HOMES FOR GOOD HOUSING AGENCY
100 W. 13th Avenue, Eugene, Oregon 97401

ADDENDUM NUMBER ONE
Project #25-S-0008

HVAC Maintenance Services
Eugene, Oregon

March 13, 2025

QUESTIONS ON CHEMICALS, CONTROL SYSTEM, AND MECHANICAL DRAWINGS AND SCHEDULE

GENERAL:

1. Note: **Use enclosed Addenda Receipt, or similar Addenda Receipt, to acknowledge receipt of this Addendum when submitting your Quote.**

REFER TO: Request for Quotes:

2. **Addition: Scope of Work.** Boiler, boiler pot, and all chemicals for HVAC maintenance to be included in scope of work.
3. **Addition:** Remove Controls System from Scope of Work
4. **Addition:** Add hourly fee in case of out of scope work.
5. **Addition:** Site Mechanical Drawings and Schedule - *Refer to Exhibit A*

GENERAL

GENERAL NOTE: **All implied, inferred, or direct verbal responses from Contract Administrator or agents of owner (stated at Pre-Quote walk through, by phone, email, etc...) are not valid or binding unless noted in writing in this addendum.**

Addendum Number One issued March 13, 2025, and authorized by: Dawn Green, Contract Administrator

Dawn Green

_____

Dawn Green
Contract Administrator

HOMES FOR GOOD HOUSING AGENCY
100 W. 13th Avenue, Eugene, Oregon 97401

Addendum Receipt

For Project Number: **25-S-0008**

Titled: **HVAC Maintenance Services**

Addendum Numbered: **ONE**

Dated: **March 13, 2025**

with Pages numbered: **1-2**

By my signature below I acknowledge:

- Receipt of the noted Addendum,
- That it has been fully reviewed, and
- That all terms included therein are incorporated into the Quote.

Signature: _____

Title: _____

Date: _____

COMPLETE THIS FORM AND SUBMIT WITH QUOTE DOCUMENTS

All bidders must complete and sign this form, or similar Addendum Receipt form, for each Addendum issued. The form is to be submitted with the quote documents. A bid may be considered non-responsive if a completed Addendum Receipt is not submitted with the quote, for each Addendum issued.

EXHIBIT A

ELECTRICAL LEGEND

LOW-VOLTAGE ELECTRICAL CONDUCTORS & CABLES

HOMERUN

GROUNDING & BONDING FOR ELECTRICAL SYSTEMS

GROUND

RACEWAYS & BOXES FOR ELECTRICAL SYSTEMS

CONDUIT UP

CONDUIT DOWN

JUNCTION BOX

STUB

CABLE TRAY FOR ELECTRICAL SYSTEMS

CT — CABLE TRAY

LIGHTING CONTROL EQUIPMENT

PP E/N,D,a — DIGITAL POWER PACK. E=EMERGENCY, N=NORMAL, D=DIMMING (0-10VDC), a= DEDICATED ZONE

OS A — CEILING MOUNTED OCCUPANCY SENSOR SUBSCRIPT INDICATES TYPE

OS A — WALL MOUNTED OCCUPANCY SENSOR SUBSCRIPT INDICATES TYPE

OS,S,D,a — DIGITAL WALL MOUNTED LIGHTING SWITCH OS = OCCUPANCY SENSOR, S = SCENE SELECTION, D = DIMMING (0-10VDC), a = LOCAL LIGHTING ZONE

LOW-VOLTAGE DISTRIBUTION

TRANSFORMER

CURRENT TRANSFORMER

ELECTRICAL EQUIPMENT AS INDICATED ON DRAWINGS

PANELBOARDS

LV -1 / 208 / 225 / 3 — PANELBOARD - VOLTAGE AND SIZE AS NOTED

SURFACE BRANCH PANELBOARD (120/208V)

SURFACE BRANCH PANELBOARD (277/480V)

RECESSED BRANCH PANELBOARD (120/208V)

RECESSED BRANCH PANELBOARD (277/480V)

ELECTRICAL CABINETS & ENCLOSURES

ELECTRICAL EQUIPMENT AS INDICATED ON DRAWINGS

FB — FLOOR BOX. SUBSCRIPT INDICATES TYPE.

PB — PULL BOX

WIRING DEVICES

TS — WALL SWITCH. "a"= CIRCUITS CONTROLLED, "K"= KEY SWITCH, "P"= W/PILOT LIGHT, "2"= DOUBLE POLE, "3"= THREE-WAY, "M"= AUTOMATIC WALL SWITCH, "D"= DIMMING SWITCH, "TS"= DIGITAL TIMER SWITCH

L6-30 — SPECIAL RECEPTACLE, NEMA CONFIGURATION INDICATED

WP GFI — DUPLEX RECEPTACLE. WP= WEATHERPROOF, "GFI"= GROUND FAULT CIRCUIT INTERRUPTER TYPE

+44" a — DUPLEX RECEPTACLE MOUNTED ABOVE STANDARD HEIGHT. HEIGHT INDICATED IN INCHES. WHERE NO HEIGHT INDICATED, MOUNT ABOVE COUNTERTOP.

QUAD RECEPTACLE

SINGLE RECEPTACLE

EQUIPMENT CONNECTION

POKE-THROUGH FLOOR RECEPTACLE

OVER-CURRENT PROTECTIVE DEVICES

FUSE

CIRCUIT BREAKER

G — GROUND FAULT INTERRUPT CIRCUIT BREAKER

SWITCH

FUSED SWITCH

MOTOR & CIRCUIT DISCONNECTS

COMBINATION DISCONNECT AND MAGNETIC STARTER

DISCONNECT SWITCH

FUSED DISCONNECT SWITCH

MAGNETIC STARTER

MANUAL MOTOR STARTER WITH THERMAL OVERLOAD PROTECTION & LOCKABLE OFF COVER

M — MOTOR CONNECTION

VARIABLE FREQUENCY MOTOR CONTROLLER

VFD — VARIABLE FREQUENCY DRIVE

ELECTRICITY METERING

M — UTILITY METER

STANDBY GENERATION SYSTEM

G — GENERATOR

AUTOMATIC TRANSFER SWITCH

LIGHTING FIXTURES

A1 — FIXTURE IDENTIFIER. FIXTURE TYPE "A1" SEE LUMINAIRE SCHEDULE.

SURFACE-MOUNT FIXTURE - DRAWN TO SCALE WHERE POSSIBLE

RECESSED FIXTURE - DRAWN TO SCALE WHERE POSSIBLE

RECESSED FIXTURE - SHADING INDICATES EMERGENCY BATTERY BALLAST, UNINTERRUPTED POWER SUPPLY OR EMERGENCY POWER BY GENERATOR (APPLIES TO ALL LUMINAIRES).

LINEAR SURFACE LUMINAIRE

SUSPENDED LUMINAIRE IN 4', 8' & 12' LENGTHS, MOUNTED END-TO-END WHERE SHOWN

LINEAR WALL-MOUNTED LUMINAIRE

PENDANT MOUNT LUMINAIRE

SURFACE WALL MOUNT LUMINAIRE

RECESSED WALL MOUNT LUMINAIRE

CEILING SURFACE MOUNT LUMINAIRE

CEILING RECESSED LUMINAIRE

RECESSED DOWNLIGHT, DIRECTIONAL

TRACK LIGHTING - NUMBER OF FIXTURES AS INDICATED

EXIT SIGN, WALL MOUNT - SHADED AREAS INDICATE FACES

EXIT SIGN, CEILING MOUNT - SHADED AREAS INDICATE FACES

EXIT SIGN WITH EMERGENCY LIGHTS, CEILING MOUNTED

EMERGENCY FIXTURE, BUGEYES

AUDIO/VISUAL DEVICES

S — A/V SYSTEM SPEAKER

DATA COMMUNICATIONS

D — COMBINATION PHONE/DATA PORT SHOWING QUANTITY OF EACH TYPE: V=VOICE (PHONE)/D=DATA

POKE-THROUGH FLOOR RECEPTACLE

WAP — WIRELESS ACCESS POINT

TELEPHONE TERMINAL BOARD (TTB)

ACCESS CONTROL

CAM — INTERIOR SECURITY CAMERA LOCATION

EXTERIOR SECURITY CAMERA LOCATION

CR — CARD READER

PR 03

ADD 01

FIRE DETECTION & ALARM

FIRE/SMOKE DAMPER

S / F — FIRE ALARM SYSTEM HORN: S= SPEAKER, WP= WEATHERPROOF

F — FIRE ALARM STROBE

F — FIRE ALARM SYSTEM HORN/STROBE LIGHT - MOUNT @ 84" A.F.F.

D — FIRE ALARM SYSTEM SMOKE DETECTOR: D = DUCT DETECTOR, R = RELAY BASE

FAAP — FIRE ALARM ANNUNCIATOR PANEL

FACP — FIRE ALARM CONTROL PANEL

FSCP — FIRE SUPPRESSION CONTROL PANEL

GENERAL

EF 1 — EQUIPMENT IDENTIFIER (EXHAUST FAN 1 SHOWN)

1 — SHEET REFERENCE NOTE

2 / E-121 — 2 / E-501 — PLAN OR DETAIL NUMBER / SHEET NUMBER

EXISTING WORK SHOWN LIGHT

NEW WORK SHOWN BOLD

EXISTING TO BE REMOVED

AREA NOT IN SCOPE OF WORK

SHEET INDEX - ELECTRICAL

ELECTRICAL LOAD SUMMARY

HOMES FOR GOOD

EXISTING PEAK 12 MONTH DEMAND:	102	KVA
HIGH DEMAND @ CODE 125%	127.5	KVA
REMOVED LOAD, THIS PHASE:	80.0	KVA
CALCULATED LOAD (208/120)		
LIGHTING	10.1	KVA
OUTLETS	72.4	KVA
MOTOR LOADS	34.5	KVA
RESISTIVE LOADS	0.0	KVA
MISC. LOADS	16.7	KVA
ADDITIONAL MECHANICAL (AHU-1&2)	115.2	KVA
Total	249.0	KVA
TOTAL CONNECTED LOAD	**296.5**	**KVA**
SYSTEM ANTICIPATED AMPERES	**823**	**AMPS**
@ SERVICE VOLTAGE 208/120 3 PH		

ABBREVIATIONS

AFF	ABOVE FINISHED FLOOR	IDF	INTERMEDIATE DISTRIBUTION FRAME
BLDG	BUILDING	LV	LOW VOLTAGE
C	CONDUIT	MDF	MAIN DISTRIBUTION FRAME
cd	CANDELA	MECH	MECHANICAL
CKT	CIRCUIT	MW	MICROWAVE
DIM	0-10V DIMMING	(N)	NEW
DSP	DIGITAL SIGNAL PROCESSOR	(NL)	NEW LOCATION
(E)	EXISTING	PNL	PANEL
ELEC	ELECTRICAL	(RL)	RELOCATE
EMERG	EMERGENCY	(RP)	REPLACE EXISTING
FAM	FIRE ALARM MASTER	SWBD	SWITCHBOARD
GD	GARBAGE DISPOSAL	TTB	TELEPHONE TERMINAL BOARD
GFI	GROUND FAULT INTERRUPTER	TYP	TYPICAL
GND	GROUND	UON	UNLESS OTHERWISE NOTED
HVAC	HEATING, VENTILATING & AIR CONDITIONING	WP	WEATHERPROOF
		WG	WIREGUARD

GENERAL NOTES

1. THE FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION.
2. COORDINATE ALL SHUTDOWNS AND CONSTRUCTION ACTIVITY WITH FACILITIES STAFF.
3. SIZE AND LOCATION OF ALL EXISTING ELECTRICAL EQUIPMENT IS APPROXIMATE. CONTRACTOR SHALL SITE VERIFY THE EXACT LOCATION OF EXISTING AND CONSTRUCT ALL WORK FROM FIELD DIMENSIONS.
4. CONTRACTOR SHALL MAKE ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.
5. LIGHT LINE WORK INDICATES EXISTING ELECTRICAL CIRCUITRY AND OTHER ELECTRICAL EQUIPMENT. DASHED LINE WORK INDICATES ELECTRICAL DEVICES AND EQUIPMENT TO BE REMOVED.
6. WHERE EXISTING EQUIPMENT IS REMOVED AND NOT REPLACED IN THE SAME LOCATION, PATCH AND PAINT SURFACES TO MATCH ORIGINAL CONDITION.
7. REMOVE ALL ABANDONED RACEWAY AND WIRING.
8. RECONNECT ALL CIRCUITRY TO REMAINING DEVICES AND EQUIPMENT.
9. MAINTAIN ACCESSIBILITY OF EQUIPMENT AND JUNCTION BOXES AS NECESSARY AND TO OWNERS SATISFACTION.
10. RUN ALL BUILDING RACEWAY CONCEALED, UNLESS OTHERWISE NOTED.
11. CARRY GROUND WIRE IN ALL LIGHTING, POWER, AND FEEDER CIRCUITS.
12. COORDINATE ALL DEVICE LOCATIONS WITH OTHER TRADES TO AVOID POSSIBLE CONFLICTS WITH DUCTS, SPRINKLER PIPING AND OTHER OBSTACLES AFFECTING INSTALLATION.
13. PROVIDE BLANK FACE PLATES FOR ALL SWITCHES BEING REMOVED.
14. THE WORD "PROVIDE" WHEN USED ON THESE ELECTRICAL PLANS IS INTENDED TO MEAN THAT THE ELECTRICAL CONTRACTOR IS TO FURNISH AND INSTALL THE RELATED WORK DESCRIBED UNLESS OTHERWISE NOTED.
15. THE TERM "WIRING" AS USED ON THE DRAWINGS INCLUDES BOTH THE RACEWAY AND CONDUCTORS WITHIN.
16. ALL DEMOLISHED EQUIPMENT SHALL BE SALVAGED TO OWNER.

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
20 AUGUST 2020

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:

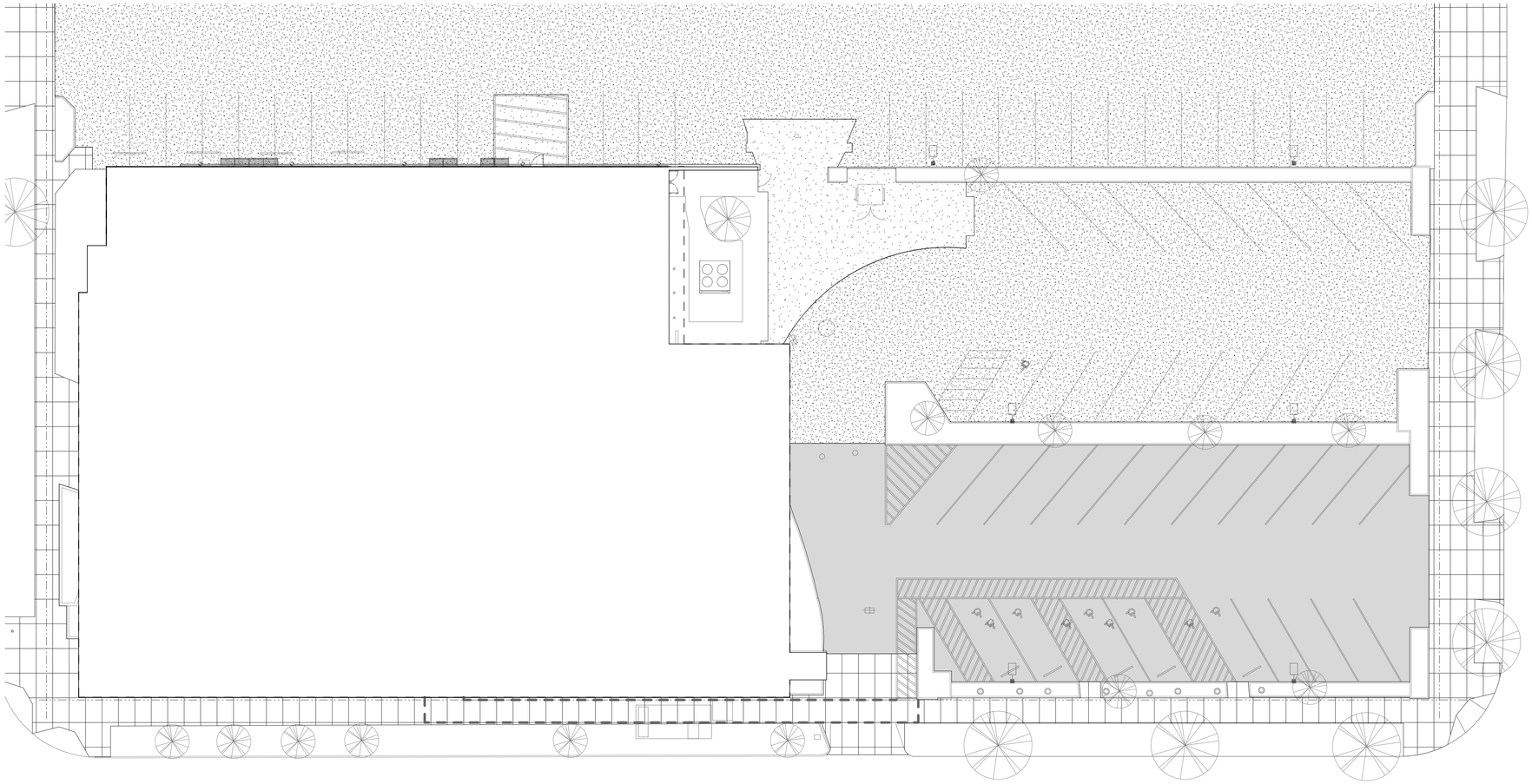
LEGEND, GENERAL NOTES, & ELECTRICAL SHEET INDEX

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
5	PR 03	08.13.19

ISSUE DATE: 08/20/2020

E001



1 ELECTRICAL SITE PLAN
1/16" = 1'-0"

NORTH

PRINTED ON: 8/27/2020 12:43:05 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_jhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT
ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE:
AUGUST 20, 2020

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

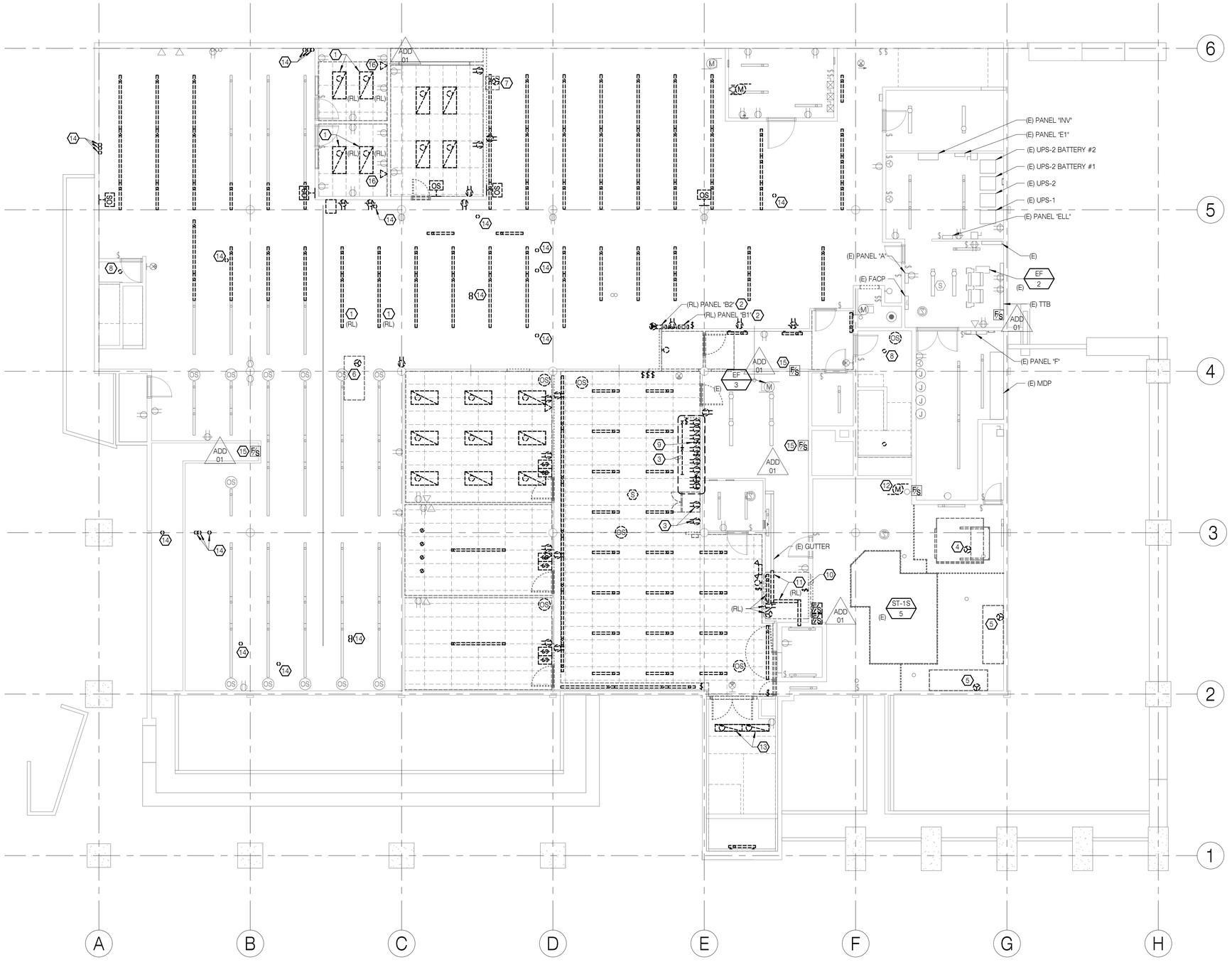
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
SITE PLAN

REVISIONS:
DESCRP. DATE

ISSUE DATE: 08/20/2020

E100



NORTH

1 ELECTRICAL DEMOLITION - LOWER LEVEL
1/8" = 1'-0"

SHEET NOTES:

1. TYPE, QUANTITY, AND LOCATION OF ALL FIXTURES TO BE DEMOLISHED ARE APPROXIMATE. COORDINATE DEMOLITION SCOPE WITH ARCHITECTURAL.
2. REMOVE EXISTING SPEAKER SYSTEM.
3. REMOVE ALL EXISTING CARD READERS AND SALVAGE TO OWNER.
4. REMOVE ALL EXISTING SECURITY CAMERAS AND RETAIN FOR RELOCATION.
5. SECURITY SYSTEMS AND DEVICES FOR KAISER PORTION OF FACILITY ARE TO REMAIN IN OPERATION DURING ALL PHASES OF THE PROJECT. COORDINATE WITH ARCHITECT PRIOR TO DEMOLITION.

REFERENCE NOTES:

1. REMOVE FIXTURE AND RETAIN FOR RELOCATION.
2. PANELS TO RE RELOCATED ON OPPOSITE SIDE OF WALL. REFERENCE 1/E120.
3. DEMOLISH FIXTURES ABOVE COUNTERTOP LEVEL. RETAIN LOWER FIXTURES AND CIRCUITS FOR REUSE IN SAME LOCATION ON NEW FIRE RATED WALL.
4. EXISTING MULTIZONE SUPPLY FAN TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M101.
5. DECOMMISSIONED 40-TON CHILLER TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M101.
6. EXISTING A/C UNIT AND CONTROLS TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M101.
7. EXISTING RETURN FAN AND CONTROLS TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M101.
8. DEMOLISH EXISTING FIXTURE. RETAIN J-BOX AT CEILING AND CONDUCTORS FOR USE WITH NEW FIXTURE.
9. DEMOLISH SWITCH CONTROLLING ADJACENT RECEPTACLE AND RECONNECT RECEPTACLE TO SAME CIRCUIT.
10. REMOVE FIXTURES AND SWITCHES FROM AREA TO BE DEMOLISHED TO ALLOW REPLACEMENT OF MECHANICAL EQUIPMENT. RETAIN FOR REINSTALLATION IN SAME LOCATION AFTER REPLACEMENT OF WALL.
11. REMOVE PORTION OF EXISTING GUTTER TO ALLOW REPLACEMENT OF MECHANICAL EQUIPMENT. GUTTER AND WIRING SHALL BE REPLACED FOLLOWING REPLACEMENT OF WALL.
12. DEMOLISH EXISTING SEWAGE EJECTOR PUMP & CONTROLS.
13. DEMOLISH FLUORESCENT ELEMENTS. RETAIN FIXTURE HOUSINGS TO MOUNT RETROFIT LED ASSEMBLY.
14. DEMOLISH EXISTING PENETRATION TO FIRST FLOOR. REFERENCE 1/E102.
15. TEMPORARILY DISCONNECT POWER TO EXISTING DAMPER. DAMPER MUST REMAIN CLOSED DURING CONSTRUCTION. COORDINATE WITH MECHANICAL. REFERENCE 1/M101.
16. REMOVE FACEPLATE AND DATA CABLING. RETAIN J-BOX FOR INSTALLATION OF NEW OUTLET IN SAME LOCATION.

ADD 01

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
ELECTRICAL DEMOLITION - LOWER LEVEL

REVISIONS:

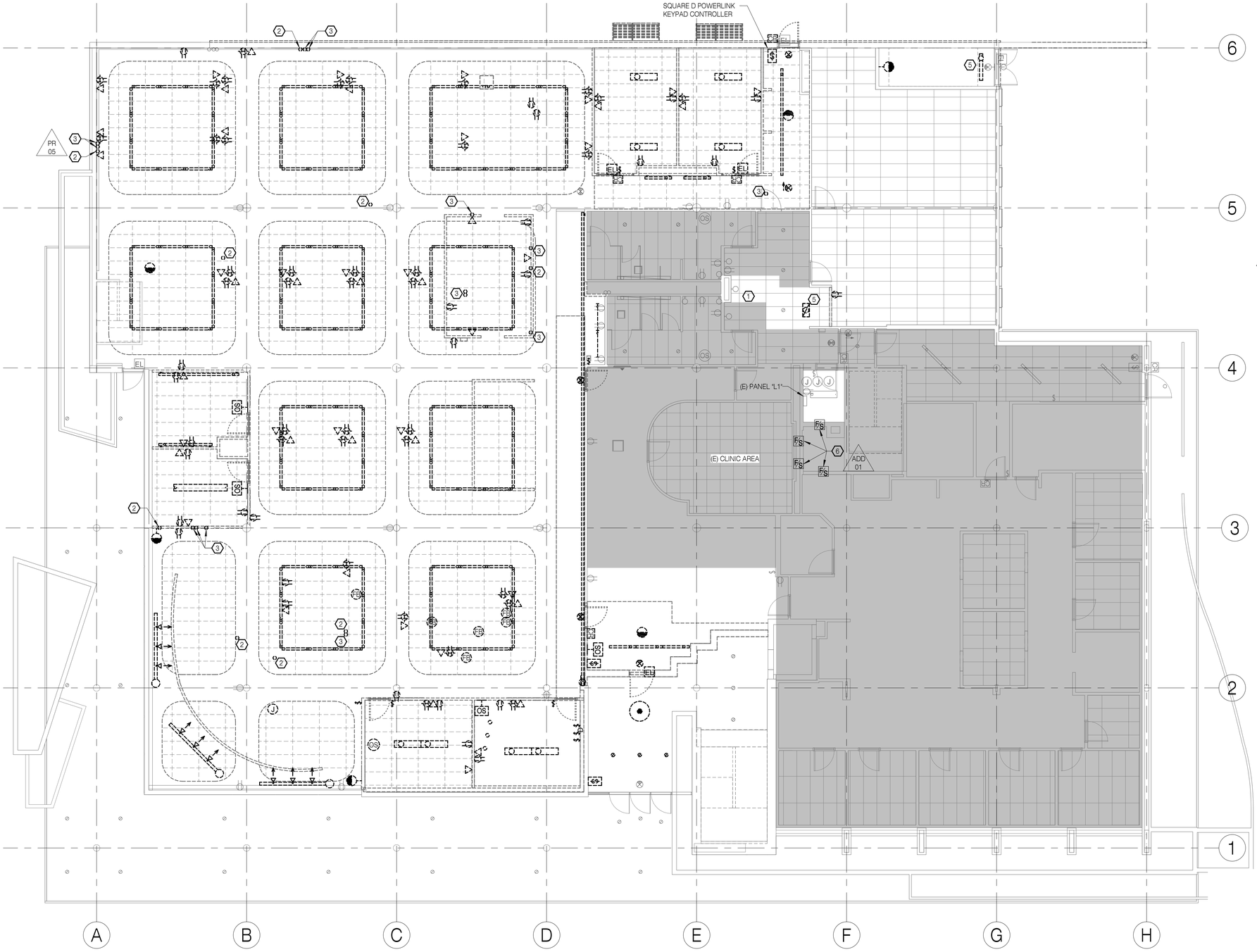
#	DESCRP.	DATE
1	ADD 01	05.17.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E101

PRINTED ON: 8/27/2020 12:43:10 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.I40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



NORTH

1 ELECTRICAL DEMOLITION - FIRST FLOOR
1/8" = 1'-0"

SHEET NOTES:

1. TYPE, QUANTITY, AND LOCATION OF ALL FIXTURES TO BE DEMOLISHED ARE APPROXIMATE. COORDINATE DEMOLITION SCOPE WITH ARCHITECTURAL.
2. REMOVE EXISTING SPEAKER SYSTEM.
3. REMOVE ALL EXISTING CARD READERS AND SALVAGE TO OWNER.
4. REMOVE ALL EXISTING SECURITY CAMERAS AND RETAIN FOR RELOCATION.
5. SECURITY SYSTEMS AND DEVICES FOR KAISER PORTION OF FACILITY ARE TO REMAIN IN OPERATION DURING ALL PHASES OF THE PROJECT. COORDINATE WITH ARCHITECT PRIOR TO DEMOLITION.

REFERENCE NOTES:

1. DISCONNECT (E) WATER COOLER FOR REMOVAL. RETAIN CIRCUIT FOR NEW COOLER INSTALLATION. COORDINATE WITH PLUMBING. REFERENCE 1/P102.
2. DEMOLISH EXISTING POWER PENETRATION FROM LOWER LEVEL. COORDINATE WITH ARCHITECTURAL.
3. DEMOLISH EXISTING DATA PENETRATION FROM LOWER LEVEL. COORDINATE WITH ARCHITECTURAL.
4. CARD READER TO REMAIN OPERATIONAL UNTIL REPLACEMENT IS INSTALLED AND OPERATIONAL.
5. RETAIN CIRCUIT SERVING DEMOLISHED FIXTURE FOR USE WITH NEW FIXTURE IN SAME AREA.

ADD 01 6. EXISTING DAMPERS TO REMAIN OPERATIONAL DURING CONSTRUCTION

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE-
AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
ELECTRICAL DEMOLITION - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E102

PRINTED ON: 8/27/2020 12:43:15 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt
SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

SHEET NOTES:

1. TYPE, QUANTITY, AND LOCATION OF ALL FIXTURES TO BE DEMOLISHED ARE APPROXIMATE. COORDINATE DEMOLITION SCOPE WITH ARCHITECTURAL.
2. REMOVE EXISTING SPEAKER SYSTEM.
3. REMOVE ALL EXISTING CARD READERS AND SALVAGE TO OWNER.
4. REMOVE ALL EXISTING SECURITY CAMERAS AND RETAIN FOR RELOCATION.
5. SECURITY SYSTEMS AND DEVICES FOR KAISER PORTION OF FACILITY ARE TO REMAIN IN OPERATION DURING ALL PHASES OF THE PROJECT. COORDINATE WITH ARCHITECT PRIOR TO DEMOLITION.

REFERENCE NOTES:

1. EXISTING HEAT PUMP TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M103.
2. DISCONNECT (E) WATER COOLER FOR REMOVAL. RETAIN CIRCUIT FOR NEW COOLER INSTALLATION. COORDINATE WITH PLUMBING. REFERENCE 1/P103.
3. EXTERIOR WALL PACK
4. REMOVE SWITCH AND FIXTURE. RETAIN FOR RELOCATION.
5. DEMOLISH ALL RECEPTACLES TO BE OBSCURED BY NEW SYSTEMS FURNITURE. REMOVE CONDUCTORS AND DATA CABLING AND PROVIDE BLANK FACEPLATES. COORDINATE WITH ARCHITECTURAL AND OWNERS REPRESENTATIVE. REFERENCE 1/E123. (PR 05)
6. TEMPORARILY DISCONNECT POWER TO EXISTING DAMPERS. DAMPERS MUST REMAIN CLOSED DURING CONSTRUCTION. COORDINATE WITH MECHANICAL. REFERENCE 1/M103. (ADD 01)
7. DISCONNECT POWER TO EXHAUST FAN EF-1 FOR REFURBISHMENT. COORDINATE WITH MECHANICAL.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

NORTH

1 ELECTRICAL DEMOLITION - SECOND FLOOR
1/8" = 1'-0"

PRINTED ON: 8/27/2020 12:43:19 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_jhananT.I40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

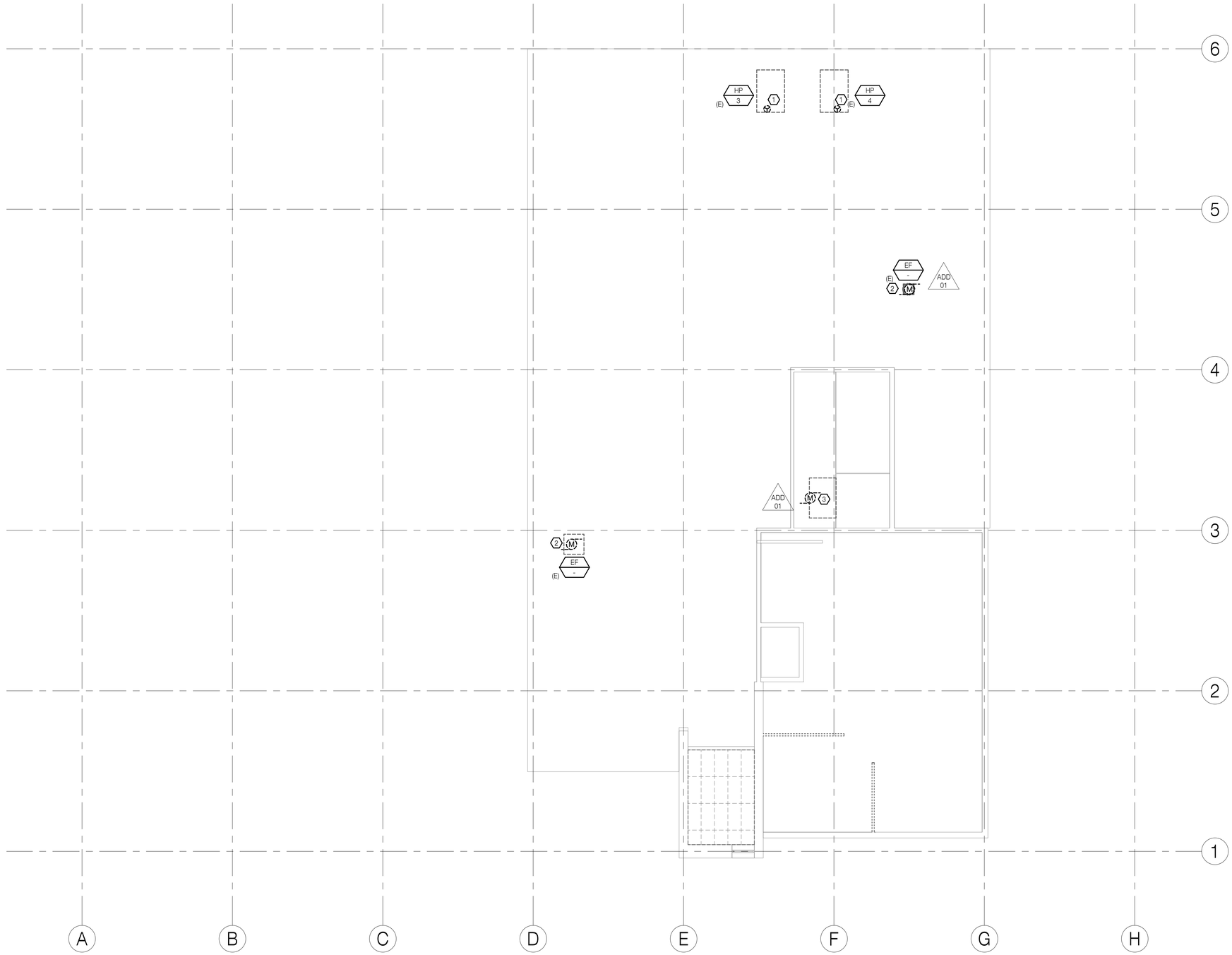
SHEET TITLE:
ELECTRICAL DEMOLITION - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E103



REFERENCE NOTES:

1. EXISTING HEAT PUMP TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M104.
2. EXISTING EXHAUST FAN TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M104.
3. EXISTING RETURN FAN TO BE DEMOLISHED. COORDINATE WITH MECHANICAL. REFERENCE 1/M104.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE:
AUGUST 20, 2020

NORTH

1 ELECTRICAL DEMOLITION - SECOND FLOOR ROOF
1/8" = 1'-0"

PRINTED ON: 8/27/2020 12:43:22 PM FROM FILE: C:\Users\ish\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

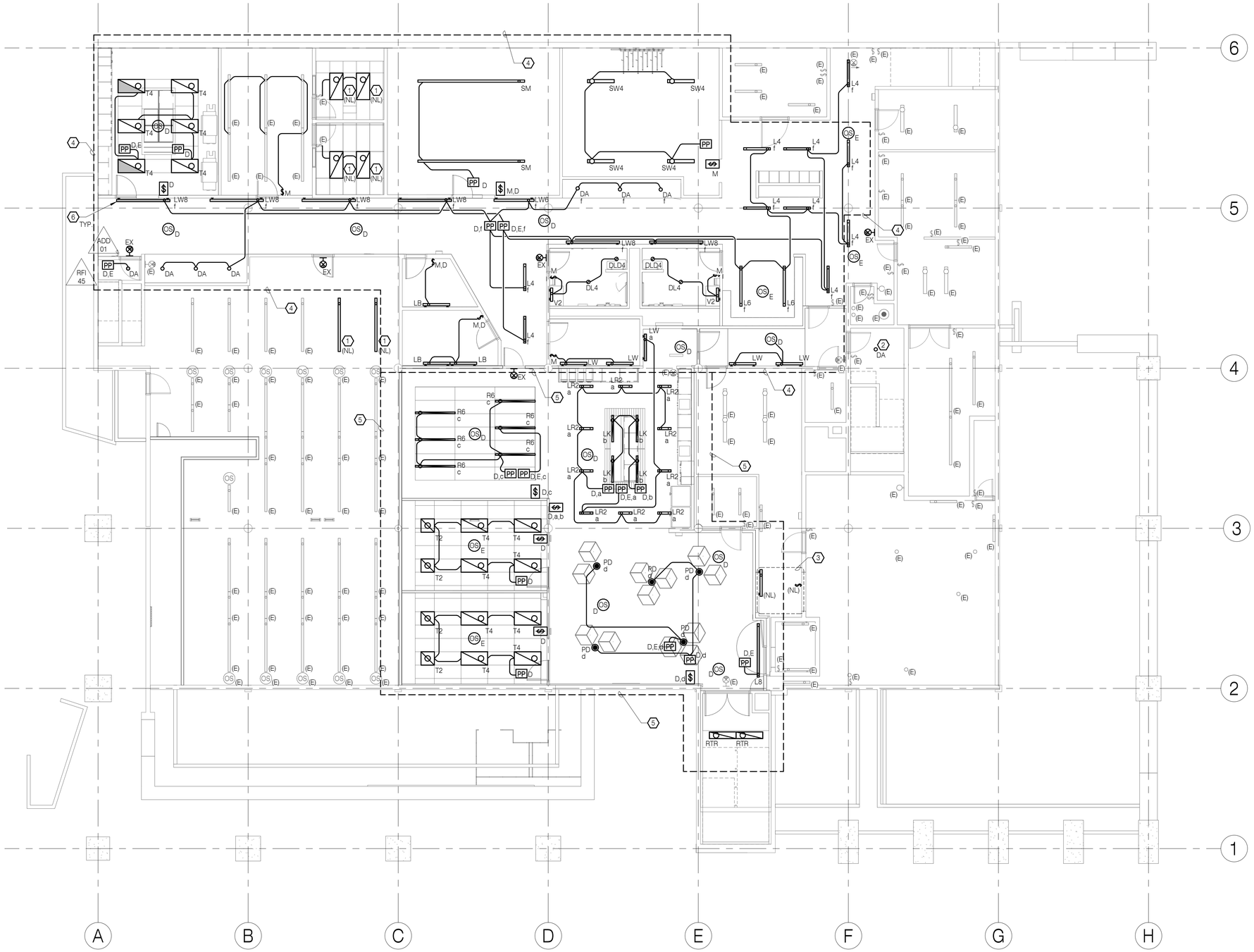
SHEET TITLE:
ELECTRICAL DEMOLITION - SECOND FLOOR ROOF

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

E104



NORTH

1 LIGHTING PLAN - LOWER LEVEL
1/8" = 1'-0"

REFERENCE NOTES:

1. FIXTURE REMOVED DURING DEMOLITION. REINSTALL AT NEW LOCATION.
2. INSTALL NEW FIXTURE AT EXISTING JUNCTION BOX AND CONNECT TO CIRCUIT MADE AVAILABLE BY DEMOLITION OF EXISTING FIXTURE.
3. REINSTALL FIXTURES AND SWITCHES IN PREVIOUS AREA FOLLOWING REPLACEMENT OF WALL. RECONNECT TO CIRCUITS AND LOADS PREVIOUSLY CONNECTED TO DEVICES.
4. CIRCUIT NORMAL LUMINAIRES TO L-1, EXIT SIGNS TO L1-2 AND EMERGENCY LUMINAIRES TO THE LIGHTING INVERTER (FIRST FLOOR) CIRCUIT 1 IN THIS AREA.
5. CIRCUIT NORMAL LUMINAIRES TO L-3, EXIT SIGNS TO L1-2 AND EMERGENCY LUMINAIRES TO THE LIGHTING INVERTER (FIRST FLOOR) CIRCUIT 1 IN THIS AREA.
6. INSTALL WALL-MOUNTED FIXTURES IN HALL 029 AT 7' - 4' AFF. COORDINATE LOCATION AND ELEVATION WITH ARCHITECTURAL.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/27/2020 12:43:28 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

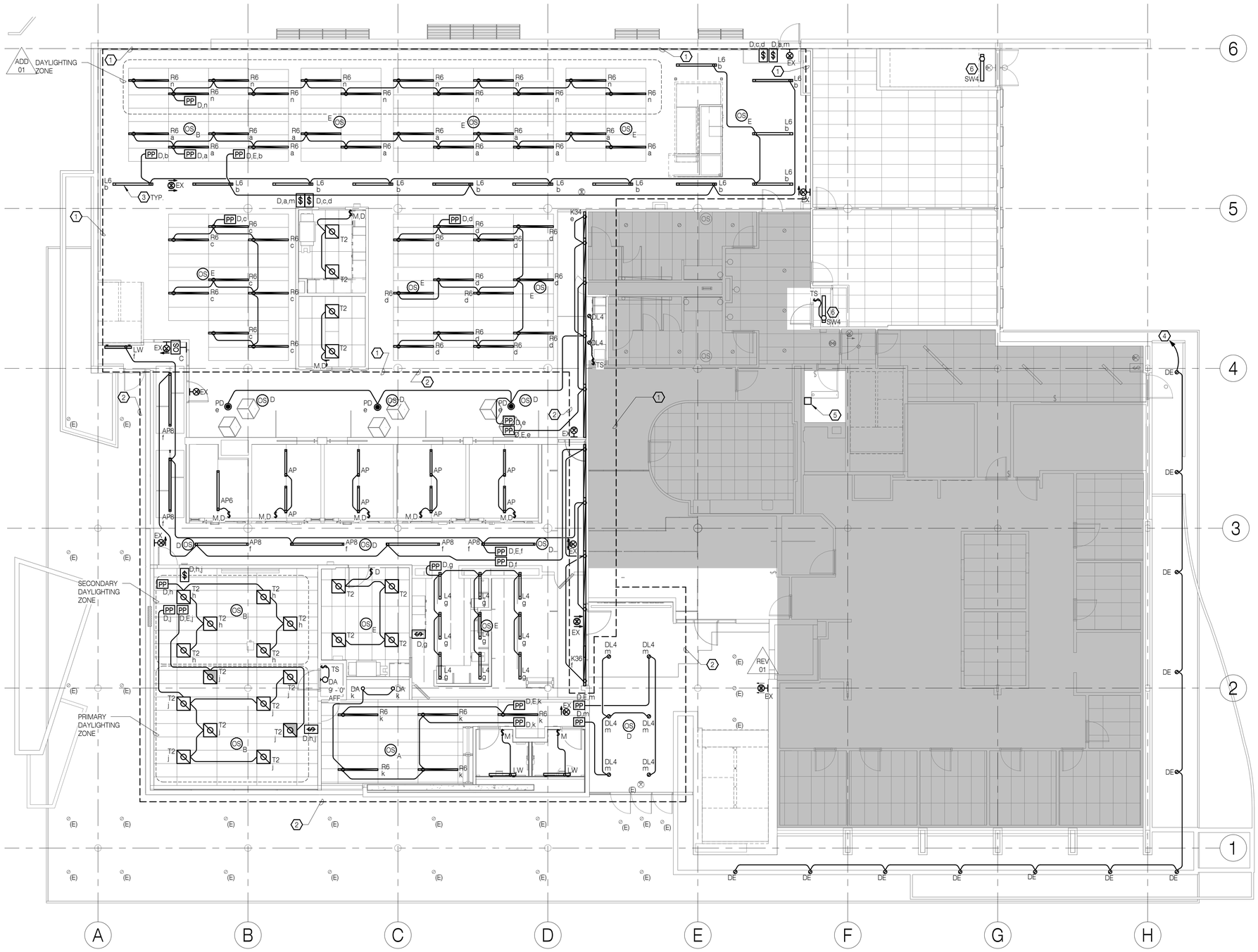
SHEET TITLE:
LIGHTING PLAN - LOWER LEVEL

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
9	RFI 45	09.16.19

ISSUE DATE: 08/20/2020

E111



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

REFERENCE NOTES:

1. CIRCUIT NORMAL LUMINAIRES TO L1-5, EXIT SIGNS TO L1-2 AND EMERGENCY LUMINAIRES TO LIGHTING INVERTER (FIRST FLOOR) CIRCUIT 2 IN THIS AREA.
2. CIRCUIT NORMAL LUMINAIRES TO L1-7, EXIST SIGNS TO L1-2 AND EMERGENCY LUMINAIRES TO LIGHTING INVERTER (FIRST FLOOR) CIRCUIT 2 IN THIS AREA.
3. SUSPEND L6 FIXTURES TO SAME HEIGHT A.F.F. AS ADJACENT R6 FIXTURES IN OPEN OFFICE AREA.
4. CIRCUIT TO L1-9 VIA ASTRONOMICAL TIME CLOCK
5. ASTRONOMICAL TIME CLOCK
6. CONNECT NEW FIXTURE TO CIRCUIT MADE AVAILABLE BY DEMOLITION OF PREVIOUS FIXTURE IN SAME AREA.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/27/2020 12:43:35 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.I40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

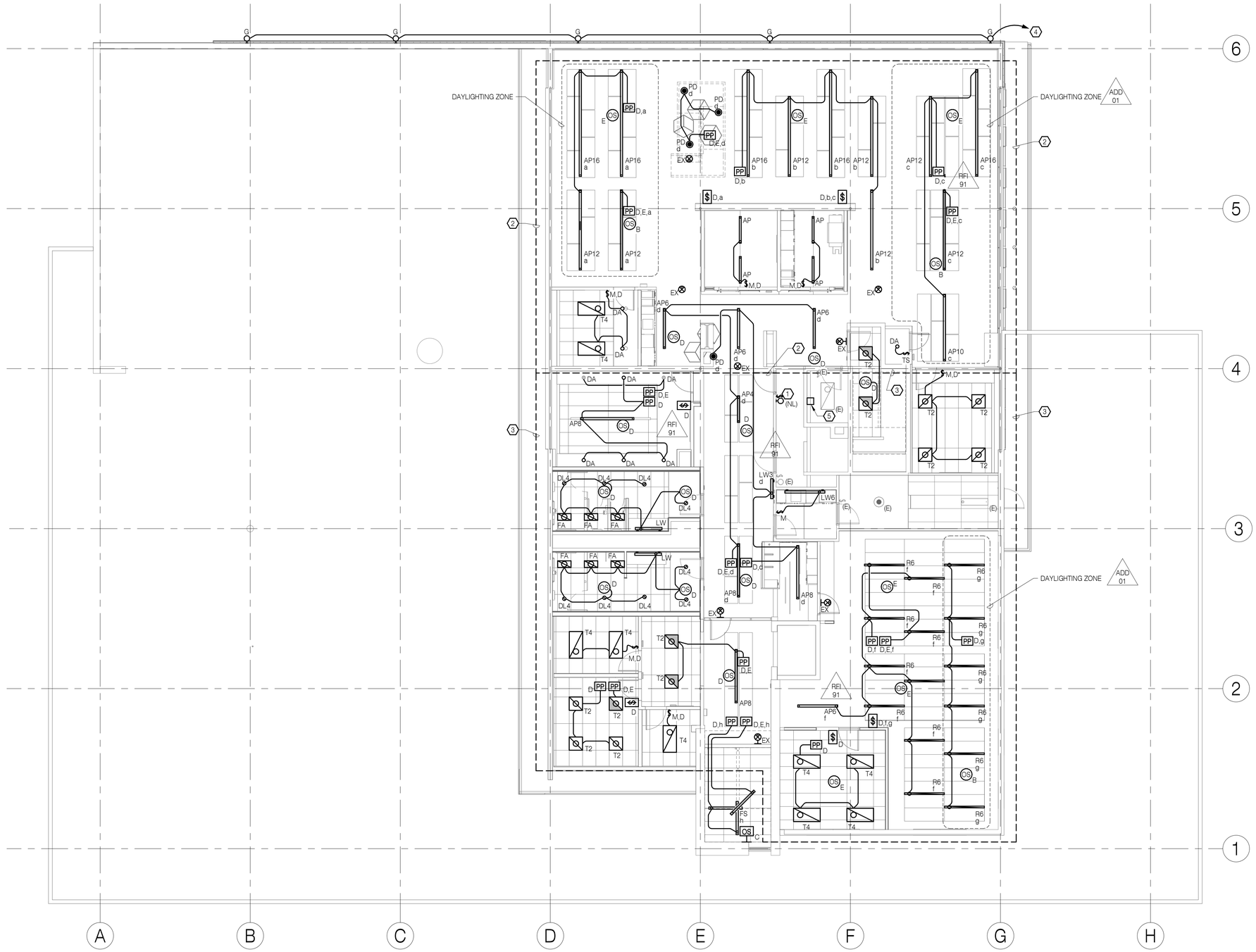
SHEET TITLE:
LIGHTING PLAN - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
2	REV 01	06.14.19

ISSUE DATE: 08/20/2020

E112



NORTH

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

PRINTED ON: 8/27/2020 12:43:41 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

REFERENCE NOTES:

1. REINSTALL FIXTURE AND SWITCH ON NEW WALL. RECONNECT TO CIRCUIT PREVIOUSLY CONNECTED TO DEVICES. INTERCEPT AND EXTEND EXISTING CONDUCTORS AS NECESSARY TO SERVE DEVICE IN NEW LOCATION.
2. CIRCUIT NORMAL LUMINAIRES TO L2-2, EXIT SIGNS TO L2-6 AND EMERGENCY LUMINAIRES TO LIGHTING INVERTER (FIRST FLOOR) CIRCUIT 3 IN THIS AREA.
3. CIRCUIT NORMAL LUMINAIRES TO L2-4, EXIT SIGNS TO L2-6 AND EMERGENCY LUMINAIRES TO LIGHTING INVERTER (FIRST FLOOR) CIRCUIT 3 IN THIS AREA.
4. CIRCUIT TO L2-8 VIA ASTRONOMICAL TIME CLOCK
5. ASTRONOMICAL TIME CLOCK

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

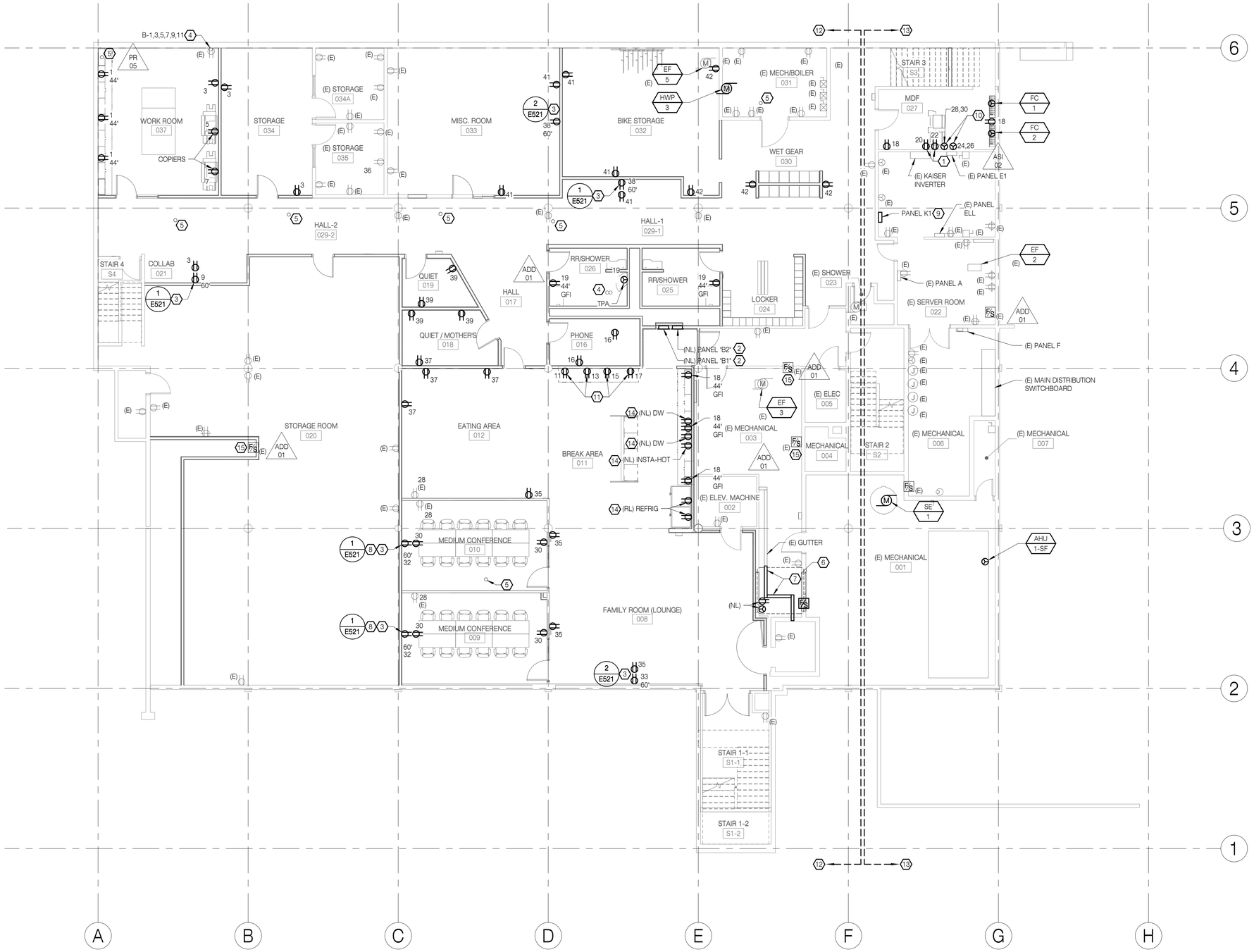
SHEET TITLE:
LIGHTING PLAN - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
12	RFI 91	02.18.20

ISSUE DATE: 08/20/2020

E113



REFERENCE NOTES:

1. PROVIDE (2) 120V RECEPTACLE MOUNTED ON WALL FOR DATA RACKS. COORDINATE RECEPTACLE LOCATIONS WITH OFOI DATA RACKS.
2. PROVIDE NEW FLUSH-MOUNT PANEL TRIM KITS AND RELOCATE EXISTING PANELS IN NEW LOCATION SHOWN. (ASI 02)
3. WALL MOUNTED FLAT SCREEN MONITOR. REFERENCE DETAIL INDICATED.
4. EXISTING POWER PENETRATION TO FIRST FLOOR ABOVE
5. NEW POWER PENETRATION TO FIRST FLOOR ABOVE TO SERVE SYSTEMS FURNITURE
6. REINSTALL FIXTURES IN PREVIOUS AREA FOLLOWING REPLACEMENT OF WALL. RECONNECT TO CIRCUITS AND LOADS PREVIOUSLY CONNECTED TO DEVICES.
7. REPLACE PORTION OF EXISTING GUTTER REMOVED DURING DEMOLITION. INTERCEPT AND EXTEND CONDUCTORS TO REPLACE CIRCUITING REMOVED DURING DEMOLITION.
8. PROVIDE FSR PWB-FR-450 FIRE RATED WALL BOX AT THIS LOCATION.
9. NEW PANELBOARD. PROVIDE PLYWOOD AS REQUIRED FOR MOUNTING.
10. PROVIDE (2) 208V, 30A, 1PH RECEPTACLES TO SERVE FUTURE UPS AT DATA RACKS. COORDINATE CONFIGURATION, LOCATION, AND ELEVATION WITH ARCHITECT AND OWNER'S REPRESENTATIVE FOR NEW OFOI RACK. (ASI 02)
11. MICROWAVE OVEN RECEPTACLES AT 44" AFF
12. NEW FIRE/SMOKE DAMPERS IN THIS AREA ARE ASSIGNED TO PANEL 'A' CIRCUIT 38. OTHER NEW CIRCUITS SHOWN IN THIS AREA ARE ASSIGNED TO PANEL 'B-1' U.O.N.
13. NEW CIRCUITS SHOWN IN THIS AREA ARE ASSIGNED TO PANEL 'A' U.O.N.
14. REINSTALL FIXTURES IN PREVIOUS AREA FOLLOWING CONSTRUCTION OF FIRE RATED WALL. RECONNECT TO CIRCUITS PREVIOUSLY SERVING FIXTURES. EXTEND CIRCUITS AS NECESSARY.
15. RECONNECT POWER TO EXISTING DAMPER. COORDINATE WITH MECHANICAL. REFERENCE 1/M121. (ADD 01)

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/27/2020 12:43:48 PM FROM FILE: C:\Users\ish\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

NORTH

1 POWER PLAN - LOWER LEVEL
1/8" = 1'-0"

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

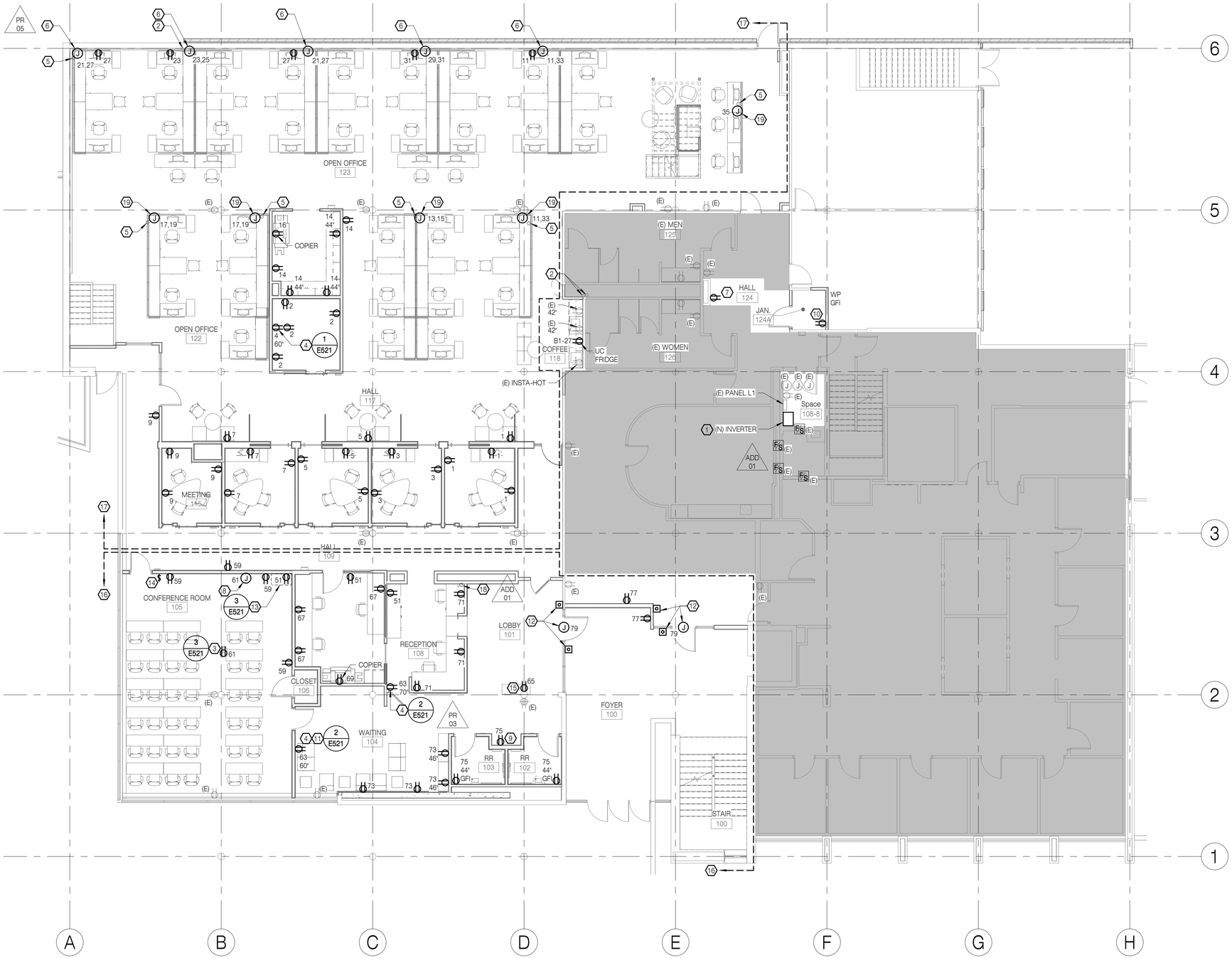
SHEET TITLE:
POWER PLAN - LOWER LEVEL

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
4	ASI 02	07.24.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E121



NORTH

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

REFERENCE NOTES:

1. REPLACE EXISTING LIGHTING INVERTER WITH NEW INVERTER. BASIS OF DESIGN: MEYERS ILLUMINATOR IE SERIES 3.0 KW 120/120.
2. EXISTING POWER PENETRATION FROM LOWER LEVEL
3. CEILING MOUNTED PROJECTOR. REFERENCE DETAIL INDICATED. COORDINATE LOCATION AND CONFIGURATION WITH ARCHITECT.
4. WALL MOUNTED FLAT SCREEN MONITOR. REFERENCE DETAIL INDICATED.
5. NEW POWER PENETRATION FROM LOWER LEVEL TO SERVE SYSTEMS FURNITURE.
6. PROVIDE POWER CONNECTION TO SYSTEMS FURNITURE. COORDINATE LOCATION AND CONFIGURATION WITH FURNITURE EQUIPMENT SUPPLIER AND ARCHITECTURAL. (PR 05)
7. NEW WATER COOLER. CONNECT TO EXISTING CIRCUIT MADE AVAILABLE BY DEMOLITION OF EXISTING COOLER. COORDINATE LOCATION AND CONFIGURATION WITH PLUMBING. REFERENCE 1/P112.
8. JUNCTION BOX FOR ON WALL ABOVE ACCESSIBLE CEILING FOR MOTORIZED PROJECTOR SCREEN. COORDINATE LOCATION AND ELEVATION WITH ARCHITECT PRIOR TO ROUGH-IN. (ADD 01)
9. NEW WATER COOLER
10. CONNECT RECEPTACLE TO CIRCUIT MADE AVAILABLE DURING DEMOLITION.
11. PROVIDE FSR PWB-FR-450 FIRE RATED WALL BOX AT THIS LOCATION.
12. MOTORIZED ADA DOOR OPERATOR. PROVIDE POWER AS SHOWN TO CONTROLLER BY OTHERS. PROVIDE 4-SQUARE BOX FOR PUSHBUTTON LOCATION WITH PATHWAY TO ACCESSIBLE CEILING FOR CONNECTION TO DOOR CONTROLLER. COORDINATE WITH EQUIPMENT INSTALLER.
13. AV CABINET. REFERENCE DETAIL INDICATED AND COORDINATE LOCATION AND CONFIGURATION WITH ARCHITECT PRIOR TO ROUGH-IN.
14. MOTORIZED PROJECTOR SCREEN CONTROL. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
15. CLIENT SELF CHECK-IN IPAD. CONNECT NEW RECEPTACLE TO CIRCUIT SERVING EXISTING RECEPTACLE ELSEWHERE ON COLUMN.
16. NEW FIRE/SMOKE DAMPERS IN THIS AREA ARE ASSIGNED TO PANEL 'A' CIRCUIT 40. OTHER NEW CIRCUITS SHOWN IN THIS AREA ARE ASSIGNED TO PANEL 'B-2' U.O.N.
17. NEW FIRE/SMOKE DAMPERS IN THIS AREA ARE ASSIGNED TO PANEL 'A' CIRCUIT 40. OTHER NEW CIRCUITS SHOWN IN THIS AREA ARE ASSIGNED TO PANEL 'A' U.O.N.
18. NEW POWER PENETRATION FROM LOWER LEVEL TO SERVE RECEPTION DESK (ADD 01)
19. PROVIDE JUNCTION BOX MOUNTED TO BOTTOM OF STRUCTURE BELOW FOR CONNECTION TO SYSTEMS FURNITURE. COORDINATE LOCATION WITH FURNITURE EQUIPMENT SUPPLIER AND ARCHITECTURAL. (PR 05)

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
POWER PLAN - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
5	PR 03	08.13.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E122

PRINTED ON: 8/27/2020 12:44:02 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanatTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

NORTH

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

PRINTED ON: 8/27/2020 12:44:09 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

SHEET NOTES:

1. LOCATION OF ALL EXISTING DEVICES TO BE RETAINED IS APPROXIMATE AND MUST BE FIELD VERIFIED. REFERENCE 1/E103. COORDINATE WITH ARCHITECTURAL.

REFERENCE NOTES:

1. WALL MOUNTED FLAT SCREEN MONITOR. REFERENCE DETAIL INDICATED.
2. NEW WATER COOLER. CONNECT TO EXISTING CIRCUIT MADE AVAILABLE BY DEMOLITION OF EXISTING COOLER. COORDINATE LOCATION AND CONFIGURATION WITH PLUMBING. REFERENCE 1/P113.
3. PROVIDE (1) 120V RECEPTACLE MOUNTED ON WALL. COORDINATE EXACT LOCATION WITH OWNER'S REPRESENTATIVE AND ARCHITECT.
4. PROVIDE POWER CONNECTION TO SYSTEMS FURNITURE. COORDINATE LOCATION AND CONFIGURATION WITH ARCHITECT.
5. PROVIDE JUNCTION BOX ABOVE CEILING LEVEL FOR FUTURE ROOM RESERVATION SYSTEM CONNECTION. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
6. PROVIDE 208V, 20A, 1PH RECEPTACLE TO SERVE FUTURE UPS AT DATA RACKS. COORDINATE CONFIGURATION, LOCATION, AND ELEVATION FOR NEW OFOI DATA RACK WITH OWNER'S REPRESENTATIVE AND ARCHITECT.
7. WIREMOLD AT 1' - 6" AFF ON BRICK OR CMU WALLS
8. ROUTE WIREMOLD VERTICALLY TO ACCESSIBLE CEILING ABOVE.
9. RECEPTACLES ABOVE REPAIR COUNTER AT +46" AFF. COORDINATE LOCATION AND ELEVATION WITH ARCHITECT.
10. EXISTING PHOTOVOLTAIC COMBINER PANEL
11. CONNECT NEW FIXTURE TO EXISTING CIRCUIT SERVING NEARBY EXISTING GENERAL RECEPTACLES IN ELECTRICAL ROOM.
12. PROVIDE FLOOR POKE-THROUGH. REFERENCE 1/E133. COORDINATE LOCATION AND CONFIGURATION WITH EQUIPMENT SUPPLIER AND ARCHITECTURAL.
13. REINSTALL EXISTING RECEPTACLE ON FACE OF ACOUSTICAL PANEL. EXTEND WIRING AS NECESSARY.
14. NEW FIRE/SMOKE DAMPERS IN THIS AREA ARE ASSIGNED TO PANEL 'D' CIRCUIT 21. OTHER NEW CIRCUITS SHOWN IN THIS AREA ARE ASSIGNED TO PANEL 'C' U.O.N.
15. NEW FIRE/SMOKE DAMPERS IN THIS AREA ARE ASSIGNED TO PANEL 'D' CIRCUIT 21. OTHER NEW CIRCUITS SHOWN IN THIS AREA ARE ASSIGNED TO PANEL 'D' U.O.N.
16. RECONNECT POWER TO EXISTING DAMPERS. COORDINATE WITH MECHANICAL. REFERENCE 1/M123.
17. RECONNECT POWER TO EXHAUST FAN EF-1 FOLLOWING REFURBISHMENT. COORDINATE WITH MECHANICAL.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

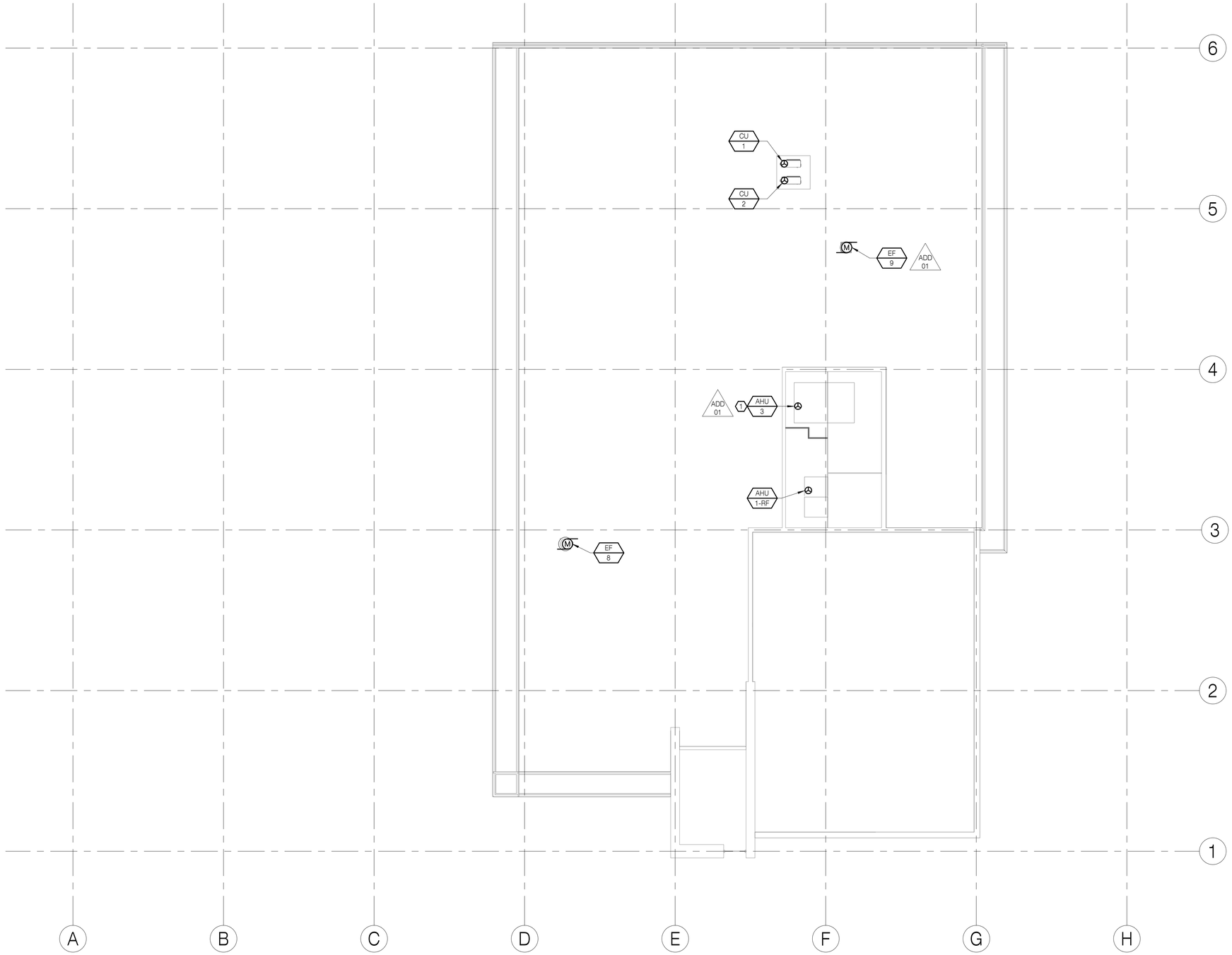
SHEET TITLE:
POWER PLAN - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
4	ASI 02	07.24.19
8	PR 05	09.16.19
11	PR 06	12.03.19

ISSUE DATE: 08/20/2020

E123



REFERENCE NOTES:

ADD 01 / 1 — TEMPORARY UNIT SERVING CLINIC. PROVIDE TEMPORARY POWER TO UNIT DURING CONSTRUCTION AND DISCONNECT POWER FOLLOWING CONSTRUCTION. COORDINATE WITH MECHANICAL. REFERENCE 5/M531 AND MECHANICAL EQUIPMENT CONNECTION SCHEDULE.

NORTH

1 POWER PLAN - SECOND FLOOR ROOF
1/8" = 1'-0"

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/27/2020 12:44:12 PM FROM FILE: C:\Users\ish\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanamT.40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

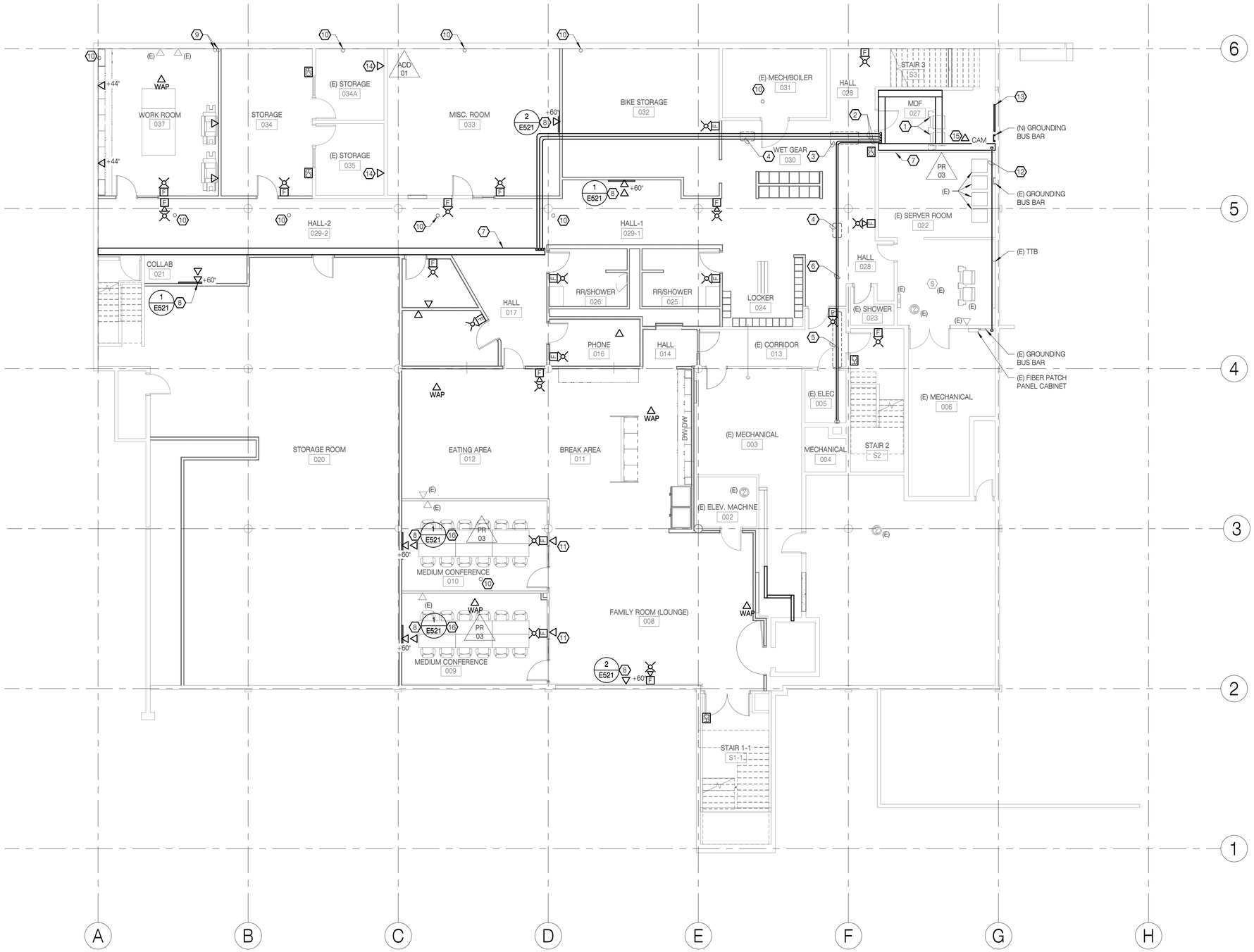
SHEET TITLE:
POWER PLAN - SECOND FLOOR ROOF

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

E124



PRINTED ON: 8/27/2020 12:44:18 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_jhanamTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

NORTH

1 LOW VOLTAGE PLAN - LOWER LEVEL
1/8" = 1'-0"

SHEET NOTES:

1. ROUTE CABLE TRAY UNDER OR AROUND DUCTWORK AND PIPES AS NECESSARY. COORDINATE INSTALLATION WITH ARCHITECT PRIOR TO ROUGH-IN.

REFERENCE NOTES:

1. (2) NEW FOUR-POST DATA RACKS, OFOI.
2. (3) 3" AND (2) 2" CONDUIT PENETRATIONS FROM MDF ROOM AT 7' - 6" AFF
3. BEND CONDUITS UPWARD FROM 7' - 6" AFF AT MDF ROOM TO MOUNT TIGHT TO STRUCTURE AS SOON AS PRACTICAL IN THIS AREA.
4. ROUTE CONDUITS ABOVE EXISTING DUCTWORK IN THIS AREA.
5. REMOVE AND REPLACE FIRE-RATED CEILING FOR INSTALLATION OF CONDUITS ABOVE CEILING.
6. (2) 2" CONDUITS CONTINUE TO 2ND FLOOR ELECTRICAL ROOM. PROVIDE 12-STRAND SINGLE MODE FIBER AND (12) CAT 6 CABLES. REFERENCE 1/E132 AND 1/E133.
7. 12" x 4" LADDER RACK STYLE CABLE TRAY AT 8' - 1" AFF
8. WALL MOUNTED FLAT SCREEN MONITOR. REFERENCE DETAIL INDICATED.
9. EXISTING DATA PENETRATION TO FIRST FLOOR ABOVE
10. NEW DATA PENETRATION TO FIRST FLOOR ABOVE. REFERENCE 1/E132.
11. PROVIDE DATA RECEPTACLE AT +48" A.F.F. FOR FUTURE ROOM RESERVATION SYSTEM CONNECTION. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
12. PROVIDE 2" C. FOR FIBER FROM PATCH PANEL CABINET IN SERVER ROOM TO MDF ROOM.
13. NEW TELEPHONE TERMINAL BOARD. PROVIDE 3/4" PLYWOOD COATED WITH FIRE RETARDANT PAINT. COORDINATE LOCATION AND CONFIGURATION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
14. PROVIDE NEW DATA OUTLETS IN EXISTING LOCATIONS TO SERVE SECURE COMPUTERS IN STORAGE ROOMS. PROVIDE CABLING THROUGH EXISTING PATHWAY TO NEW CABLE TRAY IN HALL 029-2 AND CONTINUE TO MDF ROOM 027.
15. INTERIOR CAMERA LOCATION: PROVIDE ROUGH IN FOR CAMERA. PROVIDE CAT 6 CABLE ROUTED TO VIDEO MANAGEMENT SERVER LOCATION IN MDF. PROVIDE MINIMUM 3' OF CABLE AT TERMINATION POINTS. COORDINATE WITH EQUIPMENT SUPPLIER.
16. PROVIDE FIRE RATED BOX FSR PWB-FR-450 FOR FLAT SCREEN BACK BOX.

ADD 01

PR 03

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

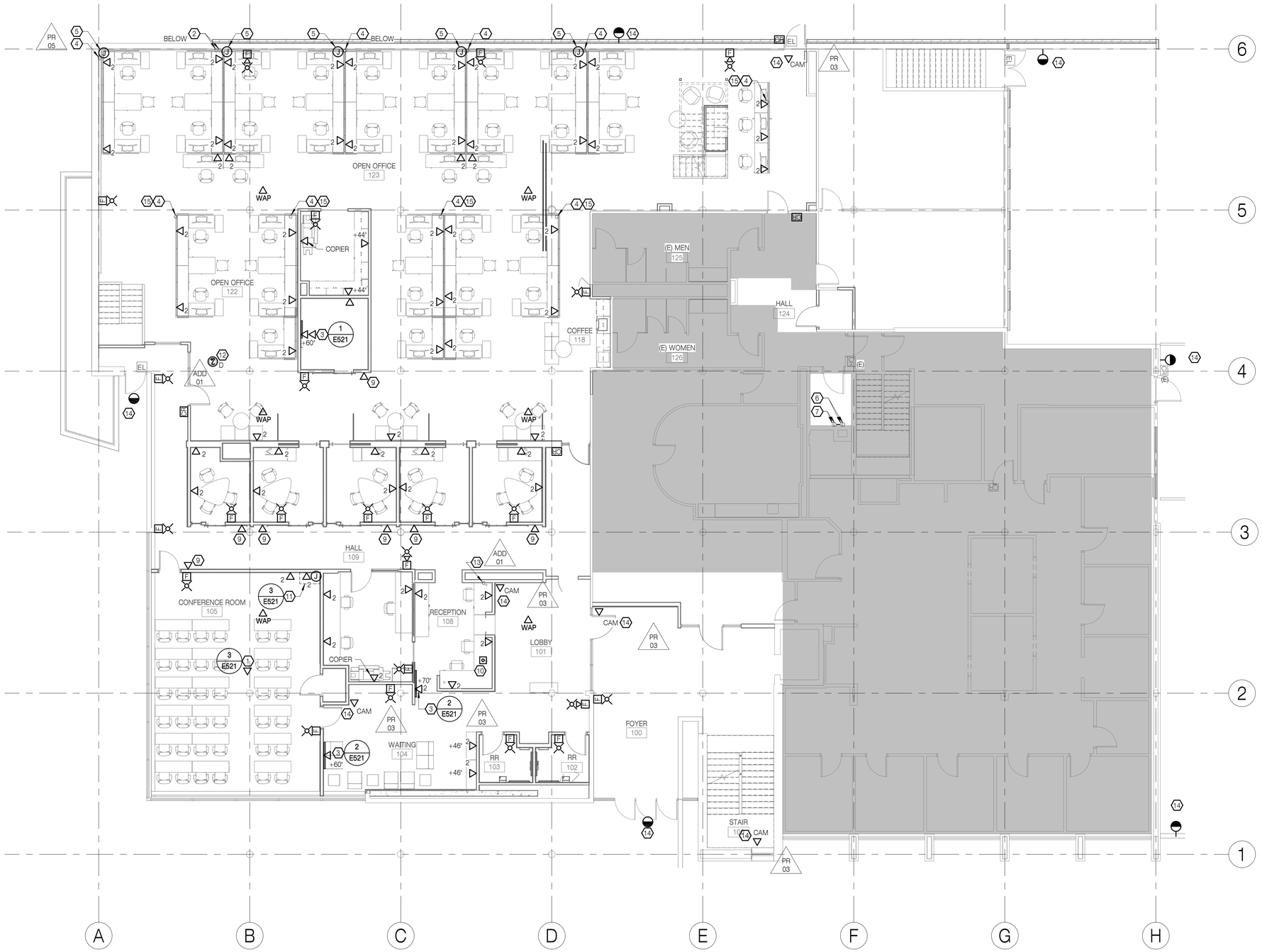
SHEET TITLE:
LOW VOLTAGE PLAN - LOWER LEVEL

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
5	PR 03	08.13.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E131



PRINTED ON: 8/27/2020 12:44:32 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

NORTH

1 LOW VOLTAGE PLAN - FIRST FLOOR

1/8" = 1'-0"

REFERENCE NOTES:

1. CEILING MOUNTED PROJECTOR. REFERENCE DETAIL INDICATED. COORDINATE LOCATION AND CONFIGURATION WITH ARCHITECT.
2. EXISTING DATA PENETRATION FROM LOWER LEVEL
3. WALL MOUNTED FLAT SCREEN MONITOR. REFERENCE DETAIL INDICATED.
4. NEW 1-1/2" C. DATA PENETRATION FROM LOWER LEVEL TO SERVE SYSTEMS FURNITURE
5. PROVIDE DATA CONNECTION TO SYSTEMS FURNITURE. CONTRACTOR TO INSTALL DATA TO EACH WORKSTATION AND FINISH WITH FACEPLATE. COORDINATE LOCATION AND CONFIGURATION WITH ARCHITECT.
6. (2) 2" DATA CONDUITS FROM LOWER LEVEL. REFERENCE 1/E131.
7. (2) 2" DATA CONDUITS CONTINUE TO 2ND FLOOR ELECTRICAL CLOSET. REFERENCE 1/E133.
8. WALL MOUNTED FLAT SCREEN MONITOR. REFERENCE DETAIL 2/E521.
9. PROVIDE DATA RECEPTACLE AT +48" A.F.F. FOR FUTURE ROOM RESERVATION SYSTEM CONNECTION. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
10. PANIC/LOCKOUT PUSHBUTTON AT RECEPTION. COORDINATE LOCATION WITH ARCHITECT PRIOR TO ROUGH-IN.
11. AV CABINET. REFERENCE DETAIL INDICATED. COORDINATE LOCATION AND CONFIGURATION WITH ARCHITECT PRIOR TO ROUGH-IN.
12. ADD 01 — PROVIDE DUCT SMOKE DETECTOR FOR AHU-2 IN RETURN AIR PLENUM ABOVE CEILING. COORDINATE WITH MECHANICAL.
13. NEW 1-1/2" C. DATA PENETRATION FROM LOWER LEVEL TO SERVE RECEPTION DESK.
14. PR 03 — INTERIOR AND EXTERIOR CAMERA LOCATIONS; PROVIDE ROUGH IN FOR CAMERA. PROVIDE CAT6 CABLE ROUTED TO VIDEO MANAGEMENT SERVER LOCATION IN MDF. PROVIDE MINIMUM 5' OF CABLE AT TERMINATION POINTS. COORDINATE WITH EQUIPMENT SUPPLIER.
15. PR 05 — PROVIDE INSULATING BUSHINGS ON EACH END OF THE CONDUIT SLEEVES BEING USED FOR DATA FLOOR PENETRATION.

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING

20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:

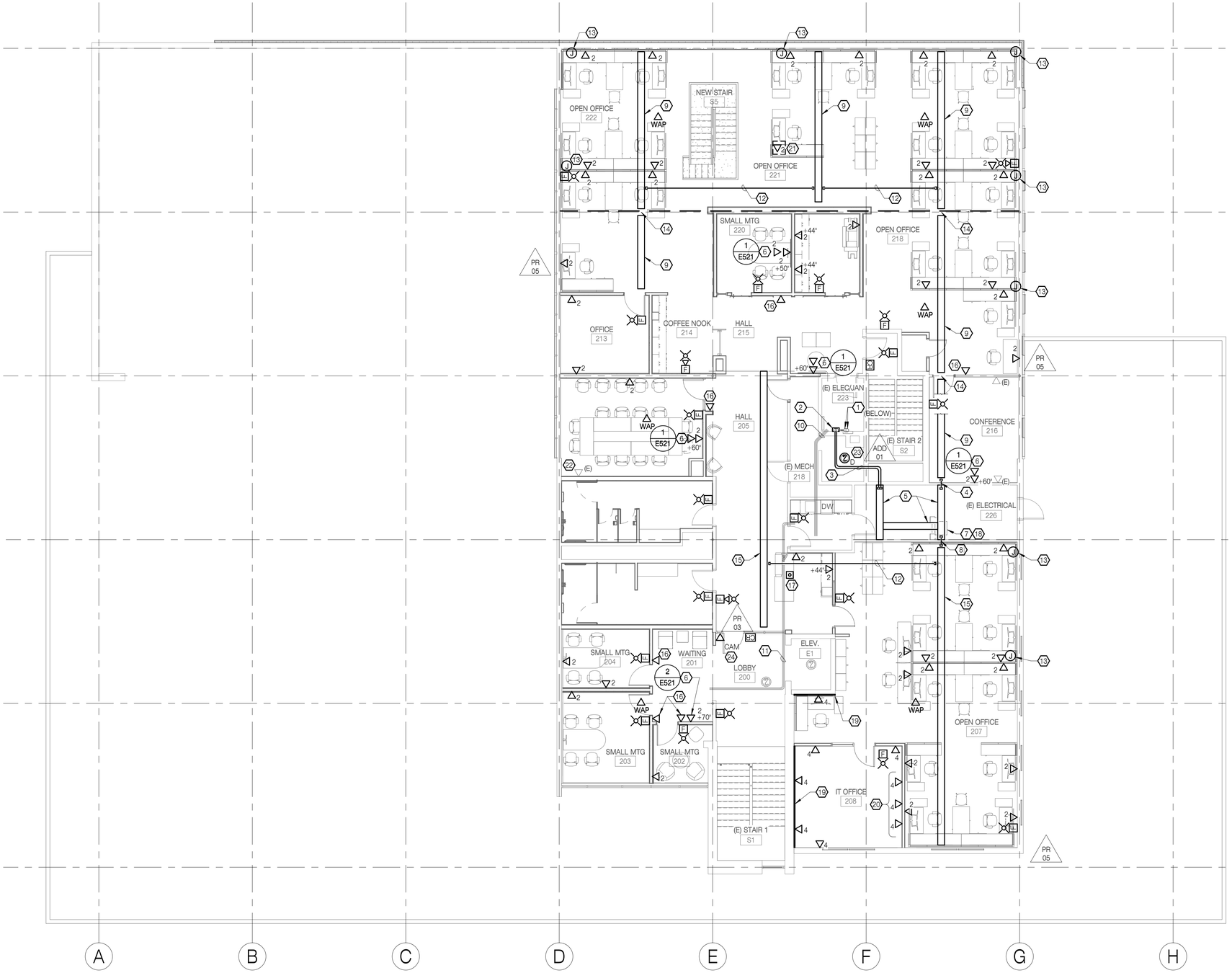
LOW VOLTAGE PLAN - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
5	PR 03	08.13.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E132



NORTH

1 LOW VOLTAGE PLAN - SECOND FLOOR
1/8" = 1'-0"

PRINTED ON: 8/27/2020 12:44:40 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanamTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

REFERENCE NOTES:

1. (2) 2" CONDUIT FROM BASEMENT MDF ROOM TO ELECTRICAL ROOM 223. REFERENCE 1/E130 AND 1/E131.
2. PROVIDE 2' x 1' x 6" WALL MOUNTED PULL BOX FOR DATA CABLING.
3. (2) 2" CONDUIT FROM PULL BOX TO ELECTRICAL ROOM 226. ROUTE AROUND DUCTWORK IN CHASES. COORDINATE WITH MECHANICAL.
4. (1) 3" CONDUIT PENETRATION FROM ELECTRICAL ROOM 208 TO CABLE TRAY IN CONFERENCE ROOM
5. CABLE TRAY BELOW CEILING. COORDINATE WITH EXISTING WORK.
6. WALL MOUNTED FLAT SCREEN MONITOR. REFERENCE DETAIL INDICATED.
7. (1) NEW FOUR-POST DATA RACK, OFOI.
8. (1) 3" CONDUIT PENETRATION FROM ELECTRICAL ROOM 208 TO CABLE TRAY IN OPEN OFFICE
9. CABLE TRAY AT APPROX. 9' - 6" AFF BETWEEN CEILING JOISTS
10. (4) 1" EXISTING CONDUITS AVAILABLE FOR USE
11. (3) 1" EXISTING CONDUITS AVAILABLE FOR USE
12. (1) 3" CONDUIT ROUTED THROUGH WEBBED CEILING JOISTS BETWEEN CABLE TRAYS
13. PROVIDE DATA CONNECTION TO SYSTEMS FURNITURE. CONTRACTOR TO INSTALL DATA CABLING TO EACH WORKSTATION AND FINISH WITH FACEPLATE. COORDINATE LOCATION AND CONFIGURATION WITH ARCHITECT.
14. CABLE TRAY STOPS AT WIDE FLANGE BEAM AT GRID LINE. ROUTE CABLING UNDER BEAM TO NEXT SEGMENT OF CABLE TRAY.
15. CABLE TRAY ABOVE CEILING CLOUDS
16. PROVIDE DATA RECEPTACLE AT +48" A.F.F. FOR FUTURE ROOM RESERVATION SYSTEM CONNECTION. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
17. MOMENTARY BUZZ-IN PUSHBUTTON AT RECEPTION. COORDINATE LOCATION AND CONNECTION REQUIREMENTS WITH ARCHITECT PRIOR TO ROUGH-IN.
18. PROVIDE (12) CAT 6 CABLES FROM IDF 226 TO MDF 027 ON THE LOWER LEVEL. EXACT LOCATION OF BEGINNING AND ENDING TERMINATION LOCATIONS WITHIN SPACES TO BE DETERMINED WITH ARCHITECT AND OWNER'S REPRESENTATIVE.
19. WIREMOLD. REFERENCE 1/E123.
20. RECEPTACLES ABOVE REPAIR COUNTER AT +46" AFF. COORDINATE LOCATION AND ELEVATION WITH ARCHITECT.
21. PROVIDE FLOOR POKE-THROUGH. REFERENCE 1/E123. COORDINATE LOCATION AND CONFIGURATION WITH FURNITURE EQUIPMENT SUPPLIER AND ARCHITECTURAL.
22. REINSTALL EXISTING RECEPTACLE ON FACE OF ACOUSTICAL PANEL. EXTEND WIRING AS NECESSARY.
23. PROVIDE DUCT SMOKE DETECTOR FOR AHU-3 AT TOP OF SHAFT ABOVE. COORDINATE WITH MECHANICAL.
24. INTERIOR SECURITY CAMERA LOCATIONS: PROVIDE ROUGH IN FOR CAMERA. PROVIDE CAT6 CABLE ROUTED TO VIDEO MANAGEMENT SERVER LOCATION IN MDF. PROVIDE MIMIMUM 3' OF CABLE AT TERMINATIOIN POINTS. COORDINATE WITH EQUIPMENT SUPPLIER.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

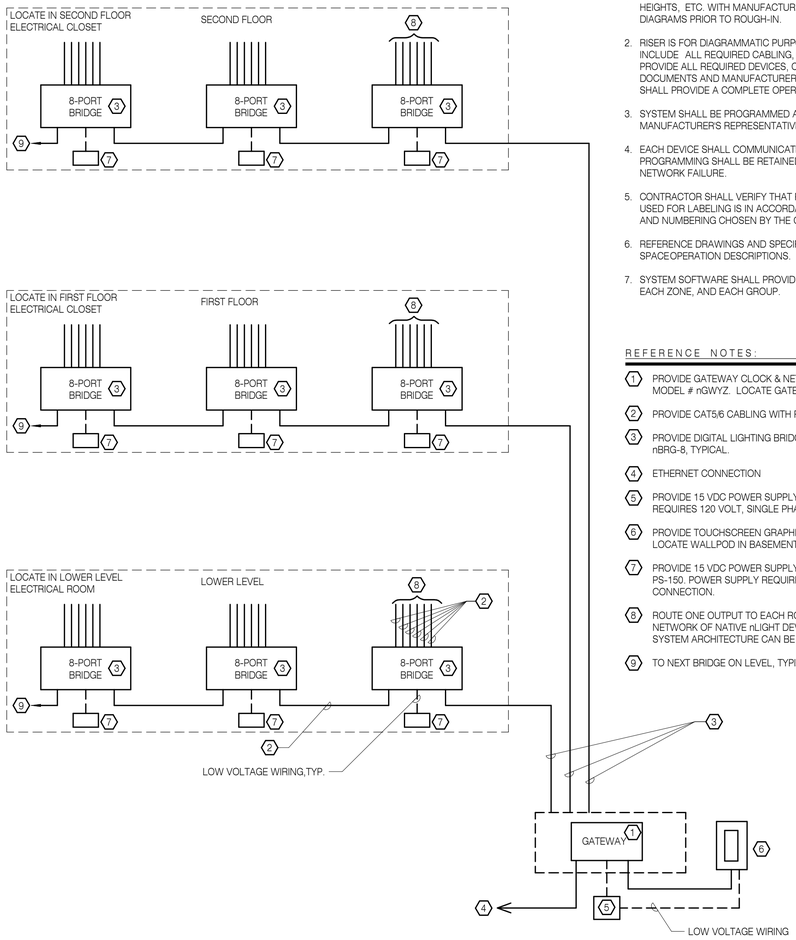
SHEET TITLE:
LOW VOLTAGE PLAN - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
5	PR 03	08.13.19
8	PR 05	09.16.19

ISSUE DATE: 08/20/2020

E133



1 LIGHTING CONTROL SYSTEM RISER DIAGRAM

NOT TO SCALE

LIGHTING CONTROL RISER DIAGRAM GENERAL NOTES:

1. COORDINATE ALL DEVICE BACKBOX SIZES, LOCATIONS, MOUNTING HEIGHTS, ETC. WITH MANUFACTURERS RECOMMENDATIONS AND WIRING DIAGRAMS PRIOR TO ROUGH-IN.
2. RISER IS FOR DIAGRAMMATIC PURPOSES ONLY AND DOES NOT INDICATE OR INCLUDE ALL REQUIRED CABLING, CONDUIT, ETC. CONTRACTOR SHALL PROVIDE ALL REQUIRED DEVICES, CABLING, CONDUIT, ETC. PER THESE DOCUMENTS AND MANUFACTURER'S RECOMMENDATIONS CONTRACTOR SHALL PROVIDE A COMPLETE OPERATIONAL SYSTEM.
3. SYSTEM SHALL BE PROGRAMMED AND COMMISSIONED BY A TRAINED MANUFACTURER'S REPRESENTATIVE.
4. EACH DEVICE SHALL COMMUNICATE BY NETWORK CABLE AND SYSTEM PROGRAMMING SHALL BE RETAINED ON GATEWAY IN EVENT OF A NETWORK FAILURE.
5. CONTRACTOR SHALL VERIFY THAT ROOM NAMES AND NUMBERING SCHEME USED FOR LABELING IS IN ACCORDANCE WITH THE ACTUAL ROOM NAMES AND NUMBERING CHOSEN BY THE OWNER.
6. REFERENCE DRAWINGS AND SPECIFICATIONS FOR LIGHTING ZONES AND SPACEOPERATION DESCRIPTIONS.
7. SYSTEM SOFTWARE SHALL PROVIDE REAL-TIME STATUS OF EACH RELAY, EACH ZONE, AND EACH GROUP.

REFERENCE NOTES:

1. PROVIDE GATEWAY CLOCK & NETWORKING INTERFACE CONTROLLER, MODEL # nGWYZ. LOCATE GATEWAY IN BASEMENT ELECTRICAL ROOM.
2. PROVIDE CAT5/6 CABLING WITH RJ-45 MODULAR ENDS, TYPICAL.
3. PROVIDE DIGITAL LIGHTING BRIDGE, QUANTITY AS REQUIRED, MODEL #: nBRG-8, TYPICAL.
4. ETHERNET CONNECTION
5. PROVIDE 15 VDC POWER SUPPLY, MODEL #: PS-250. POWER SUPPLY REQUIRES 120 VOLT, SINGLE PHASE CONNECTION.
6. PROVIDE TOUCHSCREEN GRAPHIC WALLPOD, MODEL #: nPOD-GFX. LOCATE WALLPOD IN BASEMENT ELECTRICAL ROOM.
7. PROVIDE 15 VDC POWER SUPPLY FOR BRIDGE TYPICAL. MODEL #: PS-150. POWER SUPPLY REQUIRES 120 VOLT, SINGLE PHASE CONNECTION.
8. ROUTE ONE OUTPUT TO EACH ROOM OR SPACE AND CONNECT TO NETWORK OF NATIVE nLIGHT DEVICES IN EACH ROOM OR SPACE. SYSTEM ARCHITECTURE CAN BE TOPOLOGY FREE, TYPICAL.
9. TO NEXT BRIDGE ON LEVEL, TYPICAL

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

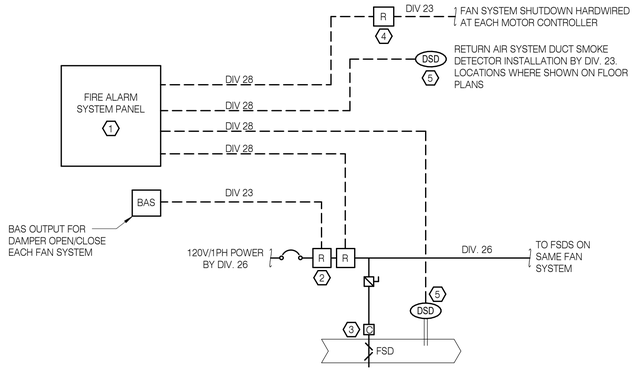
SHEET TITLE:
LIGHTING DETAILS

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

E501



GENERAL NOTES:

1. REFER TO MECHANICAL AND ELECTRICAL FLOOR PLANS AND DETAILS FOR FIRE/SMOKE DAMPER AND DUCT SMOKE DETECTOR QUANTITIES AND LOCATIONS.
2. CONTRACTOR SHALL COORDINATE DUCT SMOKE DETECTOR INSTALLATION AT EACH LOCATION PRIOR TO COMMENCING WORK. DIV. 23 SHALL INSTALL DUCT SMOKE DETECTORS, AND MODIFY DUCTWORK AS REQUIRED TO ACCOMMODATE DETECTOR INSTALLATION. PROVIDE ALL WORK TO SUIT INSTALLATION REQUIREMENTS AND ALL APPLICABLE CODES.
3. REFER TO DIV. 28 FOR ALARM SEQUENCE OF OPERATIONS.

REFERENCE NOTES:

1. REFER TO ELECTRICAL PLANS FOR FIRE ALARM PANEL LOCATION.
2. ADDRESSABLE FIRE ALARM CONTROL MODULES BY DIV. 28. INSTALL ADJACENT TO ELECTRICAL PANEL.
3. FIRE SMOKE DAMPER PROVIDED BY DIV. 23. POWER ALL FIRE SMOKE DAMPERS FOR EACH FAN SYSTEM FROM SAME CIRCUIT.
4. ADDRESSABLE FIRE ALARM CONTROL MODULE BY DIV. 28. INSTALL ADJACENT TO BAS PANEL.
5. DUCT SMOKE DETECTOR FURNISHED & WIRED BY DIV. 28, INSTALLED BY DIV. 23.

1 AIR HANDLER FIRE ALARM CONTROL

NOT TO SCALE

PRINTED ON: 8/27/2020 12:44:44 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

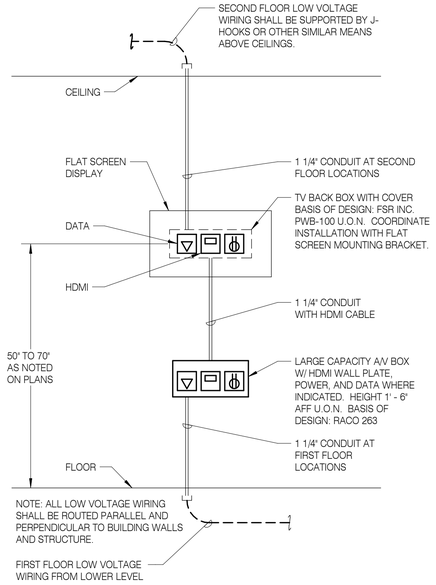
SHEET TITLE:
POWER DISTRIBUTION DETAILS

REVISIONS:

#	DESCRP.	DATE

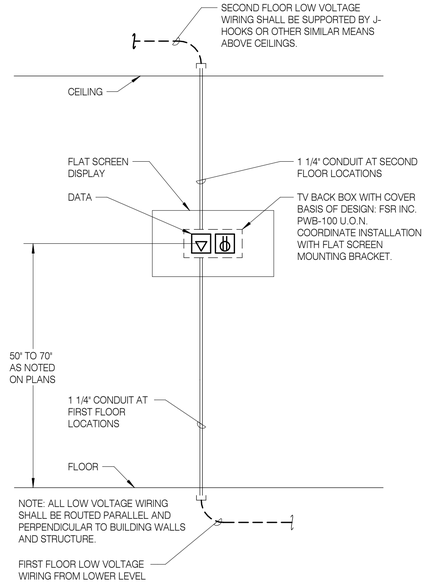
ISSUE DATE: 08/20/2020

E511



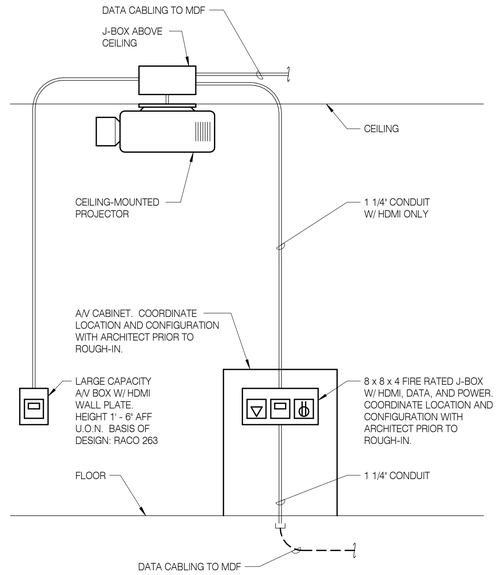
1 FLAT SCREEN INSTALLATION 1

NOT TO SCALE



2 FLAT SCREEN INSTALLATION 2

NOT TO SCALE



3 CONFERENCE ROOM A/V PATHWAY

NOT TO SCALE

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE:
AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:

LOW VOLTAGE DETAILS

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

E521

LUMINAIRE SCHEDULE

TYPE	DESCRIPTION	MANUFACTURER	LAMP	FINISH	NOTES
'AP'	48 INCH LINEAR SUSPENDED DIRECT/INDIRECT 75/25	FLUXWERX APERTURE CIRCLES SERIES	LED 3500K 2650 LM 21W(4FT)	BLACK	MOUNTING :AIRCRAFT CABLE - MOUNT TO XX" AFF HOUSING :ANODIZED EXTRUDED MACHINED ALUMINUM LENS/REFL :ANIDOLIC OPTICAL STRUCTURE WITH ACRYLIC LENSES VOLTAGE :120V BALLAST :ELECTRONIC DRIVER DIMMING (0-10V)
'AP(XX)'	LINEAR SUSPENDED DIRECT/INDIRECT 75/25 ('XX' INDICATED LENGTH IN FEET)	FLUXWERX APERTURE SERIES	LED 3500K 2650 LM 21W(PER 4FT)	BLACK	MOUNTING :AIRCRAFT CABLE - MOUNT TO XX" AFF HOUSING :ANODIZED EXTRUDED MACHINED ALUMINUM LENS/REFL :ANIDOLIC OPTICAL STRUCTURE WITH ACRYLIC LENSES VOLTAGE :120V BALLAST :ELECTRONIC DRIVER DIMMING (0-10V)
'DA'	5" DIAMETER X 5/8 " LED SURFACE MOUNT DOWNLIGHT	LIGHTOLIER SLIMSURFACE ROUND	LED 3500K 80+ CRI 750 LUMENS 11.8W	WHITE	MOUNTING :SURFACE HOUSING :18 GAUGE DIE FORMED ALUMINUM BOX, 22 GA. MTD STEEL FRAME LENS/REFL :SMOOTH SILVER REFLECTOR WITH WHITE FLANGE VOLTAGE :UNIVERSAL VOLTAGE 120V-277V BALLAST :ELECTRONIC DRIVER DIMMING (0-10V) MISC :UL LISTED WET LOCATION
'DE'	7 INCH DIA. LED SURFACE MOUNT LUMINAIRE WET LOCATION LISTED	SATCO S29330 SERIES	LED 2700K 90 CRI 800 LUMENS 13.5W	BRONZE	MOUNTING :SURFACE HOUSING :DIE FORMED ALUMINUM; BRONZE LENS/REFL :SMOOTH SILVER REFLECTOR WITH WHITE FLANGE VOLTAGE :UNIVERSAL VOLTAGE 120V-277V BALLAST :ELECTRONIC DRIVER DIMMING (0-10V) MISC :UL LISTED WET LOCATION
ADD 01 'DL4'	LED RECESSED DOWNLIGHT - 4" APERTURE	GOTHAM EVO4 SERIES LIGHTOLIER L4R	LED 3500K 80+ CRI 1000 LUMENS 15W	WHITE	MOUNTING :RECESSED HOUSING :18 GAUGE DIE FORMED ALUMINUM BOX , 22 GA. MTD STEEL FRAME LENS/REFL :SELF-FLGD; SEMI-SPECULAR TRIM VOLTAGE :UNIVERSAL VOLTAGE 120V-277V BALLAST :ELECTRONIC DRIVER DIMMING (0-10V)
'DLD4'	LED RECESSED SHOWER DOWNLIGHT - 4" APERTURE WITH FLUSH POLYCARBONATE LENSED DEAD FRONT TRIM IP66 RATED	GOTHAM EVO4SH SERIES LIGHTOLIER L4R	LED 3500K 80+ CRI 1000 LUMENS 15W	WHITE	MOUNTING :RECESSED HOUSING :18 GAUGE DIE FORMED ALUMINUM BOX , 22 GA. MTD STEEL FRAME LENS/REFL :SMOOTH; FLUSH LENSED TRIM VOLTAGE :UNIVERSAL VOLTAGE 120V-277V BALLAST :ELECTRONIC DRIVER DIMMING (0-10V) MISC :UL LISTED WET LOCATION
'EX'	LED EXIT SIGN UNIVERSAL MOUNT	LITHONIA LED LE SERIES CHLORIDE ER46L SURELITES CX	LED GREEN 1.7 W	WHITE	MOUNTING :SURFACE HOUSING :DIE CAST ALUMINUM LENS/REFL :SINGLE OR DOUBLE FACES AS INDICATED ON DRAWINGS VOLTAGE :UNIVERSAL 120V-277V BALLAST :ELECTRONIC DRIVER MISC :NICKEL-CADMIUM BATTERY BACK-UP, SELF DIAGNOSTICS CEILING MOUNT FIXTURE, UON
'FA'	12" X 24" RECESSED LED LOW GLARE OPTICS	AXIS DAY SERIES	LED 3500K 80+ CRI 2000 LUMENS 20W	WHITE	MOUNTING :RECESSED HOUSING :DIE FORMED STEEL LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
'FS'	PENDANT LINEAR LED SYSTEM TWO DIRECT / ONE INDIRECT ORIENTED 2.25 X 2.25 X 63 INCH ARM UNITS (D / I / D). 6 INCH MID STEMS AND 24 INCH MAIN STEEL STEM W/ MTG. BRACKET. ORIENT TO FOLLOW HEIGHTS OF STAIRS, AT 60 DEGREE INCREMENTS. BALANCE W/ COUNTERWEIGHTS.	EUREKA SWITCH	LED 3500K 80+ CRI 1834 LUMENS (EACH ARM) 20.8W (X3 ARMS)	WHITE	MOUNTING :PENDANT HOUSING :ALUMINUM W/ LED MODULES, STEEL STEM LENS/REFL :ACRYLIC VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
'G'	16 X 16 X 6 INCH (NOMINAL) WALL MOUNTED LED SCONCE CAST ALUMINUM HOUSING, TYPE III DISTRIBUTION, COMFORT OPTICS	GARDCO PWS SERIES	LED 4000K 80+ CRI 3508 LUMENS 30.4 W	DK GRAY	MOUNTING : WALL-MOUNTED, 16' ABOVE GRADE HOUSING : CAST ALUMINUM LENS/REFL : TYPE III DISTRIBUTION, MOLDED MICRO-OPTICS VOLTAGE : 120 BALLAST : ELECTRONIC
'K(WW)	3' x 5' X ' SURFACE MT LINEAR - LED DIRECT ONLY	FINELITE HP-WS 4W4D S	LED 3500K 80+ CRI 317 LUMENS/FT 3.6W/FT	WHITE	MOUNTING :SURFACE HOUSING :EXTRUDED ALUMINUM LENS/REFL :FROST ACRYLIC VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V) MISC :
'L(XX)'	2 X 4 INCH X (XX) SUSPENDED LINEAR LED LUMINAIRE - DIRECT ONLY FLUSH DIFFUSER ('XX' INDICATES FIXTURE LENGTH IN FEET)	FINELITE HP-2 D SERIES CORONET LS1	LED 3500K 80+ CRI 625 LUMENS 7W/FT	WHITE	MOUNTING :AIRCRAFT CABLE - MOUNT TO XX" AFF HOUSING :DIE FORMED 22 GAUGE COLD ROLLED STEEL LENS/REFL :FROST ACRYLIC VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
ADD 01 'LB'	2 X 4 X 48 INCH WALL MOUNTED LINEAR LED LUMINAIRE WITH ASYMMETRIC OPTIC - INDIRECT ONLY	FINELITE HP-2WM I SERIES CORONET LS1	LED 3500K 80+ CRI 1535 LUMENS 14.4W	WHITE	MOUNTING :SURFACE MOUNTED - WALL HOUSING :DIE FORMED 22 GAUGE COLD ROLLED STEEL LENS/REFL :FROST ACRYLIC VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
'LK'	48" x 3" x 3" RECESSED LINEAR LED LUMINAIRE DIRECT ONLY	LEDALITE TRUGROOVE DEFINITION SERIES FOCAL POINT FSM2L	LED 3500K 80+ CRI 1500 LUMENS 14W	WHITE	MOUNTING :RECESSED - FLUSH LENS IN WOOD CLOUD HOUSING :EXTRUDED ALUMINUM LENS/REFL :FLUSH SILK VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
'LR2'	24" x 3" x 3" SUSPENDED LINEAR LED DIRECT ONLY	FINELITE HP2-D CORONET LS1	LED 3500K 80+ CRI 658 LUMENS 7.5W	WHITE	MOUNTING :AIRCRAFT CABLE - MOUNT TO XX" AFF HOUSING :EXTRUDED ALUMINUM LENS/REFL :FLUSH ACRYLIC VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
ADD 01 'LW(XX)'	3" x 3" SURFACE MOUNT EXTRUDED ALUMINUM LINEAR LED WITH 2 SIDED LENSING (DIRECT)	AXIS EDGE 2 ED2WD	LED 3500K 80+ CRI 500 LUMENS/FT 4W/FT	WHITE	MOUNTING :WALL MOUNT TO 7'-4" AFF TO FIXT BOTTOM HOUSING :EXTRUDED ALUMINUM LENS/REFL :EXTRUDED ACRYLIC VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
'PD'	12" x 9" DIAMETER LED DECORATIVE PENDANT DIRECT ONLY	EUREKA STELLA 4272 SERIES	LED 3500K 80+ CRI 2360 LUMENS 28.6W	BLACK	MOUNTING :PENDANT HOUSING :EXTRUDED ALUMINUM TUBE LENS/REFL :WHITE INTERNAL FINISH VOLTAGE :120V BALLAST :ELECTRONIC DIMMING DRIVER (0-10V)
'R(XX)'	3" x (XX)" RECESSED LINEAR LED LUMINAIRE WITH FLUSH LENS ('XX' INDICATED LENGTH IN FEET)	FINELITE HP-2R B SERIES	LED 3500K 80+ CRI 423 LUMENS/FT 4.6W/FT	WHITE	MOUNTING :RECESSED HOUSING : ANODIZED EXTRUDED MACHINED ALUMINUM LENS/REFL : FROST ACRYLIC VOLTAGE : 120V BALLAST : ELECTRONIC DIMMING DRIVER (0-10V)
'RTR'	12" x 48" RECESSED LINEAR LED RETROFIT ASSEMBLY	LITHONIA BLTR SERIES	LED 3500K 80+ CRI 3000 LUMENS 23W	WHITE	MOUNTING : RECESSED, (MOUNTS IN EXISTING 1 X 4 TROFFER) HOUSING : NONE LENS/REFL : CURVED DIFFUSER, LINEAR PRISMS VOLTAGE : 120 BALLAST : ELECTRONIC
ADD 01 'SM'	192" X 2.25" X 4" INCH SURFACE MOUNT DIRECT ONLY LINEAR LED	FINELITE HP-2-SM H CORONET LS1	LED 3500K 80+ CRI 10004 LUMENS 114W	WHITE	MOUNTING :SURFACE MOUNT HOUSING :DIE FORMED 22 GAUGE COLD ROLLED STEEL LENS/REFL : FLUSH VOLTAGE :120V BALLAST :ELECTRONIC DRIVER DIMMING (0-10V)
'SW4'	4' SURFACE MOUNTED ACRYLIC WRAP	LITHONIA BLWP SERIES DAYBRITE FSW METALUX AP	LED 3500K 80+ CRI 4082 LUMENS 35W	WHITE	MOUNTING :SURFACE MOUNT HOUSING : LENS/REFL : ACRYLIC VOLTAGE : 120V BALLAST : ELECTRONIC DIMMING DRIVER (0-10V)
'T2'	24 X 24 INCH RECESSED LINEAR LED LUMINAIRE	AXIS DAY SERIES LEDALITE 33	LED 3500K 80+ CRI 3000 LUMENS 26W	WHITE	MOUNTING : RECESSED HOUSING : DIE FORMED 22 GAUGE COLD ROLLED STEEL LENS/REFL : FROST ACRYLIC - FLAT VOLTAGE : 120V BALLAST : ELECTRONIC DIMMING DRIVER (0-10V)
'T4'	24 X 48 INCH RECESSED LINEAR LED LUMINAIRE	AXIS DAY SERIES LEDALITE 33	LED 3500K 80+ CRI 3200 LUMENS 26W	WHITE	MOUNTING :RECESSED HOUSING : DIE FORMED 22 GAUGE COLD ROLLED STEEL LENS/REFL : FROST ACRYLIC - FLAT VOLTAGE : 120V BALLAST : ELECTRONIC DIMMING DRIVER (0-10V)
'V2'	24' SURFACE MOUNTED LINEAR LED LUMINAIRE	PRUDENTIAL BOLT PRIMUS ALX3	LED 3500K 80+ CRI 640 LUMENS/FT 23W	WHITE	MOUNTING :SURFACE HOUSING : DIE FORMED 22 GAUGE COLD ROLLED STEEL LENS/REFL : ACRYLIC VOLTAGE : 120V BALLAST : ELECTRONIC

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
LUMINAIRE SCHEDULE

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

E601

PRINTED ON: 8/27/2020 12:44:49 PM FROM FILE: C:\Users\sh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.I40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PR 05

PANEL SCHEDULE

PANEL: A
VOLTS: 120/208
LOCATION: BASEMENT SERVER ROOM 022
MOUNTING: SURFACE

TYPE: BOLT ON **AMPS:** 225
PHASE: 3 **WIRE:** 4
MAIN: MLO

NOTES: EXISTING PANEL SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	30980	*	20490
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	800	100%	800
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		31,780	21,290
MAXIMUM PHASE AMPS		96.2	64.5

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	**(EN) RECEPT MEETING 111**	720	1	A	2	720	**(EN) RECEPT MEETING 120**	1	20
20	1	**(EN) RECEPT MEETING 112**	540	3	B	4	500	**(EN) TV MEETING 120**	1	20
20	1	**(EN) RECEPT MEETING 113**	720	5	C	6		(E) RECEPT RMS 126 & 1127	1	20
20	1	**(EN) RECEPT MEETING 114**	720	7	A	8		(E) FA CONTROL PANEL	1	20
20	1	**(EN) RECEPT MEETING 115**	720	9	B	10		(E) MECH EF-1 (ROOF)	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 119**	1080	11	C	12		(E) RECEPT 1ST FL COLUMN S	1	20
20	2	**(N) SYSTEMS FURN OPEN OFFICE 119**	1620	13	A	14	900	**(EN) RECEPT WORK RM 121**	1	20
			1620	15	B	16	1200	**(EN) COPIER WORK RM 121**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 122**	1620	17	C	18	360	**(EN) RECEPT MDF 027**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 122**	1080	19	A	20	840	**(EN) 120V UPS MDF 027**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 123**	1080	21	B	22	840	**(EN) 120V UPS MDF 027**	1	20
20	2	**(N) SYSTEMS FURN OPEN OFFICE 123**	1620	23	C	24	420	**(N) 208V UPS BSMT MDF 027**	2	20
			1620	25	A	26	420			
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 123**	2160	27	B	28	420	**(N) 208V UPS BSMT MDF 027**	2	20
20	2	**(N) SYSTEMS FURN OPEN OFFICE 123**	1620	29	C	30	420			
			1620	31	A	32		(E) PANEL C 2ND FLR	3	100
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 123**	2160	33	B	34				
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 123**	1620	35	C	36				
20	1	(E) RECEPT		37	A	38	500	**(EN) FIRE/SMOKE DAMPERS BASEMENT**	1	20
20	1	(E) RECEPT		39	B	40	300	**(EN) FIRE/SMOKE DAMPERS 1ST FLR**	1	20
20	1	(E) RECEPT		41	C	42		SPARE	1	20

PHASE TOTALS		A	B	C
	Connected VA	10760	11540	9480
	Demand VA	7286	7734	6270
	Connected Amps	89.7	96.2	79.0
	Demand Amps	60.7	64.5	52.3

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

PANEL SCHEDULE

PANEL: B1
VOLTS: 120/208
LOCATION: BASEMENT HALL 014
MOUNTING: SURFACE

TYPE: BOLT ON **AMPS:** 225
PHASE: 3 **WIRE:** 4
MAIN: MLO

NOTES: EXISTING RELOCATED PANEL SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	10480	*	10240
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	7200	100%	7200
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		17,680	17,440
MAXIMUM PHASE AMPS		60.0	59.3

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	**(EN) RECEPT WORK 037**	540	1	A	2		(E) RECEPT KAISER RECEPTION 102A	1	20
20	1	**(EN) RECEPT COLLAB 021, WORK 037, 034**	720	3	B	4		(E) RECEPT KAISER 102B SPARE (ON)	1	20
20	1	**(EN) COPIER WORK 037**	1200	5	C	6		(E) RECEPT KAISER REC AND CONF RM 103	1	20
20	1	**(EN) COPIER WORK 037**	1200	7	A	8		(E) REFRIG KAISER REC AND CONF RM 103	1	20
20	1	**(EN) RECEPT TV COLLAB 021**	500	9	B	10		(E) RECEPT KAISER REC AND CONF RM 103	1	20
20	1	**(EN) MICROWAVE BREAK 011**	1200	11	C	12		(E) RECEPT KAISER REC AND CONF RM 103	1	20
20	1	**(EN) MICROWAVE BREAK 011**	1200	13	A	14		(E) RECEPT REFRIG BREAK 011	1	20
20	1	**(EN) MICROWAVE BREAK 011**	1200	15	B	16	720	**(EN) RECEPT PHONE ROOM 015, 016**	1	20
20	1	**(EN) MICROWAVE BREAK 011**	1200	17	C	18	540	**(EN) RECEPT BREAK 011**	1	20
20	1	**(EN) RECEPT, TRAP PRIMER RR 025, 026**	460	19	A	20		(E) RECEPT REFRIG BREAK 011	1	20
20	1	(E) RECEPT 1ST RR 105, 106		21	B	22		(E) RECEPT DISHWASHER BREAK 011	1	20
20	1	(E) RECEPT WATER COOLER HALL 104		23	C	24		(E) RECEPT INSTA HOT BREAK 011	1	20
20	1	(E) RECEPT COFFEE 118		25	A	26		**(EN) SPARE**	1	20
20	1	(E) RECEPT INSTA HOT 118		27	B	28		**(EN) RECEPT CONF ROOM 009, 010, EAT 01**	1	20
20	1	(E) RECEPT COFFEE 118		29	C	30	720	**(EN) RECEPT CONF 009, 010**	1	20
20	1	**(EN) SPARE**		31	A	32	1000	**(EN) RECEPT TV CONF 009, 010**	1	20
20	1	**(EN) RECEPT TV LOUNGE 008**	500	33	B	34		(E) RECEPT STORAGE 034A, 035	1	20
20	1	**(EN) RECEPT LOUNGE 008, BREAK 011, 012**	720	35	C	36		(E) RECEPT STORAGE 034A, 035	1	20
20	1	**(EN) RECEPT EATING 012, MOTHER'S 018**	720	37	A	38	1000	**(EN) RECEPT TV HALL 029, MISC RM 033**	1	20
20	1	**(EN) RECEPT MOTHER'S 018, QUIET 019**	720	39	B	40		(E) RECEPT MECHANICAL 003	1	20
20	1	**(EN) RECEPT BIKE 032, MISC ROOM 033**	900	41	C	42	720	**(EN) RECEPT WET 030, BIKE 032**	1	20

PHASE TOTALS		A	B	C
	Connected VA	6120	4360	7200
	Demand VA	6035	4288	7118
	Connected Amps	51.0	36.3	60.0
	Demand Amps	50.3	35.7	59.3

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

MECHANICAL EQUIPMENT CONNECTION SCHEDULE

TAG	DESCRIPTION	VOLTAGE	PHASE	HP	KW	AMP	FEEDER DESCRIPTION	CIRCUIT BREAKER	CIRCUIT ID	STARTER	STARTER SIZE	DISCONNECT	VFD	NOTES
AHU-1	SUPPLY FAN - MECH ROOM	208	3	20		59.4	3 #4 CU , 1 #8 GND. IN 1 1/4" C.	80/3	MDP	DIV 23	3	DIV 26	NA	5
AHU-1	RETURN FAN - PENTHOUSE	208	3		20.9	58.0	3 #4 CU , 1 #8 GND. IN 1 1/4" C.	80/3	D-38,40,42	NA	NA	DIV 23	DIV 23	1,5
AHU-2	AIR HANDLER- 1ST FL ROOF	208	3		95.4	264.8	3 #400 CU , 1 #2 GND. IN 3" C.	300/3	MDP	NA	NA	DIV 26	DIV 23	1
AHU-3	AIR HANDLER - 2ND FL ROOF	208	3		24.1	67.0	3 #3 CU , 1 #8 GND. IN 1 1/4" C.	90/3	MDP	NA	NA	DIV 26	DIV 23	1,4
EF-1	EXHAUST FAN - 1ST FL ROOF	208	3	1 1/2		6.6	3 #12 CU , 1 #12 GND. IN 3/4" C.	15/3	F-25,27,29	DIV 23	0	DIV 23	NA	3
EF-6	EXHAUST FAN - 1ST FL ROOF	120	1	1/6		1.6	2 #12 CU , 1 #12 GND. IN 1/2" C.	15/1	F-35	DIV 23	0	DIV 23	NA	
EF-7	EXHAUST FAN - 1ST FL ROOF	120	1	1/6		1.6	2 #12 CU , 1 #12 GND. IN 1/2" C.	15/1	F-37	DIV 23	0	DIV 23	NA	
EF-8	EXHAUST FAN - 2ND FL ROOF	120	1	1/4		5.8	2 #12 CU , 1 #12 GND. IN 1/2" C.	15/1	C-8	DIV 23	0	DIV 23	NA	
EF-9	EXHAUST FAN - 2ND FL ROOF	120	1	1/4		5.8	2 #12 CU , 1 #12 GND. IN 1/2" C.	15/1	C-10	DIV 23	0	DIV 23	NA	
EF-10	EXHAUST FAN - 2ND FL ROOF	120	1	1/4		5.8	2 #12 CU , 1 #12 GND. IN 1/2" C.	15/1	C-12	DIV 23	0	DIV 23	NA	
AC-1	FAN COIL UNIT - IT ROOM	208	1									DIV 26		2
CU-1	CONDENSING UNIT - ROOF	208	1		3.8	18.3	2 #10 CU , 1 #10 GND. IN 3/4" C.	30/2	F-26,28	NA	NA	DIV 26	NA	2
FC-2	FAN COIL UNIT - IT ROOM	208	1									DIV 26		2
CU-2	CONDENSING UNIT - ROOF	208	1		3.8	18.3	2 #10 CU , 1 #10 GND. IN 3/4" C.	30/2	F-39,41	NA	NA	DIV 26	NA	2
HWP-3	PUMP - BOILER ROOM	208	3	3		10.6	3 #12 CU , 1 #12 GND. IN 3/4" C.	15/3	B2-70,72,74	NA	NA	DIV 23	DIV 23	1
HWP-4	PUMP - AIR HANDLER AHU-2	120	1	1/3		7.2	2 #12 CU , 1 #12 GND. IN 1/2" C.	15/1	B2-78	NA	NA	DIV 26	NA	6
SE-1	SEWAGE EJECTOR	208	3	3		10.6	3 #12 CU , 1 #12 GND. IN 3/4" C.	15/3	F-21,23	DIV 23	0	DIV 26	NA	

NOTES:
1. VFD PROVIDED BY DIV 23 AND INSTALLED BY DIV 26.
2. FC UNIT POWERED FROM CU UNIT. PROVIDE INTERCONNECTION PER MECHANICAL EQUIPMENT MANUFACTURER'S REQUIREMENTS INCLUDING SEPARATE 1/2" CONDUIT BETWEEN UNITS FOR CONTROL.
3. EXISTING FAN AND STARTER. NEW MOTOR. OVERLOADS MAY REQUIRE ADJUSTMENT.
4. CONNECT UNIT FOR TEMPORARY MECHANICAL SERVICE DURING CONSTRUCTION AND DISCONNECT WHEN THE PROJECT IS COMPLETED. COORDINATE WITH MECHANICAL.
5. PROVIDE DEDICATED 120V, 20 AMP CIRCUIT FROM PANEL D FOR LIGHTS FOR THIS UNIT.
6. PROVIDE RELAY FOR CONTROLS SEQUENCING BY DIV 23.

ADD 01

ADD 01

PR 06

PR 06

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
SCHEDULES

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
8	PR 05	09.16.19
11	PR 06	12.03.19

ISSUE DATE: 08/20/2020

E602

PANEL SCHEDULE

PANEL: B2
VOLTS: 120/208
LOCATION: BASEMENT HALL 014
MOUNTING:
TYPE: BOLT ON **AMPS:** 225
PHASE: 3 **WIRE:** 4
MAIN: MLO

NOTES: EXISTING RELOCATED PANEL SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	10330	*	10165
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	720	100%	720
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		11,050	10,885
MAXIMUM PHASE AMPS		34.2	33.7

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	**(EN) SPARE**		43	A	44		(E) SPARE	1	20
20	1	**(EN) SPARE**		45	B	46		(E) RECEPT DISHWASHER BREAK 011	1	20
20	1	**(EN) SPARE**		47	C	48		**(EN) SPARE**	1	20
20	1	**(EN) SPARE**		49	A	50		**(EN) SPARE**	1	20
20	1	**(EN) RECEPT OFFICE 107, RECEPTION 108**	540	51	B	52		**(EN) SPARE**	1	20
20	1	(E) RECEPT 1ST FLR COLUMN		53	C	54		**(EN) SPARE**	1	30
20	2	(E) IT RM AC-1		55	A	56		**(EN) SPARE**		
				57	B	58		(E) RECEPT BOILER WEST	1	20
20	1	**(EN) RECEPT CONF 105**	720	59	C	60		(E) RECEPT BOOSTER PUMP WEST	1	20
20	1	**(EN) MOTORIZED PROJECTOR CONF 105**	680	61	A	62		(E) RECEPT BOOSTER PUMP EAST	1	20
20	1	**(EN) RECEPT TV WAITING 104**	1180	63	B	64		(E) RECEPT BOILER EAST	1	20
20	1	**(EN) COLM RECEPT: (E) 105, (N) 101**	430	65	C	66		(E) RECEPT SUMP BOILER ROOM	1	20
20	1	**(EN) RECEPT OFFICE 107**	1980	67	A	68		(E) RECEPT & LTS BOILER RM	1	20
20	1	**(EN) COPIER OFFICE 107**	1200	69	B	70		(RP) HW-3 PUMP BOILER RM	3	15
20	1	**(EN) RECEPT RECEPTION 108**	1620	71	C	72				
20	1	**(EN) RECEPT WAITING 104**	720	73	A	74				
20	1	**(EN) RECEPT RR 102, 103, WATER**	540	75	B	76		(E) RECEPT CNTRL PNL BOILER RM	1	20
20	1	**(EN) RECEPT (E) STAIR S1, (N) KAISER**	720	77	C	78	864	**(RP) HWP-4**	1	20
20	1	**(EN) ADA DOOR OPERATORS FOYER 100**	720	79	A	80		**(EN) SPARE**	1	20
20	2	(E) IT RM AC-2		81	B	82		**(EN) SPARE**	1	20
				83	C	84		(E) SPARE	1	20

PHASE TOTALS		A	B	C
	Connected VA	4100	3460	3490
	Demand VA	4046	3405	3434
	Connected Amps	34.2	28.8	29.1
	Demand Amps	33.7	28.4	28.6

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

PR 05

PANEL SCHEDULE

PANEL: C
VOLTS: 120/208
LOCATION: 2ND FLOOR ELEC/JAN 223
MOUNTING: SURFACE
TYPE: BOLT ON **AMPS:** 250
PHASE: 3 **WIRE:** 4
MAIN: MLO

NOTES: NEW PANEL - REPLACES EXISTING PANEL C (100 MB)
(RL) INDICATES A RELOCATED LOAD FROM EXISTING PANEL C.
(N) INDICATES NEW LOAD

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	18740	*	14370
MOTOR LOADS	2088	**	2436
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		20,828	16,806
MAXIMUM PHASE AMPS		72.1	59.4

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	**(EN) RECEPT SMALL MTG 220, 221**	540	1	A	2	1000	**(EN) TV SMALL MTG 220, HALL 215**	1	20
20	1	**(EN) RECEPT HALL 215, WORK 219, OPEN**	720	3	B	4	1200	**(EN) COPIER WORK RM 219**	1	20
20	1	(E) RECEPT OPEN OFFICE 218		5	C	6		(RL) RECEPT CONF 216	1	20
20	1	(E) RECEPT OPEN OFFICE 218		7	A	8	696	**(N) EF-8**	1	20
20	1	(E) RECEPT OPEN OFFICE 218		9	B	10	696	**(N) EF-9**	1	20
20	1	(EN) SPARE		11	C	12	900	**(EN) RECEPT 201, 202, 203, 204**	1	20
20	1	(E) RECEPT OPEN OFFICE 218		13	A	14		(RL) RECEPT SMALL MTG 203	1	20
20	1	(EN) SPARE		15	B	16		(RL) RECEPT SMALL MTG 203	1	20
20	1	**(EN) TV MED CONF 212**	180	17	C	18		(RL) RECEPT SMALL MTG 203, WAIT 201	1	20
20	1	**(EN) RECEPT MED CONF 212, HALL 205**	540	19	A	20	500	**(EN) TV WAITING 201**	1	20
20	1	**(EN) RECEPT OFFICE 213**	540	21	B	22	180	**(EN) TV CONFERENCE 216**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 222**	1260	23	C	24		(RL) RECEPT BELOW PANEL	1	20
20	1	**(EN) SYSTEMS FURN, RECEPT 222**	1260	25	A	26		**(EN) SPARE**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 221**	1080	27	B	28	1100	**(EN) INSTA-HOT COFFEE 214**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 218**	900	29	C	30	360	**(EN) RECEPT COFFEE 214**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 218**	1260	31	A	32	696	**(N) EF-10**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 218**	1080	33	B	34		**(EN) SPARE**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 207**	1080	35	C	36		**(EN) SPARE**	1	20
20	1	**(EN) SYSTEMS FURN OPEN OFFICE 207**	2160	37	A	38		**(EN) SPARE**	1	20
20	1	**(EN) SPARE**		39	B	40		**(EN) SPARE**	1	20
20	1	**(EN) SPARE**		41	C	42	1800	**(EN) DISHWASHER COFFEE 209**	1	20

PHASE TOTALS		A	B	C
	Connected VA	8652	6596	5580
	Demand VA	7133	5394	4279
	Connected Amps	72.1	55.0	46.5
	Demand Amps	59.4	45.0	35.7

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

ADD 01

PR 06

PANEL SCHEDULE

PANEL: D
VOLTS: 120/208
LOCATION: 2ND FLR ELECTRICAL 226
MOUNTING:
TYPE: BOLT ON **AMPS:** 225
PHASE: 3 **WIRE:** 4
MAIN: MLO

NOTES: EXISTING PANEL - SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	14070	*	12035
MOTOR LOADS	20898	**	26123
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	350	100%	350
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		35,318	38,508
MAXIMUM PHASE AMPS		106.9	114.6

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	(E) PV MONITOR		1	A	2		(E) RECEPT PV ROOM S		
20	1	(E) RECEPT ROOF		3	B	4	720	**(EN) RECEPT REC 206, OPEN 207**	1	20
20	1	(E) LTG - BREAK ROOM		5	C	6	930	**(EN) RECEPT, INSTA-HOT 209**	1	20
20	1	(E) LTG - REST ROOM		7	A	8	1800	**(EN) DISHWASHER COFFEE 209**	1	20
20	1	(E) LTG STORAGE AND PV EQUIP		9	B	10	1620	**(EN) WORKSTATIONS IT OFFICE 208**	1	20
20	1	**(EN) RECEPT AND LTS AHU-1**	250	11	C	12	2160	**(EN) REPAIR BENCH IT OFFICE 208**	1	20
20	1	(E) RECEPT CORRIDOR		13	A	14	720	**(EN) RECEPT IT OFFICE 208**	1	20
20	1	(E) RECEPT WATER COOLER AND ADJ REC		15	B	16	360	**(EN) SYST FURN OPEN OFFICE 207**	1	20
20	1	(E) EX FANS AND RR		17	C	18	1440	**(EN) SYST FURN OPEN OFFICE 207**	1	20
20	1	(EN) SPARE		19	A	20	1080	**(EN) SYST FURN OPEN OFFICE 207**	1	20
20	1	**(EN) FIRE/SMOKE DMPRS 2ND FLR**	100	21	B	22	900	**(EN) SYST FURN OPEN OFFICE 207**	1	20
20	2	(E) DUCT HEAT STE 200		23	C	24	1080	**(EN) RECEPT OPEN OFFICE 207**	1	20
				25	A	26	840	**(EN) 120V UPS ELECTRICAL 226**	1	20
20	2	**(EN) 208V UPS ELECTRICAL 226**	420	27	B	28		**(N) SPARE**	1	20
			420	29	C	30		**(N) SPARE**	1	20
70	3	(E) SPARE		31	A	32		(E) PNL D1	3	90
				33	B	34				
				35	C	36				
30	3	(E) COOLING TOWER (OFF)		37	A	38	6966	**(RP) AHU-1 - RETURN**	3	80
				39	B	40	6966			
				41	C	42	6966			

PHASE TOTALS		A	B	C
	Connected VA	11406	11086	12826
	Demand VA	12505	12246	13756
	Connected Amps	95.1	92.4	106.9
	Demand Amps	104.2	102.1	114.6

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

ADD 01

PANEL SCHEDULE

PANEL: D1
VOLTS: 120/208
LOCATION: 2ND FLR ELECTRICAL 226
MOUNTING:
TYPE: BOLT ON **AMPS:** 100
PHASE: 3 **WIRE:** 4
MAIN: MLO

NOTES: EXISTING PANEL - SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	0	*	0
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		0	0
MAXIMUM PHASE AMPS		0.0	0.0

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	(E) RECEPT		1	A	2		(E) LOAD		
20	1	(E) RECEPT		3	B	4		(E) LOAD	1	20
20	1	(E) RECEPT WOMENS HAND DRY		5	C	6		(E) RECEPT MENS HAND DRY	2	20
20	1	(E) RECEPT WOMENS GFCI		7	A	8		(E) RECEPT MENS GFCI		
20	1	(E) RECEPT WOMENS HAND DRY		9	B	10		(E) RECEPT MENS HAND DRY	1	20
20	1	(E) LOAD		11	C	12		(E) RECEPT N WALL INTERNET RM	1	20
20	1	(E) LOAD		13	A	14		(E) LOAD	1	20
20	1	(E) LOAD		15	B	16		(E) LOAD	3	45
20	1	(E) LOAD		17	C	18		(E) LOAD		
20	1	SPACE		19	A	20		SPACE		
20	1	SPACE		21	B	22		SPACE	2	20
20	1	SPACE		23	C	24		SPACE		

PHASE TOTALS		A	B	C
	Connected VA	0	0	0
	Demand VA	0	0	0
	Connected Amps	0.0	0.0	0.0
	Demand Amps	0.0	0.0	0.0

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
20 AUGUST 2020

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
SCHEDULES

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
8	PR 05	09.16.19
11	PR 06	12.03.19

ISSUE DATE: 08/20/2020

E603

PANEL SCHEDULE

PANEL: E1
VOLTS: 120/208
TYPE: BOLT ON **AMPS:** 225
PHASE: 3 **WIRE:** 4
LOCATION: BASEMENT SERVER ROOM 022
MAIN: MLO
MOUNTING:

NOTES: EXISTING PANEL - SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	0	*	0
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		0	0
MAXIMUM PHASE AMPS		0.0	0.0

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	(E) EQUIP RM 140 UC LAB FREEZER		1	A	2		SPARE	1	20
20	1	(E) EQUIP RM 140 UC LAB REEFER		3	B	4		SPARE	1	20
20	1	(E) EQUIP RM 136 MED PREP REEFER		5	C	6		SPARE	1	20
20	1	(E) EQUIP RM 136 MED PREP FREEZER		7	A	8		SPARE	1	20
20	1	(E) EQUIP RM 136 MED PREP FREEZER		9	B	10		SPARE	2	20
20	1	(E) EQUIP RM 136 WIFI TEMP SENS BASE ST		11	C	12		SPARE		
20	1	SPARE		13	A	14		SPARE	1	20
20	1	SPARE		15	B	16		SPARE	1	20
20	1	SPARE		17	C	18		SPARE	1	20
20	1	SPARE		19	A	20		SPARE	1	20
20	1	SPARE		21	B	22		SPARE	1	20
20	1	SPARE		23	C	24		SPARE	1	20

PHASE TOTALS	A	B	C
Connected VA	0	0	0
Demand VA	0	0	0
Connected Amps	0.0	0.0	0.0
Demand Amps	0.0	0.0	0.0

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

PANEL SCHEDULE

PANEL: ELL
VOLTS: 120/208
TYPE: BOLT ON **AMPS:** 225
PHASE: 3 **WIRE:** 4
LOCATION: BASEMENT SERVER ROOM 022
MAIN: MLO
MOUNTING:

NOTES: EXISTING PANEL - SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	0	*	0
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		0	0
MAXIMUM PHASE AMPS		0.0	0.0

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	(E) RECEPT IT RM LL202 ACCESS CNTRL		1	A	2		(E) RECEPT IT RM LL202 RACKMOUNT	2	30
20	1	(E) RECEPT IT RM LL202 NURSE CALL		3	B	4				
20	1	(E) RECEPT IT RM LL202 RACKMOUNT		5	C	6		(E) RECEPT IT RM LL202 RACKMOUNT	2	30
20	1	(E) RECEPT IT RM LL202 RACKMOUNT		7	A	8				
20	1	(E) RECEPT IT RM LL202 RACKMOUNT		9	B	10		(E) RECEPT IT RM LL202 RACKMOUNT	2	30
20	1	(E) RECEPT IT RM LL202 RACKMOUNT		11	C	12				
20	1	SPARE		13	A	14		(E) RECEPT IT RM LL202 RACKMOUNT	2	30
20	1	SPARE		15	B	16				
20	1	SPARE		17	C	18		SPARE	1	20
20	1	SPARE		19	A	20		SPARE	1	20
20	1	SPARE		21	B	22		SPARE	1	20
20	1	SPARE		23	C	24		SPARE	1	20
20	1	SPARE		25	A	26		SPARE	1	20
20	1	SPARE		27	B	28		SPARE	1	20
20	1	SPARE		29	C	30		SPARE	1	20
20	1	SPARE		31	A	32		SPARE	1	20
20	1	SPARE		33	B	34		SPARE	1	20
20	1	SPARE		35	C	36		SPARE	1	20
20	1	SPARE		37	A	38		SPARE	1	20
20	1	SPARE		39	B	40		SPARE	1	20
20	1	SPARE		41	C	42		SPARE	1	20

PHASE TOTALS	A	B	C
Connected VA	0	0	0
Demand VA	0	0	0
Connected Amps	0.0	0.0	0.0
Demand Amps	0.0	0.0	0.0

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

PANEL SCHEDULE

PANEL: F
VOLTS: 120/208
TYPE: BOLT ON **AMPS:** 100
PHASE: 3 **WIRE:** 4
LOCATION: BASEMENT MECHANICAL 006
MAIN: MLO
MOUNTING: SURFACE

NOTES: EXISTING PANEL SQUARE D
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN OR SPACE, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	0	*	0
MOTOR LOADS	5144	**	5971
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	7600	100%	7600
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		12,744	13,571
MAXIMUM PHASE AMPS		48.4	50.6

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	3	(E) SUMP PUMP FOUNDATION		1	A	2		(E) CIRC PUMP	3	40
				3	B	4				
				5	C	6				
20	1	(E) RECEPT BOILER RM		7	A	8		(E) SUMP PUMP - PRKING LOT WEST	1	20
20	1	(E) RECEPT ROOF EAST		9	B	10		(E) FAN BOILER ROOM	1	20
20	3	(E) SUMP PUMP FOUNDATION		11	C	12		(E) HEAT TRACE	1	20
				13	A	14		(E) SMOKE DAMPERS	1	20
				15	B	16		(E) TELEPHONE BOARD BSMNT	1	20
20	1	(E) IRRIGATION/HVAC CONTROL		17	C	18		SPARE	1	20
20	1	(E) EF-2 BSMNT		19	A	20		(E) LTG ELEV MACH RM	1	20
15	2	**(RP) SEWAGE EJECTOR**	1102	21	B	22		(E) ELEVATOR INTERCOM	1	20
			1102	23	C	24		(E) LTG ELEVATOR CAR	1	20
15	3	**(RP) EF-1**	900	25	A	26	1900	**(RP) CU-1/AC-1**	2	30
			900	27	B	28	1900			
			900	29	C	30		(E) RECEPT COURT YARD	1	20
20	1	(E) SUMP PUMP ELEVATOR		31	A	32		(E) RECEPT COURT YARD	1	20
20	1	(E) SUMP PUMP WASTEWATER		33	B	34		(E) AIR DRYER AND COMPRESSOR	1	20
15	1	**(RP) EF-6**	120	35	C	36		(E) DOM HW CIRC	1	20
15	1	**(RP) EF-7**	120	37	B	38		(E) SUMP PUMP - SPRINKLER ROOM	1	20
30	2	**(RP)CU-2/AC-2**	1900	39	C	40		(E) ELEVATOR PIT LTG AND RECEPT	1	20
			1900	41	B	42		(E) SPRINKLER ROOM LTG AND RECEPT	1	20

PHASE TOTALS	A	B	C
Connected VA	2920	5802	4022
Demand VA	3196	6078	4298
Connected Amps	24.3	48.4	33.5
Demand Amps	26.6	50.6	35.8

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

PANEL SCHEDULE

PANEL: K1
VOLTS: 120/208
TYPE: BOLT ON **AMPS:** 225
PHASE: 3 **WIRE:** 4
LOCATION: BASEMENT MDF 027
MAIN: MLO
MOUNTING: SURFACE

NOTES: NEW PANEL - 54 SPACE - PROVIDE INDIVIDUAL POWER MONITORING.
(NL) INDICATES RELOCATED KAISER LOAD FROM PANEL A.
(NL1) INDICATES RELOCATED KAISER LOAD FROM PANEL L1.
(NL2) INDICATES RELOCATED KAISER LOAD FROM PANEL B2.
(NL3) INDICATES RELOCATED KAISER LOAD FROM PANEL F

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	0	125%	0
OUTLETS	0	*	0
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		0	0
MAXIMUM PHASE AMPS		0.0	0.0

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	(NL) RECEPT SW		1	A	2		(NL) RECEPT RM 125 RECEPTION	1	20
20	1	(NL) RECEPT RM 119		3	B	4		(NL) RECEPT RM 125 RECEPTION	1	20
20	1	(NL) RECEPT RM 119		5	C	6		(NL) RECEPT RMS 126 & 127	1	20
20	1	(NL) RECEPT SW		7	A	8		SPARE	1	20
20	1	(NL) RECEPT SW		9	B	10		SPARE	1	20
20	1	(NL) RECEPT SW		11	C	12		SPARE	1	20
20	1	(NL) RECEPT RM 129 EXAM TABLE		13	A	14		(NL) RECEPT RM 138 EXAM TABLE	1	20
20	1	(NL) RECEPT RM 129 WALL MOUNT		15	B	16		(NL) RECEPT RM 138 WALL MOUNT	1	20
20	1	(NL) RECEPT RM 130 EXAM TABLE		17	C	18		(NL) RECEPT RM 140 LAB CENTRIFUGE	1	20
20	1	(NL) RECEPT RM 130 WALL MOUNT		19	A	20		(NL) RECEPT RM 140 LAB	1	20
20	1	(NL) RECEPT RM 131 EXAM TABLE		21	B	22		(NL) RECEPT RM 140 LAB	1	20
20	1	(NL) RECEPT RM 131 WALL MOUNT		23	C	24		(NL) RECEPT RM 141 EXAM TABLE	1	20
20	1	(NL) RECEPT RM 132 EXAM TABLE		25	A	26		(NL) RECEPT RM 137 WALL MOUNT &HALL 1	1	20
20	1	(NL) RECEPT RM 132 & 134 WALL MOUNT		27	B	28		(NL) RECEPT RM 134 & 135	1	20
20	1	(NL) RECEPT RM 133 EXAM TABLE		29	C	30		(NL) RECEPT RM 136	1	20
20	1	(NL) RECEPT RM 133 WALL MOUNT		31	A	32		(NL2) RECEPT RM 144	1	20
20	1	(NL) RECEPT RM 134 EXAM TABLE		33	B	34		(NL2) RECEPT RM S 145 & 147	1	20
20	1	(NL) RECEPT RM 134 WALL MOUNT		35	C	36		(NL2) RECEPT RM S 148 & 149	1	20
20	1	(NL) RECEPT		37	A	38		(NL) RECEPT RM 146	1	20
20	1	(NL) RECEPT		39	B	40		(NL) RECEPT RM 146 & 150	1	20
20	1	(NL) RECEPT		41	C	42		(NL) RECEPT RM 146 & 151	1	20
20	1	(NL1) LTG NW CORR AND CORE OFCS		43	A	44		(NL3) DUCTLESS CLINIC	2	25
20	1	(NL1) LTG - NE EXAM RMS		45	B	46				
15	2	(NL3) DUCTLESS MED ROOM		47	C	48		SPACE		
				49	A	50		SPACE		
15	2	(NL3) DUCTLESS LOBBY		51	B	52		SPACE		
				53	C	54		SPACE		

PHASE TOTALS	A	B	C
Connected VA	0	0	0
Demand VA	0	0	0
Connected Amps	0.0	0.0	0.0
Demand Amps	0.0	0.0	0.0

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE ■

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
20 AUGUST 2020

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
SCHEDULES

REVISIONS:
DESCRP. DATE

ISSUE DATE: 08/20/2020

E604

PANEL SCHEDULE

PANEL: L1
VOLTS: 120/208
LOCATION: FIRST FLOOR ELEC/JAN RM 108-8
MOUNTING: SURFACE
TYPE: BOLT ON **AMPS:** 250
PHASE: 3 **WIRE:** 4
MAIN: MLO

NOTES: EXISTING PANEL - SQUARE D POWER LINK
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	5406	125%	6758
OUTLETS	1897	*	1897
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		7,303	8,655
MAXIMUM PHASE AMPS		25.0	29.9

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	**(EN) LTG BASEMENT SOUTH**	**1185**	1	A	2	**500**	**(EN) EXIT SIGNS**	1	20
20	1	**(EN) LTG BASEMENT NORTH**	**945**	3	B	4		SPARE	1	20
20	1	**(EN) LTG FIRST FLOOR SOUTH**	**1431**	5	C	6		(E) LTG BSMNT LUNCH ROOM LL200	1	20
20	1	**(EN) LTG FIRST FLOOR NORTH**	**1183**	7	A	8		SPARE	1	20
20	1	**(EN) LTG 1ST FLR EXT SOFFIT NORTH,**	**162**	9	B	10		SPARE	1	20
20	1	SPARE		11	C	12		SPARE	1	20
20	1	(E) LTG - CONFERENCE COLD CATHODE		13	A	14		SPARE	1	20
20	1	(E) LTG - FOYER		15	B	16		(E) LTG 1ST/2ND FLR EXIT/STAIT/CORR	1	20
20	1	SPARE		17	C	18		(E) LTG EXTERIOR SOFFIT	1	20
20	1	(E) LTG S CORRIDOR		19	A	20		SPARE	1	20
20	1	(E) LTG SW OFC/RESTROOM		21	B	22		SPACE	1	20
20	1	(E) LTG - LOBBY UP LIGHT AND,		23	C	24		(E) LTG SOUTH TRACK LIGHT	1	20
20	1	(E) LTG - LOBBY UP LIGHT AND DOWN		25	A	26		SPACE	1	20
40	1	**(RP) LTG INVERTER**	**1897**	27	B	28		(E) LTG EAST TRACK LIGHT	1	20
20	1	(E) LTG - BRANDING WALL		29	C	30		(E) LTG DATA ROOM PATHWAY	1	20
20	1	(E) LTG - NW EGRESS		31	A	32		SPACE		
20	1	(E) LTG - POLE LIGHTS		33	B	34		SPACE		
20	1	(E) LTG - PLANTER LIGHTS		35	C	36		SPACE		
20	1	(E) LTG - POLE LIGHTS		37	A	38		SPACE		
20	1	(E) LTG - SIGN		39	B	40		SPACE		
		SPACE		41	C	42		SPACE		

ADD 01

PHASE TOTALS		A	B	C
	Connected VA	2868	3004	1431
	Demand VA	3585	3281	1789
	Connected Amps	23.9	25.0	11.9
	Demand Amps	29.9	27.3	14.9

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

PANEL SCHEDULE

PANEL: L2
VOLTS: 120/208
LOCATION: 2ND FLR ELEC/JAN RM 223
MOUNTING:
TYPE: BOLT ON **AMPS:** 250
PHASE: 3 **WIRE:** 3
MAIN: MLO

NOTES: EXISTING PANEL - SQUARE D POWER LINK
(N) INDICATES A NEW BREAKER SERVING NEW LOAD.
(E) INDICATES AN EXISTING BREAKER SERVING AN EXISTING LOAD.
(EN) INDICATES AN EXISTING BREAKER SERVING A NEW LOAD
(RP) INDICATES REPLACE AN EXISTING BREAKER WITH BREAKER SIZE SHOWN, BREAKER SHALL MATCH EXISTING PANEL MANUFACTURER.

LOAD CLASS	Conn. VA	Demand Factor	Demand Load VA
LIGHTING	2689	125%	3361
OUTLETS	0	*	0
MOTOR LOADS	0	**	0
RESISTANCE LOADS	0	100%	0
SUBFEED	0	100%	0
MISC. LOADS	0	100%	0
SUBFEED BREAKER	0		0
		Connected	Demand
TOTAL VOLT-AMPS		2,689	3,361
MAXIMUM PHASE AMPS		9.5	11.9

BREAKER A	BREAKER P	DESCRIPTION	WATTS	CIR. NO.	PHASE	CIR. NO.	WATTS	DESCRIPTION	BREAKER P	BREAKER A
20	1	(E) LTG ELEC ROOM		1	A	2	**894**	**(N) LTG 2ND FLOOR SOUTH**	1	20
20	1	(E) LTG EXTERIOR S		3	B	4	**1142**	**(N) LTG 2ND FLOOR NORTH**	1	20
20	1	(E) LTG SOFFIT WEST		5	C	6	**500**	**(N) EXIT SIGNS 2ND FLOOR**	1	20
20	1	(E) LTG CORRIDOR		7	A	8	**153**	**(N) LTG EXTERIOR SOUTH WALL**	1	20
20	1	(E) LTG RICHARDS		9	B	10		SPACE		
20	1	(E) LTG RICHARDS (OFF)		11	C	12		SPACE		
20	1	(E) LTG TRUS JOIST		13	A	14		SPACE		
20	1	(E) LTG TRUS JOIST (OFF)		15	B	16		SPACE		
20	1	(E) LTG LARSON STE207		17	C	18		SPACE		
20	1	(E) LTG OFFICE STE200		19	A	20		SPACE		
20	1	(E) LTG OPEN OFFICE STE200		21	B	22		SPACE		
		SPACE		23	C	24		SPACE		
		SPACE		25	A	26		SPACE		
		SPACE		27	B	28		SPACE		
		SPACE		29	C	30		SPACE		
		SPACE		31	A	32		SPACE		
		SPACE		33	B	34		SPACE		
		SPACE		35	C	36		SPACE		
		SPACE		37	A	38		SPACE		
		SPACE		39	B	40		SPACE		
		SPACE		41	C	42		SPACE		

ADD 01

PHASE TOTALS		A	B	C
	Connected VA	1047	1142	500
	Demand VA	1309	1428	625
	Connected Amps	8.7	9.5	4.2
	Demand Amps	10.9	11.9	5.2

* 10kVA at 100%, remainder at 50%
** 100% plus 25% of the largest Motor

PIVOT ARCHITECTURE
RECORD DRAWING
20 AUGUST 2020
SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

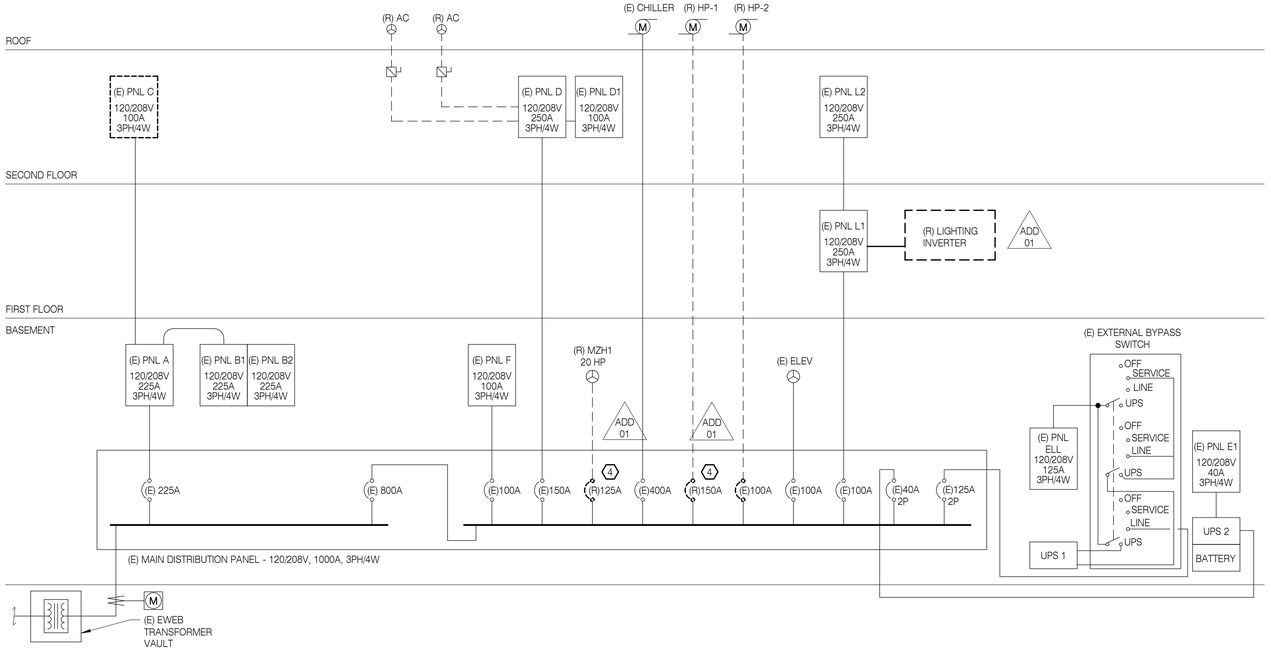
SHEET TITLE:
SCHEDULES

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

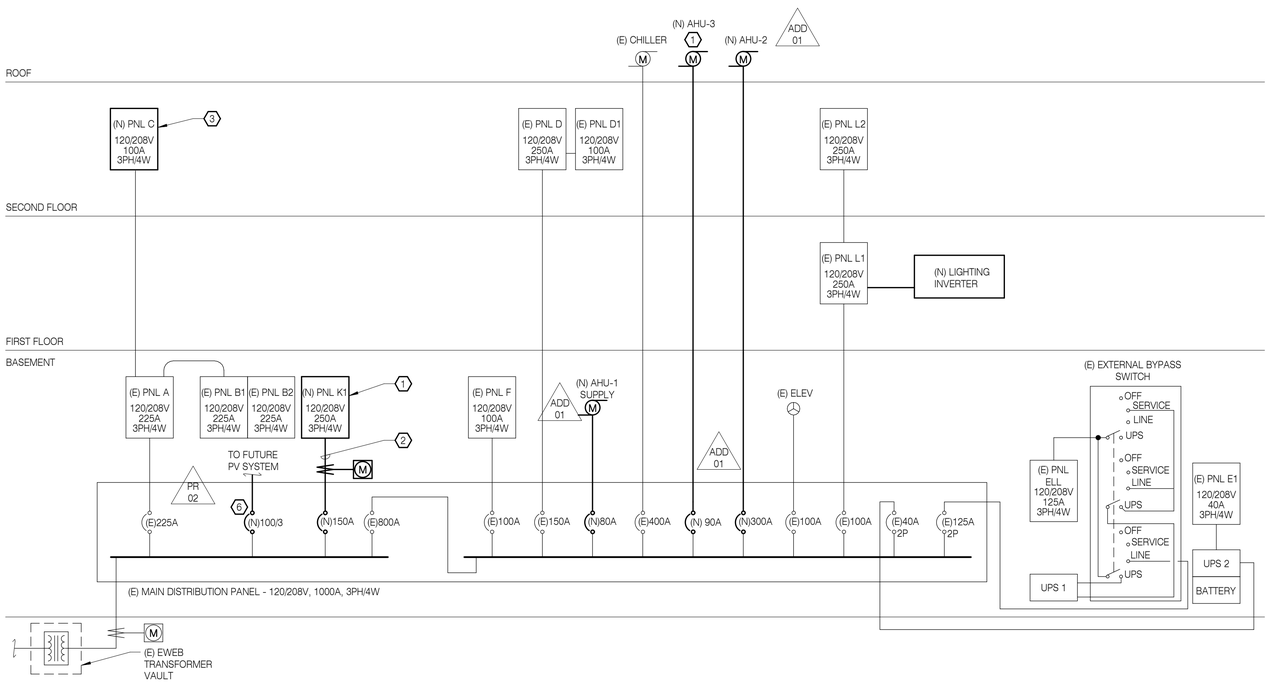
ISSUE DATE: 08/20/2020

E605



1 ONE-LINE DIAGRAM - DEMOLITION

NOT TO SCALE



2 ONE-LINE DIAGRAM - NEW

NOT TO SCALE

SHEET NOTES:

1. SEE MECHANICAL EQUIPMENT CONNECTION SCHEDULE FOR CONNECTION REQUIREMENTS FOR MECHANICAL EQUIPMENT ADDED TO MDP.

ADD 01

REFERENCE NOTES:

1. PROVIDE NEW 42-SPACE PANEL UTILIZING SPARE SPACE IN DISTRIBUTION SECTION. EXTEND EXISTING CIRCUITS SERVING KAISER TENANT SPACE IDENTIFIED ON PANEL SCHEDULES TO NEW PANEL.
2. PROVIDE BRANCH FEEDER (4) #1/0, (1) #6 GND IN 2" C.
3. PROVIDE NEW 42-SPACE PANEL REPLACING EXISTING 30-SPACE PANEL. SERVE NEW PANEL BY EXISTING FEEDER AND 100A BREAKER IN PANEL 'A'.
4. RETURN CIRCUIT BREAKER TO OWNER.
5. UNIT TO BE CONNECTED FOR TEMPORARY USE DURING CONSTRUCTION. UNIT TO BE REMOVED UPON COMPLETION OF PROJECT.COORDINATE WITH MECHANICAL.

ADD 01

6. PROVIDE 100 AMP, 3 POLE SPARE CIRCUIT BREAKER TO MATCH EXISTING SQ D EQUIPMENT FOR PV SYSTEM.

PR 02

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/27/2020 12:45:21 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
ONE-LINE DIAGRAMS

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
3	PR 02	07.24.19

ISSUE DATE: 08/20/2020

E611

MECHANICAL LEGEND

PIPING

SYMBOL	ABBREV.	DESCRIPTION
FIRE PROTECTION PIPING:		
	F	FIRE SPRINKLER SUPPLY
PLUMBING PIPING:		
	CW	POTABLE COLD WATER
	HW	POTABLE HOT WATER
	HWR	POTABLE HOT WATER RETURN
	TW	POTABLE TEMPERED HOT WATER
	NP	NON-POTABLE COLD WATER
	W	SANITARY WASTE
	V	VENT
	D	DRAIN
FUEL PIPING:		
	G(*)	NATURAL GAS (*=SUPPLY PRESSURE)
HYDRONIC PIPING:		
	CWS	CHILLED WATER SUPPLY
	CWR	CHILLED WATER RETURN
	HS	HEATING WATER SUPPLY
	HR	HEATING WATER RETURN
	CD	CONDENSATE DRAIN
REFRIGERANT PIPING:		
	RL	REFRIGERANT LIQUID
	RS	REFRIGERANT SUCTION
	RHG	REFRIGERANT HOT GAS

SYMBOL	ABBREV.	DESCRIPTION
		PIPING UP
		PIPING DOWN
S=0.01		SLOPE OF PIPE IN DECIMALS OF FEET
		CAPPED PIPE
		PIPE REDUCING FITTING: CONCENTRIC, ECCENTRIC
		DIRECTION OF FLOW
		UNION
		PUMP
	DV	DRAIN VALVE
	BV	BALL VALVE
	BFV	BUTTERFLY VALVE
	CHV	CHECK VALVE
	AV	AUTOMATIC CONTROL VALVE: 2-WAY
	AV	AUTOMATIC CONTROL VALVE: 3-WAY
S	SV	SOLENOID VALVE
	PRV	PRESSURE REGULATING VALVE
		FLEXIBLE PIPE CONNECTION
		WYE STRAINER
SRV	RV	RELIEF VALVE
SRV	SRV	SAFETY RELIEF VALVE (HYDRONIC)
CFR		CONSOLIDATED FITTING RETURN
CFS		CONSOLIDATED FITTING SUPPLY
FS		WATER FLOW SWITCH
MAV		MANUAL AIR VENT
AAV		AUTOMATIC AIR VENT
		THERMOMETER
		PRESSURE GAUGE
		TEST PLUG
F		FLOW INDICATOR
	FMS	FLOW MEASURING STATION
	FD	FLOOR DRAIN
RP		REDUCED PRESSURE BACKFLOW PREVENTER

DUCTWORK

SYMBOL	DESCRIPTION
SA	RECTANGULAR SUPPLY AIR DUCT UP
RA	RECTANGULAR RETURN AIR DUCT UP
EA	RECTANGULAR EXHAUST AIR UP
OSA	RECTANGULAR OUTSIDE AIR UP
	RECTANGULAR SUPPLY AIR DUCT UP
	RECTANGULAR RETURN AIR DN
	RECTANGULAR EXHAUST AIR or OUTSIDE AIR DN
	ROUND DUCTWORK UP
	ROUND DUCTWORK DOWN
	TURN VANE ELBOW
	STANDARD RADIUS ELBOW
	FLEXIBLE DUCT CONNECTION
12"x6"	DUCT SIZE: WIDTH x DEPTH
SD-1 10"x10" 200	DIFFUSER TYPE SIZE - BLOW PATTERN (4-WAY IF NONE SHOWN) AIR VOLUME IN CUBIC FEET per MINUTE (CFM)
RG-1 12"x10" 175	GRILLE TYPE SIZE AIR VOLUME IN CUBIC FEET per MINUTE (CFM)
EG-1 12"x10" 175	GRILLE TYPE SIZE AIR VOLUME IN CUBIC FEET per MINUTE (CFM)
EG-1 8"x4" 100	SIDE WALL DIFFUSER OR GRILLE TYPE SIZE AIR VOLUME IN CUBIC FEET per MINUTE (CFM)
SD-2 48" - 2 - 10"ø 175	SLOT DIFFUSER TYPE LENGTH - # OF SLOTS - INLET SIZE AIR VOLUME IN CUBIC FEET per MINUTE (CFM)
	INTERNALLY LINED OR DOUBLE WALL DUCTWORK
	MANUAL VOLUME DAMPER
S b	DUCT SMOKE DETECTOR
H b	DUCT HEAT DETECTOR
F	FIRE DAMPER
C	COMBINATION FIRE/SMOKE DAMPER: HORIZONTAL BLADE
C1	VERTICAL BLADE
A	AUTOMATIC CONTROL DAMPER
	RECTANGULAR DUCT ANGLED CHANGE IN ELEVATION
	ROUND DUCT ANGLED CHANGE IN ELEVATION
	CONCENTRIC TRANSITION
	ECCENTRIC TRANSITION
	MITERED TEE WITH TURNING VANES
	MITERED ELBOW WITH BRANCH FITTING
	45 DEGREE LATERAL BRANCH, ROUND
	45 DEGREE ENTRY BRANCH, ROUND OR RECTANGULAR
	CONICAL BRANCH, ROUND

GENERAL

SYMBOL	ABBREVIATION	DESCRIPTION
(E)		EXISTING
ø OR dia		DIAMETER
2		NEW TO EXISTING POINT OF CONNECTION NOTE REFERENCE MARKER
1 / A101 ; 1 / M-521	PLAN OR DETAIL NUMBER / SHEET NUMBER	PLAN OR DETAIL REFERENCE MARKER
1 / M-301	SECTION LETTER / SHEET NUMBER	SECTION REFERENCE MARKER W/VIEW DIRECTION
AHU 12	EQUIPMENT TYPE / EQUIPMENT NUMBER	EQUIPMENT MARKER
123		ROOM NUMBER
		NEW WORK SHOWN BOLD
		EXISTING SHOWN LIGHT
		EXISTING TO BE REMOVED
		AREA NOT IN SCOPE OF WORK

CONTROLS

SYMBOL	DESCRIPTION
	PROCESS PIPING SIGNAL
	ELECTRICAL SIGNAL
AHU-1	SPACE SENSOR
H	SPACE HUMIDITY
CO2	SPACE CARBON DIOXIDE SENSOR
CO	SPACE CARBON MONOXIDE SENSOR
T	TEMPERATURE MEASUREMENT
P	PRESSURE MEASUREMENT
H	HUMIDITY MEASUREMENT
F	FLOW MEASUREMENT S = SENSOR T = TRANSMITTER
E	ELECTRICAL CURRENT/POWER
G CO	GAS CONNECTION CO2 CO
S C	RELAY OR SWITCH C = ELECTRIC CURRENT DP = DIFFERENTIAL PRESSURE FP = FREEZE PROTECTION M = MANUAL HP = HIGH PRESSURE LP = LOW PRESSURE
A	ACTUATOR - ELECTRIC

SYMBOL	DESCRIPTION
A	AUTOMATIC CONTROL DAMPER
FS	FLOW SWITCH
ES	EMERGENCY STOP SWITCH
AI ALARM	BAS INPUT/OUTPUT POINT AI = ANALOG INPUT AO = ANALOG OUTPUT C = COMMUNICATION DI = DIGITAL INPUT DO = DIGITAL OUTPUT FUNCTION DESIGNATION S/S = START/STOP
CWP-2	MOTOR STARTER (W/EQUIPMENT INDICATED UNDERLINE)
VFD / CWP-2	EQUIPMENT CONTROL PANEL (W/EQUIP. INDICATED UNDERLINED) BCP = BOILER CONTROL PANEL CP = CONTROL PANEL VFD = VARIABLE FREQUENCY DRIVE CCP = CHILLER CONTROL PANEL

GENERAL NOTES

1. THE CLINIC PORTION OF THE FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE ALL SHUTDOWNS AND CONSTRUCTION ACTIVITY WITH FACILITIES STAFF.
2. SIZE AND LOCATION OF ALL PIPING AND OTHER MECHANICAL EQUIPMENT IS APPROXIMATE. CONTRACTOR SHALL SITE VERIFY THE LOCATION OF EXISTING PIPING AND EQUIPMENT AND CONSTRUCT WORK FROM FIELD DIMENSIONS. CONTRACTOR SHALL MAKE ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.
3. FINE (LIGHT) LINE WORK INDICATES EXISTING PIPING AND OTHER MECHANICAL EQUIPMENT. BOLD (HEAVY) LINE WORK INDICATES NEW PIPING AND OTHER MECHANICAL EQUIPMENT.
4. IT IS RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CUTTING AND PATCHING TO ALLOW THE INSTALLATION OF MATERIALS AND EQUIPMENT AS SPECIFIED AND SHOWN ON DRAWINGS.

ABBREVIATIONS

ACH	AIR CHANGES PER HOUR	IN	INCHES
AFF	ABOVE FINISHED FLOOR	IN WC	INCHES WATER COLUMN
AFS	AUTOMATIC FIRE SPRINKLER	IPLV	INTEGRATED PART LOAD VALUE
AL	ALUMINUM	IW	INDIRECT WASTE
ALT	ALTERNATE	LAT	LEAVING AIR TEMPERATURE
APD	AIR PRESSURE DROP	LBS	POUNDS
BAS	BUILDING AUTOMATION SYSTEM	LWT	LEAVING WATER TEMPERATURE
BHP	BRAKE HORSEPOWER	Ma	MILLIAMPERE
BOD	BOTTOM OF DUCT	MAX	MAXIMUM
BTUH	BRITISH THERMAL UNITS PER HOUR	MBH	THOUSAND BTUs per HOUR
CFH	CUBIC FEET per HOUR	MCA	MINIMUM CIRCUIT AMPS
CFM	CUBIC FEET per MINUTE	MFGR	MANUFACTURER
CMU	CONCRETE MASONRY UNIT	MIN	MINIMUM
CONC	CONCRETE	MOP	MAX. OVERCURRENT PROTECTION
CONT	CONTINUATION	NC	NOISE CRITERIA
DB	DRY BULB	NC	NORMALLY CLOSED
Dba	DECIBELS ACOUSTIC	NIC	NOT IN CONTRACT
DN	DOWN	NO	NORMALLY OPEN
DP	DIFFERENTIAL PRESSURE	NPLV	NON-STANDARD PART LOAD VALUE
EAT	ENTERING AIR TEMPERATURE	NPSH	NET POSITIVE SUCTION HEAD
EER	ENERGY EFFICIENCY RATIO	OFCI	OWNER FURNISHED/ CONTRACTOR INSTALLED
EFF	EFFICIENCY	PD	PRESSURE DROP
ESP	EXTERNAL STATIC PRESSURE	PH	PHASE
EWT	ENTERING WATER TEMPERATURE	PPH	POUNDS per HOUR
FLA	FULL LOAD AMPS	PSI	POUNDS per SQUARE INCH GAUGE
FPM	FEET PER MINUTE	REQD	REQUIRED
FT	FEET	RF	RETURN FAN
FT WC	FEET WATER COLUMN	RH	RELATIVE HUMIDITY
FUT	FUTURE	RPM	REVOLUTIONS per MINUTE
GPH	GALLONS PER HOUR	SEER	SEASONAL ENERGY EFFICIENCY RATIO
GPM	GALLONS PER MINUTE	SF	SUPPLY FAN
GYP BD	GYPSUM WALL BOARD	SS	STAINLESS STEEL
HP	HORSEPOWER	STL	STEEL
HSPF	HEATING SEASONAL PERFORMANCE FACTOR	TSP	TOTAL STATIC PRESSURE
HVAC	HEATING, VENTILATING, & AIR CONDITIONING	TYP	TYPICAL
		VFD	VARIABLE FREQUENCY DRIVE
HZ	HERTZ (CYCLES PER SECOND)	WB	WET BULB
IAQ	INDOOR AIR QUALITY	WC	WATER COLUMN
IE	INVERT ELEVATION	WG	WATER GAUGE

SHEET INDEX - MECHANICAL

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:07:51 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
20 AUGUST 2020

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

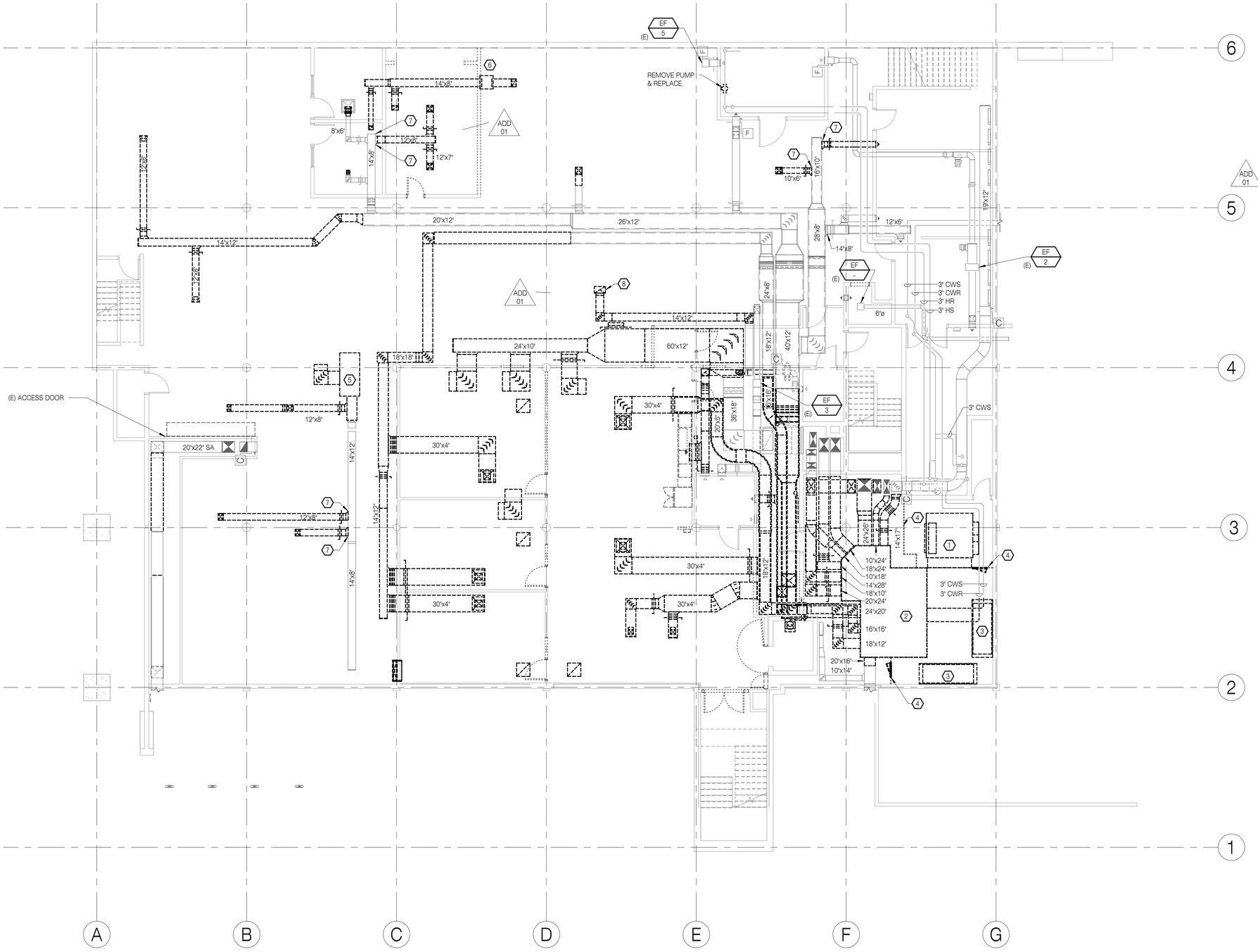
SHEET TITLE:
LEGEND, GENERAL NOTES, & MECHANICAL SHEET INDEX

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

M001



SHEET NOTES:

1. REMOVAL OF EQUIPMENT, PIPING, & VALVES INCLUDES ASSOCIATED HANGERS, SUPPORTS, AND APPURTENANCES.
2. SALVAGE DEMOLISHED DUCTWORK WERE APPLICABLE FOR RE-USE. SEE NEW AIR DISTRIBUTION PLANS FOR APPLICABLE LOCATIONS.

REFERENCE NOTES:

1. REMOVE MULTIZONE SUPPLY FAN. REMOVE ASSOCIATED CONTROLS.
2. REMOVE MULTIZONE HEATING COIL AND COOLING COIL. REMOVE ASSOCIATED PIPING.
3. REMOVE PREVIOUSLY DECOMMISSIONED 40 TON CHILLER.
4. REMOVE EXISTING SHEET METAL PARTITIONS AND DOORS FROM MECHANICAL ROOM.
5. REMOVE AC UNIT. REMOVE ASSOCIATED CONTROLS.
6. REMOVE RETURN FAN. REMOVE ASSOCIATED CONTROLS.
7. CAP AND SEAL AIRTIGHT DUCTWORK TO REMAIN.
8. REMOVE EXISTING EXHAUST DUCTWORK BACK TO EXISTING FIRE DAMPER LOCATED IN FIRST FLOOR SLAB AND TEMPORARILY CAP. NEW EXHAUST DUCTWORK WILL RE-CONNECT TO EXISTING EXHAUST RISER. FOR NEW DUCTWORK SEE 1/M121. RELOCATE FIRE DAMPER ACCESS TO FIRST FLOOR SIDE OF DAMPER. SEE 1/M122 FOR NEW FIRE DAMPER ACCESS LOCATION.

ADD 01

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:07:57 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanarTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

NORTH

1 MECHANICAL DEMOLITON - LOWER LEVEL
1/8" = 1'-0"

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

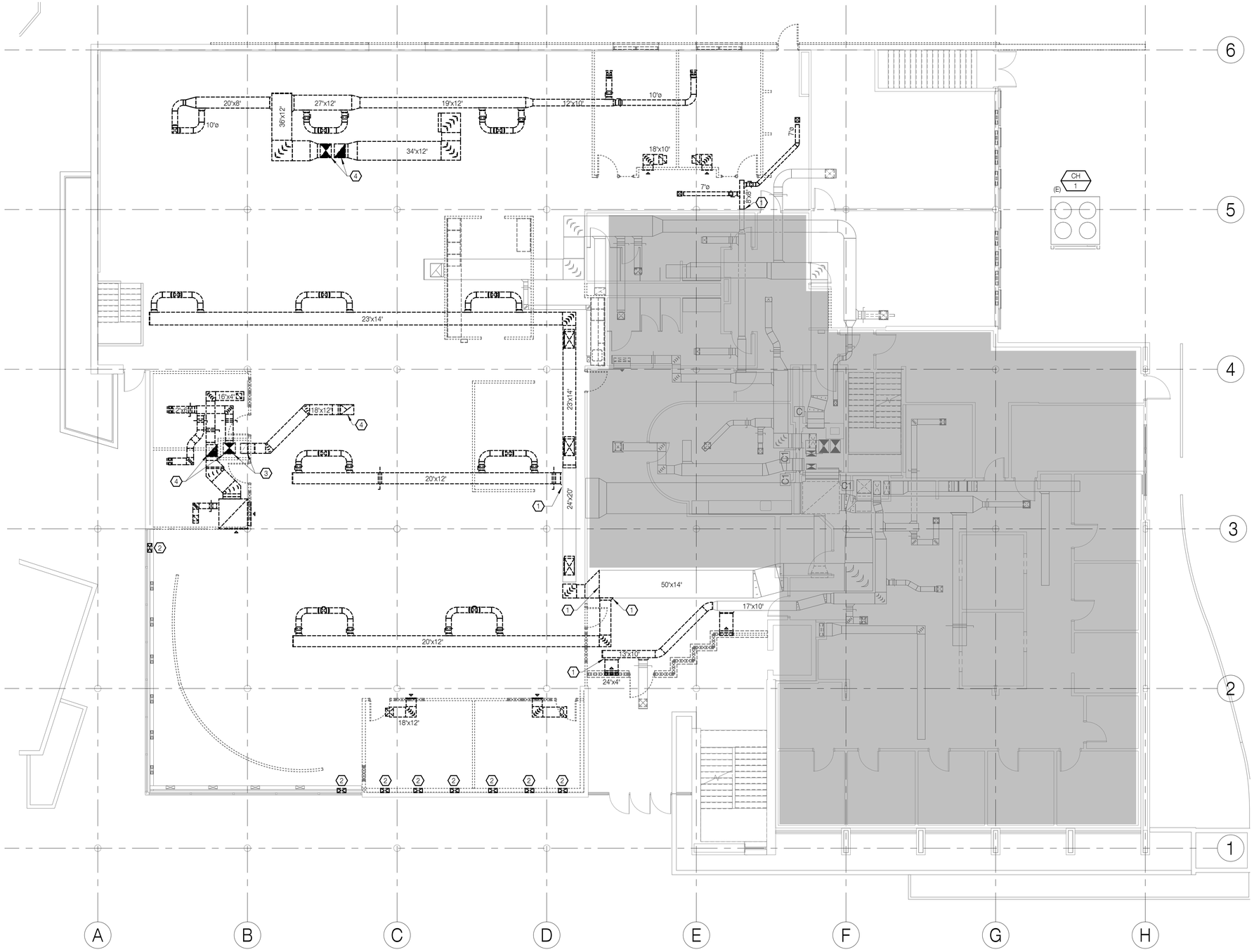
SHEET TITLE:
MECHANICAL DEMOLITION - LOWER LEVEL

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M101



SHEET NOTES:

1. REMOVAL OF EQUIPMENT, PIPING, & VALVES INCLUDES ASSOCIATED HANGERS, SUPPORTS, AND APPURTENANCES.
2. SALVAGE DEMOLISHED DUCTWORK WHERE APPLICABLE FOR RE-USE. SEE NEW AIR DISTRIBUTION PLANS FOR APPLICABLE LOCATIONS.

REFERENCE NOTES:

1. CAP/PATCH AND SEAL AIRTIGHT DUCTWORK TO REMAIN.
2. REMOVE GRILLE.
3. DISCONNECT EXISTING DUCTWORK AT TOP OF CHASE. DUCTWORK DOWN THROUGH CHASE TO REMAIN FOR RECONNECTION, SEE 1/M121 & 1/M122 FOR NEW CONNECTIONS.
4. REMOVE DUCTWORK UP THROUGH ROOF.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE- AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:08:03 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

NORTH

1 MECHANICAL DEMOLITON - FIRST FLOOR
1/8" = 1'-0"

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

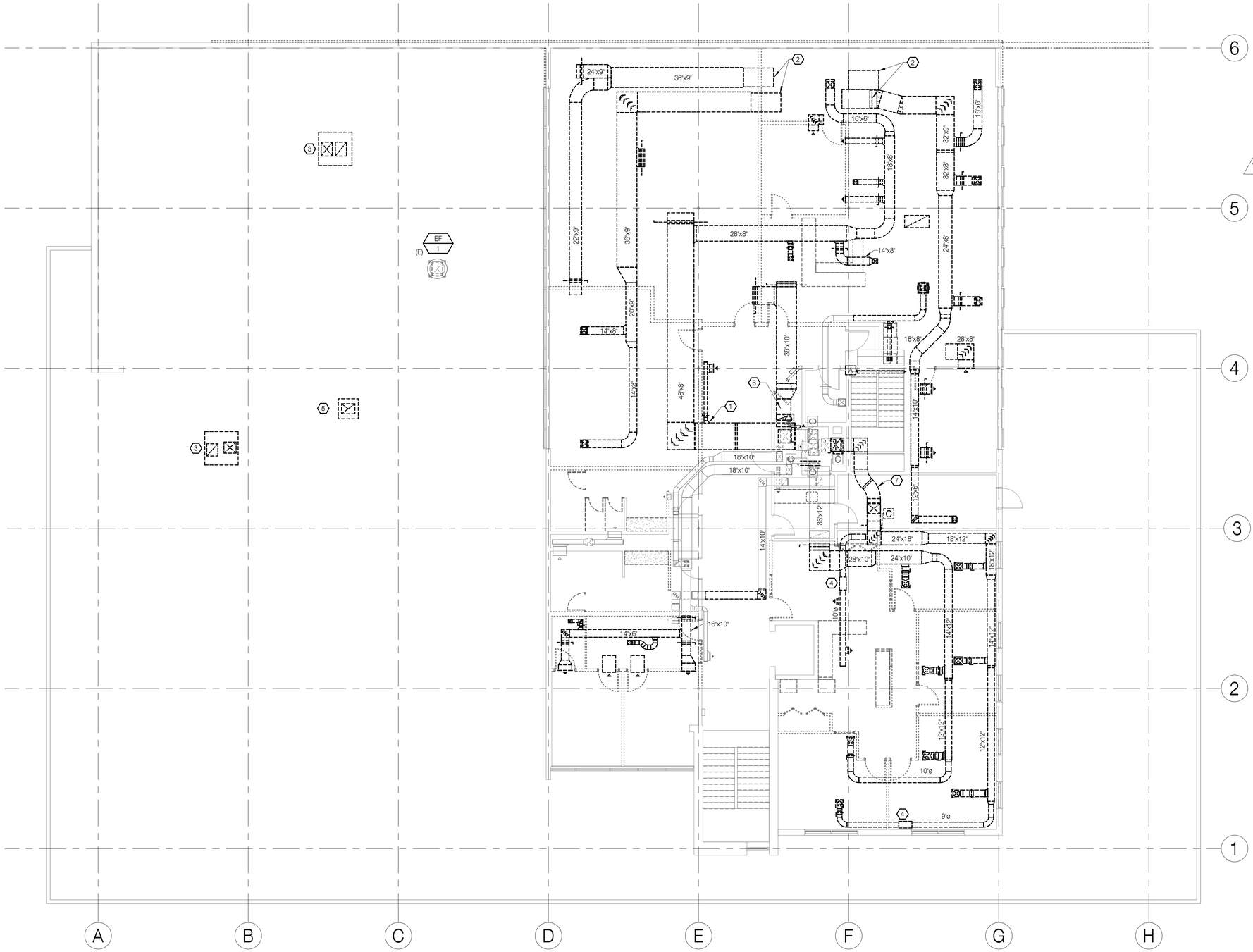
SHEET TITLE:
MECHANICAL DEMOLITION - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

M102



SHEET NOTES:

1. REMOVAL OF EQUIPMENT, PIPING, & VALVES INCLUDES ASSOCIATED HANGERS, SUPPORTS, AND APPURTENANCES.
2. SALVAGE DEMOLISHED DUCTWORK WERE APPLICABLE FOR RE-USE. SEE NEW AIR DISTRIBUTION PLANS FOR APPLICABLE LOCATIONS.

REFERENCE NOTES:

1. CAP/PATCH AND SEAL AIRTIGHT DUCTWORK TO REMAIN.
2. REMOVE SOUND TRAPS. REMOVE DUCTWORK UP THROUGH ROOF.
3. REMOVE HEAT PUMP UNIT. REMOVE ASSOCIATED CONTROLS, CONTROL WIRING, AND CURB.
4. REMOVE ELECTRIC DUCT HEATER.
5. REMOVE OSA INLET AND CURB.
6. REMOVE EXISTING DUCTWORK BACK THROUGH EXISTING MECHANICAL SHAFT. REMOVE EXISTING COMBO DAMPER. OPENING WILL BE ENLARGED AND RE-USED FOR NEW RETURN DUCTWORK.
7. EXISTING SUPPLY DUCTWORK LOCATED IN MECHANICAL PENTHOUSE.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

NORTH

1 MECHANICAL DEMOLITON - SECOND FLOOR
1/8" = 1'-0"

PRINTED ON: 8/21/2020 3:08:07 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

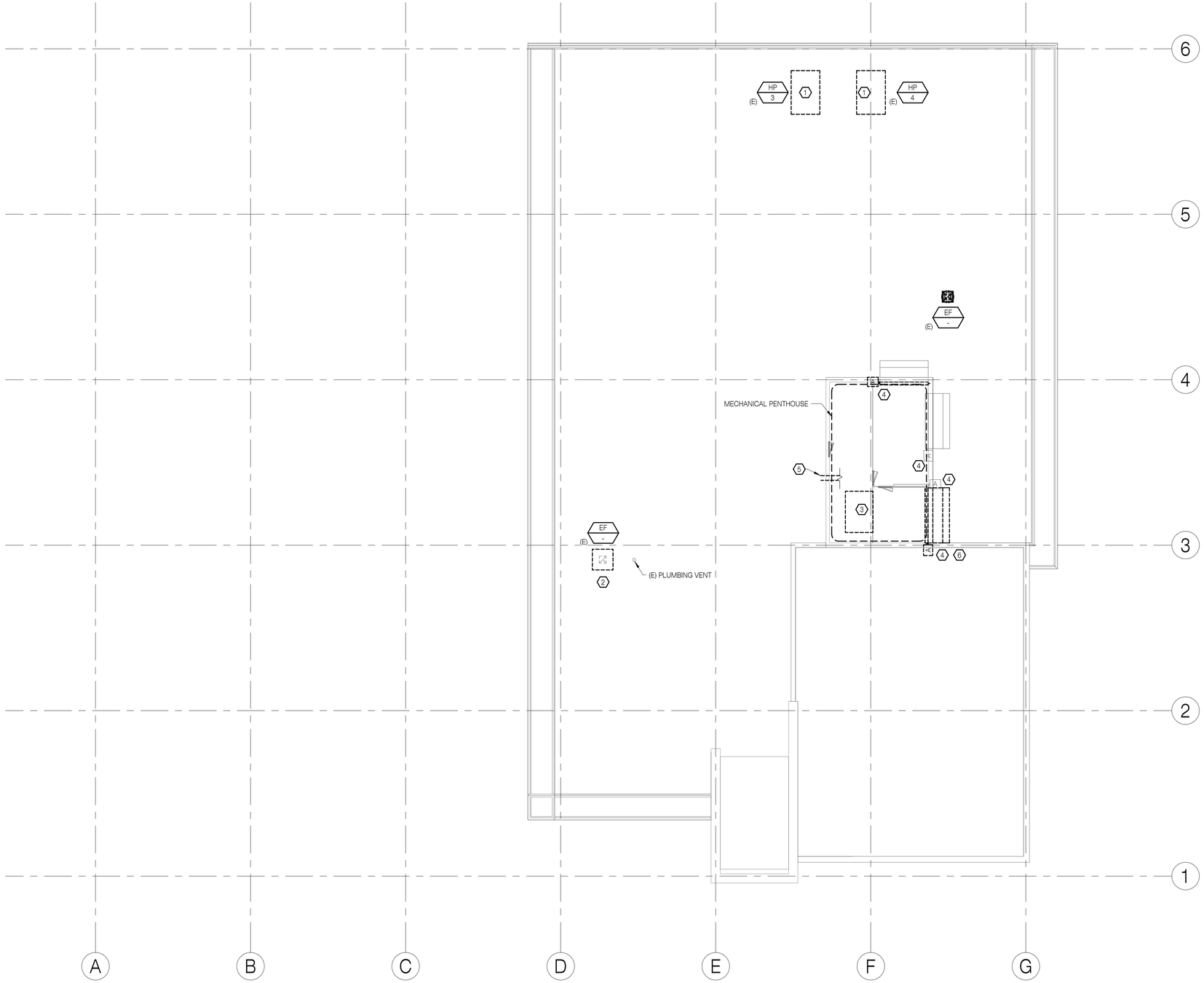
SHEET TITLE:
MECHANICAL DEMOLITION - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M103



1 MECHANICAL DEMOLITION - ROOF PLAN
1/8" = 1'-0"

NORTH

PRINTED ON: 8/21/2020 3:08:10 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

SHEET NOTES:

1. REMOVAL OF EQUIPMENT, PIPING, & VALVES INCLUDES ASSOCIATED HANGERS, SUPPORTS, AND APPURTENANCES.
2. SALVAGE DEMOLISHED DUCTWORK WERE APPLICABLE FOR RE-USE. SEE NEW AIR DISTRIBUTION PLANS FOR APPLICABLE LOCATIONS.

REFERENCE NOTES:

ADD 01

1. REMOVE HEAT PUMP. REMOVE ASSOCIATED CONTROLS, CONTROL WIRING AND CURB.
2. REMOVE EXHAUST FAN. REMOVE ASSOCIATED CONTROLS, CONTROL WIRING, AND CURB. TEMPORARILY CAP EXISTING DUCTWORK FOR RECONNECTION TO NEW FAN. SEE 1/M124 FOR MORE DETAIL.
3. REMOVE RETURN FAN FROM TOP OF MECHANICAL SHAFT. REMOVE ASSOCIATED CONTROL AND CONTROL WIRING. REMOVE EXTERIOR RELIEF LOUVER FOR REMOVAL OF FAN. SALVAGE LOUVER FOR RE-INSTALLATION AFTER NEW RETURN FANS INSTALLED.
4. REMOVE EXISTING OUTSIDE AIR, RETURN AND RELIEF DAMPER ACTUATORS.
5. REMOVE ABANDONED CONDENSER WATER PIPING BACK TO WITHIN EXISTING MECHANICAL SHAFT. SEQUENCE REMOVAL TIMING TO FACILITATE INSTALLATION OF AHU-3 TEMPORARY CLINIC HVAC AND NEW WORK. CAP PIPE TO REMAIN IN SHAFT.
6. TEMPORARILY REMOVE EXISTING RELIEF DAMPER AND WEATHER HOOD FOR REMOVAL OF EXISTING FAN AND INSTALLATION OF NEW RETURN FAN.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

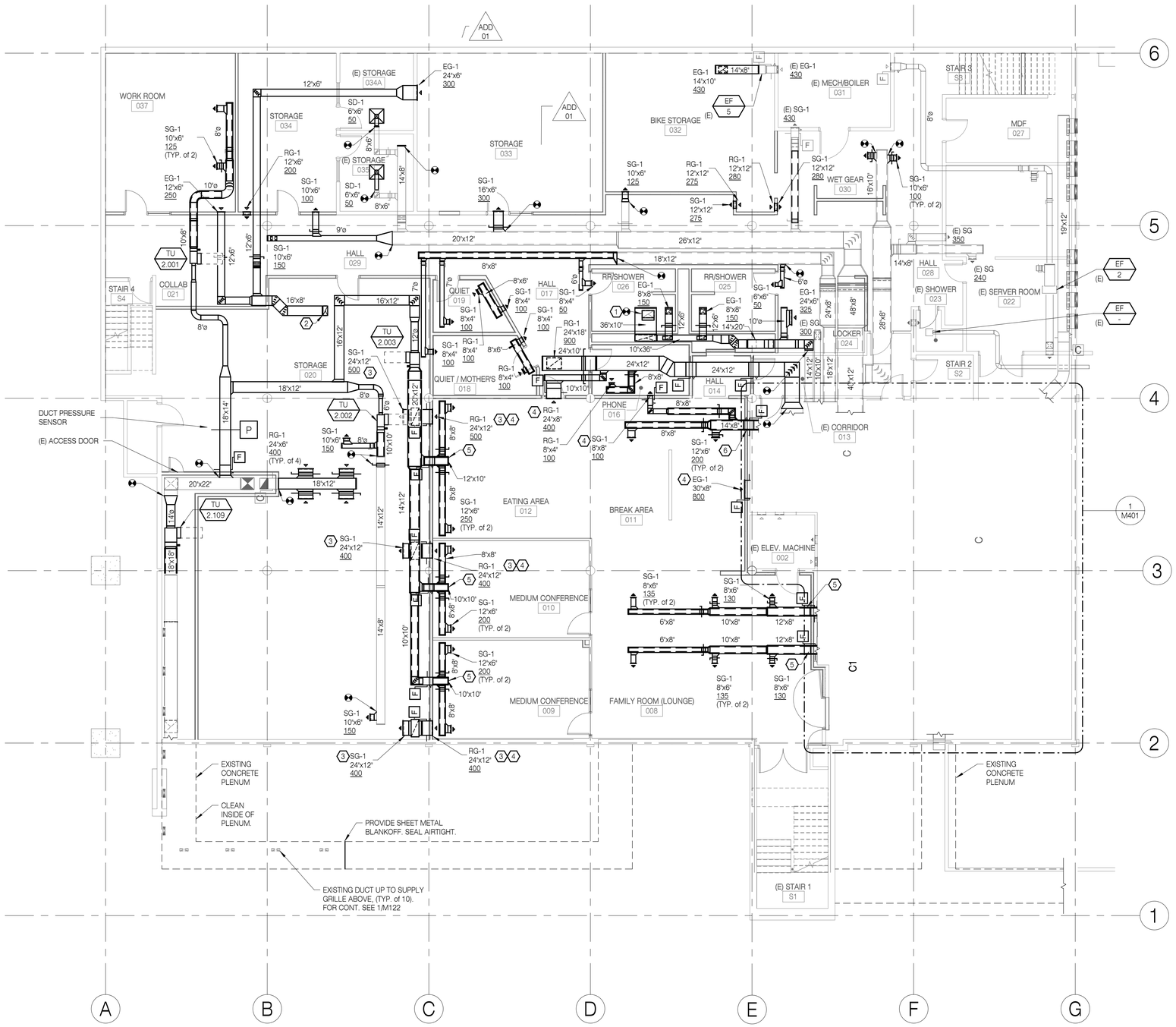
SHEET TITLE:
MECHANICAL DEMOLITION - ROOF PLAN

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M104



1 AIR DISTRIBITION - LOWER LEVEL
1/8" = 1'-0"

NORTH

SHEET NOTES:

1. FOR DIFFUSER, GRILLE, AND REGISTER CONNECTION DETAILS SEE 1/M521.
2. FOR ROUND DUCT CONSTRUCTION DETAILS SEE 2/M521.
3. FOR RECTANGULAR DUCT CONSTRUCTION DETAILS SEE 3/M521.
4. FOR TERMINAL UNIT DETAILS SEE 4/M521.
5. FOR SPACE SENSORS AND HVAC ZONING SEE 1/M701.
6. RE-USE EXISTING DUCTWORK WERE APPLICABLE.

REFERENCE NOTES:

ADD 01

1. 20"x12" EA UP TO FLOOR ABOVE. FOR CONT. SEE 1/M122.
2. 16"x8" EA UP TO FLOOR ABOVE. FOR CONT. SEE 1/M122.
3. PROVIDE TRANSFER DUCT ASSEMBLY CONTAINING THE FOLLOWING: LOW WALL RETURN GRILLE WITH BOTTOM APPROXIMATELY 12" A.F.F., FIRE DAMPER, 26"x10" LINED VERTICAL DUCT, AND SUPPLY GRILLE LOCATED AS HIGH AS POSSIBLE IN STORAGE ROOM. LOCATE VERTICAL DUCT TIGHT TO WEST WALL.
4. FIRE DAMPER ACCESS THROUGH GRILLE.
5. PROVIDE FIRE DAMPER ACCESS ON BOTTOM SIDE OF DUCT BRANCH.
6. FIRE DAMPER ACCESS LOCATED IN MECHANICAL ROOM. FOR CONT. SEE 1/M401.

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
AIR DISTRIBUTION - LOWER LEVEL

REVISIONS:

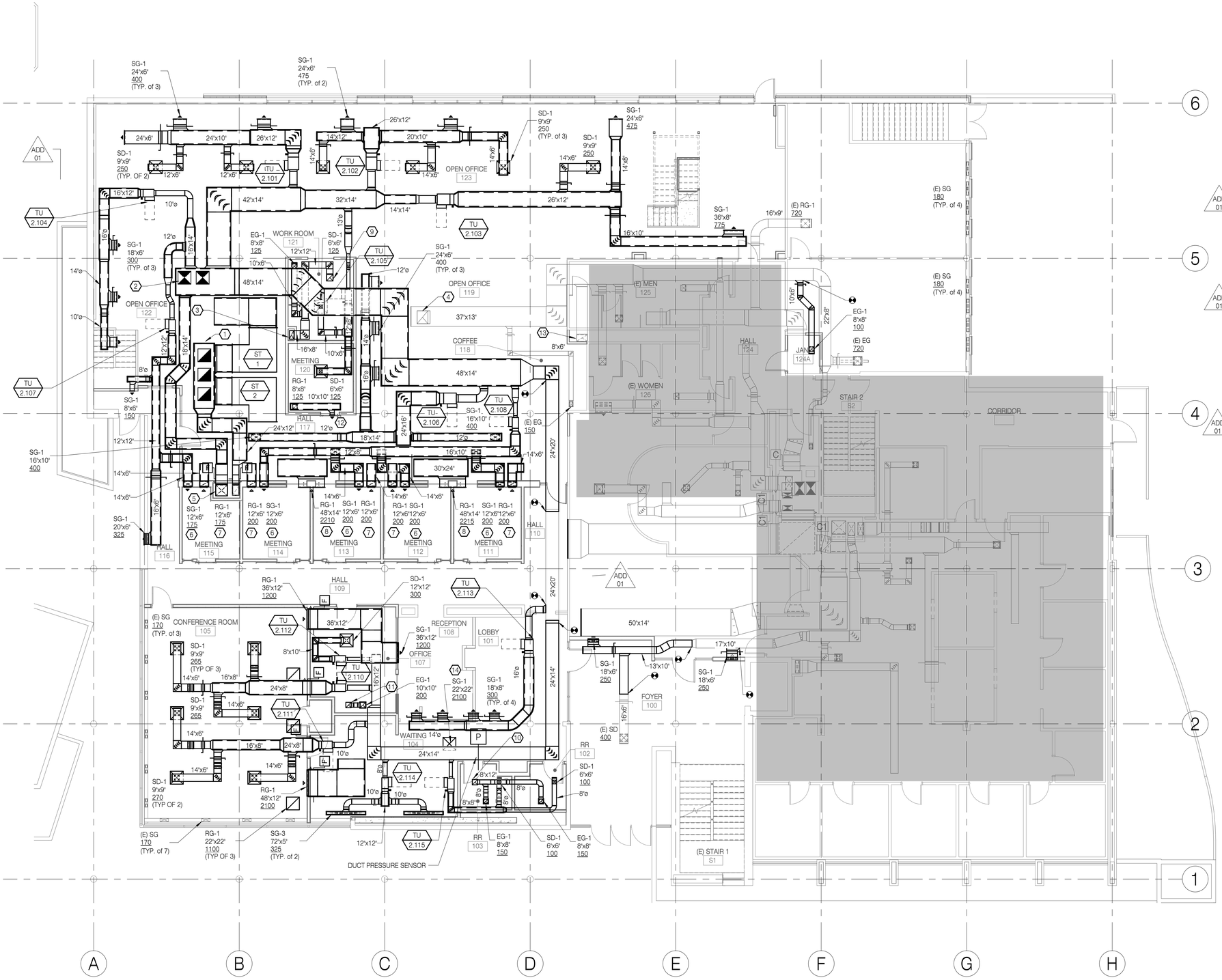
#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M121

PRINTED ON: 8/21/2020 3:08:18 PM FROM FILE: C:\Users\sh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



SHEET NOTES:

1. FOR DIFFUSER, GRILLE, AND REGISTER CONNECTION DETAILS SEE 1/M521.
2. FOR ROUND DUCT CONSTRUCTION DETAILS SEE 2/M521.
3. FOR RECTANGULAR DUCT CONSTRUCTION DETAILS SEE 3/M521.
4. FOR TERMINAL UNIT DETAILS SEE 4/M521.
5. FOR SPACE SENSORS AND HVAC ZONING SEE 1/M702.
6. RE-USE EXISTING DUCTWORK WERE APPLICABLE.

REFERENCE NOTES:

1. PROVIDE 36'x24'x120' LINED RETURN AIR PLENUM. PROVIDE THREE 24'x24' RETURN AIR DUCTS UP THROUGH ROOF TO AHU-2 ABOVE.
2. PROVIDE 48'x24'x108' LINED SUPPLY AIR PLENUM. PROVIDE TWO 24'x24' SUPPLY AIR DUCTS UP THROUGH ROOF TO AHU-2 ABOVE.
3. 16'x8" EA DN. TO FLOOR BELOW. FOR CONT. SEE 1/M121.
4. 24'x20" UP TO (E) EF-1 ON ROOF ABOVE.
5. (E) 22'x20" SA & (E) 12'x18" RA DN. TO FLOOR BELOW. FOR CONT. SEE 1/M121. PROVIDE NEW CONNECTIONS TO EXISTING DUCTWORK AT TOP OF CHASE.
6. BOTTOM OF SUPPLY GRILLE APPROXIMATELY 7'-8" A.F.F. COORDINATE FINAL ELEVATION WITH ARCHITECT.
7. BOTTOM OF RETURN GRILLE APPROXIMATELY 0'-6" A.F.F. COORDINATE ELEVATION WITH ARCHITECT.
8. BOTTOM OF RETURN GRILLE APPROXIMATELY 9'-6" A.F.F. COORDINATE FINAL ELEVATION WITH ARCHITECT.
9. 12"x12" EA UP TO EF-10 ON ROOF ABOVE. FOR CONT. SEE 1/M123.
10. 12"x12" EA UP TO EF-6 ON ROOF ABOVE. FOR CONT. SEE 1/M123.
11. 10"x10" EA UP TO EF-7 ON ROOF ABOVE. FOR CONT. SEE 1/M123.
12. 8"x8" SG-1, 125 CFM.
13. PROVIDE NEW DUCT ACCESS DOOR FOR EXISTING FIRE DAMPER LOCATED IN FIRST FLOOR SLAB. SEE ARCHITECTURAL FOR NEW ACCESS DOOR LOCATION IN EAST WALL OF PLUMBING CHASE.
14. PROVIDE SUPPLY GRILLE IN CEILING TO ALLOW RETURN AIR FROM LARGE CONFERENCE ROOM TO TRANSFER THROUGH CEILING IN WAITING AREA.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE- AUGUST 20, 2020

NORTH

1 AIR DISTRIBUTION - FIRST FLOOR
1/8" = 1'-0"

PRINTED ON: 8/21/2020 3:08:28 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
AIR DISTRIBUTION - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M122

1 AIR DISTRIBUTION - SECOND FLOOR
1/8" = 1'-0"

SHEET NOTES:

1. FOR DIFFUSER, GRILLE, AND REGISTER CONNECTION DETAILS SEE 1/M521.
2. FOR ROUND DUCT CONSTRUCTION DETAILS SEE 2/M521.
3. FOR RECTANGULAR DUCT CONSTRUCTION DETAILS SEE 3/M521.
4. FOR TERMINAL UNIT DETAILS SEE 4/M521.
5. FOR SPACE SENSORS AND HVAC ZONING SEE 1/M703.
6. RE-USE EXISTING DUCTWORK WERE APPLICABLE.

REFERENCE NOTES:

1. MAIN RETURN FOR ZONES 1.201 THROUGH 1.204.
2. MAIN RETURN FOR ZONE 1.207.
3. MAIN RETURN FOR ZONE 1.208.
4. PROVIDE RATED ENCLOSURE AROUND DUCTWORK ABOVE STAIR S2-1.
5. SUPPLY DUCTWORK CONT. THROUGH MECHANICAL PENTHOUSE. FOR CONT. SEE 1/M124.
6. PROVIDE TRANSFER DUCT ASSEMBLY CONTAINING THE FOLLOWING: LOW WALL RETURN GRILLE WITH BOTTOM OF GRILLE APPROXIMATELY 6" A.F.F., 20"x14" LINED VERTICAL DUCT, AND SUPPLY GRILLE ON HALLWAY SIDE LOCATED NEAR ROOF STRUCTURE.
7. PROVIDE RETURN GRILLE IN BOTTOM OF SOFFIT TO ALLOW RETURN AIR TO TRANSFER THROUGH TRANSFER ASSEMBLY ABOVE COFFEE NOOK.
8. 20"x8" LINED DUCT OPEN ABOVE CEILING. PROVIDE RETURN GRILLE IN CEILING FOR RETURN AIR PATHWAY.
9. 10"x10" EA UP TO EF-9 ON ROOF ABOVE. FOR CONT. SEE 1/M124.
10. TWO (E) 24"x18" SA DUCTS UP FROM BASEMENT. AT THE BOTTOM OF THE SECOND FLOOR PROVIDE NEW 40"x24" SA DUCT AND PROVIDE NEW TO EXSITNG CONNECTION TO THE TWO EXISTING 24"x18" SA DUCTS. NEW 40"x24" SA DUCT CONTIUES UP THROUGH 12"x36" SA TAKEOFF ABOVE STAIRWAY. AFTER TAKEOFF PROVIDE 20"x14" SA UP TO MECHANICAL PENTHOUSE ABOVE. FOR CONT. SEE 1/M124.
11. (E) 18"x10" SA ON TOP. PROVIDE NEW 24"x30" LINED RA ON BOTTOM. PROVIDE COMBO DAMPER AT MECHANICAL SHAFT WALL.
12. PROVIDE 36"x26"x106" LINED RA PLENUM. AT BOTTOM PROVIDE OPPOSED BLADE DAMPER ON 24"x30" RA DUCT BETWEEN PLENUM CONNECTION COMBO DAMPER. AT THE TOP PROVIDE BALANCING DAMPER ON EACH RETURN GRILLE CONNECTION.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE EUGENE OR 97401

SHEET TITLE:
AIR DISTRIBUTION - SECOND FLOOR

REVISIONS:

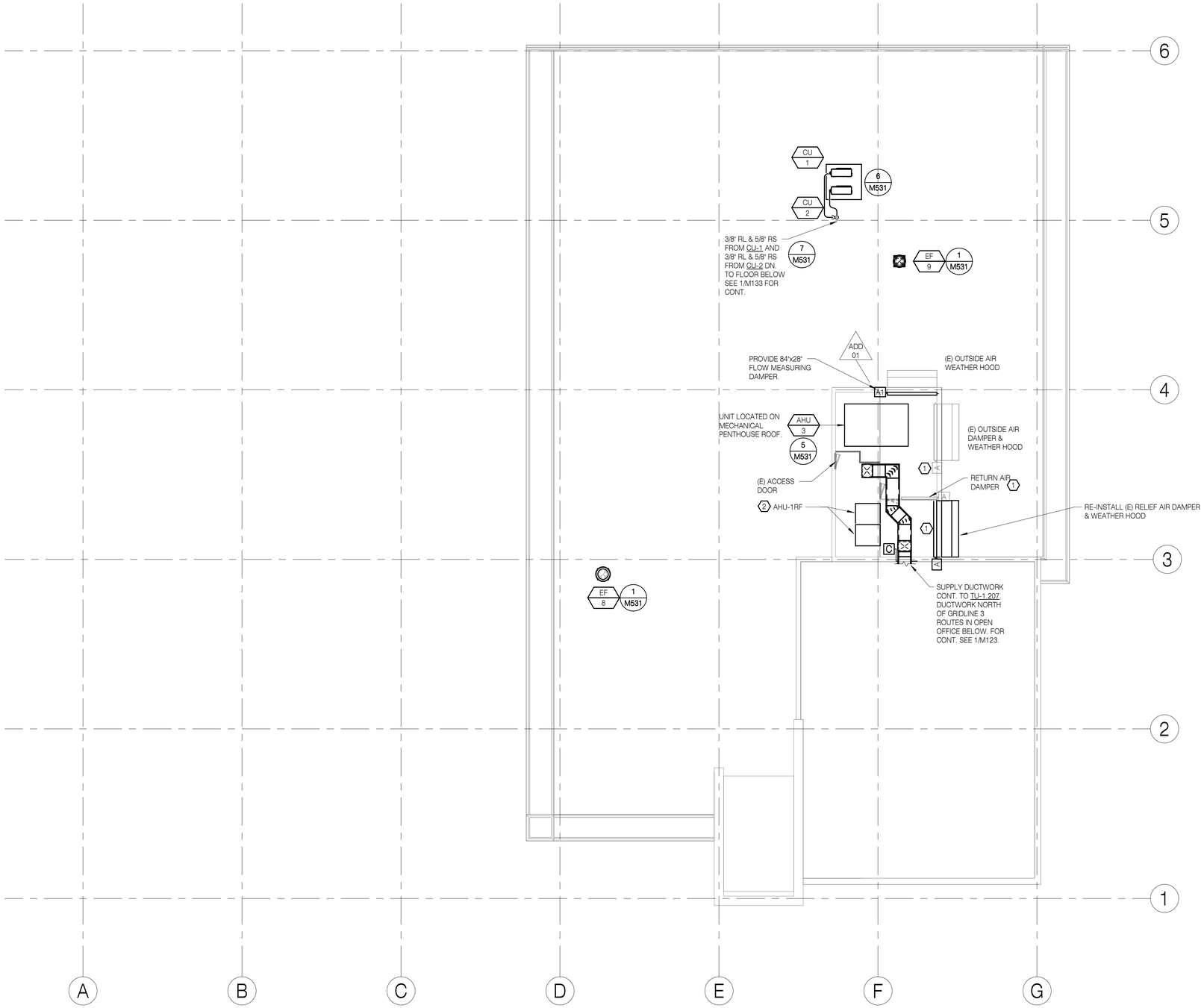
#	DESCRP.	DATE
1	ADD 01	05.17.19
6	RFI 14	08.14.19

ISSUE DATE: 08/20/2020

M123

PRINTED ON: 8/21/2020 3:08:36 PM FROM FILE: C:\Users\ish\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_jhanan1340T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



1 AIR DISTRIBUTION - ROOF PLAN
1/8" = 1'-0"

SHEET NOTES:

1. FOR RECTANGULAR DUCT CONSTRUCTION DETAILS SEE 3/M521.

REFERENCE NOTES:

1. PROVIDE REPLACEMENT ACTUATORS ON EXISTING DAMPERS.
2. CONSTRUCT PLENUM WALLS AND SUPPORT STRUCTURE FOR REPLACEMENT RETURN FAN ARRAY.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
AIR DISTRIBUTION - ROOF PLAN

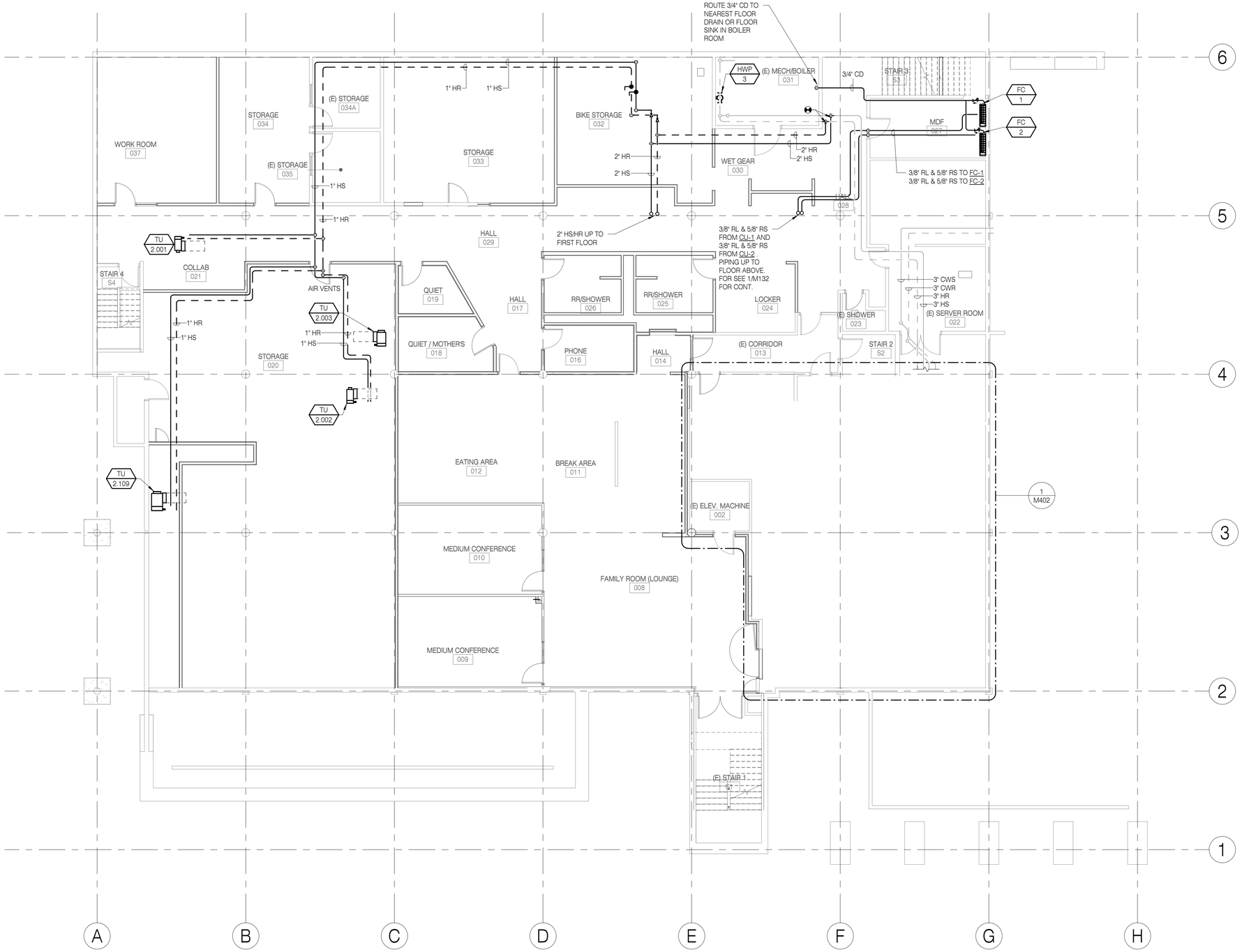
REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M124

PRINTED ON: 8/21/2020 3:08:39 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt
SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED



NORTH

1 MECHANICAL PIPING - LOWER LEVEL
1/8" = 1'-0"

SHEET NOTES:

1. TERMINAL UNIT COIL CONNECTION DETAIL SEE 2/M531.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
MECHANICAL PIPING - LOWER LEVEL

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

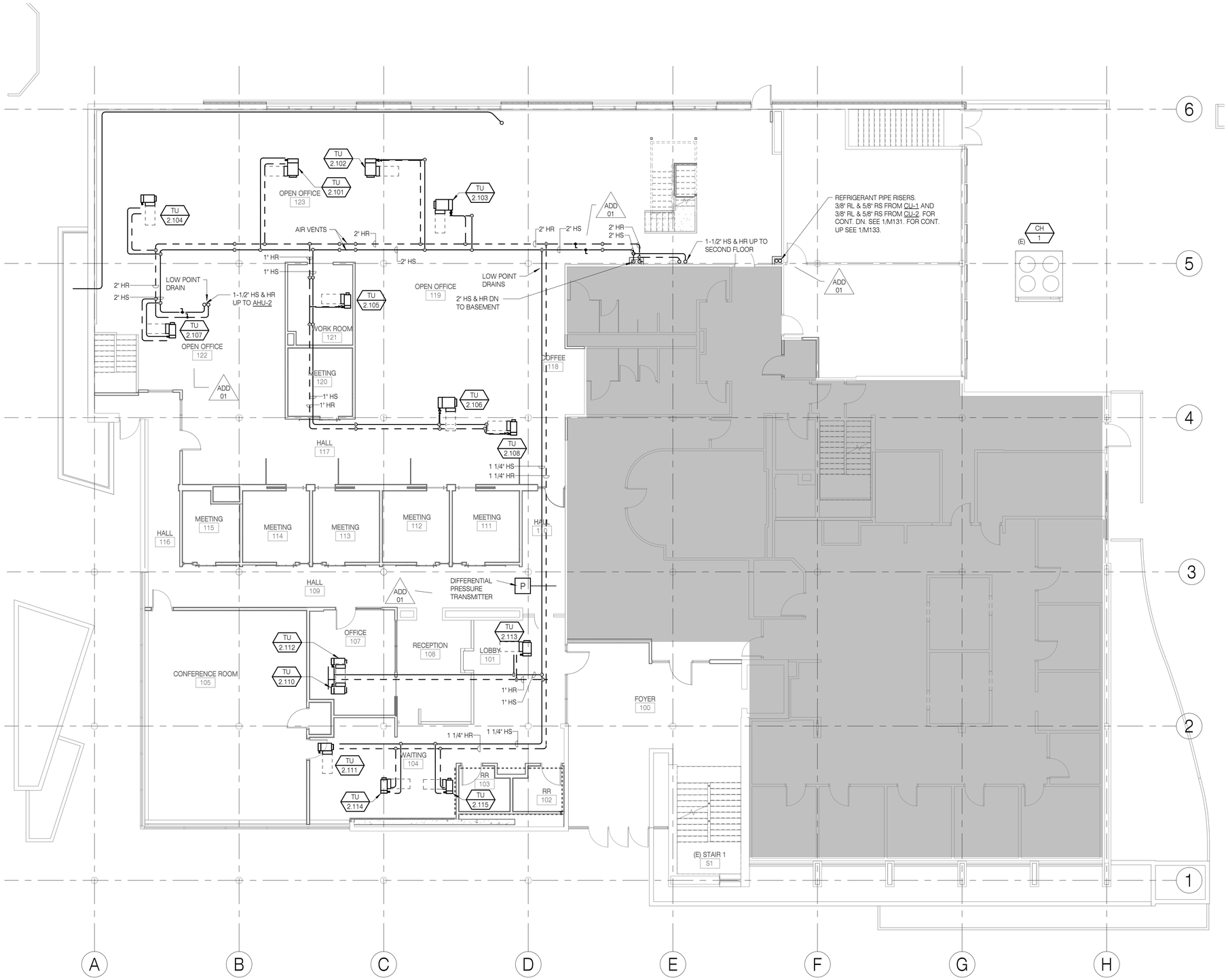
M131

PRINTED ON: 8/21/2020 3:08:44 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_jhanamTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

SHEET NOTES:

1. TERMINAL UNIT COIL CONNECTION DETAIL SEE 2/M531.



NORTH

1 MECHANICAL PIPING - FIRST FLOOR
1/8" = 1'-0"

PRINTED ON: 8/21/2020 3:08:50 PM FROM FILE: C:\Users\sh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.I40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
MECHANICAL PIPING - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M132

NORTH

1 MECHANICAL PIPING - SECOND FLOOR
1/8" = 1'-0"

SHEET NOTES:

1. TERMINAL UNIT COIL CONNECTION DETAIL SEE 2/M531.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:08:54 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

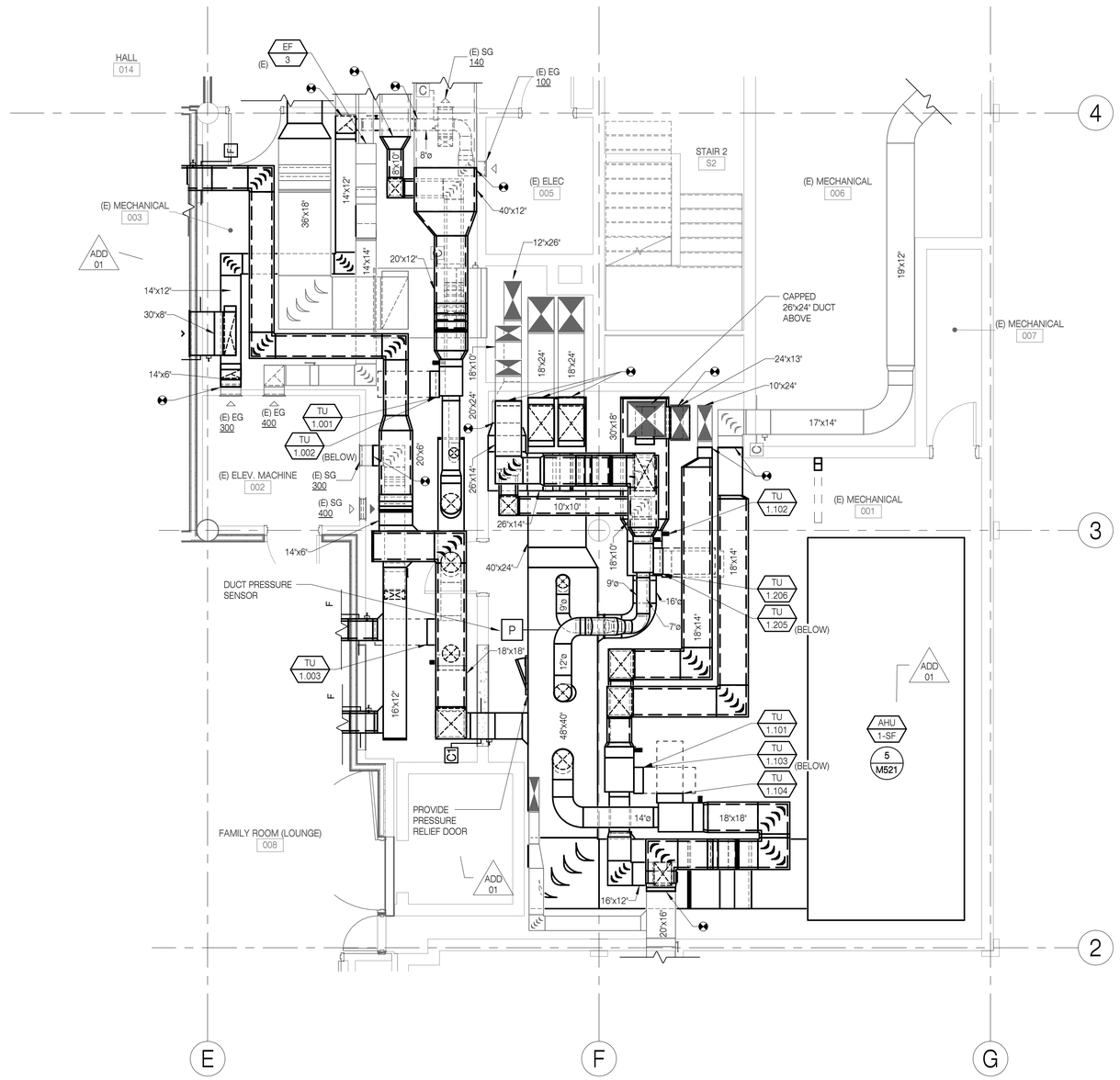
SHEET TITLE:
MECHANICAL PIPING - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
11	PR 06	12.03.19

ISSUE DATE: 08/20/2020

M133



NORTH

1 AIR DISTRIBUTION - ENLARGED MECHANICAL ROOM
1/4" = 1'-0"

PRINTED ON: 8/21/2020 3:08:58 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanarTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

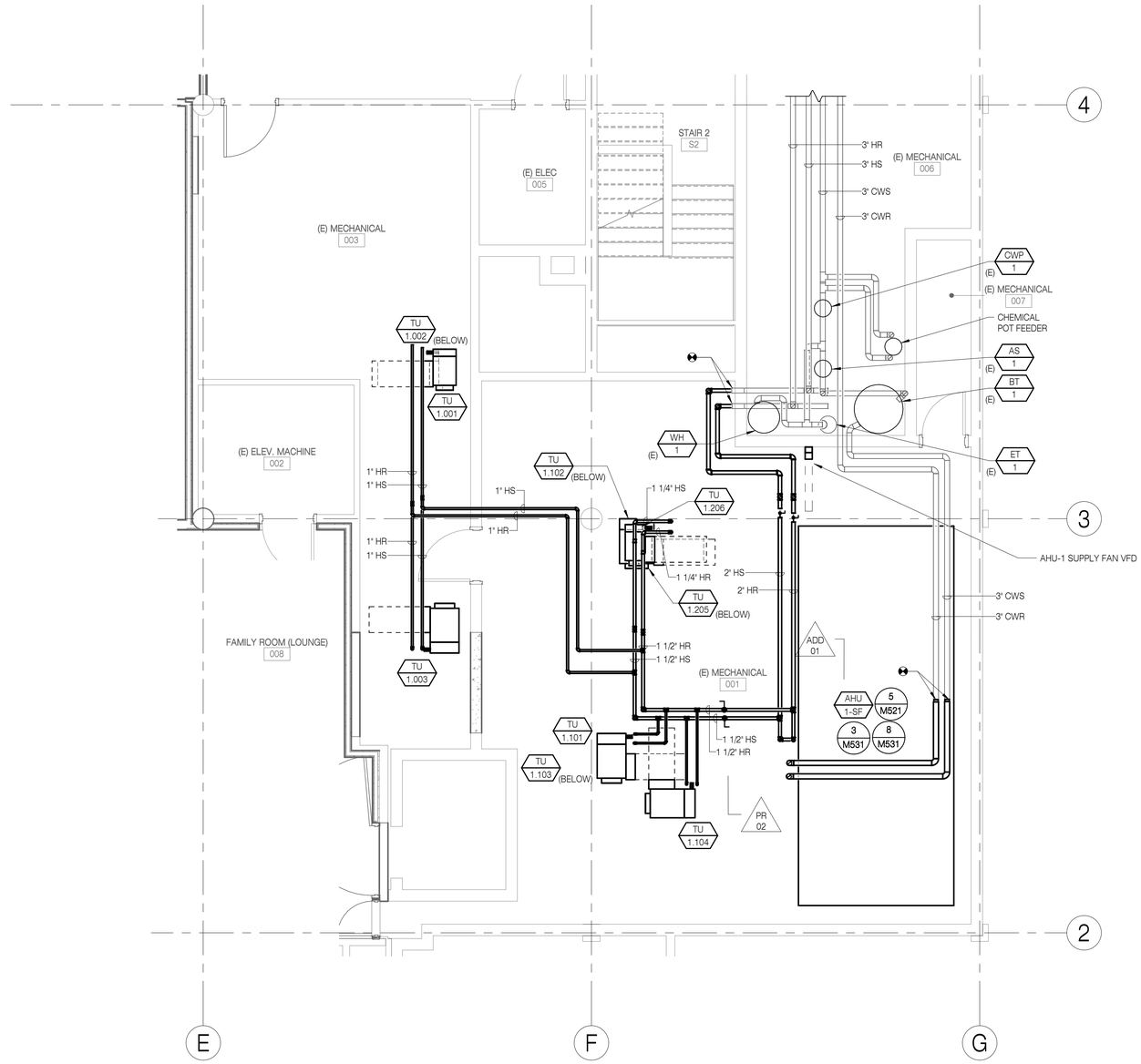
SHEET TITLE:
AIR DISTRIBUTION - ENLARGED MECHANICAL ROOM

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M401



1 MECHANICAL PIPING - ENLARGED MECANICAL ROOM
1/4" = 1'-0"

PRINTED ON: 8/21/2020 3:09:02 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanamTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

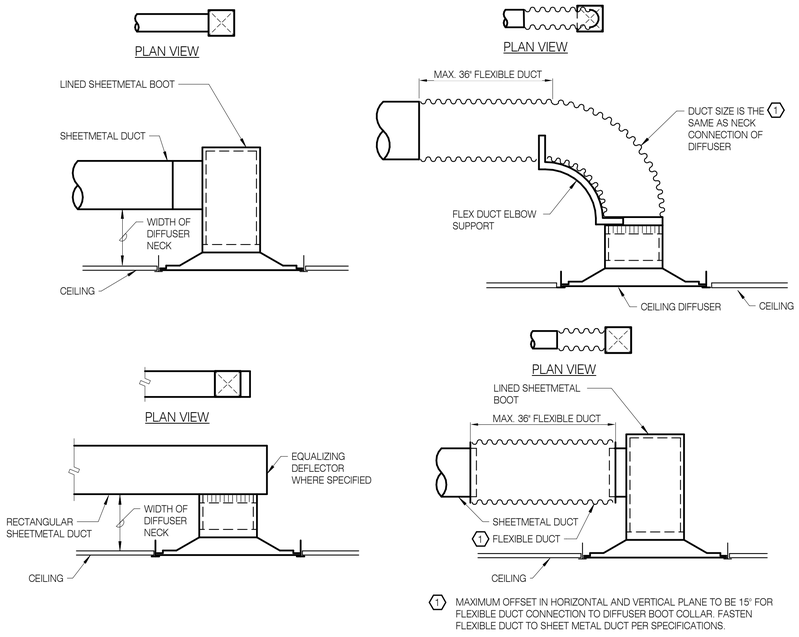
SHEET TITLE:
MECHANICAL PIPING - ENLARGED MECHANICAL ROOM

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
3	PR 02	07.24.19

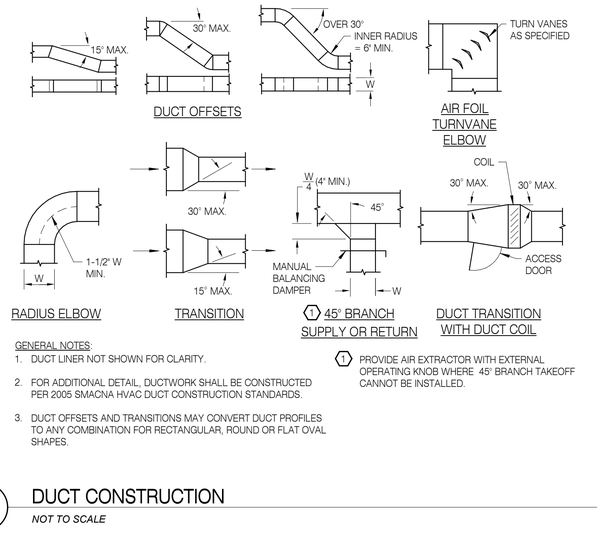
ISSUE DATE: 08/20/2020

M402



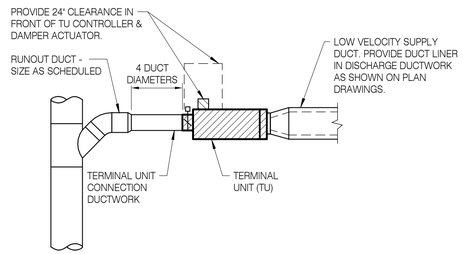
1 DIFFUSER GRILL & REGISTER CONNECTION

NOT TO SCALE



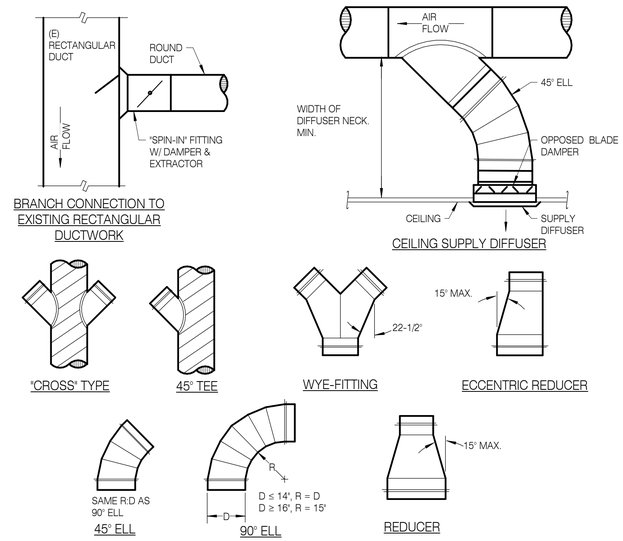
3 DUCT CONSTRUCTION

NOT TO SCALE



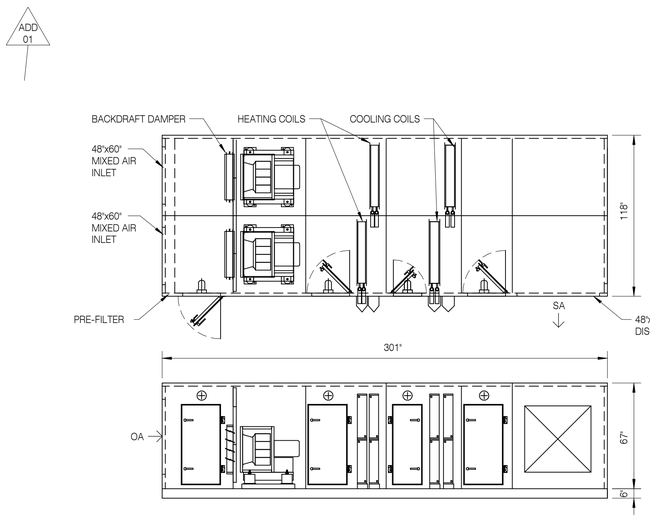
4 TERMINAL UNITS (TU)

NOT TO SCALE



2 ROUND DUCT CONSTRUCTION

NOT TO SCALE



5 AHU-1 SF

NOT TO SCALE

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
DETAILS

REVISIONS:

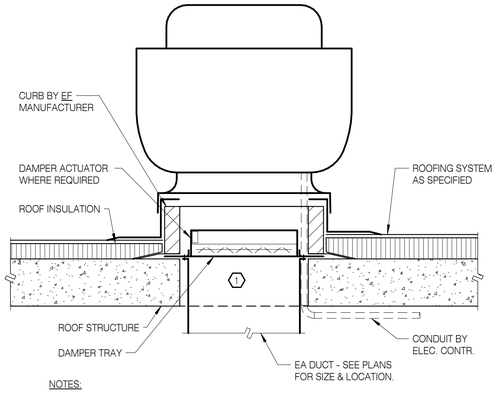
#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M521

PRINTED ON: 8/21/2020 3:09:05 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

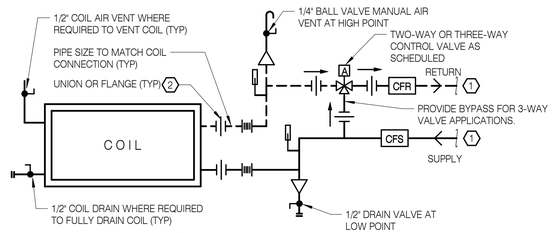


NOTES:

1. PROVIDE DUCTWORK FLANGE TO ATTACH EXH DUCT TO UNDERSIDE OF DAMPER TRAY. PROVIDE DUCTWORK HANGERS TO SUPPORT WEIGHT OF DUCTWORK.

1 ROOF EXHAUST FAN

NOT TO SCALE



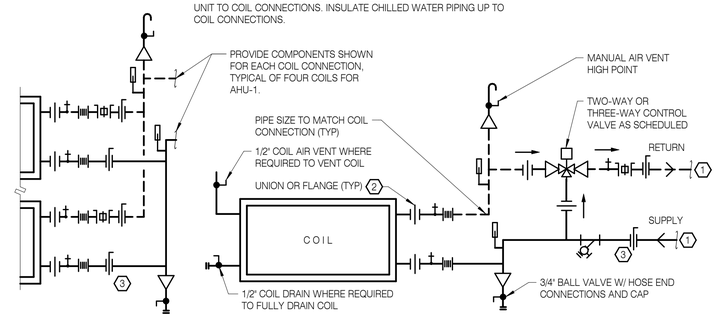
DETAIL NOTES:

1. PIPE SIZE AS SCHEDULED.
2. PROVIDE DIELECTRIC UNION BETWEEN DISSIMILAR PIPING MATERIALS.

2 HEATING / COOLING COIL - SINGLE - TWO OR THREE WAY - 2" AND SMALLER

NOT TO SCALE

AHU-1 NOTE FOR COIL CONNECTIONS INSIDE AIR HANDLER: INSTALL PIPING COMPONENTS OUTSIDE AIR HANDLER. ROUTE PIPING THROUGH UNIT TO COIL CONNECTIONS. INSULATE CHILLED WATER PIPING UP TO COIL CONNECTIONS.

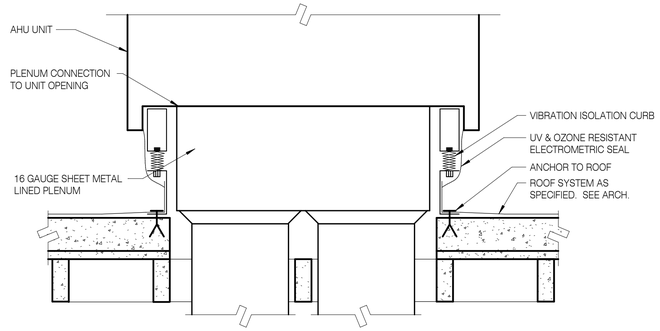


DETAIL NOTES:

1. PIPE SIZE AS SHOWN ON DRAWINGS.
2. PROVIDE DIELECTRIC UNION BETWEEN DISSIMILAR PIPING MATERIALS.
3. FOR 2" AND SMALLER, USE BALL VALVES.

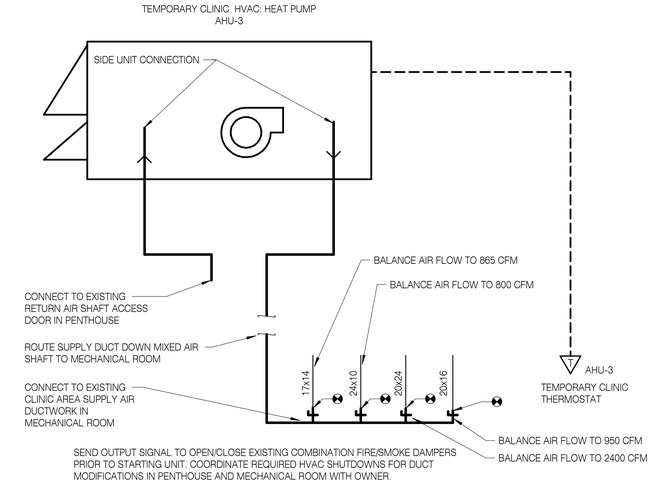
3 HEATING / COOLING COIL - SINGLE - THREE-WAY

NOT TO SCALE



4 AHU DUCT CONNECTIONS

NOT TO SCALE



5 CLINIC AREA TEMPORARY HVAC

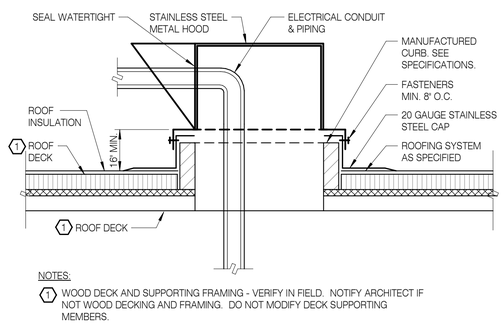
NOT TO SCALE

NOTES:

1. SMS SHALL BE BI-FLEX BY ELCO OR EQUAL.
2. PRE-DRILL HOLES & COUNTER-SINK SCREWS IN STRUCTURAL STEEL MEMBERS

6 ROOFTOP CONDENSING UNIT ROOF CURB

NOT TO SCALE

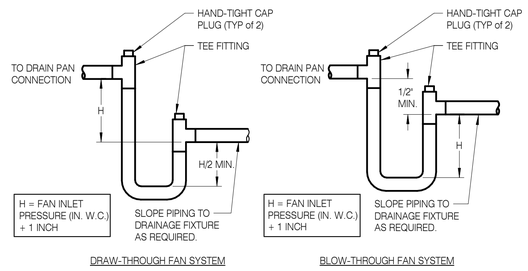


NOTES:

1. WOOD DECK AND SUPPORTING FRAMING - VERIFY IN FIELD. NOTIFY ARCHITECT IF NOT WOOD DECKING AND FRAMING. DO NOT MODIFY DECK SUPPORTING MEMBERS.

7 ROOF PIPING PENETRATION

NOT TO SCALE



8 CONDENSATE DRAIN CONNECTION

NOT TO SCALE

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

SHEET TITLE:

DETAILS

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

M531

PRINTED ON: 8/21/2020 3:09:09 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_jhanarTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PACKAGED ROOFTOP AIR HANDLING UNIT

TAG	MANUFACTURER	MODEL	TYPE	UNIT WEIGHT (LBS)	EXTERIOR		MINIMUM OSA FLOW RATE (CFM)	SUPPLY FAN							RETURN FAN								HEATING PERFORMANCE					COOLING PERFORMANCE		COOLING EFFICIENCY (EER)	ELECTRICAL - SINGLE POINT				REMARKS
					SUPPLY STATIC PRESSURE (IN)	RETURN STATIC PRESSURE (IN)		TYPE	AIRFLOW (CFM)	(1) STATIC PRESSURE (IN)	RPM	BLADE TYPE	FAN HORSEPOWER (BHP)	MOTOR HORSEPOWER (HP)	MOTOR CONTROL(2) (STARTER/VFD)	TYPE	AIRFLOW (CFM)	(1) STATIC PRESSURE (IN)	RPM	BLADE TYPE	FAN HORSEPOWER (BHP)	MOTOR HORSEPOWER (HP)	MOTOR CONTROL (2) (STARTER/VFD)	EWT (°F)	LWT (°F)	FLOW (GPM)	CAPACITY (MBH)	MAX PD (FT)	SENSIBLE CAPACITY (MBH)	TOTAL CAPACITY (MBH)		VOLTS	PHASE	MCA (3)	MOP (4)	
AHU-2	TRANE	SLHLF40E	OUTDOOR	9500	1.50	1.00	3000	PLENUM	15000	2.7	1600	AIRFOIL PLENUM	10.9	15	VFD	PLENUM	12500	1.5	1300	AIRFOIL PLENUM	5.5	7.5	VFD	130	110	24.0	243	0.20	506	615	10.8	208	3	265	300	
AHU-3	TRANE	WSH150E3	OUTDOOR	2100	1.50	0.00	1000	HOUSED	5000	1.5	0	FORWARD CURVED	0	0	STARTER	NONE	0	0.0	0		0	0.0		0	0	0.0	136	0.00	144	144	10.6	208	3	67	80	HEAT PUMP

(1) SHALL MEET MINIMUM EXTERNAL STATIC PRESSURE USING FILTER CHANGE-OUT PRESSURE.
(2) MOTOR CONTROL FURNISHED BY DIV. 23.
(3) MINIMUM CIRCUIT AMPACITY.
(4) MAXIMUM OVERCURRENT PROTECTION.

ADD 01

PR 06

AIR HANDLING UNIT

TAG	MANUFACTURER	MODEL	TYPE	SERVICE	UNIT WEIGHT (LBS)	ESP (IN)	MINIMUM OSA FLOW RATE (CFM)	FAN PERFORMANCE											ELECTRICAL - SINGLE POINT				REMARKS
								# OF FANS	TYPE	AIRFLOW (CFM)	(1) STATIC PRESSURE (IN)	RPM (EACH FAN)	BLADE TYPE	WHEEL DIAMETER (IN, EACH FAN)	FAN HORSEPOWER (BHP PER FAN)	MOTOR HORSEPOWER (HP PER FAN)	MOTOR CONTROL(2) (STARTER/VFD)	HOT WATER COIL TAG	COOLING COIL TAG	VOLTS	PHASE	MCA	MOP	
AHU-1 RF	SCOTT SPRINGFIELD	CUSTOM	FAN ARRAY	RETURN	2000	1.25	0	4	PLENUM	15000	1.50	2900	AIRFOIL PLENUM	14	2.6	4.00	ECM	--	--	208	3	0	0	LOCATED IN SECOND FLOOR ROOF PENTHOUSE
AHU-1-SF	SCOTT SPRINGFIELD	CUSTOM	MODULAR INDOOR	SUPPLY	10300	1.75	3000	2	PLENUM	17500	3.00	2230	AIRFOIL PLENUM	20	7.1	10.00	VFD	HC-1	CC-1	208	3	55	70	LOCATED IN BASEMENT MECHANCIAL ROOM

(1) SHALL MEET MINIMUM EXTERNAL STATIC PRESSURE USING FILTER CHANGE-OUT PRESSURE.
(2) MOTOR CONTROL FURNISHED BY DIV. 23.
(3) MINIMUM CIRCUIT AMPACITY.
(4) MAXIMUM OVERCURRENT PROTECTION.

ADD 01

CHILLED WATER COIL

TAG	LENGTH (IN)	HEIGHT (IN)	NUMBER OF COILS	AIRFLOW (CFM)	COOLING CAPACITY							MAX PD (IN)	MAX PD (FT)	CONTROL VALVE			REMARKS
					EAT DB (°F)	EAT WB (°F)	LAT DB (°F)	LAT WB (°F)	EWT (°F)	LWT (°F)	FLOW (GPM)			TYPE	MAX PD (FT)	RUNOUT SIZE (IN)	
CC-1	46	27	4	17500	78.0	62.0	52.0	50.0	45.0	55.0	120.0	0.40	10	3-WAY	10	3.0	LOCATED IN BASEMENT MECHANICAL ROOM

HOT WATER COIL

TAG	LENGTH (IN)	HEIGHT (IN)	NUMBER OF COILS	AIRFLOW (CFM)	HEATING CAPACITY						MAX PD (IN)	MAX PD (FT)	CONTROL VALVE		RUNOUT SIZE (IN)	REMARKS
					EAT (°F)	LAT (°F)	EWT (°F)	LWT (°F)	FLOW (GPM)				TYPE	MAX PD (FT)		
HC-1	46	27	4	13000	50	70	150	110	12	0.20	5	3-WAY	10	1.5	LOCATED IN BASEMENT MECHANICAL ROOM	

PUMP

TAG	MANUFACTURER	MODEL	SERVICE	TYPE	FLOW (GPM)	TOTAL HEAD (FT)	MIN. EFF (%)	BHP	NPSH (FT)	MOTOR				MOTOR CONTROL (1)(2)	REMARKS
										VOLTS	PHASE	RPM	HP		
HWP-3	TACO	1911	HEATING WATER	IN-LINE	80	65	55	2.23	5	208	3	3450	3	VFD	
HWP-4	TACO	2445	COIL PUMP	IN-LINE	24	20	0	0	0	120	1	3450	.33	CR	

(1) MOTOR CONTROL FURNISHED BY DIV. 23
(2) MS- MOTOR STARTER, VFD - VARIABLE FREQUENCY DRIVE, ECM - ECM MOTOR CONTROLLER, CR - CONTROL RELAY

TERMINAL UNITS - VAV

TAG	MANUFACTURER	MODEL	TERMINAL UNIT						REHEAT COIL						RUNOUT PIPE SIZE (IN)	CONTROL VALVE		REMARKS
			INLET SIZE (IN)	COOLING MAX (CFM)	HEATING MAX (CFM)	TU MIN (CFM)	RAD. NC (1)	DISCH (1)	MAX PD (2) (IN)	EAT (°F)	LAT (°F)	EWT (°F)	FLOW (GPM)	MAX PD (FT)		TYPE	MAX PD (FT)	
TU-1.001	PRICE	SDV-12	12	1600	800	585	25	30	0.35	55	80	150	1.10	5.0	3/4"	2-WAY	10	
TU-1.002	PRICE	SDV-07	7	440	300	440	25	30	0.35	55	80	150	0.50	5.0	1/2"	2-WAY	10	
TU-1.003	PRICE	SDV-14	14	1200	775	750	25	30	0.35	55	95	150	1.40	5.0	3/4"	3-WAY	10	
TU-1.101	PRICE	SDV-14	14	1440	720	435	25	30	0.35	55	85	150	2.10	5.0	3/4"	2-WAY	10	
TU-1.102	PRICE	SDV-16	16	4050	2030	1215	25	30	0.35	55	95	150	4.40	5.0	1"	2-WAY	10	
TU-1.103	PRICE	SDV-14	14	1350	680	405	25	30	0.35	55	85	150	2.00	5.0	3/4"	2-WAY	10	
TU-1.104	PRICE	SDV-14	14	1575	790	475	25	30	0.35	55	85	150	1.70	5.0	3/4"	2-WAY	10	
TU-1.201	PRICE	SDVLP-16	29x8	2750	1375	825	25	30	0.35	55	95	150	4.00	5.0	1"	3-WAY	10	
TU-1.202	PRICE	SDVLP-14	21x8	1650	825	500	25	30	0.35	55	95	150	2.40	5.0	3/4"	2-WAY	10	
TU-1.203	PRICE	SDVLP-14	21x8	1800	900	525	25	30	0.35	55	95	150	2.60	5.0	3/4"	2-WAY	10	
TU-1.204	PRICE	SDV-07	7	350	175	150	25	30	0.35	55	85	150	0.50	5.0	1/2"	2-WAY	10	
TU-1.205	PRICE	SDV-07	7	300	300	300	25	30	0.35	55	95	150	0.90	5.0	1/2"	2-WAY	10	
TU-1.206	PRICE	SDV-09	9	1450	725	525	25	30	0.35	55	95	150	2.10	5.0	3/4"	2-WAY	10	
TU-1.207	PRICE	SDVLP-16	29x8	2250	1125	670	25	30	0.35	55	95	150	3.20	5.0	1"	3-WAY	10	
TU-2.001	PRICE	SDV-06	6	250	250	250	25	30	0.35	55	80	150	0.50	5.0	1/2"	3-WAY	10	
TU-2.002	PRICE	SDV-06	6	300	300	90	25	30	0.35	55	80	150	0.50	5.0	1/2"	2-WAY	10	
TU-2.003	PRICE	SDV-12	12	1300	650	575	25	30	0.35	55	80	150	1.20	5.0	3/4"	2-WAY	10	
TU-2.101	PRICE	SDV-14	14	1700	900	825	25	30	0.35	55	95	150	2.60	5.0	3/4"	2-WAY	10	
TU-2.102	PRICE	SDV-14	14	1700	950	825	25	30	0.35	55	95	150	2.70	5.0	3/4"	2-WAY	10	
TU-2.103	PRICE	SDV-14	14	1500	900	825	25	30	0.35	55	95	150	2.60	5.0	3/4"	2-WAY	10	
TU-2.104	PRICE	SDV-10	10	900	600	550	25	30	0.35	55	95	150	1.70	5.0	3/4"	2-WAY	10	
TU-2.105	PRICE	SDV-06	6	350	125	105	25	30	0.35	55	80	150	0.60	5.0	1/2"	2-WAY	10	
TU-2.106	PRICE	SDV-14	14	2000	1000	1200	25	30	0.35	55	95	150	3.50	5.0	1"	2-WAY	10	
TU-2.107	PRICE	SDV-08	8	650	325	195	25	30	0.35	55	80	150	0.60	5.0	1/2"	2-WAY	10	
TU-2.108	PRICE	SDV-07	7	800	400	270	25	30	0.35	55	80	150	0.70	5.0	1/2"	2-WAY	10	
TU-2.109	PRICE	SDV-14	14	1700	850	510	25	30	0.35	55	95	150	2.50	5.0	3/4"	3-WAY	10	
TU-2.110	PRICE	SDV-10	10	795	400	240	25	30	0.35	55	95	150	2.00	5.0	3/4"	2-WAY	10	
TU-2.111	PRICE	SDV-10	10	805	405	245	25	30	0.35	55	95	150	2.60	5.0	3/4"	3-WAY	10	
TU-2.112	PRICE	SDV-06	6	250	250	250	25	30	0.35	55	90	150	0.60	5.0	1/2"	3-WAY	10	
TU-2.113	PRICE	SDV-12	12	1200	900	865	25	30	0.35	55	95	150	2.60	5.0	3/4"	2-WAY	10	
TU-2.114	PRICE	SDV-08	8	650	400	375	25	30	0.35	55	95	150	1.20	5.0	3/4"	2-WAY	10	
TU-2.115	PRICE	SDV-06	6	200	200	200	25	30	0.35	55	95	150	0.60	5.0	1/2"	2-WAY	10	

(1) DISCHARGE & RADIATED NC LEVEL OF ASSEMBLY W/1.5" INLET AND 0.5" OUTLET STATIC PRESSURE. CALCULATED ACCORDING TO ARI 855.
(2) TOTAL ASSEMBLY INCLUDING TERMINAL UNIT AND ATTENUATION AT MAXIMUM COOLING AIR FLOW.

ADD 01

EXHAUST FAN

TAG	MANUFACTURER	MODEL	TYPE	PERFORMANCE				WHEEL			SOUND LEVEL (SONES)	MOTOR			MOTOR CONTROL (1)(2)	REMARKS
				AIRFLOW (CFM)	TSP (IN)	SPEED (RPM)	POWER (BHP)	TYPE	BLADE	DIAMETER (IN)		VOLTS	PHASE	HP		
EF-1	GREENHECK	GB-220	DOWNBLAST	3900	1.25	870	1.41	-	-	24	15	208	3	1.5	-	EXISTING
EF-6	GREENHECK	CUE-080-VG	UPBLAST	300	0.50	1669	0.07	SWSI	BI	11	9	120	1	0.1	ECM	
EF-7	GREENHECK	CUE-080-VG	UPBLAST	200	0.25	1158	0.02	SWSI	BI	11	5	120	1	0.1	ECM	
EF-8	GREENHECK	CUE-099-VG	UPBLAST	450	0.50	1170	0.07	SWSI	BI	12	6	120	1	0.25	ECM	
EF-9	GREENHECK	CUE-080-VG	UPBLAST	195	0.50	1502	0.05	SWSI	BI	11	8	120	1	0.1	ECM	
EF-10	GREENHECK	CUE-099-VG	UPBLAST	700	0.75	1535	0.17	SWSI	BI	12	9	120	1	0.25	ECM	

(1) MOTOR CONTROL FURNISHED BY DIV. 23
(2) MS- MOTOR STARTER, VFD - VARIABLE FREQUENCY DRIVE, ECM - ECM MOTOR CONTROLLER, CR - CONTROL RELAY

ADD 01

ADD 01

SOUND ATTENUATOR

TAG	MANUFACTURER	MODEL	SYSTEM	AIRFLOW (CFM)	MAX PD (IN)	SIZE (IN)			DYNAMIC INSERTION LOSS (dB)							REMARKS
						WIDTH	HEIGHT	LENGTH	63 HZ	125 HZ	250 HZ	500 HZ	1K HZ	2K HZ	4K HZ	8K HZ	
ST-1	RUSKIN	ELBMP7	AHU-2 RA	7500	0.30	48	24	84	7	12	23	32	34	32	26	20	
ST-2	RUSKIN	ELBMP7	AHU-2 RA	7500	0.30	48	24	84	7	12	23	32	34	32	26	20	

AIR COOLED CONDENSING UNITS

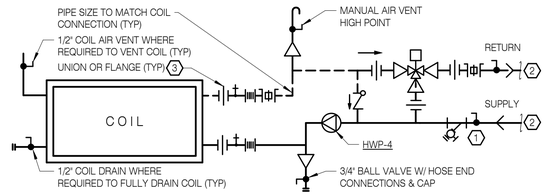
TAG No.	MANUFACTURER	MODEL	AMBIENT DESIGN TEMP (°F)	COOLING CAPACITY (BTU/HR)	EFFICIENCY (SEER)	SOUND LEVEL (dB)	UNIT WEIGHT (LBS)	ELECTRICAL				REMARKS
								VOLTS	PHASE	MCA (1)	MOP (2)	
CU-1	DAIKIN	RZQ18TAVJU	95	18000	17	55	175	208	1	16.5	25.0	(3)
CU-2	DAIKIN	RZQ18TAVJU	95	18000	17	55	175	208	1	16.5	25.0	(3)

(1) MINIMUM CIRCUIT AMPACITY.
(2) MAXIMUM OVERCURRENT PROTECTION.
(3) INDOOR UNIT POWERED BY OUTDOOR UNIT. MCA AND MOP VALUES REPRESENT TOTAL FOR BOTH FAN COIL AND ASSOCIATED CONDENSING UNIT.

FAN COIL UNIT

TAG No.	MANUFACTURER	MODEL	TYPE	COND UNIT	AIRFLOW (CFM)	COOLING					UNIT WEIGHT (LBS)	ELECTRICAL		REMARKS
						EAT		LAT						
						DB (°F)	WB (°F)	DB (°F)	WB (°F)	CAPACITY (BTU/HR) (1)		VOLTS	PHASE	
AC-1	DAIKIN	FAQ18TAVJU	WALL MOUNTED	CU-1	570	75	63	55	54	18000	30	208	1	(2)
AC-2	DAIKIN	FAQ18TAVJU	WALL MOUNTED	CU-2	570	75	63	55	54	18000	30	208	1	(2)

(1) SENSIBLE CAPACITY.
(2) INDOOR UNIT POWERED BY OUTDOOR UNIT. SEE AIR COOLED CONDENSING UNIT SCHEDULE FOR TOTAL MCA AND MOP VALUES.



DETAIL NOTES:
1. PROVIDE BUTTERFLY VALVES FOR PIPING 2 1/2" AND LARGER AND BALL VALVES FOR PIPING 2" AND SMALLER.
2. PIPE SIZE AS SHOWN ON DRAWINGS.
3. PROVIDE DIELECTRIC UNION BETWEEN DISSIMILAR PIPING MATERIALS.

1 HEATING COIL - NON-FREEZE
NOT TO SCALE

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:09:18 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_jhanan TJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING
REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
SCHEDULES

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
11	PR 06	12.03.19

ISSUE DATE: 08/20/2020

M601

SYSTEM VENTILATION REQUIREMENTS: ASHRAE STANDARD 62.1-2010

VENTILATION LOCATION	DESCRIPTION	HEATING / COOLING	∑ Vpz	Ps	∑ Pz	D	Vou	Vps	Xs	Ev	Vot	%OA
			cfm	People	People	Ps / ∑Pz	cfm	cfm			cfm	Vot / Vps
SYSTEM	AHU-1	COOLING	17,500	129	172	0.75	1,539	17,500	0.088	0.650	2,368	13.5
		HEATING	13,000	129	172	0.75	1,539	13,000	0.117	0.765	2,013	15.5
SYSTEM	AHU-2	COOLING	15,000	137	183	0.75	1,525	15,000	0.102	0.650	2,346	15.6
		HEATING	11,300	137	183	0.75	1,525	11,300	0.113	0.670	2,277	20.2

VENTILATION PARAMETERS

			Rp	Pz	Ra	Az	Vbz	COOLING		HEATING	
									Voz		Voz
SYSTEM / ZONE	ROOM	OCCUPANCY CATEGORY	cfm / p	People	cfm/ft²	ft²	cfm	Ez	cfm	Ez	cfm
	035 STORAGE	STORAGE ROOMS	0.00	0.00	0.12	111	13	1.00	13	1.00	13
	029 HALL	CORRIDORS	0.00	0.00	0.06	650	39	1.00	39	1.00	39
	030 WET GEAR	CORRIDORS	0.00	0.00	0.06	479	29	1.00	29	1.00	29
	028 HALL	CORRIDORS	0.00	0.00	0.06	243	15	1.00	15	1.00	15
	024 LOCKER	CORRIDORS	0.00	0.00	0.06	129	8	1.00	8	1.00	8
	032 BIKE STORAGE	STORAGE ROOMS	0.00	0.00	0.12	468	56	1.00	56	1.00	56
	033 STORAGE	STORAGE ROOMS	0.00	0.00	0.12	570	68	1.00	68	1.00	68
	034A STORAGE	STORAGE ROOMS	0.00	0.00	0.12	111	13	1.00	13	1	13
	034 STORAGE	STORAGE ROOMS	0.00	0.00	0.12	302	36	1.00	36	1.00	36
	021 COLLAB	CORRIDORS	0.00	0.00	0.06	256	15	1.00	15	1	15
TU-1.001			0.00	0.00	0.09	3,319	293		293		293
	017 HALL	CORRIDORS	0.00	0.00	0.06	162	10	1.00	10	1.00	10
	019 QUIET	OFFICE SPACE	5.00	2.00	0.06	70	14	1.00	14	1.00	14
	018 QUIET/MOTHERS	OFFICE SPACE	5.00	2.00	0.06	115	17	1.00	17	1	17
	026 RR/SHOWER	STORAGE ROOMS	0.00	0.00	0.12	115	14	1.00	14	1.00	14
	025 RR/SHOWER	STORAGE ROOMS	0.00	0.00	0.00	75	0	1.00	0	1.00	0
TU-1.002			5.00	0.00	0.12	112	13	1.00	13	1	13
	008 FAMILY ROOM	RECEPTION AREA	5.00	4.00	0.07	649	68		68		68
	011 BREAK AREA	BREAK ROOMS	5.00	40.00	0.06	737	244	1.00	244	1.00	244
	016 PHONE	TELEPHONE CLOSET	0.00	20.00	0.06	513	131	1.00	131	1	131
TU-1.003			5.00	60.00	0.06	1,250	375		375		375
	ZONE 1 101 A	OFFICE SPACE	5.00	10.00	0.06	546	83	1.20	69	0.7	118
	ZONE 1 101 B	OFFICE SPACE	5.00	10.00	0.06	464	78	1.20	65	0.70	111
TU-1.101			5.00	20.00	0.06	1,010	161		134		229
	212 MEDIUM CONFERENCE	CONFERENCE / MEETING	5.00	12.00	0.06	303	78	1.00	78	0.8	98
	213 OFFICE	OFFICE SPACE	5.00	2.00	0.06	145	19	1.00	19	0.80	23
	222 OPEN OFFICE	OFFICE SPACE	5.00	10.00	0.06	802	98	1.00	98	0.8	123
TU-1.201			5.00	24.00	0.06	1,250	195		195		244
	221 OPEN OFFICE	OFFICE SPACE	5.00	12.00	0.06	1,035	122	1.00	122	0.8	153
TU-1.202			5.00	12.00	0.06	1,035	122		122		153
	217 OPEN OFFICE	OFFICE SPACE	5.00	5.00	0.06	520	56	1.00	56	0.8	70
	216 CONFERENCE	CONFERENCE / MEETING	5.00	8.00	0.06	201	52	1.00	52	0.80	65
TU-1.203			5.00	13.00	0.06	721	108		108		135
	220 SMALL MTG	CONFERENCE / MEETING	5.00	4.00	0.06	127	28	1.00	28	0.80	35
	219 WORK ROOM	OFFICE SPACE	5.00	1.00	0.06	111	12	1	12	0.8	15
	215 HALL	CORRIDORS	0.00	0.00	0.06	246	15	1.00	15	0.80	18
	214 COFFEE NOOK	CORRIDORS	0.00	0.00	0.06	115	7	1.00	7	0.80	9
TU-1.204			5.00	5.00	0.06	599	61		61		76
	211 WOMENS RESTROOM	STORAGE ROOMS	0.00	0.00	0.12	191	23	1	23	0.8	29
	210 MENS RESTROOM	STORAGE ROOMS	0.00	0.00	0.12	199	24	1.00	24	0.80	30
TU-1.205			0.00	0.00	0.12	390	47		47		59
	205 HALL	CORRIDORS	0.00	0.00	0.06	402	24	1.00	24	0.80	30
	206 RECEPTION	RECEPTION AREA	5.00	2.00	0.06	84	15	1	15	0.8	19
	201 WAITING	LOBBIES	5.00	3.00	0.06	118	22	1.00	22	0.80	28
	200 LOBBY	LOBBIES	5.00	3.00	0.06	324	34	1.00	34	0.80	43
	202 SMALL MTG	CONFERENCE / MEETING	5.00	2.00	0.06	70	14	1	14	0.8	18
	203 SMALL MTG	CONFERENCE / MEETING	5.00	4.00	0.06	172	30	1.00	30	0.80	38
	204 SMALL MTG	CONFERENCE / MEETING	5.00	4.00	0.06	108	26	1.00	26	0.80	33
TU-1.206			5.00	18.00	0.06	1,278	167		167		208
	207 OPEN OFFICE	OFFICE SPACE	5.00	12.00	0.06	1,069	124	1.00	124	0.80	155
	208 IT OFFICE	OFFICE SPACE	5.00	4.00	0.06	232	34	1.00	34	0.80	42
TU-1.207			5.00	16.00	0.06	1,301	158		158		198
AHU-1			5.00	172.00	0.07	12,802	1,754				2,038

VENTILATION PARAMETERS

			Rp	Pz	Ra	Az	Vbz	COOLING		HEATING	
									Voz		Voz
SYSTEM / ZONE	ROOM	OCCUPANCY CATEGORY	cfm / p	People	cfm/ft²	ft²	cfm	Ez	cfm	Ez	cfm
	037 WORK ROOM	OFFICE SPACE	5.00	4.00	0.06	400	44	1	44	1	44
TU-2.001			5.00	4.00	0.06	400	44		44		44
	020 STORAGE	STORAGE ROOMS	0.00	0.00	0.12	2,138	257	1	257	1	257
TU-2.002			0.00	0.00	0.12	2,138	257		257		257
	012 EATING AREA	BREAK ROOMS	5.00	20.00	0.06	425	126	1.00	126	1.00	126
	009 MEDIUM CONFERENCE	CONFERENCE / MEETING	5.00	12.00	0.06	299	78	1.00	78	1.00	78
	010 MEDIUM CONFERENCE	CONFERENCE / MEETING	5.00	12.00	0.06	295	78	1.00	78	1.00	78
TU-2.003			5.00	44.00	0.06	1,019	281		281		281
	123 OPEN OFFICE ZONE 1	OFFICE SPACE	5.00	10.00	0.06	792	98	1.00	98	0.80	122
TU-2.101			5.00	10.00	0.06	792	98		98		122
	123 OPEN OFFICE ZONE 2	OFFICE SPACE	5.00	10.00	0.06	960	108	1.00	108	0.80	135
TU-2.102			5.00	10.00	0.06	960	108		108		135
	123 OPEN OFFICE ZONE 3	OFFICE SPACE	5.00	8.00	0.06	816	89	1.00	89	0.80	111
TU-2.103			5.00	8.00	0.06	816	89		89		111
	122 OPEN OFFICE	OFFICE SPACE	5.00	6.00	0.06	655	69	1	69	0.8	87
TU-2.104			5.00	6.00	0.06	655	69		69		87
	120 MEETING	CONFERENCE / MEETING	5.00	4.00	0.06	93	26	1.00	26	0.80	32
	121 WORK ROOM	OFFICE SPACE	5.00	2.00	0.06	120	17	1	17	0.8	22
TU-2.105			5.00	6.00	0.06	213	43		43		53
	119 OPEN OFFICE	OFFICE SPACE	5.00	10.00	0.06	795	98	1	98	0.8	122
	117 HALL	CORRIDORS	0.00	6.00	0.06	674	70	1.00	70	0.80	88
TU-2.106			5.00	16.00	0.06	1,469	168		168		210
	115 MEETING	CONFERENCE / MEETING	5.00	4.00	0.06	88	25	1.00	25	0.80	32
	116 HALL	CORRIDORS	0.00	0.00	0.06	190	11	1	11	0.8	14
TU-2.107			5.00	4.00	0.06	278	37		37		46
	111 MEETING	CONFERENCE / MEETING	5.00	4.00	0.06	116	27	1	27	0.8	34
	112 MEETING	CONFERENCE / MEETING	5.00	4.00	0.06	116	27	1.00	27	0.80	34
	113 MEETING	CONFERENCE / MEETING	5.00	4.00	0.06	117	27	1	27	0.8	34
	114 MEETING	CONFERENCE / MEETING	5.00	4.00	0.06	116	27	1.00	27	0.80	34
TU-2.108			5.00	16.00	0.06	465	108		108		135
	105 CONFERENCE ROOM	CONFERENCE / MEETING	5.00	40.00	0.06	820	250	1.2	208	0.7	356
TU-2.109, TU-2.110, & TU-2.111			5.00	40.00	0.06	820	250		208		356
	107 OFFICE	OFFICE SPACE	5.00	3.00	0.06	178	26	1.00	26	0.80	32
TU-2.112			5.00	3.00	0.06	178	26		26		32
	109 HALL	CORRIDORS	0.00	0.00	0.06	333	20	1.00	20	0.80	25
	108 RECEPTION	LOBBIES	5.00	3.00	0.06	229	29	1	29	0.8	36
	101 LOBBY	LOBBIES	5.00	3.00	0.06	393	39	1.00	39	0.80	48
	110 HALL	CORRIDORS	0.00	0.00	0.06	115	7	1	7	0.8	9
TU-2.113			5.00	6.00	0.06	1,070	94		94		118
	104 WAITING	LOBBIES	5.00	10.00	0.06	348	71	1	71	0.8	89
TU-2.114			5.00	10.00	0.06	348	71		71		89
	102 RR	STORAGE ROOMS	0.00	0.00	0.12	55	7	1	7	0.8	8
	103 RR	STORAGE ROOMS	0.00	0.00	0.12	55	7	1	7	0.8	8
TU-2.115			0.00	0.00	0.12	110	13		13		17
AHU-2			5.00	183.00	0.07	11,731	1,754				

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING
REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
SCHEDULES

REVISIONS:
DESCRP. DATE

ISSUE DATE: 08/20/2020

M602

VENTILATION CALCULATIONS FOR HEATING DESIGN CONT.

SYSTEM/ ZONE	ROOM	Vpz cfm	Vfan cfm	Vdz cfm	Vpz-min cfm	Voz-htg cfm	Zd	Ep	Er	Fa	Fb	Fc	Evz
	035 STORAGE	50	50	50	50	13	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	029 HALL	75	75	75	75	39	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	030 WET GEAR	100	100	100	100	29	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	028 HALL	50	50	50	50	15	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	024 LOCKER	50	50	50	50	8	0.5	1	0	1	1	1	0.765
	032 BIKE STORAGE	125	125	125	125	56	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	033 STORAGE	150	150	150	150	68	0.5	1	0	1	1	1	0.765
	034A STORAGE	50	50	50	50	13	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	034 STORAGE	100	100	100	100	36	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	021 COLLAB	75	75	75	75	15	0.500	1.00	0.00	1.00	1.00	1.00	0.765
TU-1.001		825	825	825	825	293							0.765
	017 HALL	25	25	25	25	10	0.5	1	0	1	1	1	0.765
	019 QUIET	100	100	100	100	14	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	018 QUIET/MOTHERS	100	100	100	100	17	0.5	1	0	1	1	1	0.765
	026 RR/SHOWER	50	50	50	50	14	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	025 RR/SHOWER	50	50	50	50	0	0.000	1.00	0.00	1.00	1.00	1.00	1.000
TU-1.002		300	300	300	300	13	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	008 FAMILY ROOM	800	800	800	800	68							0.765
	011 BREAK AREA	400	400	400	400	244	0.5	1	0	1	1	1	0.765
	016 PHONE	100	100	100	100	131	0.500	1.00	0.00	1.00	1.00	1.00	0.765
TU-1.003		1,300	1,300	1,300	1,300	375							0.765
	ZONE 1 101 A	720	720	720	720	118	0.208	1.00	0.00	1.00	1.00	1.00	1.000
	ZONE 1 101 B	720	720	720	720	111	0.22132	1	0	1	1	1	1.000
TU-1.101		1,040	1,040	1,040	1,040	229							1.000
	212 MEDIUM CONFERENCE	1,700	1,700	1,700	1,700	98	0.5	1	0	1	1	1	0.765
	213 OFFICE	450	450	450	450	23	0.180	1.00	0.00	1.00	1.00	1.00	1.000
	222 OPEN OFFICE	300	300	300	300	123	0.252	1.00	0.00	1.00	1.00	1.00	1.000
TU-1.201		2,450	2,450	2,450	2,450	244							0.765
	221 OPEN OFFICE	1,650	1,650	1,650	1,650	153	0.309	1.00	0.00	1.00	1.00	1.00	0.956
TU-1.202		1,650	1,650	1,650	1,650	153							0.956
	217 OPEN OFFICE	1,200	1,200	1,200	1,200	70	0.200	1.00	0.00	1.00	1.00	1.00	1.000
	216 CONFERENCE	600	600	600	600	65	0.380	1.00	0.00	1.00	1.00	1.00	0.885
TU-1.203		1,800	1,800	1,800	1,800	135							0.885
	220 SMALL MTG	175	175	175	175	35	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	219 WORK ROOM	125	125	125	125	15	0.5	1	0	1	1	1	0.765
	215 HALL	100	100	100	100	18	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	214 COFFEE NOOK	100	100	100	100	9	0.500	1.00	0.00	1.00	1.00	1.00	0.765
TU-1.204		500	500	500	500	76							0.765
	211 WOMENS RESTROOM	150	150	150	150	29	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	210 MENS RESTROOM	150	150	150	150	30	0.500	1.00	0.00	1.00	1.00	1.00	0.765
TU-1.205		300	300	300	300	59							0.765
	205 HALL	150	150	150	150	30	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	206 RECEPTION	150	150	150	150	19	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	201 WAITING	125	125	125	125	28	0.5	1	0	1	1	1	0.765
	200 LOBBY	150	150	150	150	43	0.500	1.00	0.00	1.00	1.00	1.00	0.765
	202 SMALL MTG	150	150	150	150	18	0.259074	1	0	1	1	1	1.000
	203 SMALL MTG	450	450	450	450	38	0.291	1.00	0.00	1.00	1.00	1.00	0.973
	204 SMALL MTG	150	150	150	150	33	0.500	1.00	0.00	1.00	1.00	1.00	0.765
TU-1.206		1,325	1,325	1,325	1,325	208							0.765
	207 OPEN OFFICE	1,375	1,375	1,375	1,375	155	0.284999	1	0	1	1	1	0.980
	208 IT OFFICE	500	500	500	500	42	0.338	1.00	0.00	1.00	1.00	1.00	0.927
TU-1.207		1,875	1,875	1,875	1,875	198							0.927
AHU-1													

VENTILATION CALCULATIONS FOR HEATING DESIGN CONT.

SYSTEM/ ZONE	ROOM	Vpz cfm	Vfan cfm	Vdz cfm	Vpz-min cfm	Voz-htg cfm	Zd	Ep	Er	Fa	Fb	Fc	Evz
	037 WORK ROOM	250	250	250	250	44	0.5	1	0	1	1	1	0.670
TU-2.001		250	250	250	250	44							0.670
	020 STORAGE	300	300	300	300	257	0.5	1	0	1	1	1	0.670
TU-2.002		300	300	300	300	257							0.670
	012 EATING AREA	500	500	500	500	126	0.500	1.00	0.00	1.00	1.00	1.00	0.670
	009 MEDIUM CONFERENCE	400	400	400	400	78	0.500	1.00	0.00	1.00	1.00	1.00	0.670
	010 MEDIUM CONFERENCE	400	400	400	400	78	0.500	1.00	0.00	1.00	1.00	1.00	0.670
TU-2.003		1,300	1,300	1,300	1,300	281							0.670
	123 OPEN OFFICE ZONE 1	1,700	1,700	1,700	1,700	122	0.160	1.00	0.00	1.00	1.00	1.00	1.000
TU-2.101		1,700	1,700	1,700	1,700	122							1.000
	123 OPEN OFFICE ZONE 2	1,700	1,700	1,700	1,700	135	0.144	1.00	0.00	1.00	1.00	1.00	1.000
TU-2.102		1,700	1,700	1,700	1,700	135							1.000
	123 OPEN OFFICE ZONE 3	1,500	1,500	1,500	1,500	111	0.142994	1	0	1	1	1	1.000
TU-2.103		1,500	1,500	1,500	1,500	111							1.000
	122 OPEN OFFICE	1,600	1,600	1,600	1,600	87	0.1586	1	0	1	1	1	1.000
TU-2.104		1,600	1,600	1,600	1,600	87							1.000
	120 MEETING	125	125	125	125	32	0.500	1.00	0.00	1.00	1.00	1.00	0.670
	121 WORK ROOM	125	125	125	125	22	0.223	1.00	0.00	1.00	1.00	1.00	0.947
TU-2.105		250	250	250	250	53							0.670
	119 OPEN OFFICE	1,200	1,200	1,200	1,200	122	0.191	1.00	0.00	1.00	1.00	1.00	0.979
	117 HALL	800	800	800	800	88	0.159748	1	0	1	1	1	1.000
TU-2.106		2,000	2,000	2,000	2,000	210							0.979
	115 MEETING	175	175	175	175	32	0.5	1	0	1	1	1	0.670
	116 HALL	475	475	475	475	14	0.052	1.00	0.00	1.00	1.00	1.00	1.000
TU-2.107		650	650	650	650	46							0.670
	111 MEETING	200	200	200	200	34	0.5	1	0	1	1	1	0.670
	112 MEETING	200	200	200	200	34	0.500	1.00	0.00	1.00	1.00	1.00	0.670
	113 MEETING	200	200	200	200	34	0.500	1.00	0.00	1.00	1.00	1.00	0.670
	114 MEETING	200	200	200	200	34	0.5	1	0	1	1	1	0.670
TU-2.108		800	800	800	800	135							0.670
	105 CONFERENCE ROOM	3,300	3,300	3,300	3,300	356	0.344	1.00	0.00	1.00	1.00	1.00	0.825
TU-2.109, TU-2.110, &...		3,300	3,300	3,300	3,300	356							0.825
	107 OFFICE	300	300	300	300	32	0.224	1.00	0.00	1.00	1.00	1.00	0.946
TU-2.112		300	300	300	300	32							0.946
	109 HALL	375	375	375	375	25	0.093	1.00	0.00	1.00	1.00	1.00	1.000
	108 RECEPTION	375	375	375	375	36	0.195	1.00	0.00	1.00	1.00	1.00	0.975
	101 LOBBY	375	375	375	375	48	0.152	1.00	0.00	1.00	1.00	1.00	1.000
	110 HALL	375	375	375	375	9	0.093	1.00	0.00	1.00	1.00	1.00	1.000
TU-2.113		1,500	1,500	1,500	1,500	118							0.975
	104 WAITING	650	650	650	650	89	0.242	1.00	0.00	1.00	1.00	1.00	0.928
TU-2.114		650	650	650	650	89							0.928
	102 RR	100	100	100	100	8	0.161	1.00	0.00	1.00	1.00	1.00	1.000
	103 RR	100	100	100	100	8	0.161	1.00	0.00	1.00	1.00	1.00	1.000
TU-2.115		200	200	200	200	17							1.000
AHU-2													

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE:
AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

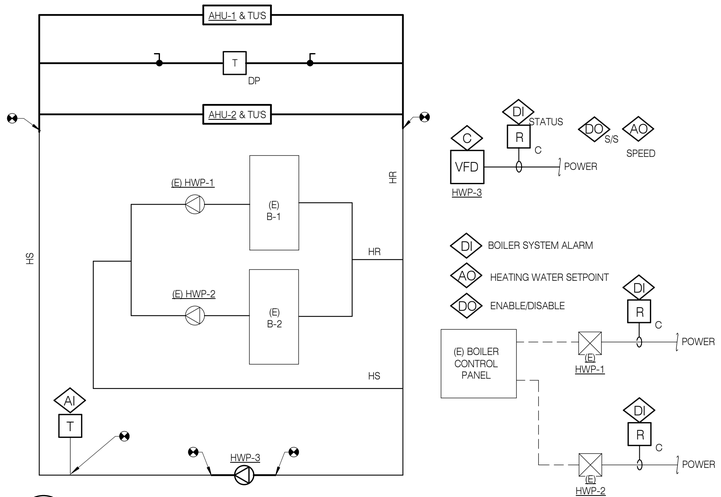
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
SCHEDULES

REVISIONS:
DESCRP. DATE

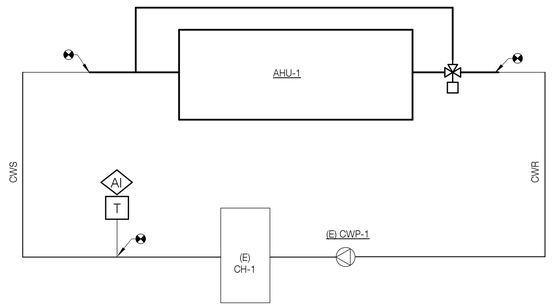
ISSUE DATE: 08/20/2020

M603



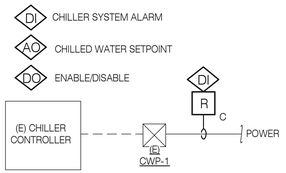
1 HEATING WATER SYSTEM

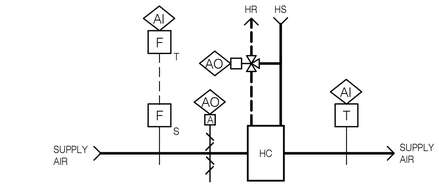
NOT TO SCALE



2 CHILLED WATER SYSTEM

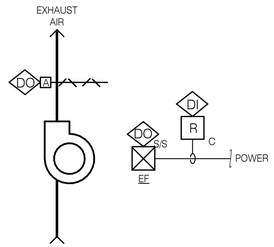
NOT TO SCALE





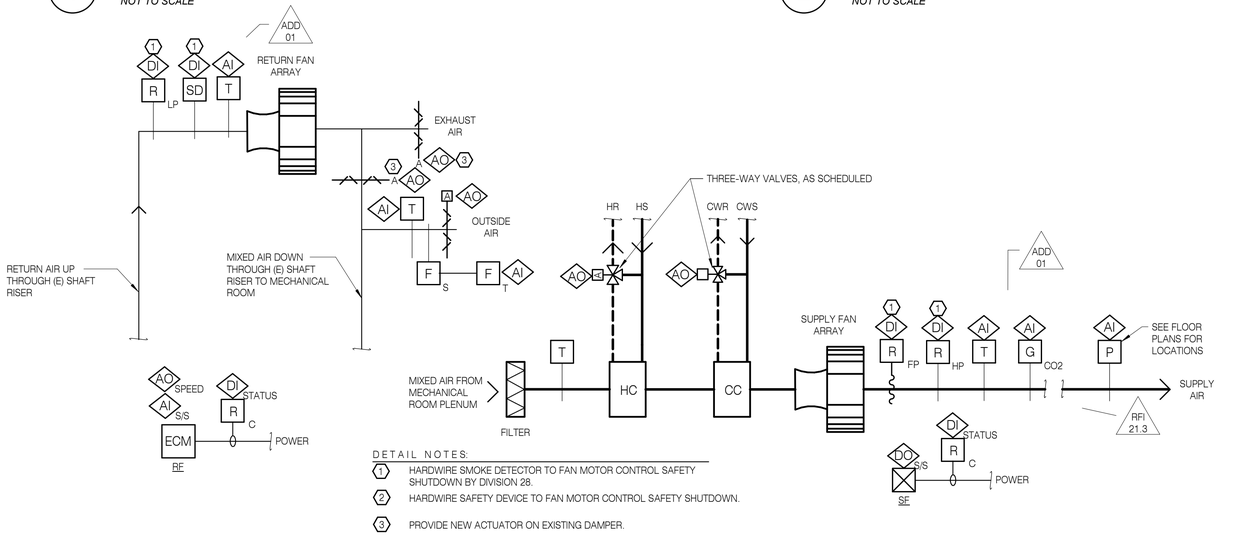
3 TERMINAL UNIT CONTROL

NOT TO SCALE



4 EXHAUST FAN CONTROL

NOT TO SCALE



DETAIL NOTES:

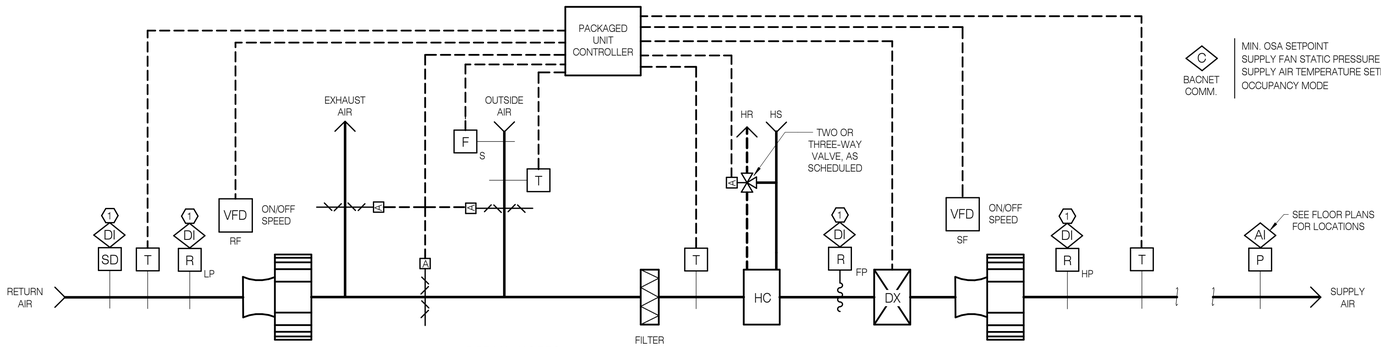
1. HARDWIRE SMOKE DETECTOR TO FAN MOTOR CONTROL SAFETY SHUTDOWN BY DIVISION 28.
2. HARDWIRE SAFETY DEVICE TO FAN MOTOR CONTROL SAFETY SHUTDOWN.
3. PROVIDE NEW ACTUATOR ON EXISTING DAMPER.

5 AHU-1 CONTROLS

NOT TO SCALE

6 AIR HANDLER FIRE ALARM CONTROL

NOT TO SCALE



DETAIL NOTES:

1. HARDWIRE SMOKE DETECTOR TO FAN MOTOR CONTROL SAFETY SHUTDOWN BY DIVISION 28.
2. HARDWIRE SAFETY DEVICE TO FAN MOTOR CONTROL SAFETY SHUTDOWN.

7 AHU-2 CONTROLS

NOT TO SCALE

C — BACNET COMM.
- MIN. OSA SETPOINT
- SUPPLY FAN STATIC PRESSURE SETPOINT
- SUPPLY AIR TEMPERATURE SETPOINT
- OCCUPANCY MODE

GENERAL NOTES:

1. REFER TO MECHANICAL AND ELECTRICAL FLOOR PLANS AND DETAILS FOR FIRE/SMOKE DAMPER AND DUCT SMOKE DETECTOR QUANTITIES AND LOCATIONS.
2. CONTRACTOR SHALL COORDINATE DUCT SMOKE DETECTOR INSTALLATION AT EACH LOCATION PRIOR TO COMMENCING WORK. DIV. 23 SHALL INSTALL DUCT SMOKE DETECTORS, AND MODIFY DUCTWORK AS REQUIRED TO ACCOMMODATE DETECTOR INSTALLATION. PROVIDE ALL WORK TO SUIT INSTALLATION REQUIREMENTS AND ALL APPLICABLE CODES.
3. REFER TO DIV. 28 FOR ALARM SEQUENCE OF OPERATIONS.

REFERENCE NOTES:

1. REFER TO ELECTRICAL PLANS FOR FIRE ALARM PANEL LOCATION.
2. ADDRESSABLE FIRE ALARM CONTROL MODULES BY DIV. 28. INSTALL ADJACENT TO ELECTRICAL PANEL.
3. FIRE SMOKE DAMPER PROVIDED BY DIV. 23. POWER ALL FIRE SMOKE DAMPERS FOR EACH FAN SYSTEM FROM SAME CIRCUIT.
4. ADDRESSABLE FIRE ALARM CONTROL MODULE BY DIV. 28. INSTALL ADJACENT TO BAS PANEL.
5. DUCT SMOKE DETECTOR FURNISHED & WIRED BY DIV. 28, INSTALLED BY DIV. 23.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

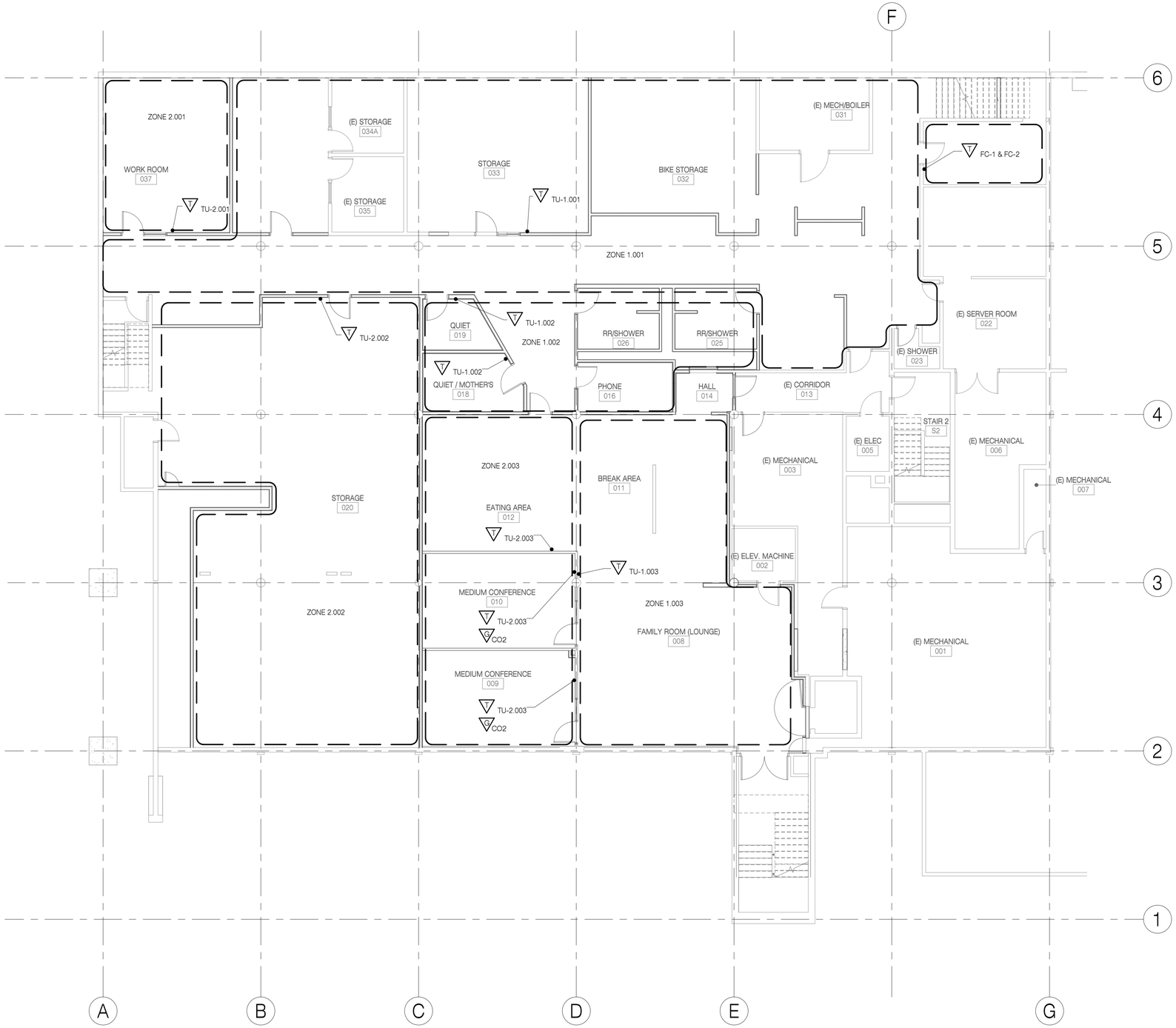
SHEET TITLE:
DIAGRAMS

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
7	RFI 21.3	08.21.19

ISSUE DATE: 08/20/2020

M611



ZONE TAG DESCRIPTION (A.BCC):

A = AIR HANDLER SYSTEM DESIGNATION (1 = AHU-1, 2 = AHU-2)
B = FLOOR LEVEL (0 = BASEMENT, 1 = FIRST FLOOR, 2 = SECOND FLOOR)
CC = SYSTEM ZONE SEQUENCE ON DESIGNATED FLOOR LEVEL

EXAMPLE: ZONE 2.001 = AHU-2, BASEMENT, FIRST AHU-2 ZONE ON BASEMENT LEVEL

1 ZONE MAP - LOWER LEVEL
1/8" = 1'-0"

NORTH

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:09:34 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

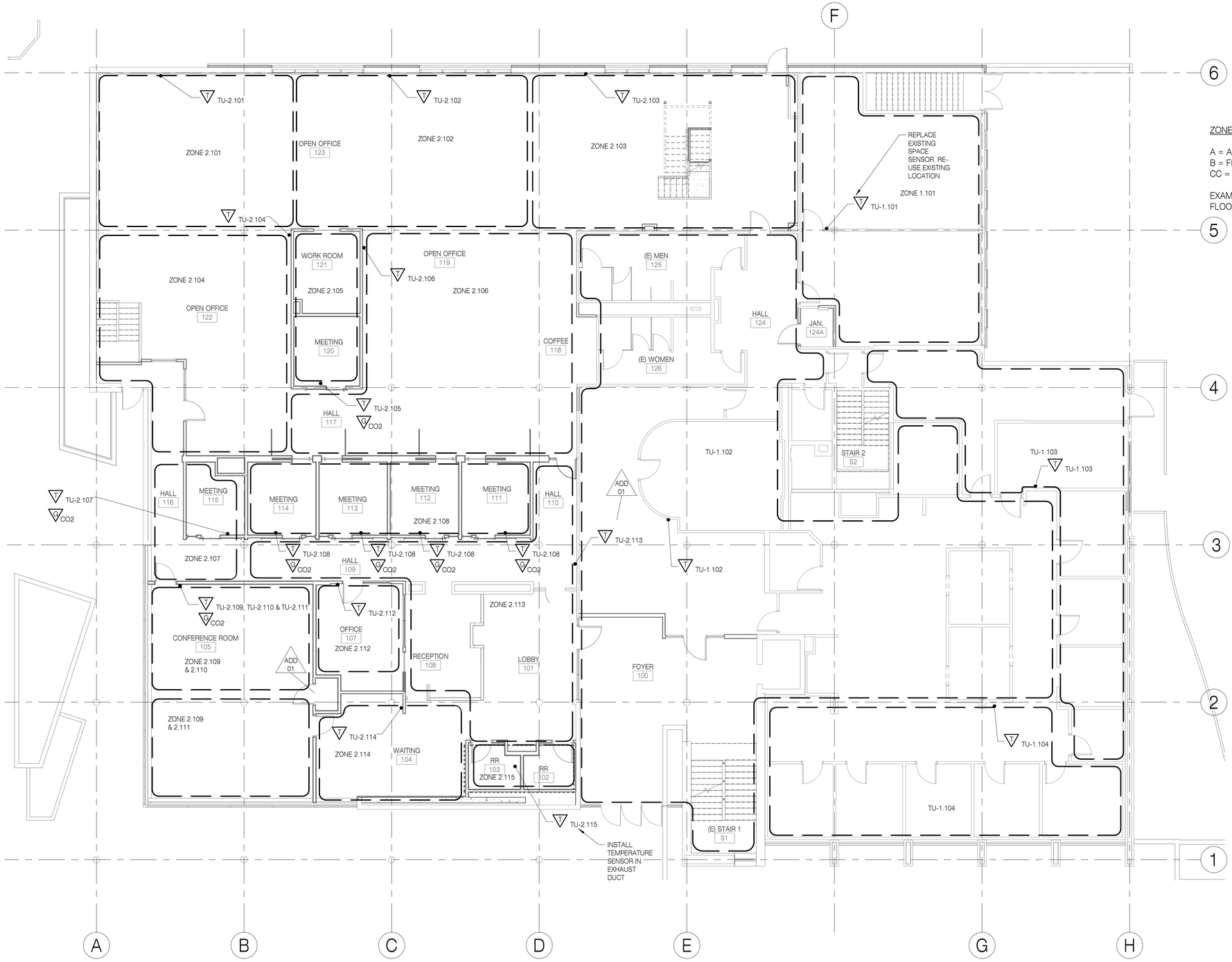
RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
ZONE MAP - LOWER LEVEL

REVISIONS:
#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

M701



NORTH

1 ZONE MAP - FIRST FLOOR
1/8" = 1'-0"

ZONE TAG DESCRIPTION (A.BCC):

A = AIR HANDLER SYSTEM DESIGNATION (1 = AHU-1, 2 = AHU-2)
B = FLOOR LEVEL (0 = BASEMENT, 1 = FIRST FLOOR, 2 = SECOND FLOOR)
CC = SYSTEM ZONE SEQUENCE ON DESIGNATED FLOOR LEVEL

EXAMPLE: ZONE 2.101 = AHU-2, FIRST FLOOR, FIRST AHU-2 ZONE ON FIRST FLOOR

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:09:39 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
ZONE MAP - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
11	PR 06	12.03.19

ISSUE DATE: 08/20/2020

M702

ZONE TAG DESCRIPTION (A.BCC):

A = AIR HANDLER SYSTEM DESIGNATION (1 = AHU-1, 2 = AHU-2)
B = FLOOR LEVEL (0 = BASEMENT, 1 = FIRST FLOOR, 2 = SECOND FLOOR)
CC = SYSTEM ZONE SEQUENCE ON DESIGNATED FLOOR LEVEL

EXAMPLE: ZONE 1.201 = AHU-1, SECOND FLOOR, FIRST AHU-1 ZONE ON SECOND FLOOR

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

NORTH

1 ZONE MAP - SECOND FLOOR
1/8" = 1'-0"

PRINTED ON: 8/21/2020 3:09:43 PM FROM FILE: C:\Users\ish\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
ZONE MAP - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

M703

PLUMBING LEGEND

PIPING

SYMBOL	ABBREV.	DESCRIPTION
FIRE PROTECTION PIPING:		
F	F	FIRE SPRINKLER SUPPLY
PLUMBING PIPING:		
CW	CW	POTABLE COLD WATER
HW	HW	POTABLE HOT WATER
HWR	HWR	POTABLE HOT WATER RETURN
NP	NP	NON-POTABLE COLD WATER
W	W	SANITARY WASTE
PW	PW	PUMPED WASTE
GW	GW	GREASE WASTE
V	V	VENT
D	D	DRAIN
SD	SD	STORM DRAIN
OD	OD	OVERFLOW DRAIN
PSW	PSW	PUMPED STORM WATER
FUEL PIPING:		
G	G	NATURAL GAS
SITE PIPING (REFERENCE)		
W	W	WATER SERVICE
I	I	IRRIGATION

SYMBOL	ABBREV.	DESCRIPTION
		PIPING UP
		PIPING DOWN
S = .01		SLOPE OF PIPE IN DECIMALS OF FEET
		CAPPED PIPE
		PIPE REDUCING FITTING: CONCENTRIC, ECCENTRIC
		DIRECTION OF FLOW
		UNION
		PUMP
	DV	DRAIN VALVE
	BV	BALL VALVE
	BFV	BUTTERFLY VALVE
	CHV	CHECK VALVE
	GV	GATE VALVE
	PRV	PRESSURE REGULATING VALVE
		FLEXIBLE PIPE CONNECTION
		WYE STRAINER
SRV	RV	RELIEF VALVE
	TPS	TEMPERATURE/PRESSURE SAFETY VALVE
W		SENSOR WELL
		THERMOMETER
		PRESSURE GAUGE
		TEST PLUG
M		METER, SELF-CONTAINED
	FMS	FLOW MEASURING STATION
	COTG, FCO	CLEANOUT TO GRADE, FLOOR CLEANOUT
	WCO	WALL CLEANOUT
	FD	FLOOR DRAIN
	HB	HOSE BIBB
RP		REDUCED PRESSURE BACKFLOW PREVENTER
DC		DOUBLE CHECK BACKFLOW PREVENTER
		WATER HAMMER ARRESTOR

GENERAL

SYMBOL	ABBREVIATION	DESCRIPTION
(E)		EXISTING
Φ OR dia		DIAMETER
		NEW TO EXISTING POINT OF CONNECTION
2		NOTE REFERENCE MARKER
2 / M-121 — 2 / M-501	PLAN OR DETAIL NUMBER / SHEET NUMBER	PLAN OR DETAIL REFERENCE MARKER
A / M-401	SECTION LETTER / SHEET NUMBER	SECTION REFERENCE MARKER
EF / 2	EQUIPMENT TYPE / EQUIPMENT NUMBER	EQUIPMENT MARKER
208		ROOM NUMBER
		EXISTING SHOWN LIGHT
		NEW WORK SHOWN BOLD
		EXISTING TO BE REMOVED

ABBREVIATIONS

ACH	AIR CHANGES PER HOUR
AFF	ABOVE FINISHED FLOOR
AFS	AUTOMATIC FIRE SPRINKLER
AL	ALUMINUM
ALT	ALTERNATE
BAS	BUILDING AUTOMATION SYSTEM
BHP	BRAKE HORSEPOWER
BOP	BOTTOM OF PIPE
BTUH	BRITISH THERMAL UNITS PER HOUR
CFH	CUBIC FEET per HOUR
CFM	CUBIC FEET per MINUTE
CMU	CONCRETE MASONRY UNIT
CONC	CONCRETE
CONT	CONTINUATION
DB	DRY BULB
Dba	DECIBELS ACOUSTIC
DN	DOWN
DP	DIFFERENTIAL PRESSURE
EFF	EFFICIENCY
EWT	ENTERING WATER TEMPERATURE
FLA	FULL LOAD AMPS
FPM	FEET PER MINUTE
FT	FEET
FT WC	FEET WATER COLUMN
FUT	FUTURE
GPH	GALLONS PER HOUR
GPM	GALLONS PER MINUTE
GYP BD	GYPSUM WALL BOARD
HP	HORSEPOWER
HVAC	HEATING, VENTILATING, & AIR CONDITIONING
HZ	HERTZ (CYCLES PER SECOND)
IAQ	INDOOR AIR QUALITY
IE	INVERT ELEVATION
IN	INCHES
IN WC	INCHES WATER COLUMN
IPLV	INTEGRATED PART LOAD VALUE
IW	INDIRECT WASTE
LBS	POUNDS
LWT	LEAVINGWATER TEMPERATURE
Ma	MILLIAMPERE
MAX	MAXIMUM
MBH	THOUSAND BTUs per HOUR
MCA	MINIMUM CIRCUIT AMPS
MFGR	MANUFACTURER
MIN	MINIMUM
MOP	MAX. OVERCURRENT PROTECTION
NC	NOISE CRITERIA
NC	NORMALLY CLOSED
NIC	NOT IN CONTRACT
NO	NORMALLY OPEN
NPLV	NON-STANDARD PART LOAD VALUE
NPSH	NET POSITIVE SUCTION HEAD
OFCI	OWNER FURNISHED/CONTRACTOR INSTALLED
PD	PRESSURE DROP
PH	PHASE
PPH	POUNDS per HOUR
PSI	POUNDS per SQUARE INCH GAUGE
RD	ROOF DRAIN
REQD	REQUIRED
RH	RELATIVE HUMIDITY
RPM	REVOLUTIONS per MINUTE
SS	STAINLESS STEEL
STL	STEEL
TYP	TYPICAL
VFD	VARIABLE FREQUENCY DRIVE
WB	WET BULB
WC	WATER COLUMN
WG	WATER GAUGE

GENERAL NOTES

1. THE CLINIC PORTION OF THE FACILITY WILL REMAIN IN OPERATION DURING CONSTRUCTION. COORDINATE ALL SHUTDOWNS AND CONSTRUCTION ACTIVITY WITH FACILITIES STAFF.
2. SIZE AND LOCATION OF ALL PIPING AND OTHER MECHANICAL EQUIPMENT IS APPROXIMATE. CONTRACTOR SHALL SITE VERIFY THE EXACT LOCATION OF EXISTING AND CONSTRUCT ALL WORK FROM FIELD DIMENSIONS. CONTRACTOR SHALL MAKE ADJUSTMENTS NECESSARY TO ACCOMMODATE MINOR DEVIATIONS AT NO COST TO OWNER.
3. FINE (LIGHT) LINE WORK INDICATES EXISTING PIPING AND OTHER MECHANICAL EQUIPMENT. BOLD (HEAVY) LINE WORK INDICATES NEW PIPING AND OTHER MECHANICAL EQUIPMENT.
4. IT IS RESPONSIBILITY OF THE CONTRACTOR TO PROVIDE CUTTING AND PATCHING TO ALLOW THE INSTALLATION OF MATERIALS AND EQUIPMENT AS SPECIFIED AND SHOWN ON DRAWINGS.

SHEET INDEX - PLUMBING

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
20 AUGUST 2020

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
LEGEND, GENERAL NOTES & PLUMBING SHEET INDEX

REVISIONS:
DESCRP. DATE

ISSUE DATE: 08/20/2020

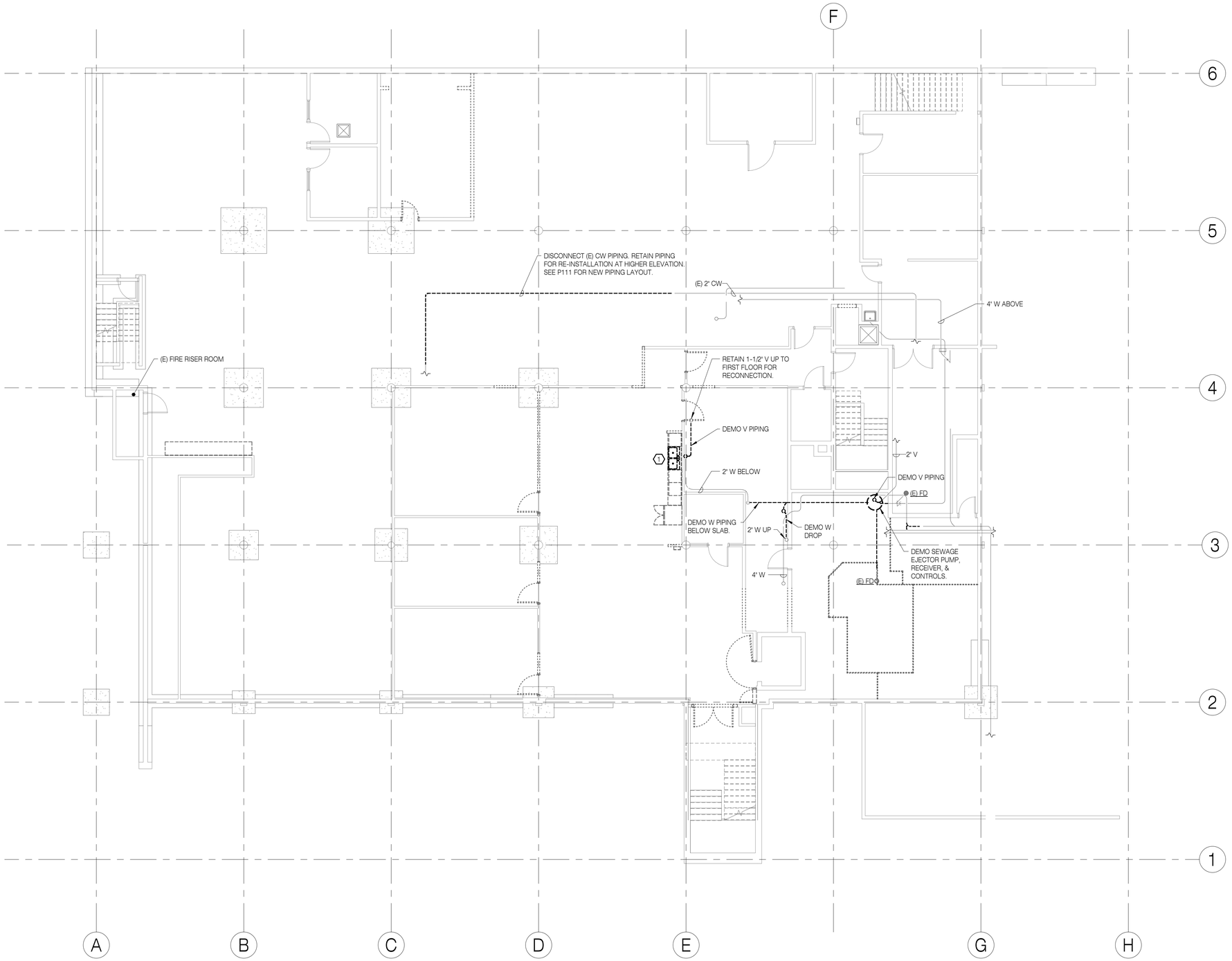
P001

PRINTED ON: 8/21/2020 3:09:44 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanamTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

REFERENCE NOTES:

1. DEMOLISH SINK & ASSOCIATED COOLING UNIT IN ADJACENT MECHANICAL SPACE. RETAIN CW, HW, & W PIPING FOR RECONNECTION.



NORTH

1 PLUMBING DEMOLITION PLAN - LOWER LEVEL
1/8" = 1'-0"

PRINTED ON: 8/21/2020 3:09:48 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanamTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
PLUMBING DEMOLITION PLAN - LOWER LEVEL

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

P101

REFERENCE NOTES:

1. DEMOLISH (E) SINK. RETAIN (E) CW, HW, V, & W PIPING FOR RECONNECTION.
2. DEMOLISH (E) DRINKING FOUNTAIN. RETAIN (E) CW, V, & W PIPING FOR RECONNECTION.

NORTH

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

PRINTED ON: 8/21/2020 3:09:51 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhanamTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
PLUMBING DEMOLITION PLAN - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

P102

REFERENCE NOTES:

1. DEMOLISH (E) SINK. RETAIN (E) CW, HW, V, & W PIPING FOR RECONNECTION.
2. DEMOLISH (E) LAVATORY. RETAIN (E) CW, HW, V, & W PIPING FOR RECONNECTION.
3. UNINSTALL (E) FIXTURE & RETAIN FOR REINSTALLATION. RETAIN (E) CW, V, & W PIPING FOR RECONNECTION.
4. DEMOLISH (E) DRINKING FOUNTAIN. RETAIN (E) CW, V & W PIPING FOR RECONNECTION.

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate.
Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

PRINTED ON: 8/21/2020 3:09:54 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

NORTH

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

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

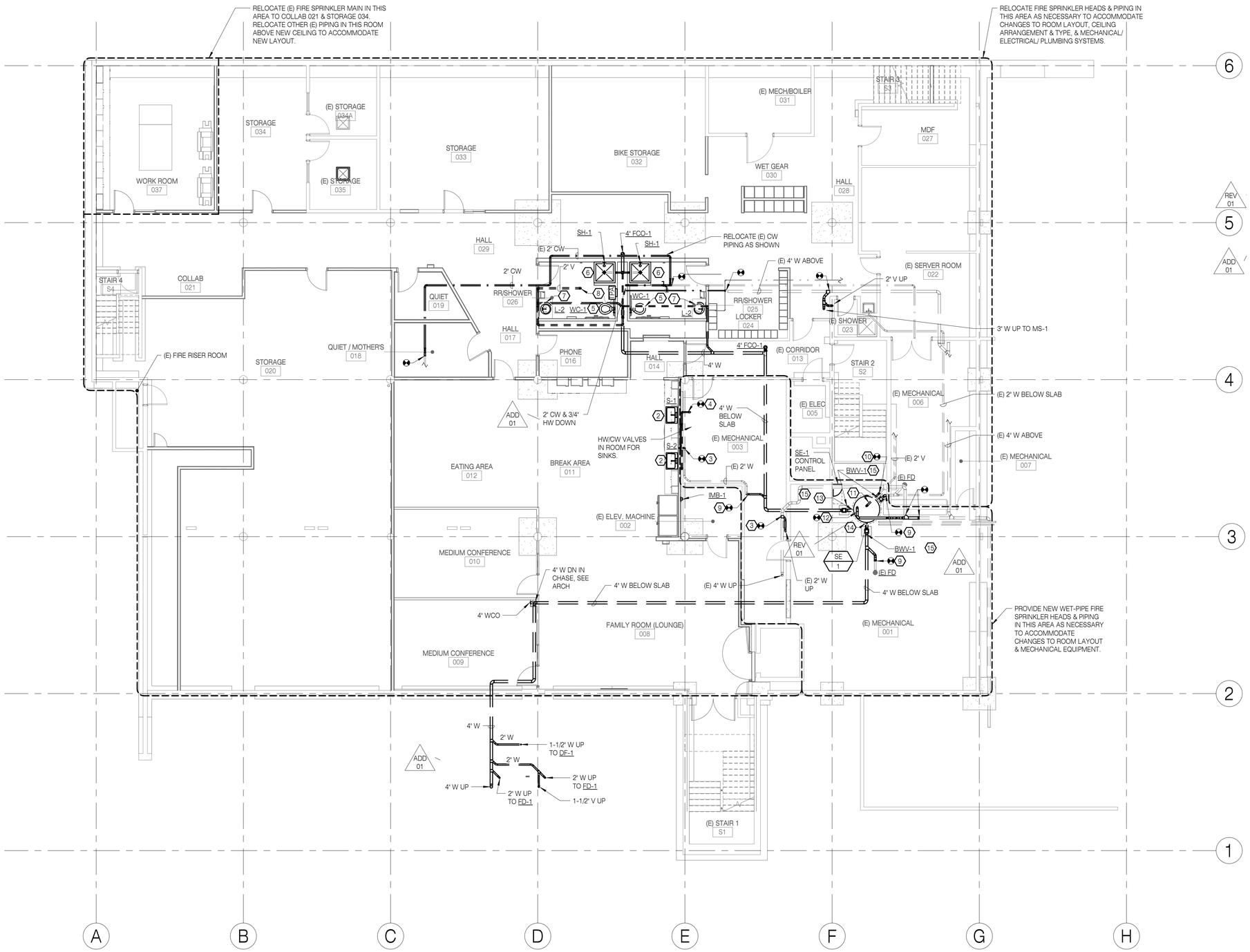
SHEET TITLE:
PLUMBING DEMOLITION PLAN - SECOND FLOOR

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

P103



REFERENCE NOTES:

1. NEW 4" W BELOW GRADE, CONNECT TO (E).
2. NEW SINK. EXTEND (E) CW & HW PIPING IN WALL & CONNECT. NEW 1 1/2" V & 2" W CONNECTIONS. PROVIDE DISHWASHER DRAIN CONNECTION AT SINK TAILPIECE.
3. NEW 2" W CONNECT TO (E) ABOVE SLAB ON WALL.
4. NEW 1 1/2" V, CONNECT TO (E) ABOVE.
5. NEW WATER CLOSET.
6. NEW SHOWER.
7. NEW LAVATORY.
8. 2" V UP TO FIRST FLOOR. CONNECT TO (E) V IN RESTROOM CHASE ABOVE.
9. NEW 3" W. CONNECT TO (E) BELOW SLAB.
10. NEW 2" V. CONNECT TO (E) ABOVE.
11. 2" V DOWN. CONNECT TO NEW SEWAGE EJECTOR PUMP.
12. NEW 3" PUMPED W. CONNECT TO (E) WITH TOP CONNECTION INYO WYE PER 710.4 2017 OPSC.
13. I.E. = 2.63' BELOW LOWER LEVEL FFE.
14. I.E. = 2.46' BELOW LOWER LEVEL FFE.
15. PROVIDE BACKWATER VALVE IN FOUNDATION DRAIN PIPING CONECTION TO SANITARY WASTE.

REV 01

ADD 01

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

NORTH

PRINTED ON: 8/21/2020 3:10:01 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananT.I40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

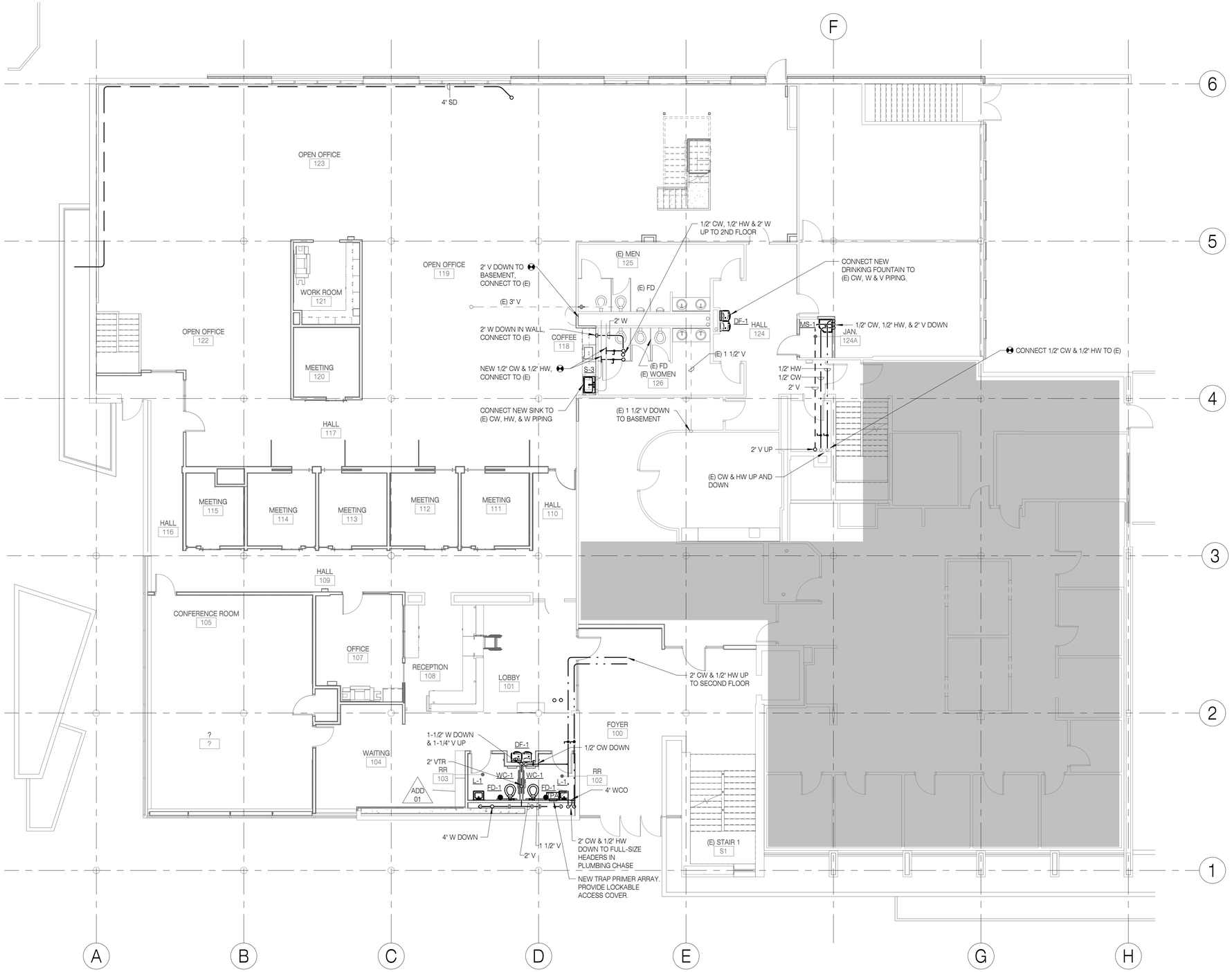
SHEET TITLE:
PLUMBING PLAN - LOWER LEVEL

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19
2	REV 01	06.14.19

ISSUE DATE: 08/20/2020

P111



1 FIRST FLOOR PLUMBING FLOOR PLAN

1/8" = 1'-0"

PRINTED ON: 8/21/2020 3:10:06 PM FROM FILE: C:\Users\sh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ40T.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

RECORD DRAWING

NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.

DATE: AUGUST 20, 2020

PIVOT ARCHITECTURE

RECORD DRAWING

20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:

PLUMBING PLAN - FIRST FLOOR

REVISIONS:

#	DESCRP.	DATE
1	ADD 01	05.17.19

ISSUE DATE: 08/20/2020

P112

REFERENCE NOTES:

1. NEW LAVATORY. CONNECT TO (E) CW, HW, V, & W PIPING.
2. REINSTALL (E) URINAL. CONNECT TO (E) CW, V & W PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.
3. REINSTALL (E) WATER CLOSET. CONNECT TO (E) CW, V & W PIPING. REFER TO ARCHITECTURAL DRAWINGS FOR MOUNTING HEIGHT.

NORTH

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

PRINTED ON: 8/21/2020 3:10:11 PM FROM FILE: C:\Users\jsh\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE- AUGUST 20, 2020

RECORD DRAWINGS

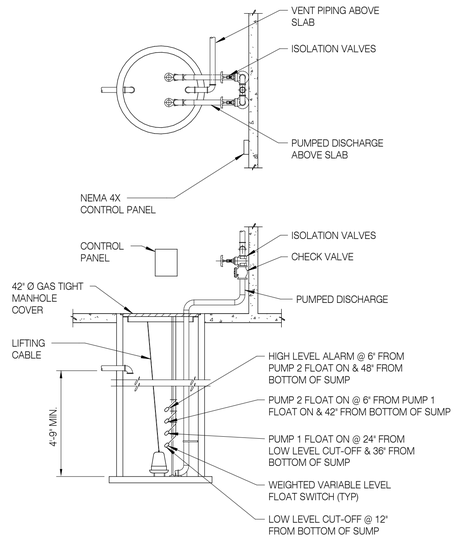
HOMES FOR GOOD OFFICE BUILDING REMODEL
100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
PLUMBING PLAN - SECOND FLOOR

REVISIONS:
DESCRP. DATE

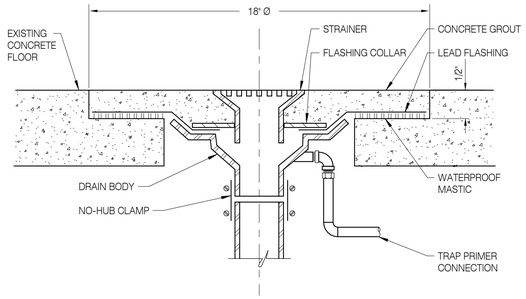
ISSUE DATE: 08/20/2020

P113



1 SEWAGE EJECTOR INSTALLATION DETAIL

NOT TO SCALE



2 SHOWER DRAIN (SD-1) & FLOOR DRAIN (FD-1)

NOT TO SCALE

PRINTED ON: 8/21/2020 3:10:11 PM FROM FILE: C:\Users\jshi\Documents\U003.08_HFG_Arch_Bldg_CENTRAL_v18_JhananTJ4QT.rvt

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE: AUGUST 20, 2020

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
PLUMBING DETAILS

REVISIONS:

#	DESCRP.	DATE

ISSUE DATE: 08/20/2020

P501

DOMESTIC - PUMP

TAG	MANUFACTURER	MODEL	SERVICE	TYPE	FLOW (GPM)	TOTAL HEAD (FT)	BHP	MOTOR				MOTOR CONTROL (1)(2)	REMARKS
								VOLTS	PHASE	RPM	HP		
SE-1	WEIL	2515	SEWAGE	DUPLEX SUBMERSIBLE PUMP	50	18	0.8	208	3	1750	1.5	MS	SINGLE POINT CONNECTION CONTROL PANEL WITH TWO 1.5 HORSEPOWER PUMPS

(1) MOTOR CONTROL FURNISHED BY DIV. 23
(2) MS: MOTOR STARTER, VFD: VARIABLE FREQUENCY DRIVE, ECM: ECM MOTOR CONTROLLER, CR: CONTROL RELAY

PLUMBING SPECIALTIES

TAG	DESCRIPTION	VOLTS	PHASE	FLA	MCA	MOP
DF-1	DRINKING FOUNTAIN WITH BOTTLE FILLER	120	1	1	-	-
S-1	INSINKERATOR HOT WATER DISPENSER AT SINK - 750 WATT	120	1	6.25	-	-
TPA	TRAP PRIMER ARRAY	120	1	1	-	-

DOMESTIC WATER DESIGN CRITERIA

BASIS OF DESIGN: 2017 OREGON PLUMBING SPECIALTY CODE, APPENDIX A 'RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM'.
PIPING SIZED ON 4 PSI/100 FT. DROP UNLESS OTHERWISE NOTED, VELOCITIES NOT TO EXCEED 8 FT./SEC. (COLD WATER) AND NOT TO EXCEED 5 FT./SEC. (HOT WATER). WATER PIPING SIZING ASSUMES TYPE L COPPER AS BASIS OF DESIGN.

SANITARY WASTE AND VENT DESIGN CRITERIA

BASIS OF DESIGN: 2017 OREGON PLUMBING SPECIALTY CODE, CHAPTER 7, 'SANITARY DRAINAGE' AND CHAPTER 9, 'VENTS.'
ALL WASTE PIPING SLOPED AT 1/4-INCH/FT. UNLESS OTHERWISE NOTED.
ALL VENT PIPING SLOPED UPWARDS AT 1/8-INCH/FT. UNLESS OTHERWISE NOTED

STORM WATER DESIGN CRITERIA

BASIS OF DESIGN: 2017 OREGON PLUMBING SPECIALTY CODE, CHAPTER 11 - "STORM DRAINAGE"
DESIGN RAINFALL RATE: 2-INCHES PER HOUR
STORM DRAIN PIPING SLOPE: 1/8-INCH/FT. UNLESS OTHERWISE NOTED

PLUMBING CONNECTIONS

TAG	FIXTURE	PIPE CONNECTIONS (IN)				REMARKS
		W	V	CW	HW	
DF-1	DRINKING FOUNTAIN	1-1/2	1-1/4	1/2	-	
FD-1	FLOOR DRAIN	2	-	-	-	
IMB-1	ICEMAKER BOX	-	-	1/2	-	
L-1	LAVATORY SINK	2	1-1/2	1/2	1/2	
MS-1	MOP SINK	3	2	1/2	1/2	
S-1	SINK	2	1-1/2	1/2	1/2	
S-2	SINK	2	1-1/2	1/2	1/2	
S-3	SINK	2	1-1/2	1/2	1/2	
SH-1	SHOWER	2	-	1/2	1/2	
WC-1	WATER CLOSET	4	2	1-1/4	-	

SCALE OF 11 x 17 SHEETS IS HALF OF SCALE INDICATED

PIVOT ARCHITECTURE

RECORD DRAWING
20 AUGUST 2020

SYSTEMS WEST ENGINEERS
725 A Street
Springfield, OR 97477
541.342.7210
systemswestengineers.com
SWE Proj. No. U003.08

RECORD DRAWING
NOTE: Documents have been corrected as per data supplied by Contractor and Revision / Change Order Drawings. They do not necessarily show all existing conditions and may not be completely accurate. Field verify existing / hidden conditions prior to commencement of new work.
DATE:
AUGUST 20, 2020

RECORD DRAWINGS

HOMES FOR GOOD OFFICE BUILDING REMODEL

100 WEST 13TH AVENUE
EUGENE OR 97401

SHEET TITLE:
PLUMBING SCHEDULES

REVISIONS:
DESCRP. DATE

ISSUE DATE: 08/20/2020

P601