CITY PROJECT NO. 24-010
CITY OF TURLOCK, FIRE STATION NO. 31
SCBA COMPRESSOR ROOM

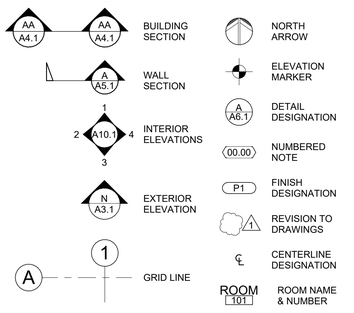
540 E MARSHALL ST.
TURLOCK, CA 95380

ABBREVIATIONS

@	AT	JB.	JAMB
A.F.F.	ABOVE FINISH FLOOR	JT.	JOINT
ABV.	ABOVE		
ADJ.	ADJUSTABLE	LAV.	LAVATORY
ALT.	ALTERNATE	LTWT.	LIGHT WEIGHT
ALUM.	ALUMINUM		
APPL.	APPLICABLE	MAX.	MAXIMUM
APPROX.	APPROXIMATE	MECH.	MECHANICAL
		MIN.	MINIMUM / MINUTE
B.O.	BOTTOM OF	MTD.	MOUNTED
BD.	BOARD	MTL.	METAL
BLDG.	BUILDING		
BLK.	BLOCK	(N)	NEW
BLKG.	BLOCKING	N.I.C.	NOT IN CONTRACT
BLW.	BELOW	N.T.S.	NOT TO SCALE
BTWN.	BETWEEN	N/A	NOT APPLICABLE
		NO. / #	NUMBER
C.I.	CAST IRON		
C.I.P.	CAST-IN-PLACE	O.C.	ON CENTER
C.J.	CONTROL JOINT	OPP.	OPPOSITE HAND
C.L.	CENTER LINE	ov/	OVER
CBC	CALIFORNIA BUILDING CODE	OZ.	OUNCE
CLG.	CEILING	P.F.	PREFINISHED
CLR.	CLEAR	P.O.C.	POINT OF CONNECTION
CMU	CONCRETE MASONRY UNIT	P.T.	PRESSURE TREATED
		PL.	PLATE
COL.	COLUMN	PLAM.	PLASTIC LAMINATE
COMP.	COMPACTED	PROP.	PROPERTY
CONC.	CONCRETE	PSI	POUNDS PER SQUARE INCH
CONT.	CONTINUOUS		
		PW	PLYWOOD
D.F.	DOUGLAS FIR / DRINKING FOUNTAIN		
		R.W.L.	RAIN WATER LEADER
D.S.	DOWNSPOUT	RDWD.	REDWOOD
DBL.	DOUBLE	REF.	REFER TO
DIA.	DIAMETER	REINF.	REINFORCED
DN.	DOWN	REQ'D.	REQUIRED
DWG.	DRAWING	RM.	ROOM
E.I.F.S.	EXTERIOR INSULATION & FINISH SYSTEM	S.C.	SOLID CORE
		S.D.	STORM DRAIN
E.J.	EXPANSION JOINT	S.F.	SQUARE FOOTAGE / STOREFRONT
E.W.	EACH WAY		
EA.	EACH	S.M.	SHEET METAL
ELEV.	ELEVATION	S.M.S.	SHEET METAL SCREW
EQ.	EQUAL	S.P.	SINGLE PLY
EXIST. / (E)	EXISTING	S.S.	SANITARY SEWER LINE / STANDING SEAM / STAINLESS STEEL
EXP.	EXPANSION		
EXT.	EXTERIOR	SCH.	SCHEDULE
		SDST	SELF-DRILLING SELF-TAPPING
F.D.	FLOOR DRAIN		
F.E.	FIRE EXTINGUISHER	SHT.	SHEET
F.G.	FIBERGLASS / FINISH GRADE	SIM.	SIMILAR
		SPEC.	SPECIFICATION
F.H.	FIRE HYDRANT	SQ.	SQUARE
F.O.F.	FACE OF FINISH	STD.	STANDARD
F.O.S.	FACE OF STUD	STL.	STEEL
F.R.P.	FIBER REINFORCED POLYMER	SUSP.	SUSPENDED
F.S.	FIRE SPRINKLERS	T & B	TOP & BOTTOM
F.S.D.	FIRE SEPARATION DISTANCE	T & G	TONGUE & GROOVE
		T.J.I.	TRUS JOIST I-JOIST
FIN.	FINISH	T.O.	TOP OF
FLR.	FLOOR	T.S.	TUBE STEEL
FT.	FOOT / FEET	TEMP	TEMPORARY
FTG.	FOOTING	TYP.	TYPICAL
G.B.	GRADE BREAK	U.O.N.	UNLESS OTHERWISE NOTED
G.I.	GALVANIZED IRON		
G.L.B.	GLUE LAMINATED BEAM	V.B.	VAPOR BARRIER
GA.	GAUGE	V.I.F.	VERIFY IN FIELD
GALV.	GALVANIZED	V.T.R.	VENT THROUGH ROOF
GD.	GRADE	VERT.	VERTICAL
GYP. BD.	GYPSUM BOARD		
		W.C.	WATER CLOSET
H.M.	HOLLOW METAL	W.H.	WATER HEATER
HD.	HEAD	W.I.	WROUGHT IRON
HDR.	HEADER	W.W.F.	WOVEN WIRE FABRIC
HDWR.	HARDWARE	w/	WITH
HORIZ.	HORIZONTAL	w/o	WITHOUT
HR.	HOUR	WD.	WOOD
HT.	HEIGHT		
I.D.	IDENTIFICATION		
I.S.A.	INTERNATIONAL SYMBOL OF ACCESSIBILITY		
INSUL.	INSULATION		
INT.	INTERIOR		

SHEET INDEX

SYMBOLS



PROJECT CONTACTS

OWNER INFORMATION

OWNER
CITY OF TURLOCK
156 S. BROADWAY #150
TURLOCK, CA 95380
PHONE: 209.668.5366
EMAIL: omolina@turlock.ca.us
CONTACT: OSCAR MOLINA

CONSULTANT INFORMATION

ARCHITECT
WMB ARCHITECTS
5757 PACIFIC AVENUE, SUITE 226
STOCKTON, CA 95207
PHONE: 209.944.9110
FAX: 209.944.5711
EMAIL: dd@wmbarchitects.com
CONTACT: DOUG DAVIS, PROJECT ARCHITECT

STRUCTURAL ENGINEER
PRECISION BUILDING SOLUTIONS DBA
JC WAGNER & ASSOCIATES
2132 N. EL DORADO STREET
STOCKTON, CA 95204
PHONE: 209.227.7646
EMAIL: dougw@precisionbuildusa.com
CONTACT: DOUGLASS E. WAGNER, P.E.

MECHANICAL ENGINEER
NEXUS ENGINEERING
1400-A LONE PALM AVENUE
MODESTO, CA 95351
PHONE: 209.572.7399
FAX: 209.236.1579
EMAIL: alayman@nexusengineering.net
CONTACT: ALLEN LAYMAN, P.E.

ELECTRICAL ENGINEER
PEZZONI ENGINEERING, INC.
1150 9th STREET STE. #1415
MODESTO, CA 95354
PHONE: 209.554.4602
EMAIL: kpezzoni@pezengr.com
CONTACT: KEVIN PEZZONI. P.E.

PROJECT DATA *ALTERATION*

	YES	NO
ALTERATION TO EXISTING BLDG	X	
ADDITION TO EXISTING BLDG		X
CHANGE OF USE		X
EXISTING FIRE SPRINKLERS	X	

TYPE OF CONSTRUCTION	V-B
OCCUPANCY GROUP	B
	EXISTING
BUILDING HEIGHT	(E) 31' - 3" *UNCHANGED*
NUMBER OF STORIES	(E) 2 *UNCHANGED*
BUILDING AREA	10,127 S.F. *UNCHANGED*
AREA OF WORK	160 S.F.

ACCESS COMPLIANCE

	COMPLIANT PRIOR TO ALTERATION	IMPROVED WITH ALTERATION	EXCEEDS HARDSHIP THRESHOLD
PRIMARY ENTRANCE	X		
ACCESSIBLE ROUTE TO THE AREA	X		
TOILET FACILITES SERVING THE AREA		X	X
DRINKING FOUNTAINS SERVING THE AREA	------ NOT PREVIOUSLY PROVIDED ------		
PUBLIC TELEPHONES SERVING THE AREA	------ NOT PREVIOUSLY PROVIDED ------		
SIGNS		X	
ACCESSIBLE PARKING		X	

REFER TO ACCESSIBILITY UPGRADE FORM FOR ADDITIONAL DETAIL /1

SPECIAL INSPECTIONS

1. REFER TO STRUCTURAL DRAWINGS FOR POST-INSTALLED ANCHORS - DETAILED INFORMATION

APPROVED BY

4/22/2025

WILLIAM D. MORRIS, R.C.E., P.L.S., DATE
CITY ENGINEER
CITY OF TURLOCK

PROJECT INFORMATION

PROJECT DESCRIPTION

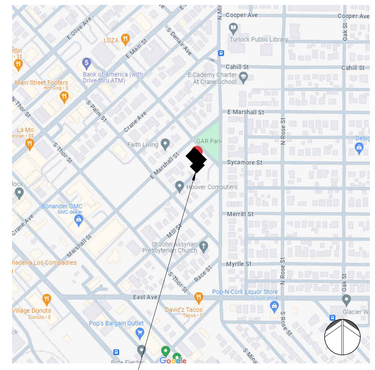
INTERIOR ALTERATION TO PORTION OF EXISTING FIRE STATION, ENLARGING EXISTING SCBA ROOM TO ACCOMMODATE NEW COMPRESSOR EQUIPMENT; ELECTRICAL AND HVAC MODIFICATIONS TO ACCOMMODATE NEW COMPRESSOR EQUIPMENT.

APPLICABLE CODES

ALL WORK SHALL BE IN CONFORMANCE WITH THE LATEST ADOPTED AND EFFECTIVE EDITION OF TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR), AS APPLICABLE:

PART 1	CALIFORNIA ADMINISTRATIVE CODE
PART 2	2022 CALIFORNIA BUILDING CODE
PART 3	2022 CALIFORNIA ELECTRICAL CODE
PART 4	2022 CALIFORNIA MECHANICAL CODE
PART 5	2022 CALIFORNIA PLUMBING CODE
PART 6	2022 CALIFORNIA ENERGY CODE
PART 9	2022 CALIFORNIA FIRE CODE
PART 11	2022 CALIFORNIA GREEN BUILDING STANDARDS CODE

VICINITY MAP



PROJECT LOCATION
ADDRESS: 540 E MARSHALL ST.
TURLOCK, CA 95380

SEPARATE PERMITS

IT IS THE GENERAL CONTRACTOR'S RESPONSIBILITY TO SUBMIT THE FOLLOWING ITEMS TO THE AUTHORITY HAVING JURISDICTION FOR APPROVAL PRIOR TO BEGINNING RELATED WORK:

1. ALTERATIONS TO EXISTING FIRE SUPPRESSION & FIRE ALARM SYSTEMS /1

BID ALTERNATES

ADDITIVE BID ALTERNATE # 1:
NEW EXTERIOR DOUBLE DOOR. WORK ASSOCIATED WITH BID ALTERNATE #1 INCLUDES:

- DEMOLISHING PORTION OF EXISTING WALL TO ACCOMMODATE NEW DOOR OPENING; REMOVAL OF INTERIOR GYPSUM WALLBOARD ADJACENT TO NEW OPENING TO INSTALL NEW HOLDDOWNS AND SHEATHING. REFER TO 3/D2.1.
- PROVIDE AND INSTALL NEW DOUBLE DOOR 101.2, DOOR FRAME, AND DOOR HARDWARE PER DOOR SCHEDULE. INSTALL NEW GYPSUM WALLBOARD OVER NEW WALL SHEATHING. PATCH/REPAIR STUCCO AROUND DOOR FRAME. REFER TO 3/A2.1 AND BID ALT 1 DOOR SCHEDULE, SHEET A8.1
- INSTALL NEW 6X6 POSTS, HEADER, AND HOLDDOWNS AT NEW OPENING. INSTALL NEW SHEAR WALL SHEATHING ADJACENT NEW OPENING. REFER TO SHEET S2.0.
- RELOCATE EXISTING OUTDOOR CONDENSING UNIT TO ACCOMMODATE NEW DOOR OPENING. REFER TO MECHANICAL PLANS, SHEET M-2.0. RELOCATE EXISTING DISCONNECT AND FEEDER PER POWER NOTE #1, SHEET E1.1

ADDITIVE BID ALTERNATE #2:
PROVIDE AND INSTALL NEW MINI-SPLIT SYSTEM (INDOOR FAN COIL FC-1 AND OUTDOOR CONDENSING UNIT CU-1) PER MECHANICAL PLANS. REFER TO POWER NOTES 15 & 16 FOR ELECTRICAL POWER SUPPLY TO NEW MINI-SPLIT SYSTEM.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM
540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

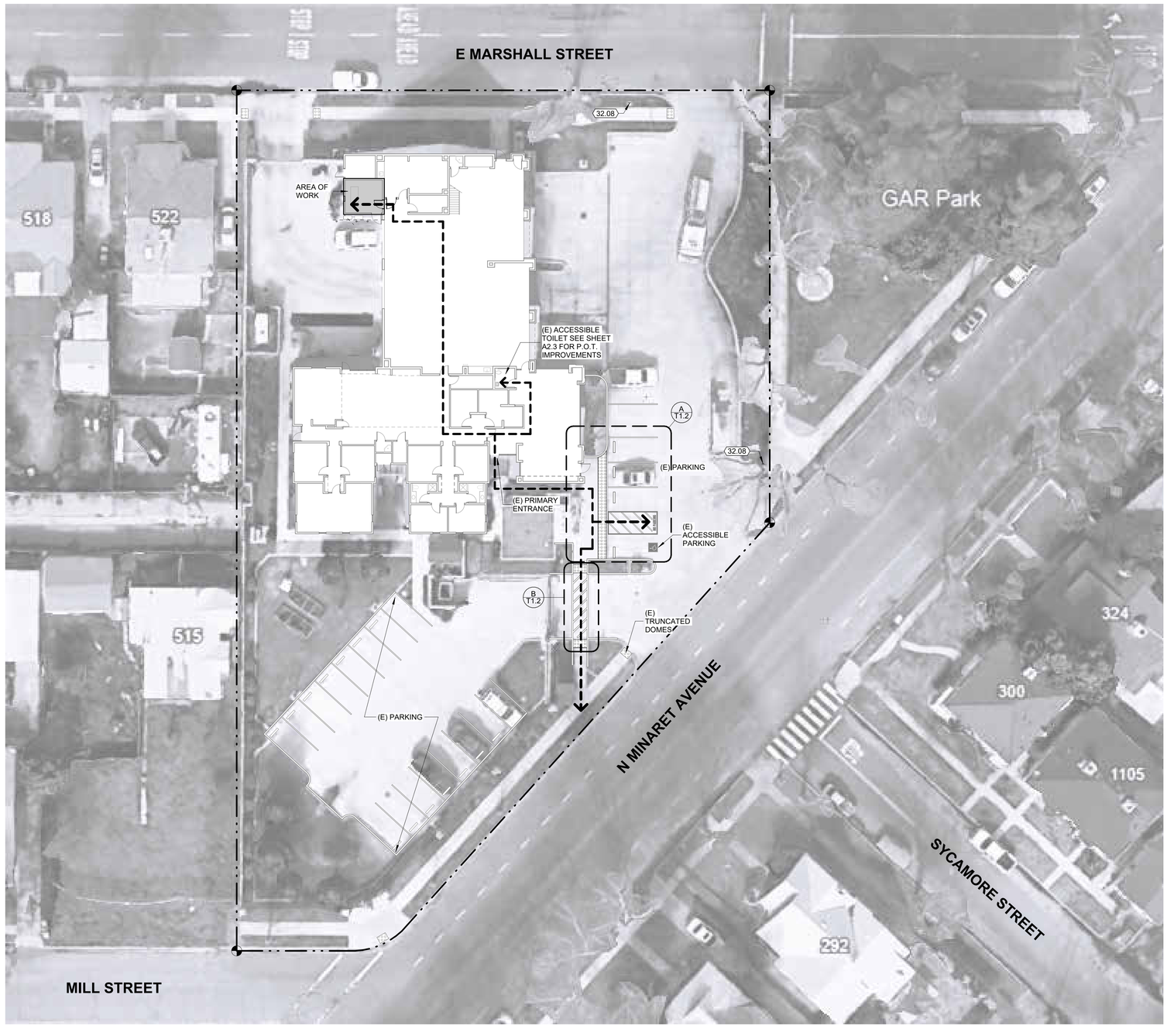
No.	DATE	PURPOSE
1	11.08.24	BLDG PERMIT APP
2	02.18.25	Plan Check #1

TITLE SHEET

T1.1

[redacted]

3/4/2025 11:43:35 AM



SITE PLAN
1" = 20'-0"

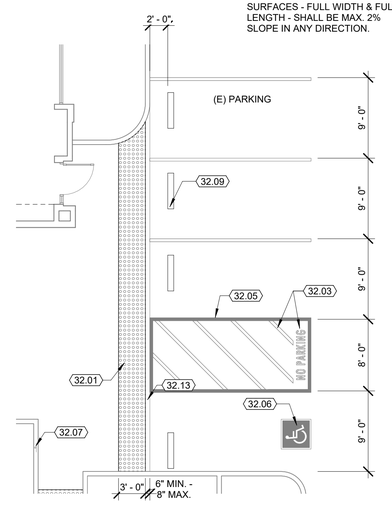
LEGEND

ACCESSIBLE PEDESTRIAN ROUTE:
MIN. WIDTH = 48"
MAX. SURFACE SLOPES:
CROSS SLOPE = 1:48" MAX.
SLOPE IN DIRECTION OF TRAVEL = 1:20 MAX.
RUNNING SLOPE ON RAMPS AND CURB RAMPS = 1:12 MAX.
NO VERTICAL OFFSETS IN EXCESS OF 1/4"

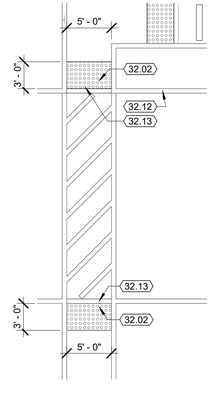
KEYNOTES

32.01	PROVIDE AND INSTALL 36" WIDE CONTINUOUS SURFACE MOUNTED DETECTABLE WARNING SURFACE - SEE DETAIL L/T3.2
32.02	PROVIDE AND INSTALL DETECTABLE WARNING SURFACE AT (E) CONC. RAMP PER DETAIL M/T3.2
32.03	PAINT 4" WIDE WHITE ACCESS AISLE STRIPING @ 36" O.C. w/ 12" HIGH IDENTIFICATION LETTERS: "NO PARKING"
32.05	PAINT 4" WIDE ACCESS AISLE w/ 4" BLUE BORDER w/ 4" WHITE STRIPING @ 36" O.C.
32.06	PAINT ACCESSIBLE PARKING STALL SURFACE IDENTIFICATION - WHITE I.S.A. ON A BLUE BACKGROUND - BACKGROUND AREA TO BE 36" SQUARE
32.07	(E) ACCESSIBLE PARKING STALL SIGN, ADD ADDITIONAL MINIMUM FINE SIGN PER DETAIL K/T3.2
32.08	(E) TOW-AWAY / ACCESSIBLE PARKING ENTRY SIGN - REPLACE CONTACT INFORMATION PER DETAIL N/T3.2
32.09	(E) PRECAST CON. WHEEL STOPS - TYP. @ FLUSH CURB
32.12	(E) CONCRETE CURB
32.13	(E) FLUSH CURB

NOTE: PARKING & ACCESS AISLE SURFACES - FULL WIDTH & FULL LENGTH - SHALL BE MAX. 2% SLOPE IN ANY DIRECTION.



A ENLARGED SITE PLAN - PARKING
1/8" = 1'-0"



B ENLARGED SITE PLAN - WALKWAY
1/8" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31,
SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

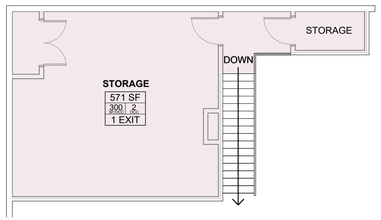
PUBLISH HISTORY:

NO.	DATE	PURPOSE
1	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

SITE PLAN

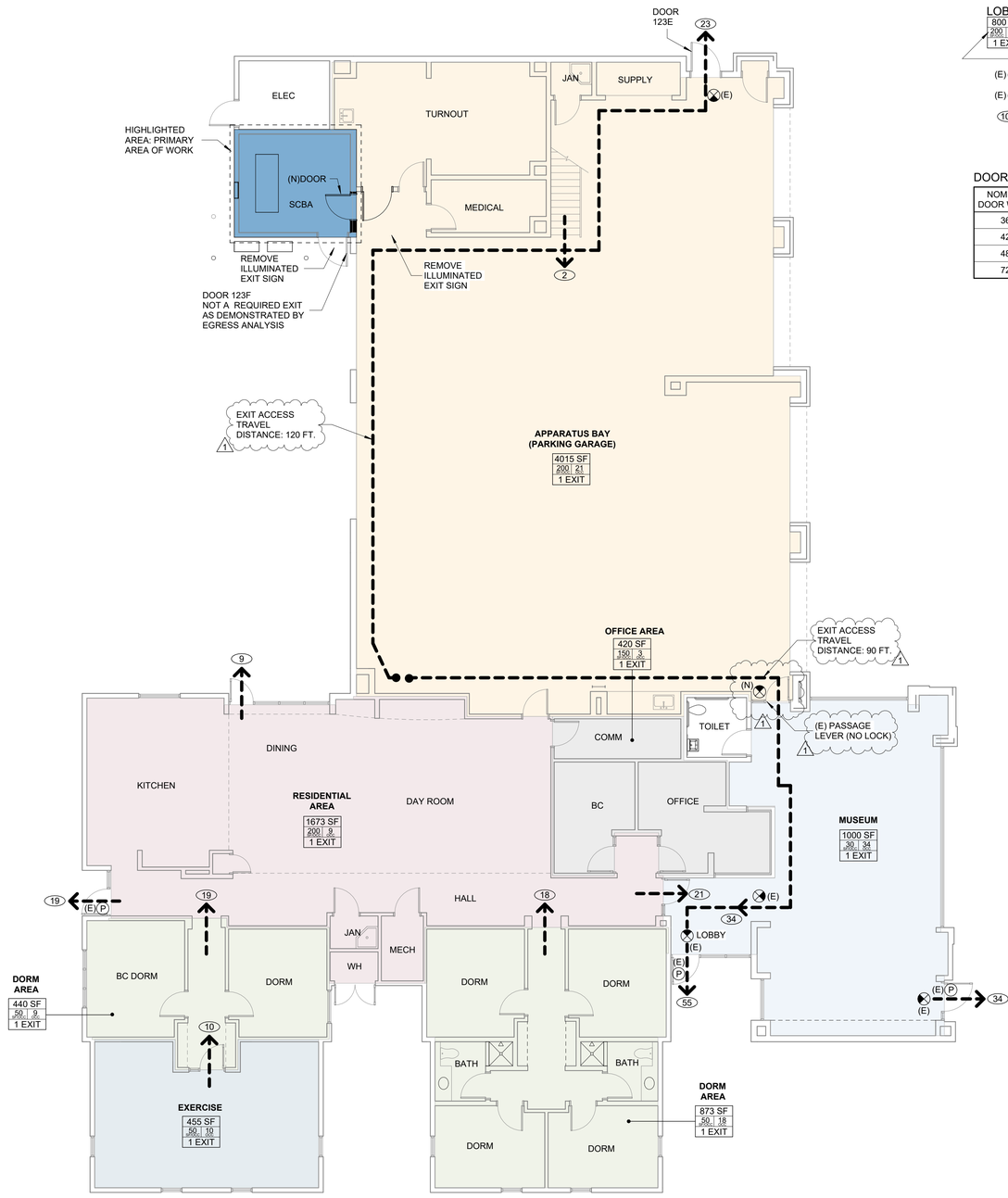
T1.2

3/4/2025 11:43:36 AM



2ND FLOOR PLAN- OCCUPANCY

1/8" = 1'-0"



OCCUPANCY FLOOR PLAN

1/8" = 1'-0"

LEGEND

LOBBY
800 SF
200 4
1 EXIT

- ROOM NAME
- ROOM AREA
- OCCUPANT LOAD
- EXITS REQUIRED
- OCCUPANCY LOAD FACTOR
- (E) (P) EXISTING PANIC HARDWARE
- (E) EXISTING ILLUMINATED EXIT SIGN
- (100) NUMBER OF OCCUPANTS

DOOR EGRESS CALCULATION

NOMINAL DOOR WIDTH	NET OPENING	FACTOR	MAX. NO. OF OCCUPANTS
36"	33"	0.20" / OCC.	165
42"	39"	0.20" / OCC.	195
48"	45"	0.20" / OCC.	225
72"	68"	0.20" / OCC.	340

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

OCCUPANCY PLAN + SYMBOLS + ABBREVIATIONS

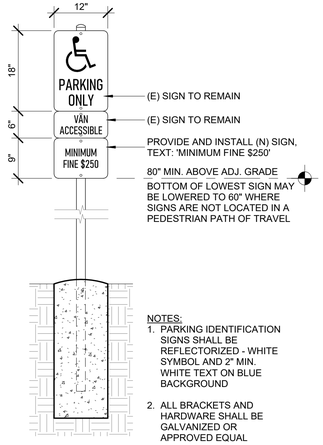
T2.1

3/4/2025 11:43:38 AM

ADD NEW TEXT TO (E) SIGN: "TURLOCK POLICE DEPARTMENT (209) 668-5550

NOTES:
1. UNAUTHORIZED VEHICLE SIGN SHALL HAVE MIN 1" BLACK TEXT ON WHITE BACKGROUND
2. ALL BRACKETS AND HARDWARE SHALL BE GALVANIZED OR APPROVED EQUAL

N TOW AWAY SIGN
3/4" = 1'-0"



(E) SIGN TO REMAIN

(E) SIGN TO REMAIN

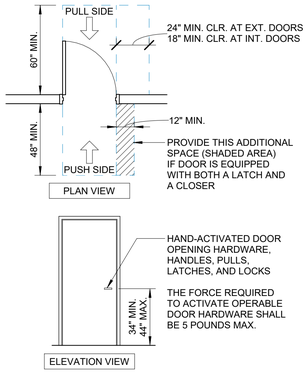
PROVIDE AND INSTALL (N) SIGN, TEXT: "MINIMUM FINE $250"

80" MIN. ABOVE ADJ. GRADE

BOTTOM OF LOWEST SIGN MAY BE LOWERED TO 60" WHERE SIGNS ARE NOT LOCATED IN A PEDESTRIAN PATH OF TRAVEL

NOTES:
1. PARKING IDENTIFICATION SIGNS SHALL BE REFLECTORIZED - WHITE SYMBOL AND 2" MIN. WHITE TEXT ON BLUE BACKGROUND
2. ALL BRACKETS AND HARDWARE SHALL BE GALVANIZED OR APPROVED EQUAL

K ACCESS PARKING STALL SIGN
3/4" = 1'-0"



24" MIN. CLR. AT EXT. DOORS
18" MIN. CLR. AT INT. DOORS

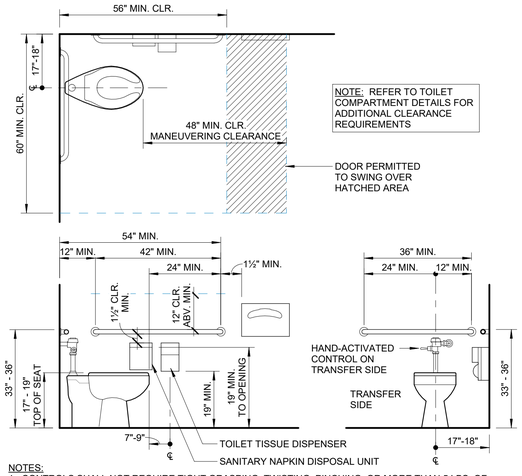
12" MIN.

PROVIDE THIS ADDITIONAL SPACE (SHADED AREA) IF DOOR IS EQUIPPED WITH BOTH A LATCH AND A CLOSER

HAND-ACTIVATED DOOR OPENING HARDWARE, HANDLES, PULLS, LATCHES, AND LOCKS

THE FORCE REQUIRED TO ACTIVATE OPERABLE DOOR HARDWARE SHALL BE 5 POUNDS MAX.

D ACCESSIBLE DOOR
1/4" = 1'-0"

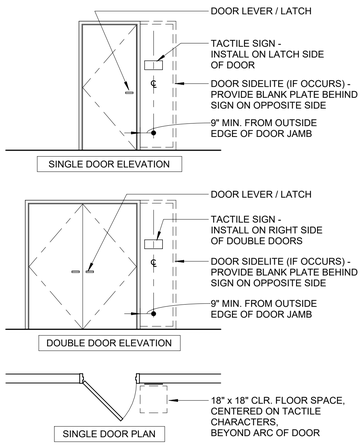


NOTE: REFER TO TOILET COMPARTMENT DETAILS FOR ADDITIONAL CLEARANCE REQUIREMENTS

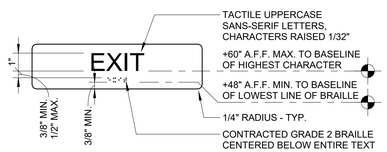
DOOR PERMITTED TO SWING OVER HATCHED AREA

NOTES:
1. CONTROLS SHALL NOT REQUIRE TIGHT GRASPING, TWISTING, PINCHING, OR MORE THAN 5 LBS. OF FORCE TO OPERATE.
2. THE REQUIRED CLEARANCE AROUND THE WATER CLOSET SHALL BE PERMITTED TO OVERLAP THE WATER CLOSET, ASSOCIATED GRAB BARS, DISPENSERS, SANITARY NAPKIN DISPOSAL UNITS, COAT HOOKS, SHELVES, ACCESSIBLE ROUTES, CLEAR FLOOR SPACE & CLEARANCES REQUIRED AT OTHER FIXTURES, AND THE TURNING SPACE. NO OTHER FIXTURES OR OBSTRUCTIONS SHALL BE LOCATED WITHIN THE REQUIRED WATER CLOSET CLEARANCE.

A ACCESSIBLE WATER CLOSET
1/2" = 1'-0"



P TYP. TACTILE SIGN LOCATION AT DOOR
1/4" = 1'-0"



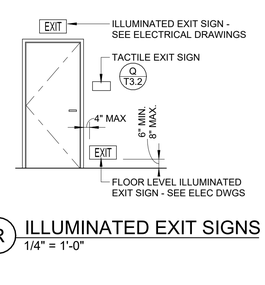
ALTERNATE SIGN TYPES (REFER TO SCHEDULE):

E2 EXIT ROUTE

TO EXIT E

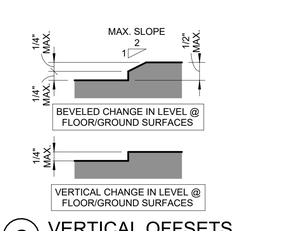
NOTES:
1. CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND *(LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND)*
2. REFER TO TACTILE SIGN LOCATION DETAIL FOR SIGN LOCATION RELATIVE TO DOORS
3. BRAILLE SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 11B OF THE C.B.C., LATEST EDITION
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

Q TACTILE EXIT SIGN
3" = 1'-0"



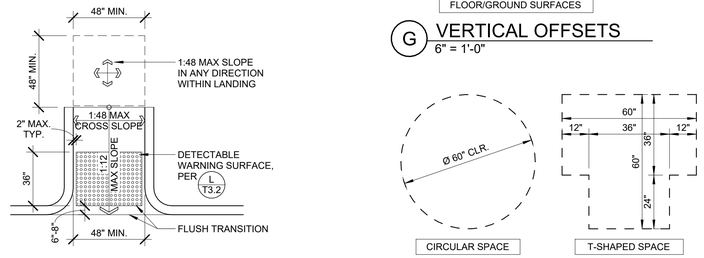
NOTES:
1. FOR APPLICATION TO EXISTING PAVING, USE SURFACE-APPLIED DETECTABLE WARNING SYSTEM BY ADA SOLUTIONS, INC.
2. AT NEW PAVING, USE REPLACEABLE WET-SET DETECTABLE WARNING SYSTEM BY ADA SOLUTIONS, INC.
3. COLOR SHALL BE SELECTED BY ARCHITECT FROM MANUFACTURER'S STANDARDS

L DETECTABLE WARNING
3" = 1'-0"



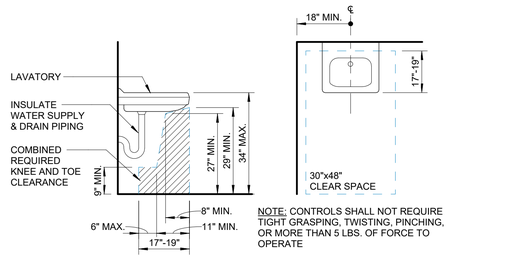
F PROTRUSION LIMITS
1/4" = 1'-0"

G VERTICAL OFFSETS
6" = 1'-0"



M CURB RAMP @ RETAINING CURB
1/4" = 1'-0"

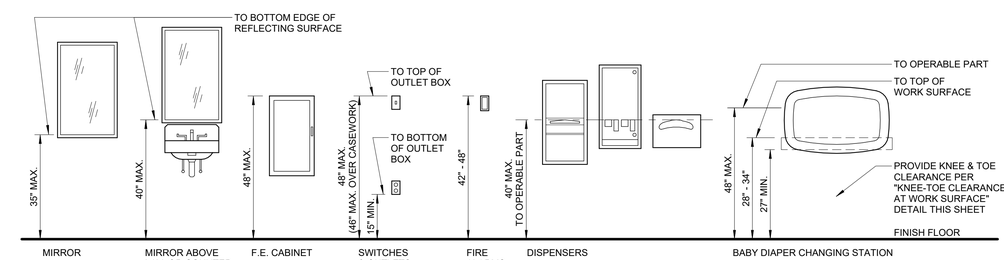
H TURNING SPACE
3/8" = 1'-0"



NOTE: CONTROLS SHALL NOT REQUIRE TIGHT GRASPING, TWISTING, PINCHING, OR MORE THAN 5 LBS. OF FORCE TO OPERATE

C ACCESSIBLE LAVATORY
1/2" = 1'-0"

R ILLUMINATED EXIT SIGNS
1/4" = 1'-0"



J MOUNTING HEIGHTS
1/2" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

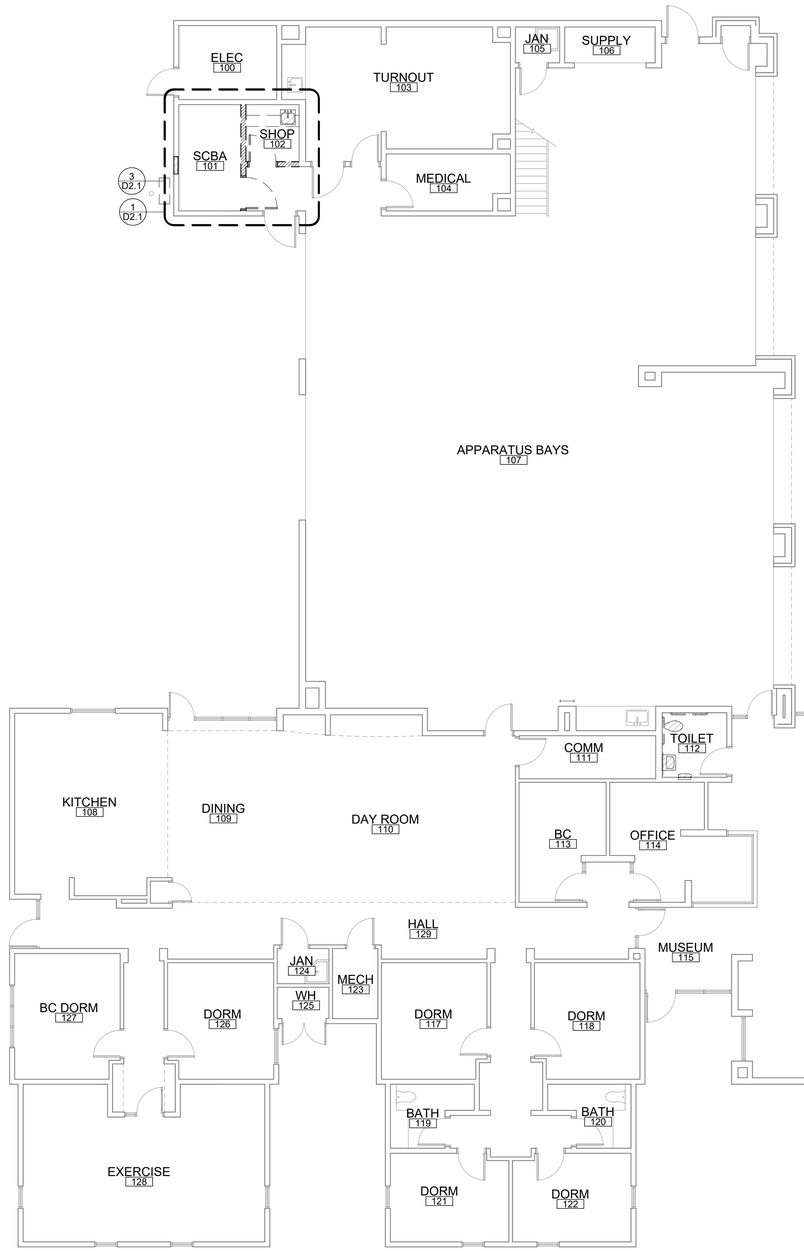
PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
1	02.18.25	Plan Check #1

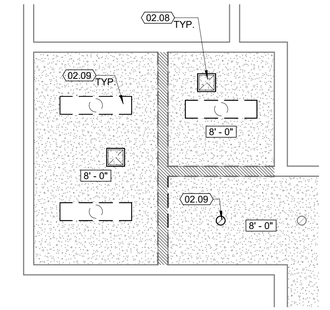
BUILDING ACCESSIBILITY DETAILS

T3.2
1

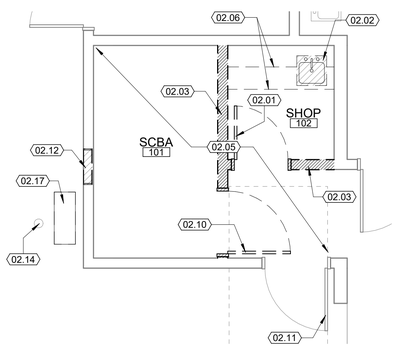
3/4/2025 11:43:38 AM



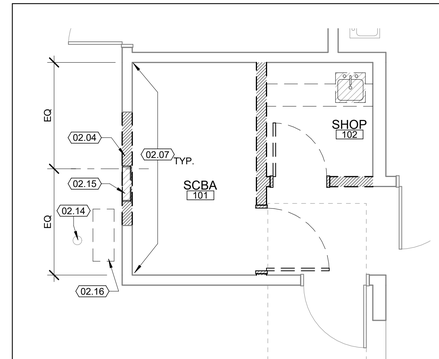
DEMOLITION FLOOR PLAN
1/8" = 1'-0"



2 DEMOLITION CEILING PLAN
1/4" = 1'-0"



1 ENLARGED DEMO FLOOR PLAN
1/4" = 1'-0"



3 BID ALT 1 - ENLRGD DEMO FLR. PLAN
1/4" = 1'-0"

LEGEND

WALL TO REMAIN

WALL TO BE REMOVED

DOOR, FRAME, AND HARDWARE TO BE REMOVED

GENERAL NOTES

1. ALL ITEMS IDENTIFIED TO BE DEMOLISHED OR REMOVED SHALL MEAN THAT THE SUBJECT ITEM IS THE PROPERTY OF THE CONTRACTOR AND SHALL BE REMOVED FROM THE SITE AND RECYCLED, REUSED OR LEGALLY DISPOSED OF BY THE CONTRACTOR IN ACCORDANCE WITH THE CITY OF TURLOCK STANDARD SPECIFICATIONS SECTION 7-10: DISPOSAL OF MATERIALS OUTSIDE THE RIGHT OF WAY.
2. ALL ITEMS NOT IDENTIFIED TO BE DEMOLISHED OR REMOVED ARE EXISTING TO REMAIN. THE CONTRACTOR SHALL TAKE REQUIRED PRECAUTION TO PROTECT ALL EXISTING ITEMS.
3. A HAZARDOUS MATERIALS SURVEY HAS BEEN CONDUCTED ON THE PROPERTY AND HAS BEEN INCLUDED IN THE PROJECT SPECIFICATIONS FOR REFERENCE. ANY IDENTIFIED OR SUSPECT HAZARDOUS MATERIALS SHALL BE ABATED IN ACCORDANCE WITH SECTION 5.17: REMOVAL OF ASBESTOS AND HAZARDOUS SUNSTANCES IN THE SPECIAL PROVISIONS.
4. REFER TO MECHANICAL, PLUMBING, AND ELECTRICAL DRAWINGS FOR ADDITIONAL DEMOLITION INFORMATION. MECHANICAL GRILLES, PLUMBING FIXTURES, AND ELECTRICAL FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY.
5. **ANNUNCIATION SPEAKER SYSTEM TO REMAIN ACTIVE DURING CONSTUCTION.**

KEYNOTES

02.01	REMOVE DOOR, FRAME, AND HARDWARE
02.02	REMOVE LAVATORY & CAP OUTPIPES - REF. PLUMBING DWGS.
02.03	FRAMED WALL TO BE REMOVED FULL HEIGHT
02.04	REMOVE PORTION OF WALL TO CREATE NEW OPENING - SHORE AS REQ'D TO ACCOMMODATE DEMOLITION
02.05	REMOVE FINISH FLOORING AND (E) CERAMIC TILE WALL BASE THROUGHOUT
02.06	DEMO & REMOVE (E) COUNTERTOP & UPPER CABINETS
02.07	REMOVE INTERIOR GYP. WALLBOARD- ENTIRE WALL
02.08	DEMO & REMOVE MECHANICAL EQUIP.- REF MECH. DWGS.
02.09	DEMO & REMOVE LIGHT FIXTURE
02.10	RELOCATE EXISTING DOOR PER IMPROVEMENT PLAN. REMOVE EXISTING DOOR FRAME
02.11	EXISTING DOOR TO REMAIN
02.12	REMOVE AND DISCARD WALL LOUVER- OPENING TO REMAIN
02.14	BOLLARD TO REMAIN
02.15	REMOVE AND DISCARD WALL LOUVER
02.16	REMOVE CONDENSER UNIT
02.17	(E) CONSENDER UNIT TO REMAIN

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31,
SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

DEMOLITION PLANS

D2.1

3/4/2025 11:43:39 AM

INTERIOR WALL SCHEDULE

NO.	CORE	INSUL.	WALLBOARD	EXTENT	DETAILS	
					HEAD	SILL
1	2x6 D.F. STUDS @ 16" O.C.	ACOUST. F.G. BATT.	5/8" GYP. BD. BOTH SIDES [1][2]	CORE, INSUL. & WALLBD. ONE SIDE TO UNDERSIDE OF ROOF DECK; WALLBD. ONE SIDE TO 6" ABOVE FINISH CEILING	D / A8.1	C / A8.1

[1] INTERIOR SHEAR PLY NOT INDICATED - COORDINATE LOCATIONS w/ STRUCTURAL DRAWINGS
[2] PROVIDE MOISTURE-RESISTANT GYP. BD. AT ALL WET LOCATIONS AND/OR TO RECEIVE WALL TILE - REF. A10.1
[3] MINIMUM SIZE, GAUGE, AND SPACING INDICATED - COORDINATE ADDITIONAL REQUIREMENTS AS SPECIFIED PER STRUCT. DWGS.

LEGEND

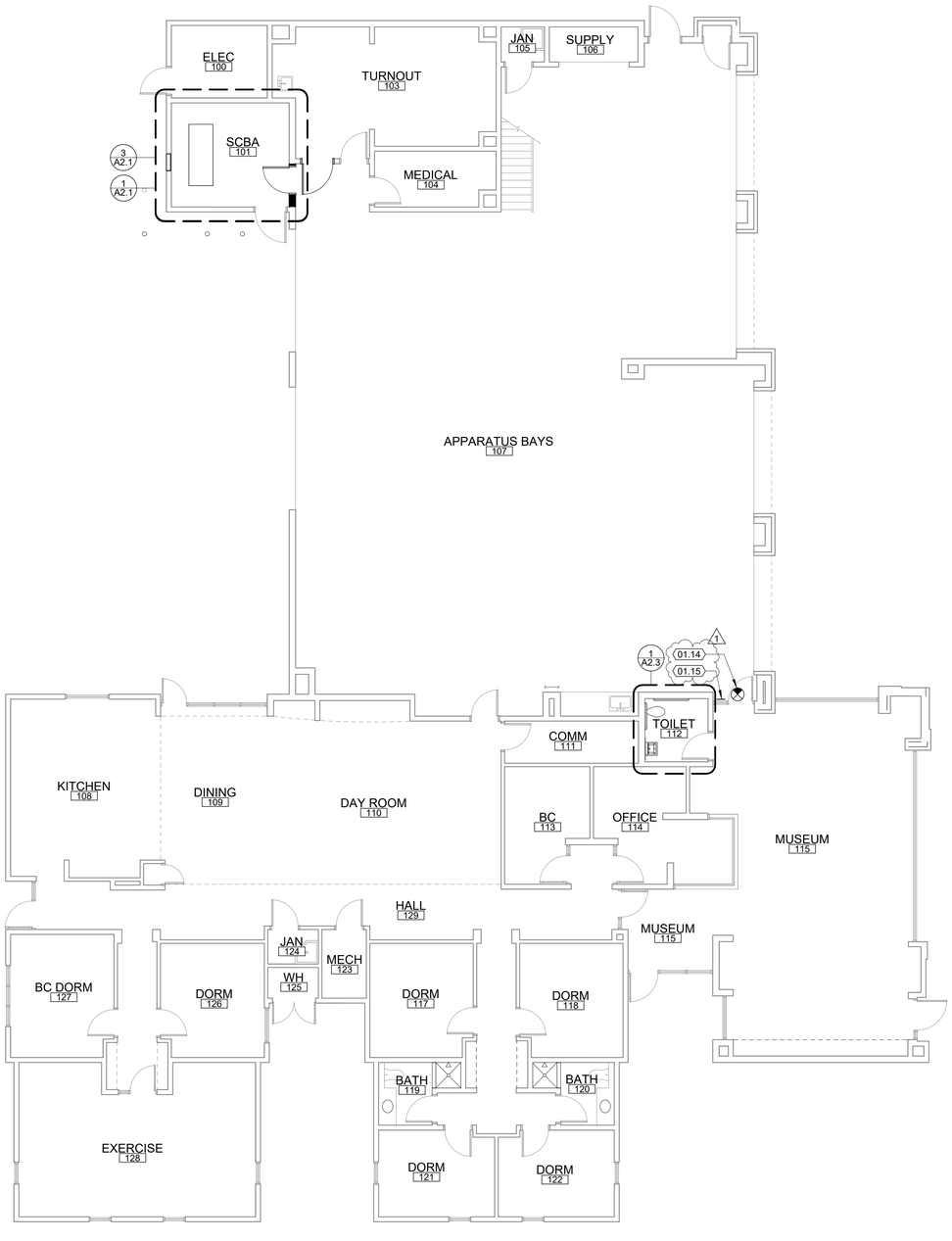
- EXISTING WALL TO REMAIN
- NEW WALL
- 1 — INTERIOR WALL TYPE - REF. SCHEDULE THIS SHEET
- 101.1 — DOOR NUMBER - REF. A8.1 FOR SCHEDULE
- ALIGN ADJACENT FINISH SURFACES
- CENTERLINE DESIGNATION
- 5/8" GYP. BD. ov/ JOISTS, PER CEILING FRAMING SCHEDULE
- 12' - 0" — CEILING HEIGHT ABOVE FINISH FLOOR LEVEL
- SURFACE-MOUNTED LIGHT FIXTURE
- SUPPLY AIR GRILLE
- RETURN AIR GRILLE
- EXHAUST GRILLE
- ILLUMINATED EXIT SIGN

GENERAL NOTES

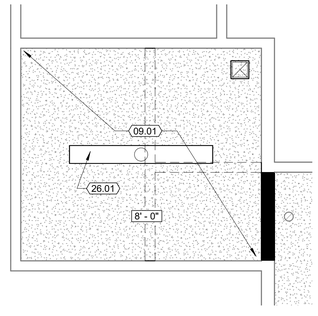
1. GRID LINES ARE TO FACE OF STUD, U.O.N.
2. DIMENSIONS SHOWN ARE TO FACE OF STUD, U.O.N.
   - DIMENSIONS NOTED "CLR." ARE TO FACE OF FINISH
3. PLUMBING FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO PLUMBING DRAWINGS FOR FIXTURE SPECIFICATIONS.
4. MECHANICAL GRILLES AND ELECTRICAL FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY. REFER TO MECHANICAL AND ELECTRICAL SHEETS FOR MORE INFORMATION.

KEYNOTES

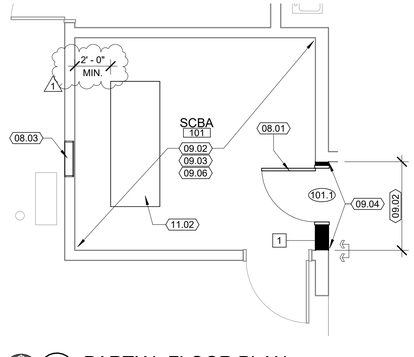
01.14 (N) PHOTO-LUMINESCENT SIGN - SEE DETAIL R/T3.2
01.15 (N) TACTILE SIGN - SEE DETAIL P/T3.2
08.01 RELOCATED DOOR- REFER TO DOOR SCHEDULE FOR NEW HARDWARE
08.02 BID ALT. #1: NEW DOUBLE DOOR PER SCHEDULE
08.03 (N) WALL LOUVER IN (E) OPENING
09.01 PATCH & REPAIR (E) GYPSUM BOARD CEILING TO MATCH (E) - REFER TO SPECIFICATIONS
09.02 (N) WALL BASE- REF. FINISH SCHEDULE A8.1
09.03 REPAIR, PREP, AND CLEAN CONCRETE SLAB SURFACE IN ACCORDANCE WITH SEALER MANUFACTURERE'S REQUIREMENTS
09.04 PATCH CERAMIC TILE BASE TO MATCH (E) ADJACENT BASE
09.05 INSTALL, FINISH AND PAINT (N) 5/8" GYP. WALLBOARD ov/ (N) SHEAR PLY PER STRUCT. (ENTIRE WALL)
09.06 PATCH (E) GYPSUM BD. AS REQ. TO CREATE A UNIFORM WALL SURFACE THROUGHOUT. PAINT ENTIRE SURFACE OF ALL WALLS, CELINGS, DOOR & DOOR FRAMES PER DOOR AND FINISH SCHEDULE - A8.1
11.01 (N) CONDENSOR UNIT - BID ALT 1
11.02 BAUER COMPRESSOR- OWNER'S VENDOR WILL DELIVER AND PLACE THE UNIT AND MAKE FINAL ELECTRICAL CONNECTIONS. CONTRACTOR SHALL ANCHOR UNIT PER STRUCTURAL PLANS.
11.03 (N) CONDENSOR UNIT - BID ALT 2
26.01 LIGHT FIXTURE - REF. ELECTRICAL DWGS.
32.10 (N) PIPE BOLLARD - REF. DETAIL L/A8.1. REVIEW LAYOUT OF CONDENSING UNITS AND BOLLARDS ON-SITE WITH CITY PROJECT MANAGER PRIOR TO PREP WORK



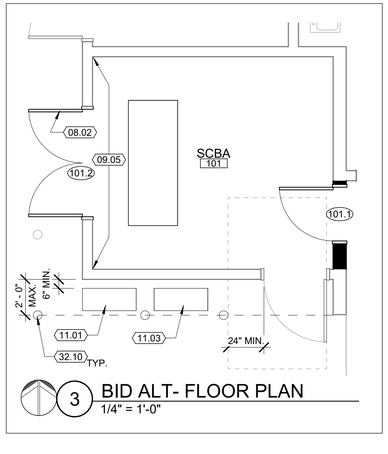
1/8" = 1'-0"
FLOOR PLAN



1/4" = 1'-0"
2 REFLECTED CEILING PLAN



1/4" = 1'-0"
1 PARTIAL FLOOR PLAN



1/4" = 1'-0"
3 BID ALT- FLOOR PLAN

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31,
SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

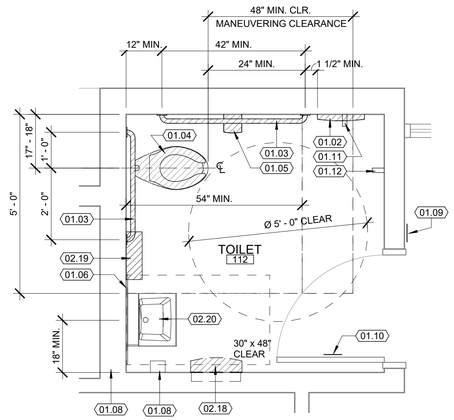
LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

REMODEL FLOOR PLANS

A2.1



1 ENLARGED TOILET FLOOR PLAN
1/2" = 1'-0"

LEGEND

ALIGN ADJACENT FINISH SURFACES

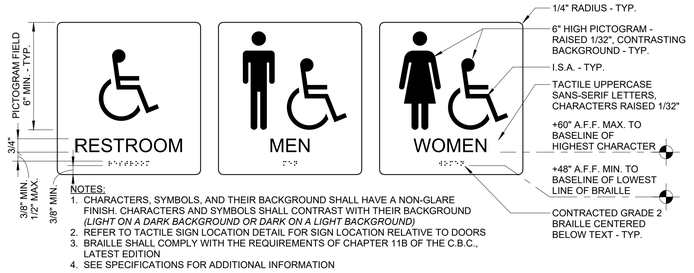
℄ CENTERLINE DESIGNATION

GENERAL NOTES

1. REFER TO SHEET T3.2 FOR MOUNTING HEIGHTS, CLEARANCES AND ADDITIONAL REQUIREMENTS FOR ACCESSIBILITY
2. PATCH HOLES IN (E) WALL TILE CAUSED BY IMPROVEMENT WORK WITH COLOR - MATCHED EPOXY FILLER
3. PLUMBING FIXTURES SHOWN FOR COORDINATION PURPOSES ONLY.

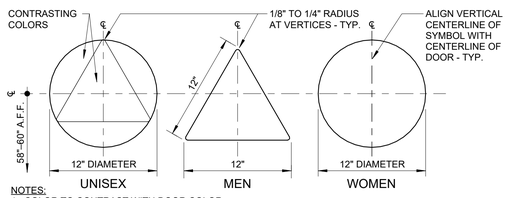
KEYNOTES

01.02 ADJUST (E) TOILET SEAT COVER DISPENSER TO COMPLY WITH MAX. MOUNTING HEIGHT PER DETAIL J/T3.2 AND LOCATION PER PLAN DIMENSIONS AND DETAIL A/T3.2
01.03 ADJUST (E) GRAB BAR TO COMPLY WITH MOUNTING HEIGHT REQUIREMENTS PER DETAIL J/T3.2 AND LOCATION PER PLAN DIMENSIONS AT DETAIL A/T3.2
01.04 SHIFT (E) WATER CLOSET APPROX. 1/2" SO THAT CENTERLINE OF FIXTURE IS 17" MIN. AND 18" MAX. FROM SIDEWALL. FIELD VERIFY EXISTING CONDITION
01.05 ADJUST (E) TOILET TISSUE DISPENSER PER DETAIL A/T3.2
01.06 LOWER (E) MIRROR SO THAT BOTTOM OF REFLECTING SURFACE IS 40" MAX. ABOVE FINISH FLOOR
01.08 ADJUST (E) SOAP DISPENSER TO COMPLY WITH MAX. MOUNTING HEIGHT PER DETAIL J/T3.2
01.09 (E) SIGN, ADJUST MOUNTING HEIGHT PER DETAIL A/A2.3
01.10 (E) SYMBOL, ADJUST MOUNTING HEIGHT PER DETAIL B/A2.3
01.11 (E) COAT HANGER TO REMAIN
01.12 PROVIDE & INSTALL (N) COAT HANGER 48" MAX. A.F.F.
02.18 PERMANENTLY REMOVE EXISTING PROTRUING WASTE BIN FROM (E) RECESSED PAPER TOWEL DISPENSER UNIT
02.19 REMOVE (E) PAPER TOWEL DISPENSER
02.20 (E) LAVATORY ENCROACHES INTO WATER CLOSET FIXTURE CLEARANCE. REMOVE (E) LAVATORY AND INSTALL NEW LAVATORY (WS BATH COLLECTIONS PLAIN 45W MODEL OR EQUIVALENT 17.5" MAX. SIDE TO SIDE WIDTH AND ADA COMPLIANT). REMOVE AND REPLACE IN-WALL CARRIER AND PROVIDE ADDITIONAL FRAMING/BLOCKING AS REQ'D. MOUNT LAVATORY PER DETAIL C/T3.2 AND PROVIDED DIMENSIONS. CONNECT TO EXISTING PLUMBING; INSULATED EXPOSED PIPES. PROVIDE LEVER-STYLE FAUCET TRIM. PATCH, REPAIR, AND REPLACE WALLBOARD AND WALL TILE AS REQ'D.



NOTES:
1. CHARACTERS, SYMBOLS, AND THEIR BACKGROUND SHALL HAVE A NON-GLARE FINISH. CHARACTERS AND SYMBOLS SHALL CONTRAST WITH THEIR BACKGROUND *(LIGHT ON A DARK BACKGROUND OR DARK ON A LIGHT BACKGROUND)*
2. REFER TO TACTILE SIGN LOCATION DETAIL FOR SIGN LOCATION RELATIVE TO DOORS
3. BRAILLE SHALL COMPLY WITH THE REQUIREMENTS OF CHAPTER 11B OF THE C.B.C., LATEST EDITION
4. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION

A RESTROOM IDENTIFICATION WALL SIGNAGE
3" = 1'-0"



NOTES:
1. COLOR TO CONTRAST WITH DOOR COLOR
2. NO PICTOGRAM REQUIRED
3. NO BRAILLE OR TEXT ON THIS SIGN
4. EDGES OF GEOMETRIC SYMBOLS SHALL BE EASED OR ROUNDED AT 1/16" MIN. OR CHAMFERED AT 1/8" MAX.

B RESTROOM GEOMETRIC DOOR SYMBOLS
1 1/2" = 1'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

ENLARGED FLOOR PLAN + INTERIOR ELEVATIONS

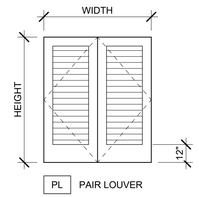
A2.3
1

3/4/2025 11:43:40 AM

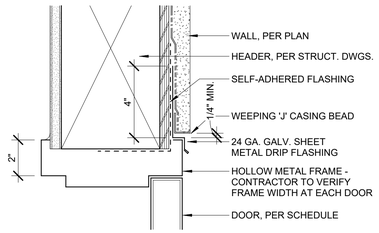
BID ALT- DOOR SCHEDULE

NO.	HDWR SET	SIZE		PANEL						FRAME			DETAILS			COMMENTS
		WIDTH	HEIGHT	TYPE	THK	MATERIAL	GLASS	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEAD	JAMB	THD.	
101.2	2	6' - 0"	7' - 0"	PL	1 3/4"	H.M.	-	PAINT	P2	H.M.	PAINT	P2	G	J	K	

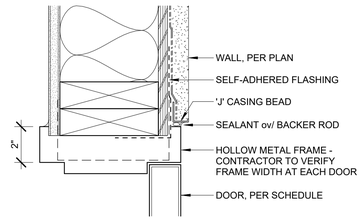
BID ALT- DOOR PANEL TYPE



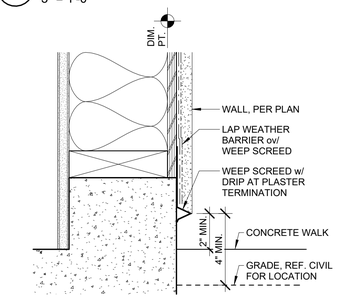
PL PAIR LOUVER



G H.M. DOOR HEAD @ PLASTER
3" = 1'-0"



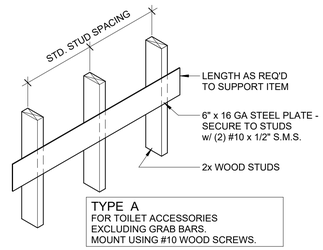
J H.M. DOOR JAMB @ PLASTER
3" = 1'-0"



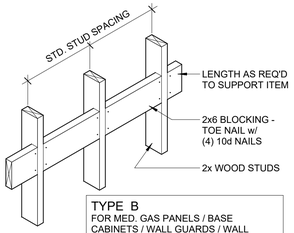
K PLASTER WEEP SCREED @ CONC. CURB
3" = 1'-0"

BASE BID- DOOR SCHEDULE

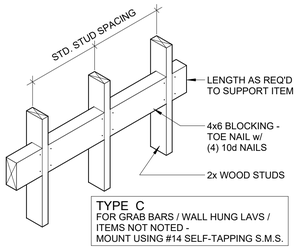
NO.	HDWR SET	SIZE		PANEL						FRAME			DETAILS			COMMENTS
		WIDTH	HEIGHT	TYPE	THK	MATERIAL	GLASS	FINISH	COLOR	MATERIAL	FINISH	COLOR	HEAD	JAMB	THD.	
101.1	1	3' - 0"	7' - 0"	(E) RELOCATED H.M. DOOR			-	PAINT	P2	H.M.	PAINT	P2	A	B		PROVIDE (N) DOOR HARDWARE PER SPEC



TYPE A
FOR TOILET ACCESSORIES EXCLUDING GRAB BARS.
MOUNT USING #10 WOOD SCREWS.

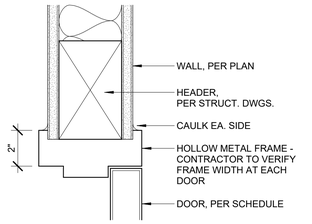


TYPE B
FOR MED. GAS PANELS / BASE CABINETS / WALL GUARDS / WALL HUNG CABINETS / WALL HUNG EQUIP.
MOUNT USING #12 WOOD SCREWS.

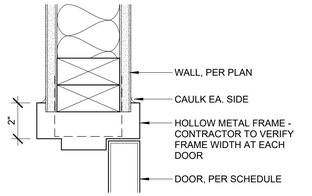


TYPE C
FOR GRAB BARS / WALL HUNG LAVS / ITEMS NOT NOTED -
MOUNT USING #14 SELF-TAPPING S.M.S.

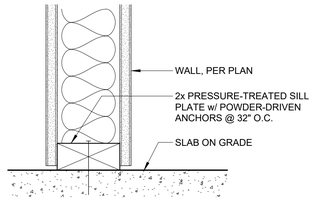
F TYP. BACKING PLATES
1/4" = 1'-0"



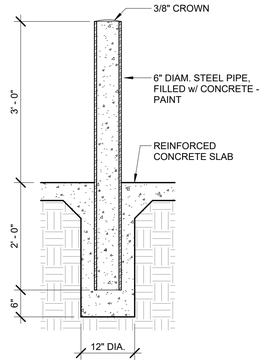
A INT. H.M. DOOR HEAD
3" = 1'-0"



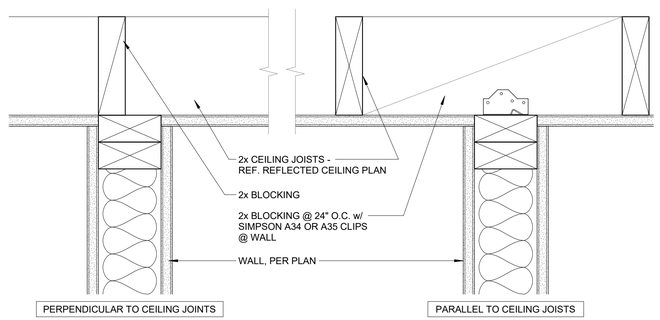
B INT. H.M. DOOR JAMB
3" = 1'-0"



C WALL SILL PLATE
3" = 1'-0"



L BOLLARD
3/4" = 1'-0"



D WALL HEAD @ CEILING FRAMING
3" = 1'-0"

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FINISHES FLOOR	BASE	WALL	CEILING	COMMENTS
101	SCBA	SC1	B1	P1	P1	

FINISHES LEGEND

FLOORING
SC1 - SEALED CONCRETE- CLEAR SEAL

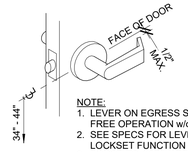
BASE
B1 - ROPPE RUBBER BASE, 4" COVE WITH TOE
BROWN

PAINT
P1 - *INTERIOR WALLS & CEILING*
MATCH (E) DUNN-EDWARDS

P2 - *HOLLOW METAL DOORS AND FRAMES*
MATCH (E) DUNN-EDWARDS

GENERAL NOTES

1. MAXIMUM VERTICAL OFFSET AT DOOR THRESHOLD SHALL BE 1/4" VERTICAL OR 1/2" IF BEVELED - REFER TO THRESHOLD DETAIL(S).
2. ALL DOORS THAT ARE PART OF THE MEANS OF EGRESS SHALL BE EQUIPPED WITH HARDWARE THAT OPENS THE DOOR FROM THE INTERIOR WITHOUT SPECIAL KNOWLEDGE, EFFORT, OR A KEY.
3. MAXIMUM DOOR OPENING EFFORT SHALL BE 5# AT NON-RATED DOORS AND 15# AT FIRE RATED DOORS.
4. ALL FIRE RATED DOORS SHALL BE SELF-CLOSING, SELF-LATCHING, LISTED AND LABELED BY TESTING AGENCY, AND SHALL HAVE SMOKE SEALS. EXIT DEVICES ON FIRE RATED DOORS SHALL BE FIRE RATED WITHOUT DOGGING CAPABILITY.
5. SEE SPECIFICATIONS FOR DOOR HARDWARE SETS AND PRODUCTS.
6. ALL GLASS IN DOOR PANELS TO BE TEMPERED.
7. ALL GLAZING MATERIAL IN FIRE RATED DOOR ASSEMBLIES SHALL BE TESTED IN ACCORDANCE WITH NFPA 257 OR UL 9, INCLUDING THE HOSE STREAM TEST (GLAZING IN 20-MINUTE FIRE DOOR ASSEMBLIES SHALL BE EXEMPT FROM THE HOSE STREAM TEST).
8. REFER TO SHEET A8.1 FOR FINISH CODE LEGEND
9. SCHEDULED DETAILS REFER TO DETAILS ON THIS SHEET U.O.N.
10. OPERATING HARDWARE FOR LOCKSETS/LATCHSETS SHALL BE LEVER TYPE:



NOTE:
1. LEVER ON EGRESS SIDE SHALL PROVIDE FREE OPERATION w/o USE OF KEY
2. SEE SPECS FOR LEVER TYPE AND LOCKSET FUNCTION
3. FORCE TO ACTIVATE OPERABLE PARTS SHALL BE 5 POUNDS MAX.

PRODUCT & MATERIAL REQUIREMENTS FOR INDOOR POLLUTANT CONTROL

1. ALL MATERIALS, ADHESIVES, COATINGS, AND SEALANTS SHALL COMPLY WITH V.O.C. LIMITATIONS SET FORTH BY THE LOCAL AIR POLLUTION CONTROL DISTRICT OR CALIFORNIA CODE OF REGULATIONS TITLE 24, PART 11 (CALGREEN BUILDING STANDARDS), WHICHEVER IS MORE RESTRICTIVE.
2. ALL CARPET MATERIALS SHALL MEET THE TESTING AND PRODUCT REQUIREMENTS OF THE CARPET & RUG INSTITUTE'S GREEN LABEL PLUS PROGRAM OR EQUIVALENT CRITERIA SET FORTH IN CALIFORNIA CALGREEN BUILDING STANDARDS.
3. A MINIMUM OF 50% OF RESILIENT FLOORING SHALL COMPLY WITH THE V.O.C. EMISSION LIMITS DEFINED IN 2009 COLLABORATIVE FOR HIGH PERFORMANCE SCHOOLS (CHPS) CRITERIA AND LISTED ON ITS LOW-EMITTING MATERIALS LIST OR CERTIFIED UNDER THE RESILIENT FLOOR COVERING INSTITUTE FLOORSCORE PROGRAM.
4. ALL HARDWOOD COMPOSITE WOOD PRODUCTS (PLYWOOD, PARTICLEBOARD, AND MEDIUM DENSITY FIBERBOARD) SHALL MEET THE MAXIMUM FORMALDEHYDE EMISSIONS LIMITATIONS AS SPECIFIED IN ARB'S AIR TOXIC CONTROL MEASURE FOR COMPOSITE WOOD (17 CCR 93120 ET SEQ.) BY THE DATES SPECIFIED IN THOSE SECTIONS.
5. ARCHITECT HAS MADE EVERY REASONABLE ATTEMPT TO CONFIRM THAT PRODUCTS SPECIFIED IN THESE DOCUMENTS COMPLY WITH ABOVE-LISTED REQUIREMENTS. IT IS THE RESPONSIBILITY OF THE SUBCONTRACTOR, VENDOR, AND/OR MANUFACTURER TO NOTIFY THE ARCHITECT THROUGH THE GENERAL CONTRACTOR OF ANY NON-COMPLIANT PRODUCT OR MATERIAL SPECIFIED BY THE ARCHITECT PRIOR TO BID DUE DATE.
6. CONTRACTOR SHALL PROVIDE PRODUCT/MATERIAL COMPLIANCE DOCUMENTATION WITH SUBMITTAL DOCUMENTS AS REQUIRED BY SPECIFICATION SECTION 013323. CONTRACTOR SHALL SUBMIT COMPLIANCE DOCUMENTATION TO THE JURISDICTION HAVING AUTHORITY UPON ACCEPTANCE BY ARCHITECT.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

DOOR, FINISH SCHEDULE & DETAILS

A8.1

[redacted]

3/4/2025 11:43:41 AM

010000 – GENERAL REQUIREMENTS

1. SUMMARY: This Section describes general requirements that pertain to each Section of these Specifications.
2. COORDINATION OF DOCUMENTS: Documents affecting all Work in this contract and each Section of these Specifications include, but are not limited to, Sections in Division One of these Specifications, the General Conditions of the Contract and the Supplementary Conditions. These documents must be read with the other Contract Documents and Sections of this Specification as a whole to complete the intent of the contract. Sections in Division One of these Specifications contain obligations for Work of remaining Sections and must be read with all Sections to identify all the requirements of each Section. The layout of materials, equipment and systems is generally diagrammatic, unless specific dimensions are indicated. Some work may be shown offset for clarity. The actual location of all materials and systems above and below the ceiling, including but not limited to, piping, ductwork, fixtures, equipment, supports, conduit, suspension wires, ceiling grids and panels, etc., shall be carefully planned and coordinated by the General Contractor prior to installation of any work. The General Contractor shall be responsible for coordinating the architectural, structural, plumbing, mechanical, electrical, and/or other elements of the work.
3. RELATED WORK BETWEEN SECTIONS: This Contract may require several trades to complete the finished intent of the Work. Coordinate the various trades and pertinent sections of these Specifications with the Drawings to ensure proper and timely completion of the Work.
4. QUALITY ASSURANCE: For all Sections of Work in these Specifications and for all tasks and obligations of the Contract, provide skilled work persons thoroughly trained and experienced in the types of construction methods and techniques in each trade required to complete the Work, and who shall be present at all times during the progress of the Work of each trade. No exception will be made to Contractor nor acceptance given to unacceptable work caused by lack of skill, inappropriate methods or lack of due care in craftsmanship. The level of performance shall, at a minimum, meet or exceed the level of performance set by a regionally or nationally recognized association that produces, publishes, and enforces industry standards for that trade or craft, unless a higher level of performance is specified herein. All such unacceptable work shall be replaced by the Contractor in a good craftsman-like manner at no additional expense to the Owner.
5. CODES AND STANDARDS: All Work of this contract shall conform to the latest edition of all pertinent codes and regulations governing the completion of the Work. Trade association publications and industry standards as published by recognized bodies within each trade shall be references for conducting Work and in inspection of the quality of Work in each Section of these Specifications. See Section 014200 – References.
6. CUTTING AND PATCHING: Provide required protection including, but not necessarily limited to, shoring, bracing, and support to maintain structural integrity of the Work. Perform cutting and demolition by methods which will prevent damage to other portions of the Work and provide proper surfaces to receive installation of repair and new work. Perform fitting and adjusting of products to provide finished installation complying with the specified tolerances and finishes.
7. SURFACE CONDITIONS: Prior to commencement of Work in any trade, carefully inspect the installed Work of all other trades and verify that all such Work is complete to the point where subsequent Work may properly commence. Verify the Work to be performed may be installed in strict accordance with all pertinent codes and regulations, the original design, addendum and change orders, approved shop drawings and manufacturers' literature.
8. DISCREPANCIES: In the event of discrepancies in any area of Work, immediately notify the Architect. Do not proceed with installation until all such discrepancies have been fully resolved.
9. PERMITS: The Contractor shall obtain the Building and Fire Sprinkler permits from the governing jurisdictions. The Owner will pay for all required permits.
10. FIELD CONDITION VERIFICATION: The Contractor shall field verify existing field conditions and accept them as conditions of this scope of work.
11. WORK RESTRICTIONS:
    a. COMMON AREAS: All "common" areas impacted by this scope of work shall be left in the same condition as prior to work commencing. This shall include but not be limited to cleaning and repairing finishes damaged or soiled in executing this Contract.
    b. COORDINATION WITH OWNER: All work is to be scheduled with the Project Manager including construction access and storage. The Construction Schedule procedure shall be approved by the Project Manager prior to Start of Construction. No work shall commence at project site prior to the issuance and posting of a building permit.
    c. FACILITY UTILITIES: The Contractor shall make every effort to keep the existing facility utilities in operation. The Contractor shall notify the Owner a minimum of 48 hours in advance for allowance of disruption in services. Disruption in services shall only be at the Owner's discretion.
    d. FACILITY DAMAGE: It shall be the Contractor's responsibility to repair or replace any existing items or surfaces that are damaged during the construction. They shall be restored to original condition or finished to match adjacent surfaces at no additional cost to the Owner.
    e. BUILDING DUST CONTROL: The Contractor shall provide and install temporary dust proof partitions to provide positive protection for any unaffected areas that are adjacent to any areas requiring demolition work. The Owner shall establish the time at which the partitions may be installed, and the contractor shall not remove any of the partitions without approval from the Owner and the Architect.
    f. BUILDING SECURITY: The Contractor shall be responsible for maintaining the building in a secured condition in the area that is involved in this work at all times during the construction.
12. ABESTOS MATERIALS: All work on this project has the potential to disturb asbestos. General Contractor and all subcontractors may disturb only those materials listed as "None Detected" or "Non-Suspect" in the Asbestos Inspection Report. All work that will impact any materials not previously proven to be asbestos free must be conducted by the abatement contractor or have the asbestos-containing materials removed by the abatement contractor prior to the work taking place. Contractors that inappropriately disturb asbestos-containing materials during the course of this project will be responsible for the cost of clean-up, containment and repair / replacement of the disturbed materials. Contractors that inappropriately disturb asbestos-containing materials on this project will also be responsible for delays to the project caused by the disturbance and the correction of the situation.
13. SEPARATE CONTRACTORS: If any part of this Contractor's work depends upon the work of a separate Contractor, this Contractor shall inspect such other work and promptly report in writing to the Architect any defects in such other work that render it unsuitable to receive the work of this Contractor. Failure of this Contractor to so inspect and report shall constitute an acceptance of the other Contractor's work, except as to defects which may develop in other Contractor's work after execution of this Contractor's work.
14. CONSTRUCTION LIMITS: Contractor and Subcontractor work shall be confined within the areas designated as Construction Limits. The Construction Limits shall be set by the Project Manager, and it shall be the responsibility of the General Contractor and Subcontractors to verify and follow these limits. The Contractor shall meet with the Project Manager prior to the beginning of the work to establish storage areas for materials and equipment, and access routes for delivery and removal of materials, supplies, equipment, etc. that are required for this work.
15. COMPLETENESS OF WORK: It is the intent of the contract documents that the Contractor shall turn over to the Owner a complete project. Any work not specifically called for or specified but required to comply with the intent of quality and complete, shall be performed as part of the contract.
16. ENCLOSING OF WORK: Do not allow or cause any of the work performed or installed to be covered up or enclosed by work of this Section prior to all required inspections, tests and approvals. Should any of the work be so enclosed or covered up before it has been approved, uncover all such work at no additional cost to the Owner. After the work has been completely inspected, tested and approved, make all repairs and replacements necessary to restore the work to the condition in which it was found at the time of uncovering, all at no additional cost to the Owner.

012300 - ALTERNATES

1. SUMMARY: To compare total costs where alternate materials and methods might be used, alternatives have been established for the Work.
2. ALTERNATES: Refer to Drawing Title Sheet for Bid Alternates.
3. ADVANCED COORDINATION: Immediately after award of Contract advise all necessary personnel and suppliers as to the nature and extent of alternatives selected by the Owner. Alert personnel and suppliers involved as to all changes in the Work caused by the Owner's selection of alternatives.

024119 – SELECTIVE DEMOLITION

1. SUMMARY: Demolish and remove from the site those items so indicated on the Drawings.
2. GENERAL REQUIREMENTS: This Section shall be performed in accordance with the General Conditions, Supplementary Conditions and all Sections in Division 1 of these Specifications. These documents must be read with the other Contract Documents and Sections as a whole to complete the intent of the contract.
3. SECTION REQUIREMENTS: Demolished material shall be considered the property of the Contractor and shall be completely removed from the job site. Items indicated on the Drawings to be removed and salvaged remain Owner's property. Remove, clean and deliver to Owner's designated storage area. Comply with EPA regulations and hauling and disposal regulations of authorities having jurisdiction. Owner will occupy portions of building immediately adjacent to selective demolition area. Conduct selective demolition so Owner's operations will not be disrupted.
4. EXISTING CONDITIONS: Prior to all work of this Section, examine the areas and conditions under which work will be performed. If conditions detrimental to timely and proper completion of the work exist, notify the Architect. Do not proceed until unsatisfactory conditions are corrected. In company with the Project Manager, visit the site and verify the extent and location of selective demolition required. Carefully identify limits of selective demolition. Mark interface surfaces as required to enable workmen also to identify items to be removed and items to be left in place intact. By careful study of the Contract Documents, determine the location and extent of selective demolition to be performed. The Drawings do not purport to show all objects existing on the site or in the building.
5. DEMOLITION: Maintain services / systems indicated to remain and protect them against damage during selective demolition operations. Before proceeding with demolition, provide temporary services / systems that bypass area of selective demolition and that maintain continuity of services / systems to other parts of the building. Locate, identify, shut off, disconnect and cap off utility services and mechanical / electrical systems serving areas to be selectively demolished. Provide temporary barricades and other protection required to prevent injury to people and damage to adjacent buildings and facilities to remain. Provide and maintain shoring, bracing and structural supports as required to preserve stability and prevent movement, settlement, or collapse of construction and finishes to remain or construction being demolished. Provide temporary weather protection to prevent water leakage and damage to structure and interior areas. Protect walls, ceilings, floors and other existing finish work that are to remain. Erect and maintain dustproof partitions. Cover and protect furniture, furnishings and equipment that have not been removed. Neatly cut openings and holes plumb, square and true to dimensions required. Use cutting methods least likely to damage construction to remain or adjoining construction. Promptly removed demolished materials from Owner's property and legally dispose of them. Do not burn demolished materials.
6. REPLACEMENT: In the event of demolition of items not so scheduled to be demolished, promptly replace such items to the approval of the Architect and at no additional cost to the Owner.

079200 – JOINT SEALANTS

1. SUMMARY: Provide a positive barrier against penetration of air and moisture at joints between items where sealing is essential to continued integrity of the barrier. Such sealing will normally be performed under the work of various Sections of these Specifications but shall be performed in strict accordance with the provisions of this Section. Install as shown on the Drawings and specified herein.
2. AIR POLLUTANT CONTROL REQUIREMENTS: Per Section 5.504.4.1 of the 2013 California Green Building Standards Code, sealants and caulks used on the project shall meet the requirements of the following standards: Sealants, sealant primers and caulks shall comply with local or regional air pollution control or air quality management district rules where applicable, or SCAQMD Rule 1168 VOC limits, as shown in Table 5.504.4.2 of the 2013 California Green Building Standards Code. Such products also shall comply with the Rule 1168 prohibition on the use of certain toxic compounds (chloroform, ethylene dichloride, methylene, chloride, perchloroethylene and trichloroethylene).
3. SEALANT MATERIALS:
    a. Vertical Surfaces, Hybrid Sealant: MasterSeal NP 150 low-modulus, non-sag premium-grade elastomeric hybrid sealant by Master Builders Solutions (BASF Corporation), or equal. Color selected by architect.
    b. Horizontal Concrete Joints: MasterSeal SL2 two-component polyurethane sealant by Master Builders Solutions (BASF Corporation), or equal. Color selected by architect.
    c. Backing Material: Cylindrical sealant backings: ASTM C1330, type as recommended in writing by sealant manufacturer for joint application indicated and of size and density to control sealant depth and otherwise contribute to producing optimum sealant performance. Bond breaker tape: Polyethylene tape or other plastic tape recommended by sealant manufacturer.
4. SEALANT EQUIPMENT: All equipment shall be only such equipment as is specifically recommended by the manufacturer of the sealant material being installed.
5. CHOICE OF SEALANT MATERIAL: Use only that sealant material which is best suited to the installation and is so recommended by the sealant material manufacturer.
6. GENERAL: Comply with joint sealant manufacturer's printed installation instructions applicable to products and applications indicated, except where more stringent requirements apply.
7. BACK-UP MATERIALS: General: All joints over 3/8" wide shall have back-up filler. Verify the compatibility of filler material with sealant before installation. Use back-up filler about 1/3 to 1/2 wider than width of joint so sufficient pressure is exerted by filler to provide substantial resistance to displacement. Acceptable materials: All filler materials shall be non-oily, non-staining back-up filler such as polyethylene foam rod, expanded polyurethane, neoprene, or other filler completely compatible with the sealant material.
8. APPLICATION OF SEALANT:
    a. General: Do not seal under weather conditions or sun conditions potentially harmful to the set and curing of the sealant material.
    b. Preparation: Clean joint surfaces immediately before installation of sealant. Remove dirt, insecure coatings, moisture and other substances which could interfere with bond of sealant. Etch concrete and masonry joint surfaces as recommended by sealant manufacturer. Roughen vitreous and glazed joint surfaces as recommended by sealant manufacturer.
    c. Priming: Prime joint surfaces where recommended by sealant manufacturer. Do not allow primer to spill or migrate onto adjoining surfaces.
    d. Installation: Install sealant in strict accordance with the manufacturer's recommendations, taking care to produce beads of proper width and depth, tool as recommended by the manufacturer, and immediately remove all surplus sealant. Where an irregular surface or sensitive joint border exists apply masking tape at edges of joint to insure neatness and protection. Remove masking tape prior to sealant setting.
    e. Spillage: Do not allow sealants or primers to overflow or spill onto adjoining surfaces, or migrate into voids of adjoining surfaces. Clean adjoining surfaces by whatever means may be necessary to eliminate evidence of spillage.
9. SEALANT SCHEDULE: Carefully study the Drawings and furnish and install the proper sealant at each point where called for on the Drawings plus at all other points where sealing is essential in maintaining the continued integrity of the water-tight barrier including but not limited to: Exterior expansion and control joints. Exterior sills, jambs and heads of window frames, door frames, louvers and similar openings, and where metal, wood or other materials abut or join masonry, concrete or other materials. Exterior horizontal control and expansion joints in concrete slabs, masonry, precast paving units and tiles. Interior expansion and control joints. Interior horizontal control and expansion joints in concrete slabs and tile flooring.

081113 – HOLLOW METAL DOORS AND FRAMES

1. SUMMARY: Provide and install hollow metal doors, frames, and frame components such as sidelites and borrowed lites as shown on the Drawings and specified herein. Codes and References: ANSI/SDI A250.8 - Recommended Specifications for Standard Steel Doors and Frames. ANSI/SDI A250.4 - Test Procedure and Acceptance Criteria for Physical Endurance for Steel Doors, Frames, Frames Anchors and Hardware Reinforcing. ANSI/SDI A250.6 - Recommended Practice for Hardware Reinforcing on Standard Steel Doors and Frames. ANSI/SDI A250.10 - Test Procedure and Acceptance Criteria for Prime Painted Steel Surfaces for Steel Doors and Frames. ANSI/SDI A250.11 - Recommended Erection Instructions for Steel Frames. ASTM A1008 - Standard Specification for Steel Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy and High-Strength Low-Alloy with Improved Formability. ASTM A653 - Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process. ASTM A924 - Standard Specification for General Requirements for Steel Sheet, Metallic-Coated by the Hot-Dip Process. ASTM C 1363 - Standard Test Method for Thermal Performance of Building Assemblies by Means of a Hot Box Apparatus. ASTM E283 - Standard Test Method for Determining Rate of Air Leakage Through Exterior Doors Under Specified Pressure Differences Across the Specimens. ASTM E330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure Difference. ASTM E 413 - Classification for Rating Sound Insulation. ASTM E1332 - Standard Classification for Determination of Outdoor-Indoor Transmission Class. ANSI/NAAMM/HMMA 867-06 - Guide Specifications for Commercial Laminated Core Hollow Metal Doors and Frames. ANSI/BHMA A156.15 - Hardware Preparation in Steel Doors and Frames. ANSI/SDI 122 - Installation and Troubleshooting Guide for Standard Steel Doors and Frames. UL 1784 - Standard for Air Leakage Tests of Door Assemblies.
2. SUBMITTALS:
    a. Product Data: For each type of product indicated. Include construction details, material descriptions, core descriptions, hardware reinforcements, profiles, anchors, fire-resistance rating, and finishes.
    b. Shop Drawings: Include the following: Elevations of each door design. Details of doors, including vertical and horizontal edge details and metal thicknesses. Frame details for each frame type, including dimensioned profiles and metal thicknesses. Locations of reinforcement and preparations for hardware. Details of anchorages, joints, field splices, and connections. Details of accessories. Details of moldings, removable stops, and glazing. Details of conduit and preparations for power, signal, and control systems.
3. QUALITY ASSURANCE:
    a. Source Limitations: Obtain hollow metal doors and frames through one source from a single manufacturer wherever possible.
    b. Quality Standard: In addition to requirements specified, comply with ANSI/SDI A250.8, latest edition, "Recommended Specifications for Standard Steel Doors and Frames".
4. DELIVERY, STORAGE, AND HANDLING: Deliver hollow metal work palletized, wrapped, or crated to provide protection during transit and Project site storage. Do not use non-vented plastic. Deliver welded frames with two removable spreader bars across bottom of frames, tack welded to jambs and mullions. Store hollow metal work under cover at Project site. Place in stacks of five units maximum in a vertical position with heads up, spaced by blocking, on minimum 4-inch high wood blocking. Do not store in a manner that traps excess humidity. Provide minimum 1/4-inch space between each stacked door to permit air circulation. Door and frames to be stacked in a vertical upright position.
5. PROJECT CONDITIONS: Field Measurements: Verify actual dimensions of openings by field measurements before fabrication.
6. COORDINATION: Coordinate installation of anchorages for hollow metal frames. Furnish setting drawings, templates, and directions for installing anchorages, including sleeves, concrete inserts, anchor bolts, and items with integral anchors. Deliver such items to Project site in time for installation.
7. WARRANTY: Special Warranty: Manufacturer's standard form in which manufacturer agrees to repair or replace doors that fail in materials or workmanship within specified warranty period. Warranty includes installation and finishing that may be required due to repair or replacement of defective doors.
8. MANUFACTURERS: Manufacturers: Subject to compliance with requirements, provide products by one of the following: CECO Door Products, Curries Company, Security Metal Products.
9. MATERIALS: Cold-Rolled Steel Sheet: ASTM A 1008/A 1008M, Commercial Steel (CS), Type B; suitable for exposed applications. Metallic-Coated Steel Sheet: ASTM A 653/A 653M, Commercial Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating. Frame Anchors: ASTM A 653/A 653M, Commercial Steel (CS), Commercial Steel (CS), Type B; with minimum G60 (Z180) or A60 (ZF180) metallic coating.
10. STANDARD HOLLOW METAL DOORS:
    a. General: Provide 1-3/4-inch doors of design indicated, not less than thickness indicated; fabricated with smooth surfaces, without visible joints or seams on exposed faces unless otherwise indicated. Comply with ANSI/SDI A250.8.
    b. Exterior Doors: Face sheets fabricated of 16-gauge commercial quality hot-dipped zinc coated steel that complies with ASTM A 653/A 653M, Coating Designation A60. Provide doors complying with requirements indicated below by referencing ANSI/SDI A250.8 for level and model and ANSI/SDI A250.4 for physical performance level:
        i. Basis of Design: Flush panel; CECO Legion Services Full Flush Door.
        ii. Core Construction: Manufacturer's standard polystyrene. Where indicated, provide doors fabricated as thermal-rated assemblies with a minimum R-value of 2.8 or better.
        iii. Top and Bottom Edges: Reinforce tops and bottoms of doors with a continuous steel channel not less than 16 gauge, extending the full width of the door and welded to the face sheet. Doors with an inverted top channel to include a steel closure channel, screw attached, with the web of the channel flush with the face sheets of the door. Plastic or composite channel fillers are not acceptable.
        iv. Hinge Reinforcement: Minimum 7-gauge (3/16") plate 1-1/4" x 9" or minimum 14-gauge continuous channel with pierced holes, drilled and tapped.
        v. Hardware Reinforcements: Fabricate according to ANSI/SDI A250.6 with reinforcing plates from same material as door face sheets.
11. STANDARD HOLLOW METAL FRAMES:
    a. General: Comply with ANSI/SDI A250.8 and with details indicated for type and profile.
    b. Exterior Frames: Fabricated of 16 gauge hot-dipped zinc coated steel that complies with ASTM A 653/A 653M, Coating Designation A60. Fabricate frames with mitered or coped corners. Fabricate frames, with "closed and tight" miter seams continuously welded on face, finished smooth with no visible seam unless otherwise indicated. Manufacturers Basis of Design: CECO Door Products SQ/SU/SR Series. Curries Company M/G Series.
    c. Interior Frames: Fabricated from 16 gauge cold-rolled steel sheet that complies with ASTM A 1008/A 1008M. Fabricate frames with mitered or coped corners. Fabricate frames with "closed and tight" miter seams continuously welded on face, finished smooth with no visible seam unless otherwise indicated. Manufacturers Basis of Design: CECO Door Products BQ/BU Series (Drywall Profile, welded corners), Curries Company CM Series (Drywall Profile, welded corners).
    d. Hardware Reinforcement: Fabricate according to ANSI/SDI A250.6 with reinforcement plates of minimum steel thickness set forth in ANSI/SDI A250-6 Table 1
12. FRAME ANCHORS:
    a. Jamb Anchors: Stud Wall Type: Designed to engage stud and not less than 0.042 inch thick.
    b. Floor Anchors: Floor anchors to be provided at each jamb, formed from A60 metallic coated material, not less than 0.042 inches thick.
    c. Mortar Guards: Formed from same material as frames, not less than 0.016 inches thick.
13. LOUVERS:
    a. Metal Louvers: Door manufacturer's standard metal louvers unless otherwise indicated.
        i. Blade Type: Vision proof inverted V or inverted Y.
        ii. Metal and Finish: Galvanized steel, 0.040-inch-thick, factory primed for paint finish with baked enamel or powder coated finish. Match pre-finished door paint color where applicable.
14. FABRICATION: Fabricate hollow metal work to be rigid and free of defects, warp, or buckle. Accurately form metal to required sizes and profiles, with minimum radius for thickness of metal. Where practical, fit and assemble units in manufacturer's plant. When shipping limitations so dictate, frames for large openings are to be fabricated in sections for splicing or splining in the field by others.
    a. Tolerances: Fabricate hollow metal work to tolerances indicated in ANSI/SDI A250.8.
    b. Hollow Metal Doors:
        i. Exterior Doors: Provide optional weep-hole openings in bottom of exterior doors to permit moisture to escape where specified.
        ii. Glazed Lites: Factory cut openings in doors with applied trim or kits to fit. Factory install glazing where indicated.
        iii. Astragals: Provide overlapping astragals as noted in door hardware sets in Division 08 Section "Door Hardware" on one leaf of pairs of doors where required by NFPA 80 for fire-performance rating or where indicated. Extend minimum 3/4 inch beyond edge of door on which astragal is mounted.
        iv. Continuous Hinge Reinforcement: Provide welded continuous 12-gauge strap for continuous hinges specified in hardware sets in Division 08 Section "Door Hardware".
    c. Hollow Metal Frames:
        i. Shipping Limitations: Where frames are fabricated in sections due to shipping or handling limitations, provide alignment plates or angles at each joint, fabricated of same thickness metal as frames.
        ii. Welded Frames: Weld flush face joints continuously; grind, fill, dress, and make smooth, flush, and invisible. Welded frames are to be provided with two steel spreaders temporarily attached to the bottom of both jambs to serve as a brace during shipping and handling. Spreader bars are for bracing only and are not to be used to size the frame opening.
        iii. Sidelight and Transom Bar Frames: Provide closed tubular members with no visible face seams or joints, fabricated from same material as door frame. Fasten members at crossings and to jambs by butt welding.
        iv. High Frequency Hinge Reinforcement: Provide high frequency hinge reinforcements at door openings 48-inches and wider with mortise butt type hinges at top hinge location.
        v. Welded frames are to be provided with two steel spreaders temporarily attached to the bottom of both jambs to serve as a brace during shipping and handling. Spreader bars are for bracing only and are not to be used to size the frame opening".
        vi. Provide countersunk, flat- or oval-head exposed screws and bolts for exposed fasteners unless otherwise indicated for removable stops, provide security screws at exterior locations.
        vii. Mortar Guards: Provide guard boxes at back of hardware mortises in frames at all hinges and strike preps regardless of grouting requirements.
        viii. Floor Anchors: Weld anchors to bottom of jambs and mullions with at least four spot welds per anchor.
        ix. Jamb Anchors: Provide number and spacing of anchors as follows: Stud Wall Type: Locate anchors not more than 18 inches from top and bottom of frame. Space anchors not more than 32 inches o.c. and as follows: Three anchors per jamb up to 60 inches high. Four anchors per jamb from 60 to 90 inches high. Five anchors per jamb from 90 to 96 inches high. Five anchors per jamb plus 1 additional anchor per jamb for each 24 inches or fraction thereof above 96 inches high. Two anchors per head for frames above 42 inches wide and mounted in metal stud partitions.
    d. Door Silencers: Except on weatherstripped or gasketed doors, drill stops to receive door silencers. Silencers to be supplied by frame manufacturer regardless if specified in Division 08 Section "Door Hardware".
15. Hardware Preparation: Factory prepare hollow metal work to receive template mortised hardware; include cutouts, reinforcement, mortising, drilling, and tapping according to the Door Hardware Schedule and templates furnished as specified in Division 08 Section "Door Hardware". Locate hardware as indicated, or if not indicated, according to ANSI/SDI A250.8. Reinforce doors and frames to receive non-template, mortised and surface mounted door hardware. Comply with applicable requirements in ANSI/SDI A250.6 and ANSI/DHI A115 Series specifications for preparation of hollow metal work for hardware. Coordinate locations of conduit and wiring boxes for electrical connections with Division 26 Sections.
16. STEEL FINISHES:
    a. Prime Finishes: Doors and frames to be cleaned, and chemically treated to insure maximum finish paint adhesion. Surfaces of the door and frame exposed to view to receive a factory applied coat of rust inhibiting shop primer.
    b. Shop Primer: Manufacturer's standard, fast-curing, lead and chromate free primer complying with ANSI/SDI A250.10 acceptance criteria; recommended by primer manufacturer for substrate; and compatible with substrate and field-applied coatings.
17. EXAMINATION: Examine substrates, areas, and conditions, with Installer present, for compliance with requirements for installation tolerances and other conditions affecting performance of the Work. General Contractor to verify the accuracy of dimensions given to the steel door and frame manufacturer for existing openings or existing frames (strike height, hinge spacing, hinge back set, etc.). Proceed with installation only after unsatisfactory conditions have been corrected.
18. PREPARATION: Remove welded in shipping spreaders installed at factory. Restore exposed finish by grinding, filling, and dressing, as required to make repaired area smooth, flush, and invisible on exposed faces. Prior to installation, adjust and securely brace welded hollow metal frames for squareness, alignment, twist, and plumbness. Tolerances shall comply with SDI-117 "Manufacturing Tolerances Standard Steel Doors and Frames". Drill and tap doors and frames to receive non-template, mortised, and surface-mounted door hardware.
19. INSTALLATION:
    a. General: Install hollow metal work plumb, rigid, properly aligned, and securely fastened in place; comply with Drawings and manufacturer's written instructions.
    b. Hollow Metal Frames: Install hollow metal frames of size and profile indicated. Comply with ANSI/SDI A250.11 and NFPA 80 at fire rated openings. Set frames accurately in position, plumbed, aligned, and braced securely until permanent anchors are set. After wall construction is complete and frames properly set and secured, remove temporary braces, leaving surfaces smooth and undamaged. Shim as necessary to comply with installation tolerances.
    c. Floor Anchors: Provide floor anchors for each jamb and mullion that extends to floor, and secure with post-installed expansion anchors.
    d. Masonry Walls: Coordinate installation of frames to allow for solidly filling space between frames and masonry with mortar.
    e. Grout Requirements: Do not grout head of frames unless reinforcing has been installed in head of frame. Do not grout vertical or horizontal closed mullion members.
    f. Hollow Metal Doors: Fit hollow metal doors accurately in frames, within clearances specified below. Shim as necessary. Non-Fire-Rated Standard Steel Doors. Jambs and Head: 1/8 inch plus or minus 1/16 inch. Between Edges of Pairs of Doors: 1/8 inch plus or minus 1/16 inch. Between Bottom of Door and Top of Threshold: Maximum 3/8 inch. Between Bottom of Door and Top of Finish Floor (No Threshold): Maximum 3/4 inch.
    g. Fire-Rated Doors: Install doors with clearances according to NFPA 80.
    h. Field Glazing: Comply with installation requirements in Division 08 Section "Glazing" and with hollow metal manufacturer's written instructions.
20. ADJUSTMENT AND CLEANING:
    a. Final Adjustments: Check and readjust operating hardware items immediately before final inspection. Leave work in complete and proper operating condition. Remove and replace defective work, including hollow metal work that is warped, bowed, or otherwise unacceptable. Remove grout and other bonding material from hollow metal work immediately after installation.
    b. Prime-Coat and Painted Finish Touchup: Immediately after erection, sand smooth rusted or damaged areas of prime coat, or painted finishes, and apply touch-up of compatible air drying, rust-inhibitive primer, zinc rich primer (exterior and galvanized openings) or finish paint.

087100 – DOOR HARDWARE

1. SUMMARY: This Section includes commercial door hardware for the following: Swinging doors, Sliding Doors, Other doors to the extent indicated. "Hardware groups" have been assigned to the various doors required for this work. Provide and install all finish hardware described in the Hardware Schedule and all other finish hardware not described but required for a complete and operable facility. Door hardware includes, but is not necessarily limited to, the following: Mechanical door hardware, Electromechanical door hardware, power supplies, back-ups and surge protection, Automatic operators, Cylinders specified for doors in other sections.
2. SUBMITTALS:
    a. Product Data: Manufacturer's product data sheets including installation details, material descriptions, dimensions of individual components and profiles, operational descriptions and finishes.
    b. Door Hardware Schedule: Prepared by or under the supervision of supplier, detailing fabrication and assembly of door hardware, as well as procedures and diagrams. Coordinate the final Door Hardware Schedule with doors, frames, and related work to ensure proper size, thickness, hand, function, and finish of door hardware.
    c. Keying Schedule: Prepared under the supervision of the Owner, separate schedule detailing final keying instructions for locksets and cylinders in writing. Include keying system explanation, door numbers, key set symbols, hardware set numbers and special instructions. Owner to approve submitted keying schedule prior to the ordering of permanent cylinders.
3. QUALITY ASSURANCE:
    a. Codes and References: Comply with the version year adopted by the Authority Having Jurisdiction: ANSI A117.1 - Accessible and Usable Buildings and Facilities. ASTM E330 - Standard Test Method for Structural Performance of Exterior Windows, Curtain Walls, and Doors by Uniform Static Air Pressure difference. ICC/IBC - International Building Code. NFPA 70 - National Electrical Code. NFPA 80 - Fire Doors and Windows. NFPA 101 - Life Safety Code. NFPA 105 - Installation of Smoke Door Assemblies. UL/ULC and CSA C22.2 – Standards for Automatic Door Operators Used on Fire and Smoke Barrier Doors and Systems of Doors. TAS-201-94 - Impact Test Procedures. TAS-202-94 - Criteria for Testing Impact and Non-Impact Resistant Building Envelope Components using Uniform Static Air Pressure. TAS-203-94 - Criteria for Testing Products Subject to Cyclic Wind Pressure Loading. California Building Code.
    b. Standards: All hardware specified herein shall comply with the following industry standards: ANSI/BHMA Certified Product Standards - A156 Series. UL10C – Positive Pressure Fire Tests of Door Assemblies.
    c. Fire-Rated Door Assemblies: Provide door hardware for assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to NFPA 252 (neutral pressure at 40" above sill) or UL-10C. Test Pressure: Positive pressure labeling.
    d. Keying Conference: Conduct conference to comply with requirements in Division 01 Section "Project Meetings." Keying conference to incorporate the following criteria into the final keying schedule document: Function of building, purpose of each area and degree of security required. Plans for existing and future key system expansion. Requirements for key control storage and software. Installation of permanent keys, cylinder cores and software. Address and requirements for delivery of keys.
4. COORDINATION:
    a. Templates: Obtain and distribute to the parties involved templates for doors, frames, and other work specified to be factory prepared for installing standard and electrified hardware. Check Shop Drawings of other work to confirm that adequate provisions are made for locating and installing hardware to comply with indicated requirements.
    b. Door Hardware and Electrical Connections: Coordinate the layout and installation of scheduled electrified door hardware and related access control equipment with required connections to source power junction boxes, low voltage power supplies, detection and monitoring hardware, and fire and detection alarm systems.
    c. Door and Frame Preparation: Related Division 08 Sections (Steel, Aluminum and Wood) doors and corresponding frames are to be prepared, reinforced and pre-wired (if applicable) to receive the installation of the specified electrified, monitoring, signaling and access control system hardware without additional in-field modifications.
5. WARRANTY:
    a. Warranty Period: Written warranty, executed by manufacturer(s), agreeing to repair or replace components of standard and electrified door hardware that fails in materials or workmanship within specified warranty period after final acceptance by the Owner. Failures include, but are not limited to, the following: Structural failures including excessive deflection, cracking, or breakage. Faulty operation of the hardware. Deterioration of metals, metal finishes, and other materials beyond normal weathering. Electrical component defects and failures within the systems operation.
    b. Standard Warranty Period: One year from date of Substantial Completion, unless otherwise indicated.
    c. Special Warranty Periods: Ten years for mortise locks and latches. Ten years for extra heavy duty cylindrical (bored) locks and latches. Seven years for heavy duty cylindrical (bored) locks and latches. Five years for standard duty cylindrical (bored) locks and latches. Five years for exit hardware. Twenty-five years for manual surface door closers. Ten years for heavy duty floor closers. Two years for shallow depth floor closers. Two years for overhead concealed closers. Two years for electromechanical door hardware.
6. MAINTENANCE SERVICE:
    a. Maintenance Tools and Instructions: Furnish a complete set of specialized tools and maintenance instructions as needed for Owner's continued adjustment, maintenance, and removal and replacement of door hardware.
    b. Continuing Service: Beginning at Substantial Completion, and running concurrent with the specified warranty period, provide continuous (6) months full maintenance including repair and replacement of worn or defective components, lubrication, cleaning, and adjusting as required for proper door opening operation. Provide parts and supplies as used in the manufacture and installation of original products.
7. SCHEDULED DOOR HARDWARE:
    a. General: Provide door hardware for each door to comply with requirements in Door Hardware Sets and each referenced section that products are to be supplied under.
    b. Designations: Requirements for quantity, item, size, finish or color, grade, function, and other distinctive qualities of each type of door hardware are indicated in the Door Hardware Sets at the end of Part 3. Products are identified by using door hardware designations, as follows: Named Manufacturer's Products: Product designation and manufacturer are listed for each door hardware type required for the purpose of establishing requirements. Manufacturers' names are abbreviated in the Door Hardware Schedule. Products furnished, but not installed, under this Section include the following. Coordinating, purchasing, delivering, and scheduling remain requirements of this Section.
    c. Substitutions: Requests for substitution and product approval for inclusive mechanical and electromechanical door hardware in compliance with the specifications must be submitted in writing and in accordance with the procedures and time frames outlined in Division 01, Substitution Procedures. Approval of requests is at the discretion of the architect, owner, and their designated consultants.
8. HANGING DEVICES:
    a. Hinges: ANSI/BHMA A156.1 certified butt hinges with number of hinge knuckles as specified in the Door Hardware Sets.
    b. Quantity: Provide the following hinge quantity, unless otherwise indicated: Two Hinges: For doors with heights up to 60 inches. Three Hinges: For doors with heights 61 to 90 inches. Four Hinges: For doors with heights 91 to 120 inches. For doors with heights more than 120 inches, provide 4 hinges, plus 1 hinge for every 30 inches of door height greater than 120 inches.
    c. Hinge Size: Provide the following, unless otherwise indicated, with hinge widths sized for door thickness and clearances required. Widths up to 3'0": 4-1/2" standard or heavy weight as specified. Sizes from 3'1" to 4'0": 5" standard or heavy weight as specified.

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAU
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

SPECIFICATIONS

SS.1

3/4/2025 11:43:43 AM

d. Hinge Weight and Base Material: Unless otherwise indicated, provide the following: Exterior Doors: Heavy weight, non-ferrous, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate standard weight. Interior Doors: Standard weight, steel, ball bearing or oil impregnated bearing hinges unless Hardware Sets indicate heavy weight.

e. Hinge Options: Comply with the following where indicated in the Hardware Sets or on Drawings: Non-removable Pins: Provide set screw in hinge barrel that, when tightened into a groove in hinge pin, prevents removal of pin while door is closed; for the following applications: Out-swinging exterior doors. Out-swinging access-controlled doors. Out-swinging lockable doors.

9. DOOR OPERATING TRIM:

a. Flush Bolts and Surface Bolts: ANSI/BHMA A156.3 and A156.16, Grade 1, certified automatic, self-latching, and manual flush bolts and surface bolts. Manual flush bolts to be furnished with top rod of sufficient length to allow bolt location approximately six feet from the floor. Furnish dust proof strikes for bottom bolts. Surface bolts to be minimum 8" in length and U.L. listed for labeled fire doors and U.L. listed for windstorm components where applicable. Provide related accessories (mounting brackets, strikes, coordinators, etc.) as required for appropriate installation and operation.

b. Coordinators: ANSI/BHMA A156.3 certified door coordinators consisting of active-leaf, hold-open lever and inactive-leaf release trigger. Coordinators fabricated from steel with nylon-coated strike plates and built-in adjustable safety release.

c. Door Push Plates and Pulls: ANS/BHMA A156.6 certified door pushes and pulls of type and design specified below or in the Hardware Sets. Coordinate and provide proper width and height as required where conflicting hardware dictates. Push/Pull Plates: Minimum .050-inch-thick, size as indicated in hardware sets, with square corners and beveled edges, secured with exposed screws unless otherwise indicated. Door Pull and Push Bar Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door unless otherwise indicated. Offset Pull Design: Size, shape, and material as indicated in the hardware sets. Minimum clearance of 2 1/2-inches from face of door and offset of 90 degrees unless otherwise indicated. Fasteners: Provide manufacturer's designated fastener type as indicated in Hardware Sets.

10. CYLINDERS AND KEYING:

a. Cylinders: Original manufacturer cylinders complying with the following: Mortise Type: Threaded cylinders with rings and straight- or clover-type cam. Rim Type: Cylinders with back plate, flat-type vertical or horizontal tailpiece, and raised trim ring. Bored-Lock Type: Cylinders with tailpieces to suit locks. Mortise and rim cylinder collars to be solid and recessed to allow the cylinder face to be flush and be free spinning with matching finishes. Keyway: Manufacturer's Standard. Match Facility Standard. Match Facility Restricted Keyway.

b. Permanent Cores: Manufacturer's standard; finish face to match lockset; complying with the following: Interchangeable Cores: Core insert, removable by use of a special key, usable with other manufacturers' cylinders.

c. Keying System: Each type of lock and cylinders to be factory keyed. Conduct specified "Keying Conference" to define and document keying system instructions and requirements. Furnish factory cut, nickel-silver large bow permanently inscribed with a visual key control number as directed by Owner. Incorporate decisions made in keying conference, and as follows: Master Key System: Cylinders are operated by a change key and a master key. Grand Master Key System: Cylinders are operated by a change key, a master key, and a grand master key. Great-Grand Master Key System: Cylinders are operated by a change key, a master key, a grand master key, and a great-grand master key. Existing System: Master key or grand master key locks to Owner's existing system. Keyed Alike: Key all cylinders to same change key.

d. Key Quantity: Provide the following minimum number of keys: Top Master Key: One (1). Change Keys per Cylinder: Two (2). Master Keys (per Master Key Group): Two (2). Grand Master Keys (per Grand Master Key Group): Two (2). Construction Keys (where required): Ten (10). Construction Control Keys (where required): Two (2). Permanent Control Keys (where required): Two (2).

e. Construction Keying: Provide construction master keyed cylinders or temporary keyed construction cores where specified. Provide construction master keys in quantity as required by project Contractor. Replace construction cores with permanent cores. Furnish permanent cores for installation as directed under specified "Keying Conference".

11. MECHANICAL LOCKS AND LATCHING DEVICES:

a. Cylindrical Locksets, Grade 1 (Extra-Heavy Duty): ANSI 156.2 Series 4000, Grade 1 certified cylindrical (bored) locksets able to withstand 3000-inch pounds of torque applied to the locked lever without gaining access. Locksets to fit a standard 2 1/8" bore without the use of through-bolts. Lever handles to be made of solid material with no plastic fillers and latchbolt head to be one-piece stainless-steel construction encased within the lock body. Furnish with standard 2 3/4" backset, 1/2" throw latchbolt (3/4" at rated paired openings), and universal non-handed.

12. LOCK AND LATCH STRIKES:

a. Strikes: Provide manufacturer's standard strike with strike box for each latch or lock bolt, with curved lip extended to protect frame, finished to match door hardware set, unless otherwise indicated, and as follows. Flat-Lip Strikes: For locks with three-piece antifriction latchbolts, as recommended by manufacturer. Extra-Long-Lip Strikes: For locks used on frames with applied wood casing trim. Aluminum-Frame Strike Box: Provide manufacturer's special strike box fabricated for aluminum framing.

b. Standards: Comply with the following: Strikes for Mortise Locks and Latches: BHMA A156.13. Strikes for Bored Locks and Latches: BHMA A156.2. Strikes for Auxiliary Deadlocks: BHMA A156.5. Dustproof Strikes: BHMA A156.16.

13. DOOR CLOSERS: All door closers specified herein shall meet or exceed the following criteria:

a. General: Door closers to be from one manufacturer, matching in design and style, with the same type door preparations and templates regardless of application or spring size. Closers to be non-handed with full sized covers including installation and adjusting information on inside of cover.

b. Standards: Closers to comply with UL-10C and UBC 7-2 for Positive Pressure Fire Test and be U.L. listed for use of fire rated doors.

c. Cycle Testing: Provide closers which have surpassed 10 million cycles in a test witnessed and verified by UL.

d. Size of Units: Comply with manufacturer's written recommendations for sizing of door closers depending on size of door, exposure to weather, and anticipated frequency of use. Where closers are indicated for doors required to be accessible to the physically handicapped, provide units complying with ANSI ICC/A117.1.

e. Closer Arms: Provide heavy duty, forged steel closer arms unless otherwise indicated in Hardware Sets. Where closers are indicated to have mechanical dead-stop, provide heavy duty arms and brackets with an integral positive stop. Where closers are indicated to have mechanical hold open, provide heavy duty units with an additional built-in mechanical holder assembly designed to hold open against normal wind and traffic conditions. Holder to be manually selectable to on-off position. Where closers are indicated to have a cushion-type stop, provide heavy duty arms and brackets with spring stop mechanism to cushion door when opened to maximum degree. Closers shall not be installed on exterior or corridor side of doors; where possible install closers on door for optimum aesthetics. Provide drop plates or other accessories as required for proper mounting.

f. Closer Accessories: Provide door closer accessories including custom templates, special mounting brackets, spacers and drop plates, and through-bolt or security type fasteners as specified in the door Hardware Sets.

g. Door Closers, Surface Mounted (Commercial Duty): ANSI/BHMA 156.4, Grade 1 certified surface mounted, institutional grade door closers with complete spring power adjustment, sizes 1 thru 6; and fully operational adjustable according to door size, frequency of use, and opening force. Closers to be rack and pinion type, one-piece cast iron or aluminum alloy body construction, with adjustable backcheck, closing sweep, and latch speed control valves. Provide non-handed units standard.

14. ARCHITECTURAL TRIM: Door Protective Trim:

a. General: Door protective trim units to be of type and design as specified below or in the Hardware Sets.

b. Size: Fabricate protection plates (kick, armor, or mop) not more than 2" less than door width (LDW) on stop side of single doors and 1" LDW on stop side of pairs of doors, and not more than 1" less than door width on pull side. Coordinate and provide proper width and height as required where conflicting hardware dictates. Height to be as specified in the Hardware Sets. Metal Protection Plates: ANSI/BHMA A156.6 certified metal protection plates (kick, armor, or mop), beveled on four edges (B4E), fabricated from the following. Stainless Steel: 050-inch thick, with countersunk screw holes (CSK). Brass or Bronze: 050-inch thick, with countersunk screw holes (CSK). Laminate Plastic or Acrylic: 1/8-inch thick, with countersunk screw holes (CSK).

c. Fasteners: Provide manufacturer's designated fastener type as specified in the Hardware Sets.

d. Metal Door Edging: Door protection edging fabricated from a minimum .050-inch thick metal sheet, formed into an angle or "U" cap shapes, surface or mortised mounted onto edge of door. Provide appropriate leg overlap to account for protection plates as required. Height to be as specified in the Hardware Sets.

15. DOOR STOPS AND HOLDERS:

a. General: Door stops and holders to be of type and design as specified below or in the Hardware Sets.

b. Door Stops and Bumpers: ANSI/BHMA A156.16, Grade 1 certified door stops and wall bumpers. Provide wall bumpers, either convex or concave types with anchorage as indicated, unless floor or other types of door stops are specified in Hardware Sets. Do not mount floor stops where they will impede traffic. Where floor or wall bumpers are not appropriate, provide overhead type stops and holders.

c. Overhead Door Stops and Holders: ANSI/BHMA A156.6, Grade 1 certified overhead stops and holders to be surface or concealed types as indicated in Hardware Sets. Track, slide, arm and jamb bracket to be constructed of extruded bronze and shock absorber spring of heavy tempered steel. Provide non-handed design with mounting brackets as required for proper operation and function.

16. ARCHITECTURAL SEALS:

a. General: Thresholds, weatherstripping, and gasket seals to be of type and design as specified below or in the Hardware Sets. Provide continuous weathestrip gasketing on exterior doors and provide smoke, light, or sound gasketing on interior doors where indicated. At exterior applications provide non-corrosive fasteners and elsewhere where indicated.

b. Smoke Labeled Gasketing: Assemblies complying with NFPA 105 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for smoke control ratings indicated, based on testing according to UL 1784

c. Fire Labeled Gasketing: Assemblies complying with NFPA 80 that are listed and labeled by a testing and inspecting agency acceptable to authorities having jurisdiction, for fire ratings indicated, based on testing according to UL-10C. Provide intumescent seals as indicated to meet UL10C Standard for Positive Pressure Fire Tests of Door Assemblies, and UBC 7-2, Fire Tests of Door Assemblies.

d. Sound-Rated Gasketing: Assemblies that are listed and labeled by a testing and inspecting agency, for sound ratings indicated, based on testing according to ASTM E 1408.

e. Replaceable Seal Strips: Provide only those units where resilient or flexible seal strips are easily replaceable and readily available from stocks maintained by manufacturer.

17. FABRICATION: Fasteners: Provide door hardware manufactured to comply with published templates generally prepared for machine, wood, and sheet metal screws. Provide screws according to manufacturers recognized installation standards for application intended.

18. FINISHES: Standard designations used in the Hardware Sets and elsewhere indicate hardware finishes complying with ANSI/BHMA A156.18, including coordination with traditional U.S. finishes indicated by certain manufacturers for their products. Provide quality of finish, including thickness of plating or coating (if any), composition, hardness, and other qualities complying with manufacturer's standards, but in no case less than specified by referenced standards for the applicable units of hardware. Protect mechanical finishes on exposed surfaces from damage by applying a strippable, temporary protective covering before shipping.

19. ACCEPTABLE MANUFACTURERS AND PRODUCTS:

Match existing door hardware.

20. EXAMINATION: Examine scheduled openings, with Installer present, for compliance with requirements for installation tolerances, labeled fire door assembly construction, wall and floor construction, and other conditions affecting performance. Notify architect of any discrepancies or conflicts between the door schedule, door types, drawings and scheduled hardware. Proceed only after such discrepancies or conflicts have been resolved in writing.

21. PREPARATION: Hollow Metal Doors and Frames: Comply with ANSI/DHI A115.series. Wood Doors: Comply with ANSI/DHI A115-W series.

22. INSTALLATION: Install each item of mechanical and electromechanical hardware and access control equipment to comply with manufacturer's written instructions and according to specifications. Installers are to be trained and certified by the manufacturer on the proper installation and adjustment of fire, life safety, and security products including hanging devices; locking devices; closing devices; and seals.

a. Mounting Heights: Mount door hardware units at heights indicated in following applicable publications, unless specifically indicated or required to comply with governing regulations: Standard Steel Doors and Frames: DHI's "Recommended Locations for Architectural Hardware for Standard Steel Doors and Frames". Wood Doors: DHI WHS.3, "Recommended Locations for Architectural Hardware for Wood Flush Doors". Where indicated to comply with accessibility requirements, comply with ANSI A117.1 "Accessibility Guidelines for Buildings and Facilities". Provide blocking in drywall partitions where wall stops or other wall mounted hardware is located.

b. Power Operator products and accessories are required to be installed through current members of the manufacturer's "Power Operator Preferred Installer" program.

c. Retrofitting: Install door hardware to comply with manufacturer's published templates and written instructions. Where cutting and fitting are required to install door hardware onto or into surfaces that are later to be painted or finished in another way, coordinate removal, storage, and reinstallation of surface protective trim units with finishing work specified in Division 9 Sections. Do not install surface-mounted items until finishes have been completed on substrates involved.

d. Thresholds: Set thresholds for exterior and acoustical doors in full bed of sealant complying with requirements specified in Division 7 Section "Joint Sealants".

e. Storage: Provide a secure lock up for hardware delivered to the project but not yet installed. Control the handling and installation of hardware items so that the completion of the work will not be delayed by hardware losses before and after installation.

23. FIELD QUALITY CONTROL: Field Inspection: Supplier will perform a final inspection of installed door hardware and state in report whether work complies with or deviates from requirements, including whether door hardware is properly installed, operating and adjusted.

24. ADJUSTING: Initial Adjustment: Adjust and check each operating item of door hardware and each door to ensure proper operation or function of every unit. Replace units that cannot be adjusted to operate as intended. Adjust door control devices to compensate for final operation of heating and ventilating equipment and to comply with referenced accessibility requirements.

25. CLEANIGN AND PROTECTION: Protect all hardware stored on construction site in a covered and dry place. Protect exposed hardware installed on doors during the construction phase. Install any and all hardware at the latest possible time frame. Clean adjacent surfaces soiled by door hardware installation. Clean operating items as necessary to restore proper finish. and provide final protection and maintain conditions that ensure door hardware is without damage or deterioration at time of owner occupancy.

26. DEMONSTRATION: Instruct Owner's maintenance personnel to adjust, operate, and maintain mechanical and electromechanical door hardware.

27. DOOR HARDWARE SCHEDULE: The hardware sets represent the design intent and direction of the owner and architect. They are a guideline only and should not be considered a detailed hardware schedule. Discrepancies, conflicting hardware and missing items should be brought to the attention of the architect with corrections made prior to the bidding process. Omitted items not included in a hardware set should be scheduled with the appropriate additional hardware required for proper application and functionality.

Hardware Groups:

Group:	01
Doors:	101.1
Scheduled Hardware:	
Hinges	
Kickplate	
Lockset (Function: Classroom)	
Silencers	

Group:	02
Doors:	101.2
Scheduled Hardware:	
Astragal	
Hinges	
Door Shoe	
Lockset (Function: Storeroom)	
Flush Bolts (Inactive Leaf)	
Threshold	
Weatherstripping	

092900 – GYPSUM BOARD

1. SUMMARY: Provide and install gypsum board where shown on the Drawings and as specified herein.
2. PANEL PRODUCTS: Provide in maximum lengths available to minimize end-to-end butt joints.
   a. Interior Gypsum Board: ASTM C 1396/C 1396M, in thickness indicated, with manufacturer's standard edges.
3. ACCESSORIES:
   a. Metal Trim Accessories: ASTM C 1047, formed from galvanized or aluminum-coated steel sheet, rolled zinc, plastic, or paper-faced galvanized-steel sheet. For exterior trim, use accessories formed from hot-dip galvanized-steel sheet, plastic, or rolled zinc. Provide cornerbead at outside corners unless otherwise indicated. Provide LC-bead (J-bead) at exposed panel edges. Provide control joints where indicated.
   b. Joint-Treatment Materials: ASTM C 475/C 475M.
      i. Joint Tape: Paper unless otherwise recommended by panel manufacturer.
      ii. Joint Compounds: Setting-type taping compound and drying-type, ready-mixed, compounds for topping.
   c. Fasteners: Screws complying with ASTM C954 or C1002.
   d. Adhesives: Liquid Nails Construction Adhesive by Macco Adhesives or equal, type as required for the material applied to.
   e. Other Materials: All other materials, not specifically described but required for a complete and proper installation of gypsum drywall, shall be as selected by the Contractor subject to approval of the Architect.
4. INSTALLATION: Install gypsum board panels in accordance with GA-216 and ASTM C840. Install all panels plumb, level, and with all vertical joints on bearing. Panels/patches smaller than 144 square inches may not be used without prior approval of Architect.
   a. Cutting: When cutting gypsum drywall is required, cut by scoring and breaking or by sawing, working from the face side. When cutting by scoring, cut through the face paper and then snap the panel back away from the cut face; then break the back paper by snapping the gypsum board in the reverse direction or by cutting the back paper. Smooth all cut ends and edges of panels as necessary to obtain a smooth joint. For cut-outs in panels for pipes, fixtures, and other small openings, make holes and cut-outs by sawing or by such other method as will not fracture the core or tear the covering and with such accuracy that plates, escutcheons, or trim will cover the edges. The use of "score-and-knockout" method will not be permitted.
   b. Fastening: Properly space all fasteners in careful accordance with the manufacturer's recommendations and code requirements, with heads driven slightly below the surface for proper cementing but without breaking the paper cover. Loosely butt all joints to be taped; firmly butt all joints to be left untreated. Stagger all end joints and the joints between panels to achieve a maximum of bridging and a minimum of continued joints.
   c. Ceiling: At those areas where gypsum drywall ceiling is indicated on the Drawings, and where it is possible to do so, install the ceiling prior to installing walls. Where possible, and where permitted by code, float the interior ceiling angles.
5. PATCH AND REPAIR: All patching shall be performed in accordance with ATSM C840.
   a. Where patching of existing gypsum board is required due to selective demolition identified as part of the scope of work, existing gypsum board shall be removed back to the nearest framing member or blocking, or additional framing/ blocking shall be installed so that any gypsum board patch is secured to framing at its perimeter.
   b. Patch shall be taped to adjacent existing gypsum board. Apply joint compound evenly, and sand smooth.
   c. Apply new texture to the entire wall or ceiling surface receiving a patch.
6. TAPING AND FINISHING: Match existing gypsum board finish.
7. CLEANING UP: Do not allow the accumulation of scraps and debris arising from the work of this Section but maintain the premises in a neat and orderly condition at all times; in the event of spilling or splashing compound onto other surfaces, immediately remove the spilled or splashed material and all trace of the residue to the approval of the Architect.

096513 – RESILIENT BASE AND ACCESSORIES

1. SUMMARY: Provide and install resilient base and accessories as shown on the Finish Schedule in the Drawings and specified herein.
2. ADDITIONAL STOCK: Deliver to Owner at least 10 linear feet, of each type and color of resilient wall base installed.
3. WALL BASE: Products: Mannington Commercial, BurkeBase Premium TS, Color and Pattern: See Drawings, ASTM F 1861, Type TS (rubber, vulcanized thermoset)], Style: Cove (with top-set toe) 4 inches (101.6 mm) Lengths: Cut lengths 48 inches (1219.2 mm) long
4. INSTALLATION ACCESSORIES:
   a. Adhesives: Water-resistant type recommended by manufacturer to suit products and substrate conditions.
5. INSTALLATION: Adhesively install resilient wall base and accessories. Install wall base in maximum lengths possible. Apply to walls, columns, pilasters, casework, and other permanent fixtures in rooms or areas where base is required.

099100 – PAINTING AND COATING

1. SUMMARY: Provide painting as shown on the Finish Schedule in the Drawings and specified herein. The type of material to be used and the number of coats to be applied are listed in the "Painting Schedule" in Part 3.00 of this Section of these Specifications. The term "paint", as used herein, included enamels, epoxies, paints, sealers, fillers, emulsions, and other coatings, whether used as prime, intermediate, or finish coats.
2. INDOOR AIR POLLUTANT CONTROL REQUIREMENTS:
   a. VOC Limits: Architectural paints and coatings shall comply with VOC limits in Table 1 of the ARB Architectural Coatings Suggested Control Measure, as shown in Table 5.504.4.3 of the 2016 California Green Building Standards Code, unless more stringent local limits apply. The VOC content limit for coatings that do not meet the definitions for the specialty coatings categories listed in Table 5.504.4.3 shall be determined by classifying the coating as a Flat, Nonflat or Nonflat-High Gloss coating, based on its gloss, as defined in Subsections 4.21, 4.36 and 4.37 of the 2007 California Air Resources Board, Suggested Control Measure, and the corresponding Flat, Nonflat or Nonflat-High Gloss VOC limit in Table 5.504.4.3 shall apply.
   b. Aerosol Paints and Coatings: Aerosol paints and coatings shall meet the PWMIR Limits for ROC in Section 94522(a)(3) and other requirements, including prohibitions on use of certain toxic compounds and ozone depleting substances, in Sections 94522(c)(2) and (d)(2) of *California Code of Regulations*, Title 17, commencing with Section 94520; and in areas under the jurisdiction of the Bay Area Air Quality Management District additionally comply with the percent VOC by weight of product limits of Regulation 8 Rule 49.
3. MOCK-UPS: Mockups: Full-coat finish Sample of each type of coating, color, and substrate, applied where directed.
4. PROJECT CONDITIONS: The General Contractor is responsible to ensure all materials used in this Section meet current California V.O.C. (volatile organic compounds/chemicals) Regulations. The Architect shall be immediately notified of all V.O.C. conflicts. Work shall not proceed until conflicts are resolved.
5. EXTRA STOCK: Upon completion of this portion of the Work, deliver to the Owner an extra stock of one gallon of each color and gloss used in each coating material used, with all such extra stock tightly sealed in clearly labeled containers.
6. PAINT MATERIALS:
   a. Manufacturer: All paint materials selected for coating systems for each type of surface shall be the product of a single manufacturer. Paint materials listed herein, unless otherwise designated in the "Painting Schedule", are the product of Benjamin Moore and require no further approval as to manufacturer or catalog number. Equivalent products of other major paint manufacturers may be used subject to approval by the Architect of the materials list and manufacturers' recommendations required to be submitted under Article 1.03 above. Equivalent product manufacturers must provide a manufacturers product reference guide demonstrating the equivalence of the product substituted to the one specified.
   b. Compatibility: All paint materials and equipment shall be compatible in use; finish coats shall be compatible with prime coats; prime coats shall be compatible with the surface to be coated; all tools and equipment shall be compatible with the coating to be applied. Thinners, when used, shall be only those thinners recommended for that purpose by the manufacturer of the material to be thinned.
   c. Colors and glosses: All colors and glosses shall be indicated on the Painting Schedule and Finishes Schedule.
7. PREPARATION OF SURFACES, GENERAL: Prior to all surface preparation and painting operations, completely mask, remove or otherwise adequately protect all hardware, accessories, machined surfaces, plates, lighting fixtures, and similar items in contact with painted surfaces but not scheduled to receive paint. Spot prime all exposed nails and other metals which are to be painted with emulsion paints, using a primer recommended by the manufacturer of the coating system. Before applying paint or other surface treatment, thoroughly clean all surfaces involved. Schedule all cleaning and painting so that dust and other contaminants from the cleaning process will not fall on wet, newly painted surfaces.
8. PREPARATION OF METAL SURFACES:
   a. Galvanized metal: Clean all surfaces thoroughly with solvent until they are completely free from dirt, soil, and grease. Thoroughly treat the cleaned surface with phosphoric acid etch. Remove all excess etching solution and allow to dry completely before application of paint.
   b. Other metals: Thoroughly clean all surfaces until they are completely free from dirt, oil, grease and old paint. Allow to dry thoroughly before application of paint.
9. PAINT APPLICATION:
   a. General: Paint all surfaces, except glass, flat concrete, and similar items, not prefinished and not called out as unfinished. Paint all grilles and other prefinished items where the factory prefinish is not in accordance with the Painting Schedule and color selection or where a prefinished item is not the same color as the adjacent surface. Paint to match adjacent surface.
   b. Drying: Allow sufficient drying time between coats. Modify the period as recommended by the material manufacturer to suit adverse weather conditions.
   c. Environmental conditions: Comply with the manufacturer's recommendations as to environmental conditions under which the coating systems may be applied. Do not apply paint in areas where dust is being generated.
   d. Defects: Sand and dust between coats to remove all defects visible to the unaided eye from a distance of five feet.
   e. Color of undercoats: Slightly vary the color of succeeding coats.
10. INSPECTION: Do not apply additional coats until completed coat has been inspected and approved by the Architect. Only inspected and approved coats of paint will be considered in determining the number of coats applied.
11. RE-INSTALLATION OF REMOVED ITEMS: Following completion of painting in each space, promptly reinstall all items removed for painting, using only workmen skilled in the particular trade.
12. CLEANING UP: During progress of the Work, do not allow the accumulation of empty containers or other excess items except in areas specifically set aside for that purpose. Prevent accidental spilling of paint materials and, in event of such spill, immediately remove all spilled material and the waste or other equipment used to clean up the spill, and wash the surfaces to their original undamaged condition, all at no additional cost to the Owner. Upon completion of this portion of the Work visually inspect all surfaces and remove all paint and traces of paint from surfaces not scheduled to be painted.
13. PAINTING SCHEDULE:

Apply the following finishes to the areas designated:

Type 1: Exterior Metal (Galvanized), Semi-Gloss

First Coat:	Benjamin Moore	P04 Acrylic Metal Primer
Second Coat:	Benjamin Moore	449 Ultra Spec EXT Gloss
Third Coat:	Benjamin Moore	449 Ultra Spec EXT Gloss

Type 2: Interior Metal (Ferrous), Semi-Gloss

First Coat:	Benjamin Moore	P04 Acrylic Metal Primer
Second Coat:	Benjamin Moore	539 Ultra Spec 500 Latex Semi-Gloss
Third Coat:	Benjamin Moore	539 Ultra Spec 500 Latex Semi-Gloss

Type 3: Interior Drywall Satin

First Coat:	Benjamin Moore	253 SuperSpec Latex Primer Sealer
Second Coat:	Benjamin Moore	538 Ultra Spec 500 Latex Eggshell
Third Coat:	Benjamin Moore	538 Ultra Spec 500 Latex Eggshell

Type 4: Concrete Floor

First Coat:	ProSoCo Consolideck Concrete Protector SB	
Second Coat:	ProSoCo Consolideck Concrete Protector SB	

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

LICENSED ARCHITECT
DOUGLAS K. DAVIS
NO. C 28324
REN. 2-28-25
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
	02.18.25	Plan Check #1

SPECIFICATIONS

SS.2

3/4/2025 11:43:49 AM

General Notes:

1. These drawings have been prepared using standards of professional care and completeness normally exercised under similar conditions by a reputable Engineer. They necessarily assume the work depicted will be performed by an experienced Contractor and/or workman who has a working knowledge of the applicable code, standards and requirements of industry acceptable standards of good installation/construction practices. As not every condition or detail is (or can be) explicitly shown on these drawings, it is understood that the Contractor will use acceptable industry standard good practice for all miscellaneous work not shown on the plans.
2. Calculations and design of miscellaneous non-structural items, such as stairs, railings, non-structural walls and prefabricated items, such as roof trusses or floor trusses, are not included and are to be provided by others unless specifically noted on these drawings.
3. These drawings represent the finished structure. They do not explain the method of construction. The Contractor shall be solely responsible for construction means, methods, techniques, sequences, schedule and procedures. It shall be the Contractor's responsibility to design and provide adequate shoring, bracing, form-work, etc. as required for the protection of life and property during construction. Visits to the site by the Engineer shall not include inspection of this item.
4. During construction materials shall be uniformly spread out such that the design live load per square foot as stated herein is not exceeded. Visits to the site by the Engineer shall not include inspection of this item.
5. The Contractor shall be responsible for all excavation procedures including shoring and protection of adjacent property, structures, streets and utilities in accordance with local building codes, the local building department and/or OSHA requirements.
6. The Contractor shall be responsible for verification of all dimensions, conditions and elevations within architectural and/or structural drawings prior to the start of construction. The Contractor shall inform the Architect or Engineer in writing of any discrepancies or omissions noted on the drawings. Any such discrepancy, omission or variance not reported before the start of the construction shall be the responsibility of the Contractor. If discrepancies exist on these drawings, notes and details shall take precedence over the general notes.
7. Where reference is made to codes or test standards for materials of construction, the latest edition and/or addendum adopted by the governing agency shall be used.
8. Any options stated or drawn are for the Contractor's convenience. If the option is used the Contractor shall use the latest code, test standard or manufacturer's recommendations.
9. Typical details and notes shall apply, though not necessarily indicated at a specific location on the drawings. Where no details are shown, construction shall conform to similar work on the project. Details may show only one side of the detail or may omit information for clarity.
10. Verify and establish all openings, inserts or offsets for Architectural, Mechanical, Electrical or Plumbing, etc., with appropriate trades, drawings and Subcontractors prior to construction.
11. All inspections required by the Codes, Local Building Department or the Plans shall be provided by an independent qualified inspection agency or the Building Department. Site visits by the Engineer do not constitute an inspection, unless specifically contacted for.
12. Shop Drawings shall be submitted for all structural items upon written request or as detailed in Contract Documents. Shop drawings are reviewed only for general compliance with the structural drawings. Review does not indicate that the drawings are correct or complete. Responsibility shall rest with the Contractor. Any changes, substitutions, or deviations from the Contract Drawings shall be clouded. Any of the aforementioned shall not be considered approved by the Engineer unless specially noted. The shop drawings do not supersede or replace the original Contract Drawings. Any engineering provided by others and submitted for review shall bear the seal of the appropriate Registered Engineer. JCWagner & Associates shall not be responsible for the adequacy of engineering designs performed by others. Allow 5 working days for the Engineer's review. One copy of each submittal shall be retained for Engineer's records.

Wood

1. Sawn framing lumber shall comply w/ the latest edition of the grading rules of Western Wood Products Association or the West Coast Lumber Inspection Bureau. All sawn lumber shall be stamped with the grade mark of an approved lumber grading agency. Sawn lumber shall have the following minimum grade (UNO):

Size	Species & Grade
2x4 studs, blocking & top plates	Doug Fir-Larch, No. 2
2x6 studs, blocking & top plates	Doug Fir-Larch, No. 2
Joists and all other sawn lumber	Doug Fir-Larch, No. 1
4x posts	Doug Fir-Larch, No. 2
6x posts	Doug Fir-Larch, No. 2

2. Glued-Laminated beams (GLB) shall be Douglass Fir-Larch Combination 24F-V4 at simple span beams and 24F-V8 at cantilever and multi-span beams, UNO, and shall have the minimum properties:

   Fb = 2,400 psi Fv = 265 psi Fc(Perpendicular) = 650 psi E = 1,800 ksi

   Fabrication and handling shall comply with the latest AITC and ASTM standards. Beams shall be manufactured with 2000' radius min. camber unless specifically noted on the plans. All laminations shall be 1-1/2" thick (min.).
3. Structural-use panels shall be performance rated by the American Plywood Association (APA). Panels shall comply with I.C.B.O. report No. NER-108, Exposure 1. Install per manufacturer recommendations. Structural-use panels shall conform to IBC standard 23-2 and 23-3. Plywood shall be five-ply sheathing lay up plywood with face grain perpendicular to supports. Plywood may be oriented per shearwall schedule. Oriented strand board (OSB) may be used as an alternate to plywood. Provide blocking at panel edges where indicated on plans. Panels shall conform to the following nominal thickness, span rating and nailing pattern unless noted otherwise:

Thickness	Grade/ Materials	Use	Span Rating	Edge Nailing	Field Nailing
1/4"	rated sheathing	walls	-	6d @ 6" O.C.	6d @ 12" O.C.
3/8"	rated sheathing	walls	-	8d @ 6" O.C.	8d @ 12" O.C.
7/16"	rated sheathing	walls/roof	24/16	8d @ 6" O.C.	8d @ 12" O.C.
15/32"	rated sheathing	walls/roof	32/16	8d @ 6" O.C.	8d @ 12" O.C.
1/2"	rated sheathing	walls/roof	32/16	8d @ 6" O.C.	8d @ 12" O.C.
19/32"	rated sheathing	roof	40/20	10d @ 6" O.C.	10d @ 12" O.C.
5/8"	rated sheathing	roof	40/20	10d @ 6" O.C.	10d @ 12" O.C.
3/4" R	rated sheathing	roof	48/24	10d @ 6" O.C.	10d @ 12" O.C.
3/4" F	Structural I	floor	48/24	10d @ 6" O.C.	10d @ 12" O.C.

4. Bottom plates resting on concrete or masonry shall be pressure treated douglas fir-Larch sole plates and shall be anchored per structural details and shear wall schedule.
5. All bolts shall be installed in holes bored with a bit 1/16" larger than the diameter of the bolt. Bolts and nuts seating on wood shall have washers as specified by the plans under the nut. Ding threads or install additional nut to prevent loosening of nuts. Lag bolts shall be installed in pre-drilled holes with wrench.
6. All exterior wood for the vision screen shall be pressure treated. All sheathing shall be exterior grade.
7. Any location calling out a 16d nail may be substituted for a #8 wood screw of the same length unless otherwise noted except for Simpson connections.
8. All light framing connections shall be per CBC Table 2304.10.2 unless otherwise stated on the plans.

Concrete:

1. Min. 28 day compressive strength . . . . . 4000 psi
   Max. Water to Cement Ratio 0.50
   Concrete Slump . . . . . 4"-6"
2. Concrete mix designs shall be done by a certified laboratory and approved by the Engineer.
3. All concrete shall be regular weight of 145-150 pounds per cubic foot using aggregates conforming to ASTM C33. Water shall be clean and potable.
4. Portland Cement shall be Type II and conform to ASTM C150.
5. No more than 90 minutes shall elapse between concrete batching and placement, unless approved by Engineer or Authorized Testing Agency.
6. Concrete mixing, transport, & placement shall be per ACI 304. Mechanically vibrate all concrete as necessary when placed to achieve a uniform placement minimizing voids. Remove all debris from forms before placing concrete. Concrete shall not be allowed to be dropped through reinforcing steel or greater than 5 feet or any situation that may adversely affect the air entrainment or structural properties of the concrete. Care must be taken when placing slabs on grade as to not disturb the subgrade material.
7. All items to be cast in concrete such as reinforcing steel, ducts, anchor bolts, dowels, pipes, sleeves, conduits, etc., shall be securely fastened to prevent movement during the concrete placement.
8. Concrete slab on grade control joints shall be placed such that the enclosed area is less than 150 square feet(~12' x 12'), unless otherwise stated on plans or an approved mix design allowing greater enclosed area is approved.
9. Pipes shall not be embedded in structural concrete unless stated on the plans or approved by the Engineer. Maximum pipe size shall be 1/3 of the slab thickness, located at mid-depth. Minimum spacing shall 3 times the pipe diameter. Pipes/sleeves shall not impair the strength of the member.
10. Protect concrete from hot or cold weather conditions, which can reduce strength or damage concrete, in accordance with ACI 305 and 306.
11. Anchor bolts for general use and at hold down locations shall be ASTM F1554 Gr. 36 bolts, with A563 Grade A heavy hex nuts & F436 Type I washers.

Special Inspections:

Special Inspection shall be performed by qualified firm independent of the Contractor, Architect, Engineer of Record or Owner according to 2022 CBC Chapter 17. The Special Inspector shall observe the below list of items for conformance with the Contract Documents. The Special Inspector shall send reports to the Owner and all applicable parties. All discrepancies shall be brought to attention of the Contractor for correction. The Special Inspector shall submit a final report stating that the special inspection work, to the best of his knowledge, was performed in compliance with the plans, specifications, Codes and applicable workmanship of the CBC. Special Inspection shall be provided for the below list of items:

Required Inspections	Periodic	Continuous
1. Post-installed anchor bolts	✔	
2. Epoxy anchors	✔	
3. Placement of concrete reinforcement	✔	
4. Concrete placement and strength testing		✔ 1

Basis For Design

Governing Building Code: 2022 CBC

Risk Category: IV

Loading Information

Gravity

Roof		Ceiling		Floors		Storage and Egress	
D	Lr	D	Lr	D	L	Storage	Egress
15 psf	20 psf	N/A	N/A	N/A	N/A	-	-

Live loads reduced as permitted by building code

Seismic

Seismic Force Resisting System				Analysis Procedure		Seismic Coefficients			
Mech Components (Compressor/Condensor)				ASCE 7-16 Chapter 13		(Compressor)		(Condensor)	
Ss	SDS	S1	SD1	Site Class	Seismic Design Category	Rp	ap	Rp	ap
0.667	0.563	0.265	0.366	D	D	2.5	1	6	2.5

Wind

Main Wind Force Resisting System				Component & Cladding (PSF)			
V	exposure	qz	GCpi	N/A	N/A	N/A	N/A
104 mph	B	13 psf	N/A	N/A	N/A	N/A	N/A

Deflection Limits:

Wood Roof Elements: Trusses and Joists

Total load: L/240

Live Load: L/360

1

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

REGISTERED PROFESSIONAL ENGINEER
DOUGLASS E. HAGNER
C 76963
EXP. 12/31/26
CIVIL
STATE OF CALIFORNIA

PUBLISH HISTORY

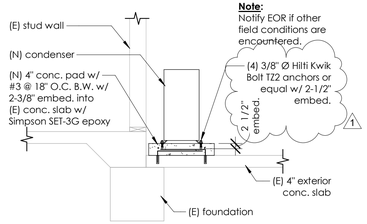
No.	DATE	PURPOSE
	11/08/24	BLDG PERMIT APP
1	02/18/25	PLAN CHECK #1

Structural Notes

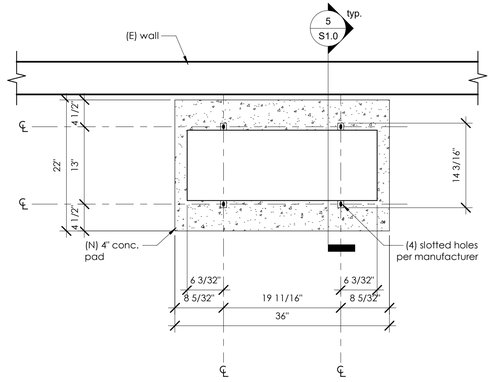
S0.0

2/17/2025 5:24:33 PM

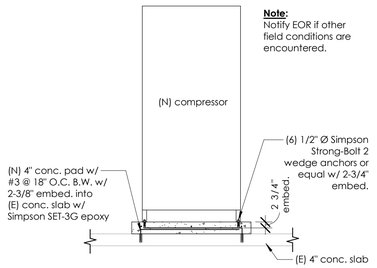
11/4/2024 3:45:03 PM



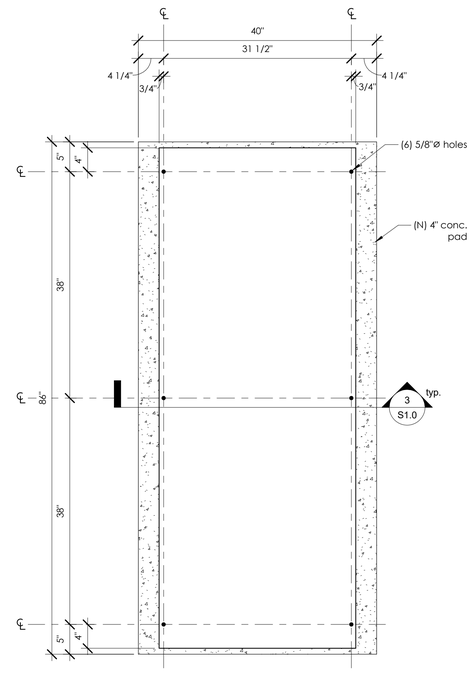
5 S1.0 Condenser Anchorage Detail
1/2" = 1'-0"



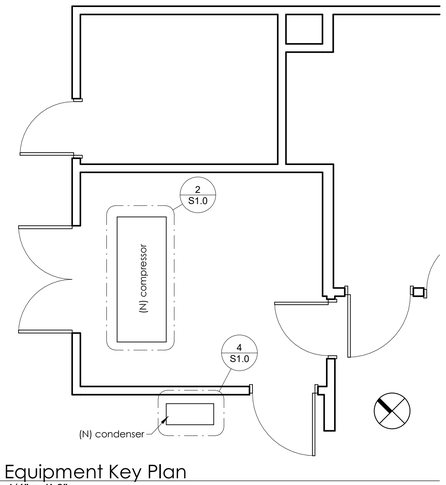
4 S1.0 Condenser Anchorage Plan
1" = 1'-0"



3 S1.0 Compressor Anchorage Detail
1/2" = 1'-0"



2 S1.0 Compressor Anchorage Plan
1" = 1'-0"



1 S1.0 Equipment Key Plan
1/4" = 1'-0"

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31,
SCBA COMPRESSOR
ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

REGISTERED PROFESSIONAL ENGINEER
DOUGLASS E. WAGNER
C 76963
EXP. 12/31/26
CIVIL
STATE OF CALIFORNIA

PUBLISH HISTORY

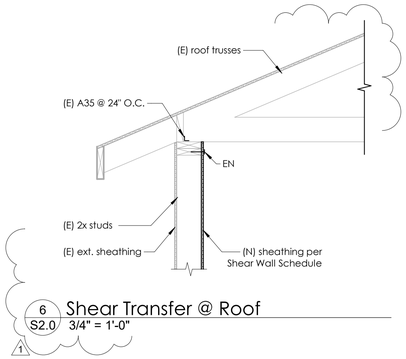
No.	DATE	PURPOSE
	11/08/24	BLDG PERMIT APP
1	02/18/25	PLAN CHECK #1

Equipment Anchorage Plan

S1.0

2/17/2025 5:24:33 PM

11/4/2024 3:45:03 PM



6 S2.0 Shear Transfer @ Roof
3/4" = 1'-0"

Shear Wall Schedule

Type Mark	Panel Thickness	Nail/Screw Type	Min. Pen.	Nail Spacing (Field/Edge)	Shear Capacity ASD	Sill Anchorage/Anchor Bolts
A	15/32" OSB	10d	1-1/2"	12"/6"	310 plf	min (1) 5/8" x 10" AB in sill plate, if none exists - install (1) 5/8" Ø Strong-Bolt 2 w/ 10" embed. (ESR-3037)

Holdown Schedule

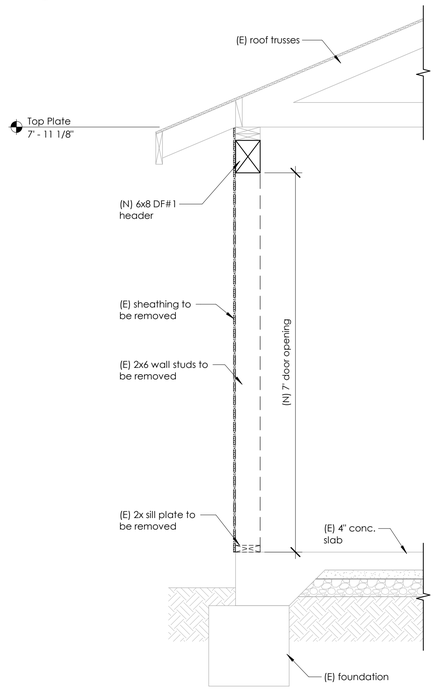
		Post Size ☒	Allowable Tension Load (ASD)	Min. Embed. Depth	Function	Comments
2	HDU 2	6x	3075 lb	12-5/8"	Exterior	Wood Fasteners: (6) 1/4" x 2-1/2" SDS Anchor Bolt Diameter: SET-3G w/ 5/8" Ø F1554 Gr. 36 AB w/ 10" min. embed. (ESR-4057)

Shear Wall Legend

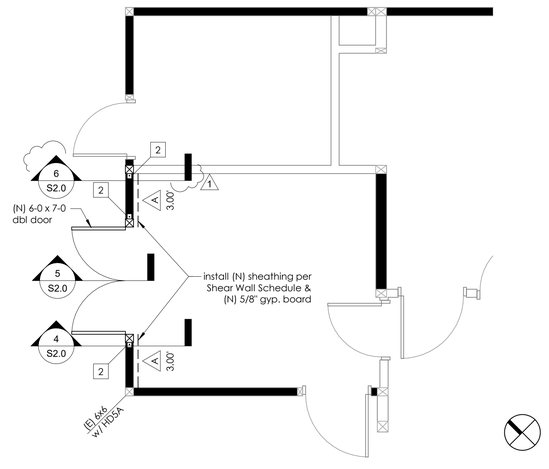
- 2x shear wall w/ min. 15/32" sheathing
- (E) 2x shear wall to be removed
- Align

Notes:

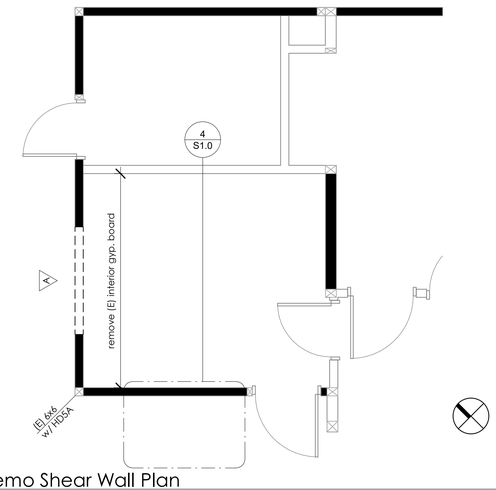
1. All dimensions are approx. VIF all dimensions as necessary.



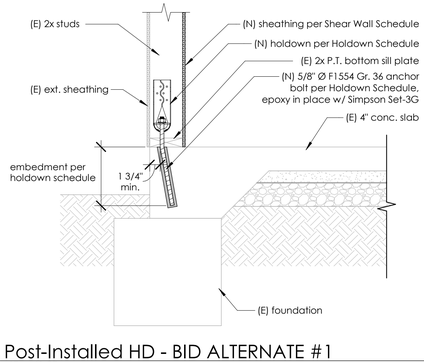
5 S2.0 Exterior Wall Section @ (N) Door Opening - BID ALTERNATE #1
3/4" = 1'-0"



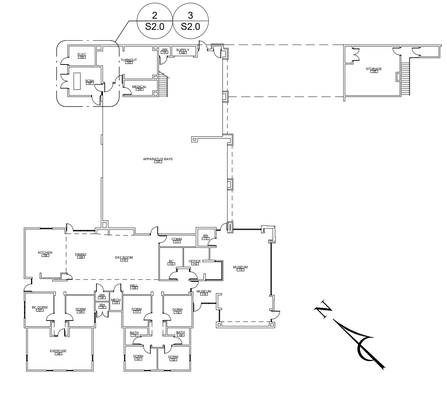
3 S2.0 (N) Shear Wall Plan - BID ALTERNATE #1
1/4" = 1'-0"



2 S2.0 (E)/Demo Shear Wall Plan
1/4" = 1'-0"



4 S2.0 Post-Installed HD - BID ALTERNATE #1
1" = 1'-0"



1 S2.0 Shear Wall Key Plan - BID ALTERNATE #1
1" = 30'-0"

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

REGISTERED PROFESSIONAL ENGINEER
DOUGLAS S. WAGNER
C 76963
EXP. 12/31/26
CIVIL
STATE OF CALIFORNIA

PUBLISH HISTORY

No.	DATE	PURPOSE
	11/08/24	BLDG PERMIT APP
1	02/18/25	PLAN CHECK #1

Shear Wall Plan

S2.0

2/7/2025 5:24:34 PM

11/4/2024 3:45:03 PM

AIR DISTRIBUTION DEVICE SCHEDULE (BASE BID)

MK. NO.	MANUFACTURER & MODEL NO.	FRAME TYPE	BLOW PATTERN	OBD	MODULE SIZE	NECK SIZE	REMARKS
CE-1	TITUS #350FL	SURFACE	--	NO	SEE PLAN	SEE PLAN	ALUMINUM, WHITE FINISH. SEE NOTES #1 & #2

NOTES:
1. PROVIDE SQUARE TO ROUND TRANSITIONS AS REQUIRED.
2. PAINT ALL VISIBLE INTERIOR PORTIONS OF TERMINAL DEVICES & CANS WITH FLAT BLACK ENAMEL PAINT.

EXHAUST FAN SCHEDULE (BASE BID)

MK. NO.	MANUFACTURER & MODEL NO.	DESCRIPTION	CFM	FAN RPM	SONES	S.P.	MOTOR HP	ELECTRICAL		OP. WEIGHT	REMARKS
								VOLT	PH		
EF-1	COOK #166	DOWNBLAST CENTRIFUGAL FAN	2640	542	5.4	0.4"	1/3	115	1	106 LBS	SEE NOTE #1, #2, #3, #4

NOTES:
1. DISCONNECT BY ELECTRICAL.
2. PROVIDE WITH BACKDRAFT DAMPER AND INSECT SCREEN
3. PROVIDE WITH LINE VOLT THERMOSTAT SET AT 90°F.
4. PROVIDE WITH SLOPED ROOF CURB 5/12, "COOK RCG". FAN TO BE INSTALLED LEVEL.

LOUVER SCHEDULE (BASE BID)

MK. NO.	MANUFACTURER & MODEL NO.	SIZE (W x H)	FREE AREA	VELOCITY	REMARKS
L-1	RUSKIN #ELF375DX	24" x 60"	5.30 SQ FT	500 FPM	SEE NOTE #1

NOTES:
1. STATIONARY EXHAUST LOUVER WITH ALUMINUM CONSTRUCTION. PROVIDE 1/2" BIRD SCREEN.

INDOOR FAN COIL SCHEDULE (BID ALTERNATE #2)

MK. NO.	MANUFACTURER & MODEL NO.	QTY.	DESCRIPTION	COOL MBH	HEAT MBH	CFM (HI)	ELECTRICAL				RL/RS SIZE	OP. WEIGHT	REMARKS
							VOLTS	PH	HZ	MCA			
FC-1	MITSUBISHI#TPKA0A0121LA10A	1	WALL MOUNTED DUCTLESS FAN COIL	12.0	18.0	385	208	1	60	1.0	1/4" 1/2"	28 LBS	SEE NOTES #1, #2

NOTES:
1. PROVIDE WITH FACTORY HARD WIRED THERMOSTAT. T-STAT TO BE ACCESSIBLE WITH TOP MOUNTED AT 48" A.F.F.
2. PROVIDE WITH CONDENSATE PUMP, ROUTE CONDENSATE OVERHEAD.

CONDENSING UNIT SCHEDULE (BID ALTERNATE #2)

MK. NO.	MANUFACTURER & MODEL NO.	QTY.	DESCRIPTION	COOL MBH	HEAT MBH	NOM. TONS	ELECTRICAL					SEER 2	OP. WEIGHT	REMARKS
							VOLTS	PH	HZ	MCA	MOCP			
CU-1	MITSUBISHI#TRUZA0121KA70NA	1	OUTDOOR CONDENSING UNIT	12.0	18.0	1	208	1	60	11.0	28.0	21.3	93 LBS	SEE NOTES #1, #2

NOTES:
1. REFRIGERANT TYPE R-410A
2. DISCONNECT BY ELECTRICAL

PLUMBING FIXTURE SCHEDULE (BID ALTERNATE #2)

MARK	DESCRIPTION
WB-1	WALL BOX: GALVANIZED STEEL WASHING MACHINE BOX, CENTER DRAIN, IPS "GUY GRAY" #FB150 REFER TO DETAIL 4/M-3.0 FOR CONNECTION/PIPING DIAGRAM
AG-1	AIR GAP FITTING: 3/4" INLET, 1-1/2" OUTLET, JR SMITH #281-S

* INDICATES ADA/HCP COMPLIANT FIXTURE.

PLUMBING MATERIAL SPECIFICATIONS

A. DWV
PIPE: SERVICE WEIGHT CAST IRON SOIL PIPE PER ASTM A-74
FITTINGS: CAST IRON "NO-HUB" PER CISPI 310

B. DOMESTIC WATER
PIPE: COPPER TYPE L PER ASTM B-88
FITTINGS: WROUGHT COPPER PER ANSI 16.22
INSULATION (3/4" DIA. PIPE AND SMALLER): INSULATE HW & HWR WITH 1" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET
INSULATION (1" - 1-1/2" DIA. PIPE): INSULATE HW & HWR WITH 1-1/2" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET
INSULATION (2" DIA. PIPE AND LARGER): INSULATE HW & HWR WITH 2" FIBERGLASS INSULATION AND ALL-SERVICE-JACKET

C. CONDENSATE DRAIN
PIPE: COPPER TYPE L PER ASTM B-88
FITTINGS: WROUGHT COPPER PER ANSI 16.22

MECHANICAL GENERAL NOTES

1. SCOPE:
A NEW COMPLETE HVAC SYSTEM, INCLUDING MECHANICAL EQUIPMENT & DUCTWORK AS GENERALLY DELINEATED ON THE DRAWINGS. EQUIPMENT SHALL COMPLY WITH TITLE 24 CALIFORNIA CODE OF REGULATIONS.
2. CODES:
ALL WORK MATERIAL AND EQUIPMENT SHALL BE FURNISHED AND INSTALLED IN COMPLIANCE WITH THE FOLLOWING CODES AS ADOPTED AND AMENDED BY THE INSPECTING AUTHORITY HAVING JURISDICTION. NOTHING IN THESE PLANS SHALL BE CONSTRUED TO PERMIT THE INSTALLATION OF WORK, MATERIAL OR EQUIPMENT NOT CONFORMING TO THESE OR OTHER CODES APPLICABLE TO THIS PROJECT:
   - A. 2022 CALIFORNIA ADMINISTRATIVE CODE (CAC) PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
   - B. 2022 CALIFORNIA BUILDING CODE (CBC) PART 2, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
   - C. 2022 CALIFORNIA ELECTRICAL CODE (CEC) PART 3, TITLE 24, CCR BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
   - D. 2022 CALIFORNIA MECHANICAL CODE (CMC) PART 4, TITLE 24, CCR BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
   - E. 2022 CALIFORNIA PLUMBING CODE (CPC) PART 5, TITLE 24, CCR BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
   - F. 2022 CALIFORNIA ENERGY CODE (CEC) PART 6, TITLE 24 CCR.
   - G. 2022 CALIFORNIA FIRE CODE (CFC) PART 9, TITLE 24, CCR BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)
   - H. 2022 CALIFORNIA GREEN BUILDING STANDARDS (CGBSC) PART 11, TITLE 24, CCR
3. WORKMANSHIP:
ALL WORKMANSHIP SHALL BE DONE IN A NEAT AND ORDERLY MANNER ACCORDING TO THE BEST TRADE PRACTICE BY THOSE SKILLED IN THE PARTICULAR TRADE. EQUIPMENT, DUCTS, GRILLES, ETC., SHALL BE PLUMB, LEVEL, SQUARE OR CENTERED ETC., TO GIVE A NEAT AND PLEASING APPEARANCE. ALL EQUIPMENT SHALL BE INSTALLED IN STRICT COMPLIANCE WITH MANUFACTURER'S RECOMMENDATIONS.
4. AVAILABLE POWER:
THE MECHANICAL CONTRACTOR SHALL CONFIRM ALL SYSTEMS VOLTAGES BEFORE BIDDING OR ORDERING EQUIPMENT, AND SHALL ALLOW FOR BUCK & BOOST TRANSFORMERS IF REQUIRED.
5. AIR BALANCE:
THE AIR DISTRIBUTION SYSTEM SHALL BE BALANCED TO DELIVER SPECIFIED AIR QUANTITIES FOLLOWING THE PROCEDURES OF THE LATEST EDITION OF THE SMACNA PUBLICATION PROCEDURAL STANDARDS FOR TESTING ADJUSTING & BALANCING OF ENVIRONMENTAL SYSTEMS. CONTRACTOR SHALL PROVIDE ACCESSIBLE & ADJUSTABLE VOLUME DAMPERS AS REQUIRED TO BALANCE THE SYSTEMS AND MAINTAIN A NOISE CRITERIA LEVEL NOT TO EXCEED 30.
THE AIR BALANCE TECHNICIAN SHALL BE RESPONSIBLE TO MODIFY ALL SUPPLY, RETURN, AND EXHAUST FAN SHEAVES & VFD OUTPUT FREQUENCY LIMITS AS APPLICABLE SUCH THAT THE DESIGN AIR FLOWS ARE MET. ALL SUPPLY FANS CONTROLLED FOR FILTER LOADING SHALL SIMILARLY BE MODIFIED TO ENSURE THE FULL RANGE OF MOTOR POWER IS AVAILABLE TO THE CONTROL SYSTEM. RATED MAXIMUM FAN SPEED SHALL NOT BE EXCEEDED.
6. PERMITS AND UTILITY SERVICE FEES:
CONTRACTOR TO ARRANGE AND PAY FOR ALL PERMITS, INSPECTIONS AND SERVICE CHARGES REQUIRED IN THE INSTALLATION OF THE WORK.
7. EXISTING INFORMATION:
LOCATION, SIZE, MATERIAL, ETC. OF EXISTING SYSTEMS, ETC., IS PROVIDED FROM SOURCES DEEMED TO BE RELIABLE BUT IS NOT GUARANTEED. CONTRACTOR SHALL FIELD VERIFY ALL DATA BEFORE PROCEEDING WITH ANY WORK. NO EXTRA COST WILL BE ALLOWED FOR CONDITIONS NOT AS SHOWN.
8. ACCURACY:
PLANS ARE DIAGRAMMATIC. CONTRACTOR SHALL CONFIRM ALL DIMENSIONS AND LOCATIONS OF AC UNITS, EXHAUST FANS, WALLS, PARTITIONS ETC., AGAINST ARCHITECTURAL AND STRUCTURAL DESIGN PLANS FOR LOCATION CONSISTENCY & ACCURACY PRIOR TO COMMENCING WITH ANY WORK.
9. PAINTING:
PAINT ALL VISIBLE INTERIOR PORTIONS OF TERMINAL DEVICES & CANS WITH FLAT BLACK ENAMEL PAINT.
10. SIZES:
DUCTWORK SIZES ON PLANS ARE INSIDE NET FREE AREA.
11. MECHANICAL EQUIPMENT:
ALL EQUIPMENT SHALL BE LISTED BY AN APPROVED TESTING AGENCY AND INSTALLED IN ACCORDANCE WITH ITS INSTALLATION INSTRUCTIONS AND LISTING.

DUCTWORK NOTES

1. ALL WORK TO BE DONE IN ACCORDANCE WITH THE LATEST EDITION OF THE APPLICABLE SMACNA STANDARDS AND FABRICATION GUIDELINES. ALL METAL DUCTS SHALL BE CONSTRUCTED OF GALVANIZED SHEET METAL PER CALIFORNIA MECHANICAL CODE STANDARDS, UNLESS NOTED OTHERWISE.
2. DUCT PRESSURE CLASS SHALL BE MINIMUM 2" W.C. AND SHALL EXCEED THE FAN SYSTEM DESIGN EXTERNAL STATIC PRESSURE WHERE APPLICABLE.
3. PROVIDE TURNING VANES ON ALL SQUARE THROAT ELBOWS. RADIUS ELBOWS SHALL HAVE A THROAT RADIUS EQUAL TO OR GREATER THAN THE DUCT WIDTH. (USE SMACNA ELBOW TYPES RE 1 OR RE 2 ONLY, UNLESS NOTED OTHERWISE.)
4. DIVIDED FLOW BRANCHES SHALL SPLIT WITH ELBOWS PER NOTE 3. (USE SMACNA TYPE 1, 2, OR 4A/4B UNLESS NOTED OTHERWISE.)
5. BRANCH FITTING TAKEOFFS SHALL BE WYES, 45° LEAD IN, OR CONICAL/BELLMOUTH TAPS UNLESS NOTED OTHERWISE. DO NOT USE STRAIGHT TAPS.
6. ALL SUPPLY AND RETURN DUCT SHALL BE INSULATED PER T24 THICKNESS AND R-VALUE REQUIREMENTS (CEC 120.4(a)):
   - 6.1. SUPPLY DUCT: MIN. R-4.2, BUT R-8 WHERE EXPOSED TO EXTERIOR OR UNCONDITIONED SPACE.
   - 6.2. RETURN DUCT: MIN. R-4.2, BUT R-8 WHERE EXPOSED TO EXTERIOR OR UNCONDITIONED SPACE.
   - 6.3. EXHAUST DUCT: NO INSULATION EXCEPT AS SHOWN.
7. EXTERNAL INSULATION EXPOSED TO WEATHER SHALL BE WEATHERPROOFED AND SHALL BE PAINTED TO MATCH ADJACENT SURFACE.
8. PROVIDE DUCT LEAKAGE TEST PER CMC 603.9.2.

DEMOLITION NOTES

1. THE CONTRACTOR SHALL VISIT THE PROJECT SITE AND MAKE HIMSELF AWARE OF ALL EXISTING CONDITIONS WHICH CAN BE OBSERVED. ADDITIONAL COSTS WILL NOT BE ALLOWED FOR CORRECTION OF ITEMS WHICH CAN BE OBSERVED AND THEREFORE SHOULD BE INCLUDED IN HIS BID. THE CONTRACTOR IS RESPONSIBLE FOR ALL DEMOLITION WORK REQUIRED TO COMPLETE THIS PROPOSED PROJECT.
2. THE NOTES AND DRAWINGS CONTAINED ON THIS SHEET DESCRIBE IN A GENERAL SENSE THE EXTENT OF ITEMS TO BE MODIFIED, REMOVED OR INSTALLED. THIS DESCRIPTION DOES NOT NECESSARILY INCLUDE A DESCRIPTION OF ITEMS TO BE REPAIRED OR REFINISHED AS A RESULT OF THIS REMOVAL OR MODIFICATION. IN THE ABSENCE OF ANY SPECIFIC DIRECTION, THE CONTRACTOR SHALL REPAIR THE AFFECTED AREA(S) TO A CONDITION EQUAL TO THE ADJACENT AREA(S) AND/OR SIMILAR EXISTING CONDITIONS ON PROJECT.
3. THE CONTRACTOR SHALL PROVIDE DUST AND DEBRIS CONTROL THROUGHOUT THE PROJECT'S CONSTRUCTION. THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE BUILDING OWNER TO PROVIDE THE LEAST INTERRUPTION OF EXISTING BUILDING OPERATIONS. COORDINATE WITH THE OWNER THE LOCATION OF ON-SITE STORAGE AND STAGING.
4. NOT ALL REQUIRED PATCHING AND/OR REPAIRS ARE SPECIFICALLY NOTED ON THIS PLAN.
5. COORDINATE DEMOLITION WORK WITH NEW PROPOSED FLOOR PLANS.
6. CONTRACTOR SHALL DISCARD AND DISPOSE OF ALL DEMOLISHED ITEMS.
7. EXISTING PIPING AND ELECTRICAL OR COMMUNICATION CONDUITS WHICH INTERFERE WITH THE WORK SHALL BE RE-ROUTED BY THE CONTRACTOR.

MECHANICAL LEGEND

DESCRIPTION	SYMBOL
SUPPLY AIR DUCT CROSS SECTION	SA
RETURN AIR DUCT CROSS SECTION	RA
EXHAUST AIR DUCT CROSS SECTION	EA
SUPPLY AIR DUCT - SINGLE LINE	
RETURN AIR DUCT - SINGLE LINE	
EXHAUST AIR DUCT - SINGLE LINE	
DUCT SIZE NET INSIDE DIMENSION	12"x8" 12"x8"
FLEXIBLE DUCT CONNECTION	
DUCT DROP/RISE	
VOLUME DAMPER W/ LOCKING QUADRANT	VD VD
AUTO MOTORIZED CONTROLLED DAMPER	MD MD
FIRE DAMPER / CEILING FIRE DAMPER	FD FD/CFD
MOTORIZED FIRE / SMOKE DAMPER	FSD FSD

AIR REGISTER TAGS

1ST DIGIT - LOCATION: C-CEILING, W-WALL, F-FLOOR
2ND DIGIT - DUCT SYSTEM: S-SUPPLY, R-RETURN, E-EXHAUST
3RD DIGIT - IDENTIFIER: -1, -2, ETC. SEE SCHEDULE
300 CFM = CUBIC FEET PER MINUTE
12"x12" = NECK/COLLAR SIZE

EXAMPLES: CS-1 300 CFM 12x12; CS-2 300 CFM 12x12; WS-1 300 CFM 14x8

DESCRIPTION	SYMBOL
SMOKE DETECTOR	SD
DUCT WITH ACOUSTICAL LINING	
TO BE REMOVED	X X X X X X X X
THERMOSTAT, MOUNT TOP AT +48" AFF	T 1-8
CONDENSATE DRAIN LINE	CD
EQUIPMENT TAG	X / X
2-WAY CONTROL VALVE	
3-WAY CONTROL VALVE	
BALANCE VALVE	
BUTTERFLY VALVE	
CHECK VALVE	
FLEXIBLE COUPLING	
GLOBE VALVE	
MANUAL AIR VENT - MAV	
PETES PLUG	
PRESSURE GAUGE	P
PRESSURE REDUCING VALVE - PRV	
REDUCER	
SHUT OFF COCK	
SHUT OFF VALVE	
STRAINER	
THERMOMETER	
UNION	
CHILLED WATER SUPPLY	CHWS
CHILLED WATER RETURN	CHWR
CONDENSER WATER SUPPLY	CWS
CONDENSER WATER RETURN	CWR
HEATING HOT WATER SUPPLY	HHWS
HEATING HOT WATER RETURN	HHWR
HIGH PRESSURE STEAM	HPS
LOW PRESSURE STEAM	LPS
VENT	V
EXHAUST AIR	E.A.
ABOVE FINISHED FLOOR	A.F.F.
ACCESS DOOR / ACCESS PANEL	A.D. / A.P.
ANALOG INPUT / ANALOG OUTPUT	AI / AO
AUTOMATIC AIR VENT	AAV
CUBIC FEET PER HOUR	CFH
CUBIC FEET PER MINUTE	CFM
DIGITAL INPUT / DIGITAL OUTPUT	DI / DO
EXISTING	(E)
FLOW SWITCH	FS
GALLONS PER MINUTE	GPM
THOUSANDS OF BTU'S PER HOUR	MBH
NEW	(N)
NOT IN MECHANICAL CONTRACT	N.I.M.C.
OUTSIDE AIR	OSA
POINT OF CONNECTION	POC
REFRIGERANT LIQUID / REFRIGERANT SUCTION	RL / RS

SHEET INDEX

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
HVAC . Plumbing/Piping . Fire Sprinklers
Process/Plant Engineering . Refrigeration

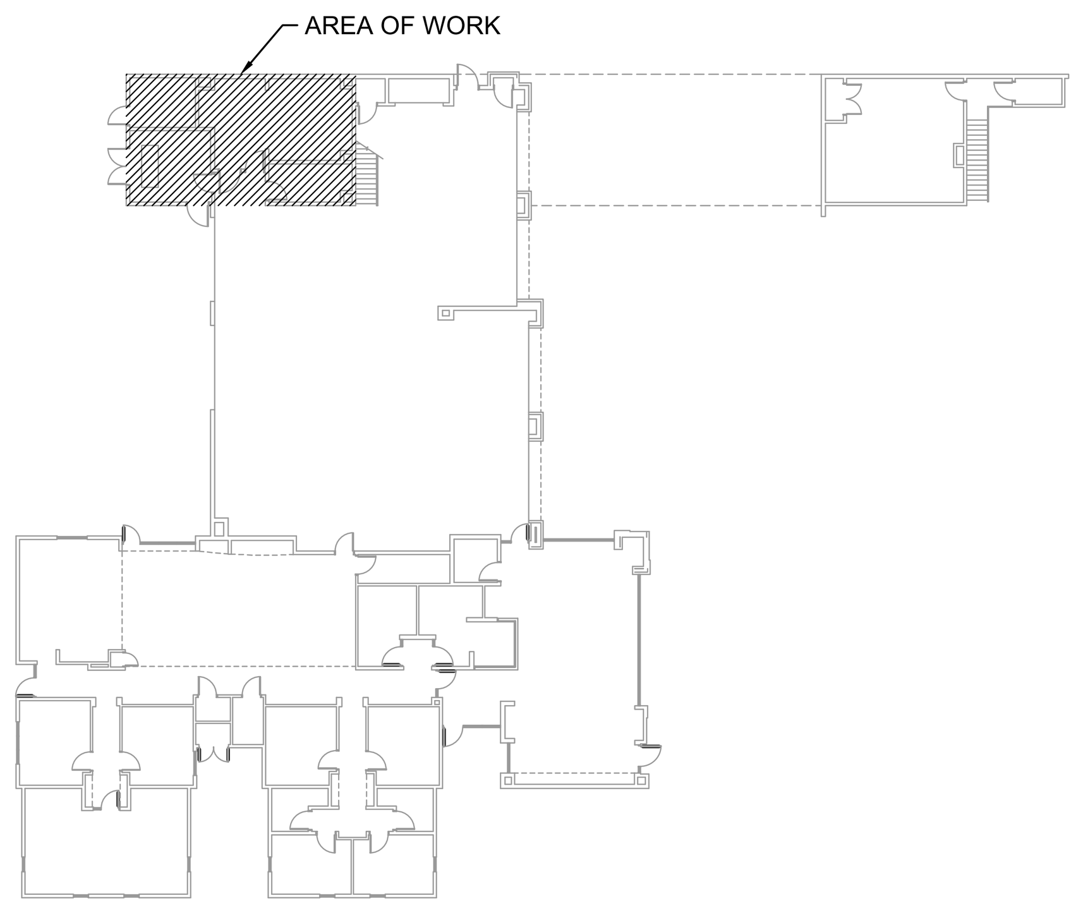
REGISTERED PROFESSIONAL ENGINEER
ALLEN LAYMAN
M30029
JUNE 30, 2026
MECHANICAL
STATE OF CALIFORNIA

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
1	02.18.25	PLAN CHECK #1

MECHANICAL - LEGEND, SCHEDULES, & NOTES

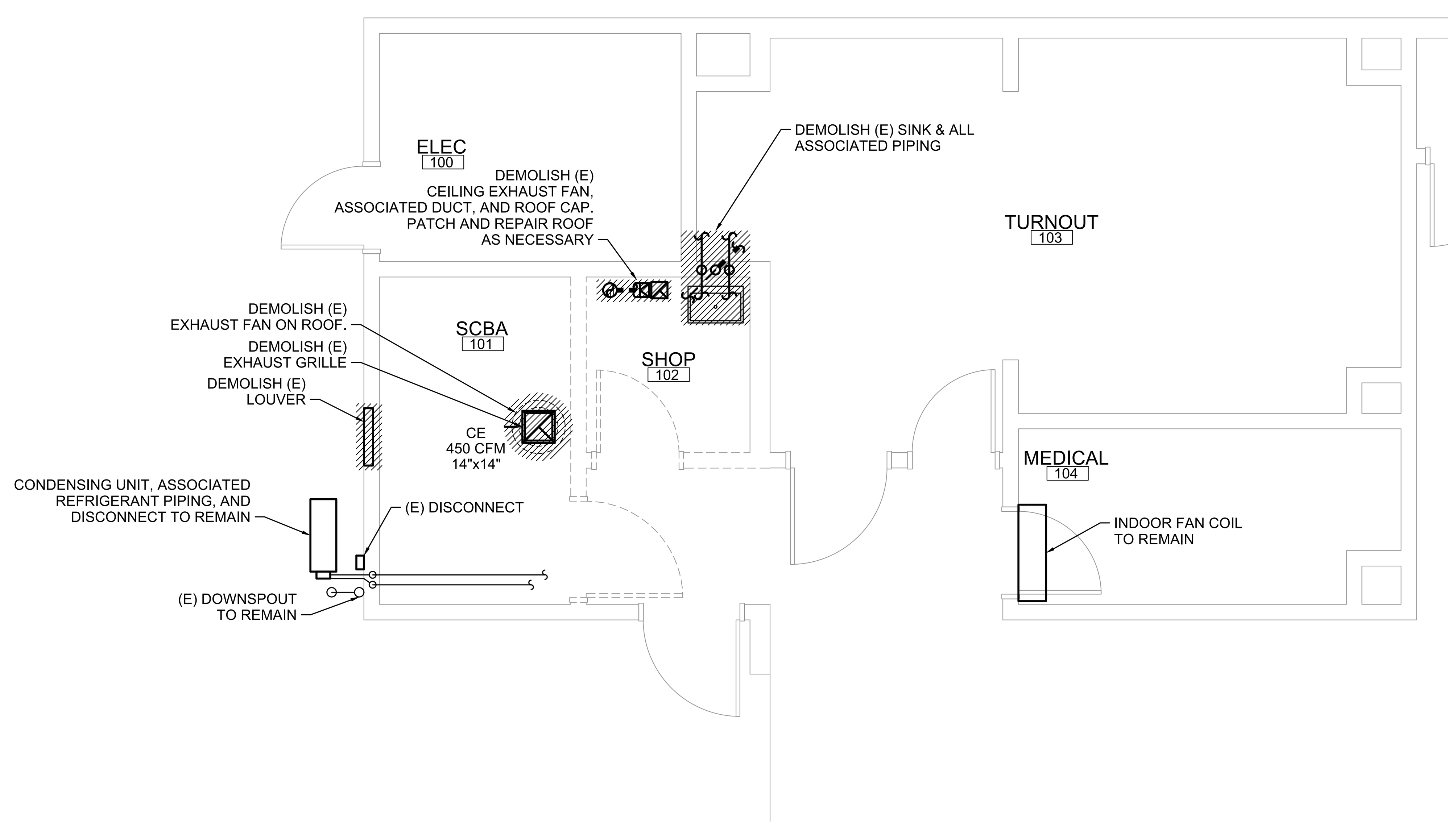
M-1.0



1 M-2.0 MECHANICAL - KEY PLAN

SCALE: 1/32" = 1'-0"

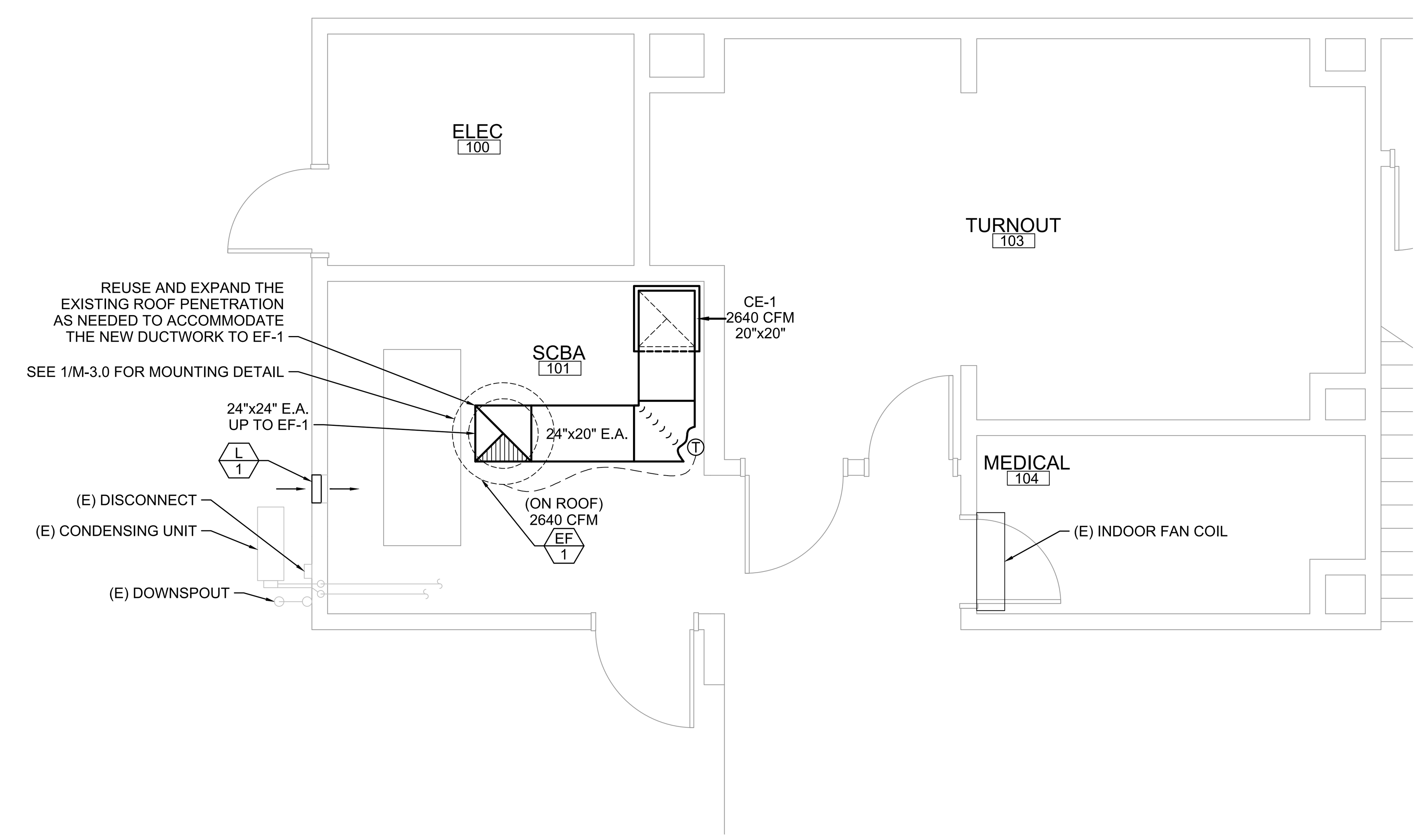
NORTH



2 M-2.0 MECHANICAL - BASE BID DEMOLITION FLOOR PLAN

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

NORTH



3 M-2.0 MECHANICAL - BASE BID FLOOR PLAN

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

NORTH

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

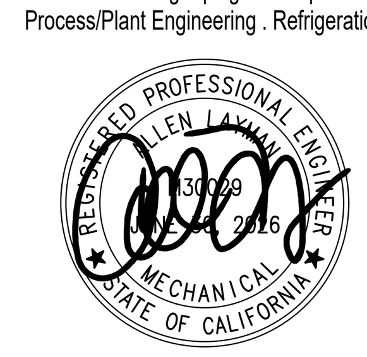
T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
HVAC . Plumbing/Piping . Fire Sprinklers
Process/Plant Engineering . Refrigeration

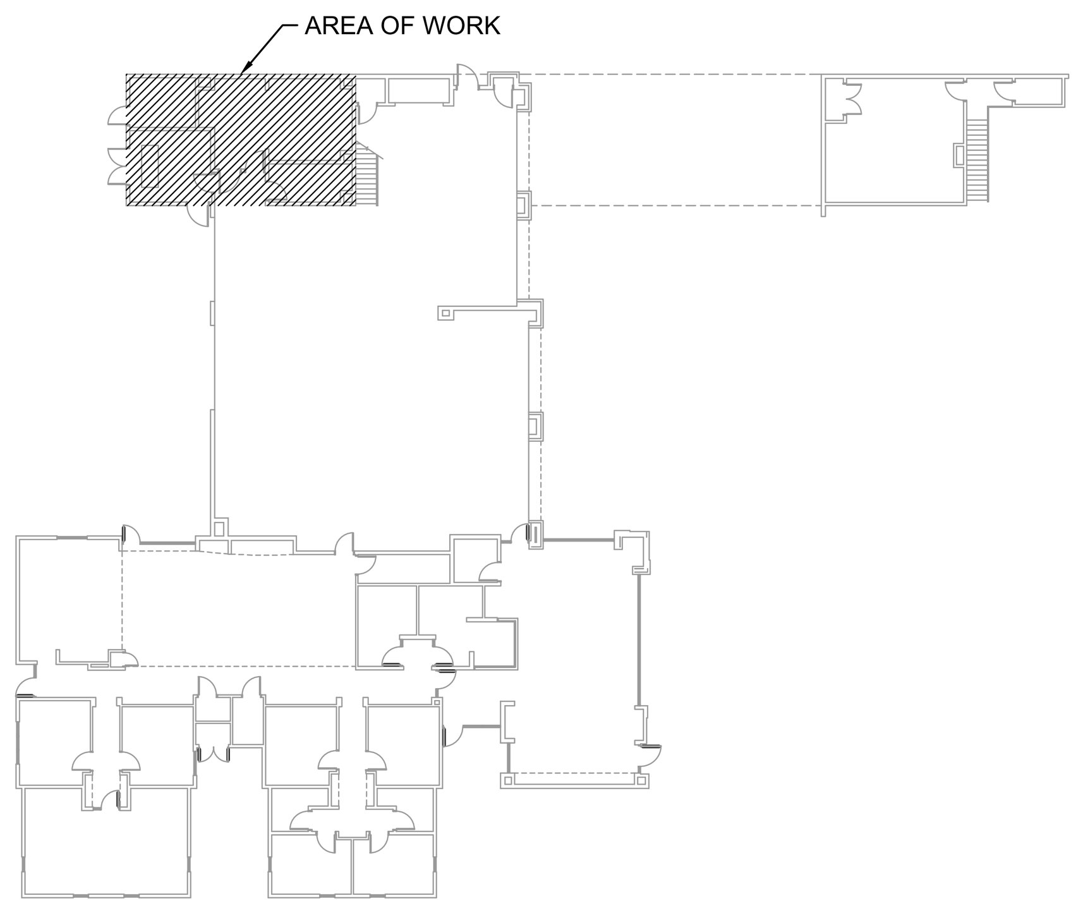


PUBLISH HISTORY:

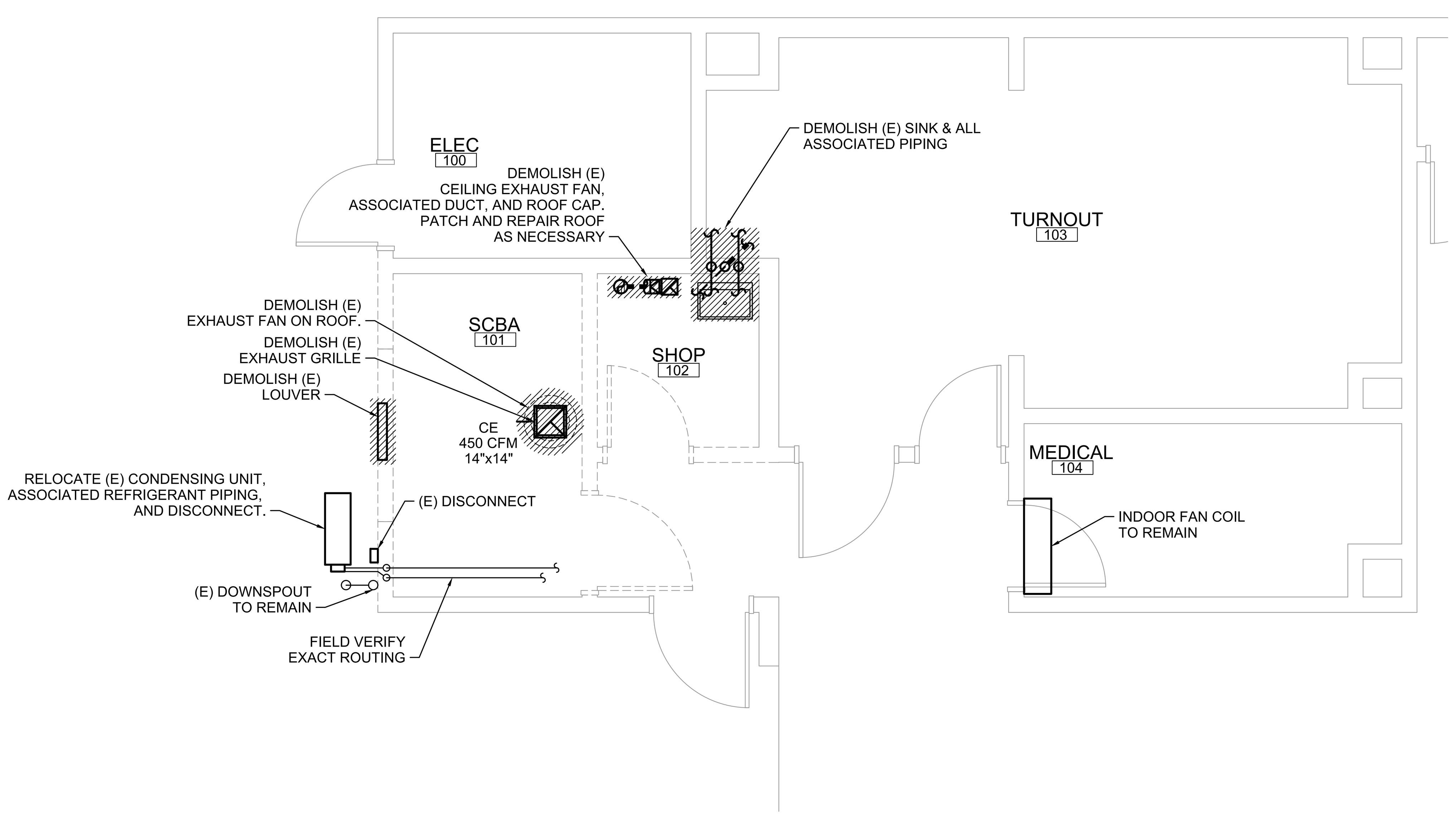
No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
1	02.18.25	PLAN CHECK #1

MECHANICAL - BASE BID DEMOLITION AND FLOOR PLANS

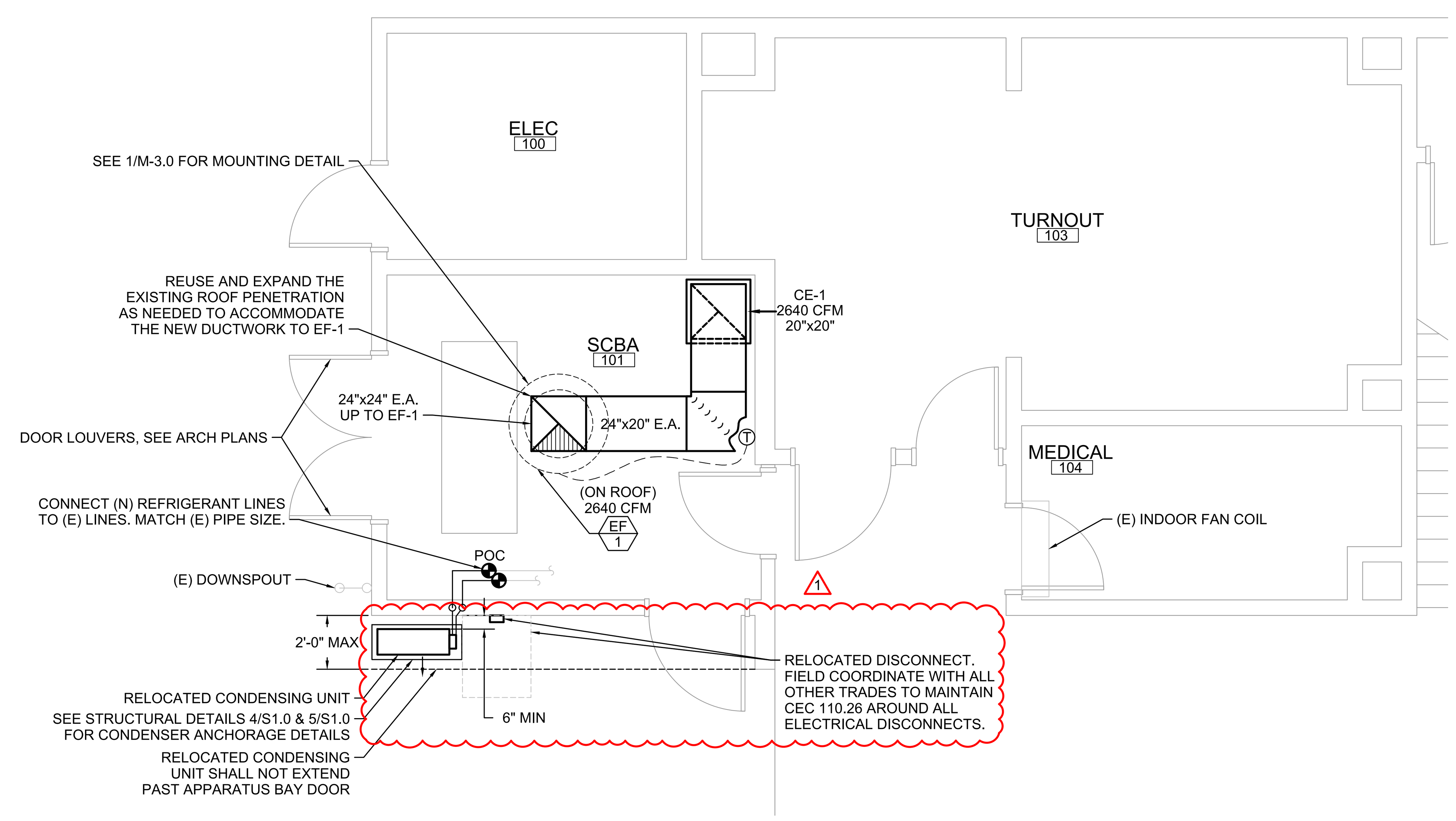
M-2.0



1 M-2.1 MECHANICAL - KEY PLAN
SCALE: 1/32" = 1'-0"
NORTH



2 M-2.1 MECHANICAL - BID ALT. 1 DEMOLITION FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH



3 M-2.1 MECHANICAL - BID ALT. 1 FLOOR PLAN
SCALE: 1/4" = 1'-0"
NORTH

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM
540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

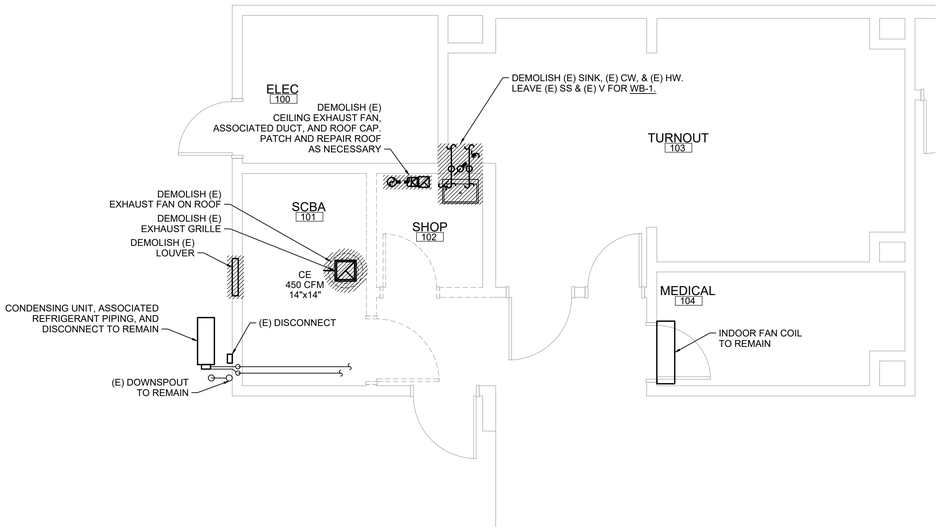
neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
HVAC . Plumbing/Piping . Fire Sprinklers
Process/Plant Engineering . Refrigeration

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
1	02.18.25	PLAN CHECK #1

MECHANICAL - BID ALT. 1 DEMOLITION AND FLOOR PLANS

M-2.1

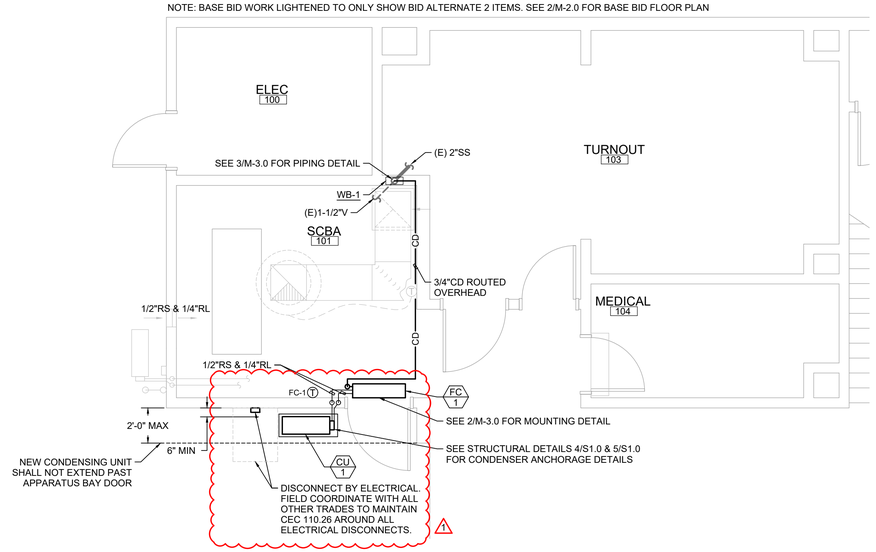


1 M-2.2 MECHANICAL - BASE BID & BID ALT. 2 DEMOLITION FLOOR PLAN

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

NORTH

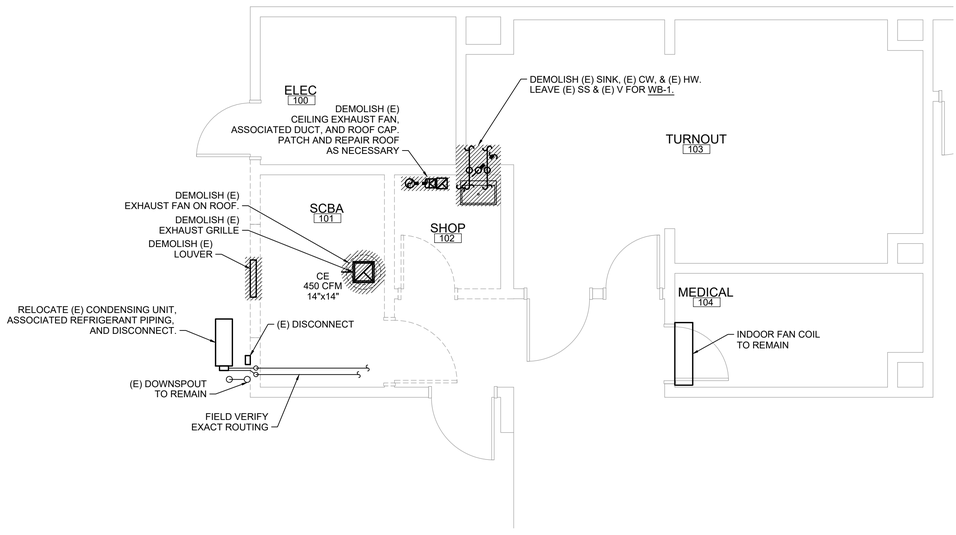
NOTE: BASE BID WORK LIGHTENED TO ONLY SHOW BID ALTERNATE 2 ITEMS. SEE 2/M-2.0 FOR BASE BID FLOOR PLAN



2 M-2.2 MECHANICAL - BASE BID & BID ALT. 2 FLOOR PLAN

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

NORTH

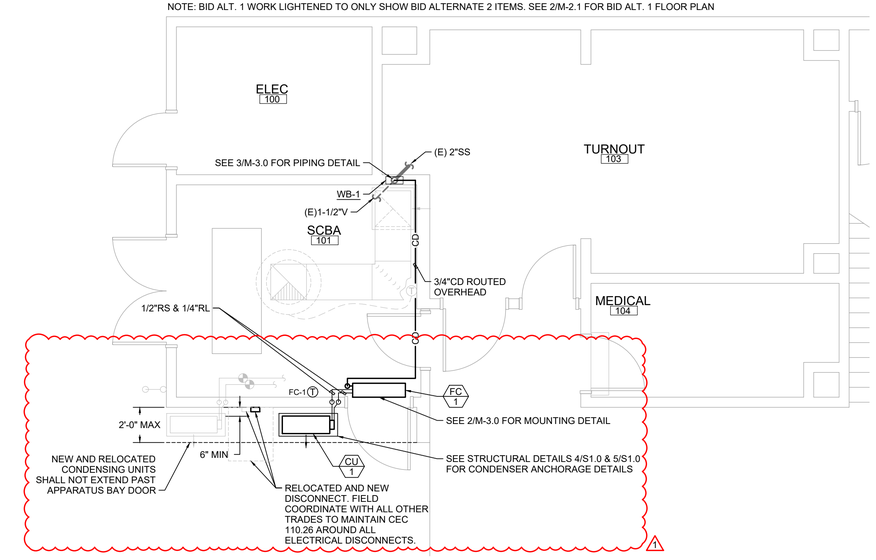


3 M-2.2 MECHANICAL - BID ALT. 1 & 2 DEMOLITION FLOOR PLAN

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

NORTH

NOTE: BID ALT. 1 WORK LIGHTENED TO ONLY SHOW BID ALTERNATE 2 ITEMS. SEE 2/M-2.1 FOR BID ALT. 1 FLOOR PLAN



4 M-2.2 MECHANICAL - BID ALT. 1 & 2 FLOOR PLAN

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

NORTH

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31,
SCBA COMPRESSOR
ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
HVAC . Plumbing/Piping . Fire Sprinklers
Process/Plant Engineering . Refrigeration

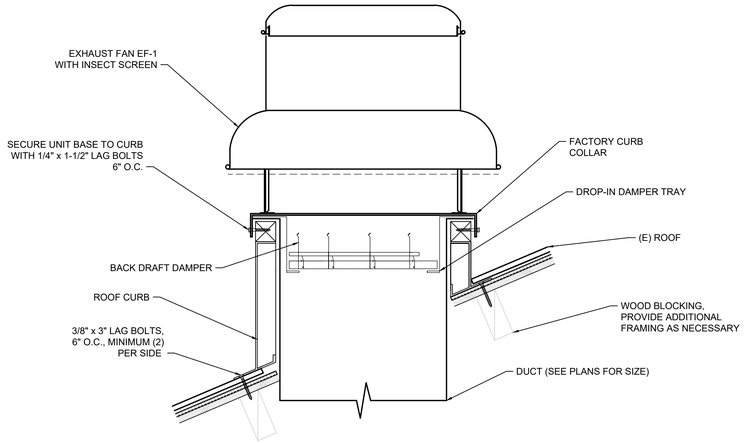
PUBLISH HISTORY:

NO.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
1	02.18.25	PLAN CHECK #1

MECHANICAL - BID ALT. 2
DEMOLITION AND FLOOR
PLANS

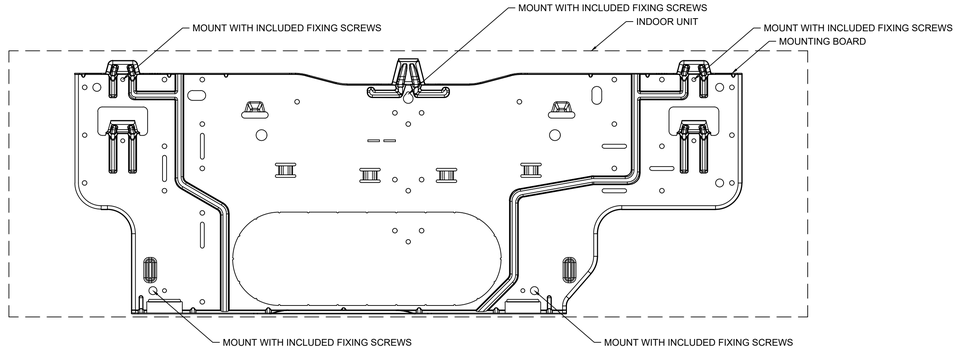
M-2.2

11/4/2024 3:45:03 PM



1 / M-3.0 ROOF EXHAUST FAN DETAIL

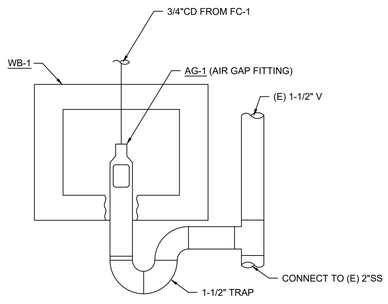
SCALE: NONE



NOTE: MOUNT INDOOR UNIT ONTO BRACKET PER MANUFACTURER'S SPECIFICATIONS.

2 / M-3.0 INDOOR UNIT MOUNTING DETAIL

SCALE: NONE



3 / M-3.0 WB-1 & AG-1 MOUNTING DETAIL

SCALE: NONE

WMB
ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31,
SCBA COMPRESSOR
ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

neXus engineering
Consulting Mechanical Engineers
1400 Lone Palm Ave, Suite A
Modesto, CA 95351
Tel: 209.572.7399 Fax: 209.236.1579
www.nexusengineering.net
HVAC . Plumbing/Piping . Fire Sprinklers
Process/Plant Engineering . Refrigeration

PUBLISH HISTORY:

No.	DATE	PURPOSE
	11.08.24	BLDG PERMIT APP
1	02.18.25	PLAN CHECK #1

MECHANICAL - DETAILS

M-3.0

1/14/2024 3:45:03 PM

PEZZONI ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
1150 9TH Street Suite #1415 Modesto, CA 95354
PHONE: 209 . 554 . 4622
HTTP://WWW.PEZENGR.COM

WMB ARCHITECTS

5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

GENERAL ELECTRICAL LEGEND

- CONCRETE PULL BOX –SIZE AS NOTED – LIDS AS NOTED 'P' POWER, 'S' SIGNAL, 'F' FIRE ALARM & 'D' DATA; '–T' DENOTES TRAFFIC LID
- CONDUIT –SURFACE MOUNTED OR ABOVE CEILING –EMT WITH COMPRESSION FITTING UNLESS NOTED ON PLANS
- CONDUIT –CONCEALED BELOW FLOOR IN EMT OR UNDERGROUND IN PVC SCH 40 WITH IMC ELBOWS
- HOMERUN TO PERSPECTIVE PANEL OR CABINET –BRANCH CIRCUIT WITH OUT FURTHER DESIGNATION IS A #12 WIRE CIRCUIT
- FLEX
- TERMINAL CABINET
- PANEL BOARD –SEE SCHEDULE
- MOTOR/EXHAUST FAN –N.I.E.S. –CONNECT AS REQUIRED
- DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- HALF SWITCHED DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- HALF SWITCHED QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- FLOOR POWER RECEPTACLE –WALKER OR EQUAL
- GFCI DUPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- GFCI QUADPLEX RECEPTACLE +15" A.F.F. FROM BOTTOM OF BOX U.O.N.
- JUNCTION BOX –4 11/16" x 2 1/8" SQUARE OR SMALL
- JUNCTION BOX –LARGER THAN 4 11/16" x 2 1/8" SQUARE

GROUND WIRE SIZE – XX – NEUTRAL CKT. WIRE

ELECTRICAL COMPLIANCE NOTES

THE INTENT OF THE DRAWINGS AND SPECIFICATION IS TO CONSTRUCT THE PROPOSED BUILDING IN ACCORDANCE WITH TITLE 24, CALIFORNIA CODE OF REGULATIONS. ALL WORK PERFORMED UNDER THIS CONTRACT SHALL CONFORM TO THE FOLLOWING CODES AND REGULATIONS AS APPLICABLE:

2022 CALIFORNIA ADMINISTRATIVE CODE (CAC)
PART 1, TITLE 24, CALIFORNIA CODE OF REGULATIONS (CCR)
2022 CALIFORNIA BUILDING CODE (CBC)
PART 2, TITLE 24, CCR
BASED ON THE 2021 INTERNATIONAL BUILDING CODE (IBC)
2022 CALIFORNIA ELECTRICAL CODE (CEC)
PART 3, TITLE 24, CCR
BASED ON THE 2020 NATIONAL ELECTRICAL CODE (NEC)
2022 CALIFORNIA MECHANICAL CODE (CMC)
PART 4, TITLE 24, CCR
BASED ON THE 2021 UNIFORM MECHANICAL CODE (UMC)
2022 CALIFORNIA PLUMBING CODE (CPC)
PART 5, TITLE 24, CCR
BASED ON THE 2021 UNIFORM PLUMBING CODE (UPC)
2022 CALIFORNIA FIRE CODE (CFC)
PART 9, TITLE 24, CCR
BASED ON THE 2021 INTERNATIONAL FIRE CODE (IFC)
2022 NFPA 72, NATIONAL FIRE ALARM & SIGNALING CODE
w/ CALIFORNIA AMENDMENTS.

UNLESS OTHERWISE STATED, IT IS INTENDED THAT THE ABOVE CODES AND REGULATIONS REFER TO THE LATEST EDITION OR REVISION IN EFFECT ON THE DATE OF THE CONTRACT. NOTHING ON THE DRAWING IS TO BE CONSTRUED AS REQUIRING OR PERMITTING WORK THAT IS CONTRARY TO THE ABOVE LISTED CODES AND REGULATIONS, OR OTHER LOCAL, STATE OR FEDERAL CODES OR REGULATIONS WHICH MAY BE APPLICABLE.

GENERAL ELECTRICAL NOTES

1. PROVIDE ALL LABOR, MATERIALS, TOOLS, PLANT EQUIPMENT, TRANSPORTATION AND ALL PERFORM ALL OPERATIONS NECESSARY FOR THE PROPER EXECUTION AND COMPLETION OF ALL ELECTRICAL WORK REQUIRED FOR THE COMPLETE AND OPERATING SYSTEMS AS OUTLINED WITHIN THE SCOPE OF WORK.
2. THE SIZE AND LOCATIONS OF EQUIPMENT ARE SHOWN TO SCALE WHEREVER POSSIBLE, CONTRACTOR SHALL MAKE USE OF ALL DATA IN ALL CONTRACT DOCUMENTS AND VERIFY THIS INFORMATION AT THE SITE.
3. CONDUCTORS SHALL BE COPPER CONDUCTORS TYPE AS NOTED ON CONSTRUCTION DOCUMENTS.
4. ALL REQUIRED CONDUITS SHALL BE PROVIDED BY E.C. LOW VOLTAGE WIRING SHALL BE BY MECHANICAL CONTRACTOR, LINE VOLTAGE (50 VOLTS OR MORE) SHALL BE BY ELECTRICAL CONTRACTOR.
5. ALL CONDUITS SHALL BE SUPPORTED AND BRACED PER OPA NO. OPA–0120, THE "UNISTRUT SEISMIC BRACING SYSTEM " FOR PIPES AND CONDUITS ONLY. LAYOUT DRAWINGS, SHOWING THE BRACING/SUPPORT LOCATIONS AND REFERENCES TO DETAILS FROM THE RELEVANT OSHPD PRE–APPROVALS FOR PIPING/DUCTS/CONDUITS EXCEPT FIRE SPRINKLERS, NEED TO BE SUBMITTED FOR USE BY THE IOR AND OSHPD STAFF. THE LAYOUT DRAWINGS NEED TO BE REVIEWED AND ACCEPTED BY THE AOR AND SEOR PRIOR TO STARTING INSTALLATION OF THE BRACING/SUPPORT. IOR SHALL ENSURE THE ABOVE REQUIREMENTS ARE SATISFIED.
6. DO NOT PENETRATE STRUCTURAL MEMBERS, INCLUDING BEAMS, COLUMNS, OR FOOTINGS, WITHOUT PRIOR WRITTEN CONSENT OF THE DISTRICT'S STRUCTURAL ENGINEER. SHOULD IT BECOME NECESSARY TO PENETRATE SUCH MEMBERS, NOTIFY THE DISTRICT IN WRITING WITHOUT DELAY, PRIOR TO PROCEEDING WITH CONSTRUCTION AROUND SUCH MEMBERS.
7. ALL ELECTRICAL WORK SHALL CONFORM WITH THE 2022 CALIF. ELECTRICAL CODE CALIFORNIA TITLE 17, 19 & 24 ALONG WITH N.F.P.A. STANDARDS AND THE STATE FIRE MARSHAL'S REQUIREMENTS.
8. ALL WORK TO BE IN ACCORDANCE WITH REQUIREMENTS OF STATE & GOVERNING LOCAL FIRE CODES AND BUILDING CODES.
9. WHERE EXISTING CONSTRUCTION IS CUT, DAMAGED, OR REMODELED, PATCH WITH MATERIALS TO MATCH IN KIND, QUALITY, AND PERFORMANCE.
10. WORK SHALL BE EXECUTED IN A CAREFUL AND ORDERLY MANNER WITH THE LEAST POSSIBLE DISTURBANCE TO PUBLIC AND TO OCCUPANTS OF EXISTING BUILDING.
11. CONTRACTOR SHALL ASSUME SOLE RESPONSIBILITY FOR SAFETY OF ALL PERSONS ON OR ABOUT THE CONSTRUCTION SITE, IN ACCORDANCE WITH APPLICABLE LAWS AND CODES. GUARD ALL HAZARDS IN ACCORDANCE WITH THE SAFETY PROVISIONS OF THE LATEST MANUAL OF ACCIDENT PREVENTION PUBLISHED BY THE ASSOCIATED GENERAL CONTRACTORS OF AMERICA.
12. CLEAN ALL EXPOSED SURFACES AND NEW EQUIPMENT AFTER COMPLETION.
13. ALL CHANGE ORDER PROPOSALS AND CHANGE ORDERS, BOTH ADDITIVE AND DEDUCTIVE, SHALL BE BASED UPON AND BE ACCOMPANIED BY A DETAILED MATERIALS AND LABOR BREAKDOWN FOR EACH SPECIFIC TASK AND/OR ITEM. THE BREAKDOWN SHALL INCLUDE ACTUAL MATERIALS COSTS PLUS OVERHEAD AND PROFIT, AS WELL AS LABOR UNITS BASE UPON THE MOST RECENT NECA MANUAL OF LABOR UNITS (NECA INDEX #4090) OR EQUIVALENT PUBLICATION FOR EACH SPECIFIC TASK AND ITEM. LABOR COSTS SHALL BE COMPUTED AS OUTLINED WITHIN THE GENERAL CONDITIONS, BASED UPON THE NECA LABOR TABLES FOR EACH TASK REQUIRED. MATERIALS COSTS SHALL INCLUDE ACTUAL CONTRACTOR INVOICE PLUS NO MORE THAN 15% MARKUP. THE OWNER AND CONTRACTOR AGREE TO THE ABOVE CHANGE ORDER COST PROCEDURE, FOR BOTH ADDITIVE AND DEDUCTIVE CHANGE ORDERS.
14. ALL PERSONNEL WORKING WITH ENERGIZED EQUIPMENT WITHIN THE RESTRICTED ZONE PER NFPA–70E SHALL COMPLY WITH ALL NFPA–70E AND OSHA REQUIREMENTS AND BE ARC FLASH SAFETY CERTIFIED.
15. ALL SWITCHES AND CONTROLS SHAL LBE INSTALLED A MAXIMUM OF 38" TO THE TOP OF BOX (CBC 11B–308.1.1).

ELECTRICAL ABBREVIATIONS

Δ	DELTA CONNECTED
Y	WYE CONNECTED
0	PHASE
A	AMPERES
AC	ALTERNATING CURRENT
ACT	ABOVE COUNTERTOP/BACKSPLASH
AFF	ABOVE FINISHED FLOOR
AL	ALUMINUM
APPROX	APPROXIMATE
AUTO	AUTOMATIC
AUX	AUXILIARY
ALT	ALTERNATE
AWG	AMERICAN WIRE GAUGE
B	BARE
BC	BARE COPPER GROUND
BKBD	BACKBOARD
BRKR	BREAKER
BLDG	BUILDING
C	CONDUIT OR CONTRACTOR
CAB	CABINET
CATV	CABLE TELEVISION
CKT	CIRCUIT
CLG	CEILING
COMM	COMMUNICATION
CONN	CONNECT
CONT	CONTINUATION OR CONTINUED
COORD	COORDINATE
CR	CONTROL RELAY
CT	CURRENT TRANSFORMER
CU	COPPER
DC	DIRECT CURRENT
DISC	DISCONNECT
DIST	DISTRIBUTION
(E)	EXISTING
EC	ELECTRICAL CONTRACTOR
EL, ELEV	ELEVATION
ELECT	ELECTRICAL
EMT	ELECTRICAL METALLIC TUBING
EOL	END OF LINE
ENCL	ENCLOSURE
EP	EXPLOSION PROOF
EQUIP	EQUIPMENT
ETC	ET CETERA
EVAP	EVAPORATOR
(F)	FUTURE
FA	FIRE ALARM
FACP	FIRE ALARM CONTROL PANEL
FLA	FULL LOAD AMPS
FLEX	FLEXIBLE
FLUOR	FLUORESCENT
FS	FLOW SWITCH
GALV	GALVANIZED
GND	GROUND
GC	GENERAL CONTRACTOR
HI	HIGH
HV	HIGH VOLTAGE
HVAC	HEATING, VENTILATION, AIR CONDITIONING
IDF	INTERMEDIATE DISTRIBUTION FRAME
INCAN	INCANDESCENT
INST	INSTANTANEOUS
KV	KILOVOLTS
KVA	KILOVOLT AMPERES
KW	KILOWATTS
LB	ELBOW
LF	LINEAR FEET
LV	LOW VOLTAGE
M	MOTOR
MAX	MAXIMUM
MCA	MINIMUM CIRCUIT AMPS
MCC	MOTOR CONTROL CENTER
MCM	THOUSAND CIRCULAR MILLS
MECH	MECHANICAL
MFG	MANUFACTURER
MIN	MINIMUM
MPOE	MAIN POINT OF ENTRY
MSB	MAIN SWITCHBOARD
N	NEUTRAL
(N)	NEW
NA	NON–AUTOMATIC
NAC	NOTIFICATION APPLIANCE CIRCUIT
NC	NORMALLY CLOSED
NL	NIGHT LIGHT
OC	ON CENTER
OH	OVERHEAD
OL	THERMAL OVERLOAD RELAY
OT	OVER TEMPERATURE
OSHPD	OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT
PA	PUBLIC ADDRESS
PB	PULL BOX
PNL	PANEL
PH	PHASE
PRI	PRIMARY
PS	PRESSURE SWITCH
PWR	POWER
(R)	REMOVE(D)
RA	REMOTE ANNUNCIATOR
REQD	REQUIRED
REQMTS	REQUIREMENTS
RGP	REDUNDANT GROUND PATH
RM	ROOM
RECP	RECEPTACLE
SCH	SCHEDULE
SEC	SECONDS, SECONDARY
SIG	SIGNAL
SPECS	SPECIFICATIONS
SW	SWITCH
SWD	SWITCHED
SP	SPARE
STD	STANDARD
STR	STRANDED
SWBD	SWITCHBOARD
TEL	TELEPHONE
TEMP	TEMPERATURE
TH	THERMOSTAT
TRANSF	TRANSFORMER
TYP	TYPICAL
TSP	TWISTED SHIELDED PAIR
UG	UNDERGROUND
UNO	UNLESS NOTED OTHERWISE
V	VOLTS
VA	VOLT AMPS
VFD	VARIABLE FREQUENCY DRIVE
VM	VOLT METER
W/	WITH
W/O	WITHOUT
WP	WEATHERPROOF
WHD	WATT HOUR DEMAND METER
WM	WATT METER
WH	WATER HEATER
XFMER	TRANSFORMER
(XR)	REMOVE AND RELOCATE(D)

CITY PROJECT NO. 24-010
FIRE STATION NO. 31, SCBA COMPRESSOR ROOM

540 E MARSHALL ST.
TURLOCK, CA 95380

WMB Project No. 24-023

PUBLISH HISTORY:
DATE PURPOSE
11.08.24 BLDG PERMIT APP

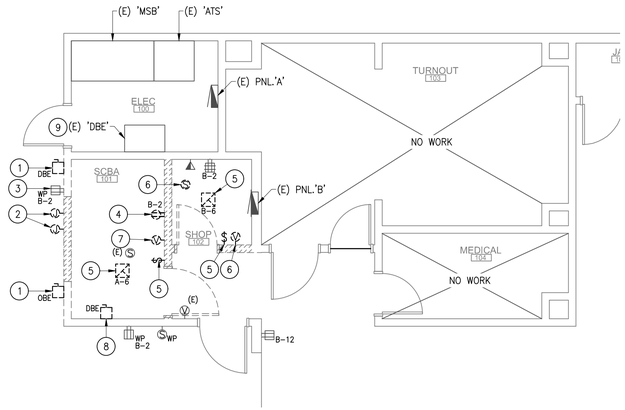
FLOOR PLAN, NOTES AND SYMBOLS

TITLE SHEET

E1.0

1/14/2024 3:45:03 PM

02/16/25 5:37:51 PM F:\24\122 FIRE STATION #31 COMPRESSOR (CP#24-010)\ENGR\SHEETS\122-_E1.0 PROJECT ELECTRICAL SHEET.DWG kpezzoni

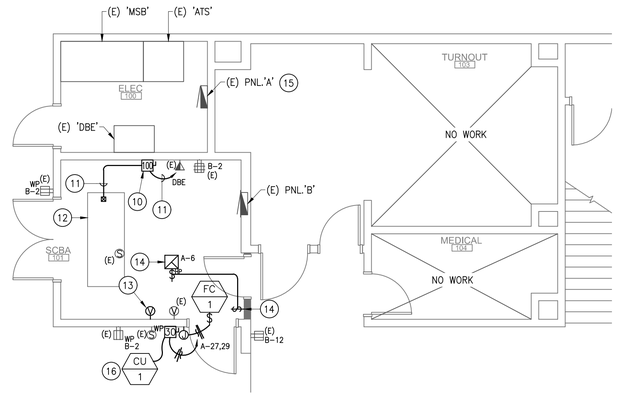


1 PARTIAL FLOOR PLAN – DEMO

SCALE: 3/16"=1'-0"

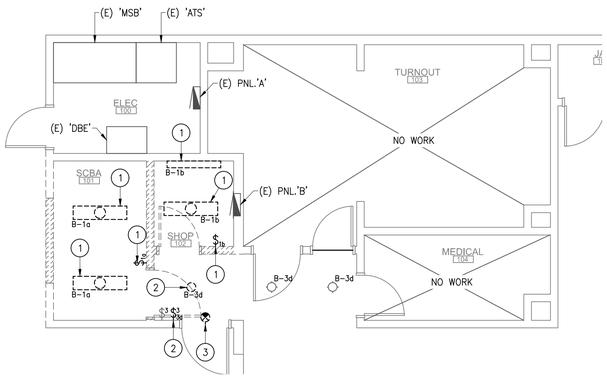
POWER NOTES:

1. BID ALTERNATE #1: (E) DISCONNECT & FEEDER FOR (E) MECH UNIT TO BE RELOCATED TO (N) LOCATION SHOWN.
2. DEMO UNUSED MECH CONTROL J-BOXES.
3. PRESERVE (E) WP RECP IN PLACE.
4. DEMO RECP & MAINTAIN CKT TO DEVICES DOWNSTREAM.
5. DEMO (E) EXHAUST FAN & SWITCH –MAINTAIN CKT AS MAYBE REQD.
6. DEMO (E) VOLUME CONTROLS & PA SPEAKER WITHIN SPACE.
7. RELOCATE (E) VOLUME CONTROL TO (N) LOCATION SHOWN.
8. DISCONNECT & DEMO (E) COMPRESSOR FEEDER TO SOURCE.
9. REMOVE (E) BREAKER & INSTALL (N) 90A–3P BREAKER IN KIND.
10. (N) 100A–3P FUSED DISCONNECT W/90A FRN FUSES.
11. (N) 1 1/4"C W/3 #2 THWN CU & #8 –PROVIDE LFMC WHIP INTO UNIT & TOTAL OF 20' OF CONDUCTOR FROM DISCONNECT.
12. (N) COMPRESSOR (20HP, 208V, 3 PHASE).
13. LOCATION OF RELOCATED VOLUME CONTROL –EXTEND 3/4"C & (N) 2C/18AWG STP CABLE FROM (E) SPEAKER.
14. (N) WALL SWITCH CONTROL TO (N) EF–1 –CONNECT ONTO (E) CKT A–6.
15. BID ALTERNATE #2: INSTALL (N) 20A–2P BREAKER IN SPACES 27,29 FOR (N)CU–1
16. BID ALTERNATE #2: CONNECT (N) CU–1 & FC–1 W/(N) FEEDER & DISCONNECT SHOWN. FIELD COORDINATE LOCATION OF CU–1 DISCONNECT W/MECHANICAL CONTRACTOR PRIOR TO ROUGH–IN TO INSURE CEC 110.26 WORKING CLEARANCES ARE MET.



3 PARTIAL FLOOR PLAN – EXISTING

SCALE: 3/16"=1'-0"

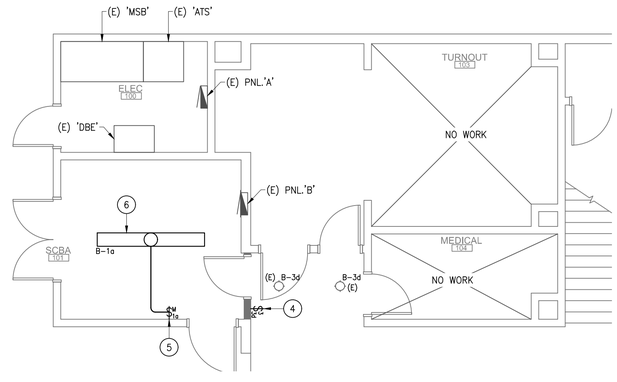


2 PARTIAL CEILING PLAN – LIGHTING DEMO

SCALE: 3/16"=1'-0"

LIGHTING NOTES:

1. DEMO (E) LIGHTING & CONTROLS WITHIN SPACE – MAINTAIN CKT TO DEVICES/FIXTURES DOWNSTREAM.
2. DEMO (E) DOWNLIGHT & 3–WAY SWITCH –(E) SWITCH TO BE RELOCATED TO (N) LOCATION SHOWN.
3. DEMO (E) EXIT SIGN.
4. RECONNECT 3–WAY SWITCH TO (N) WALL SHOWN ONTO (E) REMAINING LT FIXTURES.
5. (N) OCCUPANCY WALL SWITCH.
6. (N) 8 FOOT INDUSTRIAL STRIP –HEW #75E–8–L130/840–DRV–120 (13,000LM, 88W, 4000K).



4 PARTIAL CEILING PLAN – LIGHTING

SCALE: 3/16"=1'-0"

PEZZONI ENGINEERING, INC.
CONSULTING ELECTRICAL ENGINEERS
1150 9TH Street Suite #1415 Modesto, CA 95354
PHONE: 209 . 554 . 4622
HTTP://WWW.PEZENGR.COM

WMB ARCHITECTS
5757 Pacific Avenue
Suite 226
Stockton, CA 95207

2000 L Street
Suite 125
Sacramento, CA 95811

T 209.944.9110
F 209.944.5711
www.wmbarchitects.com

CITY PROJECT NO.
24-010
FIRE STATION NO. 31,
SCBA COMPRESSOR ROOM

540 E MARSHALL ST,
TURLOCK, CA 95380

WMB Project No. 24-023

PUBLISH HISTORY:

No.	DATE	PURPOSE
1	11.08.24	BLDG PERMIT APP

PARTIAL PLANS ELECTRICAL

TITLE SHEET

E1.1

F:\24\122 FIRE STATION #31 COMPRESSOR (CP#24-010)\ENGR\SHEETS\122-_E1.1 FLOOR PLANS DEMO AND NEW POWER.DWG 02/16/25 5:37:51 PM kpezzoni