

Bid Set - ADDENDUM NO. 02

December 22, 2023

RE: City Hall Annex Building VRF HVAC Installation  
310 1<sup>st</sup> Street  
Kirkland, WA 98033  
Project No. 52-23-CMO

FROM: Wood Harbinger, Inc.  
929 108th Ave. NE, Suite 1000  
Bellevue, WA 98004  
(425) 628-6094

TO: Prospective Bidders

This Addendum forms a part of the Contract Documents and modifies the original Bidding Documents dated December 6, 2023, as noted below. Acknowledge receipt of this Addendum in the space provided on the Bid Form. Failure to do so may subject Bidder to disqualification.

This Addendum consists of 1 pages and the referenced attachments.

**CHANGES TO INFORMATION FOR BIDDERS:**

1. November 8, 2023 Bid Walk attendance roster
2. December 12, 2023 Bid Walk attendance roster

**CHANGES TO SPECIFICATIONS:**

1. No Changes.

**CHANGES TO DRAWINGS:**

1. Replace drawing E3.1, E3.2, E5.1 and E7.1 with attached revised drawings dated 12/20/2023.

**THE FOLLOWING CLARIFICATIONS ARE ISSUED IN RESPONSE TO BIDDERS QUESTIONS AND ISSUES DISCUSSED AT PRE-BID - None**

**ATTACHMENTS:**

Bid Walk attendance roster 11-08-23  
Bid Walk attendance roster 12-12-23  
Revised Drawing E3.1  
Revised Drawing E3.2  
Revised Drawing E5.2  
Revised Drawing E7.1

END OF ADDENDUM

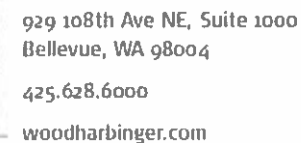


11-~~608~~-2023

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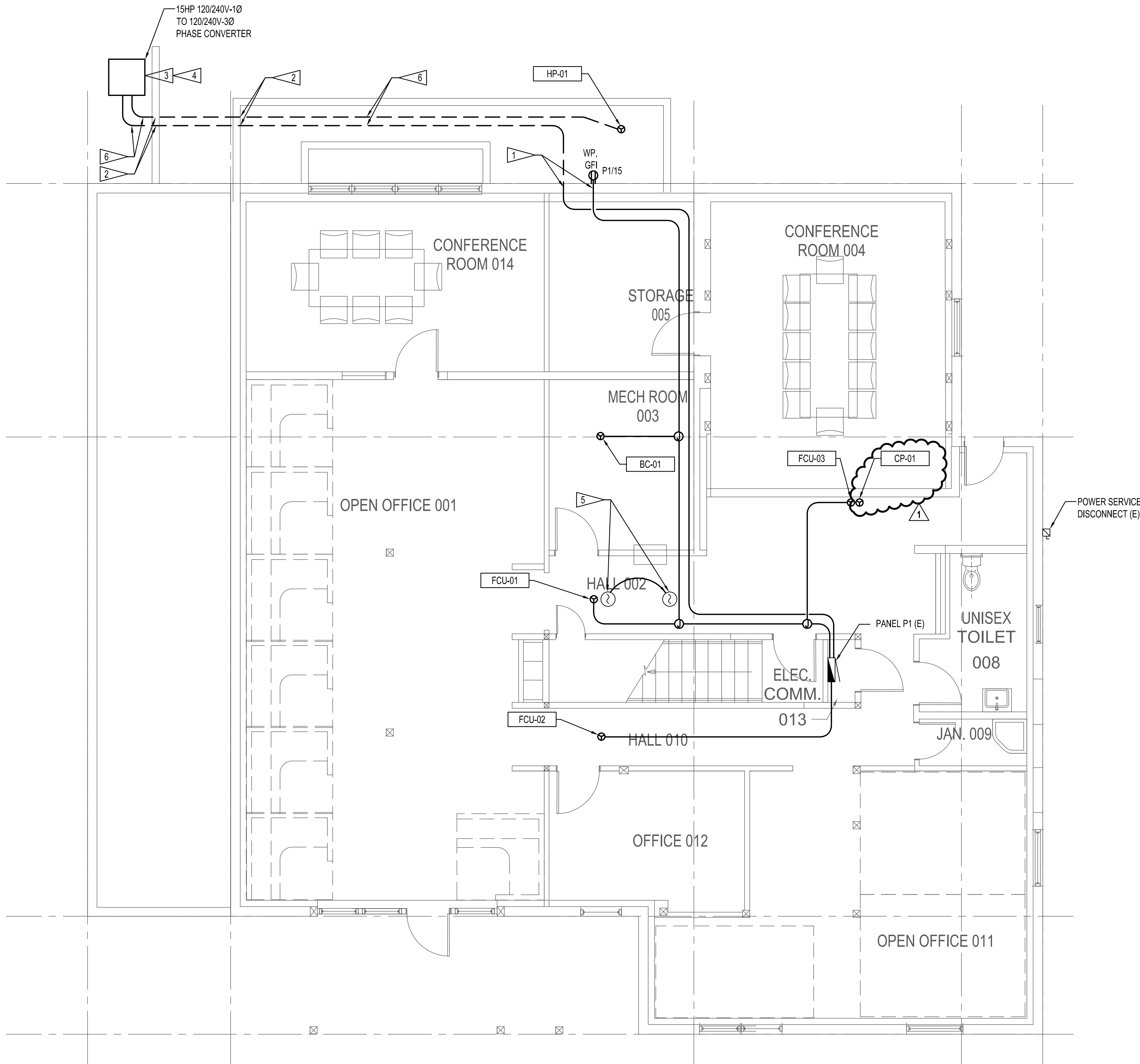
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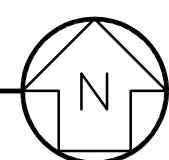


12/12/2023

Initials	Attendee	Organization	Email	Office Phone	Cell
Y.P	YURY PALATNIK	APCON TECH INC.	office@apcon-tech.com	425-765-7999	+1
KB	KAL BARN	K A Cured Lint	KA Cured Lint LLC	206-353-2727	←
TW	Trevor Wheeler	Phase 3 Electric	Kagcco@gmail.com		
KB	KOFI BOAH	BOAHUS RIDE	trevorw@phase3electric.com		425-327-1992
			office@boahus.com	206-371-7234	✓
SB	Sean Bolley	Wood Harbinger	sbolley@woodharbinger.com	425-628-6051	
ML	MIKE LEHNER	" "	MLEHNER@WOODHARBINGER.COM	425-628-6051	



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



- GENERAL NOTES**
- CIRCUITS SHALL UTILIZE SURFACE METAL RACEWAY TO FAN COIL UNITS AND BRANCH CONTROLLERS. FIELD VERIFY LOCATION OF BEAMS. PROVIDE ALL REQUIRED FITTINGS TO ROUTE AROUND BEAMS.
  - HEAT PUMP SHALL UTILIZE EMT FIELD PAINTED TO MATCH WALLS/CEILINGS. CORE DRILL EXISTING EXTERIOR WALL. EXTERIOR CONDUIT SHALL BE PVC SCHEDULE 40.

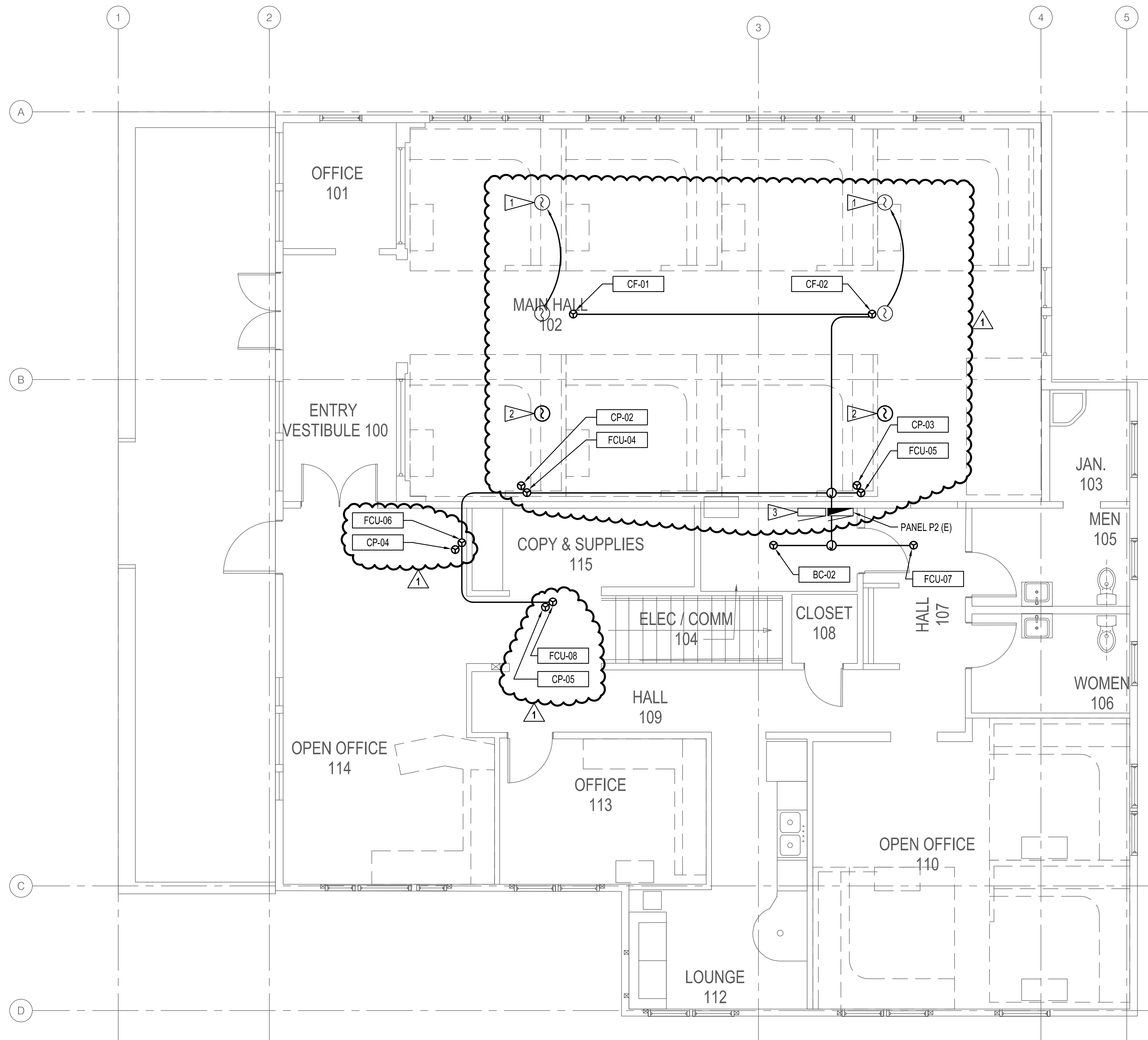
- SHEET NOTES**
- CORE DRILL EXISTING EXTERIOR WALL FOR CONDUIT PENETRATIONS. SEAL CONDUIT PENETRAION.
  - CORE DRILL UNDER EXISTING WALKWAY AND ROUTE CONDUITS UNDER WALKWAY.
  - PROVIDE 4" THICK CONCRETE HOUSE KEEPING PAD. PAD SHALL EXTEND 4" BEYOND EQUIPMENT FOOTPRINT. PROVIDE EXCAVATION SO PAD IS FLAT AND LEVEL.
  - PROVIDE UNISTRUT SUPPORT FOR DISCONNECT SWITCH.
  - RELOCATE EXISTING SMOKE DETECTOR TO ALLOW INSTALLATION OF MECHANICAL UNIT. CENTER DETECTOR BETWEEN LUMINAIRE AND SOFFIT. CUT AND PATCH/PAINT EXISTING CEILING. PROVIDE CONCEALED CONDUIT AND FIRE ALARM WIRING TO MATCH EXISTING. CONTRACTOR SHALL SUBMIT, PAY AND OBTAIN FIRE ALARM PERMIT.
  - CONDUIT SHALL BE MINIMUM OF 18" BELOW GRADE. PROVIDE REQUIRED TRENCHING AND BACKFILL.



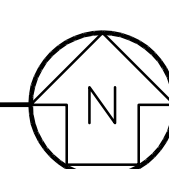
BID DRAWING SET

REVISION	DATE
ADDENDUM 1	12/20/2023
929 108th Ave NE Suite 1000 Bellevue WA 98004 425.628.6000 woodharbinger.com	
<b>Wood Harbinger</b>	
CITY HALL ANNEX BUILDING VRF HVAC INSTALLATION CITY OF KIRKLAND 310 First Street, Kirkland, WA 98033	
ELECTRICAL GROUND FLOOR PLAN	
SHEET TITLE	
DATE	12/06/2023
SCALE	AS-NOTED
ENGR	SMB
DRWN	CL
CHKD	-
APPR	-
JOB	23018
E3.1	
SHEET	- OF 5





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



GENERAL NOTES  
1. SURFACE MOUNTED CIRCUITS SHALL UTILIZE SURFACE METAL RACEWAY. FIELD VERIFY LOCATION OF BEAMS. PROVIDE ALL REQUIRED FITTINGS TO ROUTE AROUND BEAMS. EMT CONDUITS CAN BE ROUTED IN ATTIC SPACE.

- SHEET NOTES
1. RELOCATE EXISTING SMOKE DETECTOR TO ALLOW INSTALLATION OF CEILING FAN. PROVIDE CONCEALED CONDUIT AND FIRE ALARM WIRING TO MATCH EXISTING IN ATTIC.
  2. PROVIDE SMOKE DETECTOR. PROVIDE CONCEALED CONDUIT AND FIRE ALARM WIRING TO MATCH EXISTING IN ATTIC. SMOKE DETECTORS SHALL MATCH EXISTING SMOKE DETECTORS.
  3. EXISTING FIRE-LITE MS-9050UD FIRE ALARM CONTROL PANEL. PROVIDE ALL REQUIRED MODIFICATIONS, MODULES, AND PROGRAMMING FOR ADDITIONAL SMOKE DETECTORS. CONTRACTOR SHALL SUBMIT, PAY AND OBTAIN FIRE ALARM PERMIT.



BID DRAWING SET

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Suite 1000  
Bellevue WA 98004  
425.628.6000  
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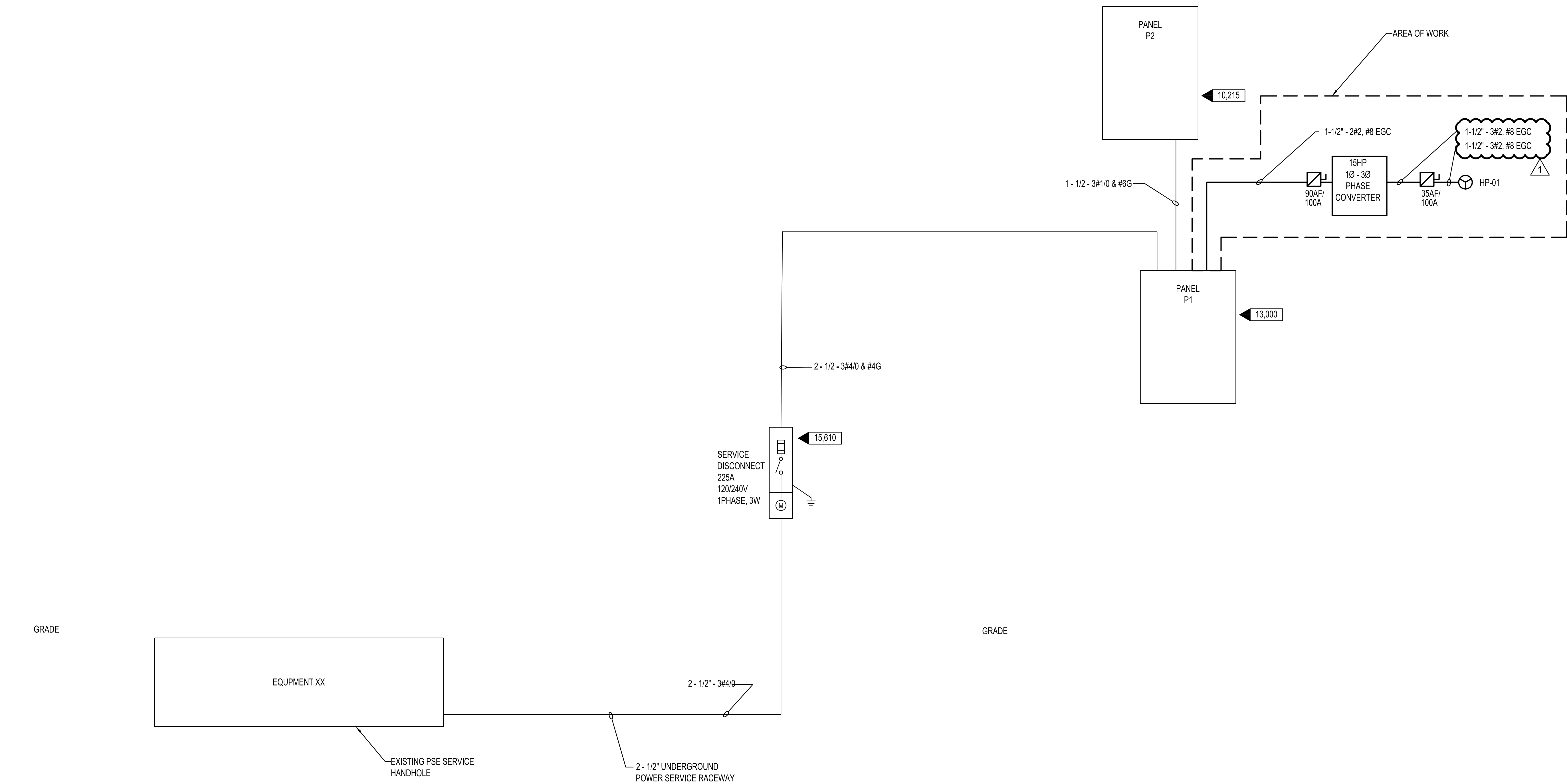
**Wood Harbinger**

CITY HALL ANNEX BUILDING VRF HVAC INSTALLATION  
CITY OF KIRKLAND  
310 First Street, Kirkland, WA 98033

SHEET TITLE  
**ELECTRICAL  
FIRST FLOOR PLAN**

DATE	12/06/2023
SCALE	AS-NOTED
ENGR	SMB
DRWN	CL
CHKD	-
APPR	-
JOB	23018

**E3.2**  
SHEET - OF 5



GENERAL NOTES  
1. ALL ELECTRICAL ITEMS ON THIS SHEET ARE EXISTING AND SHOWN FOR REFERENCE ONLY.

ELECTRICAL ONE-LINE DIAGRAM  
SCALE: NONE

1

REVISION	DATE
ADDENDUM 1	12/20/2023
929 108th Ave NE Suite 1000 Bellevue WA 98004 425.628.6000 woodharbinger.com	
CITY HALL ANNEX BUILDING VRF HVAC INSTALLATION CITY OF KIRKLAND 310 First Street, Kirkland, WA 98033	
ELECTRICAL ONE-LINE DIAGRAM	
SHEET TITLE	
DATE	12/06/2023
SCALE	NONE
ENGR	SMB
DRWN	CL
CHKD	-
APPR	
JOB	23018
E5.1	
SHEET	- OF 5



PANEL NAME: P1 (EXIST)				PANEL SCHEDULE				MFR: EATON					
LOCATION: 13				SECTION: 1				CAT # PRL1A					
FED FROM: UTILITY				1 PHASE, 3 WIRE SURFACE MOUNT PNL									
22 KAIC SYM				225 AMP		MAIN CB		225 AMP BUS		CU BUS		100% NEUTRAL	
CKT. NO.	CIRCUIT DESCRIPTION	CB		P	H	KVA	CB		CIRCUIT DESCRIPTION	CKT. NO.			
		AMPS	POL				AMPS	POL					
1	LTG: RM 01, 03, 08, 09, 11, 12	20	1	0.60	a	0.10	20	1	EF-01, EF-02, EF-03, EF-04, EF-05, EF-06	2			
3	LTG: RM 02, 04, 06, 07, 010, 012, 014	20	1	0.70	b	0.10	20	1	BOILER B-1	4			
5	LTG: EXIT SIGNS	20	1	0.10	a	0.00	20	1	DOMESTIC HOT WATER PUMP	6			
7	REC: RM 004 - PROJECTOR	20	1	0.20	b	0.10	20	1	FIRE DAMPERS	8			
9	REC: RM 014 - PROJECTOR	20	1	0.20	a	0.20	20	1	REC: RM 001 - COPIER	10			
11	FCU-1 THRU FCU-3, BC-01	(NOTE 1)	20	2	0.30	b	0.80	20	1	REC: RM 004, 014 - COMPUTER	12		
13	-	-	-	0.30	a	1.00	20	1	REC: RM 011 - COMPUTER	14			
15	REC - EXTERIOR	(NOTE 2)	20	1	0.18	b	0.80	20	1	REC: RM 001, 011, 012 - COMPUTER	16		
17	SPARE	-	20	2	0.00	a	1.00	20	1	REC: RM 001 - COMPUTER	18		
19	SPARE	-	20	1	0.00	b	0.72	20	1	REC: RM 011, 012	20		
21	CP-01	(NOTE 2)	20	1	0.10	a	0.90	20	1	REC: RM 001, 010, 012	22		
23	SPARE	-	20	1	0.40	b	0.90	20	1	REC: RM 002, 003, 005	24		
25	SPARE	-	20	1	0.00	a	0.90	20	1	REC: RM 06, 07, 08, 09, 013	26		
27	SPARE	-	20	1	0.00	b	0.90	20	1	REC: RM 004	28		
29	SPARE	-	20	1	0.00	a	0.90	20	1	REC: RM 005, 014	30		
31	SPARE	-	20	1	0.00	b	0.90	20	1	REC: RM 001, 014	32		
33	SPARE	-	20	1	0.00	a	0.90	20	1	REC: RM 001	34		
35	SPARE	-	20	1	0.00	b	0.04	20	1	BOILER CONTROL PANEL AND PUMPS	36		
37	SPARE	-	20	1	0.00	a	0.00	20	1	SPARE	38		
39	HP-01	(NOTE 1)	90	2	5.40	b	0.00	20	1	SPARE	40		
41	-	-	-	-	-	0.00	20	1	SPARE	42			
LOAD SUM		CONN LOAD		FACTOR		CALC LOAD		NOTES					
LIGHTING		4.96 KVA		125%		6.20 KVA		1. REMOVE EXISTING SPARE CIRCUIT BREAKERS AND PROVIDE NEW					
RECEPTACLES		20.16 KVA		50%*10KVA		15.08 KVA		CIRCUIT BREAKER					
ALL MOTORS		0.00 KVA		100%		0.00 KVA		2. NEW LOAD ON EXISTING CIRCUIT BREAKER.					
LRGST MOTOR		0.67 KVA		125%		0.83 KVA							
KITCHEN		0.00 KVA		100%		0.00 KVA							
MISCELLANEOUS		31.84 KVA		100%		31.84 KVA							
NON-COINCIDENT		0.00 KVA		0%		0.00 KVA							
TOTAL		57.63 KVA				53.95 KVA							
		240.1 AMPS				224.8 Amps							

PANEL NAME: P2 (EXIST)				PANEL SCHEDULE				MFR: EATON			
LOCATION: 13				SECTION: 1				CAT # PRL1A			
FED FROM: UTILITY				1 PHASE, 3 WIRE SURFACE MOUNT PNL							
22 KAC SYM				225 AMP BUS				100% NEUTRAL			
				CU BUS							
CKT. NO.	CIRCUIT DESCRIPTION	CB AMPS	POL	KVA	P	KVA	CB AMPS	POL	CIRCUIT DESCRIPTION	CKT. No.	
1	LTG: BUILDING EXTERIOR	20	1	0.40	a	0.00	20	1	EF-07 - EF-13	2	
3	LTG: SITE EXTERIOR	20	1	0.40	b	0.50	20	1	REC: RM KITCHEN - INSTANT HOT	4	
5	LTG: RM 102, 103, 104, 105, 106	20	1	0.40	a	1.17	20	1	REC: RM KITCHEN - DISPOSER	6	
7	LTG: RM 101, 102, 115	20	1	0.30	b	0.70	20	1	REC: RM KITCHEN - REFRIGERATOR	8	
9	LTG: EXIT SIGNS	20	1	0.10	a	0.18	20	1	REC: RM KITCHEN - GFI	10	
11	LTG: 107 - 113	20	1	0.00	b	0.18	20	1	REC: RM KITCHEN - GFI	12	
13	REC: RM 104 - FACP	20	1	0.30	a	0.40	20	1	REC: RM 104 - DATA / COMM.	14	
15	REC: RM 001, 101	20	1	0.36	b	0.40	20	1	REC: RM 104 - DATA / COMM.	16	
17	REC: RM ATTIC - A/C	20	1	0.00	a	0.20	20	1	REC: RM 104 - SECURITY PANEL	18	
19	-	20	1	0.00	b	0.20	20	1	REC: RM 115 - COPIER	20	
21	REC: RM ATTIC - L++	20	1	0.18	a	0.80	20	1	REC: RM 110, 113 - COMPUTER	22	
23	FCU-04 THRU FCU-08, BC-02	(NOTE 1)	20	2	0.35	b	0.80	20	1	REC: RM 102, 113, 114 - COMPUTER	24
25	-	-	-	0.35	a	1.00	20	1	REC: RM 102 - COMPUTER	26	
27	CF-01, CF-02	(NOTE 1)	15	2	0.10	b	0.80	20	1	REC: RM 102 - COMPUTER	28
29	SPARE	-	20	1	0.40	a	0.90	20	1	REC: RM 102 - COMPUTER	30
31	CP-02, CP-03, CP-04, CP-05	(NOTE 2)	20	1	0.40	b	0.90	20	1	REC: RM 103, 104, 105, 106, 107	32
33	SPARE	-	20	1	0.40	a	1.08	20	1	REC: RM 019, 112, 113	34
35	SPARE	-	20	1	0.00	b	0.90	20	1	REC: RM 102, 114	36
37	SPARE	-	20	1	0.00	a	0.36	20	1	REC: RM 115	38
39	SPARE	-	20	1	0.00	b	0.90	20	1	REC: RM 102	40
41	SPARE	-	20	1	0.00	a	0.72	20	1	REC: RM 102	42
LOAD SUM		CONN LOAD		FACTOR		CALC LOAD		NOTES			
LIGHTING		1.78 KVA		125%		2.23 KVA		1 REMOVE EXISTING SPARE CIRCUIT BREAKERS AND PROVIDE NEW			
RECEPTACLES		6.48 KVA		50%*10KVA		6.48 KVA		CIRCUIT BREAKER			
ALL MOTORS		0.00 KVA		100%		0.00 KVA		2 NEW LOAD ON EXISTING CIRCUIT BREAKER			
LRGST MOTOR		0.00 KVA		125%		0.00 KVA					
KITCHEN		0.00 KVA		100%		0.00 KVA					
MISCELLANEOUS		7.90 KVA		100%		7.90 KVA					
NON-COINCIDENT		0.00 KVA		0%		0.00 KVA					
TOTAL		16.16 KVA				16.61 KVA					
		67.3 AMPS				69.2 Amps					

MOTOR AND EQUIPMENT WIRING SCHEDULE											
PLAN MARK	DESCRIPTION	KW/HP	VOLTS	PH	PANEL	WIRE & CONDUIT	DISCONNECT		STARTER		REMARKS
							SIZE	FUSE	NEMA	COMB/N	
							AMPS	AMPS	SIZE	YES	NO
CP-01	CONDENSATE PUMP	0.1 KVA	120	1	P2	2#12, 1#12 EGC	20				RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
CP-02	CONDENSATE PUMP	0.1 KVA	120	1	P2	2#12, 1#12 EGC	20				RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
CP-03	CONDENSATE PUMP	0.1 KVA	120	1	P2	2#12, 1#12 EGC	20				RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
CP-04	CONDENSATE PUMP	0.1 KVA	120	1	P2	2#12, 1#12 EGC	20				RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
CP-05	CONDENSATE PUMP	0.1 KVA	120	1	P2	2#12, 1#12 EGC	20				RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
CF-01	CEILING FAN	0.1 KVA	240	1	P2	2#12, 1#12 EGC	30				RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
CF-02	CEILING FAN	0.1 KVA	240	1	P2	2#12, 1#12 EGC	30				RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-01	AIR CONDITIONING UNIT	0.2 KVA	240	1	P1	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-02	AIR CONDITIONING UNIT	0.2 KVA	240	1	P1	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-03	AIR CONDITIONING UNIT	0.1 KVA	240	1	P1	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-04	AIR CONDITIONING UNIT	0.1 KVA	240	1	P2	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-05	AIR CONDITIONING UNIT	0.1 KVA	240	1	P2	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-06	AIR CONDITIONING UNIT	0.1 KVA	240	1	P2	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-07	AIR CONDITIONING UNIT	0.2 KVA	240	1	P2	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
FCU-08	AIR CONDITIONING UNIT	0.1 KVA	240	1	P2	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
BC-01	BRANCH CIRCUIT CONTROLLER	0.1 KVA	240	1	P1	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
BC-02	BRANCH CIRCUIT CONTROLLER	0.1 KVA	240	1	P2	2#12, 1#12 EGC	30	15			RACEWAY SHALL BE WHITE SURFACE METAL RACEWAY
HP-01	AIR COOLED CONDENSING UNITS	10.8 KVA	208	3	P1		100	35			NEMA 3R FUSED DISCONNECT SWITCH. SEE SHEET E5.1

REVISION

DATE

ADDENDUM 1

12/20/2023

929 108th Ave NE  
Suite 1000  
Bellevue WA 98004  
425.628.6000  
woodharbinger.com

Wood Harbinger

STEVEN M. BOLLER  
STATE OF WASHINGTON  
DAN E. BOLLER  
35726  
REGISTERED  
PROFESSIONAL ENGINEER  
ELECTRICAL

CITY HALL ANNEX BUILDING VRF HVAC INSTALLATION  
CITY OF KIRKLAND  
310 First Street, Kirkland, WA 98033  
ELECTRICAL SCHEDULES

SHEET TITLE

DATE

12/06/2023

SCALE

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