PROJECT MANAGER BY PROVIDING A WRITTEN METHOD OF PROCEDURE OUTLINING DATES, TIMES, DURATION AND DESCRIPTION OF PROPOSED WORK WHEN DISCONNECTING, MODIFYING, OR WORKING ON EXISTING EQUIPMENT OR SYSTEMS AND OBTAIN WRITTEN APPROVAL BEFORE COMMENCING WORK.
- TEST AND LABEL ALL NEW EQUIPMENT. CONFIRM ALL NEW AND MODIFIED SYSTEMS FUNCTION AS DESIRED.
- GROUND ALL EQUIPMENT PER CALIFORNIA ELECTRICAL CODE 2022 CHAPTER 1 ARTICLE 250.
- MAINTAIN 36" WORKING SPACE CLEARANCE FROM THE FRONT FACE OF ALL NEW DISTRIBUTION EQUIPMENT.

- RECEPTACLES WITH "OCC." TAG INDICATE THE RECEPTACLE IS CONTROLLED BY AN OCCUPANCY SENSOR.
  - A CONTROLLED RECEPTACLE MUST BE INSTALLED WITHIN 6' OF EACH UNCONTROLLED RECEPTACLE IN NEW OFFICE SPACES.
    - CONNECT THE CONTROLLED RECEPTACLES TO THE SAME OCCUPANCY SENSOR USED FOR THE LIGHTING FIXTURES IN THE SAME SPACE.
    - CONTROLLED RECEPTACLES MUST NOT SHARE A CIRCUIT WITH THE LIGHTING FIXTURES.
- LIGHTING CONTROL NOTES
- OCCUPANCY SENSORS MUST BE INSTALLED FOR FIXTURES IN NEW OFFICE SPACES LESS THAN 250 SQFT TO TURN FIXTURES OFF AFTER 20 MINUTES OF THE SPACE BEING TYPICALLY UNOCCUPIED.

REVISIONS	BY
2/04/25	ZJZ
2/18/26	FMT



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**HUMBOLDT TRANSIT AUTHORITY OFFICE REMODEL**  
133 V STREET, EUREKA, CALIFORNIA 95501  
**ELECTRICAL & LIGHTING SCHEDULES**  
FOR: HUMBOLDT TRANSIT AUTHORITY, 133 V STREET, EUREKA CALIFORNIA 95501

Date	OCT 13 '25
Scale	AS NOTED
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Drawn	ZJZ
Job	HTA2502.1
Sheet	E2

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