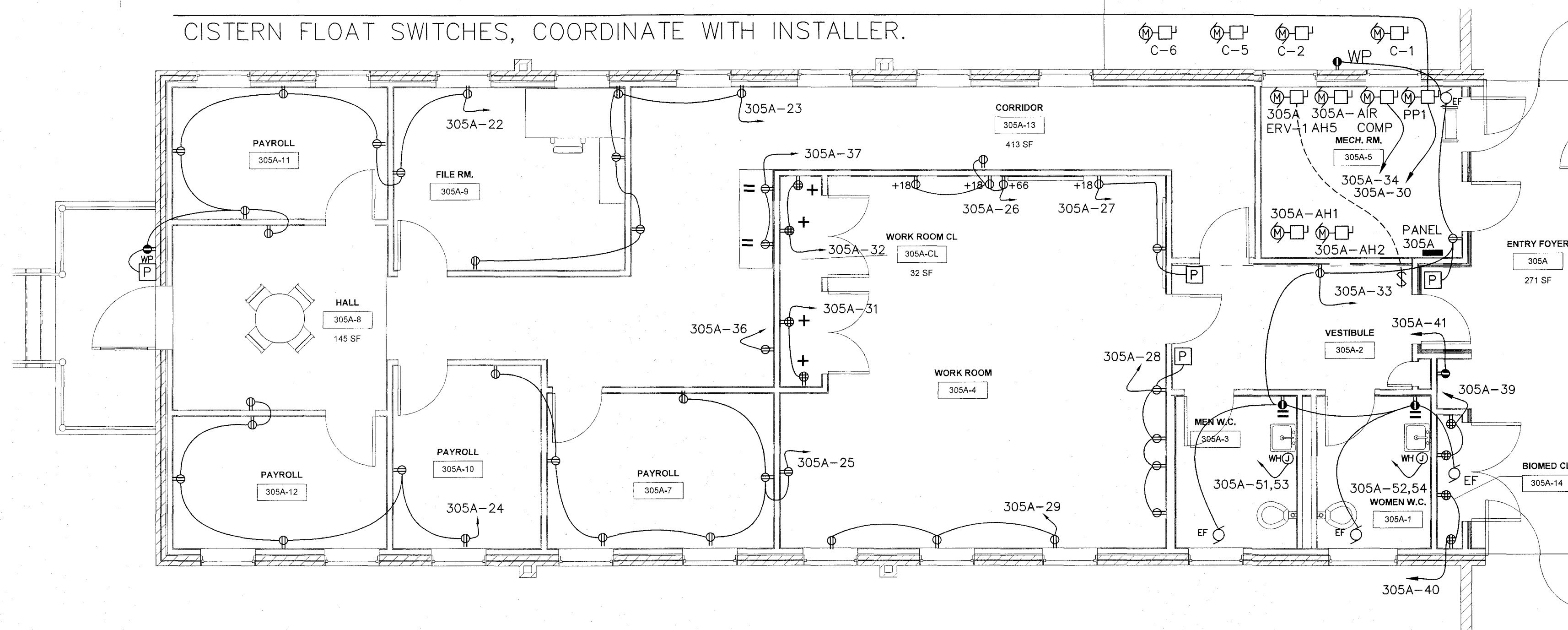


CISTERN FLOAT SWITCHES, COORDINATE WITH INSTALLER.

POWER SYMBOL LIST	
SYMBOL	DESCRIPTION
•	DUPLEX RECEPTACLE
•	GFCI RECEPTACLE. WP DENOTES WEATHERPROOF COVER. COORDINATE MOUNTING HEIGHT AT COUNTERS AND CASEWORK
•	QUAD RECEPTACLE
+	DEVICE MOUNTING HEIGHT +36" AFF
=	DEVICE MOUNTING HEIGHT ABOVE COUNTER/SINK, FIELD COORDINATE
⊙	JUNCTION BOX EQUIPMENT CONNECTION
⊙	RECESSED FLOOR BOX POWER CONNECTION. PROVIDE RECEPTACLE TO MATCH LECTRIVER POWER CORD CONNECTOR.
⊙	JUNCTION BOX WITH NFSS DISCONNECT FOR EQUIPMENT CONNECTION.
⊙	NFSS DISCONNECT SWITCH AND MOTOR CONNECTION.
⊙	MOTOR CONNECTION (EXHAUST FAN, DISPOSER, ETC.)
⊙	RECESSED FLOOR OUTLET. DUAL COMPARTMENT BOX WITH SECTION FOR DATA OUTLETS AND SEPARATE COMPARTMENT FOR POWER OUTLET.
P	AT DOOR LOCATIONS WITH ACCESS CONTROL DEVICES (REFER TO SHEET ET-1) PROVIDE POWER CONNECTIONS TO MATCH DOOR HARDWARE REQUIREMENTS. COORDINATE WITH HARDWARE INSTALLER.

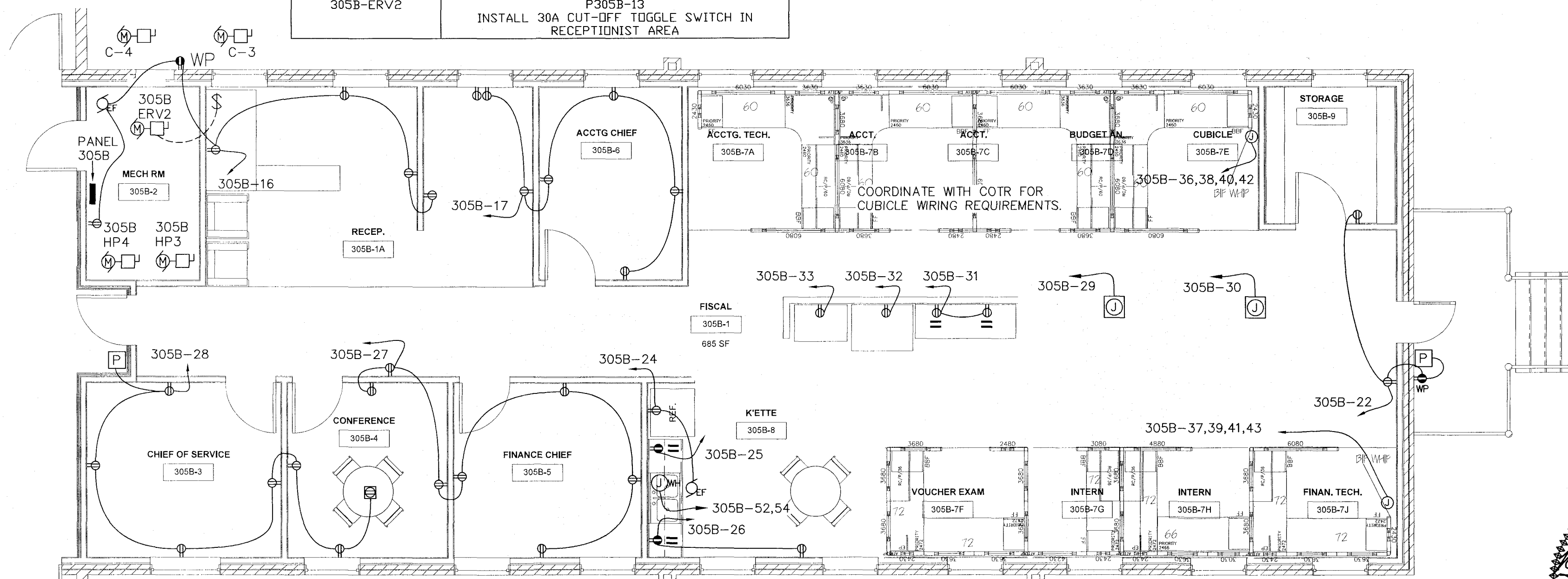


WEST SIDE (305A)
1 POWER PLAN
EP-1 3/16" = 1'-0"

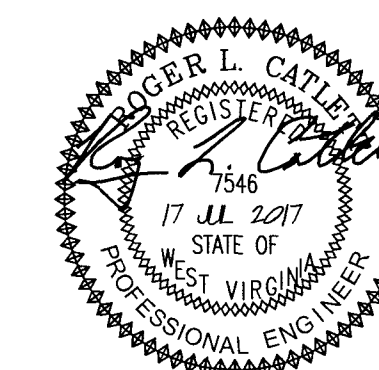
ELECTRICAL GENERAL DEMOLITION NOTES:

- THE CONTRACTOR SHALL REMOVE ALL ELECTRICAL ROMEX AND IN-CONDUIT WIRING, DEVICES, RACEWAYS, SUPPORTS, AND RELATED COMPONENTS IN THE AREA SHOWN FOR DEMOLITION. ALL CIRCUITS SHALL BE TRACED AND REMOVED FROM SOURCES OF POWER PRIOR TO REMOVAL. REFER TO ARCHITECTURAL PLANS FOR DEMOLITION.
- THE ELECTRICAL SYSTEM CONSISTS OF LIGHTING AND POWER BRANCH CIRCUITS FED FROM PANELS LOCATED NEAR THE AREA TO BE DEMOLISHED.
- REMOVE EACH ITEM OR DEVICE AS REQUIRED FOR DEMOLITION. REMOVE ALL ASSOCIATED CIRCUITRY, INCLUDING ALL CONDUIT, WIRING, BOXES, DEVICES, COVER PLATES, LUMINAIRES, ETC.
- WHERE CONDUIT OR WIRING ASSOCIATED WITH THE ITEM IS IN AN INACCESSIBLE AREA, ABANDON IN PLACE AND CUT, CAP OR SEAL. WHERE INACCESSIBLE WIRING OR CONDUIT END OR TERMINATE IN A FINISHED SPACE, REMOVE TO BENEATH THE FINISHED SURFACE OF THE SPACE AND FILL THE VOID WITH NON-SHRINKING GROUT, THEN FINISH THE SURFACE TO MATCH THE SURROUNDING SPACE.
- THE CONTRACTOR SHALL ALSO REMOVE ALL COMMUNICATION WIRING, DEVICES, AND EQUIPMENT LOCATED IN SPACES SCHEDULED FOR DEMOLITION. CONFIRM REMOVAL WITH COTR PRIOR TO REMOVAL.
- REMOVE THE ELECTRICAL PANEL IN HALLWAY (COMMON TO 305A & B) AND REINSTALL CIRCUITS TO EACH RESPECTIVE WING A OR B PANELS AS SHOWN ON DRAWINGS IN ROOMS 305A-5 AND 305B-2.

MECHANICAL UNIT CIRCUITS	
UNIT DESIGNATION	PANEL CIRCUIT
305A-HP1	P305A-1,3,5
C-1	P305A-2,4,6
305A-HP2	P305A-7,9,11
C-2	P305A-8,10,12
305B-HP3	P305B-1,3,5
C-3	P305B-2,4,6
305B-HP4	P305B-7,9,11
C-4	P305B-8,10,12
305A-HP5	P305A-13,15,17
C-5	P305A-14,16,18
C-6	P305A-43,45
305A-ERV1	P305A-19 INSTALL 30A CUT-OFF TOGGLE SWITCH IN LOBBY AREA
305B-ERV2	P305B-13 INSTALL 30A CUT-OFF TOGGLE SWITCH IN RECEPTIONIST AREA



EAST SIDE (305B)
2 POWER PLAN
EP-1 3/16" = 1'-0"



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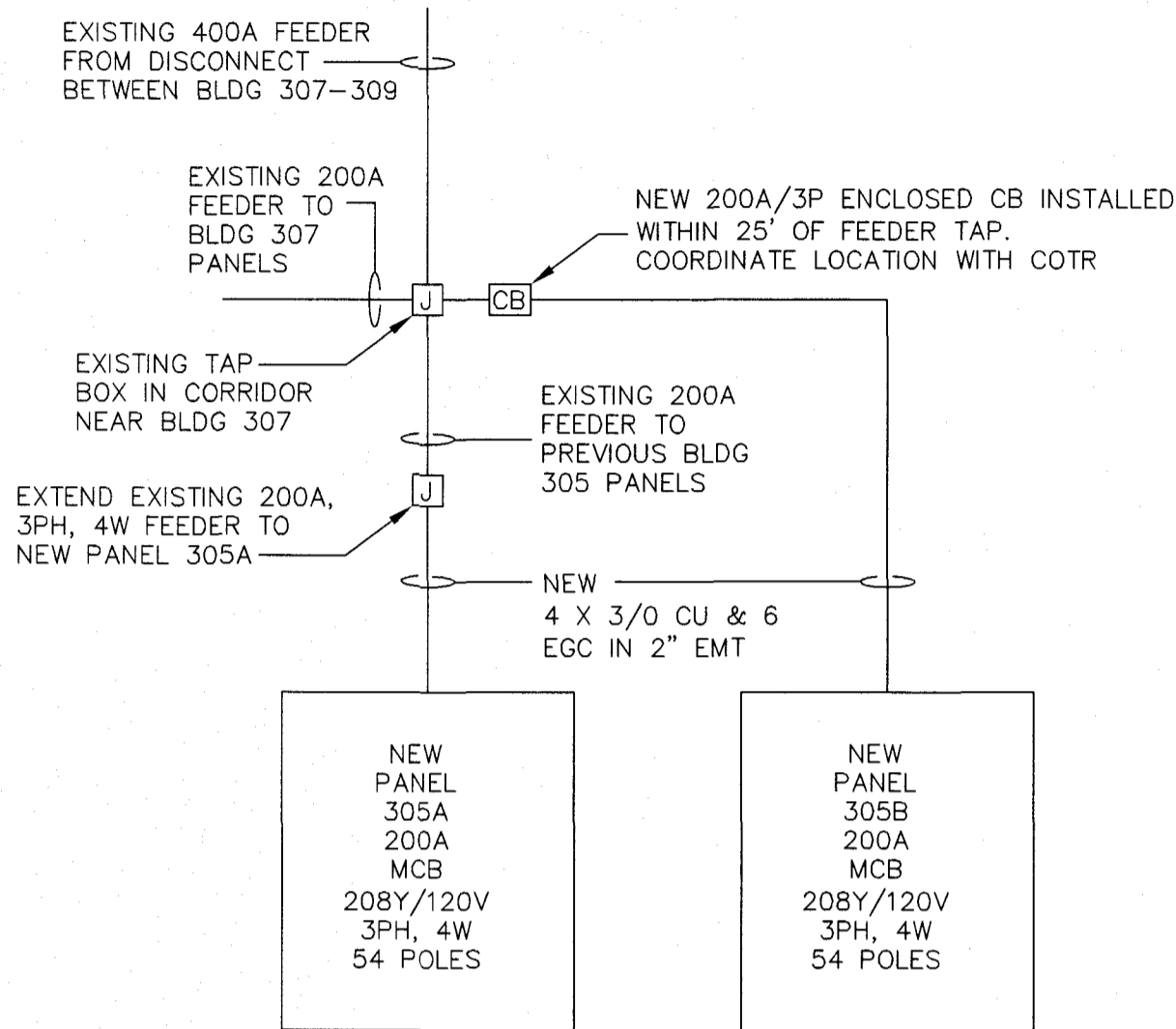
Revisions: _____ Date _____ CONSULTANTS: CDi Comfort Design Mechanical & Electrical Engineers 620 Pennsylvania Ave Winchester, VA 22601 Phone 540-665-2846 Fax 540-667-3284	ARCHITECT/ENGINEERS: GROVE & DALL'OLIO ARCHITECTS P.A. <small>154 Migration Lane • Leesport, West Virginia • 26039</small>	Drawing Title POWER PLAN	Project Title Building 305 A/B Renovations Martinsburg VAMC	Project Number 613-15-128 Building Number 305 A/B Drawing Number EP-1 Dwg. 2 of	Office of Construction and Facilities Management Department of Veterans Affairs
		Approved: Project Director	Location Martinsburg, WV Date NOV 15, 2017 Checked LMD Drawn MFH	Location Martinsburg, WV Date NOV 15, 2017 Checked LMD Drawn MFH	

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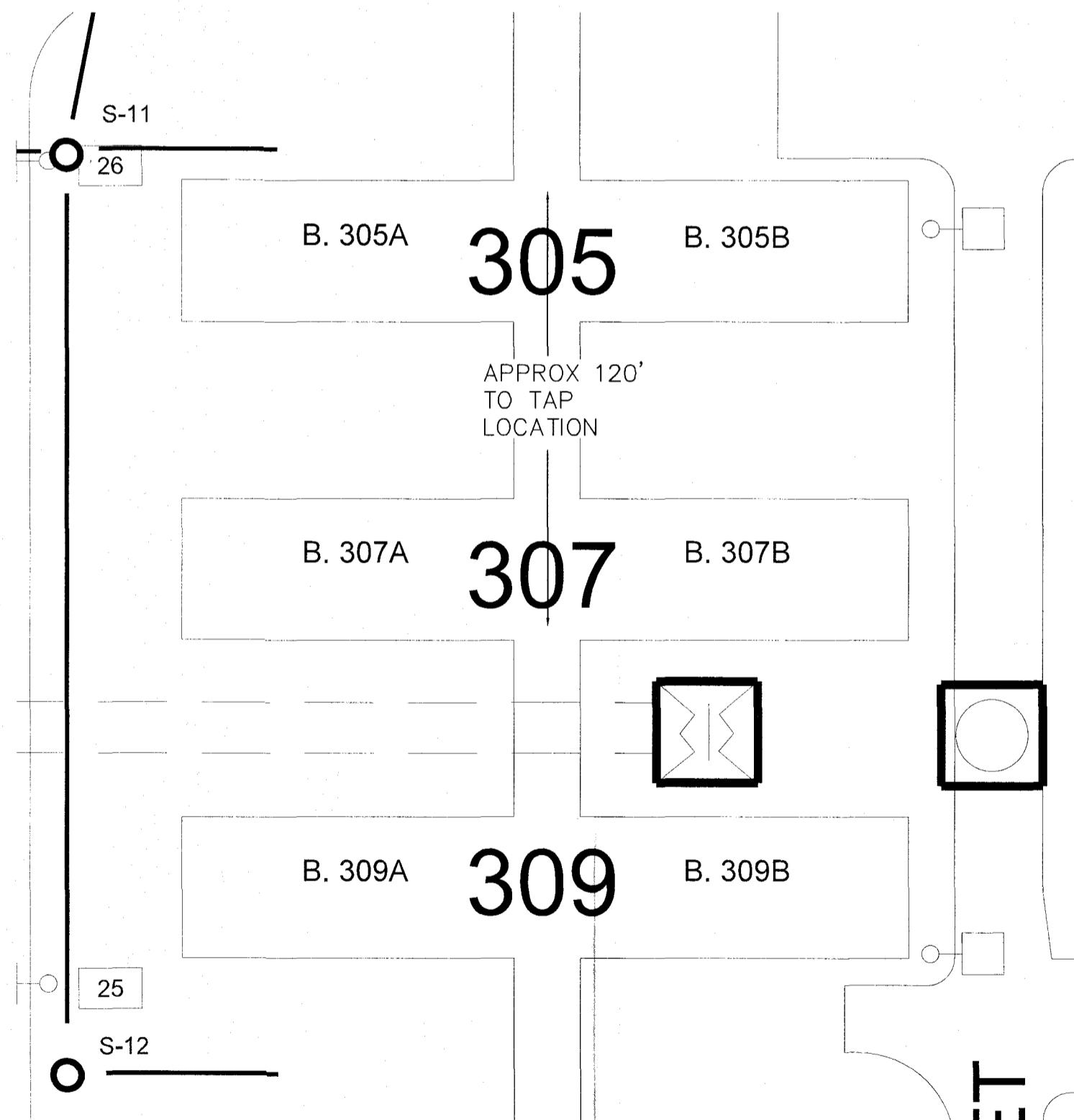
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Michael F. Howell, P.E.

COMFORT DESIGN INC.



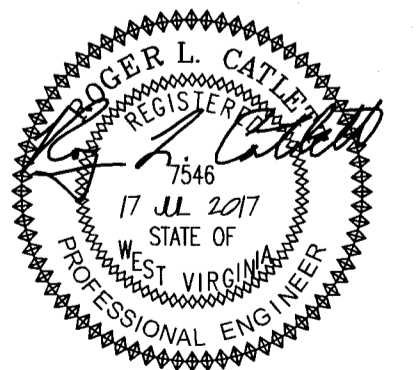
ONE LINE
DIAGRAM
1
EP-2/N.T.S.



SITE
LAYOUT
2
EP-2 1/32" = 1 FT

305A														200 MAIN CB PANELBOARD				AIR: 10KA	
CH	DESCRIPTION	CB	POLE	PH	NEU	EGC	COND	VA	PH	VA	COND	EGC	NEU	PH	POLE	CB	DESCRIPTION	CH	
1	305A-HP1	20	2	12		12	MC	960	A	3360	MC	10		8	2	50	C-1	2	
3	"			12				960	B	3360				8			"	4	
5	PROVISION								C								PROVISION	6	
7	305A-HP2	25	2	10		10	MC	1200	A	4320	MC	10		6	2	60	C-2	8	
9	"			10				1200	B	4320				6			"	10	
11	PROVISION								C								PROVISION	12	
13	305A-HP5	15	2	14		14	MC	480	A	1440	MC	10		10	2	25	C-5	14	
15	"			14				480	B	1440				10			"	16	
17	PROVISION								C								PROVISION	18	
19	ERV-1	30	1	10	10	10	MC	1920	A	702	MC	12	12	12	1	20	WEST LTS	20	
21	CORRIDOR LTS	20	1	12	12	12	MC	884	B	1080	MC	12	12	12	1	20	N PAYROLL REC	22	
23	FILE-CORR REC	20	1	12	12	12	MC	900	C	1080	MC	12	12	12	1	20	S PAYROLL REC	24	
25	MID PAYROLL R	20	1	12	12	12	MC	1260	A	360	MC	12	12	12	1	20	WORKROOM A	26	
27	WORKROOM B	20	1	12	12	12	MC	360	B	720	MC	12	12	12	1	20	WORKROOM C	28	
29	WORKROOM D	20	1	12	12	12	MC	720	A	1200	MC	12	12	12	1	20	CISTERN PMP	30	
31	CLOSET A	20	1	12	12	12	MC	720	A	720	MC	12	12	12	1	20	CLOSET B	32	
33	BATH REC	20	1	12	12	12	MC	540	B	1620	MC	12	12	12	1	20	SPKLR AIR COMP	34	
35	SPARE	20	1						C	1500	MC	12	12	12	1	20	COPIER	36	
37	WORK CTR	20	1	12	12	12	MC	360	A	288	MC	12	12	12	1	20	CRAWL SPACE L	38	
39	BIOMED A	20	1	12	12	12	MC	720	B	720	MC	12	12	12	1	20	BIOMED B	40	
41	WATER COOLER	20	1	12	12	12	MC	1080	C							SPARE	42		
43	C-6	15	2	14		14	MC	840	A							PROVISION	44		
45	"			14				840	B							PROVISION	46		
47	PROVISION								C							PROVISION	48		
49	PROVISION								A							PROVISION	50		
51	MEN WH	30	2	10		10	MC	2050	B	2050	MC	10		10	2	30	WOMEN WH	52	
53	"			10				2050	C	2050							"	54	
EXTEND FEEDER FROM EXISTING PANEL BEING REMOVED.										CONNECTED VA	18,930	A	158	WIRES BASED ON 75° C RATED CU WITH 75° C RATED TERMINALS					
										CONNECTED VA	23,324	B	194						
										CONNECTED VA	10,580	C	88						
										TOTAL CONNECTED VA	52,834		147	AVERAGE CONNECTED AMPS					
										DEMAND VA	57,988		161	NEC DEMAND AMPS					

305B														200 MAIN CB PANELBOARD				AIR: 10KA	
CH	DESCRIPTION	CB	POLE	PH	NEU	EGC	COND	VA	PH	VA	COND	EGC	NEU	PH	POLE	CB	DESCRIPTION	CH	
1	305B-HP3	20	2	12		12	MC	960	A	3360	MC	10		8	2	50	C-3	2	
3	"			12				960	B	3360				8			"	4	
5	PROVISION								C								PROVISION	6	
7	305B-HP4	25	2	10		10	MC	1200	A	4320	MC	10		6	2	60	C-4	8	
9	"			10				1200	B	4320				6			"	10	
11	SPARE	20	1						C								SPARE	12	
13	305B-ERV-2	30	1	10	10	10	MC	1920	A	594	MC	12	12	12	1	20	OFFICE LTSL	14	
15	OPEN LTS	20	1	12	12	12	MC	884	B	720	MC	12	12	12	1	20	RECEPTION REC	16	
17	CHIEF REC	20	1	12	12	12	MC	720	C							SPARE	18		
19	SPARE	20	1						A							SPARE	20		
21	SPARE	20	1						B	360	MC	12	12	12	1	20	EAST REC	22	
23	SPARE	20	1						C	1080	MC	12	12	12	1	20	REF RECPT	24	
25	COFFEE	20	1	12	12	12	MC	1500	A	1200	MC	12	12	12	1	20	MICRO	26	
27	FINANCE REC	20	1	12	12	12	MC	1260	B	1080	MC	12	12	12	1	20	CH SERVICE REC	28	
29	LEKTRIVER A	20	1	12	12	12	MC	1920	C	1920	MC	12	12	12	1	20	LEKTRIVER B	30	
31	COUNTER REC	20	1	12	12	12	MC	360	A	1200	MC	12	12	12	1	20	EQUIP A	32	
33	EQUIP B	20	1	12	12	12	MC	1200	B	600	MC	12	12	12	1	20	EXIST ATTIC LTS	34	
35	CRAWL SPACE L	20	1	12	12	12	MC	288	C	360	MC	12	12	12	3	20	SYS FURN A1	36	
37	SYS FURN B1	20	3	12	12	12	MC	360	A	360						SYS FURN A2	38		
39	SYS FURN B2			12				360	B	360						SYS FURN A3	40		
41	SYS FURN B3			12				360	C	360	MC	12	12	12	1	20	SYS FURN A4	42	
43	SYS FURN B4	20	1	12	12	12	MC	360	A							PROVISION	44		
45	PROVISION								B							PROVISION	46		
47	PROVISION								C							PROVISION	48		
49	PROVISION								A							PROVISION	50		
51	PROVISION								B	4050	MC	10		8	2	50	BREAK WH	52	
53	PROVISION								C	4050				8			"	54	
EXTEND FEEDER FROM PANEL BEING REMOVED										CONNECTED VA	17,694	A	147	WIRES BASED ON 75° C RATED CU WITH 75° C RATED TERMINALS					
										CONNECTED VA	20,694	B	172						
										CONNECTED VA	11,058	C	92						
										TOTAL CONNECTED VA	49,446		137	AVERAGE CONNECTED AMPS					
										DEMAND VA	53,518		149	NEC DEMAND AMPS					



FOR CONSTRUCTION

Revisions: _____ Date _____	CONSULTANTS: CDi Comfort Design Mechanical & Electrical Engineers 620 Pennsylvania Ave Winchester, VA 22601 Phone 540-665-2846 Fax 540-667-3284	ARCHITECT/ENGINEERS: GROVE & DALL'OLIO ARCHITECTS P.C. <small>1234 Main St • Charlottesville, VA 22902</small>	Drawing Title ELECTRICAL DETAILS	Project Title Building 305 A/B Renovations Martinsburg VAMC	Project Number 613-15-128 Building Number 305 A/B Drawing Number EP-2 Dwg. 2 of 2	Office of Construction and Facilities Management Department of Veterans Affairs
			Approved: Project Director	Location Martinsburg, WV Date NOV 15, 2017	Checked LMD Drawn MFH	